Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 5099765

Table Of Contents

Pace Analytical Services, Inc.
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1233 Dublin Road
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

July 17, 2014

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

RE: Project: Sibley-Accucast
Pace Project No.: 5099765

Dear Mr. Stanford:
Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 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

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CERTIFICATIONS

Project: Sibley-Accucast
Pace Project No.: 5099765

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

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5099765001	**P-10 (2-4)**	Solid	06/23/14 15:35	06/24/14 12:10
5099765002	**P-10 (12-14)**	Solid	06/23/14 15:50	06/24/14 12:10
5099765003	**TMW-10 (3-5)**	Solid	06/23/14 14:45	06/24/14 12:10
5099765004	**TMW-10 (10-12)**	Solid	06/23/14 14:55	06/24/14 12:10
5099765005	**TMW-2 (3-5)**	Solid	06/23/14 13:15	06/24/14 12:10
5099765006	**TMW-2 (13-15)**	Solid	06/23/14 13:30	06/24/14 12:10
5099765007	**P-1 (1-3)**	Solid	06/23/14 12:35	06/24/14 12:10
5099765008	**P-1 (18-20)**	Solid	06/23/14 12:50	06/24/14 12:10
5099765009	**TMW-1 (1-3)**	Solid	06/23/14 11:45	06/24/14 12:10
5099765010	**TMW-1 (11-13)**	Solid	06/23/14 12:00	06/24/14 12:10
5099765011	**TMW-8 (1-3)**	Solid	06/23/14 10:40	06/24/14 12:10
5099765012	**TMW-8 (10-12)**	Solid	06/23/14 11:00	06/24/14 12:10
5099765013	**P-2 (1-3)**	Solid	06/23/14 10:10	06/24/14 12:10
5099765014	**P-2 (18-20)**	Solid	06/23/14 10:30	06/24/14 12:10
5099765015	**Subsurf-Dup**	Solid	06/23/14 08:00	06/24/14 12:10
5099765016	**Trip Blank-2**	Solid	06/23/14 08:00	06/24/14 12:10

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SAMPLE ANALYTE COUNT

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099765001	**P-10 (2-4)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765002	**P-10 (12-14)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765003	**TMW-10 (3-5)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765004	**TMW-10 (10-12)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765005	**TMW-2 (3-5)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765006	**TMW-2 (13-15)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765007	**P-1 (1-3)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
		EPA 7196A	TPD	1
		Trivalent Chromium Calculation	SLB	1

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SAMPLE ANALYTE COUNT

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099765008	**P-1 (18-20)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765009	**TMW-1 (1-3)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765010	**TMW-1 (11-13)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765011	**TMW-8 (1-3)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
		EPA 7196A	TPD	1
		Trivalent Chromium Calculation	SLB	1
5099765012	**TMW-8 (10-12)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765013	**P-2 (1-3)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765014	**P-2 (18-20)**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1

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SAMPLE ANALYTE COUNT

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5099765015	**Subsurf-Dup**	EPA 8082	DMT	8
		EPA 6010	FRW	8
		EPA 8270	SN	66
		EPA 8260	ALA	73
		ASTM D2974-87	WDB	1
5099765016	**Trip Blank-2**	EPA 8260	ALA	73

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (2-4) **Lab ID: 5099765001** Collected: 06/23/14 15:35 Received: 06/24/14 12:10 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	06/27/14 12:25	07/01/14 17:55	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	110	1	06/27/14 12:25	07/01/14 17:55	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	82	%.	30-106	1	06/27/14 12:25	07/01/14 17:55	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7440-36-0	
Arsenic	**2.0**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7440-38-2	
Chromium	**7.4**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7440-47-3	
Cobalt	**5.3**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7440-48-4	
Iron	**7180**	mg/kg	53.3	1	06/26/14 09:35	06/27/14 11:32	7439-89-6	
Lead	**5.5**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7782-49-2	
Thallium	**2.3**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 11:32	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	83-32-9	
Acenaphthylene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	208-96-8	
Anthracene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	120-12-7	
Benzo(a)anthracene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	56-55-3	
Benzo(a)pyrene	ND	ug/kg	189	1	06/26/14 13:03	06/27/14 17:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	207-08-9	
Benzyl alcohol	ND	ug/kg	732	1	06/26/14 13:03	06/27/14 17:57	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	101-55-3	
Butylbenzylphthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	732	1	06/26/14 13:03	06/27/14 17:57	59-50-7	
4-Chloroaniline	ND	ug/kg	732	1	06/26/14 13:03	06/27/14 17:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	108-60-1	
2-Chloronaphthalene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	91-58-7	
2-Chlorophenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	7005-72-3	
Chrysene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	189	1	06/26/14 13:03	06/27/14 17:57	53-70-3	
Dibenzofuran	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	732	1	06/26/14 13:03	06/27/14 17:57	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	120-83-2	
Diethylphthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (2-4) **Lab ID: 5099765001** Collected: 06/23/14 15:35 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	105-67-9	
Dimethylphthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	131-11-3	
Di-n-butylphthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	606-20-2	
Di-n-octylphthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	117-81-7	
Fluoranthene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	206-44-0	
Fluorene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	87-68-3	
Hexachlorobenzene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	77-47-4	
Hexachloroethane	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	193-39-5	
Isophorone	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	78-59-1	
2-Methylnaphthalene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	732	1	06/26/14 13:03	06/27/14 17:57		
Naphthalene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	91-20-3	
2-Nitroaniline	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	88-74-4	
3-Nitroaniline	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	99-09-2	
4-Nitroaniline	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	100-01-6	
Nitrobenzene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	98-95-3	
2-Nitrophenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	88-75-5	
4-Nitrophenol	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	86-30-6	
Pentachlorophenol	ND	ug/kg	1770	1	06/26/14 13:03	06/27/14 17:57	87-86-5	
Phenanthrene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	85-01-8	
Phenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	108-95-2	
Pyrene	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	366	1	06/26/14 13:03	06/27/14 17:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80	%.	28-101	1	06/26/14 13:03	06/27/14 17:57	4165-60-0	
2-Fluorobiphenyl (S)	83	%.	31-94	1	06/26/14 13:03	06/27/14 17:57	321-60-8	
p-Terphenyl-d14 (S)	104	%.	26-110	1	06/26/14 13:03	06/27/14 17:57	1718-51-0	
Phenol-d5 (S)	86	%.	28-101	1	06/26/14 13:03	06/27/14 17:57	4165-62-2	
2-Fluorophenol (S)	83	%.	24-104	1	06/26/14 13:03	06/27/14 17:57	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	16-122	1	06/26/14 13:03	06/27/14 17:57	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**153**	ug/kg	75.7	1		07/03/14 09:02	67-64-1	
Acrolein	ND	ug/kg	75.7	1		07/03/14 09:02	107-02-8	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (2-4) **Lab ID: 5099765001** Collected: 06/23/14 15:35 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	75.7	1		07/03/14 09:02	107-13-1	
Benzene	ND	ug/kg	3.8	1		07/03/14 09:02	71-43-2	
Bromobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	108-86-1	
Bromochloromethane	ND	ug/kg	3.8	1		07/03/14 09:02	74-97-5	
Bromodichloromethane	ND	ug/kg	3.8	1		07/03/14 09:02	75-27-4	
Bromoform	ND	ug/kg	3.8	1		07/03/14 09:02	75-25-2	
Bromomethane	ND	ug/kg	3.8	1		07/03/14 09:02	74-83-9	
2-Butanone (MEK)	ND	ug/kg	18.9	1		07/03/14 09:02	78-93-3	
n-Butylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	104-51-8	
sec-Butylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	135-98-8	
tert-Butylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	98-06-6	
Carbon disulfide	ND	ug/kg	7.6	1		07/03/14 09:02	75-15-0	
Carbon tetrachloride	ND	ug/kg	3.8	1		07/03/14 09:02	56-23-5	
Chlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	108-90-7	
Chloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	75-00-3	
Chloroform	ND	ug/kg	3.8	1		07/03/14 09:02	67-66-3	
Chloromethane	ND	ug/kg	3.8	1		07/03/14 09:02	74-87-3	
2-Chlorotoluene	ND	ug/kg	3.8	1		07/03/14 09:02	95-49-8	
4-Chlorotoluene	ND	ug/kg	3.8	1		07/03/14 09:02	106-43-4	
Dibromochloromethane	ND	ug/kg	3.8	1		07/03/14 09:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3.8	1		07/03/14 09:02	106-93-4	
Dibromomethane	ND	ug/kg	3.8	1		07/03/14 09:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	75.7	1		07/03/14 09:02	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3.8	1		07/03/14 09:02	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	75-34-3	
1,2-Dichloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3.8	1		07/03/14 09:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3.8	1		07/03/14 09:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3.8	1		07/03/14 09:02	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3.8	1		07/03/14 09:02	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3.8	1		07/03/14 09:02	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3.8	1		07/03/14 09:02	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3.8	1		07/03/14 09:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3.8	1		07/03/14 09:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3.8	1		07/03/14 09:02	10061-02-6	
Ethylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	100-41-4	
Ethyl methacrylate	ND	ug/kg	75.7	1		07/03/14 09:02	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	3.8	1		07/03/14 09:02	87-68-3	
n-Hexane	ND	ug/kg	3.8	1		07/03/14 09:02	110-54-3	N2
2-Hexanone	ND	ug/kg	75.7	1		07/03/14 09:02	591-78-6	
Iodomethane	ND	ug/kg	75.7	1		07/03/14 09:02	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3.8	1		07/03/14 09:02	98-82-8	
p-Isopropyltoluene	ND	ug/kg	3.8	1		07/03/14 09:02	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (2-4) **Lab ID: 5099765001** Collected: 06/23/14 15:35 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	15.1	1		07/03/14 09:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	18.9	1		07/03/14 09:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3.8	1		07/03/14 09:02	1634-04-4	
Naphthalene	ND	ug/kg	3.8	1		07/03/14 09:02	91-20-3	
n-Propylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	103-65-1	
Styrene	ND	ug/kg	3.8	1		07/03/14 09:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	79-34-5	
Tetrachloroethene	ND	ug/kg	3.8	1		07/03/14 09:02	127-18-4	
Toluene	ND	ug/kg	3.8	1		07/03/14 09:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	3.8	1		07/03/14 09:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3.8	1		07/03/14 09:02	79-00-5	
Trichloroethene	ND	ug/kg	3.8	1		07/03/14 09:02	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3.8	1		07/03/14 09:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3.8	1		07/03/14 09:02	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3.8	1		07/03/14 09:02	108-67-8	
Vinyl acetate	ND	ug/kg	75.7	1		07/03/14 09:02	108-05-4	
Vinyl chloride	ND	ug/kg	3.8	1		07/03/14 09:02	75-01-4	
Xylene (Total)	ND	ug/kg	7.6	1		07/03/14 09:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	85-118	1		07/03/14 09:02	1868-53-7	
Toluene-d8 (S)	92	%.	71-128	1		07/03/14 09:02	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	56-144	1		07/03/14 09:02	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.1**	%	0.10	1		06/26/14 15:15		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (12-14) **Lab ID: 5099765002** Collected: 06/23/14 15:50 Received: 06/24/14 12:10 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	102	1	06/27/14 12:25	07/01/14 18:13	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 18:13	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	79	%.	30-106	1	06/27/14 12:25	07/01/14 18:13	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7440-36-0	
Arsenic	**1.3**	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7440-38-2	
Chromium	**2.4**	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7440-47-3	
Cobalt	**1.2**	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7440-48-4	
Iron	**2630**	mg/kg	48.3	1	06/26/14 09:35	06/27/14 11:42	7439-89-6	
Lead	**2.0**	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7439-92-1	
Selenium	ND	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7782-49-2	
Thallium	**1.6**	mg/kg	0.97	1	06/26/14 09:35	06/27/14 11:42	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	83-32-9	
Acenaphthylene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	208-96-8	
Anthracene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	173	1	06/26/14 13:03	06/27/14 18:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	207-08-9	
Benzyl alcohol	ND	ug/kg	671	1	06/26/14 13:03	06/27/14 18:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	671	1	06/26/14 13:03	06/27/14 18:20	59-50-7	
4-Chloroaniline	ND	ug/kg	671	1	06/26/14 13:03	06/27/14 18:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	108-60-1	
2-Chloronaphthalene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	91-58-7	
2-Chlorophenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	7005-72-3	
Chrysene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	173	1	06/26/14 13:03	06/27/14 18:20	53-70-3	
Dibenzofuran	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	671	1	06/26/14 13:03	06/27/14 18:20	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	120-83-2	
Diethylphthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (12-14) **Lab ID: 5099765002** Collected: 06/23/14 15:50 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE Analytical Method: EPA 8270 Preparation Method: EPA 3546								
2,4-Dimethylphenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	105-67-9	
Dimethylphthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	117-81-7	
Fluoranthene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	206-44-0	
Fluorene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	87-68-3	
Hexachlorobenzene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	77-47-4	
Hexachloroethane	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	193-39-5	
Isophorone	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	78-59-1	
2-Methylnaphthalene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	671	1	06/26/14 13:03	06/27/14 18:20		
Naphthalene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	91-20-3	
2-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	88-74-4	
3-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	99-09-2	
4-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	100-01-6	
Nitrobenzene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	98-95-3	
2-Nitrophenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	88-75-5	
4-Nitrophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	86-30-6	
Pentachlorophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 18:20	87-86-5	
Phenanthrene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	85-01-8	
Phenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	108-95-2	
Pyrene	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	336	1	06/26/14 13:03	06/27/14 18:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	28-101	1	06/26/14 13:03	06/27/14 18:20	4165-60-0	
2-Fluorobiphenyl (S)	87	%.	31-94	1	06/26/14 13:03	06/27/14 18:20	321-60-8	
p-Terphenyl-d14 (S)	102	%.	26-110	1	06/26/14 13:03	06/27/14 18:20	1718-51-0	
Phenol-d5 (S)	89	%.	28-101	1	06/26/14 13:03	06/27/14 18:20	4165-62-2	
2-Fluorophenol (S)	87	%.	24-104	1	06/26/14 13:03	06/27/14 18:20	367-12-4	
2,4,6-Tribromophenol (S)	92	%.	16-122	1	06/26/14 13:03	06/27/14 18:20	118-79-6	
8260 MSV 5035A VOA Analytical Method: EPA 8260								
Acetone	ND	ug/kg	95.0	1		07/03/14 09:29	67-64-1	
Acrolein	ND	ug/kg	95.0	1		07/03/14 09:29	107-02-8	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (12-14) **Lab ID: 5099765002** Collected: 06/23/14 15:50 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	95.0	1		07/03/14 09:29	107-13-1	
Benzene	ND	ug/kg	4.7	1		07/03/14 09:29	71-43-2	
Bromobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	108-86-1	
Bromochloromethane	ND	ug/kg	4.7	1		07/03/14 09:29	74-97-5	
Bromodichloromethane	ND	ug/kg	4.7	1		07/03/14 09:29	75-27-4	
Bromoform	ND	ug/kg	4.7	1		07/03/14 09:29	75-25-2	
Bromomethane	ND	ug/kg	4.7	1		07/03/14 09:29	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.7	1		07/03/14 09:29	78-93-3	
n-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	98-06-6	
Carbon disulfide	ND	ug/kg	9.5	1		07/03/14 09:29	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.7	1		07/03/14 09:29	56-23-5	
Chlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	108-90-7	
Chloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	75-00-3	
Chloroform	ND	ug/kg	4.7	1		07/03/14 09:29	67-66-3	
Chloromethane	ND	ug/kg	4.7	1		07/03/14 09:29	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.7	1		07/03/14 09:29	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.7	1		07/03/14 09:29	106-43-4	
Dibromochloromethane	ND	ug/kg	4.7	1		07/03/14 09:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.7	1		07/03/14 09:29	106-93-4	
Dibromomethane	ND	ug/kg	4.7	1		07/03/14 09:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	95.0	1		07/03/14 09:29	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.7	1		07/03/14 09:29	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 09:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 09:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.7	1		07/03/14 09:29	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 09:29	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 09:29	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.7	1		07/03/14 09:29	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 09:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 09:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.7	1		07/03/14 09:29	10061-02-6	
Ethylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	100-41-4	
Ethyl methacrylate	ND	ug/kg	95.0	1		07/03/14 09:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.7	1		07/03/14 09:29	87-68-3	
n-Hexane	ND	ug/kg	4.7	1		07/03/14 09:29	110-54-3	N2
2-Hexanone	ND	ug/kg	95.0	1		07/03/14 09:29	591-78-6	
Iodomethane	ND	ug/kg	95.0	1		07/03/14 09:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.7	1		07/03/14 09:29	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.7	1		07/03/14 09:29	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-10 (12-14) **Lab ID: 5099765002** Collected: 06/23/14 15:50 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	19.0	1		07/03/14 09:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.7	1		07/03/14 09:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.7	1		07/03/14 09:29	1634-04-4	
Naphthalene	ND	ug/kg	4.7	1		07/03/14 09:29	91-20-3	
n-Propylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	103-65-1	
Styrene	ND	ug/kg	4.7	1		07/03/14 09:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	79-34-5	
Tetrachloroethene	ND	ug/kg	4.7	1		07/03/14 09:29	127-18-4	
Toluene	ND	ug/kg	4.7	1		07/03/14 09:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.7	1		07/03/14 09:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.7	1		07/03/14 09:29	79-00-5	
Trichloroethene	ND	ug/kg	4.7	1		07/03/14 09:29	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.7	1		07/03/14 09:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.7	1		07/03/14 09:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.7	1		07/03/14 09:29	108-67-8	
Vinyl acetate	ND	ug/kg	95.0	1		07/03/14 09:29	108-05-4	
Vinyl chloride	ND	ug/kg	4.7	1		07/03/14 09:29	75-01-4	
Xylene (Total)	ND	ug/kg	9.5	1		07/03/14 09:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	85-118	1		07/03/14 09:29	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/03/14 09:29	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	56-144	1		07/03/14 09:29	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**2.3**	%	0.10	1		06/26/14 15:15		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (3-5) **Lab ID: 5099765003** Collected: 06/23/14 14:45 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 18:18	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	90	%.	30-106	1	06/27/14 12:25	07/01/14 18:18	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7440-36-0	
Arsenic	**4.1**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7440-38-2	
Chromium	**9.4**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7440-47-3	
Cobalt	**2.8**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7440-48-4	
Iron	**10300**	mg/kg	51.5	1	06/26/14 09:35	06/27/14 11:44	7439-89-6	
Lead	**5.9**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7782-49-2	
Thallium	**3.2**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 11:44	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	83-32-9	
Acenaphthylene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	208-96-8	
Anthracene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	120-12-7	
Benzo(a)anthracene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	56-55-3	
Benzo(a)pyrene	ND	ug/kg	184	1	06/26/14 13:03	06/27/14 18:42	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	207-08-9	
Benzyl alcohol	ND	ug/kg	715	1	06/26/14 13:03	06/27/14 18:42	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	101-55-3	
Butylbenzylphthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	715	1	06/26/14 13:03	06/27/14 18:42	59-50-7	
4-Chloroaniline	ND	ug/kg	715	1	06/26/14 13:03	06/27/14 18:42	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	108-60-1	
2-Chloronaphthalene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	91-58-7	
2-Chlorophenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	7005-72-3	
Chrysene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	184	1	06/26/14 13:03	06/27/14 18:42	53-70-3	
Dibenzofuran	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	715	1	06/26/14 13:03	06/27/14 18:42	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	120-83-2	
Diethylphthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (3-5) **Lab ID: 5099765003** Collected: 06/23/14 14:45 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	105-67-9	
Dimethylphthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	131-11-3	
Di-n-butylphthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	606-20-2	
Di-n-octylphthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	117-81-7	
Fluoranthene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	206-44-0	
Fluorene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	87-68-3	
Hexachlorobenzene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	77-47-4	
Hexachloroethane	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	193-39-5	
Isophorone	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	78-59-1	
2-Methylnaphthalene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	715	1	06/26/14 13:03	06/27/14 18:42		
Naphthalene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	91-20-3	
2-Nitroaniline	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	88-74-4	
3-Nitroaniline	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	99-09-2	
4-Nitroaniline	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	100-01-6	
Nitrobenzene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	98-95-3	
2-Nitrophenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	88-75-5	
4-Nitrophenol	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	86-30-6	
Pentachlorophenol	ND	ug/kg	1730	1	06/26/14 13:03	06/27/14 18:42	87-86-5	
Phenanthrene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	85-01-8	
Phenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	108-95-2	
Pyrene	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	357	1	06/26/14 13:03	06/27/14 18:42	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%.	28-101	1	06/26/14 13:03	06/27/14 18:42	4165-60-0	
2-Fluorobiphenyl (S)	85	%.	31-94	1	06/26/14 13:03	06/27/14 18:42	321-60-8	
p-Terphenyl-d14 (S)	102	%.	26-110	1	06/26/14 13:03	06/27/14 18:42	1718-51-0	
Phenol-d5 (S)	84	%.	28-101	1	06/26/14 13:03	06/27/14 18:42	4165-62-2	
2-Fluorophenol (S)	82	%.	24-104	1	06/26/14 13:03	06/27/14 18:42	367-12-4	
2,4,6-Tribromophenol (S)	89	%.	16-122	1	06/26/14 13:03	06/27/14 18:42	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	90.3	1		07/03/14 09:56	67-64-1	
Acrolein	ND	ug/kg	90.3	1		07/03/14 09:56	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (3-5) **Lab ID: 5099765003** Collected: 06/23/14 14:45 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	90.3	1		07/03/14 09:56	107-13-1	
Benzene	ND	ug/kg	4.5	1		07/03/14 09:56	71-43-2	
Bromobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.5	1		07/03/14 09:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.5	1		07/03/14 09:56	75-27-4	
Bromoform	ND	ug/kg	4.5	1		07/03/14 09:56	75-25-2	
Bromomethane	ND	ug/kg	4.5	1		07/03/14 09:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	22.6	1		07/03/14 09:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	98-06-6	
Carbon disulfide	ND	ug/kg	9.0	1		07/03/14 09:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.5	1		07/03/14 09:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	108-90-7	
Chloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	75-00-3	
Chloroform	ND	ug/kg	4.5	1		07/03/14 09:56	67-66-3	
Chloromethane	ND	ug/kg	4.5	1		07/03/14 09:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.5	1		07/03/14 09:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.5	1		07/03/14 09:56	106-43-4	
Dibromochloromethane	ND	ug/kg	4.5	1		07/03/14 09:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.5	1		07/03/14 09:56	106-93-4	
Dibromomethane	ND	ug/kg	4.5	1		07/03/14 09:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	90.3	1		07/03/14 09:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.5	1		07/03/14 09:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.5	1		07/03/14 09:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.5	1		07/03/14 09:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.5	1		07/03/14 09:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.5	1		07/03/14 09:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.5	1		07/03/14 09:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.5	1		07/03/14 09:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.5	1		07/03/14 09:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.5	1		07/03/14 09:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.5	1		07/03/14 09:56	10061-02-6	
Ethylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	90.3	1		07/03/14 09:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.5	1		07/03/14 09:56	87-68-3	
n-Hexane	ND	ug/kg	4.5	1		07/03/14 09:56	110-54-3	N2
2-Hexanone	ND	ug/kg	90.3	1		07/03/14 09:56	591-78-6	
Iodomethane	ND	ug/kg	90.3	1		07/03/14 09:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.5	1		07/03/14 09:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.5	1		07/03/14 09:56	99-87-6	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (3-5) **Lab ID: 5099765003** Collected: 06/23/14 14:45 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	18.1	1		07/03/14 09:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	22.6	1		07/03/14 09:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.5	1		07/03/14 09:56	1634-04-4	
Naphthalene	ND	ug/kg	4.5	1		07/03/14 09:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	103-65-1	
Styrene	ND	ug/kg	4.5	1		07/03/14 09:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.5	1		07/03/14 09:56	127-18-4	
Toluene	ND	ug/kg	4.5	1		07/03/14 09:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.5	1		07/03/14 09:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.5	1		07/03/14 09:56	79-00-5	
Trichloroethene	ND	ug/kg	4.5	1		07/03/14 09:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.5	1		07/03/14 09:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.5	1		07/03/14 09:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.5	1		07/03/14 09:56	108-67-8	
Vinyl acetate	ND	ug/kg	90.3	1		07/03/14 09:56	108-05-4	
Vinyl chloride	ND	ug/kg	4.5	1		07/03/14 09:56	75-01-4	
Xylene (Total)	ND	ug/kg	9.0	1		07/03/14 09:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	85-118	1		07/03/14 09:56	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/03/14 09:56	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	56-144	1		07/03/14 09:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.2**	%	0.10	1		06/26/14 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (10-12) **Lab ID: 5099765004** Collected: 06/23/14 14:55 Received: 06/24/14 12:10 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	06/27/14 12:25	07/01/14 18:24	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:24	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	85	%.	30-106	1	06/27/14 12:25	07/01/14 18:24	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7440-36-0	
Arsenic	**3.4**	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7440-38-2	
Chromium	**7.3**	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7440-47-3	
Cobalt	**3.2**	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7440-48-4	
Iron	**8210**	mg/kg	47.5	1	06/26/14 09:35	06/27/14 11:46	7439-89-6	
Lead	**7.5**	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7439-92-1	
Selenium	ND	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7782-49-2	
Thallium	**1.7**	mg/kg	0.95	1	06/26/14 09:35	06/27/14 11:46	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	83-32-9	
Acenaphthylene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	208-96-8	
Anthracene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	180	1	06/26/14 13:03	06/27/14 19:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	207-08-9	
Benzyl alcohol	ND	ug/kg	697	1	06/26/14 13:03	06/27/14 19:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	697	1	06/26/14 13:03	06/27/14 19:05	59-50-7	
4-Chloroaniline	ND	ug/kg	697	1	06/26/14 13:03	06/27/14 19:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	91-58-7	
2-Chlorophenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	7005-72-3	
Chrysene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	180	1	06/26/14 13:03	06/27/14 19:05	53-70-3	
Dibenzofuran	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	697	1	06/26/14 13:03	06/27/14 19:05	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	120-83-2	
Diethylphthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (10-12) **Lab ID: 5099765004** Collected: 06/23/14 14:55 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	105-67-9	
Dimethylphthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	117-81-7	
Fluoranthene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	206-44-0	
Fluorene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	87-68-3	
Hexachlorobenzene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	77-47-4	
Hexachloroethane	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	193-39-5	
Isophorone	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	78-59-1	
2-Methylnaphthalene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	697	1	06/26/14 13:03	06/27/14 19:05		
Naphthalene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	91-20-3	
2-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	88-74-4	
3-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	99-09-2	
4-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	100-01-6	
Nitrobenzene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	98-95-3	
2-Nitrophenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	88-75-5	
4-Nitrophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	86-30-6	
Pentachlorophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:05	87-86-5	
Phenanthrene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	85-01-8	
Phenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	108-95-2	
Pyrene	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	349	1	06/26/14 13:03	06/27/14 19:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	28-101	1	06/26/14 13:03	06/27/14 19:05	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	31-94	1	06/26/14 13:03	06/27/14 19:05	321-60-8	
p-Terphenyl-d14 (S)	98	%.	26-110	1	06/26/14 13:03	06/27/14 19:05	1718-51-0	
Phenol-d5 (S)	86	%.	28-101	1	06/26/14 13:03	06/27/14 19:05	4165-62-2	
2-Fluorophenol (S)	81	%.	24-104	1	06/26/14 13:03	06/27/14 19:05	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122	1	06/26/14 13:03	06/27/14 19:05	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	92.1	1		07/03/14 22:50	67-64-1	
Acrolein	ND	ug/kg	92.1	1		07/03/14 22:50	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (10-12) **Lab ID: 5099765004** Collected: 06/23/14 14:55 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	92.1	1		07/03/14 22:50	107-13-1	
Benzene	ND	ug/kg	4.6	1		07/03/14 22:50	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		07/03/14 22:50	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		07/03/14 22:50	75-27-4	
Bromoform	ND	ug/kg	4.6	1		07/03/14 22:50	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		07/03/14 22:50	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.0	1		07/03/14 22:50	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	98-06-6	
Carbon disulfide	ND	ug/kg	9.2	1		07/03/14 22:50	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		07/03/14 22:50	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	75-00-3	
Chloroform	ND	ug/kg	4.6	1		07/03/14 22:50	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		07/03/14 22:50	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		07/03/14 22:50	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		07/03/14 22:50	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		07/03/14 22:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		07/03/14 22:50	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		07/03/14 22:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	92.1	1		07/03/14 22:50	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		07/03/14 22:50	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 22:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 22:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 22:50	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 22:50	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 22:50	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 22:50	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 22:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 22:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 22:50	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	100-41-4	
Ethyl methacrylate	ND	ug/kg	92.1	1		07/03/14 22:50	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		07/03/14 22:50	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		07/03/14 22:50	110-54-3	N2
2-Hexanone	ND	ug/kg	92.1	1		07/03/14 22:50	591-78-6	
Iodomethane	ND	ug/kg	92.1	1		07/03/14 22:50	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		07/03/14 22:50	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		07/03/14 22:50	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-10 (10-12) **Lab ID: 5099765004** Collected: 06/23/14 14:55 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	18.4	1		07/03/14 22:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.0	1		07/03/14 22:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		07/03/14 22:50	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		07/03/14 22:50	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	103-65-1	
Styrene	ND	ug/kg	4.6	1		07/03/14 22:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		07/03/14 22:50	127-18-4	
Toluene	ND	ug/kg	4.6	1		07/03/14 22:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		07/03/14 22:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		07/03/14 22:50	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		07/03/14 22:50	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		07/03/14 22:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		07/03/14 22:50	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		07/03/14 22:50	108-67-8	
Vinyl acetate	ND	ug/kg	92.1	1		07/03/14 22:50	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		07/03/14 22:50	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		07/03/14 22:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%.	85-118	1		07/03/14 22:50	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		07/03/14 22:50	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	56-144	1		07/03/14 22:50	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.3**	%	0.10	1		06/26/14 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (3-5) **Lab ID: 5099765005** Collected: 06/23/14 13:15 Received: 06/24/14 12:10 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	06/27/14 12:25	07/01/14 18:30	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	106	1	06/27/14 12:25	07/01/14 18:30	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	81	%.	30-106	1	06/27/14 12:25	07/01/14 18:30	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7440-36-0	
Arsenic	**1.8**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7440-38-2	
Chromium	**7.0**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7440-47-3	
Cobalt	**2.3**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7440-48-4	
Iron	**6730**	mg/kg	49.0	1	06/26/14 09:35	06/27/14 11:48	7439-89-6	
Lead	**5.8**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7439-92-1	
Selenium	ND	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7782-49-2	
Thallium	**6.3**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 11:48	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	83-32-9	
Acenaphthylene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	208-96-8	
Anthracene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	179	1	06/26/14 13:03	06/27/14 19:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	207-08-9	
Benzyl alcohol	ND	ug/kg	696	1	06/26/14 13:03	06/27/14 19:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	696	1	06/26/14 13:03	06/27/14 19:27	59-50-7	
4-Chloroaniline	ND	ug/kg	696	1	06/26/14 13:03	06/27/14 19:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	91-58-7	
2-Chlorophenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	7005-72-3	
Chrysene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	179	1	06/26/14 13:03	06/27/14 19:27	53-70-3	
Dibenzofuran	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	696	1	06/26/14 13:03	06/27/14 19:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	120-83-2	
Diethylphthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (3-5) **Lab ID: 5099765005** Collected: 06/23/14 13:15 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	105-67-9	
Dimethylphthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	117-81-7	
Fluoranthene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	206-44-0	
Fluorene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	77-47-4	
Hexachloroethane	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	193-39-5	
Isophorone	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	696	1	06/26/14 13:03	06/27/14 19:27		
Naphthalene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	91-20-3	
2-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	88-74-4	
3-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	99-09-2	
4-Nitroaniline	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	100-01-6	
Nitrobenzene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	98-95-3	
2-Nitrophenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	86-30-6	
Pentachlorophenol	ND	ug/kg	1690	1	06/26/14 13:03	06/27/14 19:27	87-86-5	
Phenanthrene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	85-01-8	
Phenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	108-95-2	
Pyrene	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	348	1	06/26/14 13:03	06/27/14 19:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	80	%.	28-101	1	06/26/14 13:03	06/27/14 19:27	4165-60-0	
2-Fluorobiphenyl (S)	81	%.	31-94	1	06/26/14 13:03	06/27/14 19:27	321-60-8	
p-Terphenyl-d14 (S)	101	%.	26-110	1	06/26/14 13:03	06/27/14 19:27	1718-51-0	
Phenol-d5 (S)	84	%.	28-101	1	06/26/14 13:03	06/27/14 19:27	4165-62-2	
2-Fluorophenol (S)	83	%.	24-104	1	06/26/14 13:03	06/27/14 19:27	367-12-4	
2,4,6-Tribromophenol (S)	89	%.	16-122	1	06/26/14 13:03	06/27/14 19:27	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	**99.9**	ug/kg	92.2	1		07/03/14 23:18	67-64-1	
Acrolein	ND	ug/kg	92.2	1		07/03/14 23:18	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (3-5) **Lab ID: 5099765005** Collected: 06/23/14 13:15 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	92.2	1		07/03/14 23:18	107-13-1	
Benzene	ND	ug/kg	4.6	1		07/03/14 23:18	71-43-2	
Bromobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	108-86-1	
Bromochloromethane	ND	ug/kg	4.6	1		07/03/14 23:18	74-97-5	
Bromodichloromethane	ND	ug/kg	4.6	1		07/03/14 23:18	75-27-4	
Bromoform	ND	ug/kg	4.6	1		07/03/14 23:18	75-25-2	
Bromomethane	ND	ug/kg	4.6	1		07/03/14 23:18	74-83-9	
2-Butanone (MEK)	ND	ug/kg	23.1	1		07/03/14 23:18	78-93-3	
n-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	98-06-6	
Carbon disulfide	ND	ug/kg	9.2	1		07/03/14 23:18	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.6	1		07/03/14 23:18	56-23-5	
Chlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	108-90-7	
Chloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	75-00-3	
Chloroform	ND	ug/kg	4.6	1		07/03/14 23:18	67-66-3	
Chloromethane	ND	ug/kg	4.6	1		07/03/14 23:18	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.6	1		07/03/14 23:18	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.6	1		07/03/14 23:18	106-43-4	
Dibromochloromethane	ND	ug/kg	4.6	1		07/03/14 23:18	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.6	1		07/03/14 23:18	106-93-4	
Dibromomethane	ND	ug/kg	4.6	1		07/03/14 23:18	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	92.2	1		07/03/14 23:18	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.6	1		07/03/14 23:18	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 23:18	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 23:18	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.6	1		07/03/14 23:18	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 23:18	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 23:18	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.6	1		07/03/14 23:18	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 23:18	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 23:18	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.6	1		07/03/14 23:18	10061-02-6	
Ethylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	100-41-4	
Ethyl methacrylate	ND	ug/kg	92.2	1		07/03/14 23:18	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.6	1		07/03/14 23:18	87-68-3	
n-Hexane	ND	ug/kg	4.6	1		07/03/14 23:18	110-54-3	N2
2-Hexanone	ND	ug/kg	92.2	1		07/03/14 23:18	591-78-6	
Iodomethane	ND	ug/kg	92.2	1		07/03/14 23:18	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.6	1		07/03/14 23:18	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.6	1		07/03/14 23:18	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (3-5) **Lab ID: 5099765005** Collected: 06/23/14 13:15 Received: 06/24/14 12:10 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							
Methylene Chloride	**22.9**	ug/kg	18.4	1		07/03/14 23:18	75-09-2	C9
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	23.1	1		07/03/14 23:18	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.6	1		07/03/14 23:18	1634-04-4	
Naphthalene	ND	ug/kg	4.6	1		07/03/14 23:18	91-20-3	
n-Propylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	103-65-1	
Styrene	ND	ug/kg	4.6	1		07/03/14 23:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	79-34-5	
Tetrachloroethene	ND	ug/kg	4.6	1		07/03/14 23:18	127-18-4	
Toluene	ND	ug/kg	4.6	1		07/03/14 23:18	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.6	1		07/03/14 23:18	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.6	1		07/03/14 23:18	79-00-5	
Trichloroethene	ND	ug/kg	4.6	1		07/03/14 23:18	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.6	1		07/03/14 23:18	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.6	1		07/03/14 23:18	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.6	1		07/03/14 23:18	108-67-8	
Vinyl acetate	ND	ug/kg	92.2	1		07/03/14 23:18	108-05-4	
Vinyl chloride	ND	ug/kg	4.6	1		07/03/14 23:18	75-01-4	
Xylene (Total)	ND	ug/kg	9.2	1		07/03/14 23:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%.	85-118	1		07/03/14 23:18	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/03/14 23:18	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	56-144	1		07/03/14 23:18	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.4**	%	0.10	1		06/26/14 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (13-15) **Lab ID: 5099765006** Collected: 06/23/14 13:30 Received: 06/24/14 12:10 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	06/27/14 12:25	07/01/14 18:36	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	118	1	06/27/14 12:25	07/01/14 18:36	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	72	%.	30-106	1	06/27/14 12:25	07/01/14 18:36	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7440-36-0	
Arsenic	**2.2**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7440-38-2	
Chromium	**3.0**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7440-47-3	
Cobalt	**1.5**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7440-48-4	
Iron	**4160**	mg/kg	51.7	1	06/26/14 09:35	06/27/14 12:08	7439-89-6	
Lead	**2.8**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7782-49-2	
Thallium	**2.2**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:08	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	83-32-9	
Acenaphthylene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	208-96-8	
Anthracene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	201	1	06/26/14 13:03	06/27/14 19:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	207-08-9	
Benzyl alcohol	ND	ug/kg	778	1	06/26/14 13:03	06/27/14 19:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	778	1	06/26/14 13:03	06/27/14 19:50	59-50-7	
4-Chloroaniline	ND	ug/kg	778	1	06/26/14 13:03	06/27/14 19:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	91-58-7	
2-Chlorophenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	7005-72-3	
Chrysene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	201	1	06/26/14 13:03	06/27/14 19:50	53-70-3	
Dibenzofuran	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	778	1	06/26/14 13:03	06/27/14 19:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	120-83-2	
Diethylphthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (13-15) **Lab ID: 5099765006** Collected: 06/23/14 13:30 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	105-67-9	
Dimethylphthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	117-81-7	
Fluoranthene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	206-44-0	
Fluorene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	77-47-4	
Hexachloroethane	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	193-39-5	
Isophorone	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	78-59-1	
2-Methylnaphthalene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	778	1	06/26/14 13:03	06/27/14 19:50		
Naphthalene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	91-20-3	
2-Nitroaniline	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	99-09-2	
4-Nitroaniline	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	100-01-6	
Nitrobenzene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	98-95-3	
2-Nitrophenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1890	1	06/26/14 13:03	06/27/14 19:50	87-86-5	
Phenanthrene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	85-01-8	
Phenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	108-95-2	
Pyrene	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	389	1	06/26/14 13:03	06/27/14 19:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%.	28-101	1	06/26/14 13:03	06/27/14 19:50	4165-60-0	
2-Fluorobiphenyl (S)	86	%.	31-94	1	06/26/14 13:03	06/27/14 19:50	321-60-8	
p-Terphenyl-d14 (S)	102	%.	26-110	1	06/26/14 13:03	06/27/14 19:50	1718-51-0	
Phenol-d5 (S)	86	%.	28-101	1	06/26/14 13:03	06/27/14 19:50	4165-62-2	
2-Fluorophenol (S)	84	%.	24-104	1	06/26/14 13:03	06/27/14 19:50	367-12-4	
2,4,6-Tribromophenol (S)	89	%.	16-122	1	06/26/14 13:03	06/27/14 19:50	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	117	1		07/03/14 23:45	67-64-1	
Acrolein	ND	ug/kg	117	1		07/03/14 23:45	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (13-15) **Lab ID: 5099765006** Collected: 06/23/14 13:30 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	117	1		07/03/14 23:45	107-13-1	
Benzene	ND	ug/kg	5.9	1		07/03/14 23:45	71-43-2	
Bromobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	108-86-1	
Bromochloromethane	ND	ug/kg	5.9	1		07/03/14 23:45	74-97-5	
Bromodichloromethane	ND	ug/kg	5.9	1		07/03/14 23:45	75-27-4	
Bromoform	ND	ug/kg	5.9	1		07/03/14 23:45	75-25-2	
Bromomethane	ND	ug/kg	5.9	1		07/03/14 23:45	74-83-9	
2-Butanone (MEK)	ND	ug/kg	29.3	1		07/03/14 23:45	78-93-3	
n-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	98-06-6	
Carbon disulfide	ND	ug/kg	11.7	1		07/03/14 23:45	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.9	1		07/03/14 23:45	56-23-5	
Chlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	108-90-7	
Chloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	75-00-3	
Chloroform	ND	ug/kg	5.9	1		07/03/14 23:45	67-66-3	
Chloromethane	ND	ug/kg	5.9	1		07/03/14 23:45	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.9	1		07/03/14 23:45	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.9	1		07/03/14 23:45	106-43-4	
Dibromochloromethane	ND	ug/kg	5.9	1		07/03/14 23:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.9	1		07/03/14 23:45	106-93-4	
Dibromomethane	ND	ug/kg	5.9	1		07/03/14 23:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	117	1		07/03/14 23:45	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.9	1		07/03/14 23:45	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 23:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 23:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.9	1		07/03/14 23:45	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 23:45	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 23:45	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.9	1		07/03/14 23:45	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 23:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 23:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.9	1		07/03/14 23:45	10061-02-6	
Ethylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	100-41-4	
Ethyl methacrylate	ND	ug/kg	117	1		07/03/14 23:45	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.9	1		07/03/14 23:45	87-68-3	
n-Hexane	ND	ug/kg	5.9	1		07/03/14 23:45	110-54-3	N2
2-Hexanone	ND	ug/kg	117	1		07/03/14 23:45	591-78-6	
Iodomethane	ND	ug/kg	117	1		07/03/14 23:45	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.9	1		07/03/14 23:45	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.9	1		07/03/14 23:45	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-2 (13-15) **Lab ID: 5099765006** Collected: 06/23/14 13:30 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	23.4	1		07/03/14 23:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	29.3	1		07/03/14 23:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.9	1		07/03/14 23:45	1634-04-4	
Naphthalene	ND	ug/kg	5.9	1		07/03/14 23:45	91-20-3	
n-Propylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	103-65-1	
Styrene	ND	ug/kg	5.9	1		07/03/14 23:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	79-34-5	
Tetrachloroethene	ND	ug/kg	5.9	1		07/03/14 23:45	127-18-4	
Toluene	ND	ug/kg	5.9	1		07/03/14 23:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.9	1		07/03/14 23:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.9	1		07/03/14 23:45	79-00-5	
Trichloroethene	ND	ug/kg	5.9	1		07/03/14 23:45	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.9	1		07/03/14 23:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.9	1		07/03/14 23:45	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.9	1		07/03/14 23:45	108-67-8	
Vinyl acetate	ND	ug/kg	117	1		07/03/14 23:45	108-05-4	
Vinyl chloride	ND	ug/kg	5.9	1		07/03/14 23:45	75-01-4	
Xylene (Total)	ND	ug/kg	11.7	1		07/03/14 23:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	85-118	1		07/03/14 23:45	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/03/14 23:45	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	56-144	1		07/03/14 23:45	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.3**	%	0.10	1		06/26/14 15:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (1-3) **Lab ID: 5099765007** Collected: 06/23/14 12:35 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	104	1	06/27/14 12:25	07/02/14 22:57	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	81	%.	30-106	1	06/27/14 12:25	07/02/14 22:57	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	**7.9**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7440-36-0	
Arsenic	**48.4**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7440-38-2	
Chromium	**45.1**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7440-47-3	
Cobalt	**22.9**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7440-48-4	
Iron	**253000**	mg/kg	976	20	06/26/14 09:35	06/27/14 13:26	7439-89-6	
Lead	**97.9**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7439-92-1	
Selenium	ND	mg/kg	19.5	20	06/26/14 09:35	06/27/14 13:26	7782-49-2	D3
Thallium	**1.9**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:11	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	83-32-9	
Acenaphthylene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	208-96-8	
Anthracene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	176	1	06/26/14 13:03	06/27/14 20:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	207-08-9	
Benzyl alcohol	ND	ug/kg	682	1	06/26/14 13:03	06/27/14 20:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	682	1	06/26/14 13:03	06/27/14 20:12	59-50-7	
4-Chloroaniline	ND	ug/kg	682	1	06/26/14 13:03	06/27/14 20:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	91-58-7	
2-Chlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	7005-72-3	
Chrysene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	176	1	06/26/14 13:03	06/27/14 20:12	53-70-3	
Dibenzofuran	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	682	1	06/26/14 13:03	06/27/14 20:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	120-83-2	
Diethylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (1-3) **Lab ID: 5099765007** Collected: 06/23/14 12:35 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	105-67-9	
Dimethylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	117-81-7	
Fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	206-44-0	
Fluorene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	77-47-4	
Hexachloroethane	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	193-39-5	
Isophorone	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	78-59-1	
2-Methylnaphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	682	1	06/26/14 13:03	06/27/14 20:12		
Naphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	91-20-3	
2-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	88-74-4	
3-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	99-09-2	
4-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	100-01-6	
Nitrobenzene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	98-95-3	
2-Nitrophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	86-30-6	
Pentachlorophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 20:12	87-86-5	
Phenanthrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	85-01-8	
Phenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	108-95-2	
Pyrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	44	%.	28-101	1	06/26/14 13:03	06/27/14 20:12	4165-60-0	
2-Fluorobiphenyl (S)	51	%.	31-94	1	06/26/14 13:03	06/27/14 20:12	321-60-8	
p-Terphenyl-d14 (S)	52	%.	26-110	1	06/26/14 13:03	06/27/14 20:12	1718-51-0	
Phenol-d5 (S)	50	%.	28-101	1	06/26/14 13:03	06/27/14 20:12	4165-62-2	
2-Fluorophenol (S)	51	%.	24-104	1	06/26/14 13:03	06/27/14 20:12	367-12-4	
2,4,6-Tribromophenol (S)	43	%.	16-122	1	06/26/14 13:03	06/27/14 20:12	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		07/04/14 00:12	67-64-1	
Acrolein	ND	ug/kg	105	1		07/04/14 00:12	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (1-3) **Lab ID: 5099765007** Collected: 06/23/14 12:35 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	105	1		07/04/14 00:12	107-13-1	
Benzene	ND	ug/kg	5.3	1		07/04/14 00:12	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/04/14 00:12	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/04/14 00:12	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/04/14 00:12	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		07/04/14 00:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.3	1		07/04/14 00:12	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	98-06-6	
Carbon disulfide	ND	ug/kg	10.5	1		07/04/14 00:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/04/14 00:12	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/04/14 00:12	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		07/04/14 00:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 00:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 00:12	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		07/04/14 00:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/04/14 00:12	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/04/14 00:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	105	1		07/04/14 00:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		07/04/14 00:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 00:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 00:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 00:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 00:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 00:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 00:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 00:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 00:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 00:12	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	100-41-4	
Ethyl methacrylate	ND	ug/kg	105	1		07/04/14 00:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/04/14 00:12	87-68-3	
n-Hexane	**24.0**	ug/kg	5.3	1		07/04/14 00:12	110-54-3	N2
2-Hexanone	ND	ug/kg	105	1		07/04/14 00:12	591-78-6	
Iodomethane	ND	ug/kg	105	1		07/04/14 00:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/04/14 00:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/04/14 00:12	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (1-3) **Lab ID: 5099765007** Collected: 06/23/14 12:35 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	21.0	1		07/04/14 00:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.3	1		07/04/14 00:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/04/14 00:12	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/04/14 00:12	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/04/14 00:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/04/14 00:12	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/04/14 00:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 00:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 00:12	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/04/14 00:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/04/14 00:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/04/14 00:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 00:12	108-67-8	
Vinyl acetate	ND	ug/kg	105	1		07/04/14 00:12	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		07/04/14 00:12	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		07/04/14 00:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	85-118	1		07/04/14 00:12	1868-53-7	
Toluene-d8 (S)	96	%.	71-128	1		07/04/14 00:12	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	56-144	1		07/04/14 00:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**4.2**	%	0.10	1		06/26/14 15:16		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Preparation Method: EPA 3060A							
Chromium, Hexavalent	ND	mg/kg	2.0	1	07/16/14 06:49	07/17/14 09:31	18540-29-9	
Trivalent Chromium Calculation	Analytical Method: Trivalent Chromium Calculation							
Chromium, Trivalent	**45.1**	mg/kg	1.0	1		07/17/14 13:37	16065-83-1	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (18-20) **Lab ID: 5099765008** Collected: 06/23/14 12:50 Received: 06/24/14 12:10 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	114	1	06/27/14 12:25	07/01/14 18:47	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	114	1	06/27/14 12:25	07/01/14 18:47	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	75	%.	30-106	1	06/27/14 12:25	07/01/14 18:47	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7440-36-0	
Arsenic	**1.5**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7440-38-2	
Chromium	**2.8**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7440-47-3	
Cobalt	**1.5**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7440-48-4	
Iron	**3140**	mg/kg	55.7	1	06/26/14 09:35	06/27/14 12:13	7439-89-6	
Lead	**2.1**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7782-49-2	
Thallium	**1.8**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:13	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	83-32-9	
Acenaphthylene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	208-96-8	
Anthracene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	120-12-7	
Benzo(a)anthracene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	56-55-3	
Benzo(a)pyrene	ND	ug/kg	194	1	06/26/14 13:03	06/27/14 20:35	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	207-08-9	
Benzyl alcohol	ND	ug/kg	755	1	06/26/14 13:03	06/27/14 20:35	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	101-55-3	
Butylbenzylphthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	755	1	06/26/14 13:03	06/27/14 20:35	59-50-7	
4-Chloroaniline	ND	ug/kg	755	1	06/26/14 13:03	06/27/14 20:35	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	108-60-1	
2-Chloronaphthalene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	91-58-7	
2-Chlorophenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	7005-72-3	
Chrysene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	194	1	06/26/14 13:03	06/27/14 20:35	53-70-3	
Dibenzofuran	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	755	1	06/26/14 13:03	06/27/14 20:35	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	120-83-2	
Diethylphthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (18-20) **Lab ID: 5099765008** Collected: 06/23/14 12:50 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	105-67-9	
Dimethylphthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	131-11-3	
Di-n-butylphthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	606-20-2	
Di-n-octylphthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	117-81-7	
Fluoranthene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	206-44-0	
Fluorene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	87-68-3	
Hexachlorobenzene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	77-47-4	
Hexachloroethane	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	193-39-5	
Isophorone	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	78-59-1	
2-Methylnaphthalene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	755	1	06/26/14 13:03	06/27/14 20:35		
Naphthalene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	91-20-3	
2-Nitroaniline	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	88-74-4	
3-Nitroaniline	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	99-09-2	
4-Nitroaniline	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	100-01-6	
Nitrobenzene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	98-95-3	
2-Nitrophenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	88-75-5	
4-Nitrophenol	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	86-30-6	
Pentachlorophenol	ND	ug/kg	1830	1	06/26/14 13:03	06/27/14 20:35	87-86-5	
Phenanthrene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	85-01-8	
Phenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	108-95-2	
Pyrene	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	377	1	06/26/14 13:03	06/27/14 20:35	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	73	%.	28-101	1	06/26/14 13:03	06/27/14 20:35	4165-60-0	
2-Fluorobiphenyl (S)	77	%.	31-94	1	06/26/14 13:03	06/27/14 20:35	321-60-8	
p-Terphenyl-d14 (S)	89	%.	26-110	1	06/26/14 13:03	06/27/14 20:35	1718-51-0	
Phenol-d5 (S)	75	%.	28-101	1	06/26/14 13:03	06/27/14 20:35	4165-62-2	
2-Fluorophenol (S)	73	%.	24-104	1	06/26/14 13:03	06/27/14 20:35	367-12-4	
2,4,6-Tribromophenol (S)	73	%.	16-122	1	06/26/14 13:03	06/27/14 20:35	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	101	1		07/04/14 00:39	67-64-1	
Acrolein	ND	ug/kg	101	1		07/04/14 00:39	107-02-8	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (18-20) **Lab ID: 5099765008** Collected: 06/23/14 12:50 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	101	1		07/04/14 00:39	107-13-1	
Benzene	ND	ug/kg	5.1	1		07/04/14 00:39	71-43-2	
Bromobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	108-86-1	
Bromochloromethane	ND	ug/kg	5.1	1		07/04/14 00:39	74-97-5	
Bromodichloromethane	ND	ug/kg	5.1	1		07/04/14 00:39	75-27-4	
Bromoform	ND	ug/kg	5.1	1		07/04/14 00:39	75-25-2	
Bromomethane	ND	ug/kg	5.1	1		07/04/14 00:39	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.3	1		07/04/14 00:39	78-93-3	
n-Butylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	98-06-6	
Carbon disulfide	ND	ug/kg	10.1	1		07/04/14 00:39	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.1	1		07/04/14 00:39	56-23-5	
Chlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	108-90-7	
Chloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	75-00-3	
Chloroform	ND	ug/kg	5.1	1		07/04/14 00:39	67-66-3	
Chloromethane	ND	ug/kg	5.1	1		07/04/14 00:39	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.1	1		07/04/14 00:39	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.1	1		07/04/14 00:39	106-43-4	
Dibromochloromethane	ND	ug/kg	5.1	1		07/04/14 00:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.1	1		07/04/14 00:39	106-93-4	
Dibromomethane	ND	ug/kg	5.1	1		07/04/14 00:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	101	1		07/04/14 00:39	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.1	1		07/04/14 00:39	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.1	1		07/04/14 00:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/04/14 00:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.1	1		07/04/14 00:39	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.1	1		07/04/14 00:39	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.1	1		07/04/14 00:39	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.1	1		07/04/14 00:39	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.1	1		07/04/14 00:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/04/14 00:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.1	1		07/04/14 00:39	10061-02-6	
Ethylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	100-41-4	
Ethyl methacrylate	ND	ug/kg	101	1		07/04/14 00:39	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.1	1		07/04/14 00:39	87-68-3	
n-Hexane	ND	ug/kg	5.1	1		07/04/14 00:39	110-54-3	N2
2-Hexanone	ND	ug/kg	101	1		07/04/14 00:39	591-78-6	
Iodomethane	ND	ug/kg	101	1		07/04/14 00:39	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.1	1		07/04/14 00:39	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.1	1		07/04/14 00:39	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-1 (18-20) **Lab ID: 5099765008** Collected: 06/23/14 12:50 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	20.2	1		07/04/14 00:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.3	1		07/04/14 00:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.1	1		07/04/14 00:39	1634-04-4	
Naphthalene	ND	ug/kg	5.1	1		07/04/14 00:39	91-20-3	
n-Propylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	103-65-1	
Styrene	ND	ug/kg	5.1	1		07/04/14 00:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	79-34-5	
Tetrachloroethene	ND	ug/kg	5.1	1		07/04/14 00:39	127-18-4	
Toluene	ND	ug/kg	5.1	1		07/04/14 00:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.1	1		07/04/14 00:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.1	1		07/04/14 00:39	79-00-5	
Trichloroethene	ND	ug/kg	5.1	1		07/04/14 00:39	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.1	1		07/04/14 00:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.1	1		07/04/14 00:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.1	1		07/04/14 00:39	108-67-8	
Vinyl acetate	ND	ug/kg	101	1		07/04/14 00:39	108-05-4	
Vinyl chloride	ND	ug/kg	5.1	1		07/04/14 00:39	75-01-4	
Xylene (Total)	ND	ug/kg	10.1	1		07/04/14 00:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	85-118	1		07/04/14 00:39	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		07/04/14 00:39	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	56-144	1		07/04/14 00:39	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.1**	%	0.10	1		06/26/14 15:16		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (1-3) **Lab ID: 5099765009** Collected: 06/23/14 11:45 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	1	06/27/14 12:25	07/01/14 18:53	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	79	%.	30-106	1	06/27/14 12:25	07/01/14 18:53	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7440-36-0	
Arsenic	**2.3**	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7440-38-2	
Chromium	**4.7**	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7440-47-3	
Cobalt	**2.2**	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7440-48-4	
Iron	**10100**	mg/kg	43.7	1	06/26/14 09:35	06/27/14 12:15	7439-89-6	
Lead	**3.8**	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7439-92-1	
Selenium	ND	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7782-49-2	
Thallium	**1.9**	mg/kg	0.87	1	06/26/14 09:35	06/27/14 12:15	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	83-32-9	
Acenaphthylene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	208-96-8	
Anthracene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	120-12-7	
Benzo(a)anthracene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	56-55-3	
Benzo(a)pyrene	ND	ug/kg	176	1	06/26/14 13:03	06/27/14 20:57	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	207-08-9	
Benzyl alcohol	ND	ug/kg	683	1	06/26/14 13:03	06/27/14 20:57	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	101-55-3	
Butylbenzylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	683	1	06/26/14 13:03	06/27/14 20:57	59-50-7	
4-Chloroaniline	ND	ug/kg	683	1	06/26/14 13:03	06/27/14 20:57	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	108-60-1	
2-Chloronaphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	91-58-7	
2-Chlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	7005-72-3	
Chrysene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	176	1	06/26/14 13:03	06/27/14 20:57	53-70-3	
Dibenzofuran	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	683	1	06/26/14 13:03	06/27/14 20:57	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	120-83-2	
Diethylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (1-3) **Lab ID: 5099765009** Collected: 06/23/14 11:45 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	105-67-9	
Dimethylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	131-11-3	
Di-n-butylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	606-20-2	
Di-n-octylphthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	117-81-7	
Fluoranthene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	206-44-0	
Fluorene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	87-68-3	
Hexachlorobenzene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	77-47-4	
Hexachloroethane	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	193-39-5	
Isophorone	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	78-59-1	
2-Methylnaphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	683	1	06/26/14 13:03	06/27/14 20:57		
Naphthalene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	91-20-3	
2-Nitroaniline	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	88-74-4	
3-Nitroaniline	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	99-09-2	
4-Nitroaniline	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	100-01-6	
Nitrobenzene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	98-95-3	
2-Nitrophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	88-75-5	
4-Nitrophenol	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	86-30-6	
Pentachlorophenol	ND	ug/kg	1660	1	06/26/14 13:03	06/27/14 20:57	87-86-5	
Phenanthrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	85-01-8	
Phenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	108-95-2	
Pyrene	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	341	1	06/26/14 13:03	06/27/14 20:57	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%.	28-101	1	06/26/14 13:03	06/27/14 20:57	4165-60-0	
2-Fluorobiphenyl (S)	76	%.	31-94	1	06/26/14 13:03	06/27/14 20:57	321-60-8	
p-Terphenyl-d14 (S)	95	%.	26-110	1	06/26/14 13:03	06/27/14 20:57	1718-51-0	
Phenol-d5 (S)	77	%.	28-101	1	06/26/14 13:03	06/27/14 20:57	4165-62-2	
2-Fluorophenol (S)	75	%.	24-104	1	06/26/14 13:03	06/27/14 20:57	367-12-4	
2,4,6-Tribromophenol (S)	80	%.	16-122	1	06/26/14 13:03	06/27/14 20:57	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		07/04/14 01:06	67-64-1	
Acrolein	ND	ug/kg	105	1		07/04/14 01:06	107-02-8	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (1-3) **Lab ID: 5099765009** Collected: 06/23/14 11:45 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	105	1		07/04/14 01:06	107-13-1	
Benzene	ND	ug/kg	5.2	1		07/04/14 01:06	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		07/04/14 01:06	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		07/04/14 01:06	75-27-4	
Bromoform	ND	ug/kg	5.2	1		07/04/14 01:06	75-25-2	
Bromomethane	ND	ug/kg	5.2	1		07/04/14 01:06	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.1	1		07/04/14 01:06	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	98-06-6	
Carbon disulfide	ND	ug/kg	10.5	1		07/04/14 01:06	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1		07/04/14 01:06	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	108-90-7	
Chloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	75-00-3	
Chloroform	ND	ug/kg	5.2	1		07/04/14 01:06	67-66-3	
Chloromethane	ND	ug/kg	5.2	1		07/04/14 01:06	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		07/04/14 01:06	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		07/04/14 01:06	106-43-4	
Dibromochloromethane	ND	ug/kg	5.2	1		07/04/14 01:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		07/04/14 01:06	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		07/04/14 01:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	105	1		07/04/14 01:06	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.2	1		07/04/14 01:06	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 01:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 01:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 01:06	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 01:06	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 01:06	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 01:06	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 01:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 01:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 01:06	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	100-41-4	
Ethyl methacrylate	ND	ug/kg	105	1		07/04/14 01:06	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		07/04/14 01:06	87-68-3	
n-Hexane	ND	ug/kg	5.2	1		07/04/14 01:06	110-54-3	N2
2-Hexanone	ND	ug/kg	105	1		07/04/14 01:06	591-78-6	
Iodomethane	ND	ug/kg	105	1		07/04/14 01:06	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		07/04/14 01:06	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		07/04/14 01:06	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (1-3) **Lab ID: 5099765009** Collected: 06/23/14 11:45 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	20.9	1		07/04/14 01:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.1	1		07/04/14 01:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		07/04/14 01:06	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		07/04/14 01:06	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	103-65-1	
Styrene	ND	ug/kg	5.2	1		07/04/14 01:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		07/04/14 01:06	127-18-4	
Toluene	ND	ug/kg	5.2	1		07/04/14 01:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		07/04/14 01:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		07/04/14 01:06	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		07/04/14 01:06	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		07/04/14 01:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		07/04/14 01:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		07/04/14 01:06	108-67-8	
Vinyl acetate	ND	ug/kg	105	1		07/04/14 01:06	108-05-4	
Vinyl chloride	ND	ug/kg	5.2	1		07/04/14 01:06	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		07/04/14 01:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%.	85-118	1		07/04/14 01:06	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		07/04/14 01:06	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	56-144	1		07/04/14 01:06	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**4.0**	%	0.10	1		06/26/14 15:16		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (11-13) **Lab ID: 5099765010** Collected: 06/23/14 12:00 Received: 06/24/14 12:10 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	06/27/14 12:25	07/01/14 18:59	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	1	06/27/14 12:25	07/01/14 18:59	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	80	%.	30-106	1	06/27/14 12:25	07/01/14 18:59	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7440-36-0	
Arsenic	**2.8**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7440-38-2	
Chromium	**4.5**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7440-47-3	
Cobalt	**1.2**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7440-48-4	
Iron	**5410**	mg/kg	50.3	1	06/26/14 09:35	06/27/14 12:17	7439-89-6	
Lead	**2.9**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7439-92-1	
Selenium	ND	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7782-49-2	
Thallium	**2.8**	mg/kg	1.0	1	06/26/14 09:35	06/27/14 12:17	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	83-32-9	
Acenaphthylene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	208-96-8	
Anthracene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	120-12-7	
Benzo(a)anthracene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	56-55-3	
Benzo(a)pyrene	ND	ug/kg	189	1	06/26/14 13:03	06/27/14 21:20	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	207-08-9	
Benzyl alcohol	ND	ug/kg	734	1	06/26/14 13:03	06/27/14 21:20	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	101-55-3	
Butylbenzylphthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	734	1	06/26/14 13:03	06/27/14 21:20	59-50-7	
4-Chloroaniline	ND	ug/kg	734	1	06/26/14 13:03	06/27/14 21:20	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	108-60-1	
2-Chloronaphthalene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	91-58-7	
2-Chlorophenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	7005-72-3	
Chrysene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	189	1	06/26/14 13:03	06/27/14 21:20	53-70-3	
Dibenzofuran	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	734	1	06/26/14 13:03	06/27/14 21:20	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	120-83-2	
Diethylphthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (11-13) **Lab ID: 5099765010** Collected: 06/23/14 12:00 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	105-67-9	
Dimethylphthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	131-11-3	
Di-n-butylphthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	606-20-2	
Di-n-octylphthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	117-81-7	
Fluoranthene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	206-44-0	
Fluorene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	87-68-3	
Hexachlorobenzene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	77-47-4	
Hexachloroethane	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	193-39-5	
Isophorone	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	78-59-1	
2-Methylnaphthalene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	734	1	06/26/14 13:03	06/27/14 21:20		
Naphthalene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	91-20-3	
2-Nitroaniline	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	88-74-4	
3-Nitroaniline	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	99-09-2	
4-Nitroaniline	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	100-01-6	
Nitrobenzene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	98-95-3	
2-Nitrophenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	88-75-5	
4-Nitrophenol	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	86-30-6	
Pentachlorophenol	ND	ug/kg	1780	1	06/26/14 13:03	06/27/14 21:20	87-86-5	
Phenanthrene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	85-01-8	
Phenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	108-95-2	
Pyrene	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	367	1	06/26/14 13:03	06/27/14 21:20	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	71	%.	28-101	1	06/26/14 13:03	06/27/14 21:20	4165-60-0	
2-Fluorobiphenyl (S)	70	%.	31-94	1	06/26/14 13:03	06/27/14 21:20	321-60-8	
p-Terphenyl-d14 (S)	79	%.	26-110	1	06/26/14 13:03	06/27/14 21:20	1718-51-0	
Phenol-d5 (S)	75	%.	28-101	1	06/26/14 13:03	06/27/14 21:20	4165-62-2	
2-Fluorophenol (S)	72	%.	24-104	1	06/26/14 13:03	06/27/14 21:20	367-12-4	
2,4,6-Tribromophenol (S)	76	%.	16-122	1	06/26/14 13:03	06/27/14 21:20	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	107	1		07/04/14 01:34	67-64-1	
Acrolein	ND	ug/kg	107	1		07/04/14 01:34	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (11-13) **Lab ID: 5099765010** Collected: 06/23/14 12:00 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	107	1		07/04/14 01:34	107-13-1	
Benzene	ND	ug/kg	5.3	1		07/04/14 01:34	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/04/14 01:34	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/04/14 01:34	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/04/14 01:34	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		07/04/14 01:34	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.7	1		07/04/14 01:34	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	98-06-6	
Carbon disulfide	ND	ug/kg	10.7	1		07/04/14 01:34	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/04/14 01:34	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/04/14 01:34	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		07/04/14 01:34	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 01:34	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 01:34	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		07/04/14 01:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/04/14 01:34	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/04/14 01:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	107	1		07/04/14 01:34	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		07/04/14 01:34	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 01:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 01:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 01:34	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 01:34	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 01:34	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 01:34	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 01:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 01:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 01:34	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	100-41-4	
Ethyl methacrylate	ND	ug/kg	107	1		07/04/14 01:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/04/14 01:34	87-68-3	
n-Hexane	ND	ug/kg	5.3	1		07/04/14 01:34	110-54-3	N2
2-Hexanone	ND	ug/kg	107	1		07/04/14 01:34	591-78-6	
Iodomethane	ND	ug/kg	107	1		07/04/14 01:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/04/14 01:34	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/04/14 01:34	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-1 (11-13) **Lab ID: 5099765010** Collected: 06/23/14 12:00 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	21.4	1		07/04/14 01:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.7	1		07/04/14 01:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/04/14 01:34	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/04/14 01:34	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/04/14 01:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/04/14 01:34	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/04/14 01:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 01:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 01:34	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/04/14 01:34	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/04/14 01:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/04/14 01:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 01:34	108-67-8	
Vinyl acetate	ND	ug/kg	107	1		07/04/14 01:34	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		07/04/14 01:34	75-01-4	
Xylene (Total)	ND	ug/kg	10.7	1		07/04/14 01:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%.	85-118	1		07/04/14 01:34	1868-53-7	
Toluene-d8 (S)	94	%.	71-128	1		07/04/14 01:34	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	56-144	1		07/04/14 01:34	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.0**	%	0.10	1		06/26/14 15:16		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (1-3) **Lab ID: 5099765011** Collected: 06/23/14 10:40 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	113	1	07/07/14 09:50	07/08/14 16:45	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	64	%.	30-106	1	07/07/14 09:50	07/08/14 16:45	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	**1.2**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7440-36-0	
Arsenic	**24.2**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7440-38-2	
Chromium	**28.7**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7440-47-3	
Cobalt	**7.9**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7440-48-4	
Iron	**90000**	mg/kg	545	10	06/26/14 09:35	06/27/14 13:28	7439-89-6	
Lead	**21.8**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7782-49-2	
Thallium	**3.1**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:19	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	83-32-9	
Acenaphthylene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	208-96-8	
Anthracene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	120-12-7	
Benzo(a)anthracene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	56-55-3	
Benzo(a)pyrene	ND	ug/kg	961	5	07/01/14 11:55	07/01/14 20:29	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	207-08-9	
Benzyl alcohol	ND	ug/kg	3730	5	07/01/14 11:55	07/01/14 20:29	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	101-55-3	
Butylbenzylphthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	3730	5	07/01/14 11:55	07/01/14 20:29	59-50-7	
4-Chloroaniline	ND	ug/kg	3730	5	07/01/14 11:55	07/01/14 20:29	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	108-60-1	
2-Chloronaphthalene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	91-58-7	
2-Chlorophenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	7005-72-3	
Chrysene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	961	5	07/01/14 11:55	07/01/14 20:29	53-70-3	
Dibenzofuran	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	3730	5	07/01/14 11:55	07/01/14 20:29	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	120-83-2	
Diethylphthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (1-3) **Lab ID: 5099765011** Collected: 06/23/14 10:40 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	105-67-9	
Dimethylphthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	131-11-3	
Di-n-butylphthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	606-20-2	
Di-n-octylphthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	117-81-7	
Fluoranthene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	206-44-0	
Fluorene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	87-68-3	
Hexachlorobenzene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	77-47-4	
Hexachloroethane	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	193-39-5	
Isophorone	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	78-59-1	
2-Methylnaphthalene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	3730	5	07/01/14 11:55	07/01/14 20:29		
Naphthalene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	91-20-3	
2-Nitroaniline	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	88-74-4	
3-Nitroaniline	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	99-09-2	
4-Nitroaniline	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	100-01-6	
Nitrobenzene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	98-95-3	
2-Nitrophenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	88-75-5	
4-Nitrophenol	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	86-30-6	
Pentachlorophenol	ND	ug/kg	9040	5	07/01/14 11:55	07/01/14 20:29	87-86-5	
Phenanthrene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	85-01-8	
Phenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	108-95-2	1d
Pyrene	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	1870	5	07/01/14 11:55	07/01/14 20:29	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	55	%.	28-101	5	07/01/14 11:55	07/01/14 20:29	4165-60-0	
2-Fluorobiphenyl (S)	55	%.	31-94	5	07/01/14 11:55	07/01/14 20:29	321-60-8	
p-Terphenyl-d14 (S)	66	%.	26-110	5	07/01/14 11:55	07/01/14 20:29	1718-51-0	
Phenol-d5 (S)	55	%.	28-101	5	07/01/14 11:55	07/01/14 20:29	4165-62-2	
2-Fluorophenol (S)	53	%.	24-104	5	07/01/14 11:55	07/01/14 20:29	367-12-4	
2,4,6-Tribromophenol (S)	46	%.	16-122	5	07/01/14 11:55	07/01/14 20:29	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	207	1		07/04/14 02:01	67-64-1	
Acrolein	ND	ug/kg	207	1		07/04/14 02:01	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (1-3) **Lab ID: 5099765011** Collected: 06/23/14 10:40 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	207	1		07/04/14 02:01	107-13-1	
Benzene	ND	ug/kg	10.4	1		07/04/14 02:01	71-43-2	
Bromobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	108-86-1	
Bromochloromethane	ND	ug/kg	10.4	1		07/04/14 02:01	74-97-5	
Bromodichloromethane	ND	ug/kg	10.4	1		07/04/14 02:01	75-27-4	
Bromoform	ND	ug/kg	10.4	1		07/04/14 02:01	75-25-2	
Bromomethane	ND	ug/kg	10.4	1		07/04/14 02:01	74-83-9	
2-Butanone (MEK)	ND	ug/kg	51.8	1		07/04/14 02:01	78-93-3	
n-Butylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	104-51-8	
sec-Butylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	135-98-8	
tert-Butylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	98-06-6	
Carbon disulfide	ND	ug/kg	20.7	1		07/04/14 02:01	75-15-0	
Carbon tetrachloride	ND	ug/kg	10.4	1		07/04/14 02:01	56-23-5	
Chlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	108-90-7	
Chloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	75-00-3	
Chloroform	ND	ug/kg	10.4	1		07/04/14 02:01	67-66-3	
Chloromethane	ND	ug/kg	10.4	1		07/04/14 02:01	74-87-3	
2-Chlorotoluene	ND	ug/kg	10.4	1		07/04/14 02:01	95-49-8	
4-Chlorotoluene	ND	ug/kg	10.4	1		07/04/14 02:01	106-43-4	
Dibromochloromethane	ND	ug/kg	10.4	1		07/04/14 02:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	10.4	1		07/04/14 02:01	106-93-4	
Dibromomethane	ND	ug/kg	10.4	1		07/04/14 02:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	207	1		07/04/14 02:01	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	10.4	1		07/04/14 02:01	75-71-8	
1,1-Dichloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	75-34-3	
1,2-Dichloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	107-06-2	
1,1-Dichloroethene	ND	ug/kg	10.4	1		07/04/14 02:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	10.4	1		07/04/14 02:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	10.4	1		07/04/14 02:01	156-60-5	
1,2-Dichloropropane	ND	ug/kg	10.4	1		07/04/14 02:01	78-87-5	
1,3-Dichloropropane	ND	ug/kg	10.4	1		07/04/14 02:01	142-28-9	
2,2-Dichloropropane	ND	ug/kg	10.4	1		07/04/14 02:01	594-20-7	
1,1-Dichloropropene	ND	ug/kg	10.4	1		07/04/14 02:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	10.4	1		07/04/14 02:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	10.4	1		07/04/14 02:01	10061-02-6	
Ethylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	100-41-4	
Ethyl methacrylate	ND	ug/kg	207	1		07/04/14 02:01	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	10.4	1		07/04/14 02:01	87-68-3	
n-Hexane	ND	ug/kg	10.4	1		07/04/14 02:01	110-54-3	N2
2-Hexanone	ND	ug/kg	207	1		07/04/14 02:01	591-78-6	
Iodomethane	ND	ug/kg	207	1		07/04/14 02:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	10.4	1		07/04/14 02:01	98-82-8	
p-Isopropyltoluene	ND	ug/kg	10.4	1		07/04/14 02:01	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (1-3) **Lab ID: 5099765011** Collected: 06/23/14 10:40 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	41.5	1		07/04/14 02:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	51.8	1		07/04/14 02:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	10.4	1		07/04/14 02:01	1634-04-4	
Naphthalene	ND	ug/kg	10.4	1		07/04/14 02:01	91-20-3	
n-Propylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	103-65-1	
Styrene	ND	ug/kg	10.4	1		07/04/14 02:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	79-34-5	
Tetrachloroethene	ND	ug/kg	10.4	1		07/04/14 02:01	127-18-4	
Toluene	ND	ug/kg	10.4	1		07/04/14 02:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	10.4	1		07/04/14 02:01	120-82-1	
1,1,1-Trichloroethane	**248**	ug/kg	10.4	1		07/04/14 02:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	10.4	1		07/04/14 02:01	79-00-5	
Trichloroethene	ND	ug/kg	10.4	1		07/04/14 02:01	79-01-6	
Trichlorofluoromethane	ND	ug/kg	10.4	1		07/04/14 02:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	10.4	1		07/04/14 02:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	10.4	1		07/04/14 02:01	108-67-8	
Vinyl acetate	ND	ug/kg	207	1		07/04/14 02:01	108-05-4	
Vinyl chloride	ND	ug/kg	10.4	1		07/04/14 02:01	75-01-4	
Xylene (Total)	ND	ug/kg	20.7	1		07/04/14 02:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	117	%.	85-118	1		07/04/14 02:01	1868-53-7	
Toluene-d8 (S)	97	%.	71-128	1		07/04/14 02:01	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	1		07/04/14 02:01	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.7**	%	0.10	1		06/26/14 15:16		
7196 Chromium, Hexavalent	Analytical Method: EPA 7196A Preparation Method: EPA 3060A							
Chromium, Hexavalent	ND	mg/kg	2.3	1	07/16/14 06:49	07/17/14 09:33	18540-29-9	
Trivalent Chromium Calculation	Analytical Method: Trivalent Chromium Calculation							
Chromium, Trivalent	**28.7**	mg/kg	1.0	1		07/17/14 13:37	16065-83-1	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (10-12) **Lab ID: 5099765012** Collected: 06/23/14 11:00 Received: 06/24/14 12:10 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	102	1	06/27/14 12:25	07/01/14 19:11	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	102	1	06/27/14 12:25	07/01/14 19:11	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	88	%.	30-106	1	06/27/14 12:25	07/01/14 19:11	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7440-36-0	
Arsenic	**2.2**	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7440-38-2	
Chromium	**3.9**	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7440-47-3	
Cobalt	**1.3**	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7440-48-4	
Iron	**4420**	mg/kg	46.8	1	06/26/14 09:35	06/27/14 12:21	7439-89-6	
Lead	**3.6**	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7439-92-1	
Selenium	ND	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7782-49-2	
Thallium	**1.9**	mg/kg	0.94	1	06/26/14 09:35	06/27/14 12:21	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	83-32-9	
Acenaphthylene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	208-96-8	
Anthracene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	120-12-7	
Benzo(a)anthracene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	56-55-3	
Benzo(a)pyrene	ND	ug/kg	175	1	06/26/14 13:03	06/27/14 22:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	207-08-9	
Benzyl alcohol	ND	ug/kg	681	1	06/26/14 13:03	06/27/14 22:05	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	101-55-3	
Butylbenzylphthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	681	1	06/26/14 13:03	06/27/14 22:05	59-50-7	
4-Chloroaniline	ND	ug/kg	681	1	06/26/14 13:03	06/27/14 22:05	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	108-60-1	
2-Chloronaphthalene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	91-58-7	
2-Chlorophenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	7005-72-3	
Chrysene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	175	1	06/26/14 13:03	06/27/14 22:05	53-70-3	
Dibenzofuran	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	681	1	06/26/14 13:03	06/27/14 22:05	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	120-83-2	
Diethylphthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (10-12) **Lab ID: 5099765012** Collected: 06/23/14 11:00 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	105-67-9	
Dimethylphthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	131-11-3	
Di-n-butylphthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	606-20-2	
Di-n-octylphthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	117-81-7	
Fluoranthene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	206-44-0	
Fluorene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	87-68-3	
Hexachlorobenzene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	77-47-4	
Hexachloroethane	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	193-39-5	
Isophorone	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	78-59-1	
2-Methylnaphthalene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	681	1	06/26/14 13:03	06/27/14 22:05		
Naphthalene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	91-20-3	
2-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	88-74-4	
3-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	99-09-2	
4-Nitroaniline	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	100-01-6	
Nitrobenzene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	98-95-3	
2-Nitrophenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	88-75-5	
4-Nitrophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	86-30-6	
Pentachlorophenol	ND	ug/kg	1650	1	06/26/14 13:03	06/27/14 22:05	87-86-5	
Phenanthrene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	85-01-8	
Phenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	108-95-2	
Pyrene	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	340	1	06/26/14 13:03	06/27/14 22:05	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%.	28-101	1	06/26/14 13:03	06/27/14 22:05	4165-60-0	
2-Fluorobiphenyl (S)	83	%.	31-94	1	06/26/14 13:03	06/27/14 22:05	321-60-8	
p-Terphenyl-d14 (S)	102	%.	26-110	1	06/26/14 13:03	06/27/14 22:05	1718-51-0	
Phenol-d5 (S)	87	%.	28-101	1	06/26/14 13:03	06/27/14 22:05	4165-62-2	
2-Fluorophenol (S)	84	%.	24-104	1	06/26/14 13:03	06/27/14 22:05	367-12-4	
2,4,6-Tribromophenol (S)	92	%.	16-122	1	06/26/14 13:03	06/27/14 22:05	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	105	1		07/04/14 02:28	67-64-1	
Acrolein	ND	ug/kg	105	1		07/04/14 02:28	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (10-12) **Lab ID: 5099765012** Collected: 06/23/14 11:00 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	105	1		07/04/14 02:28	107-13-1	
Benzene	ND	ug/kg	5.3	1		07/04/14 02:28	71-43-2	
Bromobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	108-86-1	
Bromochloromethane	ND	ug/kg	5.3	1		07/04/14 02:28	74-97-5	
Bromodichloromethane	ND	ug/kg	5.3	1		07/04/14 02:28	75-27-4	
Bromoform	ND	ug/kg	5.3	1		07/04/14 02:28	75-25-2	
Bromomethane	ND	ug/kg	5.3	1		07/04/14 02:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	26.4	1		07/04/14 02:28	78-93-3	
n-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	98-06-6	
Carbon disulfide	ND	ug/kg	10.5	1		07/04/14 02:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.3	1		07/04/14 02:28	56-23-5	
Chlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	108-90-7	
Chloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	75-00-3	
Chloroform	ND	ug/kg	5.3	1		07/04/14 02:28	67-66-3	
Chloromethane	ND	ug/kg	5.3	1		07/04/14 02:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 02:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.3	1		07/04/14 02:28	106-43-4	
Dibromochloromethane	ND	ug/kg	5.3	1		07/04/14 02:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.3	1		07/04/14 02:28	106-93-4	
Dibromomethane	ND	ug/kg	5.3	1		07/04/14 02:28	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	105	1		07/04/14 02:28	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.3	1		07/04/14 02:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 02:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 02:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.3	1		07/04/14 02:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 02:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 02:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.3	1		07/04/14 02:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 02:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 02:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.3	1		07/04/14 02:28	10061-02-6	
Ethylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	100-41-4	
Ethyl methacrylate	ND	ug/kg	105	1		07/04/14 02:28	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.3	1		07/04/14 02:28	87-68-3	
n-Hexane	ND	ug/kg	5.3	1		07/04/14 02:28	110-54-3	N2
2-Hexanone	ND	ug/kg	105	1		07/04/14 02:28	591-78-6	
Iodomethane	ND	ug/kg	105	1		07/04/14 02:28	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.3	1		07/04/14 02:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.3	1		07/04/14 02:28	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: TMW-8 (10-12) **Lab ID: 5099765012** Collected: 06/23/14 11:00 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	21.1	1		07/04/14 02:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	26.4	1		07/04/14 02:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.3	1		07/04/14 02:28	1634-04-4	
Naphthalene	ND	ug/kg	5.3	1		07/04/14 02:28	91-20-3	
n-Propylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	103-65-1	
Styrene	ND	ug/kg	5.3	1		07/04/14 02:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	79-34-5	
Tetrachloroethene	ND	ug/kg	5.3	1		07/04/14 02:28	127-18-4	
Toluene	ND	ug/kg	5.3	1		07/04/14 02:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.3	1		07/04/14 02:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.3	1		07/04/14 02:28	79-00-5	
Trichloroethene	ND	ug/kg	5.3	1		07/04/14 02:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.3	1		07/04/14 02:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.3	1		07/04/14 02:28	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.3	1		07/04/14 02:28	108-67-8	
Vinyl acetate	ND	ug/kg	105	1		07/04/14 02:28	108-05-4	
Vinyl chloride	ND	ug/kg	5.3	1		07/04/14 02:28	75-01-4	
Xylene (Total)	ND	ug/kg	10.5	1		07/04/14 02:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	116	%.	85-118	1		07/04/14 02:28	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/04/14 02:28	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	56-144	1		07/04/14 02:28	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**3.0**	%	0.10	1		06/26/14 15:17		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (1-3) **Lab ID: 5099765013** Collected: 06/23/14 10:10 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	109	1	06/27/14 12:25	07/01/14 19:16	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	74	%.	30-106	1	06/27/14 12:25	07/01/14 19:16	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7440-36-0	
Arsenic	**2.1**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7440-38-2	
Chromium	**5.4**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7440-47-3	
Cobalt	**2.0**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7440-48-4	
Iron	**5250**	mg/kg	49.2	1	06/26/14 09:35	06/27/14 12:23	7439-89-6	
Lead	**3.4**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7439-92-1	
Selenium	ND	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7782-49-2	
Thallium	**2.5**	mg/kg	0.98	1	06/26/14 09:35	06/27/14 12:23	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	83-32-9	
Acenaphthylene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	208-96-8	
Anthracene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	120-12-7	
Benzo(a)anthracene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	56-55-3	
Benzo(a)pyrene	ND	ug/kg	182	1	06/26/14 13:03	06/27/14 22:27	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	207-08-9	
Benzyl alcohol	ND	ug/kg	708	1	06/26/14 13:03	06/27/14 22:27	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	101-55-3	
Butylbenzylphthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	708	1	06/26/14 13:03	06/27/14 22:27	59-50-7	
4-Chloroaniline	ND	ug/kg	708	1	06/26/14 13:03	06/27/14 22:27	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	108-60-1	
2-Chloronaphthalene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	91-58-7	
2-Chlorophenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	7005-72-3	
Chrysene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	182	1	06/26/14 13:03	06/27/14 22:27	53-70-3	
Dibenzofuran	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	708	1	06/26/14 13:03	06/27/14 22:27	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	120-83-2	
Diethylphthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (1-3) **Lab ID: 5099765013** Collected: 06/23/14 10:10 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	105-67-9	
Dimethylphthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	131-11-3	
Di-n-butylphthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	606-20-2	
Di-n-octylphthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	117-81-7	
Fluoranthene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	206-44-0	
Fluorene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	87-68-3	
Hexachlorobenzene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	77-47-4	
Hexachloroethane	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	193-39-5	
Isophorone	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	78-59-1	
2-Methylnaphthalene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	708	1	06/26/14 13:03	06/27/14 22:27		
Naphthalene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	91-20-3	
2-Nitroaniline	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	88-74-4	
3-Nitroaniline	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	99-09-2	
4-Nitroaniline	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	100-01-6	
Nitrobenzene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	98-95-3	
2-Nitrophenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	88-75-5	
4-Nitrophenol	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	86-30-6	
Pentachlorophenol	ND	ug/kg	1720	1	06/26/14 13:03	06/27/14 22:27	87-86-5	
Phenanthrene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	85-01-8	
Phenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	108-95-2	
Pyrene	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	354	1	06/26/14 13:03	06/27/14 22:27	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%.	28-101	1	06/26/14 13:03	06/27/14 22:27	4165-60-0	
2-Fluorobiphenyl (S)	82	%.	31-94	1	06/26/14 13:03	06/27/14 22:27	321-60-8	
p-Terphenyl-d14 (S)	105	%.	26-110	1	06/26/14 13:03	06/27/14 22:27	1718-51-0	
Phenol-d5 (S)	86	%.	28-101	1	06/26/14 13:03	06/27/14 22:27	4165-62-2	
2-Fluorophenol (S)	83	%.	24-104	1	06/26/14 13:03	06/27/14 22:27	367-12-4	
2,4,6-Tribromophenol (S)	89	%.	16-122	1	06/26/14 13:03	06/27/14 22:27	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	87.0	1		07/04/14 02:56	67-64-1	
Acrolein	ND	ug/kg	87.0	1		07/04/14 02:56	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (1-3) **Lab ID: 5099765013** Collected: 06/23/14 10:10 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	87.0	1		07/04/14 02:56	107-13-1	
Benzene	ND	ug/kg	4.4	1		07/04/14 02:56	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		07/04/14 02:56	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		07/04/14 02:56	75-27-4	
Bromoform	ND	ug/kg	4.4	1		07/04/14 02:56	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		07/04/14 02:56	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.8	1		07/04/14 02:56	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	98-06-6	
Carbon disulfide	ND	ug/kg	8.7	1		07/04/14 02:56	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		07/04/14 02:56	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	75-00-3	
Chloroform	ND	ug/kg	4.4	1		07/04/14 02:56	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		07/04/14 02:56	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		07/04/14 02:56	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		07/04/14 02:56	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		07/04/14 02:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		07/04/14 02:56	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		07/04/14 02:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	87.0	1		07/04/14 02:56	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		07/04/14 02:56	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 02:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 02:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 02:56	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 02:56	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 02:56	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 02:56	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 02:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 02:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 02:56	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	100-41-4	
Ethyl methacrylate	ND	ug/kg	87.0	1		07/04/14 02:56	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		07/04/14 02:56	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		07/04/14 02:56	110-54-3	N2
2-Hexanone	ND	ug/kg	87.0	1		07/04/14 02:56	591-78-6	
Iodomethane	ND	ug/kg	87.0	1		07/04/14 02:56	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		07/04/14 02:56	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		07/04/14 02:56	99-87-6	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (1-3) **Lab ID: 5099765013** Collected: 06/23/14 10:10 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	17.4	1		07/04/14 02:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.8	1		07/04/14 02:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		07/04/14 02:56	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		07/04/14 02:56	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	103-65-1	
Styrene	ND	ug/kg	4.4	1		07/04/14 02:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		07/04/14 02:56	127-18-4	
Toluene	ND	ug/kg	4.4	1		07/04/14 02:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		07/04/14 02:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		07/04/14 02:56	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		07/04/14 02:56	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		07/04/14 02:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		07/04/14 02:56	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		07/04/14 02:56	108-67-8	
Vinyl acetate	ND	ug/kg	87.0	1		07/04/14 02:56	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		07/04/14 02:56	75-01-4	
Xylene (Total)	ND	ug/kg	8.7	1		07/04/14 02:56	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	114	%.	85-118	1		07/04/14 02:56	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/04/14 02:56	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	56-144	1		07/04/14 02:56	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.0**	%	0.10	1		06/26/14 15:17		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (18-20) **Lab ID: 5099765014** Collected: 06/23/14 10:30 Received: 06/24/14 12:10 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	06/30/14 10:55	07/01/14 19:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	111	1	06/30/14 10:55	07/01/14 19:40	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	78	%.	30-106	1	06/30/14 10:55	07/01/14 19:40	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7440-36-0	
Arsenic	**1.9**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7440-38-2	
Chromium	**8.8**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7440-47-3	
Cobalt	**1.6**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7440-48-4	
Iron	**4680**	mg/kg	55.7	1	06/26/14 09:35	06/27/14 12:25	7439-89-6	
Lead	**3.5**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7439-92-1	
Selenium	ND	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7782-49-2	
Thallium	**2.7**	mg/kg	1.1	1	06/26/14 09:35	06/27/14 12:25	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	83-32-9	
Acenaphthylene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	208-96-8	
Anthracene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	120-12-7	
Benzo(a)anthracene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	56-55-3	
Benzo(a)pyrene	ND	ug/kg	190	1	06/26/14 13:03	06/27/14 22:50	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	207-08-9	
Benzyl alcohol	ND	ug/kg	739	1	06/26/14 13:03	06/27/14 22:50	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	101-55-3	
Butylbenzylphthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	739	1	06/26/14 13:03	06/27/14 22:50	59-50-7	
4-Chloroaniline	ND	ug/kg	739	1	06/26/14 13:03	06/27/14 22:50	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	108-60-1	
2-Chloronaphthalene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	91-58-7	
2-Chlorophenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	7005-72-3	
Chrysene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	190	1	06/26/14 13:03	06/27/14 22:50	53-70-3	
Dibenzofuran	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	739	1	06/26/14 13:03	06/27/14 22:50	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	120-83-2	
Diethylphthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (18-20) **Lab ID: 5099765014** Collected: 06/23/14 10:30 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	105-67-9	
Dimethylphthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	131-11-3	
Di-n-butylphthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	606-20-2	
Di-n-octylphthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	117-81-7	
Fluoranthene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	206-44-0	
Fluorene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	87-68-3	
Hexachlorobenzene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	77-47-4	
Hexachloroethane	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	193-39-5	
Isophorone	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	78-59-1	
2-Methylnaphthalene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	739	1	06/26/14 13:03	06/27/14 22:50		
Naphthalene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	91-20-3	
2-Nitroaniline	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	88-74-4	
3-Nitroaniline	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	99-09-2	
4-Nitroaniline	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	100-01-6	
Nitrobenzene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	98-95-3	
2-Nitrophenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	88-75-5	
4-Nitrophenol	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	86-30-6	
Pentachlorophenol	ND	ug/kg	1790	1	06/26/14 13:03	06/27/14 22:50	87-86-5	
Phenanthrene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	85-01-8	
Phenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	108-95-2	
Pyrene	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	369	1	06/26/14 13:03	06/27/14 22:50	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%.	28-101	1	06/26/14 13:03	06/27/14 22:50	4165-60-0	
2-Fluorobiphenyl (S)	79	%.	31-94	1	06/26/14 13:03	06/27/14 22:50	321-60-8	
p-Terphenyl-d14 (S)	83	%.	26-110	1	06/26/14 13:03	06/27/14 22:50	1718-51-0	
Phenol-d5 (S)	87	%.	28-101	1	06/26/14 13:03	06/27/14 22:50	4165-62-2	
2-Fluorophenol (S)	84	%.	24-104	1	06/26/14 13:03	06/27/14 22:50	367-12-4	
2,4,6-Tribromophenol (S)	91	%.	16-122	1	06/26/14 13:03	06/27/14 22:50	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	87.1	1		07/04/14 05:12	67-64-1	
Acrolein	ND	ug/kg	87.1	1		07/04/14 05:12	107-02-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (18-20) **Lab ID: 5099765014** Collected: 06/23/14 10:30 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	87.1	1		07/04/14 05:12	107-13-1	
Benzene	ND	ug/kg	4.4	1		07/04/14 05:12	71-43-2	
Bromobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	108-86-1	
Bromochloromethane	ND	ug/kg	4.4	1		07/04/14 05:12	74-97-5	
Bromodichloromethane	ND	ug/kg	4.4	1		07/04/14 05:12	75-27-4	
Bromoform	ND	ug/kg	4.4	1		07/04/14 05:12	75-25-2	
Bromomethane	ND	ug/kg	4.4	1		07/04/14 05:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	21.8	1		07/04/14 05:12	78-93-3	
n-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	98-06-6	
Carbon disulfide	ND	ug/kg	8.7	1		07/04/14 05:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.4	1		07/04/14 05:12	56-23-5	
Chlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	108-90-7	
Chloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	75-00-3	
Chloroform	ND	ug/kg	4.4	1		07/04/14 05:12	67-66-3	
Chloromethane	ND	ug/kg	4.4	1		07/04/14 05:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.4	1		07/04/14 05:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.4	1		07/04/14 05:12	106-43-4	
Dibromochloromethane	ND	ug/kg	4.4	1		07/04/14 05:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.4	1		07/04/14 05:12	106-93-4	
Dibromomethane	ND	ug/kg	4.4	1		07/04/14 05:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	87.1	1		07/04/14 05:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	4.4	1		07/04/14 05:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 05:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 05:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.4	1		07/04/14 05:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 05:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 05:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.4	1		07/04/14 05:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 05:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 05:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.4	1		07/04/14 05:12	10061-02-6	
Ethylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	100-41-4	
Ethyl methacrylate	ND	ug/kg	87.1	1		07/04/14 05:12	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	4.4	1		07/04/14 05:12	87-68-3	
n-Hexane	ND	ug/kg	4.4	1		07/04/14 05:12	110-54-3	N2
2-Hexanone	ND	ug/kg	87.1	1		07/04/14 05:12	591-78-6	
Iodomethane	ND	ug/kg	87.1	1		07/04/14 05:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	4.4	1		07/04/14 05:12	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.4	1		07/04/14 05:12	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: P-2 (18-20) **Lab ID: 5099765014** Collected: 06/23/14 10:30 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	17.4	1		07/04/14 05:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	21.8	1		07/04/14 05:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.4	1		07/04/14 05:12	1634-04-4	
Naphthalene	ND	ug/kg	4.4	1		07/04/14 05:12	91-20-3	
n-Propylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	103-65-1	
Styrene	ND	ug/kg	4.4	1		07/04/14 05:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	79-34-5	
Tetrachloroethene	ND	ug/kg	4.4	1		07/04/14 05:12	127-18-4	
Toluene	ND	ug/kg	4.4	1		07/04/14 05:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.4	1		07/04/14 05:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.4	1		07/04/14 05:12	79-00-5	
Trichloroethene	ND	ug/kg	4.4	1		07/04/14 05:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.4	1		07/04/14 05:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.4	1		07/04/14 05:12	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.4	1		07/04/14 05:12	108-67-8	
Vinyl acetate	ND	ug/kg	87.1	1		07/04/14 05:12	108-05-4	
Vinyl chloride	ND	ug/kg	4.4	1		07/04/14 05:12	75-01-4	
Xylene (Total)	ND	ug/kg	8.7	1		07/04/14 05:12	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%.	85-118	1		07/04/14 05:12	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/04/14 05:12	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	56-144	1		07/04/14 05:12	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.3**	%	0.10	1		06/26/14 15:17		

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Subsurf-Dup **Lab ID: 5099765015** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	103	1	06/30/14 10:55	07/01/14 19:57	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	79	%.	30-106	1	06/30/14 10:55	07/01/14 19:57	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Antimony	ND	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7440-36-0	
Arsenic	**3.6**	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7440-38-2	
Chromium	**3.1**	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7440-47-3	
Cobalt	**1.1**	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7440-48-4	
Iron	**5410**	mg/kg	47.8	1	06/26/14 09:35	06/27/14 12:27	7439-89-6	
Lead	**6.1**	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7439-92-1	
Selenium	ND	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7782-49-2	
Thallium	**2.7**	mg/kg	0.96	1	06/26/14 09:35	06/27/14 12:27	7440-28-0	
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	83-32-9	
Acenaphthylene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	208-96-8	
Anthracene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	120-12-7	
Benzo(a)anthracene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	56-55-3	
Benzo(a)pyrene	ND	ug/kg	173	1	06/26/14 13:03	06/27/14 23:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	207-08-9	
Benzyl alcohol	ND	ug/kg	673	1	06/26/14 13:03	06/27/14 23:12	100-51-6	
4-Bromophenylphenyl ether	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	101-55-3	
Butylbenzylphthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/kg	673	1	06/26/14 13:03	06/27/14 23:12	59-50-7	
4-Chloroaniline	ND	ug/kg	673	1	06/26/14 13:03	06/27/14 23:12	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	108-60-1	
2-Chloronaphthalene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	91-58-7	
2-Chlorophenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	7005-72-3	
Chrysene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	173	1	06/26/14 13:03	06/27/14 23:12	53-70-3	
Dibenzofuran	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/kg	673	1	06/26/14 13:03	06/27/14 23:12	91-94-1	
2,4-Dichlorophenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	120-83-2	
Diethylphthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	84-66-2	

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Subsurf-Dup **Lab ID: 5099765015** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SHORT LIST MICROWAVE	Analytical Method: EPA 8270 Preparation Method: EPA 3546							
2,4-Dimethylphenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	105-67-9	
Dimethylphthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	131-11-3	
Di-n-butylphthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	534-52-1	
2,4-Dinitrophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	51-28-5	
2,4-Dinitrotoluene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	121-14-2	
2,6-Dinitrotoluene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	606-20-2	
Di-n-octylphthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	117-81-7	
Fluoranthene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	206-44-0	
Fluorene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	87-68-3	
Hexachlorobenzene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	118-74-1	
Hexachlorocyclopentadiene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	77-47-4	
Hexachloroethane	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	193-39-5	
Isophorone	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	78-59-1	
2-Methylnaphthalene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/kg	673	1	06/26/14 13:03	06/27/14 23:12		
Naphthalene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	91-20-3	
2-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	88-74-4	
3-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	99-09-2	
4-Nitroaniline	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	100-01-6	
Nitrobenzene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	98-95-3	
2-Nitrophenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	88-75-5	
4-Nitrophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	621-64-7	
N-Nitrosodiphenylamine	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	86-30-6	
Pentachlorophenol	ND	ug/kg	1630	1	06/26/14 13:03	06/27/14 23:12	87-86-5	
Phenanthrene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	85-01-8	
Phenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	108-95-2	
Pyrene	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	129-00-0	
2,4,5-Trichlorophenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	95-95-4	
2,4,6-Trichlorophenol	ND	ug/kg	337	1	06/26/14 13:03	06/27/14 23:12	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	77	%.	28-101	1	06/26/14 13:03	06/27/14 23:12	4165-60-0	
2-Fluorobiphenyl (S)	79	%.	31-94	1	06/26/14 13:03	06/27/14 23:12	321-60-8	
p-Terphenyl-d14 (S)	100	%.	26-110	1	06/26/14 13:03	06/27/14 23:12	1718-51-0	
Phenol-d5 (S)	82	%.	28-101	1	06/26/14 13:03	06/27/14 23:12	4165-62-2	
2-Fluorophenol (S)	80	%.	24-104	1	06/26/14 13:03	06/27/14 23:12	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	16-122	1	06/26/14 13:03	06/27/14 23:12	118-79-6	
8260 MSV 5035A VOA	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	104	1		07/04/14 05:40	67-64-1	
Acrolein	ND	ug/kg	104	1		07/04/14 05:40	107-02-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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7726 Moller Road
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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Subsurf-Dup **Lab ID: 5099765015** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 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							
Acrylonitrile	ND	ug/kg	104	1		07/04/14 05:40	107-13-1	
Benzene	ND	ug/kg	5.2	1		07/04/14 05:40	71-43-2	
Bromobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	108-86-1	
Bromochloromethane	ND	ug/kg	5.2	1		07/04/14 05:40	74-97-5	
Bromodichloromethane	ND	ug/kg	5.2	1		07/04/14 05:40	75-27-4	
Bromoform	ND	ug/kg	5.2	1		07/04/14 05:40	75-25-2	
Bromomethane	ND	ug/kg	5.2	1		07/04/14 05:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.9	1		07/04/14 05:40	78-93-3	
n-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	98-06-6	
Carbon disulfide	ND	ug/kg	10.4	1		07/04/14 05:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.2	1		07/04/14 05:40	56-23-5	
Chlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	108-90-7	
Chloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	75-00-3	
Chloroform	ND	ug/kg	5.2	1		07/04/14 05:40	67-66-3	
Chloromethane	ND	ug/kg	5.2	1		07/04/14 05:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.2	1		07/04/14 05:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.2	1		07/04/14 05:40	106-43-4	
Dibromochloromethane	ND	ug/kg	5.2	1		07/04/14 05:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.2	1		07/04/14 05:40	106-93-4	
Dibromomethane	ND	ug/kg	5.2	1		07/04/14 05:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	104	1		07/04/14 05:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.2	1		07/04/14 05:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 05:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 05:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.2	1		07/04/14 05:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 05:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 05:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.2	1		07/04/14 05:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 05:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 05:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.2	1		07/04/14 05:40	10061-02-6	
Ethylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	100-41-4	
Ethyl methacrylate	ND	ug/kg	104	1		07/04/14 05:40	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.2	1		07/04/14 05:40	87-68-3	
n-Hexane	ND	ug/kg	5.2	1		07/04/14 05:40	110-54-3	N2
2-Hexanone	ND	ug/kg	104	1		07/04/14 05:40	591-78-6	
Iodomethane	ND	ug/kg	104	1		07/04/14 05:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	5.2	1		07/04/14 05:40	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.2	1		07/04/14 05:40	99-87-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Subsurf-Dup **Lab ID: 5099765015** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 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							
Methylene Chloride	ND	ug/kg	20.8	1		07/04/14 05:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.9	1		07/04/14 05:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.2	1		07/04/14 05:40	1634-04-4	
Naphthalene	ND	ug/kg	5.2	1		07/04/14 05:40	91-20-3	
n-Propylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	103-65-1	
Styrene	ND	ug/kg	5.2	1		07/04/14 05:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	79-34-5	
Tetrachloroethene	ND	ug/kg	5.2	1		07/04/14 05:40	127-18-4	
Toluene	ND	ug/kg	5.2	1		07/04/14 05:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.2	1		07/04/14 05:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.2	1		07/04/14 05:40	79-00-5	
Trichloroethene	ND	ug/kg	5.2	1		07/04/14 05:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.2	1		07/04/14 05:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.2	1		07/04/14 05:40	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.2	1		07/04/14 05:40	108-67-8	
Vinyl acetate	ND	ug/kg	104	1		07/04/14 05:40	108-05-4	
Vinyl chloride	ND	ug/kg	5.2	1		07/04/14 05:40	75-01-4	
Xylene (Total)	ND	ug/kg	10.4	1		07/04/14 05:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	85-118	1		07/04/14 05:40	1868-53-7	
Toluene-d8 (S)	92	%.	71-128	1		07/04/14 05:40	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	56-144	1		07/04/14 05:40	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**3.3**	%	0.10	1		06/26/14 15:17		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Trip Blank-2 **Lab ID: 5099765016** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 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		07/04/14 06:07	67-64-1	
Acrolein	ND	ug/kg	100	1		07/04/14 06:07	107-02-8	
Acrylonitrile	ND	ug/kg	100	1		07/04/14 06:07	107-13-1	
Benzene	ND	ug/kg	5.0	1		07/04/14 06:07	71-43-2	
Bromobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	108-86-1	
Bromochloromethane	ND	ug/kg	5.0	1		07/04/14 06:07	74-97-5	
Bromodichloromethane	ND	ug/kg	5.0	1		07/04/14 06:07	75-27-4	
Bromoform	ND	ug/kg	5.0	1		07/04/14 06:07	75-25-2	
Bromomethane	ND	ug/kg	5.0	1		07/04/14 06:07	74-83-9	
2-Butanone (MEK)	ND	ug/kg	25.0	1		07/04/14 06:07	78-93-3	
n-Butylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	104-51-8	
sec-Butylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	135-98-8	
tert-Butylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	98-06-6	
Carbon disulfide	ND	ug/kg	10.0	1		07/04/14 06:07	75-15-0	
Carbon tetrachloride	ND	ug/kg	5.0	1		07/04/14 06:07	56-23-5	
Chlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	108-90-7	
Chloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	75-00-3	
Chloroform	ND	ug/kg	5.0	1		07/04/14 06:07	67-66-3	
Chloromethane	ND	ug/kg	5.0	1		07/04/14 06:07	74-87-3	
2-Chlorotoluene	ND	ug/kg	5.0	1		07/04/14 06:07	95-49-8	
4-Chlorotoluene	ND	ug/kg	5.0	1		07/04/14 06:07	106-43-4	
Dibromochloromethane	ND	ug/kg	5.0	1		07/04/14 06:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	5.0	1		07/04/14 06:07	106-93-4	
Dibromomethane	ND	ug/kg	5.0	1		07/04/14 06:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	100	1		07/04/14 06:07	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	5.0	1		07/04/14 06:07	75-71-8	
1,1-Dichloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	75-34-3	
1,2-Dichloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	107-06-2	
1,1-Dichloroethene	ND	ug/kg	5.0	1		07/04/14 06:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/04/14 06:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	5.0	1		07/04/14 06:07	156-60-5	
1,2-Dichloropropane	ND	ug/kg	5.0	1		07/04/14 06:07	78-87-5	
1,3-Dichloropropane	ND	ug/kg	5.0	1		07/04/14 06:07	142-28-9	
2,2-Dichloropropane	ND	ug/kg	5.0	1		07/04/14 06:07	594-20-7	
1,1-Dichloropropene	ND	ug/kg	5.0	1		07/04/14 06:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/04/14 06:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	5.0	1		07/04/14 06:07	10061-02-6	
Ethylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	100-41-4	
Ethyl methacrylate	ND	ug/kg	100	1		07/04/14 06:07	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/kg	5.0	1		07/04/14 06:07	87-68-3	
n-Hexane	ND	ug/kg	5.0	1		07/04/14 06:07	110-54-3	N2
2-Hexanone	ND	ug/kg	100	1		07/04/14 06:07	591-78-6	
Iodomethane	ND	ug/kg	100	1		07/04/14 06:07	74-88-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley-Accucast
Pace Project No.: 5099765

Sample: Trip Blank-2 **Lab ID: 5099765016** Collected: 06/23/14 08:00 Received: 06/24/14 12:10 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		07/04/14 06:07	98-82-8	
p-Isopropyltoluene	ND	ug/kg	5.0	1		07/04/14 06:07	99-87-6	
Methylene Chloride	ND	ug/kg	20.0	1		07/04/14 06:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	25.0	1		07/04/14 06:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	5.0	1		07/04/14 06:07	1634-04-4	
Naphthalene	ND	ug/kg	5.0	1		07/04/14 06:07	91-20-3	
n-Propylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	103-65-1	
Styrene	ND	ug/kg	5.0	1		07/04/14 06:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	79-34-5	
Tetrachloroethene	ND	ug/kg	5.0	1		07/04/14 06:07	127-18-4	
Toluene	ND	ug/kg	5.0	1		07/04/14 06:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	1		07/04/14 06:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	5.0	1		07/04/14 06:07	79-00-5	
Trichloroethene	ND	ug/kg	5.0	1		07/04/14 06:07	79-01-6	
Trichlorofluoromethane	ND	ug/kg	5.0	1		07/04/14 06:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	5.0	1		07/04/14 06:07	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	1		07/04/14 06:07	108-67-8	
Vinyl acetate	ND	ug/kg	100	1		07/04/14 06:07	108-05-4	
Vinyl chloride	ND	ug/kg	5.0	1		07/04/14 06:07	75-01-4	
Xylene (Total)	ND	ug/kg	10.0	1		07/04/14 06:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	113	%.	85-118	1		07/04/14 06:07	1868-53-7	
Toluene-d8 (S)	93	%.	71-128	1		07/04/14 06:07	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	56-144	1		07/04/14 06:07	460-00-4	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: MPRP/13645 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013, 5099765014, 5099765015

METHOD BLANK: 1117278 Matrix: Solid
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013, 5099765014, 5099765015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	ND	1.0	06/27/14 11:22	
Arsenic	mg/kg	ND	1.0	06/27/14 11:22	
Chromium	mg/kg	ND	1.0	06/27/14 11:22	
Cobalt	mg/kg	ND	1.0	06/27/14 11:22	
Iron	mg/kg	ND	50.0	06/27/14 11:22	
Lead	mg/kg	ND	1.0	06/27/14 11:22	
Selenium	mg/kg	ND	1.0	06/27/14 11:22	
Thallium	mg/kg	ND	1.0	06/27/14 11:22	

LABORATORY CONTROL SAMPLE: 1117279

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	52.8	106	80-120	
Arsenic	mg/kg	50	51.6	103	80-120	
Chromium	mg/kg	50	49.8	100	80-120	
Cobalt	mg/kg	50	50.8	102	80-120	
Iron	mg/kg	500	516	103	80-120	
Lead	mg/kg	50	50.0	100	80-120	
Selenium	mg/kg	50	50.1	100	80-120	
Thallium	mg/kg	50	51.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117280 1117281

Parameter	Units	5099765001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	52.3	48.9	22.3	20.9	42	43	75-125	7	20	M3
Arsenic	mg/kg	2.0	52.3	48.9	55.2	52.0	102	102	75-125	6	20	
Chromium	mg/kg	7.4	52.3	48.9	60.4	56.8	101	101	75-125	6	20	
Cobalt	mg/kg	5.3	52.3	48.9	57.2	53.7	99	99	75-125	6	20	
Iron	mg/kg	7180	523	489	8060	8190	167	206	75-125	2	20	P6
Lead	mg/kg	5.5	52.3	48.9	56.9	53.5	98	98	75-125	6	20	
Selenium	mg/kg	ND	52.3	48.9	53.2	50.1	102	102	75-125	6	20	
Thallium	mg/kg	2.3	52.3	48.9	55.5	52.1	102	102	75-125	6	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: MSV/66435 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5099765001, 5099765002, 5099765003

METHOD BLANK: 1122264 Matrix: Solid
Associated Lab Samples: 5099765001, 5099765002, 5099765003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,1-Dichloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,1-Dichloroethene	ug/kg	ND	5.0	07/03/14 04:02	
1,1-Dichloropropene	ug/kg	ND	5.0	07/03/14 04:02	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/03/14 04:02	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/03/14 04:02	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,2-Dichloroethane	ug/kg	ND	5.0	07/03/14 04:02	
1,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 04:02	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
1,3-Dichloropropane	ug/kg	ND	5.0	07/03/14 04:02	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
2,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 04:02	
2-Butanone (MEK)	ug/kg	ND	25.0	07/03/14 04:02	
2-Chlorotoluene	ug/kg	ND	5.0	07/03/14 04:02	
2-Hexanone	ug/kg	ND	100	07/03/14 04:02	
4-Chlorotoluene	ug/kg	ND	5.0	07/03/14 04:02	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/03/14 04:02	
Acetone	ug/kg	ND	100	07/03/14 04:02	
Acrolein	ug/kg	ND	100	07/03/14 04:02	
Acrylonitrile	ug/kg	ND	100	07/03/14 04:02	
Benzene	ug/kg	ND	5.0	07/03/14 04:02	
Bromobenzene	ug/kg	ND	5.0	07/03/14 04:02	
Bromochloromethane	ug/kg	ND	5.0	07/03/14 04:02	
Bromodichloromethane	ug/kg	ND	5.0	07/03/14 04:02	
Bromoform	ug/kg	ND	5.0	07/03/14 04:02	
Bromomethane	ug/kg	ND	5.0	07/03/14 04:02	
Carbon disulfide	ug/kg	ND	10.0	07/03/14 04:02	
Carbon tetrachloride	ug/kg	ND	5.0	07/03/14 04:02	
Chlorobenzene	ug/kg	ND	5.0	07/03/14 04:02	
Chloroethane	ug/kg	ND	5.0	07/03/14 04:02	
Chloroform	ug/kg	ND	5.0	07/03/14 04:02	
Chloromethane	ug/kg	ND	5.0	07/03/14 04:02	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 04:02	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

METHOD BLANK: 1122264 Matrix: Solid
Associated Lab Samples: 5099765001, 5099765002, 5099765003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 04:02	
Dibromochloromethane	ug/kg	ND	5.0	07/03/14 04:02	
Dibromomethane	ug/kg	ND	5.0	07/03/14 04:02	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/03/14 04:02	
Ethyl methacrylate	ug/kg	ND	100	07/03/14 04:02	
Ethylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/03/14 04:02	
Iodomethane	ug/kg	ND	100	07/03/14 04:02	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/03/14 04:02	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/03/14 04:02	
Methylene Chloride	ug/kg	ND	20.0	07/03/14 04:02	
n-Butylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
n-Hexane	ug/kg	ND	5.0	07/03/14 04:02	N2
n-Propylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
Naphthalene	ug/kg	ND	5.0	07/03/14 04:02	
p-Isopropyltoluene	ug/kg	ND	5.0	07/03/14 04:02	
sec-Butylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
Styrene	ug/kg	ND	5.0	07/03/14 04:02	
tert-Butylbenzene	ug/kg	ND	5.0	07/03/14 04:02	
Tetrachloroethene	ug/kg	ND	5.0	07/03/14 04:02	
Toluene	ug/kg	ND	5.0	07/03/14 04:02	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 04:02	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 04:02	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/03/14 04:02	
Trichloroethene	ug/kg	ND	5.0	07/03/14 04:02	
Trichlorofluoromethane	ug/kg	ND	5.0	07/03/14 04:02	
Vinyl acetate	ug/kg	ND	100	07/03/14 04:02	
Vinyl chloride	ug/kg	ND	5.0	07/03/14 04:02	
Xylene (Total)	ug/kg	ND	10.0	07/03/14 04:02	
4-Bromofluorobenzene (S)	%.	106	56-144	07/03/14 04:02	
Dibromofluoromethane (S)	%.	112	85-118	07/03/14 04:02	
Toluene-d8 (S)	%.	95	71-128	07/03/14 04:02	

LABORATORY CONTROL SAMPLE: 1122265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	40.1	80	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	43.8	88	65-124	
1,1-Dichloroethene	ug/kg	50	44.4	89	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	35.0	70	67-126	
1,2-Dichloropropane	ug/kg	50	42.3	85	75-118	
Benzene	ug/kg	50	42.9	86	74-119	
Chlorobenzene	ug/kg	50	40.2	80	77-122	
Chloroform	ug/kg	50	38.8	78	75-124	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

LABORATORY CONTROL SAMPLE: 1122265

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	37.3	75	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	34.9	70	65-123	
Methyl-tert-butyl ether	ug/kg	100	84.8	85	68-120	
Naphthalene	ug/kg	50	39.8	80	67-131	
Tetrachloroethene	ug/kg	50	39.9	80	72-126	
Toluene	ug/kg	50	40.1	80	71-121	
Trichloroethene	ug/kg	50	42.4	85	74-123	
Vinyl chloride	ug/kg	50	48.0	96	55-128	
Xylene (Total)	ug/kg	150	111	74	66-124	
4-Bromofluorobenzene (S)	%.			93	56-144	
Dibromofluoromethane (S)	%.			96	85-118	
Toluene-d8 (S)	%.			102	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1122266 1122267

Parameter	Units	5099605013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	ND	51.8	47.1	39.3	43.6	76	93	26-143	10	20	
1,1,2,2-Tetrachloroethane	ug/kg	ND	51.8	47.1	37.0	38.8	71	82	10-156	5	20	
1,1-Dichloroethene	ug/kg	ND	51.8	47.1	46.3	46.3	89	98	31-146	0	20	
1,2,4-Trimethylbenzene	ug/kg	ND	51.8	47.1	11.7	29.8	23	63	10-139	87	20	R1
1,2-Dichloropropane	ug/kg	ND	51.8	47.1	39.5	41.4	76	88	29-135	5	20	
Benzene	ug/kg	ND	51.8	47.1	37.9	43.1	73	92	27-140	13	20	
Chlorobenzene	ug/kg	ND	51.8	47.1	22.6	37.1	44	79	10-136	48	20	R1
Chloroform	ug/kg	ND	51.8	47.1	38.7	39.0	75	83	36-138	1	20	
Ethylbenzene	ug/kg	ND	51.8	47.1	17.5	36.2	34	77	10-144	69	20	R1
Isopropylbenzene (Cumene)	ug/kg	ND	51.8	47.1	13.9	33.7	27	72	10-134	83	20	R1
Methyl-tert-butyl ether	ug/kg	ND	104	94	87.2	81.0	84	86	30-147	7	20	
Naphthalene	ug/kg	ND	51.8	47.1	21.2	23.2	41	49	10-130	9	20	
Tetrachloroethene	ug/kg	255	51.8	47.1	149	365	-206	232	10-153	84	20	M0,R1
Toluene	ug/kg	ND	51.8	47.1	26.6	40.7	51	86	10-140	42	20	R1
Trichloroethene	ug/kg	ND	51.8	47.1	31.2	42.9	60	91	17-148	32	20	R1
Vinyl chloride	ug/kg	ND	51.8	47.1	56.0	51.0	108	108	30-145	9	20	
Xylene (Total)	ug/kg	ND	155	141	52.5	105	34	74	10-143	66	20	R1,RS
4-Bromofluorobenzene (S)	%.						99	92	56-144			
Dibromofluoromethane (S)	%.						101	94	85-118			
Toluene-d8 (S)	%.						103	105	71-128			

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: MSV/66492 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013

METHOD BLANK: 1123194 Matrix: Solid
Associated Lab Samples: 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,1-Dichloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,1-Dichloroethene	ug/kg	ND	5.0	07/03/14 22:23	
1,1-Dichloropropene	ug/kg	ND	5.0	07/03/14 22:23	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/03/14 22:23	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/03/14 22:23	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,2-Dichloroethane	ug/kg	ND	5.0	07/03/14 22:23	
1,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 22:23	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
1,3-Dichloropropane	ug/kg	ND	5.0	07/03/14 22:23	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
2,2-Dichloropropane	ug/kg	ND	5.0	07/03/14 22:23	
2-Butanone (MEK)	ug/kg	ND	25.0	07/03/14 22:23	
2-Chlorotoluene	ug/kg	ND	5.0	07/03/14 22:23	
2-Hexanone	ug/kg	ND	100	07/03/14 22:23	
4-Chlorotoluene	ug/kg	ND	5.0	07/03/14 22:23	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/03/14 22:23	
Acetone	ug/kg	ND	100	07/03/14 22:23	
Acrolein	ug/kg	ND	100	07/03/14 22:23	
Acrylonitrile	ug/kg	ND	100	07/03/14 22:23	
Benzene	ug/kg	ND	5.0	07/03/14 22:23	
Bromobenzene	ug/kg	ND	5.0	07/03/14 22:23	
Bromochloromethane	ug/kg	ND	5.0	07/03/14 22:23	
Bromodichloromethane	ug/kg	ND	5.0	07/03/14 22:23	
Bromoform	ug/kg	ND	5.0	07/03/14 22:23	
Bromomethane	ug/kg	ND	5.0	07/03/14 22:23	
Carbon disulfide	ug/kg	ND	10.0	07/03/14 22:23	
Carbon tetrachloride	ug/kg	ND	5.0	07/03/14 22:23	
Chlorobenzene	ug/kg	ND	5.0	07/03/14 22:23	
Chloroethane	ug/kg	ND	5.0	07/03/14 22:23	
Chloroform	ug/kg	ND	5.0	07/03/14 22:23	
Chloromethane	ug/kg	ND	5.0	07/03/14 22:23	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

METHOD BLANK: 1123194 Matrix: Solid

Associated Lab Samples: 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 22:23	
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 22:23	
Dibromochloromethane	ug/kg	ND	5.0	07/03/14 22:23	
Dibromomethane	ug/kg	ND	5.0	07/03/14 22:23	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/03/14 22:23	
Ethyl methacrylate	ug/kg	ND	100	07/03/14 22:23	
Ethylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/03/14 22:23	
Iodomethane	ug/kg	ND	100	07/03/14 22:23	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/03/14 22:23	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/03/14 22:23	
Methylene Chloride	ug/kg	ND	20.0	07/03/14 22:23	
n-Butylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
n-Hexane	ug/kg	ND	5.0	07/03/14 22:23	N2
n-Propylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
Naphthalene	ug/kg	ND	5.0	07/03/14 22:23	
p-Isopropyltoluene	ug/kg	ND	5.0	07/03/14 22:23	
sec-Butylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
Styrene	ug/kg	ND	5.0	07/03/14 22:23	
tert-Butylbenzene	ug/kg	ND	5.0	07/03/14 22:23	
Tetrachloroethene	ug/kg	ND	5.0	07/03/14 22:23	
Toluene	ug/kg	ND	5.0	07/03/14 22:23	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/03/14 22:23	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/03/14 22:23	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/03/14 22:23	
Trichloroethene	ug/kg	ND	5.0	07/03/14 22:23	
Trichlorofluoromethane	ug/kg	ND	5.0	07/03/14 22:23	
Vinyl acetate	ug/kg	ND	100	07/03/14 22:23	
Vinyl chloride	ug/kg	ND	5.0	07/03/14 22:23	
Xylene (Total)	ug/kg	ND	10.0	07/03/14 22:23	
4-Bromofluorobenzene (S)	%.	106	56-144	07/03/14 22:23	
Dibromofluoromethane (S)	%.	112	85-118	07/03/14 22:23	
Toluene-d8 (S)	%.	94	71-128	07/03/14 22:23	

LABORATORY CONTROL SAMPLE: 1123195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	48.6	97	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	43.9	88	65-124	
1,1-Dichloroethene	ug/kg	50	44.6	89	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	38.7	77	67-126	
1,2-Dichloropropane	ug/kg	50	46.1	92	75-118	
Benzene	ug/kg	50	48.9	98	74-119	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

LABORATORY CONTROL SAMPLE: 1123195

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/kg	50	44.7	89	77-122	
Chloroform	ug/kg	50	43.2	86	75-124	
Ethylbenzene	ug/kg	50	43.9	88	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	46.2	92	65-123	
Methyl-tert-butyl ether	ug/kg	100	100	100	68-120	
Naphthalene	ug/kg	50	51.2	102	67-131	
Tetrachloroethene	ug/kg	50	44.8	90	72-126	
Toluene	ug/kg	50	46.6	93	71-121	
Trichloroethene	ug/kg	50	48.4	97	74-123	
Vinyl chloride	ug/kg	50	51.2	102	55-128	
Xylene (Total)	ug/kg	150	136	91	66-124	
4-Bromofluorobenzene (S)	%.			95	56-144	
Dibromofluoromethane (S)	%.			94	85-118	
Toluene-d8 (S)	%.			102	71-128	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: MSV/66496 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 5099765014, 5099765015, 5099765016

METHOD BLANK: 1123224 Matrix: Solid
Associated Lab Samples: 5099765014, 5099765015, 5099765016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,1,1-Trichloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,1,2,2-Tetrachloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,1,2-Trichloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,1-Dichloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,1-Dichloroethene	ug/kg	ND	5.0	07/04/14 04:45	
1,1-Dichloropropene	ug/kg	ND	5.0	07/04/14 04:45	
1,2,3-Trichlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,2,3-Trichloropropane	ug/kg	ND	5.0	07/04/14 04:45	
1,2,4-Trichlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,2,4-Trimethylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,2-Dibromoethane (EDB)	ug/kg	ND	5.0	07/04/14 04:45	
1,2-Dichlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,2-Dichloroethane	ug/kg	ND	5.0	07/04/14 04:45	
1,2-Dichloropropane	ug/kg	ND	5.0	07/04/14 04:45	
1,3,5-Trimethylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,3-Dichlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
1,3-Dichloropropane	ug/kg	ND	5.0	07/04/14 04:45	
1,4-Dichlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
2,2-Dichloropropane	ug/kg	ND	5.0	07/04/14 04:45	
2-Butanone (MEK)	ug/kg	ND	25.0	07/04/14 04:45	
2-Chlorotoluene	ug/kg	ND	5.0	07/04/14 04:45	
2-Hexanone	ug/kg	ND	100	07/04/14 04:45	
4-Chlorotoluene	ug/kg	ND	5.0	07/04/14 04:45	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	25.0	07/04/14 04:45	
Acetone	ug/kg	ND	100	07/04/14 04:45	
Acrolein	ug/kg	ND	100	07/04/14 04:45	
Acrylonitrile	ug/kg	ND	100	07/04/14 04:45	
Benzene	ug/kg	ND	5.0	07/04/14 04:45	
Bromobenzene	ug/kg	ND	5.0	07/04/14 04:45	
Bromochloromethane	ug/kg	ND	5.0	07/04/14 04:45	
Bromodichloromethane	ug/kg	ND	5.0	07/04/14 04:45	
Bromoform	ug/kg	ND	5.0	07/04/14 04:45	
Bromomethane	ug/kg	ND	5.0	07/04/14 04:45	
Carbon disulfide	ug/kg	ND	10.0	07/04/14 04:45	
Carbon tetrachloride	ug/kg	ND	5.0	07/04/14 04:45	
Chlorobenzene	ug/kg	ND	5.0	07/04/14 04:45	
Chloroethane	ug/kg	ND	5.0	07/04/14 04:45	
Chloroform	ug/kg	ND	5.0	07/04/14 04:45	
Chloromethane	ug/kg	ND	5.0	07/04/14 04:45	
cis-1,2-Dichloroethene	ug/kg	ND	5.0	07/04/14 04:45	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

METHOD BLANK: 1123224 Matrix: Solid
Associated Lab Samples: 5099765014, 5099765015, 5099765016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/kg	ND	5.0	07/04/14 04:45	
Dibromochloromethane	ug/kg	ND	5.0	07/04/14 04:45	
Dibromomethane	ug/kg	ND	5.0	07/04/14 04:45	
Dichlorodifluoromethane	ug/kg	ND	5.0	07/04/14 04:45	
Ethyl methacrylate	ug/kg	ND	100	07/04/14 04:45	
Ethylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
Hexachloro-1,3-butadiene	ug/kg	ND	5.0	07/04/14 04:45	
Iodomethane	ug/kg	ND	100	07/04/14 04:45	
Isopropylbenzene (Cumene)	ug/kg	ND	5.0	07/04/14 04:45	
Methyl-tert-butyl ether	ug/kg	ND	5.0	07/04/14 04:45	
Methylene Chloride	ug/kg	ND	20.0	07/04/14 04:45	
n-Butylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
n-Hexane	ug/kg	ND	5.0	07/04/14 04:45	N2
n-Propylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
Naphthalene	ug/kg	ND	5.0	07/04/14 04:45	
p-Isopropyltoluene	ug/kg	ND	5.0	07/04/14 04:45	
sec-Butylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
Styrene	ug/kg	ND	5.0	07/04/14 04:45	
tert-Butylbenzene	ug/kg	ND	5.0	07/04/14 04:45	
Tetrachloroethene	ug/kg	ND	5.0	07/04/14 04:45	
Toluene	ug/kg	ND	5.0	07/04/14 04:45	
trans-1,2-Dichloroethene	ug/kg	ND	5.0	07/04/14 04:45	
trans-1,3-Dichloropropene	ug/kg	ND	5.0	07/04/14 04:45	
trans-1,4-Dichloro-2-butene	ug/kg	ND	100	07/04/14 04:45	
Trichloroethene	ug/kg	ND	5.0	07/04/14 04:45	
Trichlorofluoromethane	ug/kg	ND	5.0	07/04/14 04:45	
Vinyl acetate	ug/kg	ND	100	07/04/14 04:45	
Vinyl chloride	ug/kg	ND	5.0	07/04/14 04:45	
Xylene (Total)	ug/kg	ND	10.0	07/04/14 04:45	
4-Bromofluorobenzene (S)	%.	107	56-144	07/04/14 04:45	
Dibromofluoromethane (S)	%.	113	85-118	07/04/14 04:45	
Toluene-d8 (S)	%.	93	71-128	07/04/14 04:45	

LABORATORY CONTROL SAMPLE: 1123225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	50	51.1	102	70-123	
1,1,2,2-Tetrachloroethane	ug/kg	50	46.6	93	65-124	
1,1-Dichloroethene	ug/kg	50	47.8	96	66-126	
1,2,4-Trimethylbenzene	ug/kg	50	38.7	77	67-126	
1,2-Dichloropropane	ug/kg	50	48.6	97	75-118	
Benzene	ug/kg	50	52.0	104	74-119	
Chlorobenzene	ug/kg	50	47.2	94	77-122	
Chloroform	ug/kg	50	46.2	92	75-124	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

LABORATORY CONTROL SAMPLE: 1123225

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Ethylbenzene	ug/kg	50	46.1	92	72-123	
Isopropylbenzene (Cumene)	ug/kg	50	48.3	97	65-123	
Methyl-tert-butyl ether	ug/kg	100	99.7	100	68-120	
Naphthalene	ug/kg	50	47.4	95	67-131	
Tetrachloroethene	ug/kg	50	47.5	95	72-126	
Toluene	ug/kg	50	50.2	100	71-121	
Trichloroethene	ug/kg	50	50.5	101	74-123	
Vinyl chloride	ug/kg	50	54.0	108	55-128	
Xylene (Total)	ug/kg	150	142	95	66-124	
4-Bromofluorobenzene (S)	%.			95	56-144	
Dibromofluoromethane (S)	%.			96	85-118	
Toluene-d8 (S)	%.			104	71-128	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: OEXT/36253 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765012, 5099765013

METHOD BLANK: 1118946 Matrix: Solid
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765012, 5099765013

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

LABORATORY CONTROL SAMPLE: 1118947

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1118948 1118949

Parameter	Units	5099765001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	186	185	138	139	74	75	10-145	1	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	186	185	133	131	71	71	16-132	1	20	
Tetrachloro-m-xylene (S)	%.						83	82	30-106			

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: OEXT/36269
QC Batch Method: EPA 3546
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099765014, 5099765015

METHOD BLANK: 1120063 Matrix: Solid
Associated Lab Samples: 5099765014, 5099765015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	07/01/14 19:28	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	07/01/14 19:28	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	07/01/14 19:28	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	07/01/14 19:28	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	07/01/14 19:28	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	07/01/14 19:28	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	07/01/14 19:28	
Tetrachloro-m-xylene (S)	%.	84	30-106	07/01/14 19:28	

LABORATORY CONTROL SAMPLE: 1120064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	137	82	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	147	88	40-106	
Tetrachloro-m-xylene (S)	%.			85	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1120065 1120066

Parameter	Units	5099765014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	187	188	141	114	75	61	10-145	21	20	R1
PCB-1260 (Aroclor 1260)	ug/kg	ND	187	188	143	126	76	67	16-132	13	20	
Tetrachloro-m-xylene (S)	%.						81	66	30-106			

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: OEXT/36332
QC Batch Method: EPA 3546
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5099765011

METHOD BLANK: 1123362
Matrix: Solid
Associated Lab Samples: 5099765011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	100	07/08/14 14:32	
PCB-1221 (Aroclor 1221)	ug/kg	ND	100	07/08/14 14:32	
PCB-1232 (Aroclor 1232)	ug/kg	ND	100	07/08/14 14:32	
PCB-1242 (Aroclor 1242)	ug/kg	ND	100	07/08/14 14:32	
PCB-1248 (Aroclor 1248)	ug/kg	ND	100	07/08/14 14:32	
PCB-1254 (Aroclor 1254)	ug/kg	ND	100	07/08/14 14:32	
PCB-1260 (Aroclor 1260)	ug/kg	ND	100	07/08/14 14:32	
Tetrachloro-m-xylene (S)	%.	79	30-106	07/08/14 14:32	

LABORATORY CONTROL SAMPLE: 1123363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	113	68	42-100	
PCB-1260 (Aroclor 1260)	ug/kg	167	122	73	40-106	
Tetrachloro-m-xylene (S)	%.			59	30-106	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: OEXT/36240 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765012, 5099765013, 5099765014, 5099765015

METHOD BLANK: 1117918 Matrix: Solid
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765012, 5099765013, 5099765014, 5099765015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	06/27/14 17:12	
2,4,6-Trichlorophenol	ug/kg	ND	330	06/27/14 17:12	
2,4-Dichlorophenol	ug/kg	ND	330	06/27/14 17:12	
2,4-Dimethylphenol	ug/kg	ND	330	06/27/14 17:12	
2,4-Dinitrophenol	ug/kg	ND	1600	06/27/14 17:12	
2,4-Dinitrotoluene	ug/kg	ND	330	06/27/14 17:12	
2,6-Dinitrotoluene	ug/kg	ND	330	06/27/14 17:12	
2-Chloronaphthalene	ug/kg	ND	330	06/27/14 17:12	
2-Chlorophenol	ug/kg	ND	330	06/27/14 17:12	
2-Methylnaphthalene	ug/kg	ND	330	06/27/14 17:12	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	06/27/14 17:12	
2-Nitroaniline	ug/kg	ND	1600	06/27/14 17:12	
2-Nitrophenol	ug/kg	ND	330	06/27/14 17:12	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	06/27/14 17:12	
3,3'-Dichlorobenzidine	ug/kg	ND	660	06/27/14 17:12	
3-Nitroaniline	ug/kg	ND	1600	06/27/14 17:12	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	06/27/14 17:12	
4-Bromophenylphenyl ether	ug/kg	ND	330	06/27/14 17:12	
4-Chloro-3-methylphenol	ug/kg	ND	660	06/27/14 17:12	
4-Chloroaniline	ug/kg	ND	660	06/27/14 17:12	
4-Chlorophenylphenyl ether	ug/kg	ND	330	06/27/14 17:12	
4-Nitroaniline	ug/kg	ND	1600	06/27/14 17:12	
4-Nitrophenol	ug/kg	ND	1600	06/27/14 17:12	
Acenaphthene	ug/kg	ND	330	06/27/14 17:12	
Acenaphthylene	ug/kg	ND	330	06/27/14 17:12	
Anthracene	ug/kg	ND	330	06/27/14 17:12	
Benzo(a)anthracene	ug/kg	ND	330	06/27/14 17:12	
Benzo(a)pyrene	ug/kg	ND	170	06/27/14 17:12	
Benzo(b)fluoranthene	ug/kg	ND	330	06/27/14 17:12	
Benzo(g,h,i)perylene	ug/kg	ND	330	06/27/14 17:12	
Benzo(k)fluoranthene	ug/kg	ND	330	06/27/14 17:12	
Benzyl alcohol	ug/kg	ND	660	06/27/14 17:12	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	06/27/14 17:12	
bis(2-Chloroethyl) ether	ug/kg	ND	330	06/27/14 17:12	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	06/27/14 17:12	
bis(2chloro1methylethyl) ether	ug/kg	ND	330	06/27/14 17:12	
Butylbenzylphthalate	ug/kg	ND	330	06/27/14 17:12	
Chrysene	ug/kg	ND	330	06/27/14 17:12	
Di-n-butylphthalate	ug/kg	ND	330	06/27/14 17:12	
Di-n-octylphthalate	ug/kg	ND	330	06/27/14 17:12	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

METHOD BLANK: 1117918 Matrix: Solid

Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765012, 5099765013, 5099765014, 5099765015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/kg	ND	170	06/27/14 17:12	
Dibenzofuran	ug/kg	ND	330	06/27/14 17:12	
Diethylphthalate	ug/kg	ND	330	06/27/14 17:12	
Dimethylphthalate	ug/kg	ND	330	06/27/14 17:12	
Fluoranthene	ug/kg	ND	330	06/27/14 17:12	
Fluorene	ug/kg	ND	330	06/27/14 17:12	
Hexachloro-1,3-butadiene	ug/kg	ND	330	06/27/14 17:12	
Hexachlorobenzene	ug/kg	ND	330	06/27/14 17:12	
Hexachlorocyclopentadiene	ug/kg	ND	330	06/27/14 17:12	
Hexachloroethane	ug/kg	ND	330	06/27/14 17:12	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	06/27/14 17:12	
Isophorone	ug/kg	ND	330	06/27/14 17:12	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	06/27/14 17:12	
N-Nitrosodiphenylamine	ug/kg	ND	330	06/27/14 17:12	
Naphthalene	ug/kg	ND	330	06/27/14 17:12	
Nitrobenzene	ug/kg	ND	330	06/27/14 17:12	
Pentachlorophenol	ug/kg	ND	1600	06/27/14 17:12	
Phenanthrene	ug/kg	ND	330	06/27/14 17:12	
Phenol	ug/kg	ND	330	06/27/14 17:12	
Pyrene	ug/kg	ND	330	06/27/14 17:12	
2,4,6-Tribromophenol (S)	%.	90	16-122	06/27/14 17:12	
2-Fluorobiphenyl (S)	%.	84	31-94	06/27/14 17:12	
2-Fluorophenol (S)	%.	83	24-104	06/27/14 17:12	
Nitrobenzene-d5 (S)	%.	82	28-101	06/27/14 17:12	
p-Terphenyl-d14 (S)	%.	109	26-110	06/27/14 17:12	
Phenol-d5 (S)	%.	83	28-101	06/27/14 17:12	

LABORATORY CONTROL SAMPLE: 1117919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	3230	97	39-103	
2-Chlorophenol	ug/kg	3330	2770	83	38-96	
2-Methylnaphthalene	ug/kg	3330	2770	83	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	3040	91	38-104	
4-Nitrophenol	ug/kg	3330	3050	92	34-104	
Acenaphthene	ug/kg	3330	2970	89	43-99	
Acenaphthylene	ug/kg	3330	2970	89	42-101	
Anthracene	ug/kg	3330	3170	95	46-107	
Benzo(a)anthracene	ug/kg	3330	3210	96	45-108	
Benzo(a)pyrene	ug/kg	3330	4520	136	47-113	L1
Benzo(b)fluoranthene	ug/kg	3330	4490	135	41-110	L1
Benzo(g,h,i)perylene	ug/kg	3330	4320	130	42-112	L1
Benzo(k)fluoranthene	ug/kg	3330	4210	126	44-107	L1

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

LABORATORY CONTROL SAMPLE: 1117919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/kg	3330	3280	98	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	4430	133	43-110	L1
Fluoranthene	ug/kg	3330	3150	94	45-105	
Fluorene	ug/kg	3330	3090	93	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	4330	130	43-111	L1
N-Nitroso-di-n-propylamine	ug/kg	3330	2900	87	37-96	
Naphthalene	ug/kg	3330	2660	80	44-100	
Pentachlorophenol	ug/kg	3330	2610	78	21-103	
Phenanthrene	ug/kg	3330	3060	92	44-104	
Phenol	ug/kg	3330	2830	85	37-101	
Pyrene	ug/kg	3330	3200	96	44-105	
2,4,6-Tribromophenol (S)	%.			96	16-122	
2-Fluorobiphenyl (S)	%.			87	31-94	
2-Fluorophenol (S)	%.			83	24-104	
Nitrobenzene-d5 (S)	%.			82	28-101	
p-Terphenyl-d14 (S)	%.			111	26-110	S0
Phenol-d5 (S)	%.			86	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117920 1117921

Parameter	Units	5099856002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	3810	3810	2970	3800	78	100	15-102	25	20	R1
2-Chlorophenol	ug/kg	ND	3810	3810	2690	3210	71	84	22-96	18	20	
2-Methylnaphthalene	ug/kg	ND	3810	3810	2710	3210	71	84	14-107	17	20	
4-Chloro-3-methylphenol	ug/kg	ND	3810	3810	2910	3610	77	95	21-105	21	20	R1
4-Nitrophenol	ug/kg	ND	3810	3810	3030	3840	80	101	12-107	23	20	R1
Acenaphthene	ug/kg	ND	3810	3810	2860	3460	75	91	19-110	19	20	
Acenaphthylene	ug/kg	ND	3810	3810	2750	3350	72	88	21-106	19	20	
Anthracene	ug/kg	ND	3810	3810	2780	3410	73	90	22-112	20	20	
Benzo(a)anthracene	ug/kg	ND	3810	3810	2730	3470	72	91	13-116	24	20	R1
Benzo(a)pyrene	ug/kg	ND	3810	3810	2690	3400	71	89	11-119	23	20	R1
Benzo(b)fluoranthene	ug/kg	ND	3810	3810	2580	3140	68	83	10-126	20	20	
Benzo(g,h,i)perylene	ug/kg	ND	3810	3810	2330	3030	61	80	10-114	26	20	R1
Benzo(k)fluoranthene	ug/kg	ND	3810	3810	2700	3450	71	91	10-117	25	20	R1
Chrysene	ug/kg	ND	3810	3810	2820	3540	74	93	14-107	23	20	R1
Dibenz(a,h)anthracene	ug/kg	ND	3810	3810	2660	3320	70	87	10-119	22	20	R1
Fluoranthene	ug/kg	ND	3810	3810	2900	3610	76	95	17-110	22	20	R1
Fluorene	ug/kg	ND	3810	3810	3120	3890	82	102	17-115	22	20	R1
Indeno(1,2,3-cd)pyrene	ug/kg	ND	3810	3810	2480	3140	65	82	11-111	23	20	R1
N-Nitroso-di-n-propylamine	ug/kg	ND	3810	3810	2790	3370	73	88	18-103	19	20	
Naphthalene	ug/kg	ND	3810	3810	2660	3130	70	82	16-102	16	20	
Pentachlorophenol	ug/kg	ND	3810	3810	2530	3430	66	90	10-100	30	20	R1
Phenanthrene	ug/kg	ND	3810	3810	2820	3520	74	92	10-128	22	20	R1
Phenol	ug/kg	ND	3810	3810	2670	3210	70	84	22-97	18	20	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1117920 1117921

Parameter	Units	5099856002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/kg	ND	3810	3810	2940	3600	77	95	10-123	20	20	
2,4,6-Tribromophenol (S)	%.						75	95	16-122			
2-Fluorobiphenyl (S)	%.						71	84	31-94			
2-Fluorophenol (S)	%.						72	85	24-104			
Nitrobenzene-d5 (S)	%.						74	86	26-98			
p-Terphenyl-d14 (S)	%.						87	104	26-110			
Phenol-d5 (S)	%.						72	87	28-101			

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: OEXT/36282
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave Short Spike
Associated Lab Samples: 5099765011

METHOD BLANK: 1120686
Matrix: Solid
Associated Lab Samples: 5099765011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/kg	ND	330	07/01/14 15:12	
2,4,6-Trichlorophenol	ug/kg	ND	330	07/01/14 15:12	
2,4-Dichlorophenol	ug/kg	ND	330	07/01/14 15:12	
2,4-Dimethylphenol	ug/kg	ND	330	07/01/14 15:12	
2,4-Dinitrophenol	ug/kg	ND	1600	07/01/14 15:12	
2,4-Dinitrotoluene	ug/kg	ND	330	07/01/14 15:12	
2,6-Dinitrotoluene	ug/kg	ND	330	07/01/14 15:12	
2-Chloronaphthalene	ug/kg	ND	330	07/01/14 15:12	
2-Chlorophenol	ug/kg	ND	330	07/01/14 15:12	
2-Methylnaphthalene	ug/kg	ND	330	07/01/14 15:12	
2-Methylphenol(o-Cresol)	ug/kg	ND	330	07/01/14 15:12	
2-Nitroaniline	ug/kg	ND	1600	07/01/14 15:12	
2-Nitrophenol	ug/kg	ND	330	07/01/14 15:12	
3&4-Methylphenol(m&p Cresol)	ug/kg	ND	660	07/01/14 15:12	
3,3'-Dichlorobenzidine	ug/kg	ND	660	07/01/14 15:12	
3-Nitroaniline	ug/kg	ND	1600	07/01/14 15:12	
4,6-Dinitro-2-methylphenol	ug/kg	ND	1600	07/01/14 15:12	
4-Bromophenylphenyl ether	ug/kg	ND	330	07/01/14 15:12	
4-Chloro-3-methylphenol	ug/kg	ND	660	07/01/14 15:12	
4-Chloroaniline	ug/kg	ND	660	07/01/14 15:12	
4-Chlorophenylphenyl ether	ug/kg	ND	330	07/01/14 15:12	
4-Nitroaniline	ug/kg	ND	1600	07/01/14 15:12	
4-Nitrophenol	ug/kg	ND	1600	07/01/14 15:12	
Acenaphthene	ug/kg	ND	330	07/01/14 15:12	
Acenaphthylene	ug/kg	ND	330	07/01/14 15:12	
Anthracene	ug/kg	ND	330	07/01/14 15:12	
Benzo(a)anthracene	ug/kg	ND	330	07/01/14 15:12	
Benzo(a)pyrene	ug/kg	ND	170	07/01/14 15:12	
Benzo(b)fluoranthene	ug/kg	ND	330	07/01/14 15:12	
Benzo(g,h,i)perylene	ug/kg	ND	330	07/01/14 15:12	
Benzo(k)fluoranthene	ug/kg	ND	330	07/01/14 15:12	
Benzyl alcohol	ug/kg	ND	660	07/01/14 15:12	
bis(2-Chloroethoxy)methane	ug/kg	ND	330	07/01/14 15:12	
bis(2-Chloroethyl) ether	ug/kg	ND	330	07/01/14 15:12	
bis(2-Ethylhexyl)phthalate	ug/kg	ND	330	07/01/14 15:12	
bis(2chloro1methylethyl) ether	ug/kg	ND	330	07/01/14 15:12	
Butylbenzylphthalate	ug/kg	ND	330	07/01/14 15:12	
Chrysene	ug/kg	ND	330	07/01/14 15:12	
Di-n-butylphthalate	ug/kg	ND	330	07/01/14 15:12	
Di-n-octylphthalate	ug/kg	ND	330	07/01/14 15:12	
Dibenz(a,h)anthracene	ug/kg	ND	170	07/01/14 15:12	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

METHOD BLANK: 1120686 Matrix: Solid
Associated Lab Samples: 5099765011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenzofuran	ug/kg	ND	330	07/01/14 15:12	
Diethylphthalate	ug/kg	ND	330	07/01/14 15:12	
Dimethylphthalate	ug/kg	ND	330	07/01/14 15:12	
Fluoranthene	ug/kg	ND	330	07/01/14 15:12	
Fluorene	ug/kg	ND	330	07/01/14 15:12	
Hexachloro-1,3-butadiene	ug/kg	ND	330	07/01/14 15:12	
Hexachlorobenzene	ug/kg	ND	330	07/01/14 15:12	
Hexachlorocyclopentadiene	ug/kg	ND	330	07/01/14 15:12	
Hexachloroethane	ug/kg	ND	330	07/01/14 15:12	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	330	07/01/14 15:12	
Isophorone	ug/kg	ND	330	07/01/14 15:12	
N-Nitroso-di-n-propylamine	ug/kg	ND	330	07/01/14 15:12	
N-Nitrosodiphenylamine	ug/kg	ND	330	07/01/14 15:12	
Naphthalene	ug/kg	ND	330	07/01/14 15:12	
Nitrobenzene	ug/kg	ND	330	07/01/14 15:12	
Pentachlorophenol	ug/kg	ND	1600	07/01/14 15:12	
Phenanthrene	ug/kg	ND	330	07/01/14 15:12	
Phenol	ug/kg	ND	330	07/01/14 15:12	
Pyrene	ug/kg	ND	330	07/01/14 15:12	
2,4,6-Tribromophenol (S)	%.	73	16-122	07/01/14 15:12	
2-Fluorobiphenyl (S)	%.	72	31-94	07/01/14 15:12	
2-Fluorophenol (S)	%.	71	24-104	07/01/14 15:12	
Nitrobenzene-d5 (S)	%.	69	28-101	07/01/14 15:12	
p-Terphenyl-d14 (S)	%.	98	26-110	07/01/14 15:12	
Phenol-d5 (S)	%.	74	28-101	07/01/14 15:12	

LABORATORY CONTROL SAMPLE: 1120687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/kg	3330	2530	76	39-103	
2-Chlorophenol	ug/kg	3330	2260	68	38-96	
2-Methylnaphthalene	ug/kg	3330	2390	72	36-94	
4-Chloro-3-methylphenol	ug/kg	3330	2490	75	38-104	
4-Nitrophenol	ug/kg	3330	2450	73	34-104	
Acenaphthene	ug/kg	3330	2540	76	43-99	
Acenaphthylene	ug/kg	3330	2450	73	42-101	
Anthracene	ug/kg	3330	2560	77	46-107	
Benzo(a)anthracene	ug/kg	3330	2580	77	45-108	
Benzo(a)pyrene	ug/kg	3330	2720	82	47-113	
Benzo(b)fluoranthene	ug/kg	3330	2340	70	41-110	
Benzo(g,h,i)perylene	ug/kg	3330	2620	79	42-112	
Benzo(k)fluoranthene	ug/kg	3330	2860	86	44-107	
Chrysene	ug/kg	3330	2690	81	43-103	
Dibenz(a,h)anthracene	ug/kg	3330	2690	81	43-110	

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

LABORATORY CONTROL SAMPLE: 1120687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Fluoranthene	ug/kg	3330	2730	82	45-105	
Fluorene	ug/kg	3330	2930	88	42-103	
Indeno(1,2,3-cd)pyrene	ug/kg	3330	2630	79	43-111	
N-Nitroso-di-n-propylamine	ug/kg	3330	2390	72	37-96	
Naphthalene	ug/kg	3330	2250	68	44-100	
Pentachlorophenol	ug/kg	3330	2300	69	21-103	
Phenanthrene	ug/kg	3330	2630	79	44-104	
Phenol	ug/kg	3330	2380	71	37-101	
Pyrene	ug/kg	3330	2770	83	44-105	
2,4,6-Tribromophenol (S)	%.			74	16-122	
2-Fluorobiphenyl (S)	%.			72	31-94	
2-Fluorophenol (S)	%.			70	24-104	
Nitrobenzene-d5 (S)	%.			68	28-101	
p-Terphenyl-d14 (S)	%.			94	26-110	
Phenol-d5 (S)	%.			73	28-101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1120688 1120689

Parameter	Units	50100101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,4-Dinitrotoluene	ug/kg	ND	4150	4160	2860	2610	69	63	15-102	9	20	
2-Chlorophenol	ug/kg	ND	4150	4160	2380	2620	57	63	22-96	9	20	
2-Methylnaphthalene	ug/kg	752	4150	4160	3510	3200	67	59	14-107	9	20	
4-Chloro-3-methylphenol	ug/kg	ND	4150	4160	2580	2770	62	67	21-105	7	20	
4-Nitrophenol	ug/kg	ND	4150	4160	3080	2960	74	71	12-107	4	20	
Acenaphthene	ug/kg	ND	4150	4160	3060	2930	74	70	19-110	4	20	
Acenaphthylene	ug/kg	ND	4150	4160	2980	2860	72	69	21-106	4	20	
Anthracene	ug/kg	ND	4150	4160	2820	2810	68	68	22-112	0	20	
Benzo(a)anthracene	ug/kg	ND	4150	4160	2800	2830	66	67	13-116	1	20	
Benzo(a)pyrene	ug/kg	ND	4150	4160	2810	2820	67	67	11-119	0	20	
Benzo(b)fluoranthene	ug/kg	ND	4150	4160	2640	2550	63	60	10-126	4	20	
Benzo(g,h,i)perylene	ug/kg	ND	4150	4160	2710	2700	65	65	10-114	0	20	
Benzo(k)fluoranthene	ug/kg	ND	4150	4160	2720	2870	64	68	10-117	5	20	
Chrysene	ug/kg	ND	4150	4160	2860	2840	67	66	14-107	1	20	
Dibenz(a,h)anthracene	ug/kg	ND	4150	4160	2770	2790	67	67	10-119	1	20	
Fluoranthene	ug/kg	ND	4150	4160	3130	3120	73	72	17-110	0	20	
Fluorene	ug/kg	ND	4150	4160	3510	3240	85	78	17-115	8	20	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	4150	4160	2700	2710	65	65	11-111	0	20	
N-Nitroso-di-n-propylamine	ug/kg	ND	4150	4160	2670	2920	64	70	18-103	9	20	
Naphthalene	ug/kg	439	4150	4160	2980	2910	61	59	16-102	2	20	
Pentachlorophenol	ug/kg	ND	4150	4160	2840	2790	69	67	10-100	2	20	
Phenanthrene	ug/kg	ND	4150	4160	3100	2990	69	66	10-128	4	20	
Phenol	ug/kg	ND	4150	4160	2520	2690	61	65	22-97	6	20	
Pyrene	ug/kg	ND	4150	4160	3080	3150	72	73	10-123	2	20	
2,4,6-Tribromophenol (S)	%.						72	69	16-122			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1120688 1120689

Parameter	Units	50100101001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorobiphenyl (S)	%.						70	67	31-94			
2-Fluorophenol (S)	%.						62	65	24-104			
Nitrobenzene-d5 (S)	%.						62	64	26-98			
p-Terphenyl-d14 (S)	%.						86	84	26-110			
Phenol-d5 (S)	%.						63	67	28-101			

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: PMST/9619 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 5099765001, 5099765002, 5099765003, 5099765004, 5099765005, 5099765006, 5099765007, 5099765008, 5099765009, 5099765010, 5099765011, 5099765012, 5099765013, 5099765014, 5099765015

SAMPLE DUPLICATE: 1118527

Parameter	Units	5099875004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.1	9.0	1	5	

SAMPLE DUPLICATE: 1118528

Parameter	Units	5099825002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.7	9.5	12	5	R1

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QUALITY CONTROL DATA

Project: Sibley-Accucast
Pace Project No.: 5099765

QC Batch: WET/16676
QC Batch Method: EPA 3060A
Analysis Method: EPA 7196A
Analysis Description: 7196 Chromium, Hexavalent
Associated Lab Samples: 5099765007, 5099765011

METHOD BLANK: 1128073 Matrix: Solid
Associated Lab Samples: 5099765007, 5099765011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	ND	2.0	07/17/14 09:30	

LABORATORY CONTROL SAMPLE: 1128074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	958	950	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1128075 1128076

Parameter	Units	5099765007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/kg	ND	1070	1030	1030	978	97	95	75-125	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1128077 1128078

Parameter	Units	5099765007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/kg	ND	40.8	41.5	6.7	18.7	16	45	75-125	95	20	M0,R1

SAMPLE DUPLICATE: 1128079

Parameter	Units	10273319006 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	ND		20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Sibley-Accucast
Pace Project No.: 5099765

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.

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TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1d	Due to the extract's physical characteristics, the analysis was performed at dilution. CEM 07/02/14
C9	Common Laboratory Contaminant.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M3	Matrix spike recovery was outside laboratory control limits due to matrix interferences.
N2	The lab does not hold TNI accreditation for this parameter.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
RS	The RPD value in one of the constituent analytes was outside the control limits.
S0	Surrogate recovery outside laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099765001	P-10 (2-4)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765002	P-10 (12-14)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765003	TMW-10 (3-5)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765004	TMW-10 (10-12)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765005	TMW-2 (3-5)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765006	TMW-2 (13-15)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765007	P-1 (1-3)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765008	P-1 (18-20)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765009	TMW-1 (1-3)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765010	TMW-1 (11-13)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765011	TMW-8 (1-3)	EPA 3546	OEXT/36332	EPA 8082	GCSV/12810
5099765012	TMW-8 (10-12)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765013	P-2 (1-3)	EPA 3546	OEXT/36253	EPA 8082	GCSV/12768
5099765014	P-2 (18-20)	EPA 3546	OEXT/36269	EPA 8082	GCSV/12770
5099765015	Subsurf-Dup	EPA 3546	OEXT/36269	EPA 8082	GCSV/12770
5099765001	P-10 (2-4)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765002	P-10 (12-14)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765003	TMW-10 (3-5)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765004	TMW-10 (10-12)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765005	TMW-2 (3-5)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765006	TMW-2 (13-15)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765007	P-1 (1-3)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765008	P-1 (18-20)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765009	TMW-1 (1-3)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765010	TMW-1 (11-13)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765011	TMW-8 (1-3)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765012	TMW-8 (10-12)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765013	P-2 (1-3)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765014	P-2 (18-20)	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765015	Subsurf-Dup	EPA 3050	MPRP/13645	EPA 6010	ICP/15913
5099765001	P-10 (2-4)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765002	P-10 (12-14)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765003	TMW-10 (3-5)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765004	TMW-10 (10-12)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765005	TMW-2 (3-5)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765006	TMW-2 (13-15)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765007	P-1 (1-3)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765008	P-1 (18-20)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765009	TMW-1 (1-3)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765010	TMW-1 (11-13)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765011	TMW-8 (1-3)	EPA 3546	OEXT/36282	EPA 8270	MSSV/15623
5099765012	TMW-8 (10-12)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765013	P-2 (1-3)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765014	P-2 (18-20)	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586
5099765015	Subsurf-Dup	EPA 3546	OEXT/36240	EPA 8270	MSSV/15586

Pace Analytical Services, Inc.
Not NELAP Accredited
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley-Accucast
Pace Project No.: 5099765

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5099765001	**P-10 (2-4)**	EPA 8260	MSV/66435		
5099765002	**P-10 (12-14)**	EPA 8260	MSV/66435		
5099765003	**TMW-10 (3-5)**	EPA 8260	MSV/66435		
5099765004	**TMW-10 (10-12)**	EPA 8260	MSV/66492		
5099765005	**TMW-2 (3-5)**	EPA 8260	MSV/66492		
5099765006	**TMW-2 (13-15)**	EPA 8260	MSV/66492		
5099765007	**P-1 (1-3)**	EPA 8260	MSV/66492		
5099765008	**P-1 (18-20)**	EPA 8260	MSV/66492		
5099765009	**TMW-1 (1-3)**	EPA 8260	MSV/66492		
5099765010	**TMW-1 (11-13)**	EPA 8260	MSV/66492		
5099765011	**TMW-8 (1-3)**	EPA 8260	MSV/66492		
5099765012	**TMW-8 (10-12)**	EPA 8260	MSV/66492		
5099765013	**P-2 (1-3)**	EPA 8260	MSV/66492		
5099765014	**P-2 (18-20)**	EPA 8260	MSV/66496		
5099765015	**Subsurf-Dup**	EPA 8260	MSV/66496		
5099765016	**Trip Blank-2**	EPA 8260	MSV/66496		
5099765001	**P-10 (2-4)**	ASTM D2974-87	PMST/9619		
5099765002	**P-10 (12-14)**	ASTM D2974-87	PMST/9619		
5099765003	**TMW-10 (3-5)**	ASTM D2974-87	PMST/9619		
5099765004	**TMW-10 (10-12)**	ASTM D2974-87	PMST/9619		
5099765005	**TMW-2 (3-5)**	ASTM D2974-87	PMST/9619		
5099765006	**TMW-2 (13-15)**	ASTM D2974-87	PMST/9619		
5099765007	**P-1 (1-3)**	ASTM D2974-87	PMST/9619		
5099765008	**P-1 (18-20)**	ASTM D2974-87	PMST/9619		
5099765009	**TMW-1 (1-3)**	ASTM D2974-87	PMST/9619		
5099765010	**TMW-1 (11-13)**	ASTM D2974-87	PMST/9619		
5099765011	**TMW-8 (1-3)**	ASTM D2974-87	PMST/9619		
5099765012	**TMW-8 (10-12)**	ASTM D2974-87	PMST/9619		
5099765013	**P-2 (1-3)**	ASTM D2974-87	PMST/9619		
5099765014	**P-2 (18-20)**	ASTM D2974-87	PMST/9619		
5099765015	**Subsurf-Dup**	ASTM D2974-87	PMST/9619		
5099765007	**P-1 (1-3)**	EPA 3060A	WET/16676	EPA 7196A	WET/16725
5099765011	**TMW-8 (1-3)**	EPA 3060A	WET/16676	EPA 7196A	WET/16725
5099765007	**P-1 (1-3)**	Trivalent Chromium Calculation	WET/16615		
5099765011	**TMW-8 (1-3)**	Trivalent Chromium Calculation	WET/16615		

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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.

1803913

Section A Required Client Information:

Company: Weaver Boos Consultants
Address: 7121 Grape Rd.
Granger, IN 46530
Email To: sstamford@weaverboos.com
Phone: 574-271-3647 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Steve Stamford
Copy To: ahuang@weaverboos.com
Purchase Order No.:
Project Name: Sibley - Accucast
Project Number: 2339-356-03-00

Section C Invoice Information:

Attention: Lyle Cable
Company Name: Pace Analytical
Address: 7726 Moller Rd.
Pace Quote Reference:
Pace Project Manager: Lyle Cable
Pace Profile #:

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

Section D Required Client Information

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs	SVOCs	PCBs	Total Metals	Hex Cr (See note)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	P-10 (2-4)	SL	G			6/23	15:25		6	X						X			X	X	X	X			5099765-001
2	P-10 (12-14)	SL	G			6/23	15:50		6	X						X			X	X	X	X			-002
3	TMW-10 (3-5)	SL	G			6/23	14:45		6	X						X			X	X	X	X			-003
4	TMW-10 (10-12)	SL	G			6/23	14:55		6	X						X			X	X	X	X			-004
5	TMW-2 (3-5)	SL	G			6/23	13:15		6	X						X			X	X	X	X			-005
6	TMW-2 (13-15)	SL	G			6/23	13:30		6	X						X			X	X	X	X			-006
7	P-1 (1-3)	SL	G			6/23	12:35		6	X						X			X	X	X	X			-007
8	P-1 (18-20)	SL	G			6/23	12:50		6	X						X			X	X	X	X			-008
9	TMW-1 (1-3)	SL	G			6/23	11:45		6	X						X			X	X	X	X			-009
10	TMW-1 (11-13)	SL	G			6/23	12:00		6	X						X			X	X	X	X			-010
11	TMW-8 (1-3)	SL	G			6/23	10:40		6	X						X			X	X	X	X			-011
12	TMW-8 (10-12)	SL	G			6/23	11:00		6	X						X			X	X	X	X			-012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hex Cr analysis only done if authorized by project manager. Please keep with Samples.	Alex Huang/Weaver Boos	6/23	19:40	Carlie Racec	6-24-14	12:10	2.2 1.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alex Huang
SIGNATURE of SAMPLER: Alex Huang
DATE Signed (MM/DD/YY): 06/23/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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1803914

Section A Required Client Information:

Company: Weaver Boos Consultants
Address: 7121 Grape Rd.
Granger, IN 46530
Email To: SStanford@weaverboos.com
Phone: 574-271-3447 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Steve Stanford
Copy To: ahuang@weaverboos.com
Purchase Order No.:
Project Name: Sibley - Accucast
Project Number: 2339-356-03-00

Section C Invoice Information:

Attention: Lyle Cable
Company Name: Pace Analytical
Address: 7726 Moller Rd.
Pace Quote Reference:
Pace Project Manager: Lyle Cable
Pace Profile #:

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

Section D Required Client Information

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs	SVOCs	PCBs	Total Metals Hex Cr (see notes)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	P-2 (1-3)	SL	G			6/23	10:10		6	X						X		X	X	X	X		5099765-003
2	P-2 (18-20)	SL	G			6/23	10:30		6	X						X		X	X	X	X		-004
3	Subsurf-Dup	SL	G			6/23	X		6	X						X		X	X	X	X		-005
4	Trip Blank-2	OT				X	X		3							X		X					-006
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Please HOLD samples for Hex Cr analysis until directed by Steve Stanford.	Alex Huang/Weaver Boos	6/23	18:40	Carlie Peacock	6-24-14	12:10	2.2 1.2	Y	Y	Y

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alex Huang
SIGNATURE of SAMPLER: Alex Huang
DATE Signed (MM/DD/YY): 06/23/14

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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

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Sample Condition Upon Receipt

Pace Analytical

Client Name: Weaver Boos Project # 5099765

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: 8055 5144 5108-7800 0884 5038

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

Date/Time 5035A kits placed in freezer: 6-24-14 12:30

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

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

Cooler Temperature (Corrected, if applicable): 2.2°C; 1.2°C Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: CAP 6-24-14

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Short Hold Time Analysis (<72hr):	☒Yes ☐No ☐N/A	5. Tena called
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	6.
Containers Intact:	☒Yes ☐No ☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes ☒No ☐N/A	8. Sample #3 Sample = P-10(3-5) 14:45, COC=TMW-10(3-5) 14:45
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes ☐No ☒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):	☐Yes ☐No ☒N/A	10.
Trip Blank Present:	☒Yes ☐No ☐N/A	11. Tena Trip
Trip Blank Custody Seals Present	☐Yes ☒No ☐N/A	
Project Manager Review		
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	12.
Sufficient Volume:	☒Yes ☐No ☐N/A	13.
Correct Containers Used:	☒Yes ☐No ☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 6-24-14

Form F-IN-Q-290-rev.05, 10Sep2013

Sample Container Count

CLIENT: Weaver Boos

COC PAGE 1 of 2
COC ID# 1863913

Project # S099765

Terra kit

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

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Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	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 g	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 g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	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 gl	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	WGFX	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 2 of 2
COC ID# 1803914

Project # 50997765

Terra Core

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

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber gl	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber gla	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	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 g	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 g	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber g	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 gl	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	WGFX	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.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MV6B

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1122264	1122264BLANK	106	112	95
1122265	1122265LCS	93	96	102
1123194	1123194BLANK	106	112	94
1123195	1123195LCS	95	94	102
1123224	1123224BLANK	107	113	93
1123225	1123225LCS	95	96	104
5099765001	P-10 (2-4)	104	110	92
5099765002	P-10 (12-14)	103	114	93
5099765003	TMW-10 (3-5)	104	104	93
5099765004	TMW-10 (10-12)	107	109	94
5099765005	TMW-2 (3-5)	105	111	93
5099765006	TMW-2 (13-15)	105	110	93
5099765007	P-1 (1-3)	104	97	96
5099765008	P-1 (18-20)	106	112	94
5099765009	TMW-1 (1-3)	104	111	94
5099765010	TMW-1 (11-13)	104	110	94
5099765011	TMW-8 (1-3)	98	117	97
5099765012	TMW-8 (10-12)	107	116	93
5099765013	P-2 (1-3)	105	114	93
5099765014	P-2 (18-20)	106	112	93
5099765015	Subsurf-Dup	103	113	92
5099765016	Trip Blank-2	105	113	93

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(56-144)
(DIBF) = Dibromofluoromethane (S)	(85-118)
(TOL8) = Toluene-d8 (S)	(71-128)

* Values outside of QC Limits

MSV - FORM III VOA-1

SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1122265LCS
Date Extracted: 07/03/2014
Date Analyzed (1): 07/03/2014
Instrument: 50MV6B
LCS Lot No: 71693
Lab File ID: B070214.B\C17LCS.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	42.9	86	74-119
Chlorobenzene	50.0	40.2	80	77-122
Chloroform	50.0	38.8	78	75-124
1,1-Dichloroethene	50.0	44.4	89	66-126
1,2-Dichloropropane	50.0	42.3	85	75-118
Ethylbenzene	50.0	37.3	75	72-123
Isopropylbenzene (Cumene)	50.0	34.9	70	65-123
Methyl-tert-butyl ether	100	84.8	85	68-120
Naphthalene	50.0	39.8	80	67-131
1,1,2,2-Tetrachloroethane	50.0	43.8	88	65-124
Tetrachloroethene	50.0	39.9	80	72-126
Toluene	50.0	40.1	80	71-121
1,1,1-Trichloroethane	50.0	40.1	80	70-123
Trichloroethene	50.0	42.4	85	74-123
1,2,4-Trimethylbenzene	50.0	35.0	70	67-126
Vinyl chloride	50.0	48.0	96	55-128
Xylene (Total)	150	111	74	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
Lab Sample ID: 1123195LCS
Date Extracted: 07/03/2014
Date Analyzed (1): 07/03/2014
Instrument: 50MV6B
LCS Lot No: 71787
Lab File ID: B070314CAL.B\A11LCS.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	48.9	98	74-119
Chlorobenzene	50.0	44.7	89	77-122
Chloroform	50.0	43.2	86	75-124
1,1-Dichloroethene	50.0	44.6	89	66-126
1,2-Dichloropropane	50.0	46.1	92	75-118
Ethylbenzene	50.0	43.9	88	72-123
Isopropylbenzene (Cumene)	50.0	46.2	92	65-123
Methyl-tert-butyl ether	100	100	100	68-120
Naphthalene	50.0	51.2	102	67-131
1,1,2,2-Tetrachloroethane	50.0	43.9	88	65-124
Tetrachloroethene	50.0	44.8	90	72-126
Toluene	50.0	46.6	93	71-121
1,1,1-Trichloroethane	50.0	48.6	97	70-123
Trichloroethene	50.0	48.4	97	74-123
1,2,4-Trimethylbenzene	50.0	38.7	77	67-126
Vinyl chloride	50.0	51.2	102	55-128
Xylene (Total)	150	136	91	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
Lab Sample ID: 1123225LCS
Date Extracted: 07/04/2014
Date Analyzed (1): 07/04/2014
Instrument: 50MV6B
LCS Lot No: 71787
Lab File ID: B070314CAL.B\C02LCS.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Benzene	50.0	52.0	104	74-119
Chlorobenzene	50.0	47.2	94	77-122
Chloroform	50.0	46.2	92	75-124
1,1-Dichloroethene	50.0	47.8	96	66-126
1,2-Dichloropropane	50.0	48.6	97	75-118
Ethylbenzene	50.0	46.1	92	72-123
Isopropylbenzene (Cumene)	50.0	48.3	97	65-123
Methyl-tert-butyl ether	100	99.7	100	68-120
Naphthalene	50.0	47.4	95	67-131
1,1,2,2-Tetrachloroethane	50.0	46.6	93	65-124
Tetrachloroethene	50.0	47.5	95	72-126
Toluene	50.0	50.2	100	71-121
1,1,1-Trichloroethane	50.0	51.1	102	70-123
Trichloroethene	50.0	50.5	101	74-123
1,2,4-Trimethylbenzene	50.0	38.7	77	67-126
Vinyl chloride	50.0	54.0	108	55-128
Xylene (Total)	150	142	95	66-124

Spike Recovery: 0 out of 17 outside limits.

MSV - FORM III VOA-1

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1122266MS

Date Extracted: 07/03/2014

Date Analyzed (1): 07/03/2014

Instrument: 50MV6B

Lab File ID: B070214.B\C12.D

Parent Sample ID: 5099605013

SDG No.: 5099765

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
1,1,1-Trichloroethane	51.8	ND	39.3	76	26-143
1,1,2,2-Tetrachloroethane	51.8	ND	37.0	71	10-156
1,1-Dichloroethene	51.8	ND	46.3	89	31-146
1,2,4-Trimethylbenzene	51.8	ND	11.7	23	10-139
1,2-Dichloropropane	51.8	ND	39.5	76	29-135
Benzene	51.8	ND	37.9	73	27-140
Chlorobenzene	51.8	ND	22.6	44	10-136
Chloroform	51.8	ND	38.7	75	36-138
Ethylbenzene	51.8	ND	17.5	34	10-144
Isopropylbenzene (Cumene)	51.8	ND	13.9	27	10-134
Methyl-tert-butyl ether	104	ND	87.2	84	30-147
Naphthalene	51.8	ND	21.2	41	10-130
Tetrachloroethene	51.8	255	149	-206	10-153
Toluene	51.8	ND	26.6	51	10-140
Trichloroethene	51.8	ND	31.2	60	17-148
Vinyl chloride	51.8	ND	56.0	108	30-145
Xylene (Total)	155	ND	52.5	34	10-143

Spike Recovery: 1 out of 17 outside limits.

MSV - FORM III VOA-2

SOLID VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV6B Matrix Spike Duplicate - Sample No: 1122267MSD

Lab File ID (2): B070214.B\C13.D Date Analyzed (2): 07/03/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1-Trichloroethane	47.1	43.6	93	10	0-20	26-143
1,1,2,2-Tetrachloroethane	47.1	38.8	82	5	0-20	10-156
1,1-Dichloroethene	47.1	46.3	98	0	0-20	31-146
1,2,4-Trimethylbenzene	47.1	29.8	63	87	0-20	10-139
1,2-Dichloropropane	47.1	41.4	88	5	0-20	29-135
Benzene	47.1	43.1	92	13	0-20	27-140
Chlorobenzene	47.1	37.1	79	48	0-20	10-136
Chloroform	47.1	39.0	83	1	0-20	36-138
Ethylbenzene	47.1	36.2	77	69	0-20	10-144
Isopropylbenzene (Cumene)	47.1	33.7	72	83	0-20	10-134
Methyl-tert-butyl ether	94.0	81.0	86	7	0-20	30-147
Naphthalene	47.1	23.2	49	9	0-20	10-130
Tetrachloroethene	47.1	365	232	84	0-20	10-153
Toluene	47.1	40.7	86	42	0-20	10-140
Trichloroethene	47.1	42.9	91	32	0-20	17-148
Vinyl chloride	47.1	51.0	108	9	0-20	30-145
Xylene (Total)	141	105	74	66	0-20	10-143

RPD: 8 out of 17 outside limits.

Spike Recovery: 1 out of 17 outside limits.

SAMPLE NO.

1122264BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MV6B Matrix: Solid Lab Sample ID: 1122264

Lab File ID: B070214.B\C03MB.D Date Analyzed: 07/03/2014 Time: 04:02

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
P-10 (2-4)	5099765001	B070214.B\C14.D	07/03/2014 09:02
P-10 (12-14)	5099765002	B070214.B\C15.D	07/03/2014 09:29
TMW-10 (3-5)	5099765003	B070214.B\C16.D	07/03/2014 09:56
1122265LCS	1122265	B070214.B\C17LCS.D	07/03/2014 10:24

SAMPLE NO.

1123194BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MV6B Matrix: Solid Lab Sample ID: 1123194

Lab File ID: B070314CAL.B\A12MB.D Date Analyzed: 07/03/2014 Time: 22:23

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1123195LCS	1123195	B070314CAL.B\A11LCS.D	07/03/2014 21:56
TMW-10 (10-12)	5099765004	B070314CAL.B\A13.D	07/03/2014 22:50
TMW-2 (3-5)	5099765005	B070314CAL.B\A14.D	07/03/2014 23:18
TMW-2 (13-15)	5099765006	B070314CAL.B\A15.D	07/03/2014 23:45
P-1 (1-3)	5099765007	B070314CAL.B\A16.D	07/04/2014 00:12
P-1 (18-20)	5099765008	B070314CAL.B\A17.D	07/04/2014 00:39
TMW-1 (1-3)	5099765009	B070314CAL.B\A18.D	07/04/2014 01:06
TMW-1 (11-13)	5099765010	B070314CAL.B\A19.D	07/04/2014 01:34
TMW-8 (1-3)	5099765011	B070314CAL.B\A20.D	07/04/2014 02:01
TMW-8 (10-12)	5099765012	B070314CAL.B\A21.D	07/04/2014 02:28
P-2 (1-3)	5099765013	B070314CAL.B\A22.D	07/04/2014 02:56

SAMPLE NO.

1123224BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MV6B Matrix: Solid Lab Sample ID: 1123224

Lab File ID: B070314CAL.B\C03MB.D Date Analyzed: 07/04/2014 Time: 04:45

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1123225LCS	1123225	B070314CAL.B\C02LCS.D	07/04/2014 04:18
P-2 (18-20)	5099765014	B070314CAL.B\C04.D	07/04/2014 05:12
Subsurf-Dup	5099765015	B070314CAL.B\C05.D	07/04/2014 05:40
Trip Blank-2	5099765016	B070314CAL.B\C06.D	07/04/2014 06:07

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: B070214.B\A00BFB.D BFB Injection Date: 07/02/2014
Instrument ID: 50MV6B BFB Injection Time: 15:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	17.15	
75	30.00 - 60.00% of mass 95	45.32	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.64	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	54.12	
175	5.00 - 9.00% of mass 174	4.16	(7.68)[1]
176	95.00 - 101.00% of mass 174	52.99	(97.90)[1]
177	5.00 - 9.00% of mass 176	3.84	(7.25)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6929201CAL1	6929201CAL1	B070214.B\A04.D	07/02/2014	17:34
6929202CAL2	6929202CAL2	B070214.B\A05.D	07/02/2014	18:01
6929195CAL3	6929195CAL3	B070214.B\A06.D	07/02/2014	18:29
6929198CAL4	6929198CAL4	B070214.B\A07.D	07/02/2014	18:56
6929194CAL5	6929194CAL5	B070214.B\A08.D	07/02/2014	19:23
6929199CAL6	6929199CAL6	B070214.B\A09.D	07/02/2014	19:51
6929223CCV	6929223CCV	B070214.B\A09CCV.D	07/02/2014	19:51
6929200CAL7	6929200CAL7	B070214.B\A10.D	07/02/2014	20:18
6929203CAL8	6929203CAL8	B070214.B\A11.D	07/02/2014	20:45
6929204ICV	6929204ICV	B070214.B\A13ICV.D	07/02/2014	21:40

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: B070214.B\C00BFB.D BFB Injection Date: 07/03/2014
Instrument ID: 50MV6B BFB Injection Time: 02:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	16.40	
75	30.00 - 60.00% of mass 95	45.60	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.33	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	61.55	
175	5.00 - 9.00% of mass 174	5.00	(8.12)[1]
176	95.00 - 101.00% of mass 174	58.82	(95.57)[1]
177	5.00 - 9.00% of mass 176	3.96	(6.73)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6929428CCV	6929428CCV	B070214.B\C01CCV.D	07/03/2014	03:07
1122264BLANK	1122264BLANK	B070214.B\C03MB.D	07/03/2014	04:02
P-10 (2-4)	5099765001	B070214.B\C14.D	07/03/2014	09:02
P-10 (12-14)	5099765002	B070214.B\C15.D	07/03/2014	09:29
TMW-10 (3-5)	5099765003	B070214.B\C16.D	07/03/2014	09:56
1122265LCS	1122265LCS	B070214.B\C17LCS.D	07/03/2014	10:24

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: B070314CAL.B\A00BFB.D BFB Injection Date: 07/03/2014
Instrument ID: 50MV6B BFB Injection Time: 16:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	17.10	
75	30.00 - 60.00% of mass 95	47.96	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.45	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	57.74	
175	5.00 - 9.00% of mass 174	4.29	(7.43)[1]
176	95.00 - 101.00% of mass 174	54.99	(95.24)[1]
177	5.00 - 9.00% of mass 176	3.94	(7.17)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6932521CAL1	6932521CAL1	B070314CAL.B\A01.D	07/03/2014	17:23
6932527CAL2	6932527CAL2	B070314CAL.B\A02.D	07/03/2014	17:51
6932522CAL3	6932522CAL3	B070314CAL.B\A03.D	07/03/2014	18:18
6932524CAL4	6932524CAL4	B070314CAL.B\A04.D	07/03/2014	18:45
6932530CAL5	6932530CAL5	B070314CAL.B\A05.D	07/03/2014	19:13
6932529CAL6	6932529CAL6	B070314CAL.B\A06.D	07/03/2014	19:40
6932533CCV	6932533CCV	B070314CAL.B\A06CCV.D	07/03/2014	19:40
6932525CAL7	6932525CAL7	B070314CAL.B\A07.D	07/03/2014	20:07
6932528CAL8	6932528CAL8	B070314CAL.B\A08.D	07/03/2014	20:34
6932531ICV	6932531ICV	B070314CAL.B\A10ICV.D	07/03/2014	21:29
1123195LCS	1123195LCS	B070314CAL.B\A11LCS.D	07/03/2014	21:56
1123194BLANK	1123194BLANK	B070314CAL.B\A12MB.D	07/03/2014	22:23
TMW-10 (10-12)	5099765004	B070314CAL.B\A13.D	07/03/2014	22:50
TMW-2 (3-5)	5099765005	B070314CAL.B\A14.D	07/03/2014	23:18
TMW-2 (13-15)	5099765006	B070314CAL.B\A15.D	07/03/2014	23:45
P-1 (1-3)	5099765007	B070314CAL.B\A16.D	07/04/2014	00:12
P-1 (18-20)	5099765008	B070314CAL.B\A17.D	07/04/2014	00:39
TMW-1 (1-3)	5099765009	B070314CAL.B\A18.D	07/04/2014	01:06
TMW-1 (11-13)	5099765010	B070314CAL.B\A19.D	07/04/2014	01:34
TMW-8 (1-3)	5099765011	B070314CAL.B\A20.D	07/04/2014	02:01
TMW-8 (10-12)	5099765012	B070314CAL.B\A21.D	07/04/2014	02:28
P-2 (1-3)	5099765013	B070314CAL.B\A22.D	07/04/2014	02:56

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: B070314CAL.B\C00BFB.D BFB Injection Date: 07/04/2014
Instrument ID: 50MV6B BFB Injection Time: 03:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	15.87	
75	30.00 - 60.00% of mass 95	46.28	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.88	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	70.72	
175	5.00 - 9.00% of mass 174	5.21	(7.36)[1]
176	95.00 - 101.00% of mass 174	67.41	(95.32)[1]
177	5.00 - 9.00% of mass 176	4.63	(6.86)[2]

1 - Value is % mass 174 2 - Value is % mass 176

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6932532CCV	6932532CCV	B070314CAL.B\C01CCV.D	07/04/2014	03:51
1123225LCS	1123225LCS	B070314CAL.B\C02LCS.D	07/04/2014	04:18
1123224BLANK	1123224BLANK	B070314CAL.B\C03MB.D	07/04/2014	04:45
P-2 (18-20)	5099765014	B070314CAL.B\C04.D	07/04/2014	05:12
Subsurf-Dup	5099765015	B070314CAL.B\C05.D	07/04/2014	05:40
Trip Blank-2	5099765016	B070314CAL.B\C06.D	07/04/2014	06:07

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D
CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D
CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear		0.08873	0.06102	0.07019	0.06044	0.05034
Acrolein	Averaged	0.02473	0.02624	0.02497	0.02408	0.02202	0.02222
Acrylonitrile	Averaged		0.14656	0.12797	0.14865	0.13183	0.11367
Benzene	Averaged	1.39431	1.34509	1.24688	1.59537	1.47557	1.33348
Bromobenzene	Averaged	0.83300	0.76380	0.71750	0.85077	0.75915	0.61426
Bromochloromethane	Averaged	0.30661	0.30506	0.27035	0.31979	0.28619	0.24569
Bromodichloromethane	Averaged		0.35042	0.32985	0.45346	0.44197	0.39505
Bromoform	Linear		0.20140	0.21840	0.34351	0.39293	0.47186
Bromomethane	Averaged	0.40112	0.31311	0.29515	0.27255	0.18034	0.12426
2-Butanone (MEK)	Averaged		0.12791	0.12201	0.14536	0.13487	0.12169
n-Butylbenzene	Linear	3.48502	3.23494	3.07016	3.87309	3.11222	2.53560
sec-Butylbenzene	Linear	4.79047	4.27314	4.00226	4.92461	4.05141	3.27204
tert-Butylbenzene	Linear	3.44756	3.47758	3.23336	3.90256	3.31127	2.72190
Carbon disulfide	Averaged	0.83384	0.83053	0.72301	0.91298	0.85323	0.75125
Carbon tetrachloride	Averaged	0.28932	0.30883	0.30306	0.43838	0.42900	0.40171
Chlorobenzene	Averaged	1.42550	1.32092	1.25675	1.53185	1.43864	1.32443
Chloroethane	Averaged	0.15973	0.14250	0.14556	0.15252	0.12271	0.10560
Chloroform	Averaged	0.73093	0.74191	0.63737	0.78652	0.71037	0.61826
Chloromethane	Averaged	0.32662	0.27700	0.25289	0.24931	0.22162	0.21476
2-Chlorotoluene	Averaged	3.19202	2.91735	2.76450	3.38548	3.00991	2.53639
4-Chlorotoluene	Averaged	1.14143	1.04845	0.98621	1.23193	1.15570	1.08174
Dibromochloromethane	Linear	0.23547	0.22819	0.25112	0.38699	0.41971	0.44507
1,2-Dibromoethane (EDB)	Averaged		0.28239	0.29984	0.42428	0.42804	0.44252
Dibromomethane	Averaged	0.21365	0.22391	0.20435	0.25597	0.24042	0.21763
1,2-Dichlorobenzene	Linear	2.12673	1.94202	1.75850	2.06594	1.72386	1.45540
1,3-Dichlorobenzene	Averaged	2.20591	1.99392	1.88493	2.25376	2.05992	1.84323
1,4-Dichlorobenzene	Averaged	2.36830	2.12829	1.96956	2.37913	2.16688	1.97907
trans-1,4-Dichloro-2-butene	Averaged		0.07718	0.07696	0.10206	0.09843	0.09737
Dichlorodifluoromethane	Averaged	0.44325	0.45354	0.42095	0.44252	0.39980	0.42287
1,1-Dichloroethane	Averaged	0.72938	0.73487	0.64597	0.79040	0.71495	0.61526
1,2-Dichloroethane	Averaged		0.45500	0.41420	0.50147	0.45055	0.39355
1,1-Dichloroethene	Linear		0.34534	0.29866	0.37184	0.34182	0.28521
cis-1,2-Dichloroethene	Averaged	0.50587	0.51614	0.44414	0.54546	0.49774	0.44039
trans-1,2-Dichloroethene	Averaged	0.46557	0.47858	0.41192	0.52545	0.47768	0.41574
1,2-Dichloropropane	Averaged		0.28424	0.28435	0.36992	0.34899	0.31658

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

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D
CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D
CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	0.49015	0.48661	0.52200	0.68313	0.67549	0.67880
2,2-Dichloropropane	Averaged	0.26709	0.26262	0.23618	0.33723	0.32781	0.32935
1,1-Dichloropropene	Averaged	0.42808	0.41804	0.41931	0.58153	0.56040	0.50904
cis-1,3-Dichloropropene	Linear	0.29139	0.30227	0.33474	0.53286	0.58908	0.67859
trans-1,3-Dichloropropene	Linear		0.16891	0.19706	0.32826	0.39351	0.48875
Ethylbenzene	Averaged	0.75077	0.69341	0.66931	0.84410	0.77299	0.68193
Ethyl methacrylate	Linear		0.24807	0.26127	0.38599	0.41899	0.42764
Hexachloro-1,3-butadiene	Linear	0.83040	0.68445	0.60311	0.58436	0.38152	0.32244
n-Hexane	Averaged		0.46908	0.44396	0.62769	0.58407	0.54127
2-Hexanone	Averaged	0.18369	0.18673	0.18673	0.23382	0.21933	0.20357
Iodomethane	Linear		0.18164	0.18962	0.29168	0.34503	0.37997
Isopropylbenzene (Cumene)	Averaged	2.29224	2.08221	1.96131	2.47623	2.19212	1.70999
p-Isopropyltoluene	Linear	3.86651	3.57986	3.44905	4.28060	3.54226	2.79078
Methylene Chloride	Linear		1.63693	0.77810	0.58186	0.41740	0.31825
4-Methyl-2-pentanone (MIBK)	Averaged	0.23647	0.21218	0.23925	0.31447	0.30525	0.28428
Methyl-tert-butyl ether	Averaged	0.70503	0.69691	0.68351	0.89754	0.84416	0.79201
Naphthalene	Linear	4.45960	3.44661	3.04468	3.10751	2.25034	1.92012
n-Propylbenzene	Averaged	4.83279	4.47383	4.14709	5.33113	4.84636	4.29631
Styrene	Averaged	1.35700	1.30625	1.30753	1.64267	1.53061	1.31191
1,1,1,2-Tetrachloroethane	Averaged			0.22993	0.35784	0.37596	0.37365
1,1,2,2-Tetrachloroethane	Averaged		0.73716	0.73034	0.93756	0.88649	0.85851
Tetrachloroethene	Averaged	0.53738	0.48229	0.47963	0.62712	0.60303	0.58990
Toluene	Averaged	2.31488	2.00275	1.80010	2.24677	2.12373	1.99124
1,2,3-Trichlorobenzene	Linear		1.25971	1.11235	1.07725	0.75923	0.63704
1,2,4-Trichlorobenzene	Linear	1.55673	1.30978	1.16819	1.24789	0.94569	0.81618
1,1,1-Trichloroethane	Averaged	0.45205	0.46109	0.41405	0.56212	0.53890	0.48657
1,1,2-Trichloroethane	Averaged	0.24244	0.25181	0.25859	0.35137	0.34422	0.35492
Trichloroethene	Averaged	0.35628	0.33010	0.33013	0.43869	0.41840	0.38466
Trichlorofluoromethane	Averaged	0.55264	0.55089	0.52726	0.53147	0.47590	0.47181
1,2,3-Trichloropropane	Averaged	0.23246	0.21075	0.21646	0.28509	0.26799	0.25742
1,2,4-Trimethylbenzene	Linear	3.92301	3.28339	3.13718	3.76479	3.18879	2.65475
1,3,5-Trimethylbenzene	Linear	3.45040	3.15075	3.00091	3.74988	3.15809	2.61291
Vinyl acetate	Linear		0.21773	0.26379	0.31365	0.32999	0.39739
Vinyl chloride	Averaged	0.31898	0.33201	0.31519	0.33054	0.30369	0.32053
m&p-Xylene	Averaged	1.05452	0.95706	0.88055	1.08236	0.99130	0.85365

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

07/24/2014 6:50

MSV - FORM VI VOA-3

MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	0.93913	0.84057	0.82040	0.98503	0.88269	0.71423
4-Bromofluorobenzene (S)	Averaged	0.42249	0.43265	0.43862	0.42624	0.42371	0.39317
Dibromofluoromethane (S)	Averaged	0.27438	0.28700	0.26882	0.26481	0.25492	0.24692
Toluene-d8 (S)	Averaged	1.07447	1.06787	1.10858	1.11193	1.13954	1.17714

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-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D
CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D
CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.04760	
Acrolein	Averaged	0.02128	0.01568
Acrylonitrile	Averaged	0.09818	
Benzene	Averaged	1.27127	1.12590
Bromobenzene	Averaged	0.56572	0.54369
Bromochloromethane	Averaged	0.22005	0.19298
Bromodichloromethane	Averaged	0.39517	0.36144
Bromoform	Linear	0.53077	0.53786
Bromomethane	Averaged		
2-Butanone (MEK)	Averaged	0.11660	0.10959
n-Butylbenzene	Linear	2.98852	2.56933
sec-Butylbenzene	Linear	3.83885	3.61707
tert-Butylbenzene	Linear	3.25102	3.22875
Carbon disulfide	Averaged	0.69548	0.51983
Carbon tetrachloride	Averaged	0.41592	0.37439
Chlorobenzene	Averaged	1.29477	1.14285
Chloroethane	Averaged		
Chloroform	Averaged	0.58483	0.51948
Chloromethane	Averaged	0.24378	0.29135
2-Chlorotoluene	Averaged	2.50129	2.35840
4-Chlorotoluene	Averaged	1.07179	0.92334
Dibromochloromethane	Linear	0.48268	0.45079
1,2-Dibromoethane (EDB)	Averaged	0.46360	0.42293
Dibromomethane	Averaged	0.21740	0.20280
1,2-Dichlorobenzene	Linear	1.49233	1.41097
1,3-Dichlorobenzene	Averaged	1.84504	1.68484
1,4-Dichlorobenzene	Averaged	1.90999	1.72042
trans-1,4-Dichloro-2-butene	Averaged	0.10584	0.09149
Dichlorodifluoromethane	Averaged	0.43668	0.47456
1,1-Dichloroethane	Averaged	0.56001	0.46873
1,2-Dichloroethane	Averaged	0.37425	0.34130
1,1-Dichloroethene	Linear	0.25251	
cis-1,2-Dichloroethene	Averaged	0.42090	0.37061
trans-1,2-Dichloroethene	Averaged	0.38223	0.28956
1,2-Dichloropropane	Averaged	0.30143	0.27103

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	0.69118	0.61820
2,2-Dichloropropane	Averaged	0.36523	0.34785
1,1-Dichloropropene	Averaged	0.48518	0.42262
cis-1,3-Dichloropropene	Linear	0.79927	0.71548
trans-1,3-Dichloropropene	Linear	0.63115	0.59020
Ethylbenzene	Averaged	0.65959	0.57584
Ethyl methacrylate	Linear	0.50039	0.42102
Hexachloro-1,3-butadiene	Linear	0.43975	0.38154
n-Hexane	Averaged	0.52447	0.44803
2-Hexanone	Averaged	0.19497	0.17898
Iodomethane	Linear	0.39167	
Isopropylbenzene (Cumene)	Averaged	1.69201	1.62265
p-Isopropyltoluene	Linear	3.37943	3.12424
Methylene Chloride	Linear	0.27005	0.22354
4-Methyl-2-pentanone (MIBK)	Averaged	0.28082	0.25257
Methyl-tert-butyl ether	Averaged	0.76040	0.62186
Naphthalene	Linear	1.81575	1.71619
n-Propylbenzene	Averaged	4.54650	4.04535
Styrene	Averaged	1.21579	1.11888
1,1,1,2-Tetrachloroethane	Averaged	0.38127	0.37478
1,1,2,2-Tetrachloroethane	Averaged	0.86665	0.87879
Tetrachloroethene	Averaged	0.61098	0.51294
Toluene	Averaged	2.00000	1.70407
1,2,3-Trichlorobenzene	Linear	0.59738	0.53440
1,2,4-Trichlorobenzene	Linear	0.76991	0.66150
1,1,1-Trichloroethane	Averaged	0.48322	0.43389
1,1,2-Trichloroethane	Averaged	0.36204	0.32578
Trichloroethene	Averaged	0.37581	0.33614
Trichlorofluoromethane	Averaged	0.36610	
1,2,3-Trichloropropane	Averaged	0.25905	0.26150
1,2,4-Trimethylbenzene	Linear	3.10566	2.93915
1,3,5-Trimethylbenzene	Linear	3.06444	2.89953
Vinyl acetate	Linear	0.41366	0.41958
Vinyl chloride	Averaged	0.33642	0.35129
m&p-Xylene	Averaged	0.79843	0.68856

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	0.69310	0.64881
4-Bromofluorobenzene (S)	Averaged	0.36909	0.38051
Dibromofluoromethane (S)	Averaged	0.24227	0.23822
Toluene-d8 (S)	Averaged	1.23051	1.14561

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-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99905	0.01663	0.04664	
Acrolein	Averaged	14.51328			0.02265	
Acrylonitrile	Averaged	15.17200			0.12781	
Benzene	Averaged	10.68292			1.34848	
Bromobenzene	Averaged	16.74492			0.70599	
Bromochloromethane	Averaged	16.84753			0.26834	
Bromodichloromethane	Averaged	11.84502			0.38962	
Bromoform	Linear		0.99975	-0.04247	0.54417	
Bromomethane	Averaged	37.35578			0.26442	
2-Butanone (MEK)	Averaged	9.47300			0.12543	
n-Butylbenzene	Linear		0.99437	0.16240	2.61557	
sec-Butylbenzene	Linear		0.99867	0.07821	3.63734	
tert-Butylbenzene	Linear		0.99918	-0.03560	3.23129	
Carbon disulfide	Averaged	16.05570			0.76502	
Carbon tetrachloride	Averaged	16.47506			0.37008	
Chlorobenzene	Averaged	9.00691			1.34197	
Chloroethane	Averaged	14.64121			0.13810	
Chloroform	Averaged	13.61917			0.66621	
Chloromethane	Averaged	14.30393			0.25967	
2-Chlorotoluene	Averaged	12.65955			2.83317	
4-Chlorotoluene	Averaged	9.05741			1.08007	
Dibromochloromethane	Linear		0.99877	-0.00575	0.45800	
1,2-Dibromoethane (EDB)	Averaged	18.33223			0.39480	
Dibromomethane	Averaged	8.14086			0.22202	
1,2-Dichlorobenzene	Linear		0.99923	0.07558	1.41193	
1,3-Dichlorobenzene	Averaged	9.87041			1.97144	
1,4-Dichlorobenzene	Averaged	10.96060			2.07770	
trans-1,4-Dichloro-2-butene	Averaged	12.48679			0.09276	
Dichlorodifluoromethane	Averaged	5.18801			0.43677	
1,1-Dichloroethane	Averaged	16.17624			0.65745	
1,2-Dichloroethane	Averaged	13.01227			0.41862	
1,1-Dichloroethene	Linear		0.99713	0.02008	0.24832	
cis-1,2-Dichloroethene	Averaged	12.43422			0.46766	
trans-1,2-Dichloroethene	Averaged	16.99793			0.43084	
1,2-Dichloropropane	Averaged	11.78844			0.31093	

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	15.05597			0.60570	
2,2-Dichloropropane	Averaged	15.19400			0.30917	
1,1-Dichloropropene	Averaged	13.94850			0.47803	
cis-1,3-Dichloropropene	Linear		0.99660	-0.01733	0.73434	
trans-1,3-Dichloropropene	Linear		0.99775	-0.04820	0.60618	
Ethylbenzene	Averaged	11.57461			0.70599	
Ethyl methacrylate	Linear		0.99195	0.01050	0.43410	
Hexachloro-1,3-butadiene	Linear		0.99376	0.01612	0.38809	
n-Hexane	Averaged	13.54214			0.51980	
2-Hexanone	Averaged	9.70463			0.19848	
Iodomethane	Linear		0.99989	-0.03532	0.39737	
Isopropylbenzene (Cumene)	Averaged	15.54001			2.00359	
p-Isopropyltoluene	Linear		0.99792	0.07492	3.15182	
Methylene Chloride	Linear		0.99324	0.08077	0.21703	
4-Methyl-2-pentanone (MIBK)	Averaged	13.57659			0.26566	
Methyl-tert-butyl ether	Averaged	12.15359			0.75018	
Naphthalene	Linear		0.99915	0.17444	1.70280	
n-Propylbenzene	Averaged	9.30636			4.56492	
Styrene	Averaged	12.37123			1.34883	
1,1,1,2-Tetrachloroethane	Averaged	16.85647			0.34890	
1,1,2,2-Tetrachloroethane	Averaged	9.29922			0.84221	
Tetrachloroethene	Averaged	10.73935			0.55541	
Toluene	Averaged	10.21238			2.02294	
1,2,3-Trichlorobenzene	Linear		0.99737	0.09021	0.52932	
1,2,4-Trichlorobenzene	Linear		0.99445	0.09548	0.66536	
1,1,1-Trichloroethane	Averaged	10.54949			0.47899	
1,1,2-Trichloroethane	Averaged	16.47973			0.31140	
Trichloroethene	Averaged	11.06415			0.37128	
Trichlorofluoromethane	Averaged	13.33661			0.49658	
1,2,3-Trichloropropane	Averaged	10.50896			0.24884	
1,2,4-Trimethylbenzene	Linear		0.99884	0.04240	2.95719	
1,3,5-Trimethylbenzene	Linear		0.99881	0.03932	2.91795	
Vinyl acetate	Linear		0.99991	-0.08732	0.42257	
Vinyl chloride	Averaged	4.48741			0.32608	
m&p-Xylene	Averaged	14.62301			0.91330	

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/02/2014 07/02/2014 Calibration Time(s): 17:34 20:45

LAB FILE ID

CAL1 = B070214.B\A04.D CAL2 = B070214.B\A05.D CAL3 = B070214.B\A06.D

CAL4 = B070214.B\A07.D CAL5 = B070214.B\A08.D CAL6 = B070214.B\A09.D

CAL7 = B070214.B\A10.D CAL8 = B070214.B\A11.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	14.81761			0.81549	
4-Bromofluorobenzene (S)	Averaged	6.34868			0.41081	
Dibromofluoromethane (S)	Averaged	6.54372			0.25967	
Toluene-d8 (S)	Averaged	4.76407			1.13196	

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-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D
CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D
CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear		0.07065	0.05555	0.05647	0.05042	0.04705
Acrolein	Averaged	0.03130	0.02150	0.02554	0.02677	0.02413	0.02095
Acrylonitrile	Averaged	0.10702	0.14339	0.11904	0.11997	0.11252	0.10767
Benzene	Averaged	0.92759	1.30354	1.13654	1.27244	1.25744	1.27250
Bromobenzene	Linear	0.62045	0.83495	0.68860	0.73780	0.69250	0.62572
Bromochloromethane	Averaged	0.21745	0.30180	0.25728	0.26876	0.25468	0.23876
Bromodichloromethane	Averaged		0.37007	0.33167	0.37915	0.38819	0.39179
Bromoform	Linear		0.29826	0.25510	0.31073	0.37106	0.51384
Bromomethane	Averaged	0.51591	0.41938	0.28828	0.27027	0.20646	0.12644
2-Butanone (MEK)	Averaged		0.12577	0.11084	0.11029	0.10997	0.11451
n-Butylbenzene	Linear		3.37139	2.81780	3.35111	2.97989	2.65816
sec-Butylbenzene	Linear		4.46035	3.82651	4.34595	3.86795	3.38694
tert-Butylbenzene	Linear	2.58365	3.68892	3.04678	3.43972	3.16031	2.81594
Carbon disulfide	Averaged	0.63675	0.80005	0.67759	0.74427	0.73737	0.72257
Carbon tetrachloride	Averaged		0.30823	0.29253	0.35802	0.37402	0.39336
Chlorobenzene	Averaged	1.01986	1.39637	1.20871	1.30538	1.29820	1.34855
Chloroethane	Averaged	0.16648	0.13330	0.13685	0.16626	0.14261	0.09796
Chloroform	Averaged	0.53828	0.70499	0.59797	0.64727	0.61786	0.59346
Chloromethane	Averaged	0.30861	0.25202	0.23215	0.22258	0.24161	0.21320
2-Chlorotoluene	Averaged	2.24353	3.13007	2.61624	2.96782	2.71988	2.73812
4-Chlorotoluene	Averaged	0.78422	1.20506	0.94842	1.08362	1.06552	1.12172
Dibromochloromethane	Linear	0.17288	0.29267	0.28421	0.33377	0.38395	0.47435
1,2-Dibromoethane (EDB)	Averaged		0.30624	0.31078	0.34754	0.37758	0.44965
Dibromomethane	Averaged	0.14928	0.21333	0.19180	0.20849	0.20740	0.20859
1,2-Dichlorobenzene	Linear		2.22394	1.72898	1.85008	1.66296	1.48922
1,3-Dichlorobenzene	Averaged	1.59638	2.25937	1.77337	1.99661	1.92026	1.92433
1,4-Dichlorobenzene	Averaged	1.77970	2.44899	1.95398	2.06480	1.99504	2.04511
trans-1,4-Dichloro-2-butene	Averaged		0.09740	0.08083	0.07993	0.08792	0.09862
Dichlorodifluoromethane	Averaged	0.49819	0.32129	0.38141	0.47537	0.41323	0.36042
1,1-Dichloroethane	Averaged	0.51197	0.69951	0.59881	0.66008	0.62627	0.59450
1,2-Dichloroethane	Averaged		0.44854	0.37704	0.40761	0.38904	0.37636
1,1-Dichloroethene	Averaged		0.30199	0.27427	0.29995	0.29467	0.27401
cis-1,2-Dichloroethene	Averaged	0.33171	0.45645	0.39889	0.44420	0.42572	0.41709
trans-1,2-Dichloroethene	Averaged	0.30561	0.44315	0.38677	0.42903	0.40805	0.39244
1,2-Dichloropropane	Averaged		0.28232	0.26283	0.28620	0.30349	0.30506

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

MSV - FORM VI VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D

CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D

CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	0.32832	0.53295	0.49903	0.55300	0.59667	0.68825
2,2-Dichloropropane	Averaged		0.21862	0.19979	0.22767	0.25216	0.28946
1,1-Dichloropropene	Averaged	0.26924	0.39985	0.37045	0.46161	0.47321	0.48504
cis-1,3-Dichloropropene	Linear		0.34470	0.33767	0.41255	0.51189	0.68967
trans-1,3-Dichloropropene	Linear		0.18995	0.19334	0.24682	0.32765	0.49934
Ethylbenzene	Averaged	0.51266	0.68874	0.63712	0.69672	0.69678	0.69007
Ethyl methacrylate	Linear		0.25276	0.24968	0.30908	0.35856	0.43256
Hexachloro-1,3-butadiene	Linear		0.73578	0.56669	0.55488	0.37350	0.32686
n-Hexane	Averaged		0.42052	0.38016	0.47895	0.48475	0.51013
2-Hexanone	Averaged	0.12919	0.19629	0.17204	0.18609	0.19090	0.20230
Iodomethane	Linear	0.15793	0.13642	0.15391	0.23819	0.29238	0.35051
Isopropylbenzene (Cumene)	Linear	1.45089	2.05264	1.84458	2.08033	2.00381	1.75977
p-Isopropyltoluene	Linear		3.76379	3.25605	3.73978	3.31055	2.89574
Methylene Chloride	Linear		1.35504	0.58955	0.46579	0.37058	0.29693
4-Methyl-2-pentanone (MIBK)	Averaged	0.15023	0.23169	0.22375	0.25128	0.25777	0.28245
Methyl-tert-butyl ether	Averaged	0.43546	0.66704	0.59817	0.65896	0.67129	0.72085
Naphthalene	Linear	2.62308	3.32705	2.68065	2.62156	2.05129	1.90511
n-Propylbenzene	Averaged	3.30637	4.79538	4.00025	4.63491	4.53600	4.45500
Styrene	Averaged	0.88941	1.36366	1.23912	1.37848	1.39141	1.33707
1,1,1,2-Tetrachloroethane	Averaged		0.26172	0.25123	0.30719	0.34140	0.38621
1,1,2,2-Tetrachloroethane	Averaged		0.93320	0.74397	0.82380	0.81688	0.90244
Tetrachloroethene	Averaged	0.35149	0.51611	0.46068	0.52909	0.54160	0.59227
Toluene	Averaged	1.50687	1.95943	1.72434	1.91092	1.89345	2.00733
1,2,3-Trichlorobenzene	Linear		1.38755	1.02278	0.94667	0.70533	0.63169
1,2,4-Trichlorobenzene	Linear		1.39502	1.04574	1.09308	0.89091	0.83487
1,1,1-Trichloroethane	Averaged	0.29804	0.43339	0.38780	0.45258	0.45937	0.46598
1,1,2-Trichloroethane	Averaged	0.17770	0.29201	0.26271	0.29065	0.30200	0.36692
Trichloroethene	Averaged	0.23744	0.33620	0.29573	0.34381	0.34611	0.36599
Trichlorofluoromethane	Averaged	0.58967	0.42148	0.48172	0.58799	0.50205	0.41518
1,2,3-Trichloropropane	Averaged	0.17135	0.26728	0.21996	0.24251	0.24218	0.26319
1,2,4-Trimethylbenzene	Linear	2.23343	3.38799	2.90192	3.26494	3.02561	2.80173
1,3,5-Trimethylbenzene	Linear	2.29939	3.29251	2.81928	3.26026	3.01124	2.72987
Vinyl acetate	Linear	0.25935	0.20271	0.28100	0.35593	0.36358	0.37863
Vinyl chloride	Averaged	0.36041	0.25250	0.29199	0.34587	0.32007	0.28324
m&p-Xylene	Averaged	0.63842	0.91445	0.82725	0.91436	0.89591	0.86990

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D

CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D

CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Linear	0.56109	0.83314	0.74748	0.83008	0.79953	0.73264
4-Bromofluorobenzene (S)	Averaged	0.42243	0.41840	0.42332	0.42129	0.41763	0.38198
Dibromofluoromethane (S)	Averaged	0.28423	0.27196	0.27144	0.27015	0.25887	0.24109
Toluene-d8 (S)	Averaged	1.11437	1.11216	1.15861	1.16168	1.16937	1.21610

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-4
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D
CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D
CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.03589	0.03736
Acrolein	Averaged	0.02164	0.01732
Acrylonitrile	Averaged	0.08009	
Benzene	Averaged	1.01546	1.09742
Bromobenzene	Linear	0.47667	0.52283
Bromochloromethane	Averaged	0.18009	0.18226
Bromodichloromethane	Averaged	0.31748	0.35887
Bromoform	Linear	0.45645	0.57804
Bromomethane	Averaged		
2-Butanone (MEK)	Averaged	0.09008	0.09512
n-Butylbenzene	Linear	2.55605	2.78537
sec-Butylbenzene	Linear	3.26143	4.03310
tert-Butylbenzene	Linear	2.75494	
Carbon disulfide	Averaged	0.55440	0.55138
Carbon tetrachloride	Averaged	0.33120	0.37688
Chlorobenzene	Averaged	1.08612	1.18649
Chloroethane	Averaged		
Chloroform	Averaged	0.46961	0.51064
Chloromethane	Averaged	0.24685	0.27012
2-Chlorotoluene	Averaged	2.24436	2.57212
4-Chlorotoluene	Averaged	0.91762	1.04275
Dibromochloromethane	Linear	0.40575	0.45747
1,2-Dibromoethane (EDB)	Averaged	0.38784	0.42112
Dibromomethane	Averaged	0.17215	0.19097
1,2-Dichlorobenzene	Linear	1.29185	1.43686
1,3-Dichlorobenzene	Averaged	1.59417	1.79554
1,4-Dichlorobenzene	Averaged	1.64618	1.80203
trans-1,4-Dichloro-2-butene	Averaged	0.08166	0.08501
Dichlorodifluoromethane	Averaged	0.41815	0.38771
1,1-Dichloroethane	Averaged	0.44643	0.45664
1,2-Dichloroethane	Averaged	0.29888	0.32754
1,1-Dichloroethene	Averaged	0.20246	0.19811
cis-1,2-Dichloroethene	Averaged	0.33506	0.36388
trans-1,2-Dichloroethene	Averaged	0.30645	0.29409
1,2-Dichloropropane	Averaged	0.24393	0.26670

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D
CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D
CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	0.57936	0.61834
2,2-Dichloropropane	Averaged	0.26965	0.33057
1,1-Dichloropropene	Averaged	0.38821	0.41892
cis-1,3-Dichloropropene	Linear	0.65951	0.73676
trans-1,3-Dichloropropene	Linear	0.51434	0.59732
Ethylbenzene	Averaged	0.55351	0.59227
Ethyl methacrylate	Linear	0.38239	0.42891
Hexachloro-1,3-butadiene	Linear	0.36772	0.38090
n-Hexane	Averaged	0.41408	0.43810
2-Hexanone	Averaged	0.16105	0.16893
Iodomethane	Linear	0.32491	0.30432
Isopropylbenzene (Cumene)	Linear	1.42049	1.62163
p-Isopropyltoluene	Linear	2.88786	3.44890
Methylene Chloride	Linear	0.21662	0.22033
4-Methyl-2-pentanone (MIBK)	Averaged	0.23399	0.24445
Methyl-tert-butyl ether	Averaged	0.59395	0.59890
Naphthalene	Linear	1.57746	1.52785
n-Propylbenzene	Averaged	3.87227	4.68847
Styrene	Averaged	1.03031	1.11424
1,1,1,2-Tetrachloroethane	Averaged	0.32547	0.37247
1,1,2,2-Tetrachloroethane	Averaged	0.74257	0.89207
Tetrachloroethene	Averaged	0.49365	0.53008
Toluene	Averaged	1.68421	1.77747
1,2,3-Trichlorobenzene	Linear	0.50678	0.48831
1,2,4-Trichlorobenzene	Linear	0.65511	0.61347
1,1,1-Trichloroethane	Averaged	0.38339	0.43020
1,1,2-Trichloroethane	Averaged	0.30696	0.32644
Trichloroethene	Averaged	0.29858	0.32818
Trichlorofluoromethane	Averaged	0.38008	
1,2,3-Trichloropropane	Averaged	0.22278	0.27056
1,2,4-Trimethylbenzene	Linear	2.64100	3.19914
1,3,5-Trimethylbenzene	Linear	2.59426	3.18522
Vinyl acetate	Linear	0.43660	0.37240
Vinyl chloride	Averaged	0.32714	0.30592
m&p-Xylene	Averaged	0.67974	0.70557

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D

CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D

CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Linear	0.57950	0.65481
4-Bromofluorobenzene (S)	Averaged	0.35909	0.35440
Dibromofluoromethane (S)	Averaged	0.23770	0.23612
Toluene-d8 (S)	Averaged	1.26345	1.23078

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-7
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D
CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D
CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99768	0.01951	0.03644	
Acrolein	Averaged	18.09878			0.02364	
Acrylonitrile	Averaged	16.80036			0.11281	
Benzene	Averaged	11.95770			1.16037	
Bromobenzene	Linear		0.99640	0.03098	0.50968	
Bromochloromethane	Averaged	17.81748			0.23764	
Bromodichloromethane	Averaged	7.83842			0.36246	
Bromoform	Linear		0.99047	-0.07292	0.56889	
Bromomethane	Averaged	46.59947			0.30446	
2-Butanone (MEK)	Averaged	11.09364			0.10808	
n-Butylbenzene	Linear		0.99818	-0.02244	2.74436	
sec-Butylbenzene	Linear		0.99091	-0.26653	3.93044	
tert-Butylbenzene	Linear		0.99956	0.07315	2.73627	
Carbon disulfide	Averaged	13.40264			0.67805	
Carbon tetrachloride	Averaged	10.89205			0.34775	
Chlorobenzene	Averaged	10.60165			1.23121	
Chloroethane	Averaged	18.04593			0.14058	
Chloroform	Averaged	13.02151			0.58501	
Chloromethane	Averaged	12.10538			0.24839	
2-Chlorotoluene	Averaged	11.75192			2.65402	
4-Chlorotoluene	Averaged	12.95066			1.02112	
Dibromochloromethane	Linear		0.99706	-0.02060	0.45215	
1,2-Dibromoethane (EDB)	Averaged	14.49165			0.37154	
Dibromomethane	Averaged	11.52579			0.19275	
1,2-Dichlorobenzene	Linear		0.99704	0.02865	1.40433	
1,3-Dichlorobenzene	Averaged	11.82458			1.85750	
1,4-Dichlorobenzene	Averaged	12.36618			1.96698	
trans-1,4-Dichloro-2-butene	Averaged	8.91285			0.08734	
Dichlorodifluoromethane	Averaged	14.29636			0.40697	
1,1-Dichloroethane	Averaged	16.23183			0.57428	
1,2-Dichloroethane	Averaged	13.20828			0.37500	
1,1-Dichloroethene	Averaged	16.97077			0.26364	
cis-1,2-Dichloroethene	Averaged	12.12457			0.39663	
trans-1,2-Dichloroethene	Averaged	16.12506			0.37070	
1,2-Dichloropropane	Averaged	8.00291			0.27865	

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D

CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D

CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	19.31607			0.54949	
2,2-Dichloropropane	Averaged	17.68206			0.25542	
1,1-Dichloropropene	Averaged	17.14377			0.40832	
cis-1,3-Dichloropropene	Linear		0.99778	-0.06755	0.73523	
trans-1,3-Dichloropropene	Linear		0.99608	-0.08234	0.59684	
Ethylbenzene	Averaged	11.47123			0.63348	
Ethyl methacrylate	Linear		0.99734	-0.02494	0.42533	
Hexachloro-1,3-butadiene	Linear		0.99866	0.00205	0.37686	
n-Hexane	Averaged	10.32510			0.44667	
2-Hexanone	Averaged	13.43530			0.17585	
Iodomethane	Linear		0.99825	0.00468	0.30864	
Isopropylbenzene (Cumene)	Linear		0.99554	0.03378	1.57936	
p-Isopropyltoluene	Linear		0.99335	-0.20766	3.37567	
Methylene Chloride	Linear		0.99791	0.05279	0.20985	
4-Methyl-2-pentanone (MIBK)	Averaged	16.47707			0.23445	
Methyl-tert-butyl ether	Averaged	13.96553			0.61808	
Naphthalene	Linear		0.99869	0.17079	1.50899	
n-Propylbenzene	Averaged	11.98380			4.28608	
Styrene	Averaged	15.38003			1.21796	
1,1,1,2-Tetrachloroethane	Averaged	16.05167			0.32081	
1,1,2,2-Tetrachloroethane	Averaged	9.09445			0.83642	
Tetrachloroethene	Averaged	14.26284			0.50187	
Toluene	Averaged	9.21933			1.80800	
1,2,3-Trichlorobenzene	Linear		0.99873	0.08455	0.47665	
1,2,4-Trichlorobenzene	Linear		0.99726	0.10504	0.60345	
1,1,1-Trichloroethane	Averaged	13.53306			0.41384	
1,1,2-Trichloroethane	Averaged	18.85787			0.29067	
Trichloroethene	Averaged	12.73310			0.31900	
Trichlorofluoromethane	Averaged	17.28357			0.48259	
1,2,3-Trichloropropane	Averaged	13.86316			0.23748	
1,2,4-Trimethylbenzene	Linear		0.99300	-0.16395	3.11940	
1,3,5-Trimethylbenzene	Linear		0.99203	-0.17868	3.10126	
Vinyl acetate	Linear		0.99367	0.02811	0.38333	
Vinyl chloride	Averaged	11.26163			0.31089	
m&p-Xylene	Averaged	14.09139			0.80570	

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: 50MV6B GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 07/03/2014 07/03/2014 Calibration Time(s): 17:23 20:34

LAB FILE ID

CAL1 = B070314CAL.B\A01.D CAL2 = B070314CAL.B\A02.D CAL3 = B070314CAL.B\A03.D

CAL4 = B070314CAL.B\A04.D CAL5 = B070314CAL.B\A05.D CAL6 = B070314CAL.B\A06.D

CAL7 = B070314CAL.B\A07.D CAL8 = B070314CAL.B\A08.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Linear		0.99590	0.01670	0.63862	
4-Bromofluorobenzene (S)	Averaged	7.45965			0.39982	
Dibromofluoromethane (S)	Averaged	7.12248			0.25895	
Toluene-d8 (S)	Averaged	4.60820			1.17831	

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

SAMPLE NO.

6929204ICV

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/02/2014 Time: 21:40

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\A13ICV.D Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	271.5656	0.0100	8.6262	20.0000
Acrolein	Averaged	0.02265	0.03102	0.0000	-1.9073	20.0000
Acrylonitrile	Averaged	0.12781	0.09697	0.0000	-11.0621	20.0000
Benzene	Averaged	1.34848	1.21223	0.5000	-1.1124	20.0000
Bromobenzene	Averaged	0.70599	0.51412	0.0000	-12.9925	20.0000
Bromochloromethane	Averaged	0.26834	0.21957	0.0000	-8.4412	20.0000
Bromodichloromethane	Averaged	0.38962	0.34728	0.2000	1.3925	20.0000
Bromoform	Linear	50	40.42840	0.1000	-19.1432	20.0000
Bromomethane	Averaged	0.26442	0.23522	0.1000	-53.0075	20.0000
2-Butanone (MEK)	Averaged	0.12543	0.11095	0.0100	-2.9841	20.0000
n-Butylbenzene	Linear	50	39.44021	0.0000	-21.1196	20.0000
sec-Butylbenzene	Linear	50	38.59459	0.0000	-22.8108	20.0000
tert-Butylbenzene	Linear	50	29.30427	0.0000	-41.3915	20.0000
Carbon disulfide	Averaged	0.76502	0.69722	0.1000	-1.7998	20.0000
Carbon tetrachloride	Averaged	0.37008	0.35847	0.1000	8.5488	20.0000
Chlorobenzene	Averaged	1.34197	1.16176	0.5000	-1.3065	20.0000
Chloroethane	Averaged	0.13810	0.13916	0.1000	-23.5385	20.0000
Chloroform	Averaged	0.66621	0.54550	0.2000	-7.1969	20.0000
Chloromethane	Averaged	0.25967	0.24087	0.1000	-17.2931	20.0000
2-Chlorotoluene	Averaged	2.83317	2.25823	0.0000	-10.4751	20.0000
4-Chlorotoluene	Averaged	1.08007	0.93314	0.0000	0.1542	20.0000
Dibromochloromethane	Linear	50	41.22649	0.1000	-17.5470	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.39480	0.38272	0.1000	12.0869	20.0000
Dibromomethane	Averaged	0.22202	0.18445	0.0000	-1.9736	20.0000
1,2-Dichlorobenzene	Linear	50	43.01272	0.4000	-13.9745	20.0000
1,3-Dichlorobenzene	Averaged	1.97144	1.62379	0.6000	-6.5036	20.0000
1,4-Dichlorobenzene	Averaged	2.07770	1.72554	0.5000	-4.7475	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.09276	0.33524	0.0000	4.9648	20.0000
Dichlorodifluoromethane	Averaged	0.43677	0.50525	0.1000	-3.1834	20.0000
1,1-Dichloroethane	Averaged	0.65745	0.55081	0.2000	-6.4172	20.0000
1,2-Dichloroethane	Averaged	0.41862	0.35008	0.1000	-5.9876	20.0000
1,1-Dichloroethene	Linear	50	47.08691	0.1000	-5.8262	20.0000
cis-1,2-Dichloroethene	Averaged	0.46766	0.37550	0.1000	-5.8307	20.0000
trans-1,2-Dichloroethene	Averaged	0.43084	0.35046	0.1000	-3.5055	20.0000
1,2-Dichloropropane	Averaged	0.31093	0.27678	0.1000	1.8163	20.0000
1,3-Dichloropropane	Averaged	0.60570	0.57893	0.0000	12.0702	20.0000

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

SAMPLE NO.

6929204ICV

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/02/2014 Time: 21:40

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\A13ICV.D Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.30917	0.31857	0.0000	6.5276	20.0000
1,1-Dichloropropene	Averaged	0.47803	0.43970	0.0000	6.4880	20.0000
cis-1,3-Dichloropropene	Linear	50	39.43580	0.2000	-21.1284	20.0000
trans-1,3-Dichloropropene	Linear	50	38.77644	0.1000	-22.4471	20.0000
Ethylbenzene	Averaged	0.70599	0.58638	0.1000	-3.4079	20.0000
Ethyl methacrylate	Linear	50	174.6911	0.0000	249.3824	20.0000
Hexachloro-1,3-butadiene	Linear	50	34.36238	0.0000	-31.2752	20.0000
n-Hexane	Averaged	0.51980	0.46165	0.0000	4.1320	20.0000
2-Hexanone	Averaged	0.19848	0.18017	0.0500	2.5672	20.0000
Iodomethane	Linear	100	69.38712	0.0000	-30.6129	20.0000
Isopropylbenzene (Cumene)	Averaged	2.00359	1.56652	0.1000	-14.6537	20.0000
p-Isopropyltoluene	Linear	50	36.56269	0.0000	-26.8746	20.0000
Methylene Chloride	Linear	50	47.01335	0.1000	-5.9733	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.26566	0.24347	0.0500	7.0090	20.0000
Methyl-tert-butyl ether	Averaged	0.75018	0.68705	0.1000	5.5758	20.0000
Naphthalene	Linear	50	46.56022	0.0000	-6.8796	20.0000
n-Propylbenzene	Averaged	4.56492	3.81759	0.0000	-5.8842	20.0000
Styrene	Averaged	1.34883	1.17133	0.3000	-2.7372	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.34890	0.31922	0.0000	7.0911	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.84221	0.73082	0.3000	1.9352	20.0000
Tetrachloroethene	Averaged	0.55541	0.47359	0.2000	6.2099	20.0000
Toluene	Averaged	2.02294	1.73877	0.4000	-1.5669	20.0000
1,2,3-Trichlorobenzene	Linear	50	45.96489	0.0000	-8.0702	20.0000
1,2,4-Trichlorobenzene	Linear	50	46.03824	0.2000	-7.9235	20.0000
1,1,1-Trichloroethane	Averaged	0.47899	0.43573	0.1000	1.5842	20.0000
1,1,2-Trichloroethane	Averaged	0.31140	0.30906	0.1000	13.9769	20.0000
Trichloroethene	Averaged	0.37128	0.33595	0.2000	3.6047	20.0000
Trichlorofluoromethane	Averaged	0.49658	0.49818	0.1000	-4.9889	20.0000
1,2,3-Trichloropropane	Averaged	0.24884	0.22120	0.0000	3.4471	20.0000
1,2,4-Trimethylbenzene	Linear	50	38.56158	0.0000	-22.8768	20.0000
1,3,5-Trimethylbenzene	Linear	50	38.24372	0.0000	-23.5126	20.0000
Vinyl acetate	Linear	200	219.1534	0.0000	9.5767	20.0000
Vinyl chloride	Averaged	0.32608	0.35576	0.1000	-1.7028	20.0000
m&p-Xylene	Averaged	0.91330	0.75645	0.1000	-6.5316	20.0000
o-Xylene	Averaged	0.81549	0.64782	0.3000	-12.4171	20.0000
4-Bromofluorobenzene (S)	Averaged	0.41081	0.39260	0.1000	-4.2951	20.0000

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

SAMPLE NO.

6929204ICV

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/02/2014 Time: 21:40

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\A13ICV.D Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25967	0.24926	0.1000	-4.9101	20.0000
Toluene-d8 (S)	Averaged	1.13196	1.16350	0.1000	3.9917	20.0000

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

SAMPLE NO.

6929428CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 03:07

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\C01CCV.D Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	250.1775	0.0100	0.0710	20.0000
Acrolein	Averaged	0.02265	0.02274	0.0000	0.3671	20.0000
Acrylonitrile	Averaged	0.12781	0.11132	0.0000	-12.8979	20.0000
Benzene	Averaged	1.34848	1.28993	0.5000	-4.3419	20.0000
Bromobenzene	Averaged	0.70599	0.58928	0.0000	-16.5306	20.0000
Bromochloromethane	Averaged	0.26834	0.24233	0.0000	-9.6944	20.0000
Bromodichloromethane	Averaged	0.38962	0.38386	0.2000	-1.4789	20.0000
Bromoform	Linear	50	42.84751	0.1000	-14.3050	20.0000
Bromomethane	Averaged	0.26442	0.14865	0.1000	-43.7830	20.0000
2-Butanone (MEK)	Averaged	0.12543	0.11648	0.0100	-7.1367	20.0000
n-Butylbenzene	Linear	50	40.99447	0.0000	-18.0111	20.0000
sec-Butylbenzene	Linear	50	40.43945	0.0000	-19.1211	20.0000
tert-Butylbenzene	Linear	50	39.16047	0.0000	-21.6791	20.0000
Carbon disulfide	Averaged	0.76502	0.73735	0.1000	-3.6167	20.0000
Carbon tetrachloride	Averaged	0.37008	0.37084	0.1000	0.2072	20.0000
Chlorobenzene	Averaged	1.34197	1.26449	0.5000	-5.7730	20.0000
Chloroethane	Averaged	0.13810	0.10598	0.1000	-23.2578	20.0000
Chloroform	Averaged	0.66621	0.59818	0.2000	-10.2111	20.0000
Chloromethane	Averaged	0.25967	0.24289	0.1000	-6.4623	20.0000
2-Chlorotoluene	Averaged	2.83317	2.44949	0.0000	-13.5423	20.0000
4-Chlorotoluene	Averaged	1.08007	0.99147	0.0000	-8.2036	20.0000
Dibromochloromethane	Linear	50	46.27426	0.1000	-7.4515	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.39480	0.41873	0.1000	6.0602	20.0000
Dibromomethane	Averaged	0.22202	0.21236	0.0000	-4.3511	20.0000
1,2-Dichlorobenzene	Linear	50	44.98664	0.4000	-10.0267	20.0000
1,3-Dichlorobenzene	Averaged	1.97144	1.70807	0.6000	-13.3592	20.0000
1,4-Dichlorobenzene	Averaged	2.07770	1.83459	0.5000	-11.7013	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.09276	0.08388	0.0000	-9.5689	20.0000
Dichlorodifluoromethane	Averaged	0.43677	0.43292	0.1000	-0.8817	20.0000
1,1-Dichloroethane	Averaged	0.65745	0.59543	0.2000	-9.4324	20.0000
1,2-Dichloroethane	Averaged	0.41862	0.38377	0.1000	-8.3234	20.0000
1,1-Dichloroethene	Linear	50	53.03805	0.1000	6.0761	20.0000
cis-1,2-Dichloroethene	Averaged	0.46766	0.42293	0.1000	-9.5645	20.0000
trans-1,2-Dichloroethene	Averaged	0.43084	0.39535	0.1000	-8.2384	20.0000
1,2-Dichloropropane	Averaged	0.31093	0.30637	0.1000	-1.4684	20.0000
1,3-Dichloropropane	Averaged	0.60570	0.64664	0.0000	6.7592	20.0000

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

SAMPLE NO.

6929428CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 03:07

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\C01CCV.D Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.30917	0.28099	0.0000	-9.1157	20.0000
1,1-Dichloropropene	Averaged	0.47803	0.48656	0.0000	1.7858	20.0000
cis-1,3-Dichloropropene	Linear	50	42.75581	0.2000	-14.4884	20.0000
trans-1,3-Dichloropropene	Linear	50	39.68370	0.1000	-20.6326	20.0000
Ethylbenzene	Averaged	0.70599	0.64912	0.1000	-8.0555	20.0000
Ethyl methacrylate	Linear	50	43.36992	0.0000	-13.2602	20.0000
Hexachloro-1,3-butadiene	Linear	50	35.72289	0.0000	-28.5542	20.0000
n-Hexane	Averaged	0.51980	0.51510	0.0000	-0.9031	20.0000
2-Hexanone	Averaged	0.19848	0.19055	0.0500	-3.9933	20.0000
Iodomethane	Linear	100	83.16884	0.0000	-16.8312	20.0000
Isopropylbenzene (Cumene)	Averaged	2.00359	1.66423	0.1000	-16.9379	20.0000
p-Isopropyltoluene	Linear	50	39.77223	0.0000	-20.4555	20.0000
Methylene Chloride	Linear	50	55.13406	0.1000	10.2681	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.26566	0.26726	0.0500	0.6020	20.0000
Methyl-tert-butyl ether	Averaged	0.75018	0.75033	0.1000	0.0198	20.0000
Naphthalene	Linear	50	46.75949	0.0000	-6.4810	20.0000
n-Propylbenzene	Averaged	4.56492	3.93478	0.0000	-13.8040	20.0000
Styrene	Averaged	1.34883	1.25081	0.3000	-7.2672	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.34890	0.34880	0.0000	-0.0305	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.84221	0.81266	0.3000	-3.5097	20.0000
Tetrachloroethene	Averaged	0.55541	0.56913	0.2000	2.4701	20.0000
Toluene	Averaged	2.02294	1.89346	0.4000	-6.4008	20.0000
1,2,3-Trichlorobenzene	Linear	50	43.40159	0.0000	-13.1968	20.0000
1,2,4-Trichlorobenzene	Linear	50	45.20341	0.2000	-9.5932	20.0000
1,1,1-Trichloroethane	Averaged	0.47899	0.45802	0.1000	-4.3769	20.0000
1,1,2-Trichloroethane	Averaged	0.31140	0.34170	0.1000	9.7308	20.0000
Trichloroethene	Averaged	0.37128	0.36774	0.2000	-0.9531	20.0000
Trichlorofluoromethane	Averaged	0.49658	0.48956	0.1000	-1.4145	20.0000
1,2,3-Trichloropropane	Averaged	0.24884	0.24127	0.0000	-3.0414	20.0000
1,2,4-Trimethylbenzene	Linear	50	40.52464	0.0000	-18.9507	20.0000
1,3,5-Trimethylbenzene	Linear	50	41.14438	0.0000	-17.7112	20.0000
Vinyl acetate	Linear	200	192.1999	0.0000	-3.9000	20.0000
Vinyl chloride	Averaged	0.32608	0.33980	0.1000	4.2074	20.0000
m&p-Xylene	Averaged	0.91330	0.81918	0.1000	-10.3055	20.0000
o-Xylene	Averaged	0.81549	0.69252	0.3000	-15.0799	20.0000
4-Bromofluorobenzene (S)	Averaged	0.41081	0.39465	0.1000	-3.9335	20.0000

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

SAMPLE NO.

6929428CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/03/2014 Time: 03:07

Instrument ID: 50MV6B GC Column: Col 1
Init. Calib. Date(s): 07/02/2014 07/02/2014

Lab File ID: B070214.B\C01CCV.D
Init. Calib. Time(s): 17:34 20:45

SDG No.: 5099765

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25967	0.24854	0.1000	-4.2863	20.0000
Toluene-d8 (S)	Averaged	1.13196	1.17227	0.1000	3.5611	20.0000

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

SAMPLE NO.

6932533CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 19:40

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A06CCV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	295.9875	0.0100	18.3950	20.0000
Acrolein	Averaged	0.02364	0.02095	0.0000	-11.4048	20.0000
Acrylonitrile	Averaged	0.11281	0.10767	0.0000	-4.5574	20.0000
Benzene	Averaged	1.16037	1.27250	0.5000	9.6631	20.0000
Bromobenzene	Linear	50	58.34468	0.0000	16.6894	20.0000
Bromochloromethane	Averaged	0.23764	0.23876	0.0000	0.4735	20.0000
Bromodichloromethane	Averaged	0.36246	0.39179	0.2000	8.0932	20.0000
Bromoform	Linear	50	51.57060	0.1000	3.1412	20.0000
Bromomethane	Averaged	0.30446	0.12644	0.1000	-58.4700	20.0000
2-Butanone (MEK)	Averaged	0.10808	0.11451	0.0100	5.9442	20.0000
n-Butylbenzene	Linear	50	48.83844	0.0000	-2.3231	20.0000
sec-Butylbenzene	Linear	50	46.47652	0.0000	-7.0470	20.0000
tert-Butylbenzene	Linear	50	50.11902	0.0000	0.2380	20.0000
Carbon disulfide	Averaged	0.67805	0.72257	0.1000	6.5661	20.0000
Carbon tetrachloride	Averaged	0.34775	0.39336	0.1000	13.1150	20.0000
Chlorobenzene	Averaged	1.23121	1.34855	0.5000	9.5305	20.0000
Chloroethane	Averaged	0.14058	0.09796	0.1000	-30.3157	20.0000
Chloroform	Averaged	0.58501	0.59346	0.2000	1.4450	20.0000
Chloromethane	Averaged	0.24839	0.21320	0.1000	-14.1683	20.0000
2-Chlorotoluene	Averaged	2.65402	2.73812	0.0000	3.1688	20.0000
4-Chlorotoluene	Averaged	1.02112	1.12172	0.0000	9.8522	20.0000
Dibromochloromethane	Linear	50	54.73305	0.1000	9.4661	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.37154	0.44965	0.1000	21.0243	20.0000
Dibromomethane	Averaged	0.19275	0.20859	0.0000	8.2168	20.0000
1,2-Dichlorobenzene	Linear	50	52.00250	0.4000	4.0050	20.0000
1,3-Dichlorobenzene	Averaged	1.85750	1.92433	0.6000	3.5975	20.0000
1,4-Dichlorobenzene	Averaged	1.96698	2.04511	0.5000	3.9719	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.08734	0.09862	0.0000	12.9121	20.0000
Dichlorodifluoromethane	Averaged	0.40697	0.36042	0.1000	-11.4388	20.0000
1,1-Dichloroethane	Averaged	0.57428	0.59450	0.2000	3.5221	20.0000
1,2-Dichloroethane	Averaged	0.37500	0.37636	0.1000	0.3615	20.0000
1,1-Dichloroethene	Averaged	0.26364	0.27401	0.1000	3.9348	20.0000
cis-1,2-Dichloroethene	Averaged	0.39663	0.41709	0.1000	5.1604	20.0000
trans-1,2-Dichloroethene	Averaged	0.37070	0.39244	0.1000	5.8650	20.0000
1,2-Dichloropropane	Averaged	0.27865	0.30506	0.1000	9.4796	20.0000
1,3-Dichloropropane	Averaged	0.54949	0.68825	0.0000	25.2526	20.0000

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

SAMPLE NO.

6932533CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 19:40

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A06CCV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.25542	0.28946	0.0000	13.3290	20.0000
1,1-Dichloropropene	Averaged	0.40832	0.48504	0.0000	18.7894	20.0000
cis-1,3-Dichloropropene	Linear	50	51.49516	0.2000	2.9903	20.0000
trans-1,3-Dichloropropene	Linear	50	48.73032	0.1000	-2.5393	20.0000
Ethylbenzene	Averaged	0.63348	0.69007	0.1000	8.9322	20.0000
Ethyl methacrylate	Linear	50	53.78122	0.0000	7.5625	20.0000
Hexachloro-1,3-butadiene	Linear	50	43.09356	0.0000	-13.8129	20.0000
n-Hexane	Averaged	0.44667	0.51013	0.0000	14.2069	20.0000
2-Hexanone	Averaged	0.17585	0.20230	0.0500	15.0429	20.0000
Iodomethane	Linear	100	112.8053	0.0000	12.8053	20.0000
Isopropylbenzene (Cumene)	Linear	50	54.64197	0.1000	9.2840	20.0000
p-Isopropyltoluene	Linear	50	45.96717	0.0000	-8.0657	20.0000
Methylene Chloride	Linear	50	58.16996	0.1000	16.3399	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.23445	0.28245	0.0500	20.4743	20.0000
Methyl-tert-butyl ether	Averaged	0.61808	0.72085	0.1000	16.6275	20.0000
Naphthalene	Linear	50	57.46621	0.0000	14.9324	20.0000
n-Propylbenzene	Averaged	4.28608	4.45500	0.0000	3.9411	20.0000
Styrene	Averaged	1.21796	1.33707	0.3000	9.7788	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.32081	0.38621	0.0000	20.3848	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.83642	0.90244	0.3000	7.8937	20.0000
Tetrachloroethene	Averaged	0.50187	0.59227	0.2000	18.0113	20.0000
Toluene	Averaged	1.80800	2.00733	0.4000	11.0249	20.0000
1,2,3-Trichlorobenzene	Linear	50	57.39390	0.0000	14.7878	20.0000
1,2,4-Trichlorobenzene	Linear	50	60.47142	0.2000	20.9429	20.0000
1,1,1-Trichloroethane	Averaged	0.41384	0.46598	0.1000	12.5986	20.0000
1,1,2-Trichloroethane	Averaged	0.29067	0.36692	0.1000	26.2301	20.0000
Trichloroethene	Averaged	0.31900	0.36599	0.2000	14.7280	20.0000
Trichlorofluoromethane	Averaged	0.48259	0.41518	0.1000	-13.9692	20.0000
1,2,3-Trichloropropane	Averaged	0.23748	0.26319	0.0000	10.8270	20.0000
1,2,4-Trimethylbenzene	Linear	50	47.53600	0.0000	-4.9280	20.0000
1,3,5-Trimethylbenzene	Linear	50	46.89290	0.0000	-6.2142	20.0000
Vinyl acetate	Linear	200	193.8830	0.0000	-3.0585	20.0000
Vinyl chloride	Averaged	0.31089	0.28324	0.1000	-8.8946	20.0000
m&p-Xylene	Averaged	0.80570	0.86990	0.1000	7.9684	20.0000
o-Xylene	Linear	50	56.05397	0.3000	12.1079	20.0000
4-Bromofluorobenzene (S)	Averaged	0.39982	0.38198	0.1000	-4.4608	20.0000

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

SAMPLE NO.

6932533CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/03/2014 Time: 19:40

Instrument ID: 50MV6B GC Column: Col 1
Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A06CCV.D
Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25895	0.24109	0.1000	-6.8946	20.0000
Toluene-d8 (S)	Averaged	1.17831	1.21610	0.1000	3.2066	20.0000

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

SAMPLE NO.

6932531ICV

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 21:29

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A10ICV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	280.7585	0.0100	12.3034	20.0000
Acrolein	Averaged	0.02364	0.03354	0.0000	-1.0891	20.0000
Acrylonitrile	Averaged	0.11281	0.09483	0.0000	-13.9426	20.0000
Benzene	Averaged	1.16037	1.18823	0.5000	-1.0398	20.0000
Bromobenzene	Linear	50	48.37536	0.0000	-3.2493	20.0000
Bromochloromethane	Averaged	0.23764	0.21436	0.0000	-6.8246	20.0000
Bromodichloromethane	Averaged	0.36246	0.34332	0.2000	-2.1711	20.0000
Bromoform	Linear	50	45.99223	0.1000	-8.0155	20.0000
Bromomethane	Averaged	0.30446	0.21231	0.1000	-46.5965	20.0000
2-Butanone (MEK)	Averaged	0.10808	0.10513	0.0100	-7.8687	20.0000
n-Butylbenzene	Linear	50	42.55323	0.0000	-14.8935	20.0000
sec-Butylbenzene	Linear	50	42.30104	0.0000	-15.3979	20.0000
tert-Butylbenzene	Linear	50	34.96321	0.0000	-30.0736	20.0000
Carbon disulfide	Averaged	0.67805	0.67717	0.1000	-2.7699	20.0000
Carbon tetrachloride	Averaged	0.34775	0.35221	0.1000	-1.7718	20.0000
Chlorobenzene	Averaged	1.23121	1.18953	0.5000	-3.6743	20.0000
Chloroethane	Averaged	0.14058	0.12848	0.1000	-19.2237	20.0000
Chloroform	Averaged	0.58501	0.53495	0.2000	-6.8098	20.0000
Chloromethane	Averaged	0.24839	0.21945	0.1000	-18.9541	20.0000
2-Chlorotoluene	Averaged	2.65402	2.43091	0.0000	-12.9137	20.0000
4-Chlorotoluene	Averaged	1.02112	0.99185	0.0000	-6.2779	20.0000
Dibromochloromethane	Linear	50	45.44278	0.1000	-9.1144	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.37154	0.40244	0.1000	3.8741	20.0000
Dibromomethane	Averaged	0.19275	0.17794	0.0000	-1.8578	20.0000
1,2-Dichlorobenzene	Linear	50	46.92193	0.4000	-6.1561	20.0000
1,3-Dichlorobenzene	Averaged	1.85750	1.71905	0.6000	-13.3858	20.0000
1,4-Dichlorobenzene	Averaged	1.96698	1.84985	0.5000	-12.7508	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.08734	0.35175	0.0000	-11.5968	20.0000
Dichlorodifluoromethane	Averaged	0.40697	0.51646	0.1000	3.5532	20.0000
1,1-Dichloroethane	Averaged	0.57428	0.53569	0.2000	-4.7658	20.0000
1,2-Dichloroethane	Averaged	0.37500	0.34218	0.1000	-8.0219	20.0000
1,1-Dichloroethene	Averaged	0.26364	0.24312	0.1000	-5.3698	20.0000
cis-1,2-Dichloroethene	Averaged	0.39663	0.36687	0.1000	-4.9900	20.0000
trans-1,2-Dichloroethene	Averaged	0.37070	0.34388	0.1000	-4.5387	20.0000
1,2-Dichloropropane	Averaged	0.27865	0.27075	0.1000	-2.5350	20.0000
1,3-Dichloropropane	Averaged	0.54949	0.60860	0.0000	10.8712	20.0000

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

SAMPLE NO.

6932531ICV

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 21:29

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A10ICV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.25542	0.28789	0.0000	-15.6687	20.0000
1,1-Dichloropropene	Averaged	0.40832	0.43195	0.0000	5.3277	20.0000
cis-1,3-Dichloropropene	Linear	50	44.12723	0.2000	-11.7455	20.0000
trans-1,3-Dichloropropene	Linear	50	43.32743	0.1000	-13.3451	20.0000
Ethylbenzene	Averaged	0.63348	0.59881	0.1000	-4.7635	20.0000
Ethyl methacrylate	Linear	50	191.5574	0.0000	283.1149	20.0000
Hexachloro-1,3-butadiene	Linear	50	38.32491	0.0000	-23.3502	20.0000
n-Hexane	Averaged	0.44667	0.45206	0.0000	0.6623	20.0000
2-Hexanone	Averaged	0.17585	0.18414	0.0500	-2.5553	20.0000
Iodomethane	Linear	100	85.09652	0.0000	-14.9035	20.0000
Isopropylbenzene (Cumene)	Linear	50	49.06652	0.1000	-1.8669	20.0000
p-Isopropyltoluene	Linear	50	40.57062	0.0000	-18.8587	20.0000
Methylene Chloride	Linear	50	48.21552	0.1000	-3.5690	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.23445	0.26016	0.0500	3.0667	20.0000
Methyl-tert-butyl ether	Averaged	0.61808	0.65621	0.1000	-1.3088	20.0000
Naphthalene	Linear	50	56.79947	0.0000	13.5990	20.0000
n-Propylbenzene	Averaged	4.28608	4.15684	0.0000	-7.9038	20.0000
Styrene	Averaged	1.21796	1.18239	0.3000	-4.1862	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.32081	0.33265	0.0000	5.7789	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.83642	0.80221	0.3000	-5.1647	20.0000
Tetrachloroethene	Averaged	0.50187	0.48900	0.2000	2.9295	20.0000
Toluene	Averaged	1.80800	1.81482	0.4000	-1.6998	20.0000
1,2,3-Trichlorobenzene	Linear	50	54.61187	0.0000	9.2237	20.0000
1,2,4-Trichlorobenzene	Linear	50	51.79059	0.2000	3.5812	20.0000
1,1,1-Trichloroethane	Averaged	0.41384	0.42020	0.1000	-2.2425	20.0000
1,1,2-Trichloroethane	Averaged	0.29067	0.32298	0.1000	10.7715	20.0000
Trichloroethene	Averaged	0.31900	0.32743	0.2000	0.9517	20.0000
Trichlorofluoromethane	Averaged	0.48259	0.51054	0.1000	1.4248	20.0000
1,2,3-Trichloropropane	Averaged	0.23748	0.23938	0.0000	-0.8063	20.0000
1,2,4-Trimethylbenzene	Linear	50	42.62850	0.0000	-14.7430	20.0000
1,3,5-Trimethylbenzene	Linear	50	42.22323	0.0000	-15.5535	20.0000
Vinyl acetate	Linear	200	229.5281	0.0000	14.7641	20.0000
Vinyl chloride	Averaged	0.31089	0.34359	0.1000	3.3637	20.0000
m&p-Xylene	Averaged	0.80570	0.76887	0.1000	-5.8419	20.0000
o-Xylene	Linear	50	50.68200	0.3000	1.3640	20.0000
4-Bromofluorobenzene (S)	Averaged	0.39982	0.37265	0.1000	-5.7178	20.0000

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

SAMPLE NO.

6932531ICV

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/03/2014 Time: 21:29

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\A10ICV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25895	0.24263	0.1000	-4.4653	20.0000
Toluene-d8 (S)	Averaged	1.17831	1.21613	0.1000	3.3663	20.0000

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

SAMPLE NO.

6932532CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/04/2014 Time: 03:51

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\C01CCV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	263.3800	0.0100	5.3520	20.0000
Acrolein	Averaged	0.02364	0.02339	0.0000	-1.0891	20.0000
Acrylonitrile	Averaged	0.11281	0.09709	0.0000	-13.9426	20.0000
Benzene	Averaged	1.16037	1.14830	0.5000	-1.0398	20.0000
Bromobenzene	Linear	50	51.23788	0.0000	2.4758	20.0000
Bromochloromethane	Averaged	0.23764	0.22142	0.0000	-6.8246	20.0000
Bromodichloromethane	Averaged	0.36246	0.35459	0.2000	-2.1711	20.0000
Bromoform	Linear	50	45.57920	0.1000	-8.8416	20.0000
Bromomethane	Averaged	0.30446	0.16259	0.1000	-46.5965	20.0000
2-Butanone (MEK)	Averaged	0.10808	0.09958	0.0100	-7.8687	20.0000
n-Butylbenzene	Linear	50	38.87850	0.0000	-22.2430	20.0000
sec-Butylbenzene	Linear	50	40.51173	0.0000	-18.9765	20.0000
tert-Butylbenzene	Linear	50	43.12974	0.0000	-13.7405	20.0000
Carbon disulfide	Averaged	0.67805	0.65927	0.1000	-2.7699	20.0000
Carbon tetrachloride	Averaged	0.34775	0.34159	0.1000	-1.7718	20.0000
Chlorobenzene	Averaged	1.23121	1.18597	0.5000	-3.6743	20.0000
Chloroethane	Averaged	0.14058	0.11355	0.1000	-19.2237	20.0000
Chloroform	Averaged	0.58501	0.54517	0.2000	-6.8098	20.0000
Chloromethane	Averaged	0.24839	0.20131	0.1000	-18.9541	20.0000
2-Chlorotoluene	Averaged	2.65402	2.31129	0.0000	-12.9137	20.0000
4-Chlorotoluene	Averaged	1.02112	0.95701	0.0000	-6.2779	20.0000
Dibromochloromethane	Linear	50	47.80608	0.1000	-4.3878	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.37154	0.38593	0.1000	3.8741	20.0000
Dibromomethane	Averaged	0.19275	0.18917	0.0000	-1.8578	20.0000
1,2-Dichlorobenzene	Linear	50	45.26971	0.4000	-9.4606	20.0000
1,3-Dichlorobenzene	Averaged	1.85750	1.60886	0.6000	-13.3858	20.0000
1,4-Dichlorobenzene	Averaged	1.96698	1.71617	0.5000	-12.7508	20.0000
trans-1,4-Dichloro-2-butene	Averaged	0.08734	0.07721	0.0000	-11.5968	20.0000
Dichlorodifluoromethane	Averaged	0.40697	0.42143	0.1000	3.5532	20.0000
1,1-Dichloroethane	Averaged	0.57428	0.54691	0.2000	-4.7658	20.0000
1,2-Dichloroethane	Averaged	0.37500	0.34492	0.1000	-8.0219	20.0000
1,1-Dichloroethene	Averaged	0.26364	0.24948	0.1000	-5.3698	20.0000
cis-1,2-Dichloroethene	Averaged	0.39663	0.37683	0.1000	-4.9900	20.0000
trans-1,2-Dichloroethene	Averaged	0.37070	0.35387	0.1000	-4.5387	20.0000
1,2-Dichloropropane	Averaged	0.27865	0.27158	0.1000	-2.5350	20.0000
1,3-Dichloropropane	Averaged	0.54949	0.60923	0.0000	10.8712	20.0000

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

SAMPLE NO.

6932532CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/04/2014 Time: 03:51

Instrument ID: 50MV6B GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\C01CCV.D Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	0.25542	0.21540	0.0000	-15.6687	20.0000
1,1-Dichloropropene	Averaged	0.40832	0.43007	0.0000	5.3277	20.0000
cis-1,3-Dichloropropene	Linear	50	42.84399	0.2000	-14.3120	20.0000
trans-1,3-Dichloropropene	Linear	50	39.90908	0.1000	-20.1818	20.0000
Ethylbenzene	Averaged	0.63348	0.60331	0.1000	-4.7635	20.0000
Ethyl methacrylate	Linear	50	44.84781	0.0000	-10.3044	20.0000
Hexachloro-1,3-butadiene	Linear	50	31.31921	0.0000	-37.3616	20.0000
n-Hexane	Averaged	0.44667	0.44963	0.0000	0.6623	20.0000
2-Hexanone	Averaged	0.17585	0.17136	0.0500	-2.5553	20.0000
Iodomethane	Linear	100	82.81316	0.0000	-17.1868	20.0000
Isopropylbenzene (Cumene)	Linear	50	47.61511	0.1000	-4.7698	20.0000
p-Isopropyltoluene	Linear	50	38.83945	0.0000	-22.3211	20.0000
Methylene Chloride	Linear	50	52.13736	0.1000	4.2747	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.23445	0.24164	0.0500	3.0667	20.0000
Methyl-tert-butyl ether	Averaged	0.61808	0.60999	0.1000	-1.3088	20.0000
Naphthalene	Linear	50	46.79525	0.0000	-6.4095	20.0000
n-Propylbenzene	Averaged	4.28608	3.94732	0.0000	-7.9038	20.0000
Styrene	Averaged	1.21796	1.16698	0.3000	-4.1862	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.32081	0.33935	0.0000	5.7789	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.83642	0.79322	0.3000	-5.1647	20.0000
Tetrachloroethene	Averaged	0.50187	0.51657	0.2000	2.9295	20.0000
Toluene	Averaged	1.80800	1.77727	0.4000	-1.6998	20.0000
1,2,3-Trichlorobenzene	Linear	50	43.42186	0.0000	-13.1563	20.0000
1,2,4-Trichlorobenzene	Linear	50	41.94524	0.2000	-16.1095	20.0000
1,1,1-Trichloroethane	Averaged	0.41384	0.40456	0.1000	-2.2425	20.0000
1,1,2-Trichloroethane	Averaged	0.29067	0.32198	0.1000	10.7715	20.0000
Trichloroethene	Averaged	0.31900	0.32204	0.2000	0.9517	20.0000
Trichlorofluoromethane	Averaged	0.48259	0.48947	0.1000	1.4248	20.0000
1,2,3-Trichloropropane	Averaged	0.23748	0.23556	0.0000	-0.8063	20.0000
1,2,4-Trimethylbenzene	Linear	50	40.43081	0.0000	-19.1384	20.0000
1,3,5-Trimethylbenzene	Linear	50	40.66308	0.0000	-18.6738	20.0000
Vinyl acetate	Linear	200	210.7750	0.0000	5.3875	20.0000
Vinyl chloride	Averaged	0.31089	0.32135	0.1000	3.3637	20.0000
m&p-Xylene	Averaged	0.80570	0.75863	0.1000	-5.8419	20.0000
o-Xylene	Linear	50	48.56729	0.3000	-2.8654	20.0000
4-Bromofluorobenzene (S)	Averaged	0.39982	0.37696	0.1000	-5.7178	20.0000

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

SAMPLE NO.

6932532CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/04/2014 Time: 03:51

Instrument ID: 50MV6B GC Column: Col 1
Init. Calib. Date(s): 07/03/2014 07/03/2014

Lab File ID: B070314CAL.B\C01CCV.D
Init. Calib. Time(s): 17:23 20:34

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.25895	0.24738	0.1000	-4.4653	20.0000
Toluene-d8 (S)	Averaged	1.17831	1.21798	0.1000	3.3663	20.0000

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

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

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Sample ID : 6929428CCV Init. Calib. Date: 07/02/2014 Time: 07/02/2014

Instrument ID: 50MV6B GC Column: Col 1 Date Analyzed: 07/03/2014

Lab File ID: B070214.B\C01CCV.D Time Analyzed: 03:07

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		412580	7.133	190366	8.486	590278	4.067
UPPER LIMIT		825160	7.633	380732	8.986	1180556	4.567
LOWER LIMIT		206290	6.633	95183	7.986	295139	3.567
LAB SAMPLE ID	SAMPLE NO.						
1122264	1122264BLANK	424362	7.133	250253	8.486	490159	4.067
1122265	1122265LCS	406390	7.133	180663	8.486	573696	4.073
5099765001	P-10 (2-4)	405306	7.133	231076	8.486	474778	4.073
5099765002	P-10 (12-14)	397319	7.133	225985	8.486	458120	4.073
5099765003	TMW-10 (3-5)	416239	7.133	231927	8.486	505953	4.073

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.: 5099765 Contract: Sibley-Accucast

Sample ID : 6932529CAL6 Init. Calib. Date: 07/03/2014 Time: 07/03/2014

Instrument ID: 50MV6B GC Column: Col 1 Date Analyzed: 07/03/2014

Lab File ID: B070314CAL.B\A06.D Time Analyzed: 19:40

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		388459	7.133	171748	8.486	599974	4.067
UPPER LIMIT		776918	7.633	343496	8.986	1199948	4.567
LOWER LIMIT		194229.5	6.633	85874	7.986	299987	3.567
LAB SAMPLE ID	SAMPLE NO.						
1123194	1123194BLANK	410343	7.133	234651	8.486	492721	4.067
1123195	1123195LCS	402565	7.133	177194	8.486	606561	4.067
5099765004	TMW-10 (10-12)	403757	7.133	226114	8.486	501125	4.067
5099765005	TMW-2 (3-5)	402674	7.133	219682	8.486	492789	4.062
5099765006	TMW-2 (13-15)	391910	7.133	220929	8.486	486418	4.073
5099765007	P-1 (1-3)	401542	7.133	213222	8.486	568658	4.067
5099765008	P-1 (18-20)	341794	7.133	190127	8.486	424035	4.062
5099765009	TMW-1 (1-3)	388988	7.133	208346	8.486	490378	4.067
5099765010	TMW-1 (11-13)	392564	7.133	217690	8.486	494445	4.073
5099765011	TMW-8 (1-3)	352774	7.133	166790	8.486	470784	4.068
5099765012	TMW-8 (10-12)	374876	7.133	207569	8.486	457454	4.067
5099765013	P-2 (1-3)	365227	7.133	204751	8.486	455498	4.073

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.: 5099765 Contract: Sibley-Accucast

Sample ID : 6932532CCV Init. Calib. Date: 07/03/2014 Time: 07/03/2014

Instrument ID: 50MV6B GC Column: Col 1 Date Analyzed: 07/04/2014

Lab File ID: B070314CAL.B\C01CCV.D Time Analyzed: 03:51

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		377297	7.133	165999	8.486	575614	4.067
UPPER LIMIT		754594	7.633	331998	8.986	1151228	4.567
LOWER LIMIT		188648.5	6.633	82999.5	7.986	287807	3.567
LAB SAMPLE ID	SAMPLE NO.						
1123224	1123224BLANK	390381	7.133	219141	8.486	475677	4.067
1123225	1123225LCS	359840	7.133	158371	8.486	557309	4.062
5099765014	P-2 (18-20)	380390	7.133	211436	8.486	472915	4.067
5099765015	Subsurf-Dup	377496	7.133	206869	8.486	463997	4.073
5099765016	Trip Blank-2	368591	7.133	202739	8.486	451942	4.068

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

SAMPLE NO.

P-10 (2-4)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:02 Lab Sample ID: 5099765001

Date Analyzed: 07/03/2014 09:02 Lab File ID: B070214.B\C14.D

Initial wt/vol: 7.352 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	153	
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

SAMPLE NO.

P-10 (2-4)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:02 Lab Sample ID: 5099765001

Date Analyzed: 07/03/2014 09:02 Lab File ID: B070214.B\C14.D

Initial wt/vol: 7.352 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 10.1%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d
Lab Smp Id: 5099765001 Client Smp ID: P-10 (2-4)
Inj Date : 03-JUL-2014 09:02
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765001
Misc Info : 66435
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 37
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	10.137	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.601	1.601	(0.393)	97623	202.622	225
	18 tert-Butyl Alcohol	59	1.890	1.895	(0.464)	1709	6.86766	7.64(Q)
	19 Acrylonitrile	53	1.981	1.980	(0.486)	2845	2.34422	2.61
$	33 Dibromofluoromethane (S)	113	3.254	3.259	(0.799)	135090	54.7880	61.0
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	7738	1.70132	1.89
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	474778	50.0000	
$	51 Toluene-d8	98	5.864	5.864	(0.822)	420597	45.8377	51.0
	52 Toluene	91	5.934	5.934	(0.832)	1608	0.09806	0.109
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	2668	0.59260	0.659
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	405306	50.0000	
	64 Ethylbenzene	106	7.234	7.234	(1.014)	558	0.09750	0.108
	65 m&p-Xylene	106	7.320	7.325	(1.026)	1488	0.20099	0.224
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	2646	0.16292	0.181
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	173919	52.2268	58.1
	74 Bromobenzene	77	7.951	7.951	(1.115)	989	0.17282	0.192
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	3536	0.16761	0.186
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	2238	0.17092	0.190
	79 4-Chlorotoluene	126	8.127	8.127	(0.958)	514	0.10297	0.114(Q)
	80 tert-Butylbenzene	119	8.277	8.277	(0.975)	4580	0.85753	0.954
	83 1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	1583	0.17374	0.193

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	231076	50.0000	
86 1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	1907	0.19860	0.221(Q)

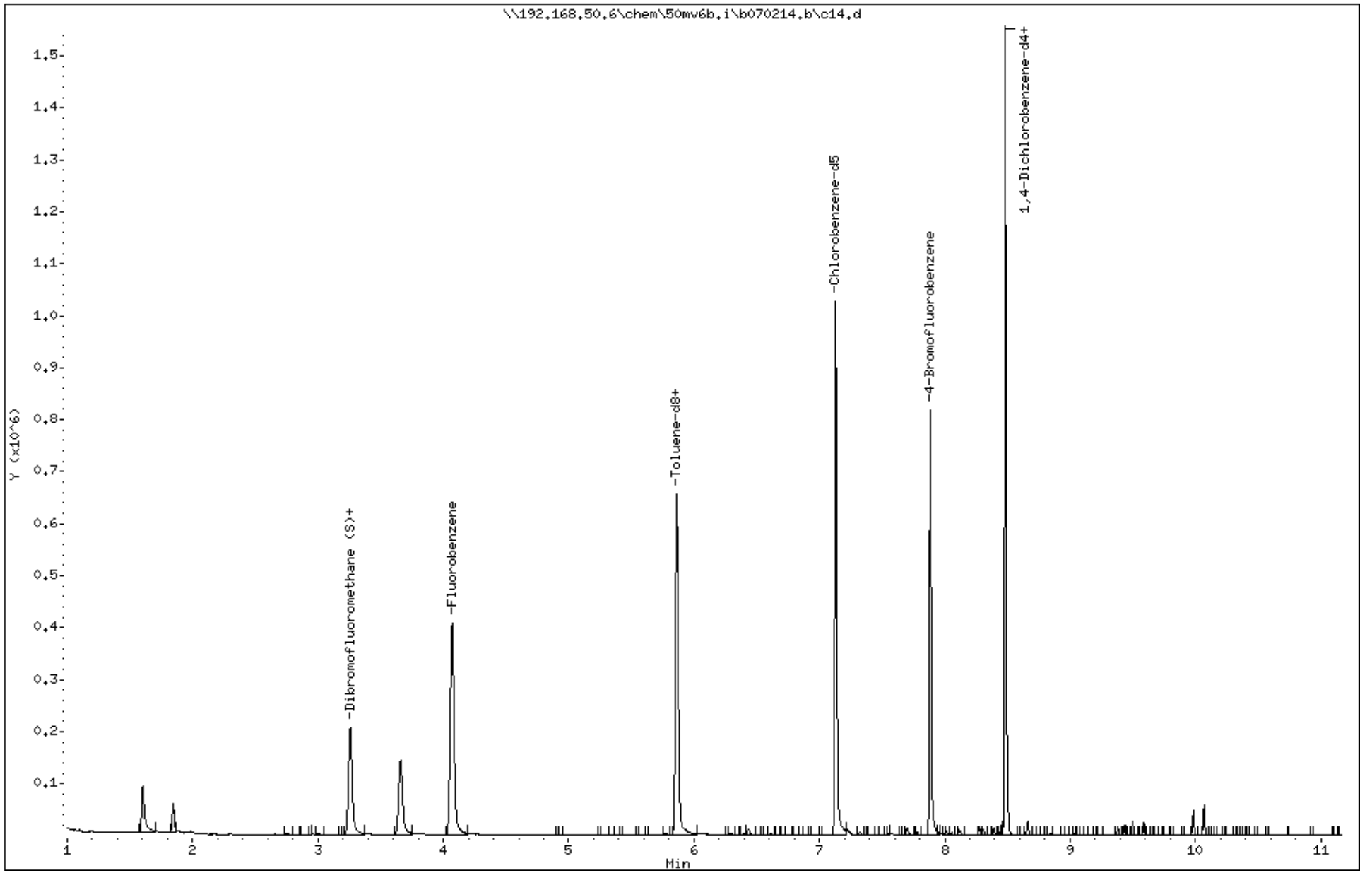
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d
Date : 03-JUL-2014 09:02
Client ID: P-10 (2-4)
Sample Info: 5099765001

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18

Column phase: DB-624



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Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

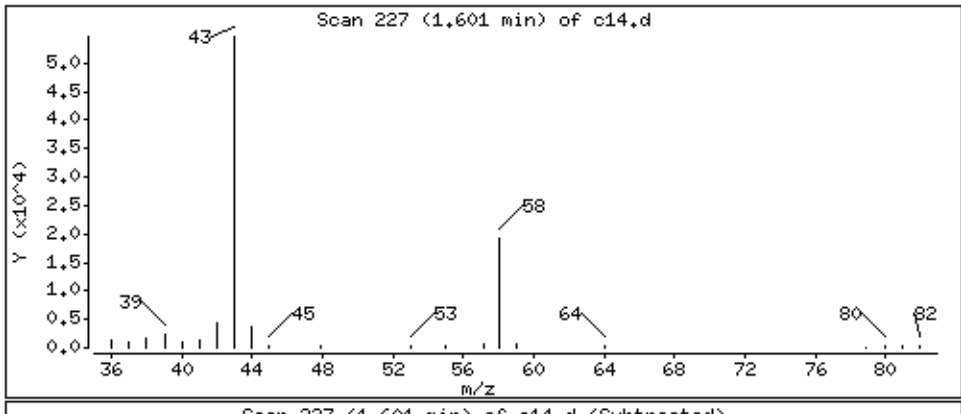
Operator: ala

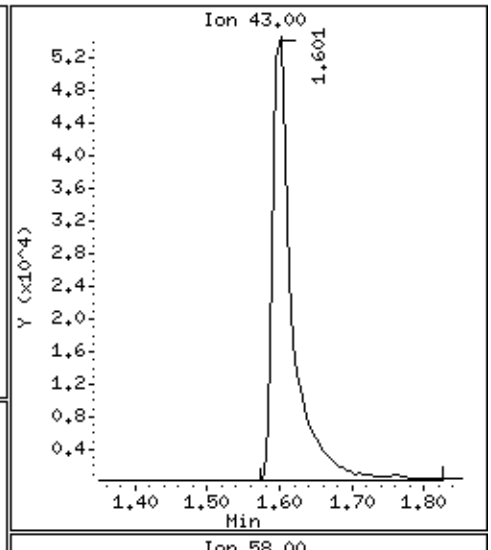
Column phase: DB-624

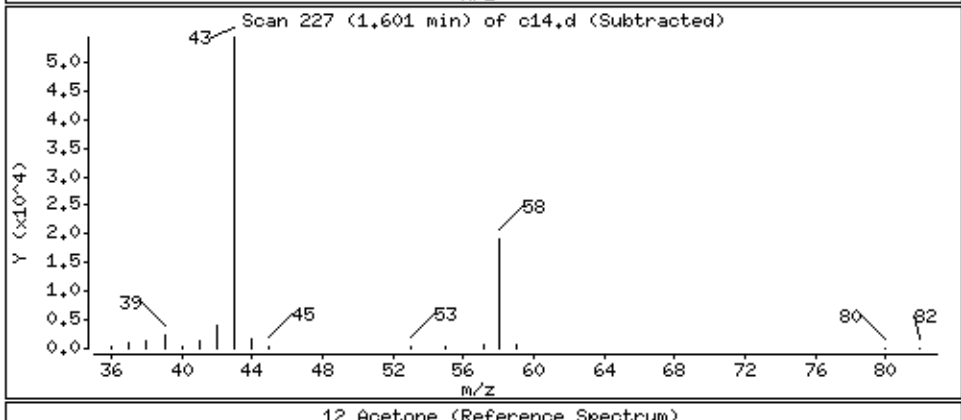
Column diameter: 0.18

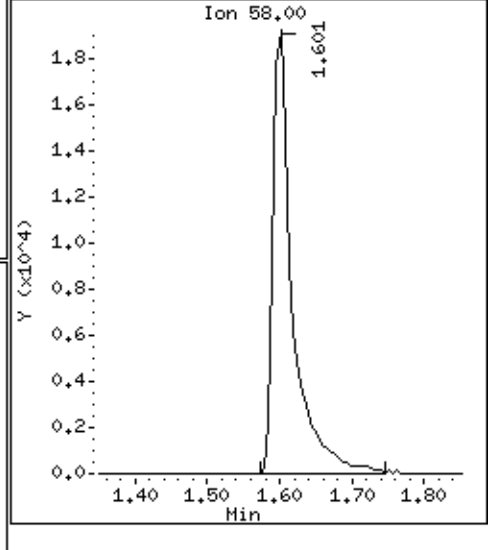
12 Acetone

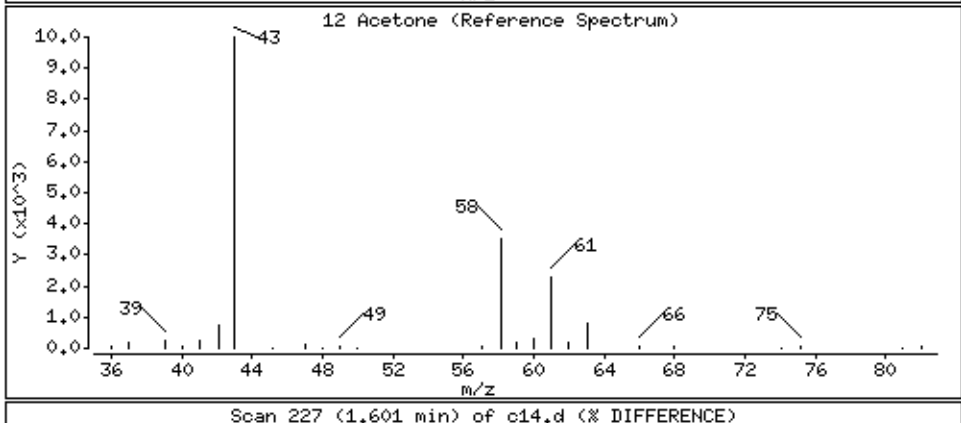
Concentration: 225 ppb

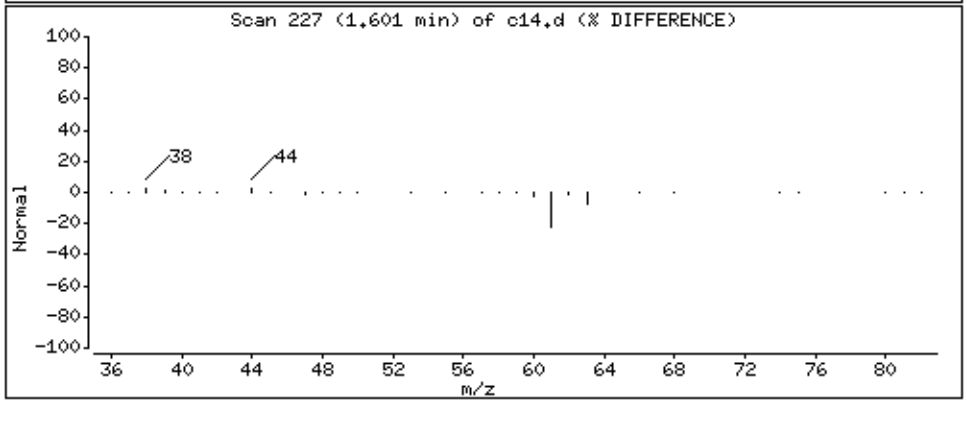












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Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

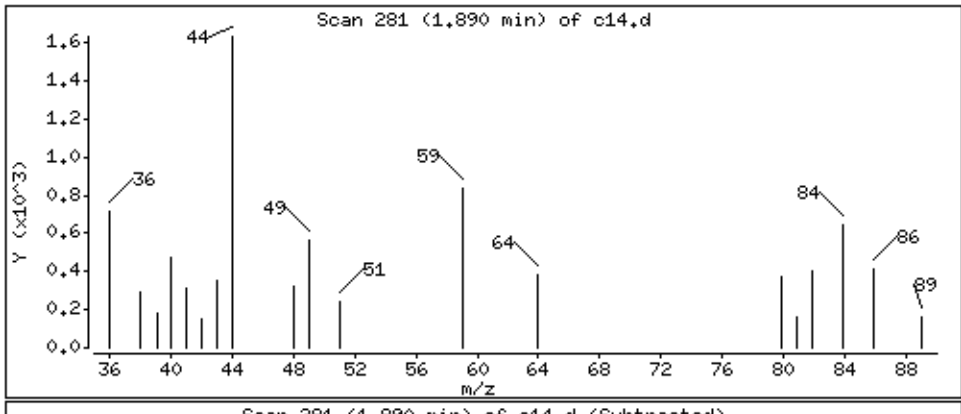
Operator: ala

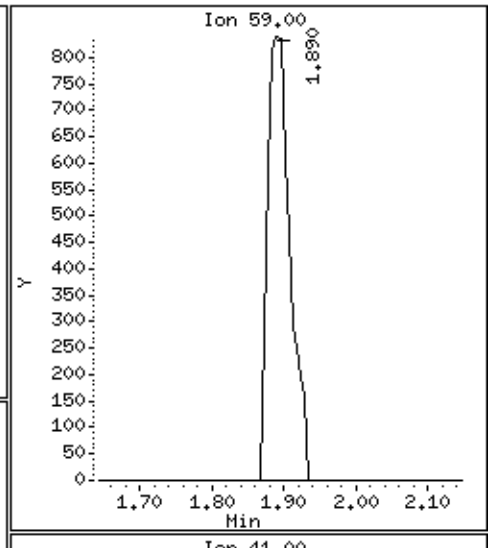
Column phase: DB-624

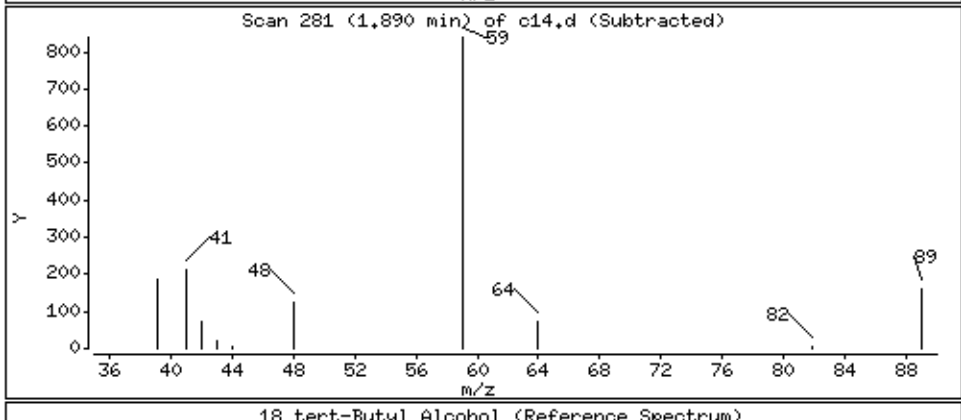
Column diameter: 0.18

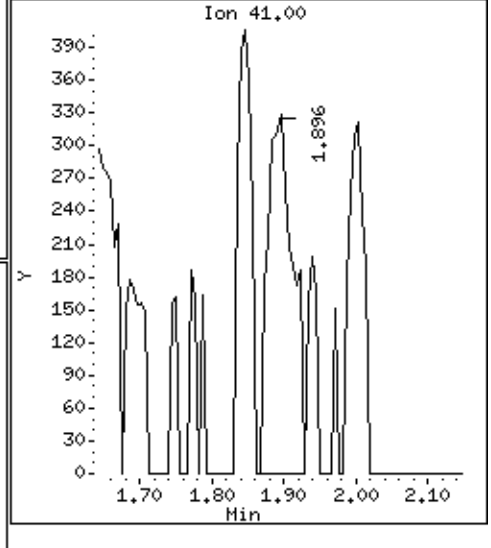
18 tert-Butyl Alcohol

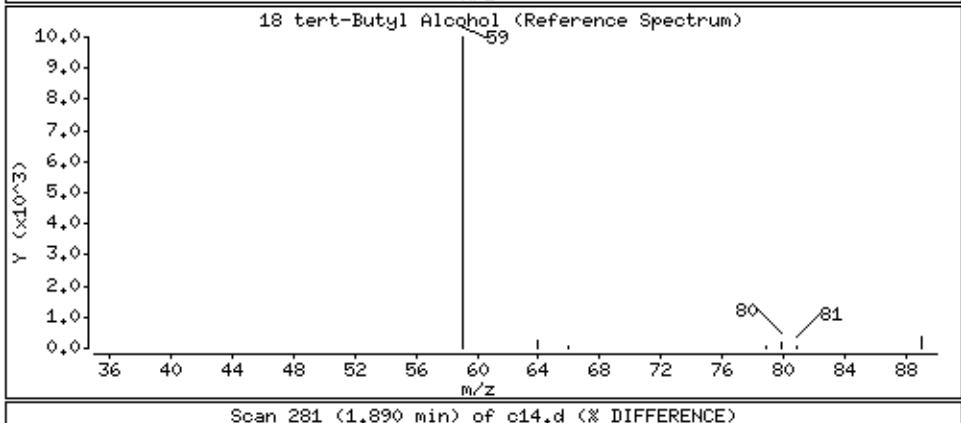
Concentration: 7.64 ppb

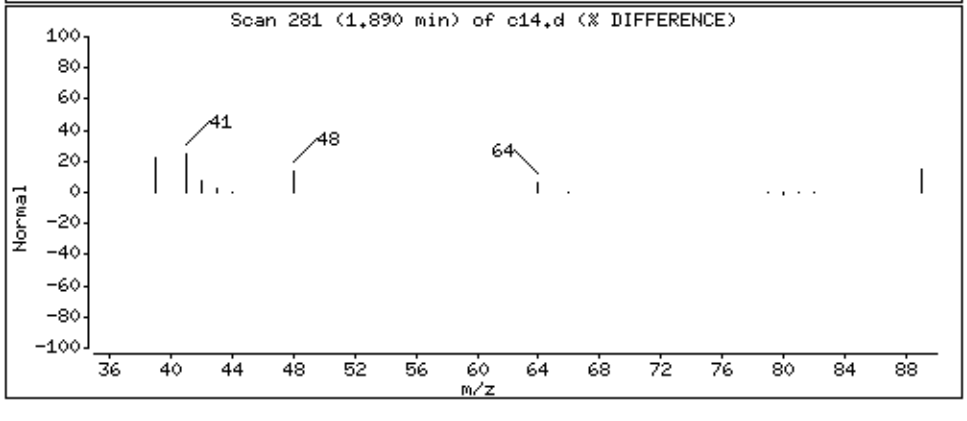












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

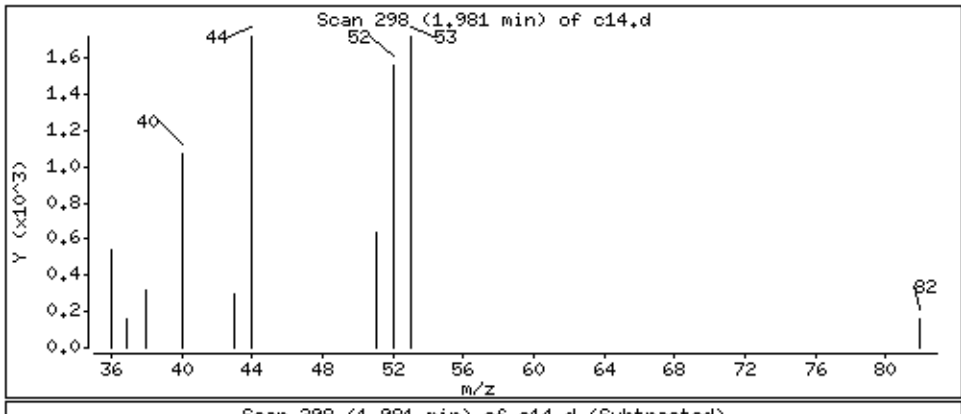
Operator: ala

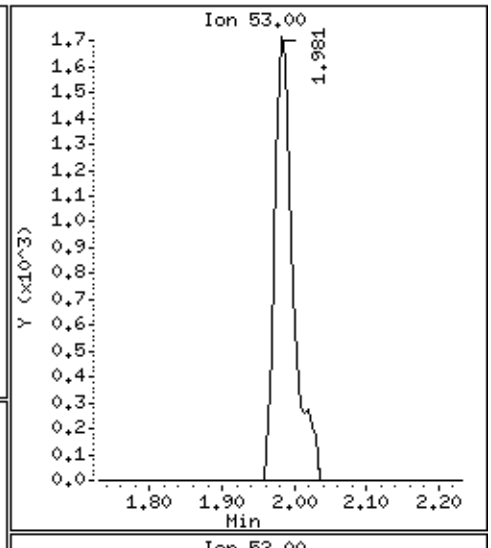
Column phase: DB-624

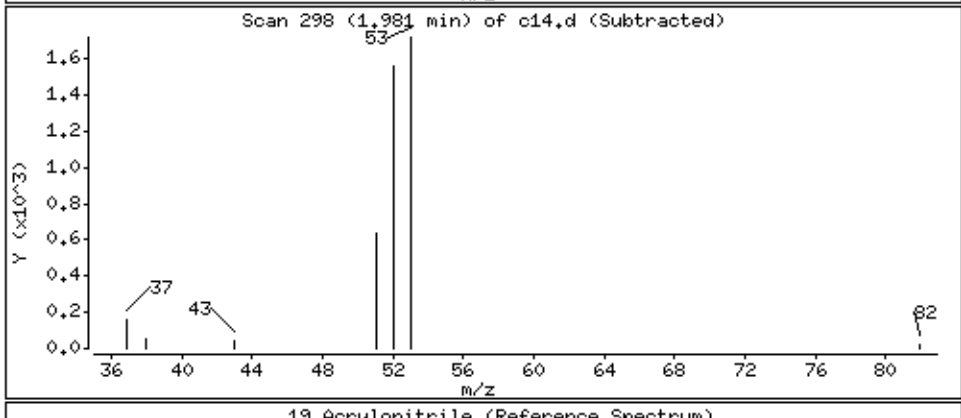
Column diameter: 0.18

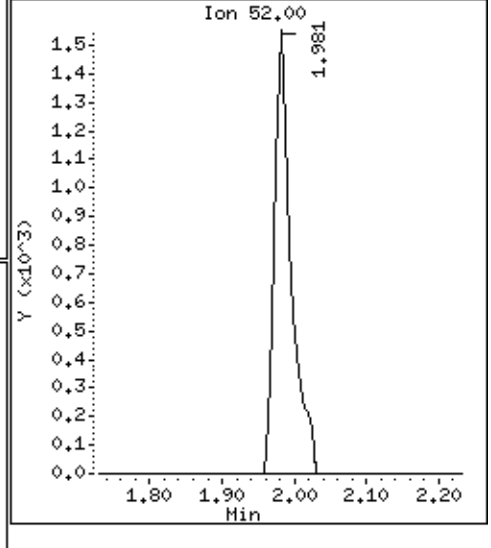
19 Acrylonitrile

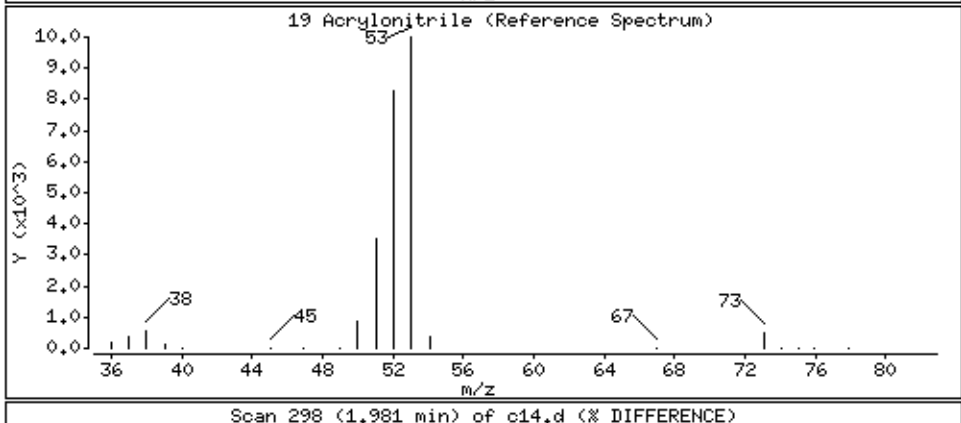
Concentration: 2.61 ppb

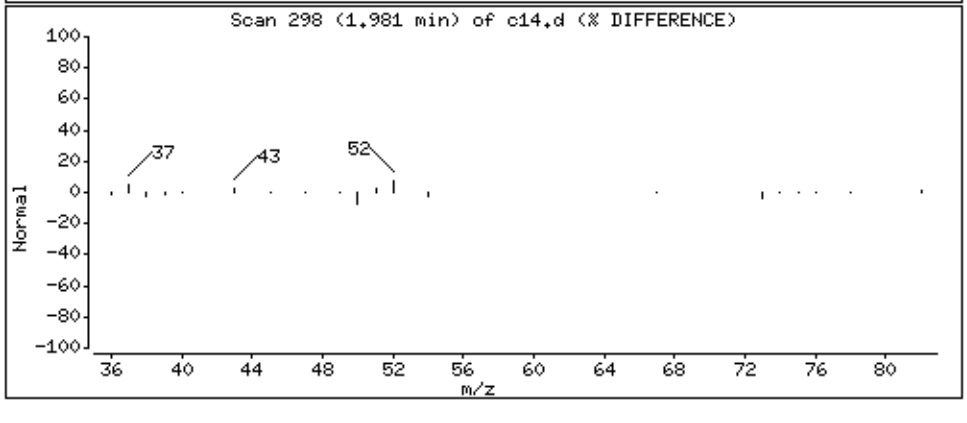












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

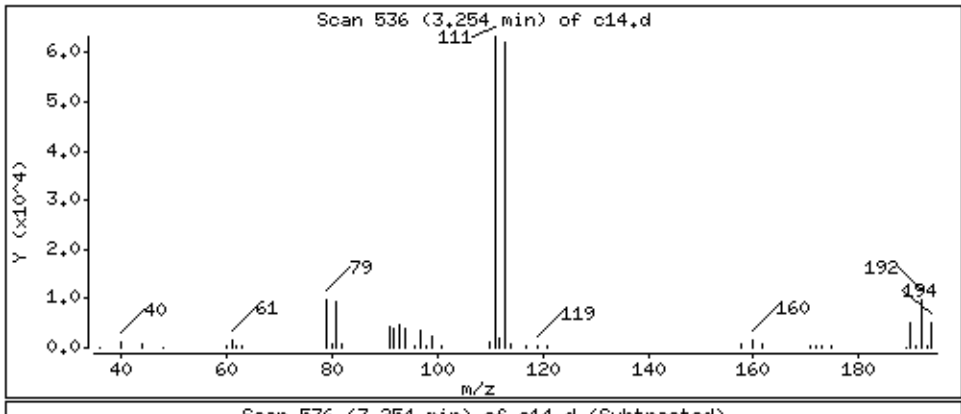
Operator: ala

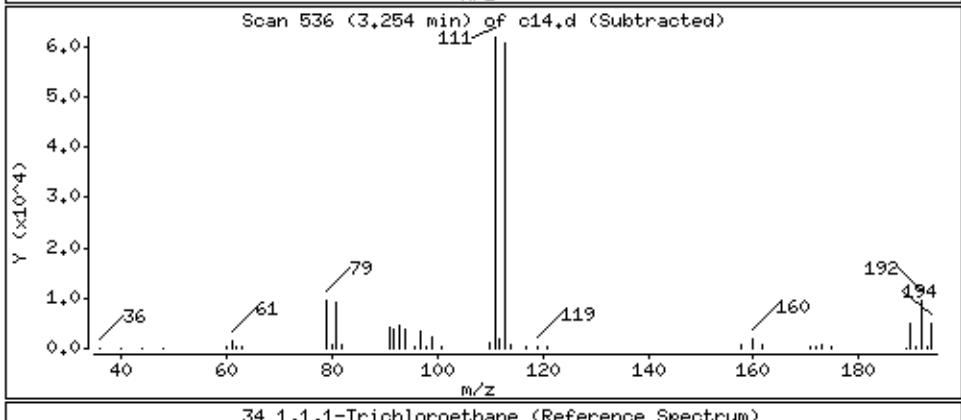
Column phase: DB-624

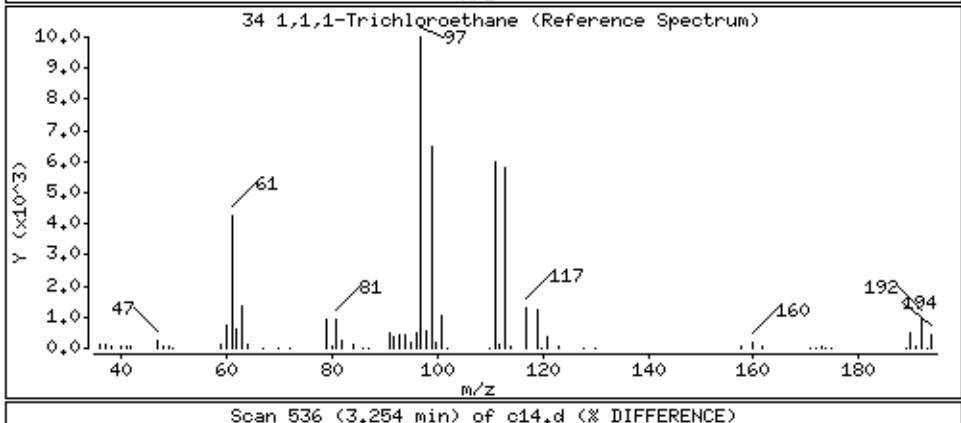
Column diameter: 0.18

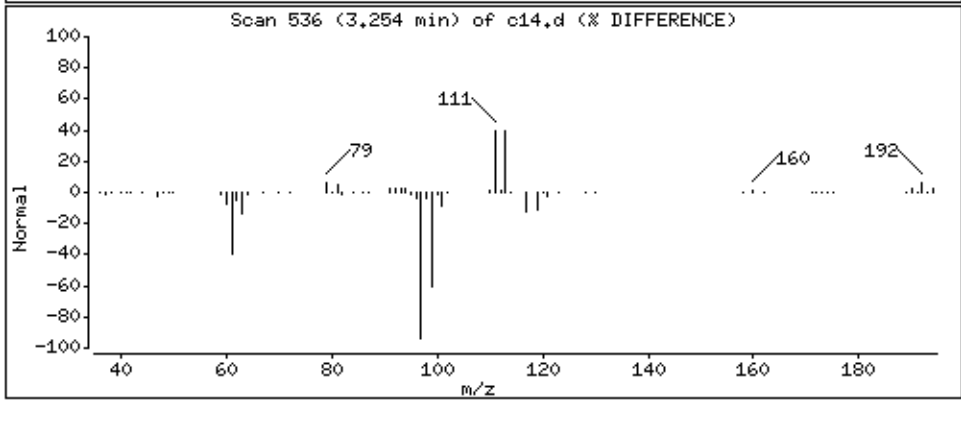
34 1,1,1-Trichloroethane

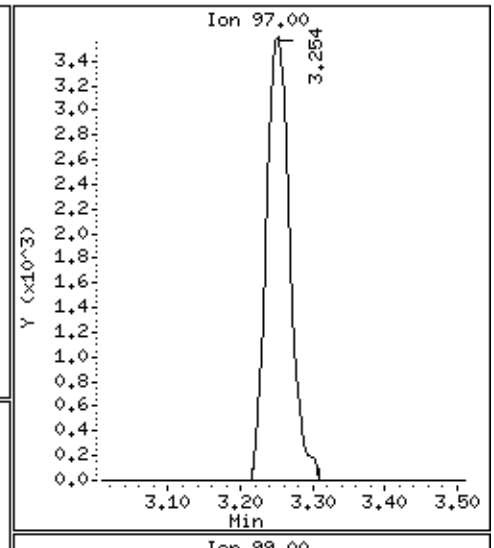
Concentration: 1.89 ppb

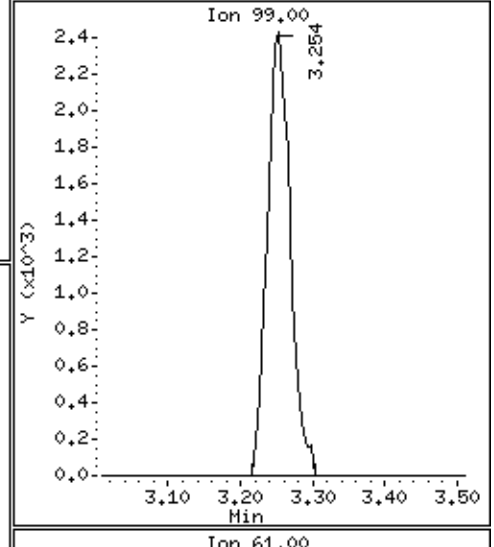


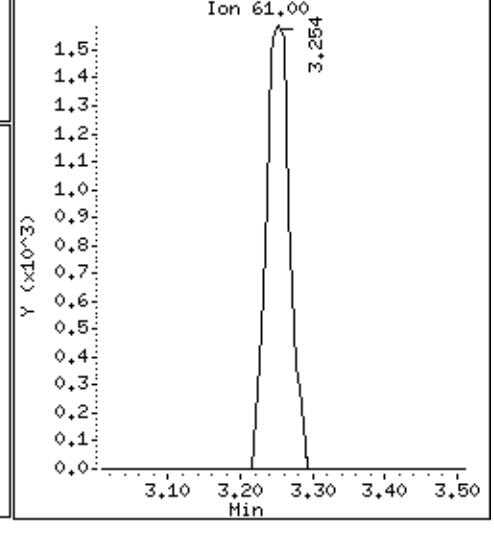












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

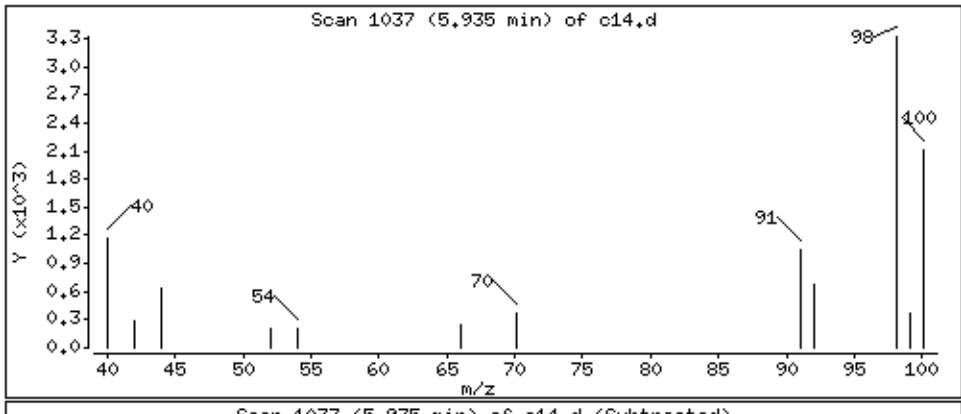
Operator: ala

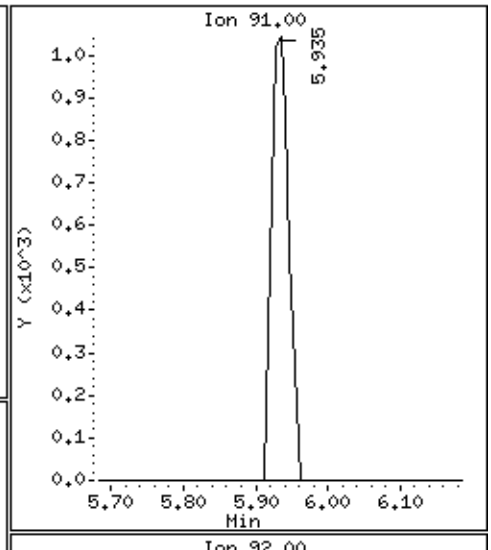
Column phase: DB-624

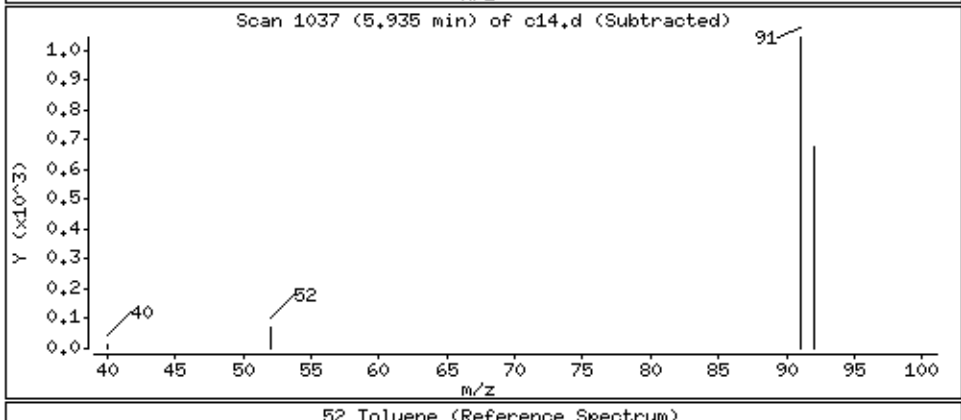
Column diameter: 0.18

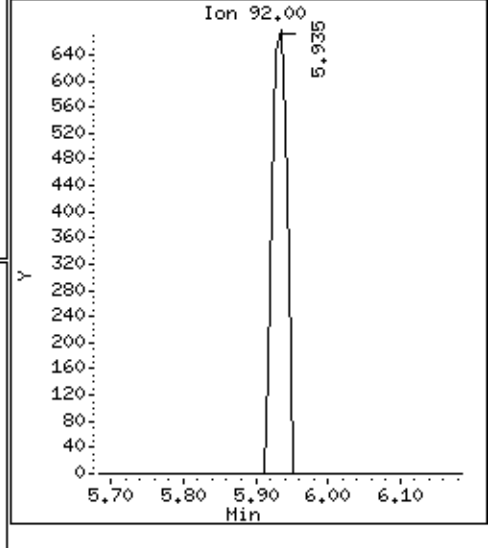
52 Toluene

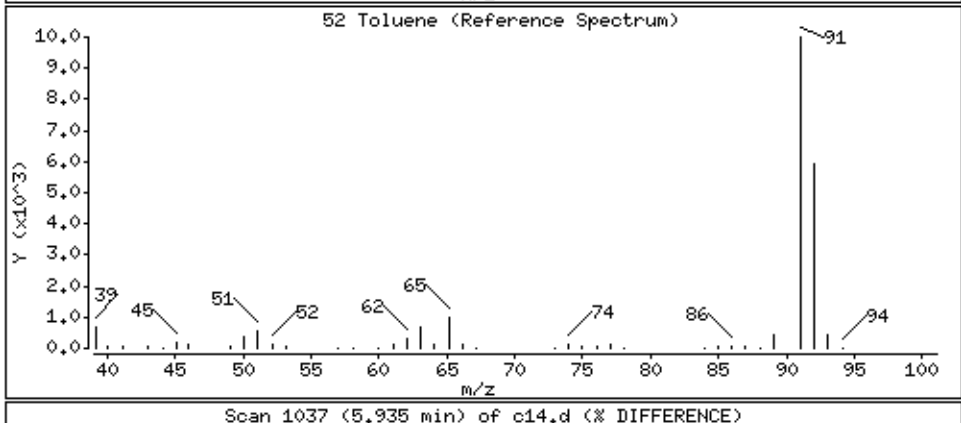
Concentration: 0.109 ppb

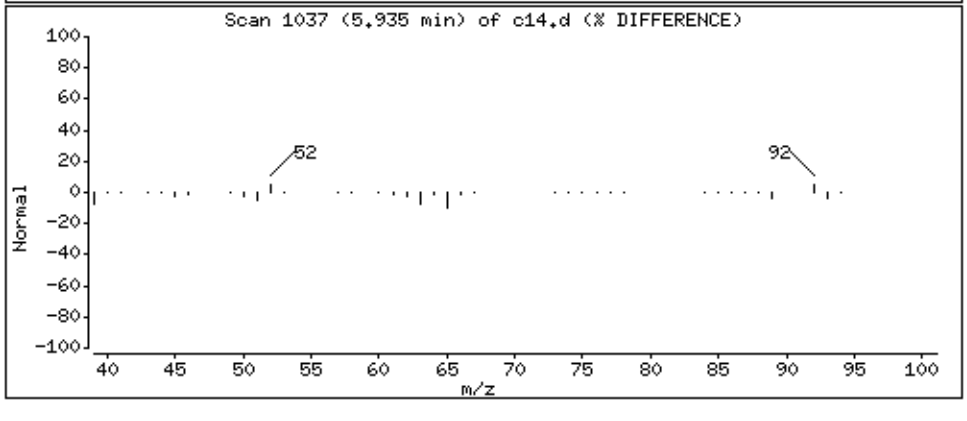












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

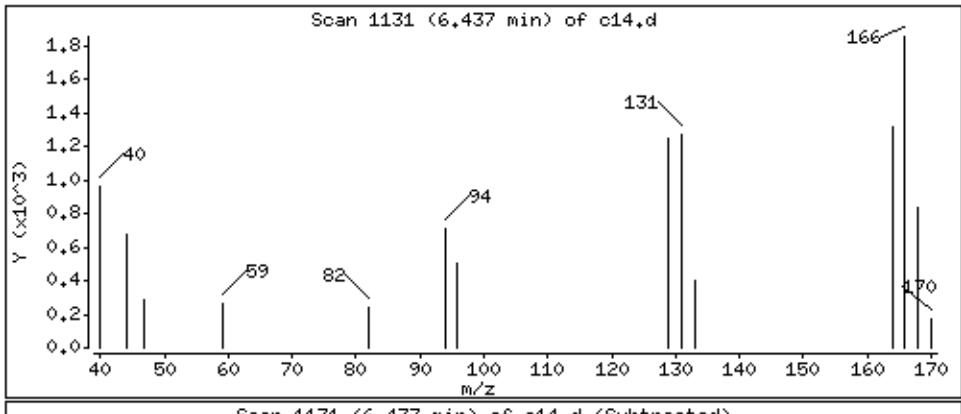
Operator: ala

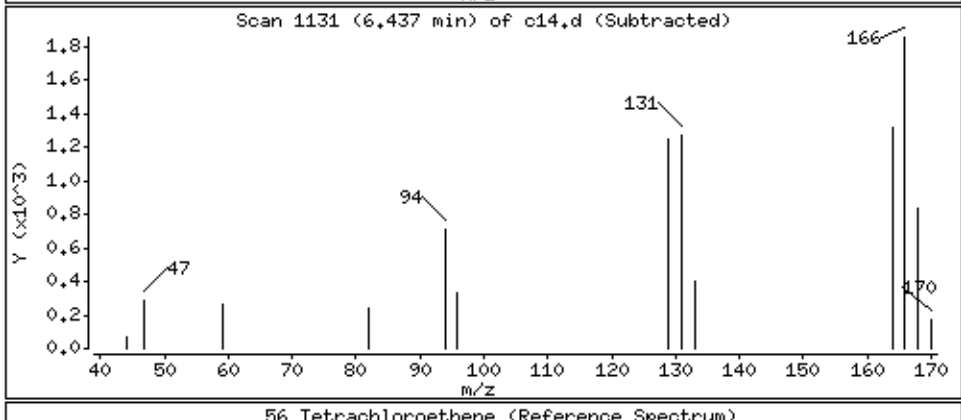
Column phase: DB-624

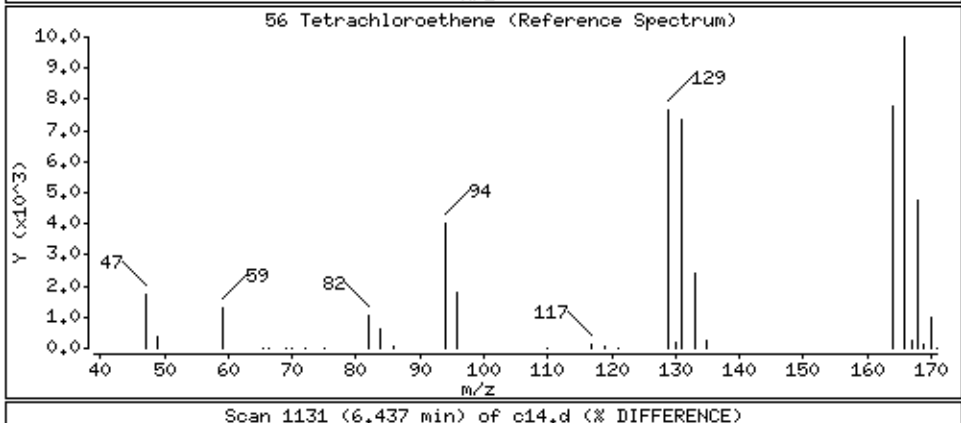
Column diameter: 0.18

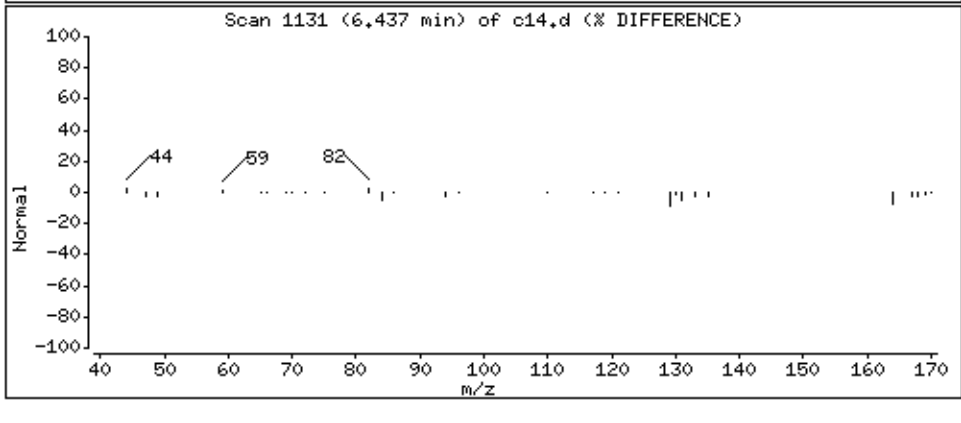
56 Tetrachloroethene

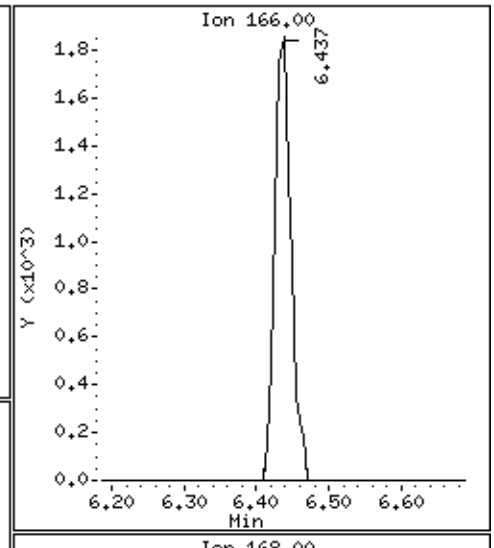
Concentration: 0.659 ppb

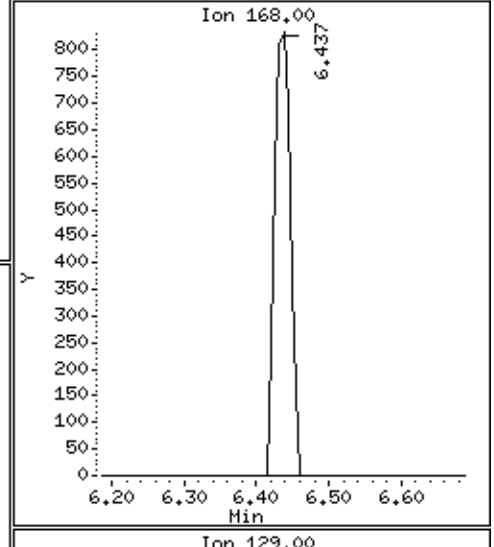


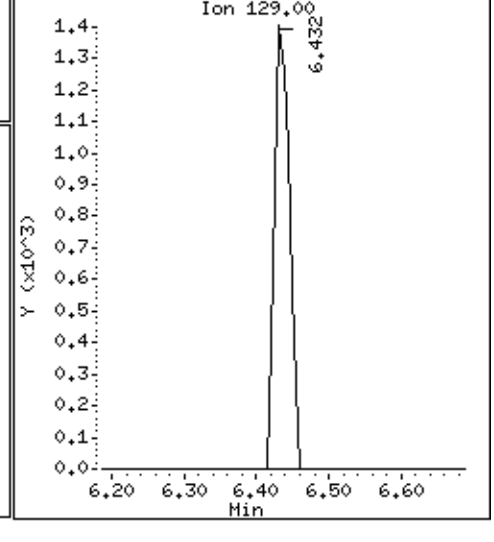












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Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

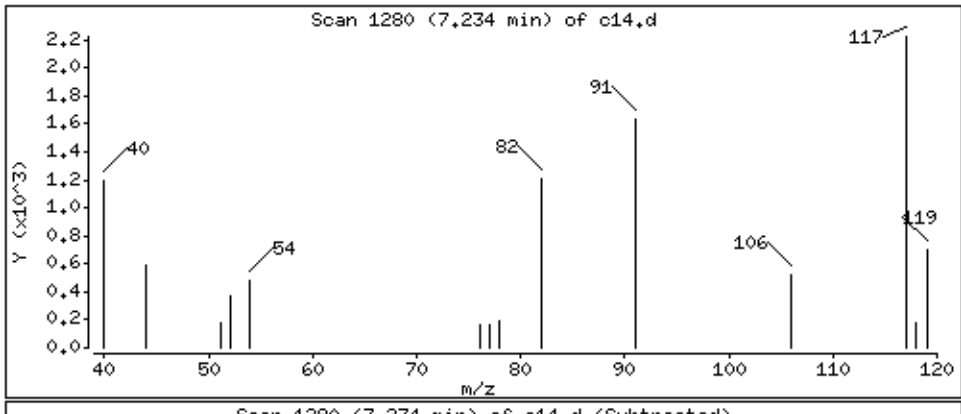
Operator: ala

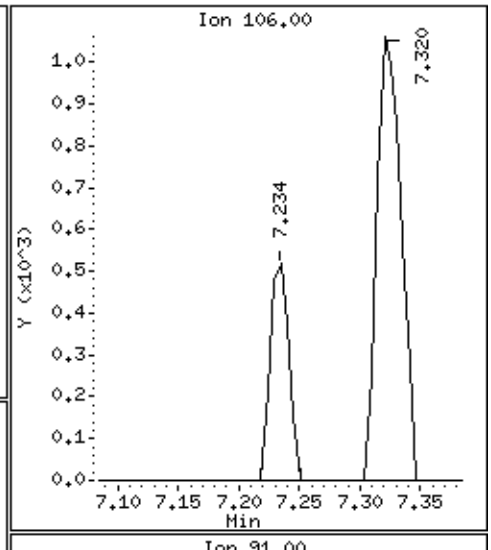
Column phase: DB-624

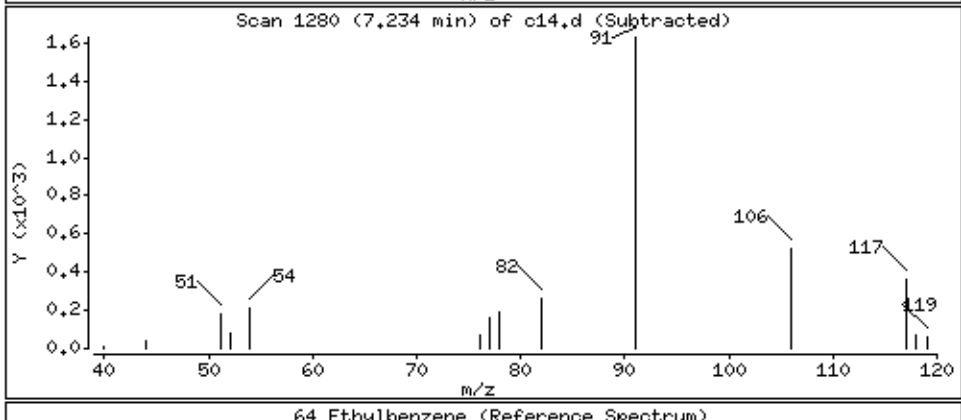
Column diameter: 0.18

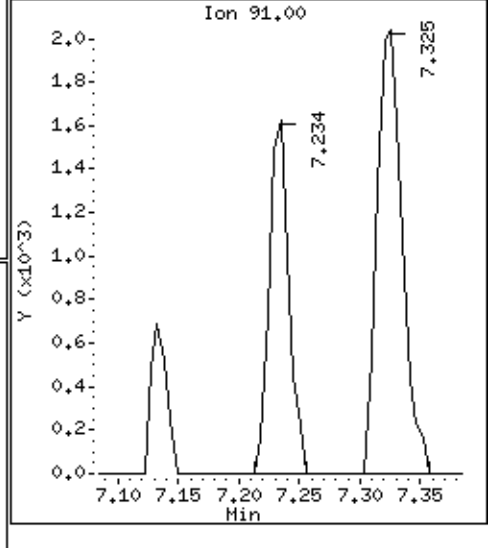
64 Ethylbenzene

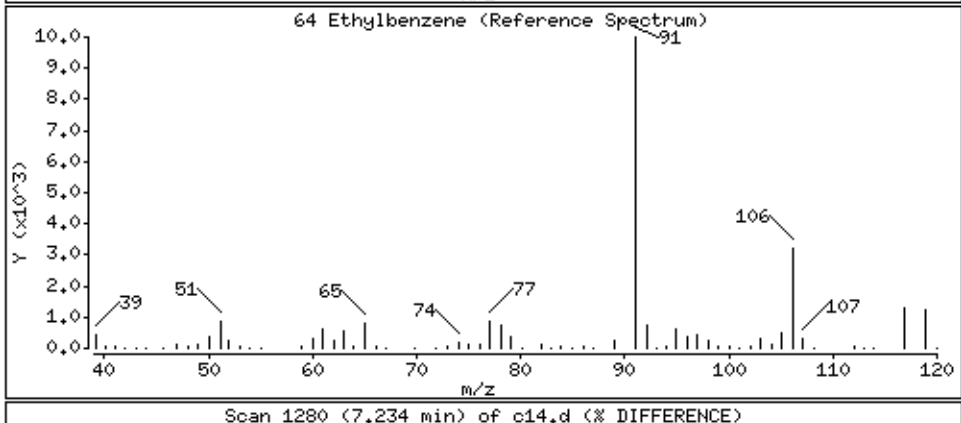
Concentration: 0.108 ppb

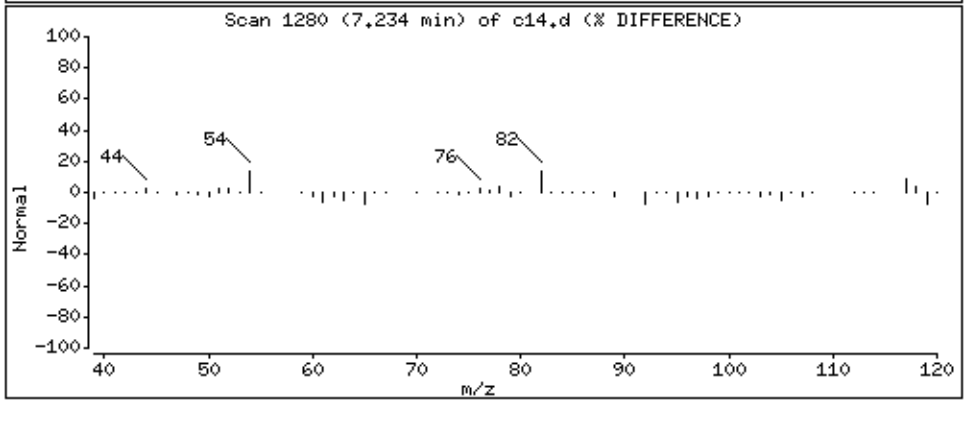












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

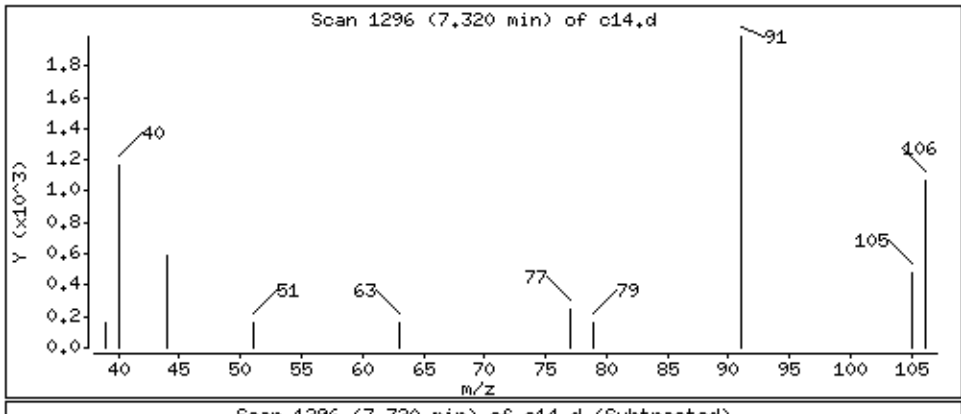
Operator: ala

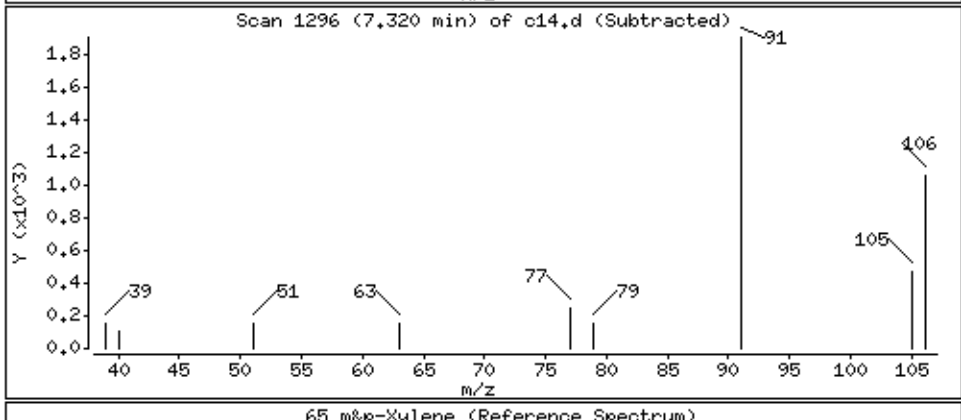
Column phase: DB-624

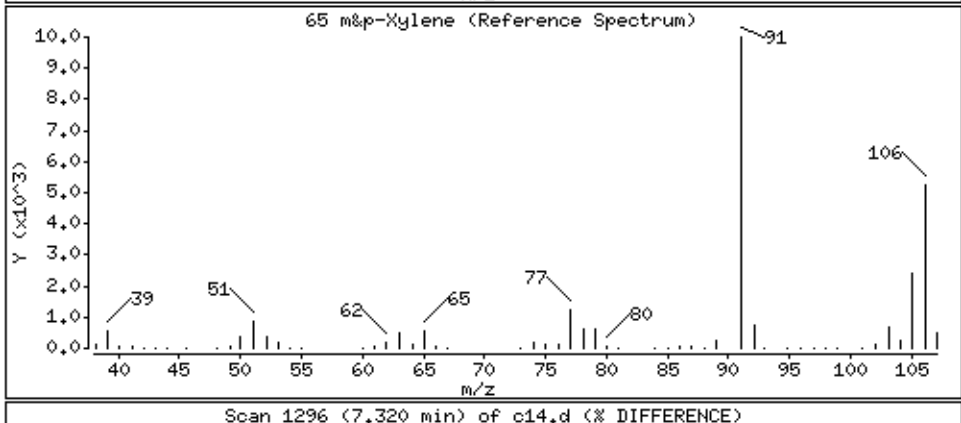
Column diameter: 0.18

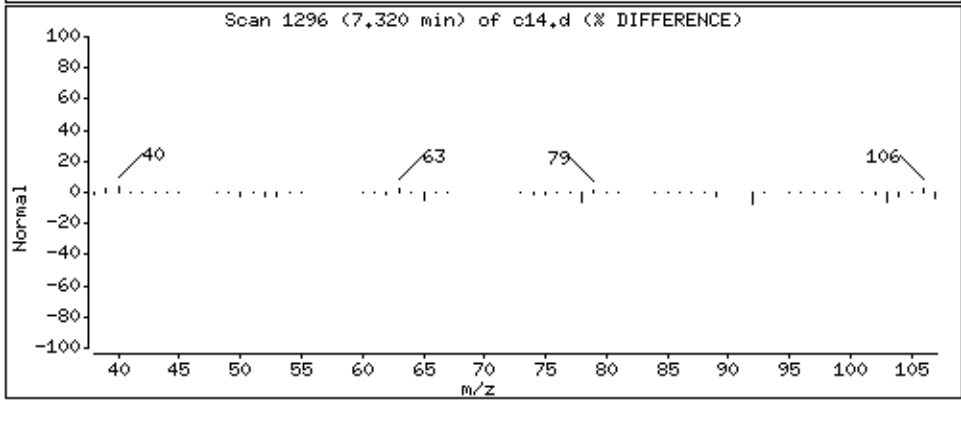
65 m&p-Xylene

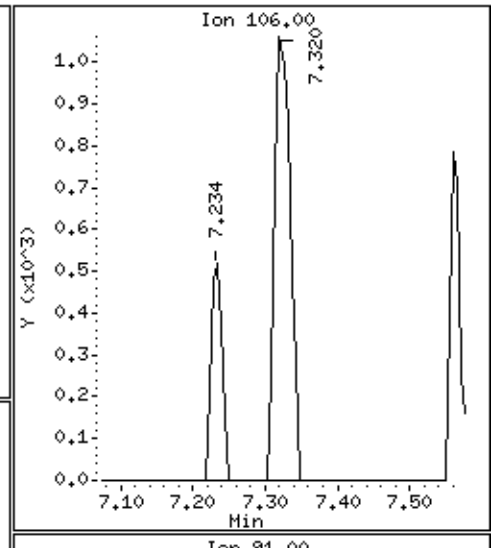
Concentration: 0.224 ppb

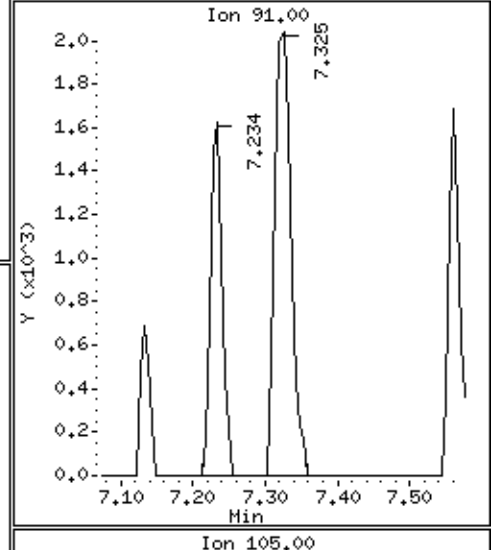


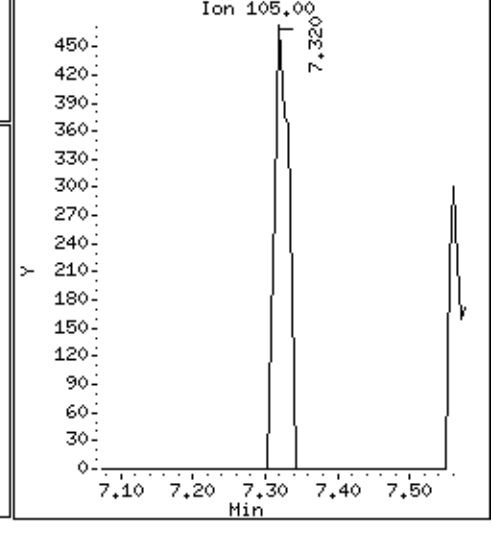












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

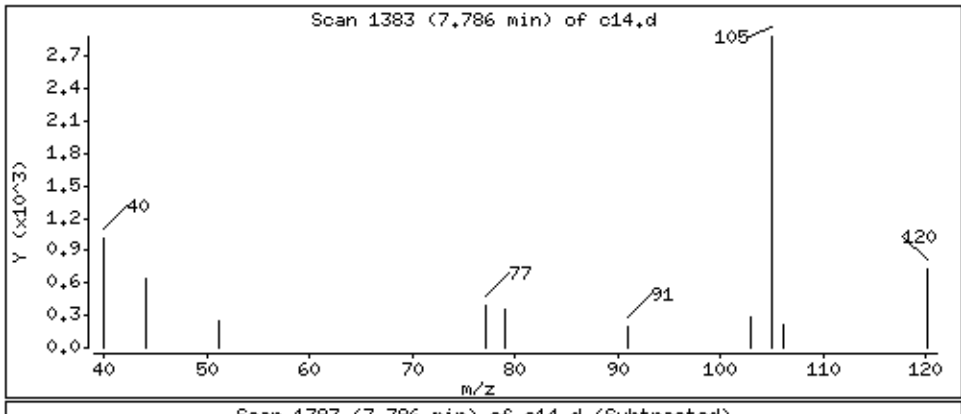
Operator: ala

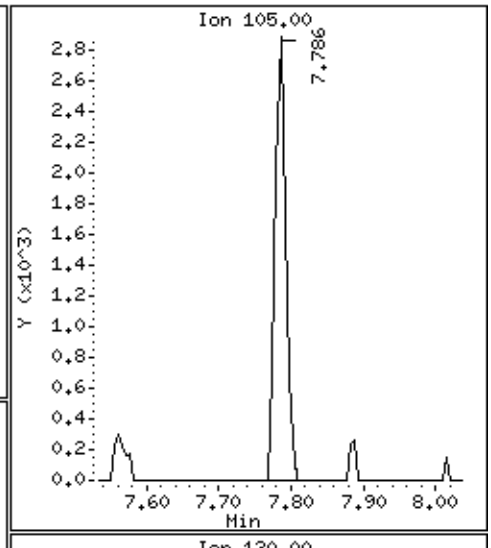
Column phase: DB-624

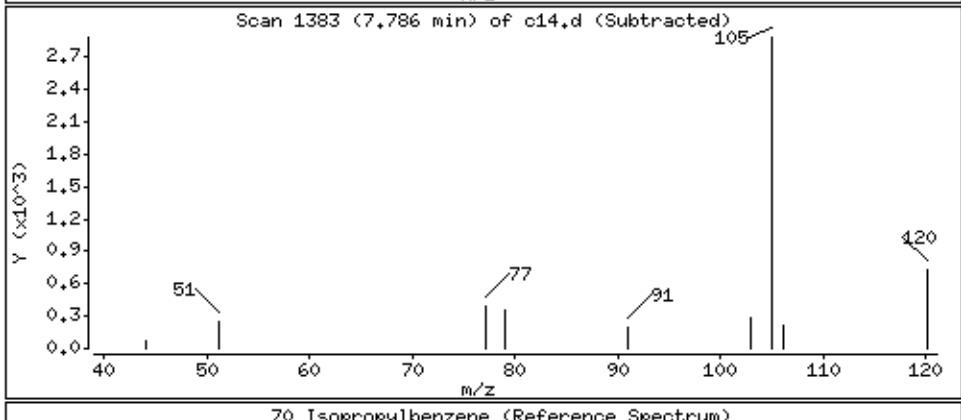
Column diameter: 0.18

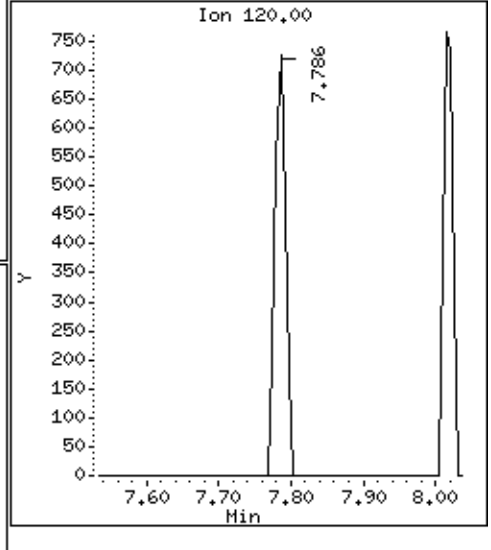
70 Isopropylbenzene

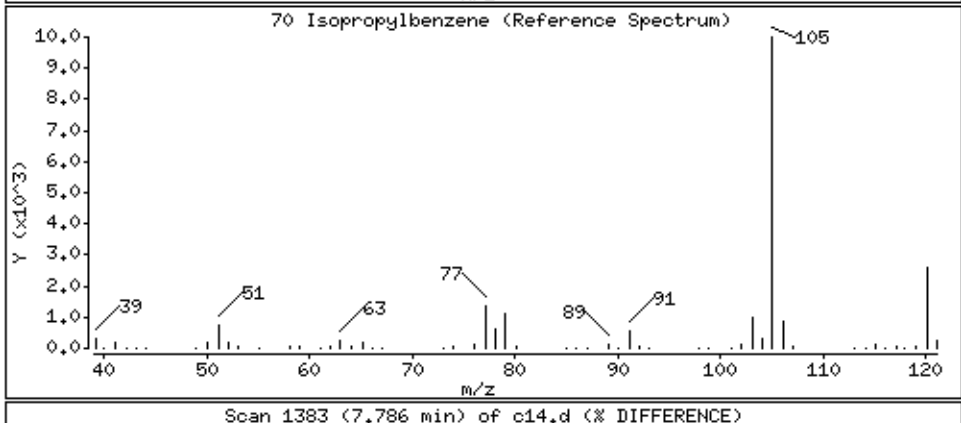
Concentration: 0.181 ppb

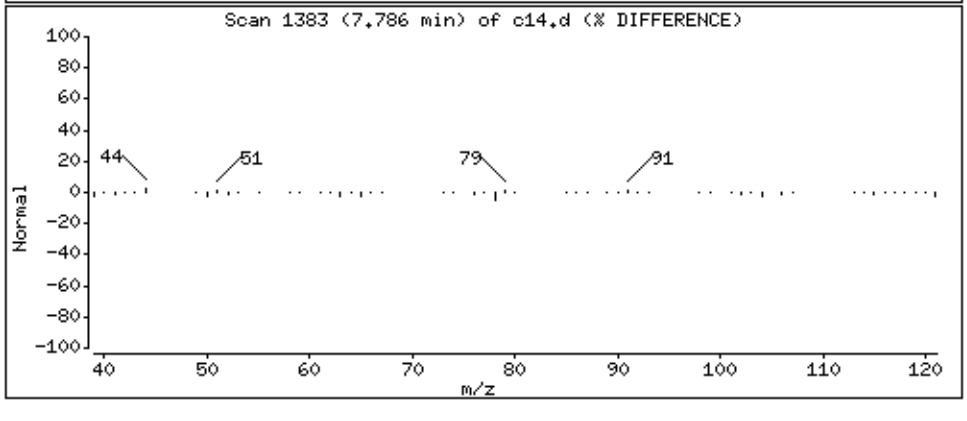












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

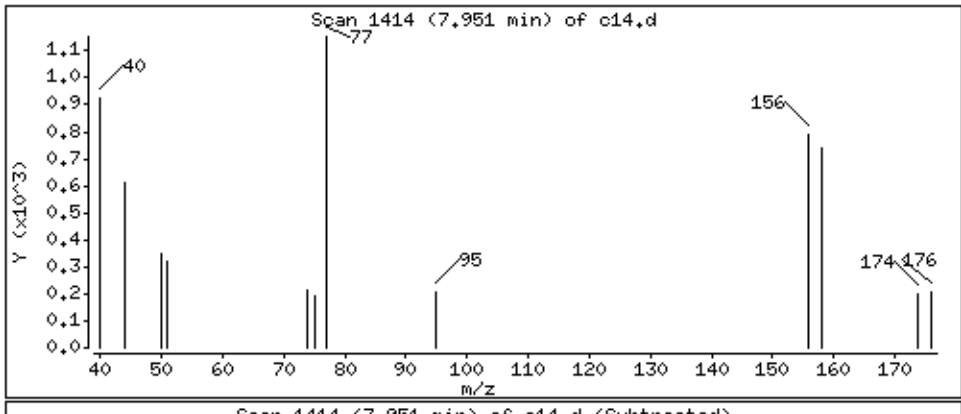
Operator: ala

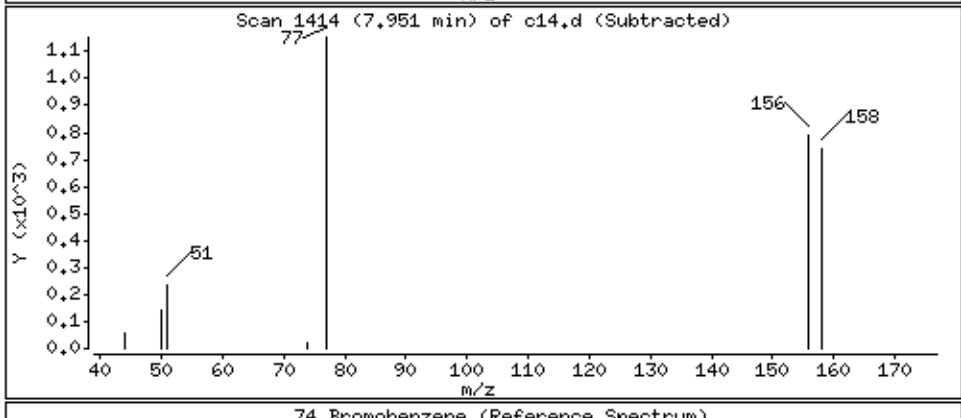
Column phase: DB-624

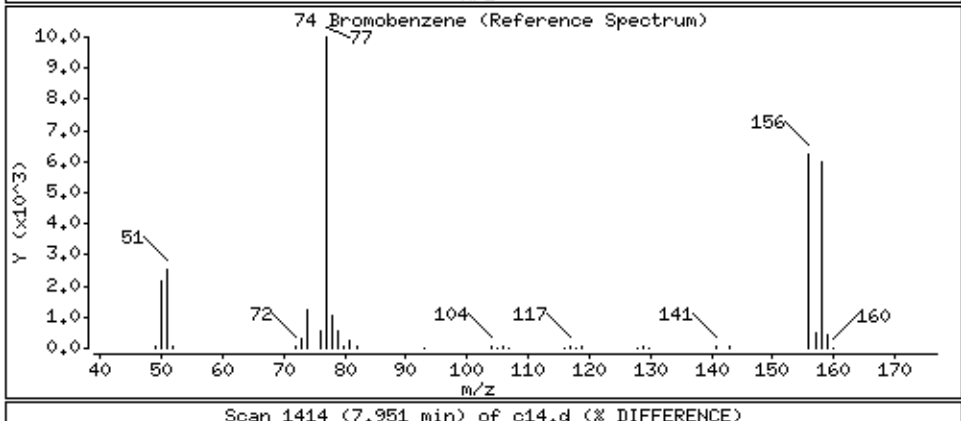
Column diameter: 0.18

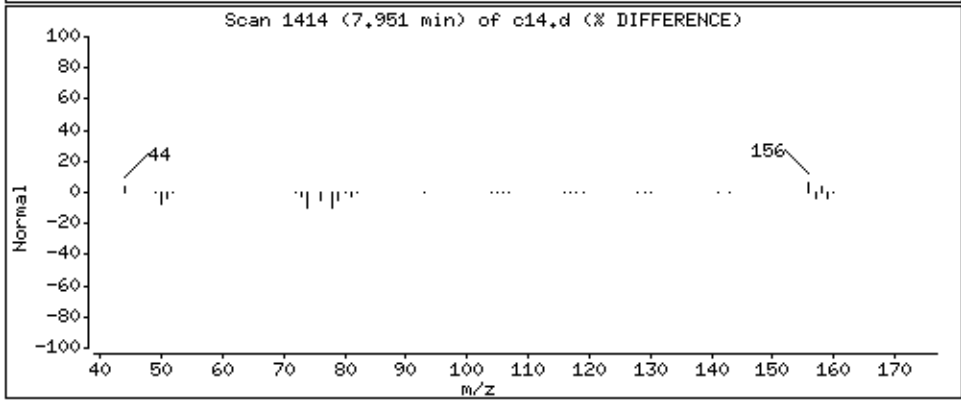
74 Bromobenzene

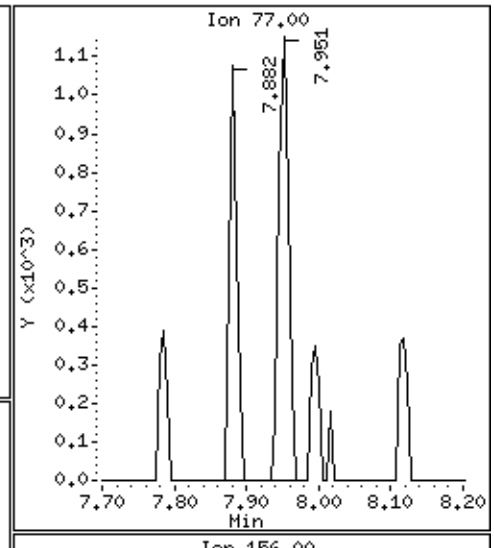
Concentration: 0.192 ppb

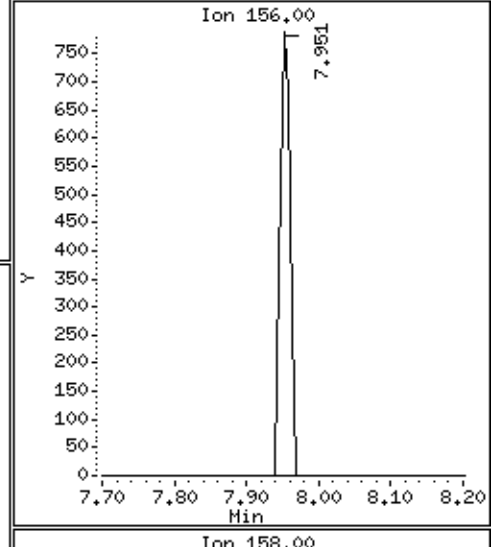


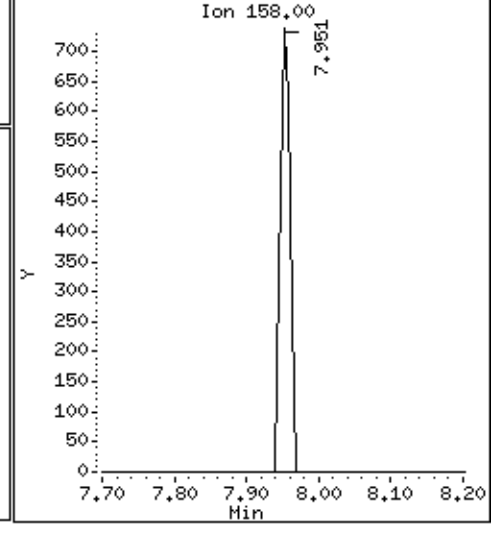












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

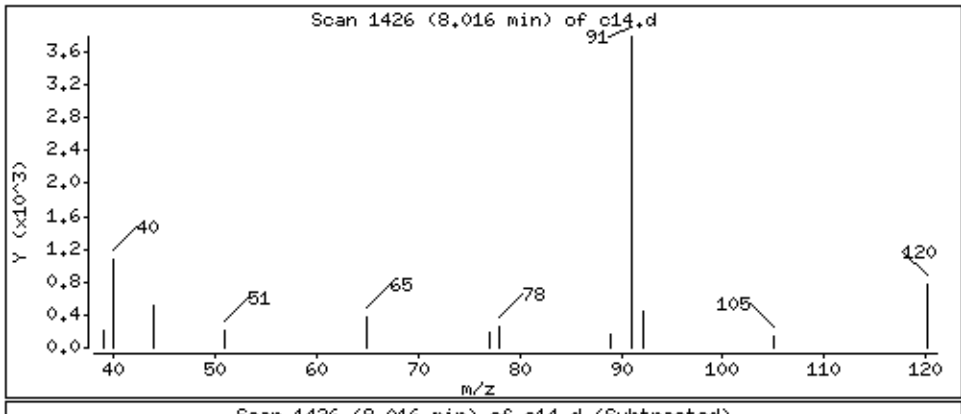
Operator: ala

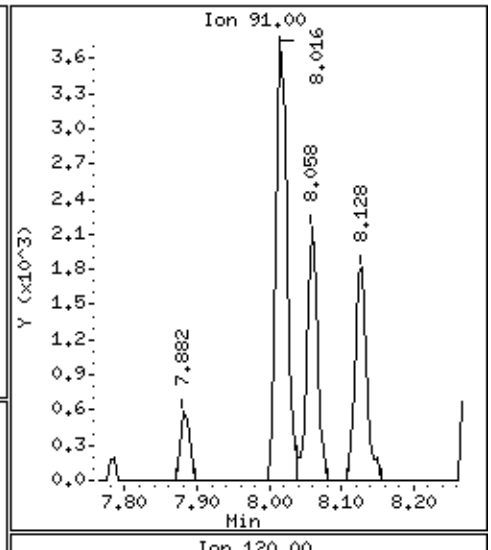
Column phase: DB-624

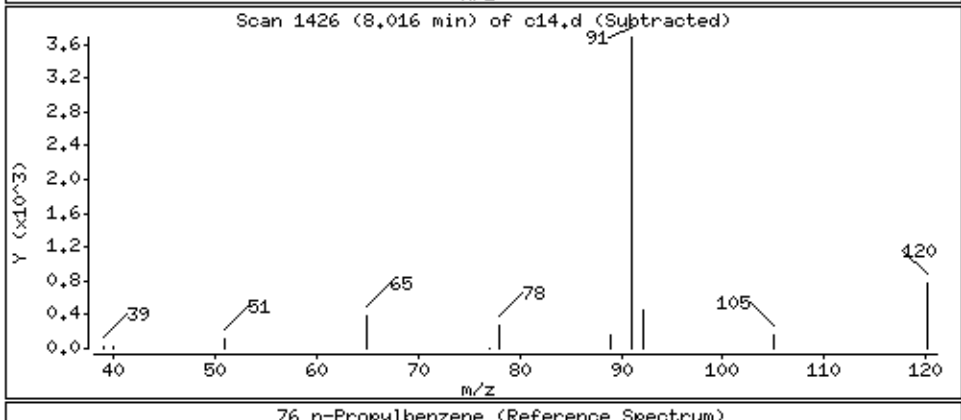
Column diameter: 0.18

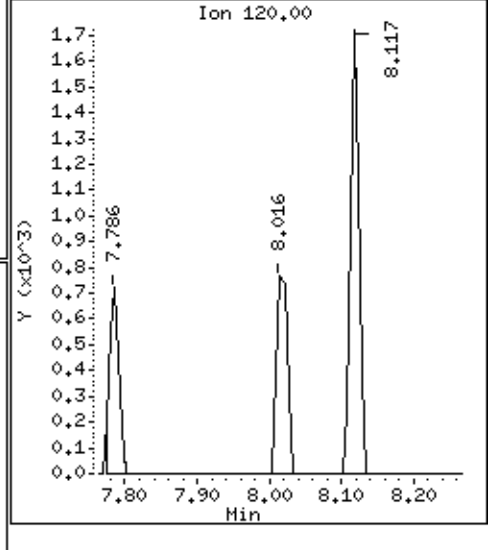
76 n-Propylbenzene

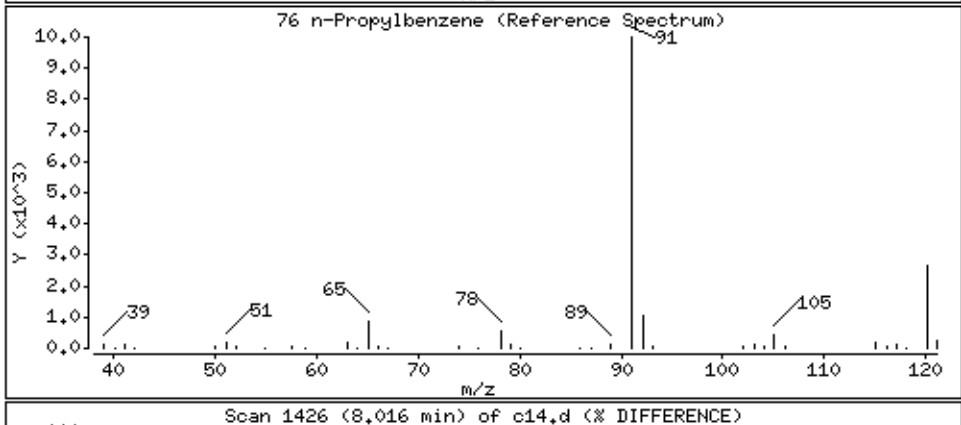
Concentration: 0.186 ppb

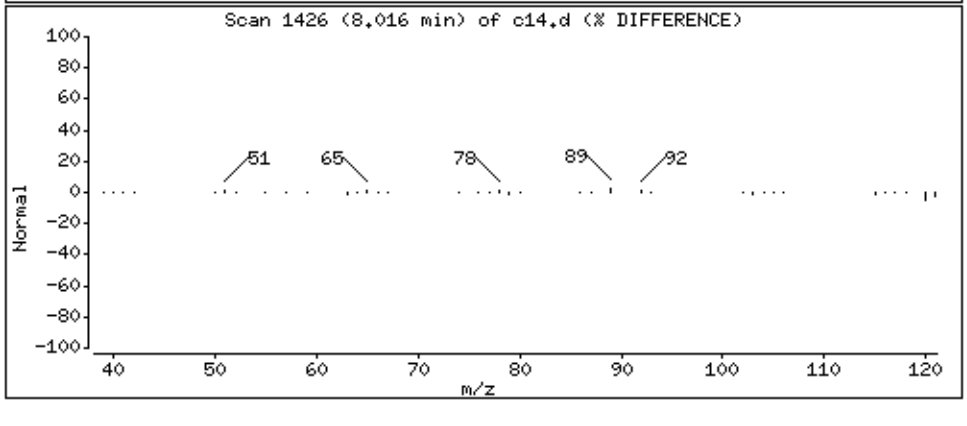












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

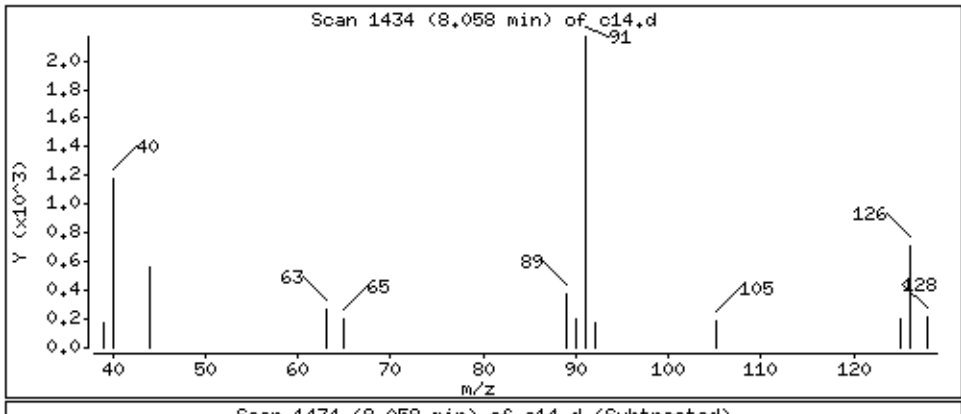
Operator: ala

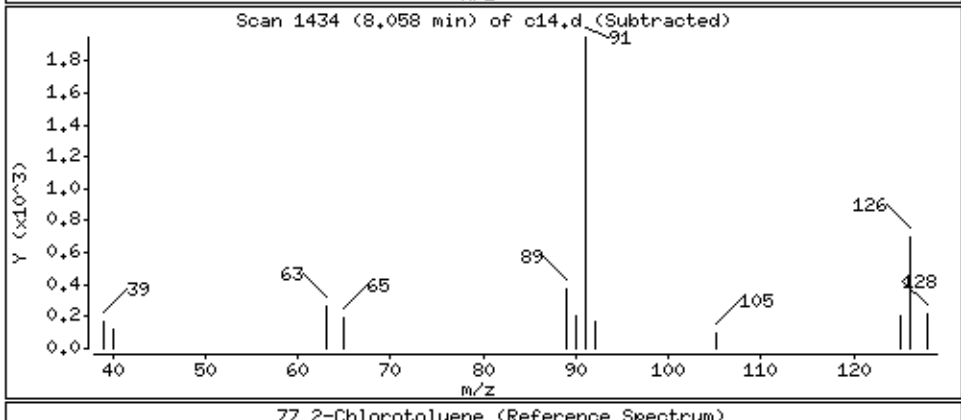
Column phase: DB-624

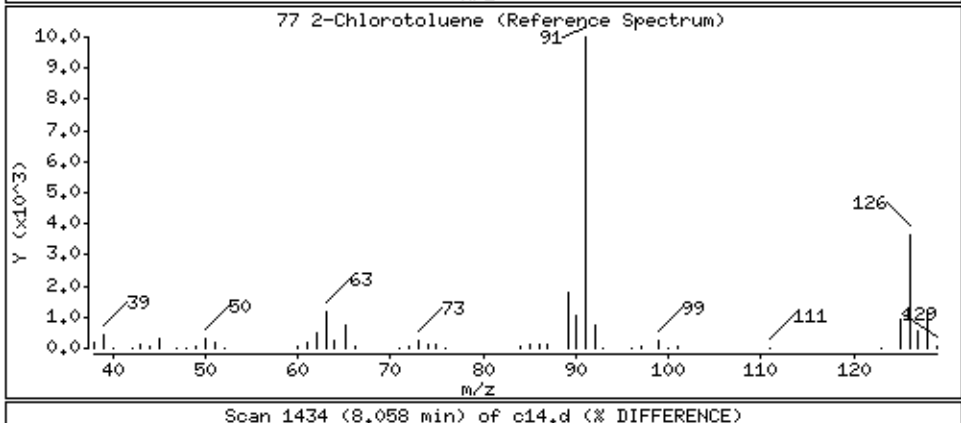
Column diameter: 0.18

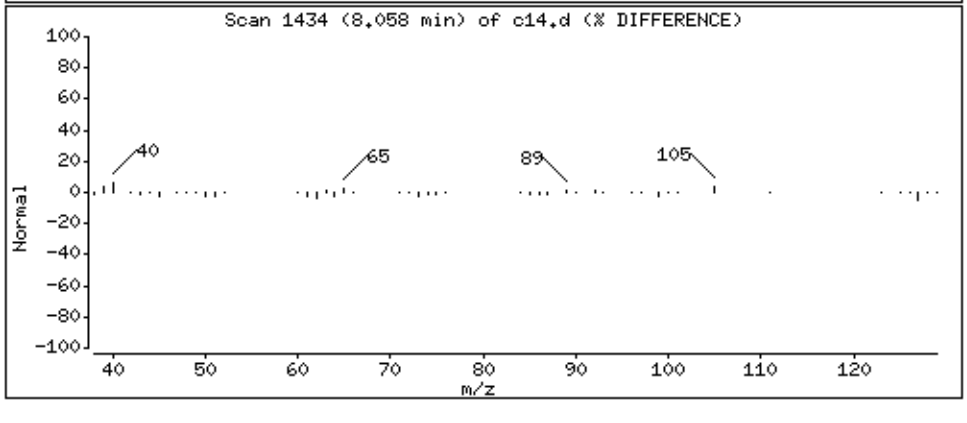
77 2-Chlorotoluene

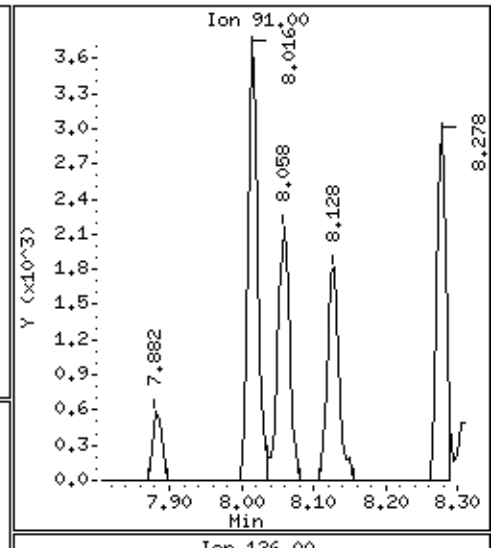
Concentration: 0.190 ppb

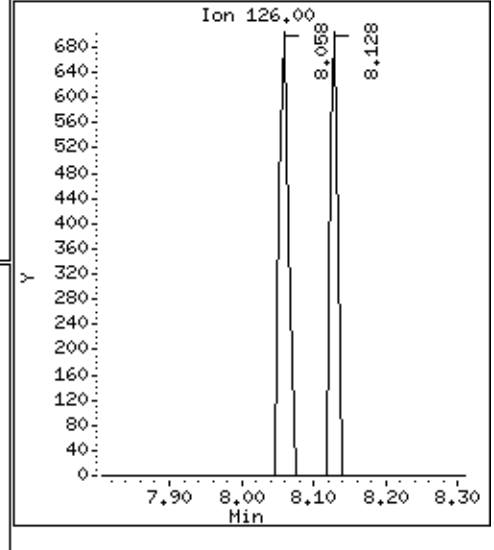












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

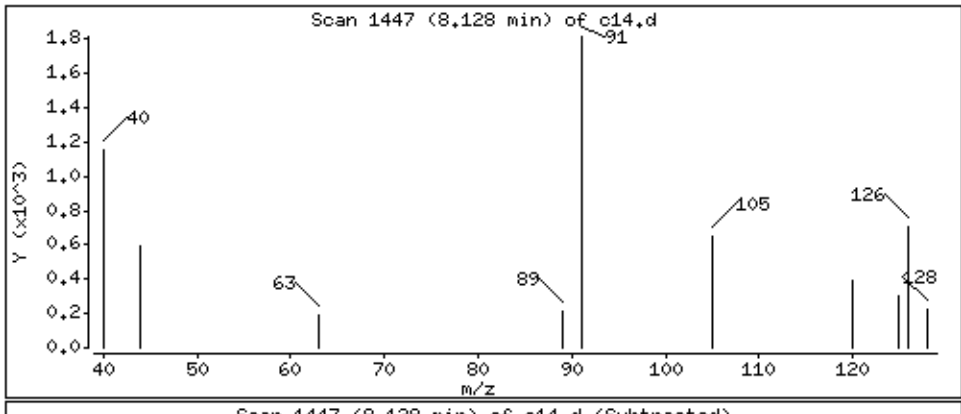
Operator: ala

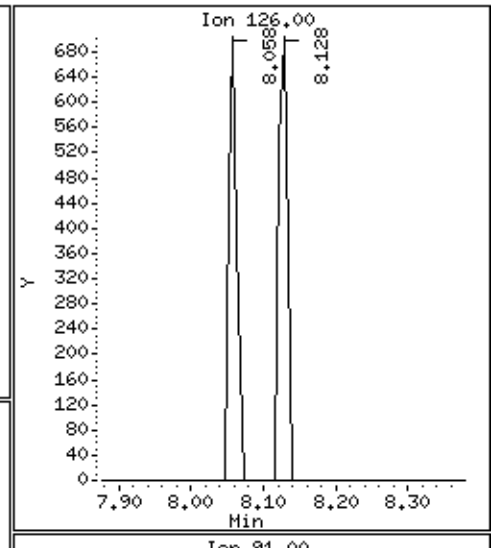
Column phase: DB-624

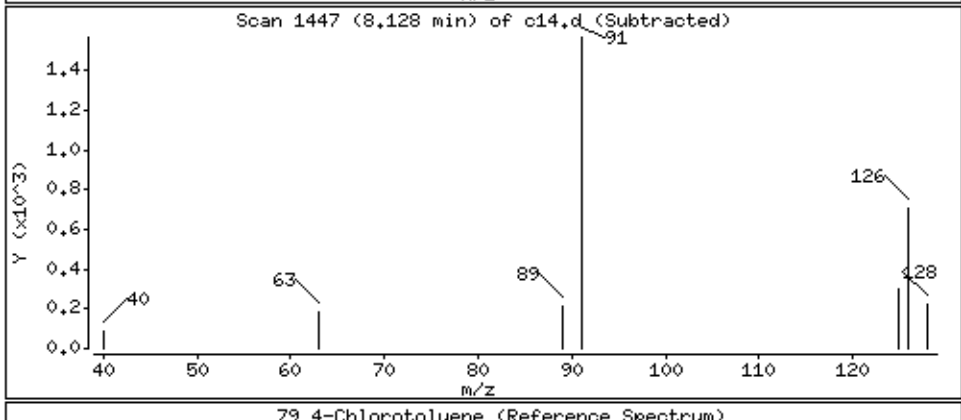
Column diameter: 0.18

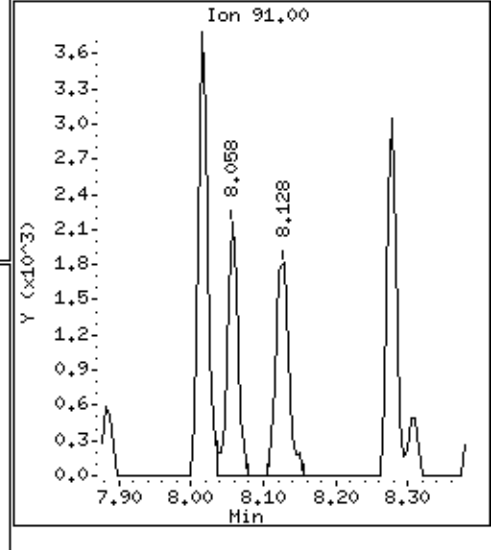
79 4-Chlorotoluene

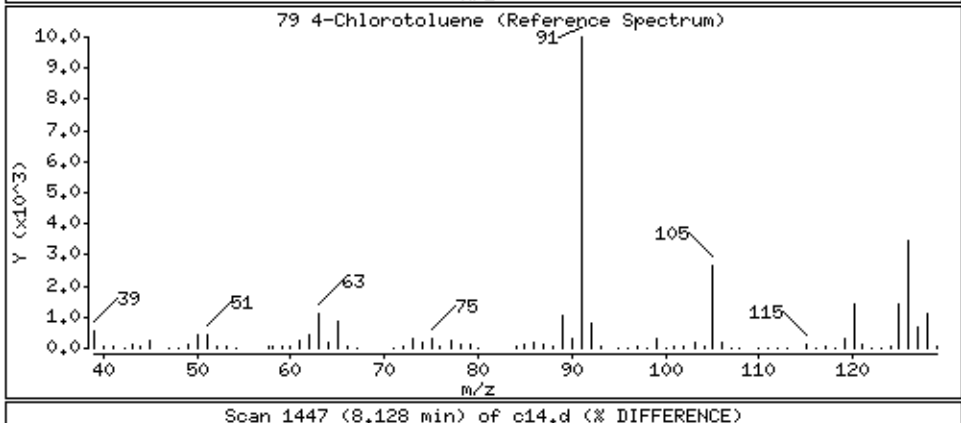
Concentration: 0.114 ppb

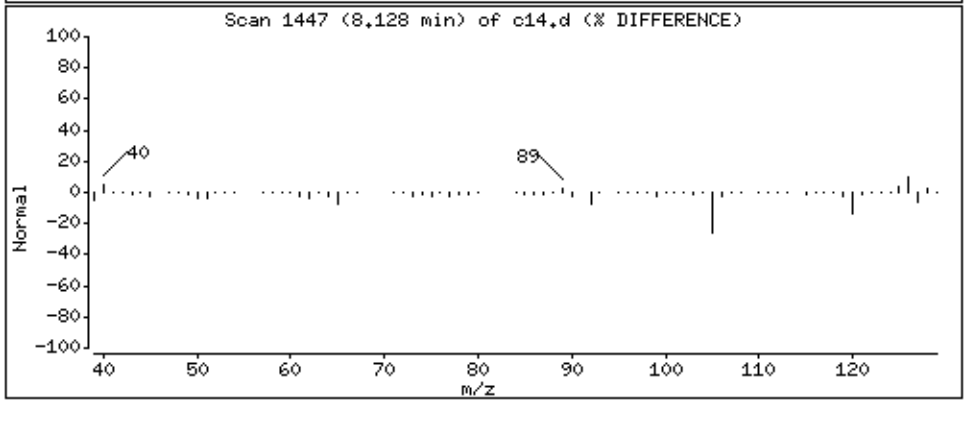












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

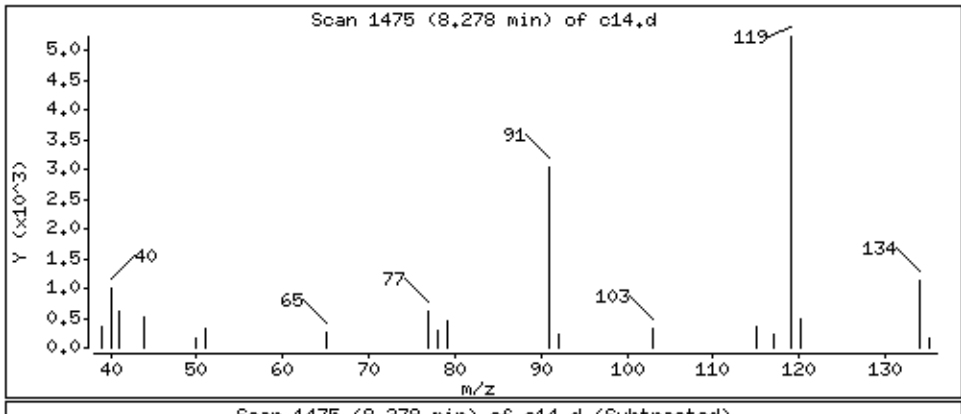
Operator: ala

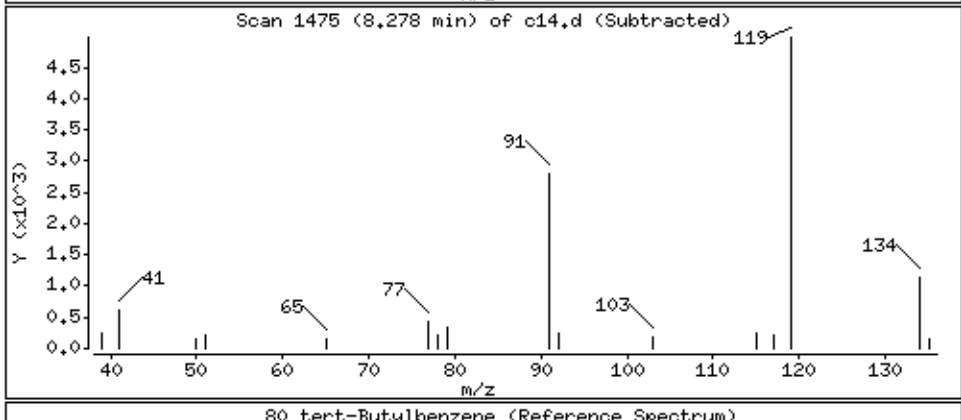
Column phase: DB-624

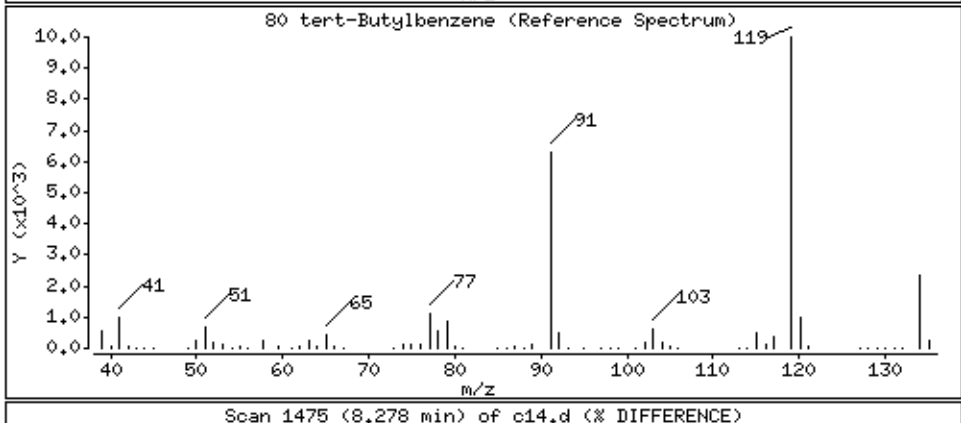
Column diameter: 0.18

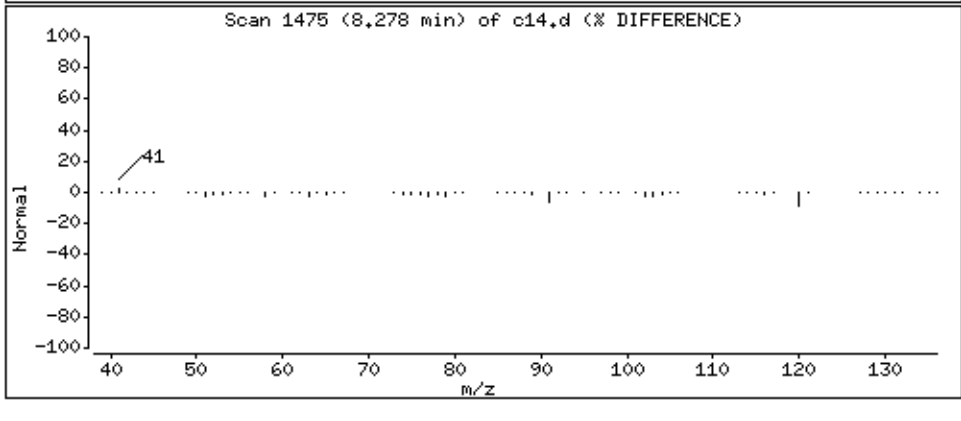
80 tert-Butylbenzene

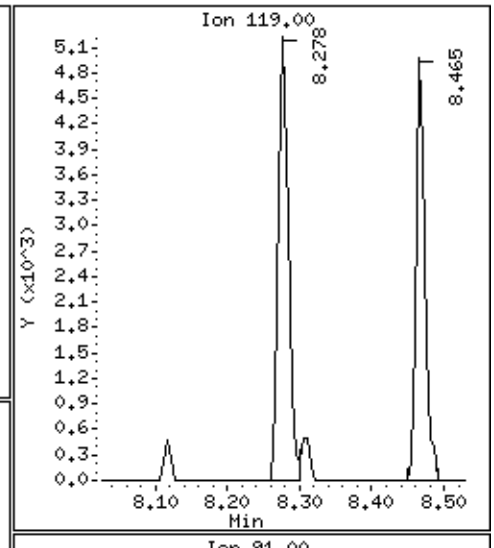
Concentration: 0.954 ppb

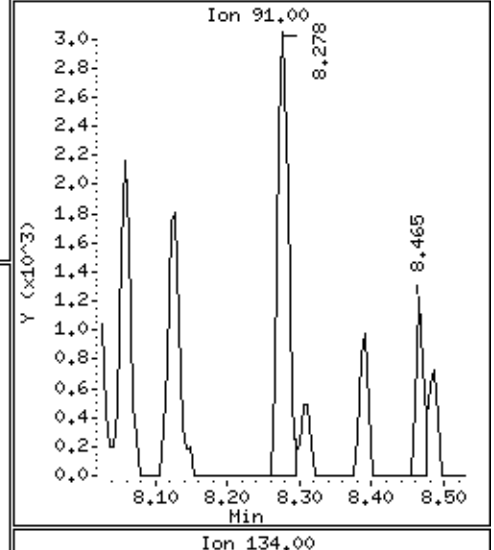


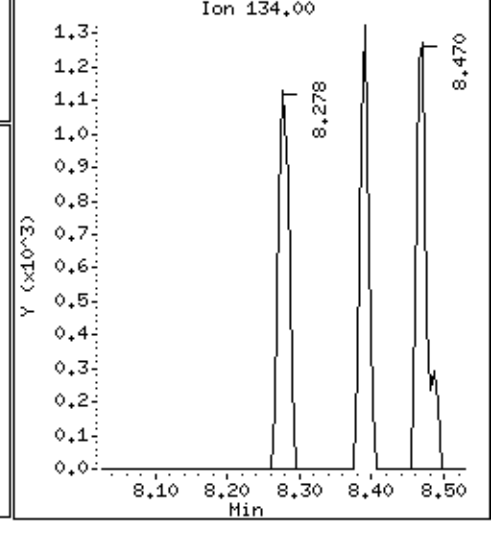












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

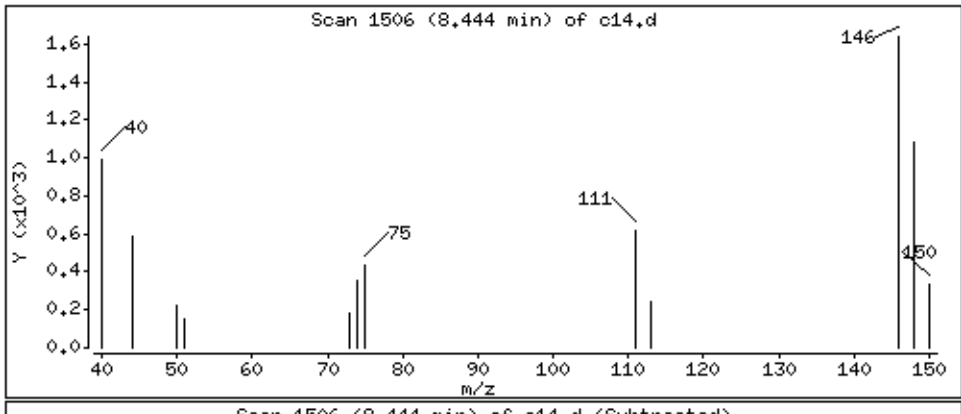
Operator: ala

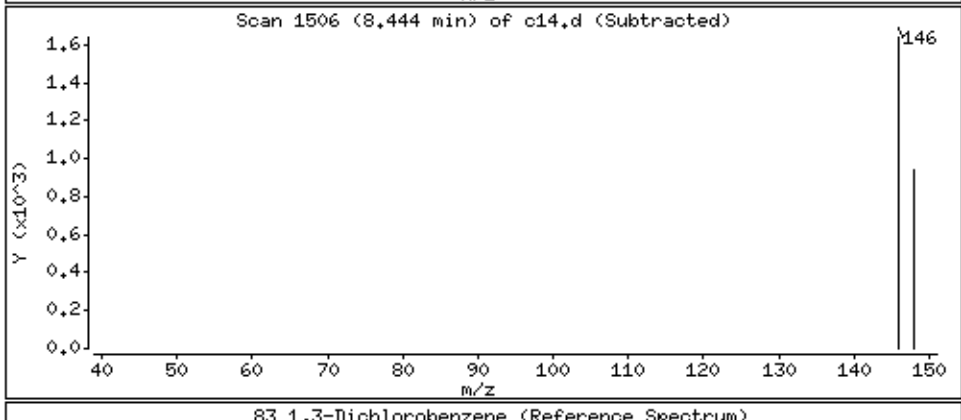
Column phase: DB-624

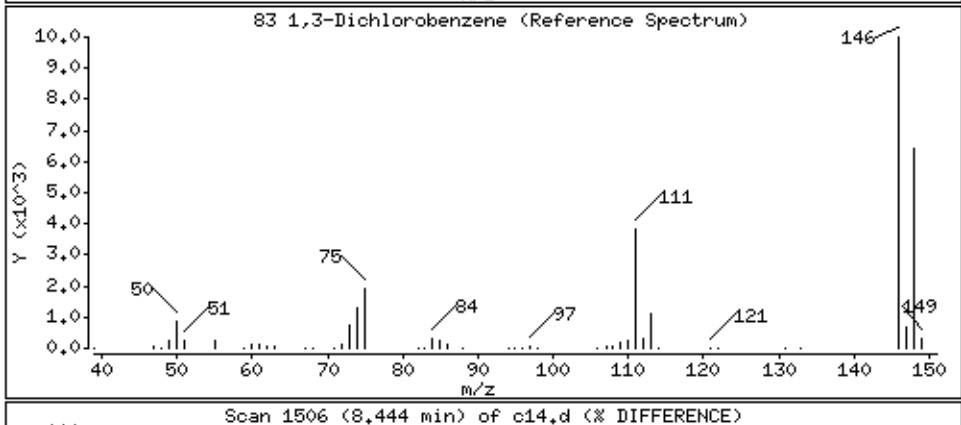
Column diameter: 0.18

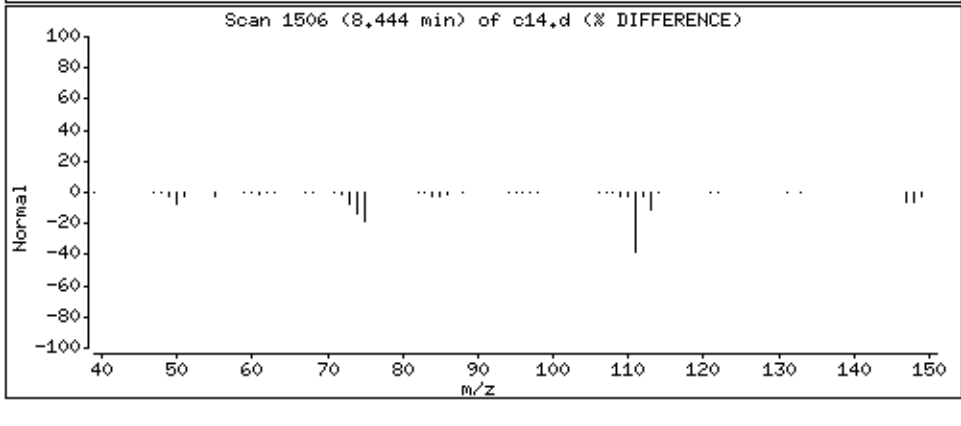
83 1,3-Dichlorobenzene

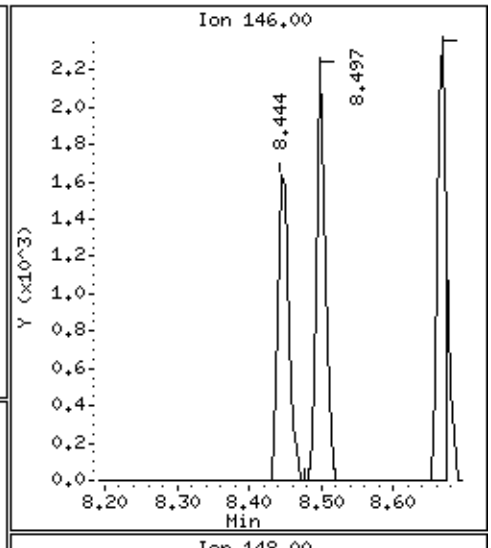
Concentration: 0.193 ppb

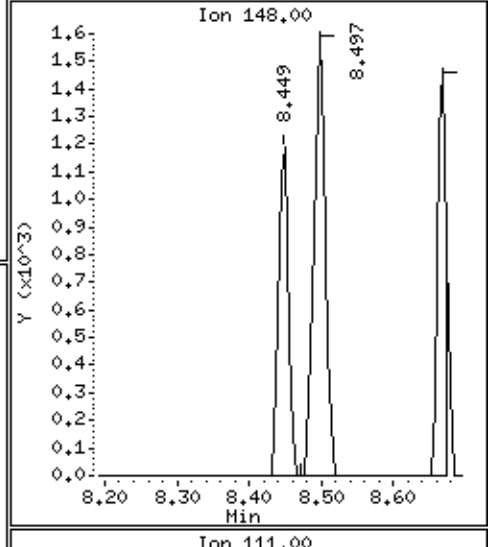


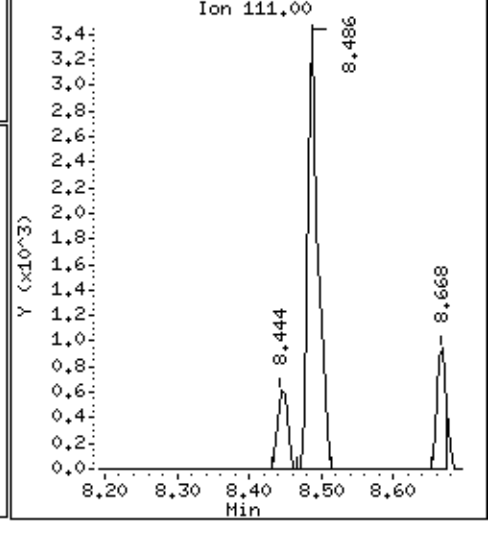












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c14.d

Date : 03-JUL-2014 09:02

Client ID: P-10 (2-4)

Instrument: 50mv6b.i

Sample Info: 5099765001

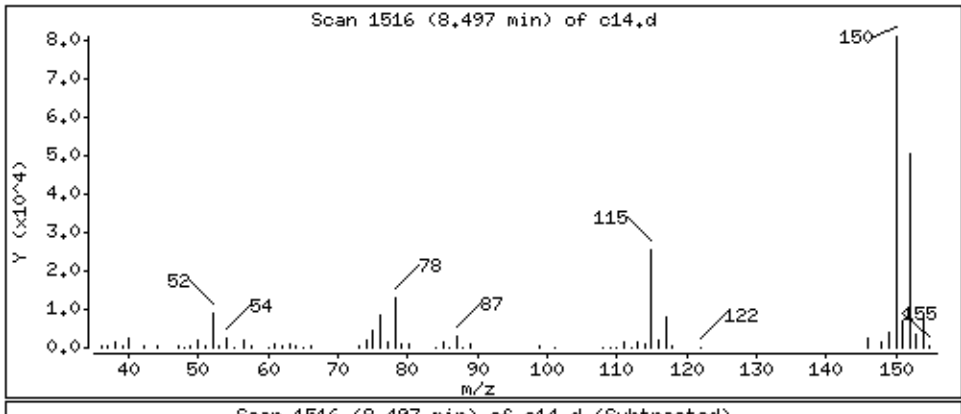
Operator: ala

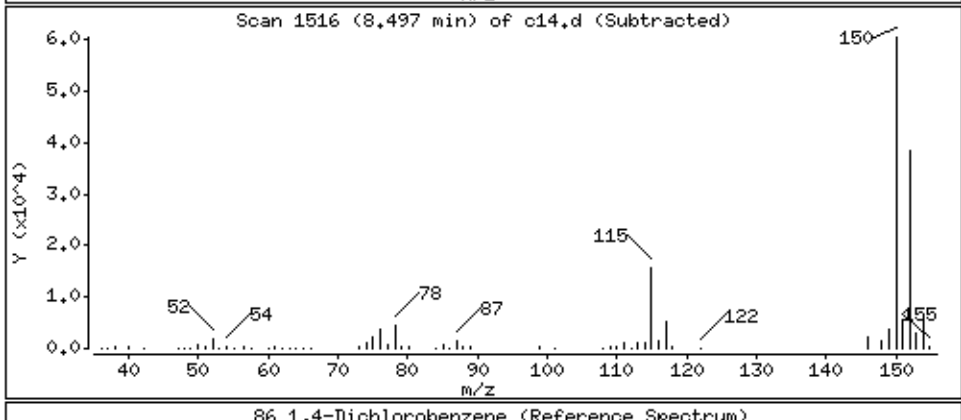
Column phase: DB-624

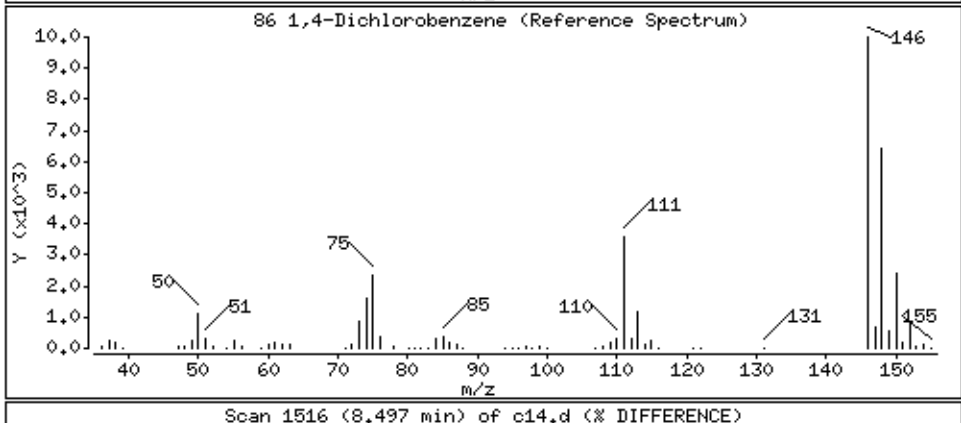
Column diameter: 0.18

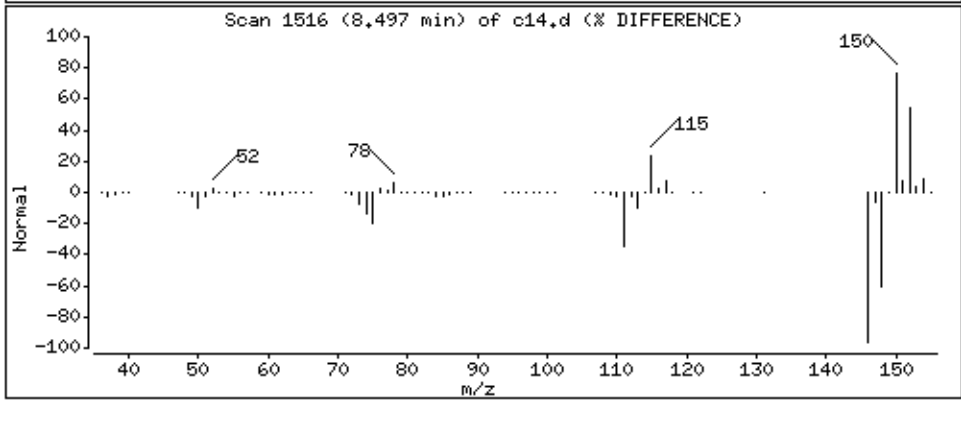
86 1,4-Dichlorobenzene

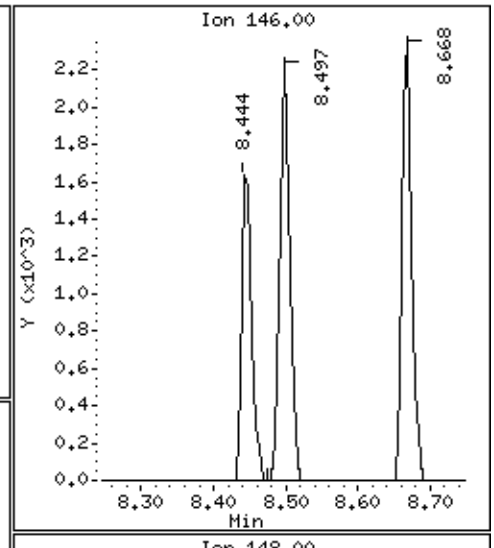
Concentration: 0.221 ppb

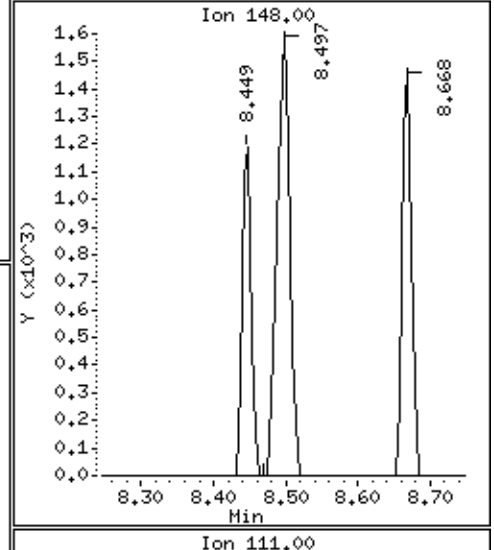


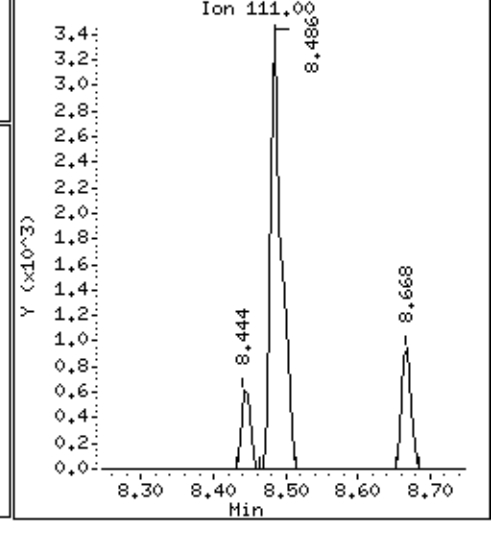












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/c14.d
Injection Date: 03-JUL-2014 09:02
Instrument: 50mv6b.i
Lab Sample ID: 5099765001
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

P-10 (12-14)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:29 Lab Sample ID: 5099765002

Date Analyzed: 07/03/2014 09:29 Lab File ID: B070214.B\C15.D

Initial wt/vol: 5.392 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 2.3%

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

SAMPLE NO.

P-10 (12-14)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:29 Lab Sample ID: 5099765002

Date Analyzed: 07/03/2014 09:29 Lab File ID: B070214.B\C15.D

Initial wt/vol: 5.392 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 2.3%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d
Lab Smp Id: 5099765002 Client Smp ID: P-10 (12-14)
Inj Date : 03-JUL-2014 09:29
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765002
Misc Info : 66435
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 38
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	2.346	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

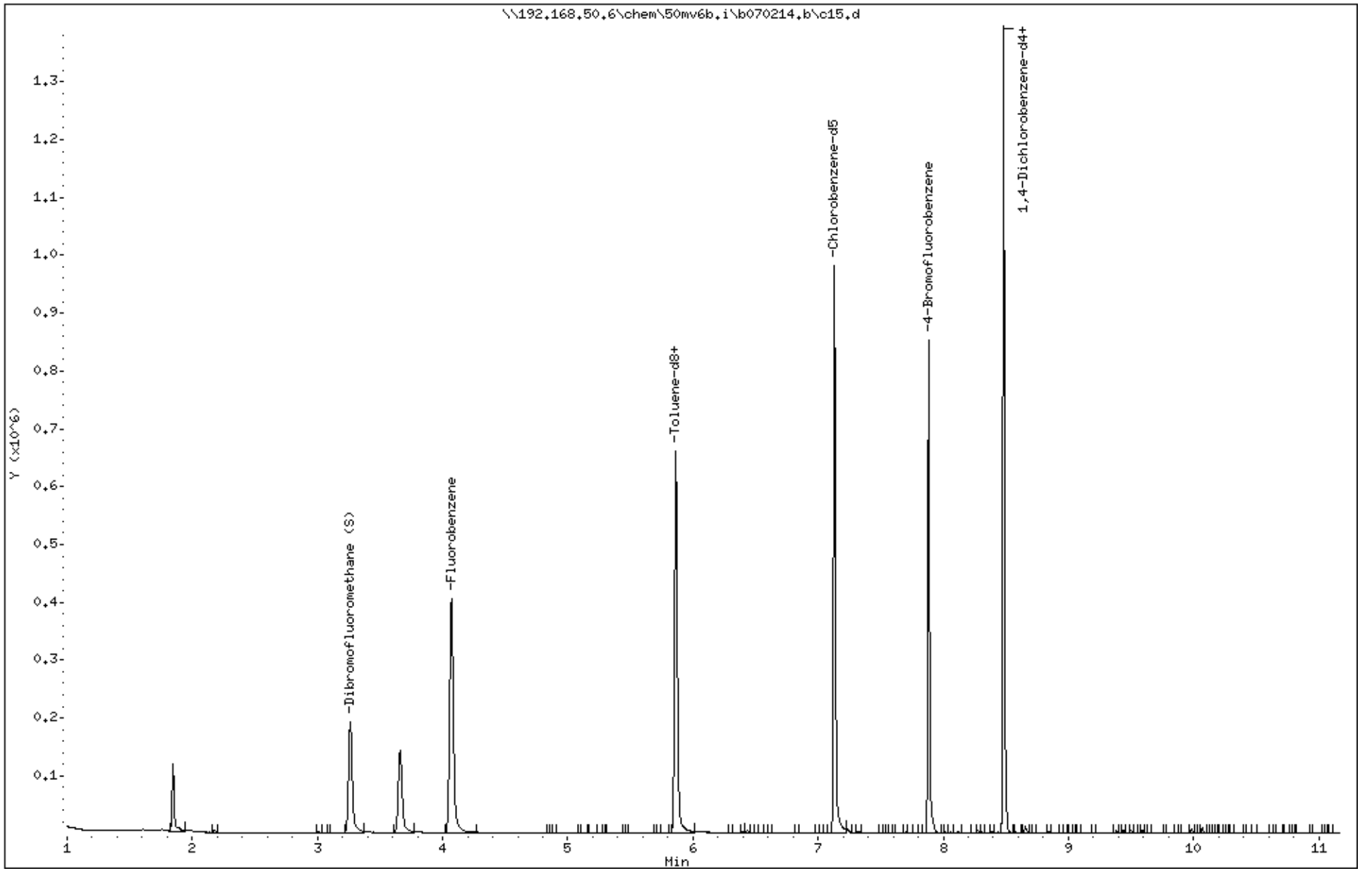
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.847	1.847	(0.454)	41763	2.39337	2.45
	18 tert-Butyl Alcohol	59	1.890	1.895	(0.464)	1556	6.48018	6.64
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	135434	56.9248	58.3
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	458120	50.0000	
$	51 Toluene-d8	98	5.865	5.864	(0.822)	416954	46.3542	47.5
	52 Toluene	91	5.929	5.934	(0.831)	1270	0.07900	0.0809
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	397319	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	168921	51.7456	53.0
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	225985	50.0000	
	86 1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	620	0.06602	0.0676(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d
Date : 03-JUL-2014 09:29
Client ID: P-10 (12-14)
Sample Info: 5099765002

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d

Date : 03-JUL-2014 09:29

Client ID: P-10 (12-14)

Instrument: 50mv6b.i

Sample Info: 5099765002

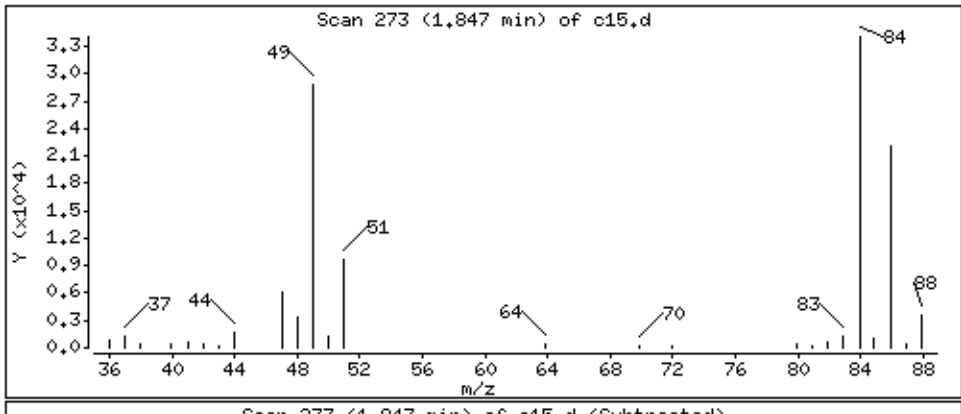
Operator: ala

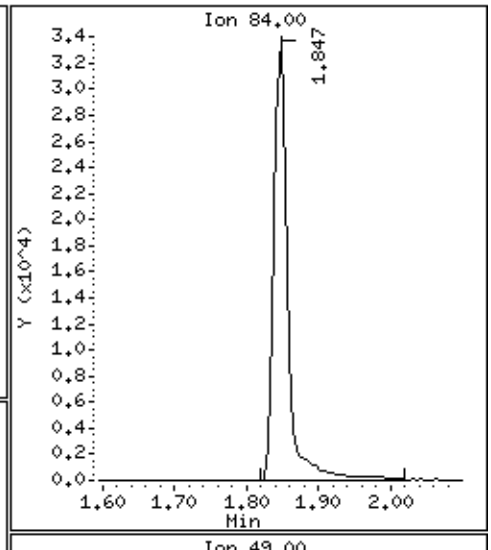
Column phase: DB-624

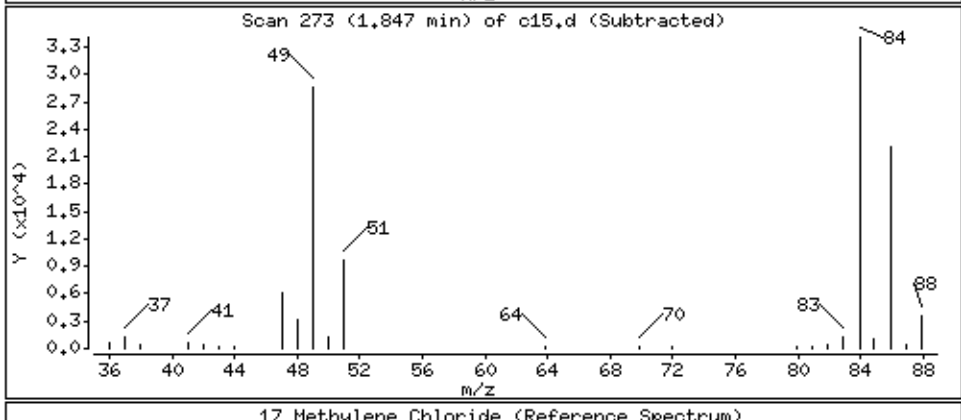
Column diameter: 0.18

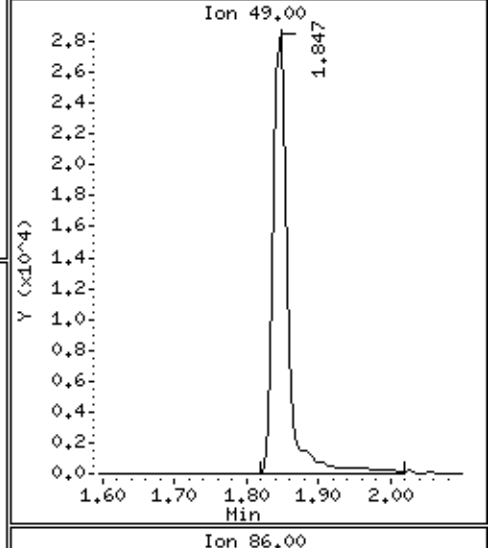
17 Methylene Chloride

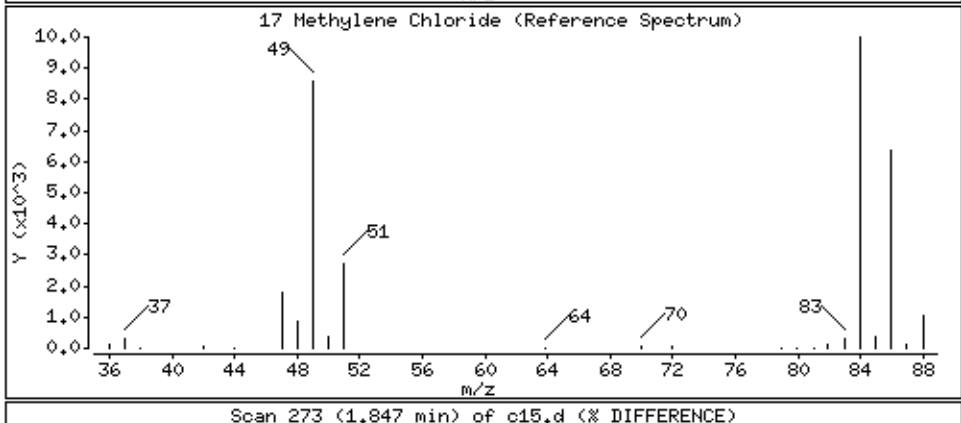
Concentration: 2.45 ppb

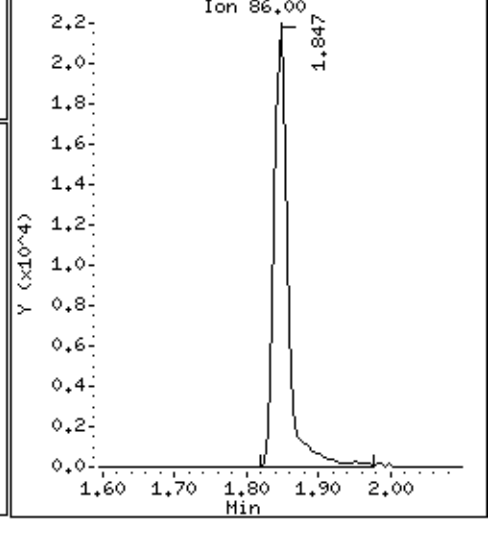


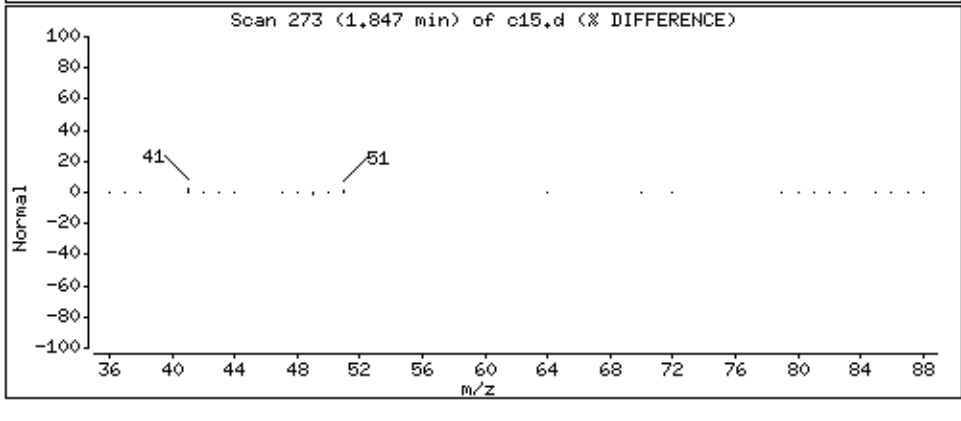












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d

Date : 03-JUL-2014 09:29

Client ID: P-10 (12-14)

Instrument: 50mv6b.i

Sample Info: 5099765002

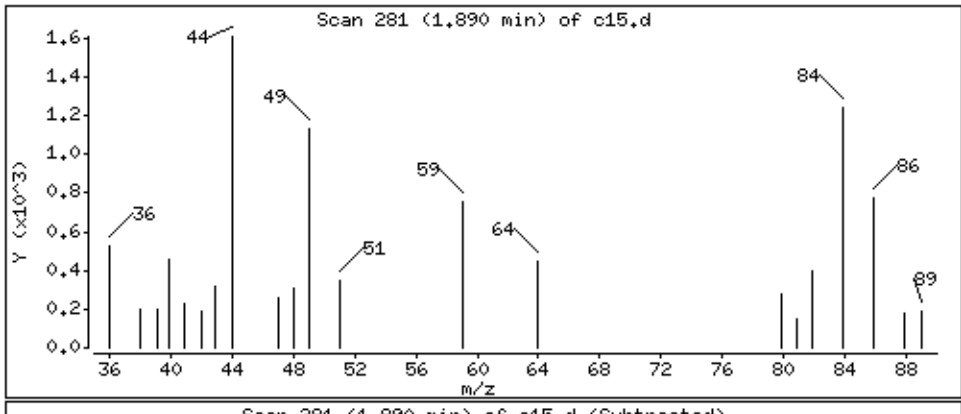
Operator: ala

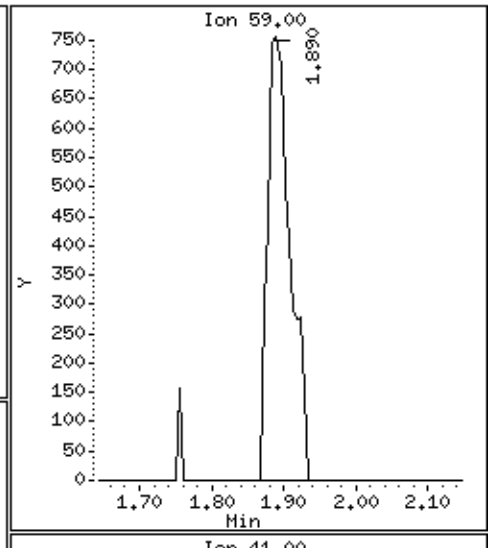
Column phase: DB-624

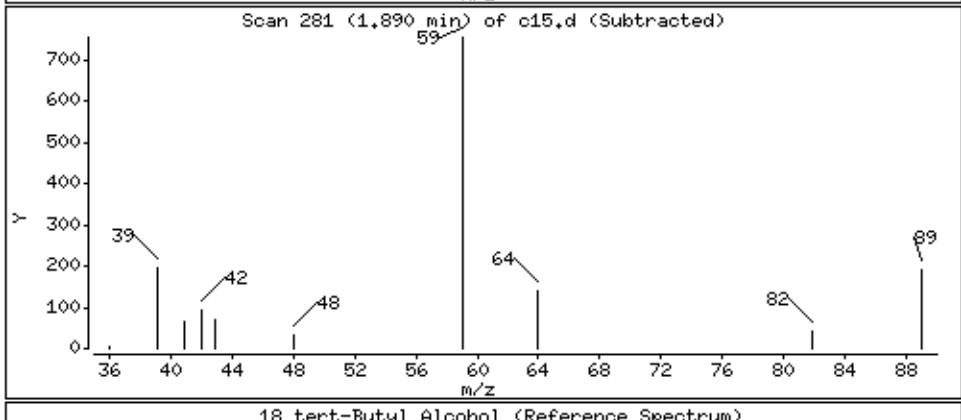
Column diameter: 0.18

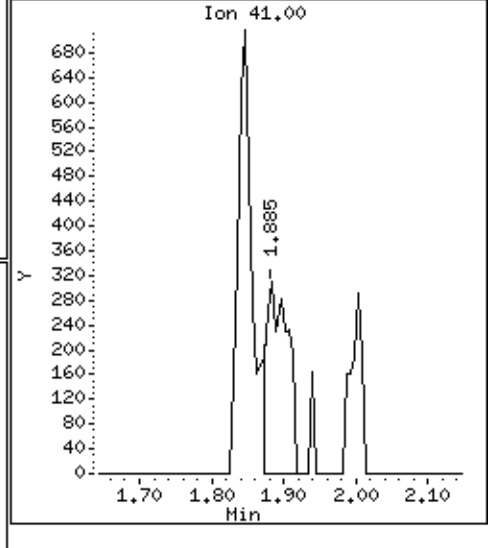
18 tert-Butyl Alcohol

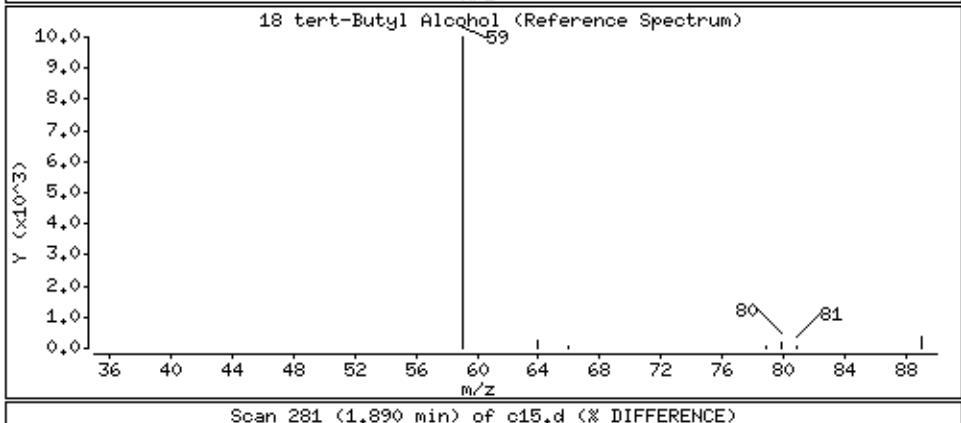
Concentration: 6.64 ppb

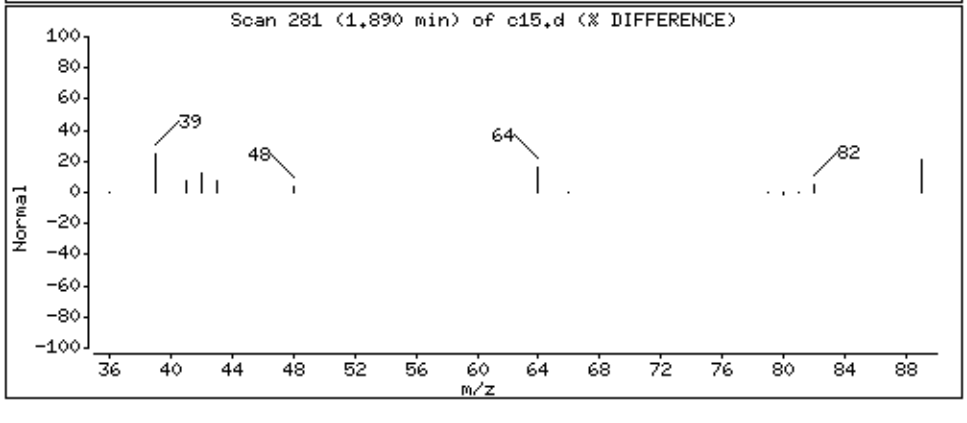












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d

Date : 03-JUL-2014 09:29

Client ID: P-10 (12-14)

Instrument: 50mv6b.i

Sample Info: 5099765002

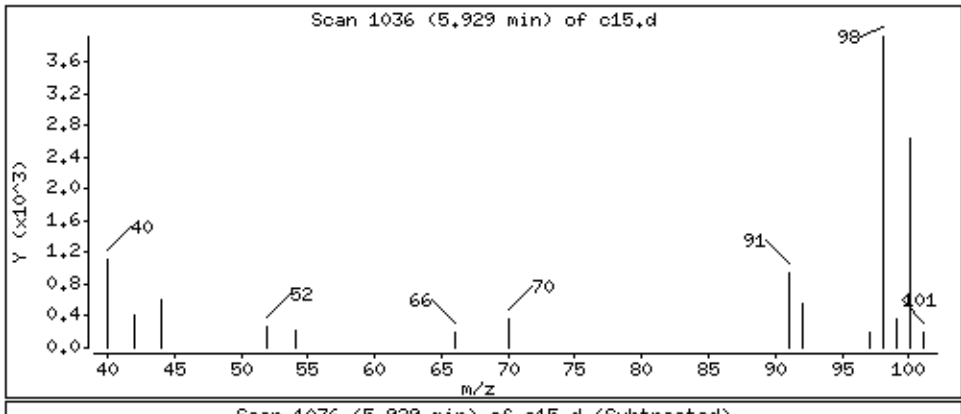
Operator: ala

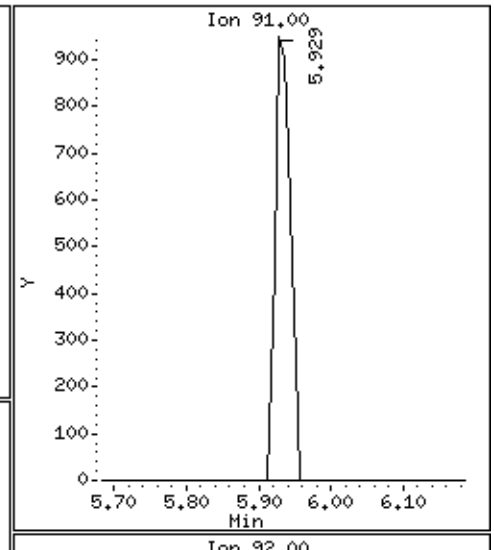
Column phase: DB-624

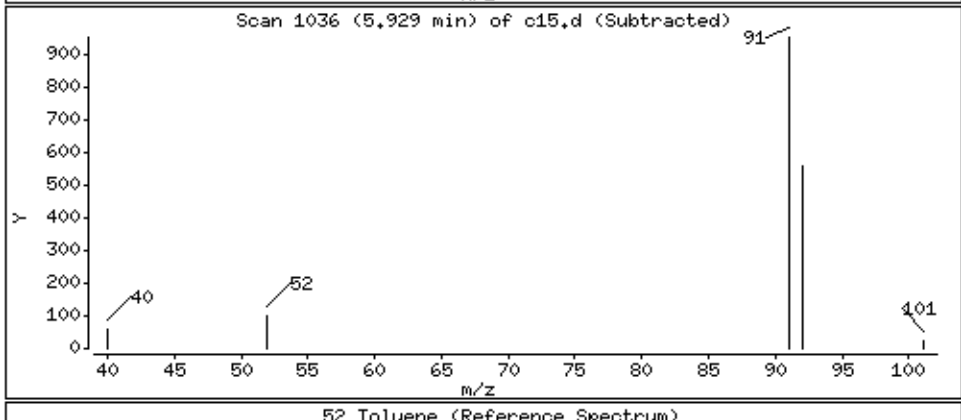
Column diameter: 0.18

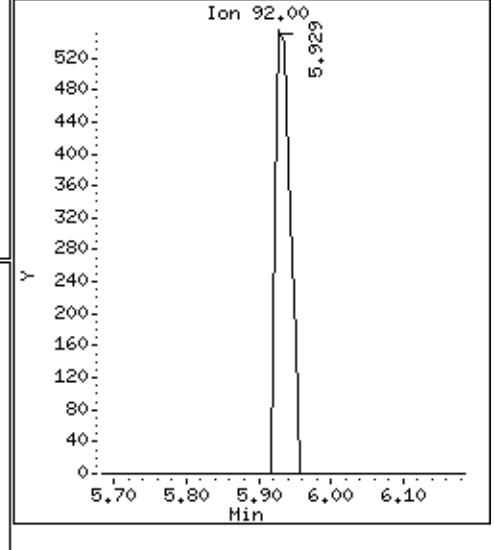
52 Toluene

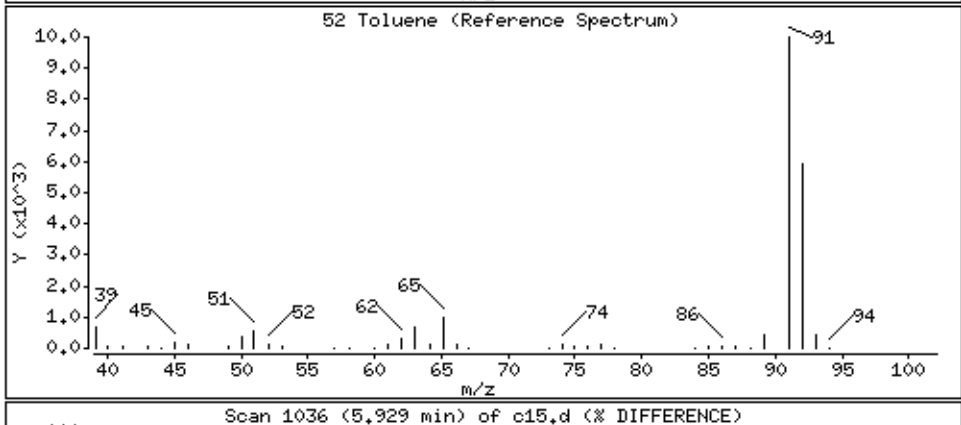
Concentration: 0.0809 ppb

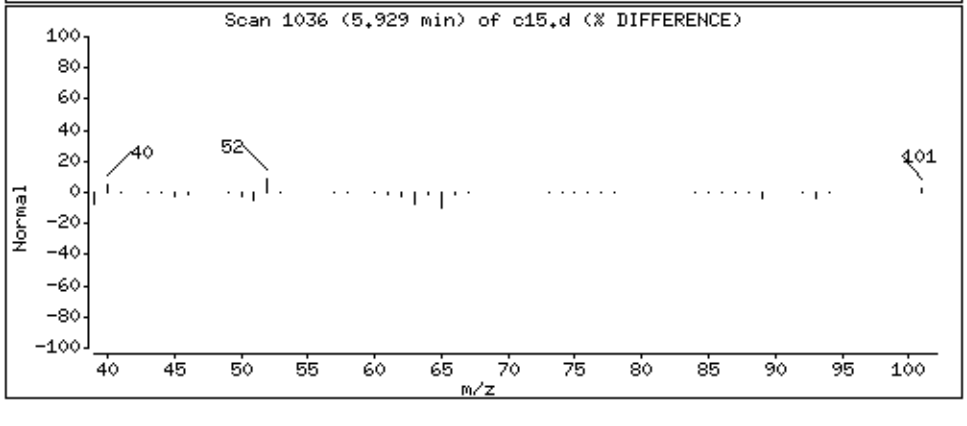












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c15.d

Date : 03-JUL-2014 09:29

Client ID: P-10 (12-14)

Instrument: 50mv6b.i

Sample Info: 5099765002

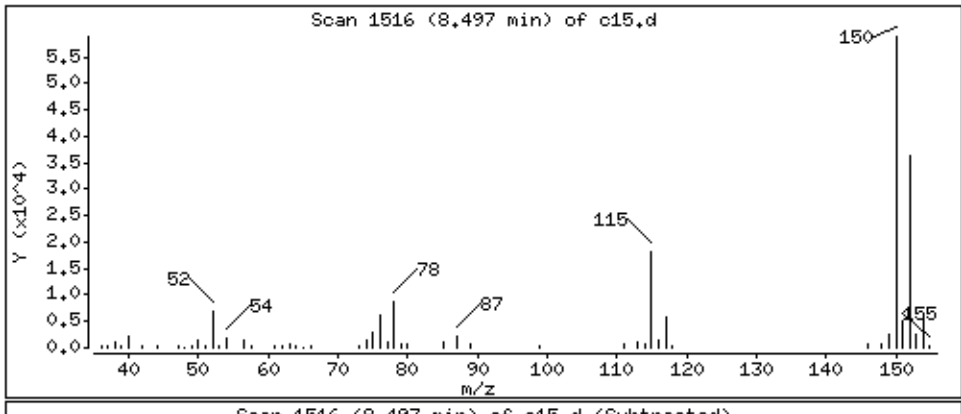
Operator: ala

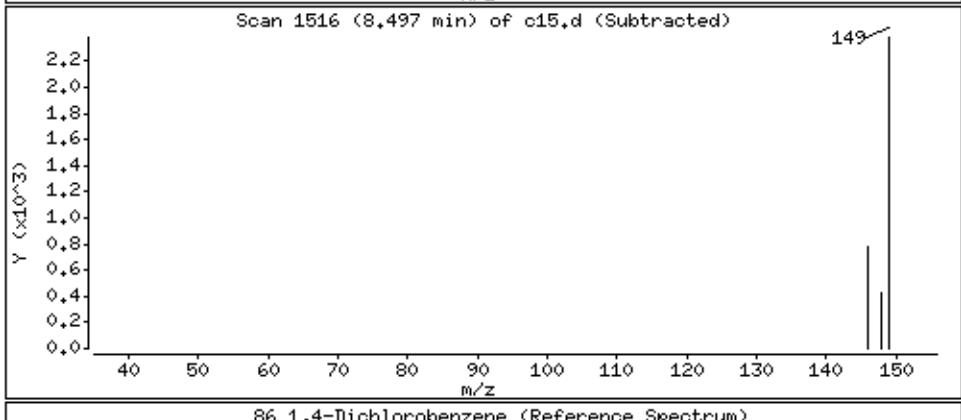
Column phase: DB-624

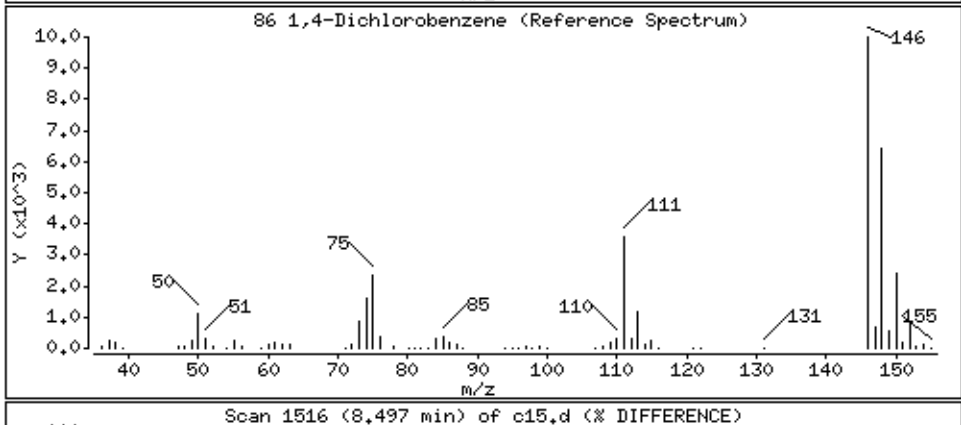
Column diameter: 0.18

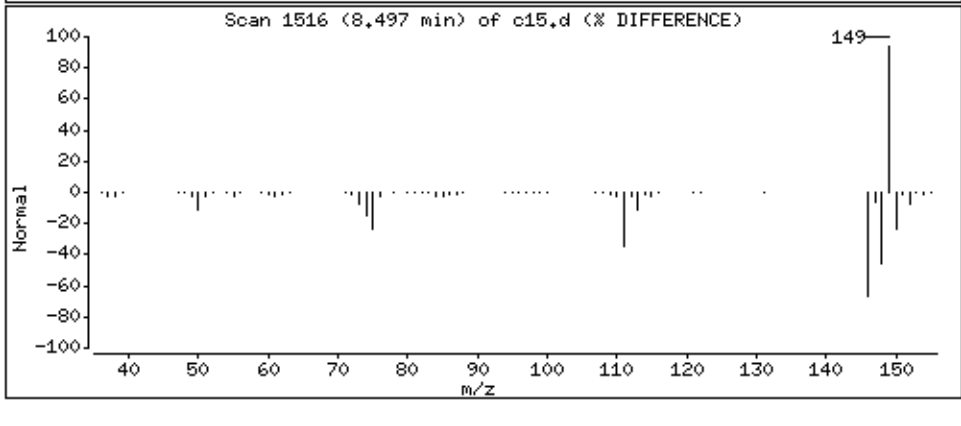
86 1,4-Dichlorobenzene

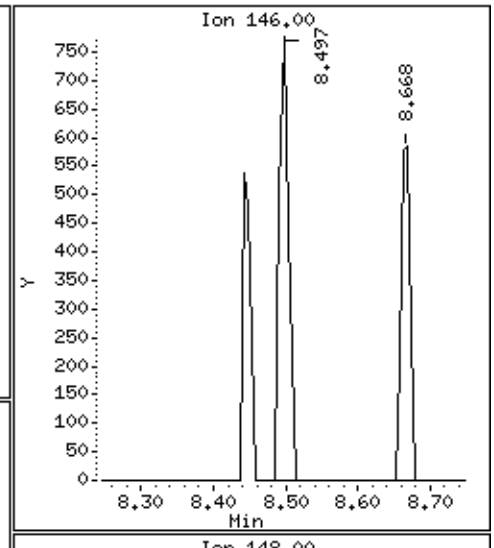
Concentration: 0.0676 ppb

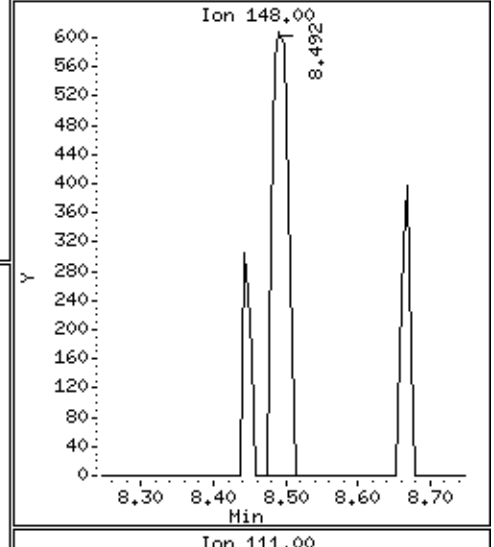


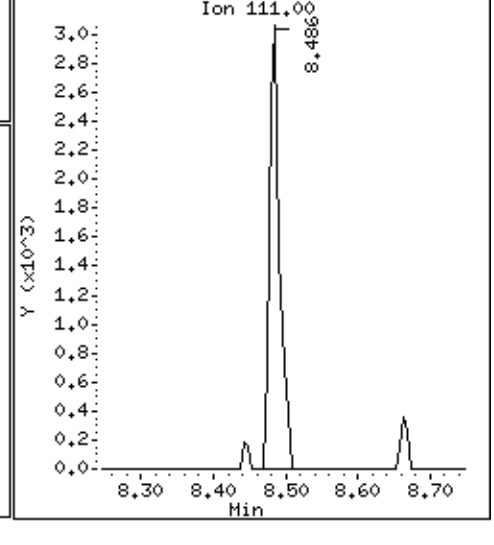












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/c15.d
Injection Date: 03-JUL-2014 09:29
Instrument: 50mv6b.i
Lab Sample ID: 5099765002
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

TMW-10 (3-5)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:56 Lab Sample ID: 5099765003

Date Analyzed: 07/03/2014 09:56 Lab File ID: B070214.B\C16.D

Initial wt/vol: 6.032 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 8.2%

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

SAMPLE NO.

TMW-10 (3-5)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 09:56 Lab Sample ID: 5099765003

Date Analyzed: 07/03/2014 09:56 Lab File ID: B070214.B\C16.D

Initial wt/vol: 6.032 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 8.2%

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\50mv6b.i\b070214.b\c16.d
Lab Smp Id: 5099765003 Client Smp ID: TMW-10 (3-5)
Inj Date : 03-JUL-2014 09:56
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765003
Misc Info : 66435
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 39
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	8.240	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

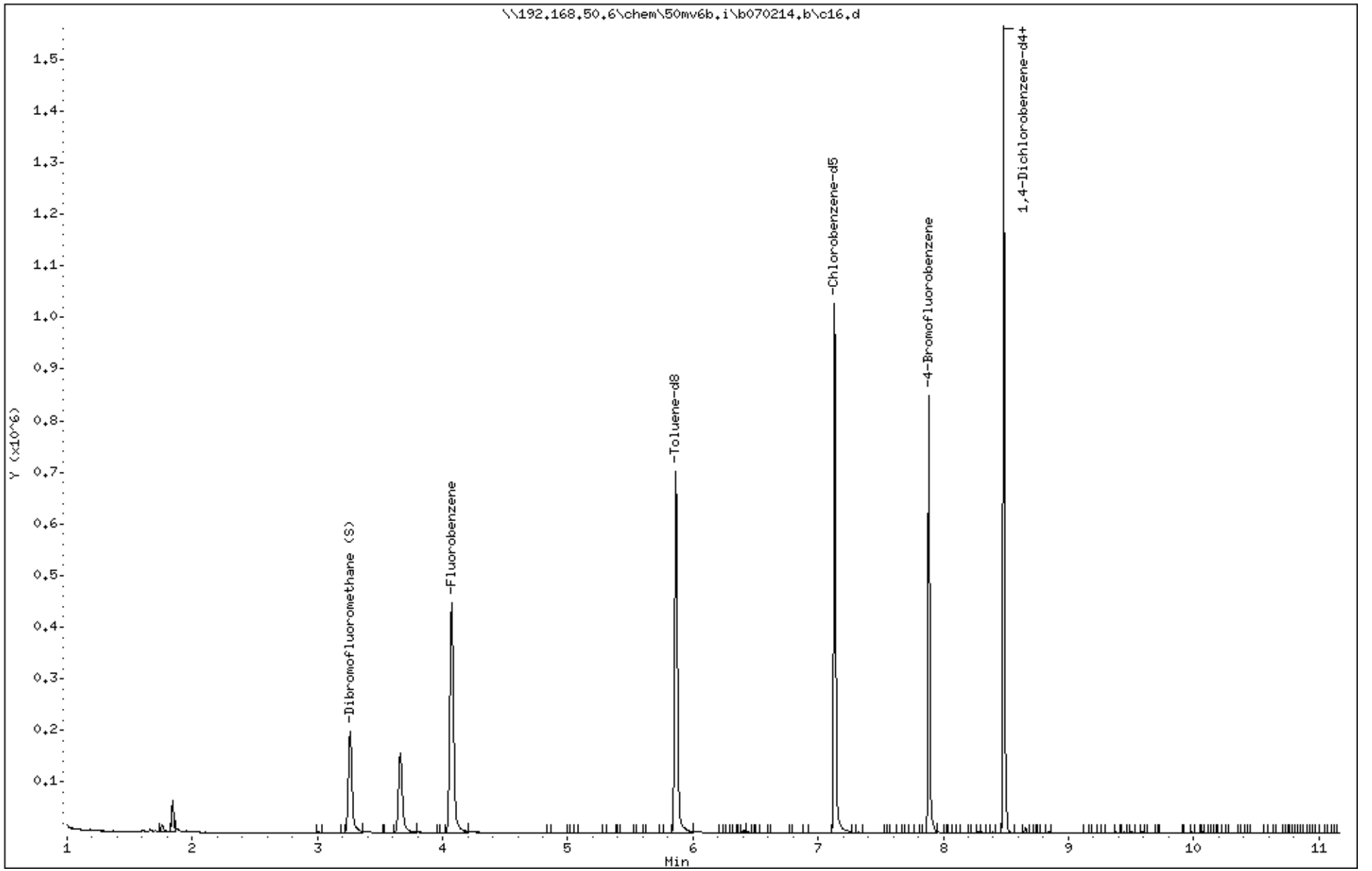
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	2 Chloromethane	50	1.001	1.001	(0.246)	1813	0.68999	0.752
	13 Iodomethane	142	1.665	1.670	(0.409)	2893	5.16421	5.63
	16 Methyl Acetate	43	1.761	1.762	(0.433)	10786	8.61145	9.38
	18 tert-Butyl Alcohol	59	1.906	1.895	(0.468)	1290	4.86448	5.30(Q)
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	137163	52.2011	56.9
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	505953	50.0000	
$	51 Toluene-d8	98	5.864	5.864	(0.822)	440202	46.7142	50.9
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	416239	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	177942	52.0313	56.7
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	231927	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	504	0.05230	0.0570(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c16.d
Date : 03-JUL-2014 09:56
Client ID: TMW-10 (3-5)
Sample Info: 5099765003

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c16.d

Date : 03-JUL-2014 09:56

Client ID: TMW-10 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765003

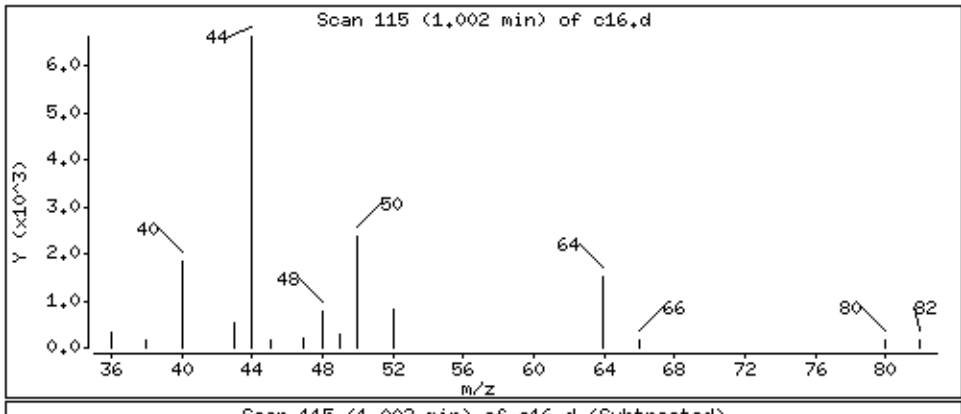
Operator: ala

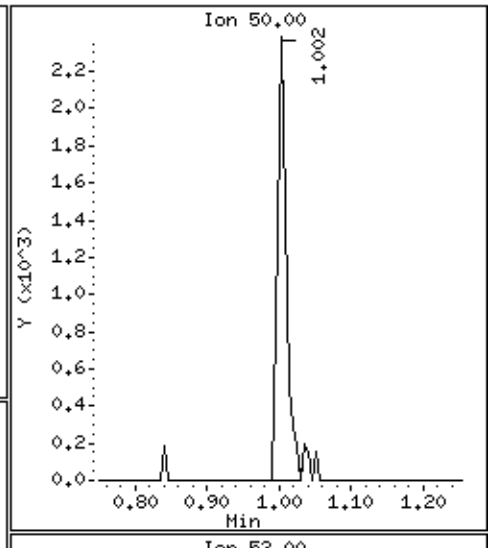
Column phase: DB-624

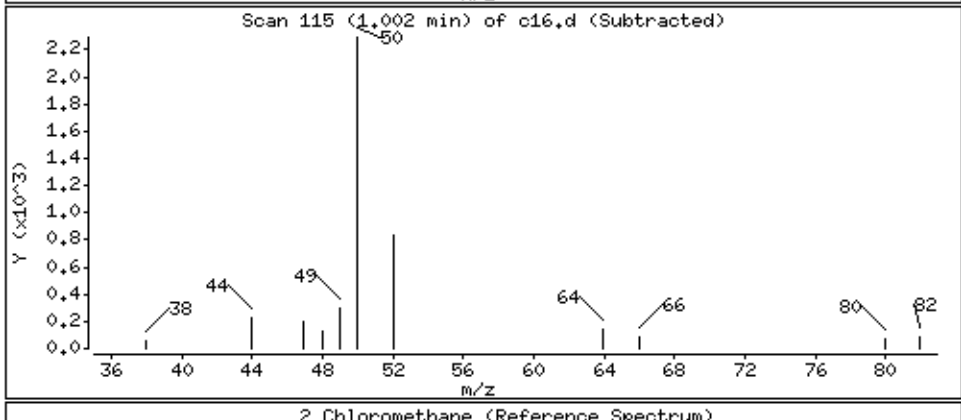
Column diameter: 0.18

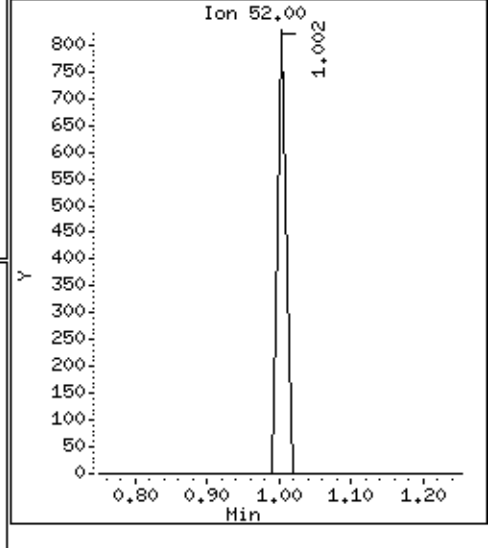
2 Chloromethane

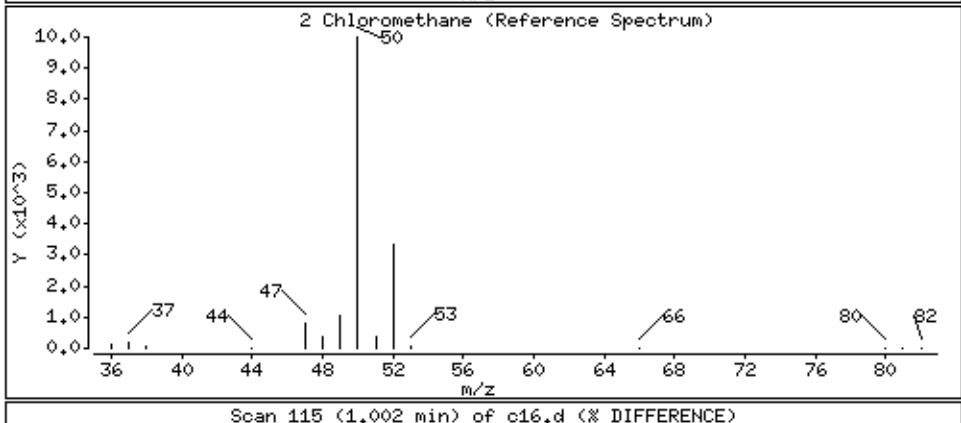
Concentration: 0.752 ppb

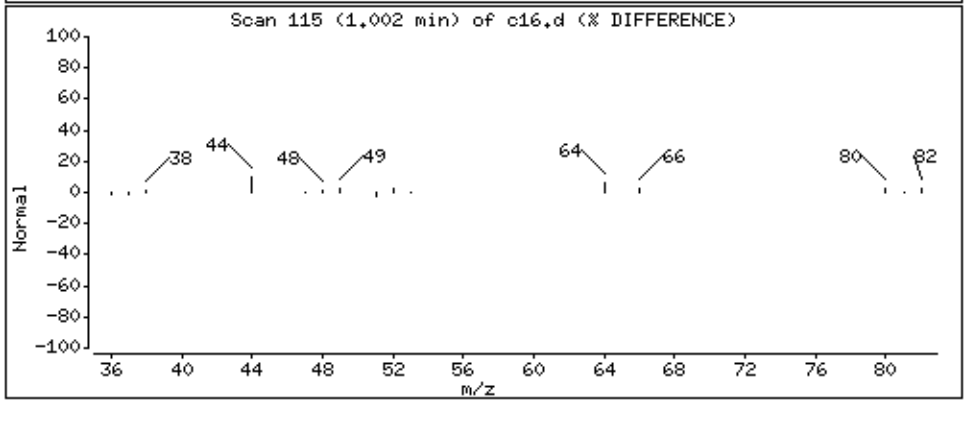












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c16.d

Date : 03-JUL-2014 09:56

Client ID: TMW-10 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765003

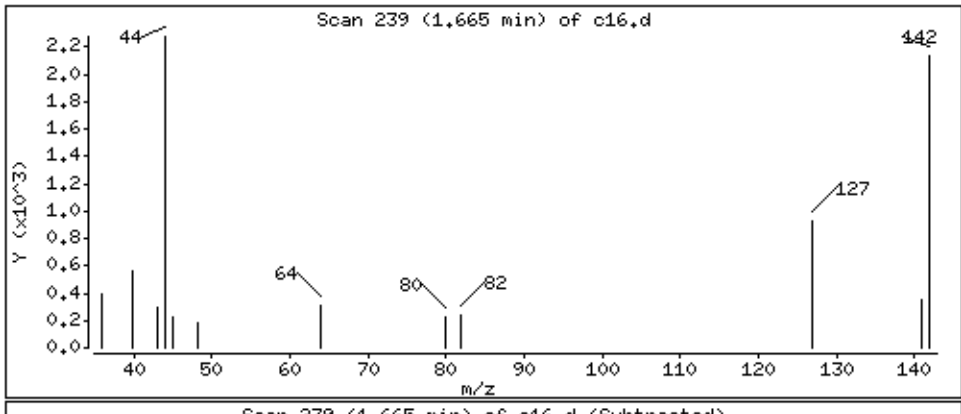
Operator: ala

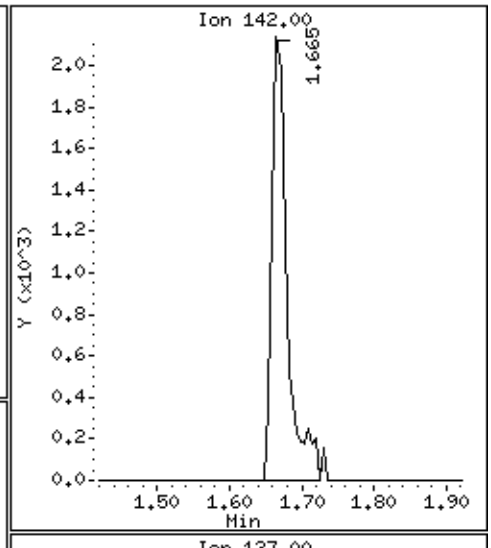
Column phase: DB-624

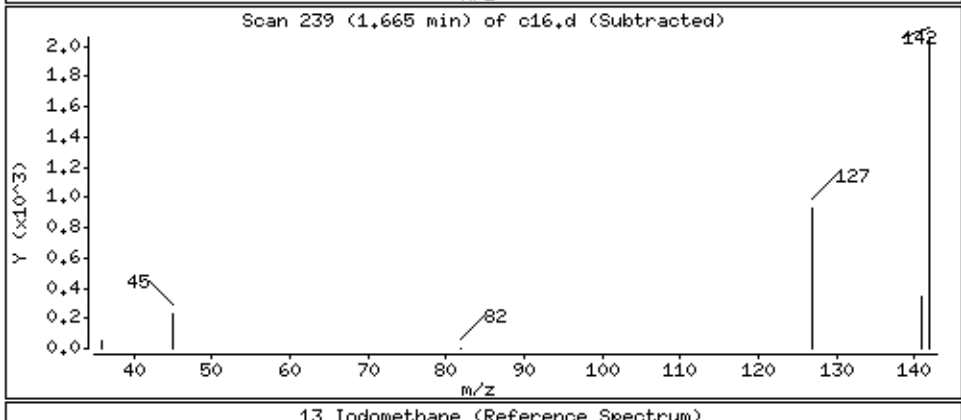
Column diameter: 0.18

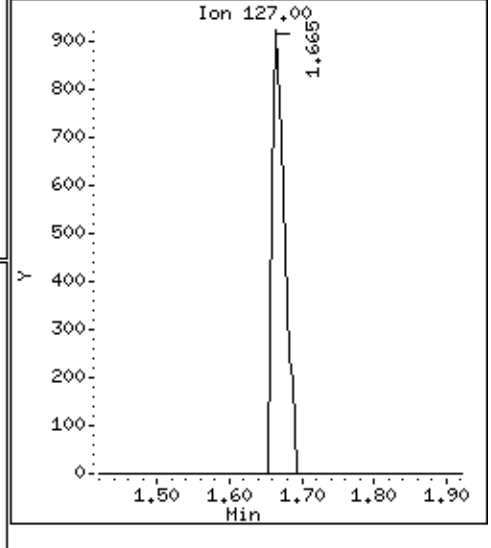
13 Iodomethane

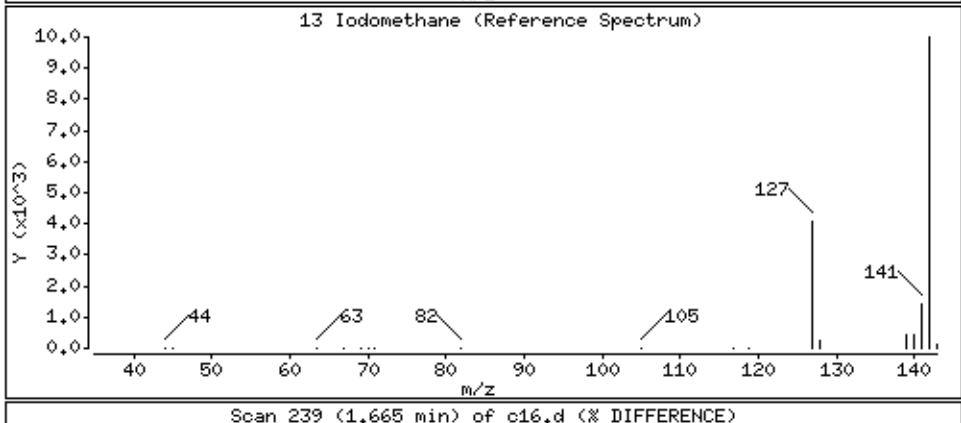
Concentration: 5.63 ppb

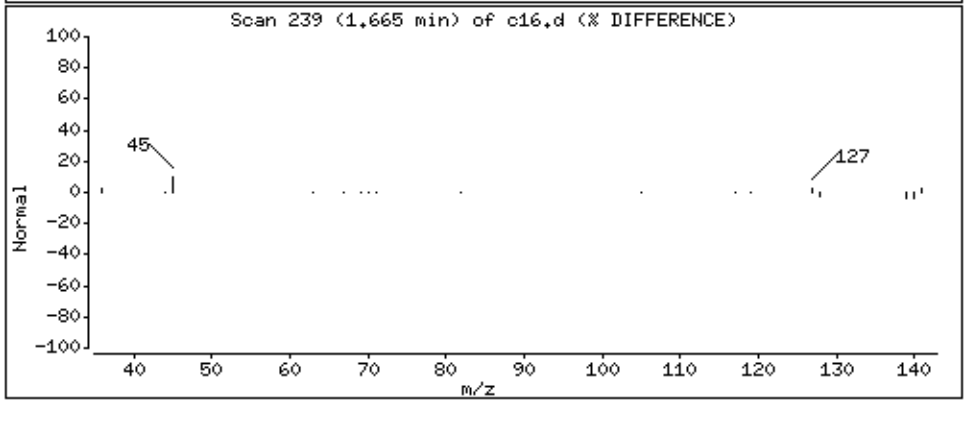












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c16.d

Date : 03-JUL-2014 09:56

Client ID: TMW-10 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765003

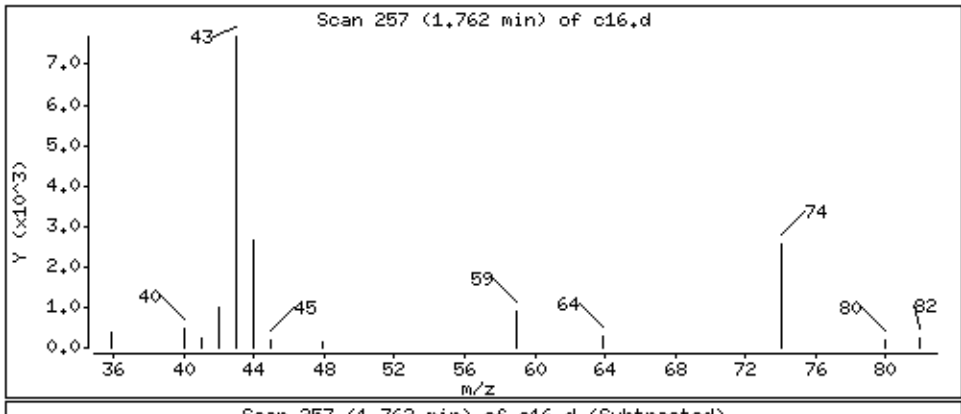
Operator: ala

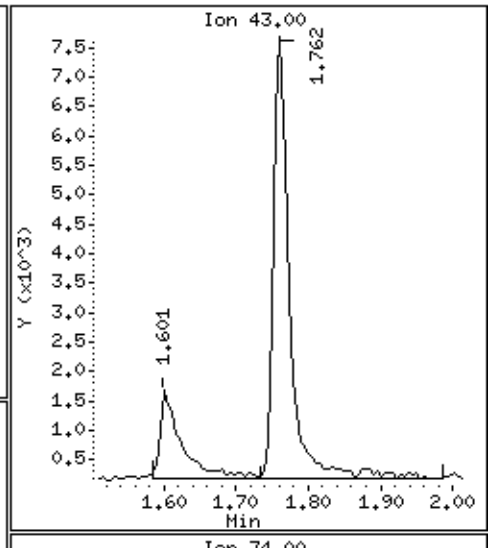
Column phase: DB-624

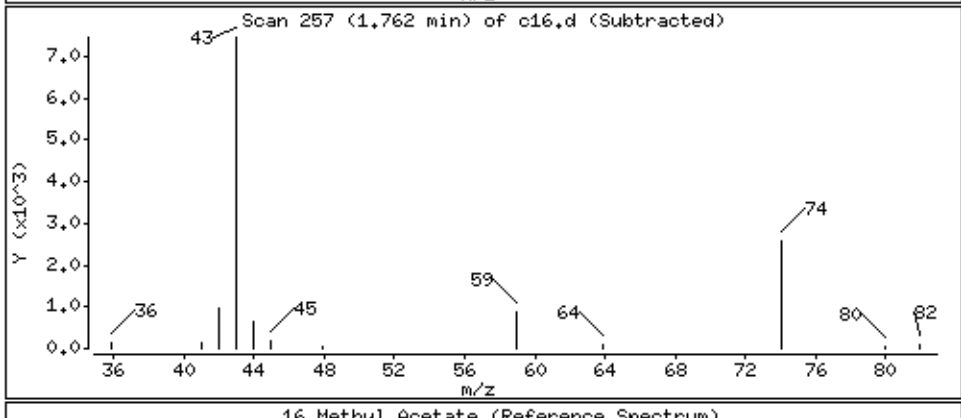
Column diameter: 0.18

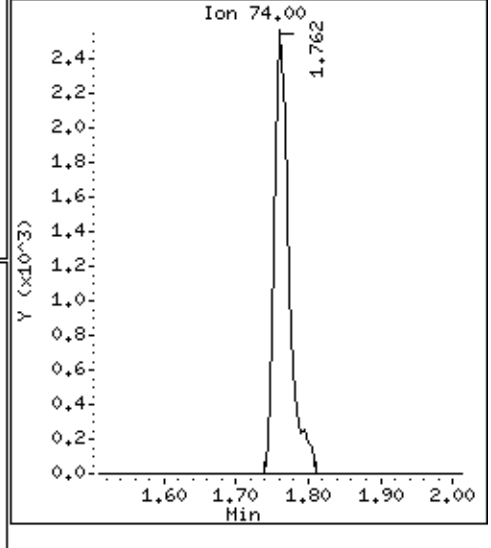
16 Methyl Acetate

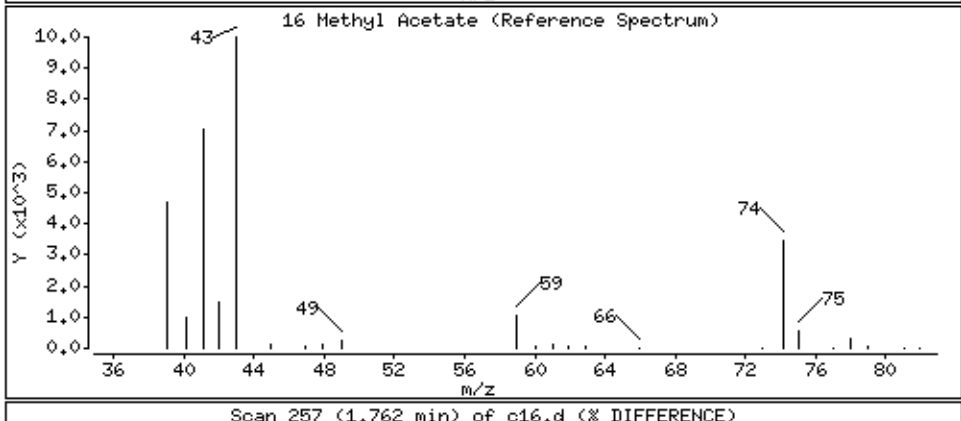
Concentration: 9.38 ppb

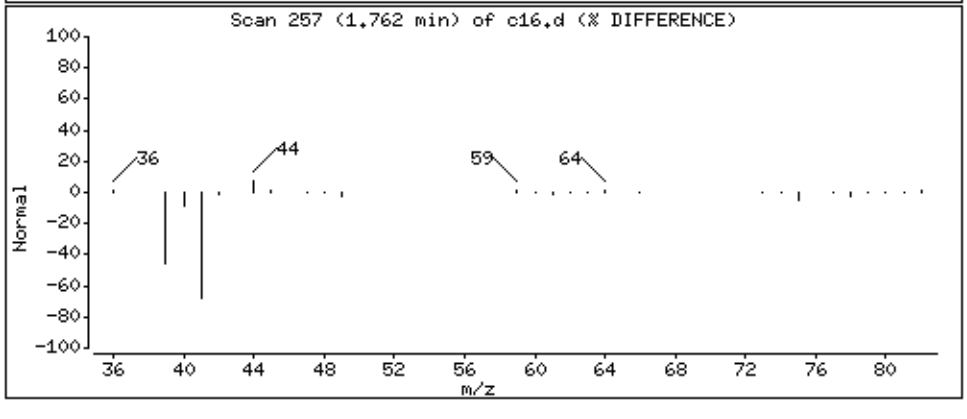












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Date : 03-JUL-2014 09:56

Client ID: TMW-10 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765003

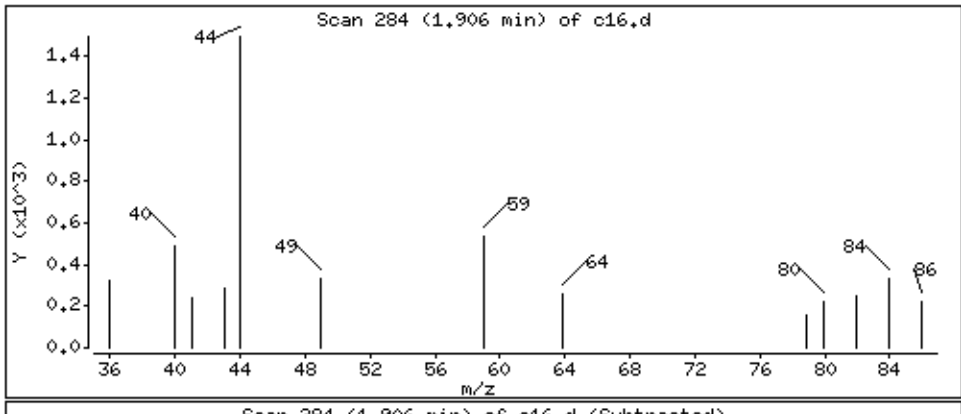
Operator: ala

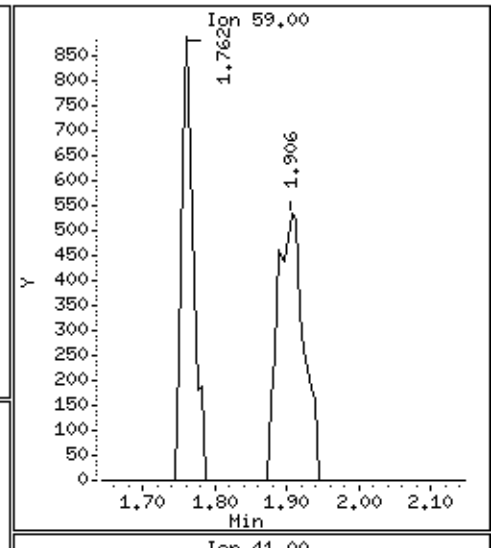
Column phase: DB-624

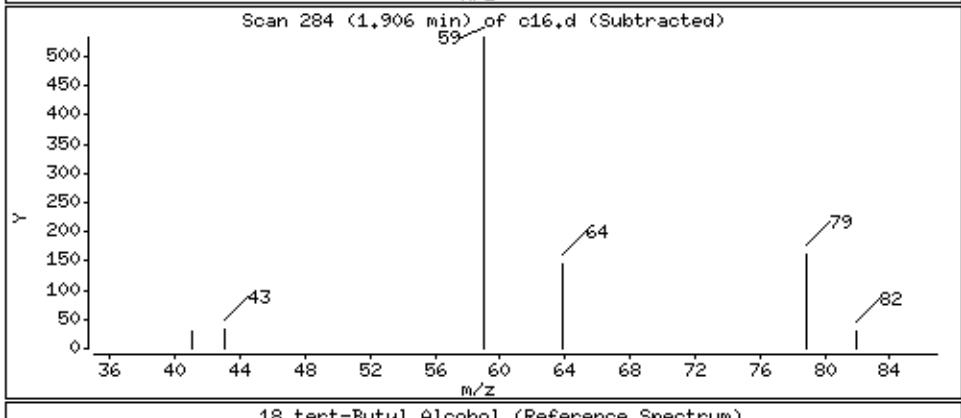
Column diameter: 0.18

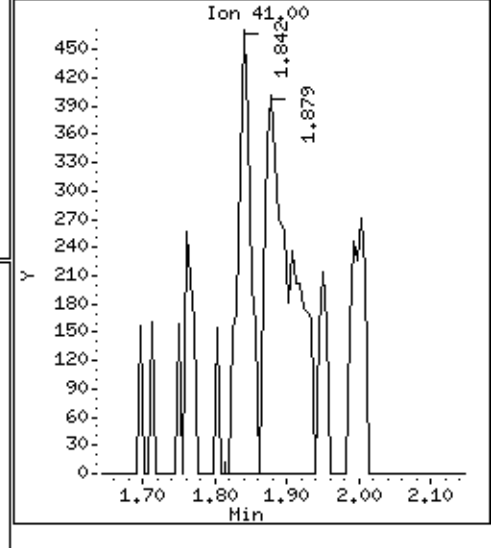
18 tert-Butyl Alcohol

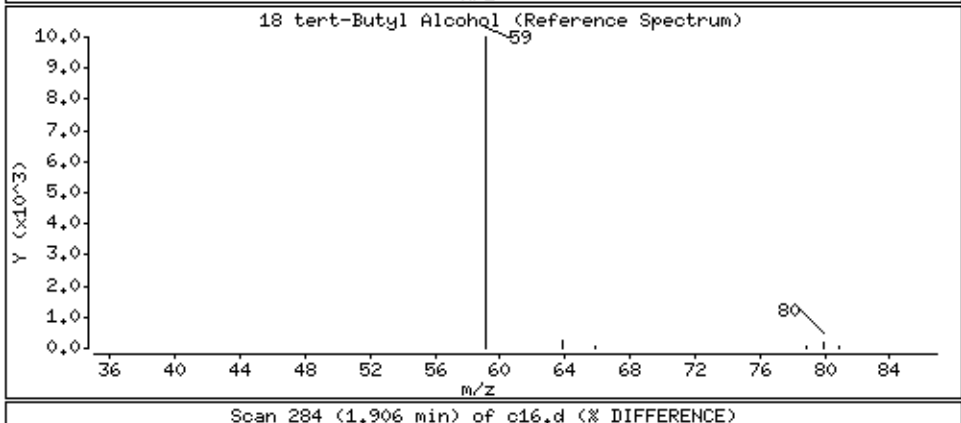
Concentration: 5.30 ppb

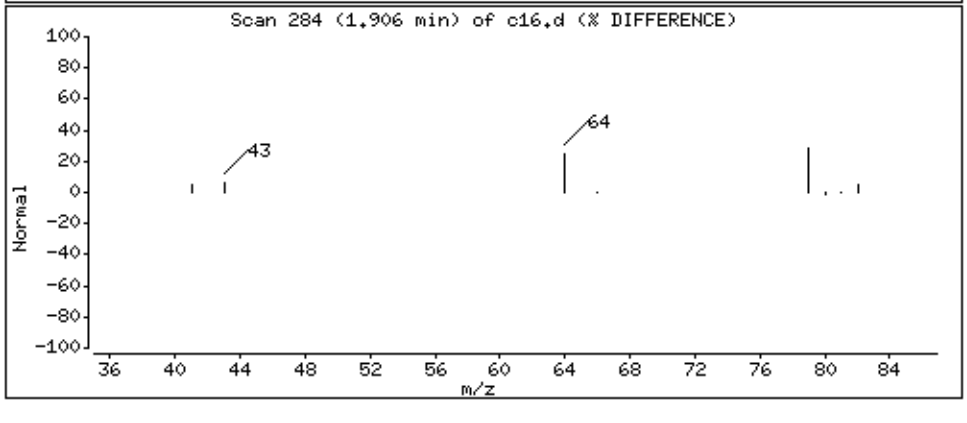












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c16.d

Date : 03-JUL-2014 09:56

Client ID: TMW-10 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765003

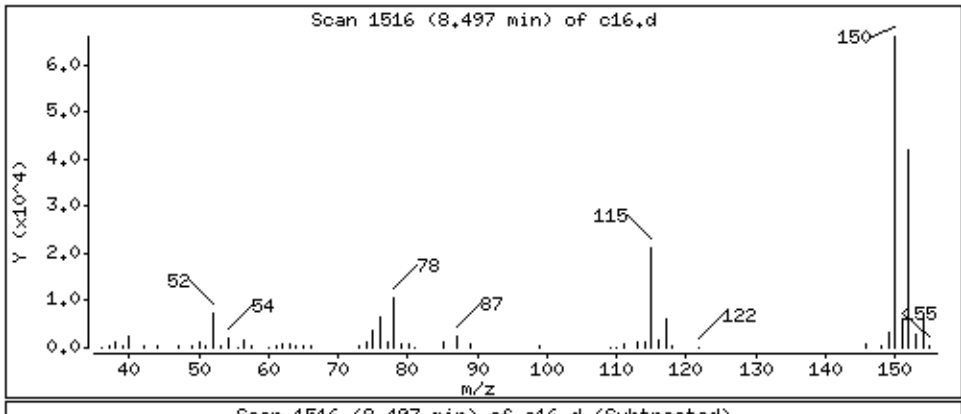
Operator: ala

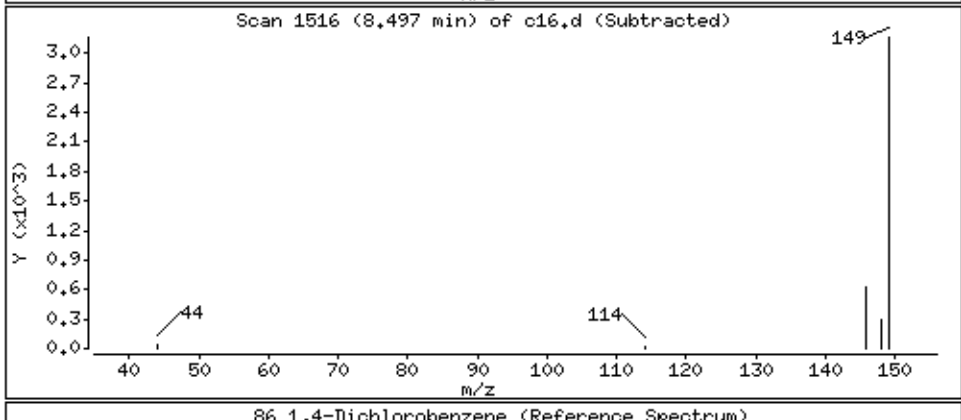
Column phase: DB-624

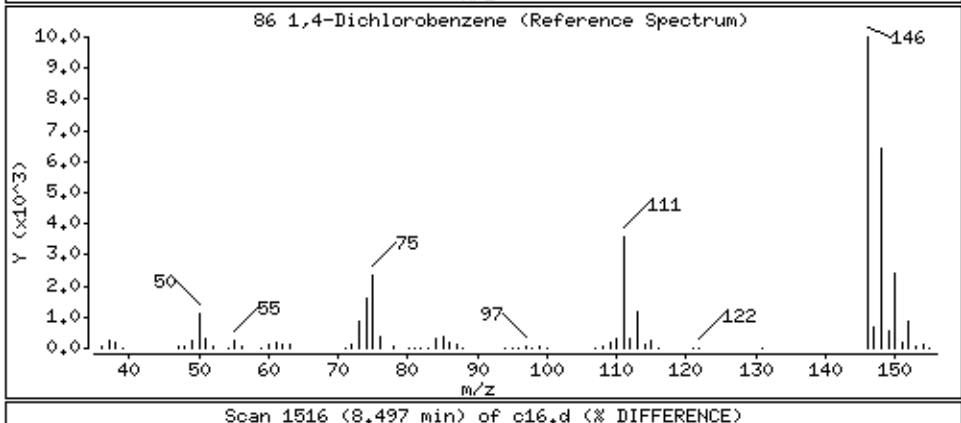
Column diameter: 0.18

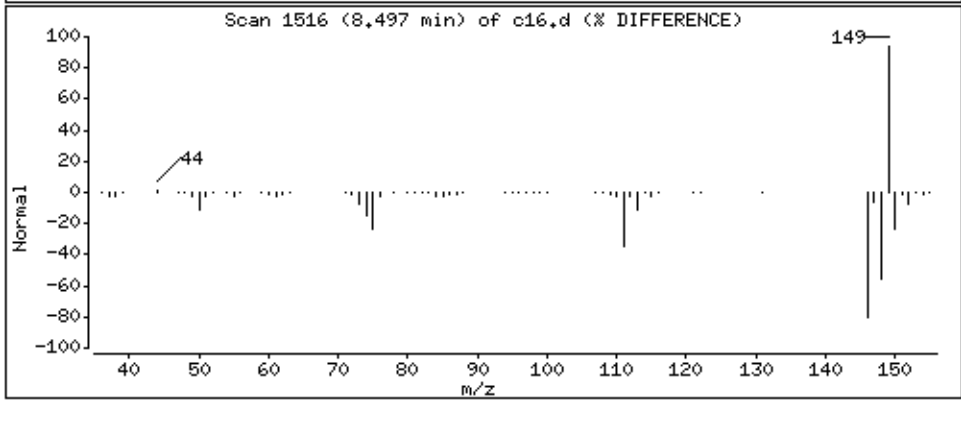
86 1,4-Dichlorobenzene

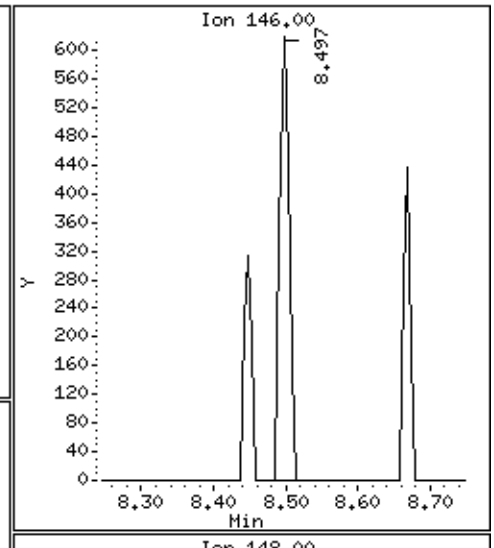
Concentration: 0.0570 ppb

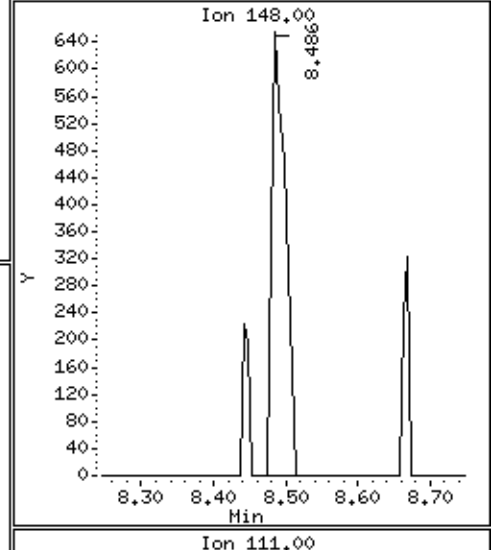


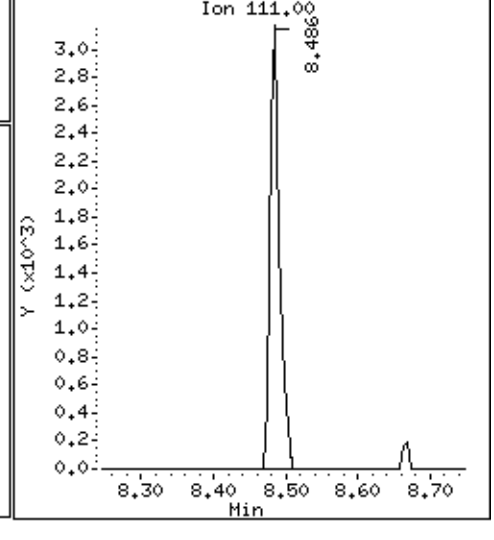












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Injection Date: 03-JUL-2014 09:56
Instrument: 50mv6b.i
Lab Sample ID: 5099765003
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-10 (10-12)

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 22:50 Lab Sample ID: 5099765004

Date Analyzed: 07/03/2014 22:50 Lab File ID: B070314CAL.B\A13.D

Initial wt/vol: 5.792 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 6.3%

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

SAMPLE NO.

TMW-10 (10-12)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 22:50 Lab Sample ID: 5099765004

Date Analyzed: 07/03/2014 22:50 Lab File ID: B070314CAL.B\A13.D

Initial wt/vol: 5.792 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 6.3%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d
Lab Smp Id: 5099765004 Client Smp ID: TMW-10 (10-12)
Inj Date : 03-JUL-2014 22:50
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765004
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	6.253	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.847	1.841	(0.454)	33121	3.16942	3.38
	19 Acrylonitrile	53	1.981	1.980	(0.487)	1197	1.05865	1.13
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	141554	54.5429	58.2
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	501125	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	446127	46.8865	50.0
	52 Toluene	91	5.929	5.928	(0.831)	4401	0.30144	0.322
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	403757	50.0000	
	64 Ethylbenzene	106	7.229	7.228	(1.013)	925	0.18082	0.193(Q)
	65 m&p-Xylene	106	7.320	7.325	(1.026)	2192	0.33691	0.359
	68 Styrene	104	7.576	7.576	(1.062)	2604	0.26476	0.282
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	172347	53.3815	56.9
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	4237	0.21860	0.233
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	2721	0.22671	0.242
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	4251	3.18380	3.40
	79 4-Chlorotoluene	126	8.127	8.127	(0.958)	658	0.14249	0.152(Q)
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	4786	2.96720	3.16
	82 sec-Butylbenzene	105	8.389	8.389	(0.989)	7788	3.82870	4.08
	83 1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	2045	0.24345	0.260
	84 p-Isopropyltoluene	119	8.464	8.464	(0.997)	5511	3.43685	3.67
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	226114	50.0000	

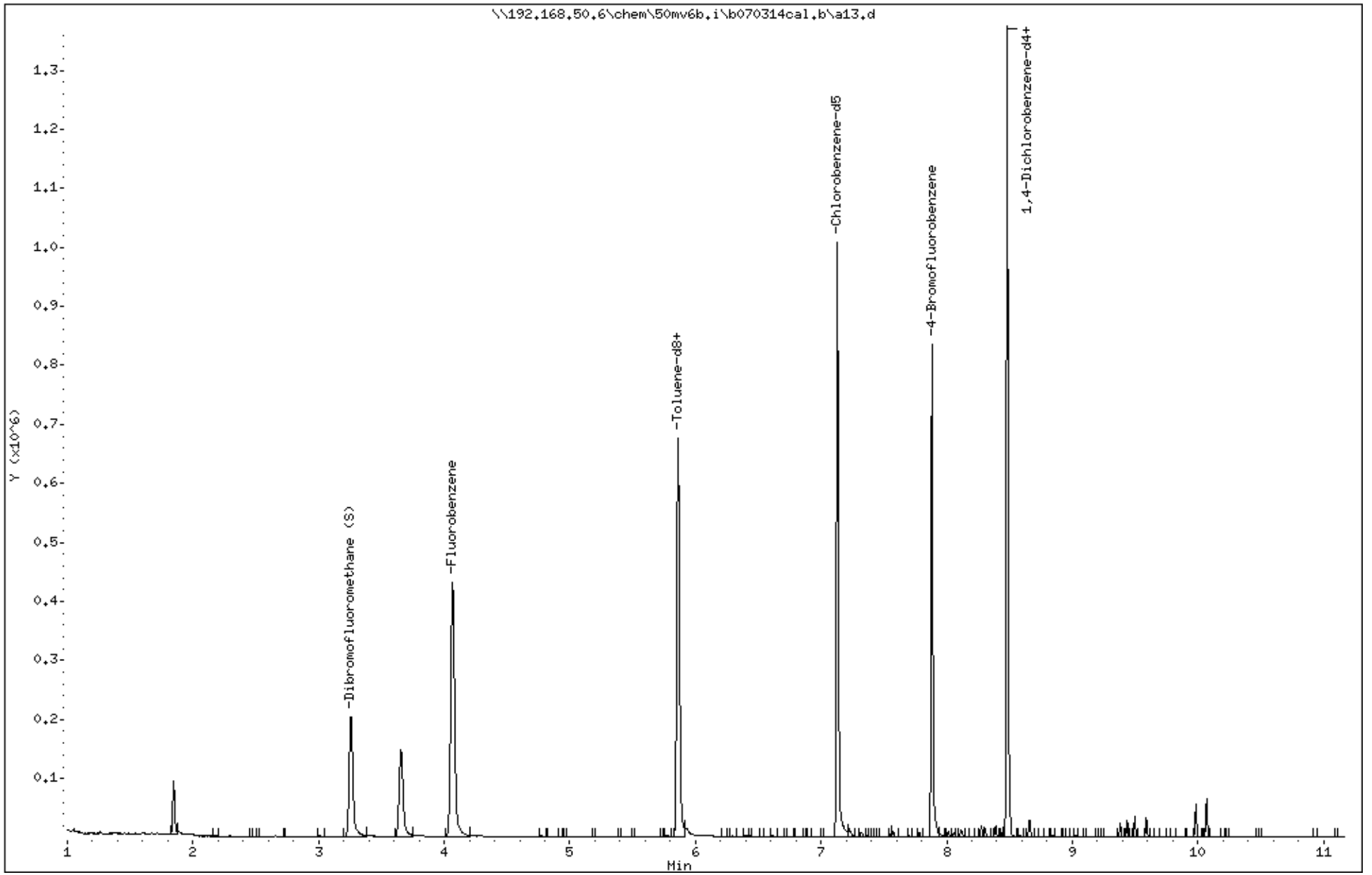
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	2498	0.28082	0.300(Q)
87 n-Butylbenzene	91	8.657	8.662	(1.020)	5307	0.83652	0.892
91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	2526	1.20965	1.29

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d
Date : 03-JUL-2014 22:50
Client ID: TMW-10 (10-12)
Sample Info: 5099765004

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

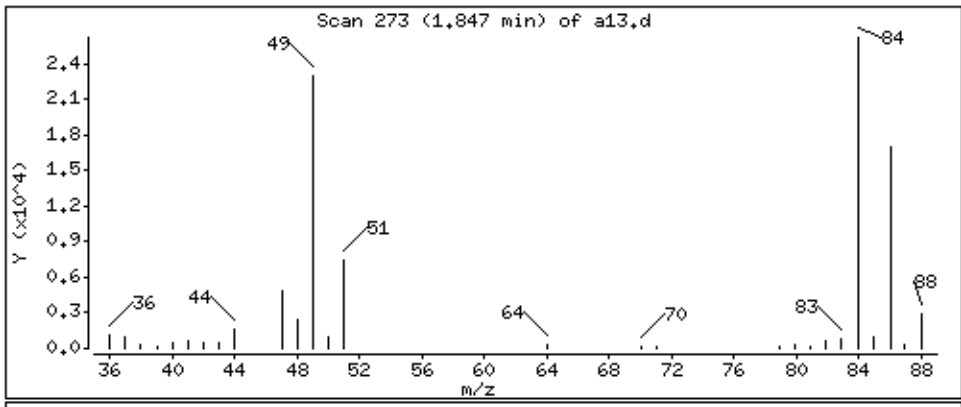
Operator: ala

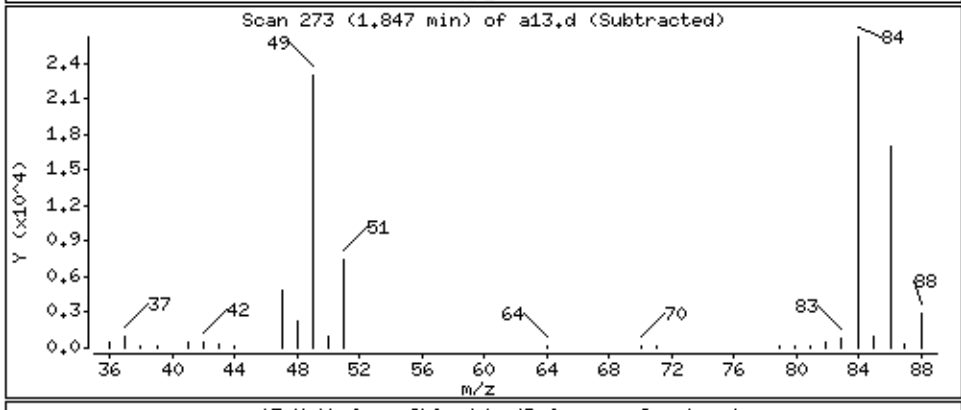
Column phase: DB-624

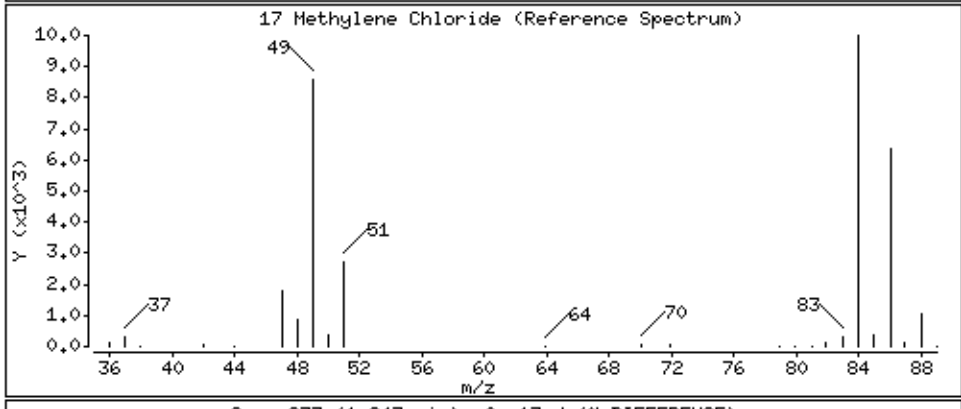
Column diameter: 0.18

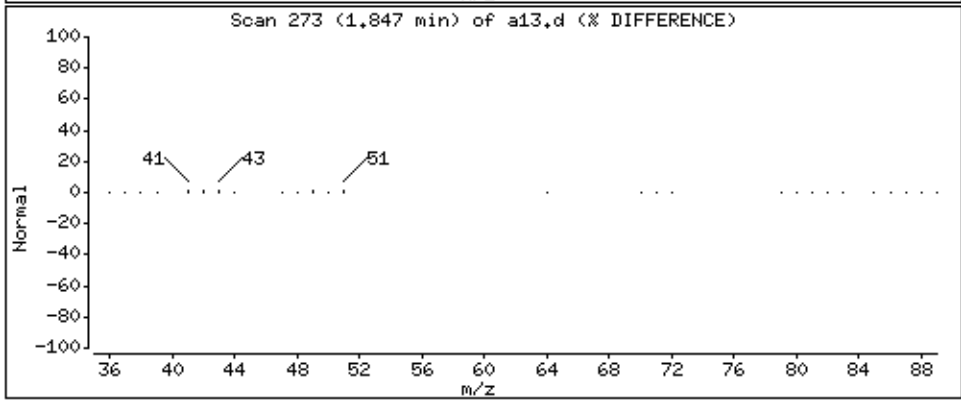
17 Methylene Chloride

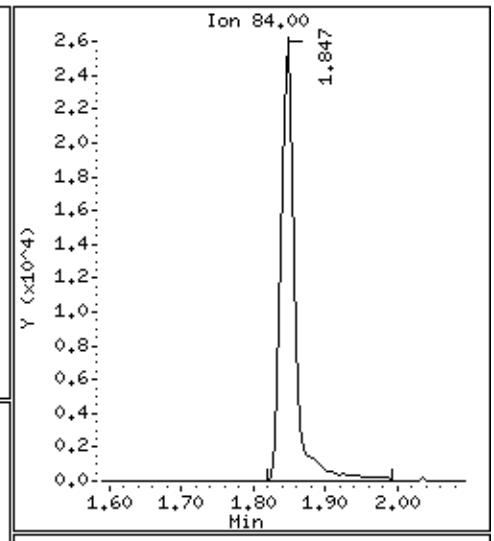
Concentration: 3.38 ppb

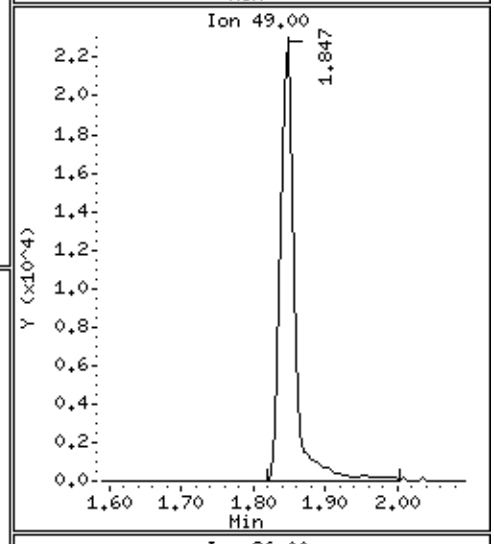


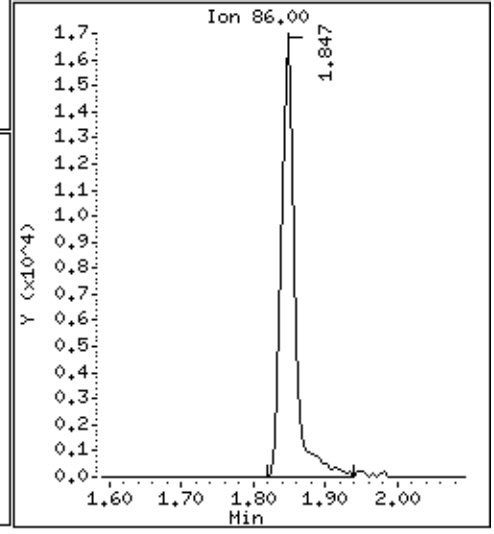












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

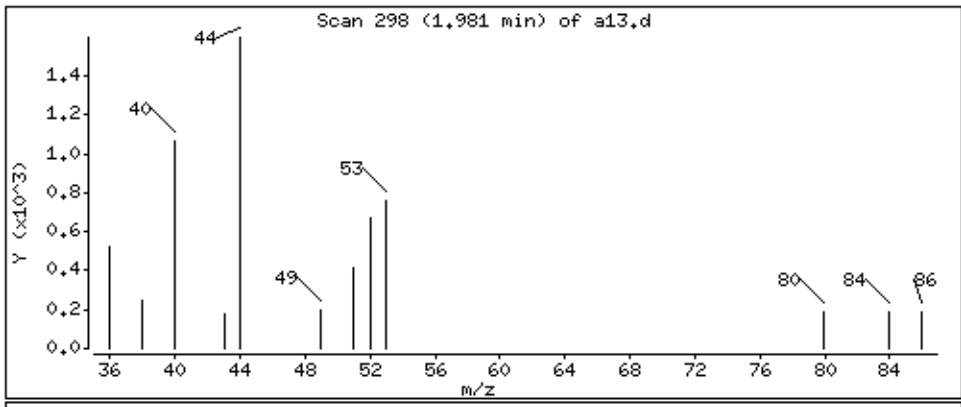
Operator: ala

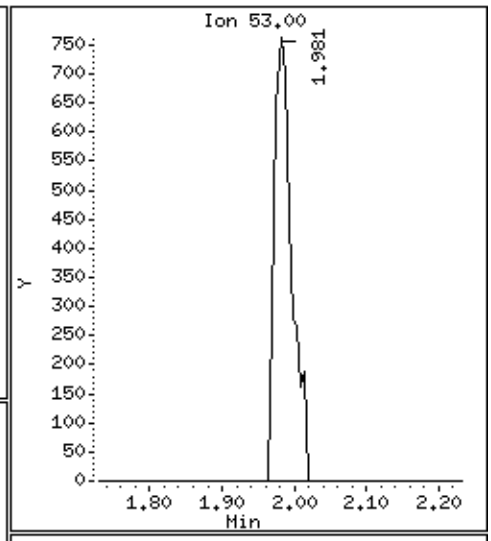
Column phase: DB-624

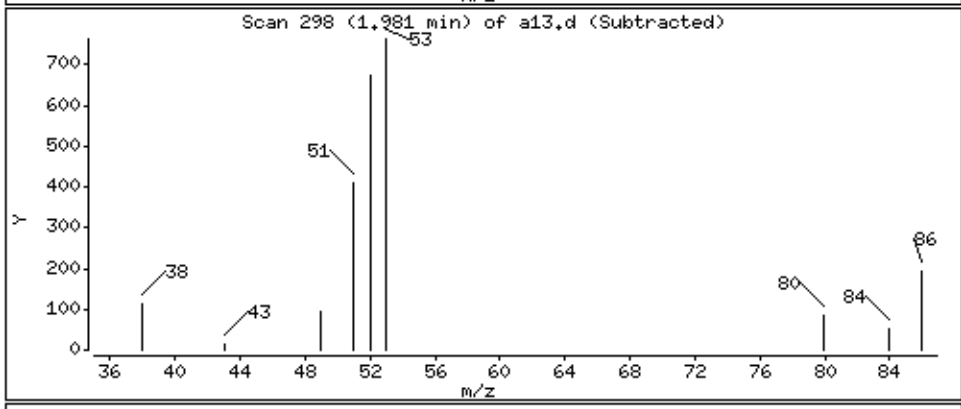
Column diameter: 0.18

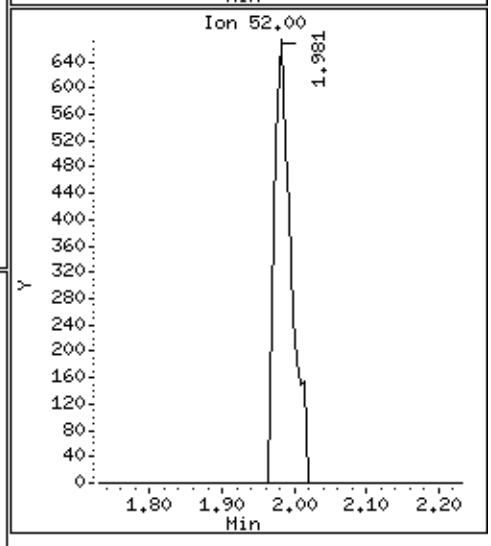
19 Acrylonitrile

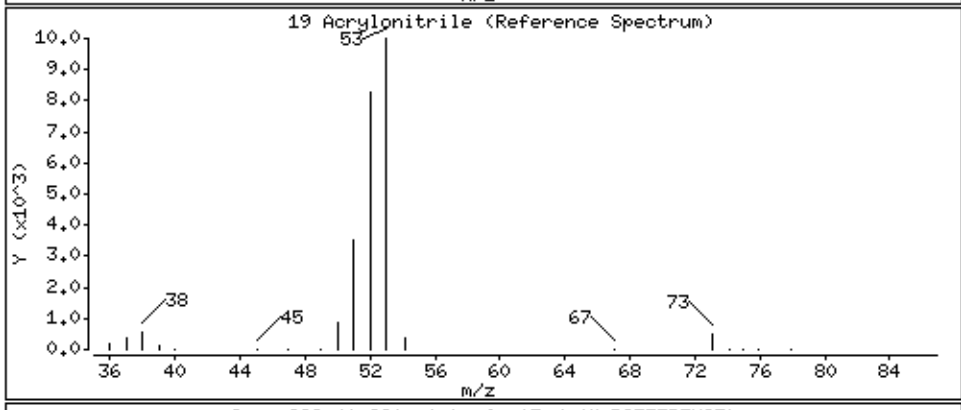
Concentration: 1.13 ppb

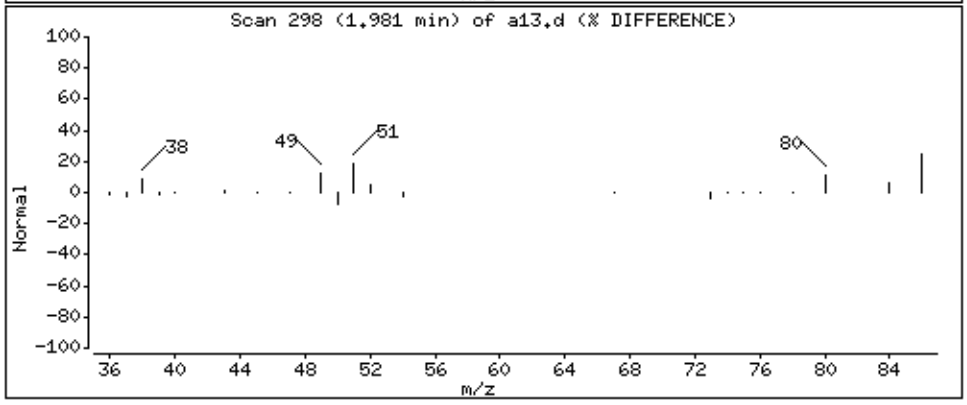












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

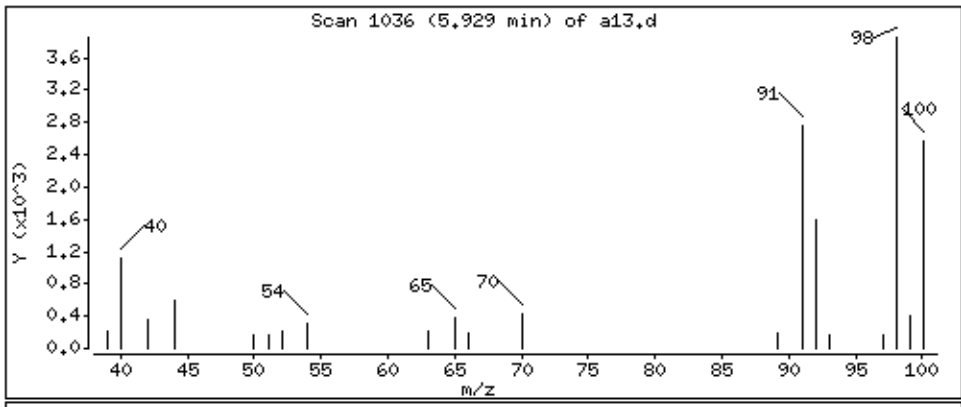
Operator: ala

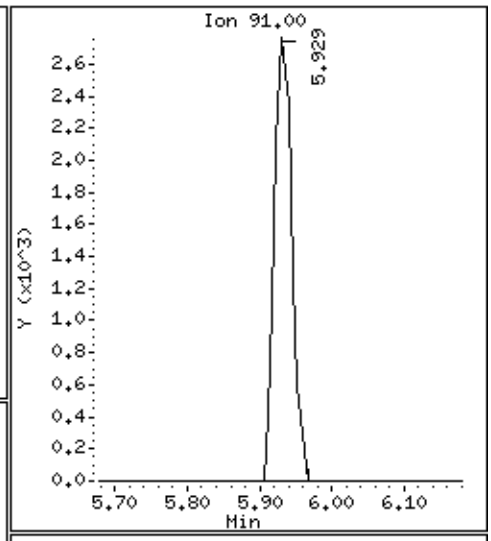
Column phase: DB-624

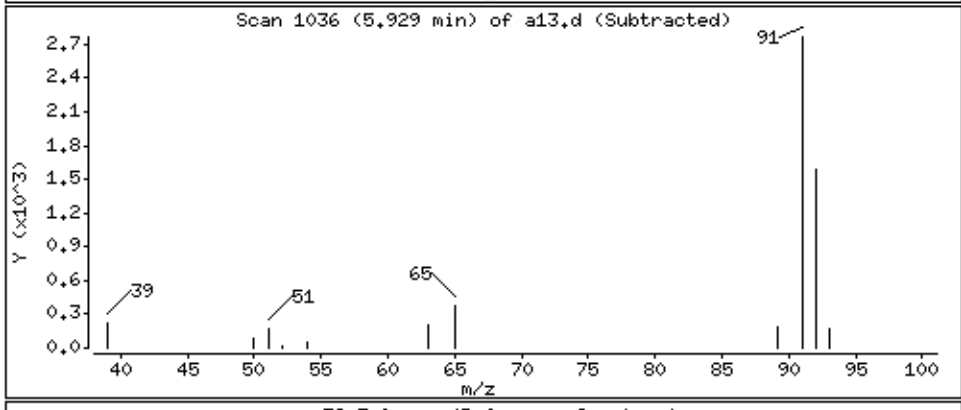
Column diameter: 0.18

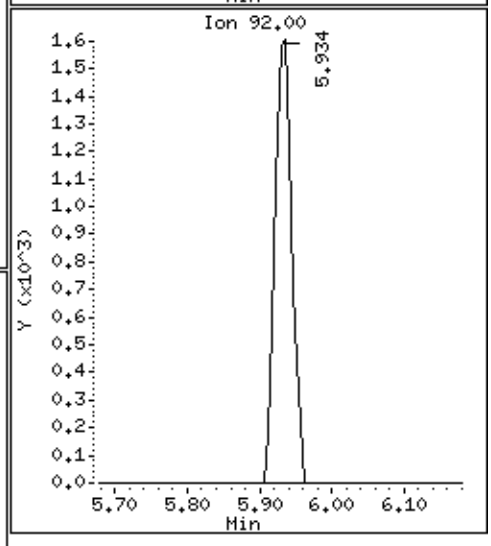
52 Toluene

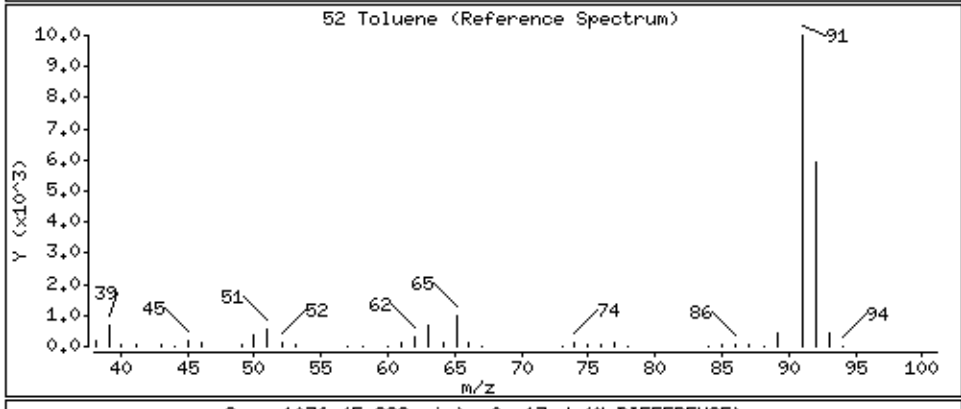
Concentration: 0.322 ppb

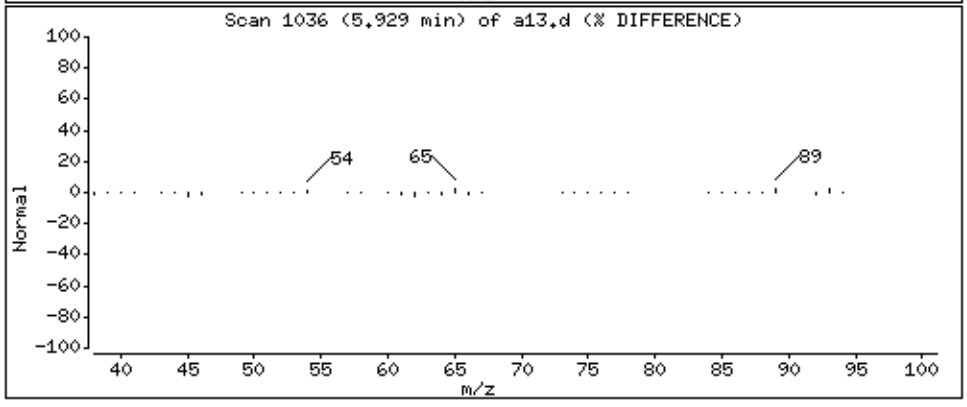












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

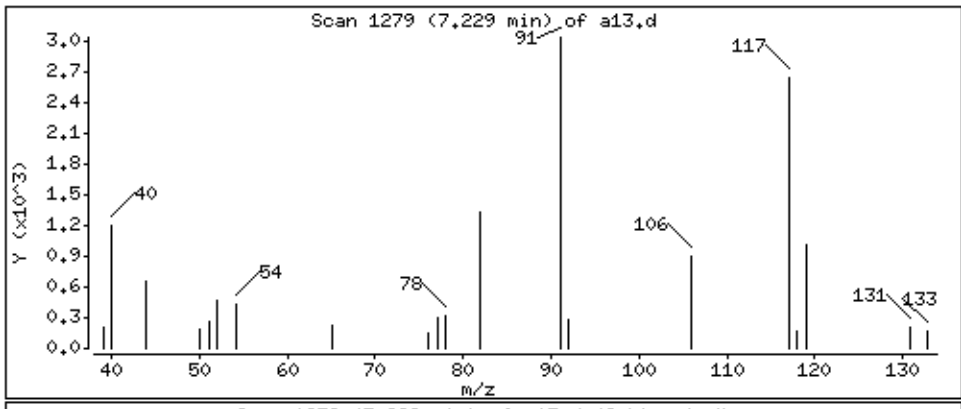
Operator: ala

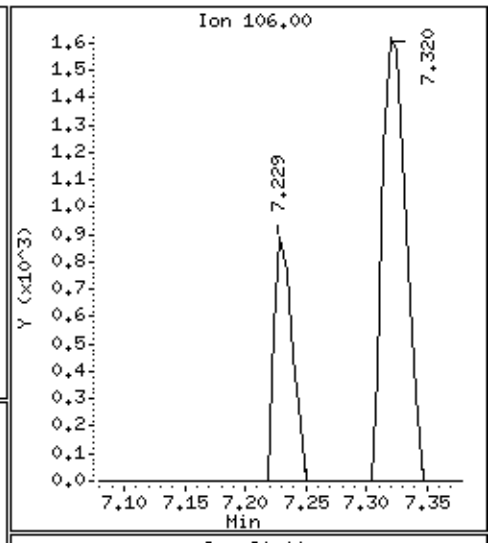
Column phase: DB-624

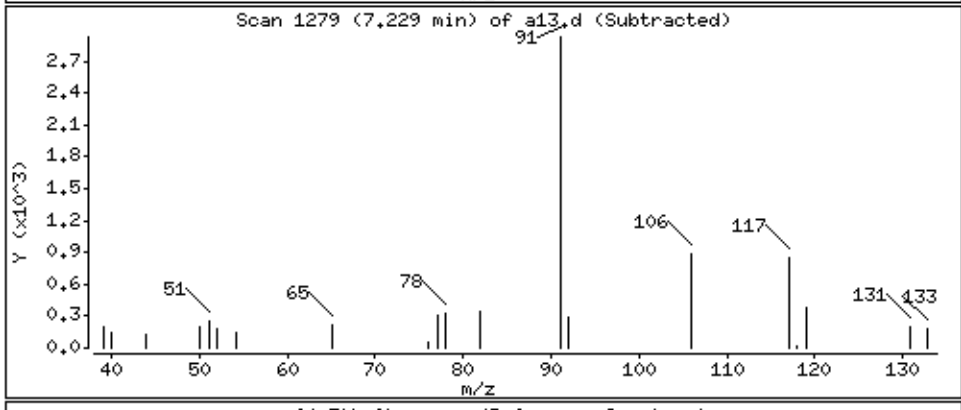
Column diameter: 0.18

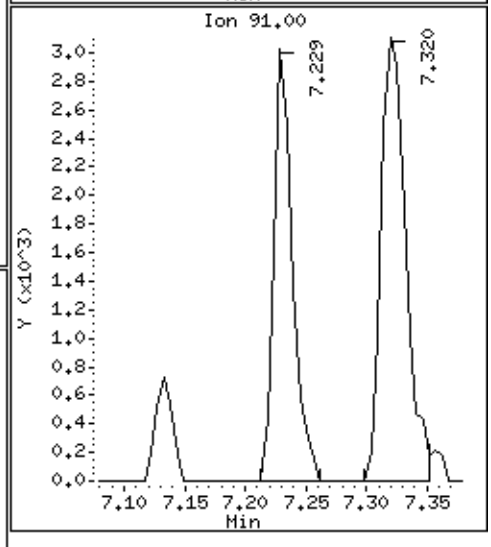
64 Ethylbenzene

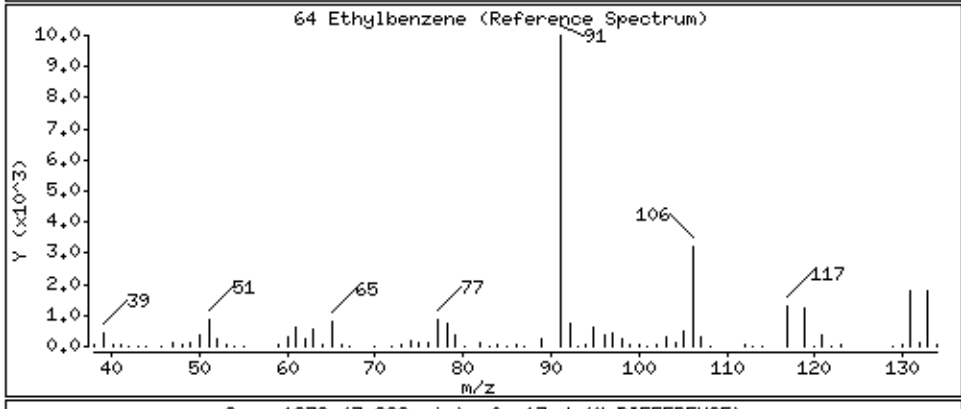
Concentration: 0.193 ppb

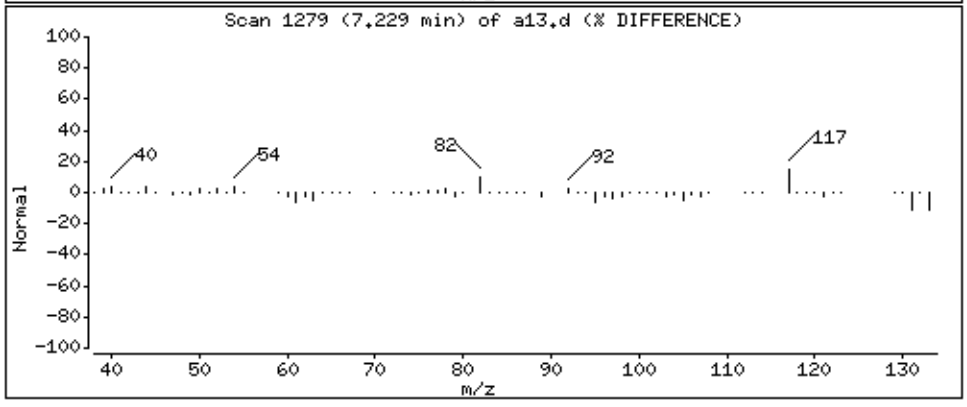












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

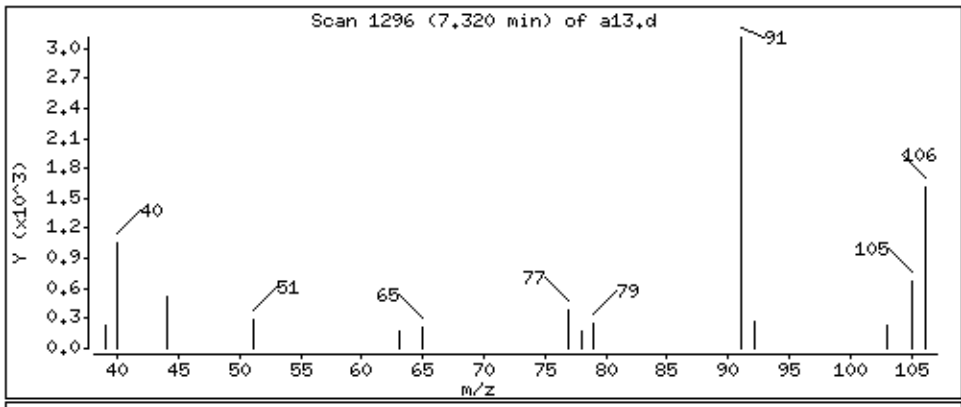
Operator: ala

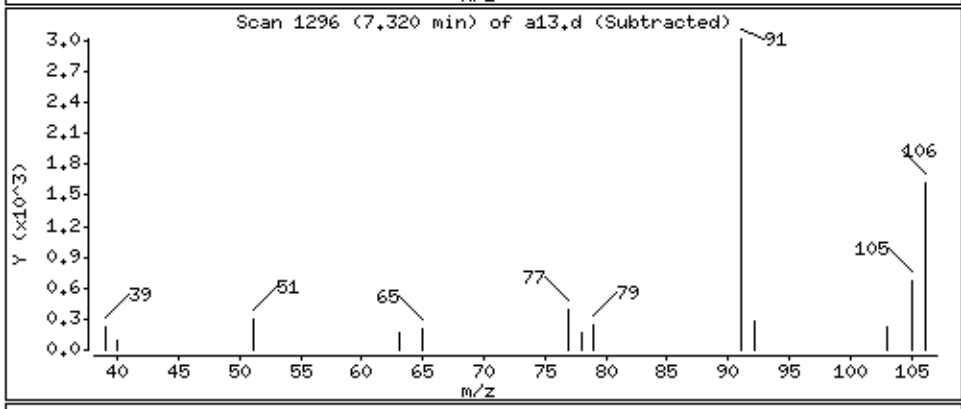
Column phase: DB-624

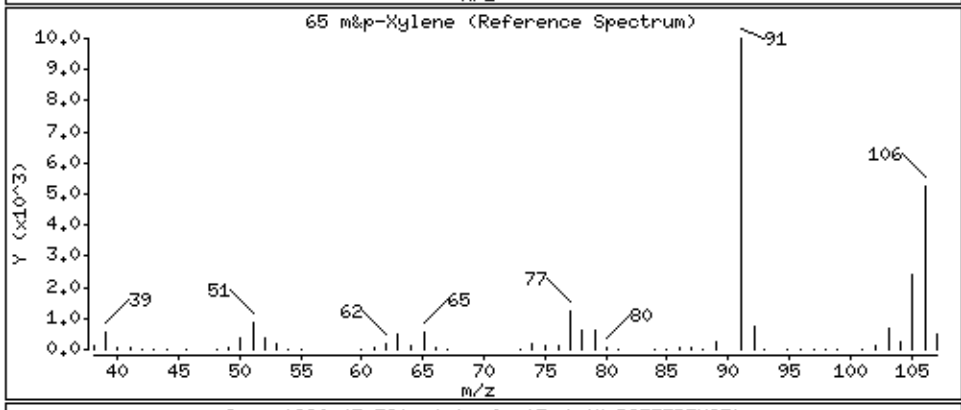
Column diameter: 0.18

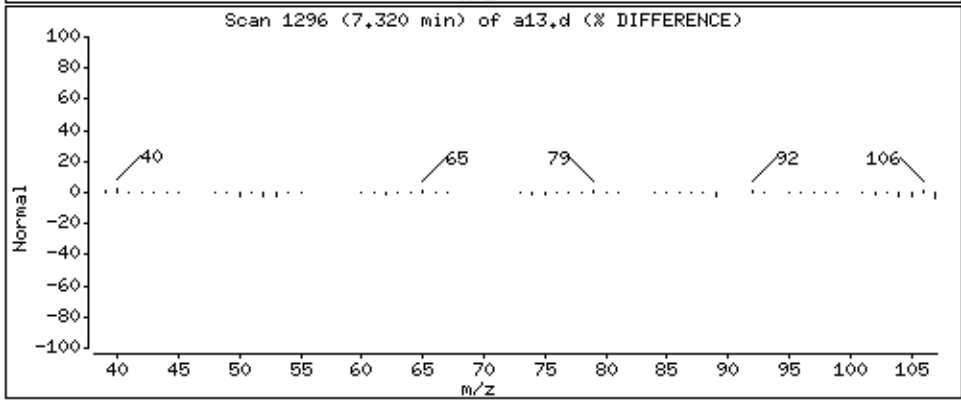
65 m&p-Xylene

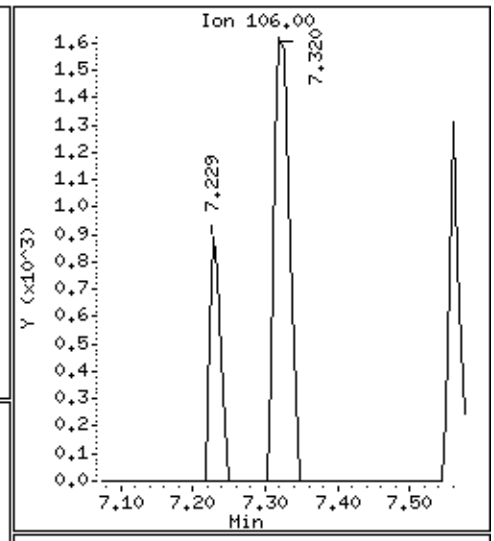
Concentration: 0.359 ppb

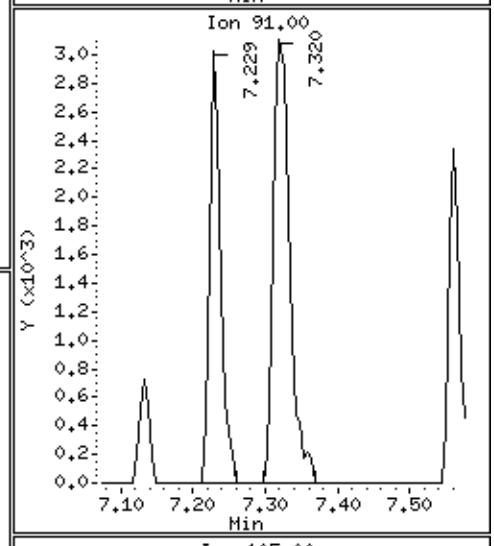


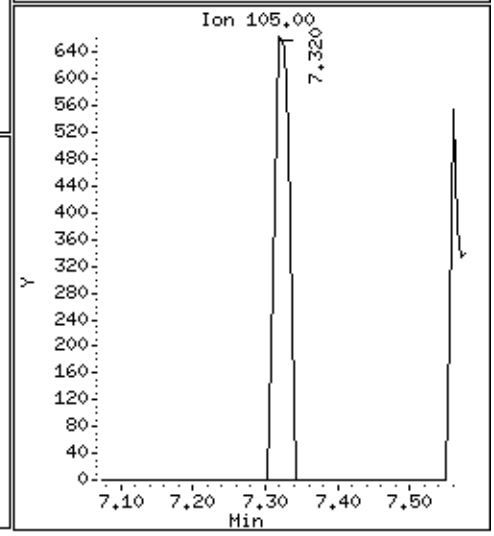












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

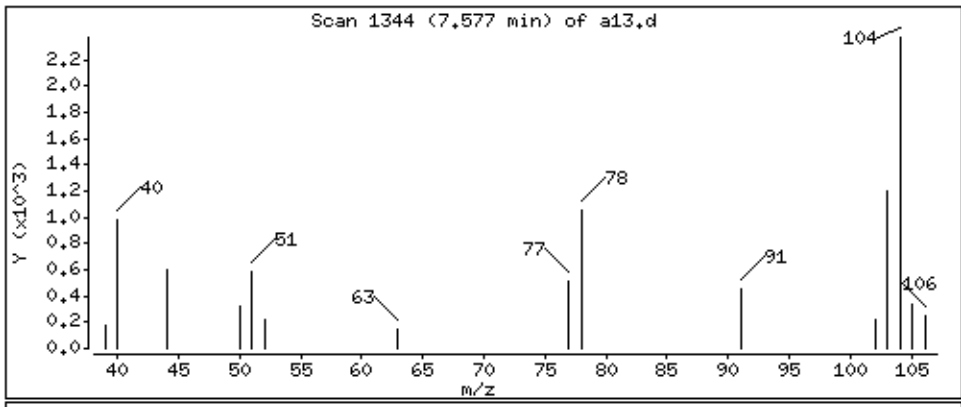
Operator: ala

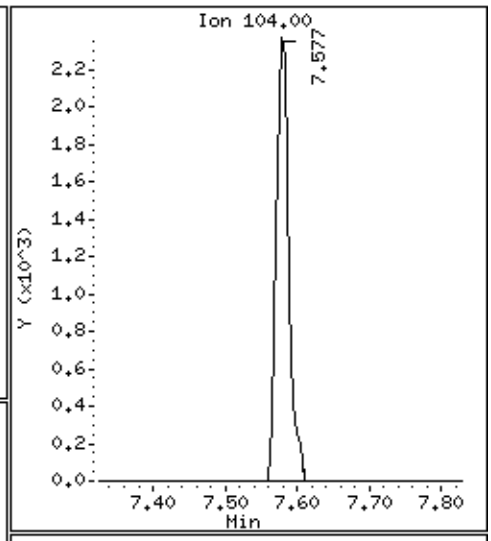
Column phase: DB-624

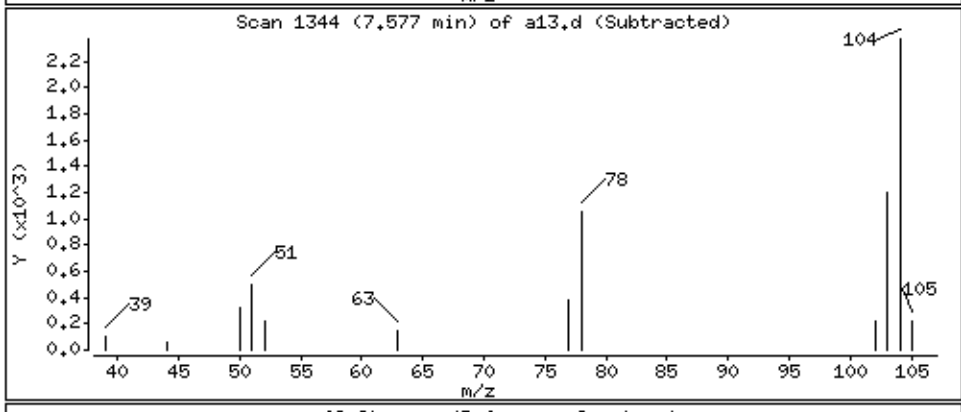
Column diameter: 0.18

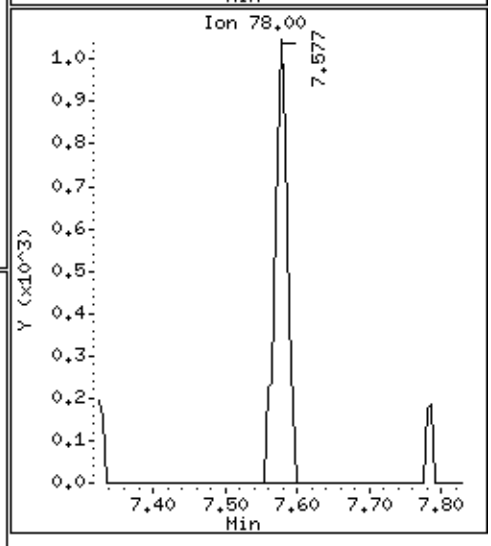
68 Styrene

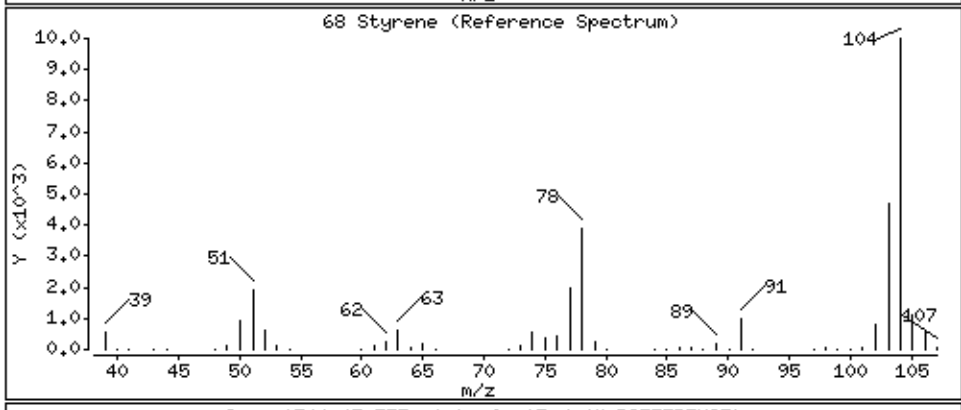
Concentration: 0.282 ppb

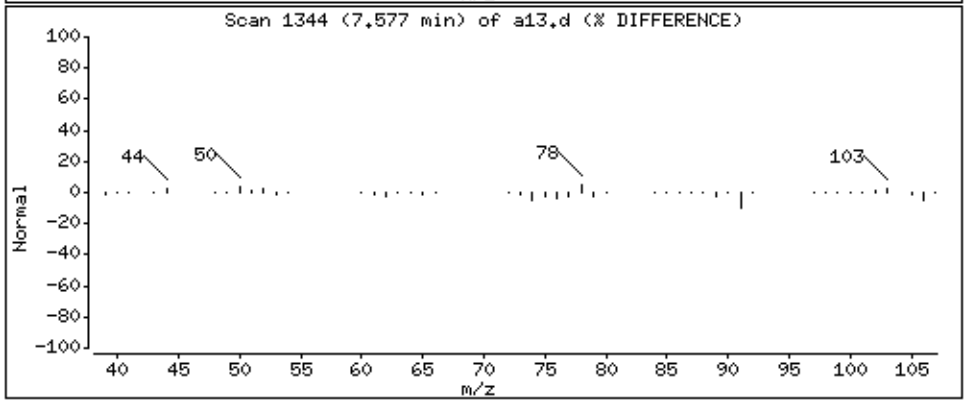












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Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

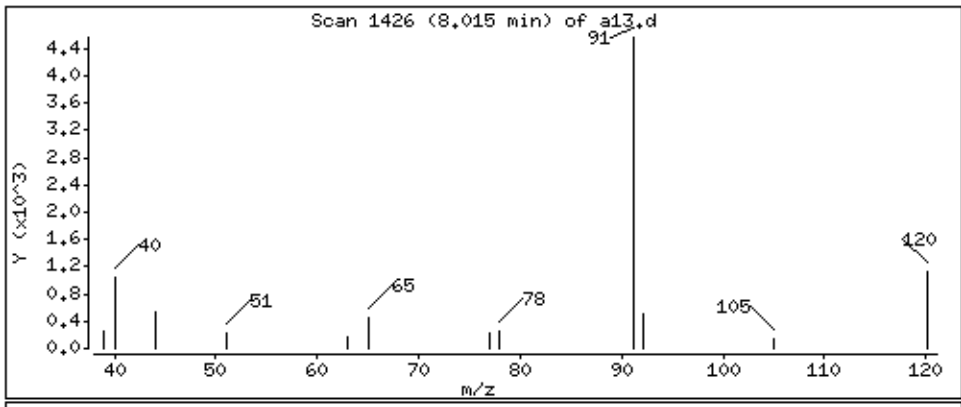
Operator: ala

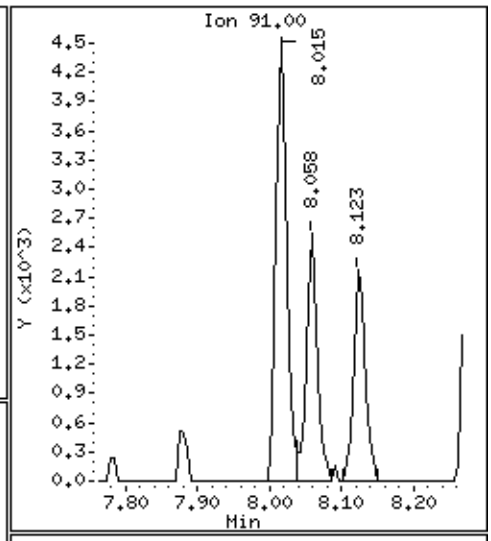
Column phase: DB-624

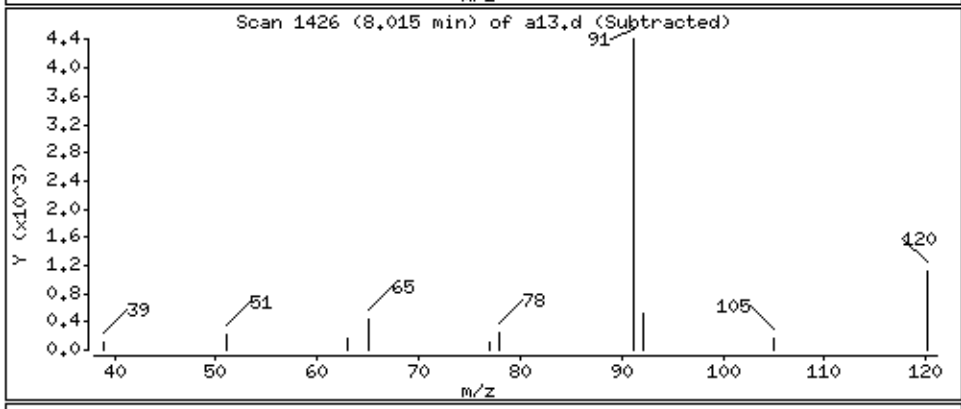
Column diameter: 0.18

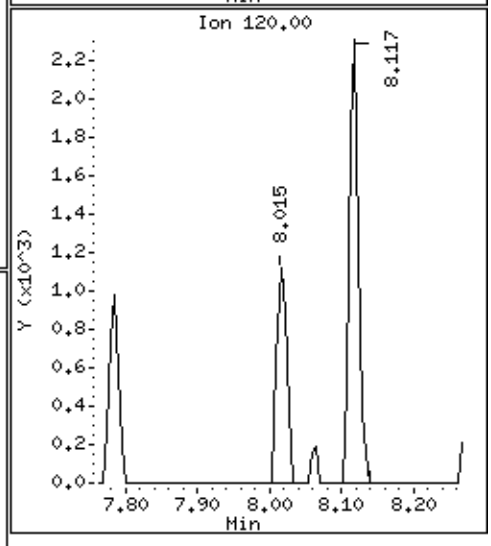
76 n-Propylbenzene

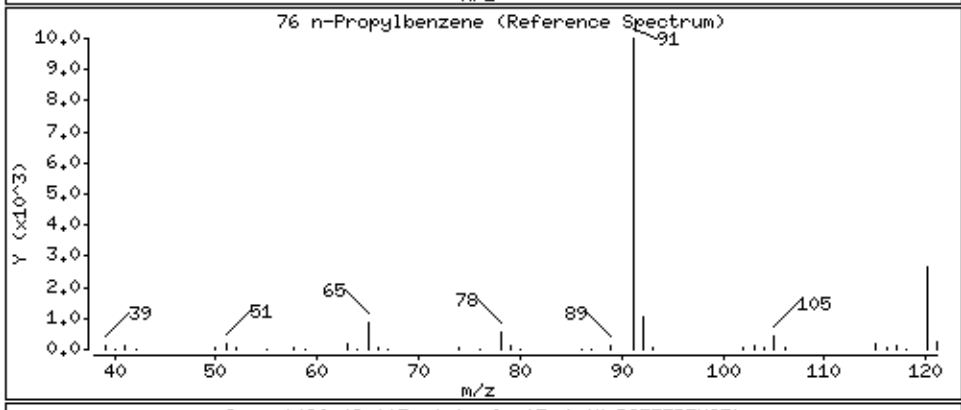
Concentration: 0.233 ppb

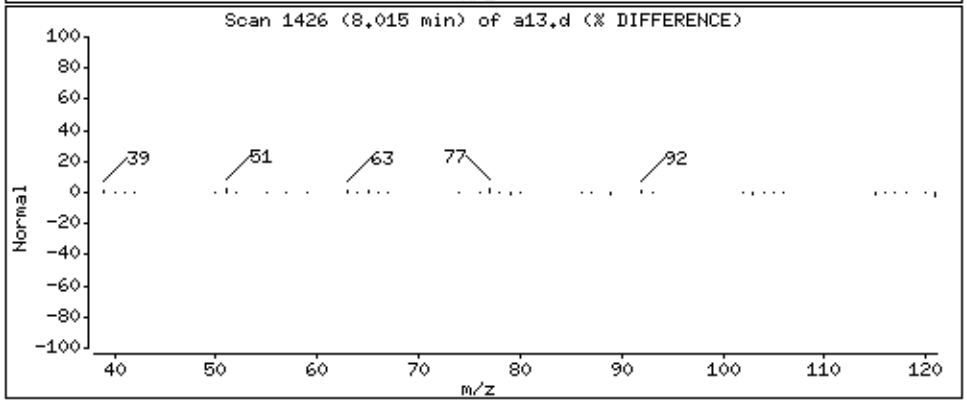












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Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

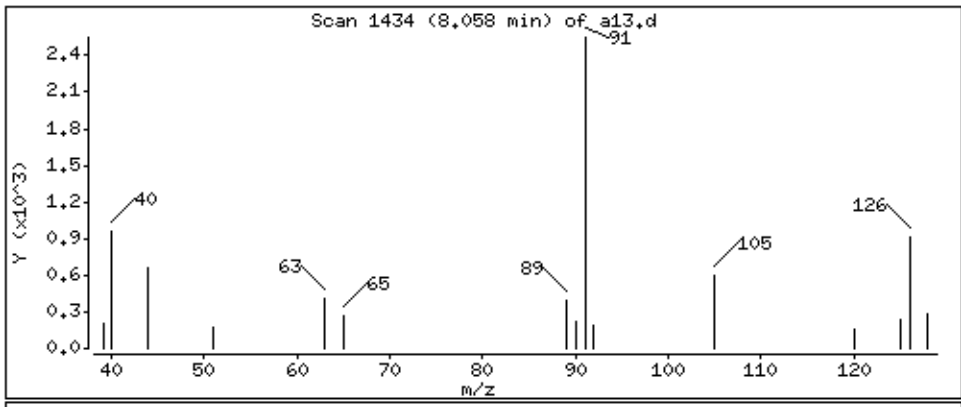
Operator: ala

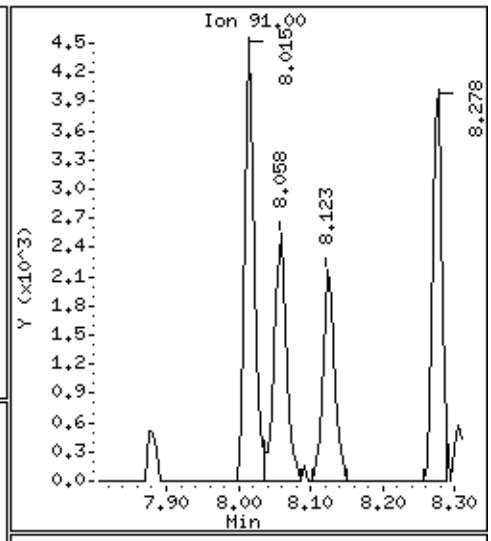
Column phase: DB-624

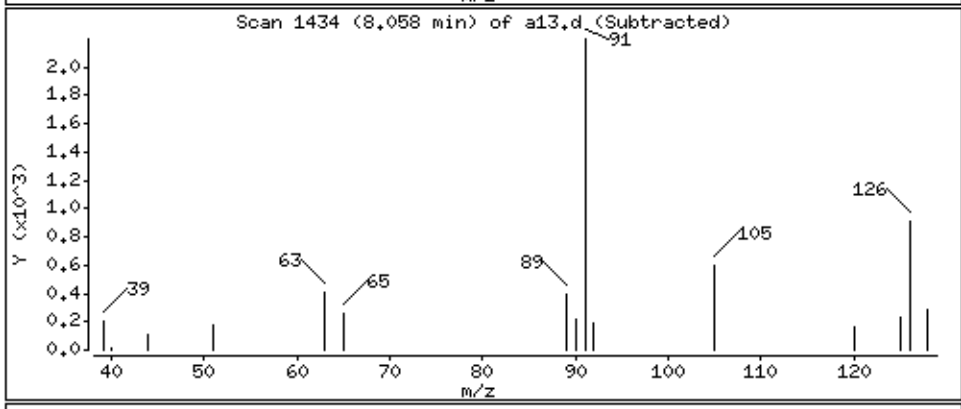
Column diameter: 0.18

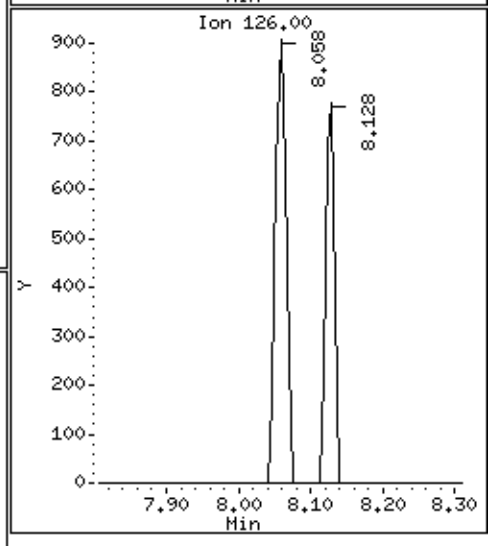
77 2-Chlorotoluene

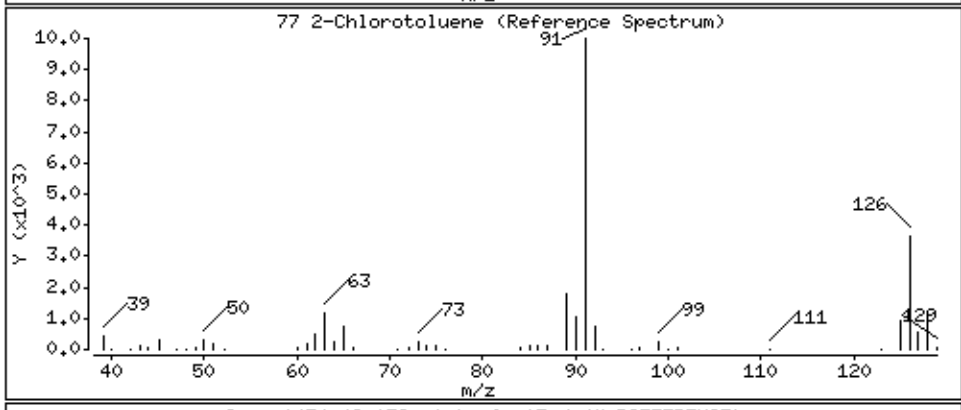
Concentration: 0.242 ppb

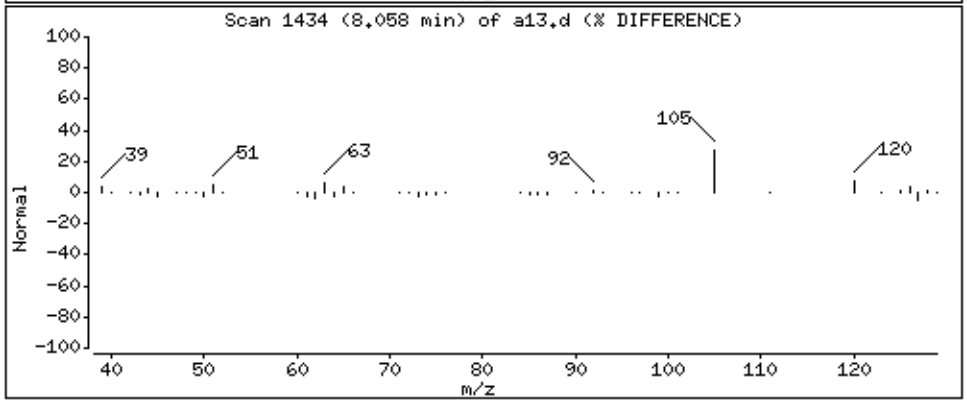












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Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

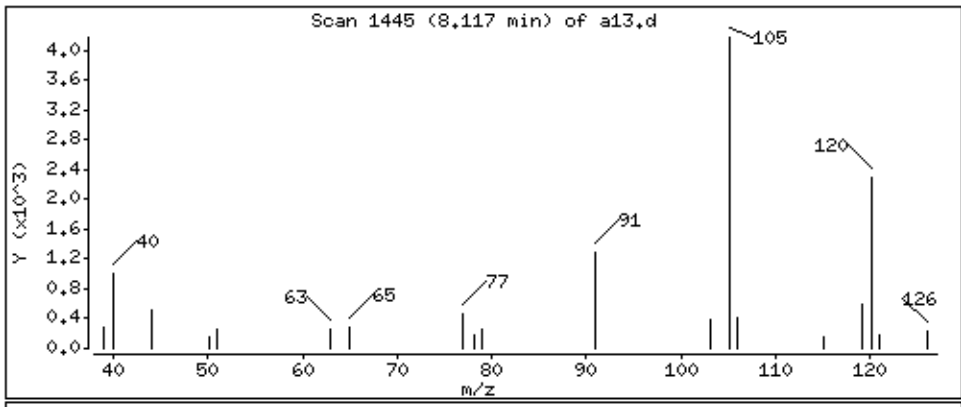
Operator: ala

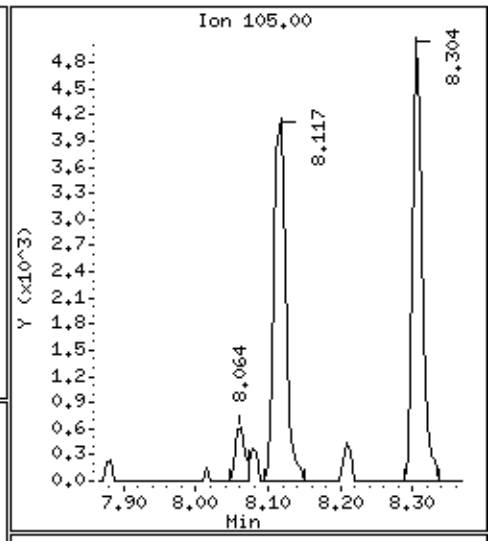
Column phase: DB-624

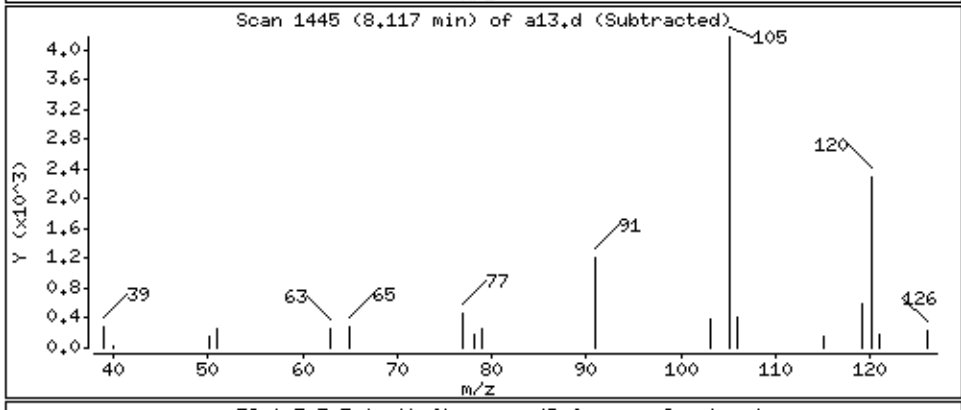
Column diameter: 0.18

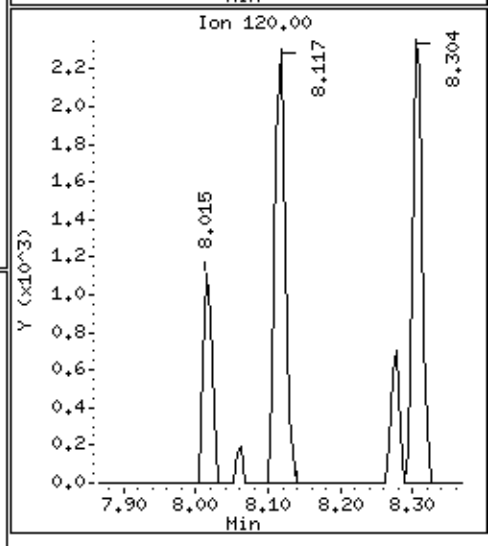
78 1,3,5-Trimethylbenzene

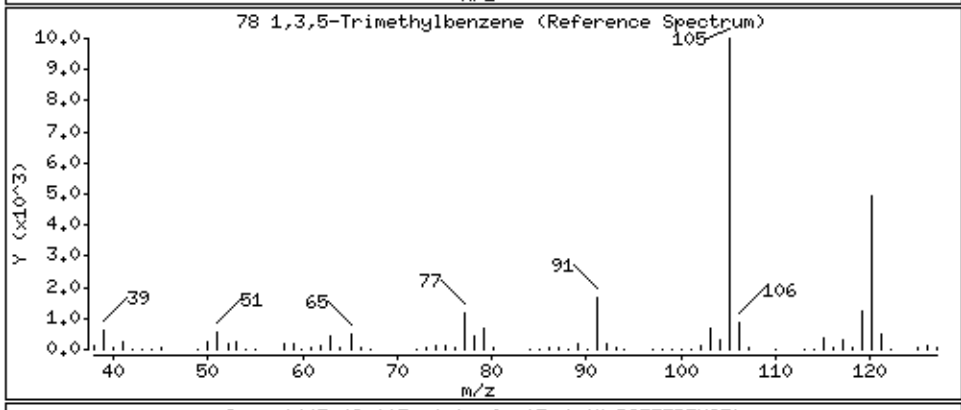
Concentration: 3.40 ppb

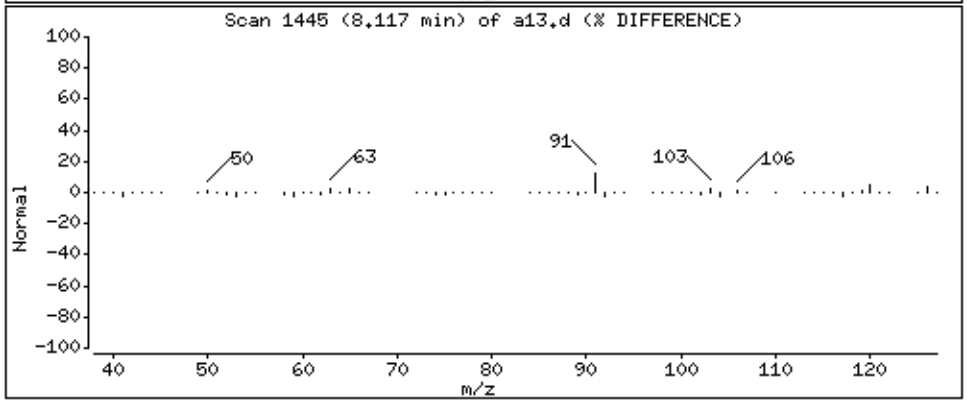












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

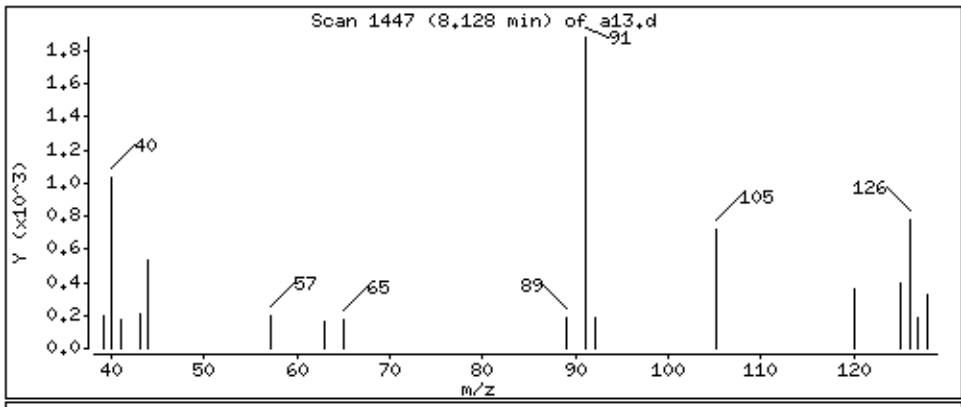
Operator: ala

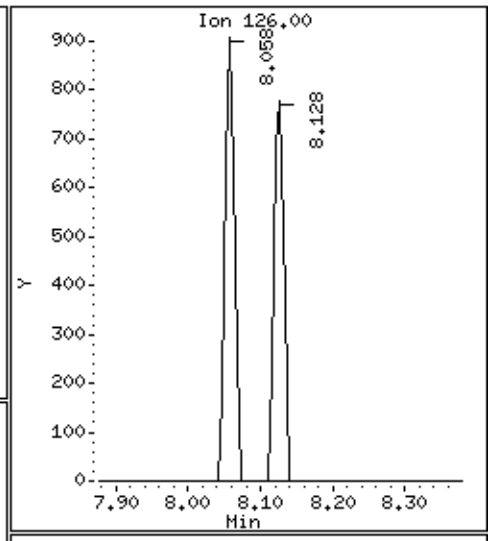
Column phase: DB-624

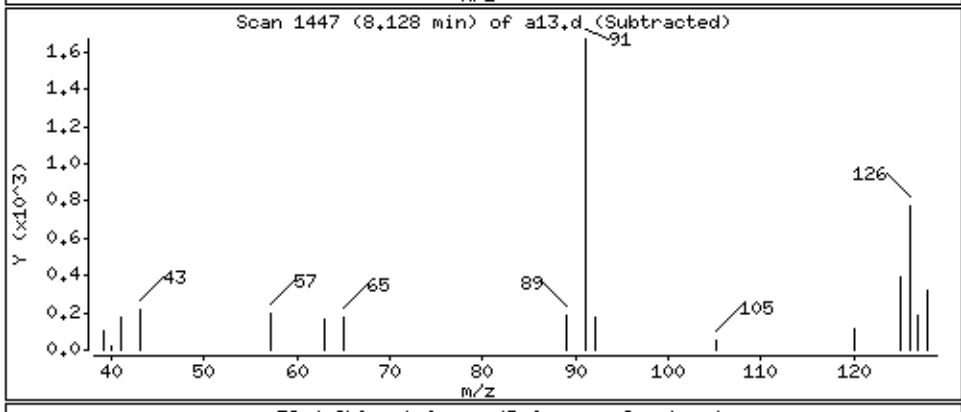
Column diameter: 0.18

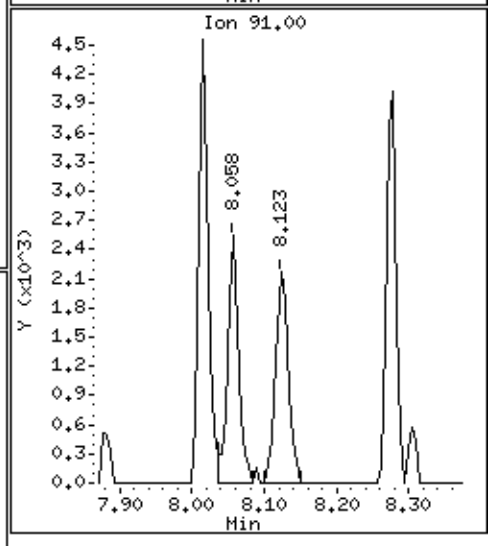
79 4-Chlorotoluene

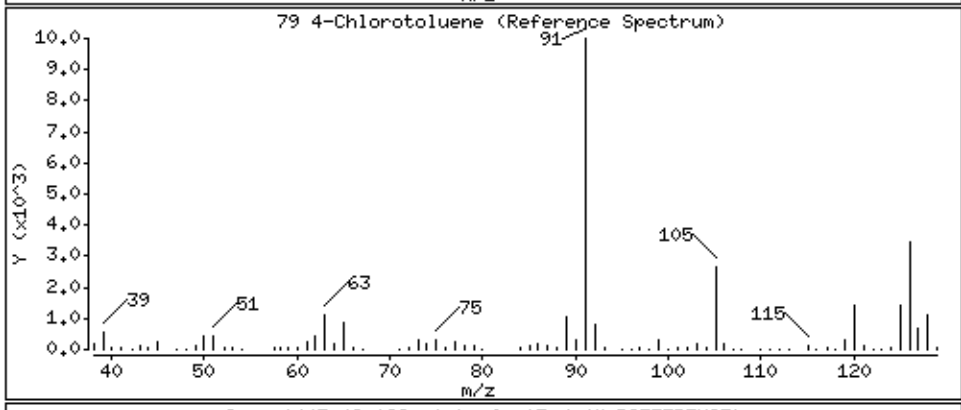
Concentration: 0.152 ppb

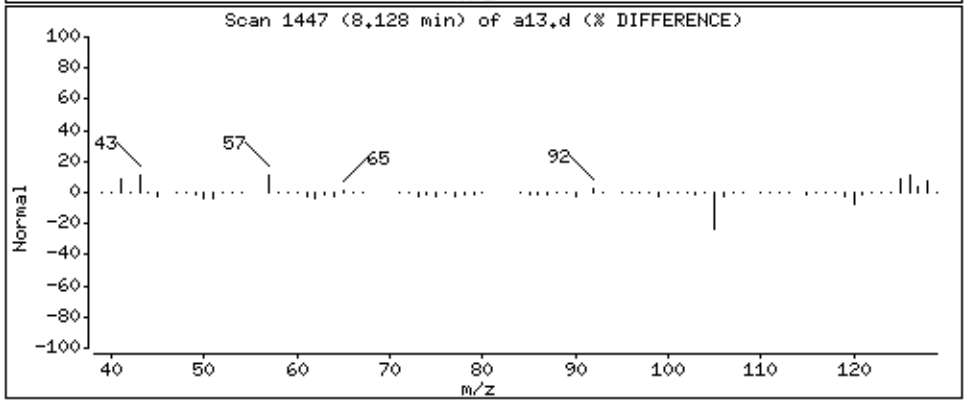












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

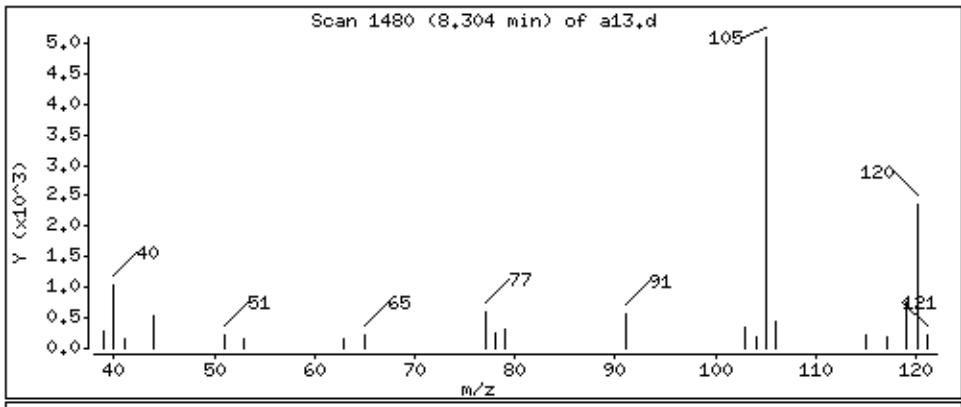
Operator: ala

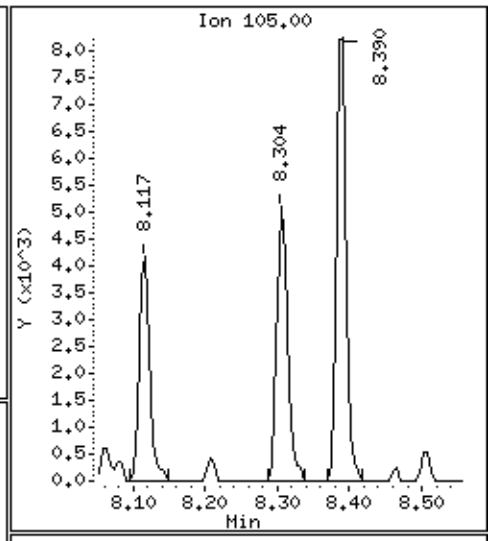
Column phase: DB-624

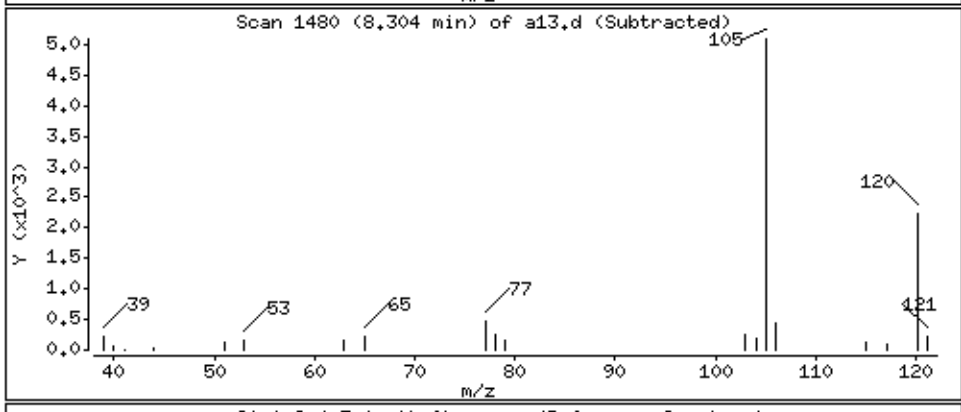
Column diameter: 0.18

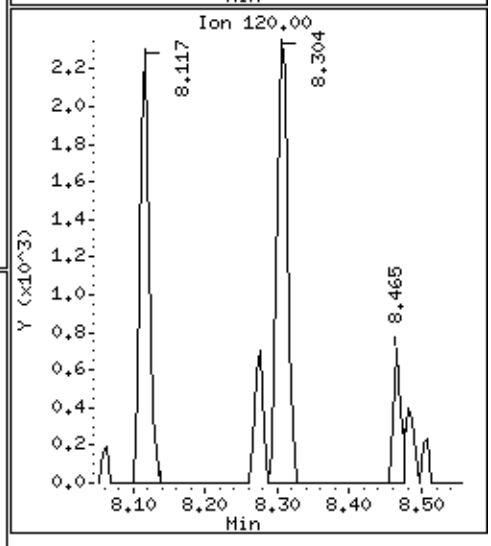
81 1,2,4-Trimethylbenzene

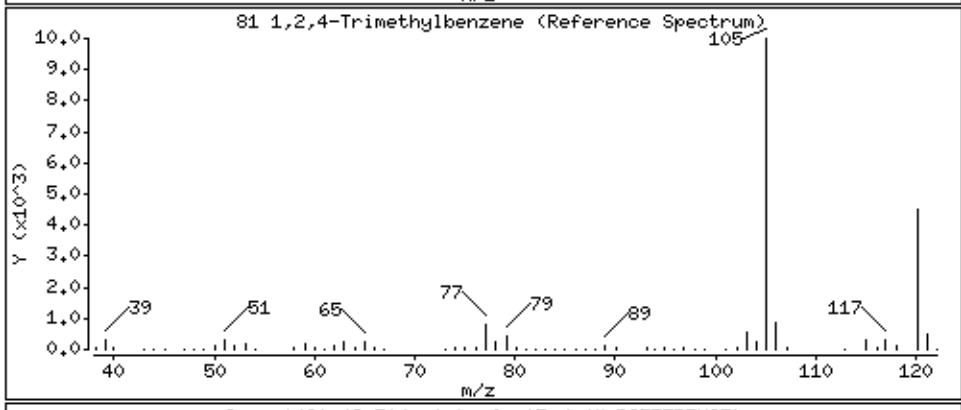
Concentration: 3.16 ppb

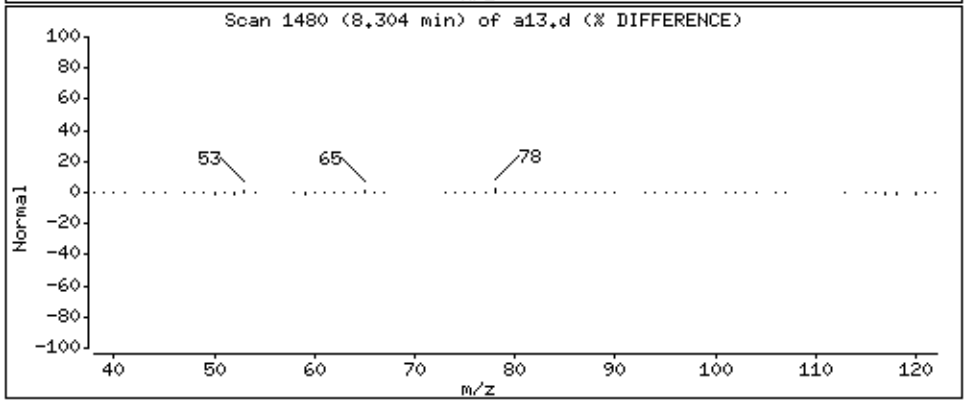












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Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

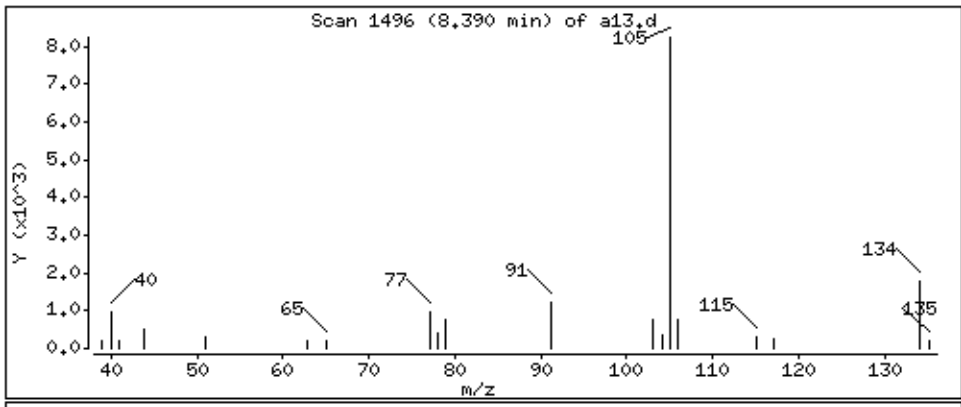
Operator: ala

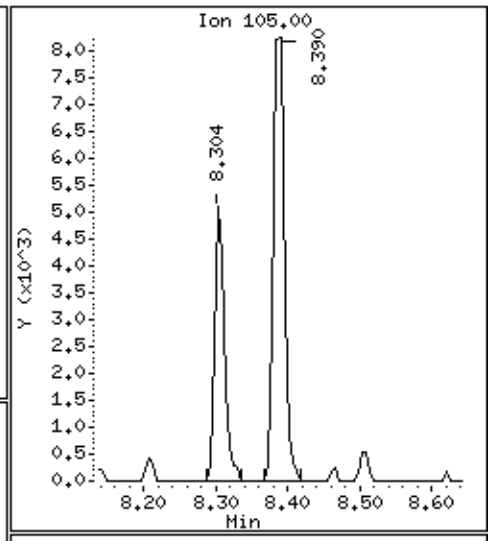
Column phase: DB-624

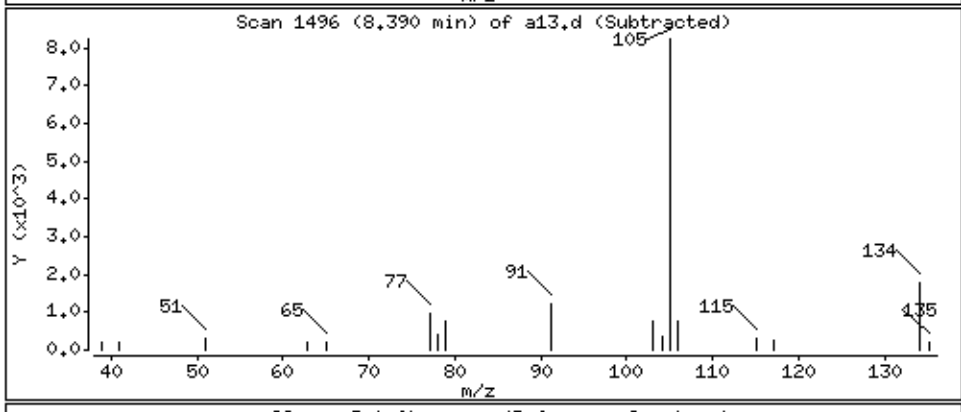
Column diameter: 0.18

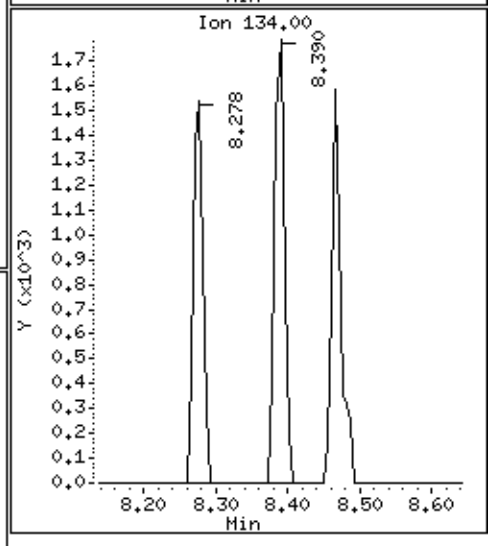
82 sec-Butylbenzene

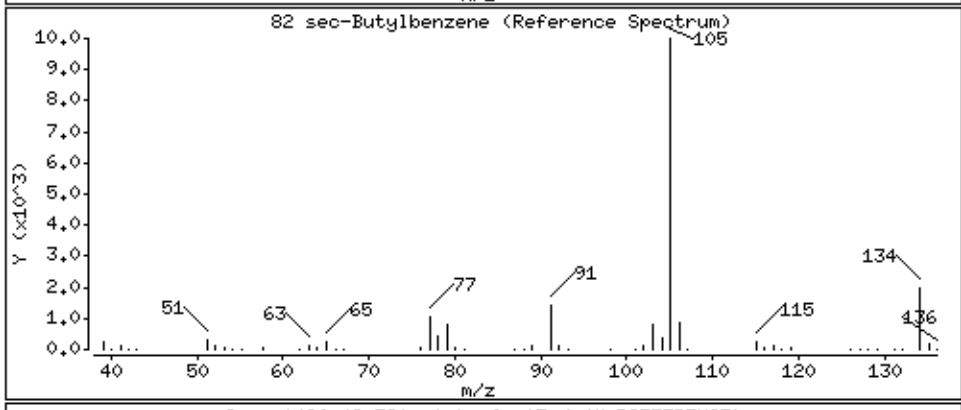
Concentration: 4.08 ppb

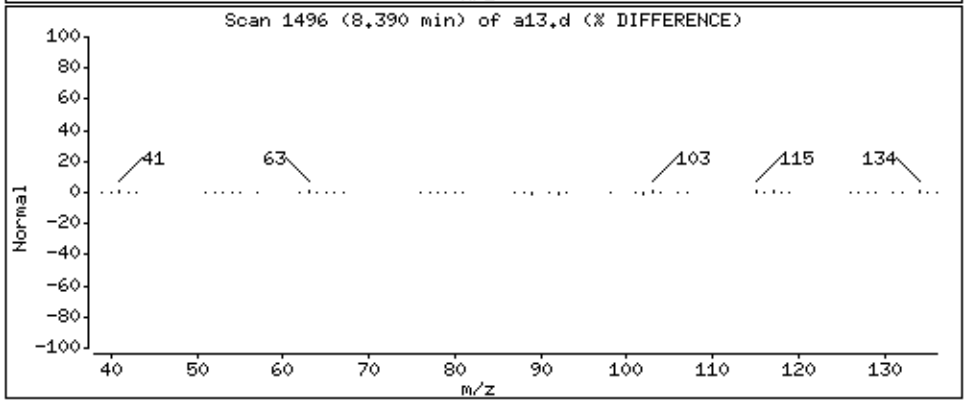












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

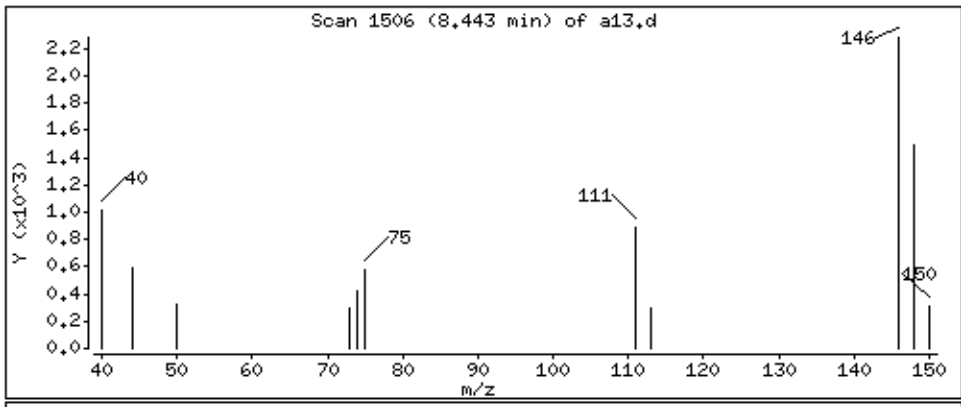
Operator: ala

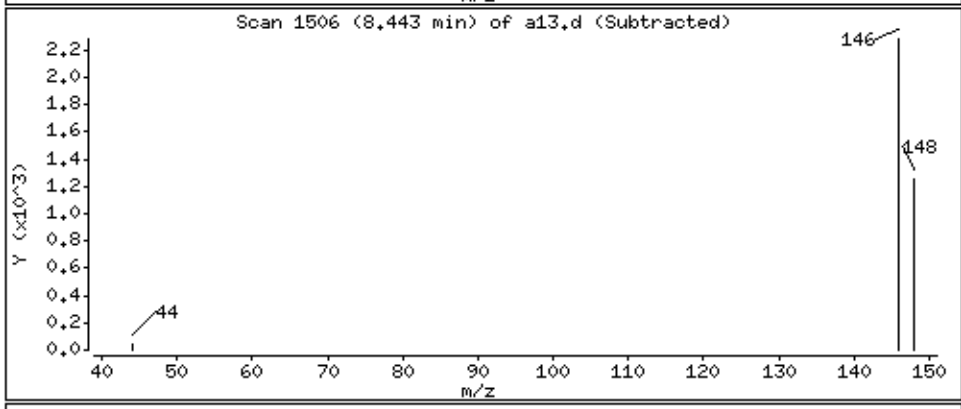
Column phase: DB-624

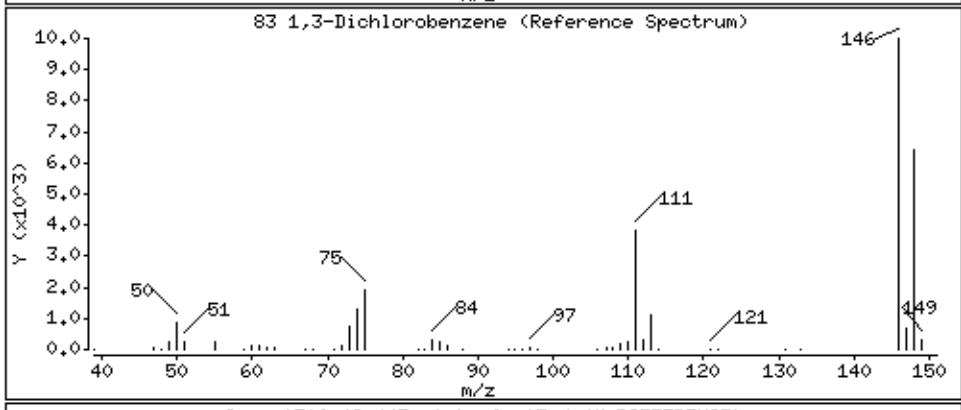
Column diameter: 0.18

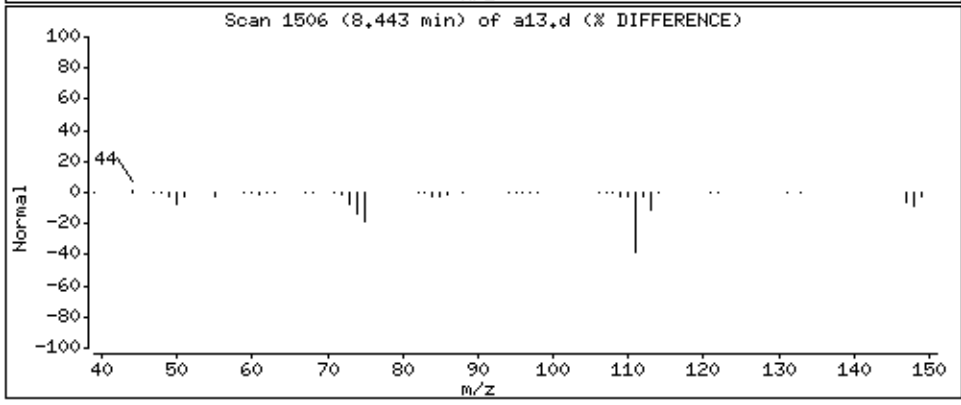
83 1,3-Dichlorobenzene

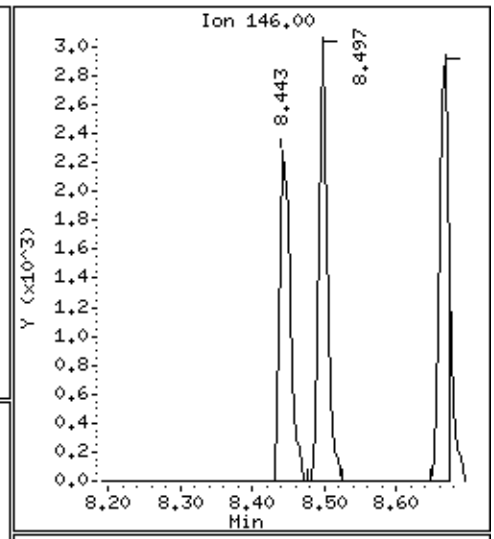
Concentration: 0.260 ppb

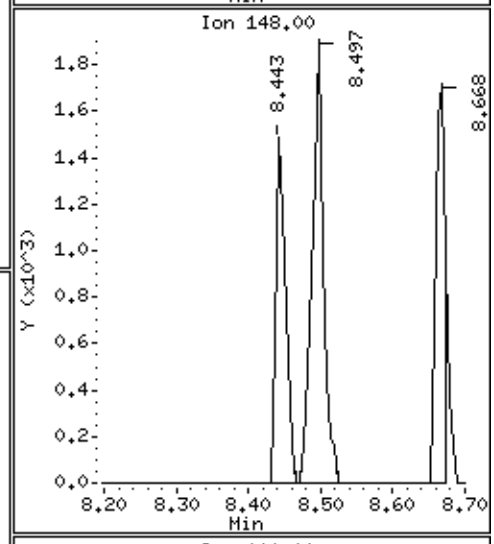


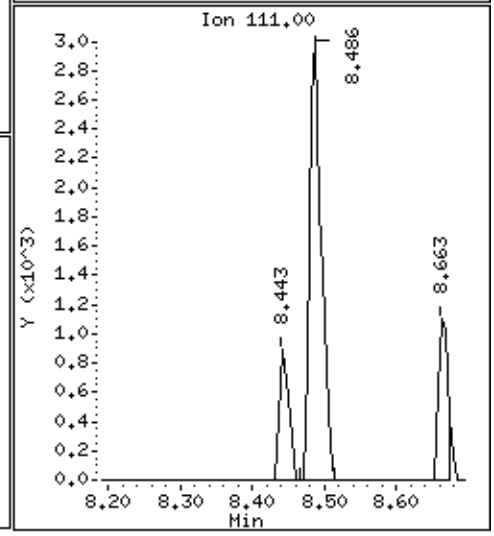












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

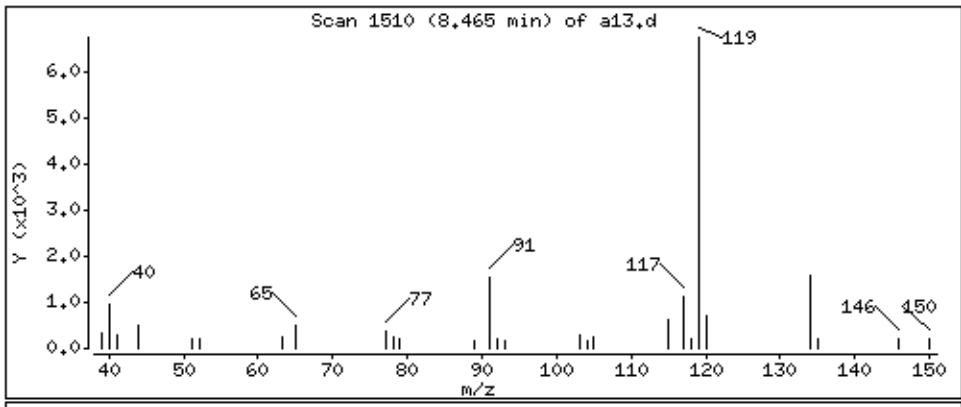
Operator: ala

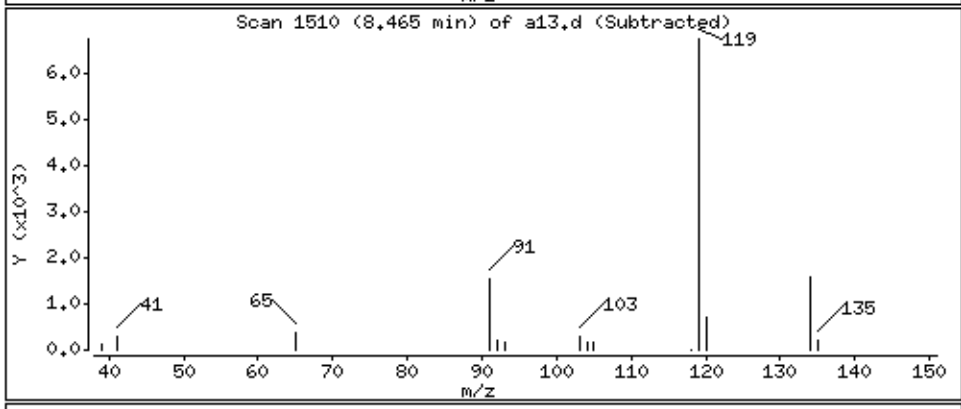
Column phase: DB-624

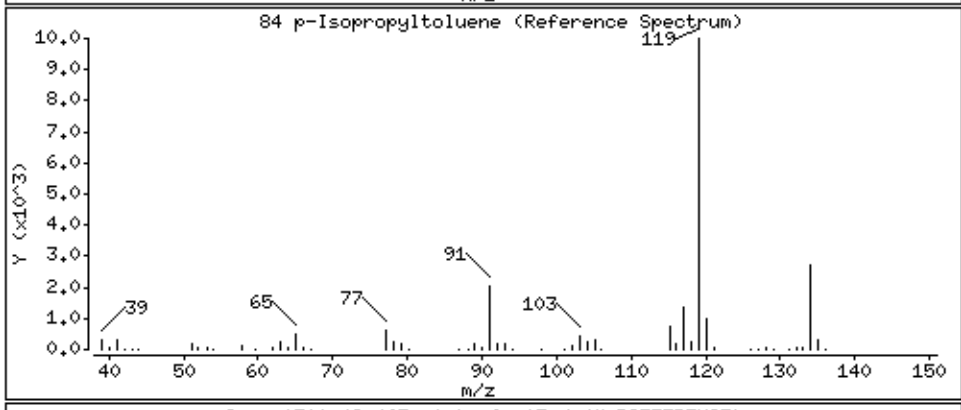
Column diameter: 0.18

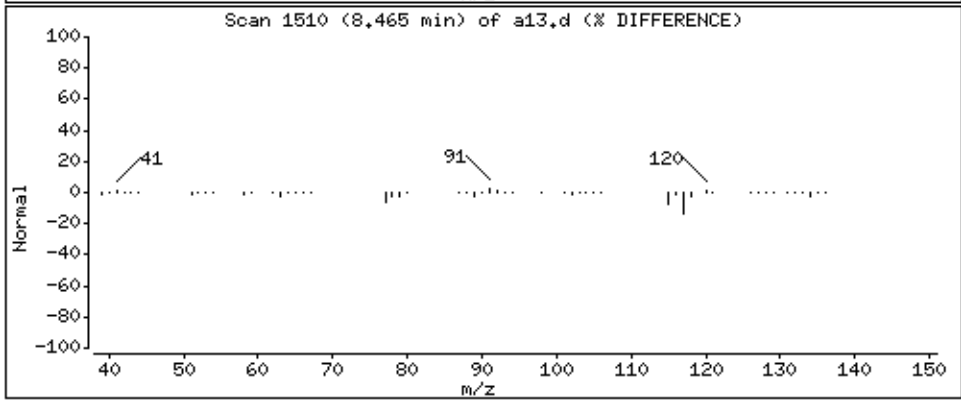
84 p-Isopropyltoluene

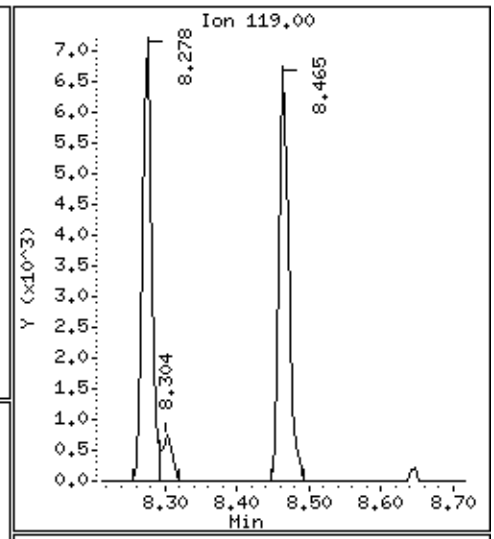
Concentration: 3.67 ppb

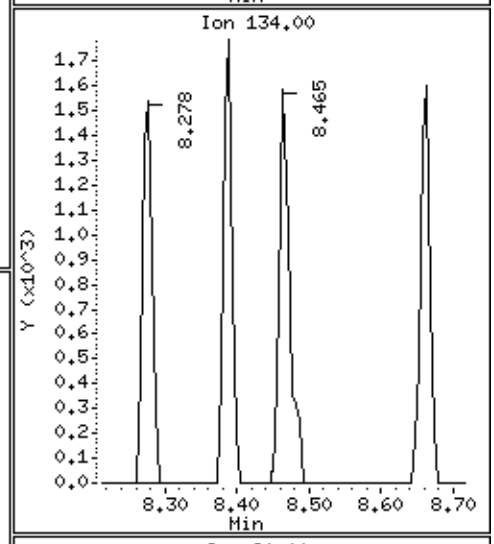


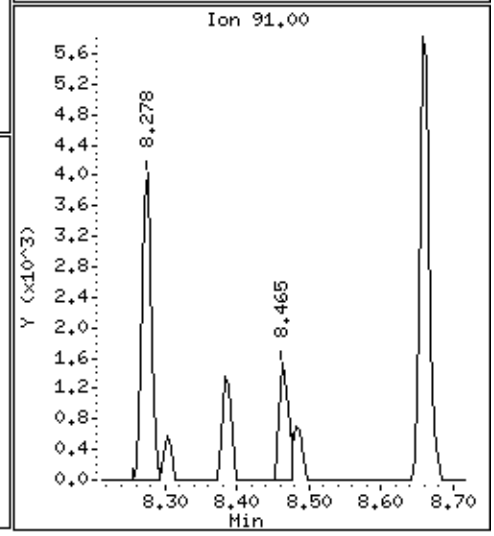












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

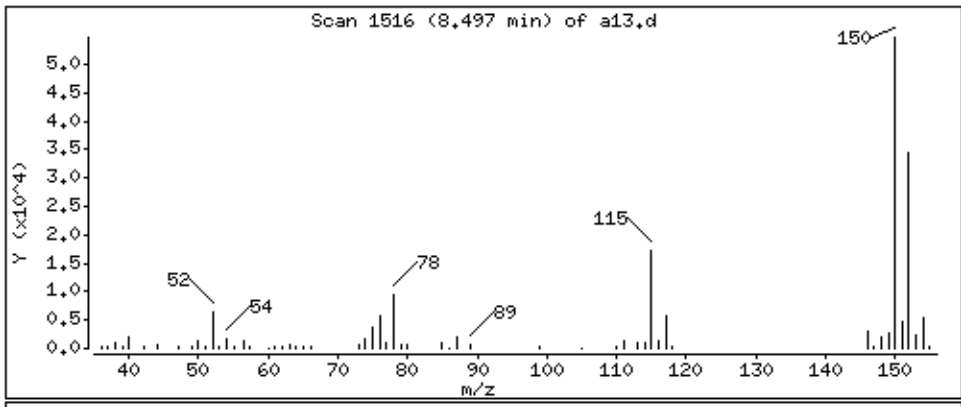
Operator: ala

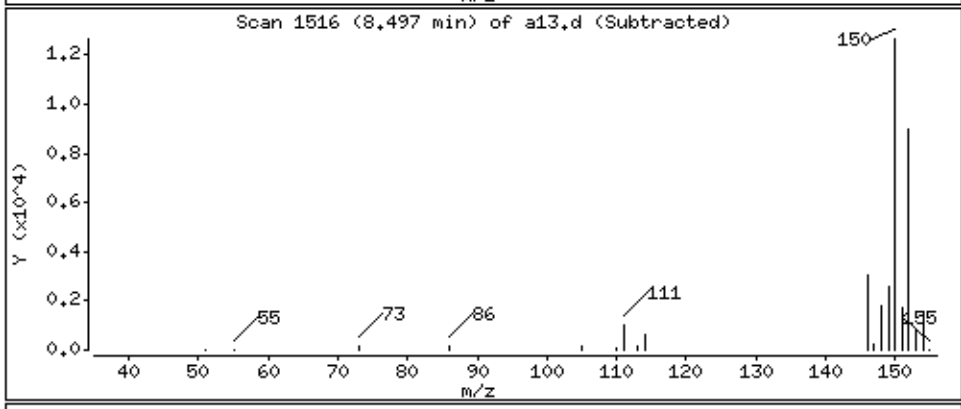
Column phase: DB-624

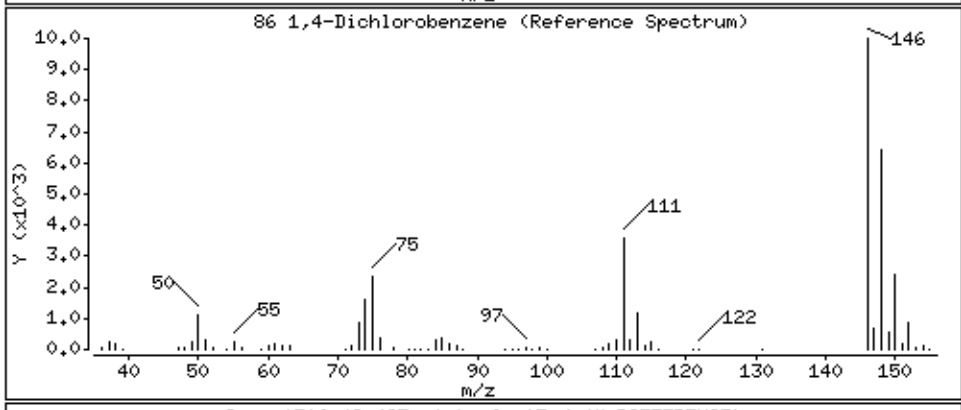
Column diameter: 0.18

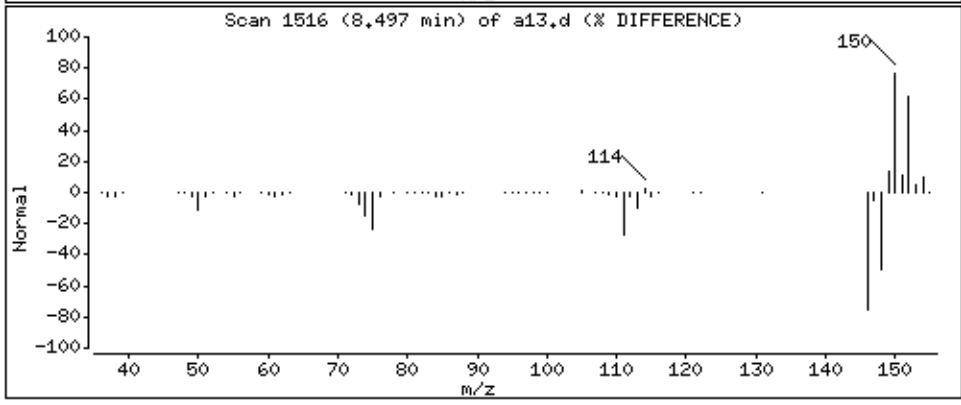
86 1,4-Dichlorobenzene

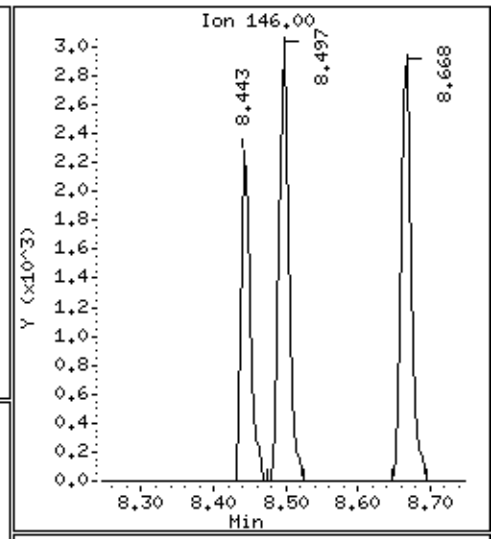
Concentration: 0.300 ppb

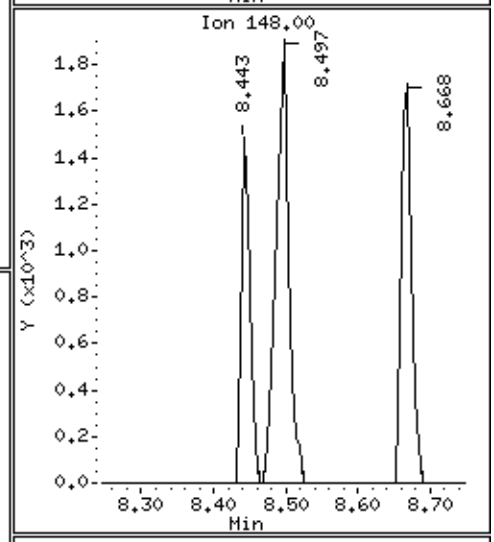


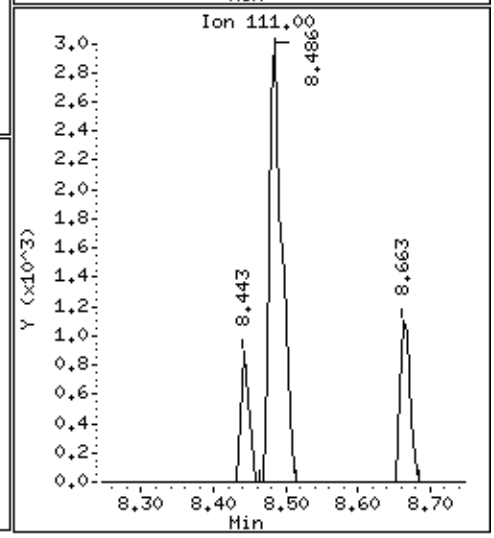












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

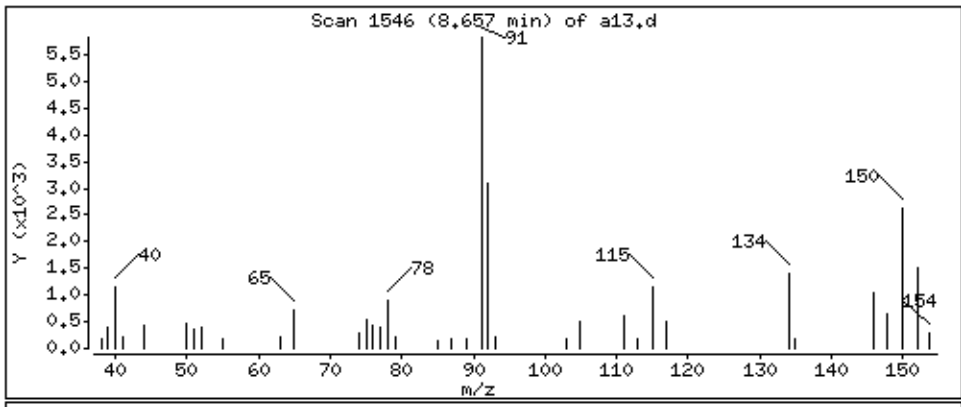
Operator: ala

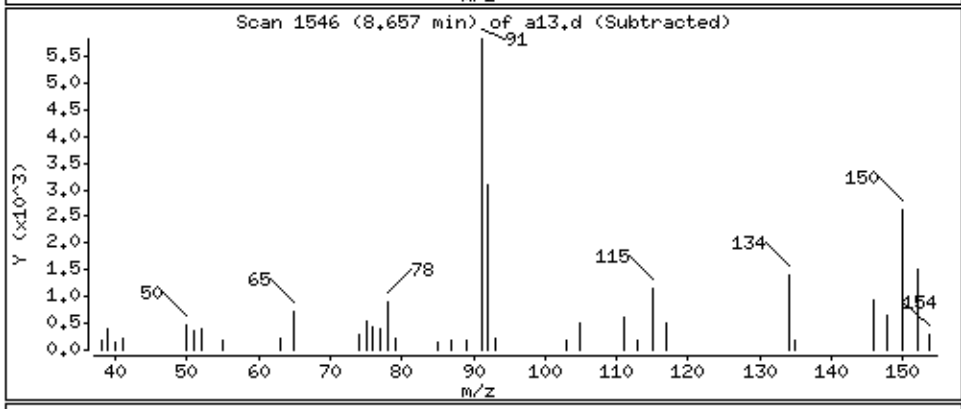
Column phase: DB-624

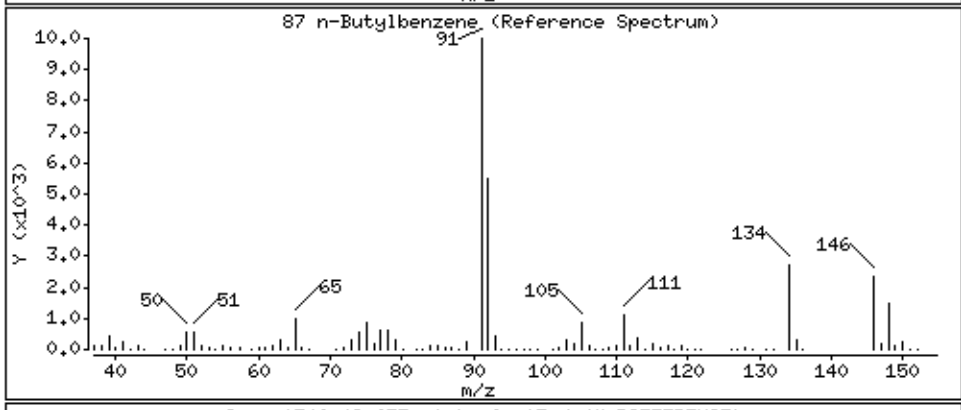
Column diameter: 0.18

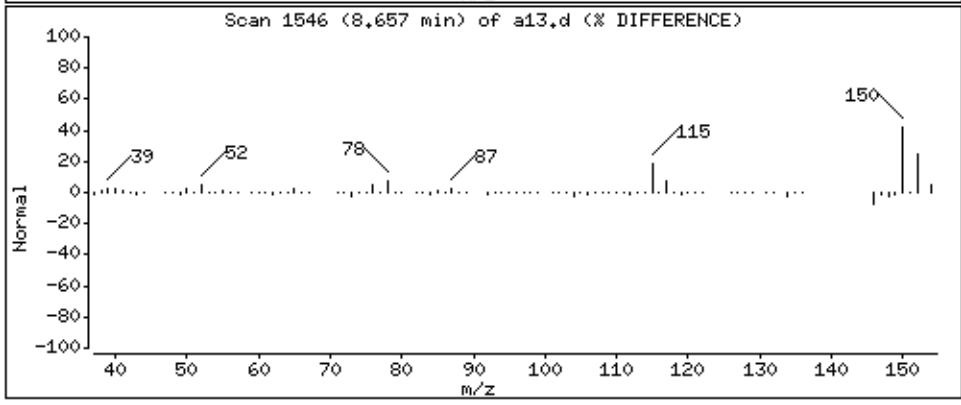
87 n-Butylbenzene

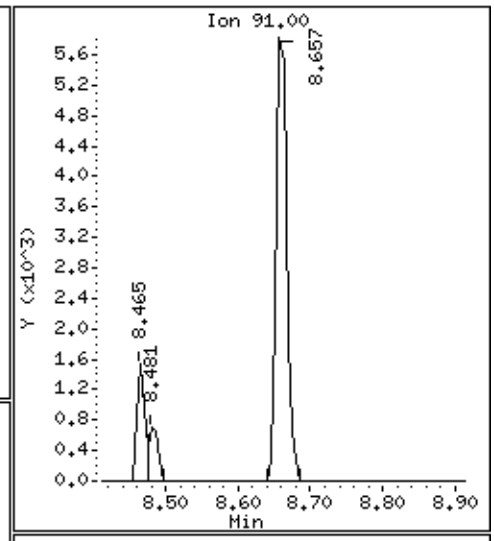
Concentration: 0.892 ppb

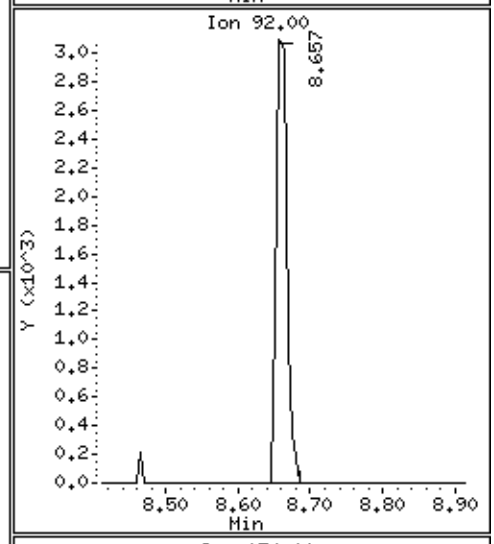


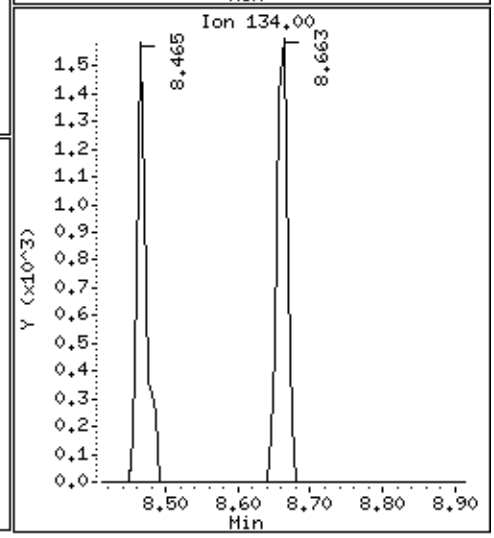












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a13.d

Date : 03-JUL-2014 22:50

Client ID: TMW-10 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765004

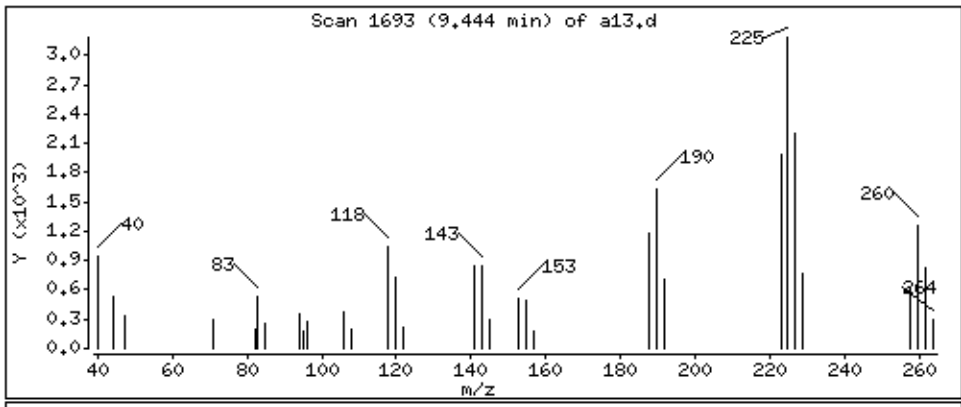
Operator: ala

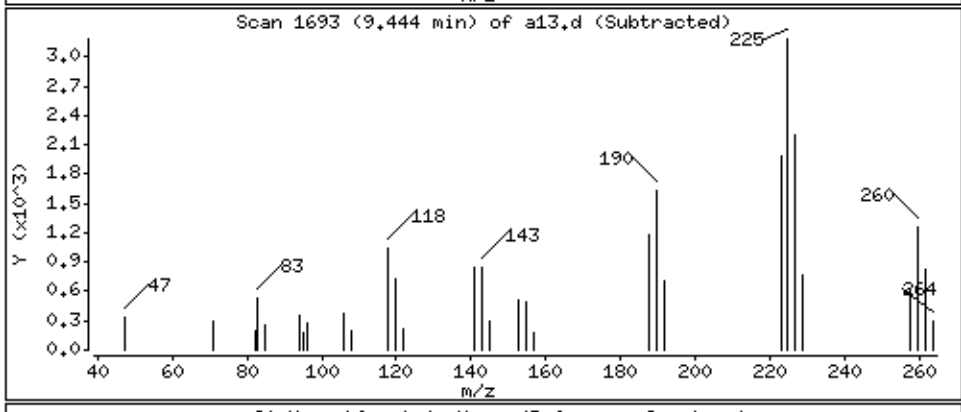
Column phase: DB-624

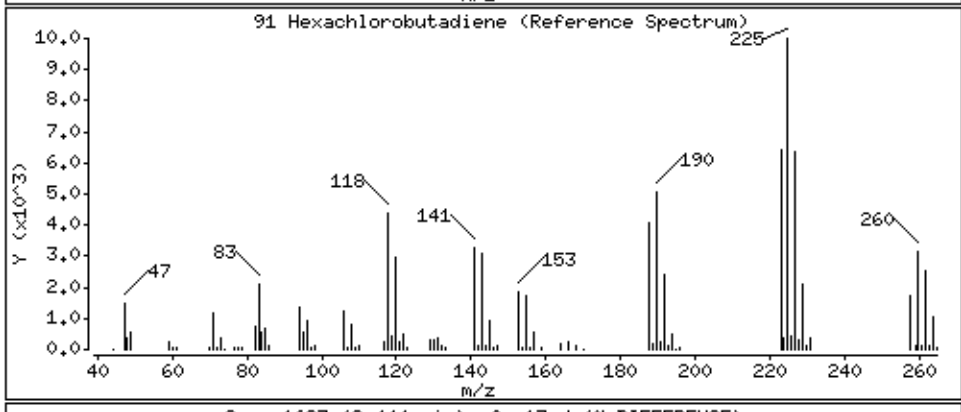
Column diameter: 0.18

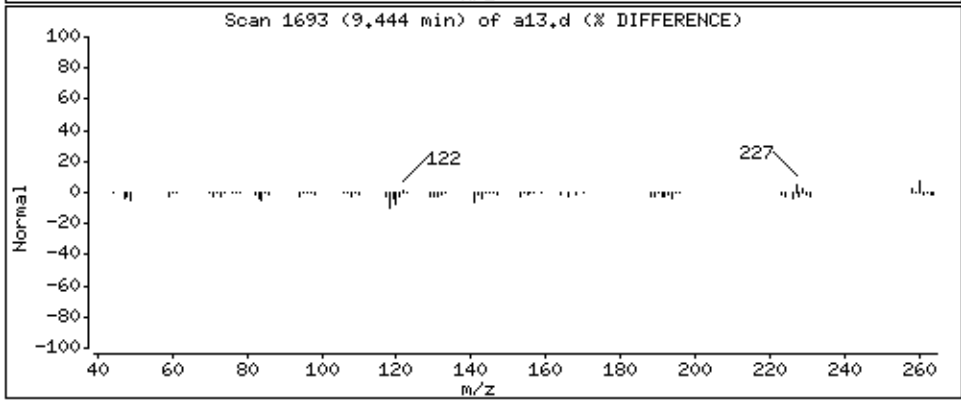
91 Hexachlorobutadiene

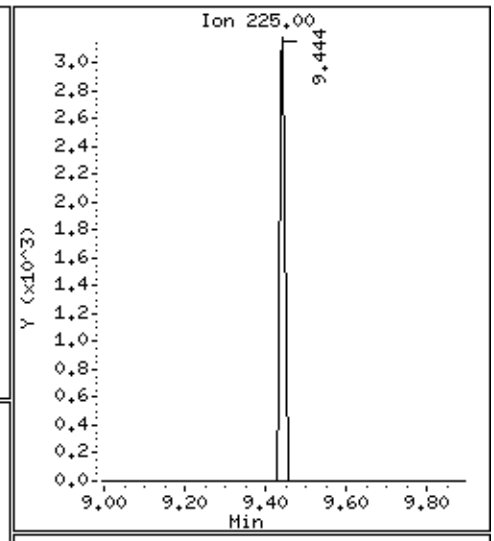
Concentration: 1.29 ppb

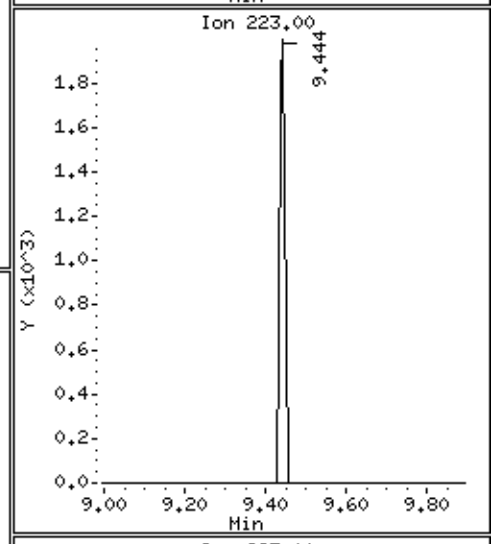


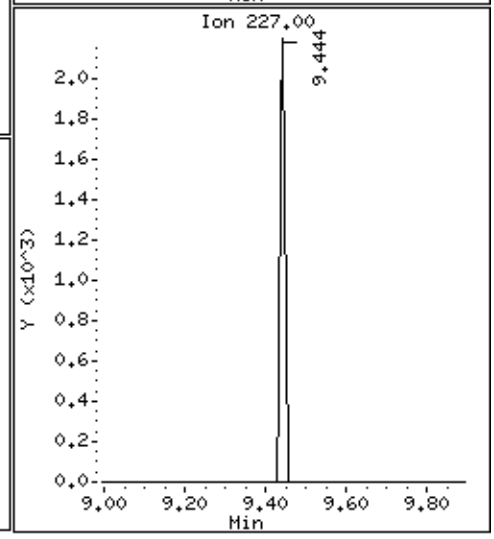












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a13.d
Injection Date: 03-JUL-2014 22:50
Instrument: 50mv6b.i
Lab Sample ID: 5099765004
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

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

TMW-2 (3-5)

Lab Name: Pace Analytical - Indiana | Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10 | Matrix: Solid | SDG No.: 5099765
Date Extracted: 07/03/2014 23:18 | Lab Sample ID: 5099765005
Date Analyzed: 07/03/2014 23:18 | Lab File ID: B070314CAL.B\A14.D
Initial wt/vol: 5.792 g | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV6B | Percent Moisture: 6.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
67-64-1	Acetone	99.9	
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

SAMPLE NO.

TMW-2 (3-5)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 23:18 Lab Sample ID: 5099765005

Date Analyzed: 07/03/2014 23:18 Lab File ID: B070314CAL.B\A14.D

Initial wt/vol: 5.792 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 6.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
563-58-6	1,1-Dichloropropene	ND	U
10061-01-5	cis-1,3-Dichloropropene	ND	U
10061-02-6	trans-1,3-Dichloropropene	ND	U
100-41-4	Ethylbenzene	ND	U
97-63-2	Ethyl methacrylate	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U
110-54-3	n-Hexane	ND	U
591-78-6	2-Hexanone	ND	U
74-88-4	Iodomethane	ND	U
98-82-8	Isopropylbenzene (Cumene)	ND	U
99-87-6	p-Isopropyltoluene	ND	U
75-09-2	Methylene Chloride	22.9	
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\50mv6b.i\b070314cal.b\a14.d
Lab Smp Id: 5099765005 Client Smp ID: TMW-2 (3-5)
Inj Date : 03-JUL-2014 23:18
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765005
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	6.406	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

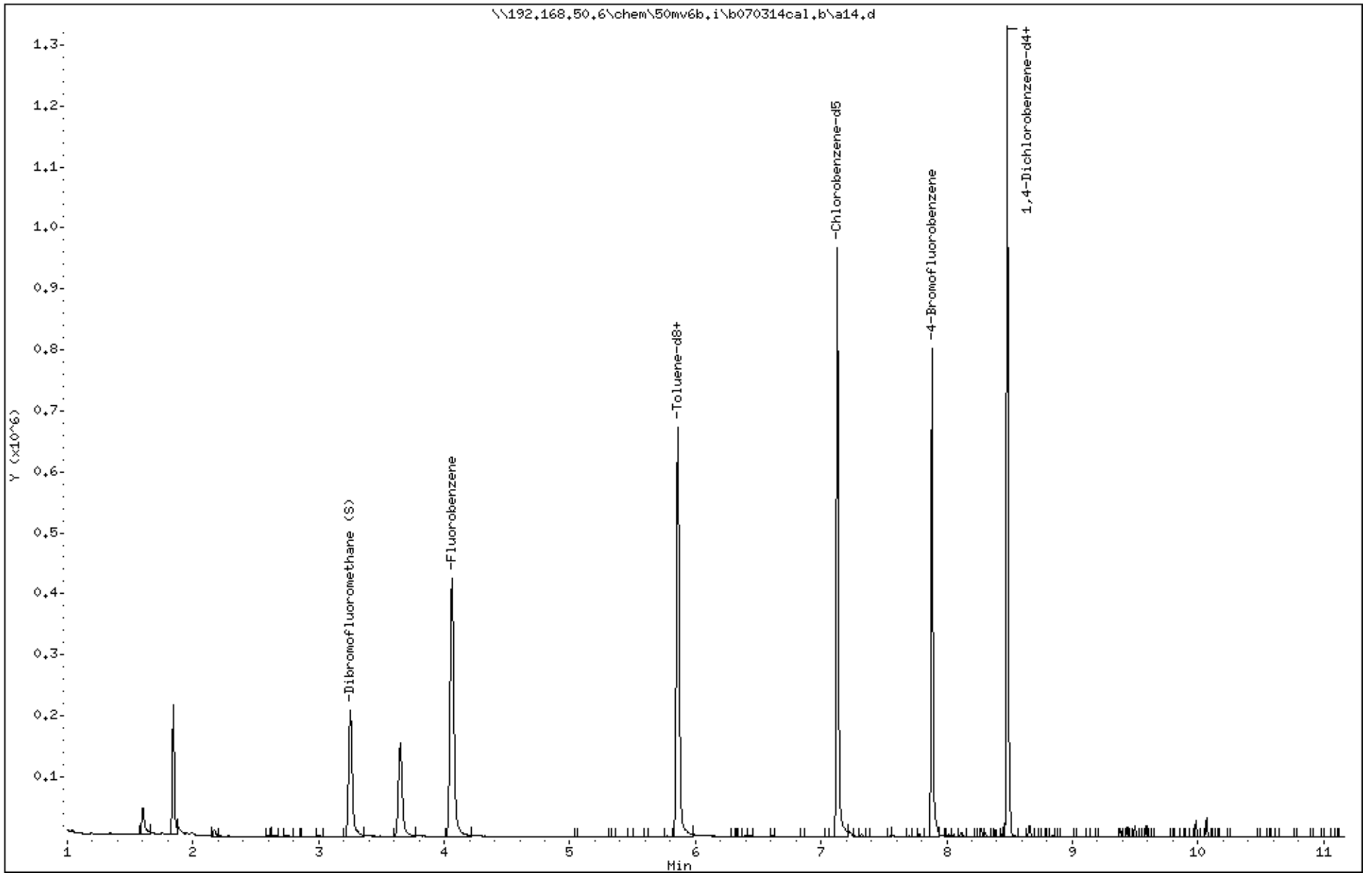
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	6 Trichlorofluoromethane	101	1.344	1.338	(0.331)	746	0.15684	0.168
	12 Acetone	43	1.595	1.601	(0.393)	48503	108.270	116
	17 Methylene Chloride	84	1.841	1.841	(0.453)	77378	24.8343	26.5
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.801)	141906	55.6034	59.4
*	41 Fluorobenzene	96	4.061	4.067	(1.000)	492789	50.0000	
$	51 Toluene-d8	98	5.859	5.859	(0.821)	441770	46.5534	49.7
	52 Toluene	91	5.929	5.928	(0.831)	1727	0.11861	0.127
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	402674	50.0000	
	65 m&p-Xylene	106	7.325	7.325	(1.027)	1197	0.18447	0.197
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	169851	52.7499	56.4
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	2654	0.14093	0.150
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	1783	0.15291	0.163
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	2502	3.06432	3.27
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	2730	2.82712	3.02
	82 sec-Butylbenzene	105	8.389	8.389	(0.989)	5259	3.69508	3.95
	84 p-Isopropyltoluene	119	8.464	8.464	(0.997)	3684	3.32424	3.55
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	219682	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	1671	0.19335	0.206(Q)
	87 n-Butylbenzene	91	8.657	8.662	(1.020)	3360	0.68757	0.735
	91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	1640	0.71796	0.767

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d
Date : 03-JUL-2014 23:18
Client ID: TMW-2 (3-5)
Sample Info: 5099765005

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

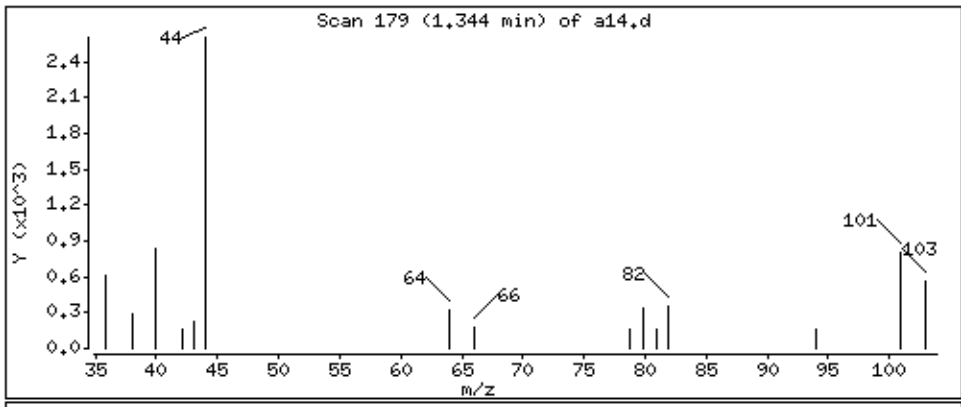
Operator: ala

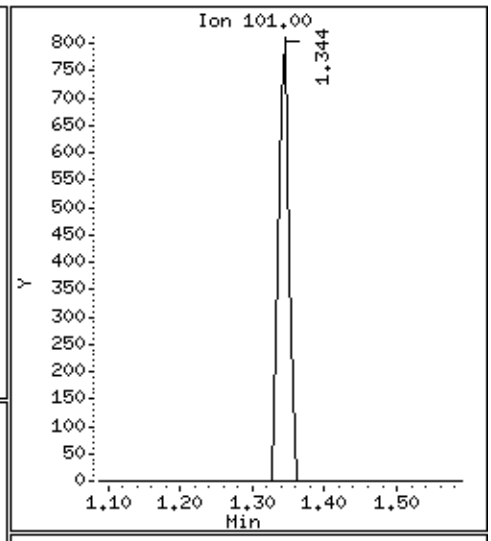
Column phase: DB-624

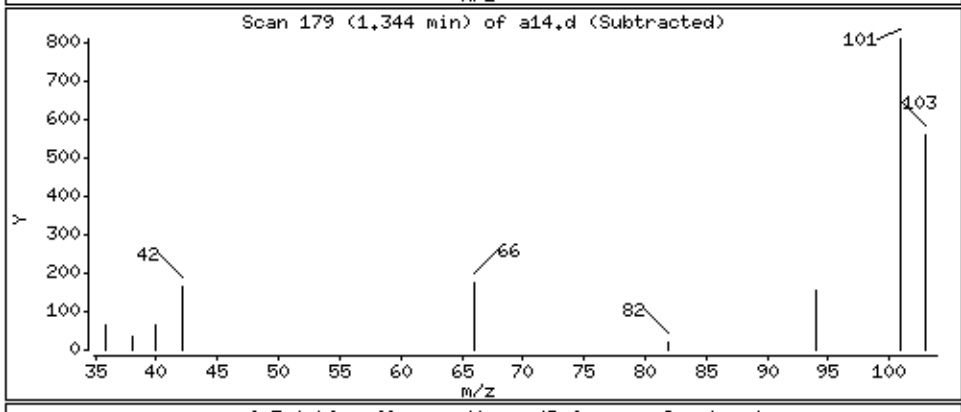
Column diameter: 0.18

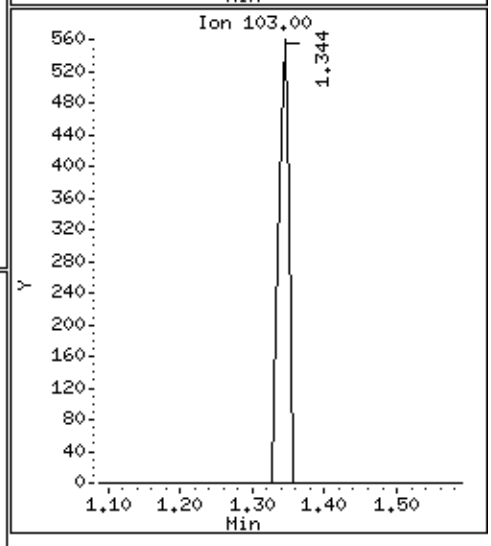
6 Trichlorofluoromethane

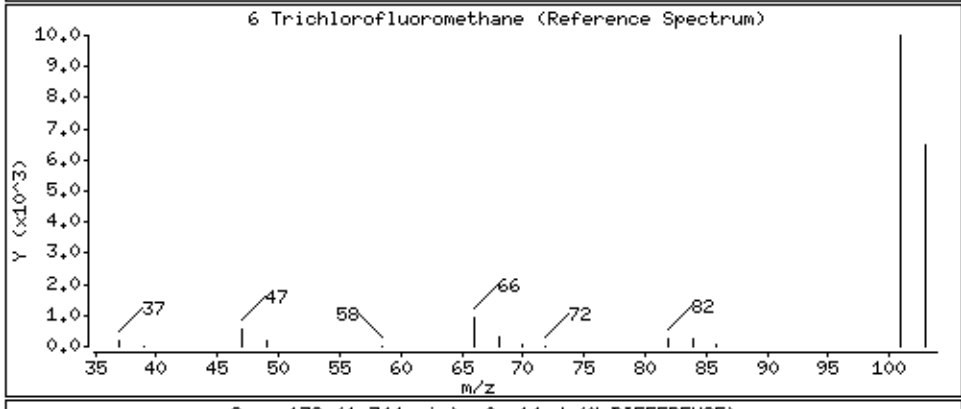
Concentration: 0.168 ppb

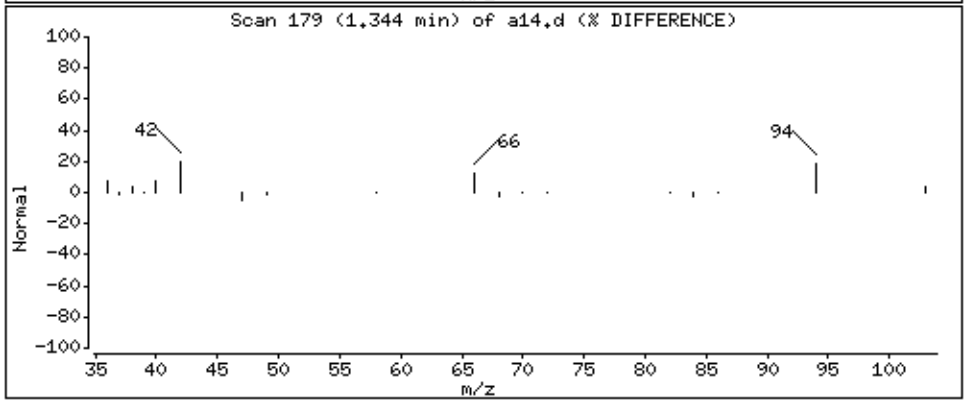












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

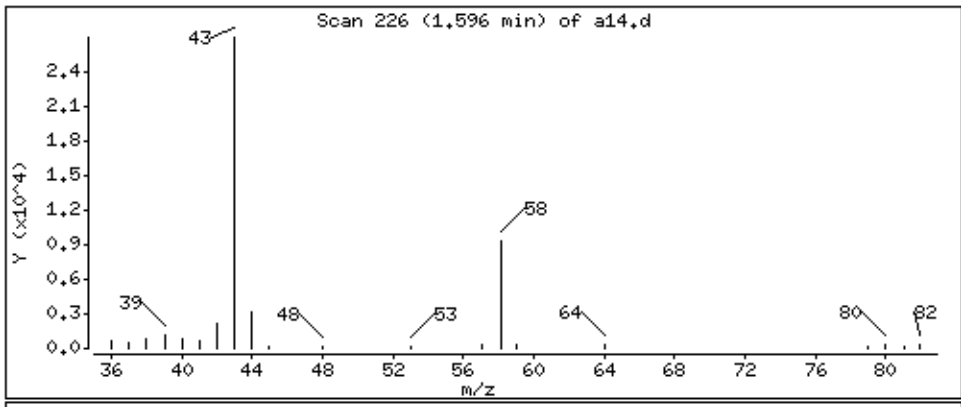
Operator: ala

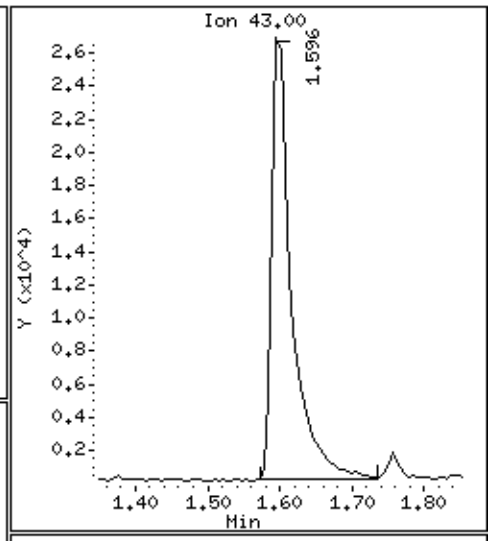
Column phase: DB-624

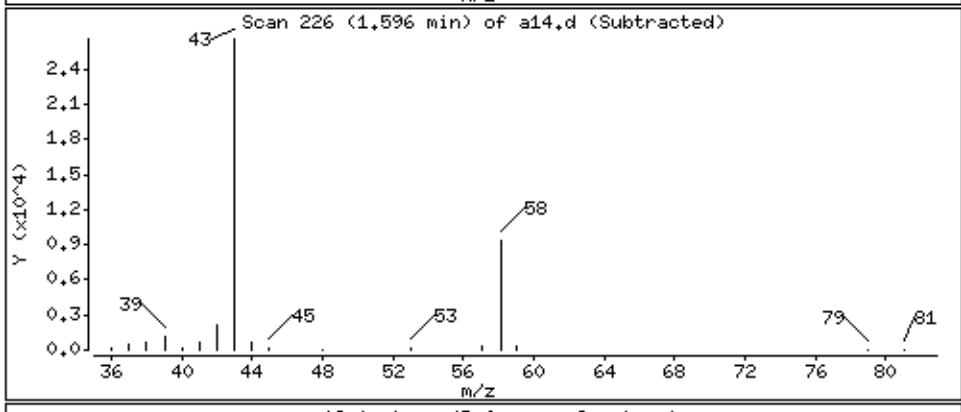
Column diameter: 0.18

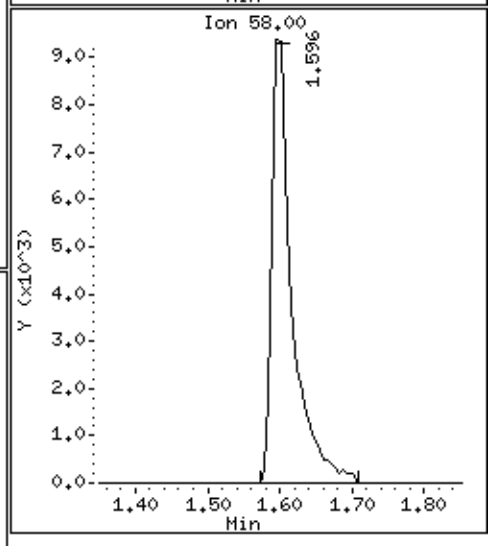
12 Acetone

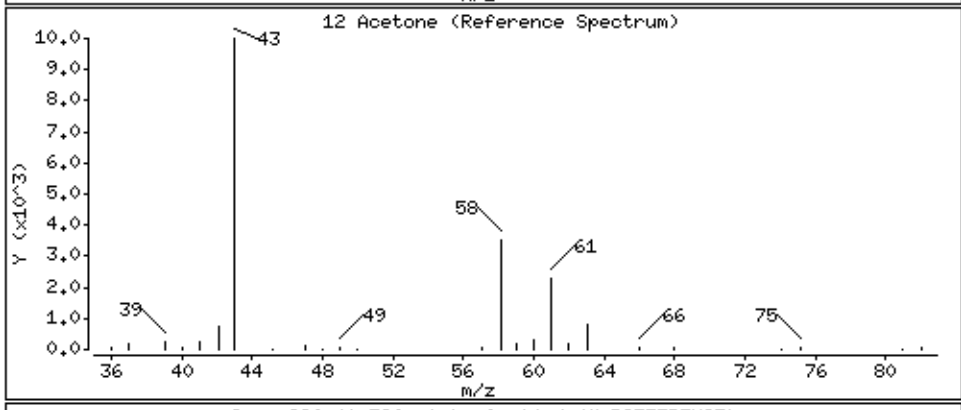
Concentration: 116 ppb

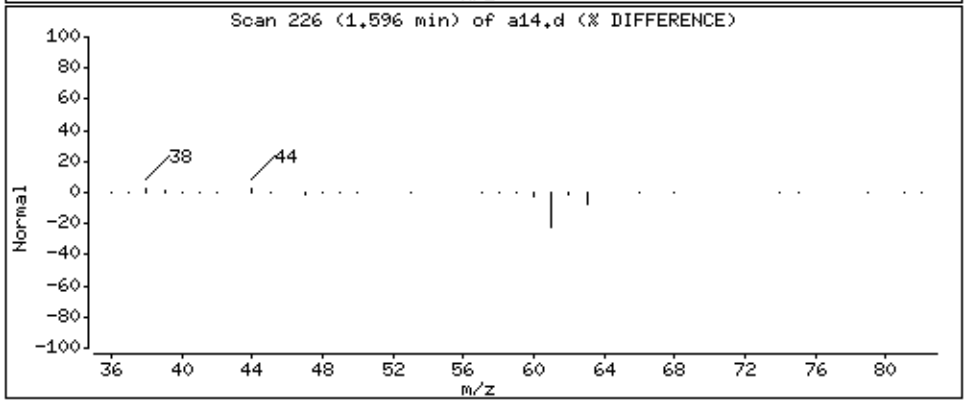












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Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

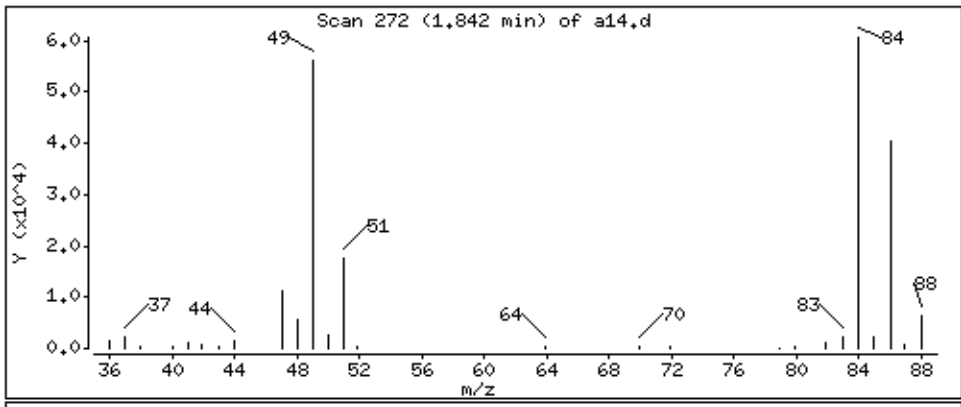
Operator: ala

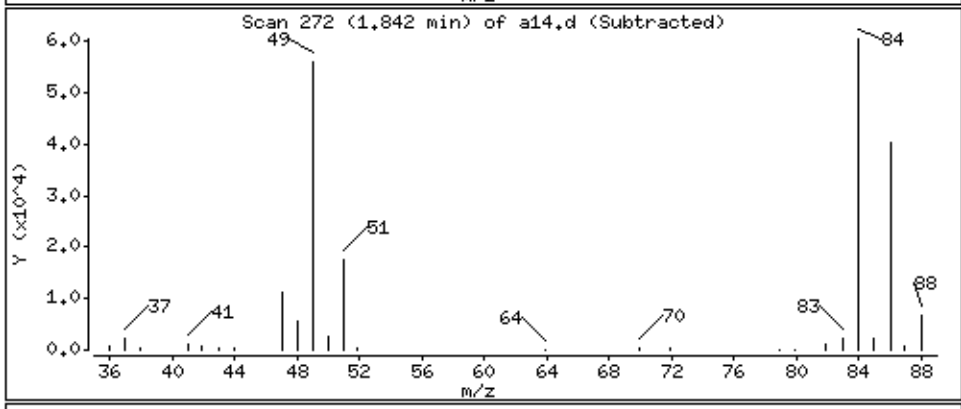
Column phase: DB-624

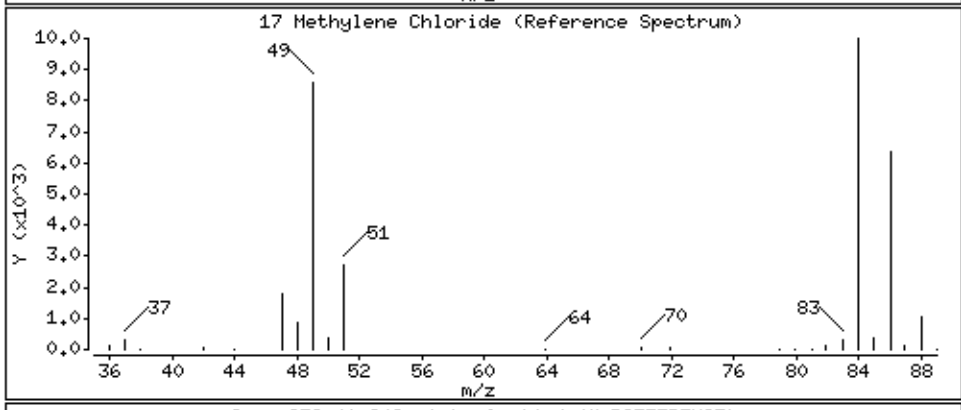
Column diameter: 0.18

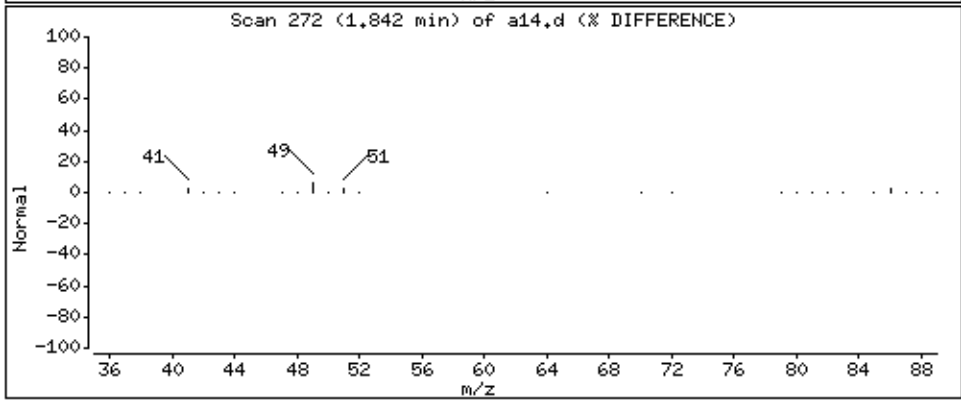
17 Methylene Chloride

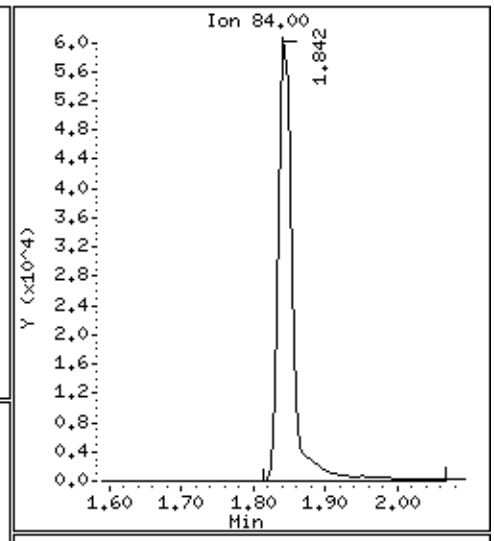
Concentration: 26.5 ppb

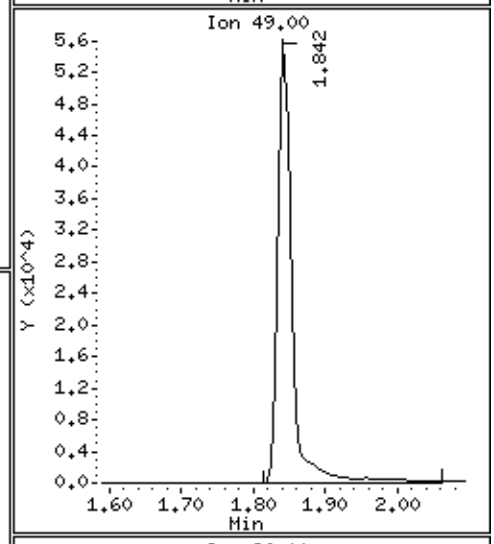


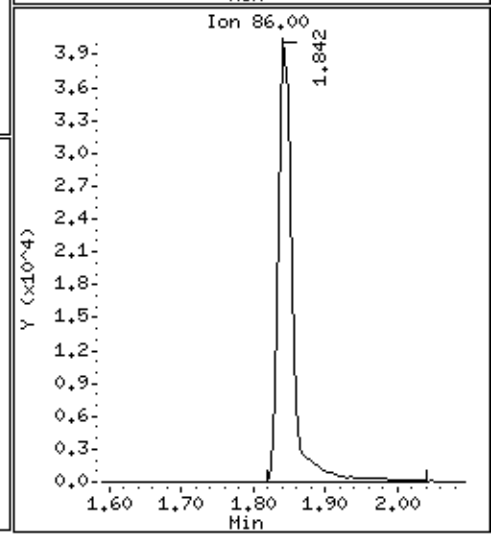












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

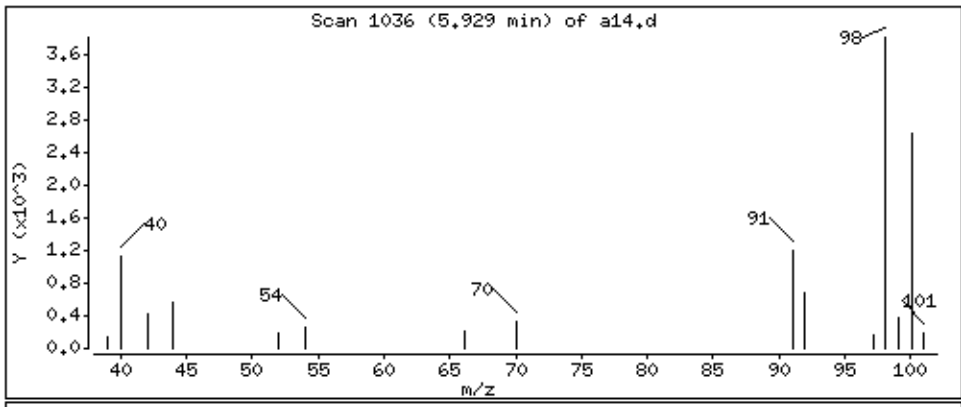
Operator: ala

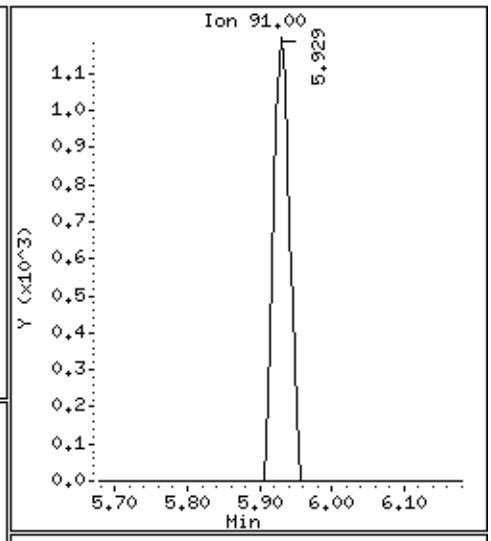
Column phase: DB-624

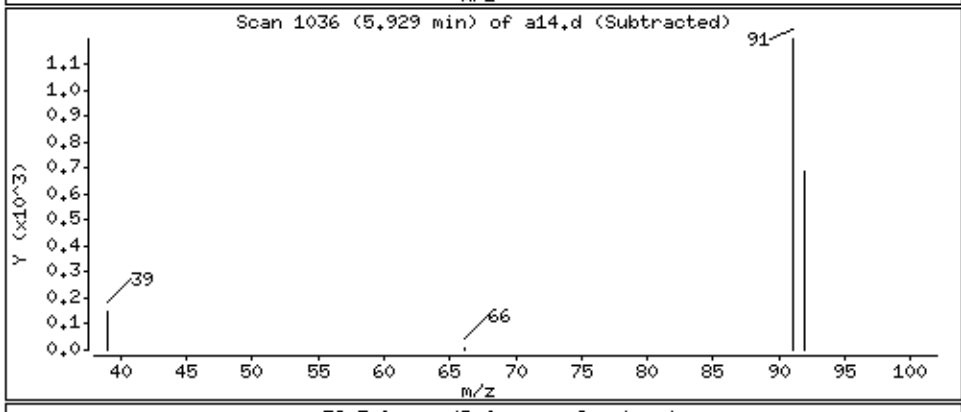
Column diameter: 0.18

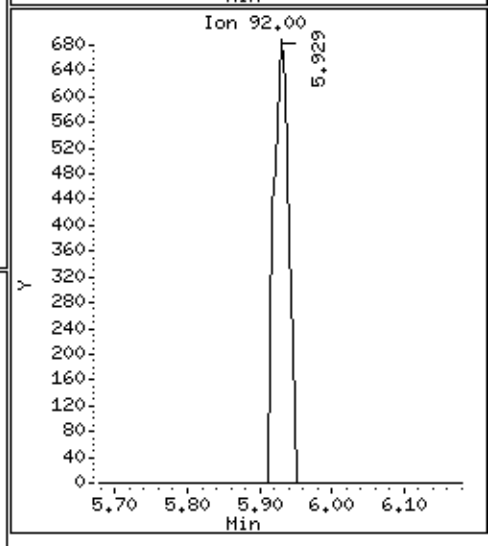
52 Toluene

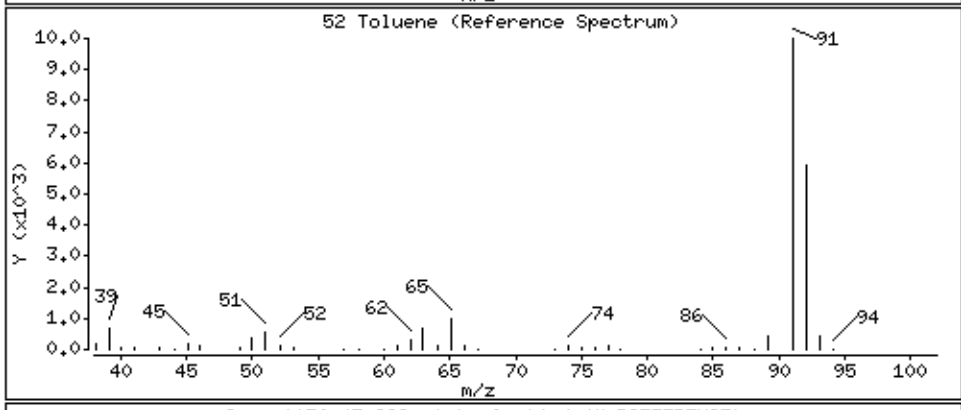
Concentration: 0.127 ppb

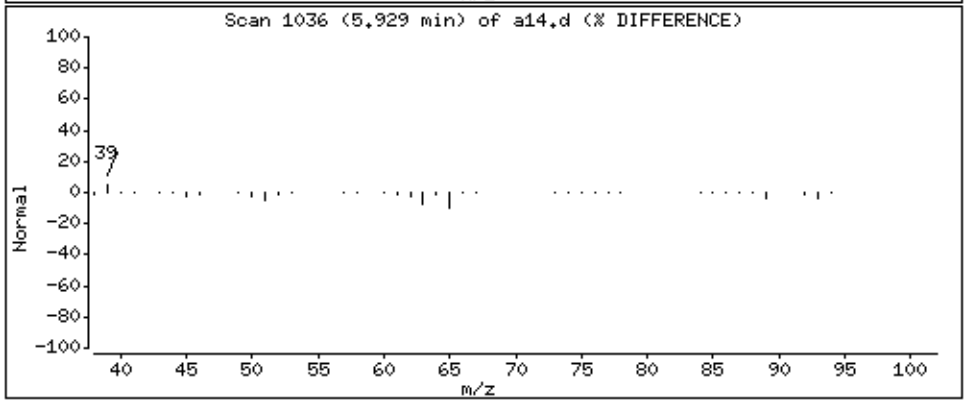












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Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

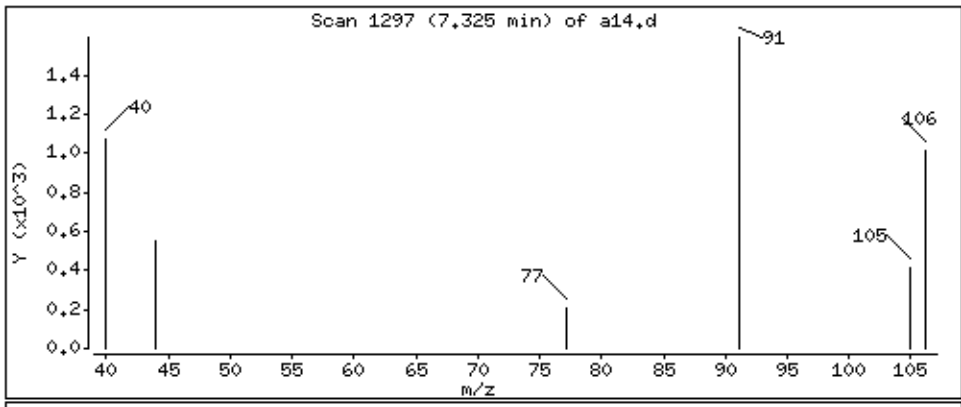
Operator: ala

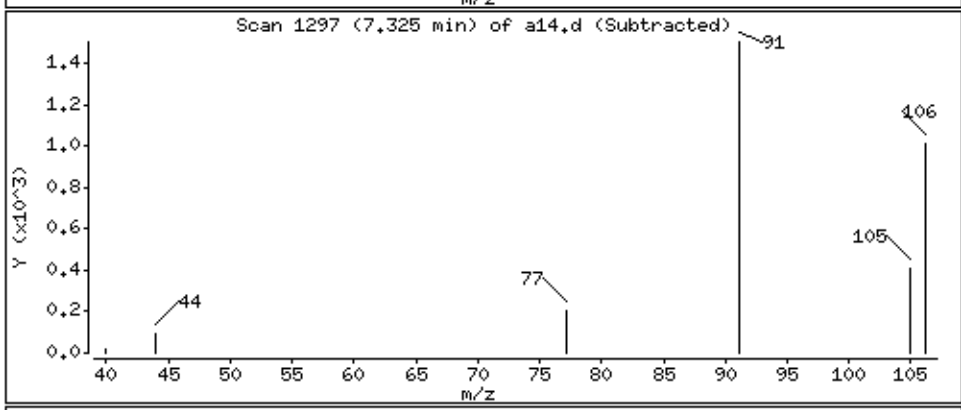
Column phase: DB-624

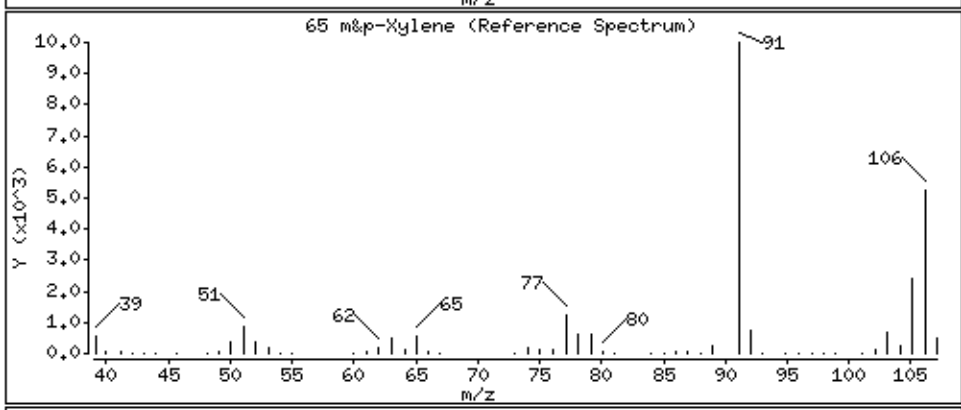
Column diameter: 0.18

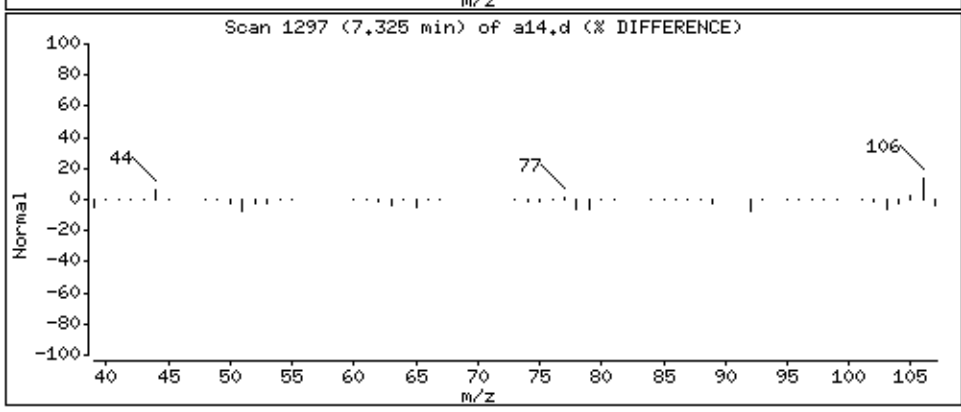
65 m&p-Xylene

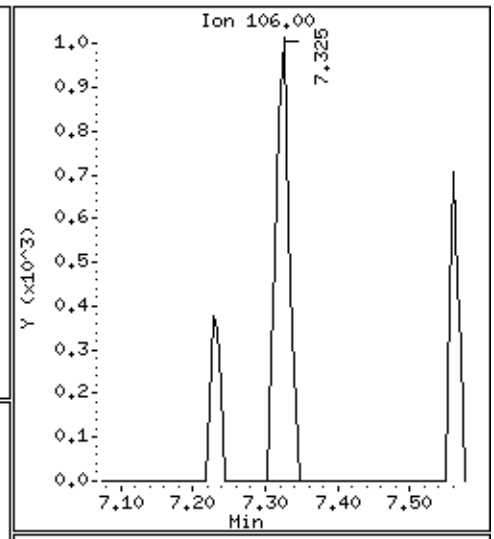
Concentration: 0.197 ppb

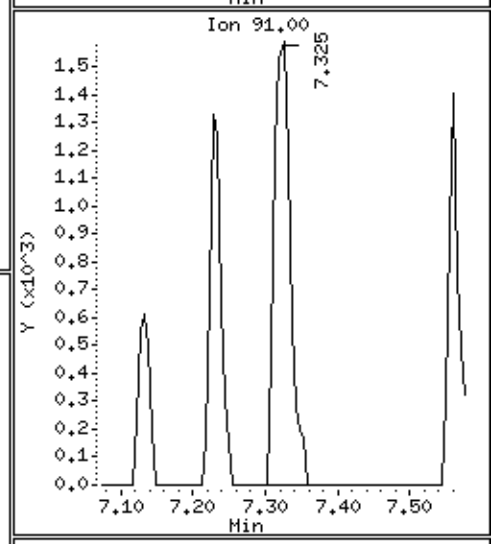


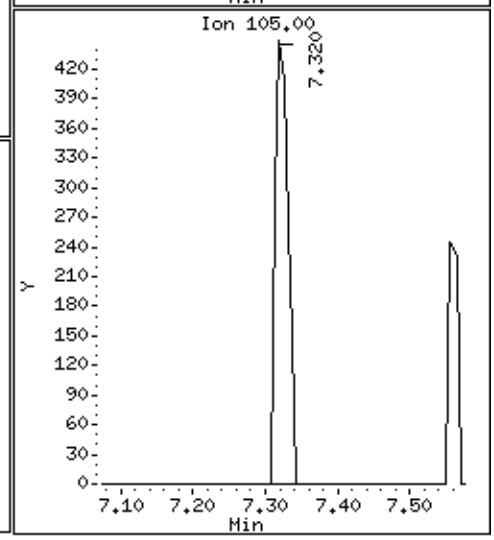












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

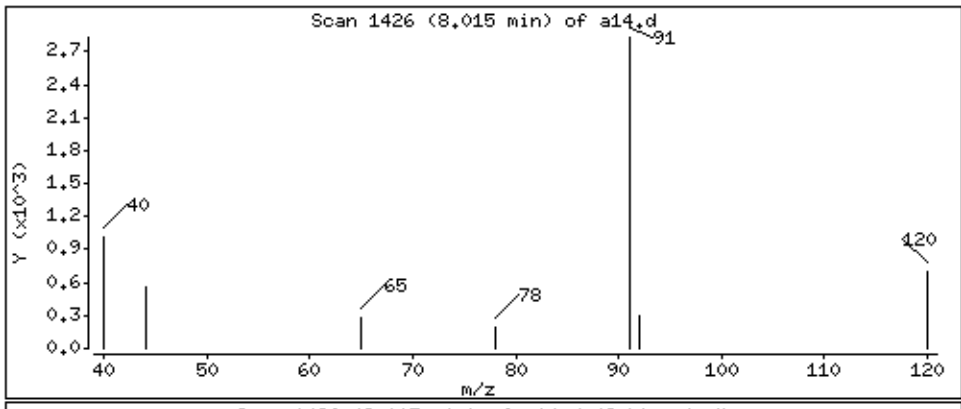
Operator: ala

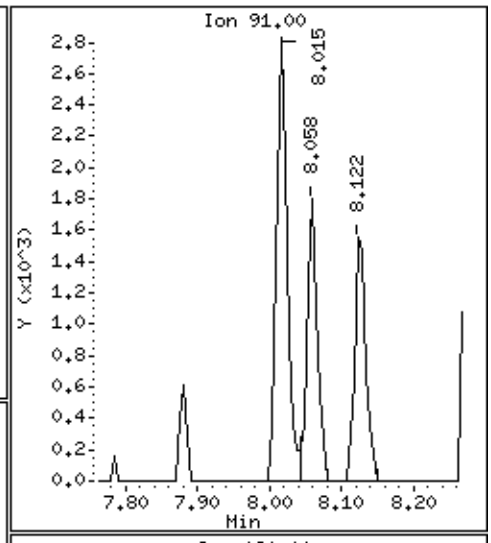
Column phase: DB-624

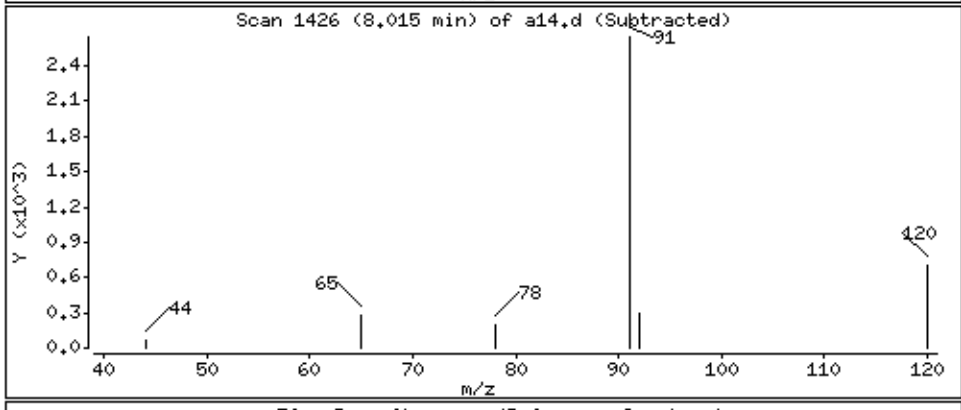
Column diameter: 0.18

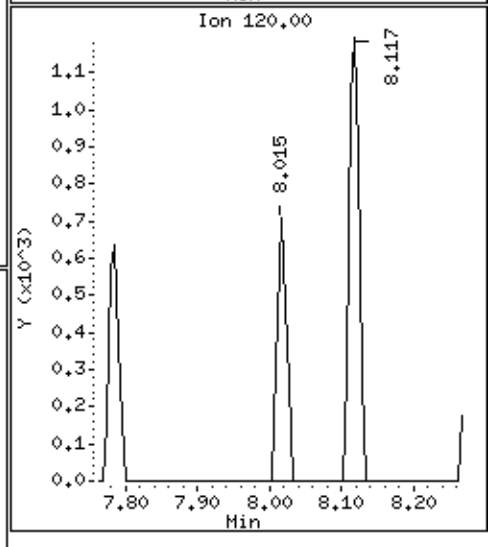
76 n-Propylbenzene

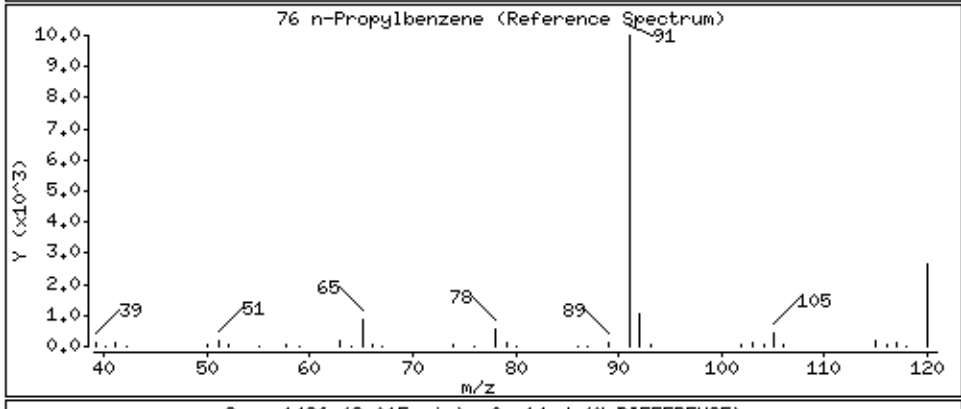
Concentration: 0.150 ppb

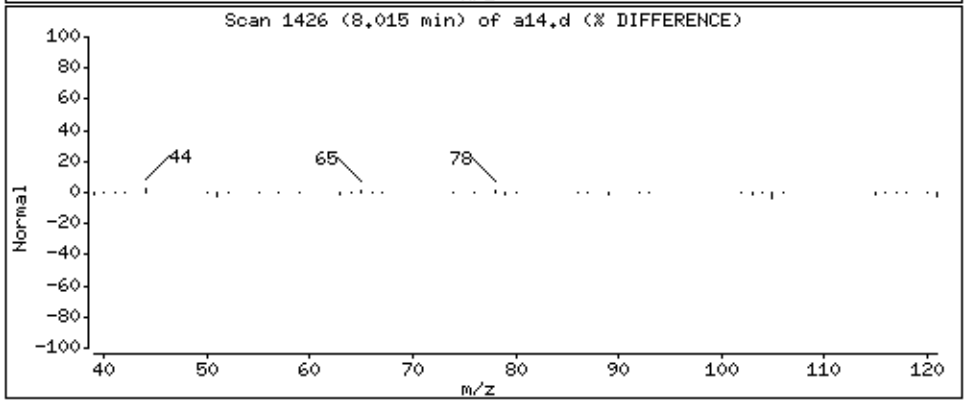












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

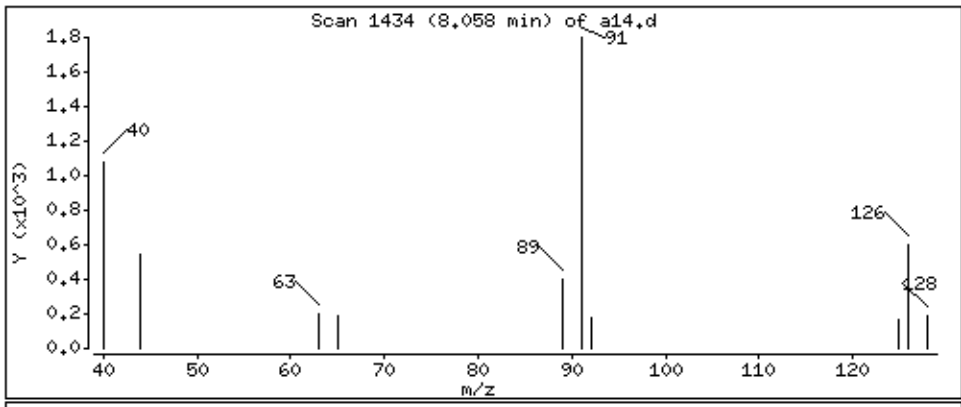
Operator: ala

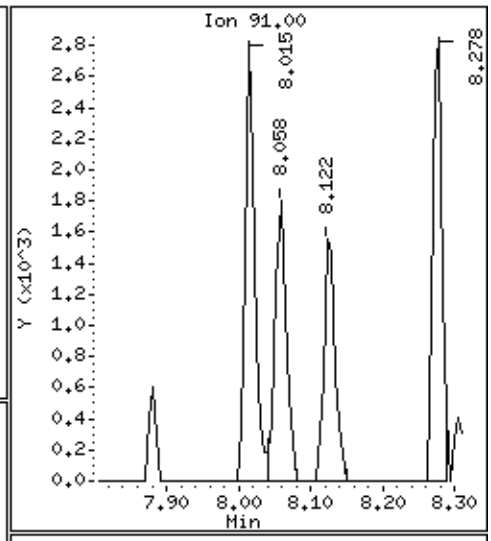
Column phase: DB-624

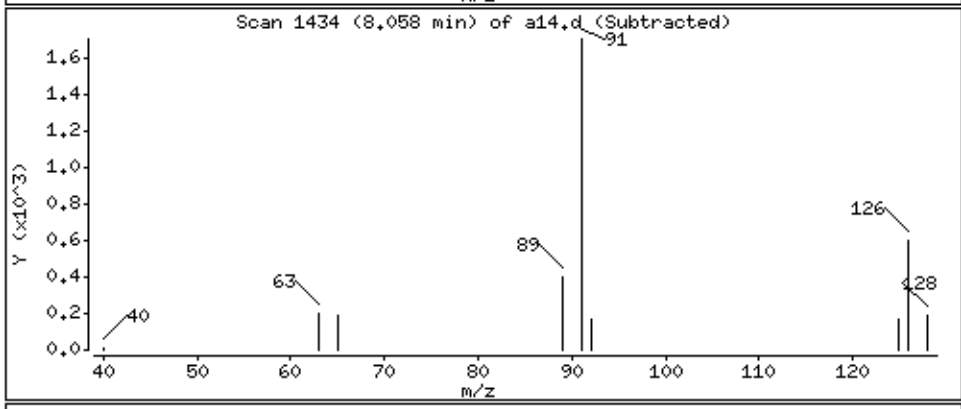
Column diameter: 0.18

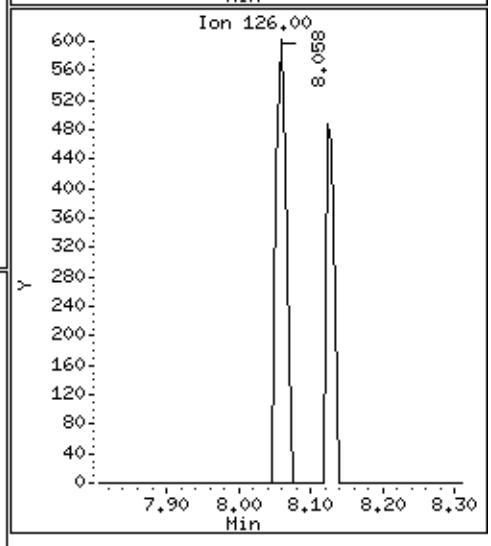
77 2-Chlorotoluene

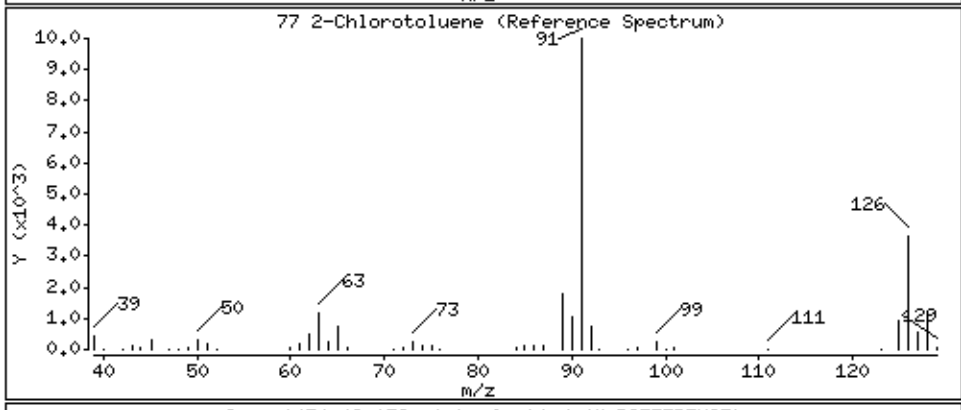
Concentration: 0.163 ppb

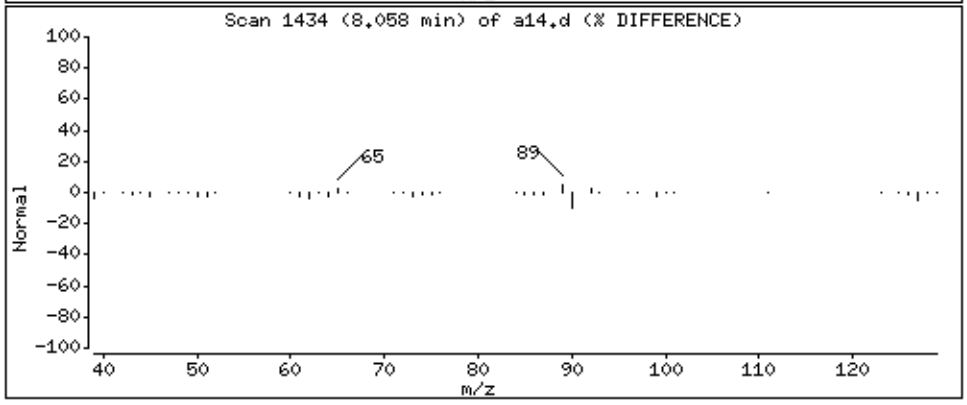












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Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

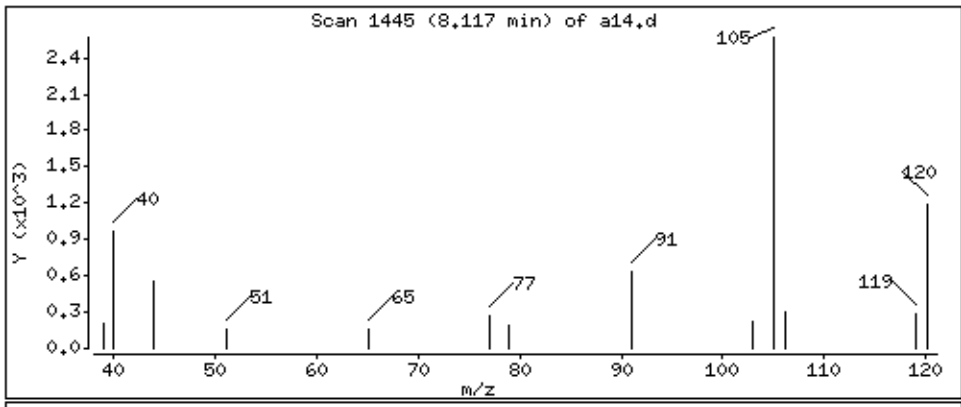
Operator: ala

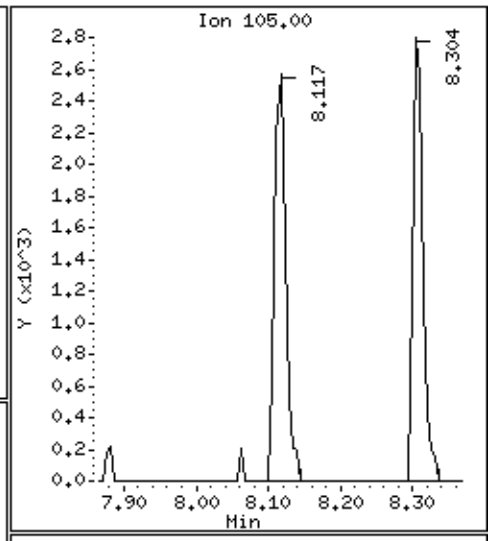
Column phase: DB-624

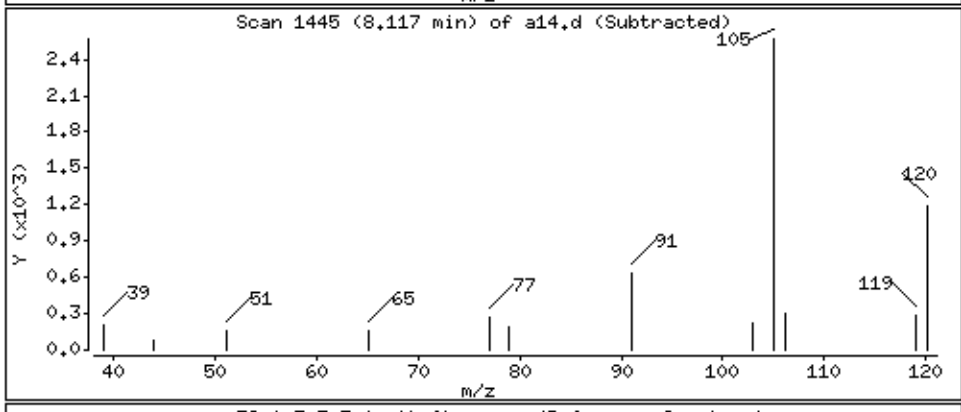
Column diameter: 0.18

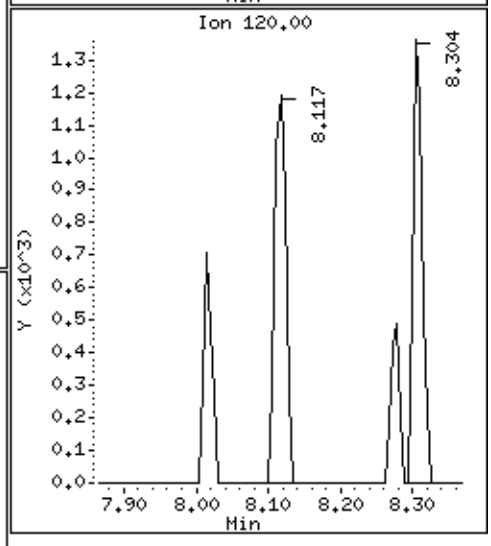
78 1,3,5-Trimethylbenzene

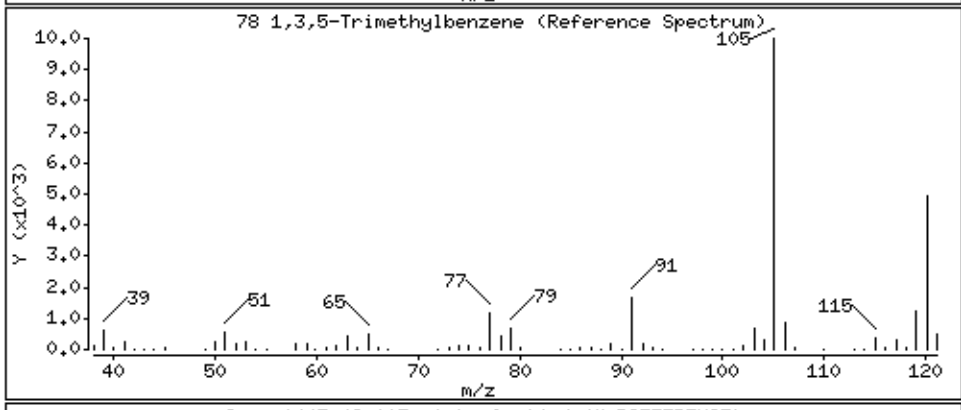
Concentration: 3.27 ppb

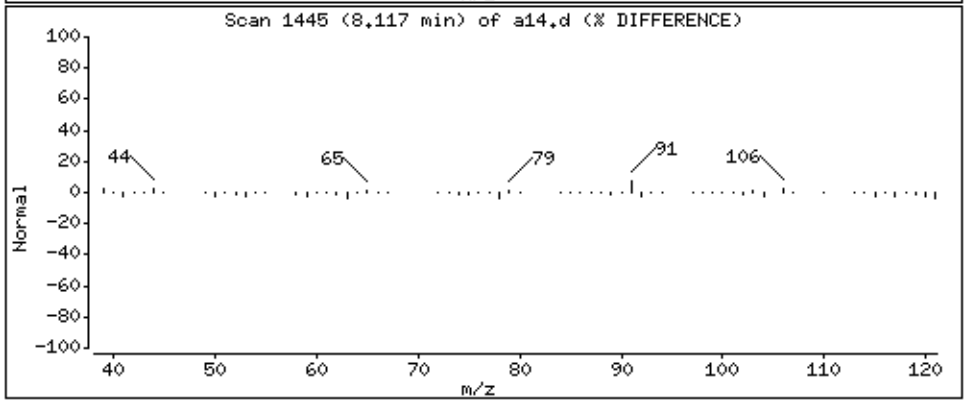












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

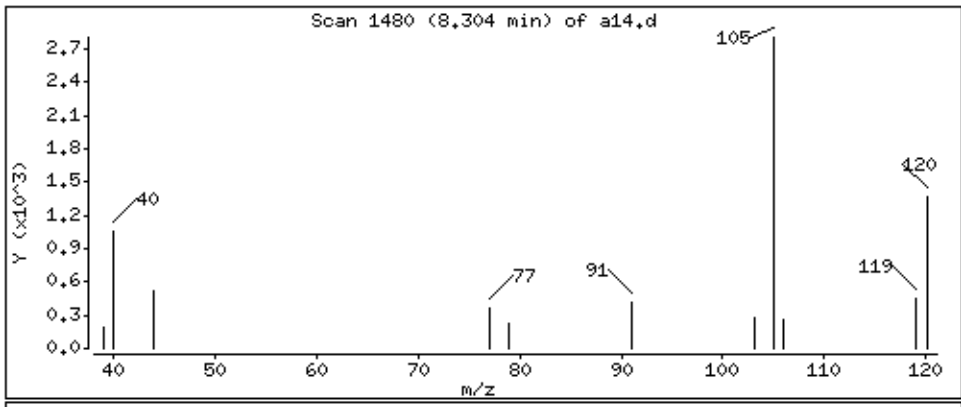
Operator: ala

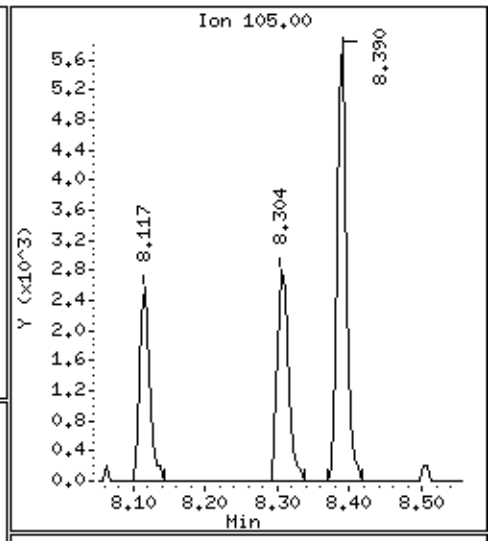
Column phase: DB-624

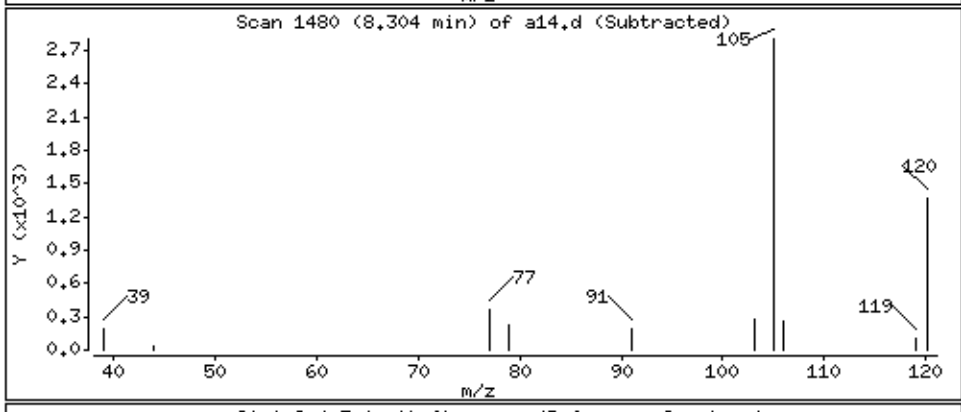
Column diameter: 0.18

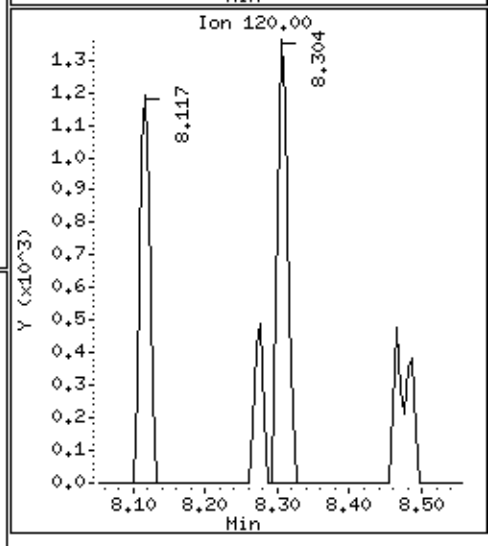
81 1,2,4-Trimethylbenzene

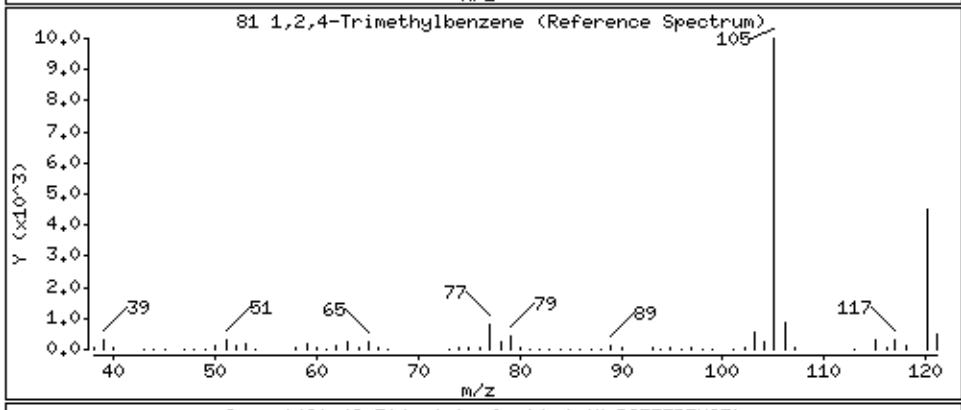
Concentration: 3.02 ppb

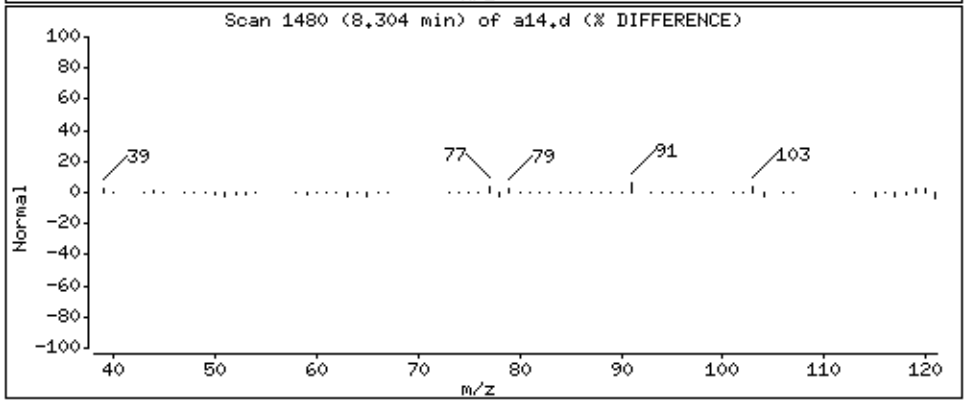












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

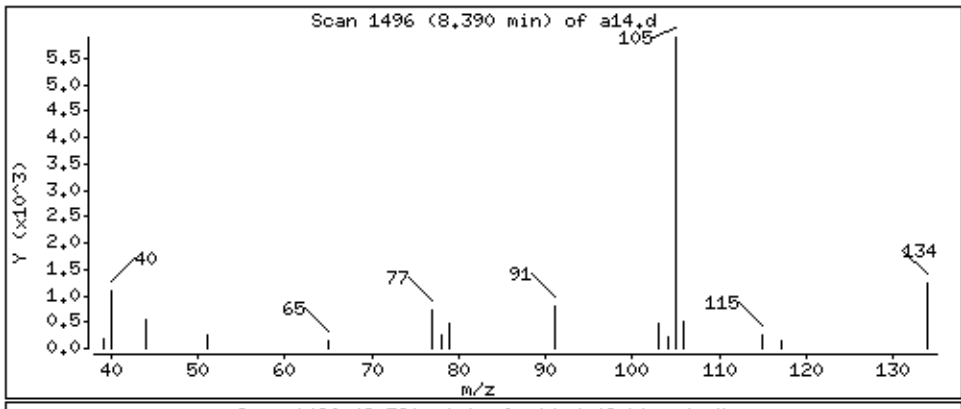
Operator: ala

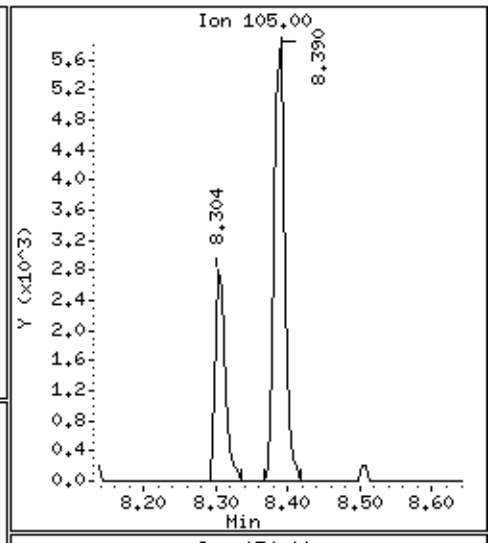
Column phase: DB-624

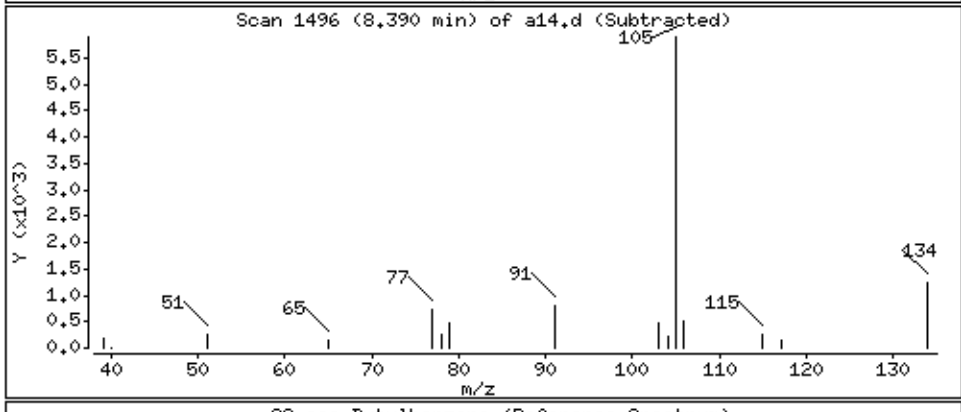
Column diameter: 0.18

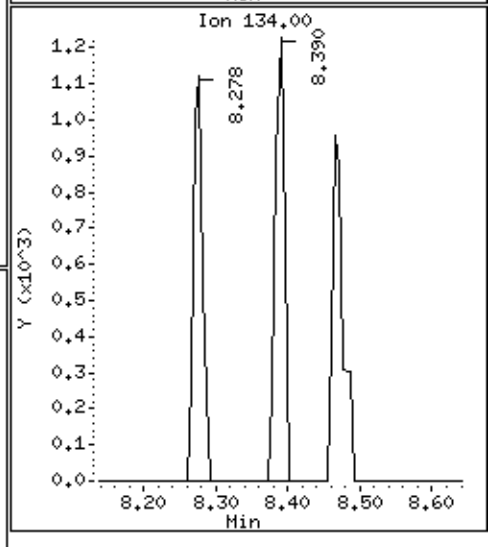
82 sec-Butylbenzene

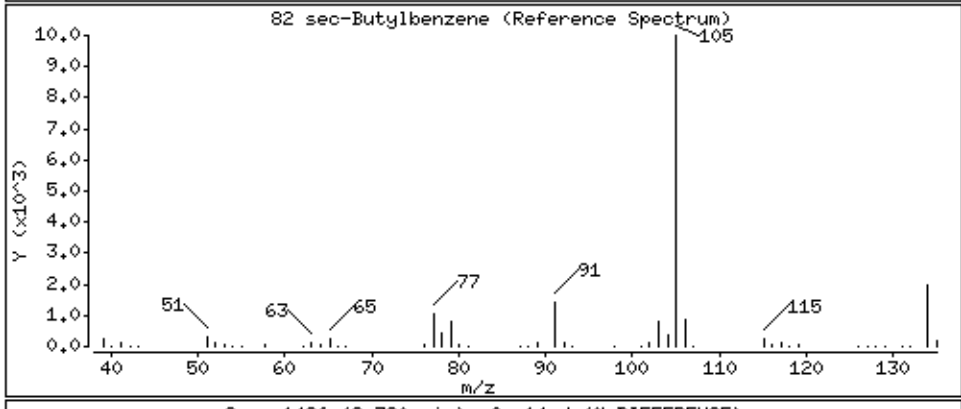
Concentration: 3.95 ppb

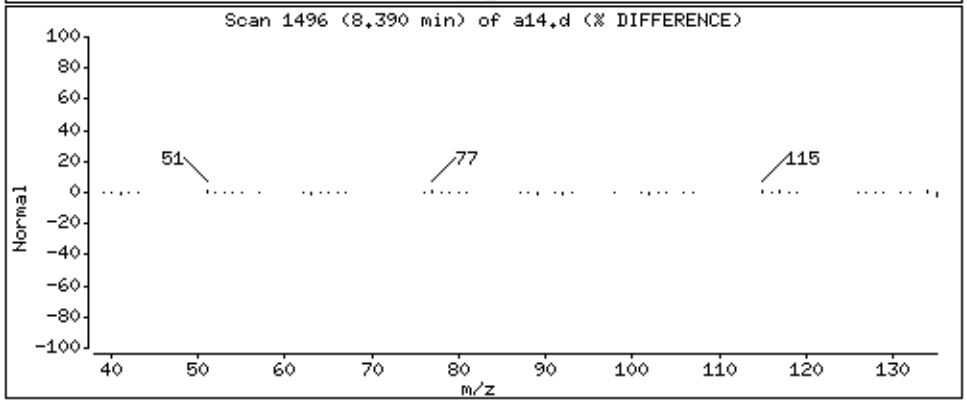












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

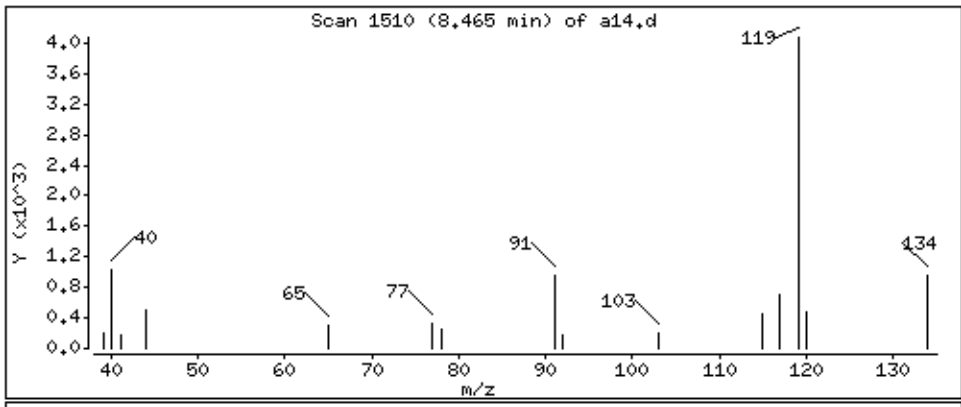
Operator: ala

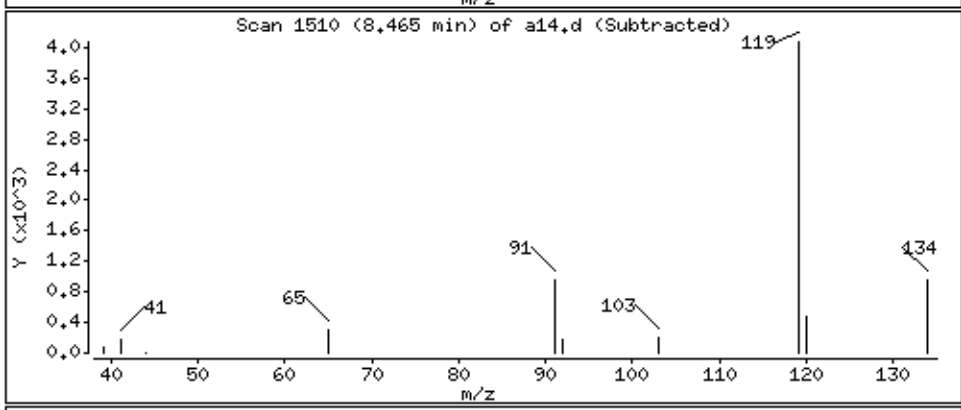
Column phase: DB-624

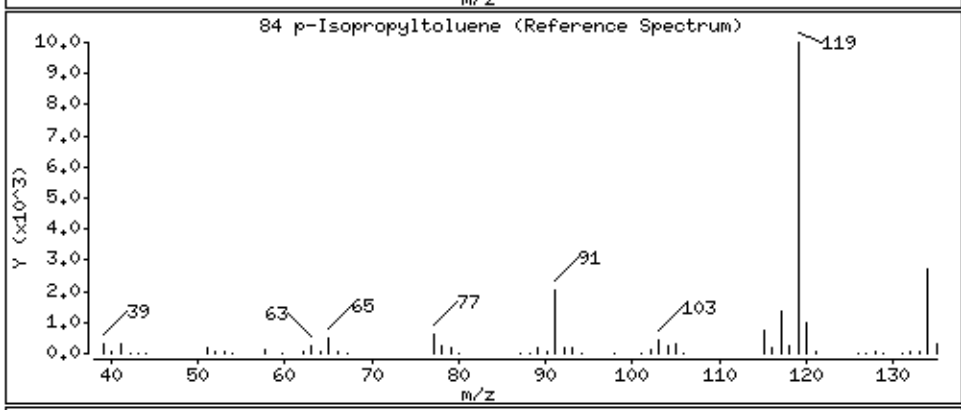
Column diameter: 0.18

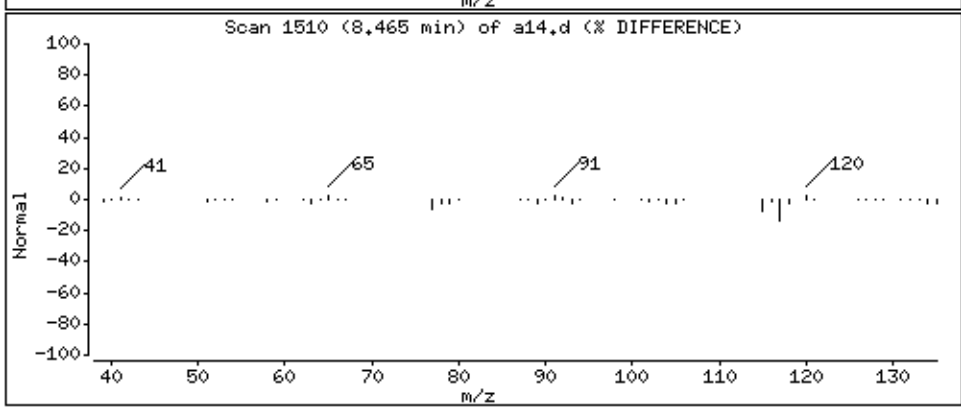
84 p-Isopropyltoluene

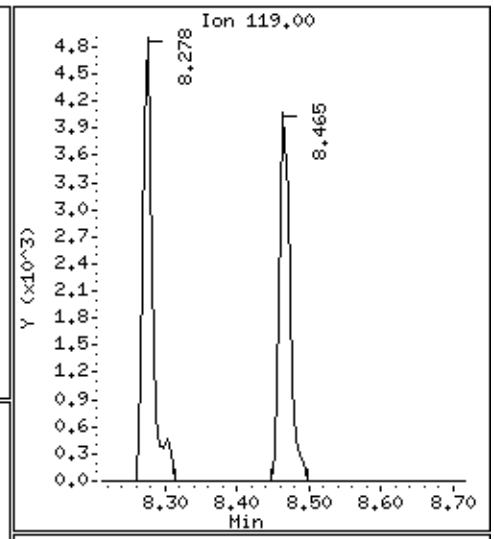
Concentration: 3.55 ppb

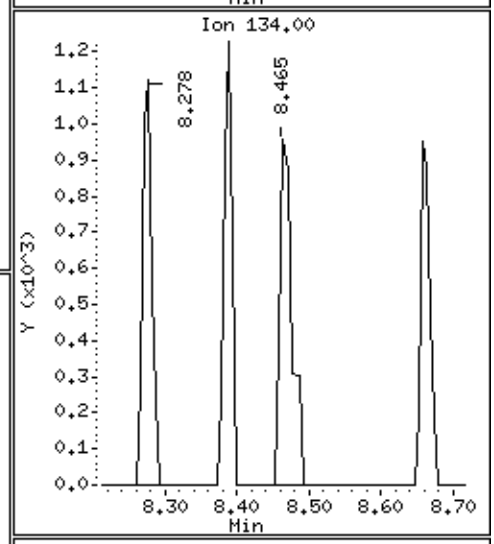


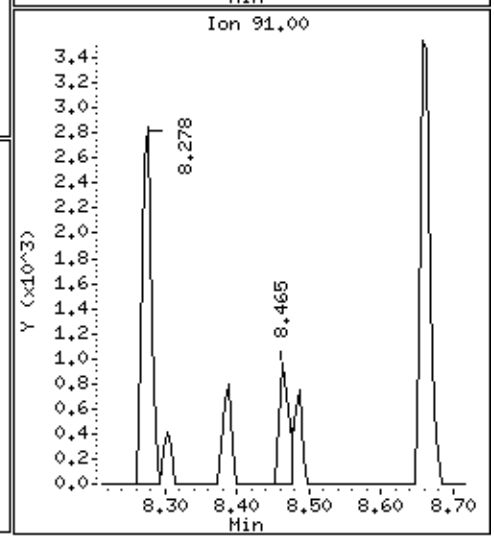












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Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

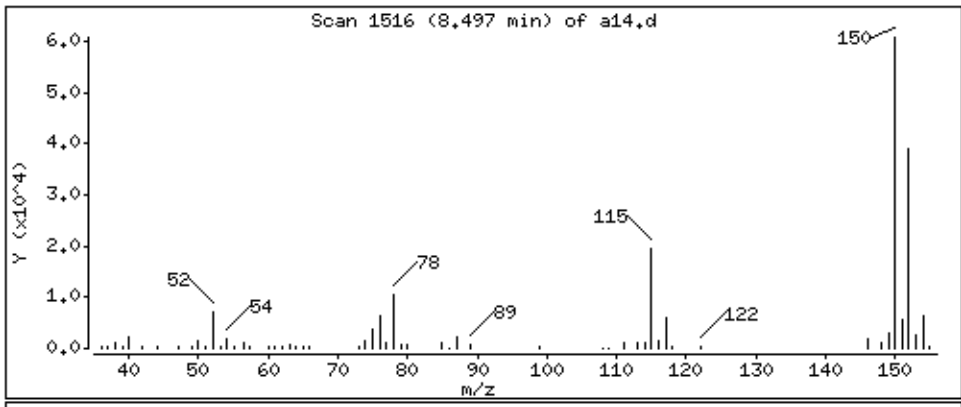
Operator: ala

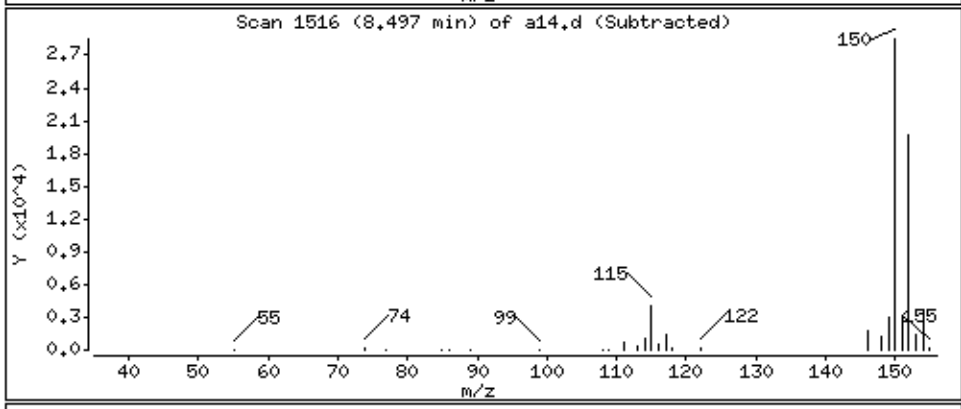
Column phase: DB-624

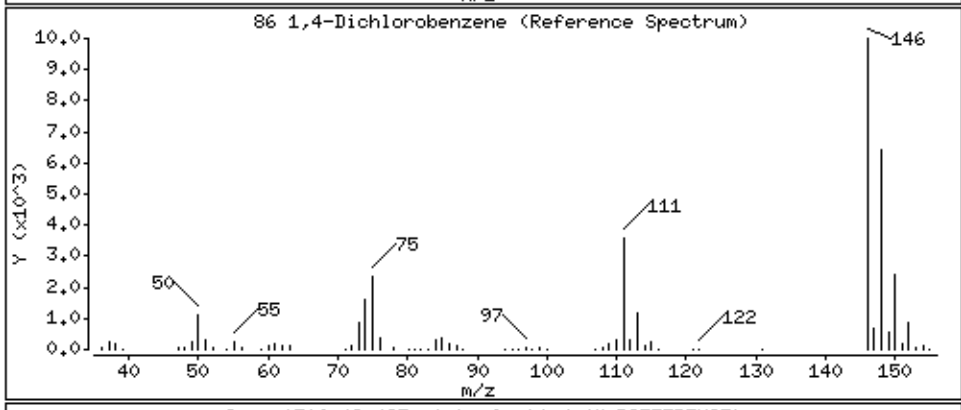
Column diameter: 0.18

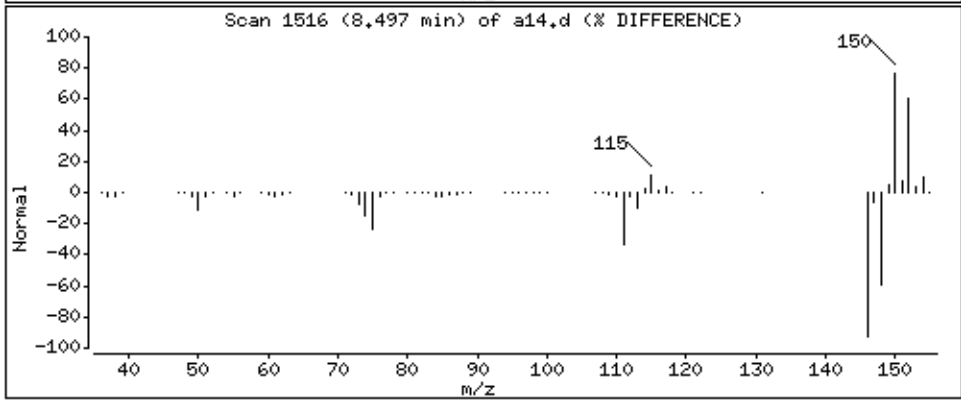
86 1,4-Dichlorobenzene

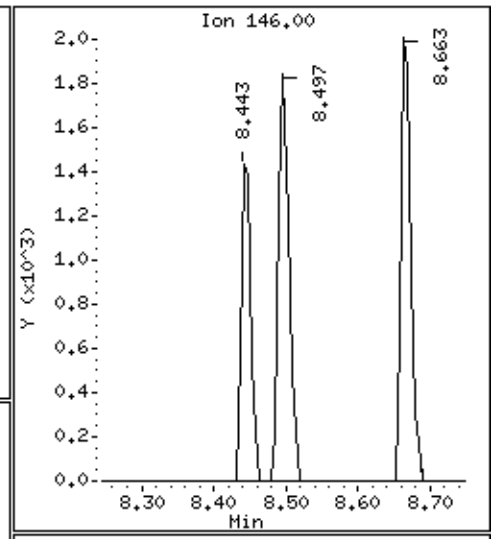
Concentration: 0.206 ppb

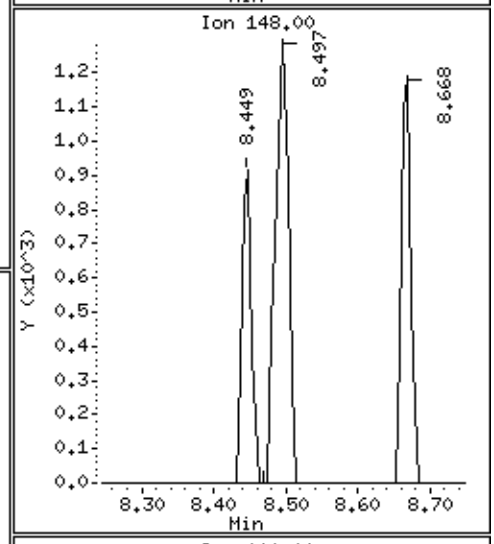


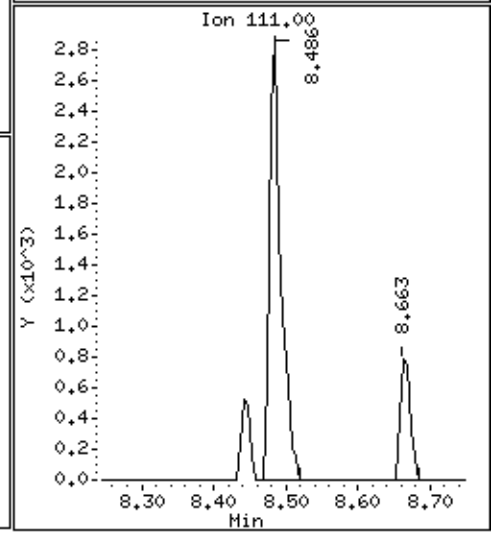












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

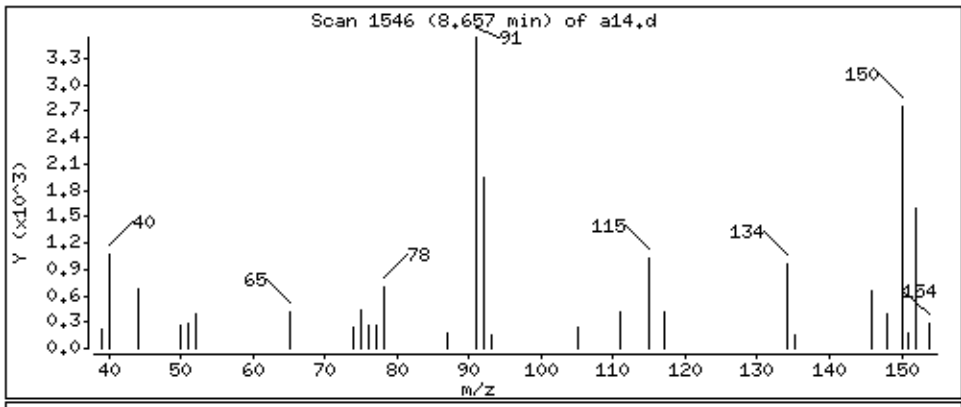
Operator: ala

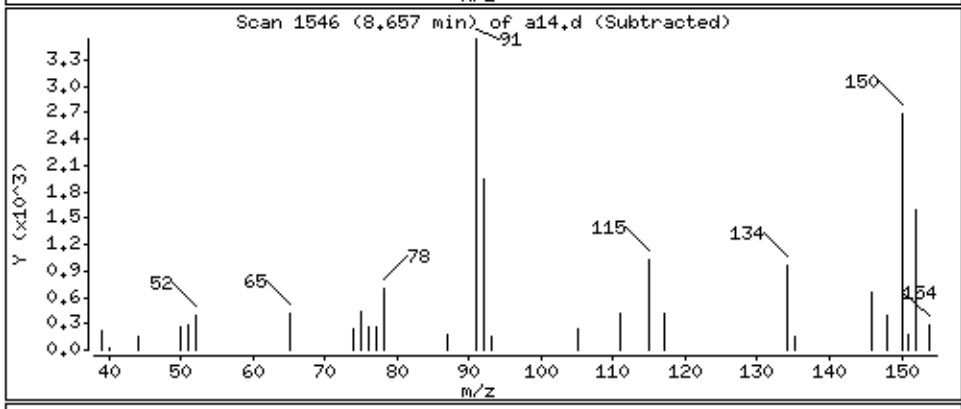
Column phase: DB-624

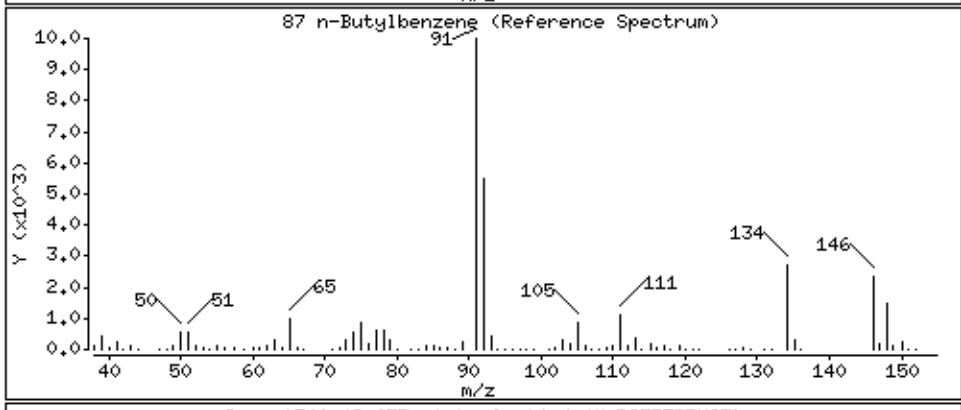
Column diameter: 0.18

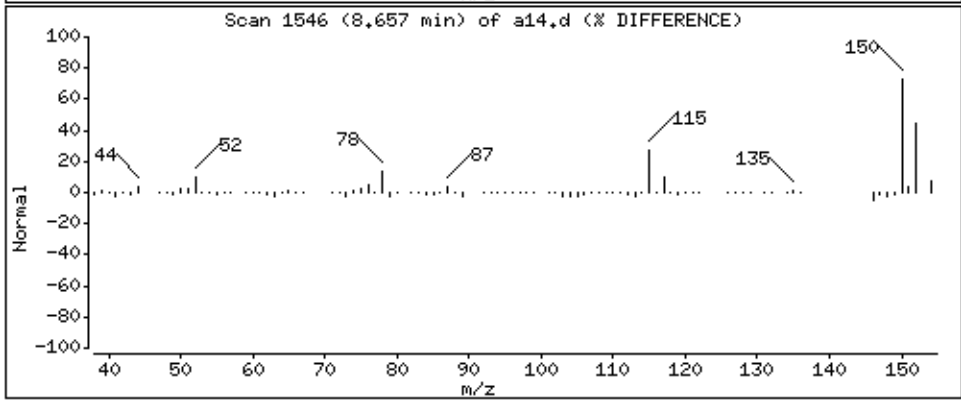
87 n-Butylbenzene

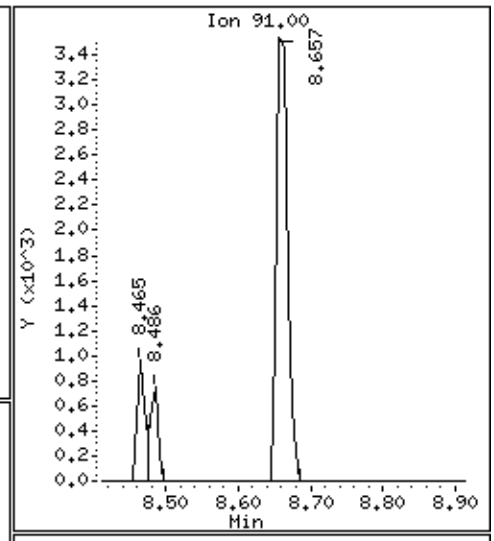
Concentration: 0.735 ppb

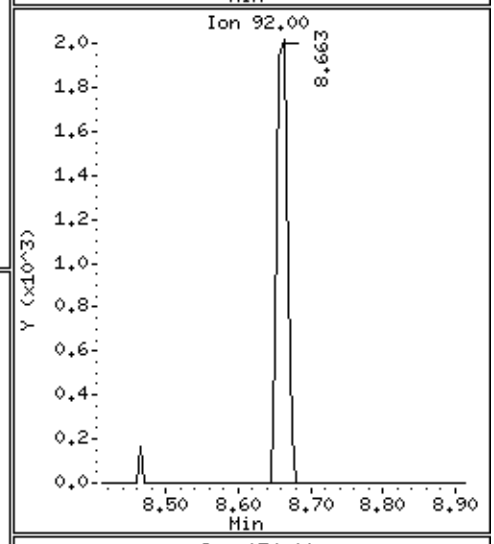


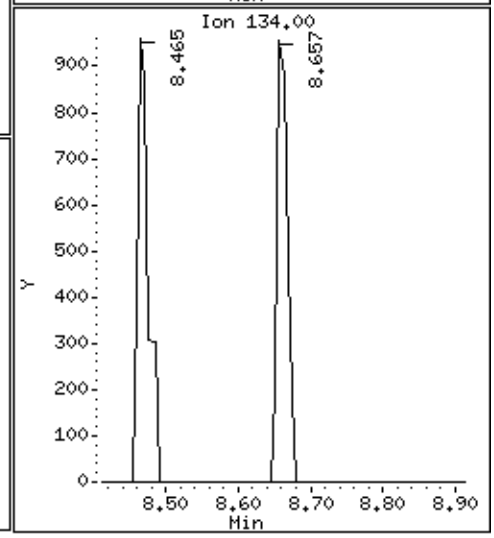












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a14.d

Date : 03-JUL-2014 23:18

Client ID: TMW-2 (3-5)

Instrument: 50mv6b.i

Sample Info: 5099765005

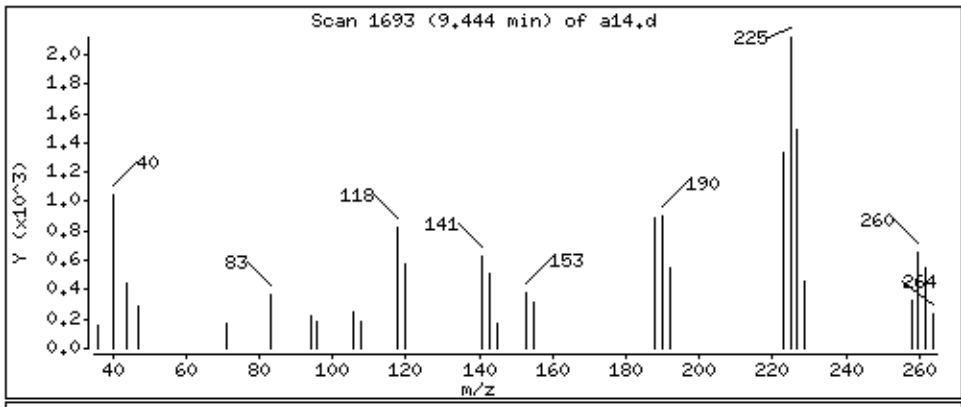
Operator: ala

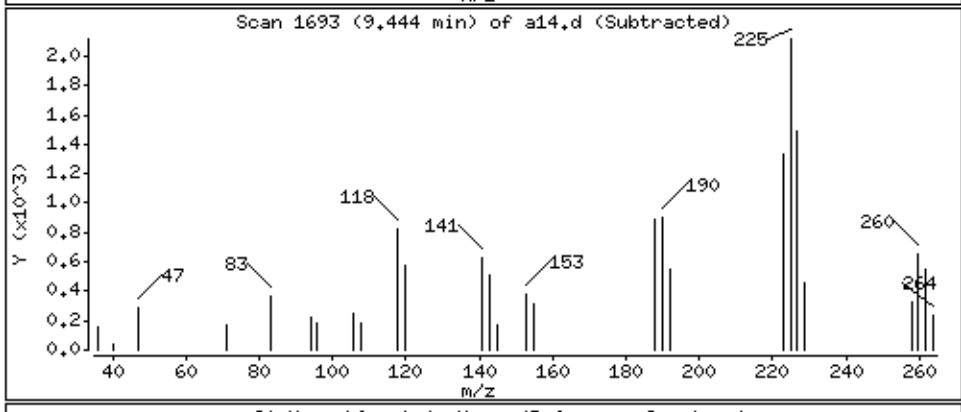
Column phase: DB-624

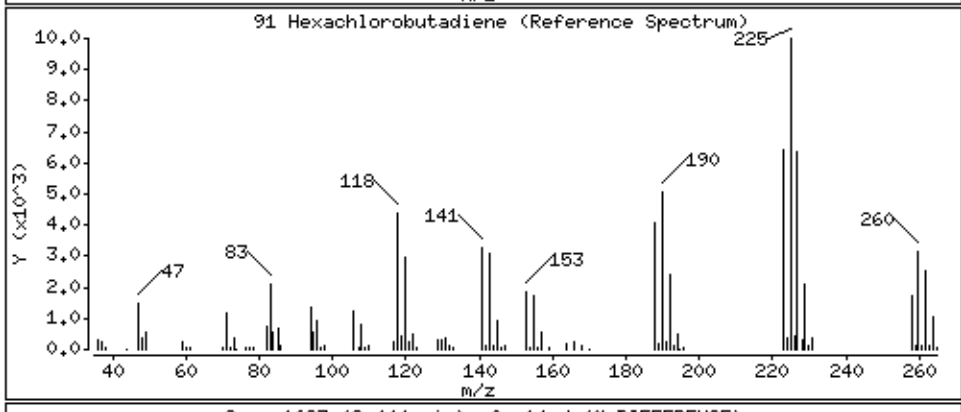
Column diameter: 0.18

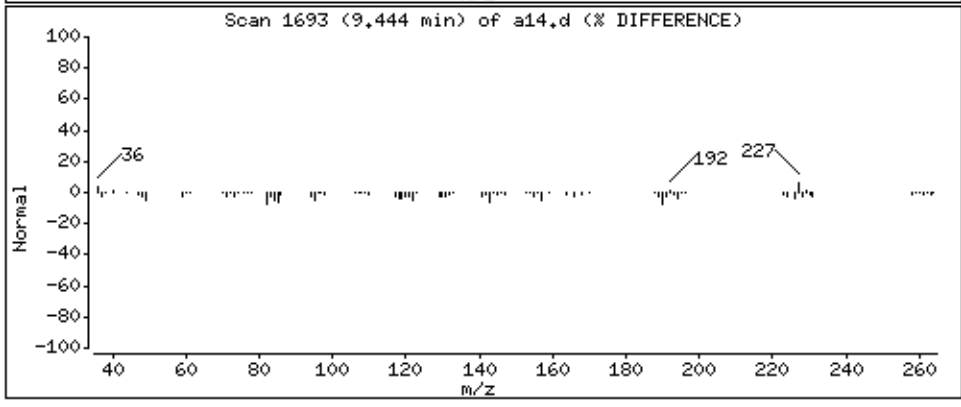
91 Hexachlorobutadiene

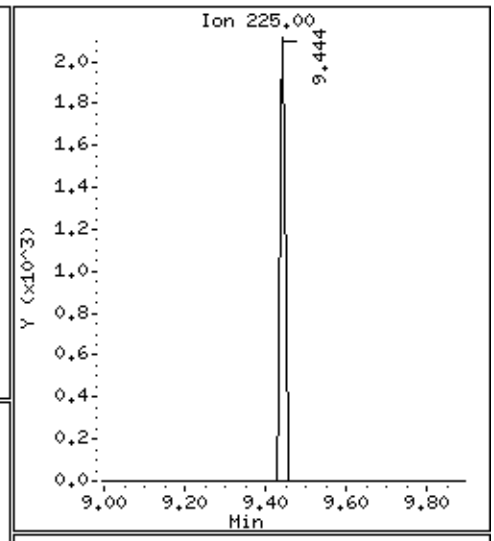
Concentration: 0.767 ppb

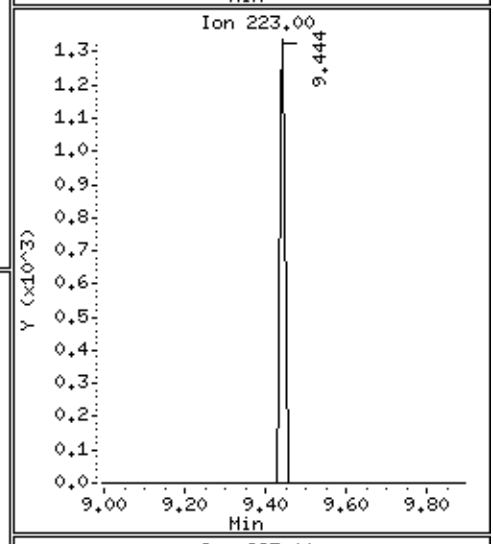


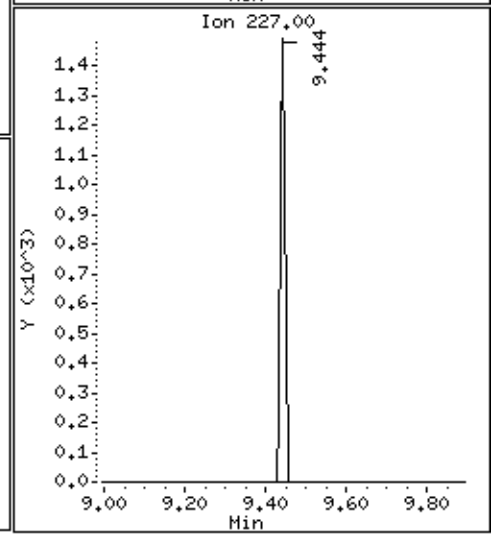












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a14.d
Injection Date: 03-JUL-2014 23:18
Instrument: 50mv6b.i
Lab Sample ID: 5099765005
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

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

TMW-2 (13-15)

Lab Name: Pace Analytical - Indiana | Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10 | Matrix: Solid | SDG No.: 5099765
Date Extracted: 07/03/2014 23:45 | Lab Sample ID: 5099765006
Date Analyzed: 07/03/2014 23:45 | Lab File ID: B070314CAL.B\A15.D
Initial wt/vol: 5.102 g | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV6B | Percent Moisture: 16.3%

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

SAMPLE NO.

TMW-2 (13-15)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 23:45 Lab Sample ID: 5099765006

Date Analyzed: 07/03/2014 23:45 Lab File ID: B070314CAL.B\A15.D

Initial wt/vol: 5.102 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 16.3%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d
Lab Smp Id: 5099765006 Client Smp ID: TMW-2 (13-15)
Inj Date : 03-JUL-2014 23:45
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765006
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	16.336	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

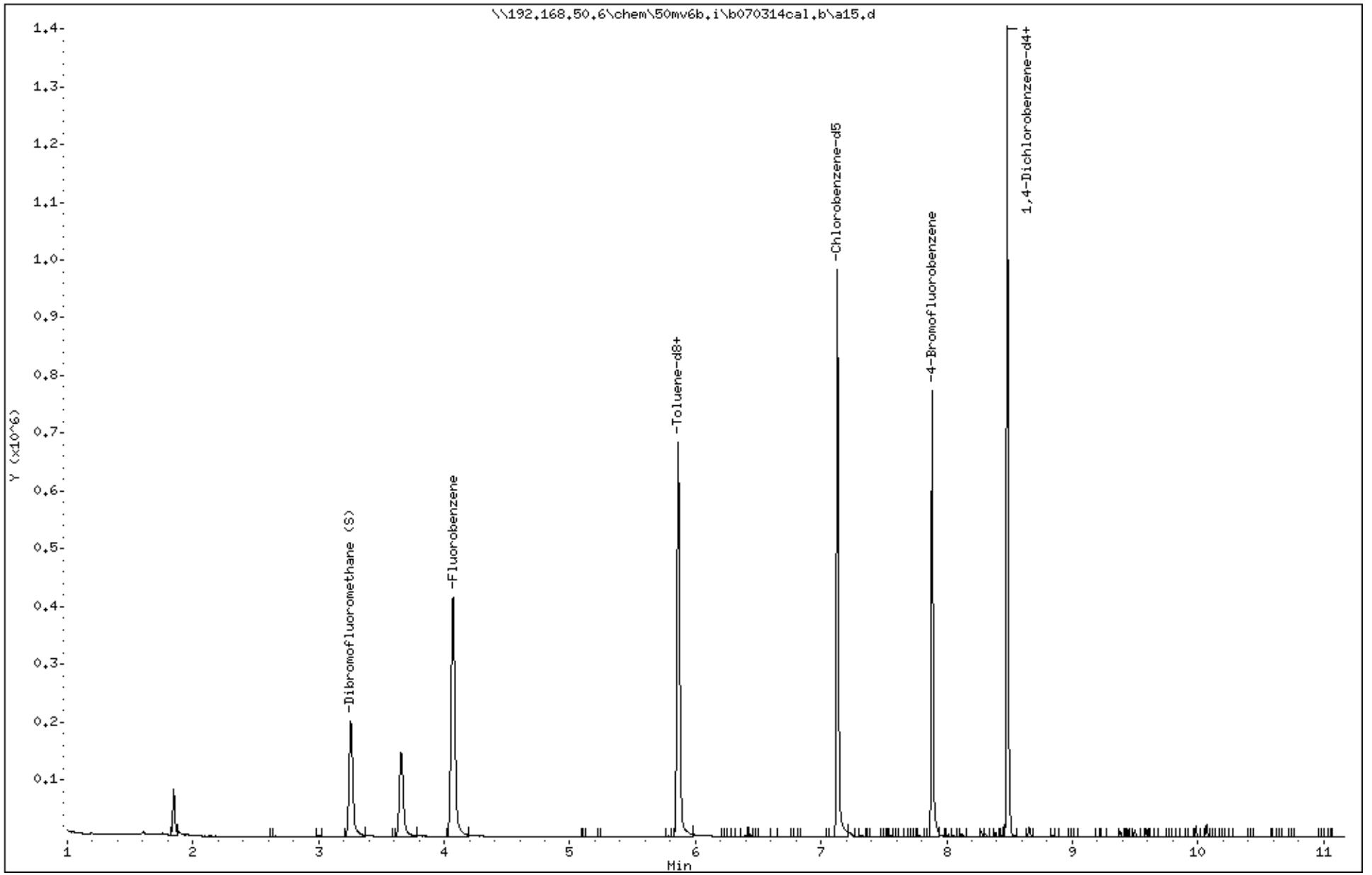
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.847	1.841	(0.454)	28270	1.26935	1.52
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.799)	138398	54.9392	65.7
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	486418	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	429602	46.5146	55.6
	52 Toluene	91	5.934	5.928	(0.832)	1401	0.09886	0.118
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	391910	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	165295	52.7449	63.0
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	1935	3.02190	3.61
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	2020	2.77448	3.32
	82 sec-Butylbenzene	105	8.389	8.389	(0.989)	3992	3.62041	4.33
	84 p-Isopropyltoluene	119	8.464	8.464	(0.997)	2676	3.25526	3.89
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	220929	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	1330	0.15303	0.183(Q)
	87 n-Butylbenzene	91	8.662	8.662	(1.021)	2471	0.61268	0.732
	91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	1338	0.53101	0.635

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d
Date : 03-JUL-2014 23:45
Client ID: TMW-2 (13-15)
Sample Info: 5099765006

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d

Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

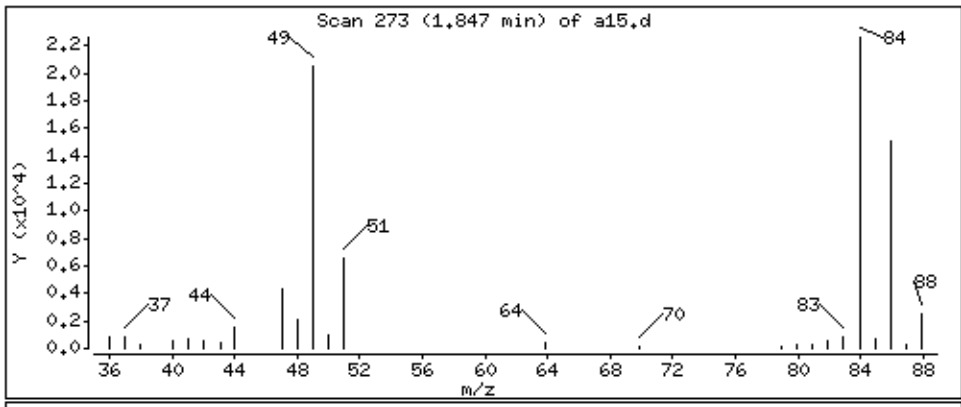
Operator: ala

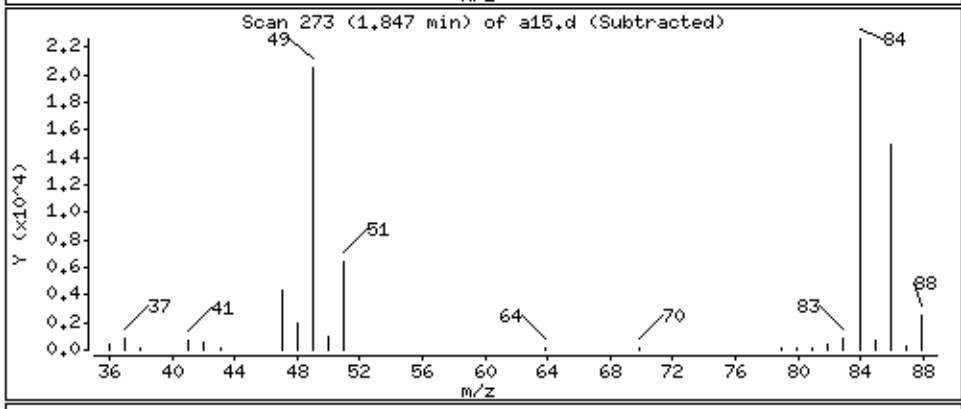
Column phase: DB-624

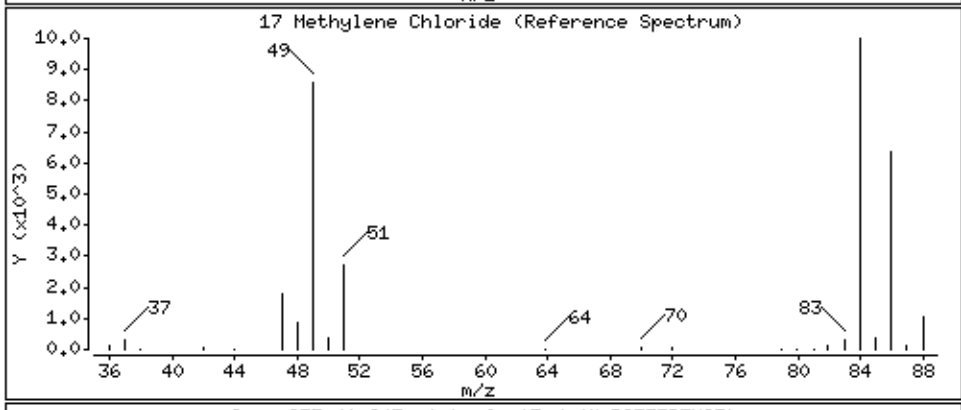
Column diameter: 0.18

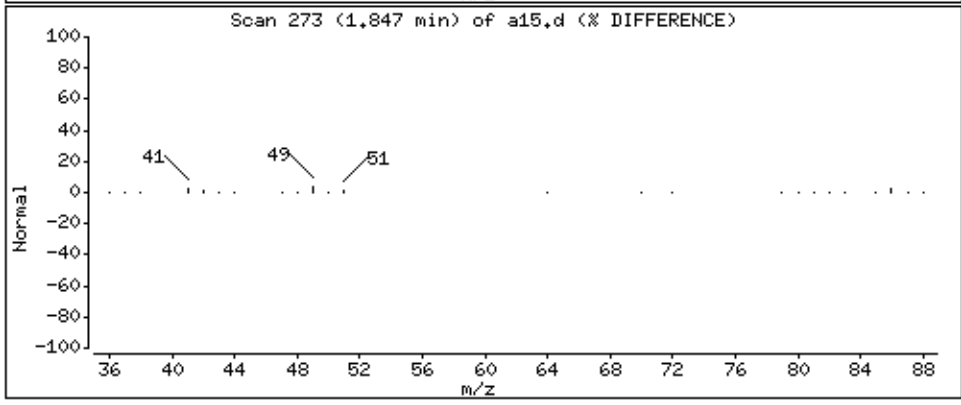
17 Methylene Chloride

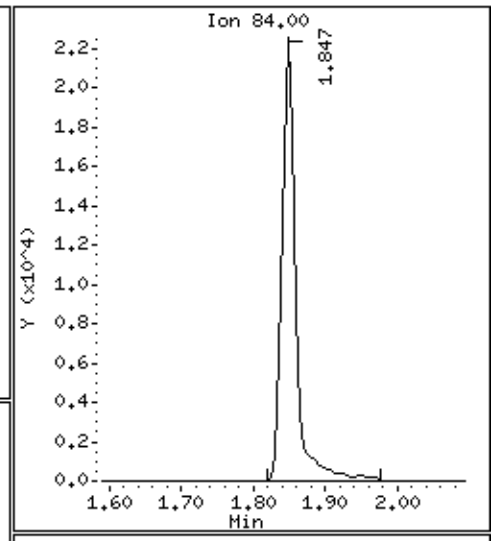
Concentration: 1.52 ppb

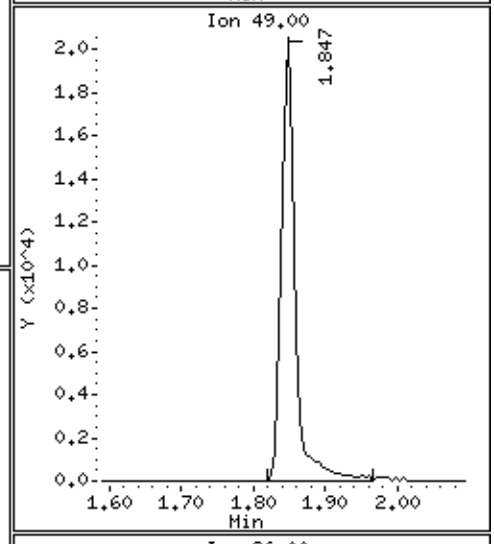


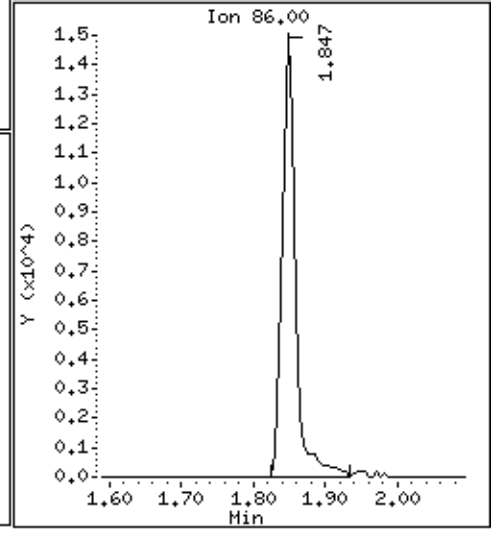












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Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

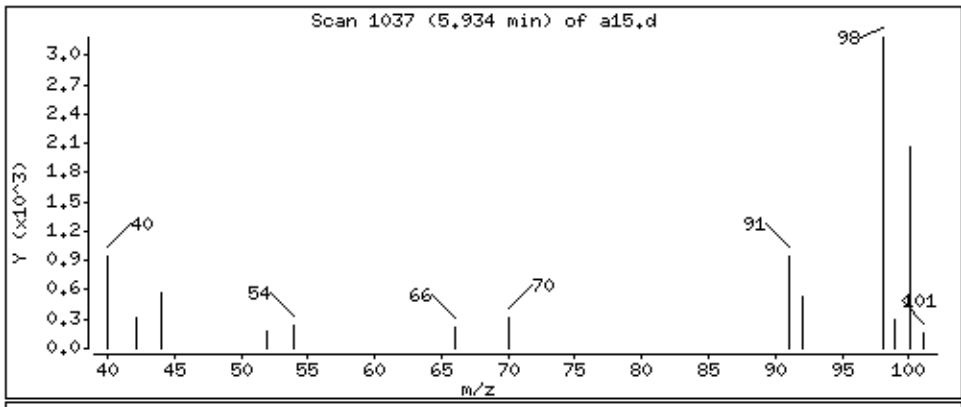
Operator: ala

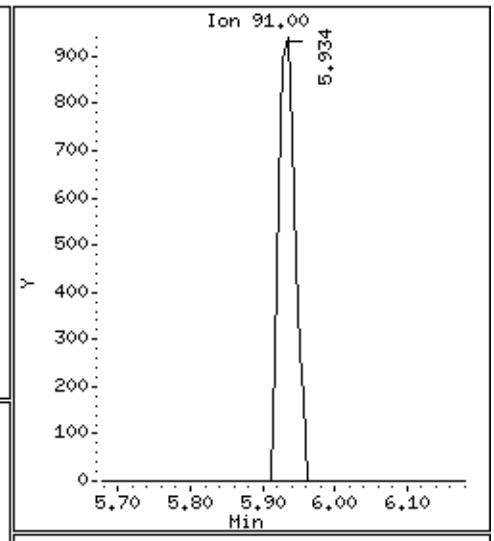
Column phase: DB-624

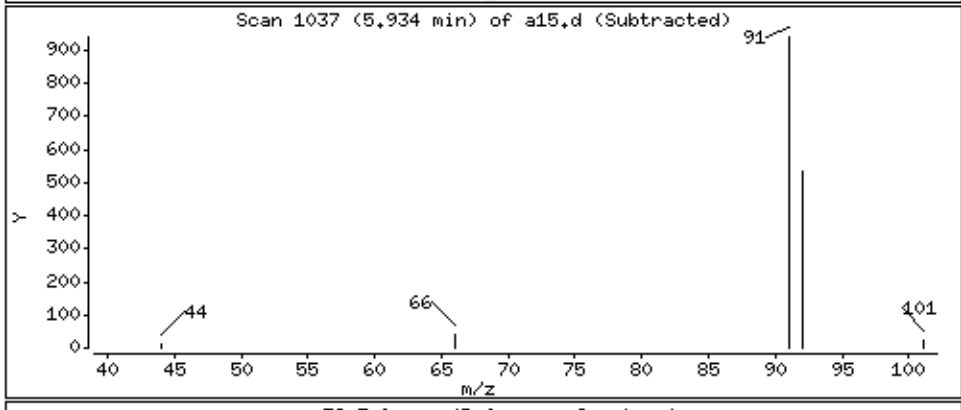
Column diameter: 0.18

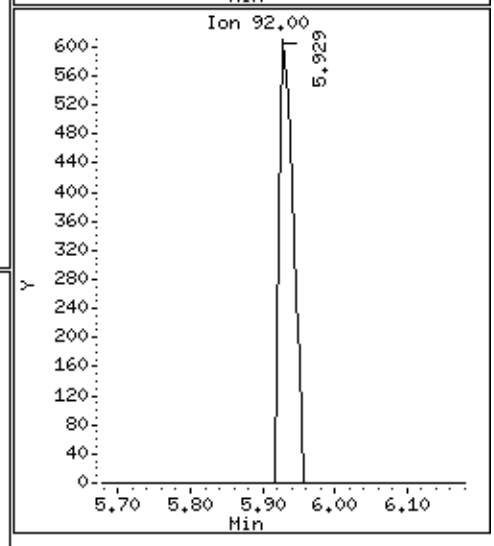
52 Toluene

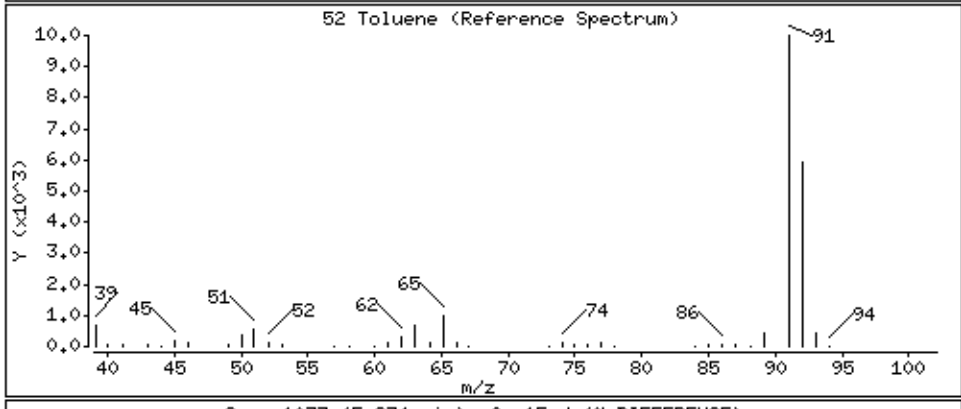
Concentration: 0.118 ppb

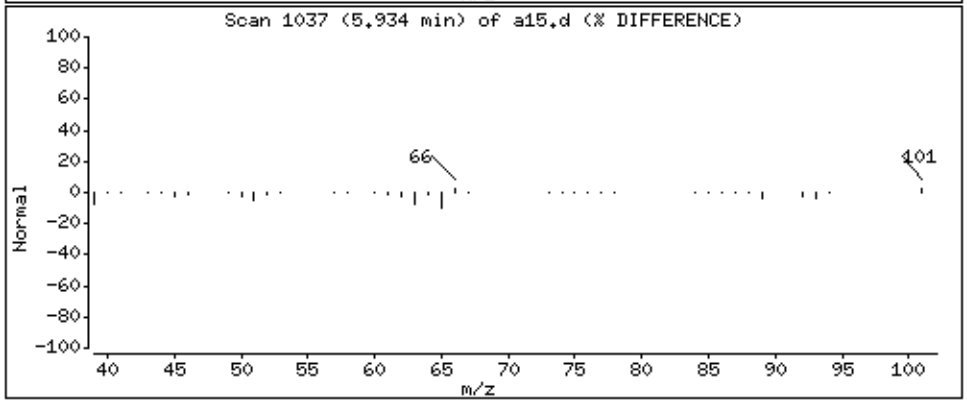












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Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

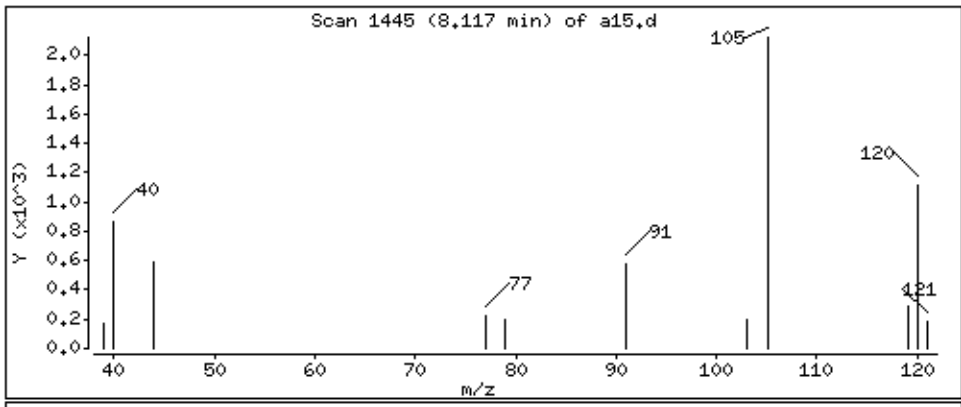
Operator: ala

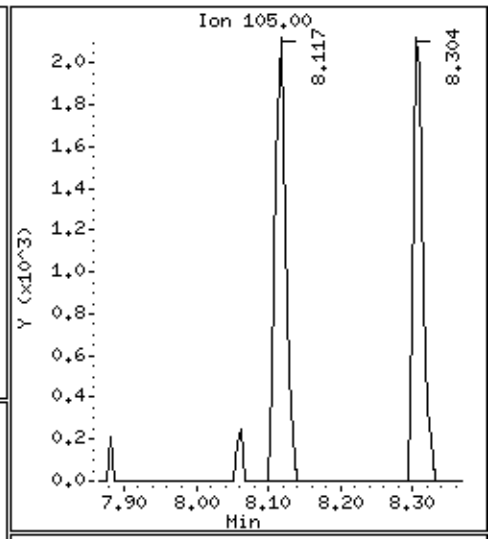
Column phase: DB-624

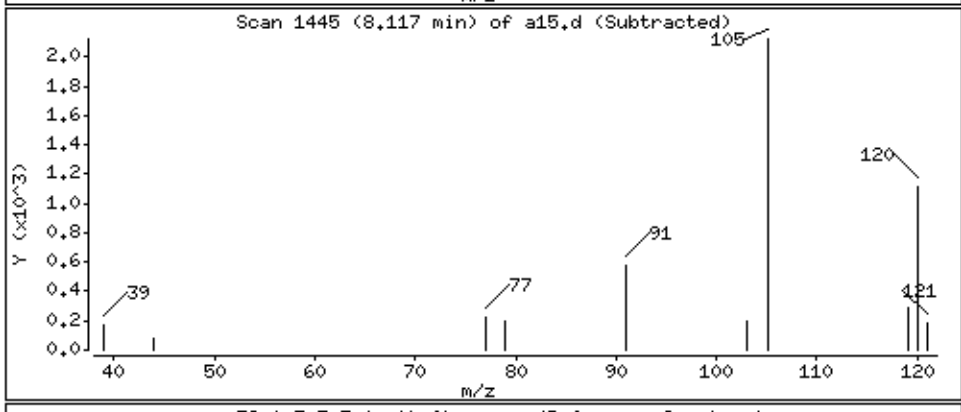
Column diameter: 0.18

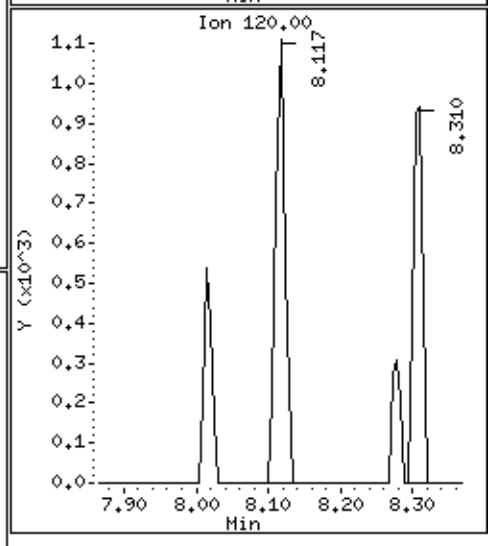
78 1,3,5-Trimethylbenzene

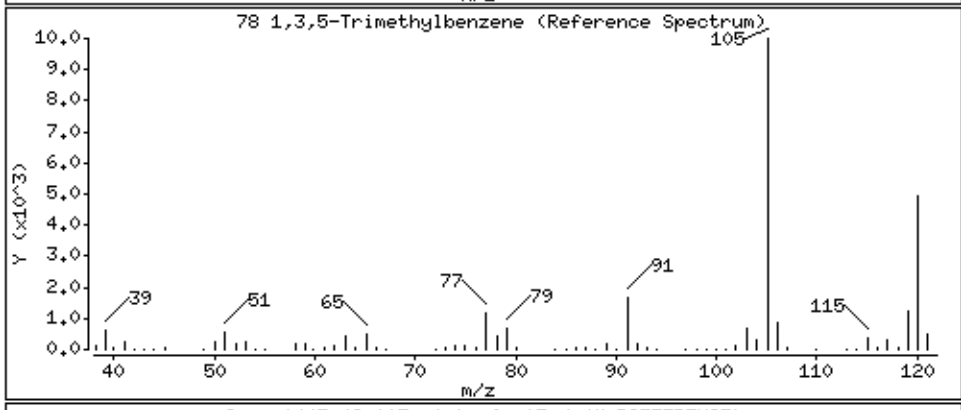
Concentration: 3.61 ppb

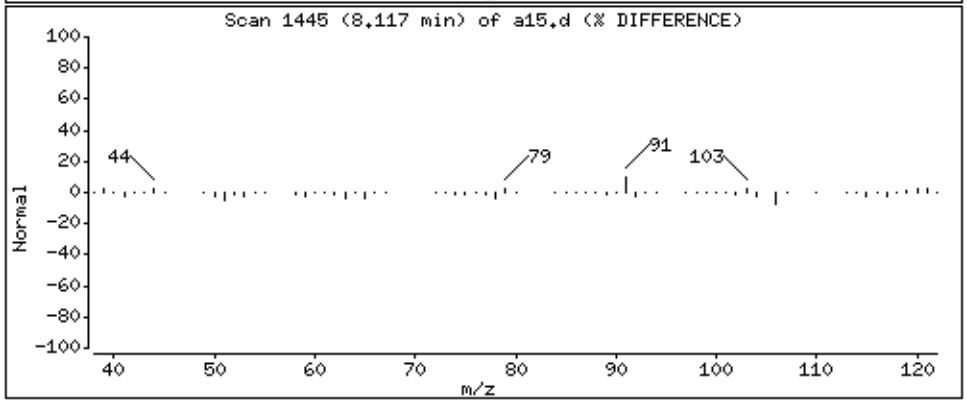












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d

Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

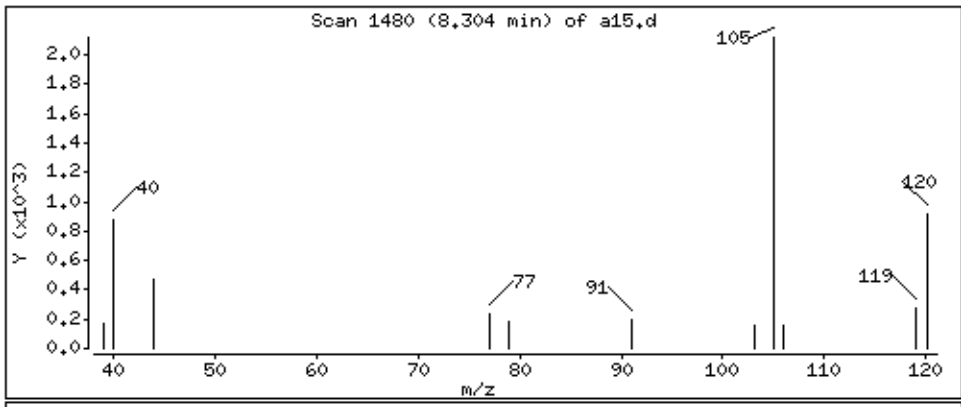
Operator: ala

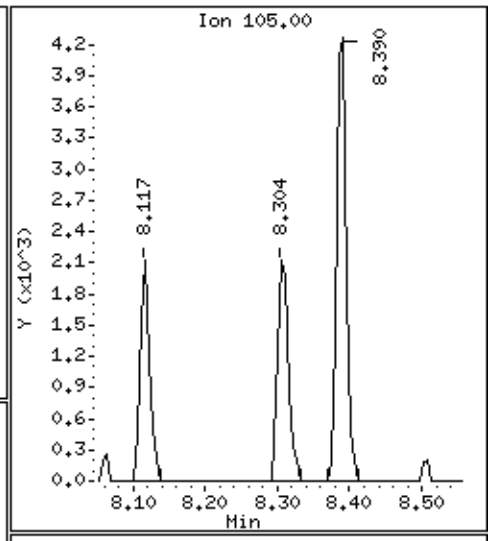
Column phase: DB-624

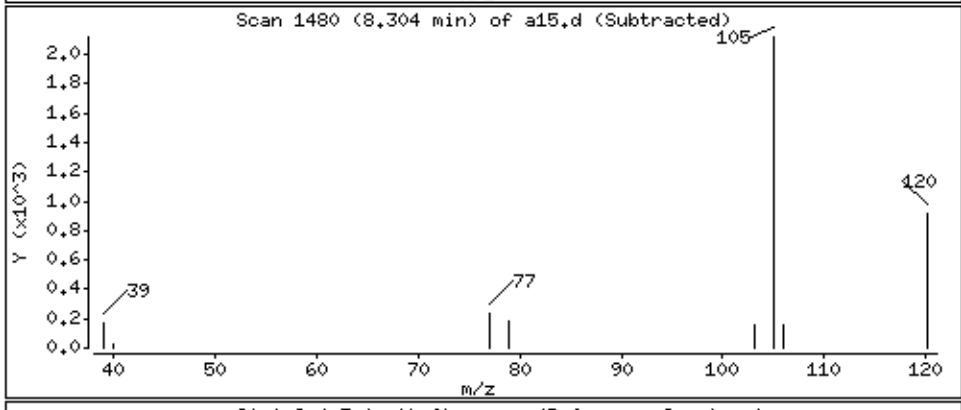
Column diameter: 0.18

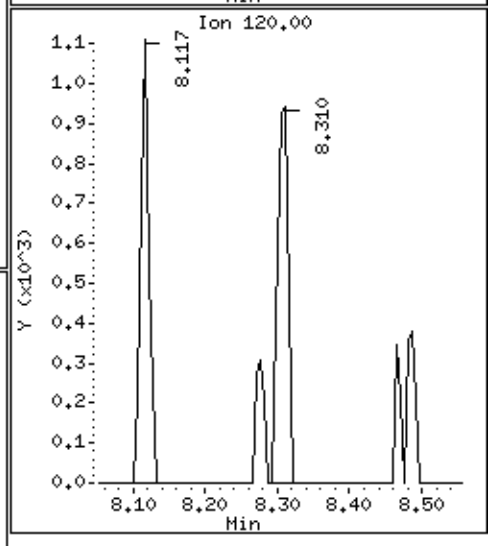
81 1,2,4-Trimethylbenzene

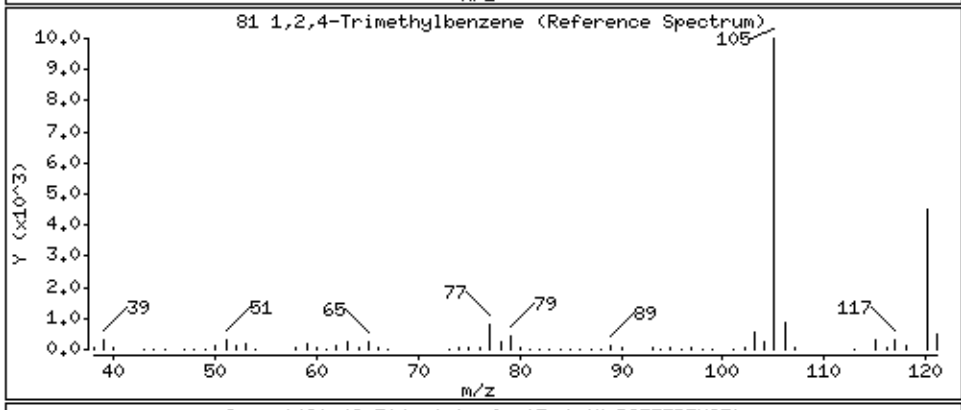
Concentration: 3.32 ppb

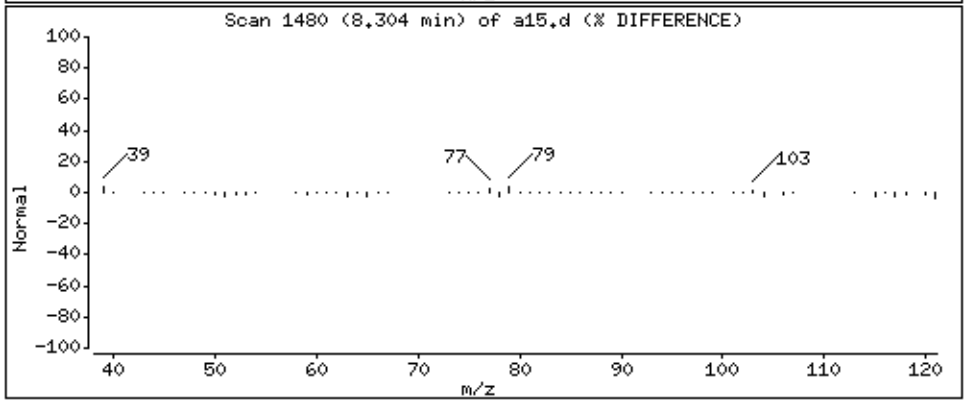












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d

Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

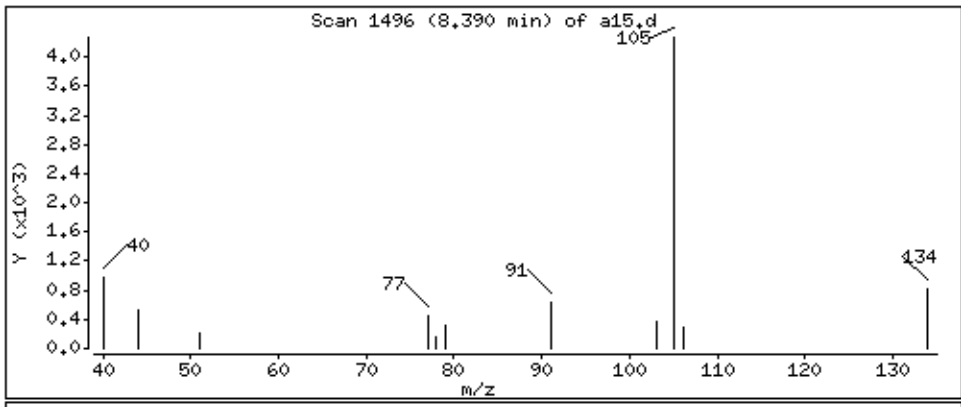
Operator: ala

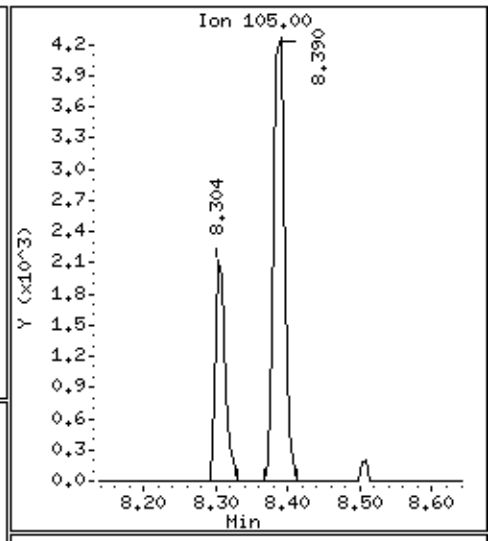
Column phase: DB-624

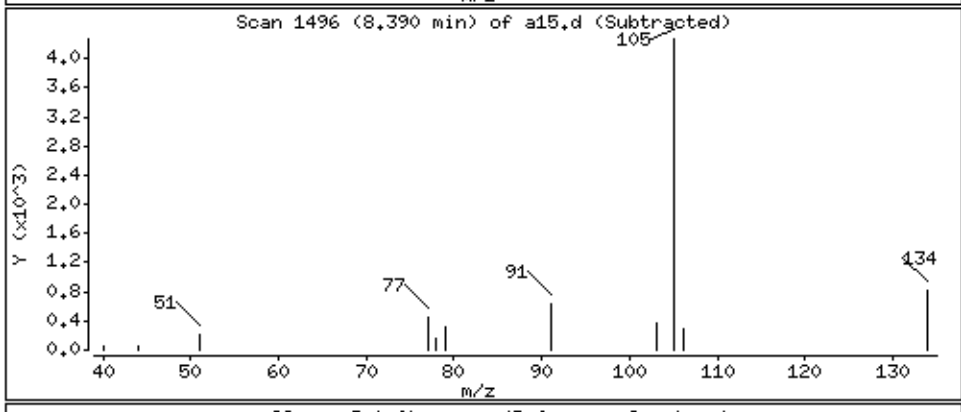
Column diameter: 0.18

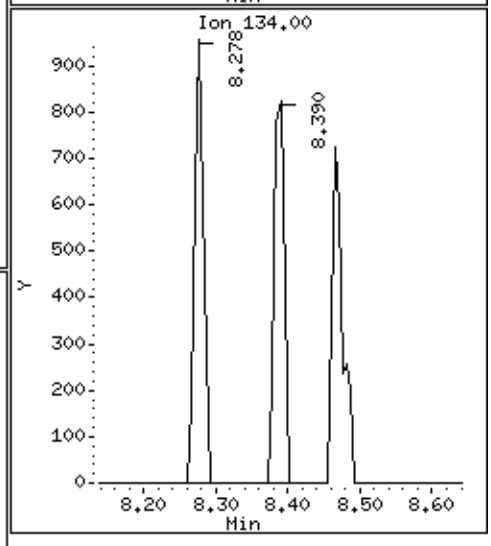
82 sec-Butylbenzene

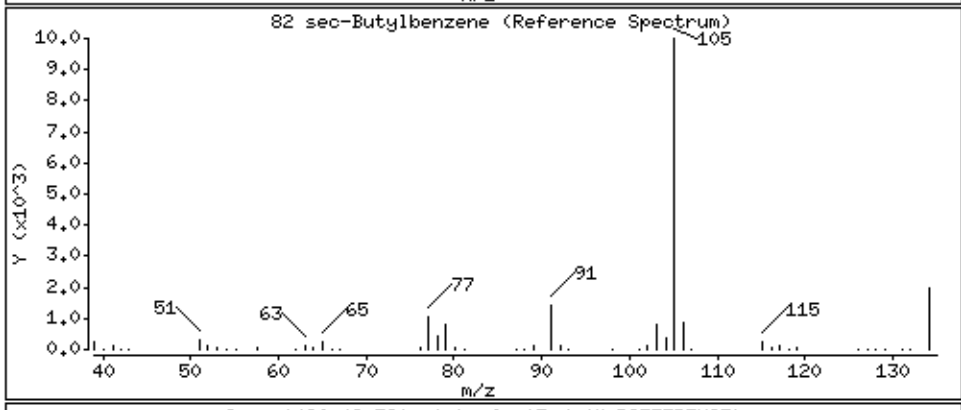
Concentration: 4.33 ppb

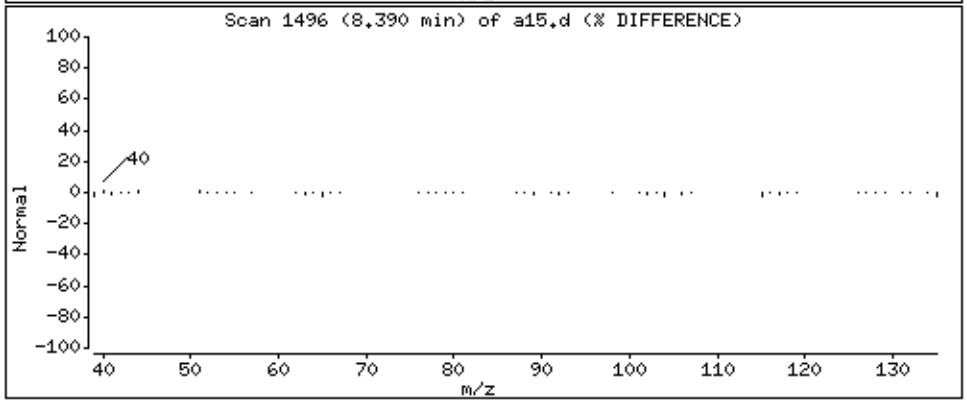












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d

Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

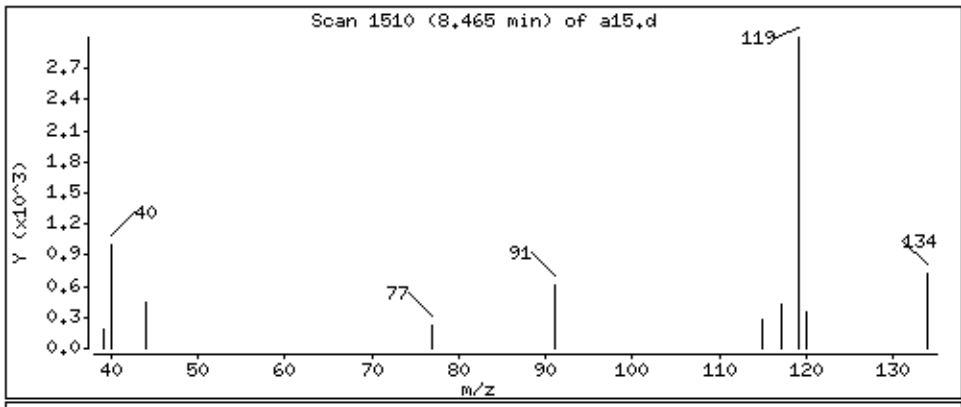
Operator: ala

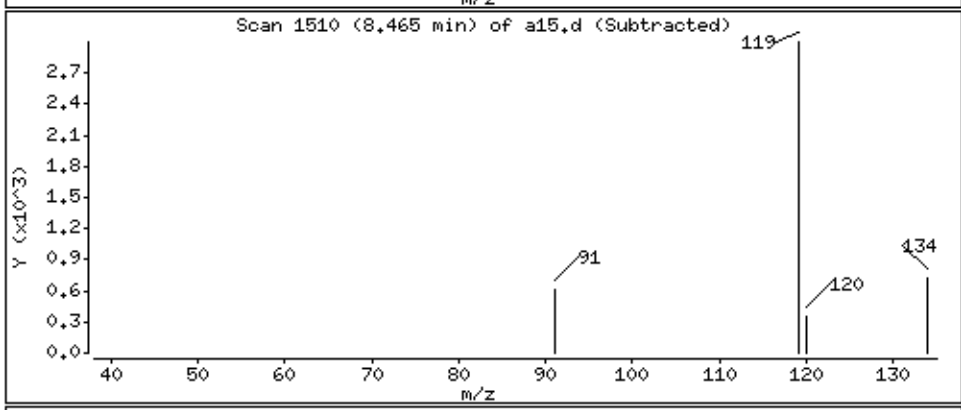
Column phase: DB-624

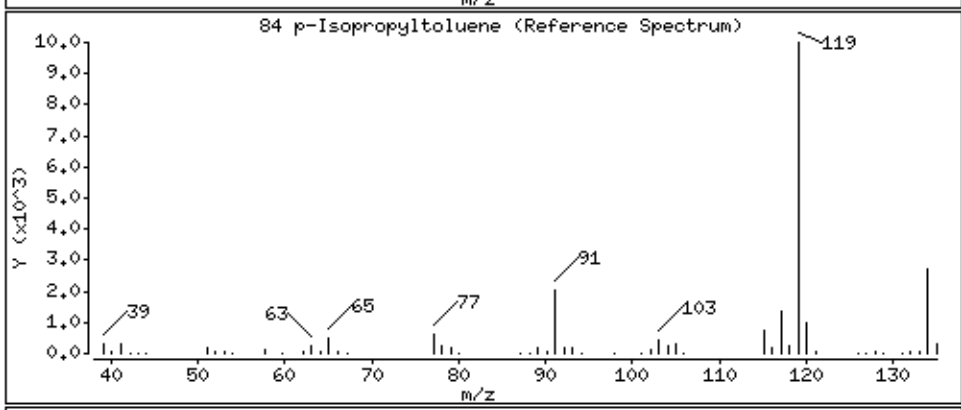
Column diameter: 0.18

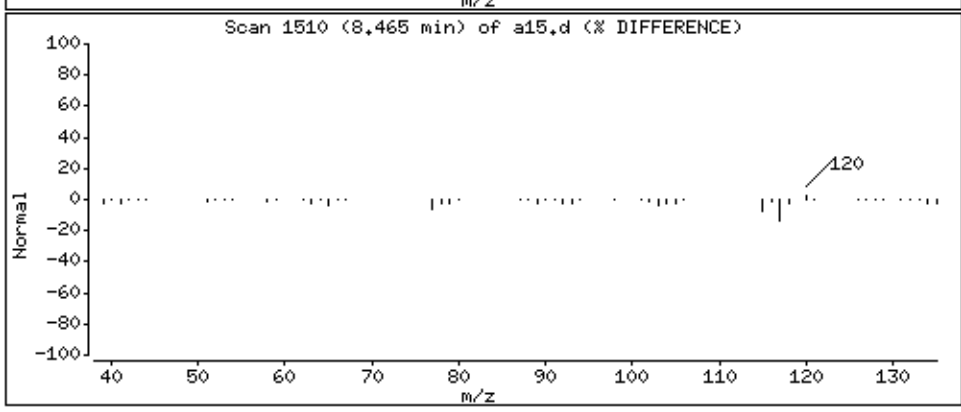
84 p-Isopropyltoluene

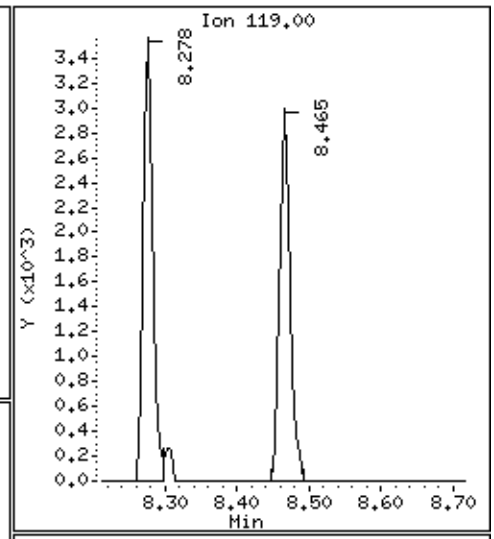
Concentration: 3.89 ppb

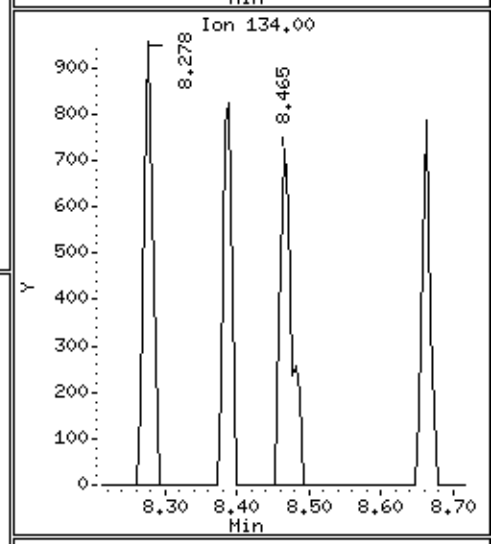


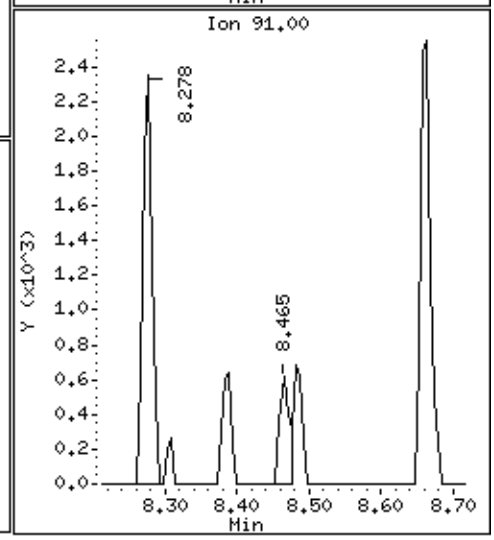












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Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

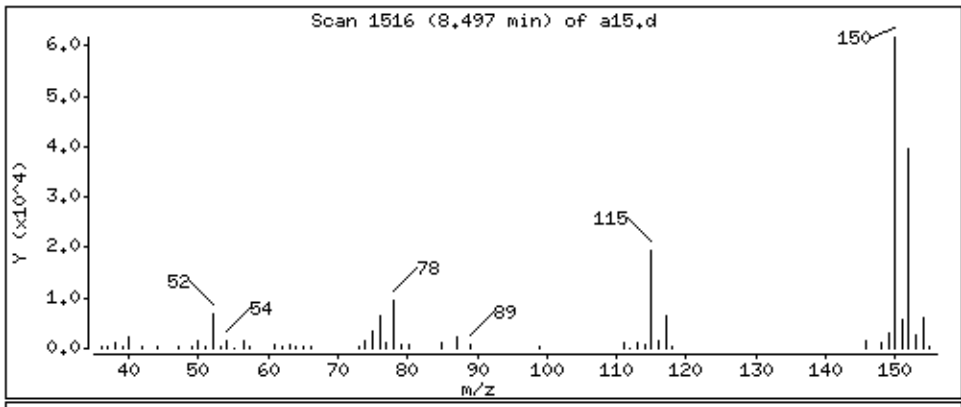
Operator: ala

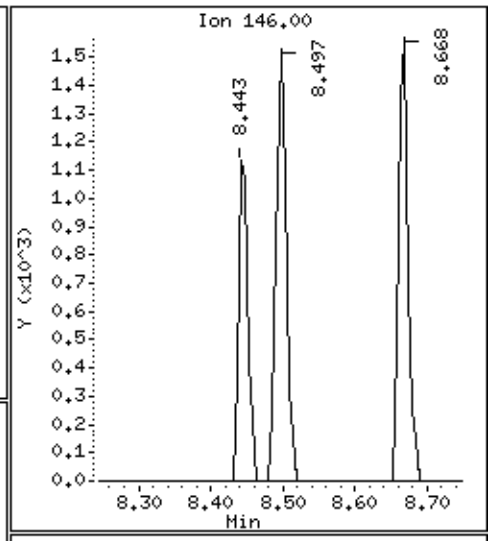
Column phase: DB-624

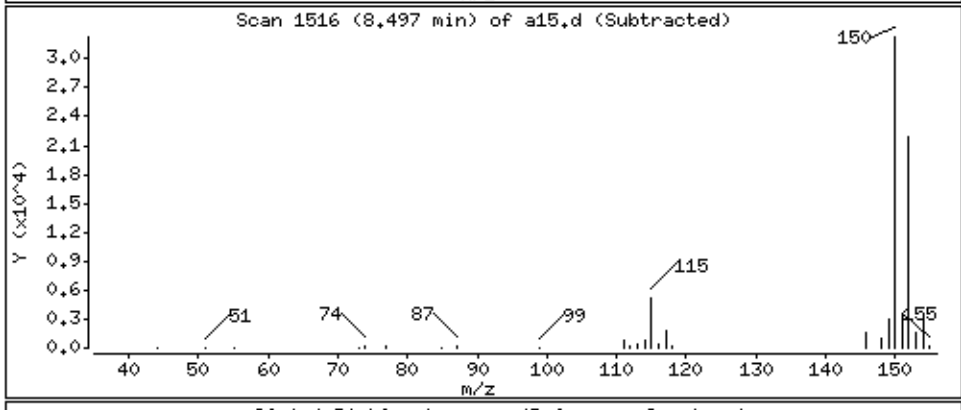
Column diameter: 0.18

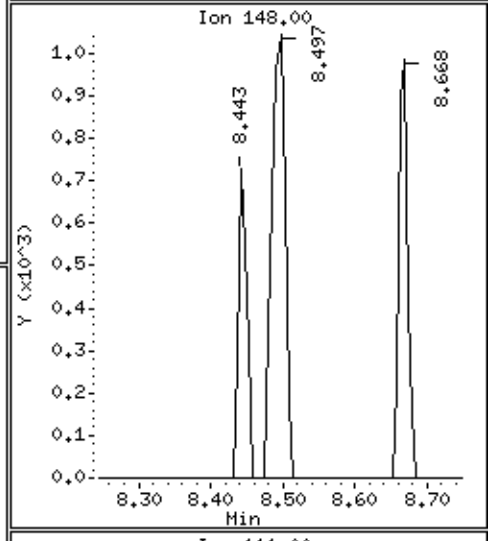
86 1,4-Dichlorobenzene

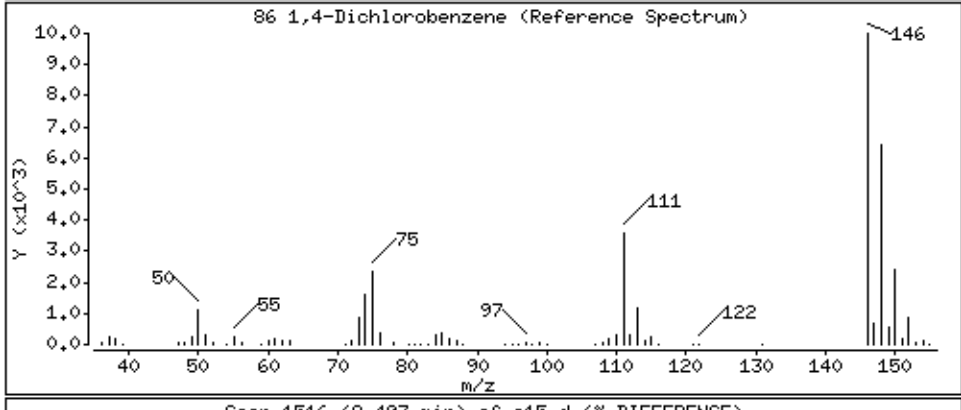
Concentration: 0.183 ppb

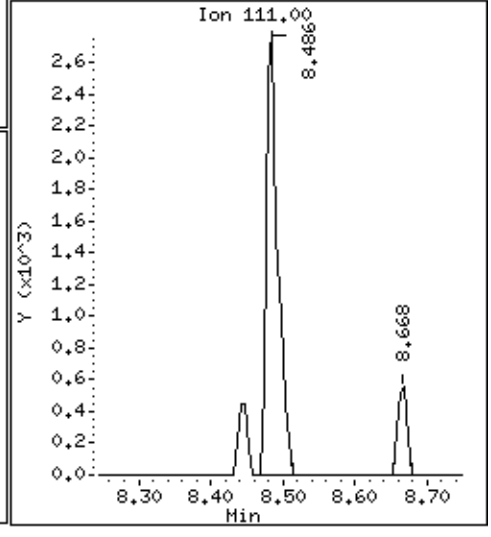


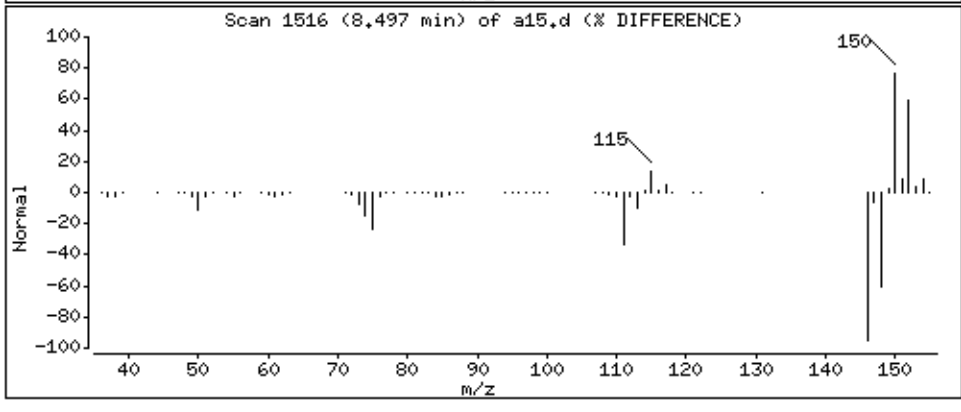












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Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

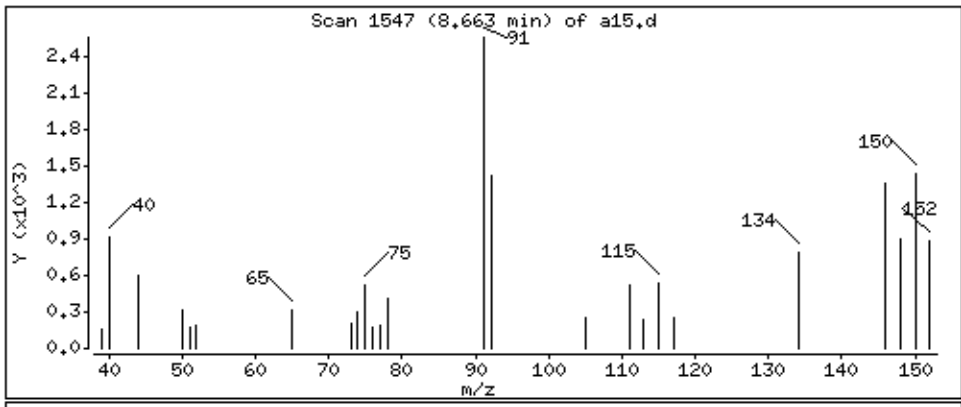
Operator: ala

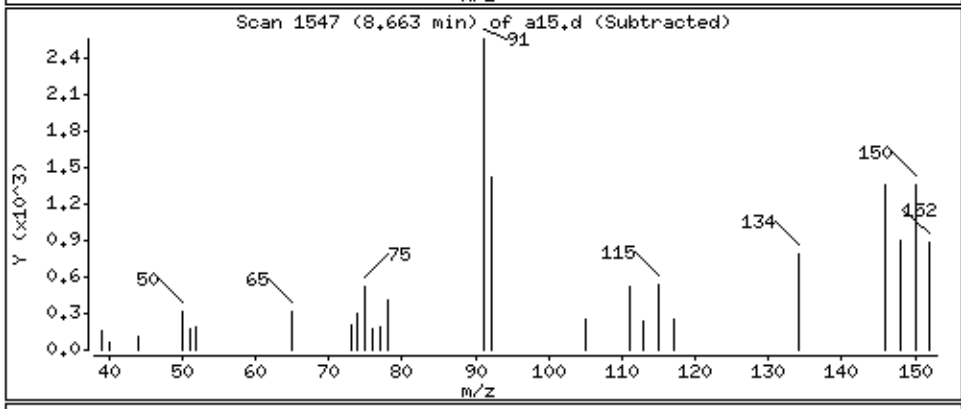
Column phase: DB-624

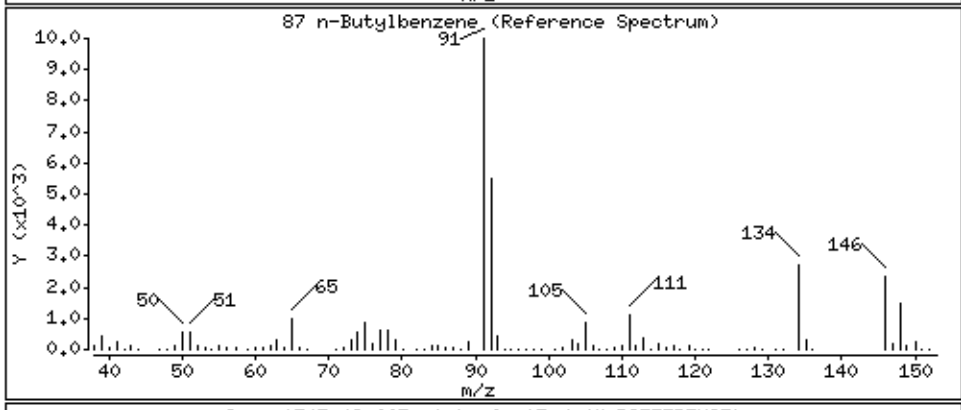
Column diameter: 0.18

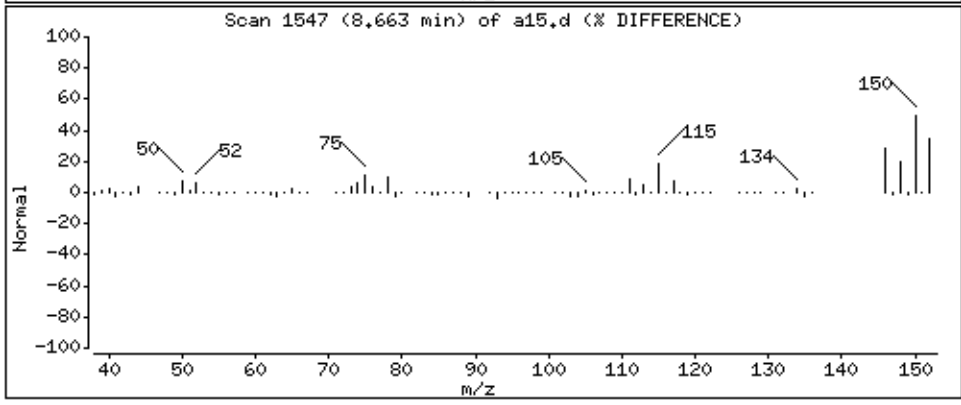
87 n-Butylbenzene

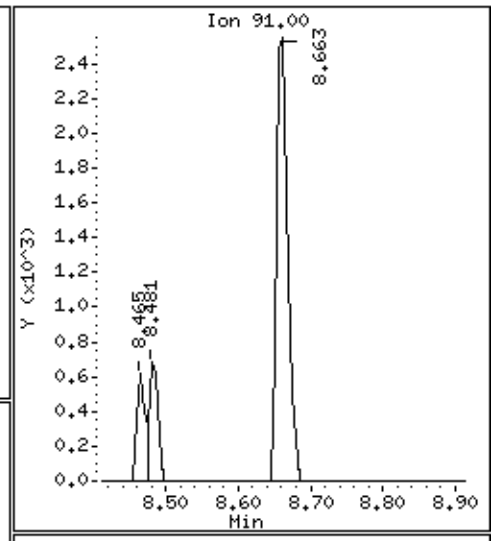
Concentration: 0.732 ppb

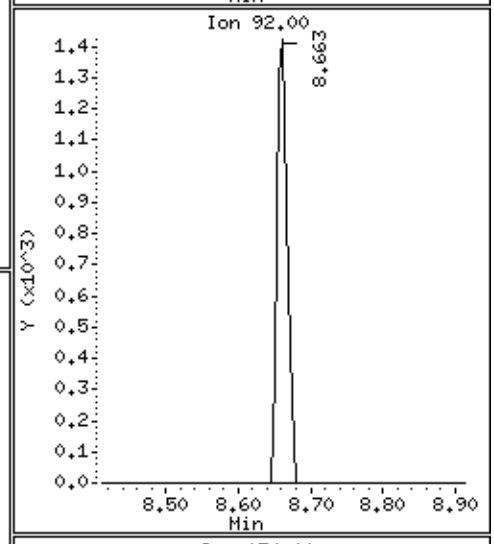


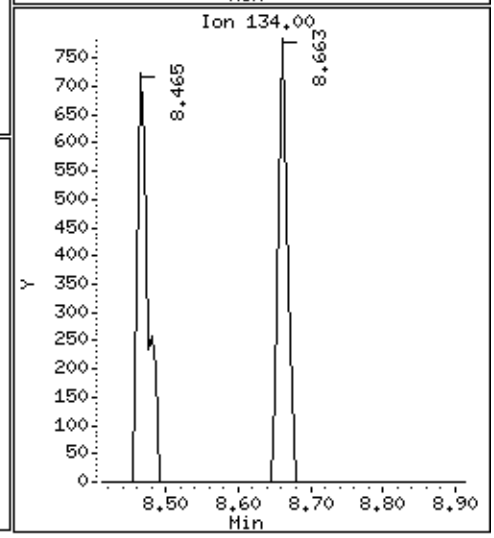












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a15.d

Date : 03-JUL-2014 23:45

Client ID: TMW-2 (13-15)

Instrument: 50mv6b.i

Sample Info: 5099765006

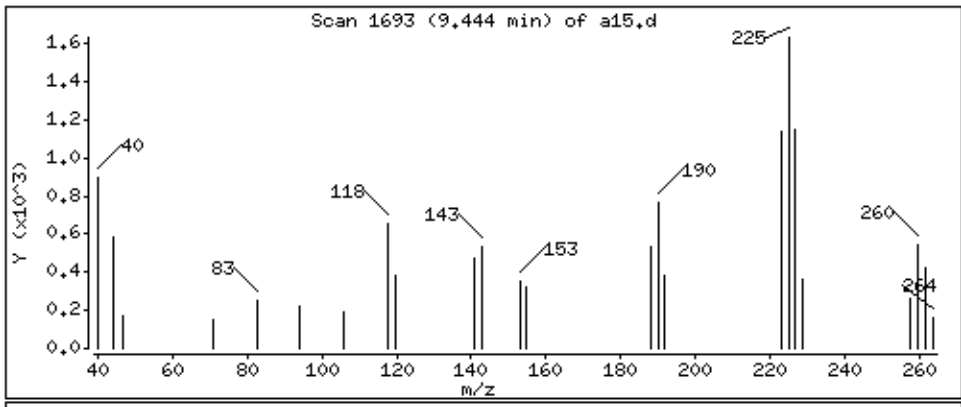
Operator: ala

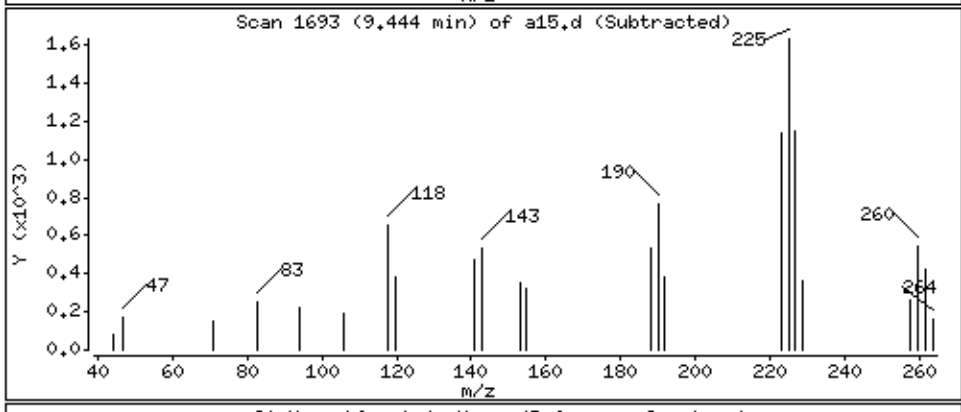
Column phase: DB-624

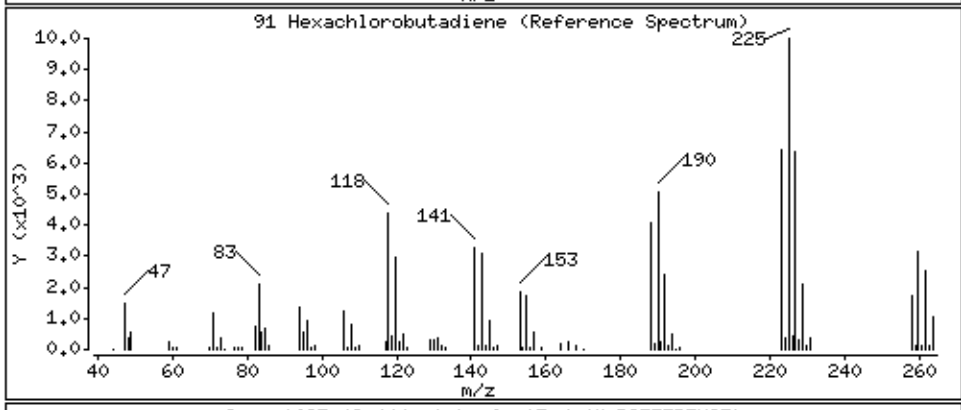
Column diameter: 0.18

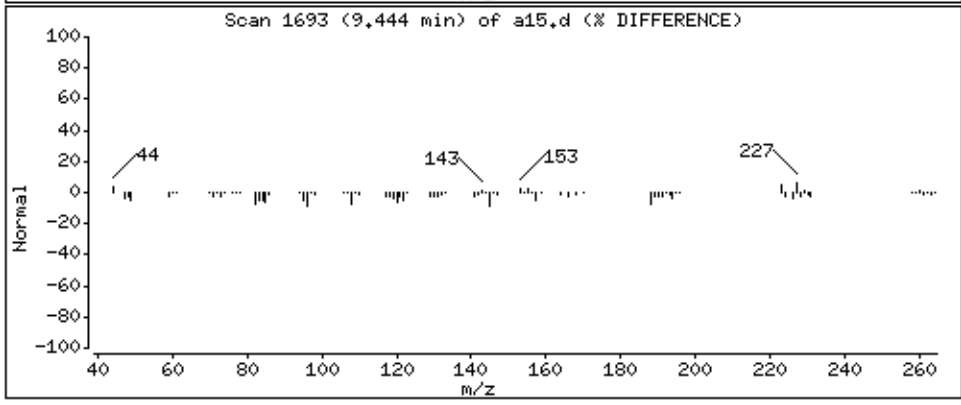
91 Hexachlorobutadiene

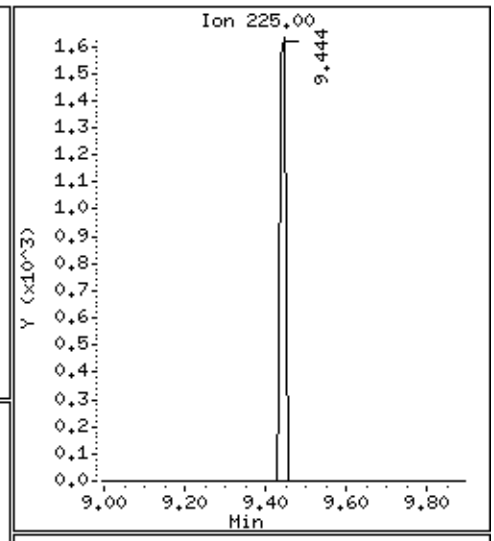
Concentration: 0.635 ppb

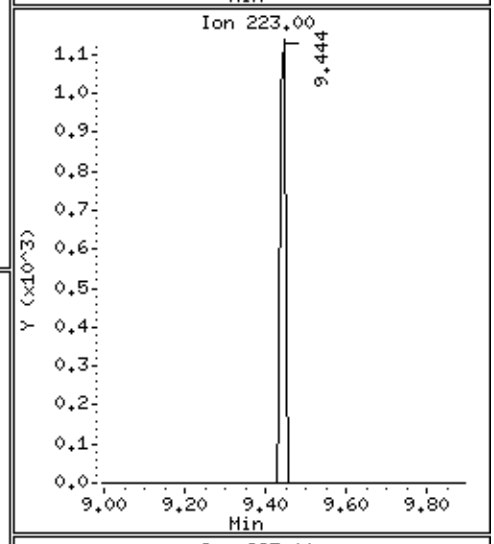


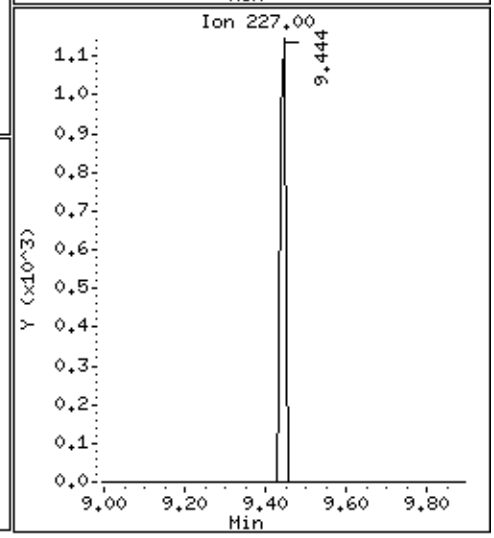












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Injection Date: 03-JUL-2014 23:45
Instrument: 50mv6b.i
Lab Sample ID: 5099765006
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

P-1 (1-3)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 00:12 Lab Sample ID: 5099765007

Date Analyzed: 07/04/2014 00:12 Lab File ID: B070314CAL.B\A16.D

Initial wt/vol: 4.962 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 4.2%

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

SAMPLE NO.

P-1 (1-3)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 00:12 Lab Sample ID: 5099765007

Date Analyzed: 07/04/2014 00:12 Lab File ID: B070314CAL.B\A16.D

Initial wt/vol: 4.962 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 4.2%

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	24.0	
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\50mv6b.i\b070314cal.b\a16.d
Lab Smp Id: 5099765007 Client Smp ID: P-1 (1-3)
Inj Date : 04-JUL-2014 00:12
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765007
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	4.248	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.595	1.601	(0.392)	12434	3.23029	3.37
	17 Methylene Chloride	84	1.847	1.841	(0.454)	34144	1.72787	1.80
	22 n-Hexane	57	2.178	2.173	(0.536)	115736	22.7825	23.8
	28 2-Butanone	43	2.745	2.745	(0.675)	5855	4.76309	4.97
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	143032	48.5673	50.7
	39 Benzene	78	3.666	3.660	(0.901)	43587	3.30278	3.45
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	568658	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	455623	48.1486	50.3
	52 Toluene	91	5.934	5.928	(0.832)	28547	1.96608	2.05
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	401542	50.0000	
	64 Ethylbenzene	106	7.234	7.228	(1.014)	3095	0.60837	0.635
	65 m&p-Xylene	106	7.319	7.325	(1.026)	2373	0.36674	0.383
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	166993	52.0085	54.3
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	3452	0.18886	0.197
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	1814	3.01786	3.15
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	1914	2.77181	2.89
	82 sec-Butylbenzene	105	8.389	8.389	(0.989)	3565	3.60324	3.76
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	213222	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	988	0.11779	0.123(Q)
	87 n-Butylbenzene	91	8.657	8.662	(1.020)	2263	0.60228	0.629

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	1010	0.35596	0.372

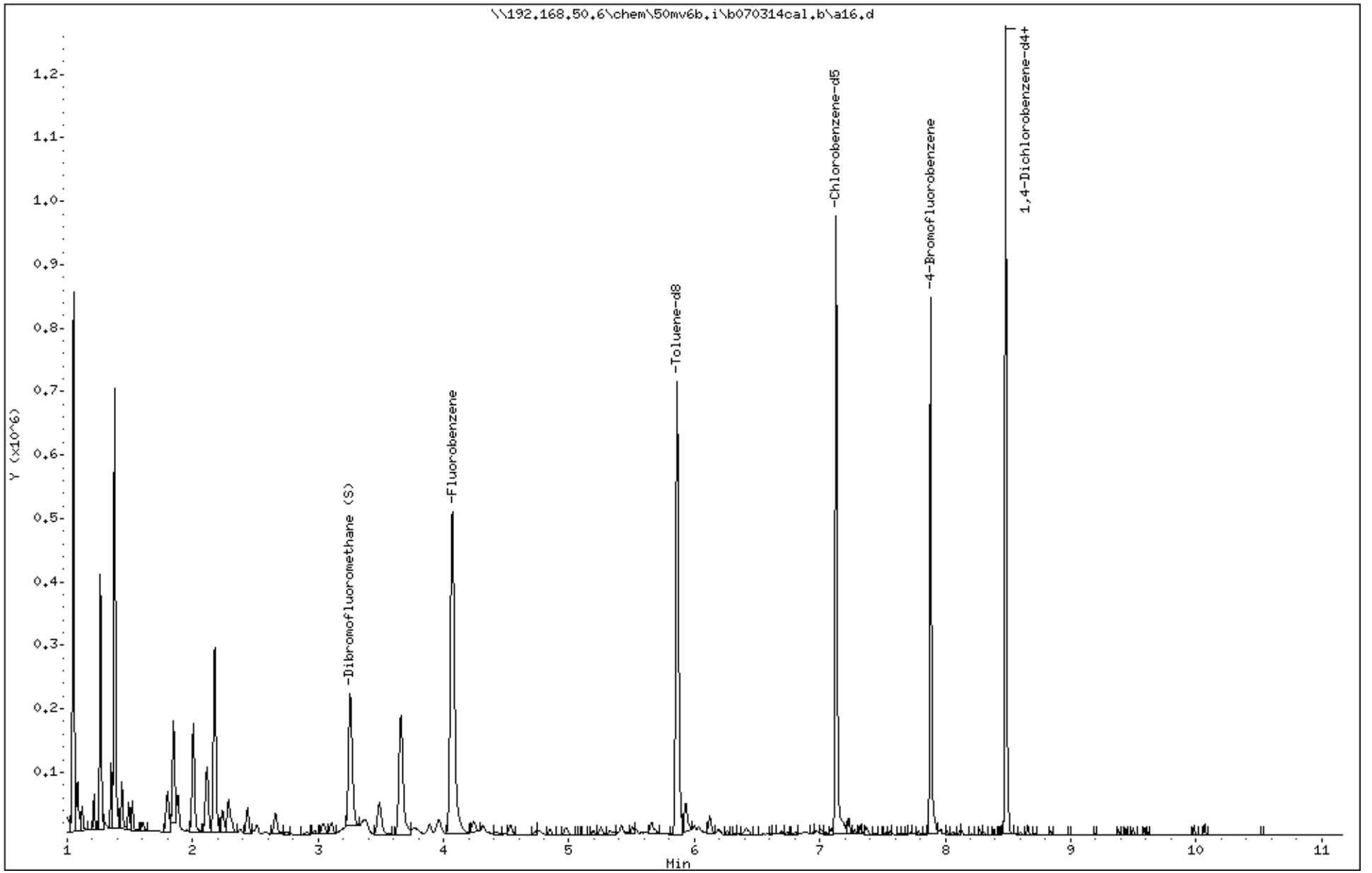
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d
Date : 04-JUL-2014 00:12
Client ID: P-1 (1-3)
Sample Info: 5099765007

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18

Column phase: DB-624



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Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

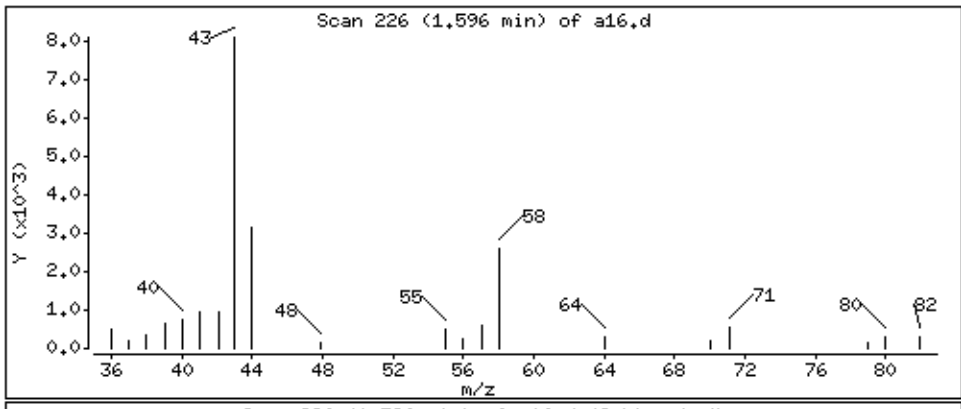
Operator: ala

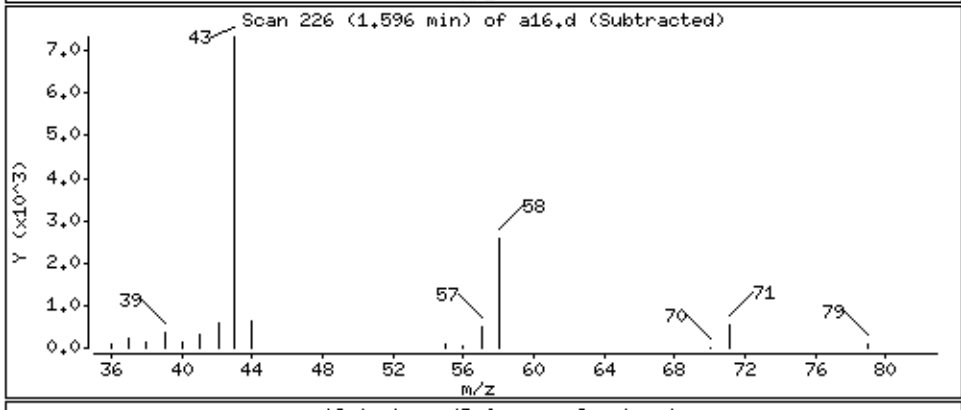
Column phase: DB-624

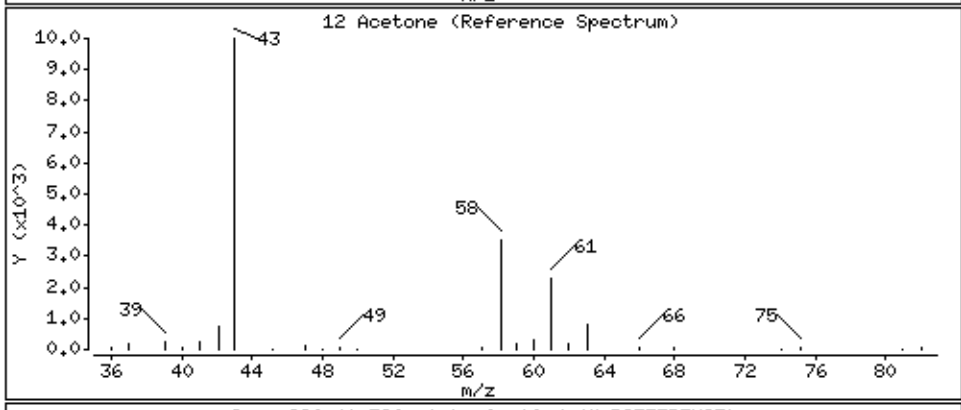
Column diameter: 0.18

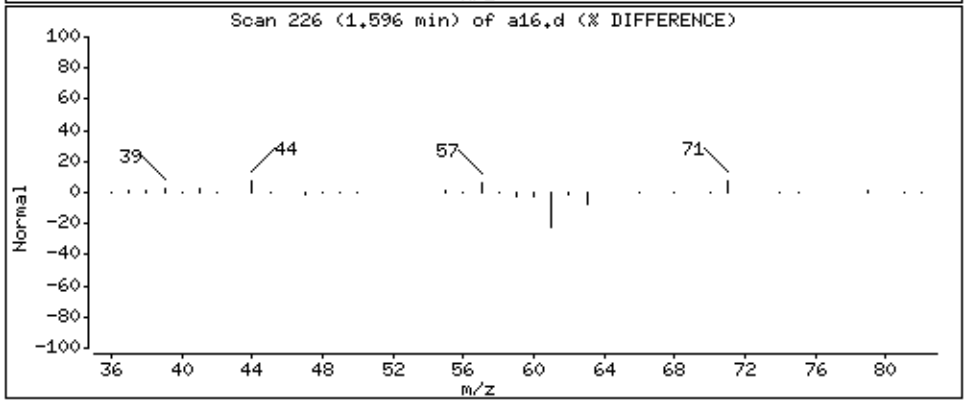
12 Acetone

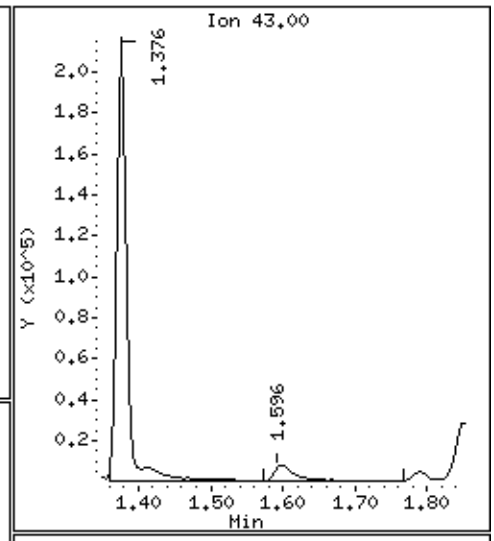
Concentration: 3.37 ppb

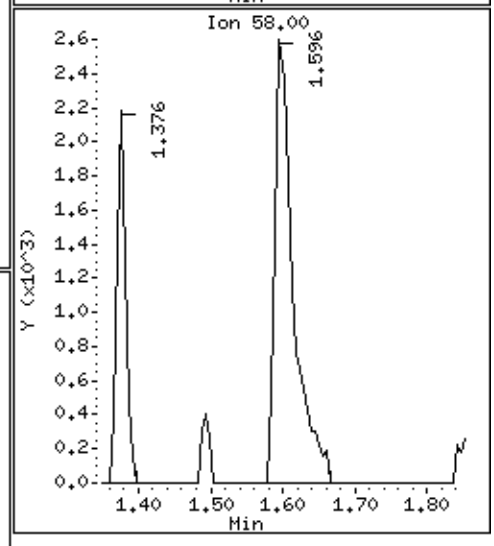












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

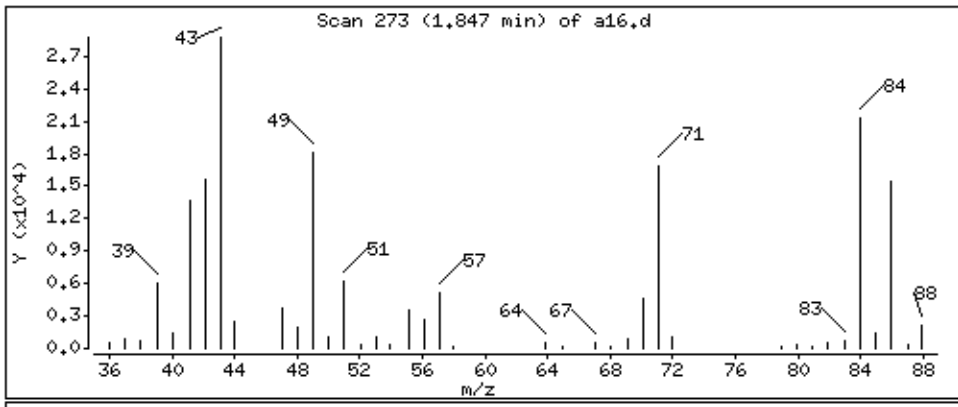
Operator: ala

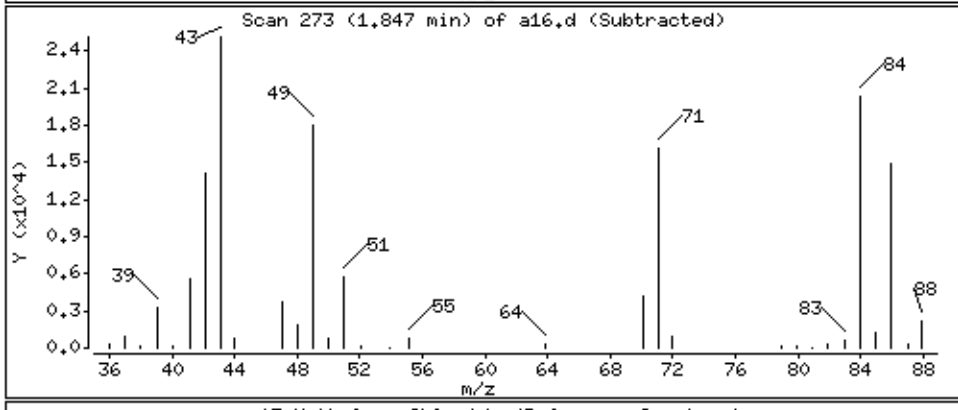
Column phase: DB-624

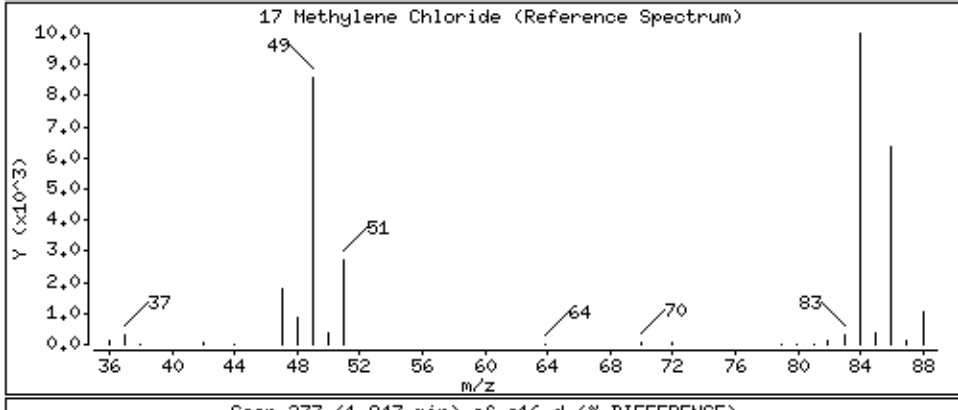
Column diameter: 0.18

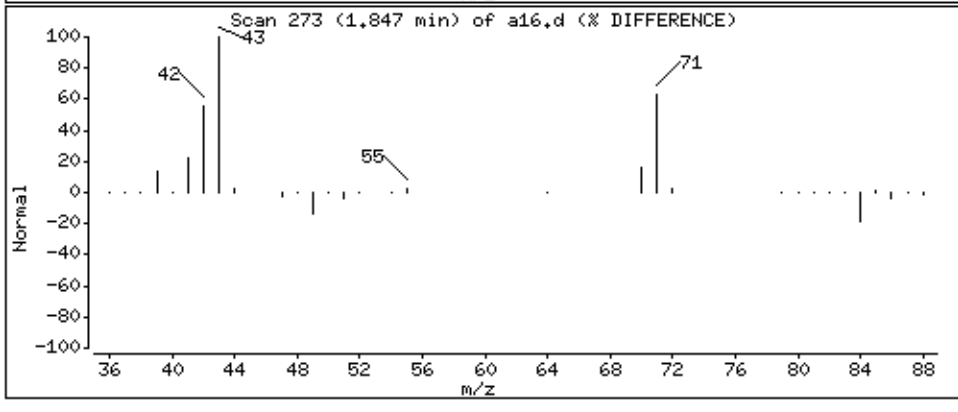
17 Methylene Chloride

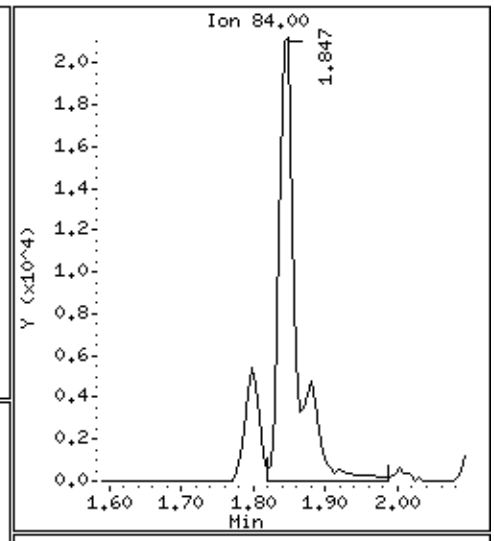
Concentration: 1.80 ppb

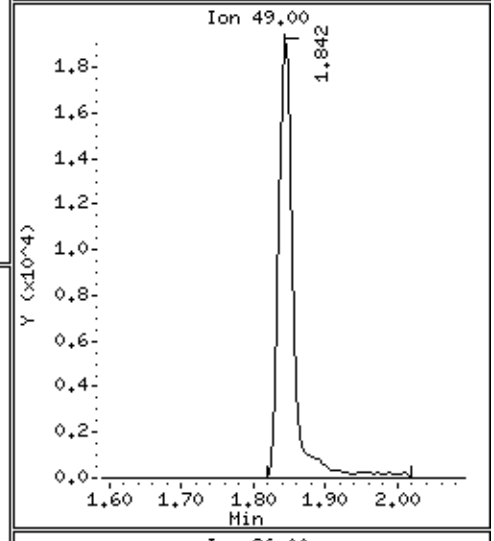


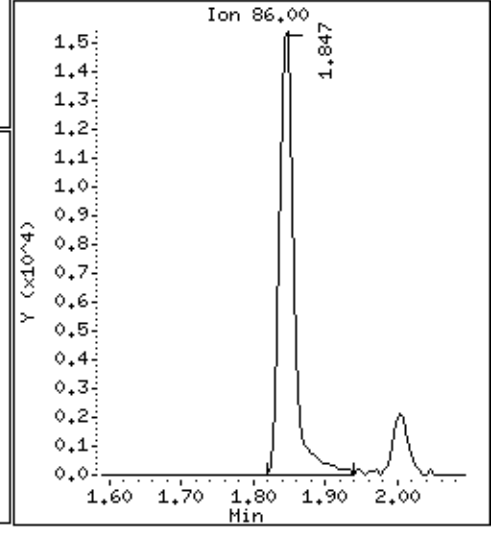












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

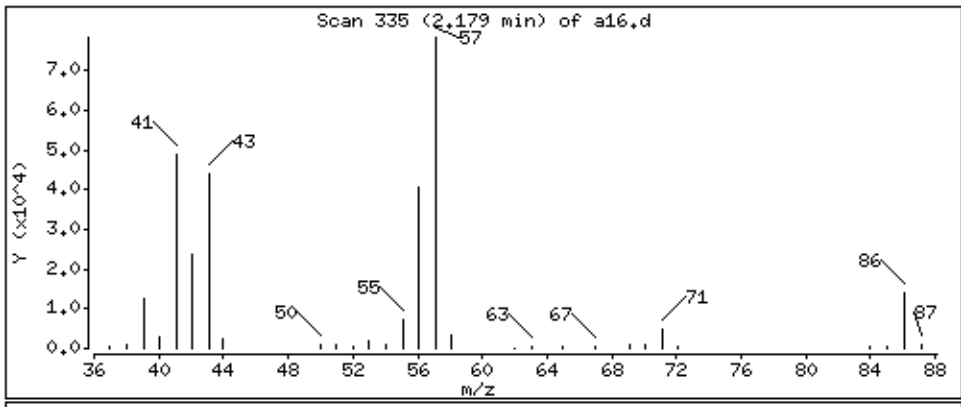
Operator: ala

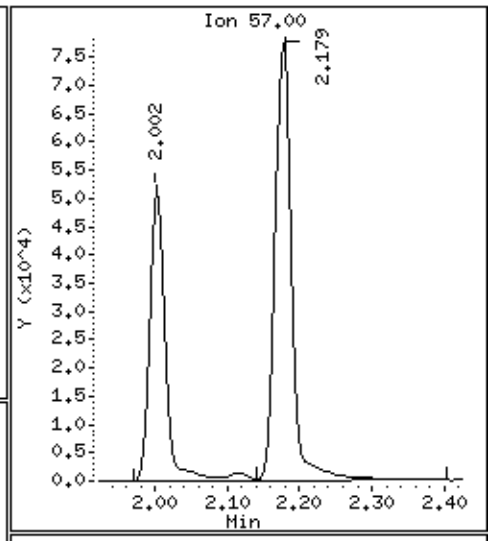
Column phase: DB-624

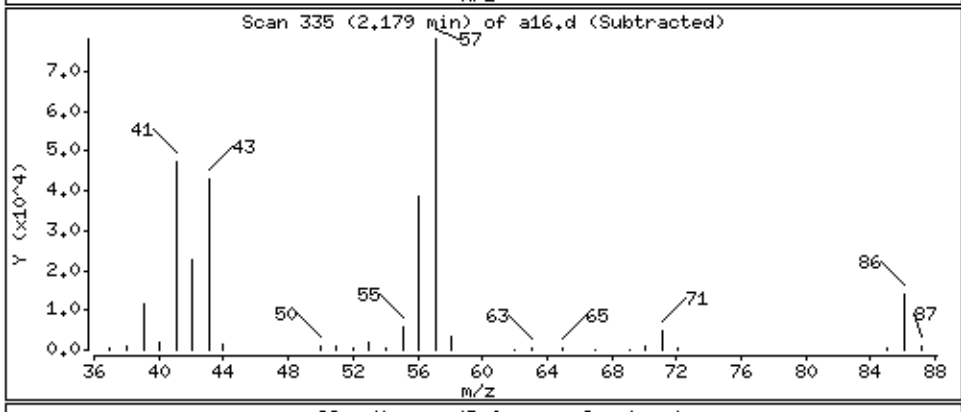
Column diameter: 0.18

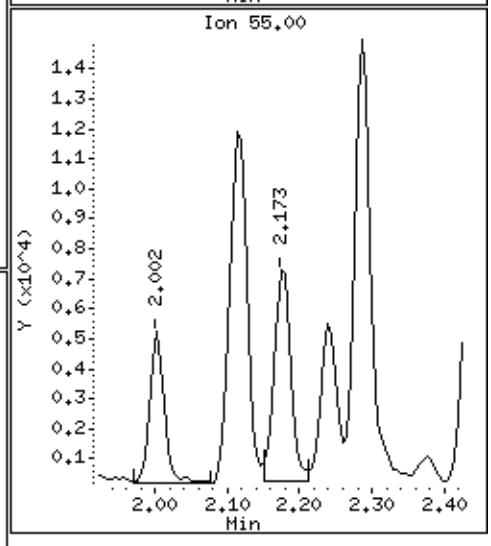
22 n-Hexane

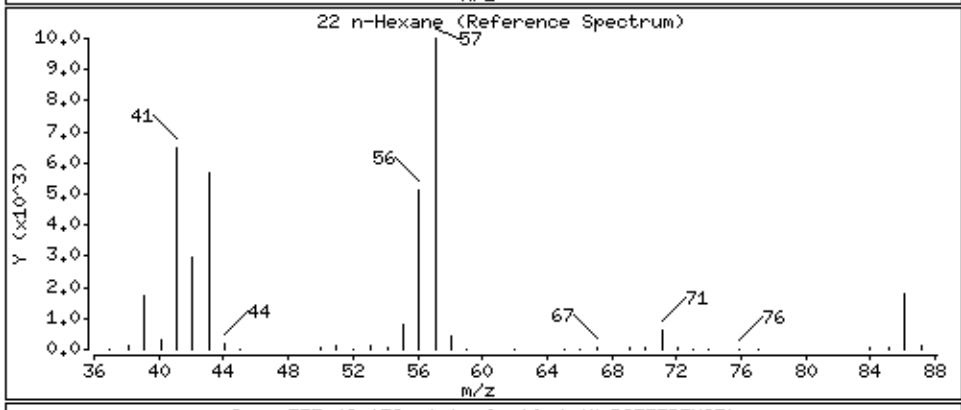
Concentration: 23.8 ppb

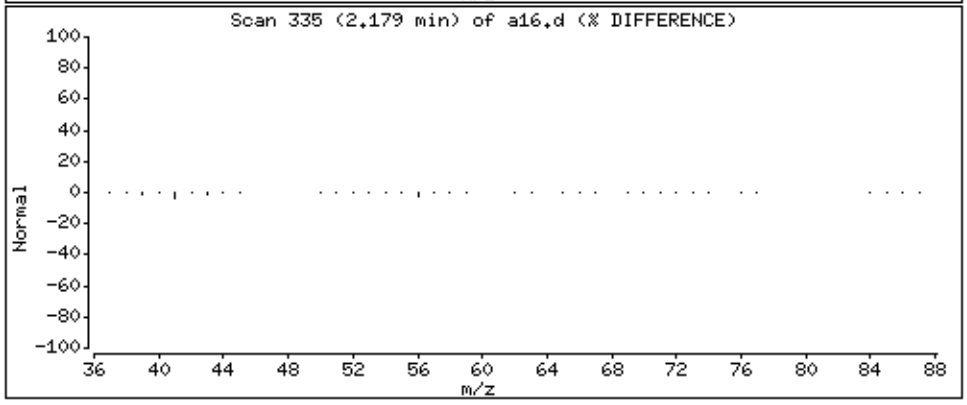












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

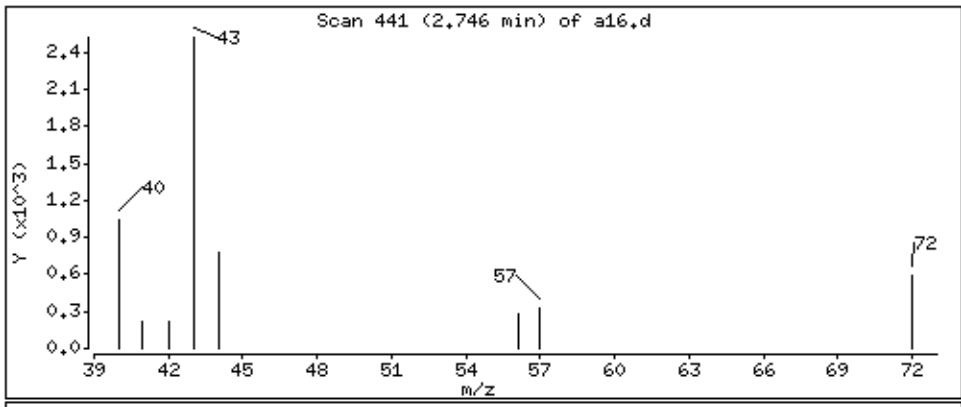
Operator: ala

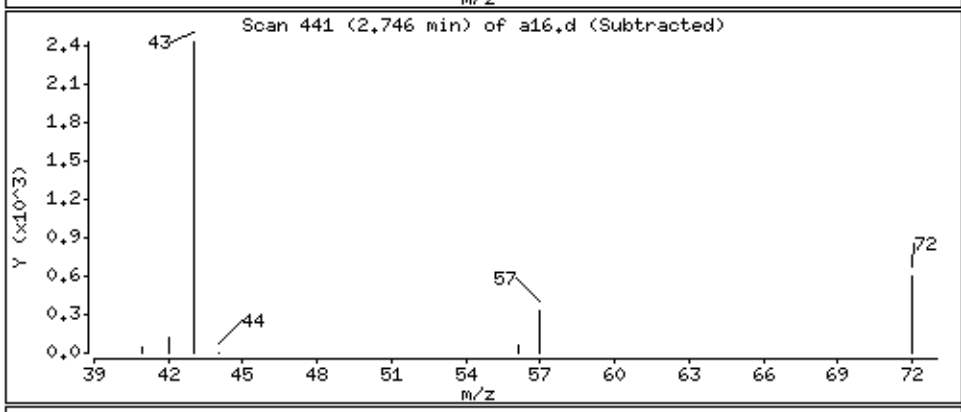
Column phase: DB-624

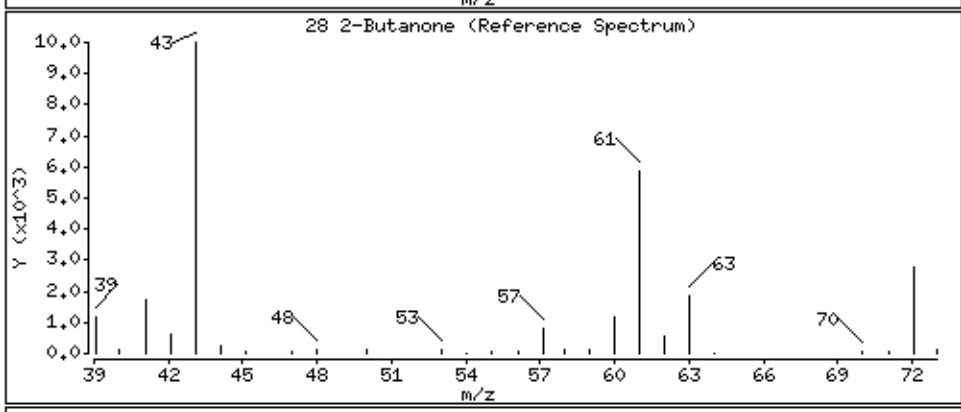
Column diameter: 0.18

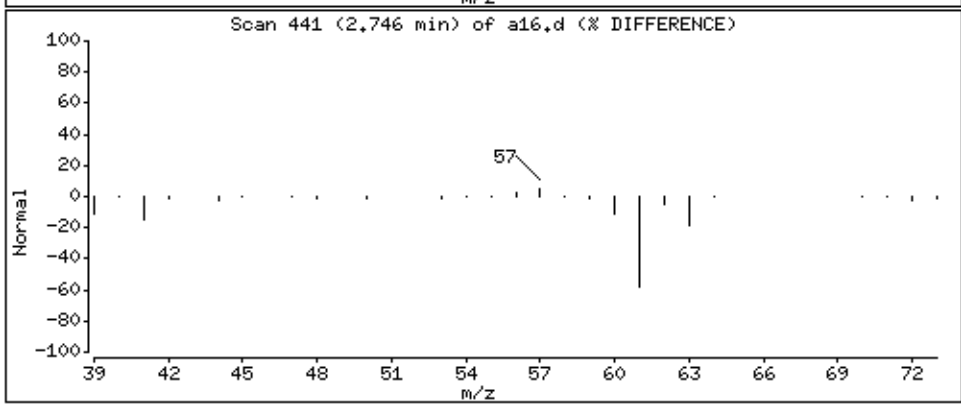
28 2-Butanone

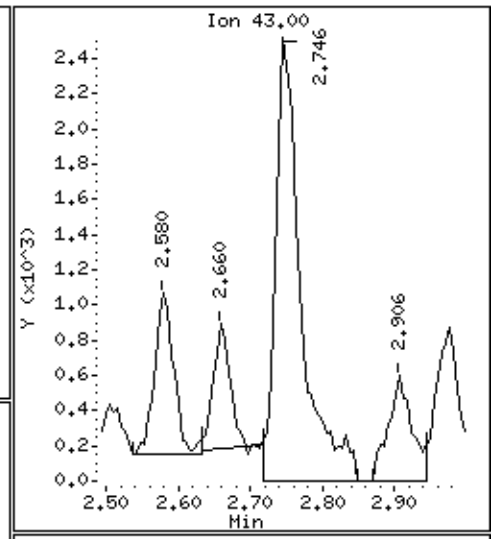
Concentration: 4.97 ppb

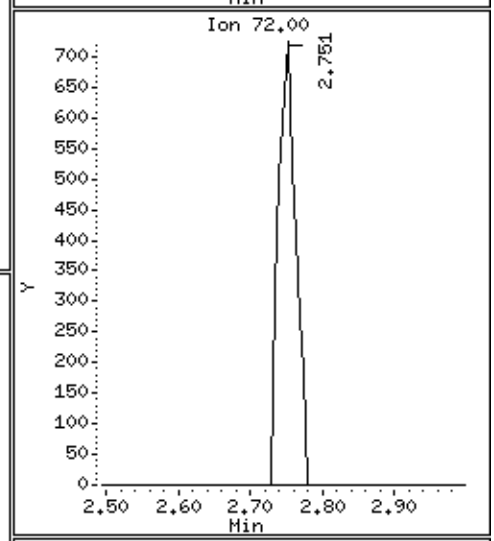


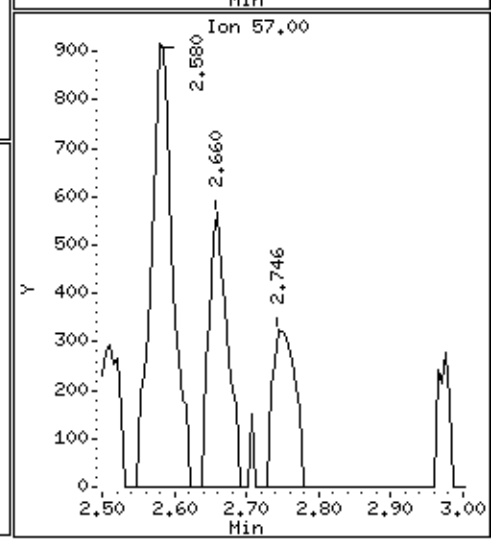












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Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

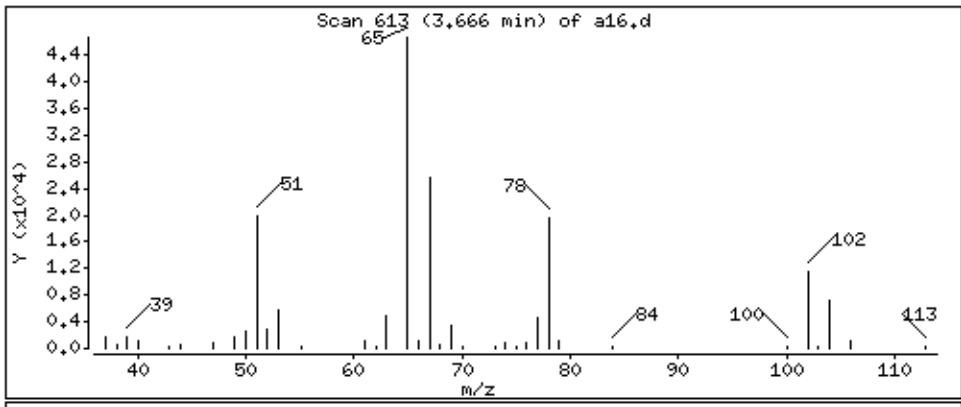
Operator: ala

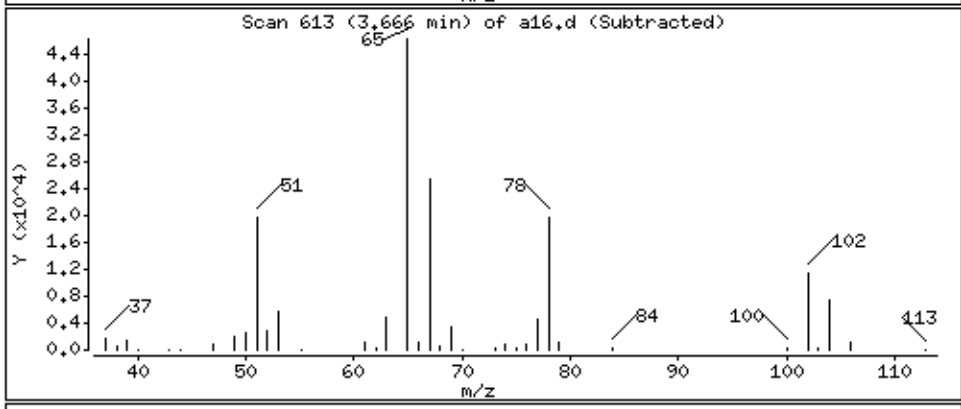
Column phase: DB-624

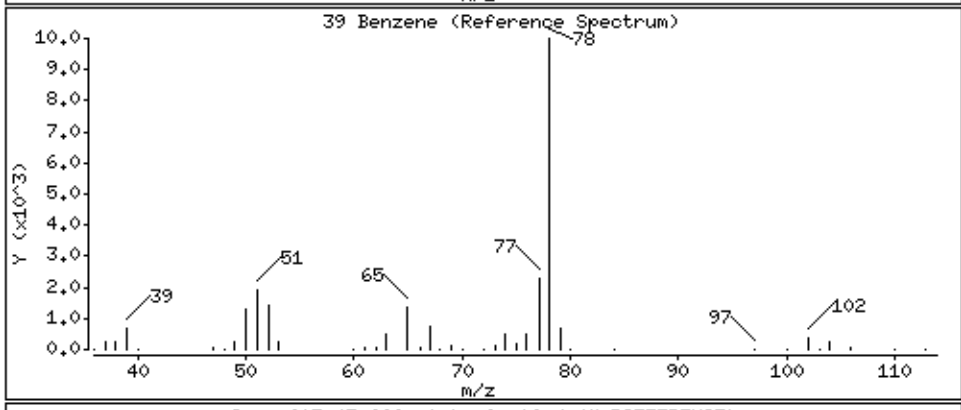
Column diameter: 0.18

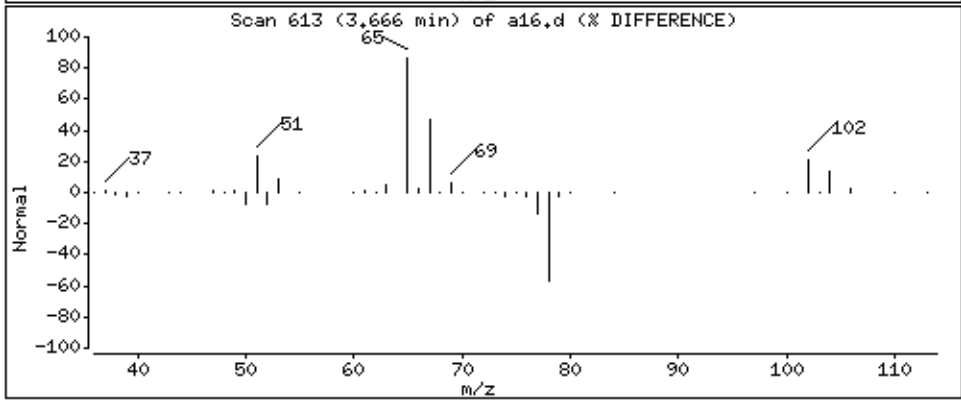
39 Benzene

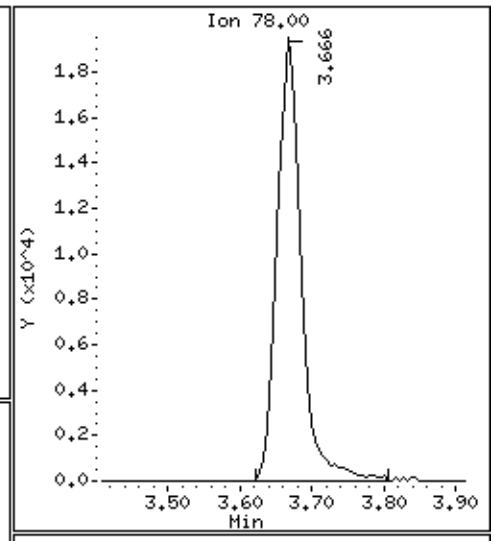
Concentration: 3.45 ppb

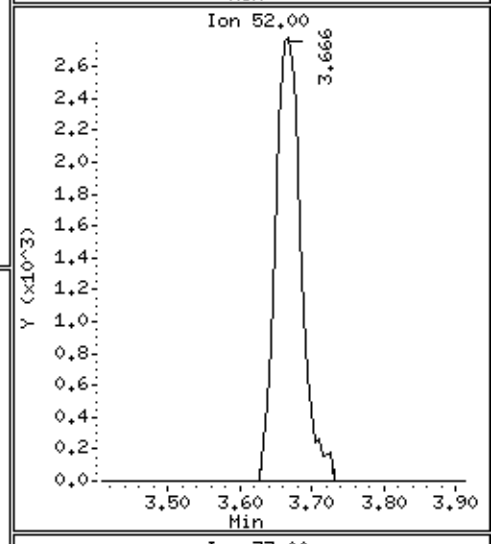


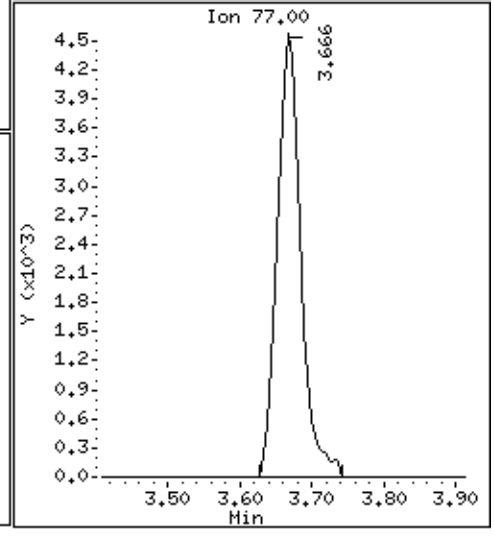












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

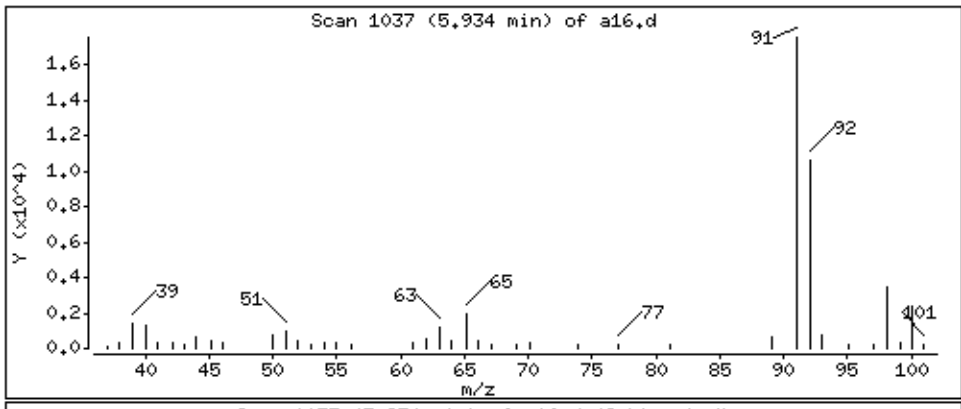
Operator: ala

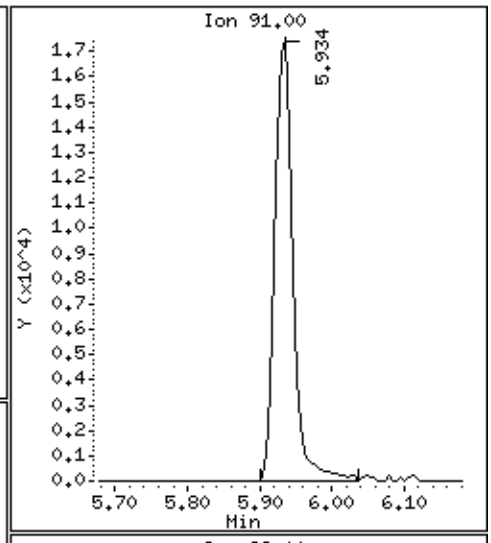
Column phase: DB-624

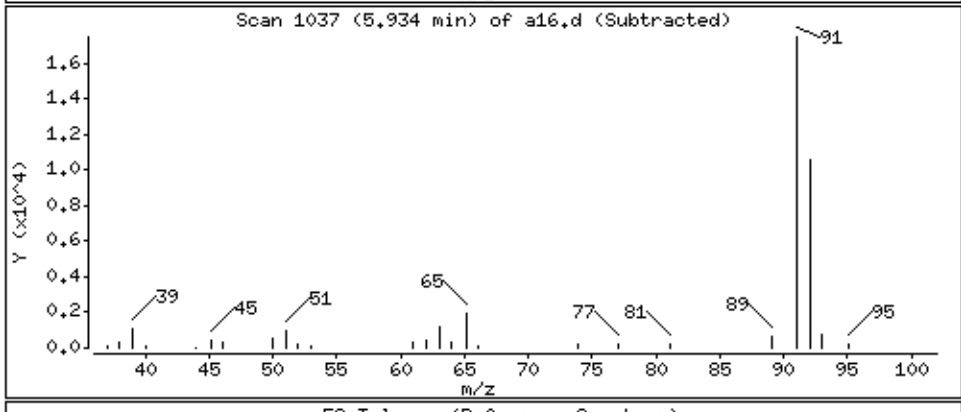
Column diameter: 0.18

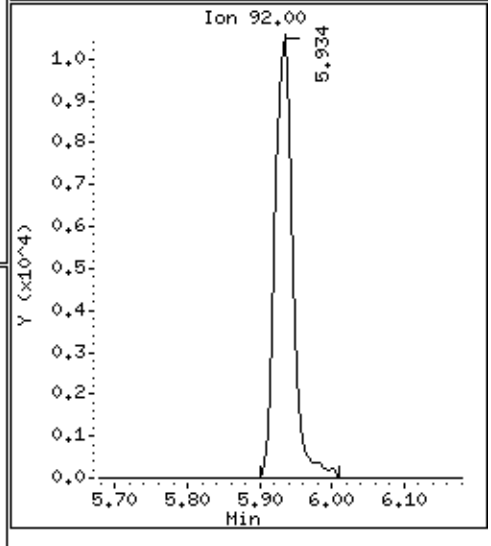
52 Toluene

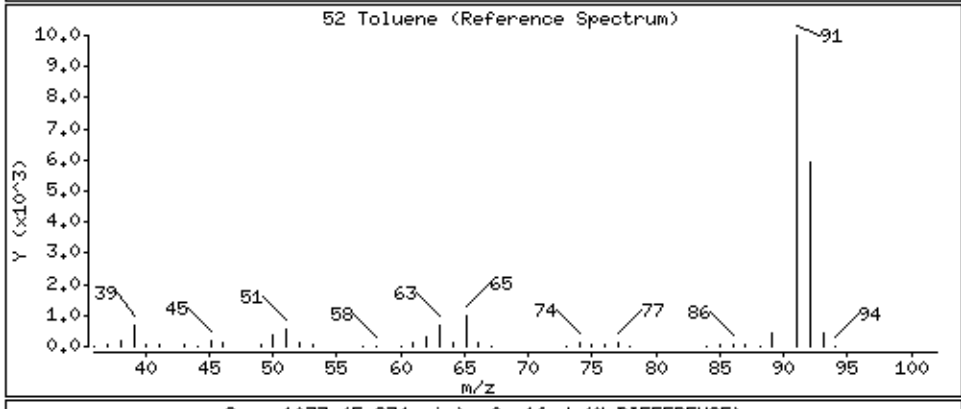
Concentration: 2.05 ppb

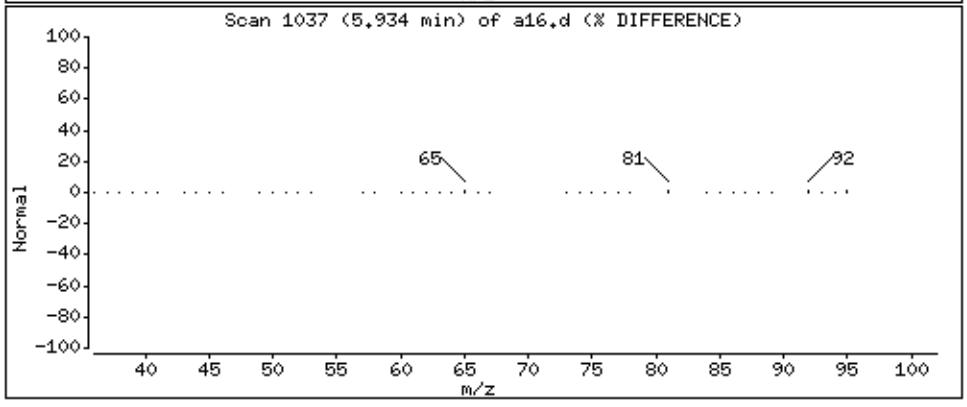












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

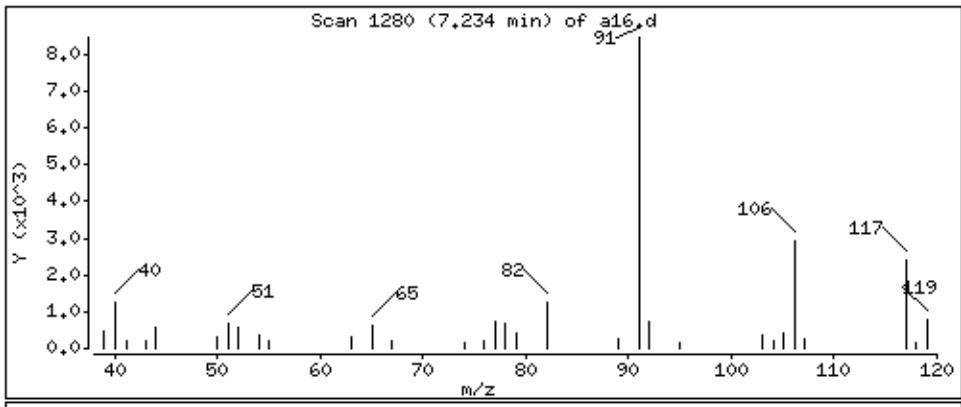
Operator: ala

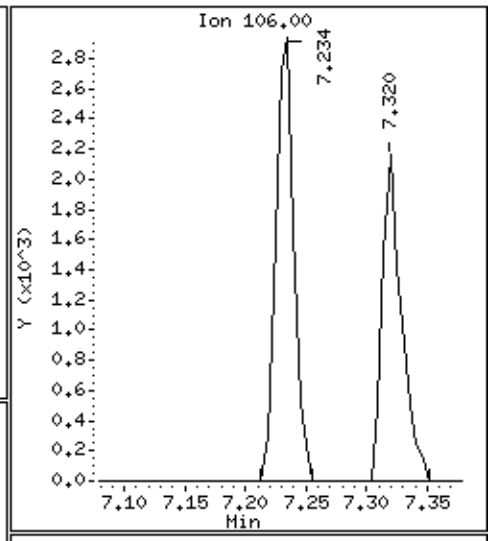
Column phase: DB-624

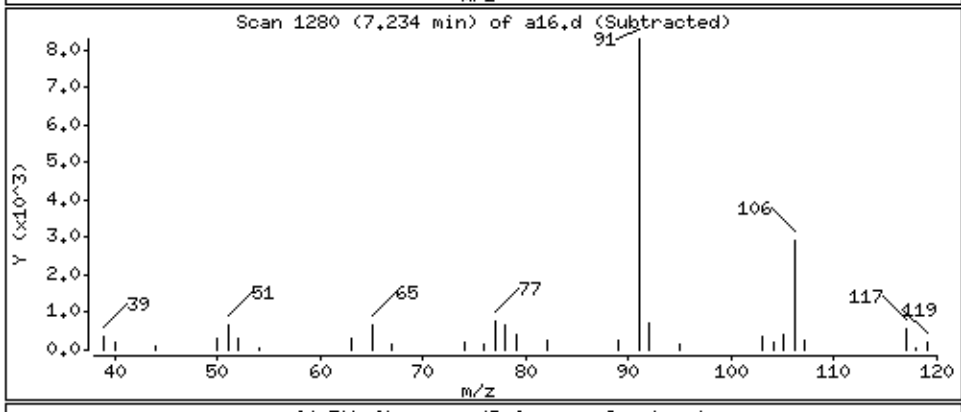
Column diameter: 0.18

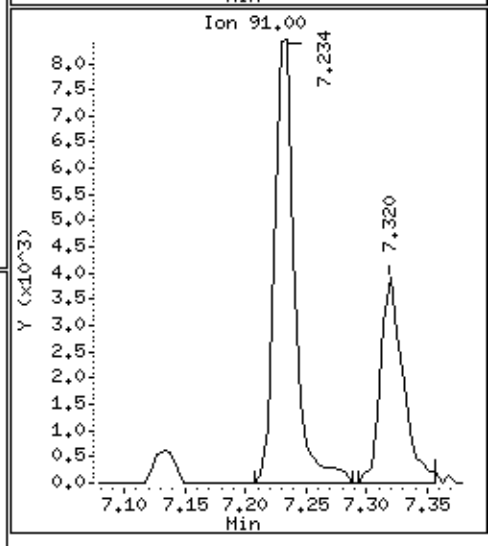
64 Ethylbenzene

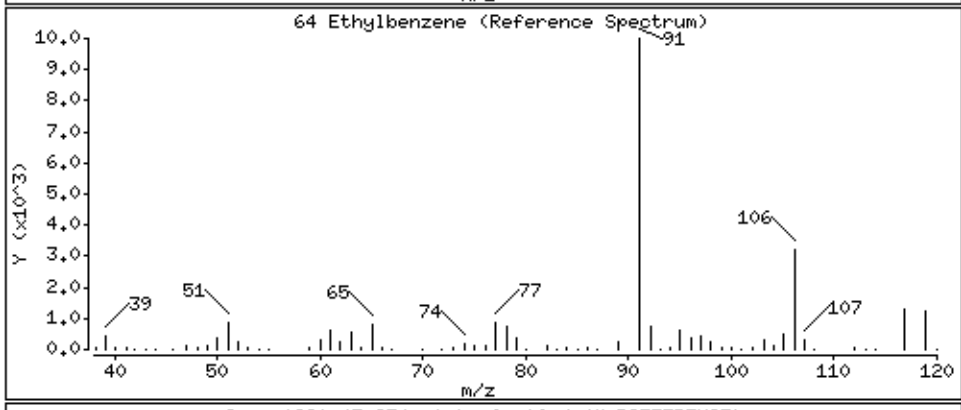
Concentration: 0.635 ppb

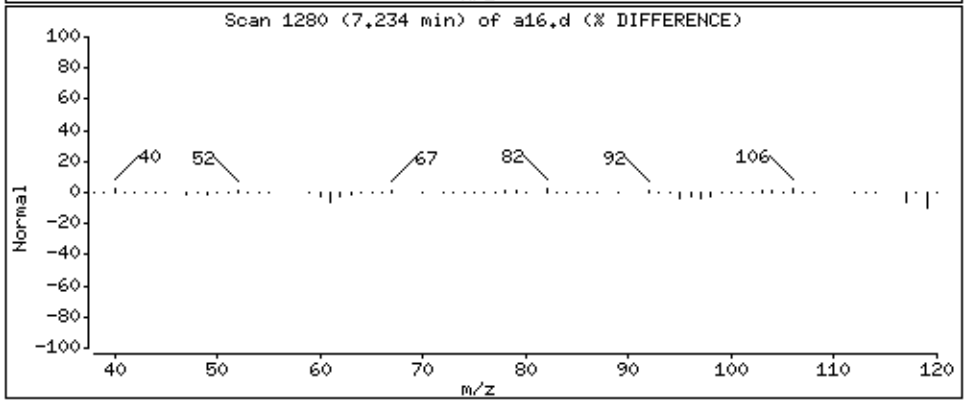












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

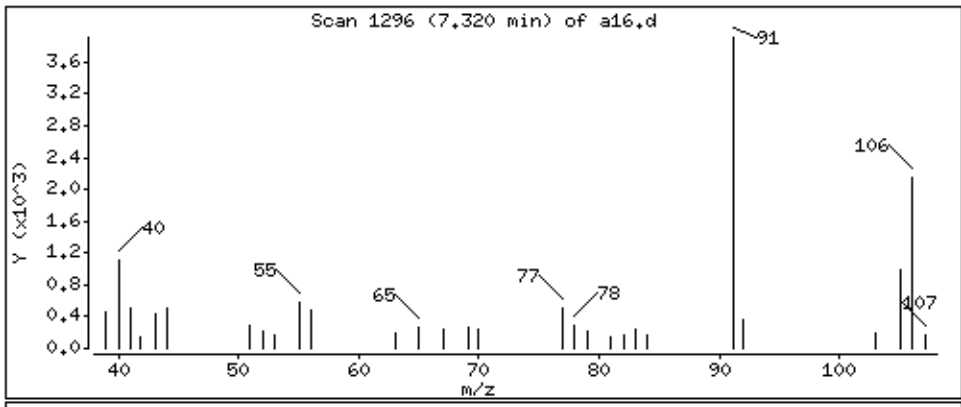
Operator: ala

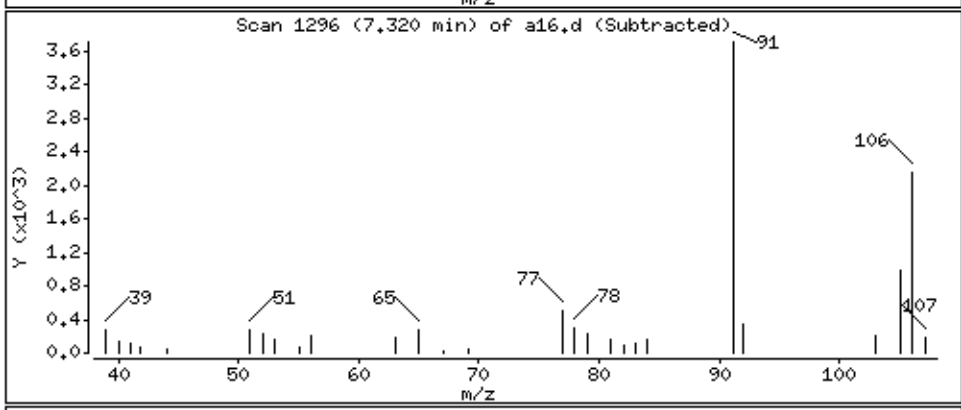
Column phase: DB-624

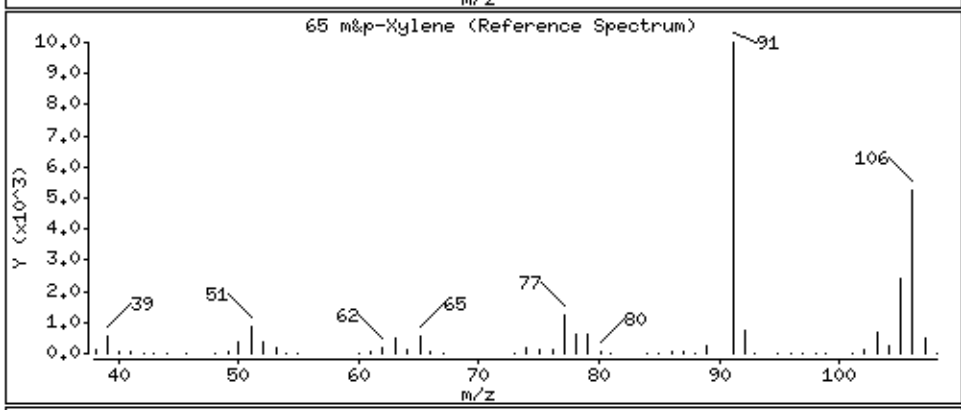
Column diameter: 0.18

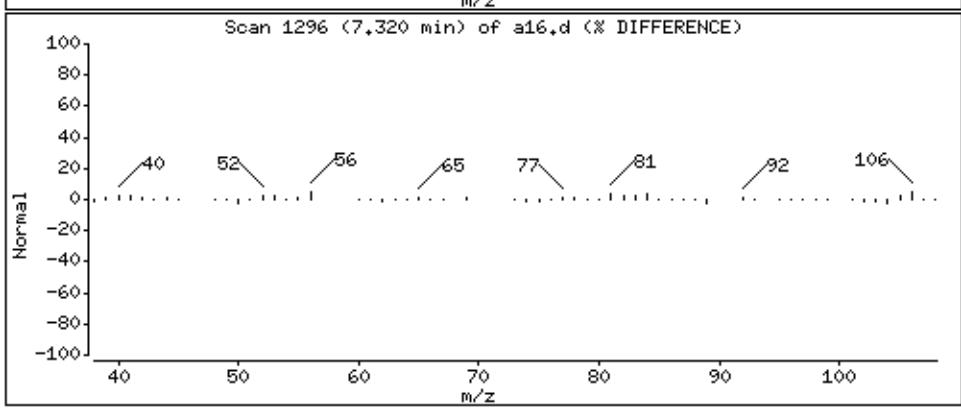
65 m&p-Xylene

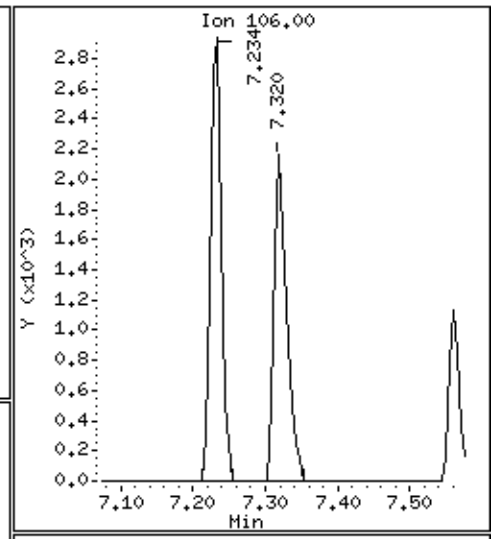
Concentration: 0.383 ppb

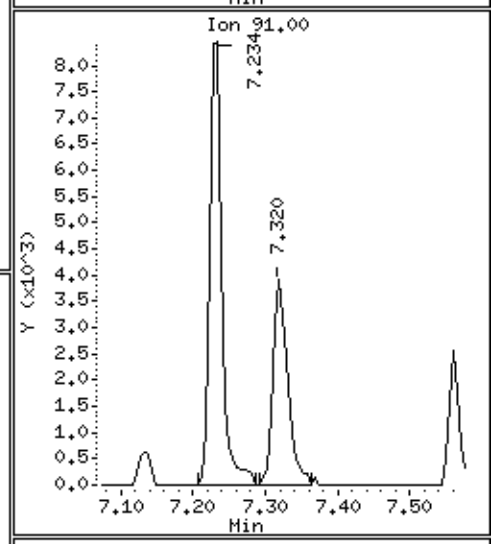


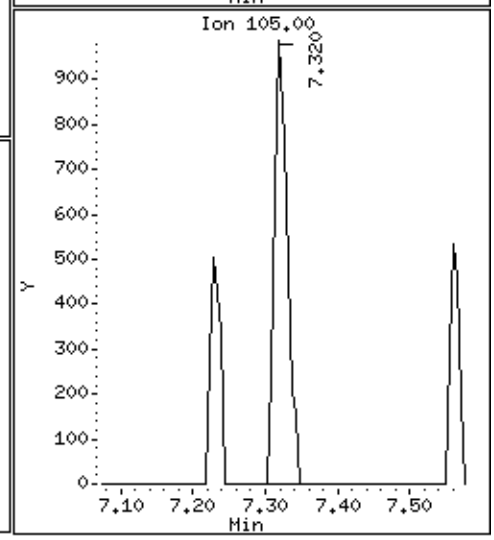












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

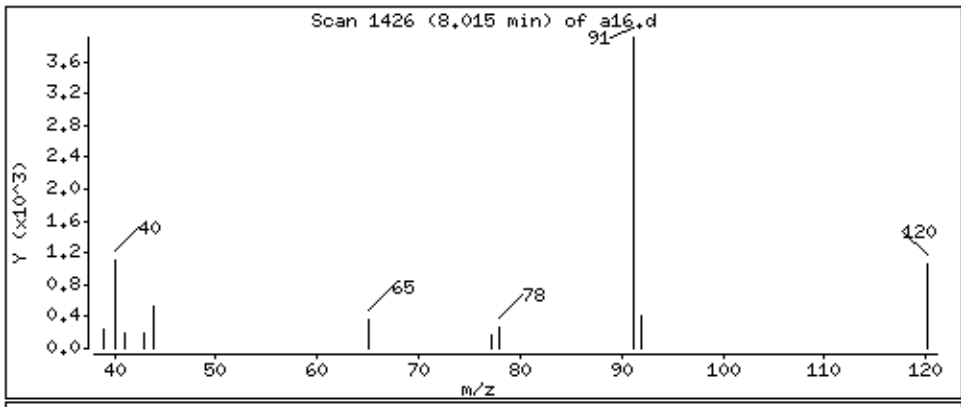
Operator: ala

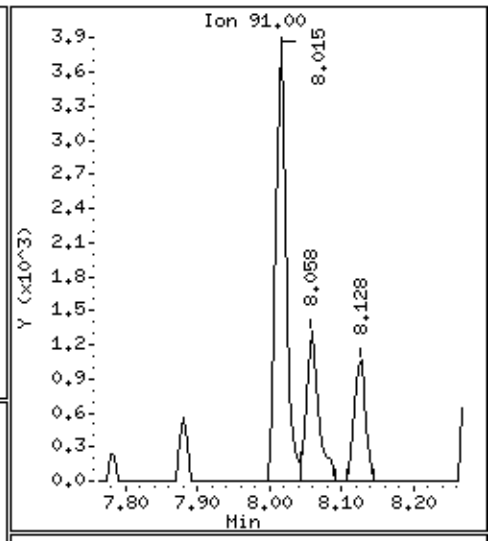
Column phase: DB-624

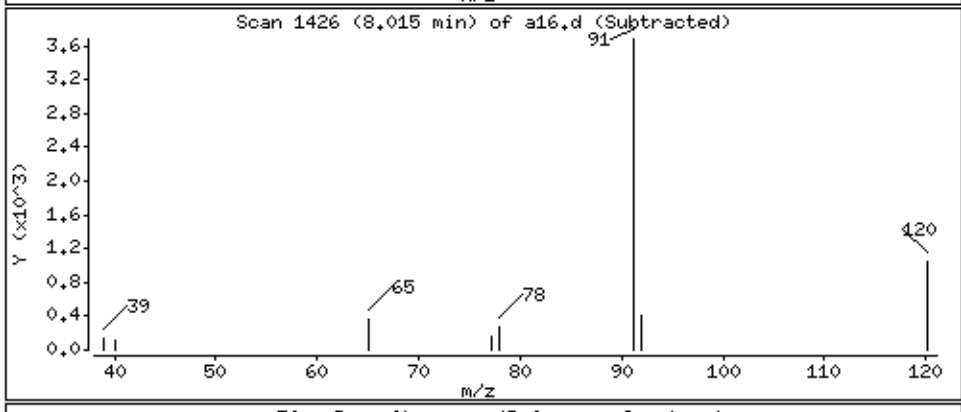
Column diameter: 0.18

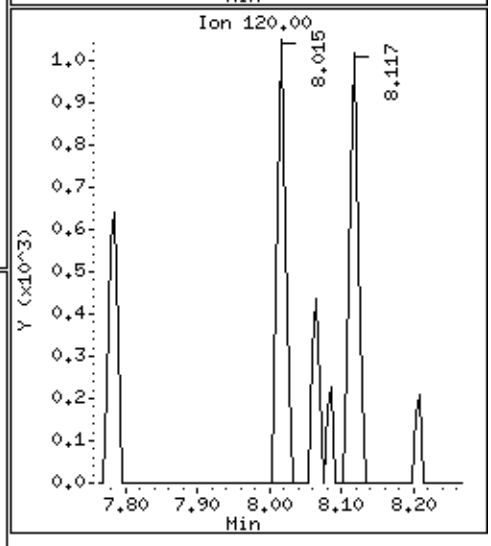
76 n-Propylbenzene

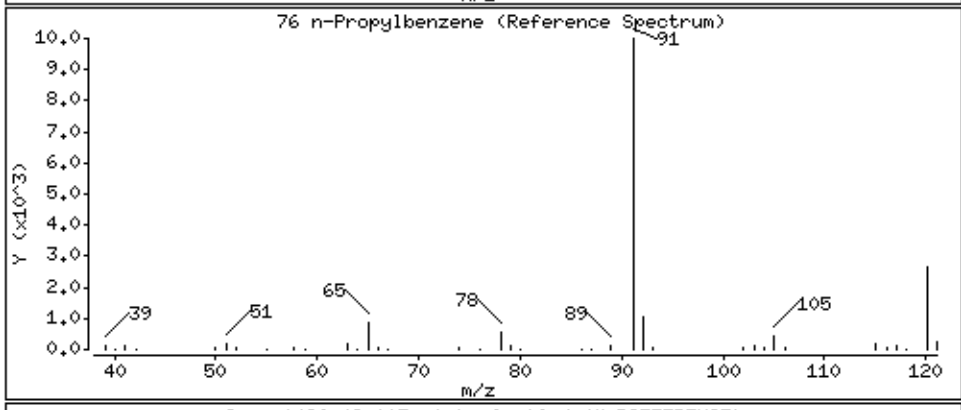
Concentration: 0.197 ppb

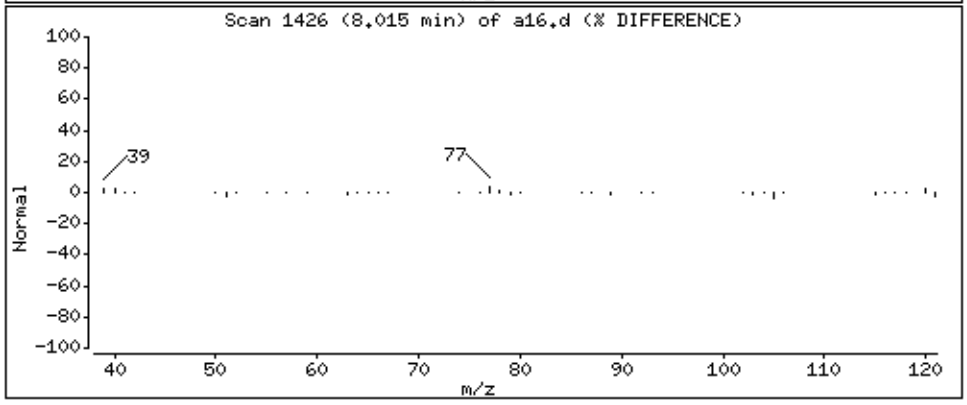












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

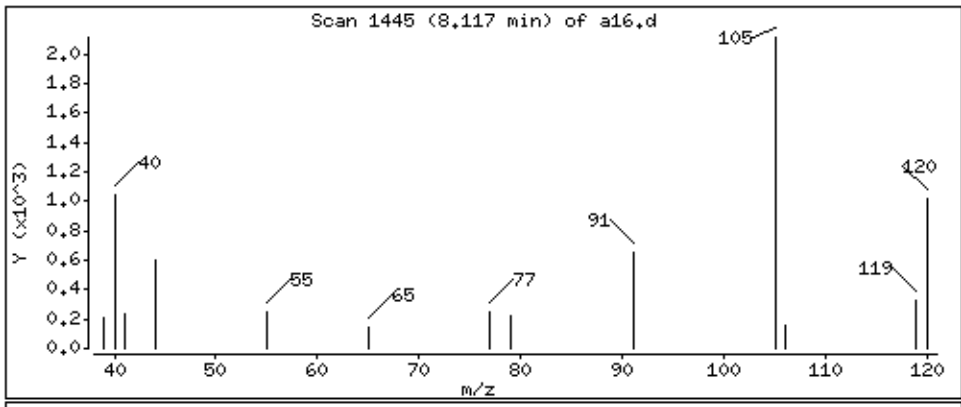
Operator: ala

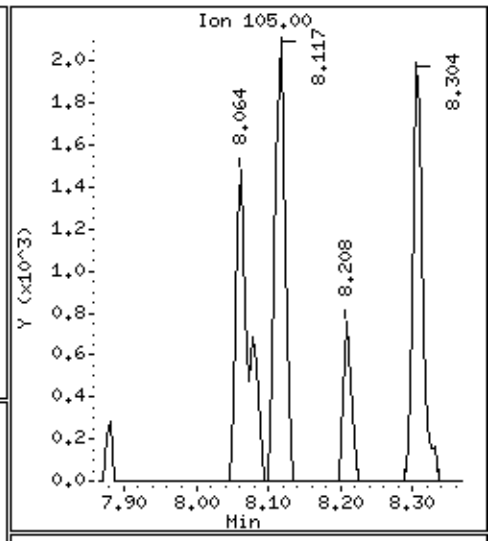
Column phase: DB-624

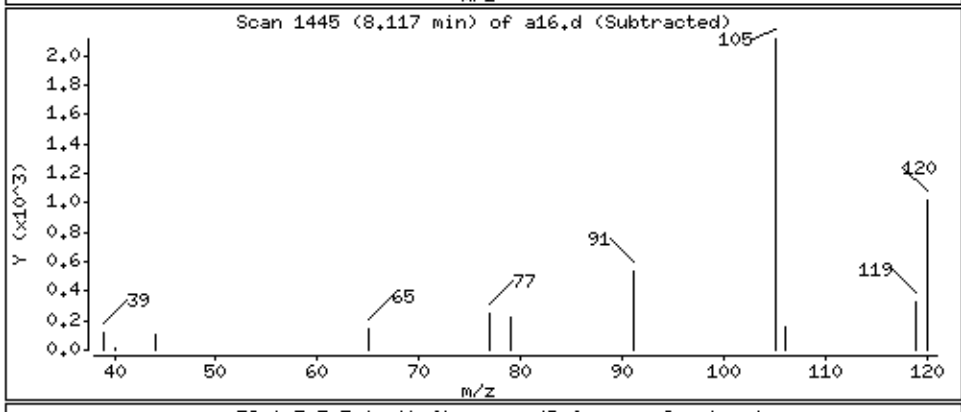
Column diameter: 0.18

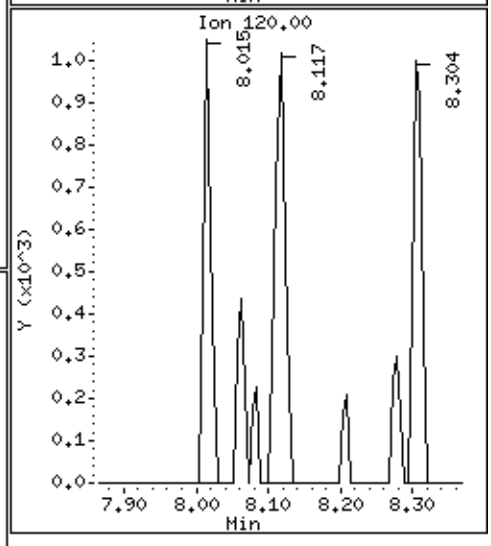
78 1,3,5-Trimethylbenzene

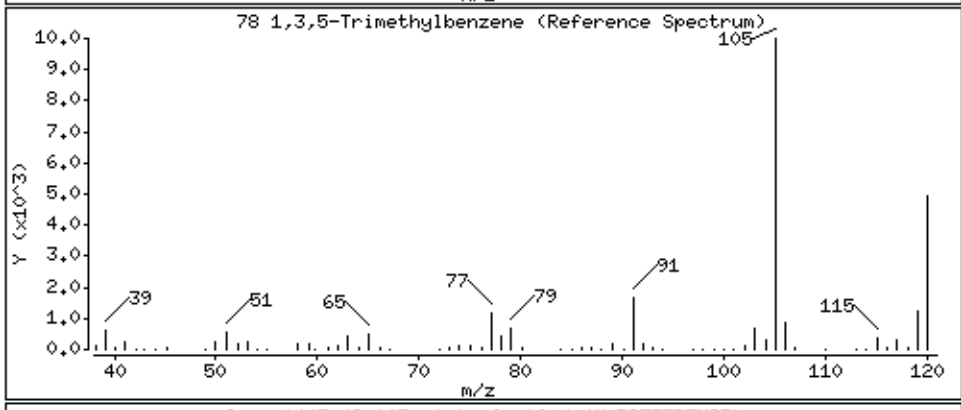
Concentration: 3.15 ppb

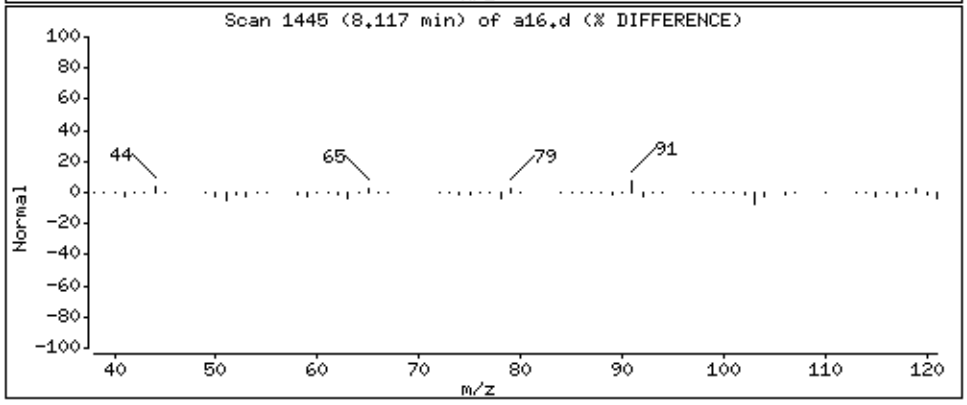












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

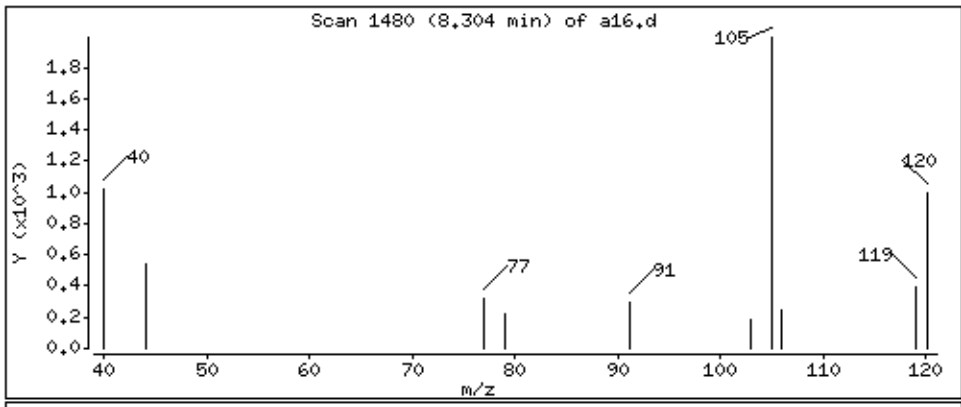
Operator: ala

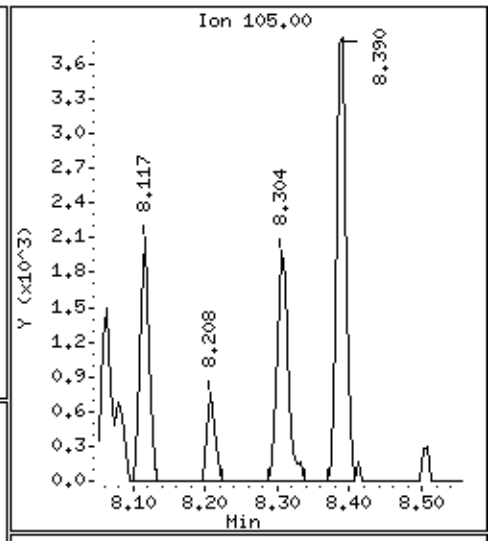
Column phase: DB-624

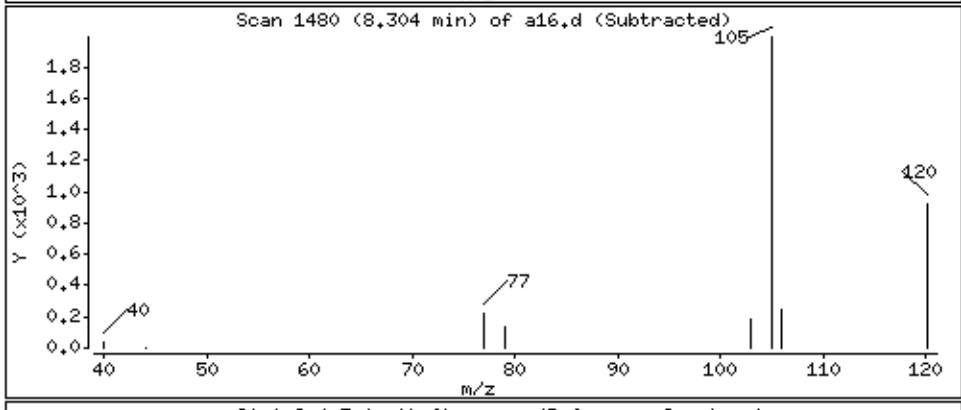
Column diameter: 0.18

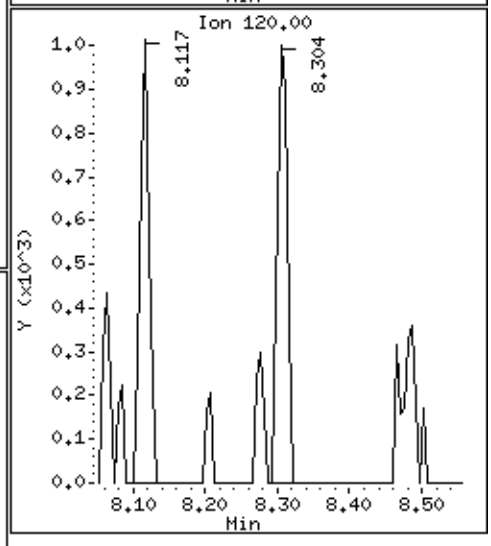
81 1,2,4-Trimethylbenzene

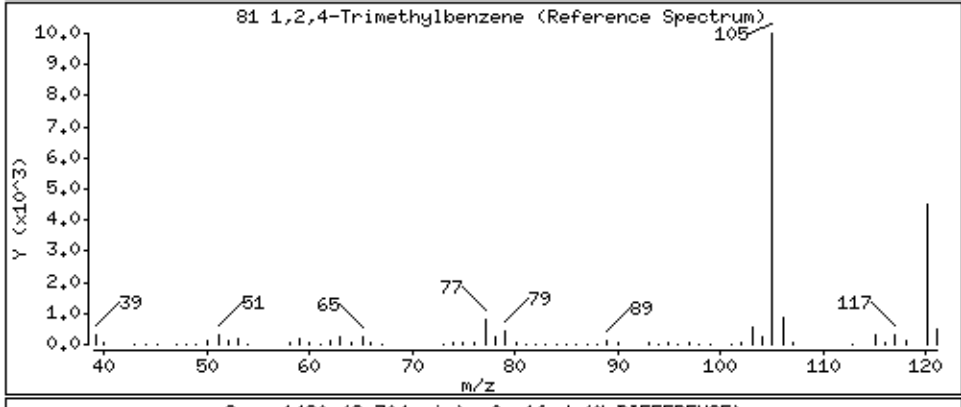
Concentration: 2.89 ppb

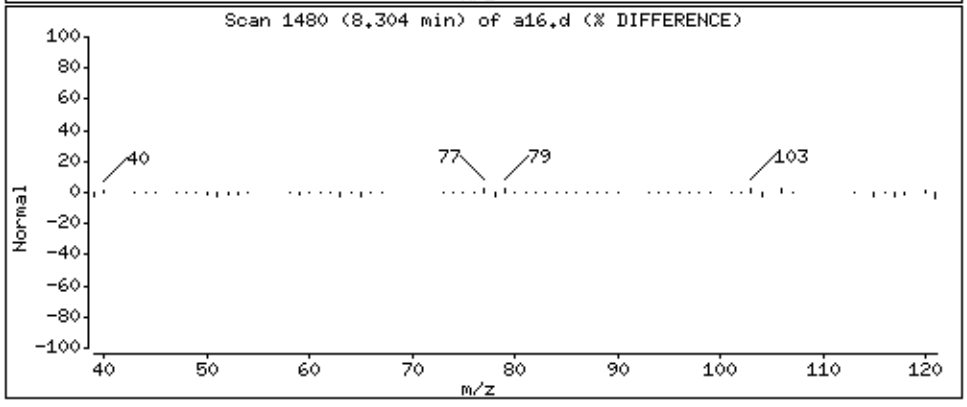












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

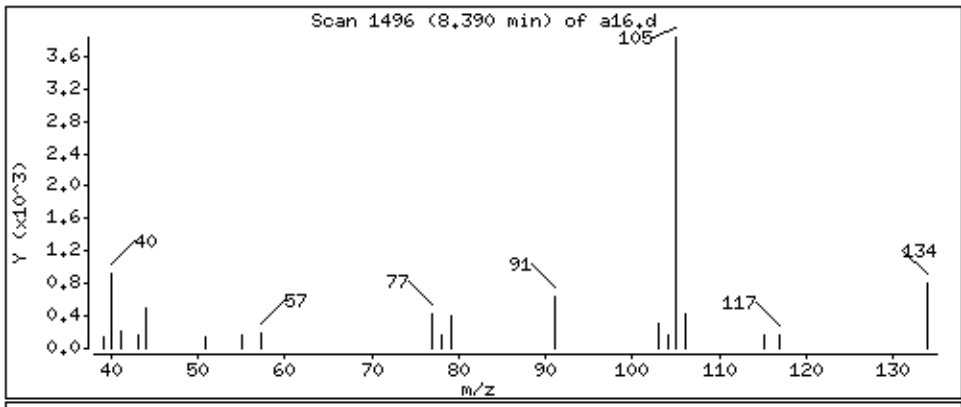
Operator: ala

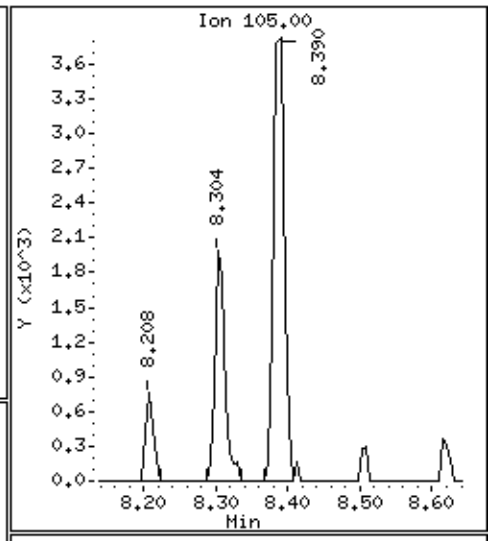
Column phase: DB-624

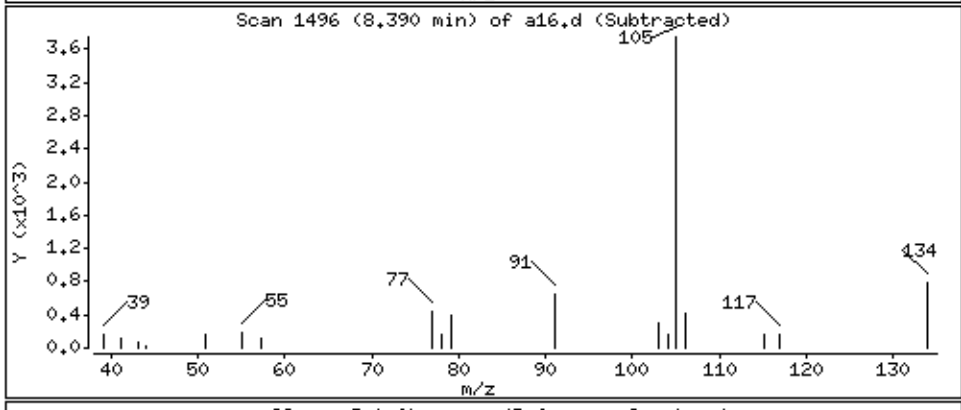
Column diameter: 0.18

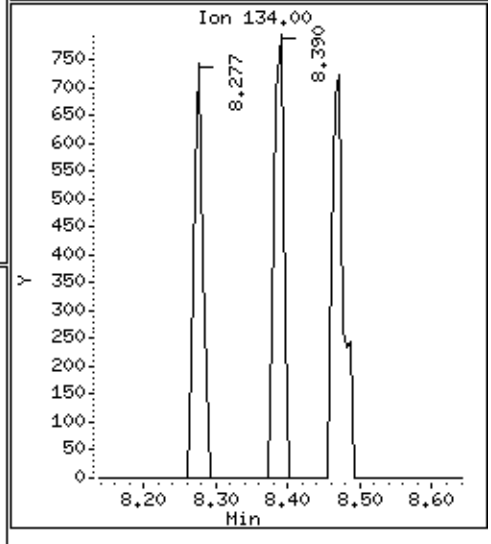
82 sec-Butylbenzene

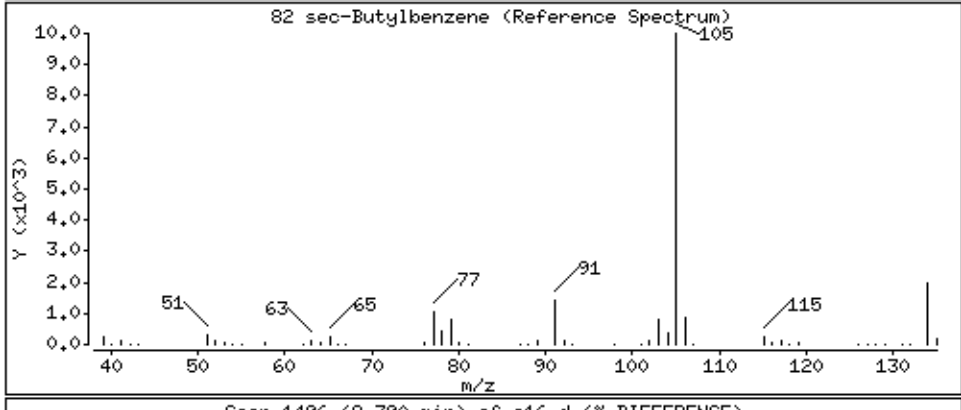
Concentration: 3.76 ppb

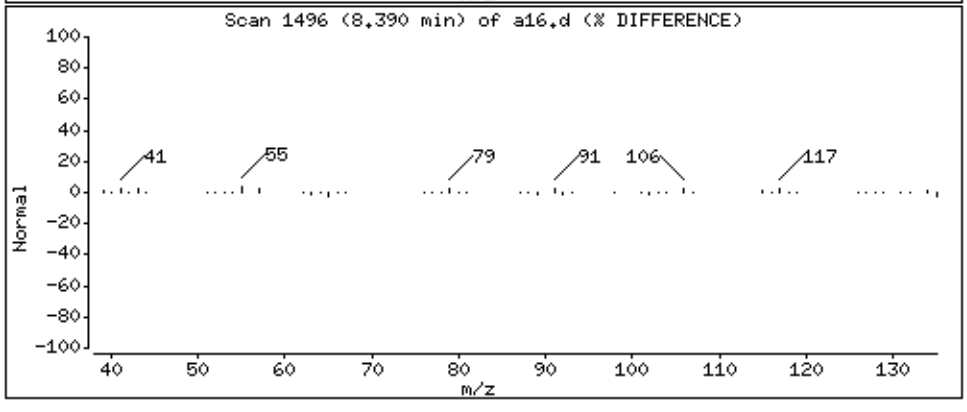












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

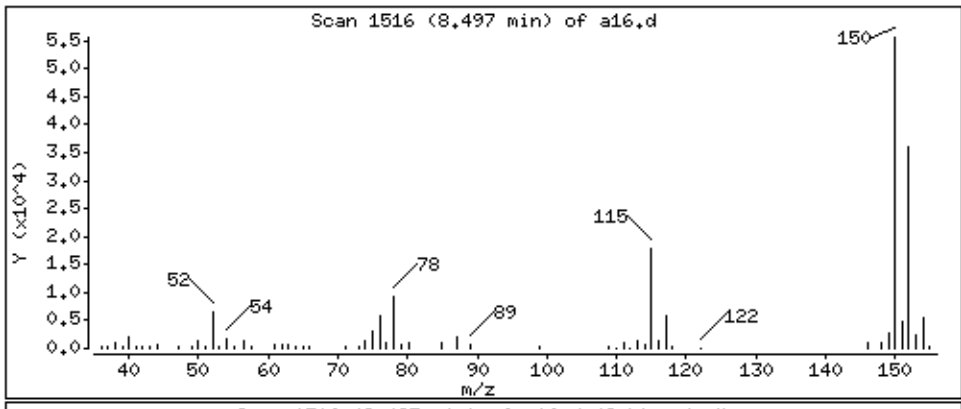
Operator: ala

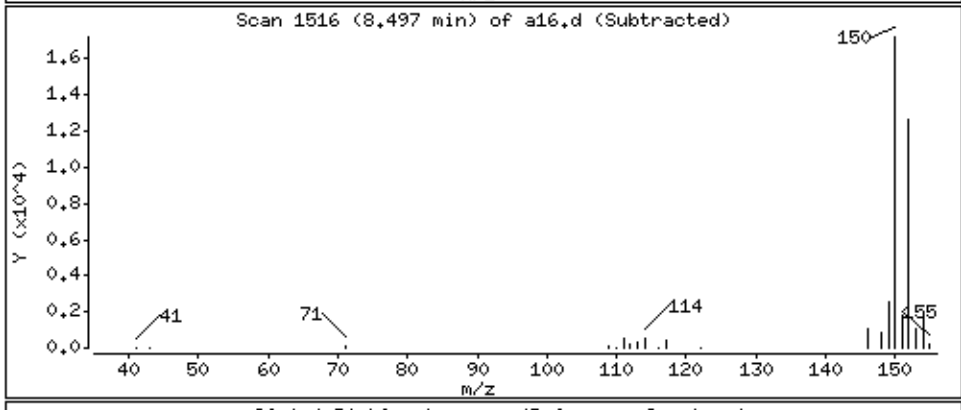
Column phase: DB-624

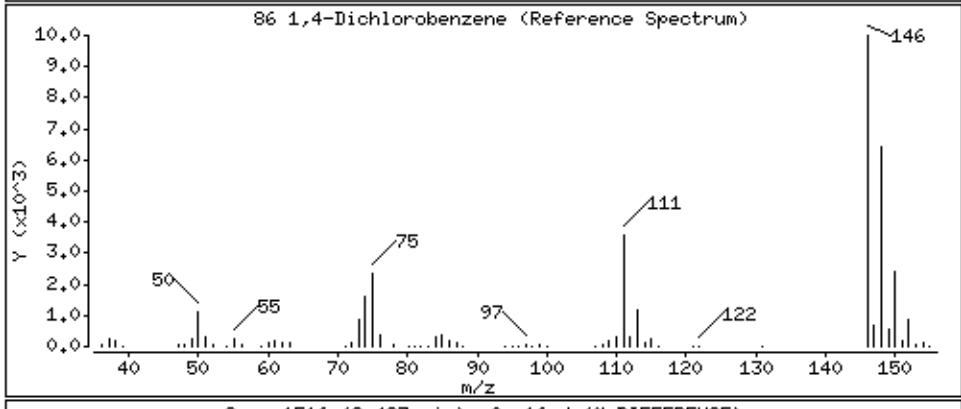
Column diameter: 0.18

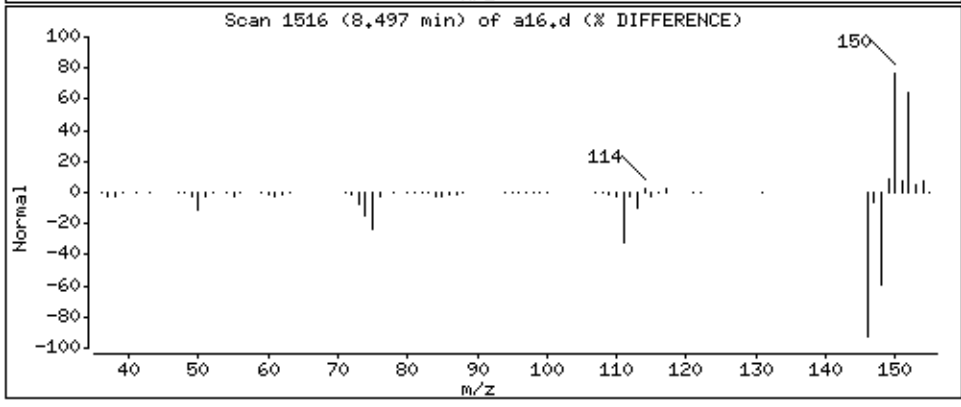
86 1,4-Dichlorobenzene

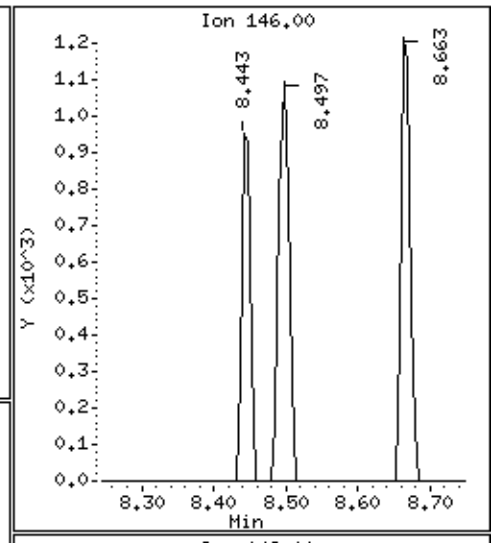
Concentration: 0.123 ppb

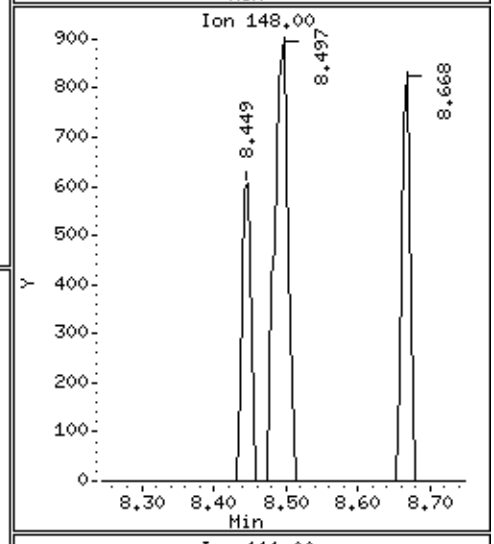


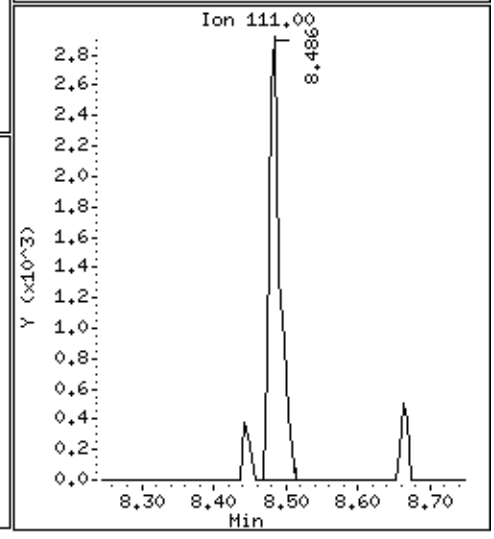












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

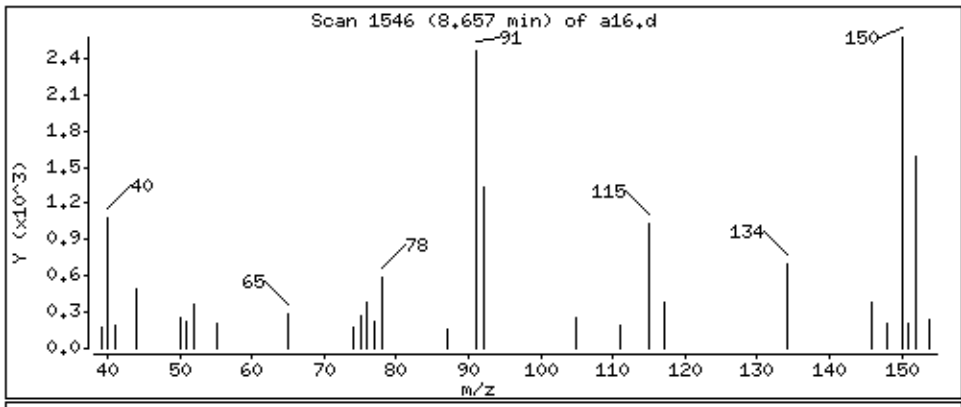
Operator: ala

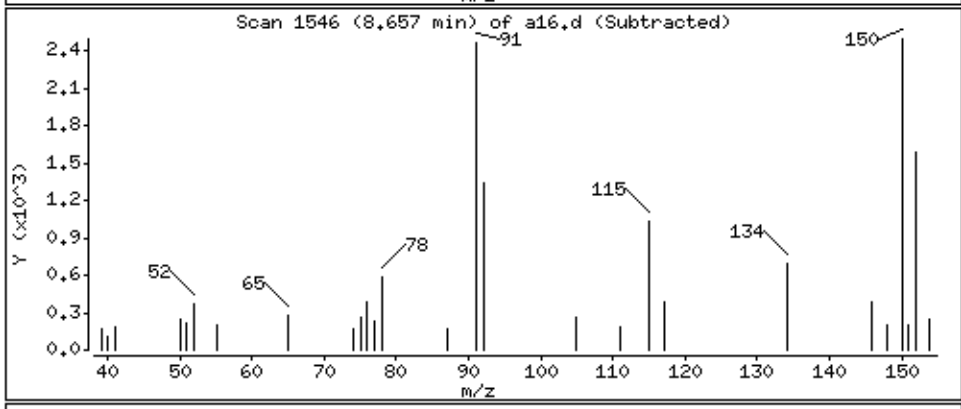
Column phase: DB-624

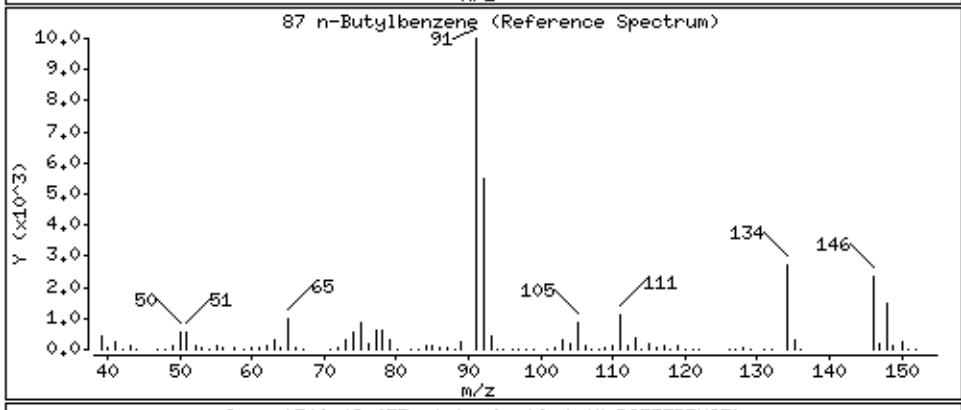
Column diameter: 0.18

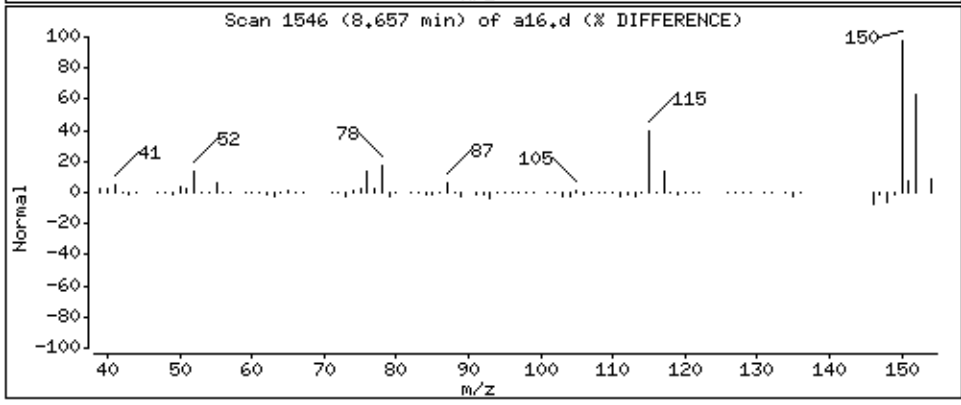
87 n-Butylbenzene

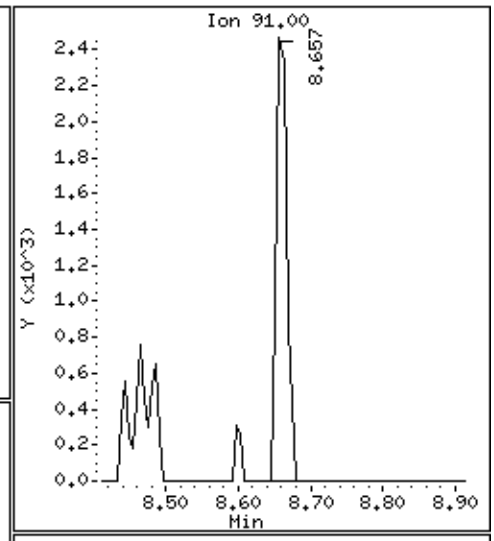
Concentration: 0.629 ppb

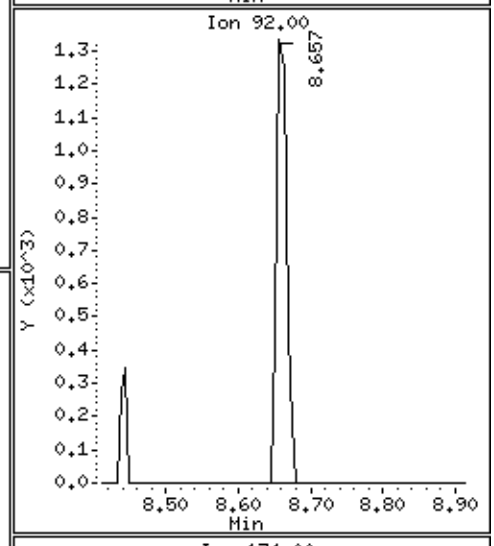


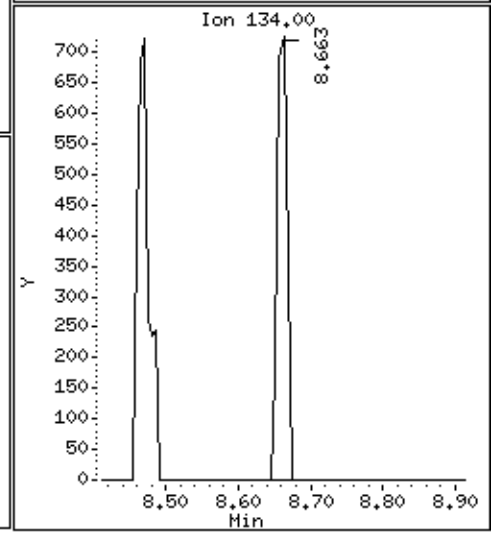












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a16.d

Date : 04-JUL-2014 00:12

Client ID: P-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765007

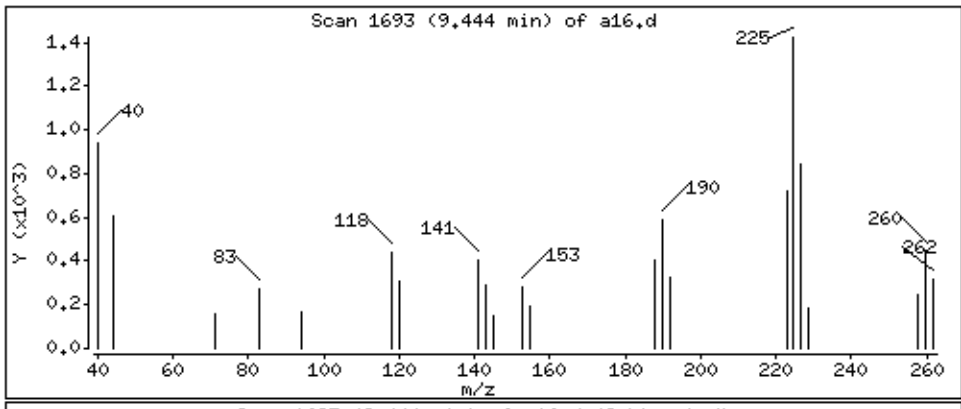
Operator: ala

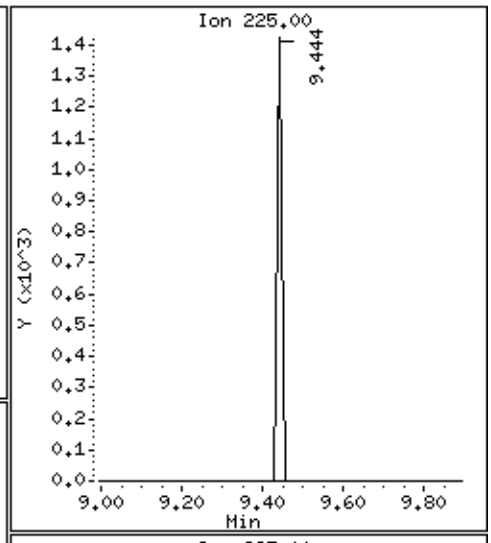
Column phase: DB-624

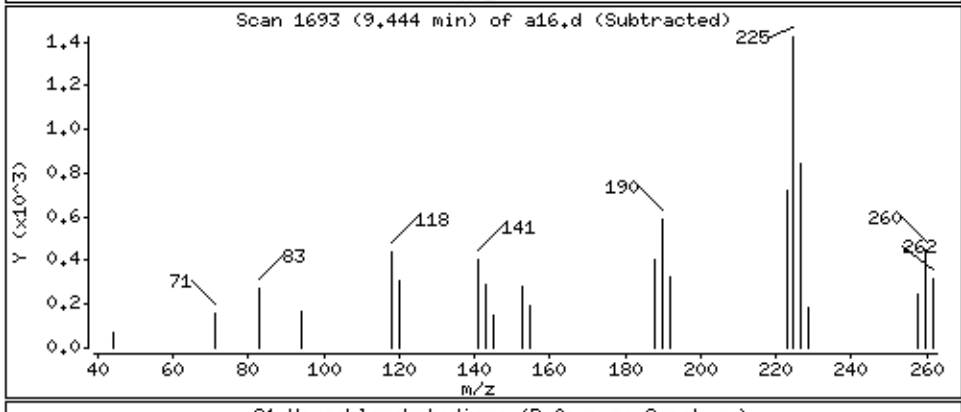
Column diameter: 0.18

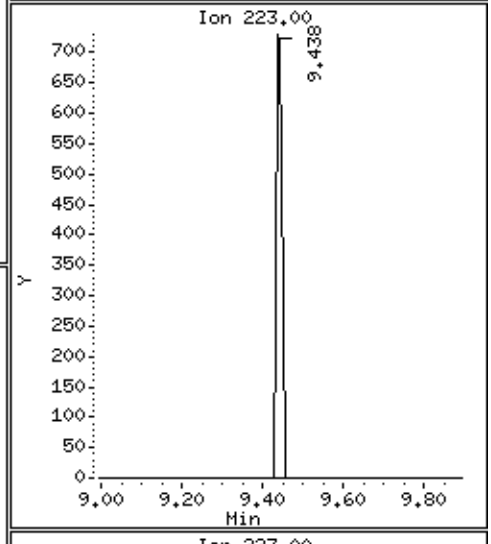
91 Hexachlorobutadiene

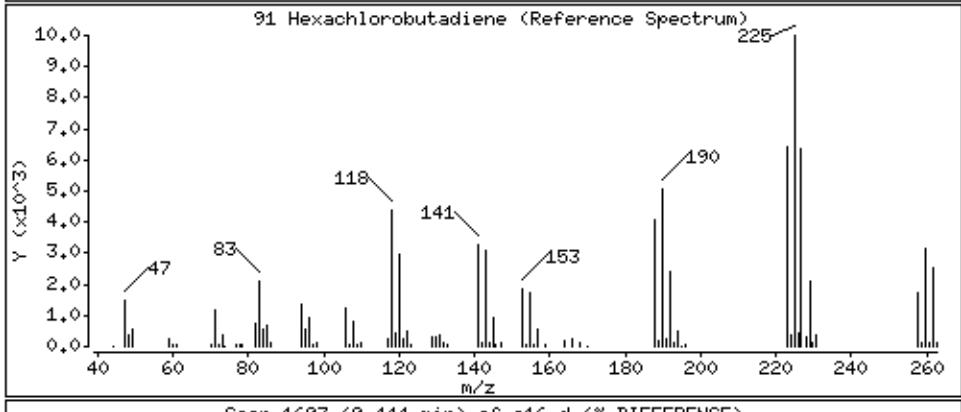
Concentration: 0.372 ppb

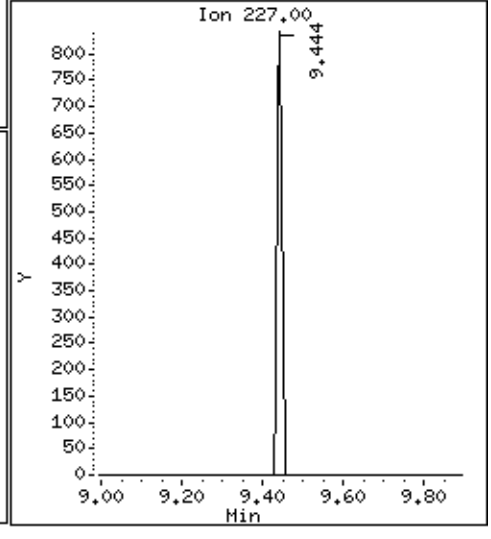


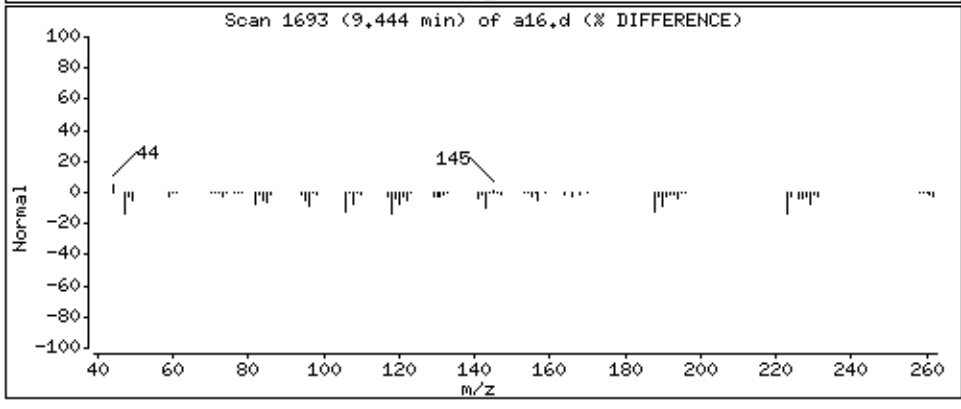












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a16.d
Injection Date: 04-JUL-2014 00:12
Instrument: 50mv6b.i
Lab Sample ID: 5099765007
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

P-1 (18-20)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 00:39 Lab Sample ID: 5099765008

Date Analyzed: 07/04/2014 00:39 Lab File ID: B070314CAL.B\A17.D

Initial wt/vol: 5.692 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 13.1%

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

SAMPLE NO.

P-1 (18-20)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 00:39 Lab Sample ID: 5099765008

Date Analyzed: 07/04/2014 00:39 Lab File ID: B070314CAL.B\A17.D

Initial wt/vol: 5.692 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 13.1%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d
Lab Smp Id: 5099765008 Client Smp ID: P-1 (18-20)
Inj Date : 04-JUL-2014 00:39
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765008
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	13.122	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

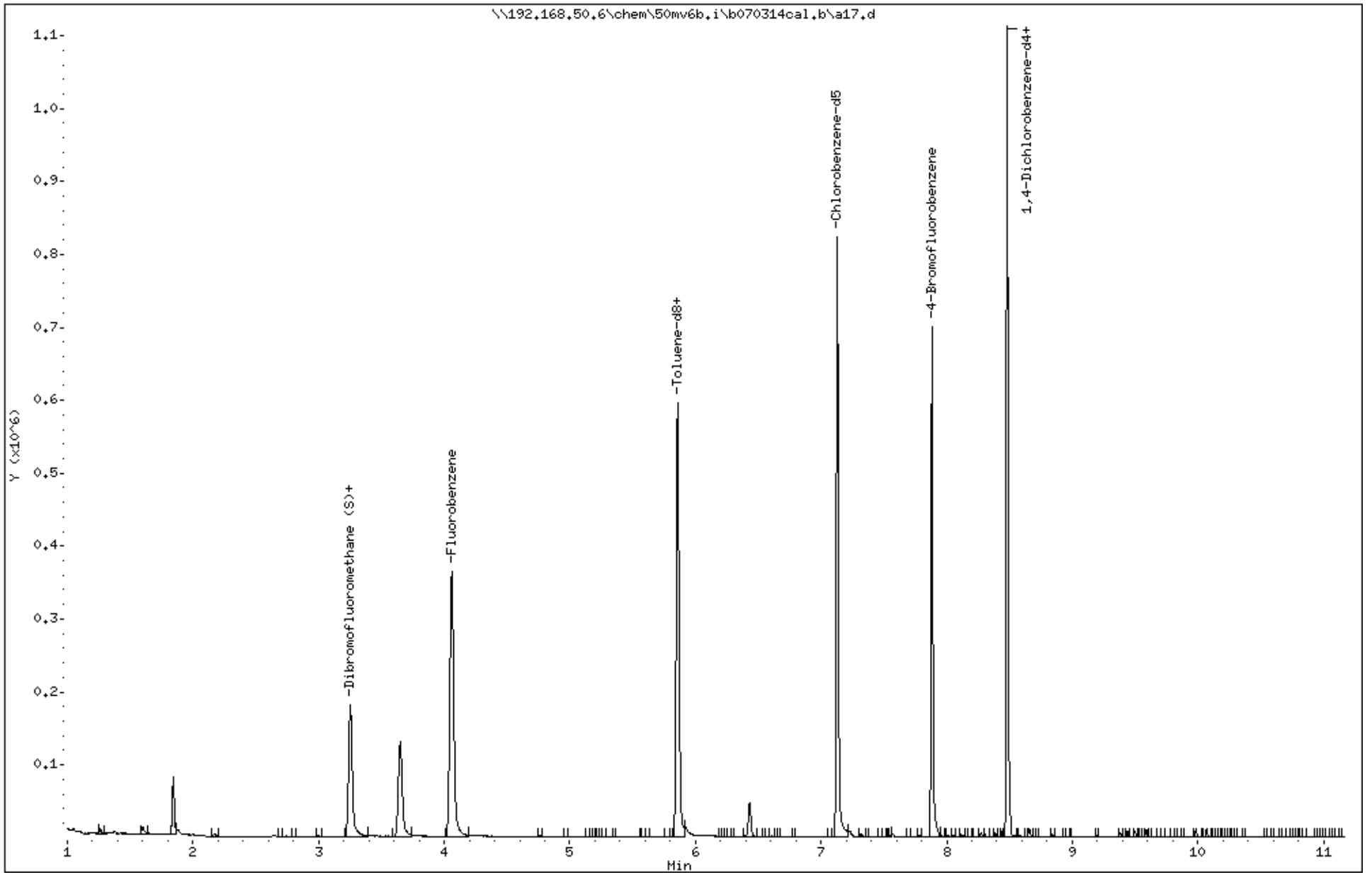
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.595	1.601	(0.393)	10235	6.34696	7.30
	17 Methylene Chloride	84	1.841	1.841	(0.453)	28267	3.30491	3.80
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.801)	123402	56.1930	64.7
	34 1,1,1-Trichloroethane	97	3.243	3.248	(0.798)	1316	0.37496	0.432
*	41 Fluorobenzene	96	4.062	4.067	(1.000)	424035	50.0000	
$	51 Toluene-d8	98	5.859	5.859	(0.821)	378946	47.0459	54.2
	52 Toluene	91	5.929	5.928	(0.831)	3891	0.31482	0.362
	56 Tetrachloroethene	166	6.431	6.431	(0.902)	11789	3.43629	3.96
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	341794	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	144380	52.8262	60.8
	78 1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	1348	2.99500	3.45
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	1723	2.77318	3.19
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	190127	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	855	0.11431	0.132(Q)
	91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	857	0.32553	0.375

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d
Date : 04-JUL-2014 00:39
Client ID: P-1 (18-20)
Sample Info: 5099765008

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

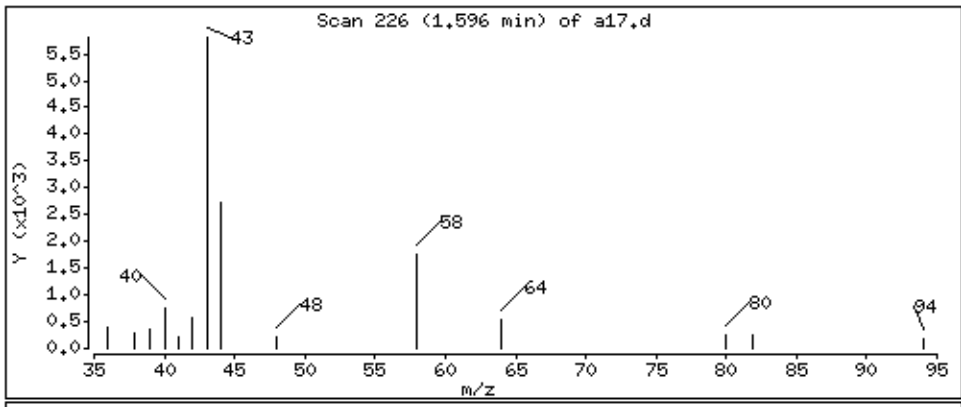
Operator: ala

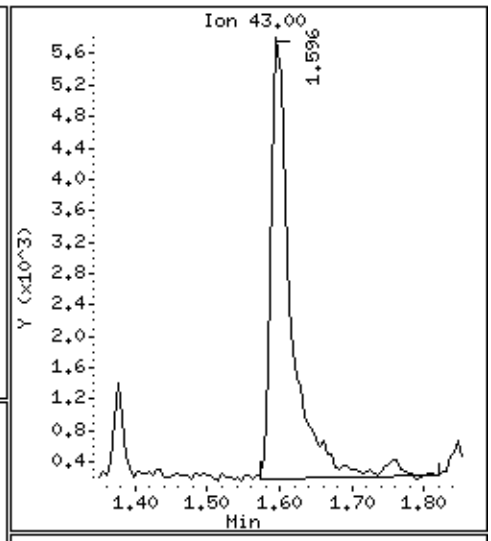
Column phase: DB-624

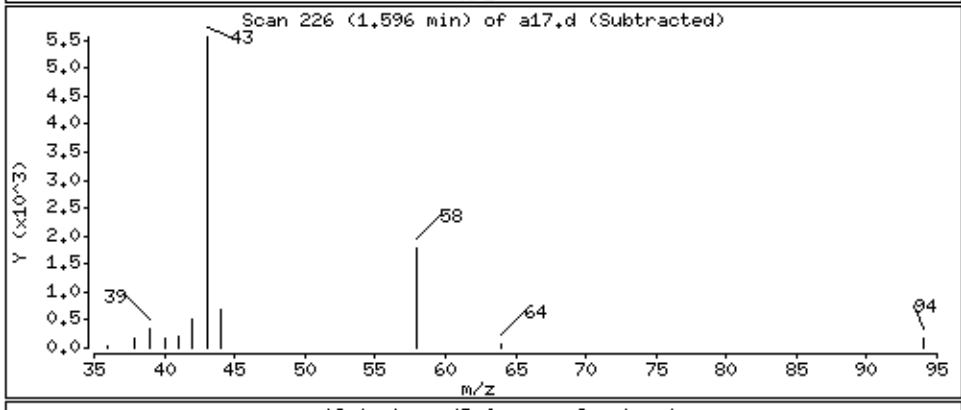
Column diameter: 0.18

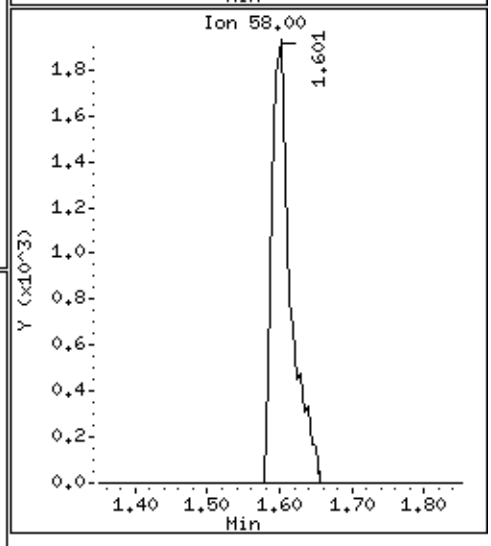
12 Acetone

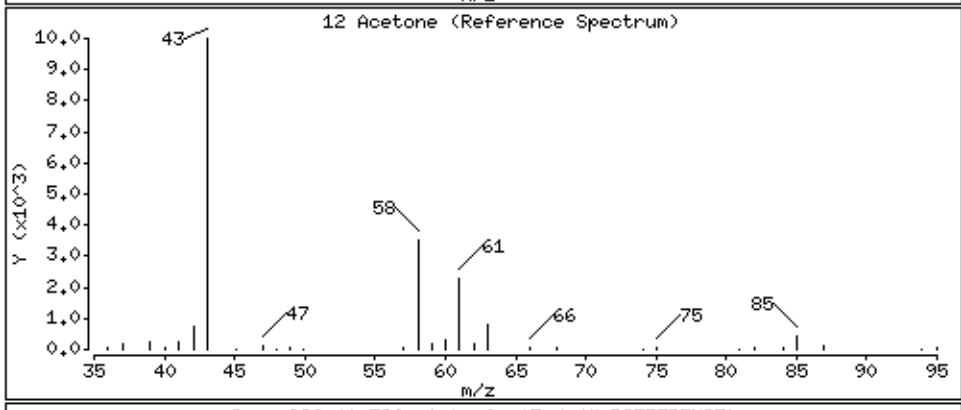
Concentration: 7.30 ppb

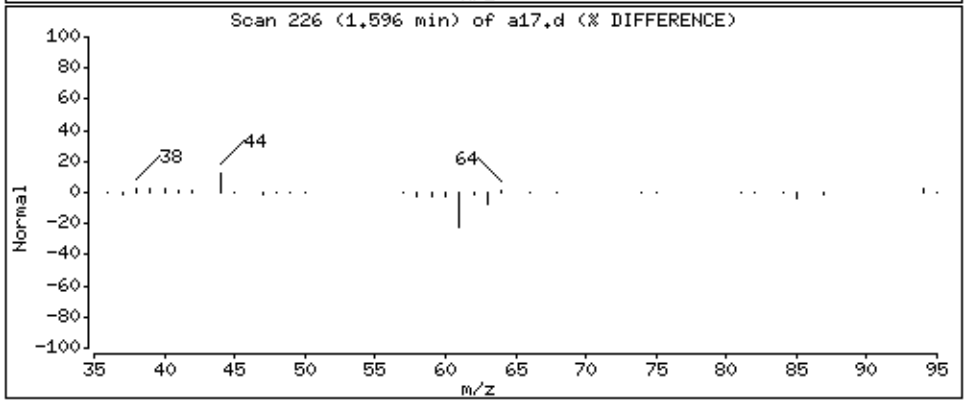












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Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

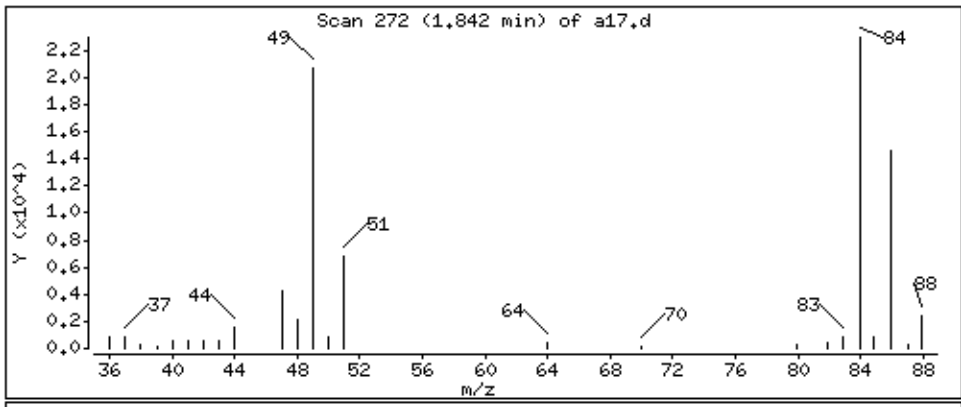
Operator: ala

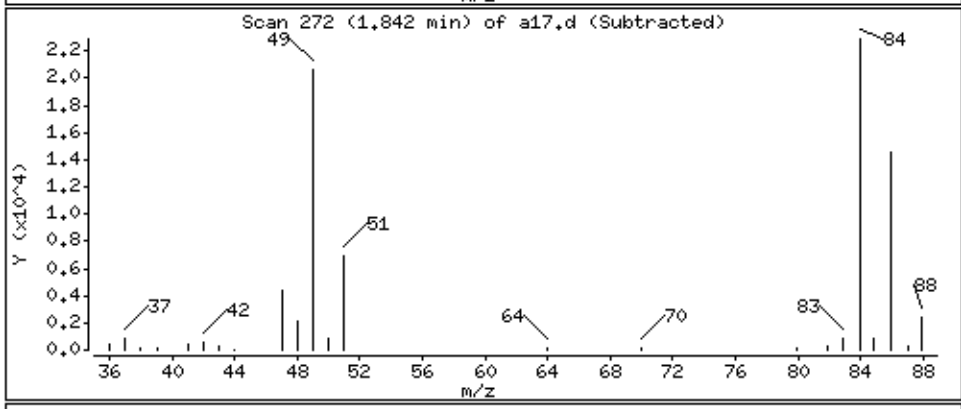
Column phase: DB-624

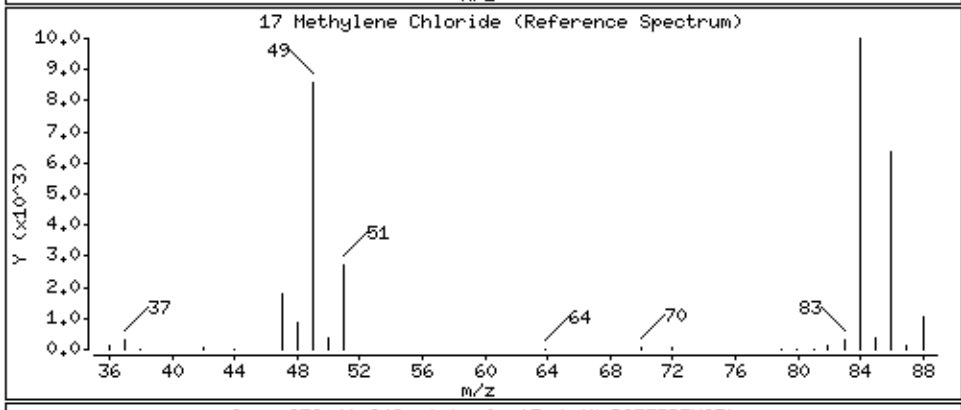
Column diameter: 0.18

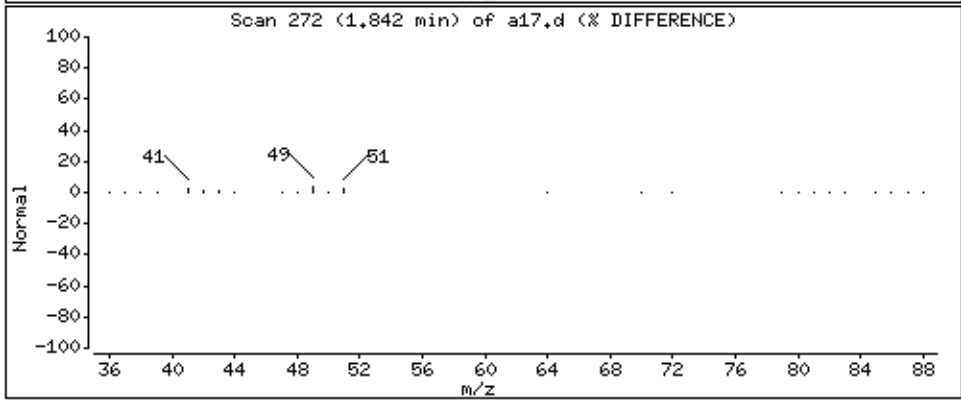
17 Methylene Chloride

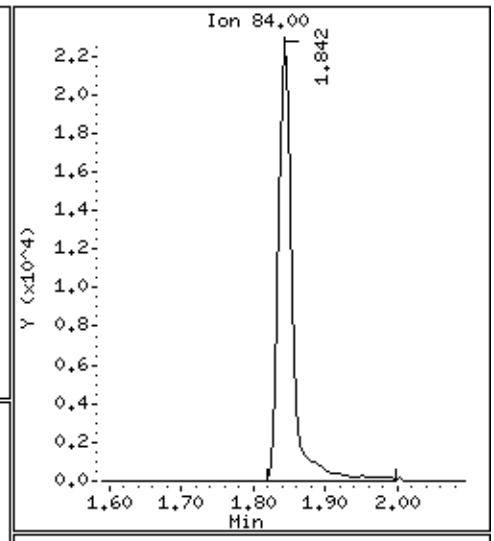
Concentration: 3.80 ppb

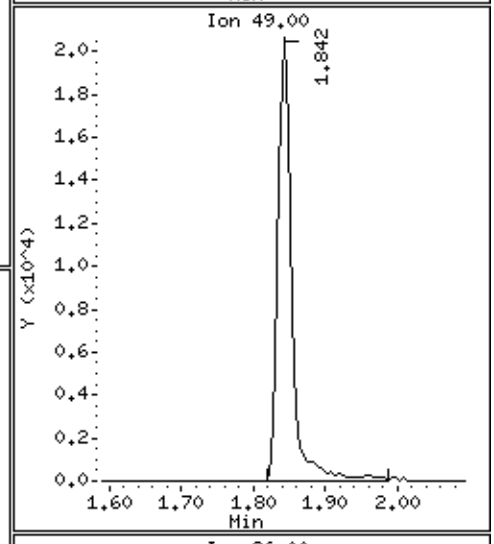


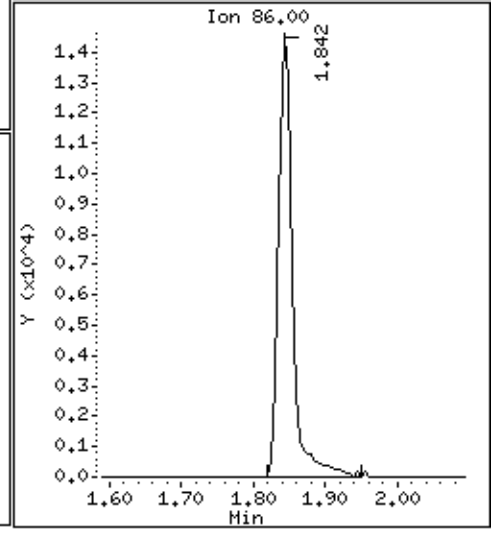












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

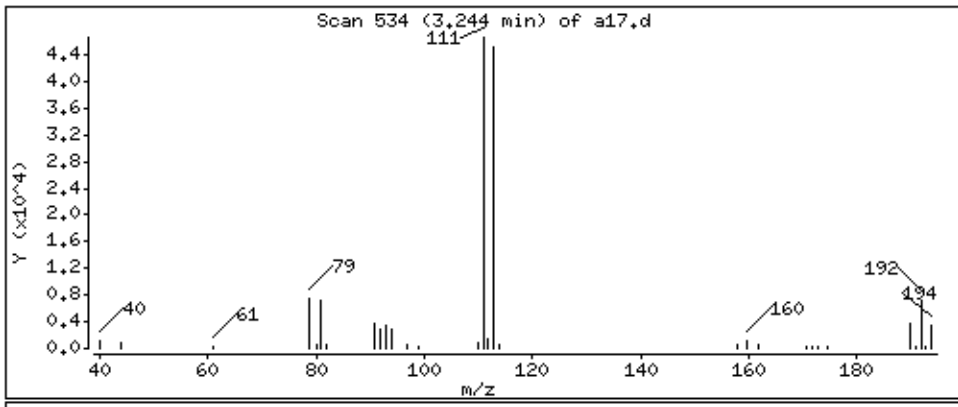
Operator: ala

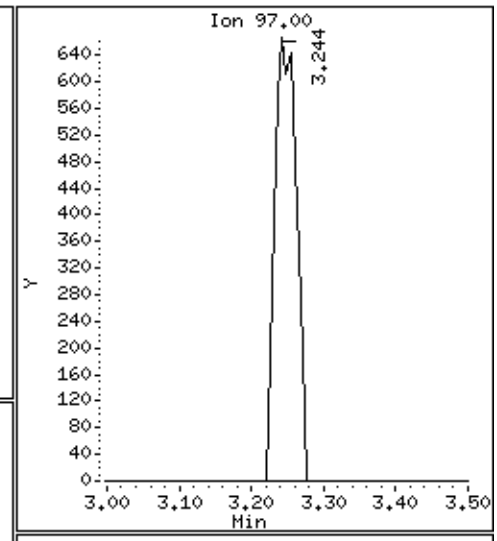
Column phase: DB-624

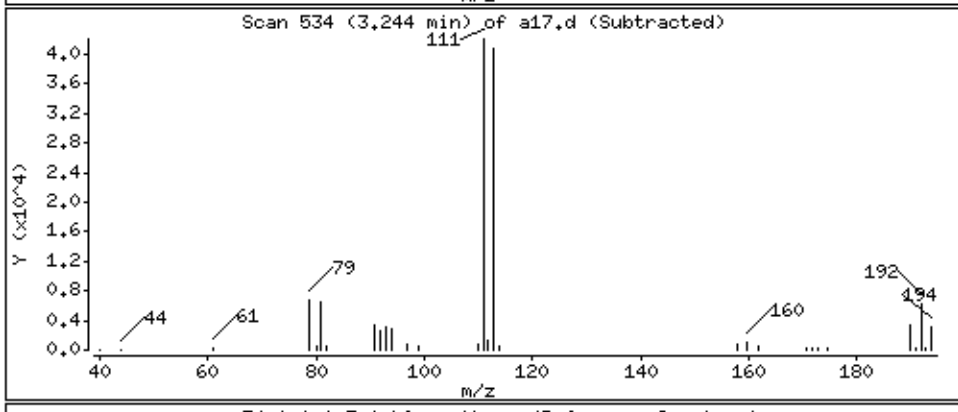
Column diameter: 0.18

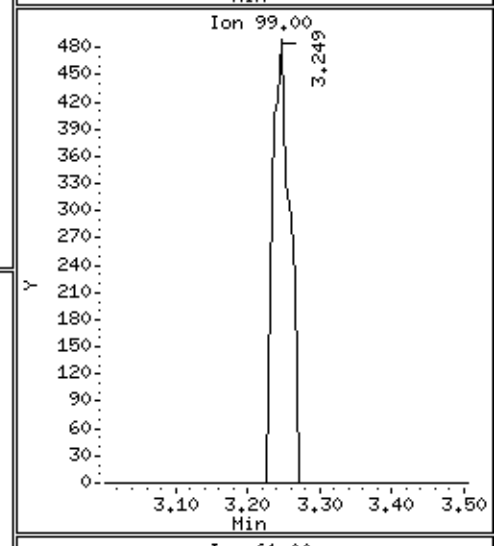
34 1,1,1-Trichloroethane

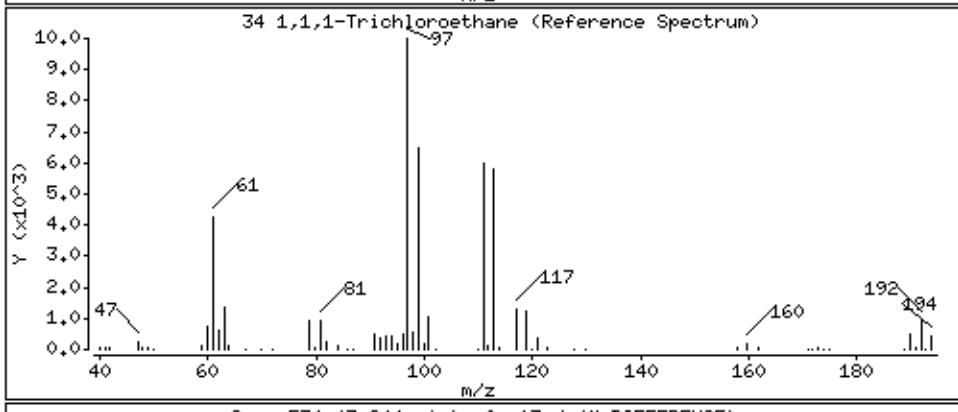
Concentration: 0.432 ppb

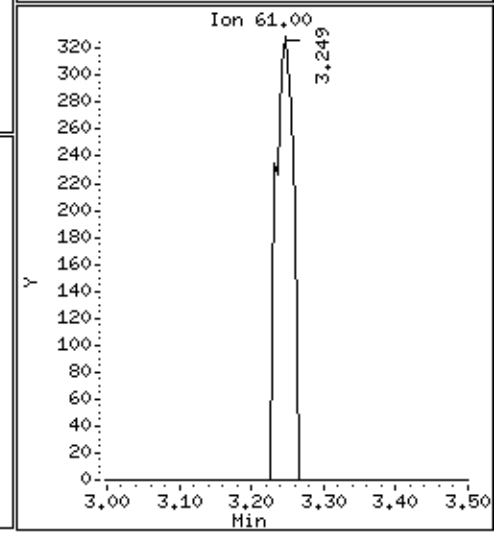


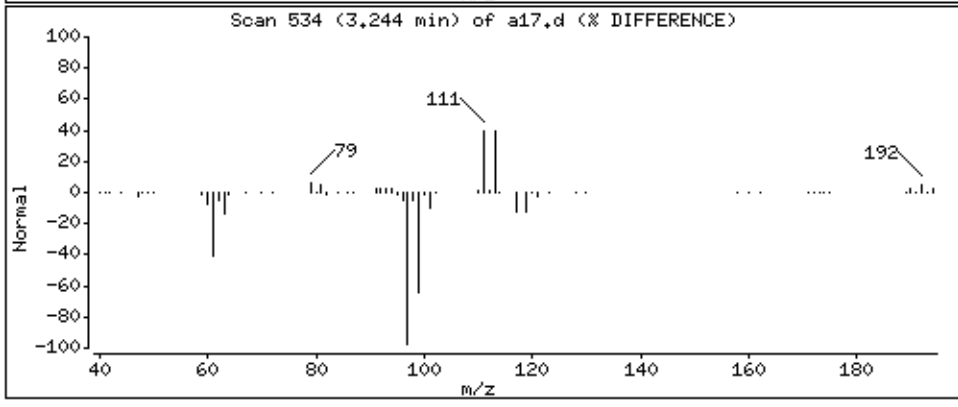












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

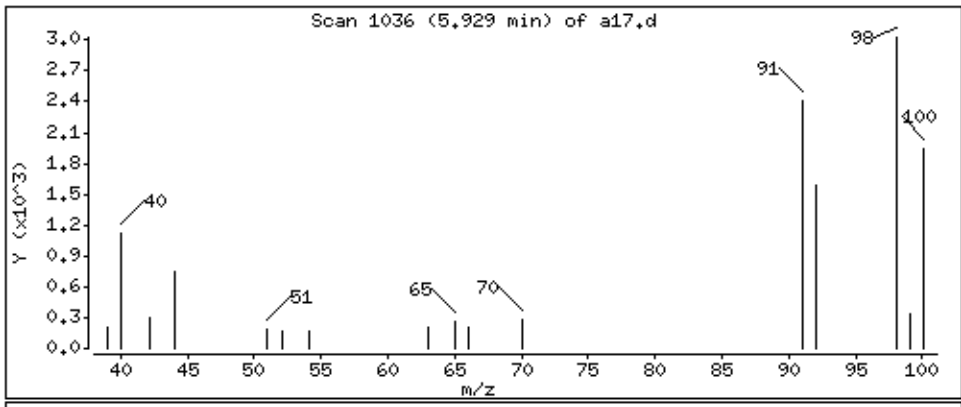
Operator: ala

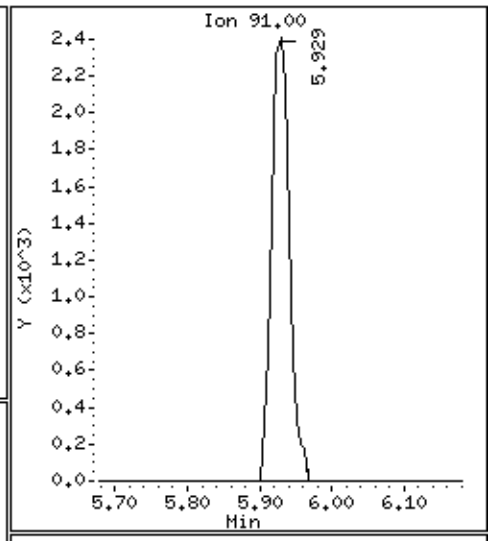
Column phase: DB-624

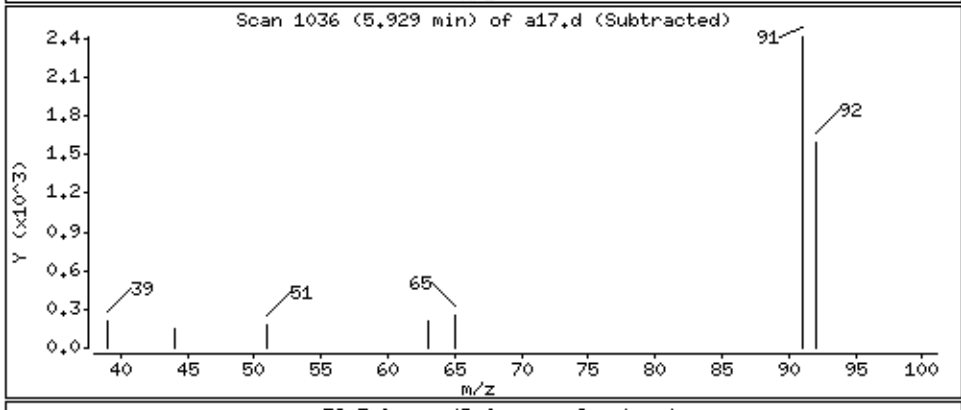
Column diameter: 0.18

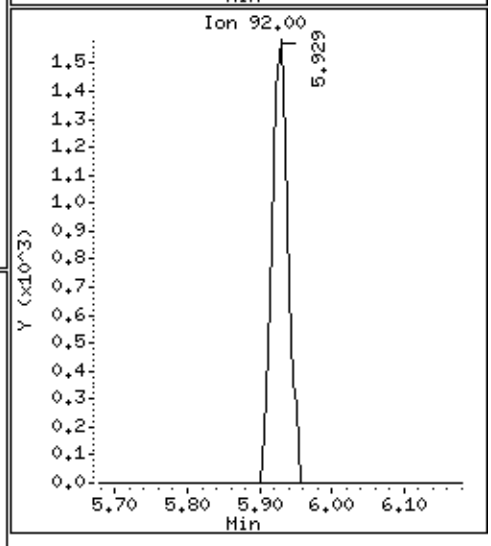
52 Toluene

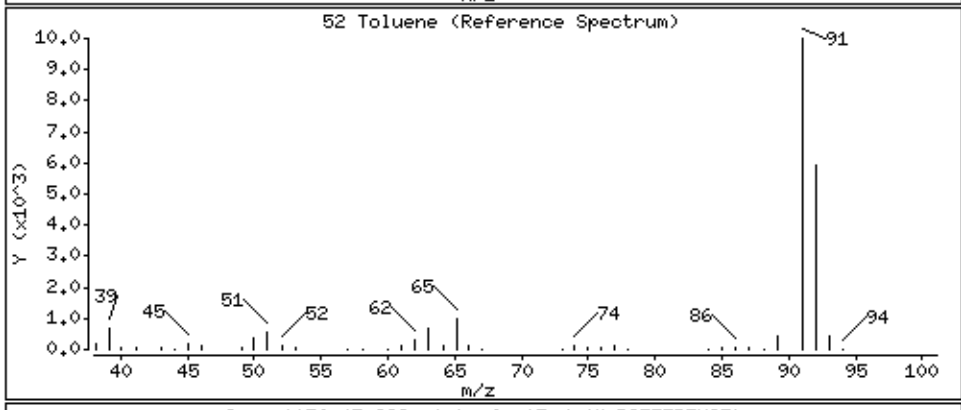
Concentration: 0.362 ppb

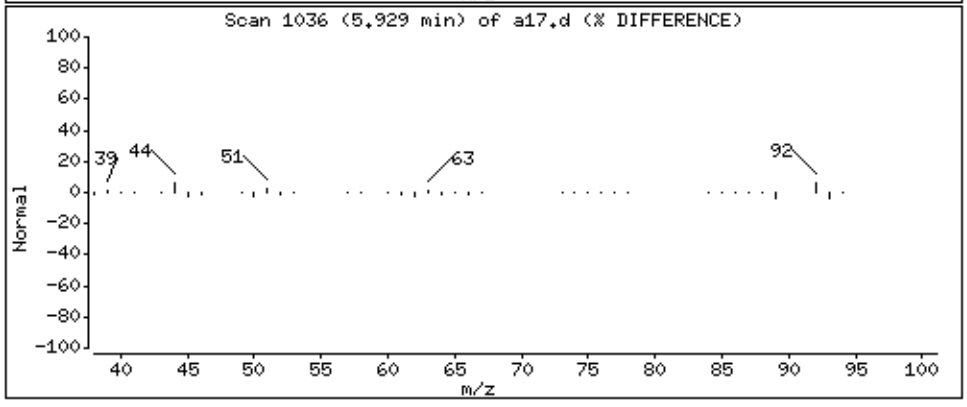












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

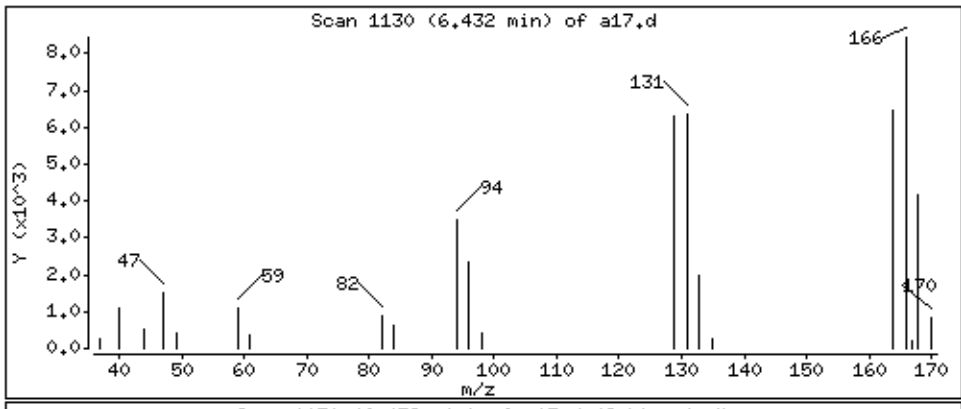
Operator: ala

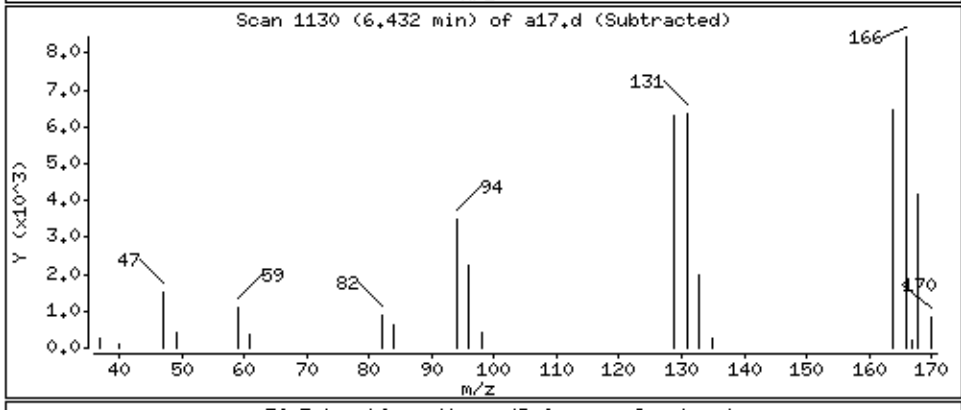
Column phase: DB-624

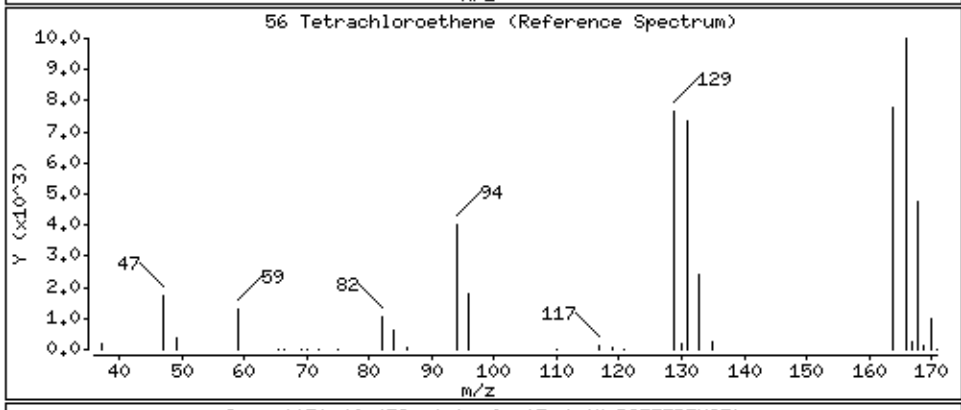
Column diameter: 0.18

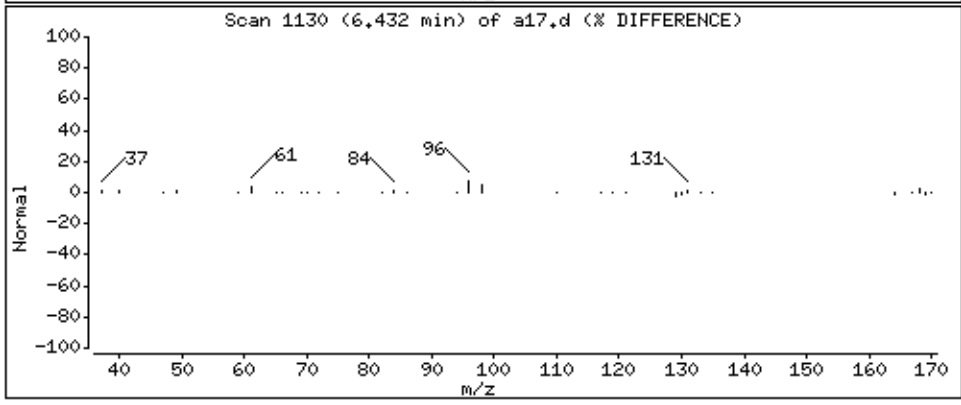
56 Tetrachloroethene

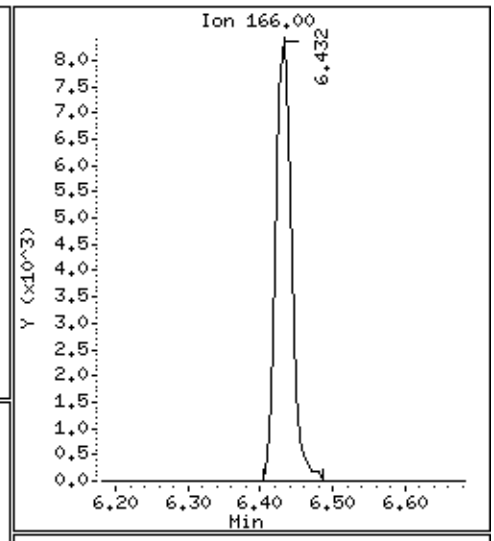
Concentration: 3.96 ppb

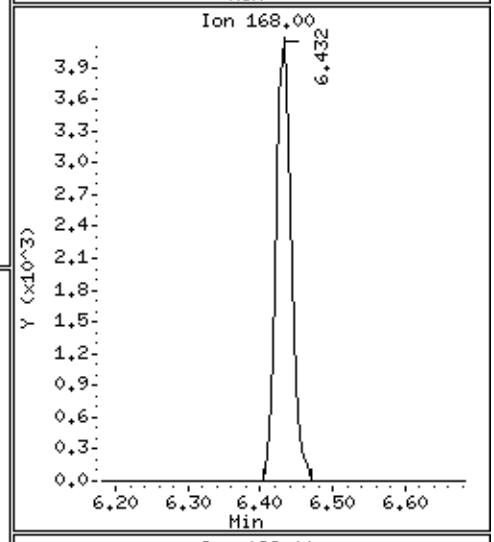


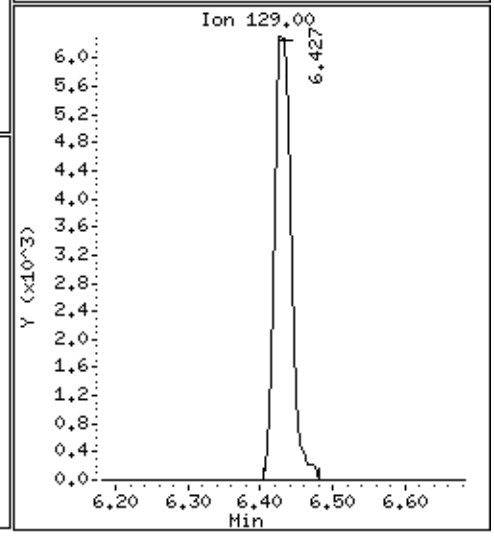












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

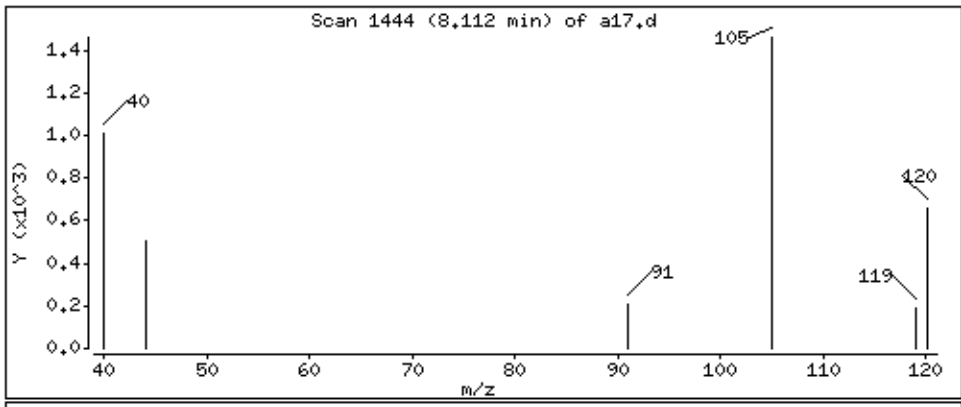
Operator: ala

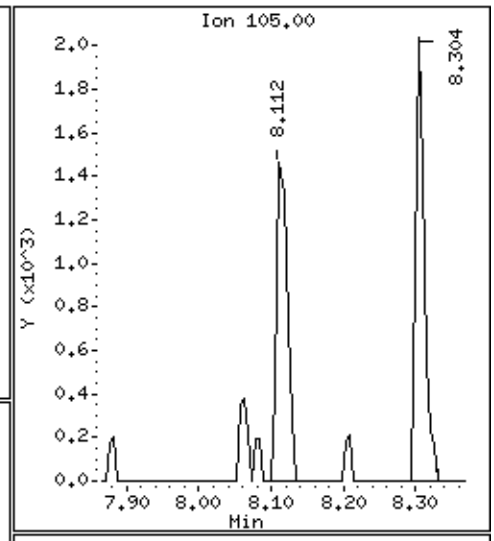
Column phase: DB-624

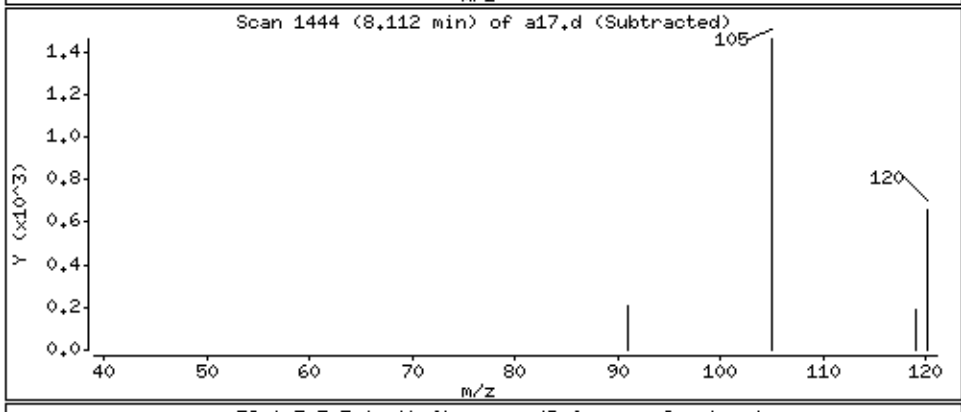
Column diameter: 0.18

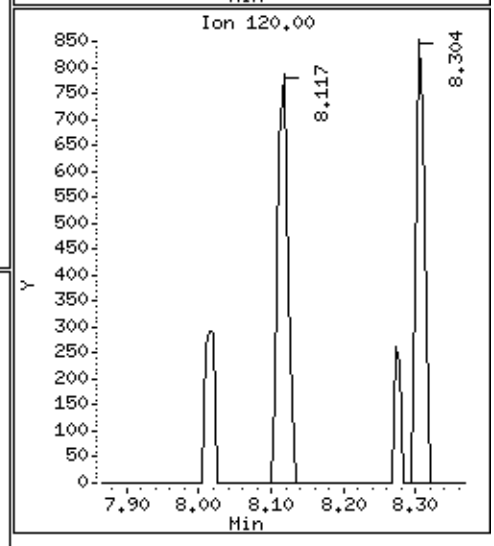
78 1,3,5-Trimethylbenzene

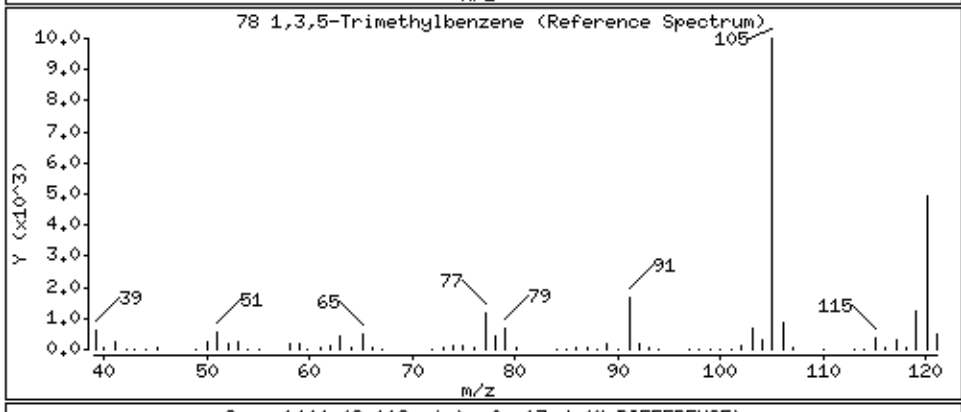
Concentration: 3.45 ppb

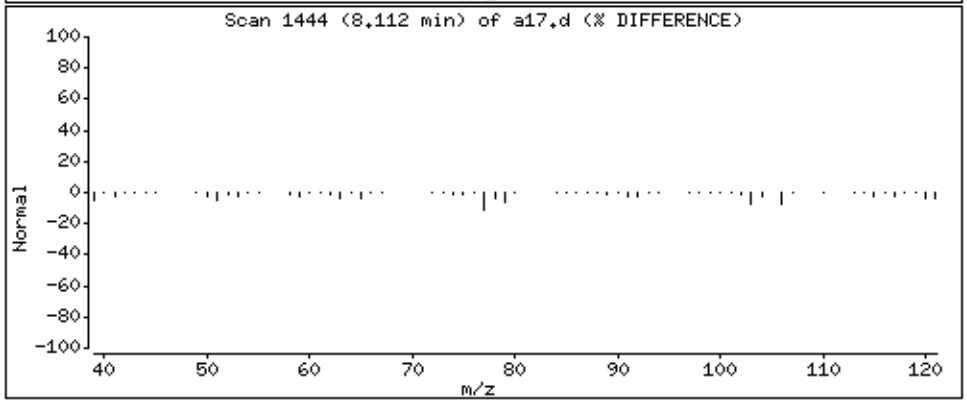












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Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

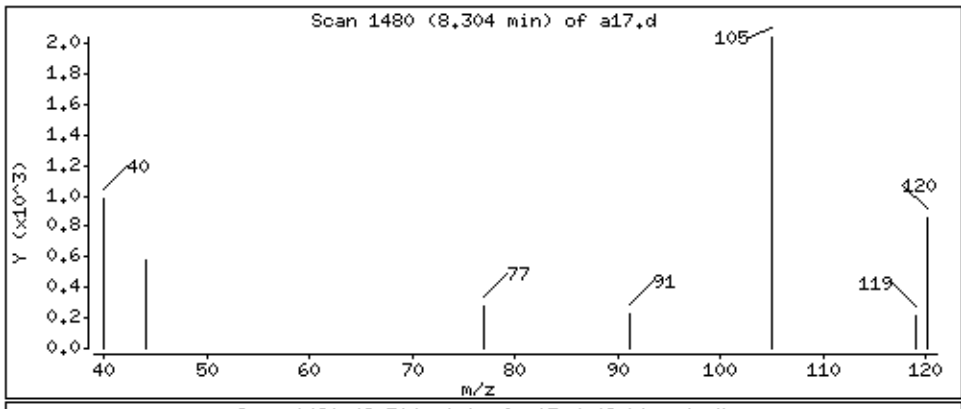
Operator: ala

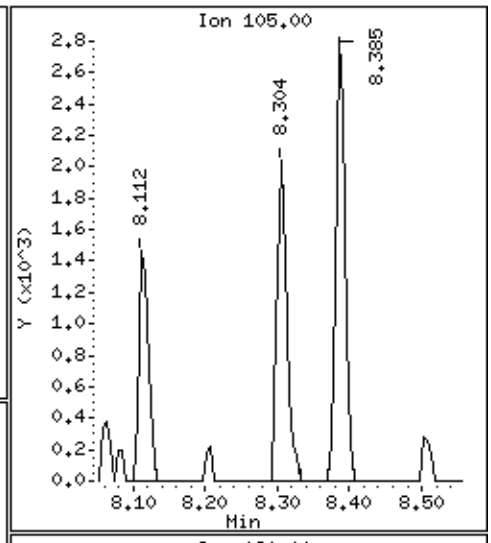
Column phase: DB-624

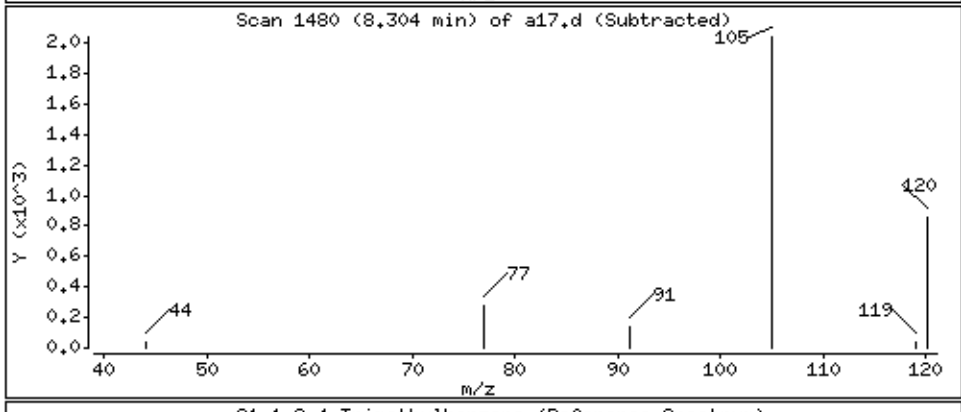
Column diameter: 0.18

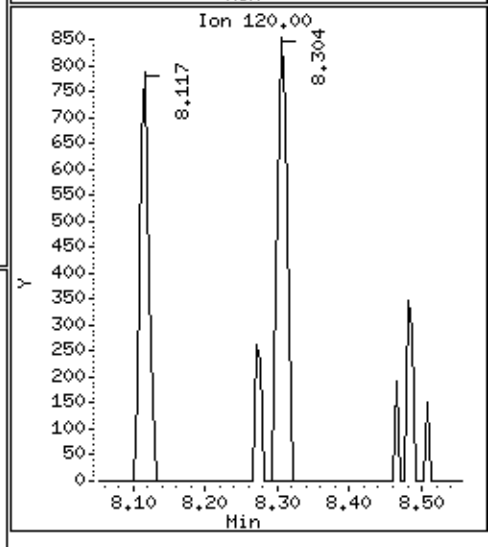
81 1,2,4-Trimethylbenzene

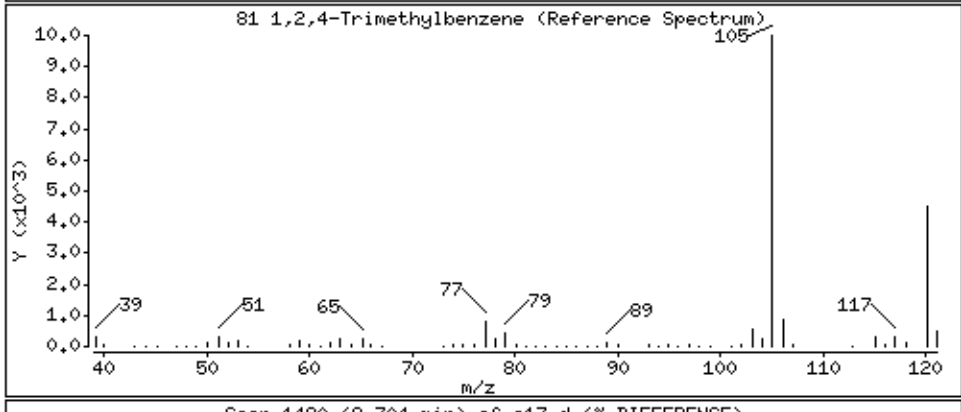
Concentration: 3.19 ppb

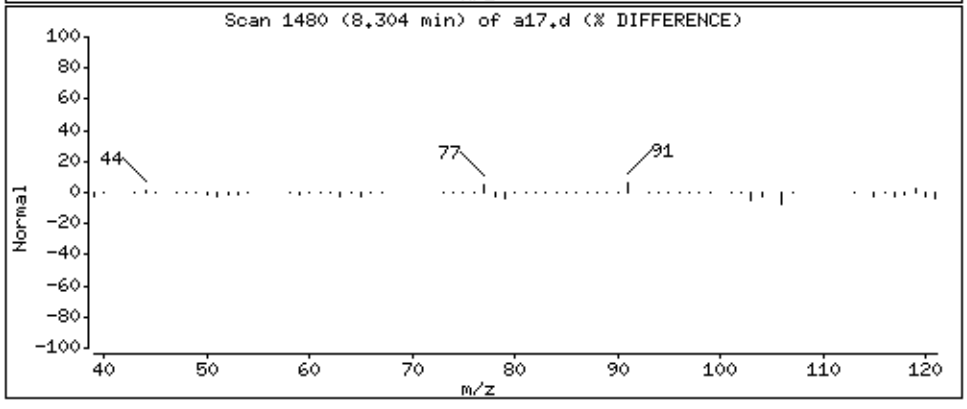












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

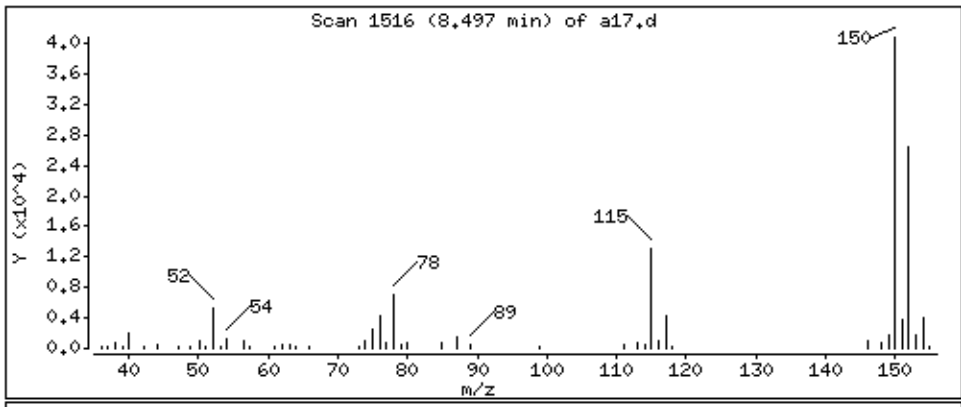
Operator: ala

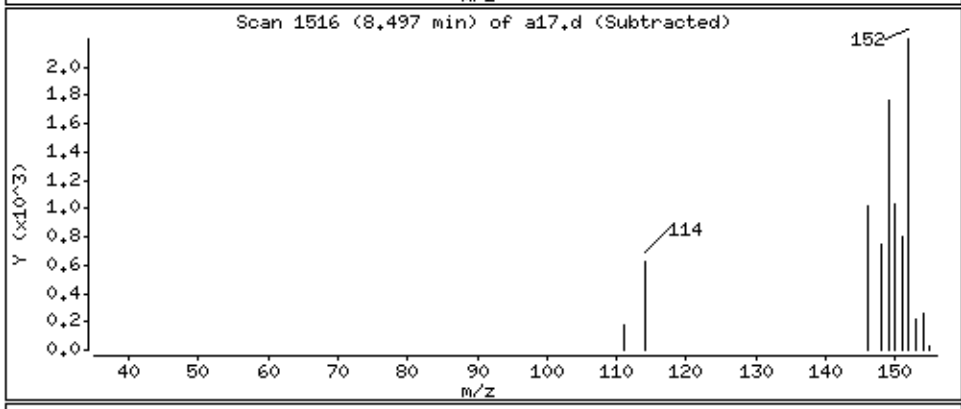
Column phase: DB-624

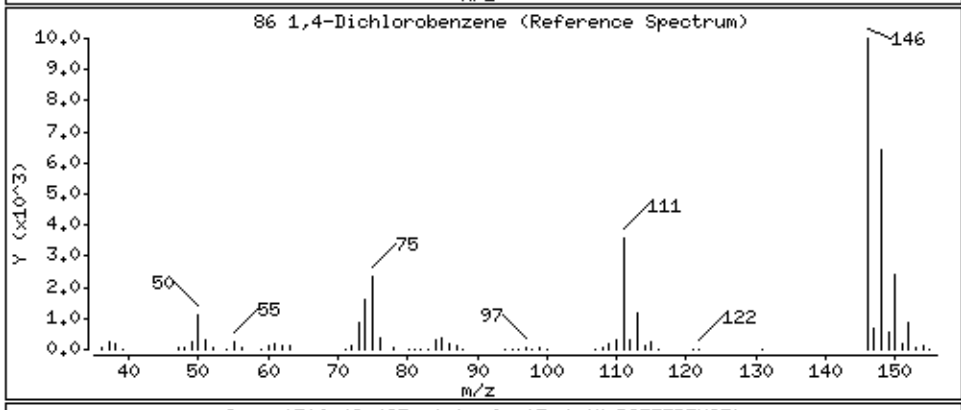
Column diameter: 0.18

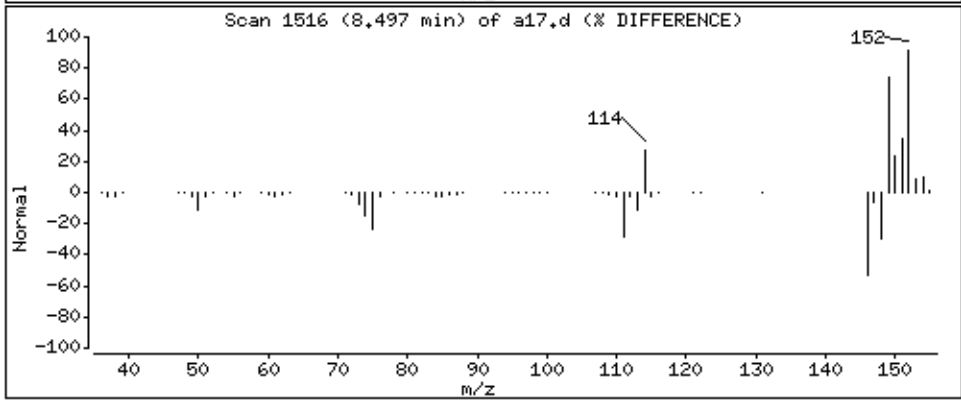
86 1,4-Dichlorobenzene

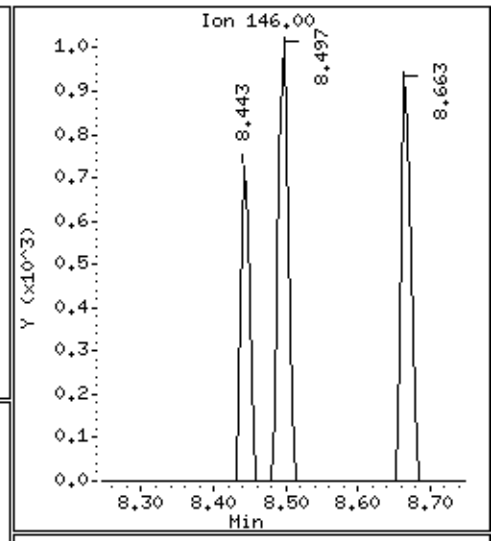
Concentration: 0.132 ppb

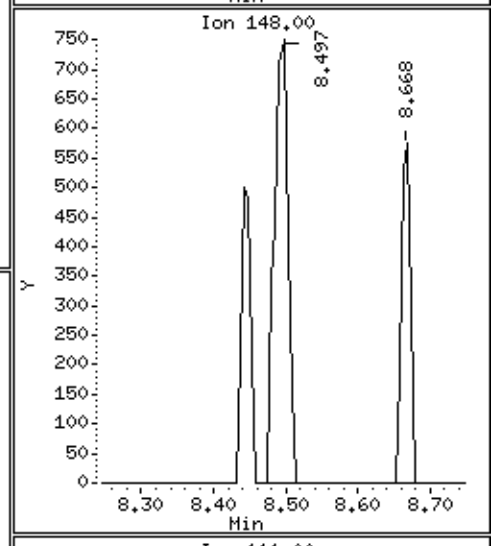


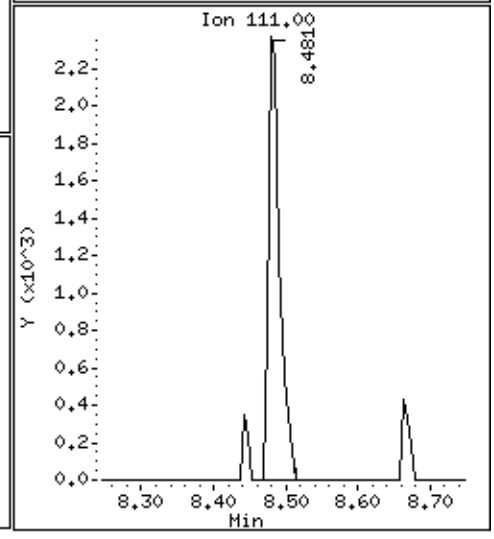












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a17.d

Date : 04-JUL-2014 00:39

Client ID: P-1 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765008

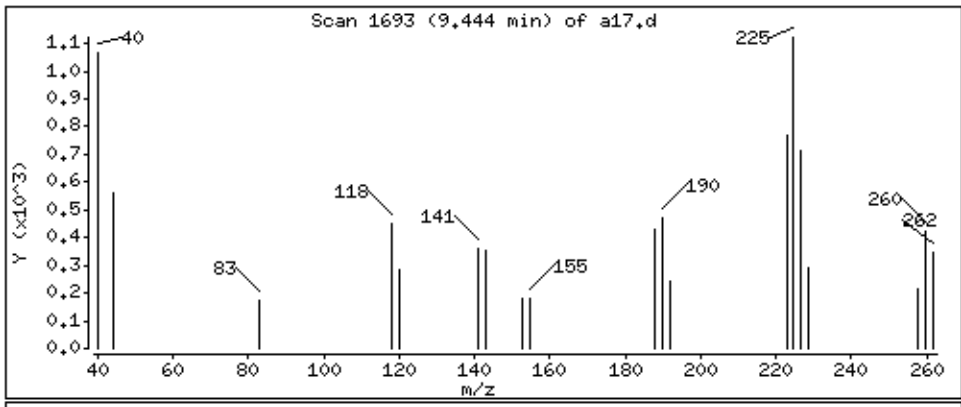
Operator: ala

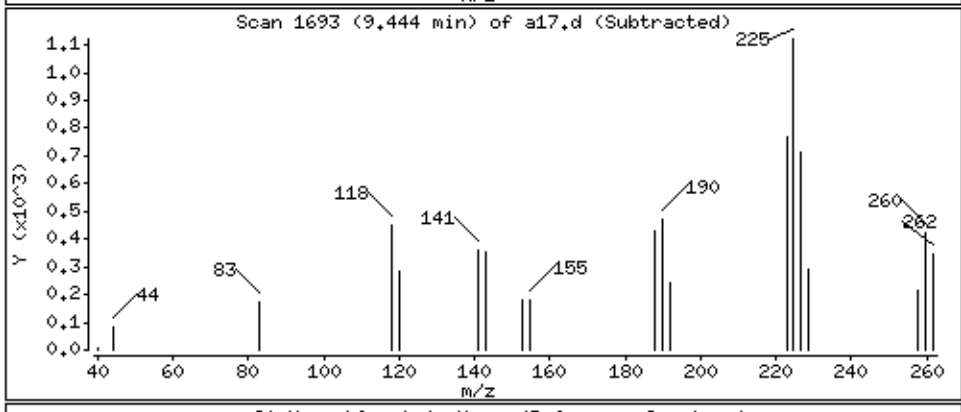
Column phase: DB-624

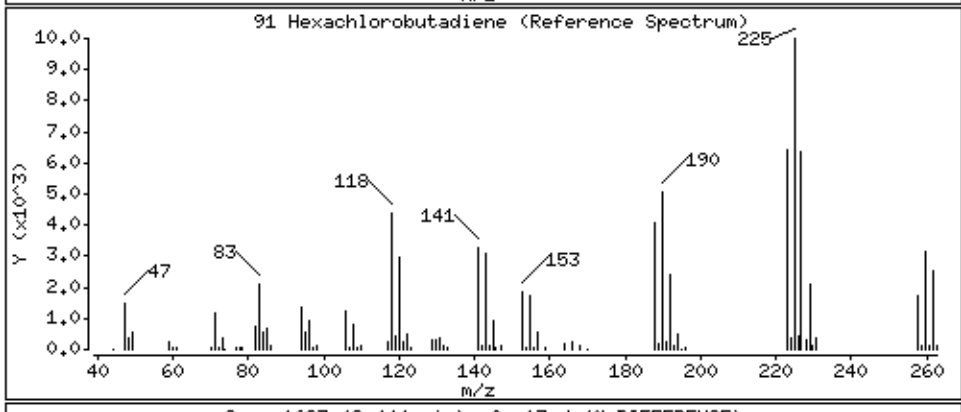
Column diameter: 0.18

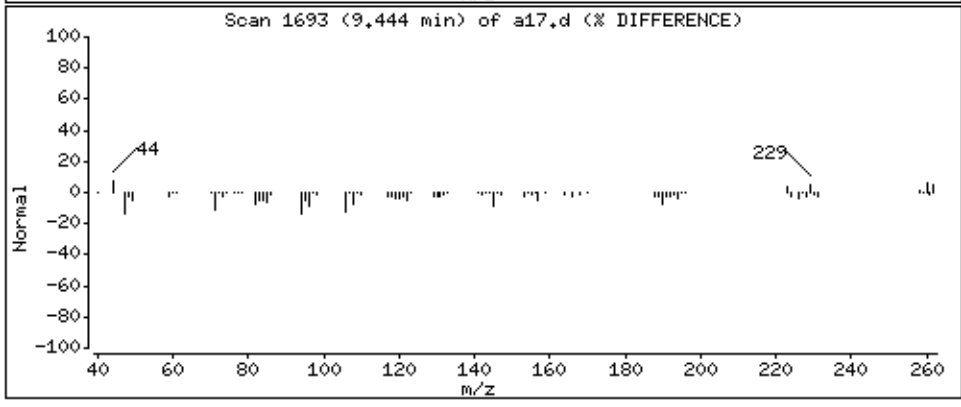
91 Hexachlorobutadiene

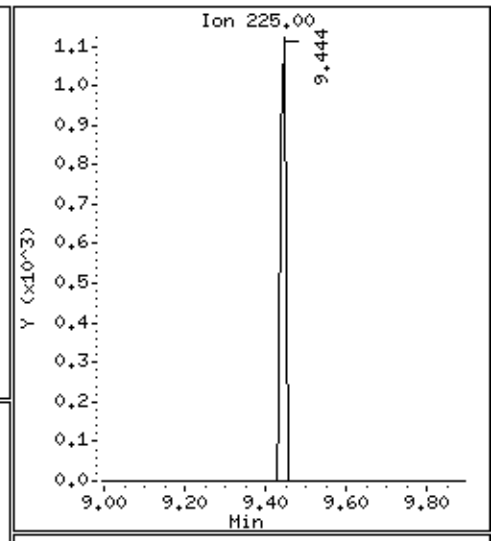
Concentration: 0.375 ppb

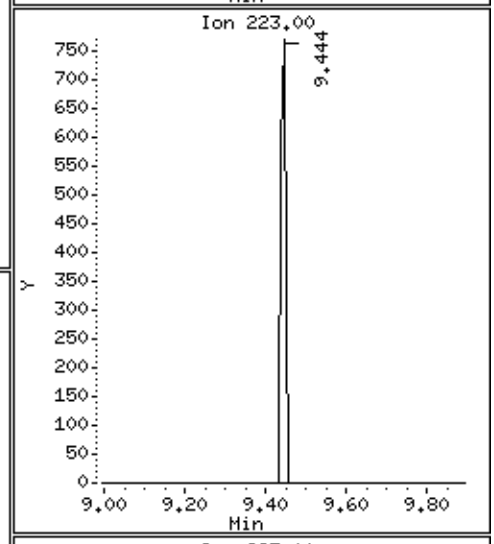


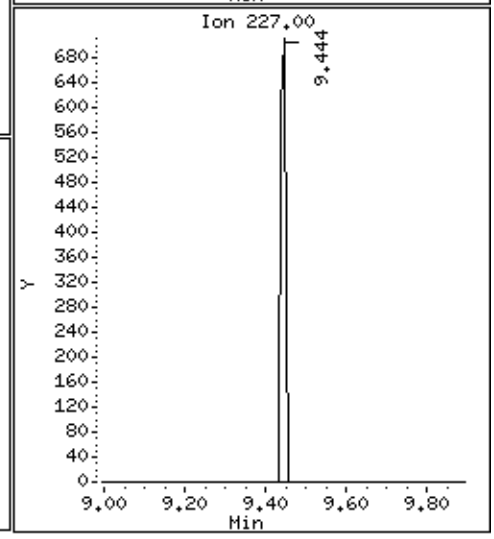












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a17.d
Injection Date: 04-JUL-2014 00:39
Instrument: 50mv6b.i
Lab Sample ID: 5099765008
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

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

TMW-1 (1-3)

Lab Name: Pace Analytical - Indiana | Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10 | Matrix: Solid | SDG No.: 5099765
Date Extracted: 07/04/2014 01:06 | Lab Sample ID: 5099765009
Date Analyzed: 07/04/2014 01:06 | Lab File ID: B070314CAL.B\A18.D
Initial wt/vol: 4.982 g | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV6B | Percent Moisture: 4.0%

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

SAMPLE NO.

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (1-3)

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 01:06 Lab Sample ID: 5099765009

Date Analyzed: 07/04/2014 01:06 Lab File ID: B070314CAL.B\A18.D

Initial wt/vol: 4.982 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 4.0%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d
Lab Smp Id: 5099765009 Client Smp ID: TMW-1 (1-3)
Inj Date : 04-JUL-2014 01:06
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765009
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	3.965	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

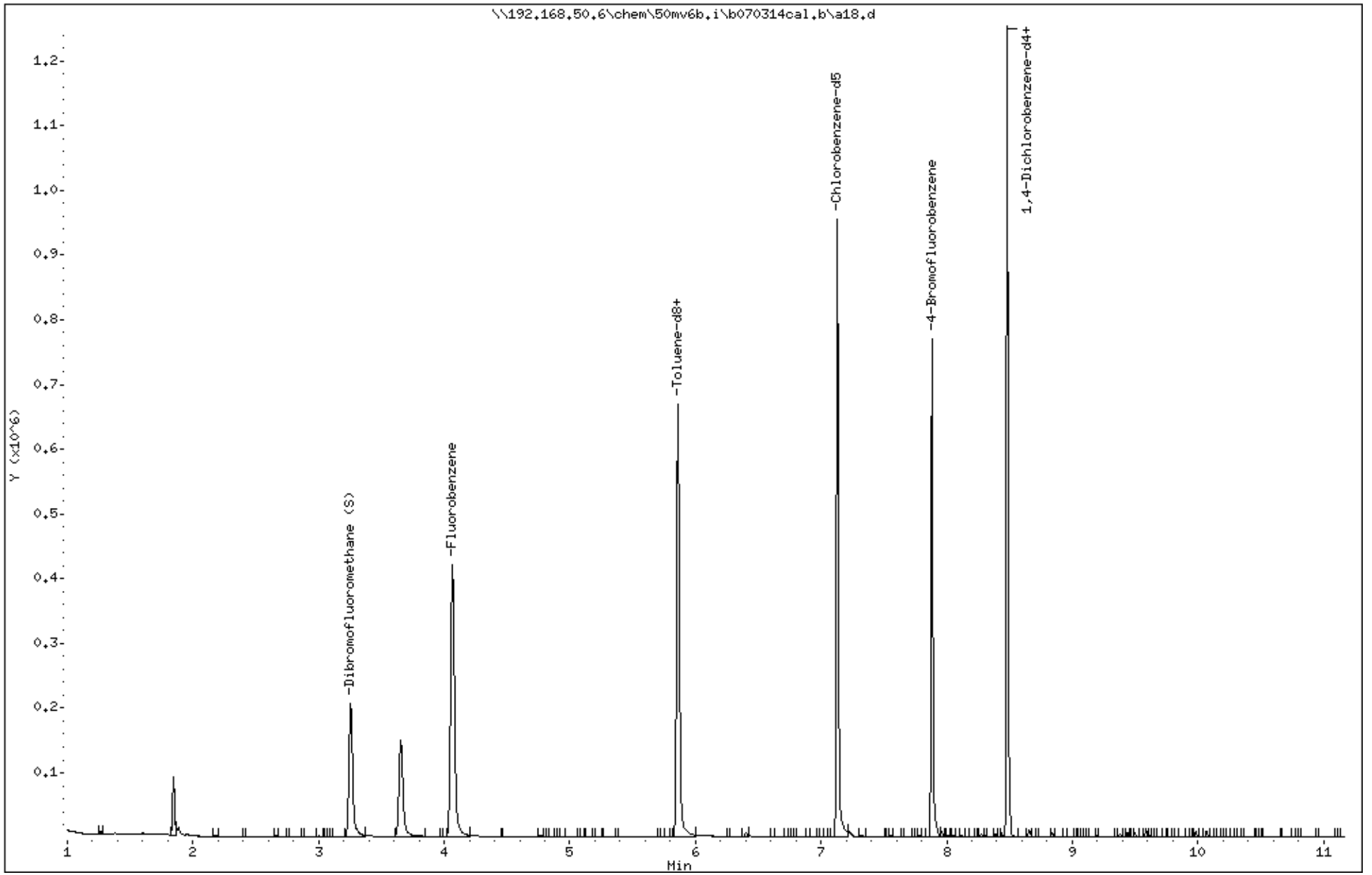
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.847	1.841	(0.454)	33154	3.53058	3.68
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	141037	55.5346	57.8
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	490378	50.0000	
$	51 Toluene-d8	98	5.859	5.859	(0.821)	430554	46.9678	48.9
	52 Toluene	91	5.929	5.928	(0.831)	1696	0.12058	0.126
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	388988	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	161375	51.8808	54.0
	78 1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	1103	2.96605	3.09
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	1294	2.72748	2.84
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	208346	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	767	0.09358	0.0974(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d
Date : 04-JUL-2014 01:06
Client ID: TMW-1 (1-3)
Sample Info: 5099765009

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d

Date : 04-JUL-2014 01:06

Client ID: TMW-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765009

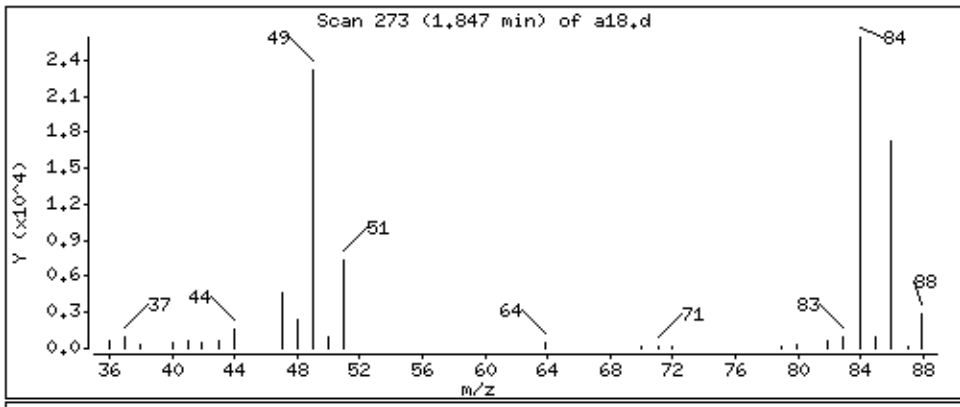
Operator: ala

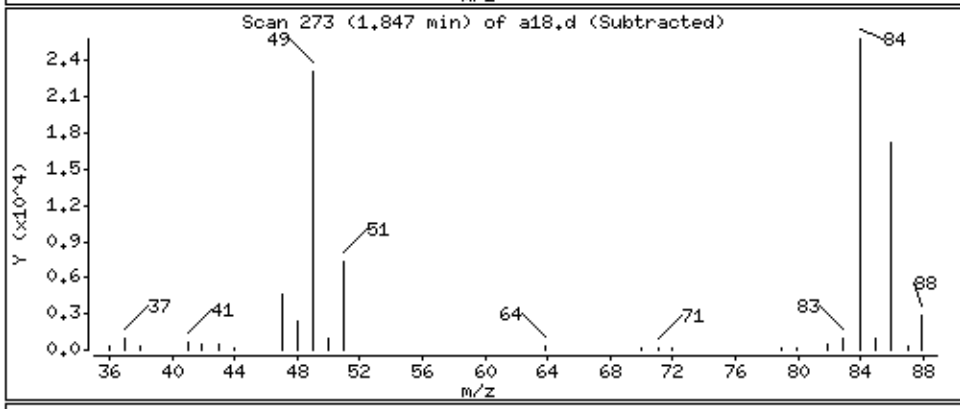
Column phase: DB-624

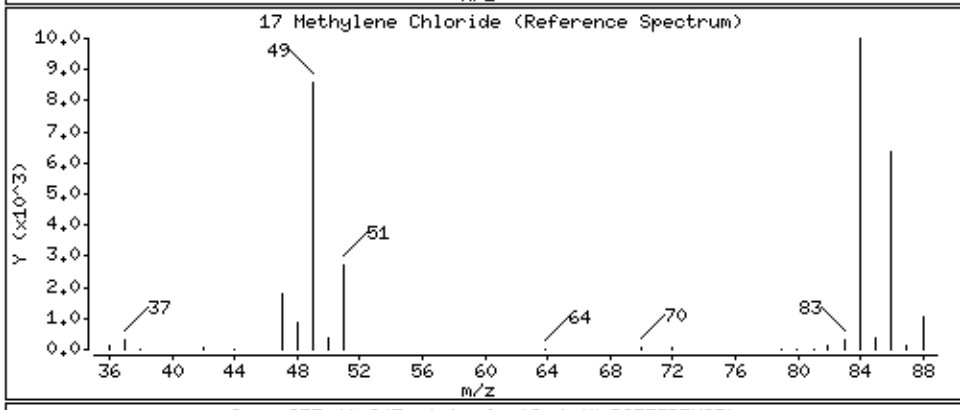
Column diameter: 0.18

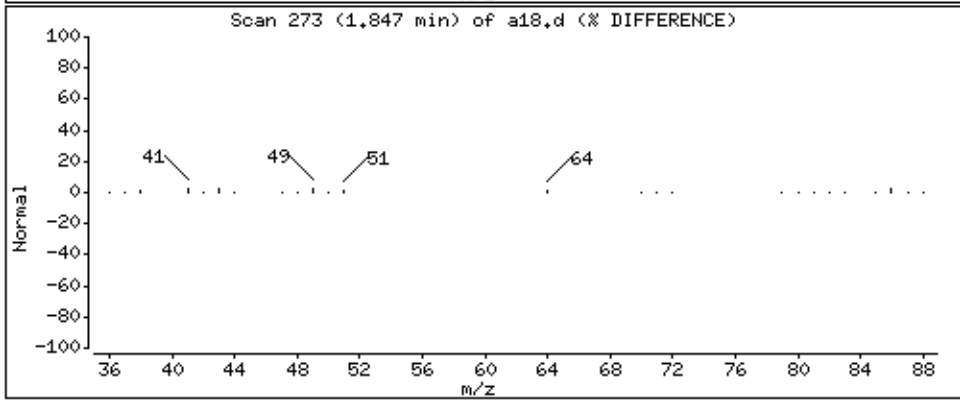
17 Methylene Chloride

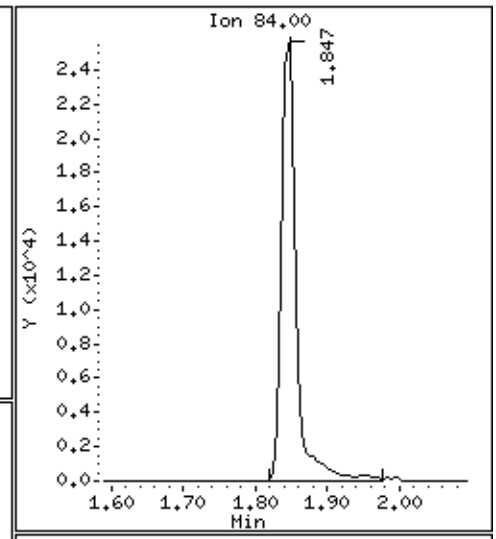
Concentration: 3.68 ppb

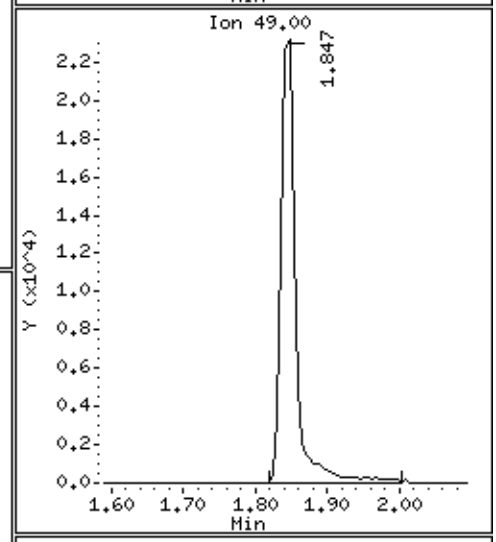


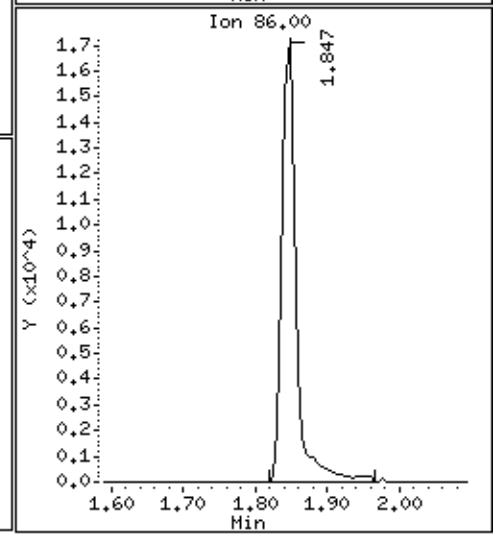












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d

Date : 04-JUL-2014 01:06

Client ID: TMW-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765009

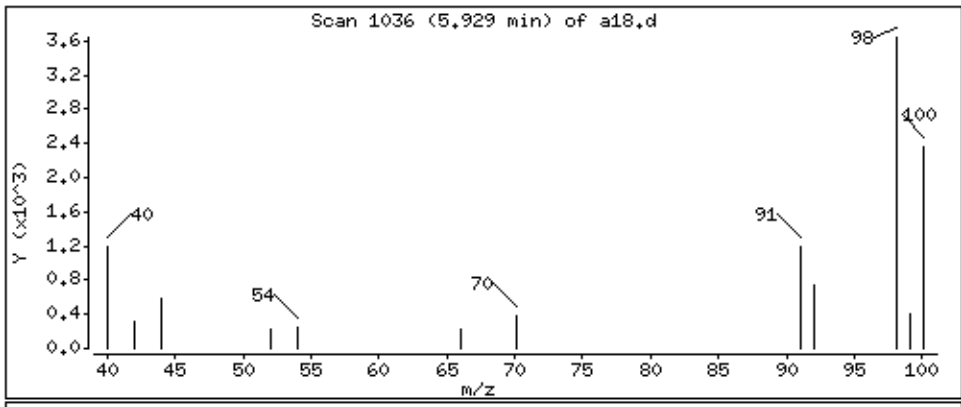
Operator: ala

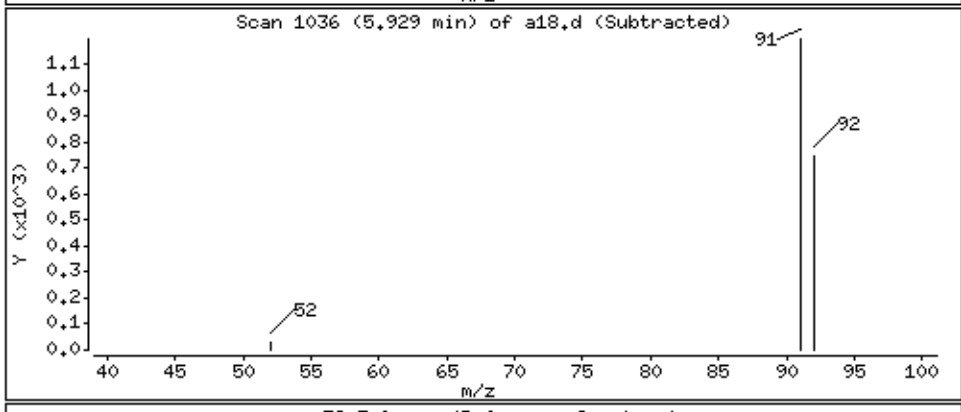
Column phase: DB-624

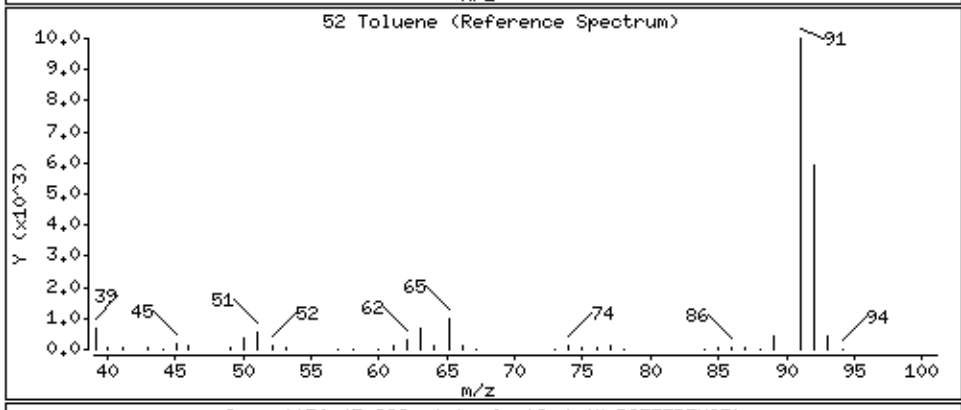
Column diameter: 0.18

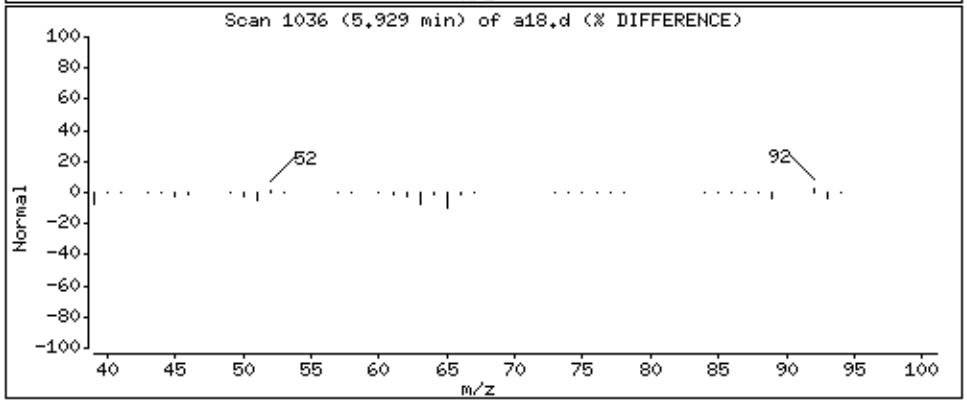
52 Toluene

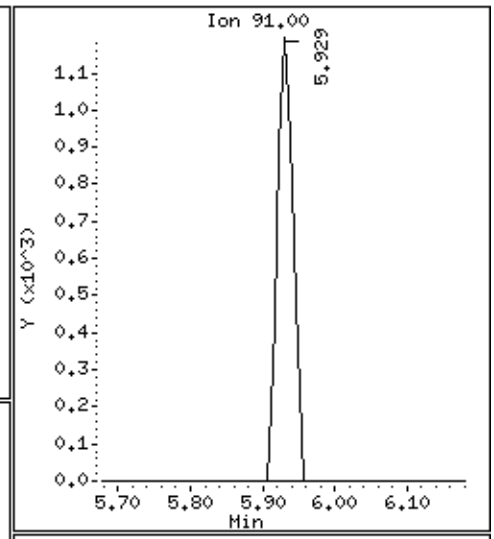
Concentration: 0.126 ppb

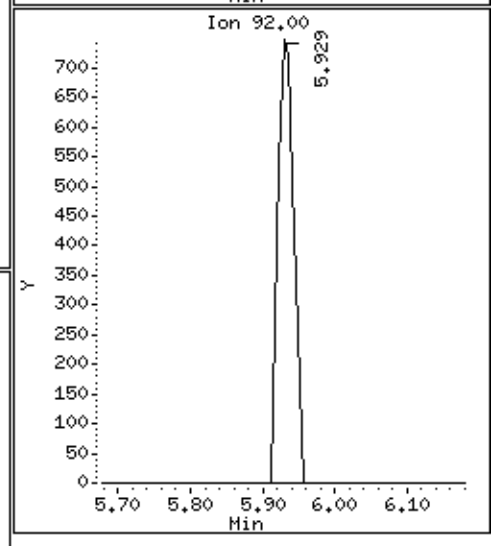












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d

Date : 04-JUL-2014 01:06

Client ID: TMW-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765009

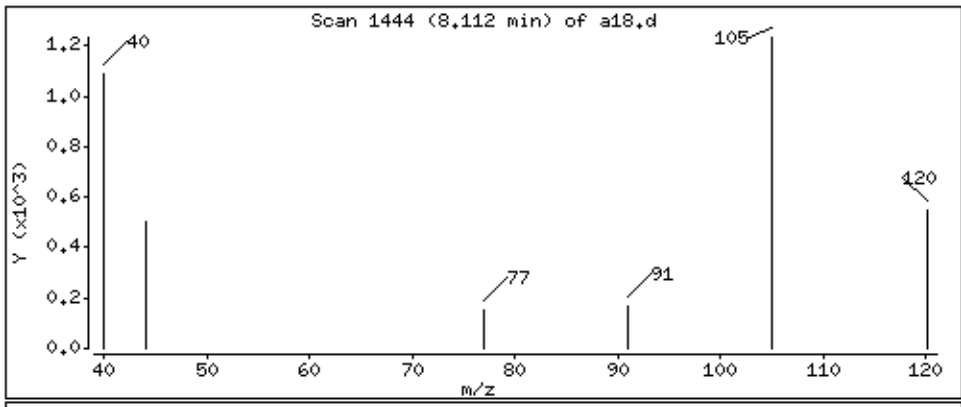
Operator: ala

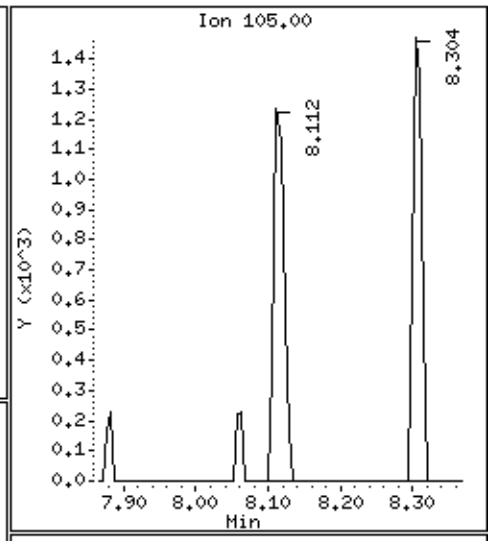
Column phase: DB-624

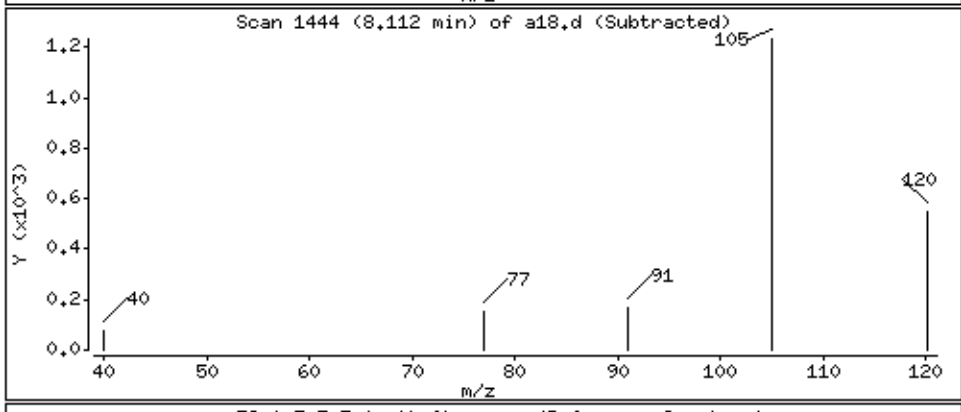
Column diameter: 0.18

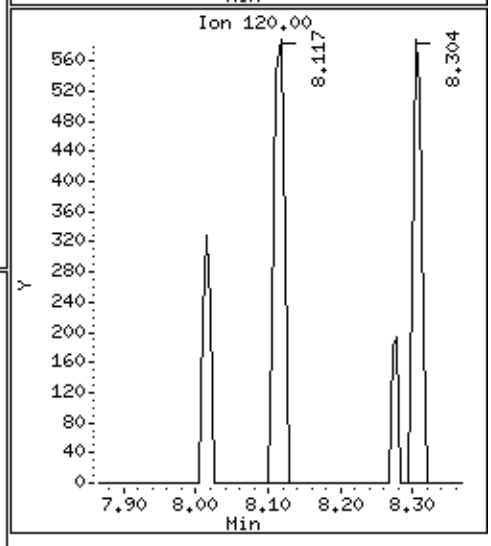
78 1,3,5-Trimethylbenzene

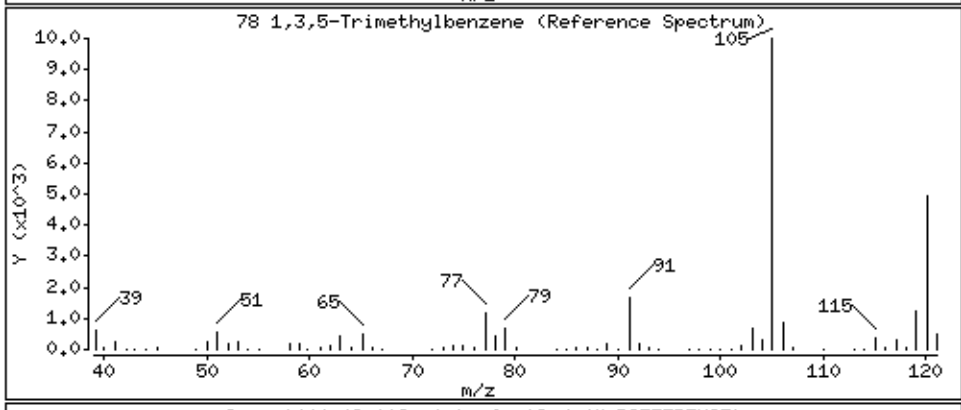
Concentration: 3.09 ppb

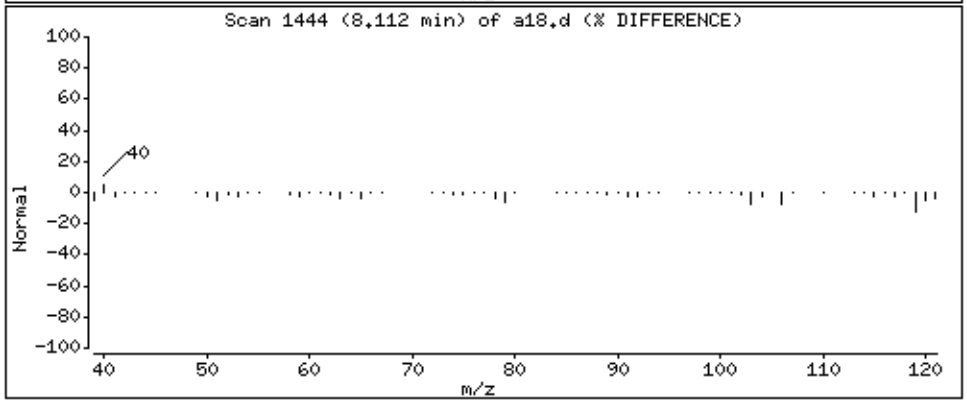












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a18.d

Date : 04-JUL-2014 01:06

Client ID: TMW-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765009

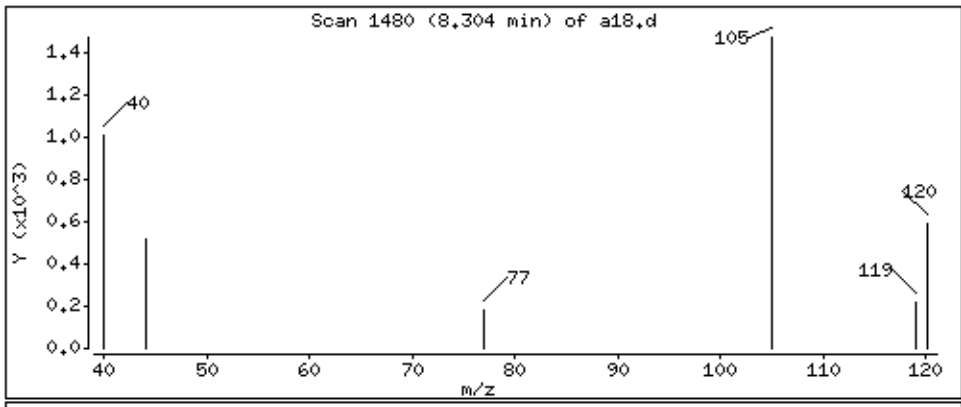
Operator: ala

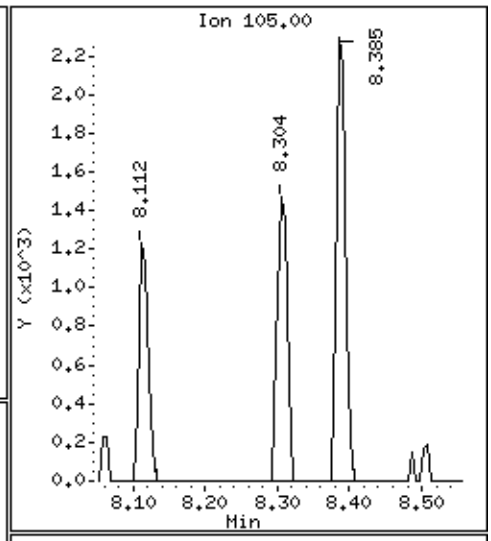
Column phase: DB-624

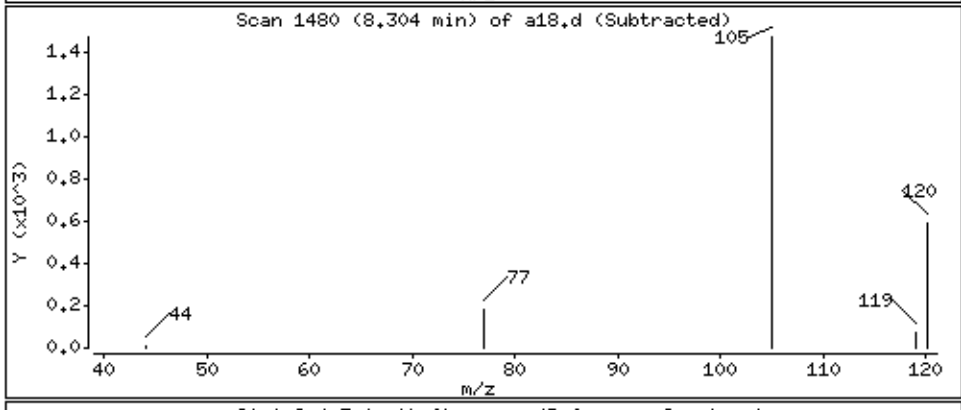
Column diameter: 0.18

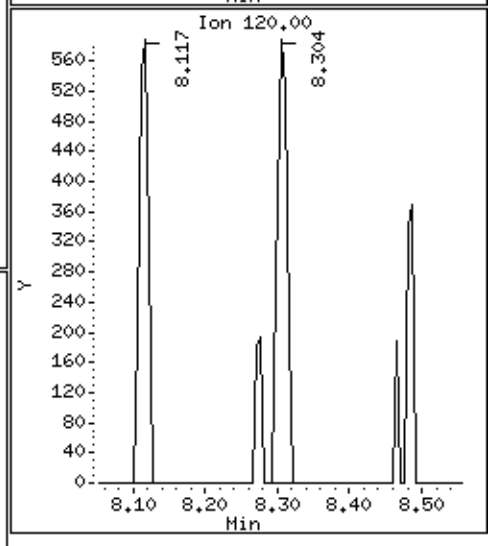
81 1,2,4-Trimethylbenzene

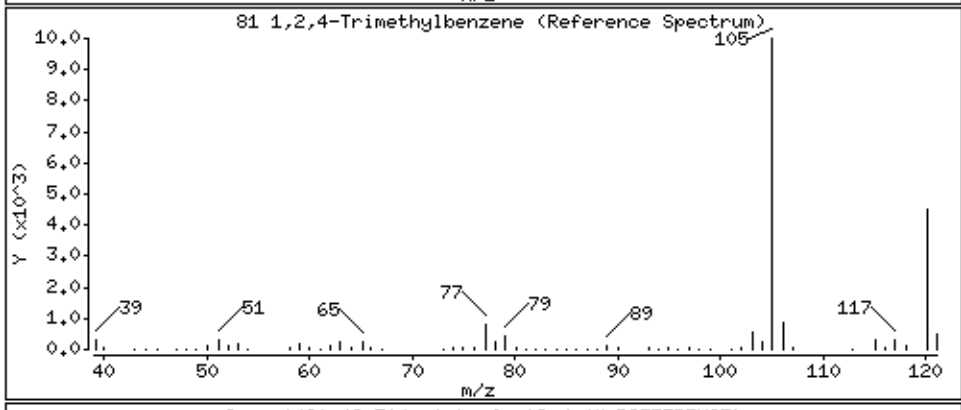
Concentration: 2.84 ppb

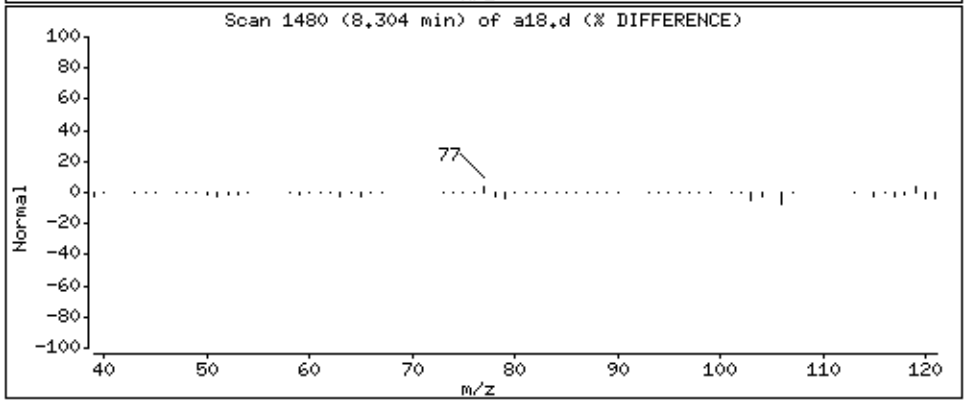












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Date : 04-JUL-2014 01:06

Client ID: TMW-1 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765009

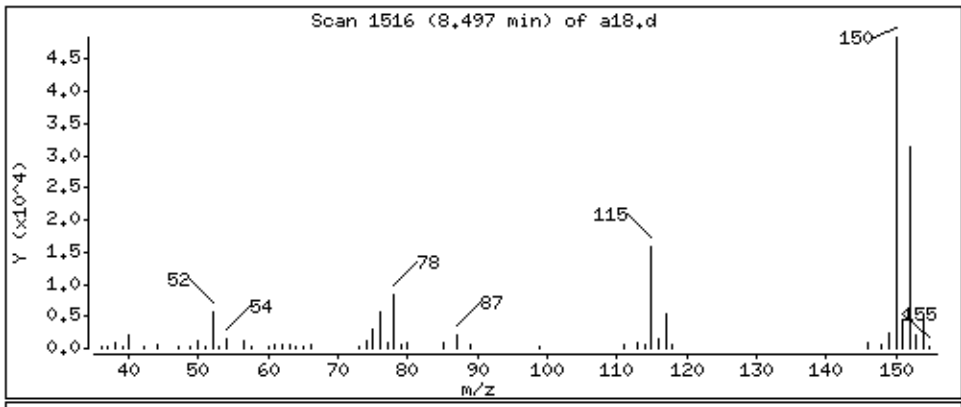
Operator: ala

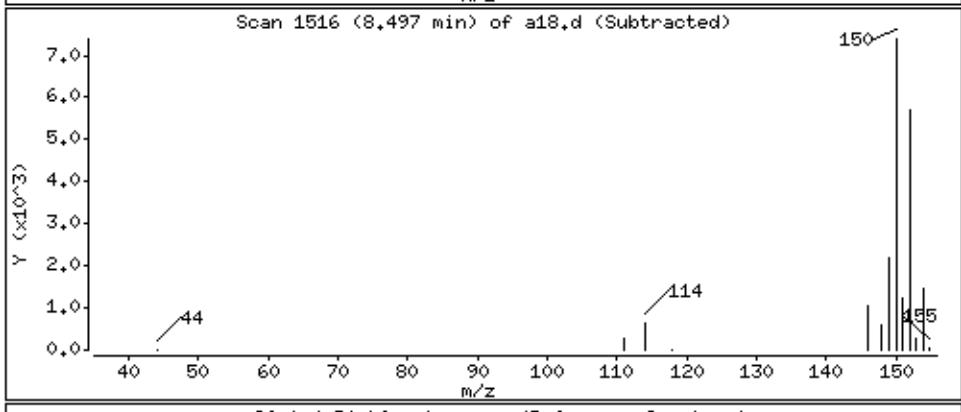
Column phase: DB-624

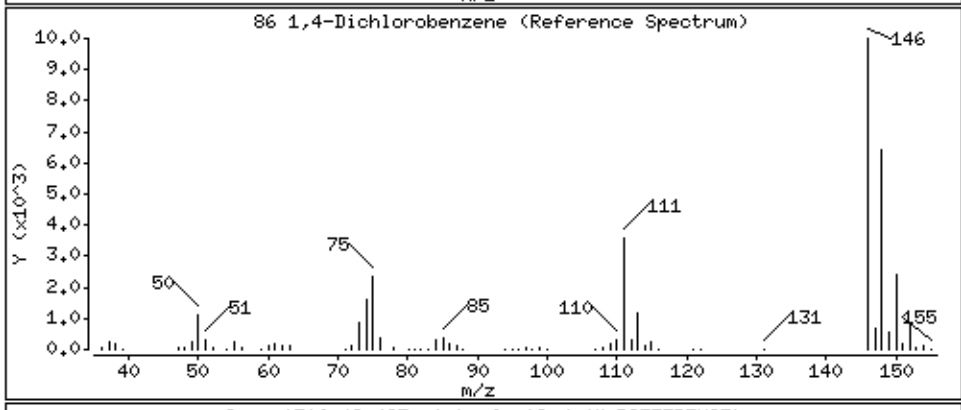
Column diameter: 0.18

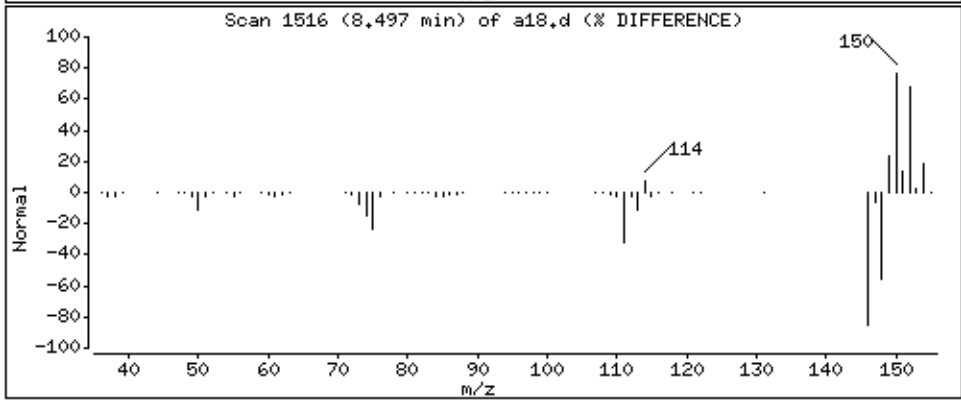
86 1,4-Dichlorobenzene

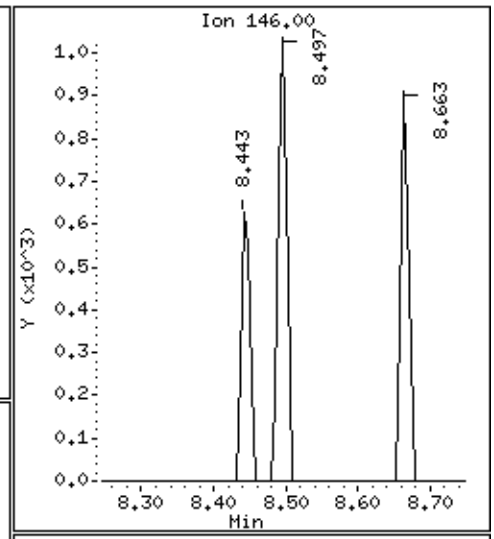
Concentration: 0.0974 ppb

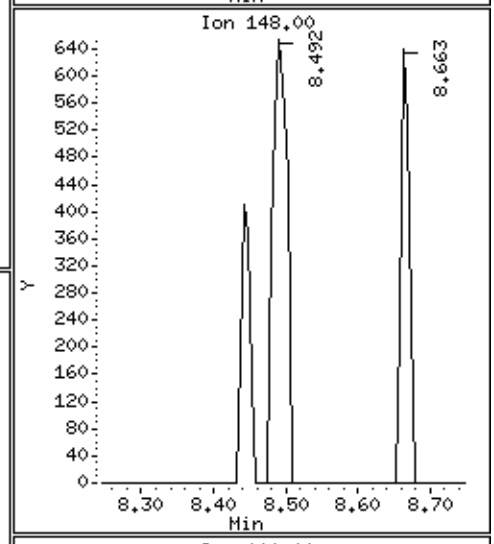


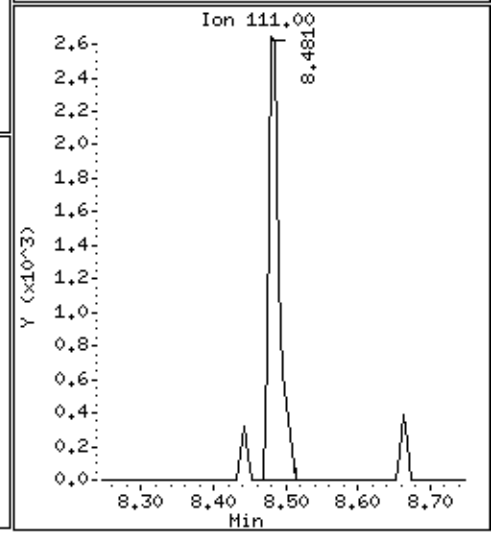












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Injection Date: 04-JUL-2014 01:06
Instrument: 50mv6b.i
Lab Sample ID: 5099765009
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (11-13)

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 01:34 Lab Sample ID: 5099765010

Date Analyzed: 07/04/2014 01:34 Lab File ID: B070314CAL.B\A19.D

Initial wt/vol: 5.252 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 11.0%

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

SAMPLE NO.

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (11-13)

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 01:34 Lab Sample ID: 5099765010

Date Analyzed: 07/04/2014 01:34 Lab File ID: B070314CAL.B\A19.D

Initial wt/vol: 5.252 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 11.0%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a19.d
Lab Smp Id: 5099765010 Client Smp ID: TMW-1 (11-13)
Inj Date : 04-JUL-2014 01:34
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765010
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	11.013	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

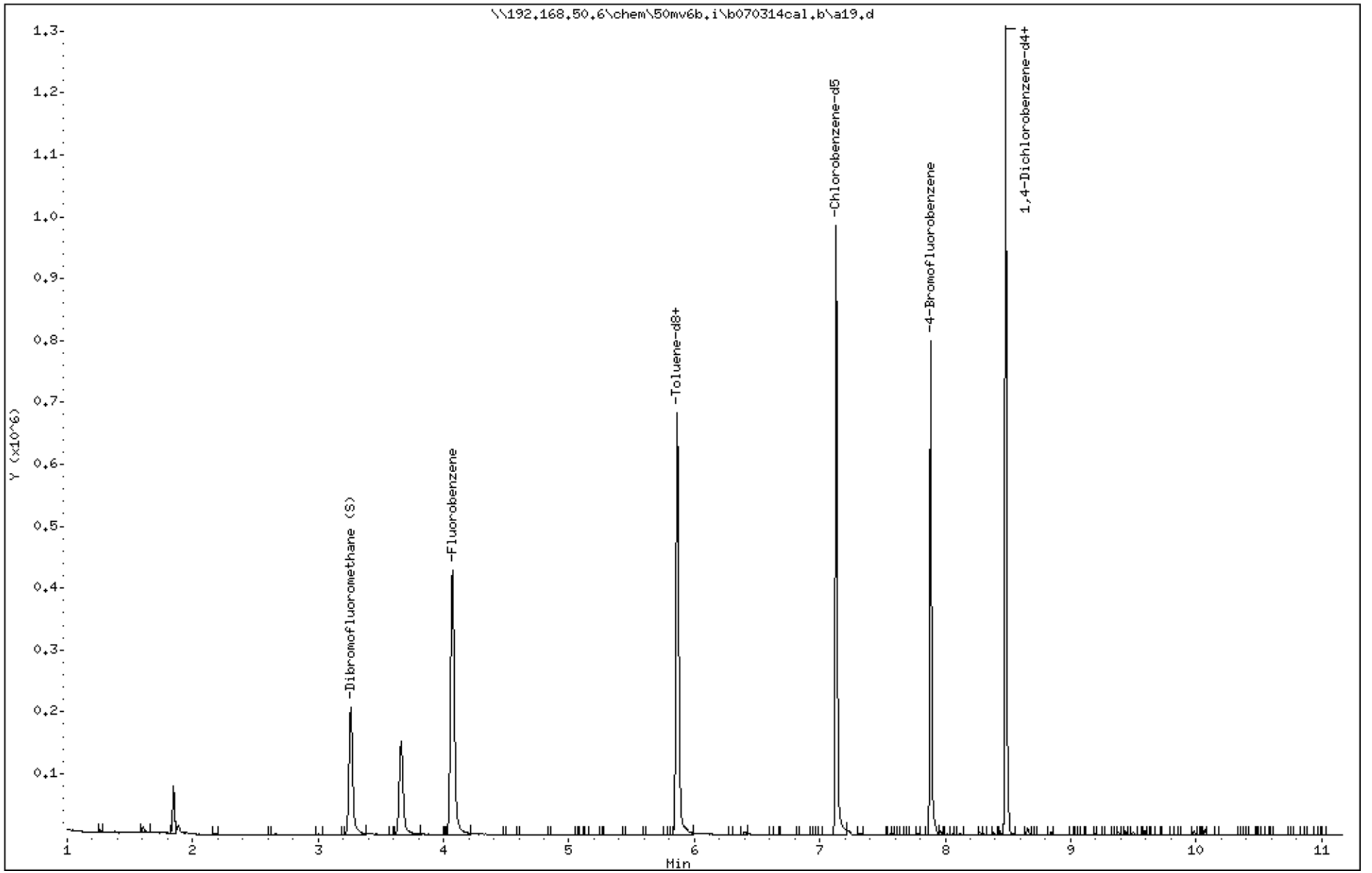
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.601	1.601	(0.393)	12386	7.59979	8.54
	17 Methylene Chloride	84	1.847	1.841	(0.454)	26978	0.42194	0.474
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.800)	140307	54.7928	61.6
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	494445	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	433078	46.8128	52.6
	52 Toluene	91	5.934	5.928	(0.832)	2533	0.17844	0.200
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	392564	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	163083	51.9523	58.4
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	217690	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	651	0.07602	0.0854(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a19.d
Date : 04-JUL-2014 01:34
Client ID: TMW-1 (11-13)
Sample Info: 5099765010

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a19.d

Date : 04-JUL-2014 01:34

Client ID: TMW-1 (11-13)

Instrument: 50mv6b.i

Sample Info: 5099765010

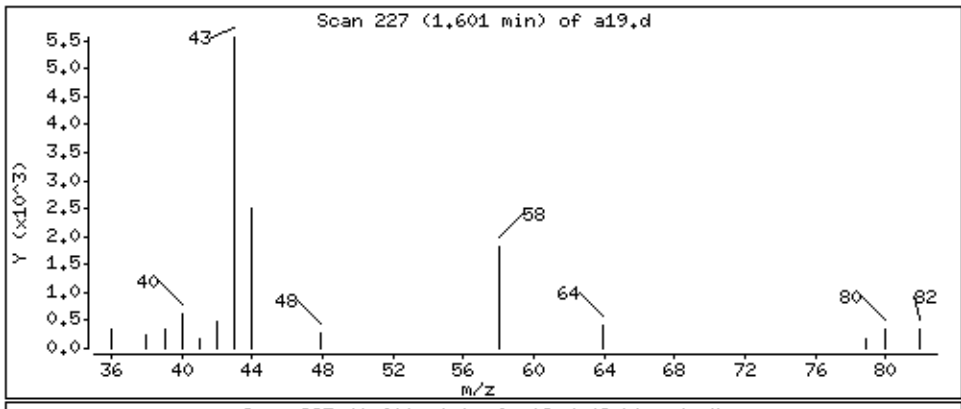
Operator: ala

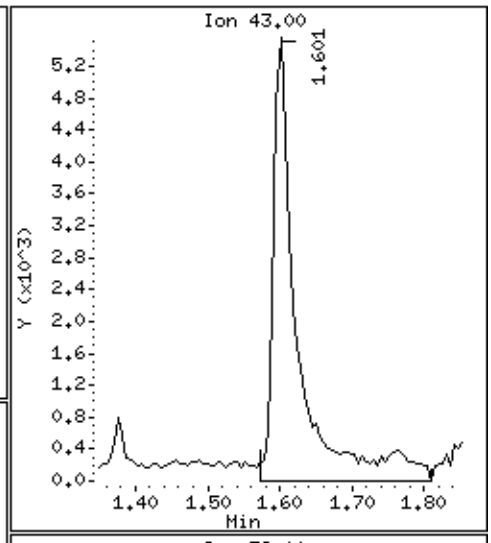
Column phase: DB-624

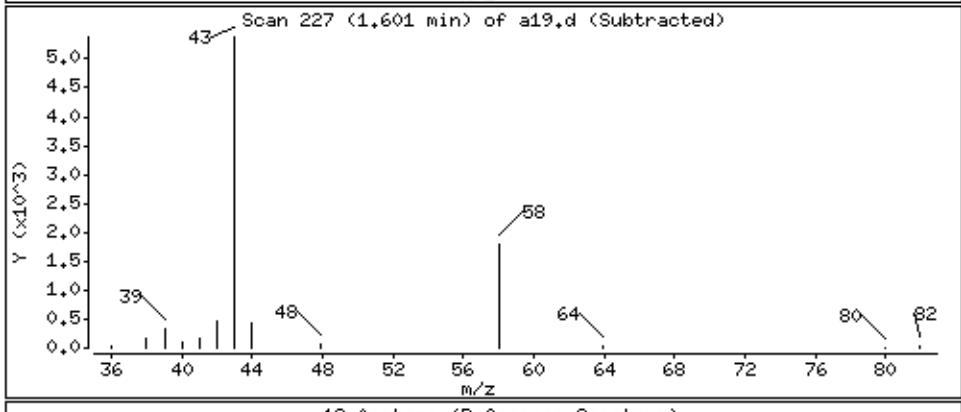
Column diameter: 0.18

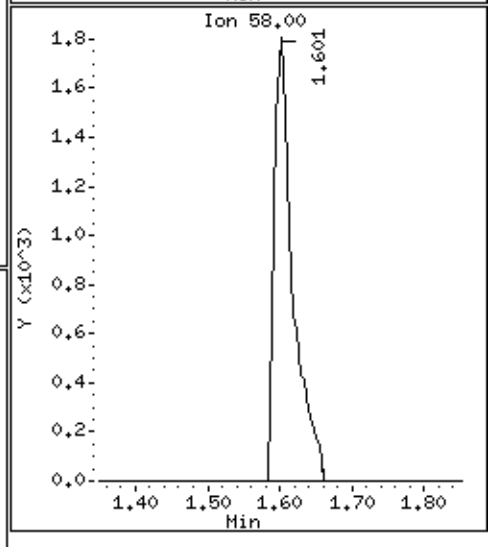
12 Acetone

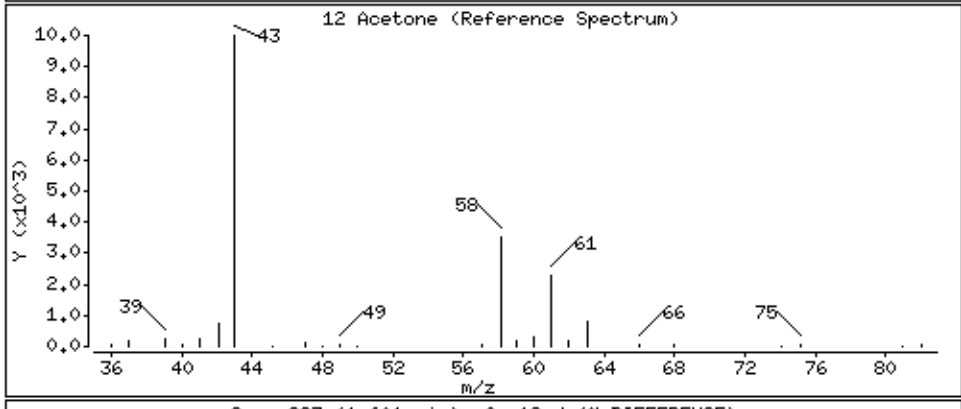
Concentration: 8.54 ppb

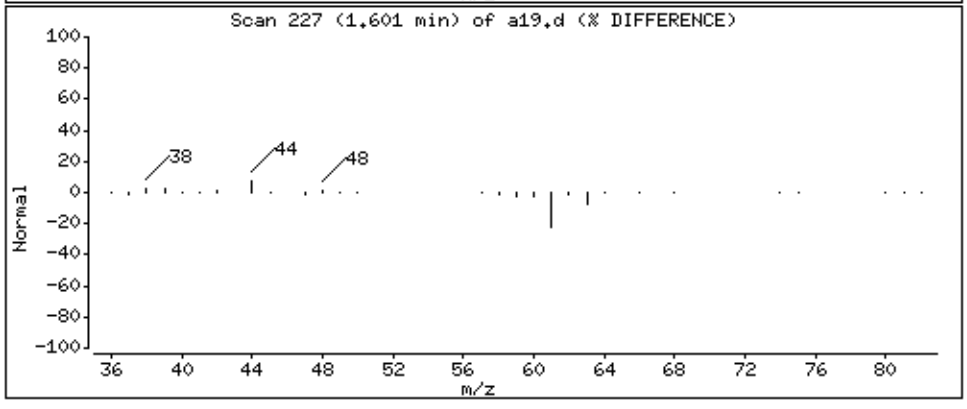












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Date : 04-JUL-2014 01:34

Client ID: TMW-1 (11-13)

Instrument: 50mv6b.i

Sample Info: 5099765010

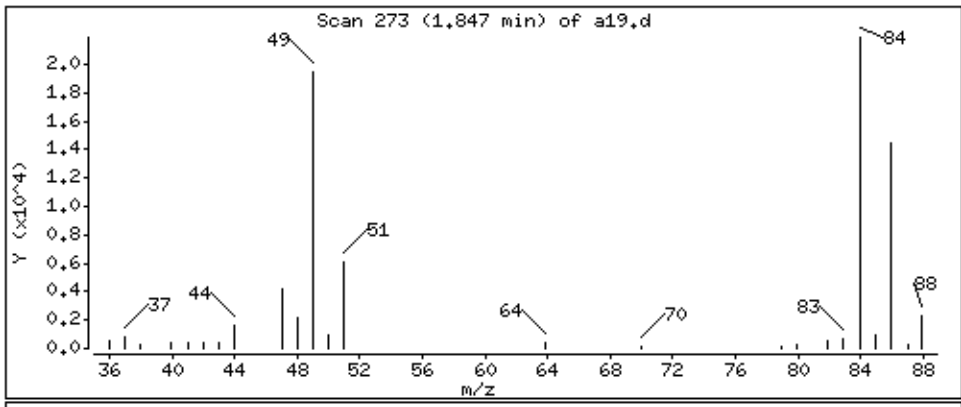
Operator: ala

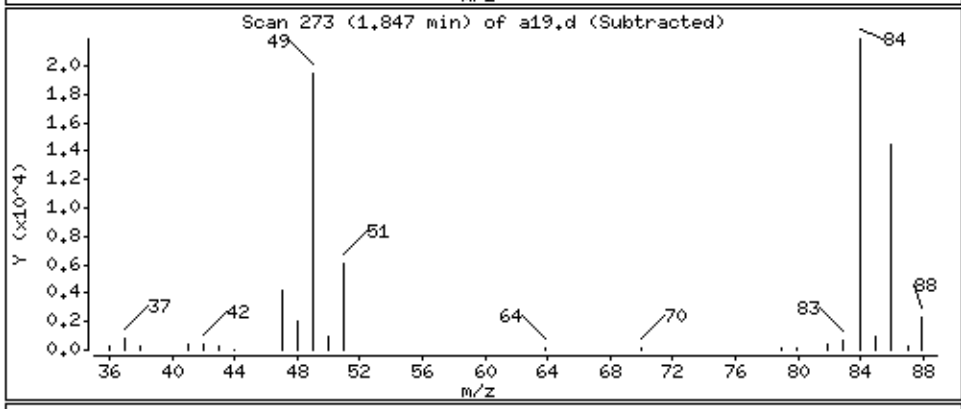
Column phase: DB-624

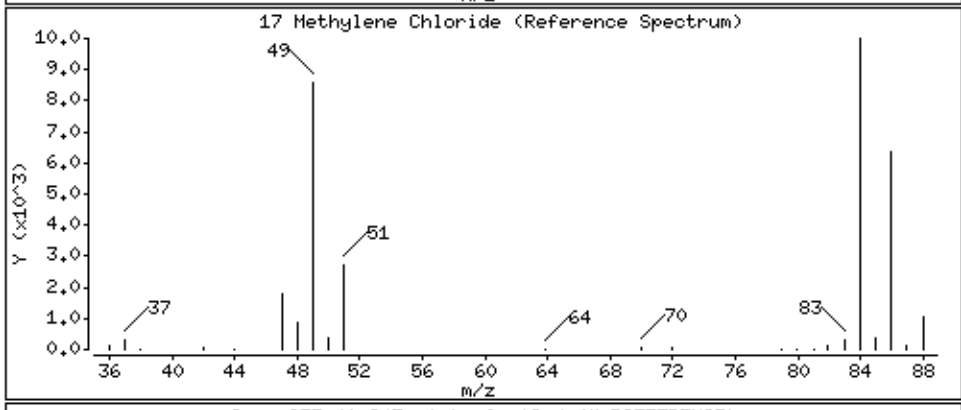
Column diameter: 0.18

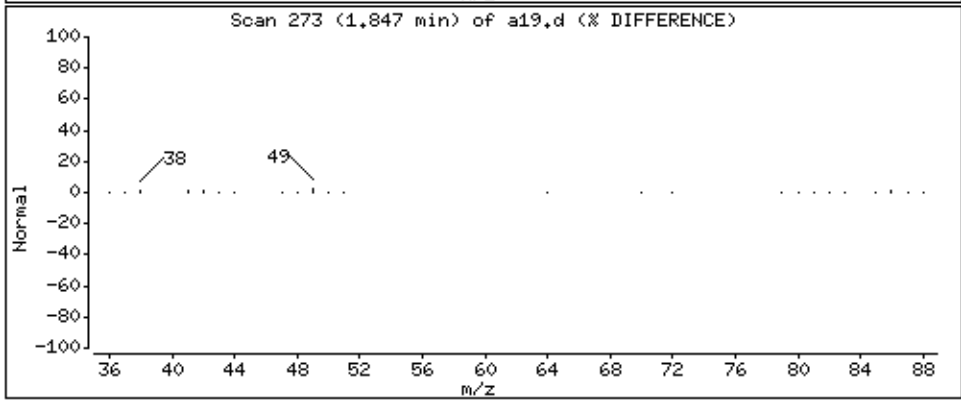
17 Methylene Chloride

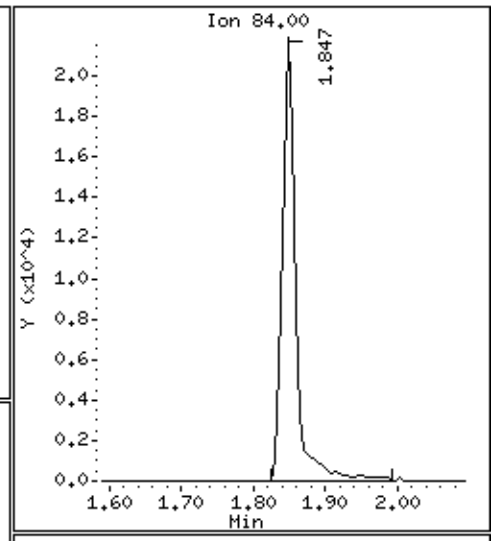
Concentration: 0.474 ppb

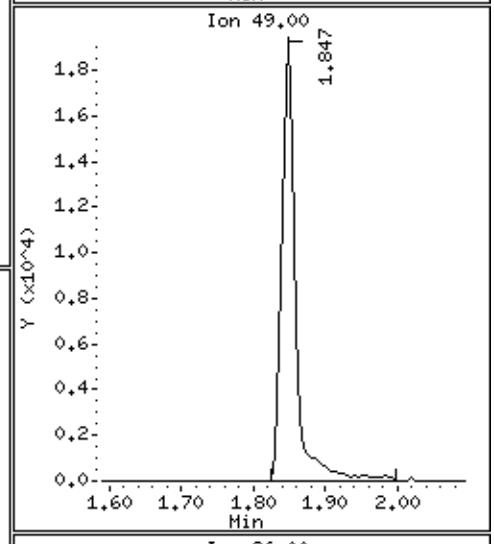


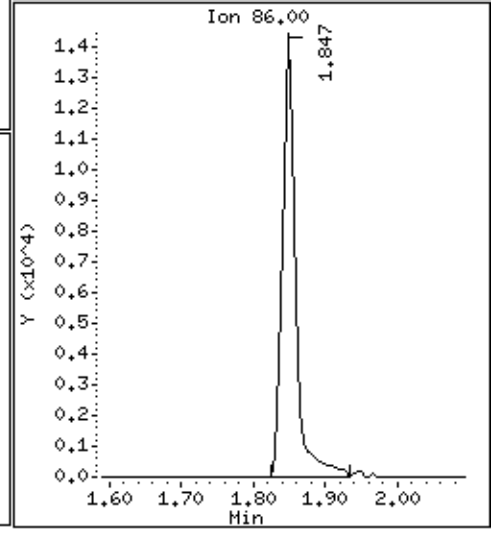












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a19.d

Date : 04-JUL-2014 01:34

Client ID: TMW-1 (11-13)

Instrument: 50mv6b.i

Sample Info: 5099765010

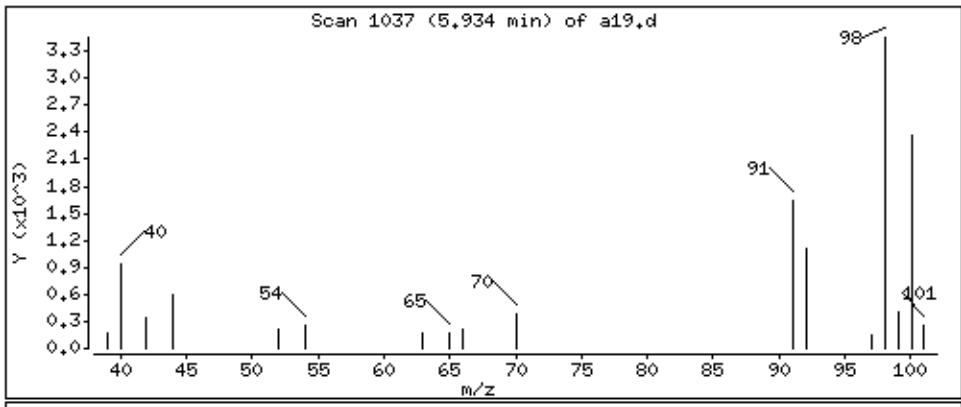
Operator: ala

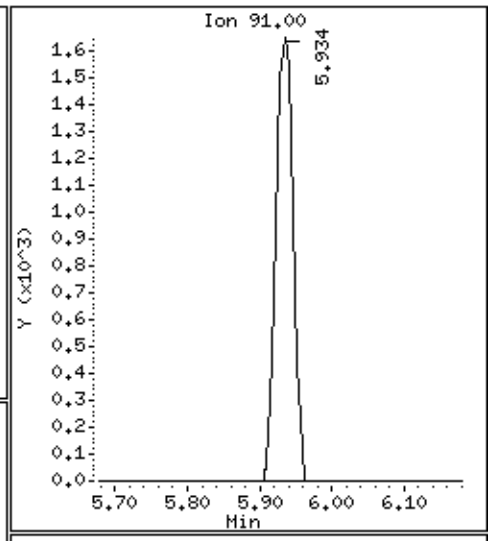
Column phase: DB-624

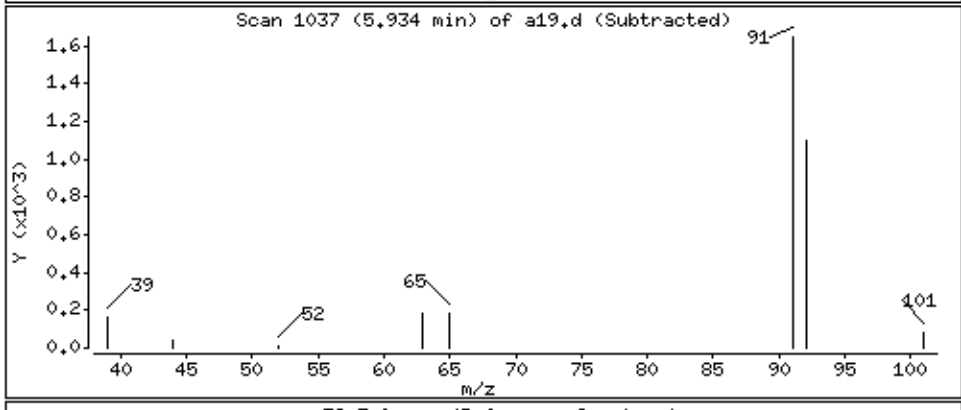
Column diameter: 0.18

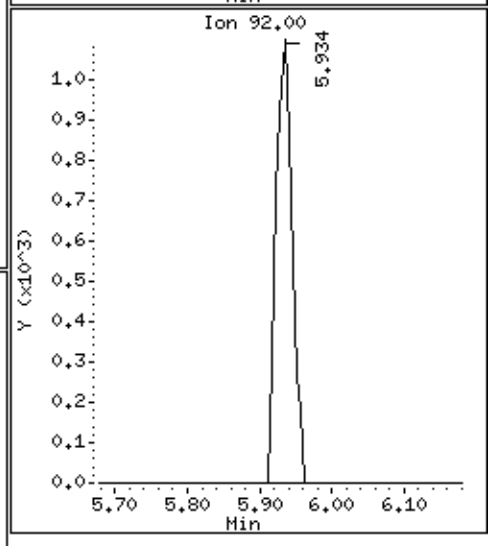
52 Toluene

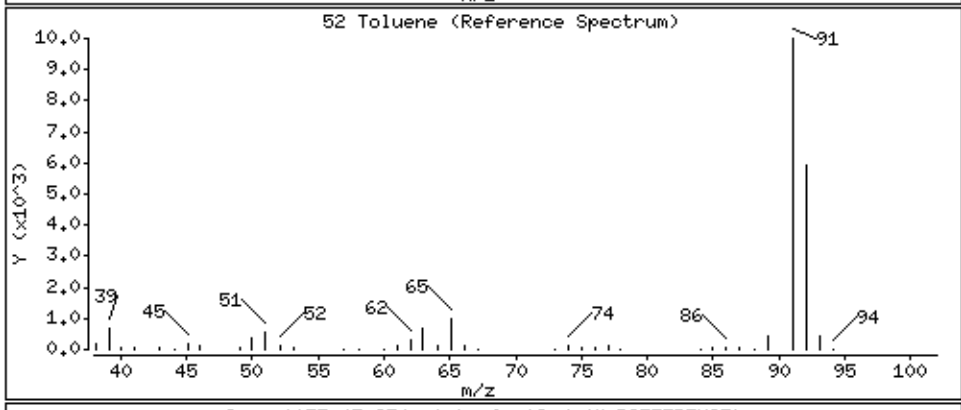
Concentration: 0.200 ppb

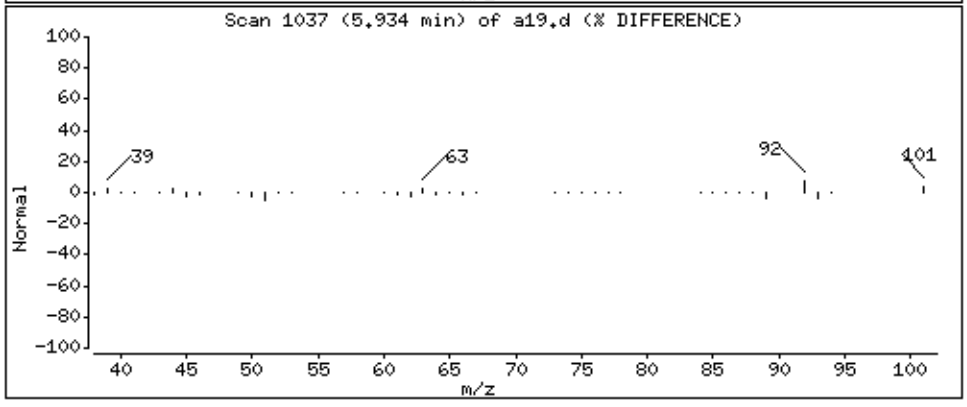












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a19.d

Date : 04-JUL-2014 01:34

Client ID: TMW-1 (11-13)

Instrument: 50mv6b.i

Sample Info: 5099765010

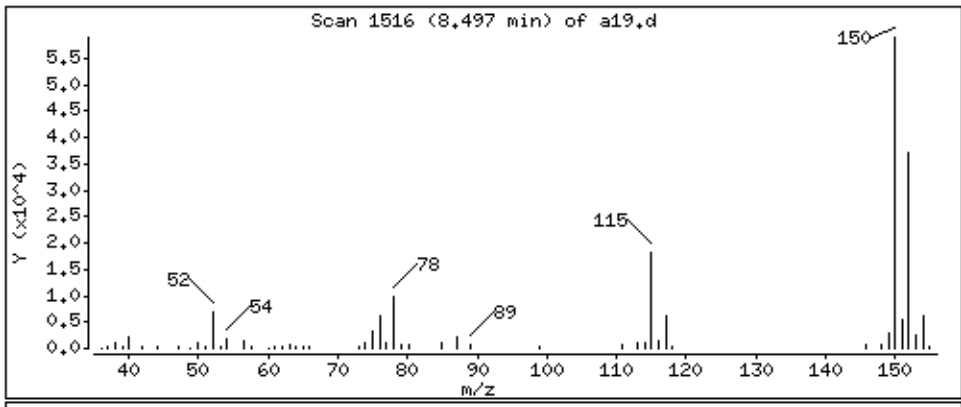
Operator: ala

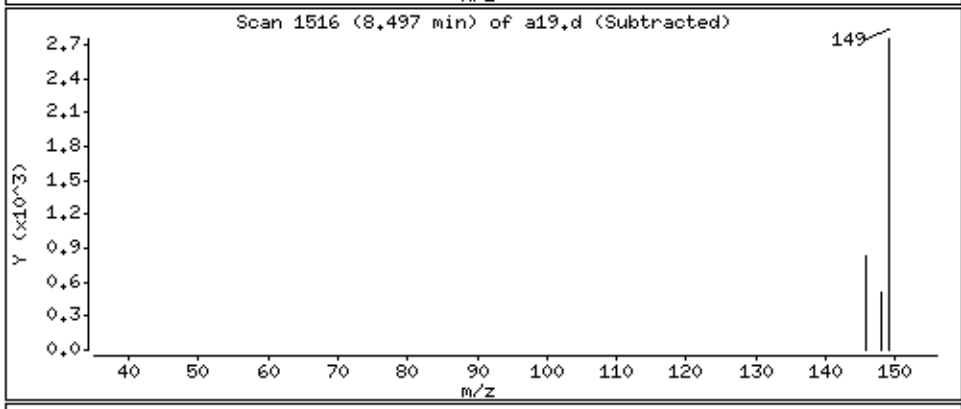
Column phase: DB-624

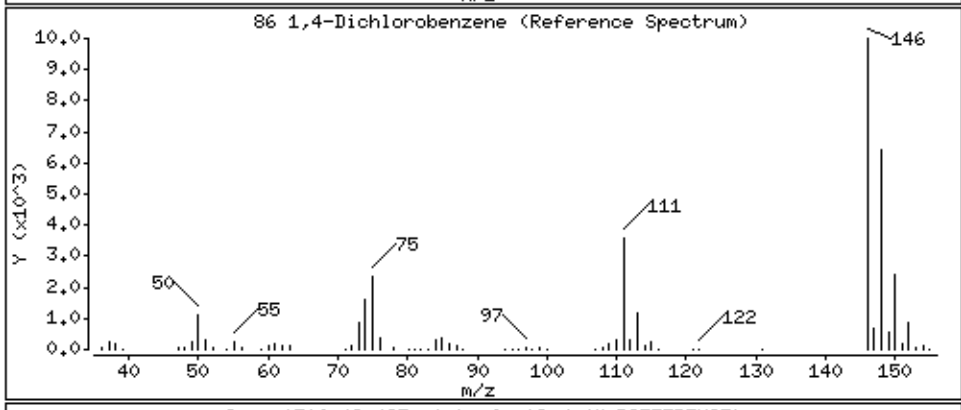
Column diameter: 0.18

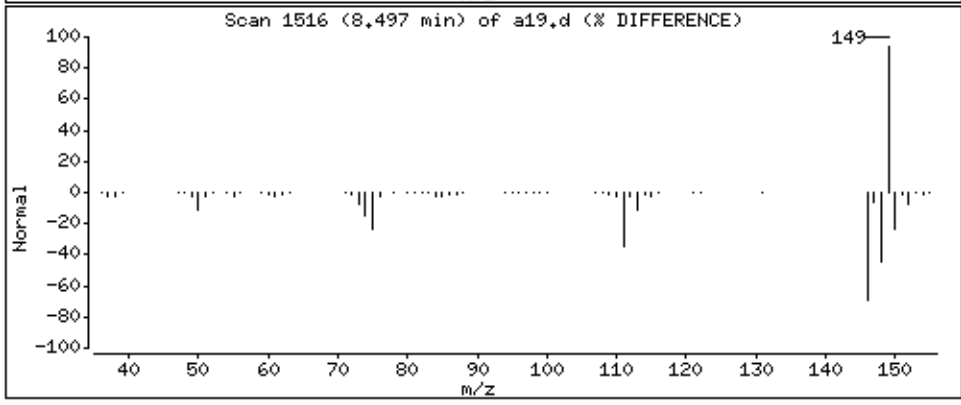
86 1,4-Dichlorobenzene

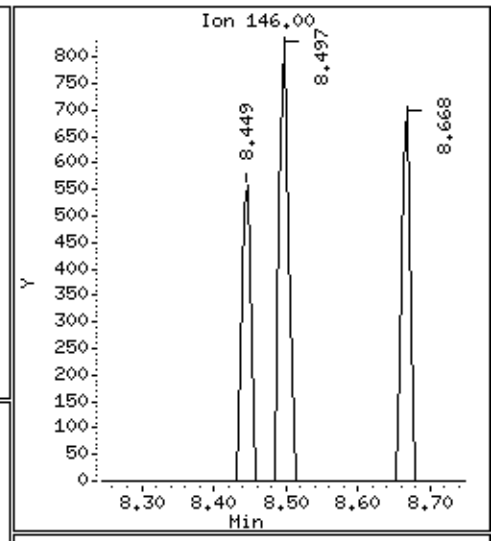
Concentration: 0.0854 ppb

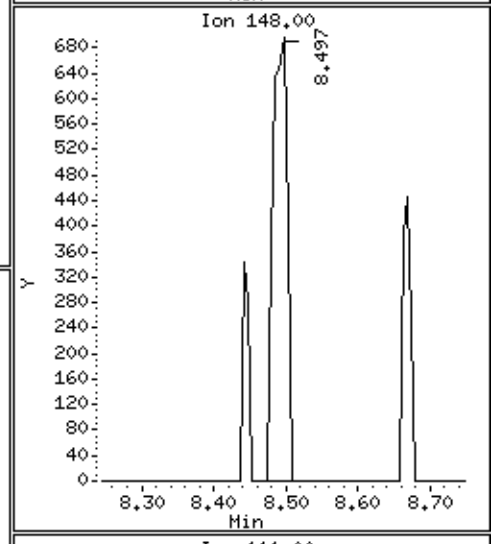


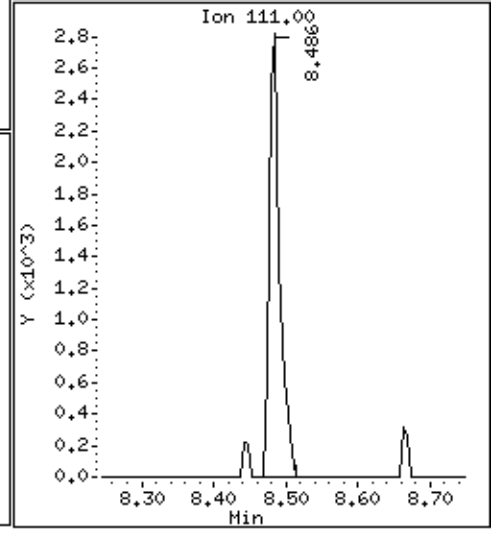












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Injection Date: 04-JUL-2014 01:34
Instrument: 50mv6b.i
Lab Sample ID: 5099765010
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

TMW-8 (1-3)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:01 Lab Sample ID: 5099765011

Date Analyzed: 07/04/2014 02:01 Lab File ID: B070314CAL.B\A20.D

Initial wt/vol: 2.762 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 12.7%

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

SAMPLE NO.

TMW-8 (1-3)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:01 Lab Sample ID: 5099765011

Date Analyzed: 07/04/2014 02:01 Lab File ID: B070314CAL.B\A20.D

Initial wt/vol: 2.762 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 12.7%

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	248	
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\50mv6b.i\b070314cal.b\a20.d
Lab Smp Id: 5099765011 Client Smp ID: TMW-8 (1-3)
Inj Date : 04-JUL-2014 02:01
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765011
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

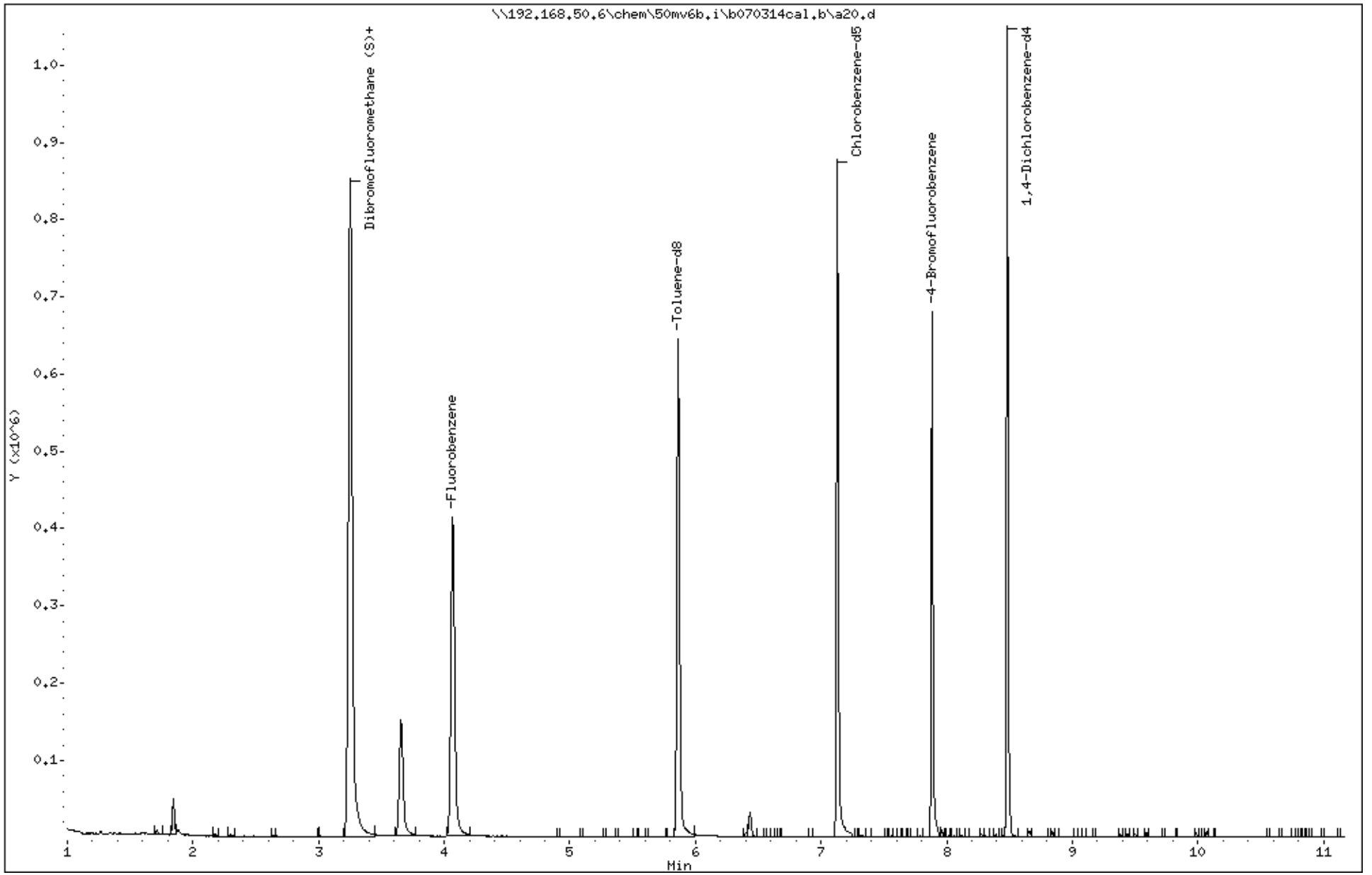
Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	12.711	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	143164	58.7184	67.3
	34 1,1,1-Trichloroethane	97	3.249	3.248	(0.799)	466330	119.675	137
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	470784	50.0000	
$	51 Toluene-d8	98	5.865	5.859	(0.822)	401388	48.2811	55.3
	56 Tetrachloroethene	166	6.432	6.431	(0.902)	8079	2.28159	2.61
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	352774	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	138340	49.0409	56.2
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	166790	50.0000	

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a20.d
Date : 04-JUL-2014 02:01
Client ID: TMW-8 (1-3)
Sample Info: 5099765011

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 02:01

Client ID: TMW-8 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765011

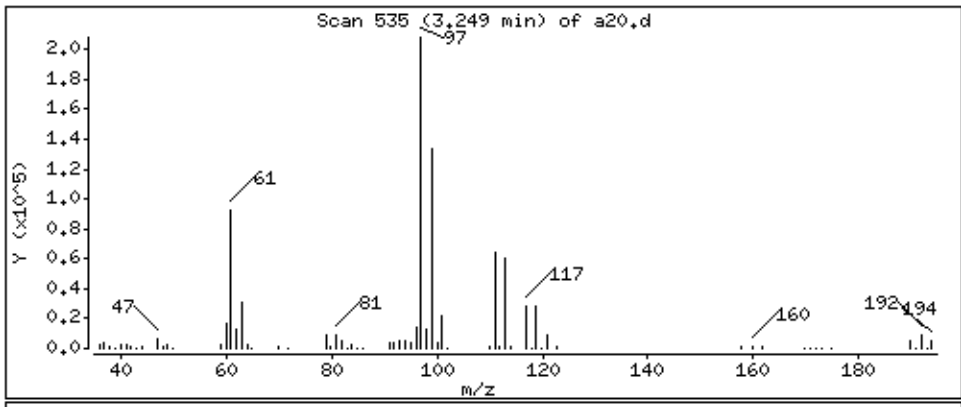
Operator: ala

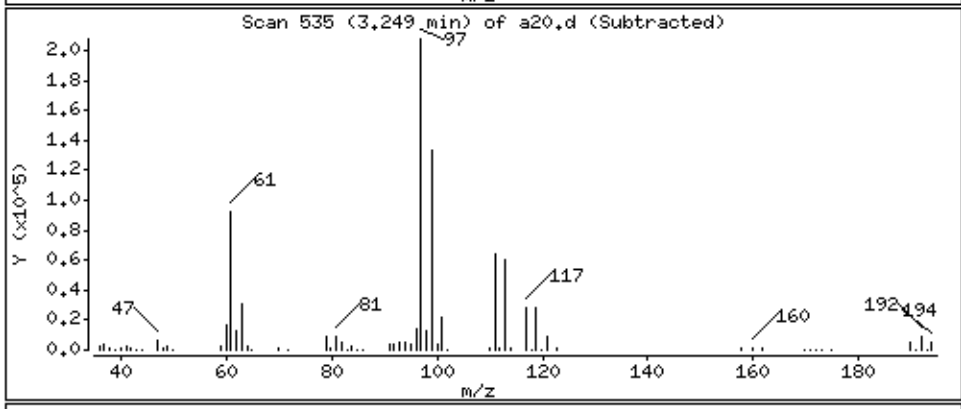
Column phase: DB-624

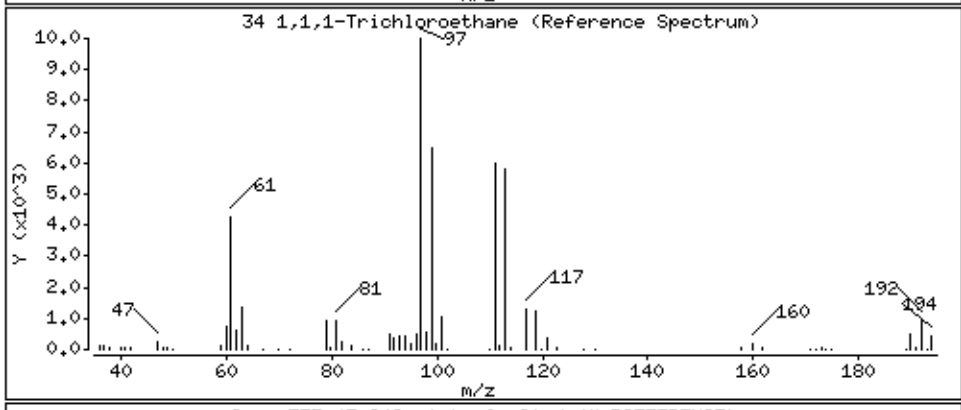
Column diameter: 0.18

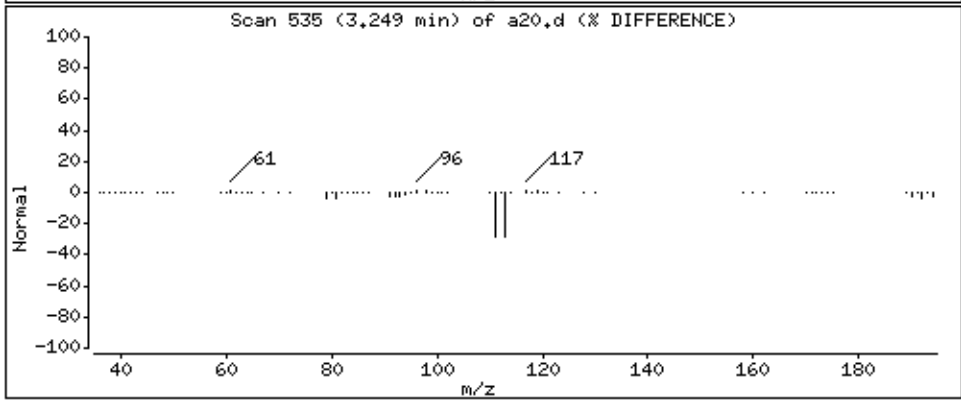
34 1,1,1-Trichloroethane

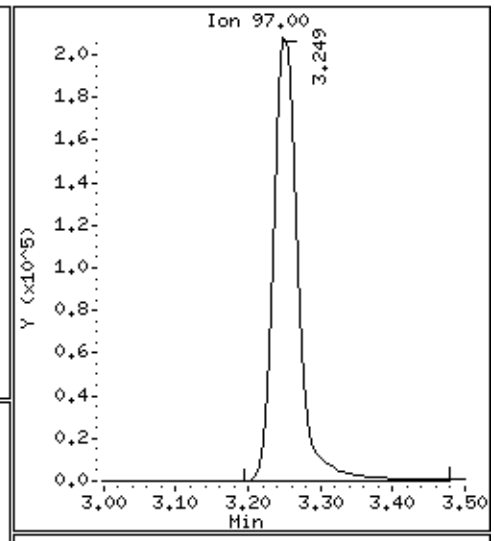
Concentration: 137 ppb

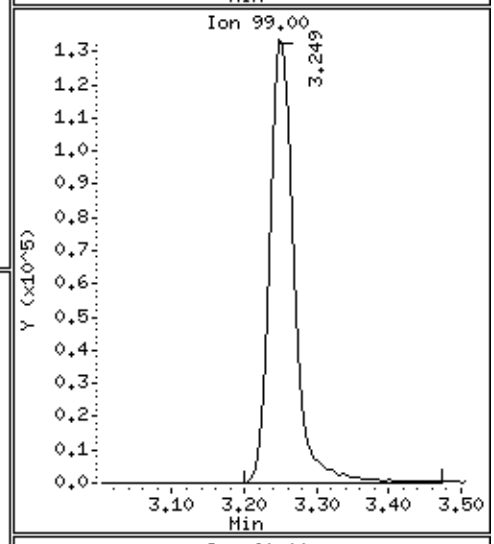


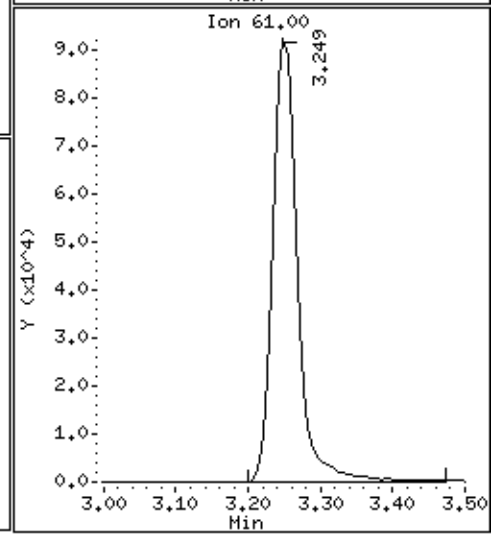












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a20.d

Date : 04-JUL-2014 02:01

Client ID: TMW-8 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765011

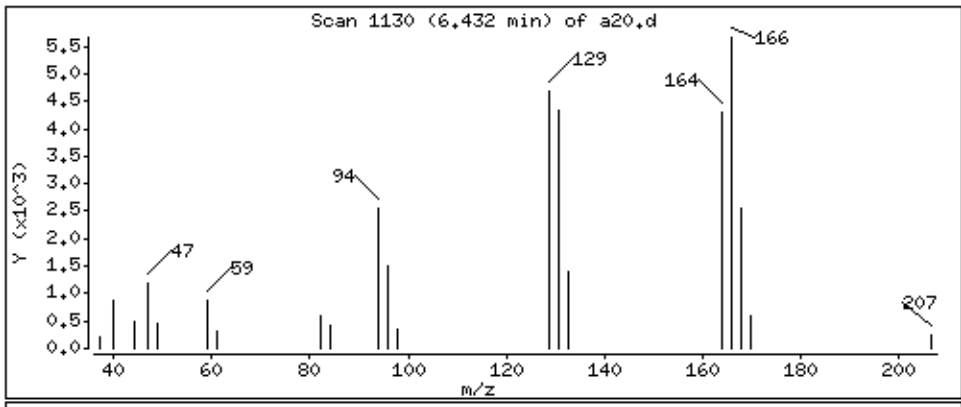
Operator: ala

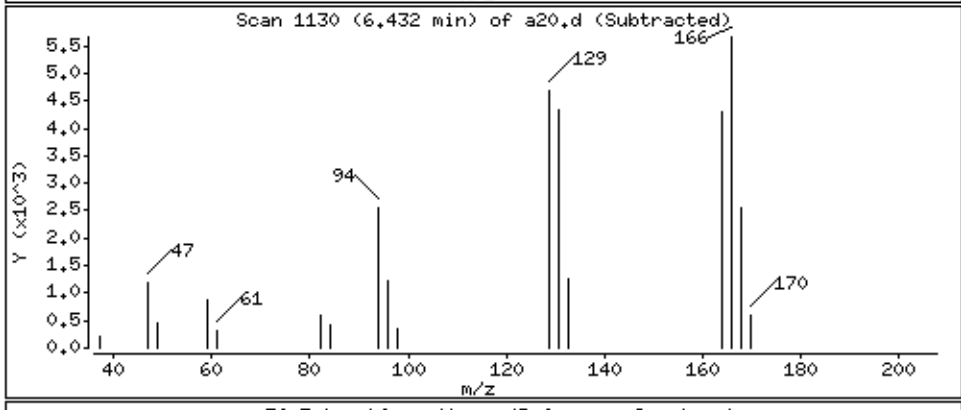
Column phase: DB-624

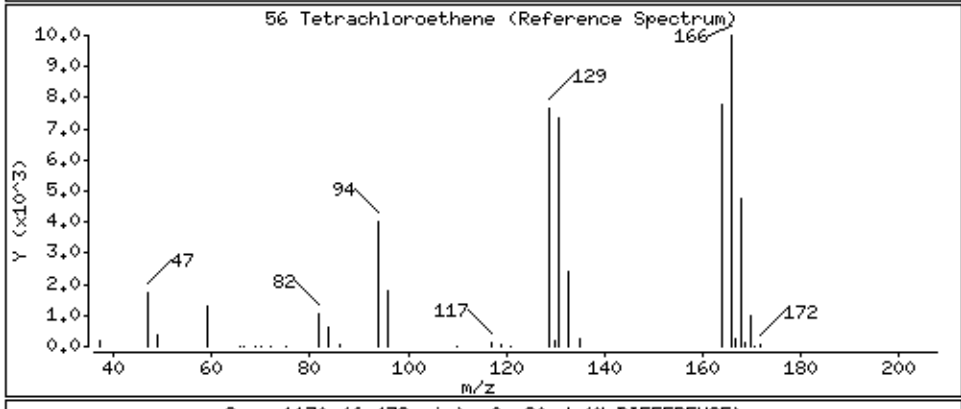
Column diameter: 0.18

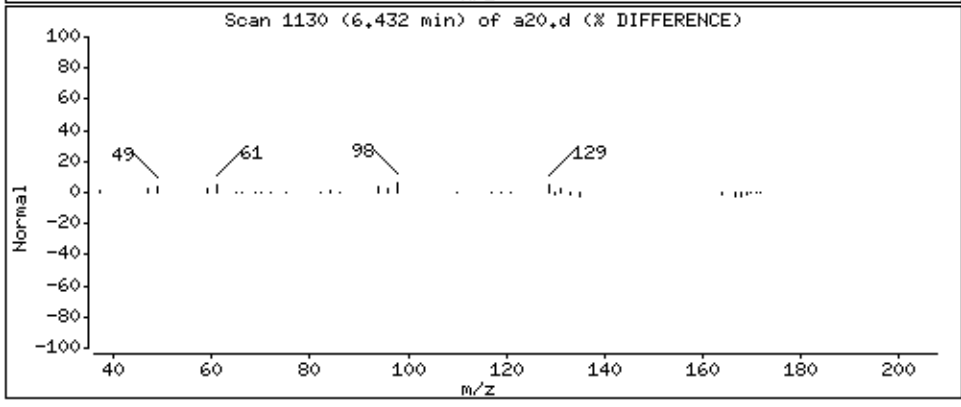
56 Tetrachloroethene

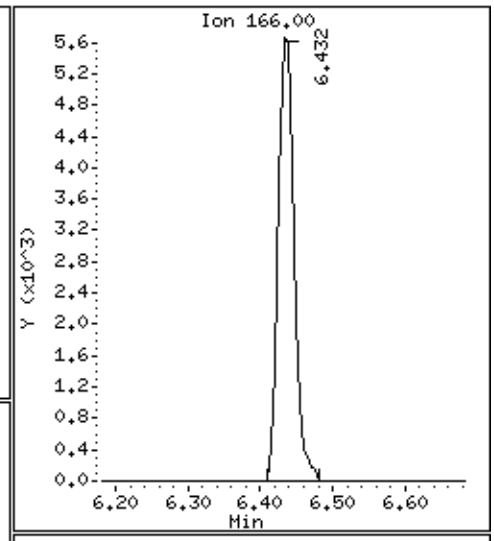
Concentration: 2.61 ppb

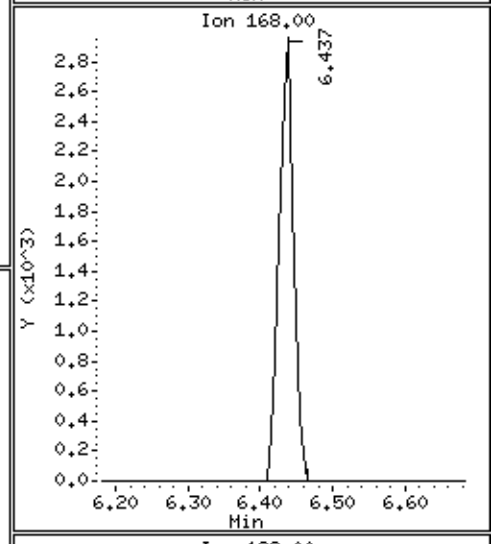


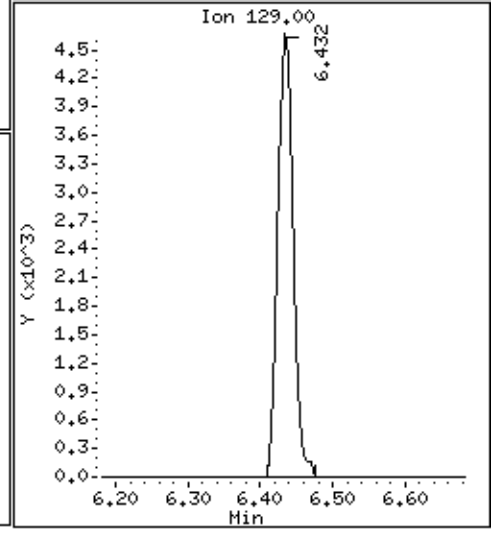












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a20.d
Injection Date: 04-JUL-2014 02:01
Instrument: 50mv6b.i
Lab Sample ID: 5099765011
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

TMW-8 (10-12)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:28 Lab Sample ID: 5099765012

Date Analyzed: 07/04/2014 02:28 Lab File ID: B070314CAL.B\A21.D

Initial wt/vol: 4.892 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 3.0%

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

SAMPLE NO.

TMW-8 (10-12)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:28 Lab Sample ID: 5099765012

Date Analyzed: 07/04/2014 02:28 Lab File ID: B070314CAL.B\A21.D

Initial wt/vol: 4.892 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 3.0%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a21.d
Lab Smp Id: 5099765012 Client Smp ID: TMW-8 (10-12)
Inj Date : 04-JUL-2014 02:28
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765012
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	3.039	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

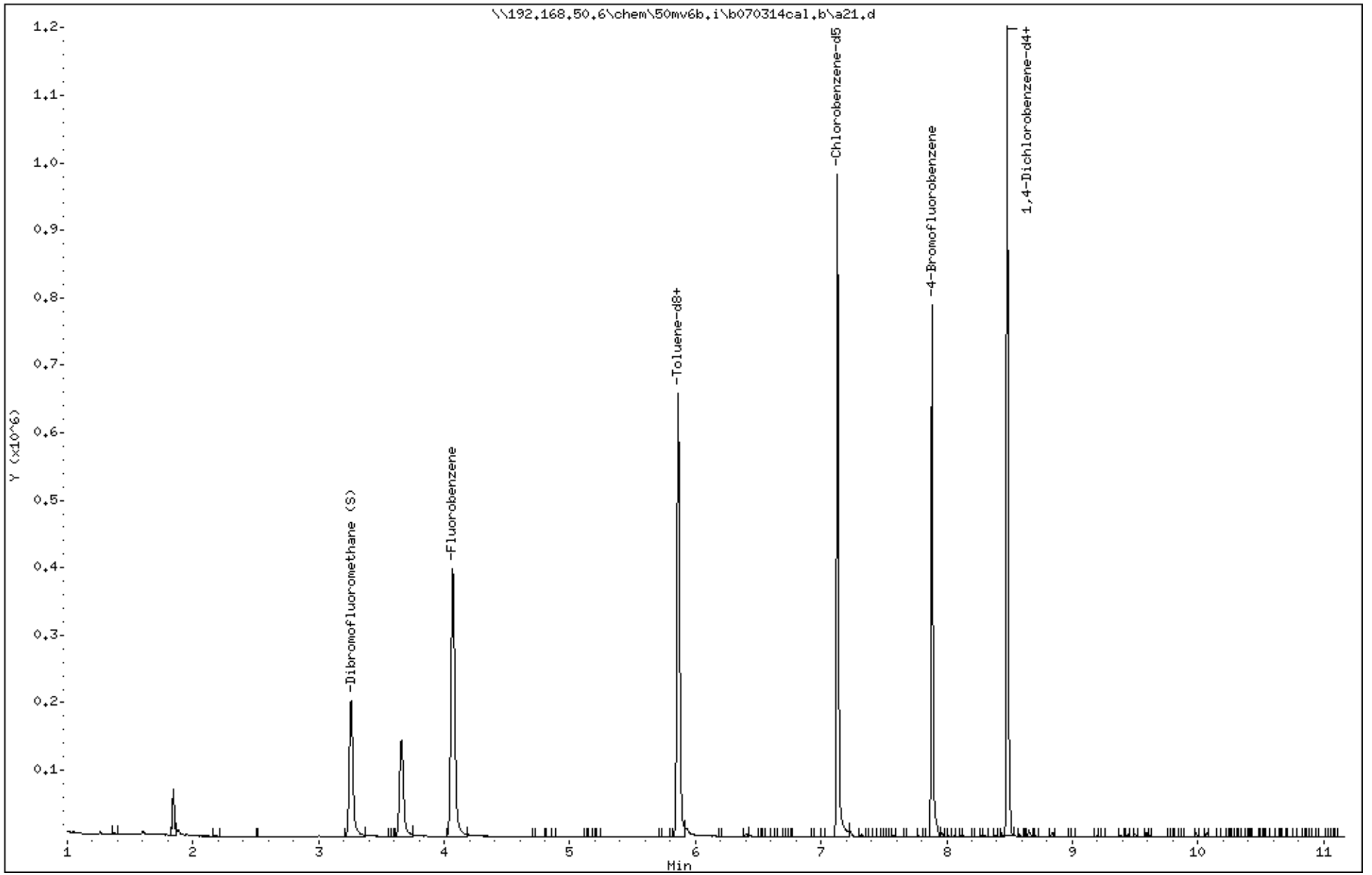
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.841	1.841	(0.453)	24209	0.03094	0.0319
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	137324	57.9643	59.8
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	457454	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	412753	46.7209	48.2
	52 Toluene	91	5.934	5.928	(0.832)	2937	0.21666	0.223
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	374876	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	160683	53.6030	55.3
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	1212	2.72152	2.81
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	207569	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	725	0.08879	0.0916(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a21.d
Date : 04-JUL-2014 02:28
Client ID: TMW-8 (10-12)
Sample Info: 5099765012

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 02:28

Client ID: TMW-8 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765012

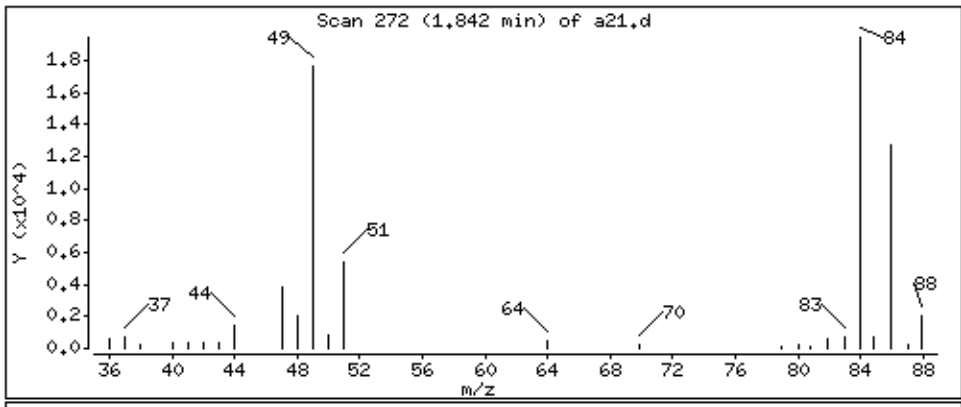
Operator: ala

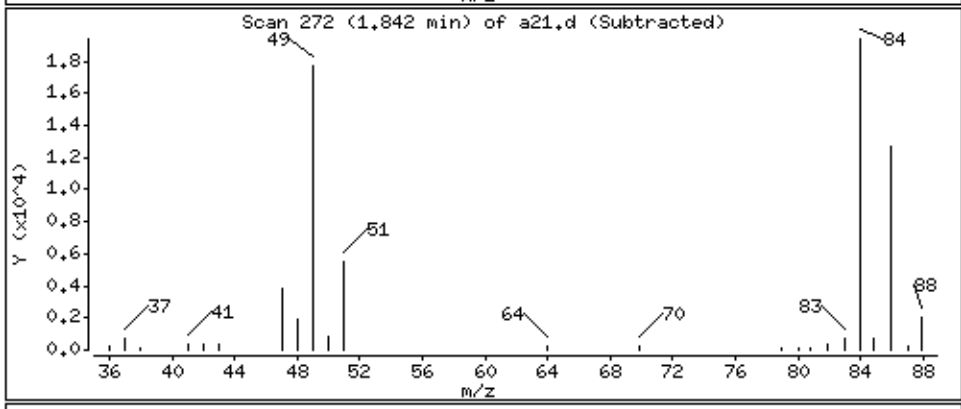
Column phase: DB-624

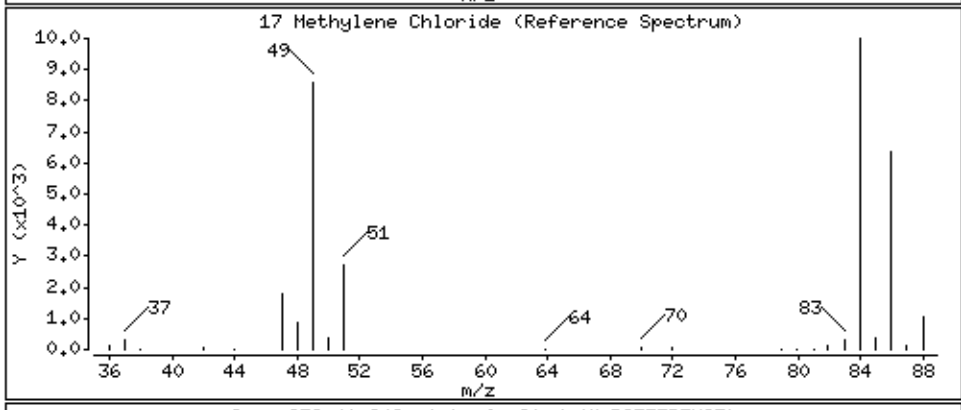
Column diameter: 0.18

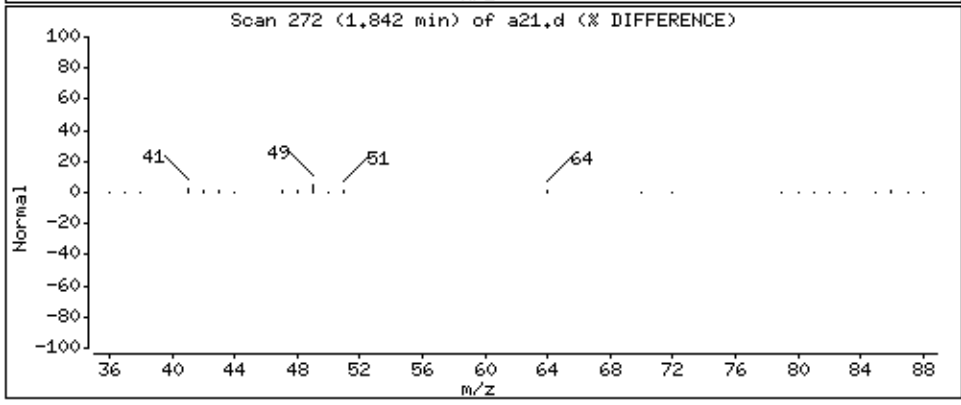
17 Methylene Chloride

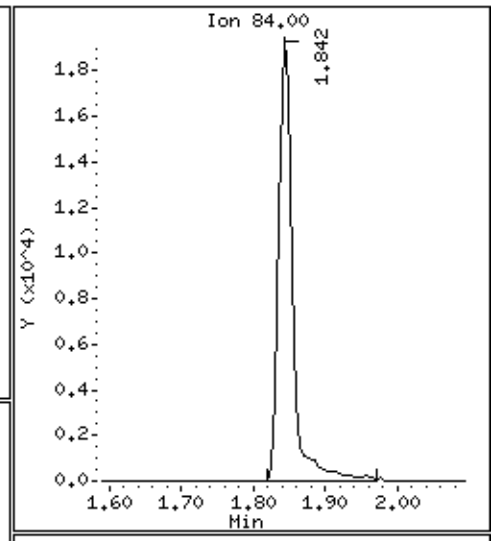
Concentration: 0.0319 ppb

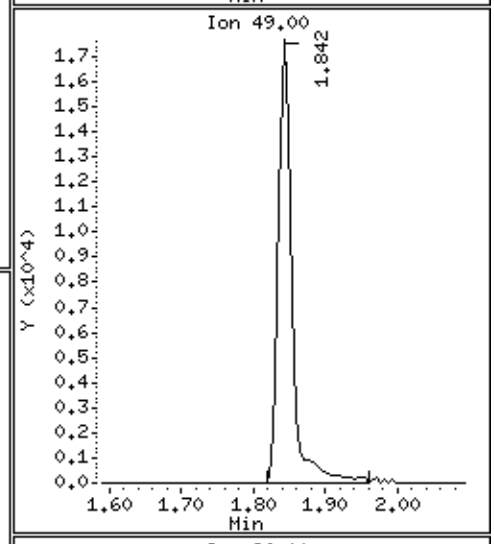


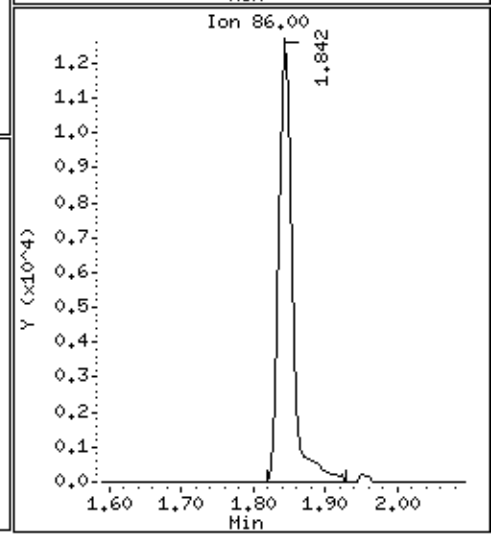












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a21.d

Date : 04-JUL-2014 02:28

Client ID: TMW-8 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765012

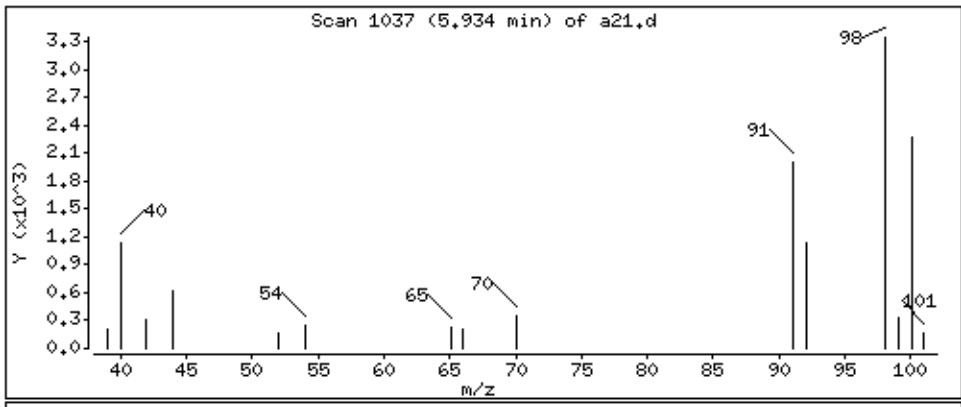
Operator: ala

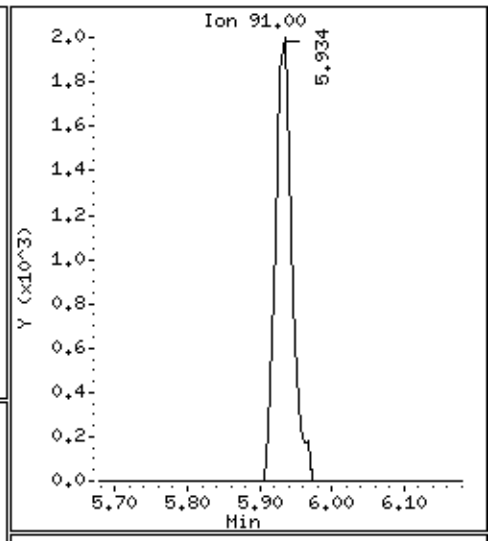
Column phase: DB-624

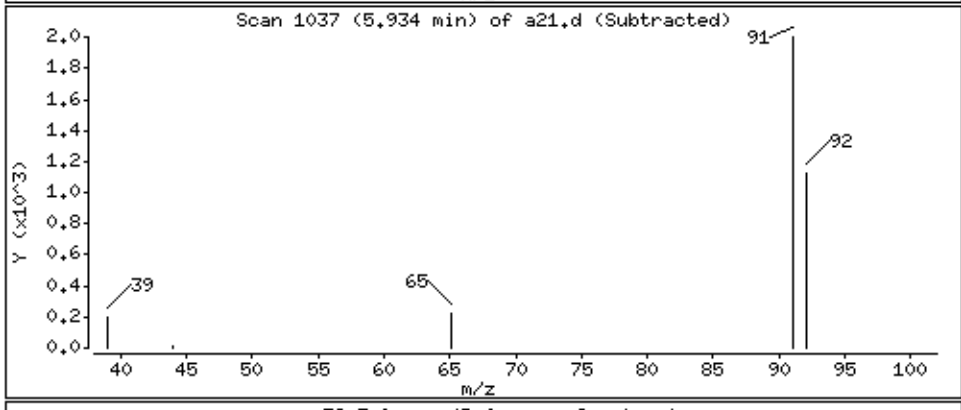
Column diameter: 0.18

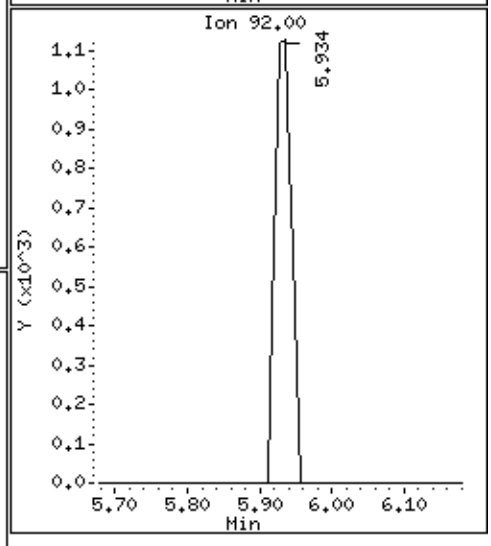
52 Toluene

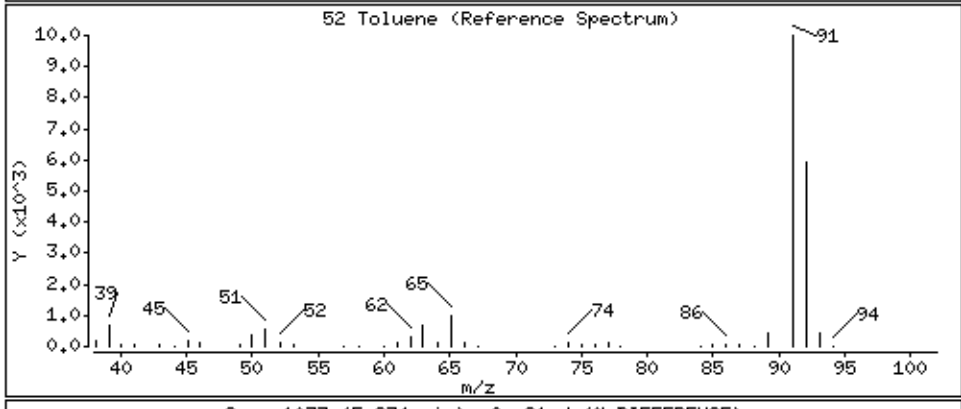
Concentration: 0.223 ppb

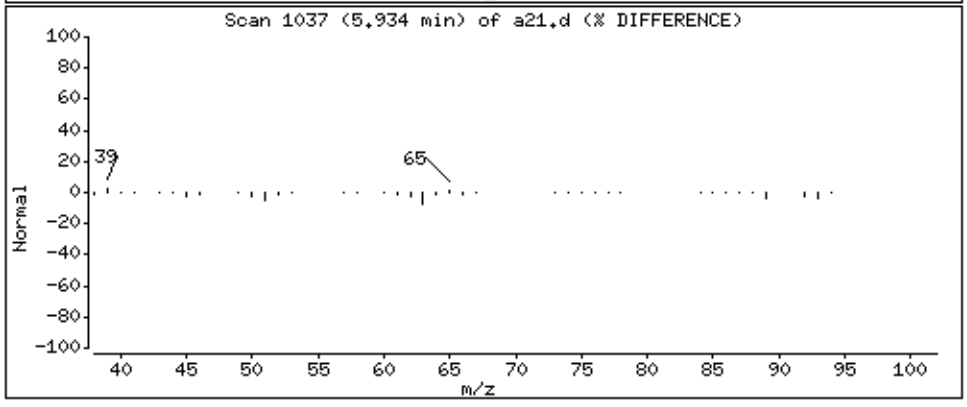












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Date : 04-JUL-2014 02:28

Client ID: TMW-8 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765012

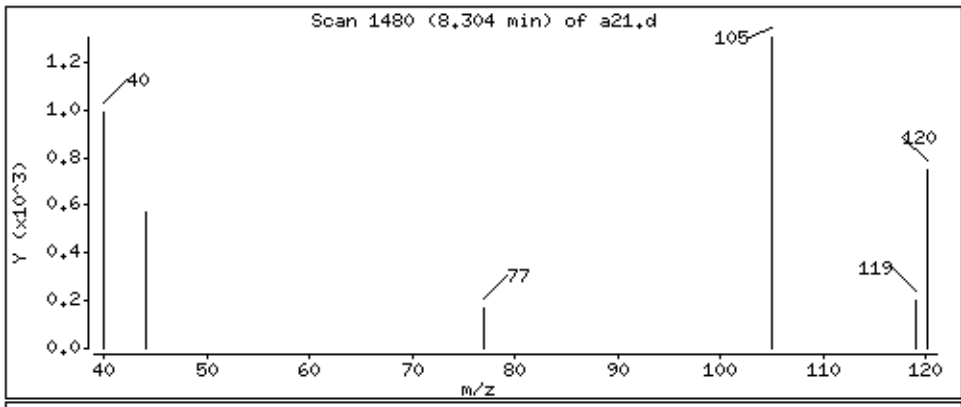
Operator: ala

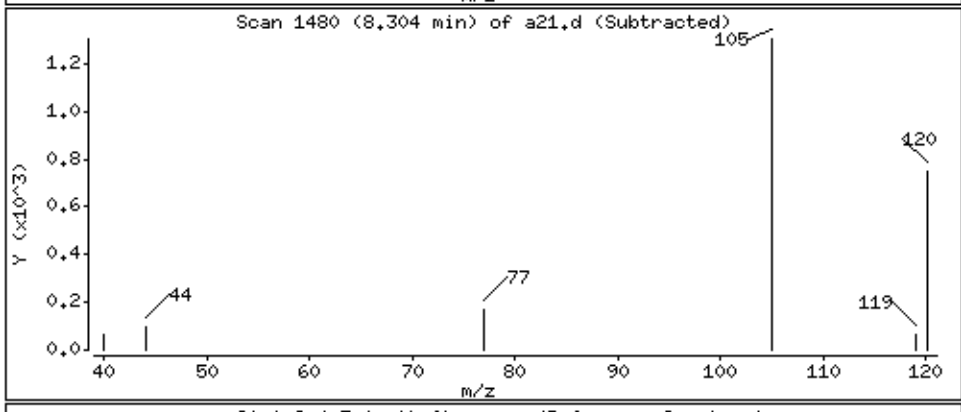
Column phase: DB-624

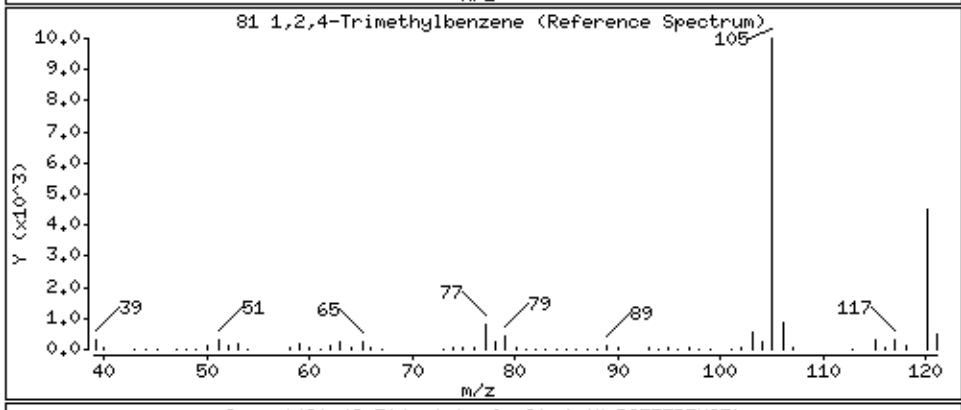
Column diameter: 0.18

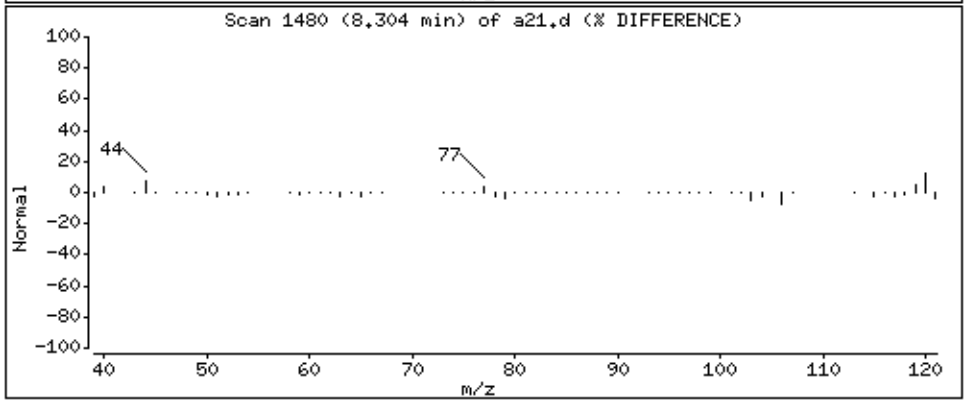
81 1,2,4-Trimethylbenzene

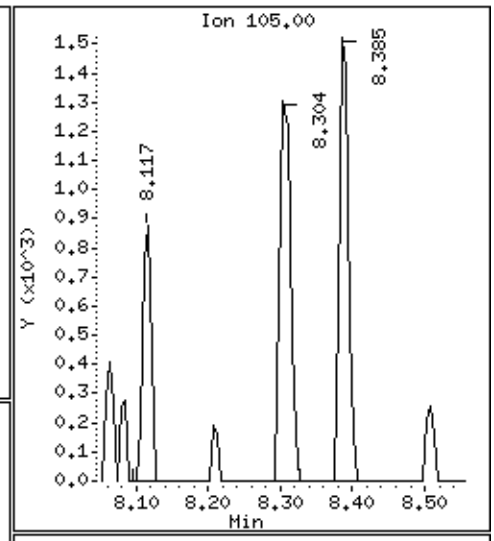
Concentration: 2.81 ppb

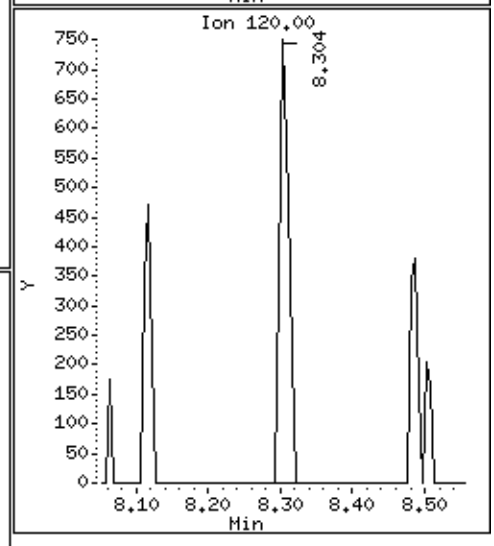












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Date : 04-JUL-2014 02:28

Client ID: TMW-8 (10-12)

Instrument: 50mv6b.i

Sample Info: 5099765012

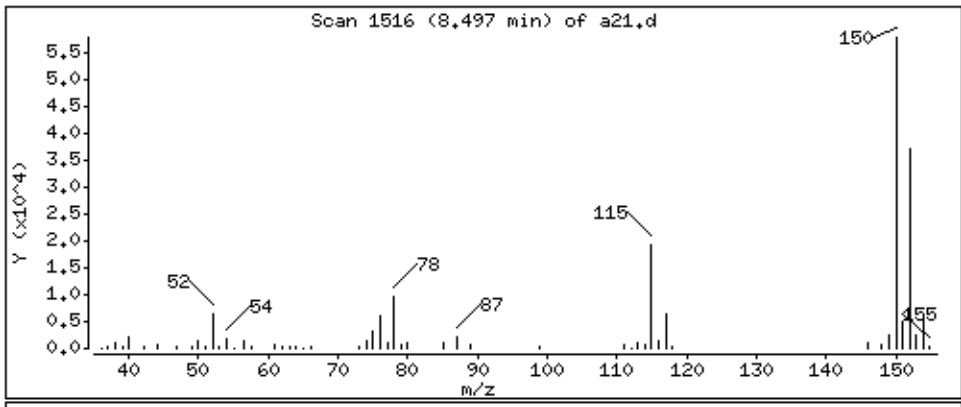
Operator: ala

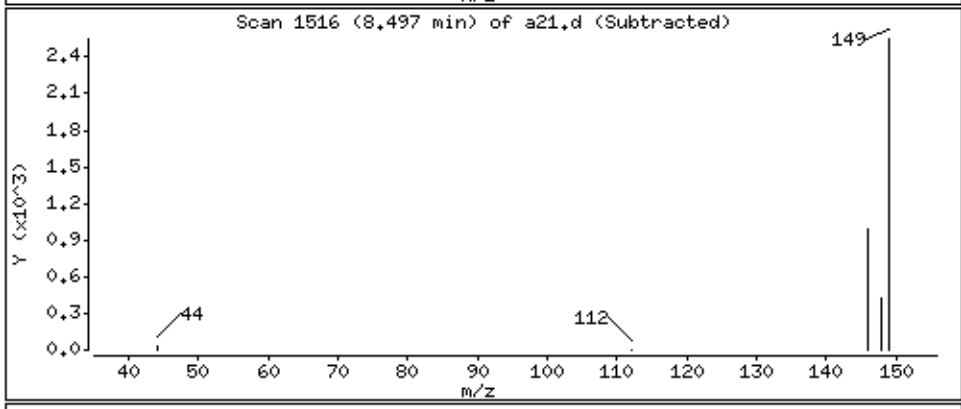
Column phase: DB-624

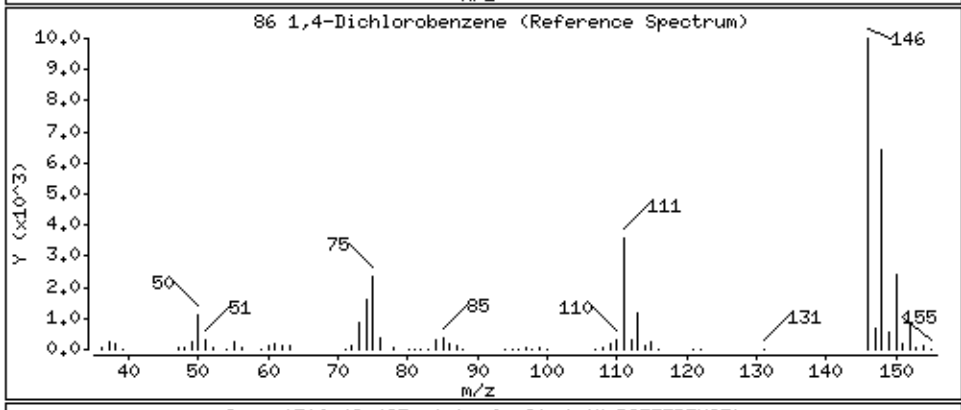
Column diameter: 0.18

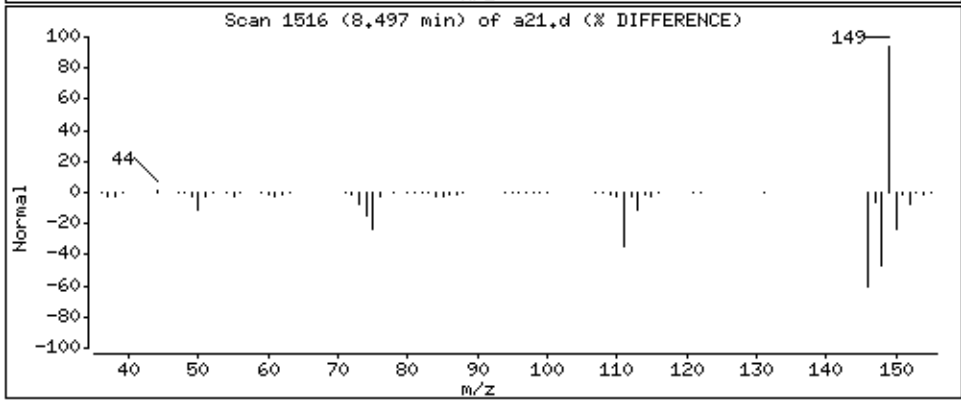
86 1,4-Dichlorobenzene

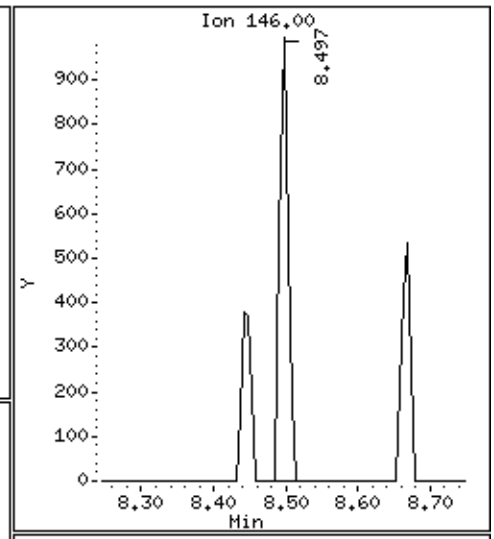
Concentration: 0.0916 ppb

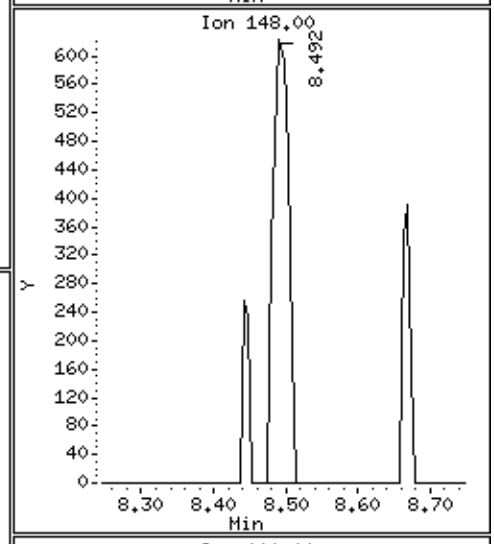


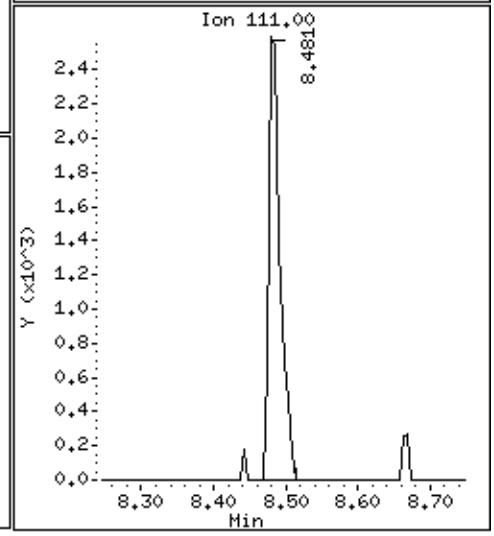












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a21.d
Injection Date: 04-JUL-2014 02:28
Instrument: 50mv6b.i
Lab Sample ID: 5099765012
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

P-2 (1-3)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:56 Lab Sample ID: 5099765013

Date Analyzed: 07/04/2014 02:56 Lab File ID: B070314CAL.B\A22.D

Initial wt/vol: 6.242 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 8.0%

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

SAMPLE NO.

P-2 (1-3)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 02:56 Lab Sample ID: 5099765013

Date Analyzed: 07/04/2014 02:56 Lab File ID: B070314CAL.B\A22.D

Initial wt/vol: 6.242 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 8.0%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d
Lab Smp Id: 5099765013 Client Smp ID: P-2 (1-3)
Inj Date : 04-JUL-2014 02:56
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765013
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

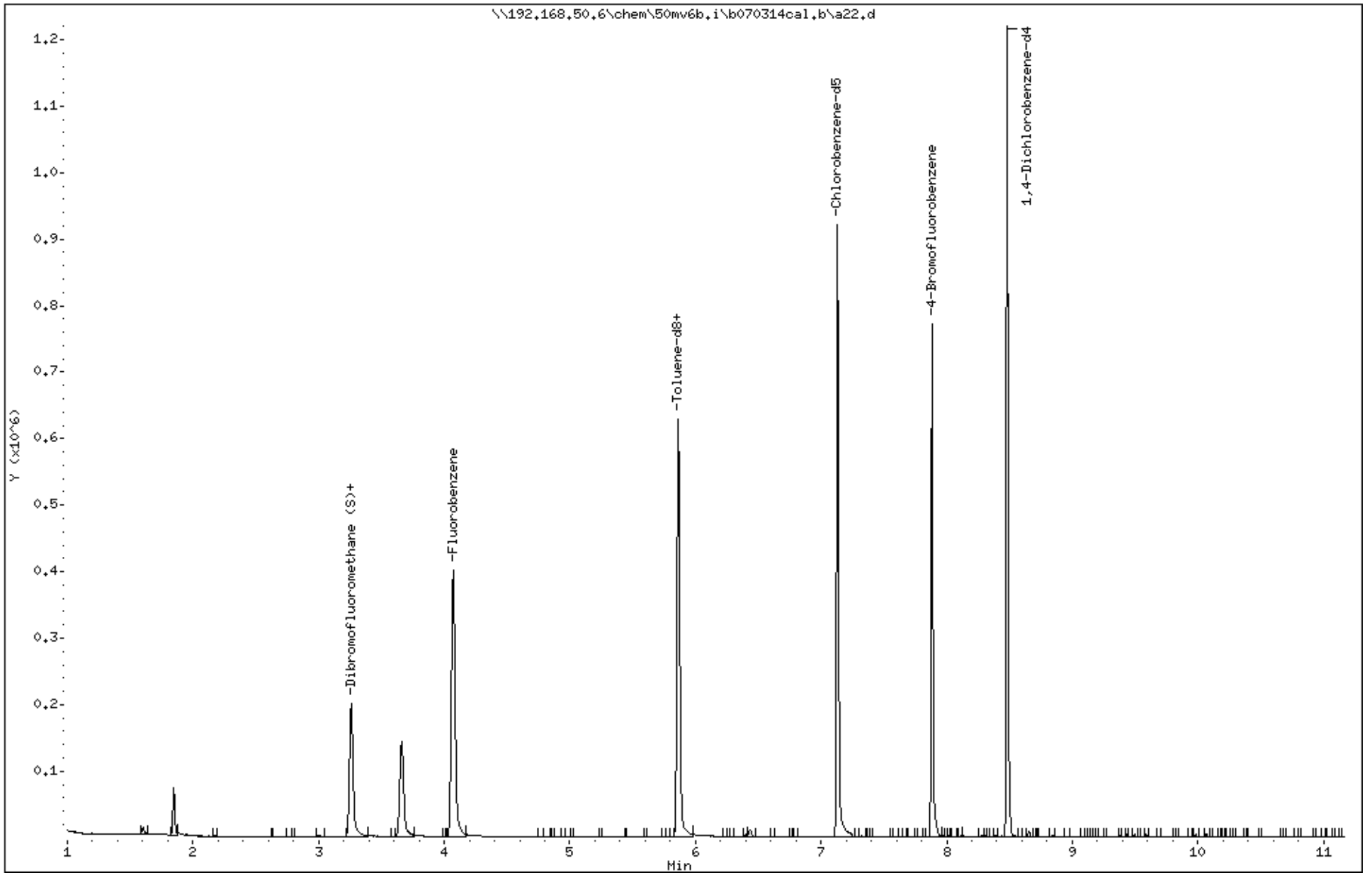
Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	7.971	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.601	1.601	(0.393)	11144	6.79748	7.39
	17 Methylene Chloride	84	1.847	1.841	(0.454)	24145	0.05161	0.0561
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.800)	134657	57.0827	62.0
	34 1,1,1-Trichloroethane	97	3.259	3.248	(0.800)	1223	0.32439	0.352
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	455498	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	400408	46.5210	50.6
	52 Toluene	91	5.934	5.928	(0.832)	953	0.07216	0.0784
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	2449	0.66804	0.726
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	365227	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	153259	52.4771	57.0
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	204751	50.0000	

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d
Date : 04-JUL-2014 02:56
Client ID: P-2 (1-3)
Sample Info: 5099765013

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d

Date : 04-JUL-2014 02:56

Client ID: P-2 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765013

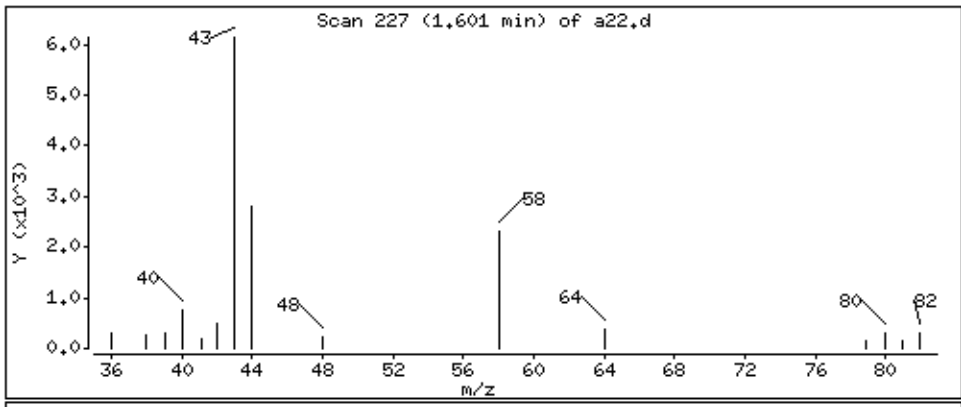
Operator: ala

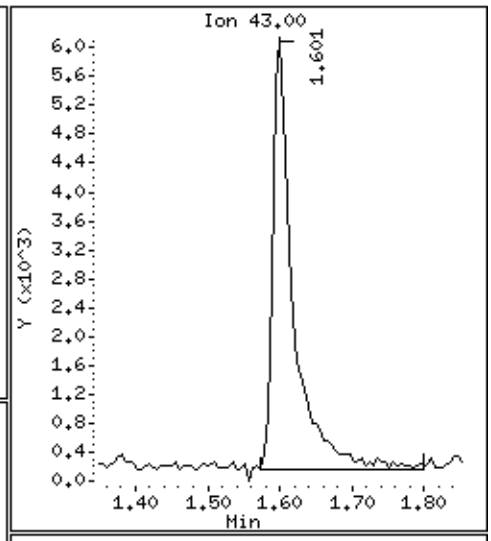
Column phase: DB-624

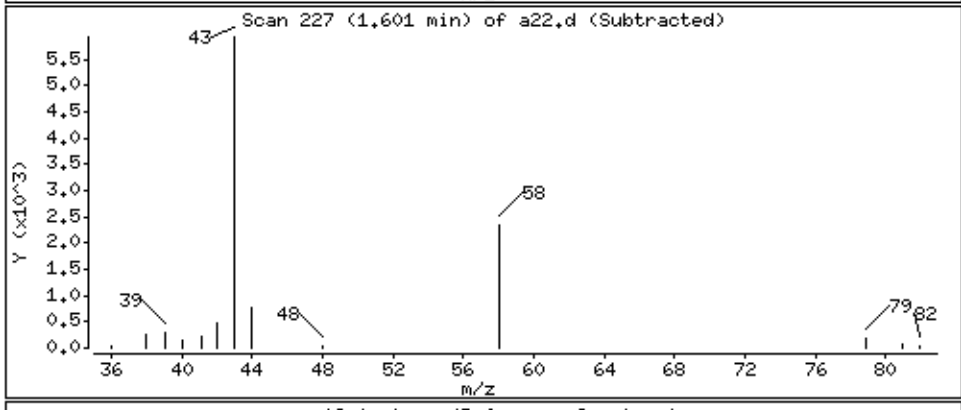
Column diameter: 0.18

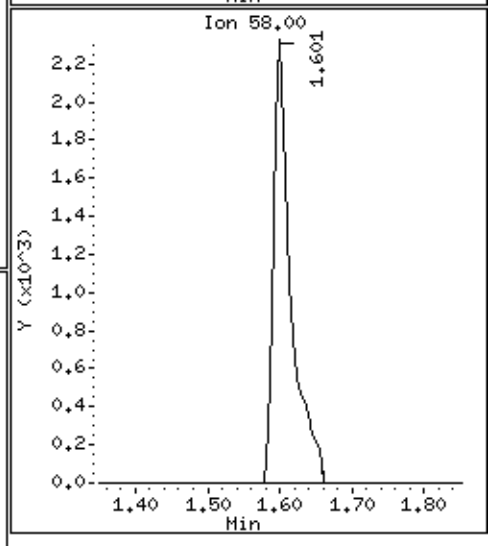
12 Acetone

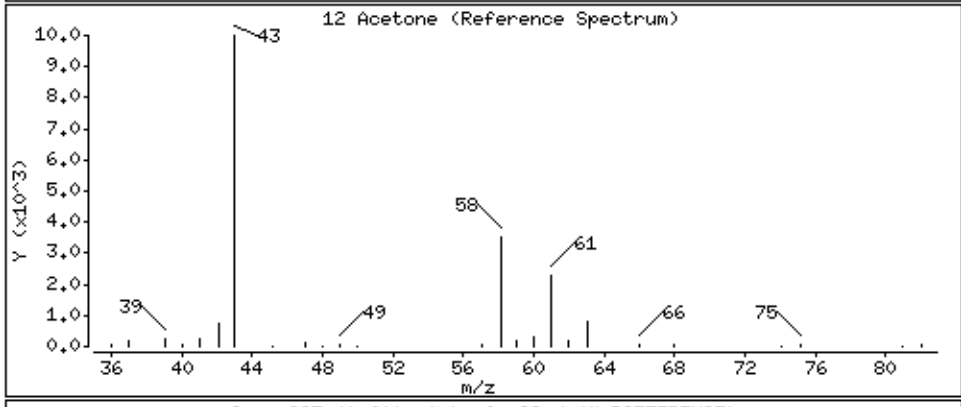
Concentration: 7.39 ppb

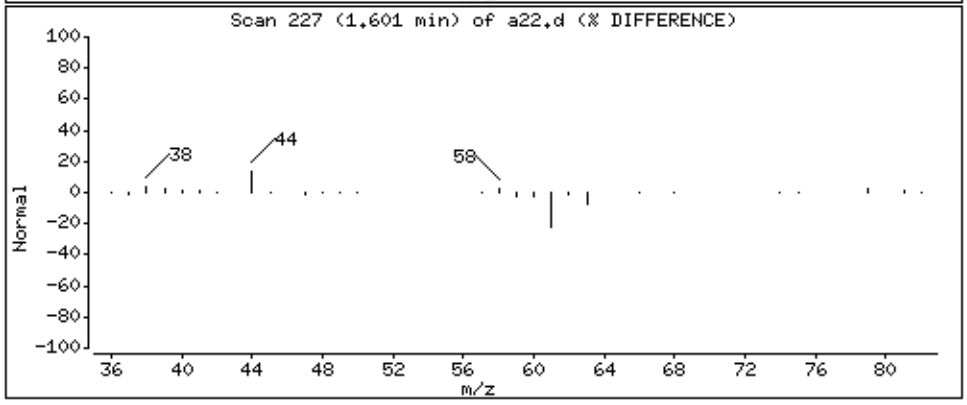












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d

Date : 04-JUL-2014 02:56

Client ID: P-2 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765013

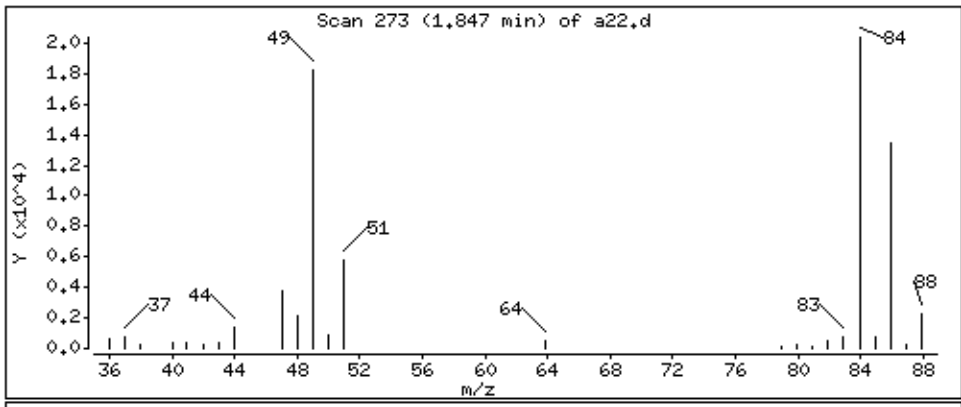
Operator: ala

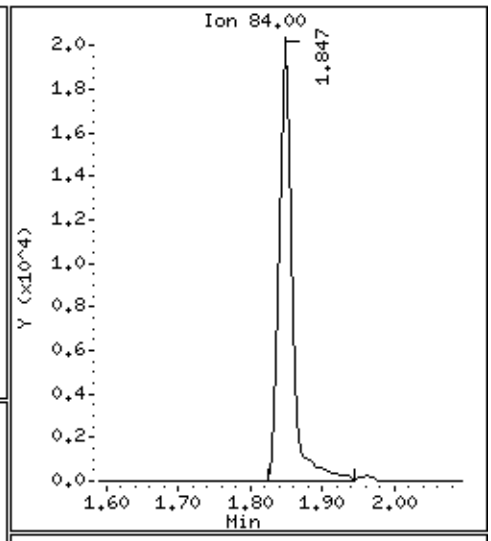
Column phase: DB-624

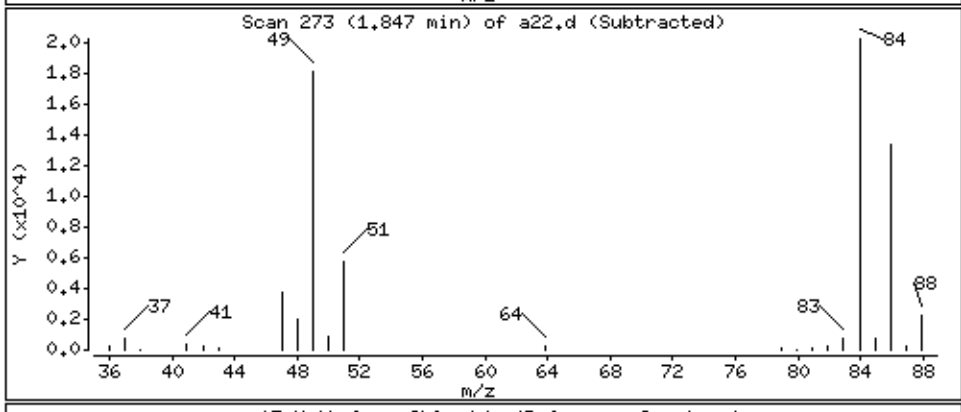
Column diameter: 0.18

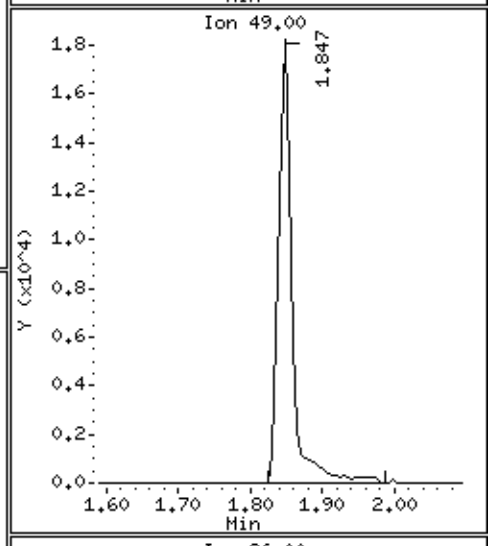
17 Methylene Chloride

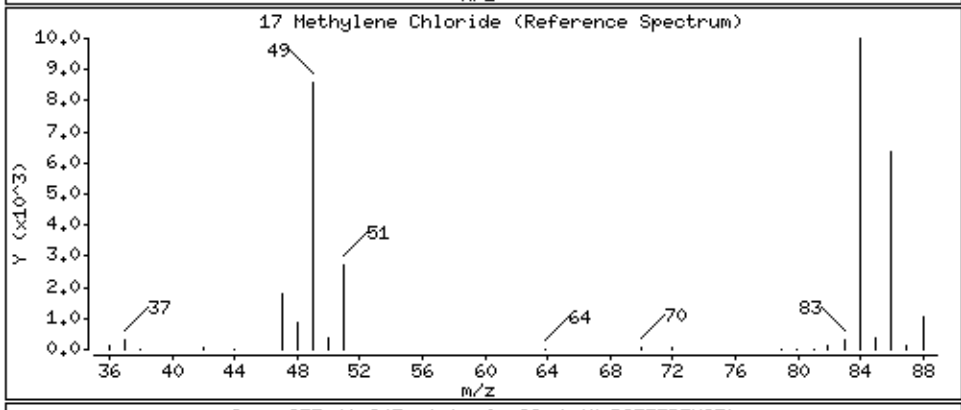
Concentration: 0.0561 ppb

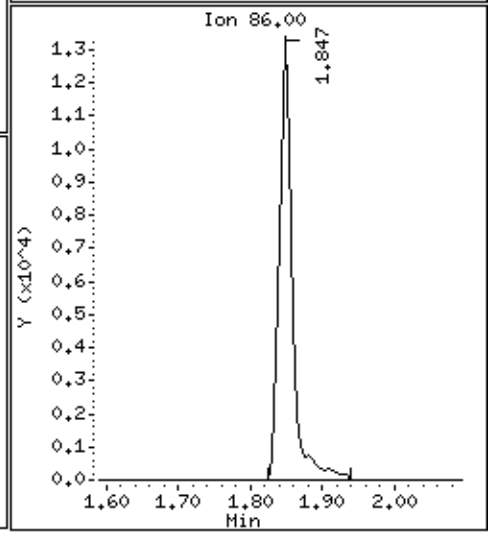


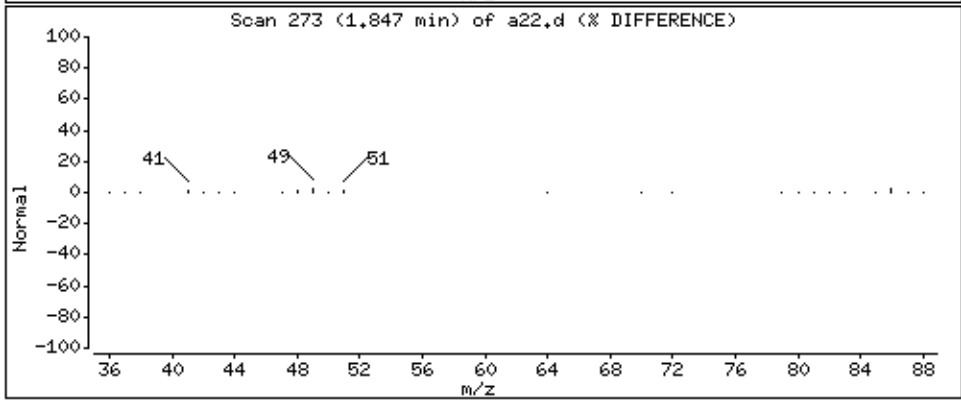












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d

Date : 04-JUL-2014 02:56

Client ID: P-2 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765013

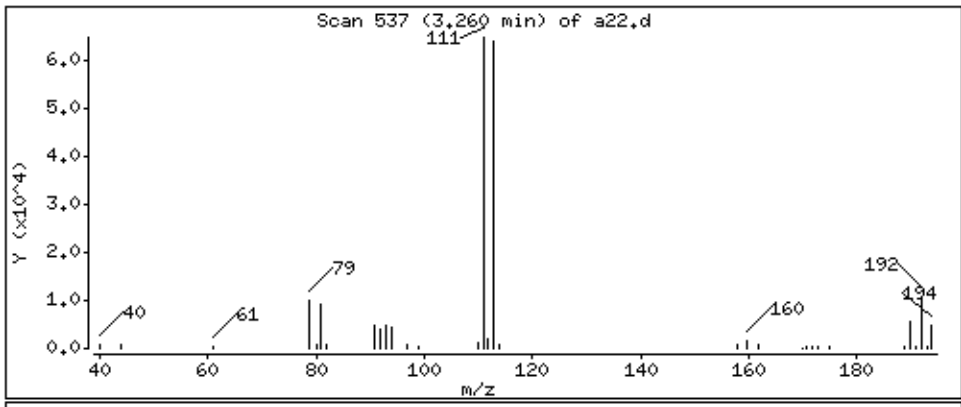
Operator: ala

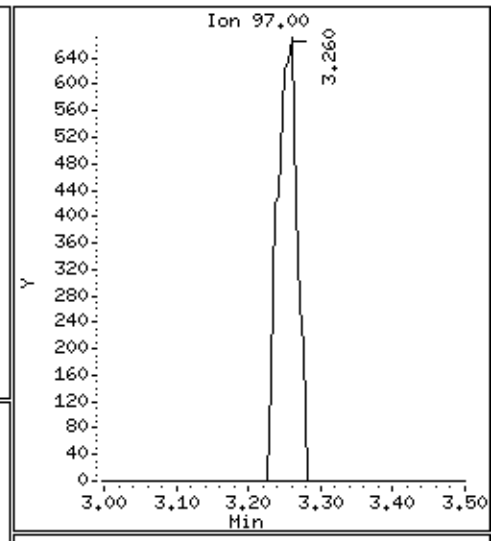
Column phase: DB-624

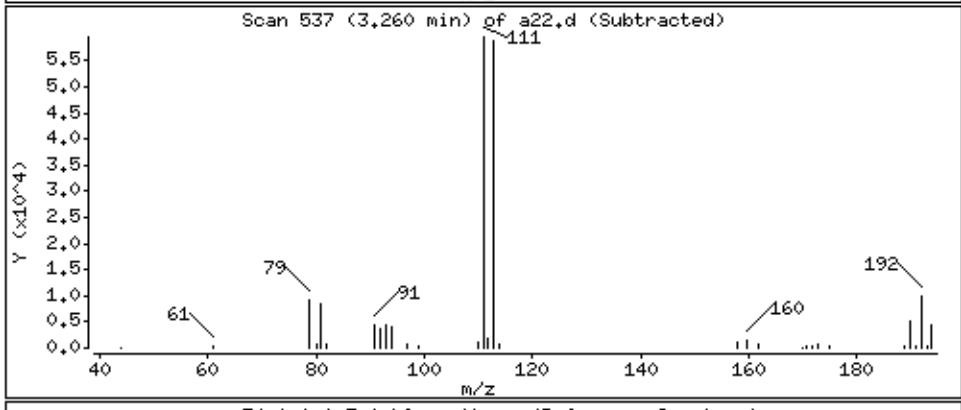
Column diameter: 0.18

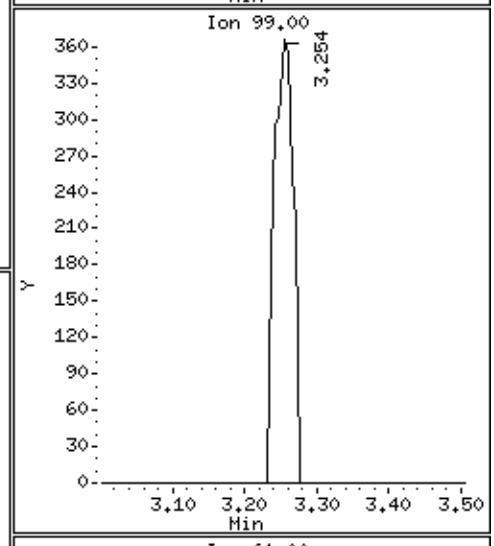
34 1,1,1-Trichloroethane

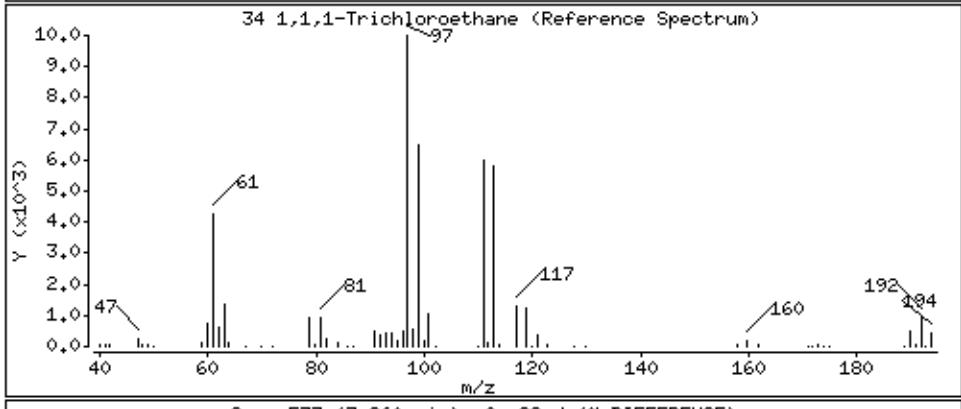
Concentration: 0.352 ppb

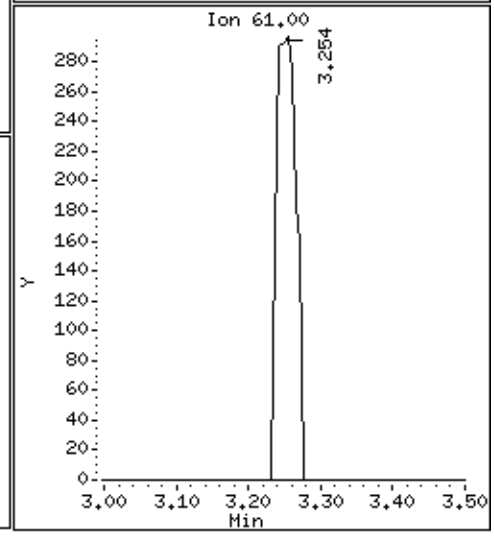


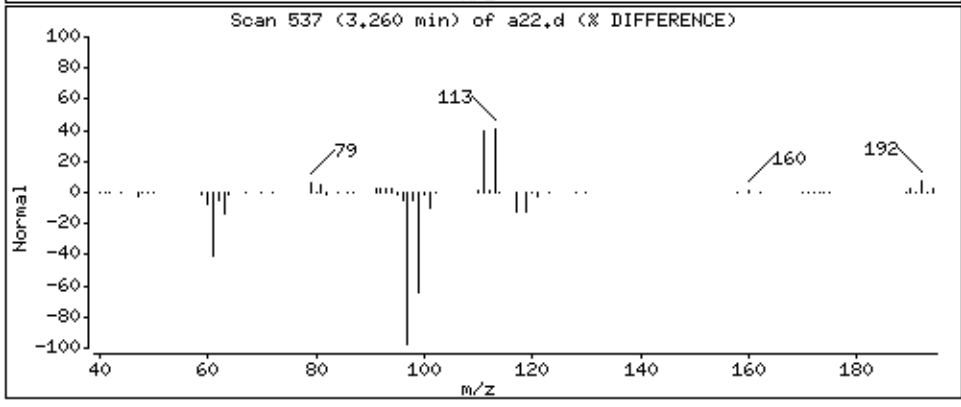












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d

Date : 04-JUL-2014 02:56

Client ID: P-2 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765013

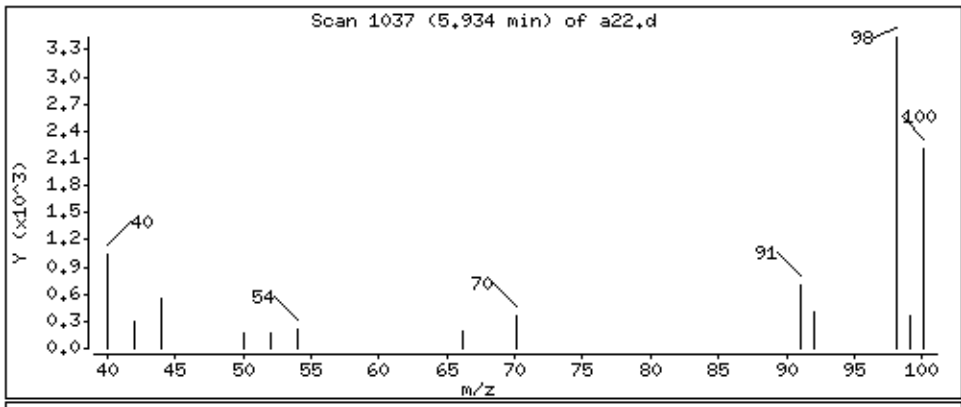
Operator: ala

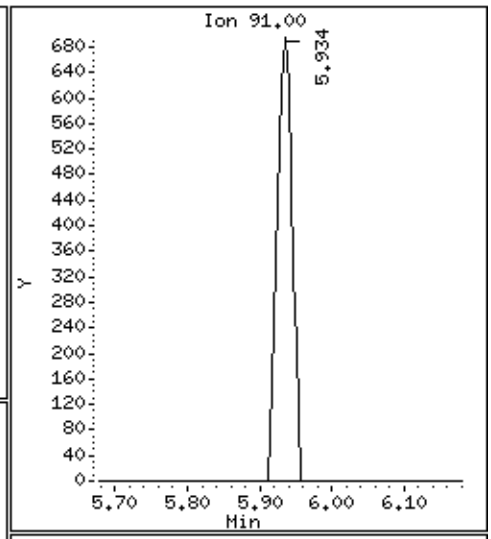
Column phase: DB-624

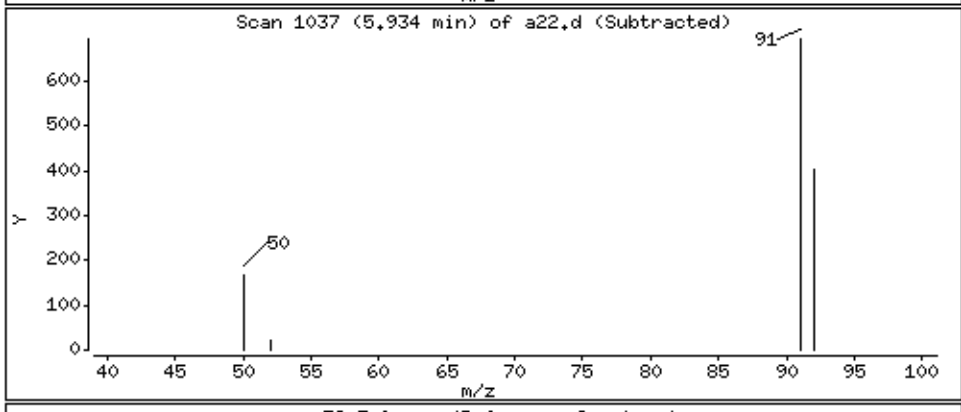
Column diameter: 0.18

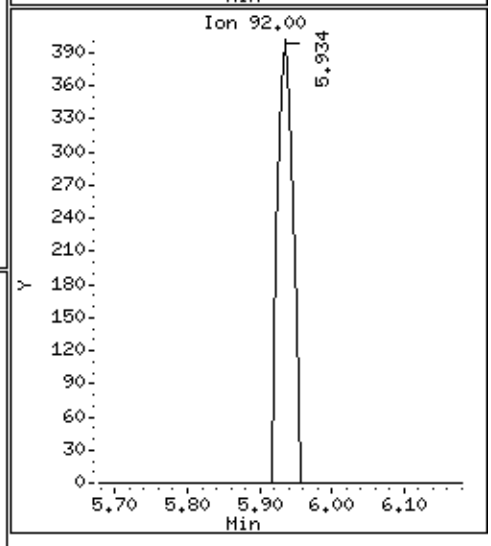
52 Toluene

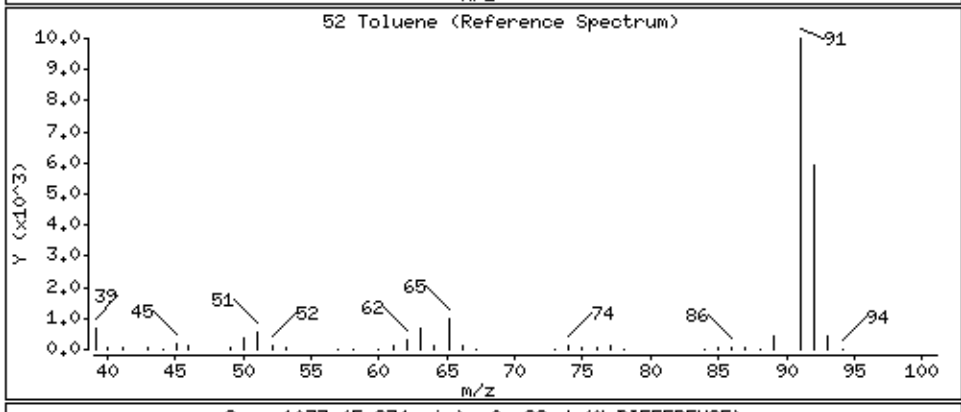
Concentration: 0.0784 ppb

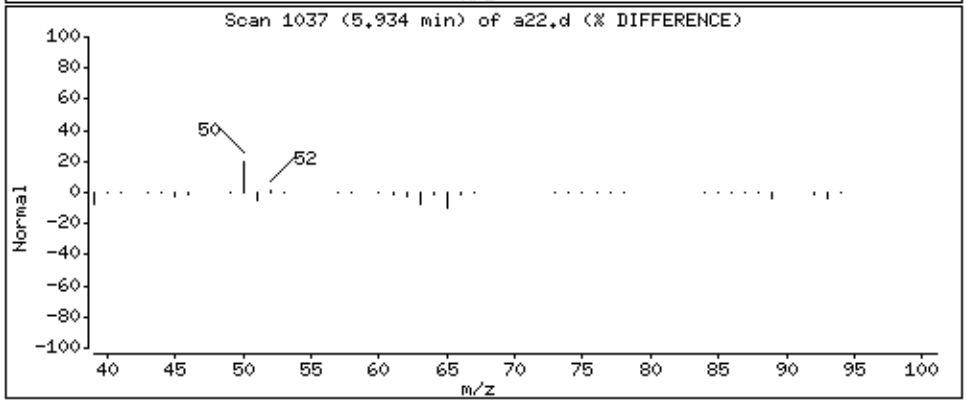












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a22.d

Date : 04-JUL-2014 02:56

Client ID: P-2 (1-3)

Instrument: 50mv6b.i

Sample Info: 5099765013

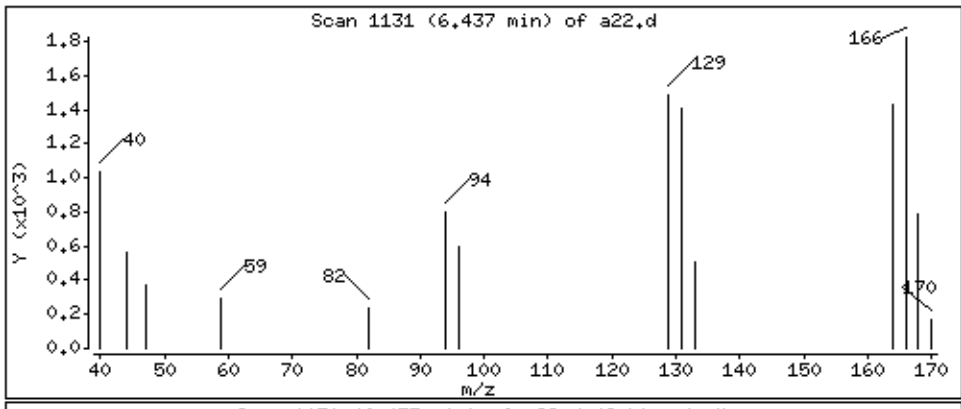
Operator: ala

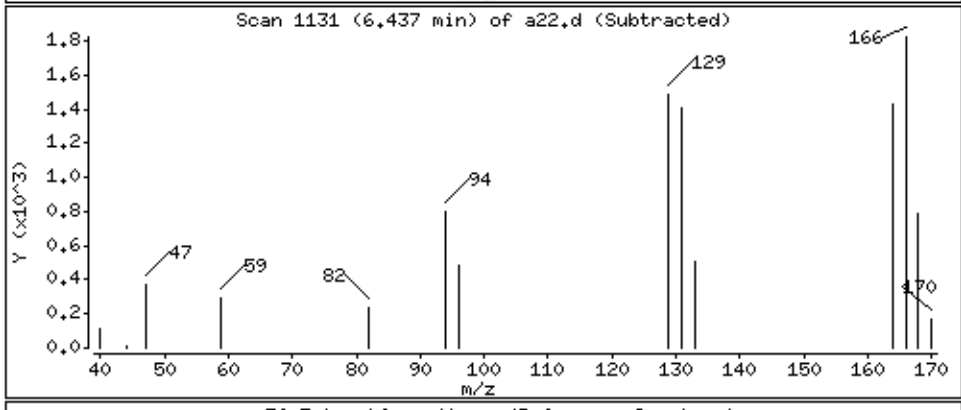
Column phase: DB-624

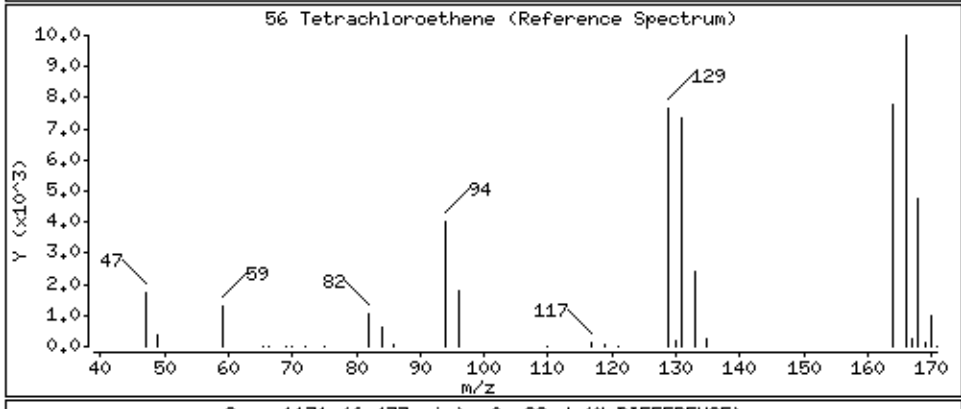
Column diameter: 0.18

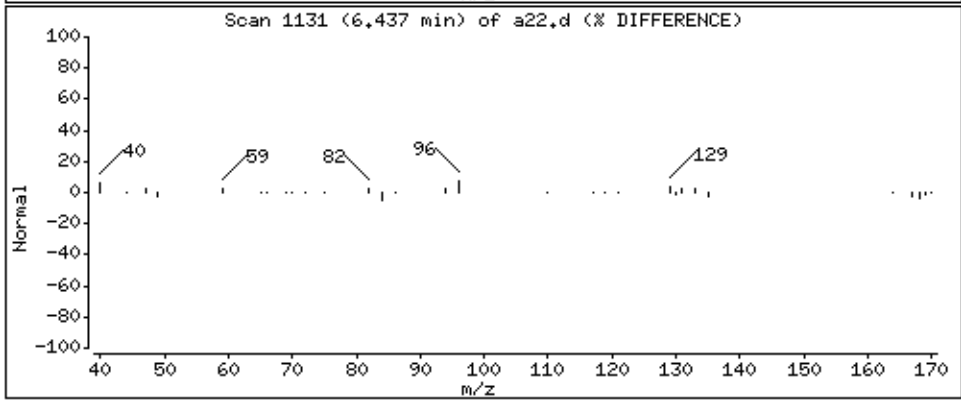
56 Tetrachloroethene

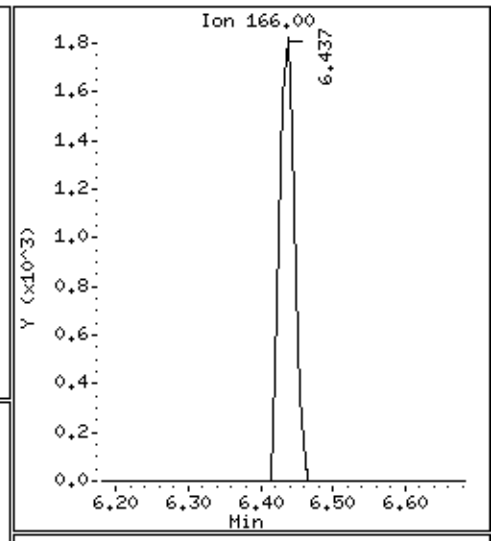
Concentration: 0.726 ppb

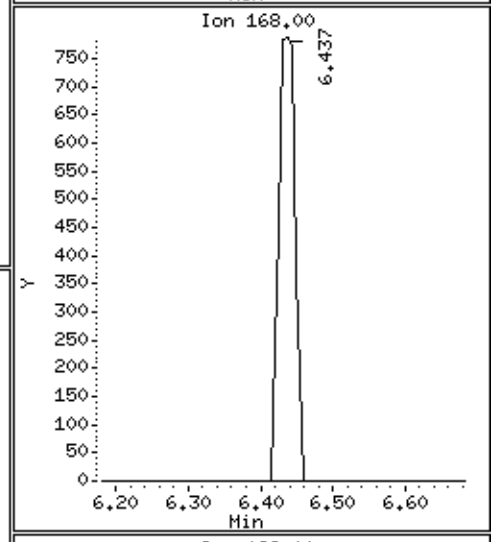


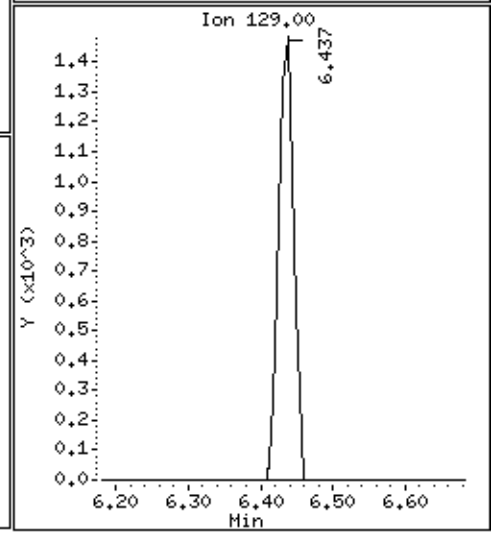












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a22.d
Injection Date: 04-JUL-2014 02:56
Instrument: 50mv6b.i
Lab Sample ID: 5099765013
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

P-2 (18-20)

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 05:12 Lab Sample ID: 5099765014

Date Analyzed: 07/04/2014 05:12 Lab File ID: B070314CAL.B\C04.D

Initial wt/vol: 6.472 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 11.3%

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

SAMPLE NO.

P-2 (18-20)

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 05:12 Lab Sample ID: 5099765014

Date Analyzed: 07/04/2014 05:12 Lab File ID: B070314CAL.B\C04.D

Initial wt/vol: 6.472 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 11.3%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d
Lab Smp Id: 5099765014 Client Smp ID: P-2 (18-20)
Inj Date : 04-JUL-2014 05:12
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765014
Misc Info : 66496
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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	11.258	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

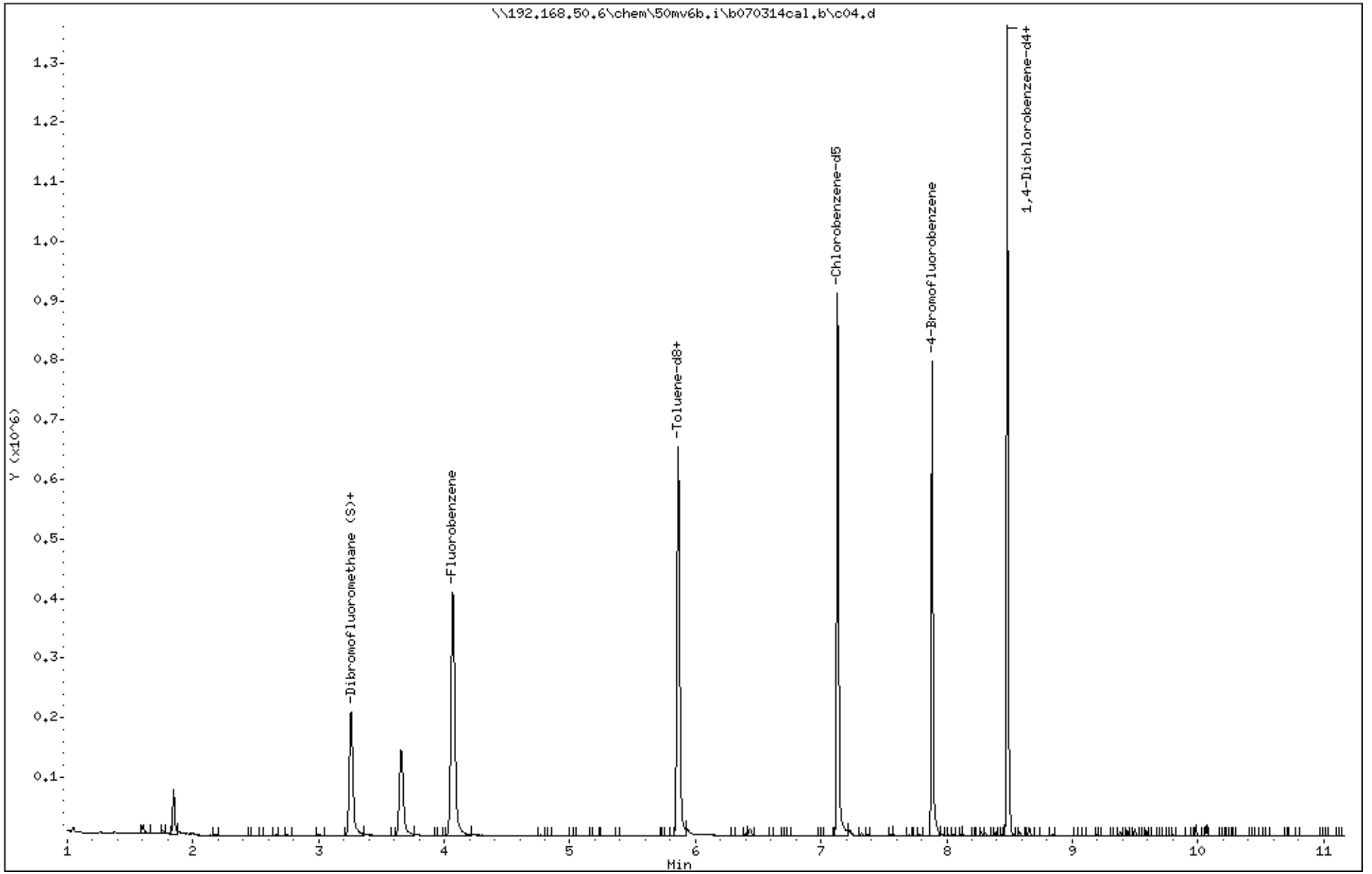
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	12 Acetone	43	1.601	1.601	(0.394)	13336	11.9206	13.4
	17 Methylene Chloride	84	1.847	1.841	(0.454)	26314	0.67926	0.765
	19 Acrylonitrile	53	1.980	1.980	(0.487)	767	0.71881	0.810
	20 Methyl-tert-butyl ether	73	1.996	1.996	(0.491)	700	0.11974	0.135(Q)
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.801)	137528	56.1526	63.3
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.800)	3489	0.89135	1.00
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	472915	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	415967	46.4022	52.3
	52 Toluene	91	5.929	5.928	(0.831)	3692	0.26841	0.302
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	3196	0.83706	0.943
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	380390	50.0000	
	64 Ethylbenzene	106	7.234	7.228	(1.014)	565	0.11723	0.132
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	161107	52.9654	59.7
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	1412	2.98836	3.37
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	2125	2.78902	3.14
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	211436	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	909	0.10928	0.123(Q)
	91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	925	0.30793	0.347

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d
Date : 04-JUL-2014 05:12
Client ID: P-2 (18-20)
Sample Info: 5099765014

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

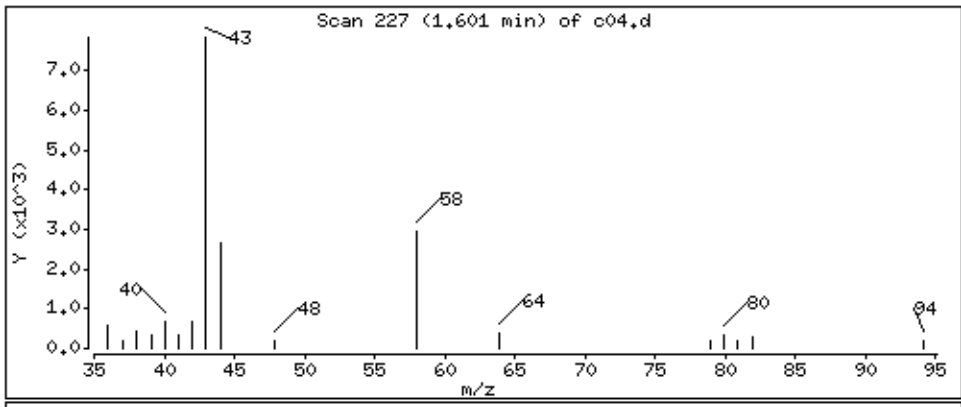
Operator: ala

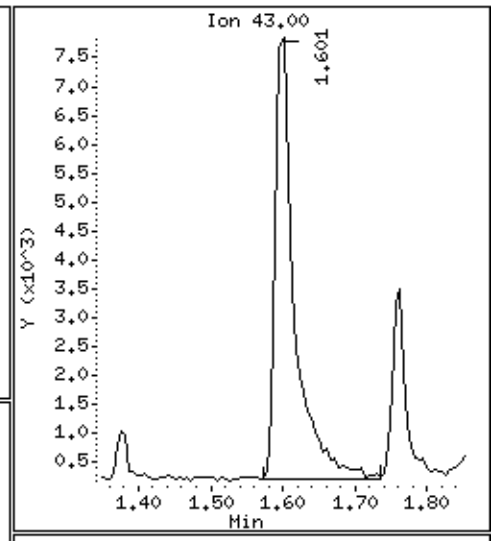
Column phase: DB-624

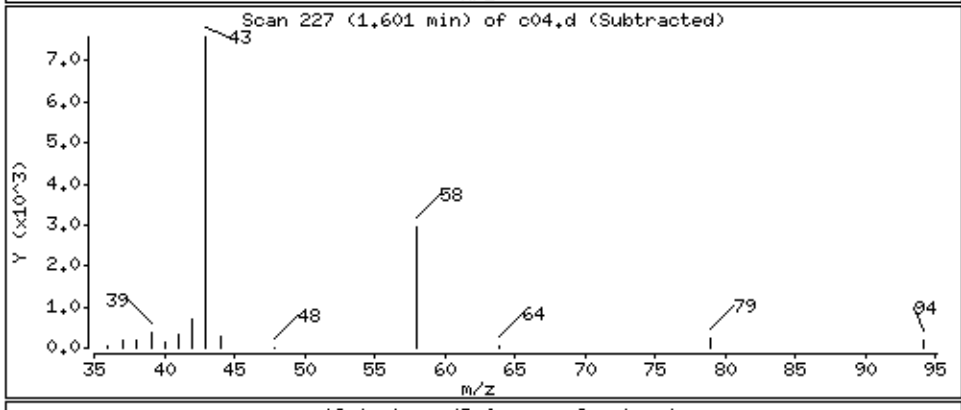
Column diameter: 0.18

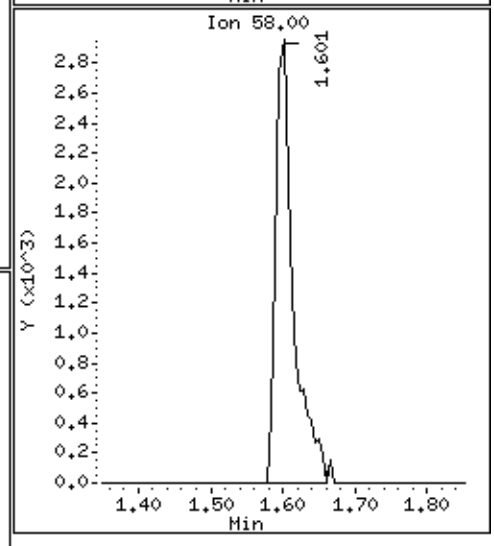
12 Acetone

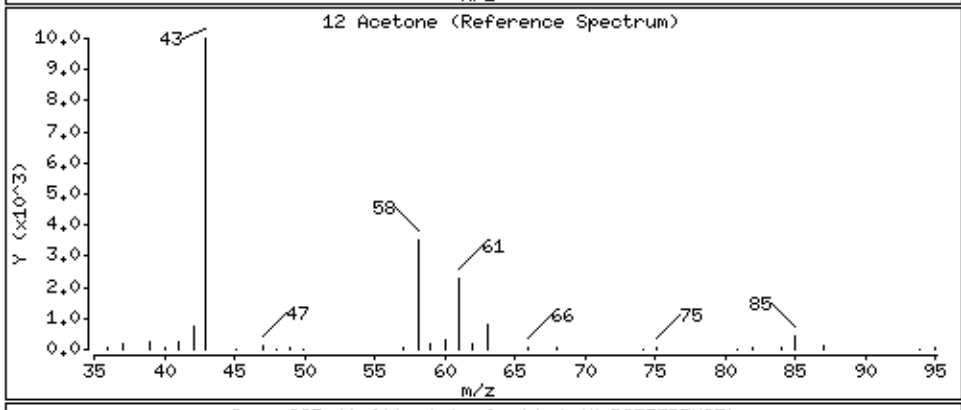
Concentration: 13.4 ppb

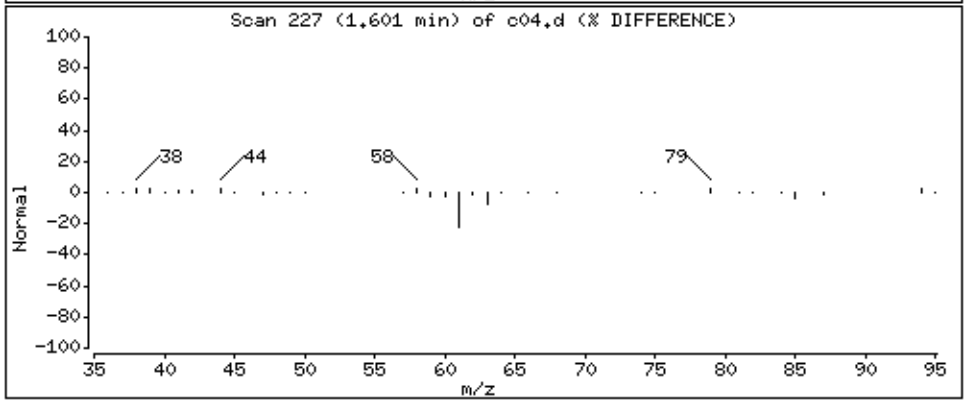












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

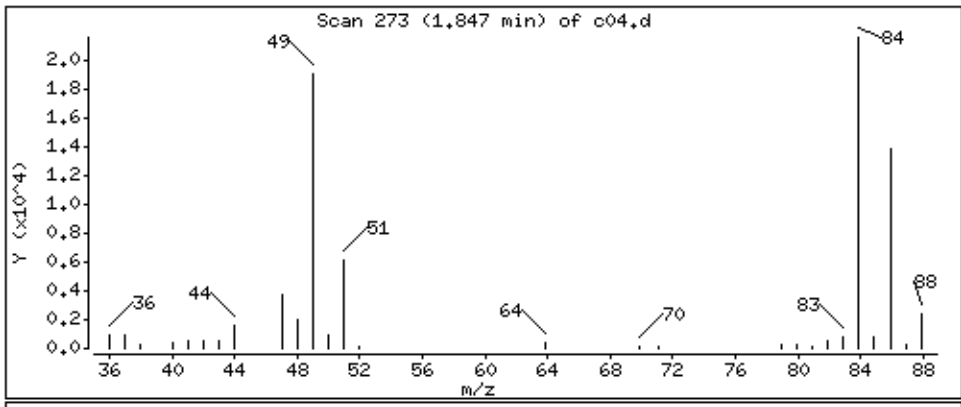
Operator: ala

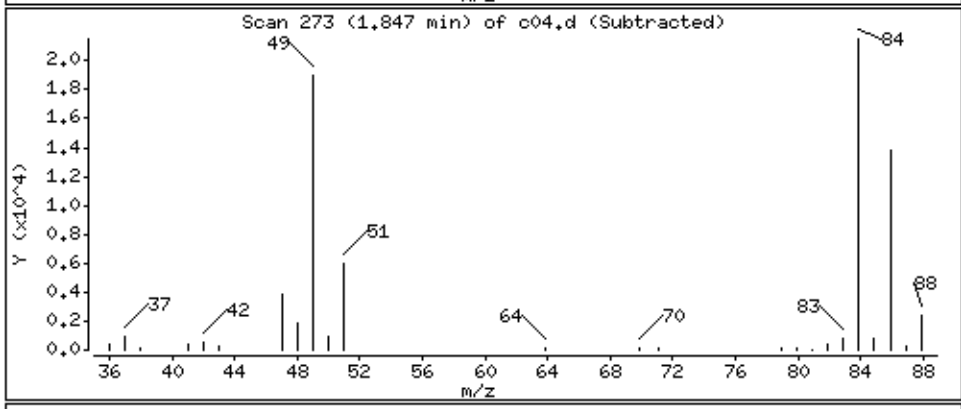
Column phase: DB-624

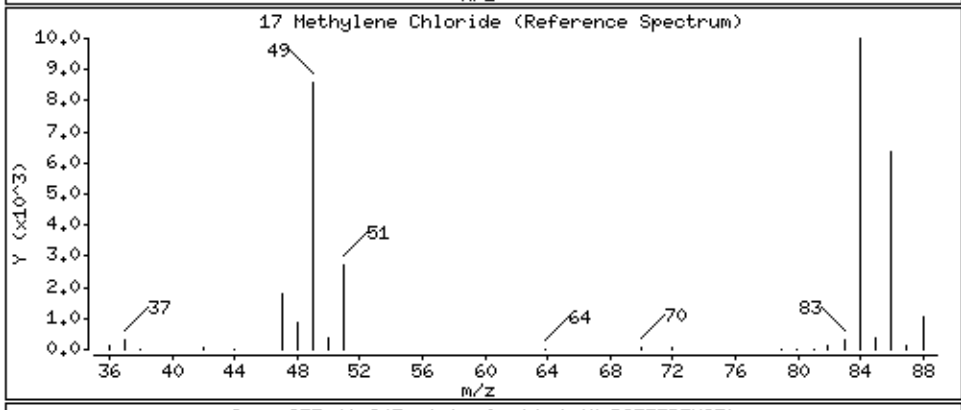
Column diameter: 0.18

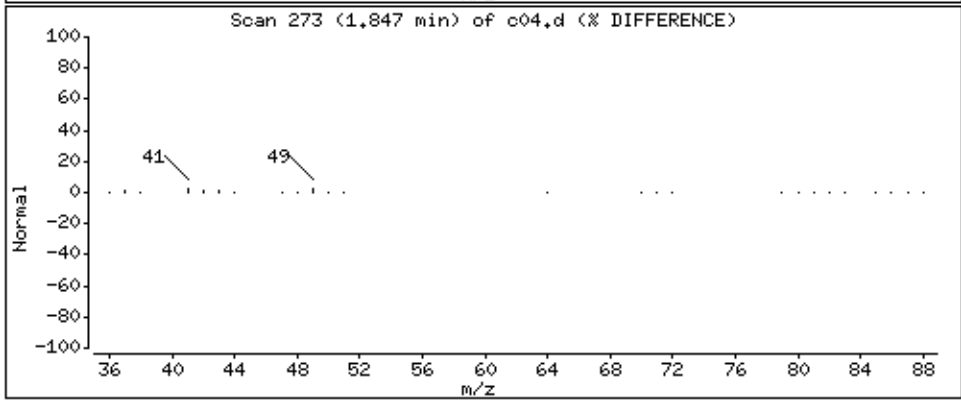
17 Methylene Chloride

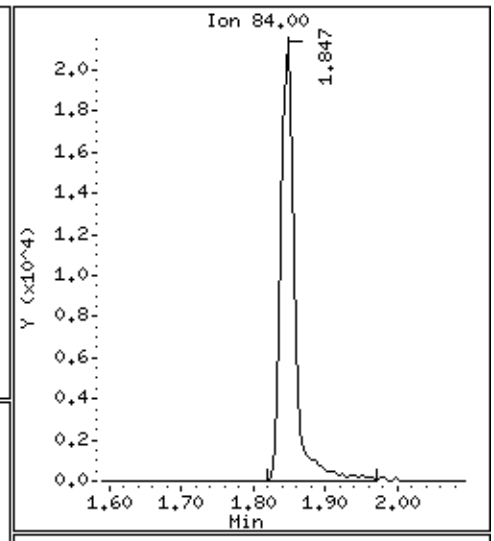
Concentration: 0.765 ppb

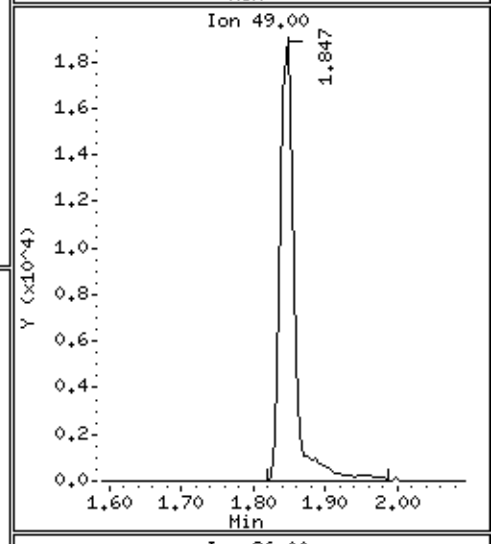


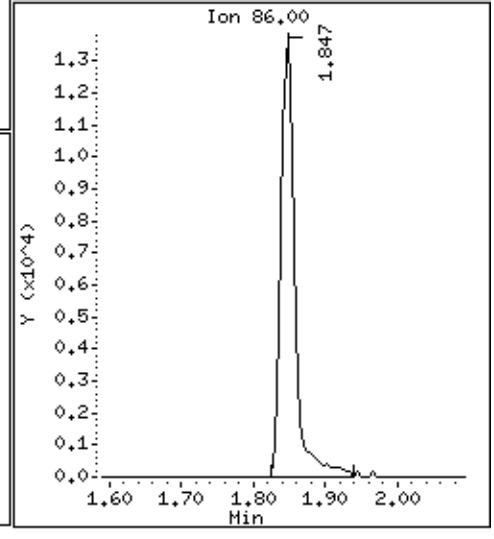












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

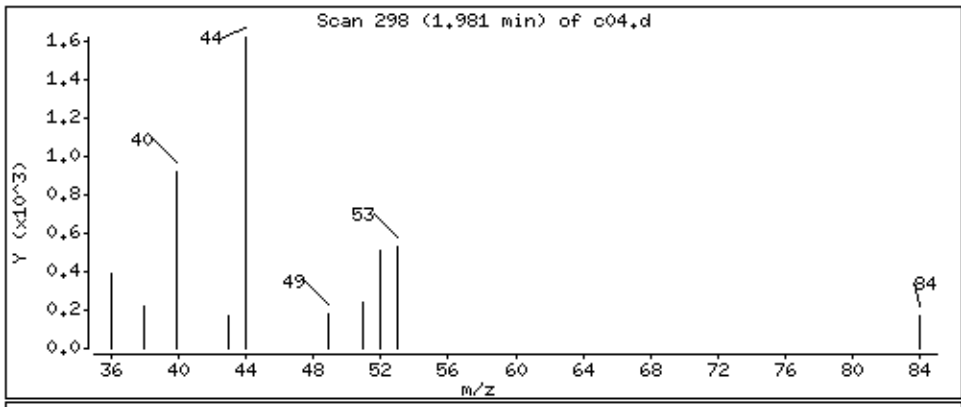
Operator: ala

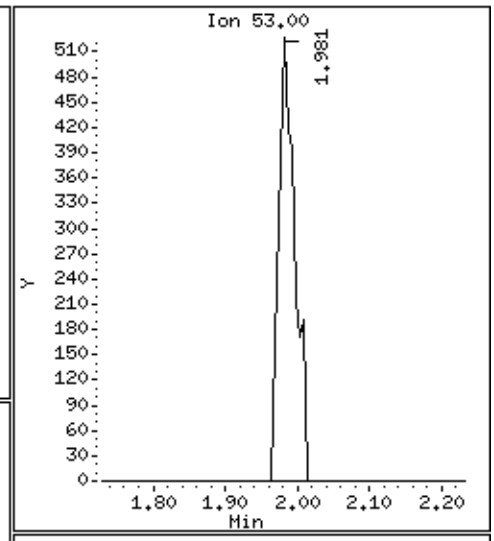
Column phase: DB-624

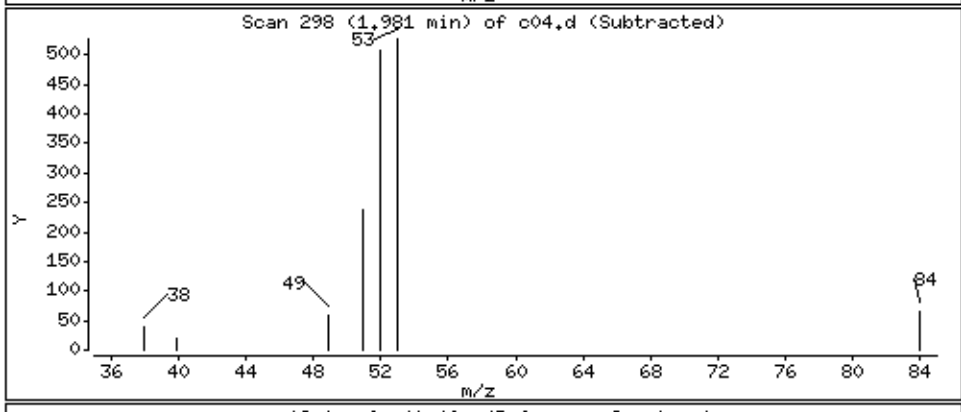
Column diameter: 0.18

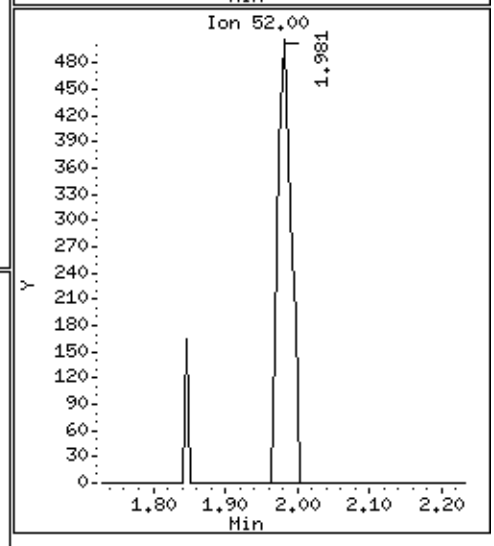
19 Acrylonitrile

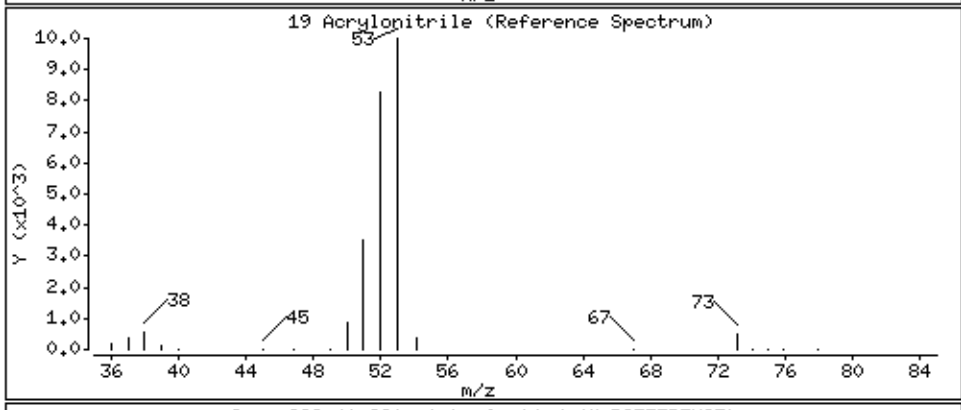
Concentration: 0.810 ppb

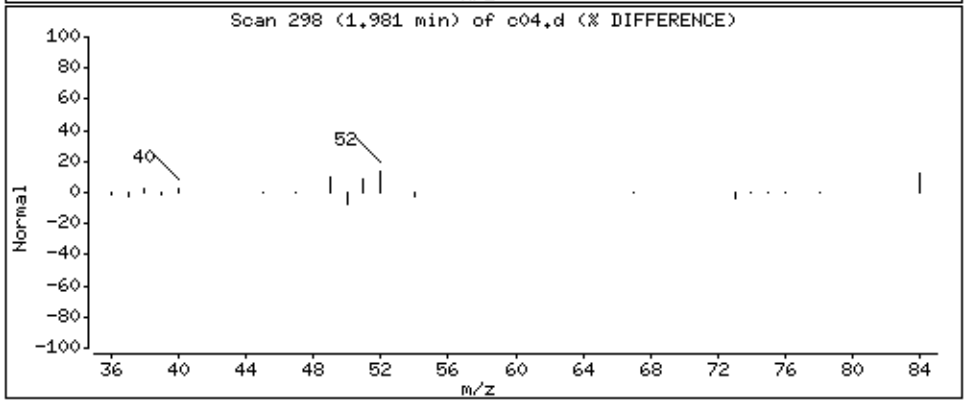












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

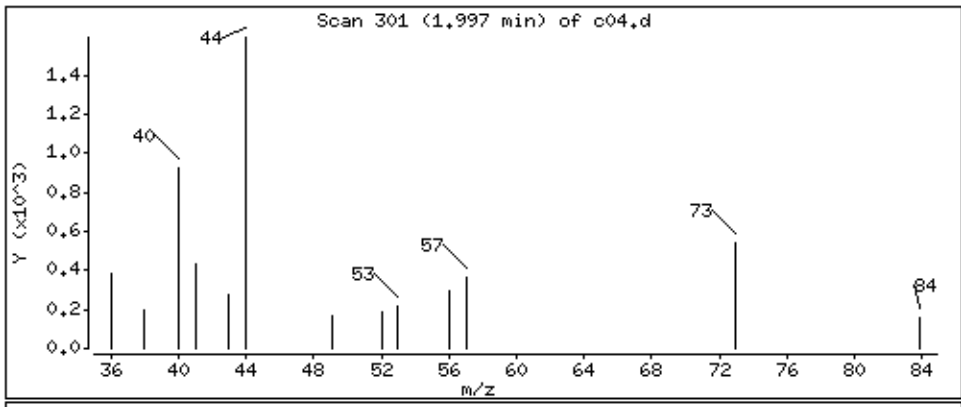
Operator: ala

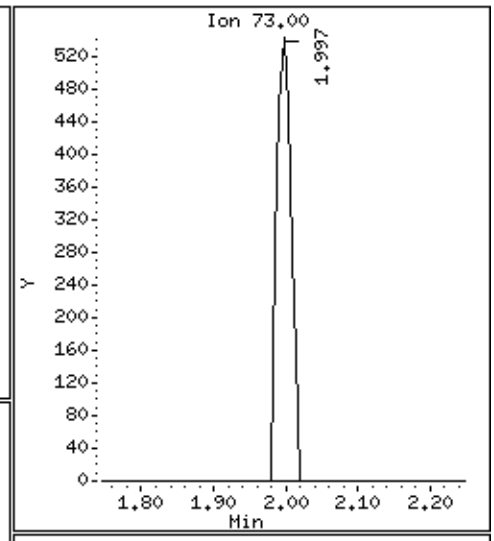
Column phase: DB-624

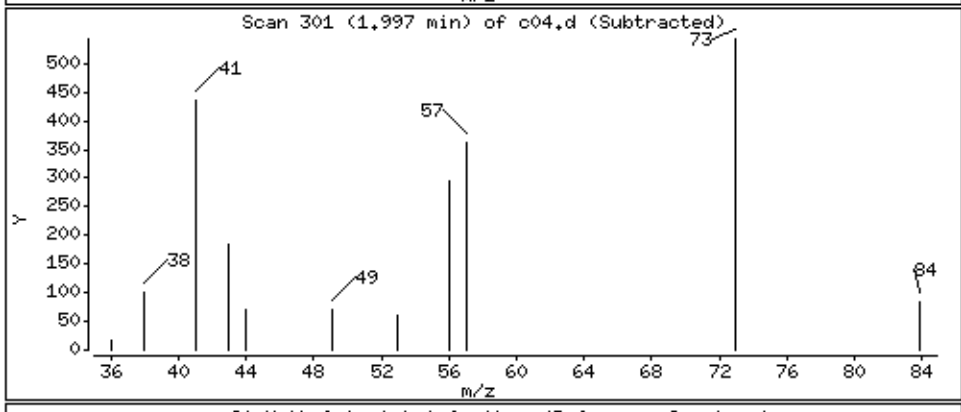
Column diameter: 0.18

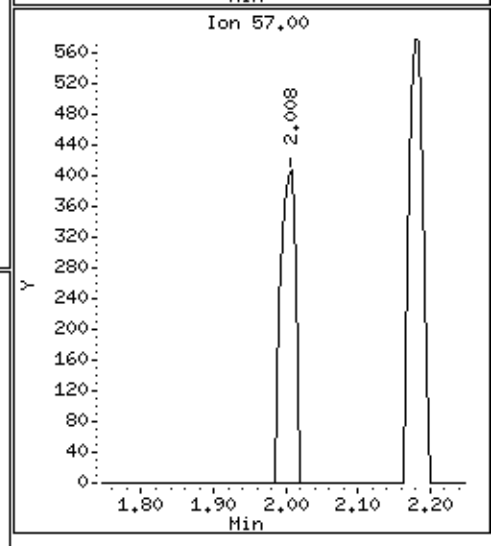
20 Methyl-tert-butyl ether

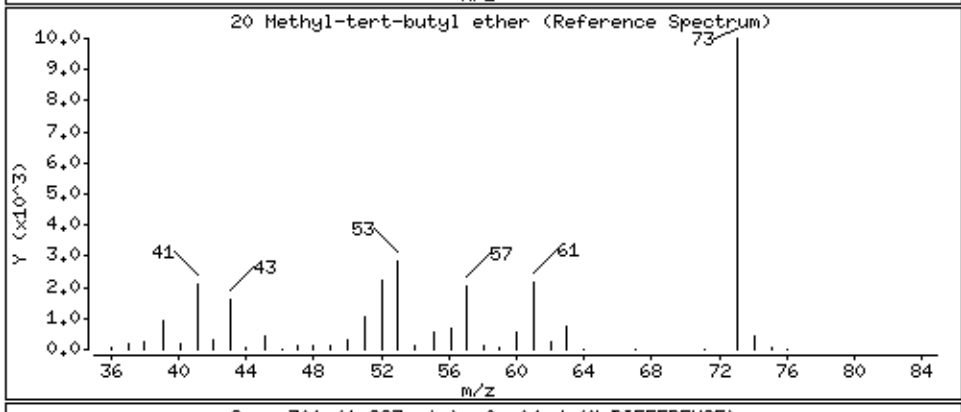
Concentration: 0.135 ppb

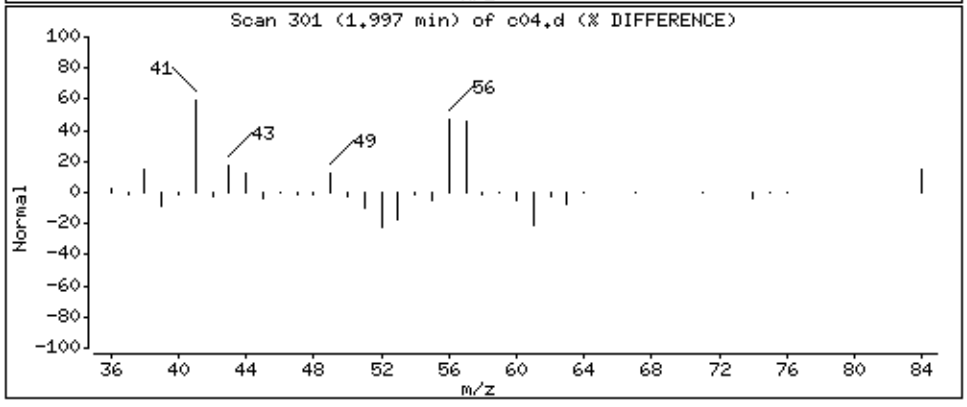












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

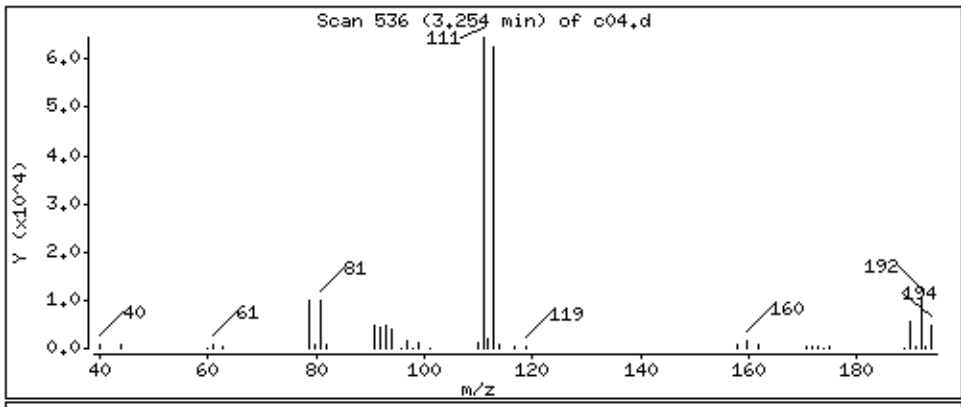
Operator: ala

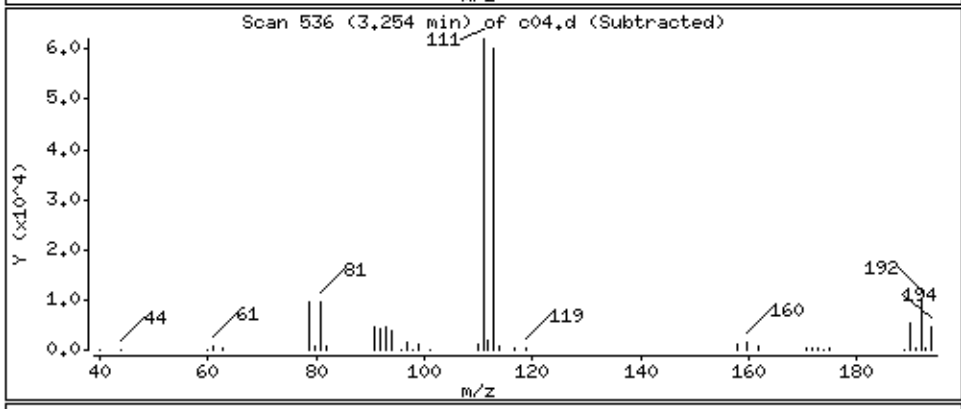
Column phase: DB-624

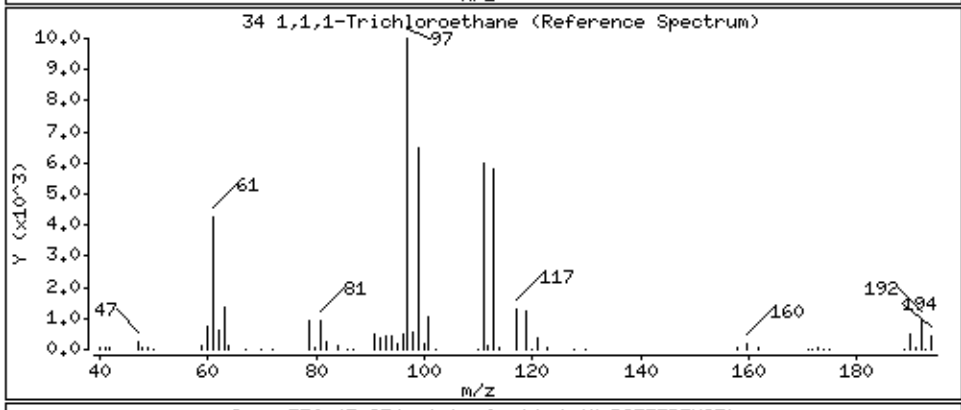
Column diameter: 0.18

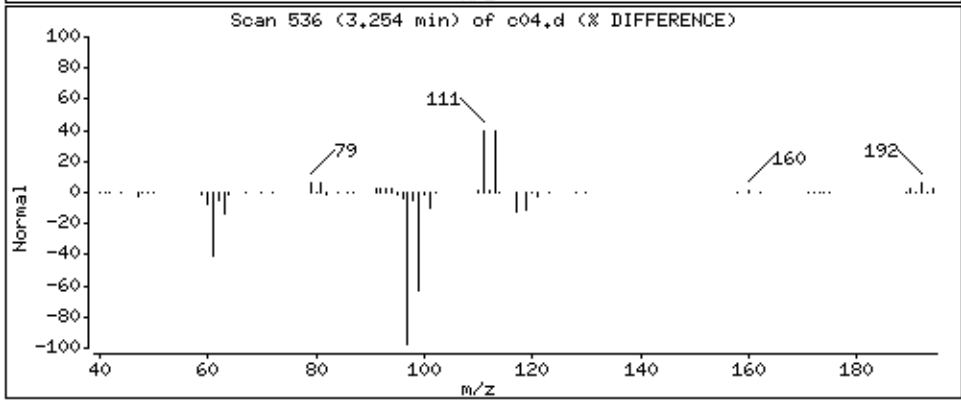
34 1,1,1-Trichloroethane

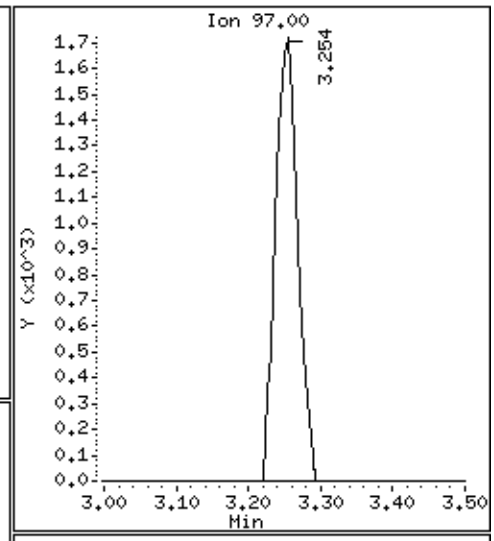
Concentration: 1.00 ppb

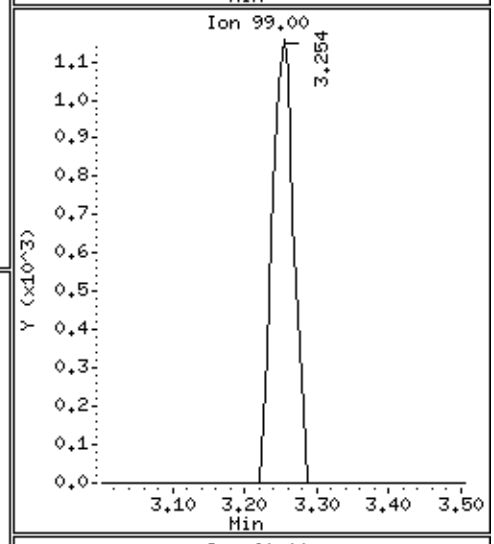


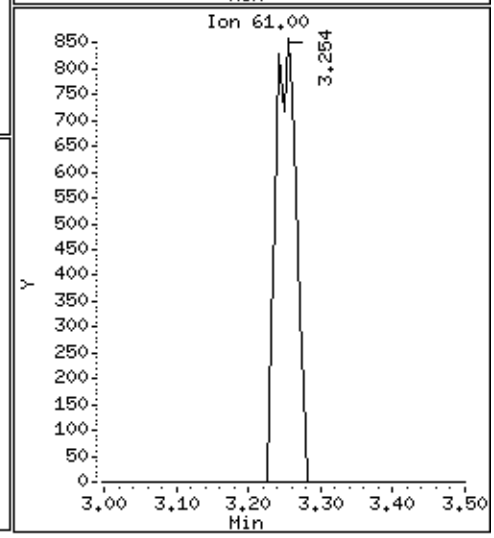












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

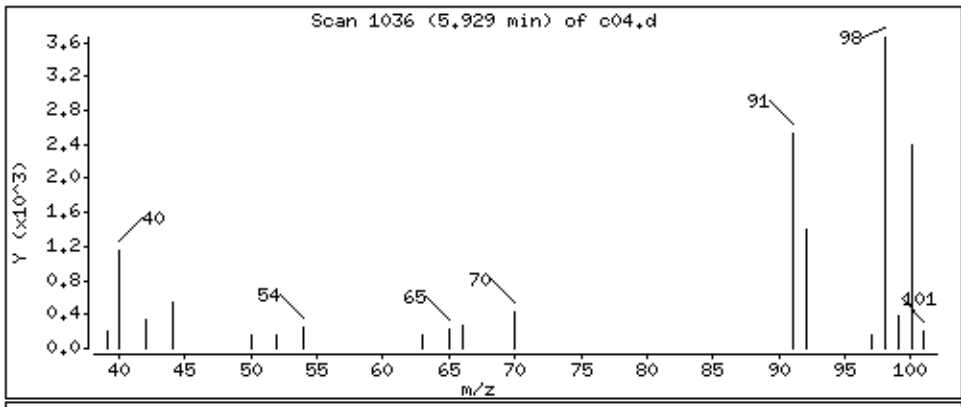
Operator: ala

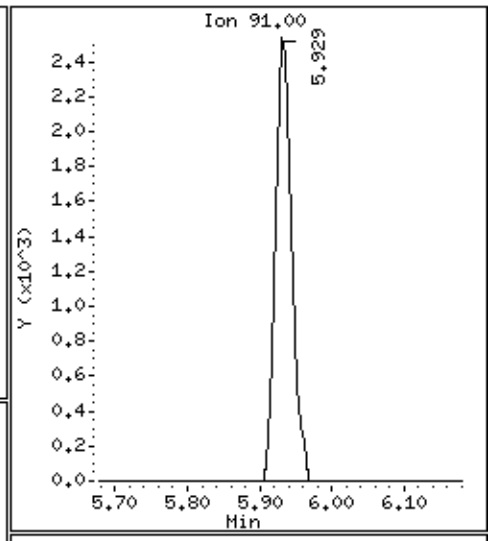
Column phase: DB-624

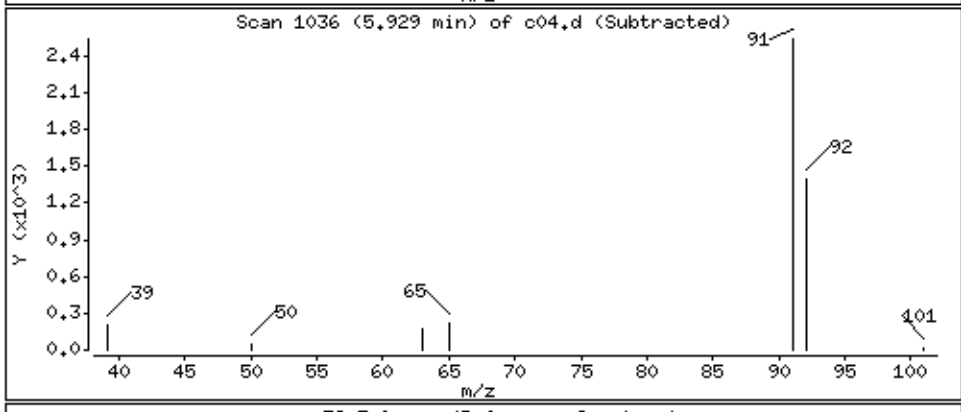
Column diameter: 0.18

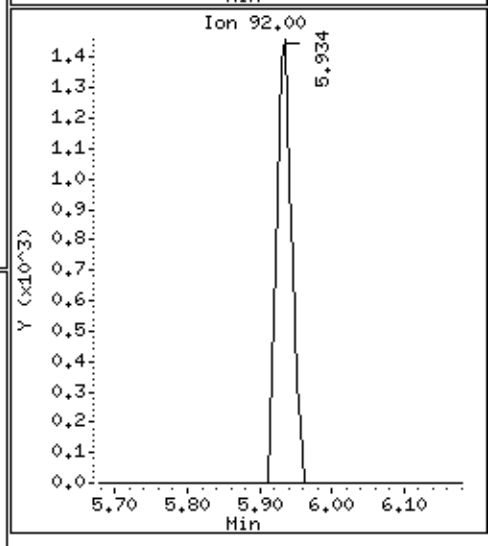
52 Toluene

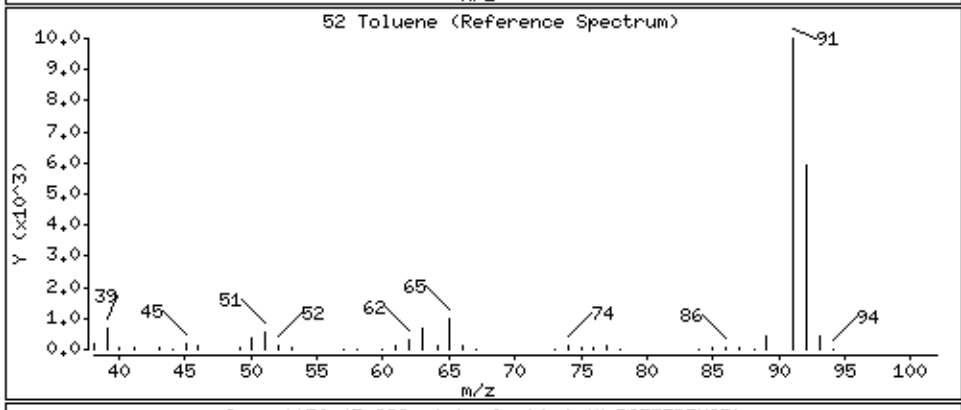
Concentration: 0.302 ppb

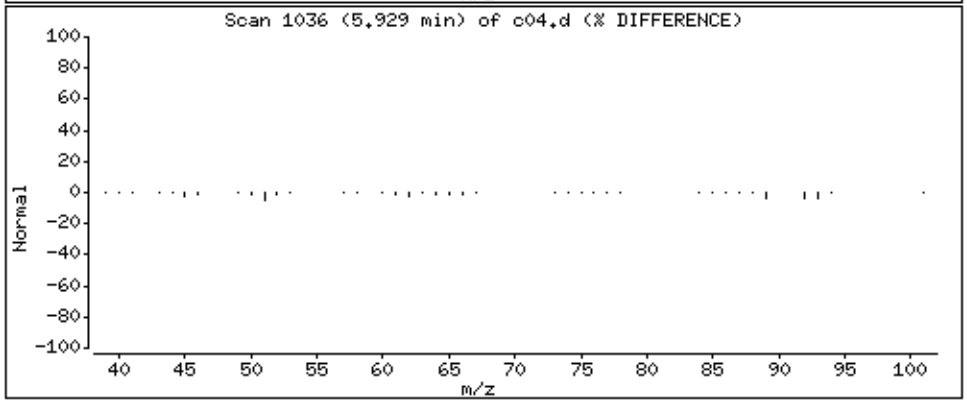












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

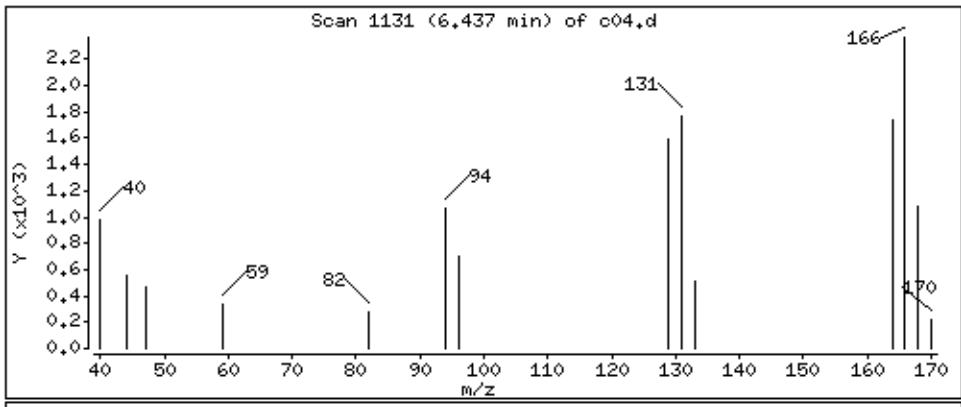
Operator: ala

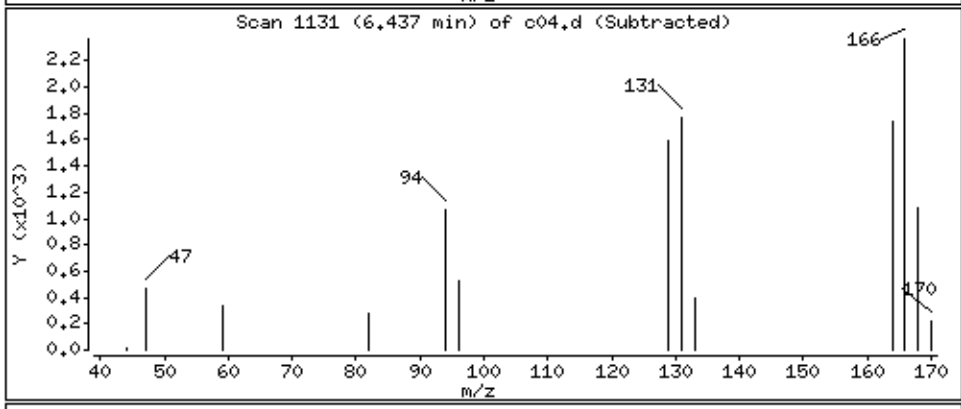
Column phase: DB-624

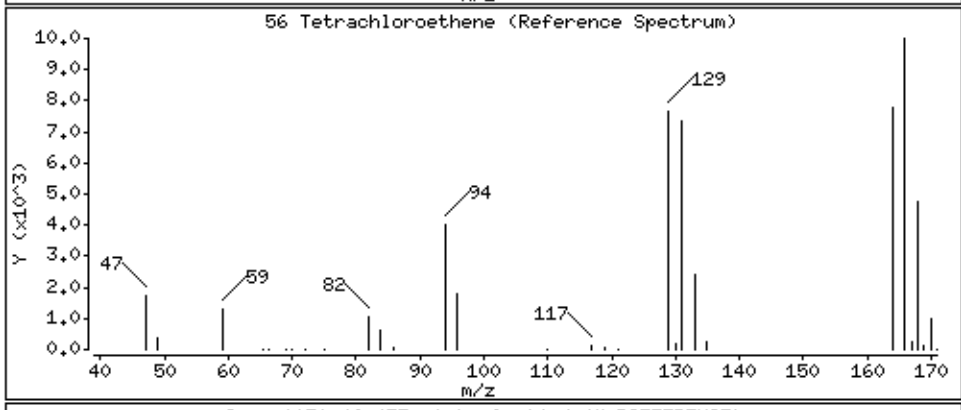
Column diameter: 0.18

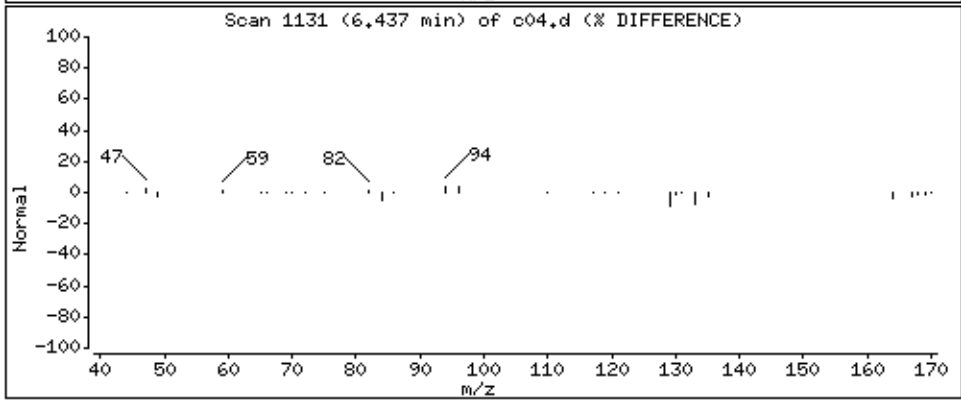
56 Tetrachloroethene

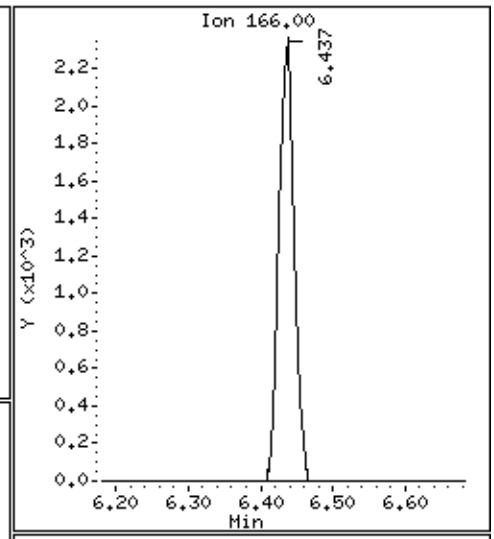
Concentration: 0.943 ppb

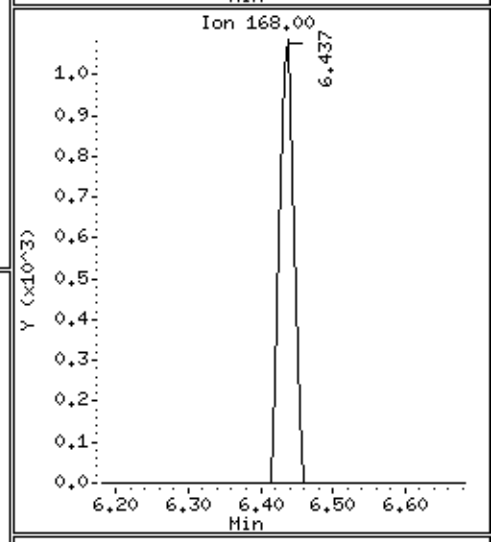


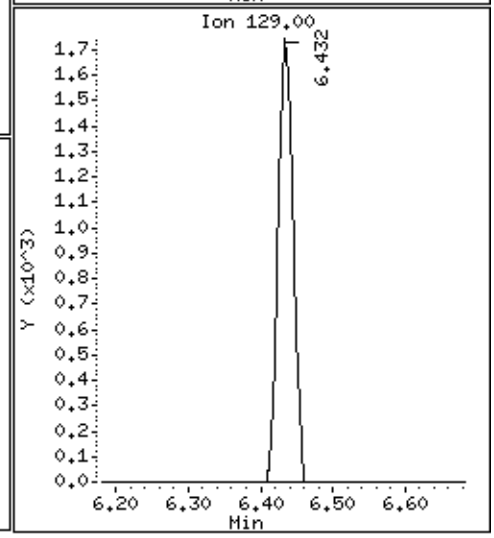












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

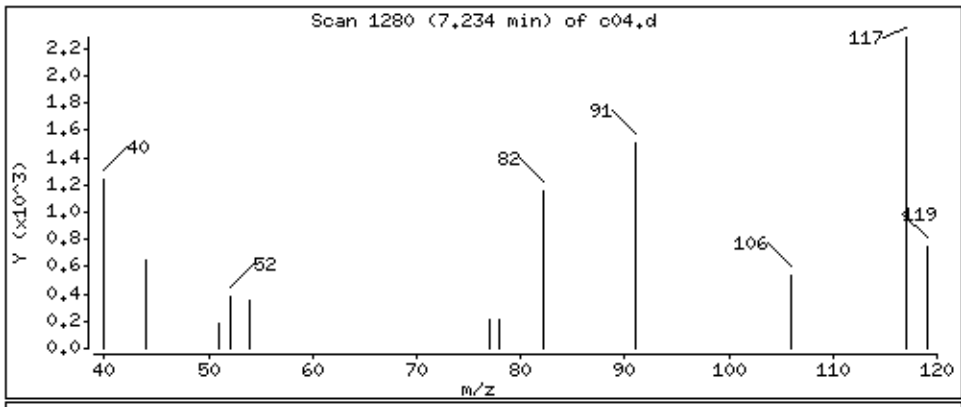
Operator: ala

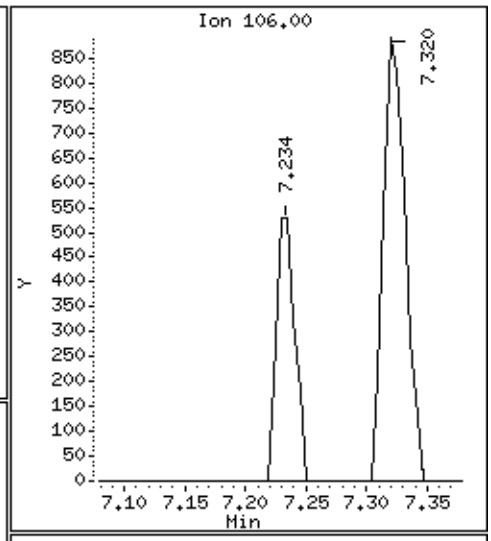
Column phase: DB-624

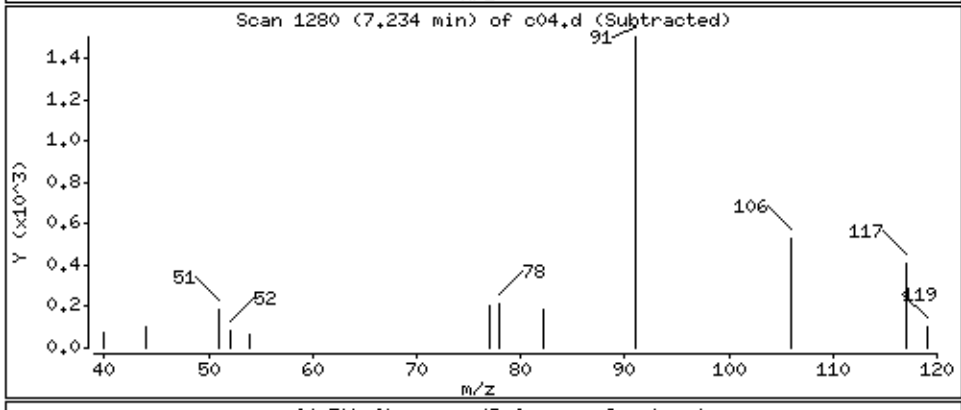
Column diameter: 0.18

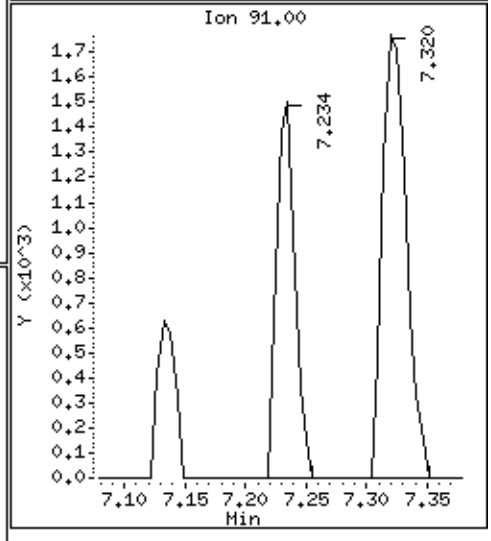
64 Ethylbenzene

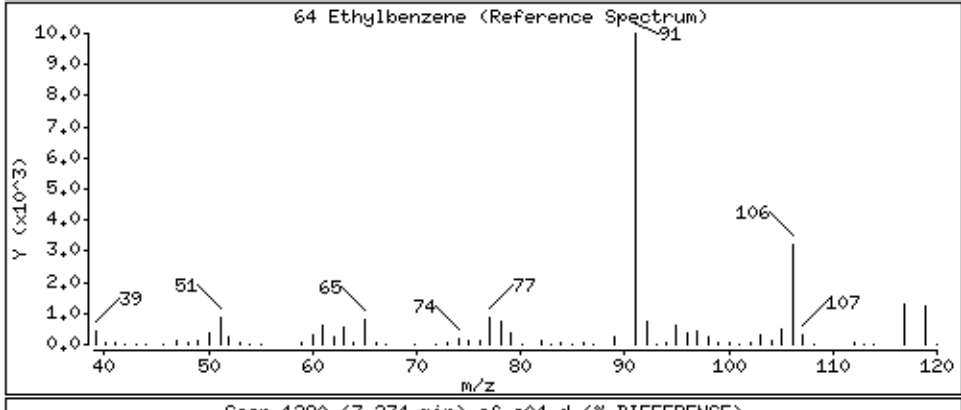
Concentration: 0.132 ppb

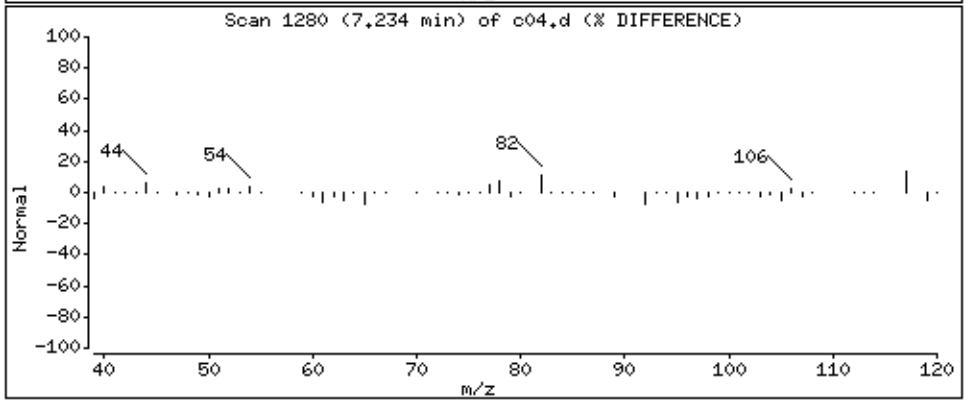












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

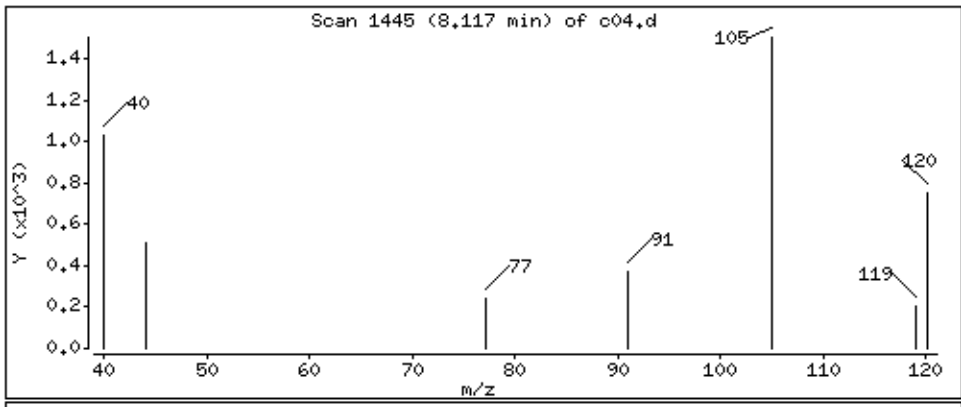
Operator: ala

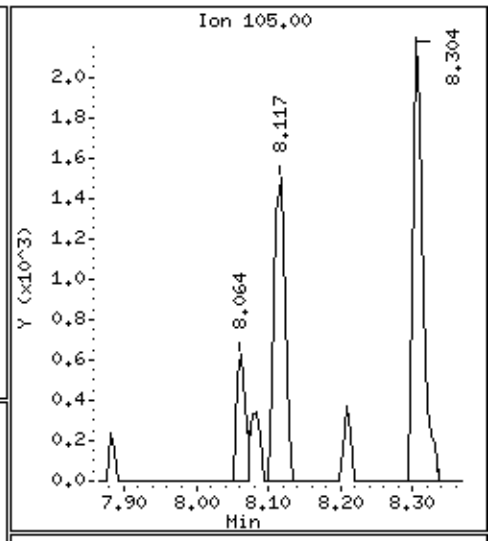
Column phase: DB-624

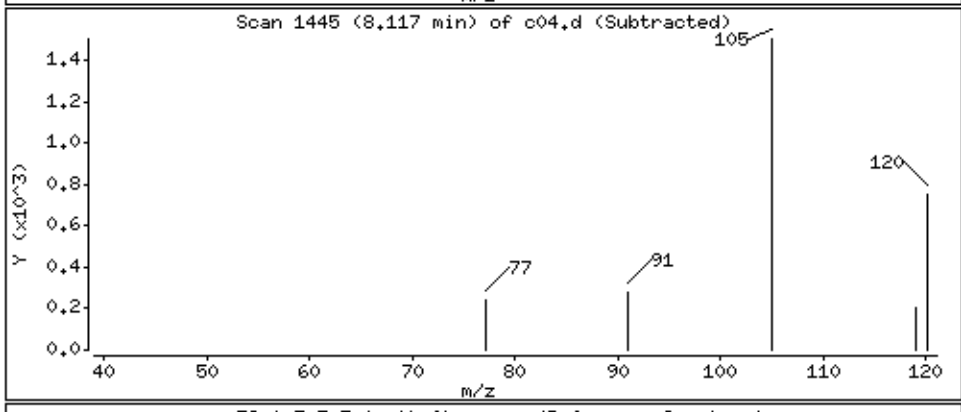
Column diameter: 0.18

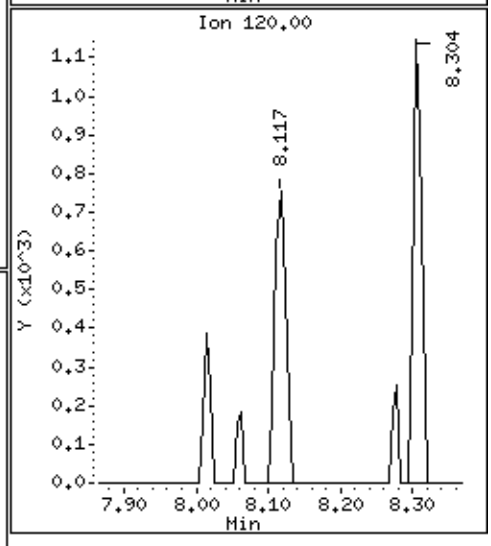
78 1,3,5-Trimethylbenzene

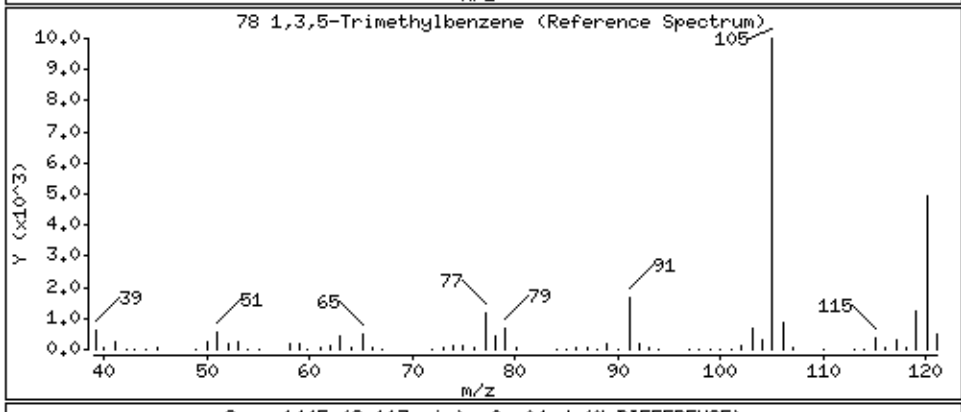
Concentration: 3.37 ppb

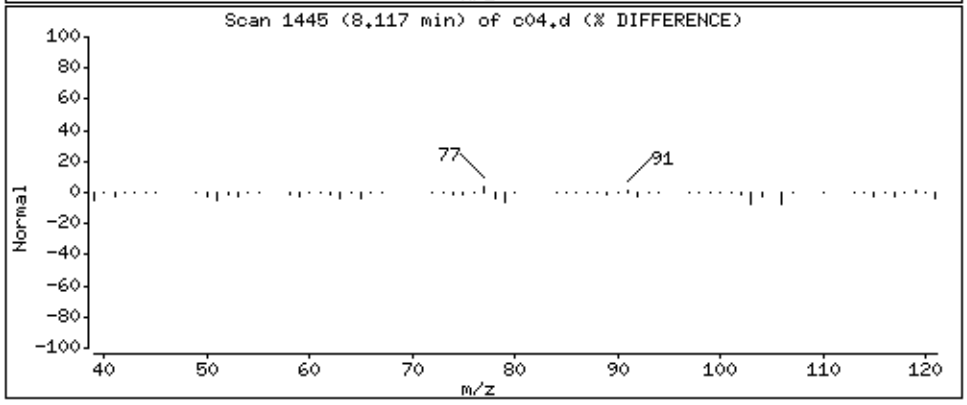












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Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

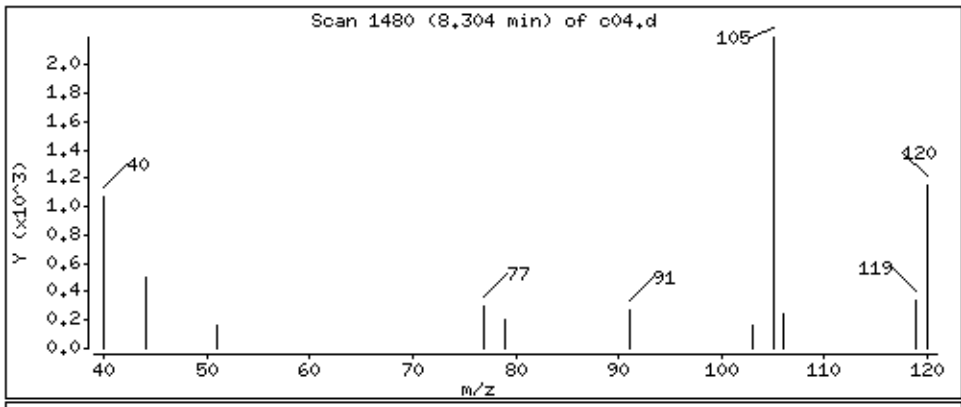
Operator: ala

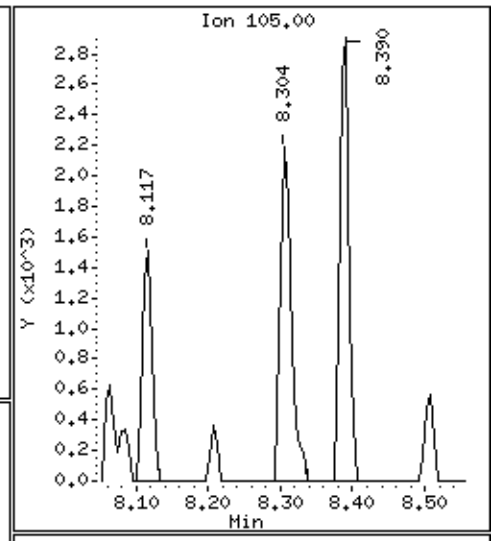
Column phase: DB-624

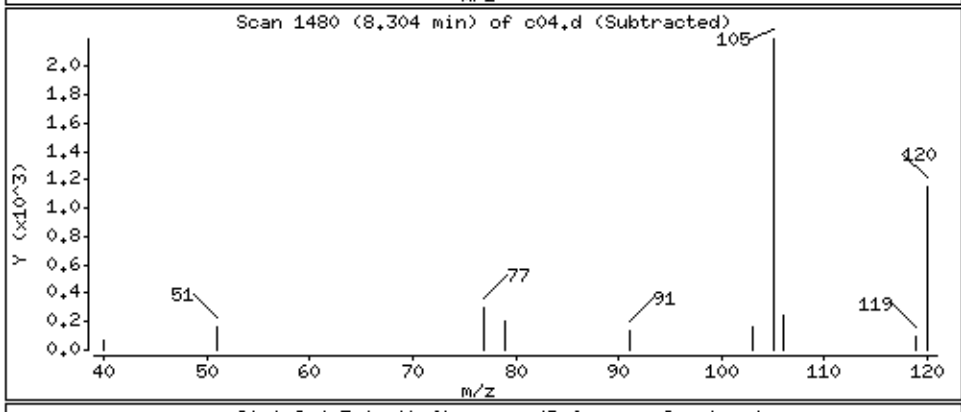
Column diameter: 0.18

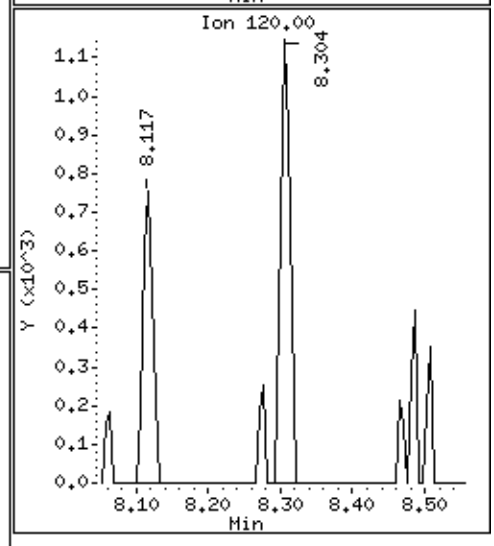
81 1,2,4-Trimethylbenzene

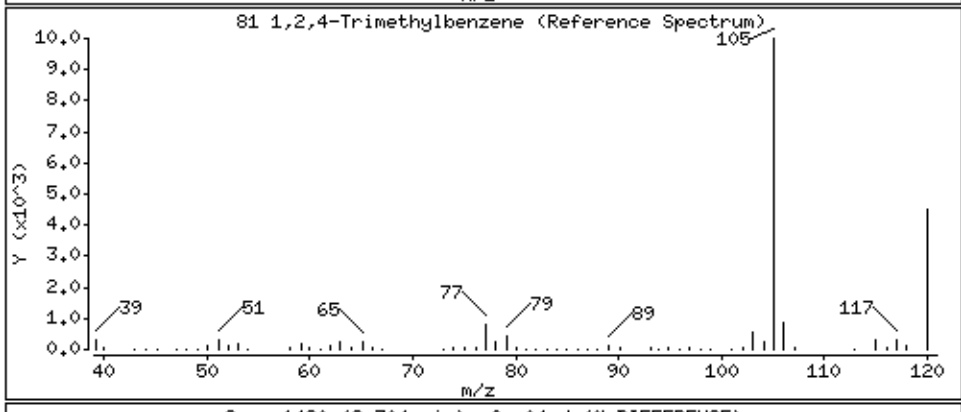
Concentration: 3.14 ppb

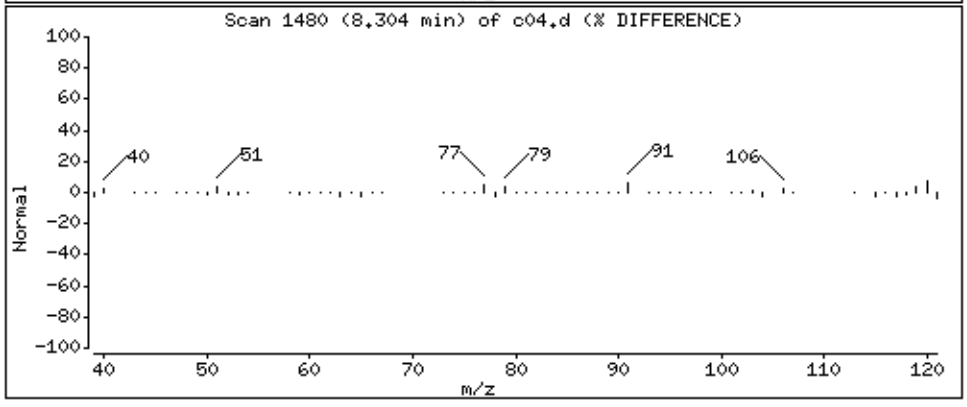












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

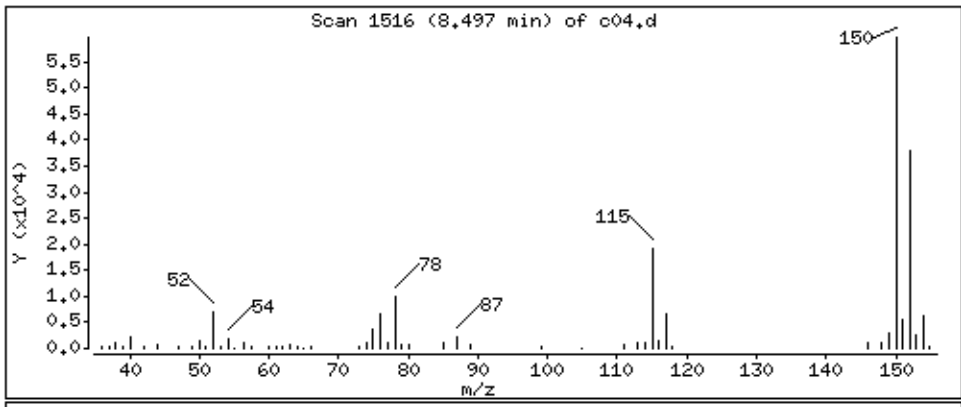
Operator: ala

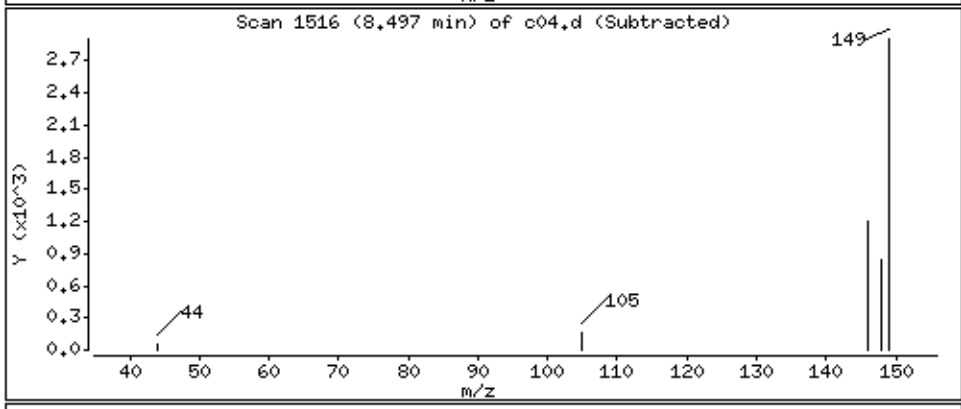
Column phase: DB-624

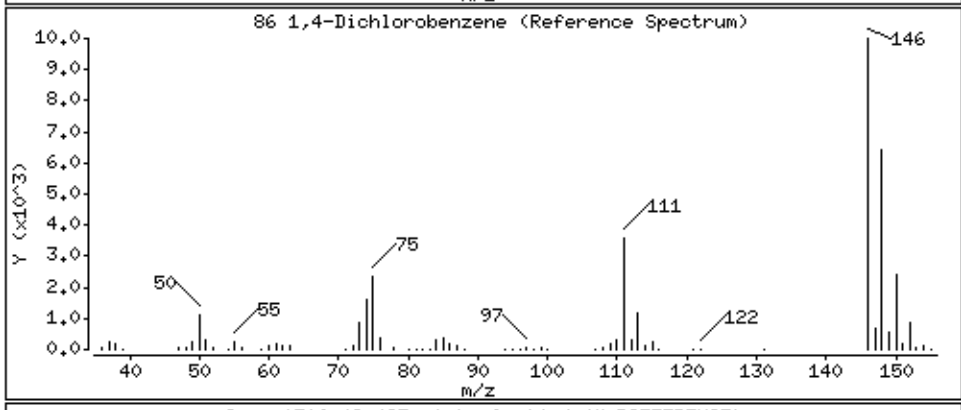
Column diameter: 0.18

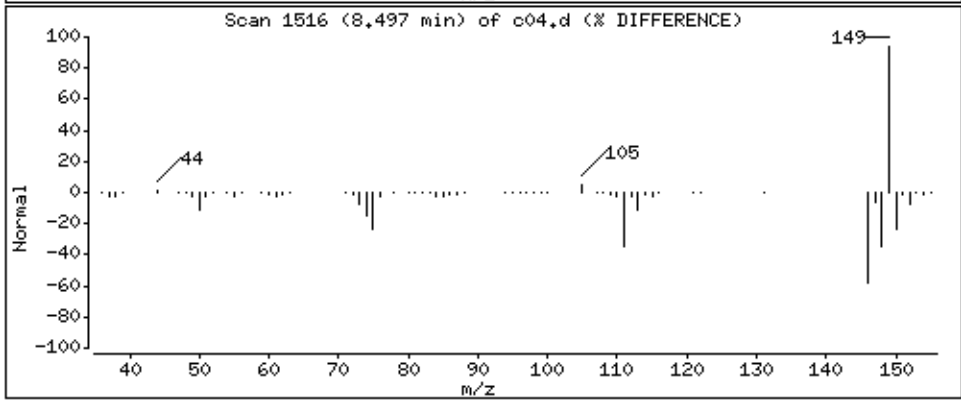
86 1,4-Dichlorobenzene

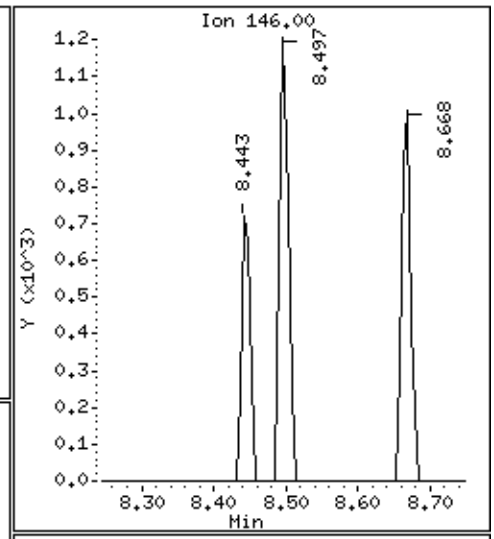
Concentration: 0.123 ppb

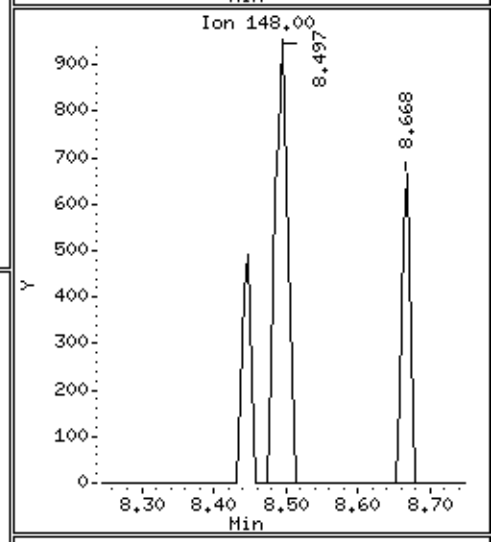


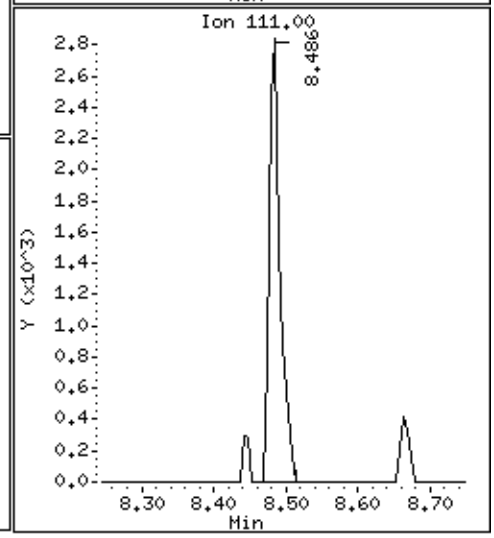












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c04.d

Date : 04-JUL-2014 05:12

Client ID: P-2 (18-20)

Instrument: 50mv6b.i

Sample Info: 5099765014

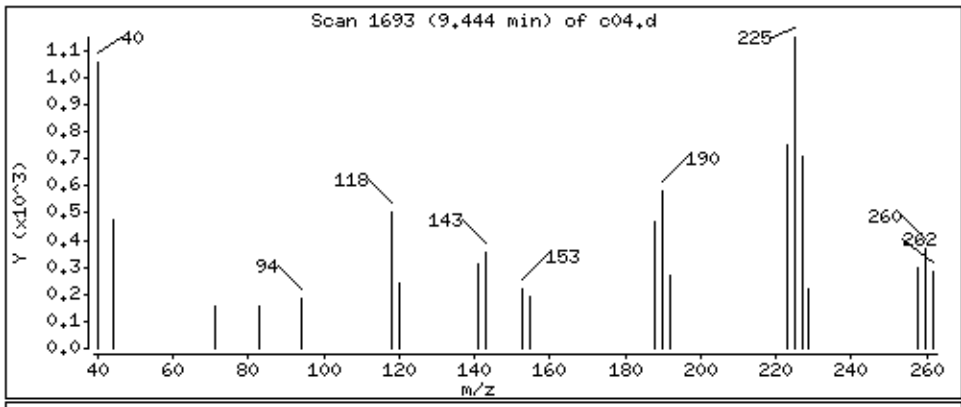
Operator: ala

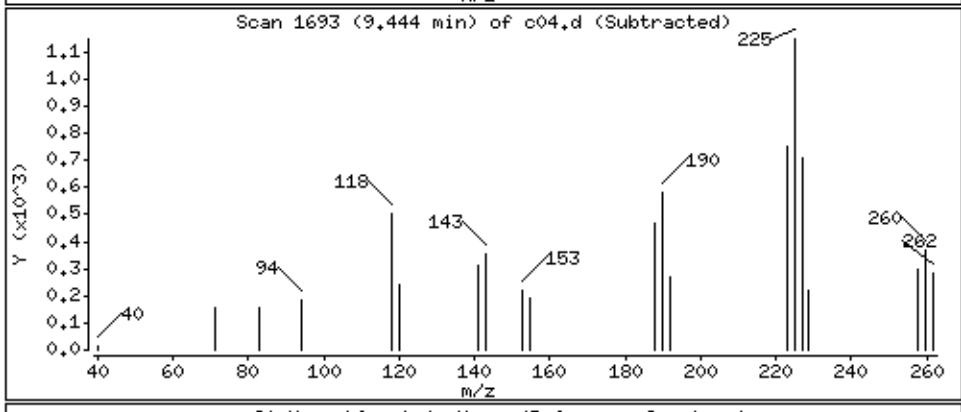
Column phase: DB-624

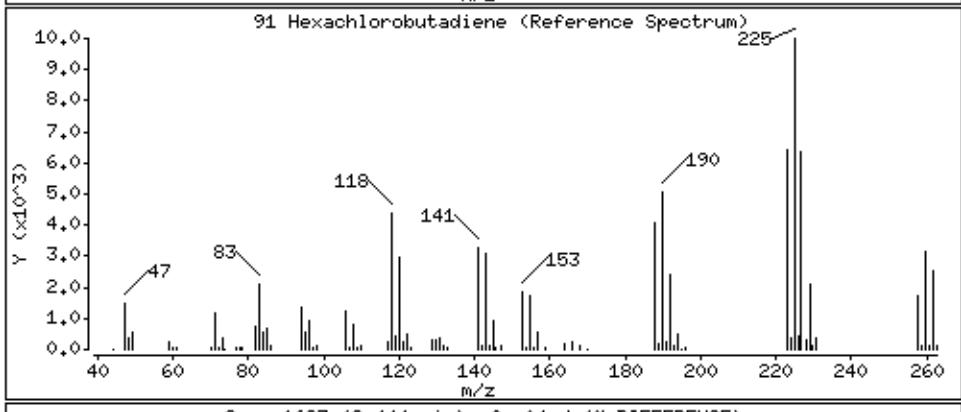
Column diameter: 0.18

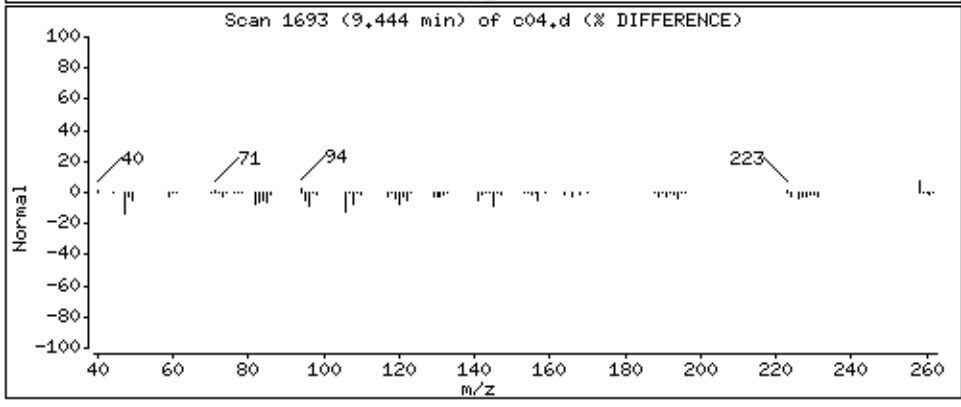
91 Hexachlorobutadiene

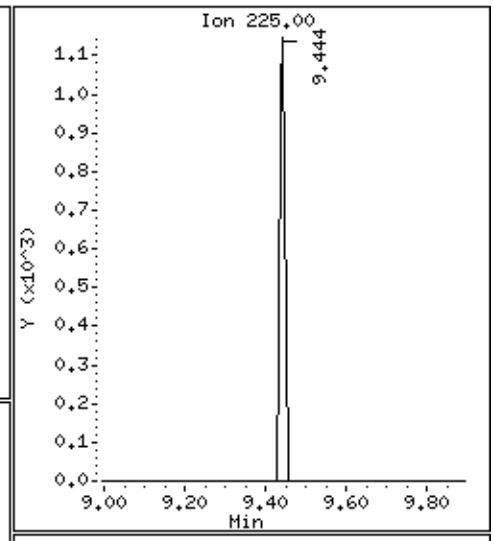
Concentration: 0.347 ppb

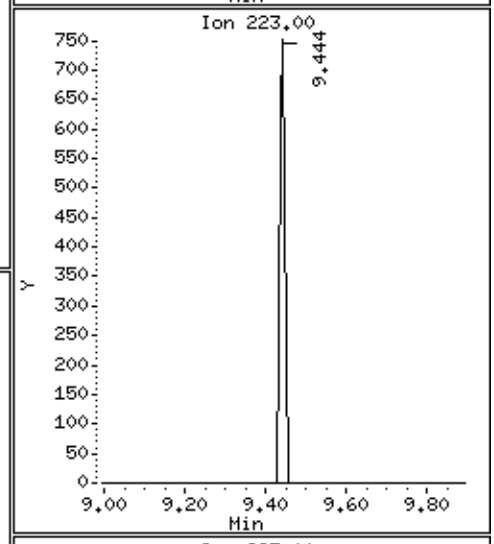


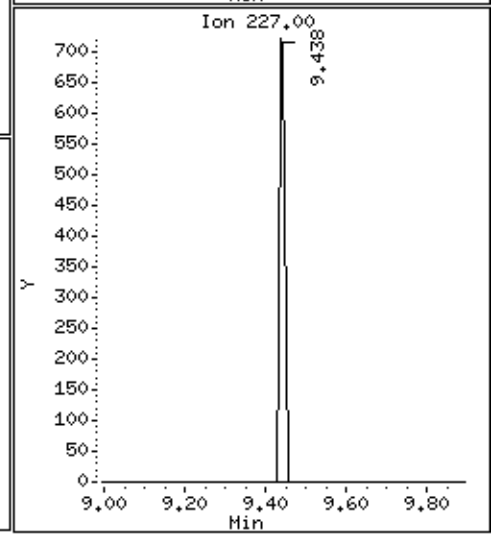












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/c04.d
Injection Date: 04-JUL-2014 05:12
Instrument: 50mv6b.i
Lab Sample ID: 5099765014
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

Subsurf-Dup

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 05:40 Lab Sample ID: 5099765015

Date Analyzed: 07/04/2014 05:40 Lab File ID: B070314CAL.B\C05.D

Initial wt/vol: 4.982 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 3.3%

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

SAMPLE NO.

Subsurf-Dup

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 05:40 Lab Sample ID: 5099765015

Date Analyzed: 07/04/2014 05:40 Lab File ID: B070314CAL.B\C05.D

Initial wt/vol: 4.982 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture: 3.3%

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d
Lab Smp Id: 5099765015 Client Smp ID: Subsurf-Dup
Inj Date : 04-JUL-2014 05:40
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765015
Misc Info : 66496
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

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

Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	3.284	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

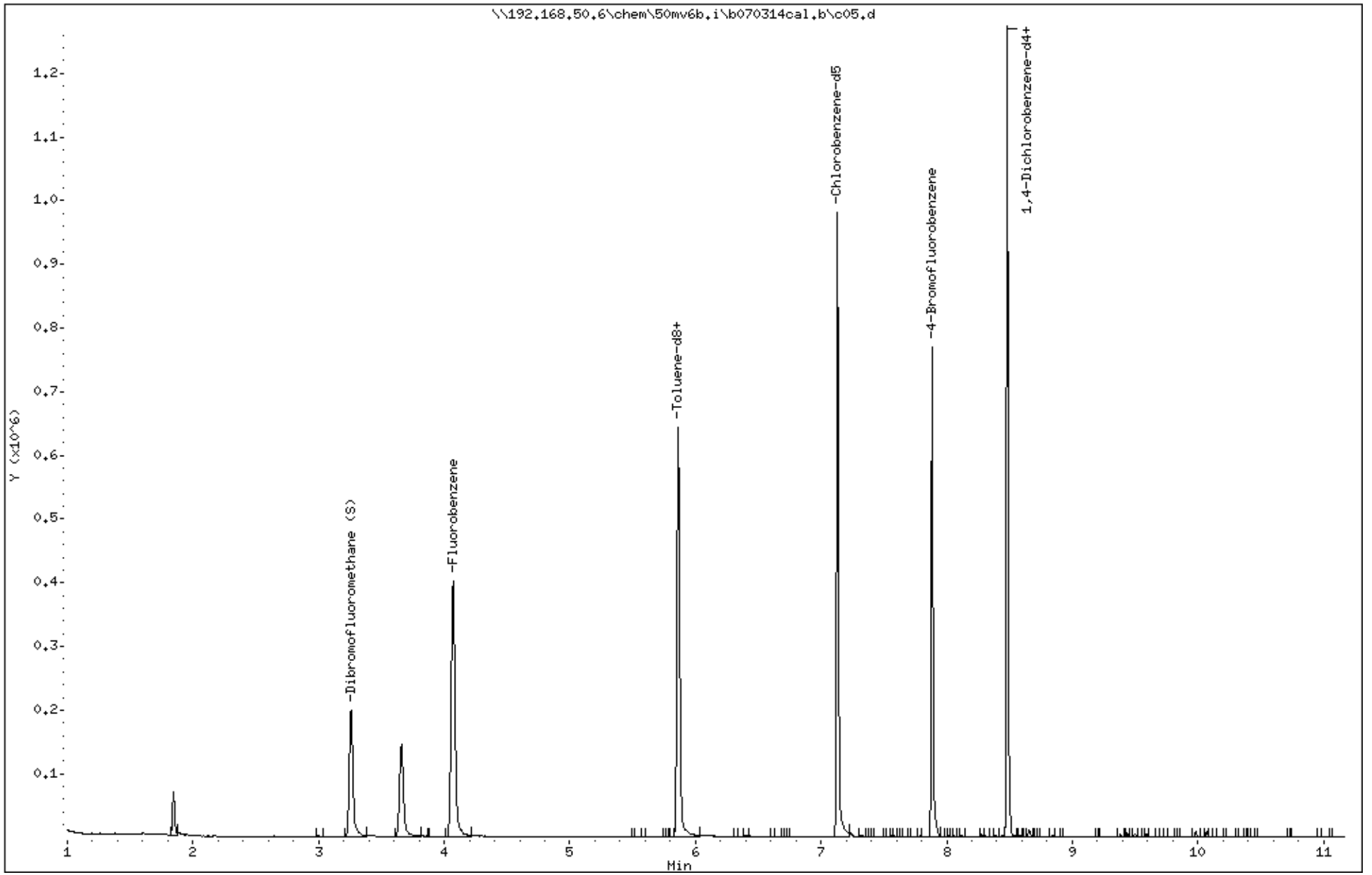
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.847	1.841	(0.454)	25844	0.69272	0.716
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.800)	135282	56.2972	58.2
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	463997	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	408566	45.9260	47.5
	52 Toluene	91	5.929	5.928	(0.831)	1470	0.10769	0.111
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	377496	50.0000	
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	155872	51.6372	53.4
	81 1,2,4-Trimethylbenzene	105	8.309	8.304	(0.979)	1090	2.71238	2.80
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	206869	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	590	0.07250	0.0750(Q)

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d
Date : 04-JUL-2014 05:40
Client ID: Subsurf-Dup
Sample Info: 5099765015

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d

Date : 04-JUL-2014 05:40

Client ID: Subsurf-Dup

Instrument: 50mv6b.i

Sample Info: 5099765015

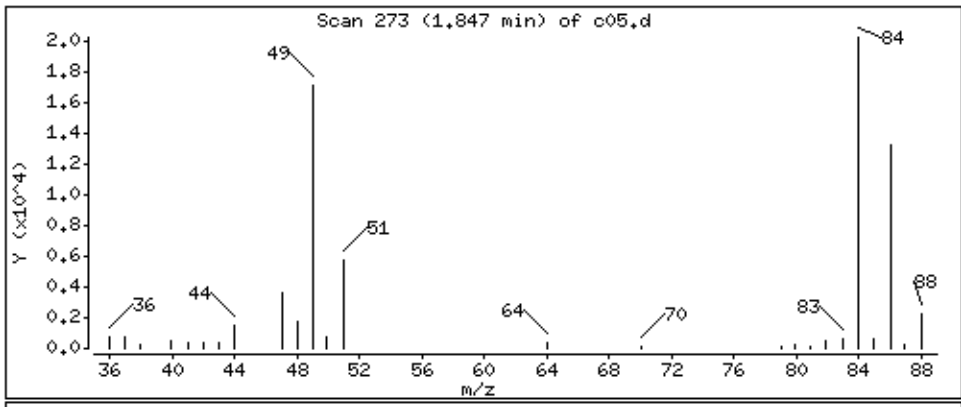
Operator: ala

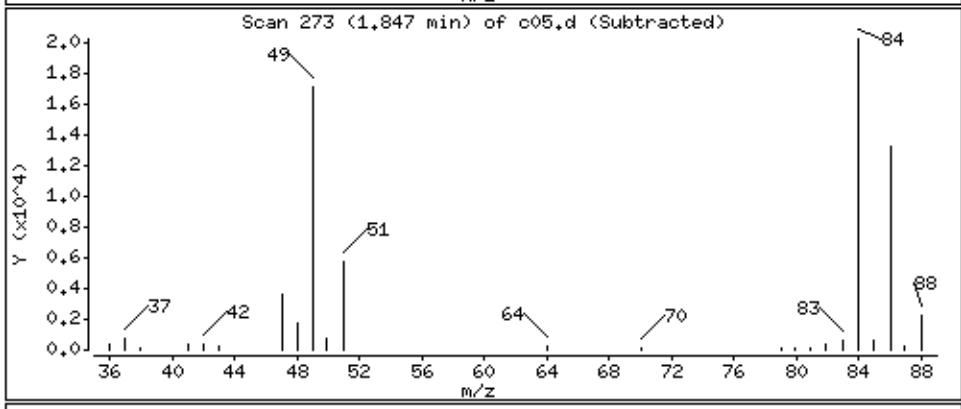
Column phase: DB-624

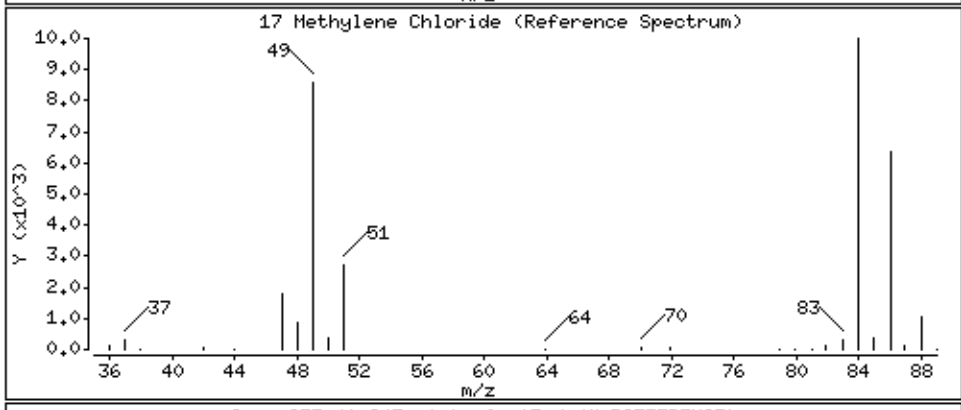
Column diameter: 0.18

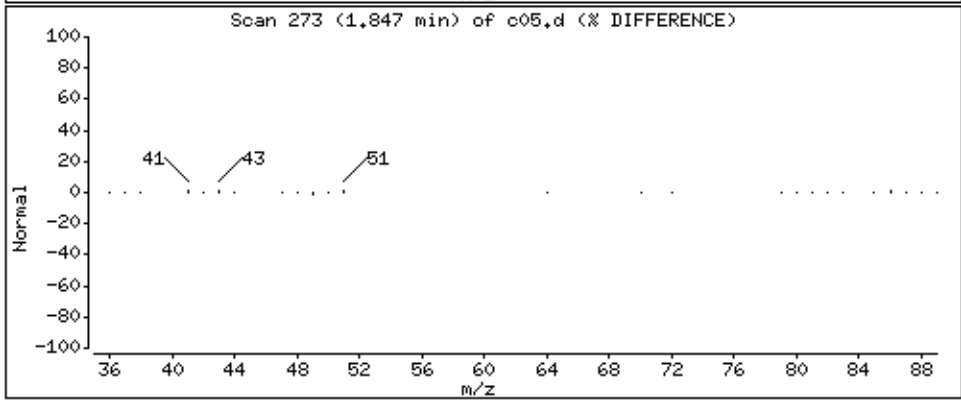
17 Methylene Chloride

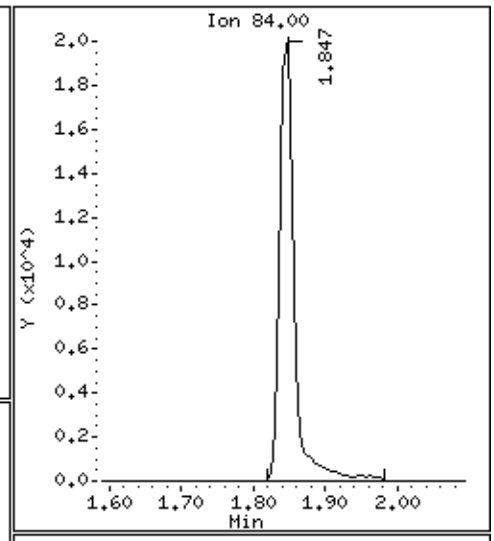
Concentration: 0.716 ppb

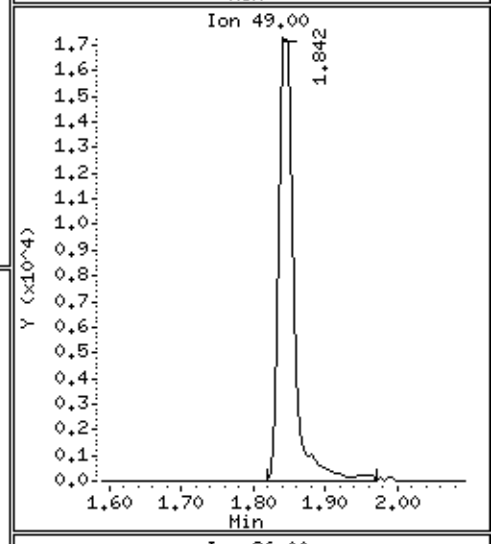


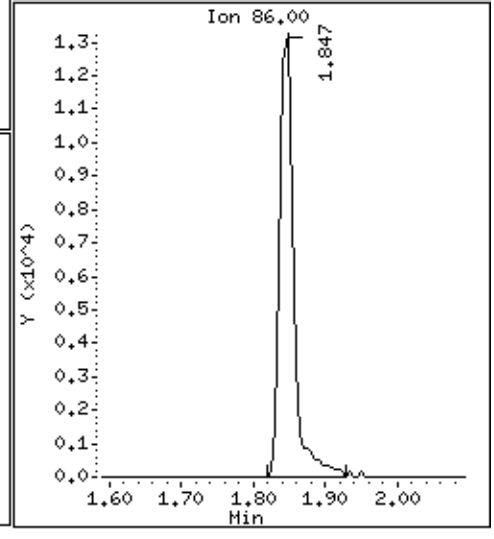












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d

Date : 04-JUL-2014 05:40

Client ID: Subsurf-Dup

Instrument: 50mv6b.i

Sample Info: 5099765015

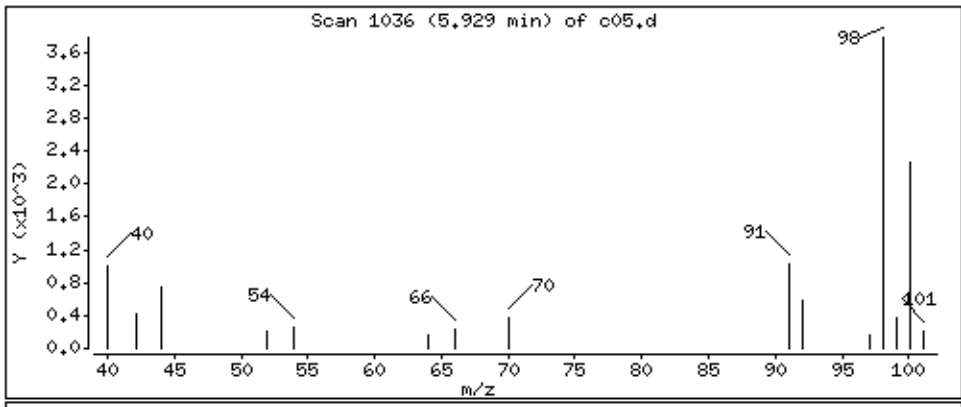
Operator: ala

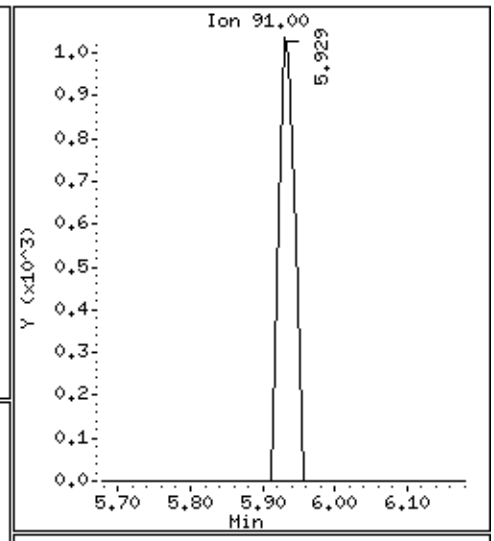
Column phase: DB-624

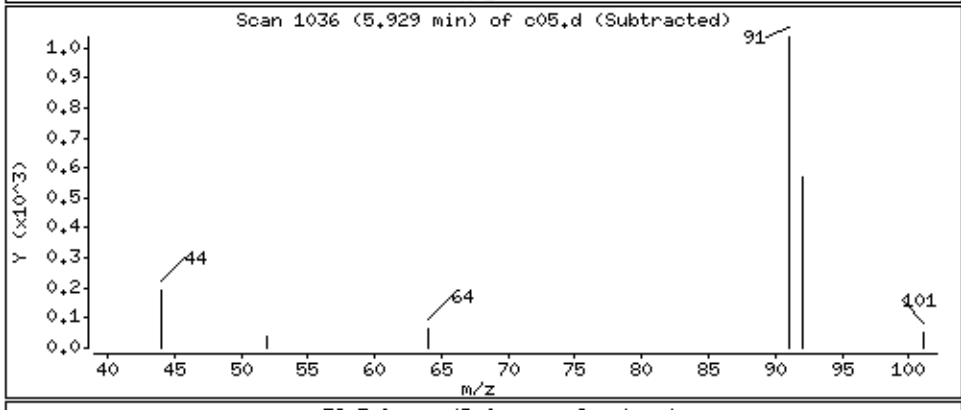
Column diameter: 0.18

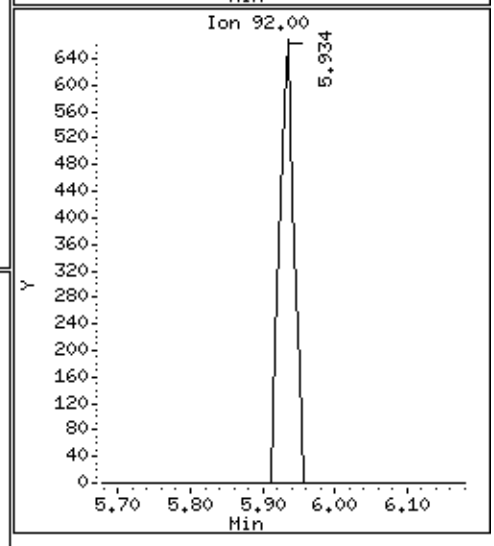
52 Toluene

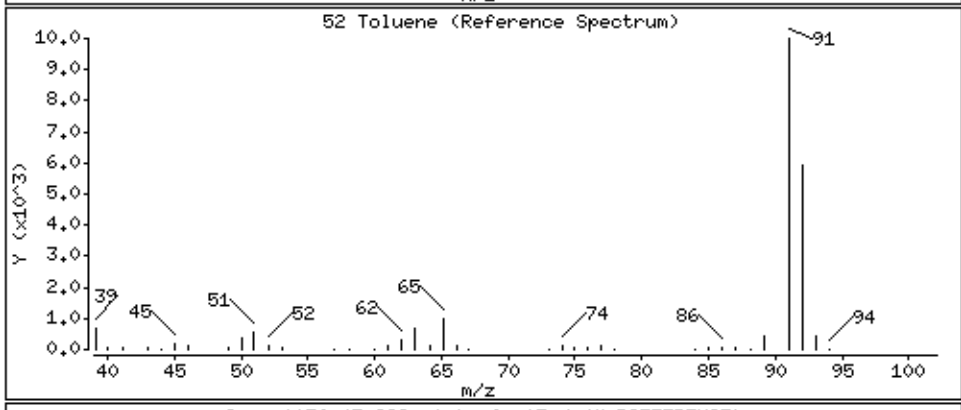
Concentration: 0.111 ppb

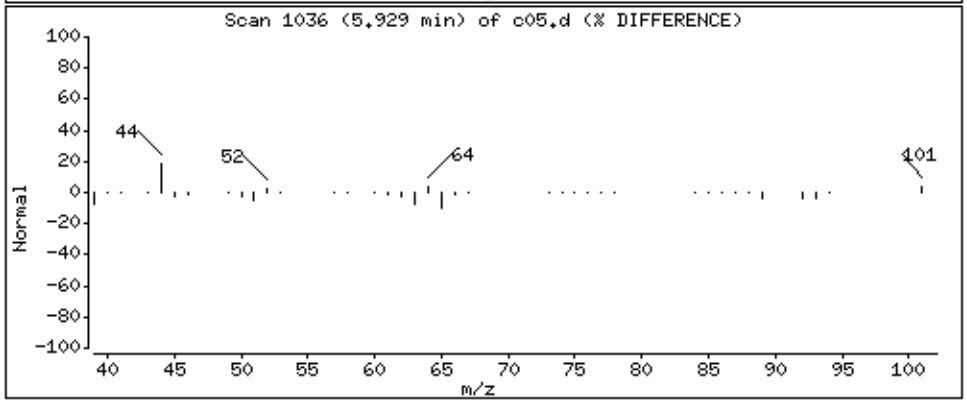












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d

Date : 04-JUL-2014 05:40

Client ID: Subsurf-Dup

Instrument: 50mv6b.i

Sample Info: 5099765015

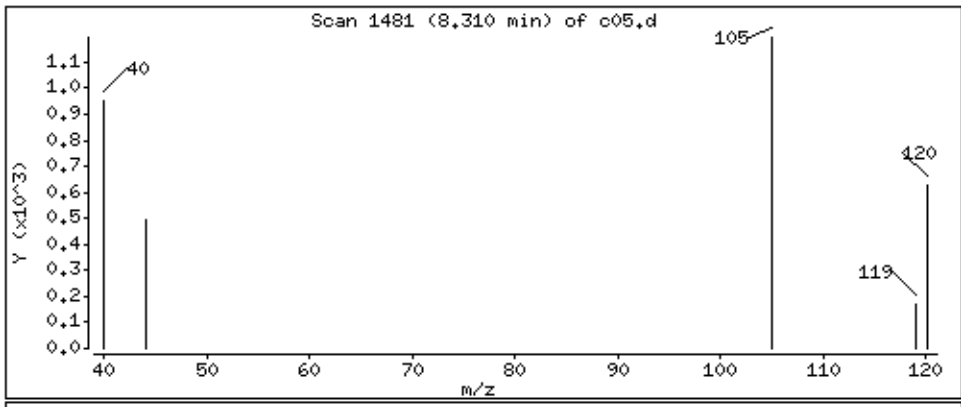
Operator: ala

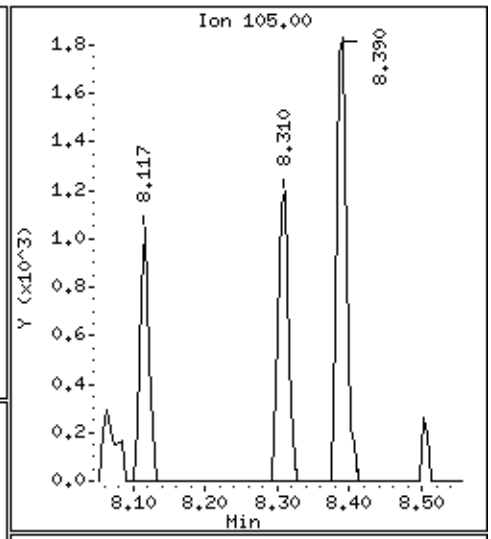
Column phase: DB-624

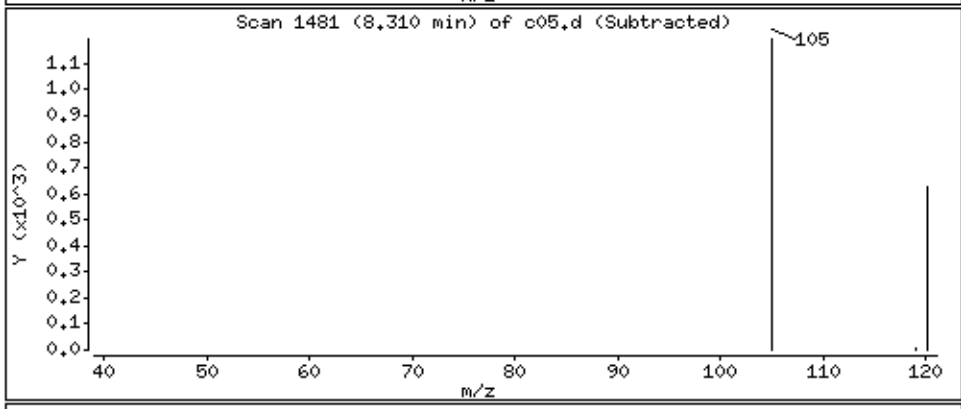
Column diameter: 0.18

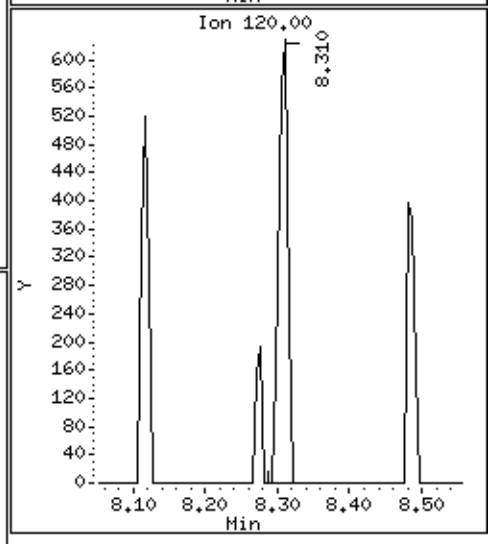
81 1,2,4-Trimethylbenzene

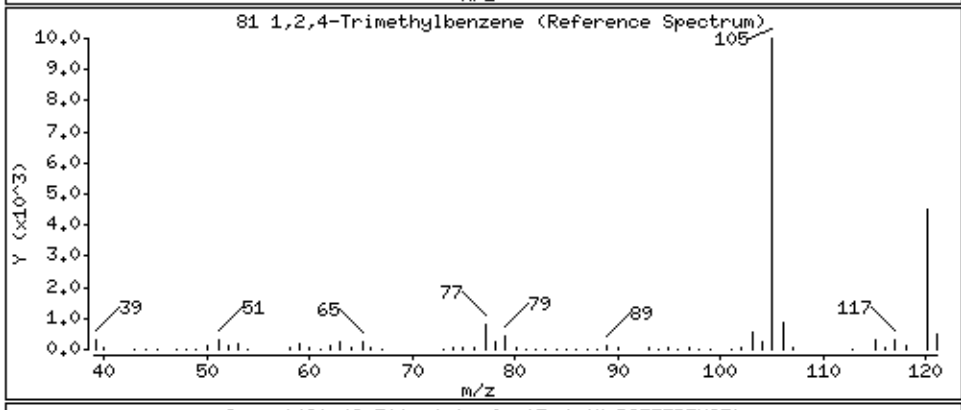
Concentration: 2.80 ppb

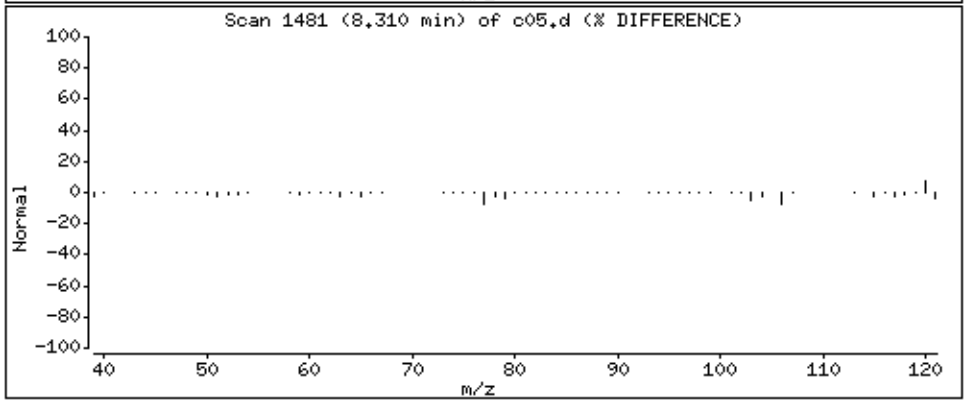












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c05.d

Date : 04-JUL-2014 05:40

Client ID: Subsurf-Dup

Instrument: 50mv6b.i

Sample Info: 5099765015

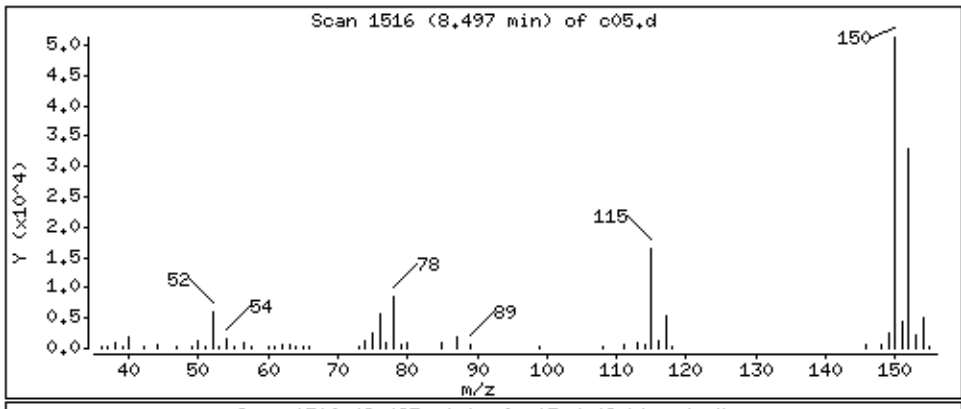
Operator: ala

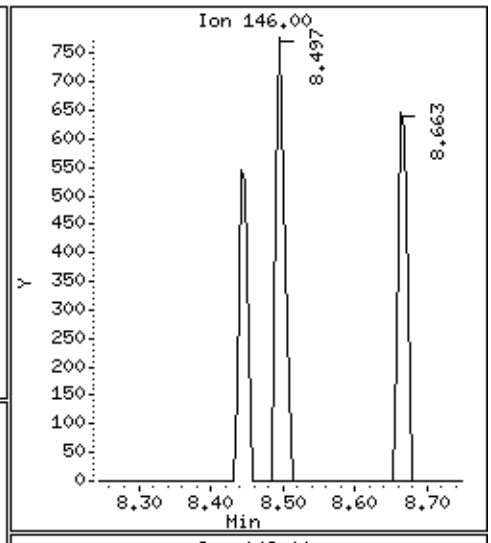
Column phase: DB-624

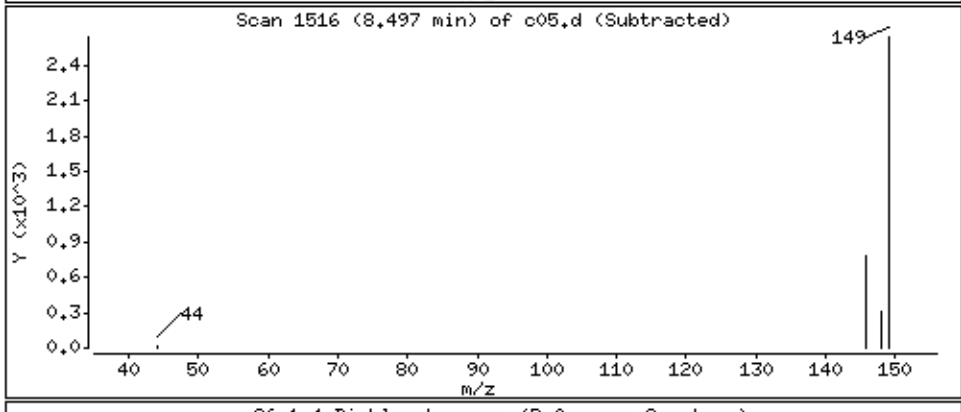
Column diameter: 0.18

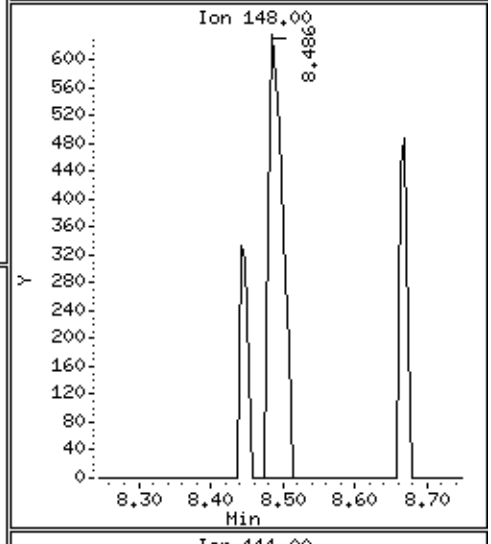
86 1,4-Dichlorobenzene

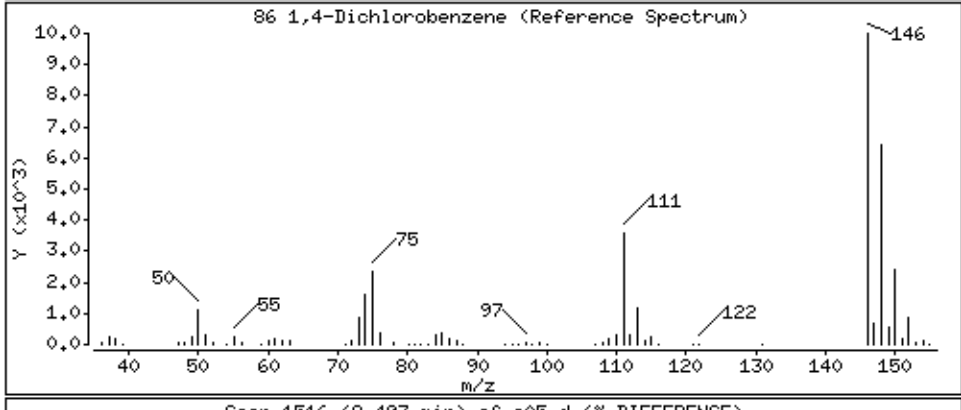
Concentration: 0.0750 ppb

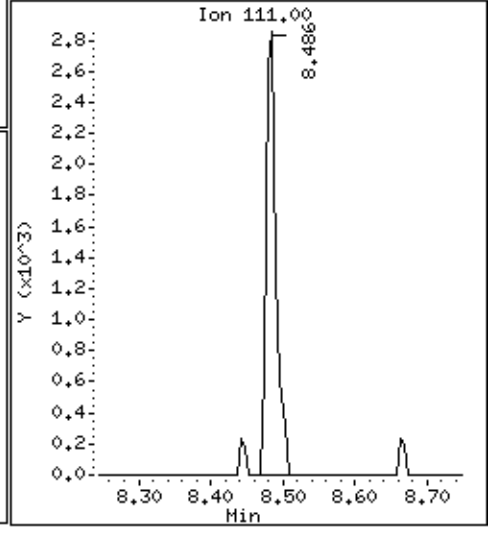


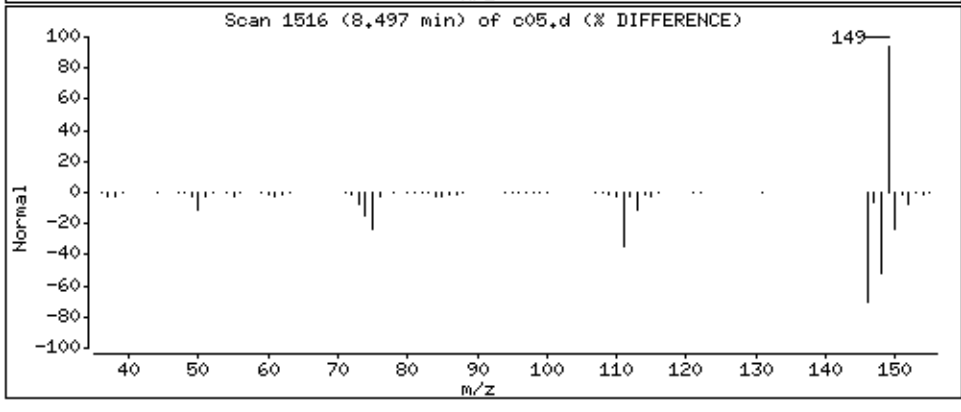












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/c05.d
Injection Date: 04-JUL-2014 05:40
Instrument: 50mv6b.i
Lab Sample ID: 5099765015
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

Trip Blank-2

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana | Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 | Matrix: Solid | SDG No.: 5099765

Date Extracted: 07/04/2014 06:07 | Lab Sample ID: 5099765016

Date Analyzed: 07/04/2014 06:07 | Lab File ID: B070314CAL.B\C06.D

Initial wt/vol: 5 g | Final wt/vol: 5 mL | Dilution: 1 | Instrument: 50MV6B | 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

SAMPLE NO.

Trip Blank-2

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 06:07 Lab Sample ID: 5099765016

Date Analyzed: 07/04/2014 06:07 Lab File ID: B070314CAL.B\C06.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c06.d
Lab Smp Id: 5099765016 Client Smp ID: Trip Blank-2
Inj Date : 04-JUL-2014 06:07
Operator : ala Inst ID: 50mv6b.i
Smp Info : 5099765016
Misc Info : 66496
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 19:40 Cal File: a06.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 50-VOA-ALA

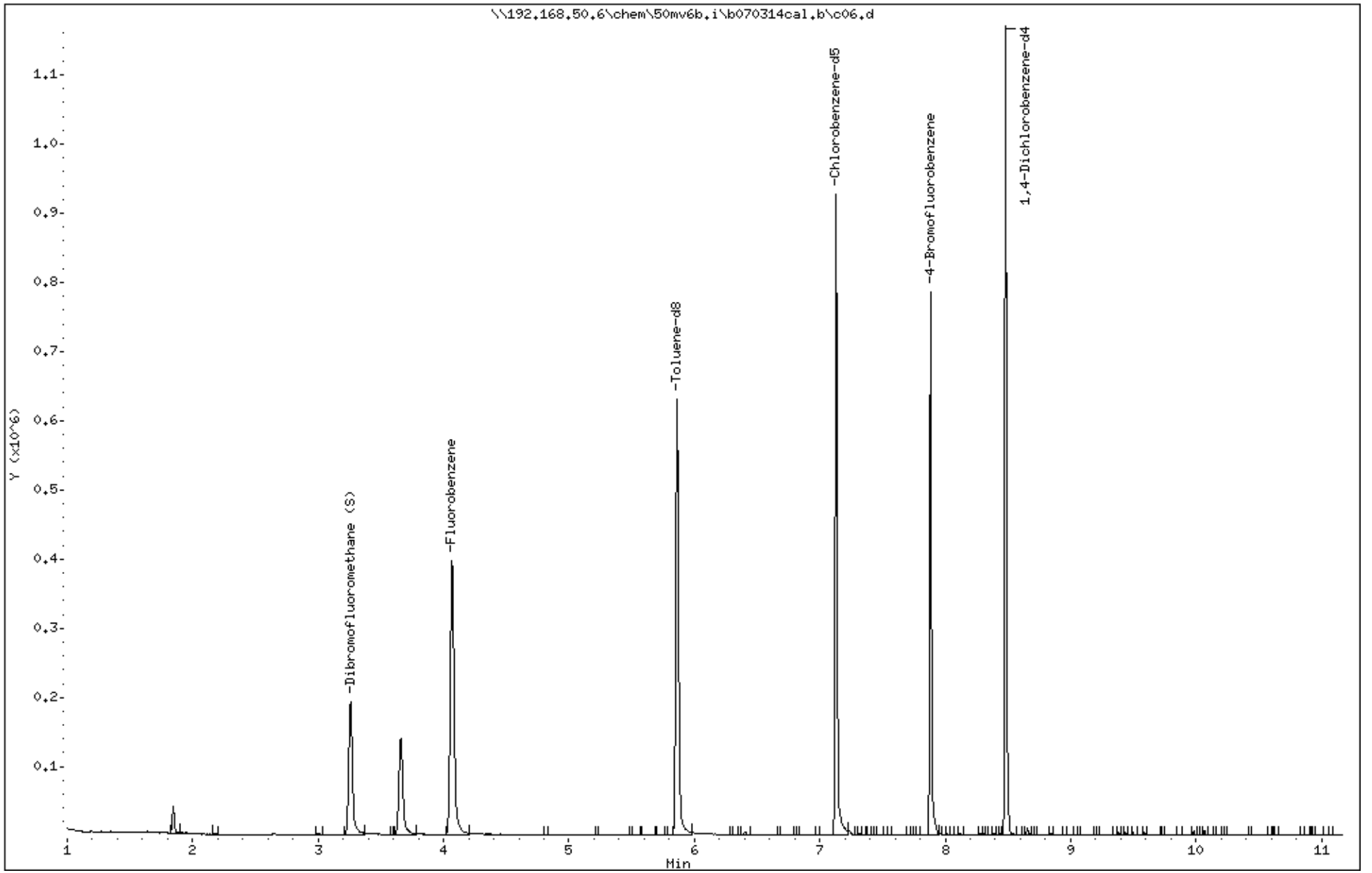
Concentration Formula: Amt * DF * Uf/(Ws*(100-M)/100)) * CpndVariable

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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
$ 33 Dibromofluoromethane (S)	113	3.259	3.254	(0.801)	132256	56.5060	56.5
* 41 Fluorobenzene	96	4.067	4.067	(1.000)	451942	50.0000	
$ 51 Toluene-d8	98	5.865	5.859	(0.822)	402359	46.3210	46.3
* 61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	368591	50.0000	
$ 72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	155332	52.7015	52.7
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	202739	50.0000	

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c06.d
Date : 04-JUL-2014 06:07
Client ID: Trip Blank-2
Sample Info: 5099765016

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/c06.d
Injection Date: 04-JUL-2014 06:07
Instrument: 50mv6b.i
Lab Sample ID: 5099765016
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a04.d
Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
Inj Date : 02-JUL-2014 17:34
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal1,71816:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 5 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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	4587	1.00000	1.01(T)
2	Chloromethane	50	1.001	1.001	(0.246)	3380	1.00000	1.26
3	Vinyl Chloride	62	1.050	1.050	(0.258)	3301	1.00000	0.978
4	Bromomethane	94	1.194	1.189	(0.293)	4151	1.00000	1.69(M)
5	Chloroethane	64	1.237	1.232	(0.304)	1653	1.00000	1.16(M)
6	Trichlorofluoromethane	101	1.344	1.339	(0.330)	5719	1.00000	1.07
8	Diethyl ether	74	1.462	1.462	(0.359)	1491	1.00000	0.965
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	4421	1.00000	1.09
9	Acrolein	56	1.536	1.536	(0.377)	5118	20.0000	20.6
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	3713	1.00000	1.01
14	Carbon Disulfide	76	1.718	1.713	(0.422)	17258	2.00000	2.18
15	allyl chloride	41	1.777	1.772	(0.436)	5806	2.00000	2.20
18	tert-Butyl Alcohol	59	1.889	1.895	(0.464)	725	2.00000	2.83
20	Methyl-tert-butyl ether	73	1.996	2.002	(0.490)	14592	2.00000	1.88
21	1,2-Dichloroethene (trans)	96	2.013	2.013	(0.494)	4818	1.00000	1.09
23	1,1-Dichloroethane	63	2.301	2.307	(0.565)	7548	1.00000	1.11
147	chloroprene	53	2.350	2.355	(0.577)	4202	1.00000	0.897
26	1,2-Dichloroethene (cis)	96	2.761	2.762	(0.678)	5235	1.00000	1.08
27	2,2-Dichloropropane	77	2.761	2.767	(0.678)	2764	1.00000	0.864
144	Methacrylonitrile	41	2.954	2.949	(0.725)	1946	1.00000	1.32
30	Bromochloromethane	49	2.986	2.986	(0.733)	3173	1.00000	1.14
31	Tetrahydrofuran	42	3.002	3.008	(0.737)	2370	1.00000	2.37
32	Chloroform	83	3.088	3.088	(0.758)	7564	1.00000	1.10

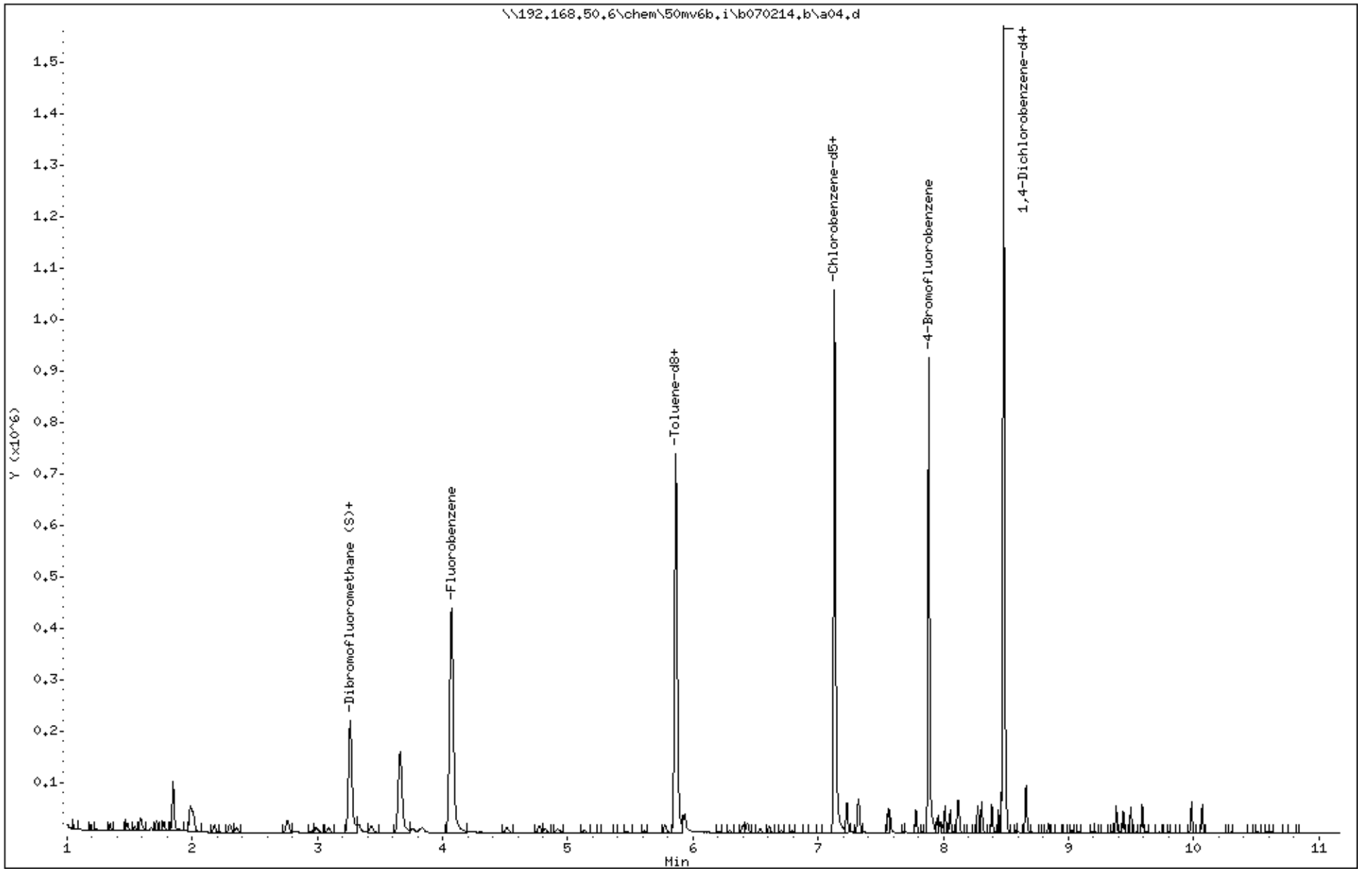
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	141969	50.0000	52.8
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	4678	1.00000	0.944
	35 Cyclohexane	56	3.329	3.329	(0.817)	5561	1.00000	0.960
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	2994	1.00000	0.782
	37 1,1-Dichloropropene	75	3.436	3.436	(0.844)	4430	1.00000	0.896
	39 Benzene	78	3.671	3.671	(0.901)	14429	1.00000	1.03
	141 2,2,4-Trimethylpentane	57	3.831	3.837	(0.941)	11610	1.00000	0.954
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	517425	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	3687	1.00000	0.960
	43 Methylcyclohexane	55	4.768	4.773	(1.171)	3600	1.00000	0.855
	45 Dibromomethane	93	4.917	4.917	(1.208)	2211	1.00000	0.962
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	2548	1.00000	0.479
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	10339	5.00000	4.45
$	51 Toluene-d8	98	5.864	5.864	(0.822)	469776	50.0000	47.5
	52 Toluene	91	5.934	5.934	(0.832)	20242	1.00000	1.14
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	2120	1.00000	0.755
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	4699	1.00000	0.968
	57 1,3-Dichloropropane	76	6.538	6.538	(0.917)	4286	1.00000	0.788
	58 2-Hexanone	43	6.608	6.608	(0.926)	8031	5.00000	4.63
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	2059	1.00000	0.650
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	2475	1.00000	0.743
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	437215	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	12465	1.00000	1.06
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.229	(1.013)	1833	1.00000	0.666
	64 Ethylbenzene	106	7.234	7.234	(1.014)	6565	1.00000	1.06
	65 m&p-Xylene	106	7.325	7.325	(1.027)	18442	2.00000	2.31
	67 o-Xylene	106	7.560	7.560	(1.060)	8212	1.00000	1.15
	68 Styrene	104	7.576	7.576	(1.062)	11866	1.00000	1.01
	70 Isopropylbenzene	105	7.780	7.785	(1.091)	20044	1.00000	1.14
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	184720	50.0000	51.4
	74 Bromobenzene	77	7.951	7.951	(1.115)	7284	1.00000	1.18
	75 1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	1148	1.00000	0.934
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	23867	1.00000	1.06
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	15764	1.00000	1.13
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	17040	1.00000	1.10
	79 4-Chlorotoluene	126	8.127	8.127	(0.958)	5637	1.00000	1.06
	80 tert-Butylbenzene	119	8.277	8.277	(0.975)	17026	1.00000	1.04
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	19374	1.00000	1.21
	82 sec-Butylbenzene	105	8.384	8.389	(0.988)	23658	1.00000	1.17
	83 1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	10894	1.00000	1.12
	84 p-Isopropyltoluene	119	8.464	8.464	(0.997)	19095	1.00000	1.10
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	246928	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	11696	1.00000	1.14
	87 n-Butylbenzene	91	8.657	8.657	(1.020)	17211	1.00000	1.12
	88 1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	10503	1.00000	1.22
	90 1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	7688	1.00000	1.39
	91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	4101	1.00000	1.71
	92 Naphthalene	128	9.497	9.497	(1.119)	22024	1.00000	1.56
	94 2,methyl-naphthalene	142	9.984	9.984	(1.177)	16236	1.00000	2.63
	148 1-Methylnaphthalene	141	10.069	10.069	(1.187)	13417	1.00000	2.25

QC Flag Legend

T - Target compound detected outside RT window.
M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a04.d
Date : 02-JUL-2014 17:34
Client ID: 8260-CAL1
Sample Info: 8260-CAL1,71816:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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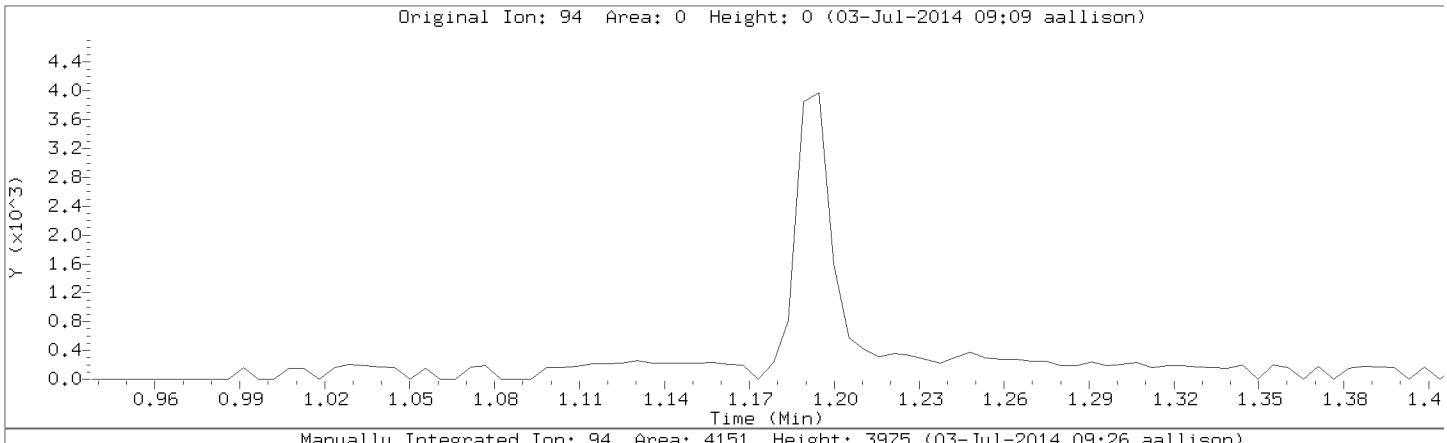
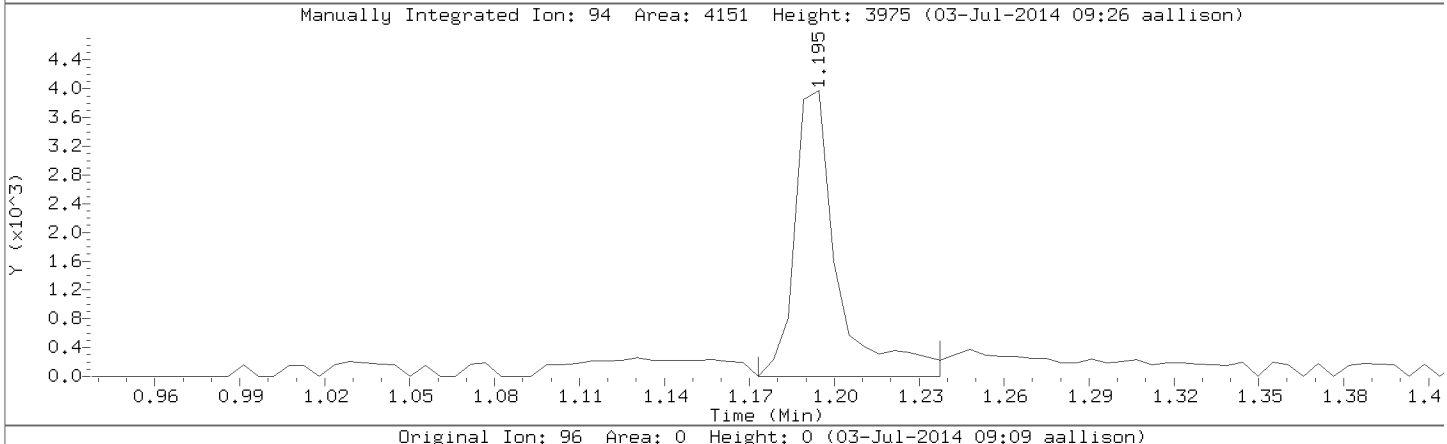
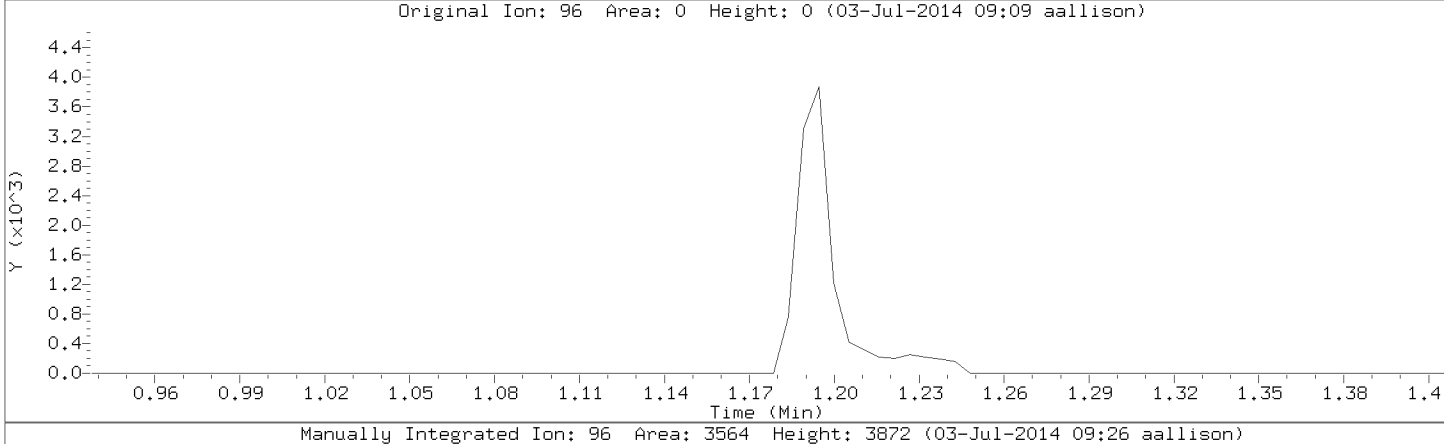
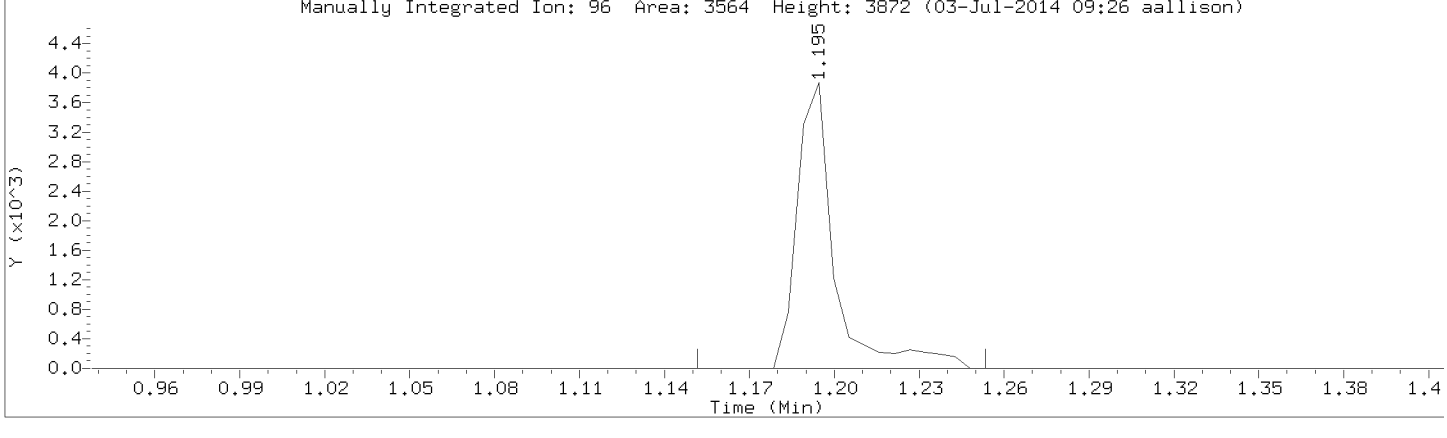
Injection Date: 02-JUL-2014 17:34
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL1

Compound: Bromomethane
CAS Number: 74-83-9









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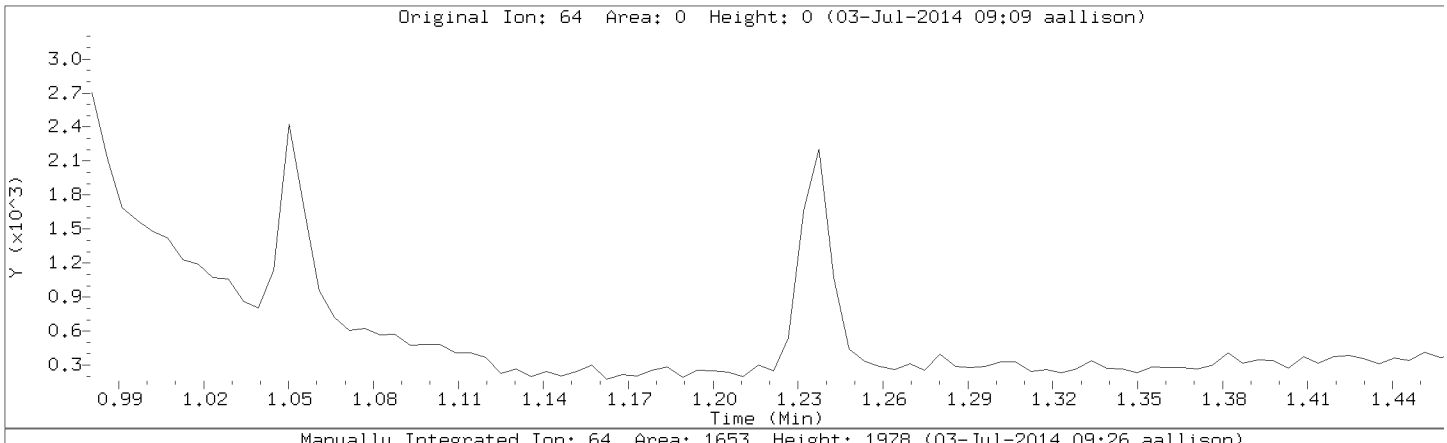
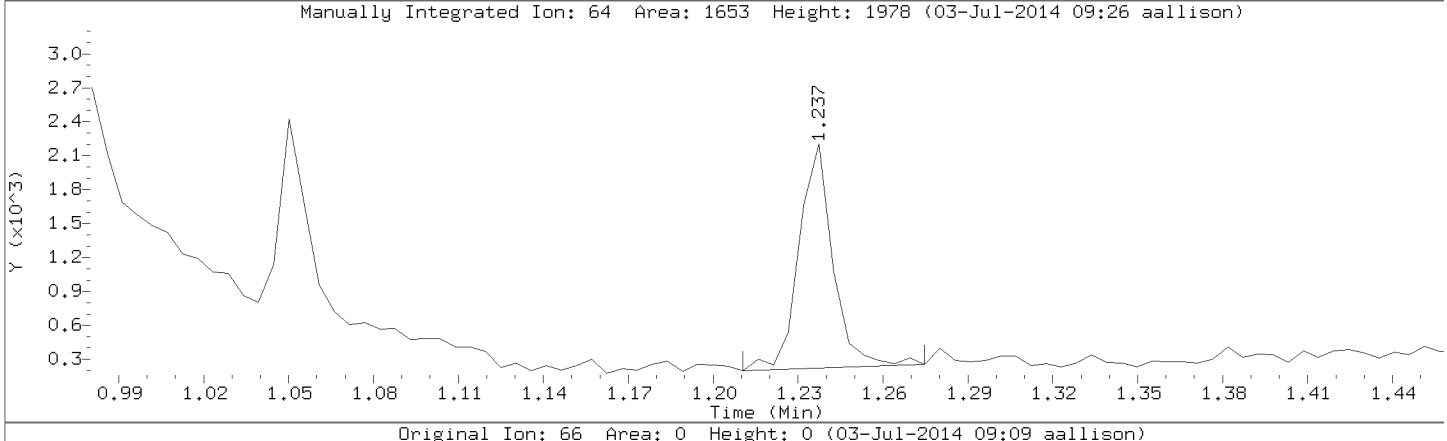
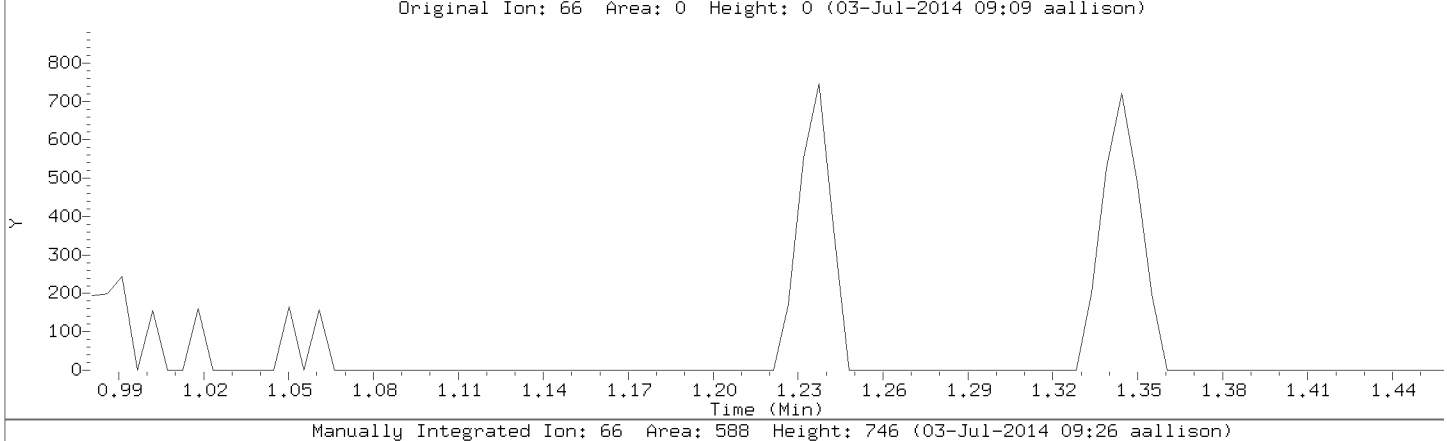
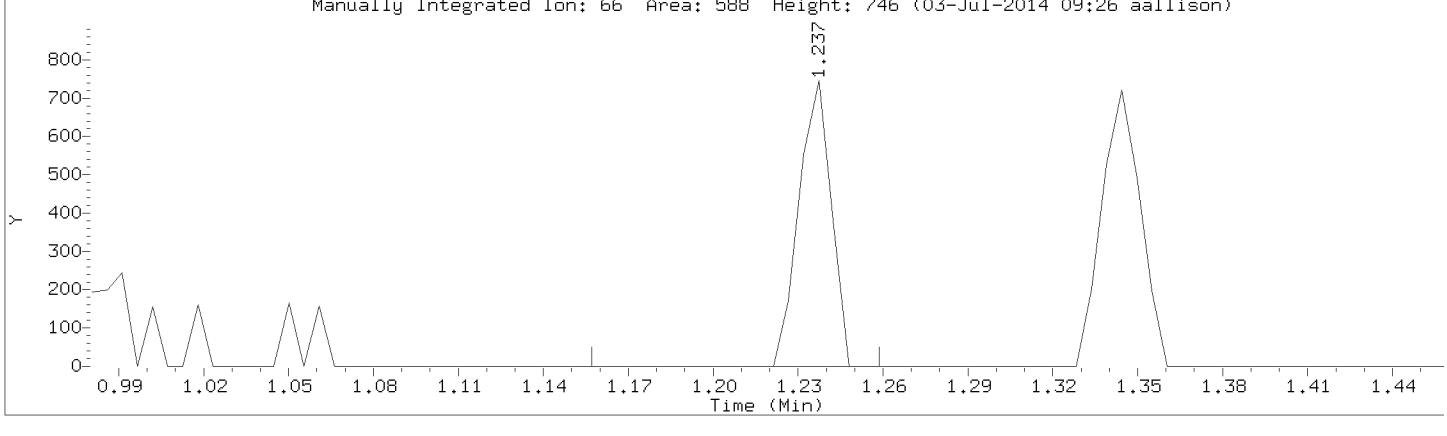
Injection Date: 02-JUL-2014 17:34
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL1

Compound: Chloroethane
CAS Number: 75-00-3









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a05.d
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Inj Date : 02-JUL-2014 18:01
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal2,71817:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	9020	2.00000	2.14
2	Chloromethane	50	1.001	1.001	(0.246)	5509	2.00000	2.58
3	Vinyl Chloride	62	1.050	1.050	(0.258)	6603	2.00000	2.08(Q)
4	Bromomethane	94	1.189	1.189	(0.292)	6227	2.00000	5.04(M)
5	Chloroethane	64	1.231	1.232	(0.302)	2834	2.00000	2.70(M)
6	Trichlorofluoromethane	101	1.338	1.339	(0.329)	10956	2.00000	2.15
8	Diethyl ether	74	1.461	1.462	(0.359)	3027	2.00000	2.14
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	8492	2.00000	2.20
9	Acrolein	56	1.531	1.536	(0.376)	10438	40.0000	44.7
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	7348	2.00000	2.16
11	1,1-Dichloroethene	96	1.585	1.585	(0.389)	6868	2.00000	2.42(M)
12	Acetone	43	1.601	1.601	(0.393)	8823	10.0000	17.6
13	Iodomethane	142	1.670	1.670	(0.410)	7225	4.00000	1.91
14	Carbon Disulfide	76	1.713	1.713	(0.421)	33035	4.00000	4.19
16	Methyl Acetate	43	1.756	1.762	(0.431)	2482	2.00000	2.06(M)
143	Acetonitrile	39	1.772	1.772	(0.435)	9033	2.00000	2.47(M)
15	allyl chloride	41	1.772	1.772	(0.435)	10091	4.00000	3.92
17	Methylene Chloride	84	1.847	1.847	(0.454)	32555	2.00000	10.3(M)
18	tert-Butyl Alcohol	59	1.889	1.895	(0.464)	1049	4.00000	4.62
19	Acrylonitrile	53	1.980	1.980	(0.486)	58296	40.0000	51.6(M)
20	Methyl-tert-butyl ether	73	1.996	2.002	(0.490)	27720	4.00000	3.72
21	1,2-Dichloroethene (trans)	96	2.007	2.013	(0.493)	9518	2.00000	2.30
22	n-Hexane	57	2.178	2.178	(0.535)	9329	2.00000	1.73

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	17321	8.00000	4.38(M)
	23 1,1-Dichloroethane	63	2.301	2.307	(0.565)	14615	2.00000	2.19
	147 chloroprene	53	2.350	2.355	(0.577)	8364	2.00000	1.93
	28 2-Butanone	43	2.745	2.751	(0.674)	12719	10.0000	10.5
	26 1,2-Dichloroethene (cis)	96	2.756	2.762	(0.677)	10265	2.00000	2.18
	27 2,2-Dichloropropane	77	2.761	2.767	(0.678)	5223	2.00000	1.76
	149 Propionitrile	54	2.810	2.815	(0.690)	898	2.00000	1.82(Q)
	144 Methacrylonitrile	41	2.949	2.949	(0.724)	2881	2.00000	2.18
	30 Bromochloromethane	49	2.986	2.986	(0.733)	6067	2.00000	2.21
	31 Tetrahydrofuran	42	3.002	3.008	(0.737)	3090	2.00000	4.26
	32 Chloroform	83	3.088	3.088	(0.758)	14755	2.00000	2.20
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	142693	50.0000	55.0
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	9170	2.00000	1.96
	35 Cyclohexane	56	3.329	3.329	(0.817)	10980	2.00000	2.01
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	6142	2.00000	1.79
	37 1,1-Dichloropropene	75	3.430	3.436	(0.842)	8314	2.00000	1.78
	39 Benzene	78	3.671	3.671	(0.901)	26751	2.00000	1.97
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	9049	2.00000	2.31
	38 Isobutyl alcohol	43	3.837	3.837	(0.942)	3475	2.00000	1.95(M)
	141 2,2,4-Trimethylpentane	57	3.831	3.837	(0.941)	21805	2.00000	1.84
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	497196	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	6565	2.00000	1.78
	43 Methylcyclohexane	55	4.768	4.773	(1.171)	7085	2.00000	1.68
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	5653	2.00000	1.80(M)
	45 Dibromomethane	93	4.917	4.917	(1.208)	4453	2.00000	2.08
	142 1,4-Dioxane	88	4.923	4.928	(1.209)	1568	40.0000	34.6
	46 Methyl methacrylate	69	4.933	4.934	(1.211)	2111	2.00000	1.26
	47 Bromodichloromethane	83	5.131	5.137	(1.260)	6969	2.00000	1.77
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	3111	4.00000	1.97
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	5170	2.00000	0.891
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	18146	10.0000	8.15
$	51 Toluene-d8	98	5.864	5.864	(0.822)	456619	50.0000	47.4
	52 Toluene	91	5.934	5.934	(0.832)	34255	2.00000	1.86
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	2889	2.00000	0.691
	54 Ethyl Methacrylate	69	6.298	6.298	(0.883)	4243	2.00000	1.16(M)
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	4307	2.00000	1.42
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	8249	2.00000	1.71
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	8323	2.00000	1.43
	58 2-Hexanone	43	6.608	6.608	(0.926)	15969	10.0000	9.64
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	3903	2.00000	1.34
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	4830	2.00000	1.56
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	427599	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	22593	2.00000	1.92
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.229	(1.014)	3662	2.00000	1.47(Q)
	64 Ethylbenzene	106	7.234	7.234	(1.014)	11860	2.00000	1.94
	65 m&p-Xylene	106	7.325	7.325	(1.027)	32739	4.00000	4.01
	67 o-Xylene	106	7.560	7.560	(1.060)	14377	2.00000	2.03
	68 Styrene	104	7.576	7.576	(1.062)	22342	2.00000	1.96
	69 Bromoform	173	7.683	7.683	(0.905)	1983	2.00000	0.854(M)
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	35614	2.00000	2.08
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	185001	50.0000	53.0
	74 Bromobenzene	77	7.951	7.951	(1.115)	13064	2.00000	2.11
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	7258	2.00000	1.72
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	1320	2.00000	1.58(QM)

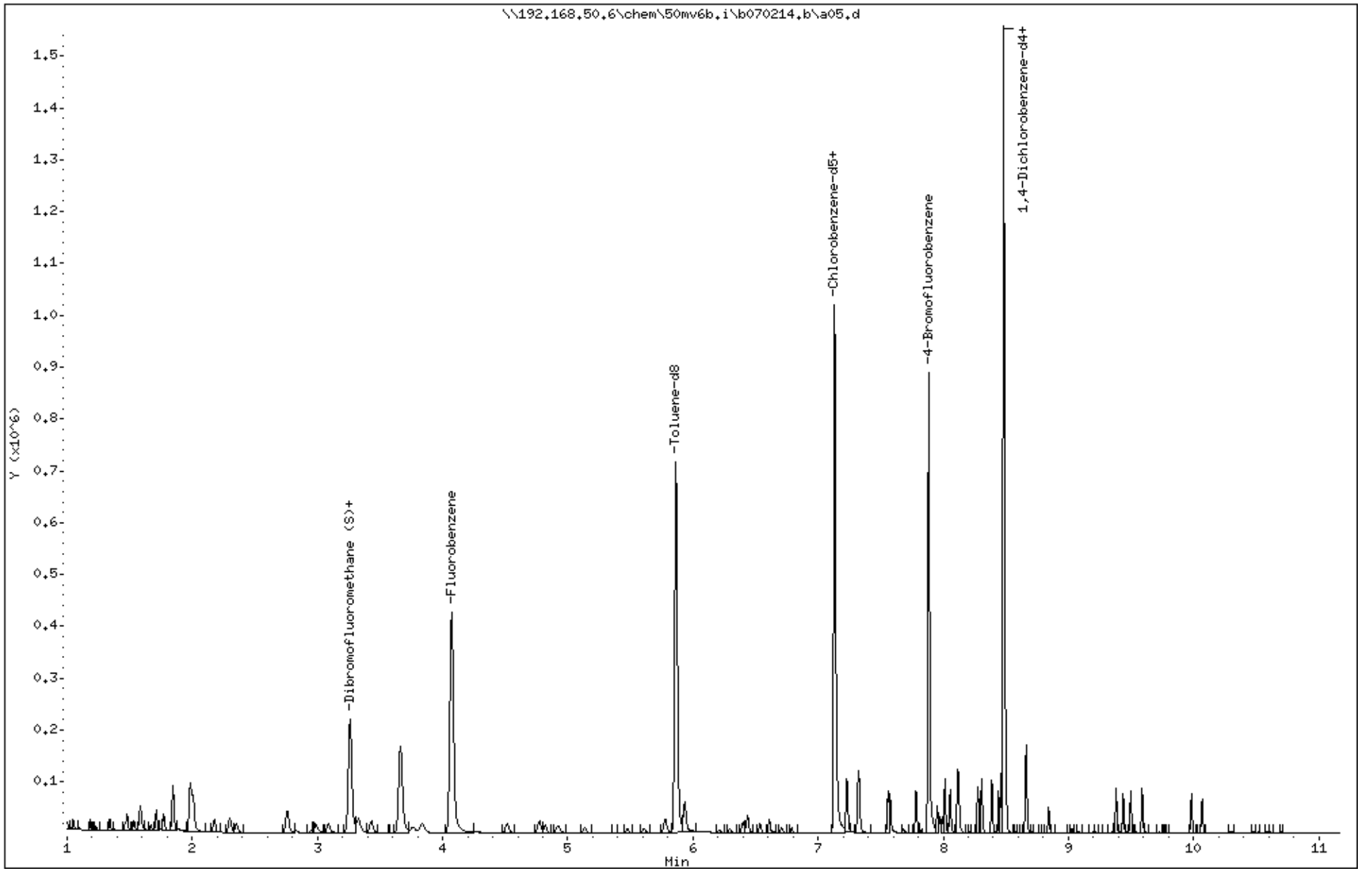
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.993	7.994	(0.942)	2075	2.00000	1.72
76	n-Propylbenzene	91	8.015	8.015	(0.945)	44049	2.00000	1.96
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	28724	2.00000	2.04
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	31022	2.00000	2.08
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	10323	2.00000	1.89
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	34240	2.00000	2.25
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	32328	2.00000	2.00
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	42073	2.00000	2.12
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	19632	2.00000	1.97
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	35247	2.00000	2.15
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	246148	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	20955	2.00000	1.96
87	n-Butylbenzene	91	8.662	8.657	(1.021)	31851	2.00000	2.15
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	19121	2.00000	2.17
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	904	2.00000	2.17
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	12896	2.00000	2.21
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	6739	2.00000	4.24
92	Naphthalene	128	9.497	9.497	(1.119)	33935	2.00000	2.16
93	1,2,3-Trichlorobenzene	180	9.588	9.593	(1.130)	12403	2.00000	3.95
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	19984	2.00000	4.90
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	16064	2.00000	1.96

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a05.d
Date : 02-JUL-2014 18:01
Client ID: 8260-CAL2
Sample Info: 8260-CAL2,71817:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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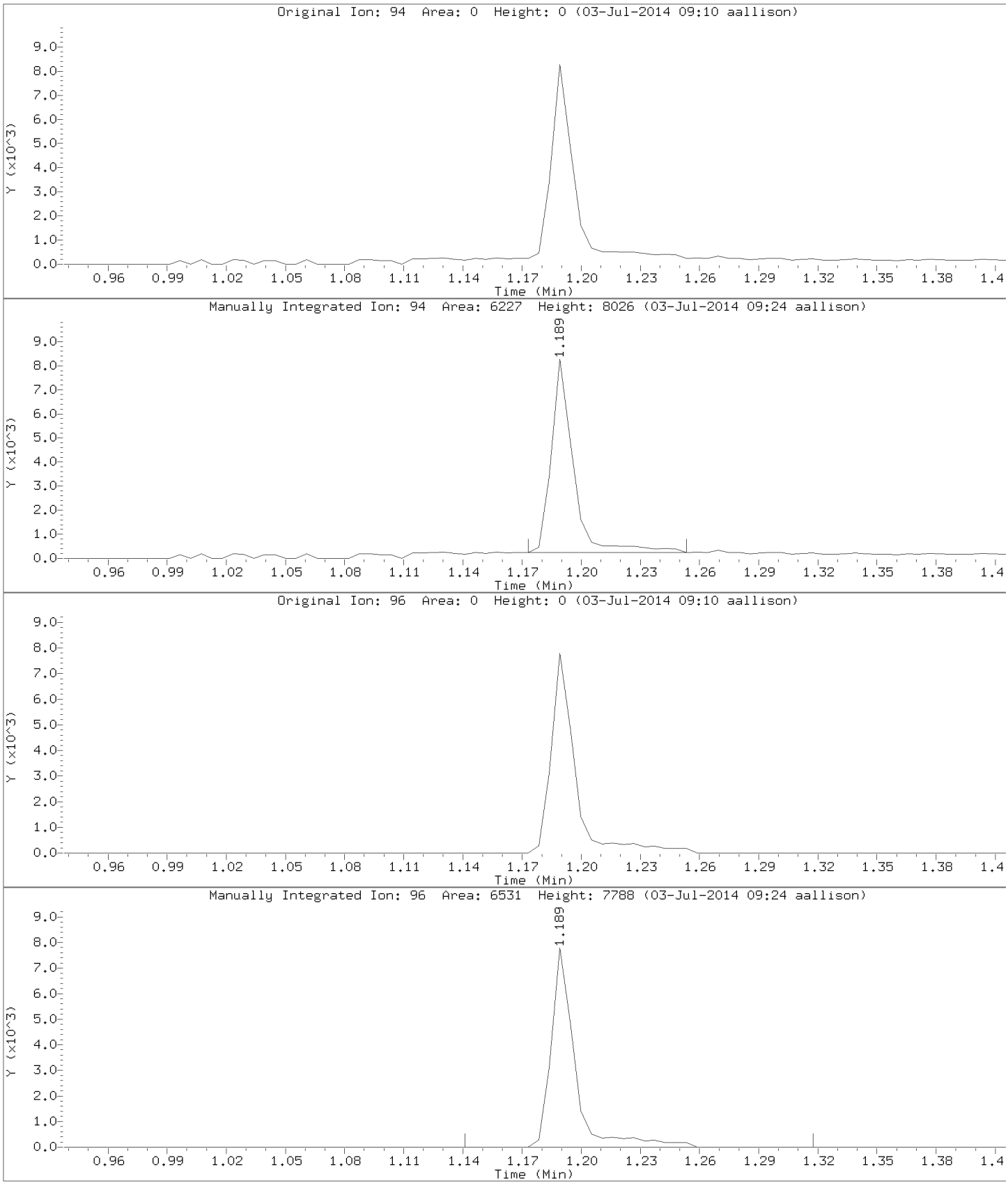
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Bromomethane
CAS Number: 74-83-9



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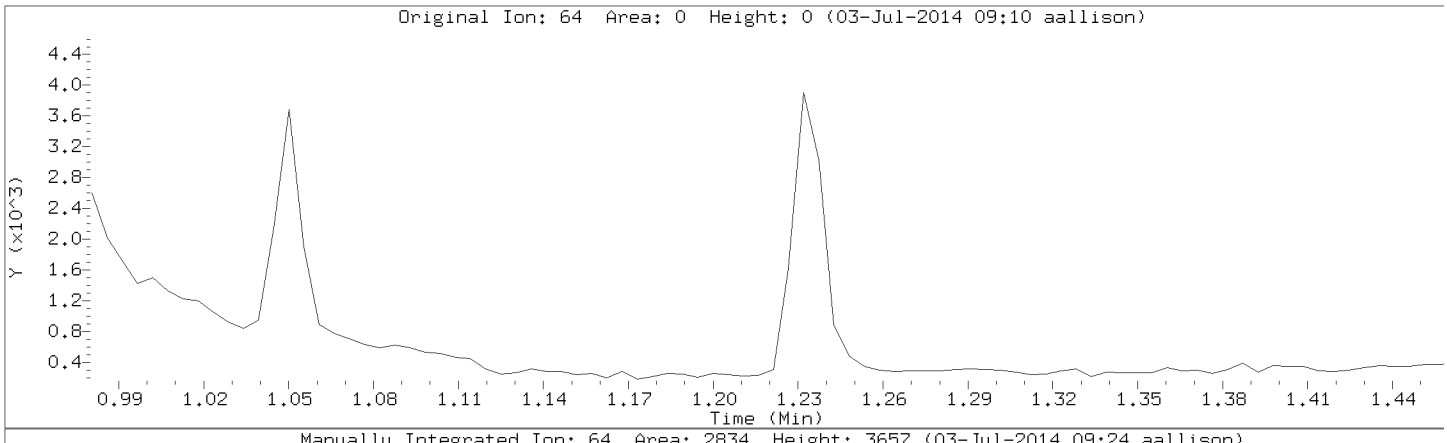
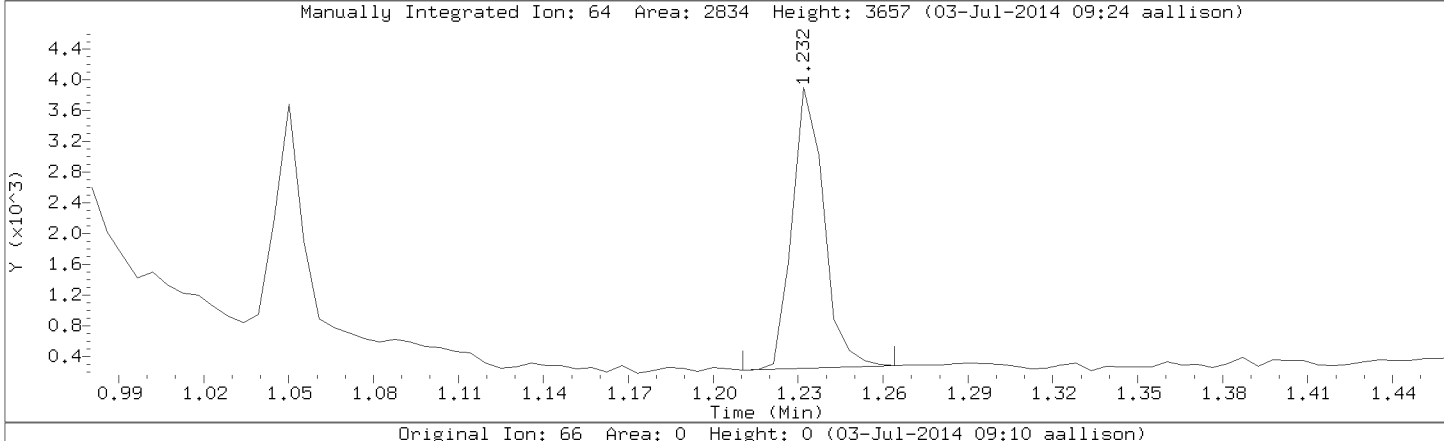
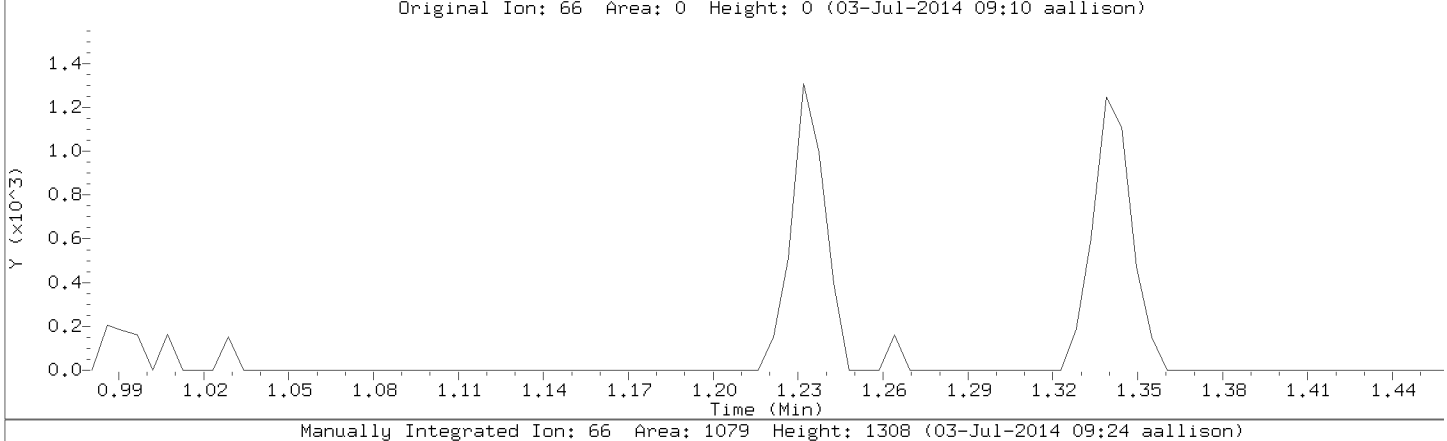
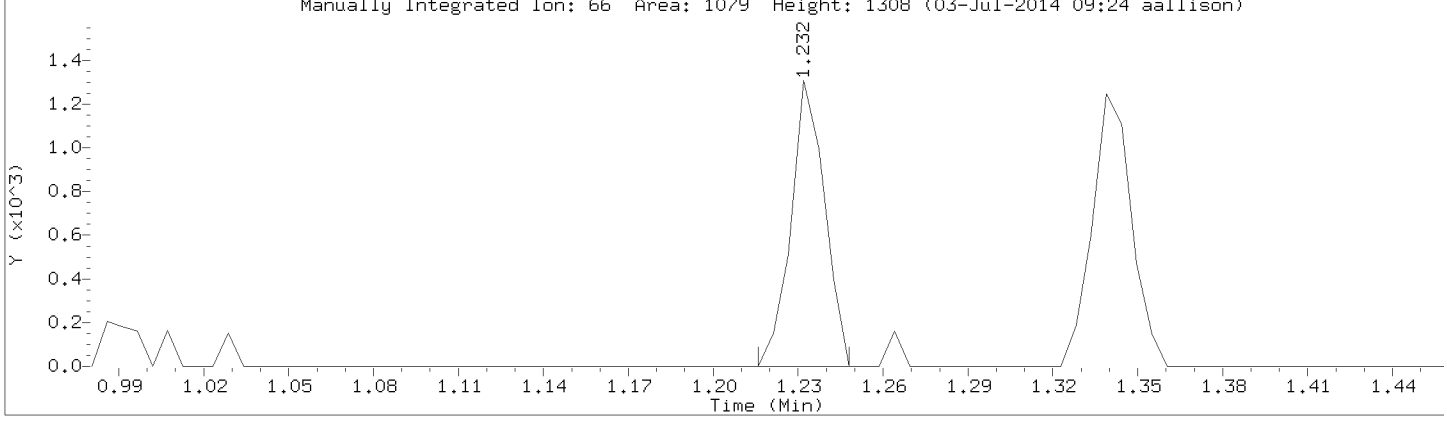
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Chloroethane
CAS Number: 75-00-3









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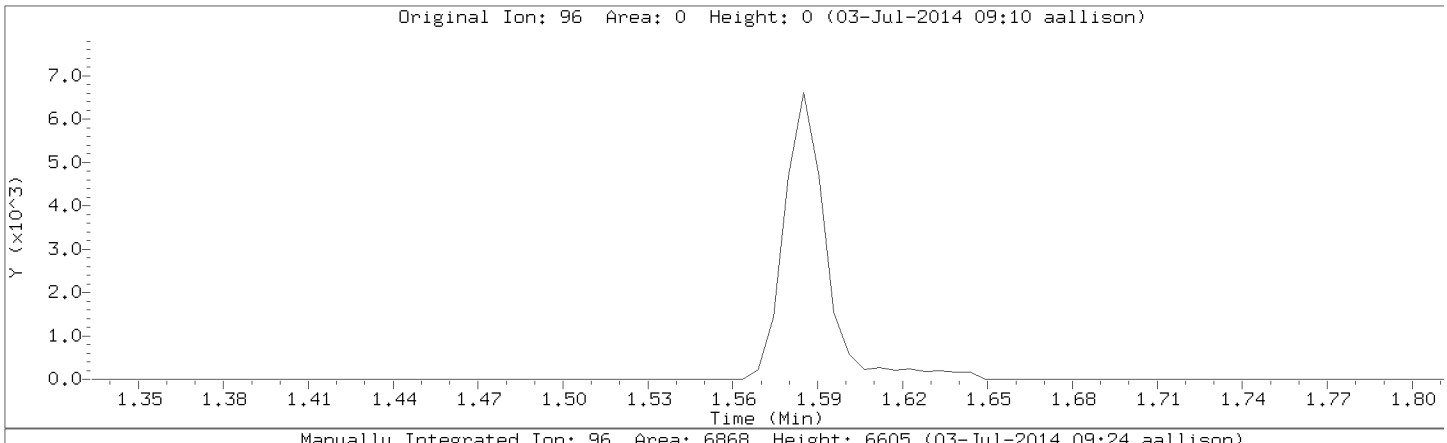
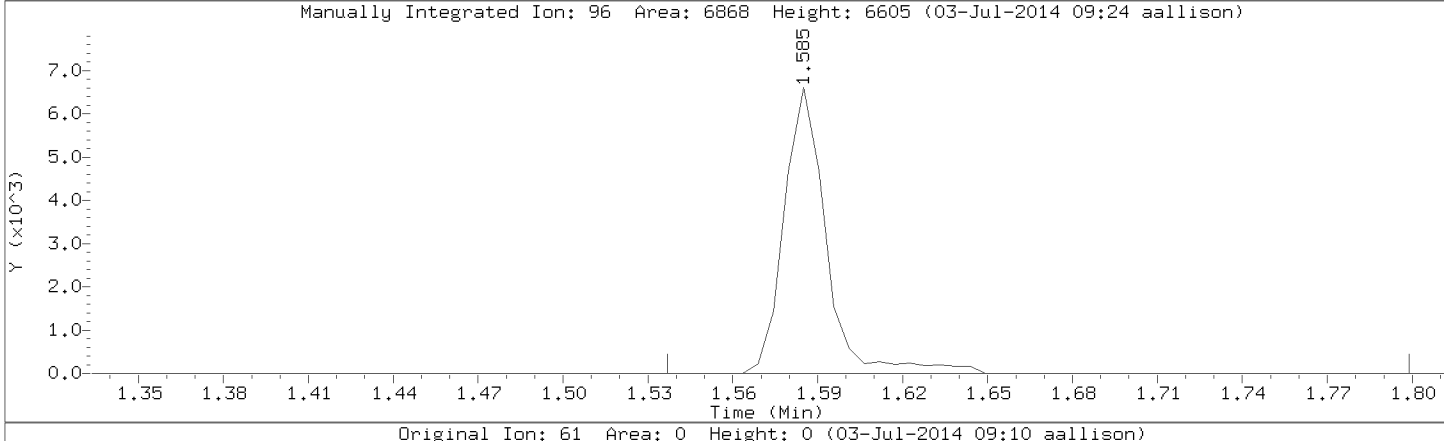
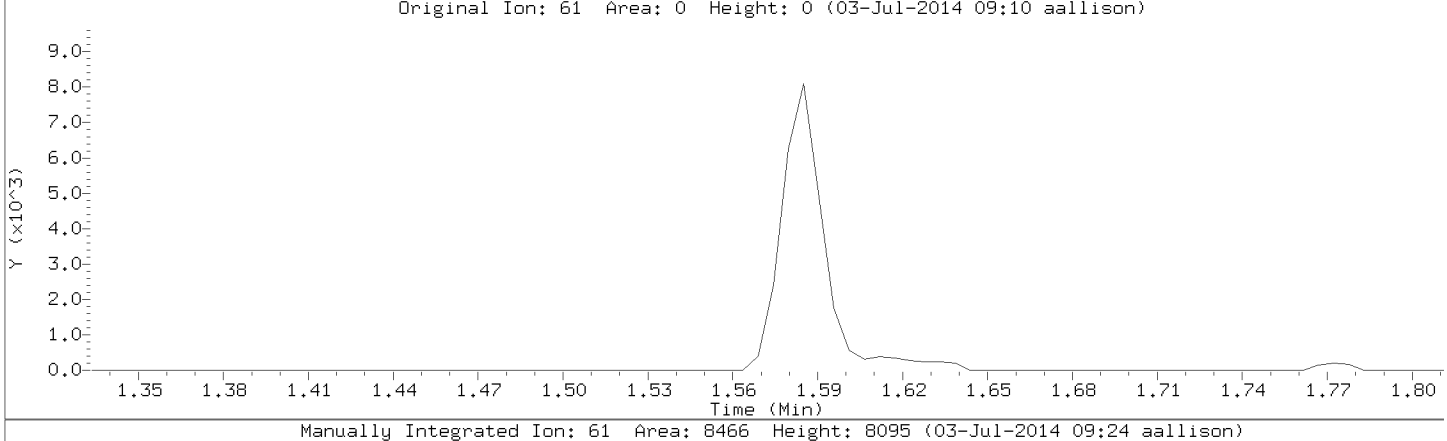
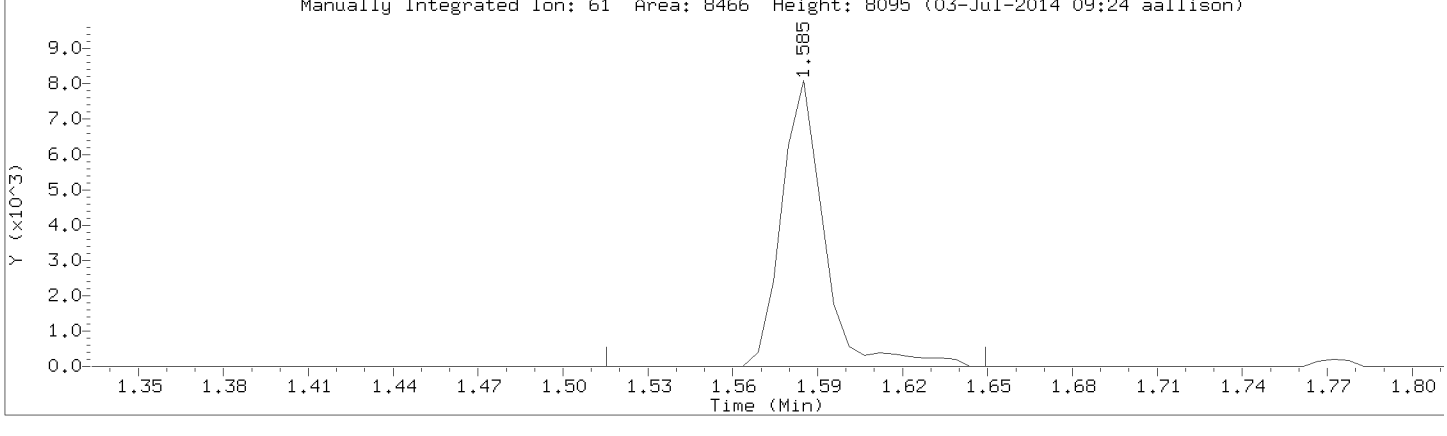
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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









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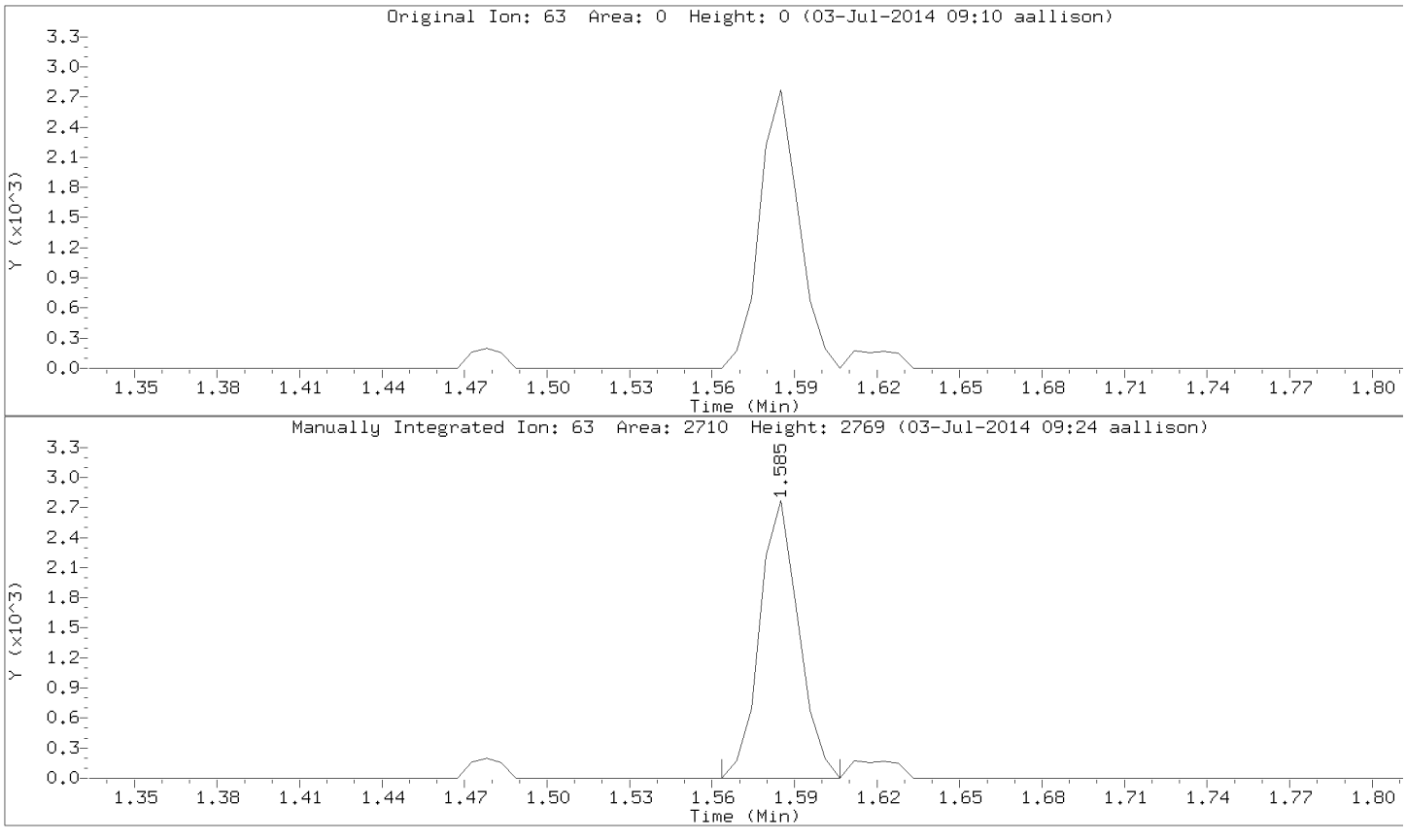
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2



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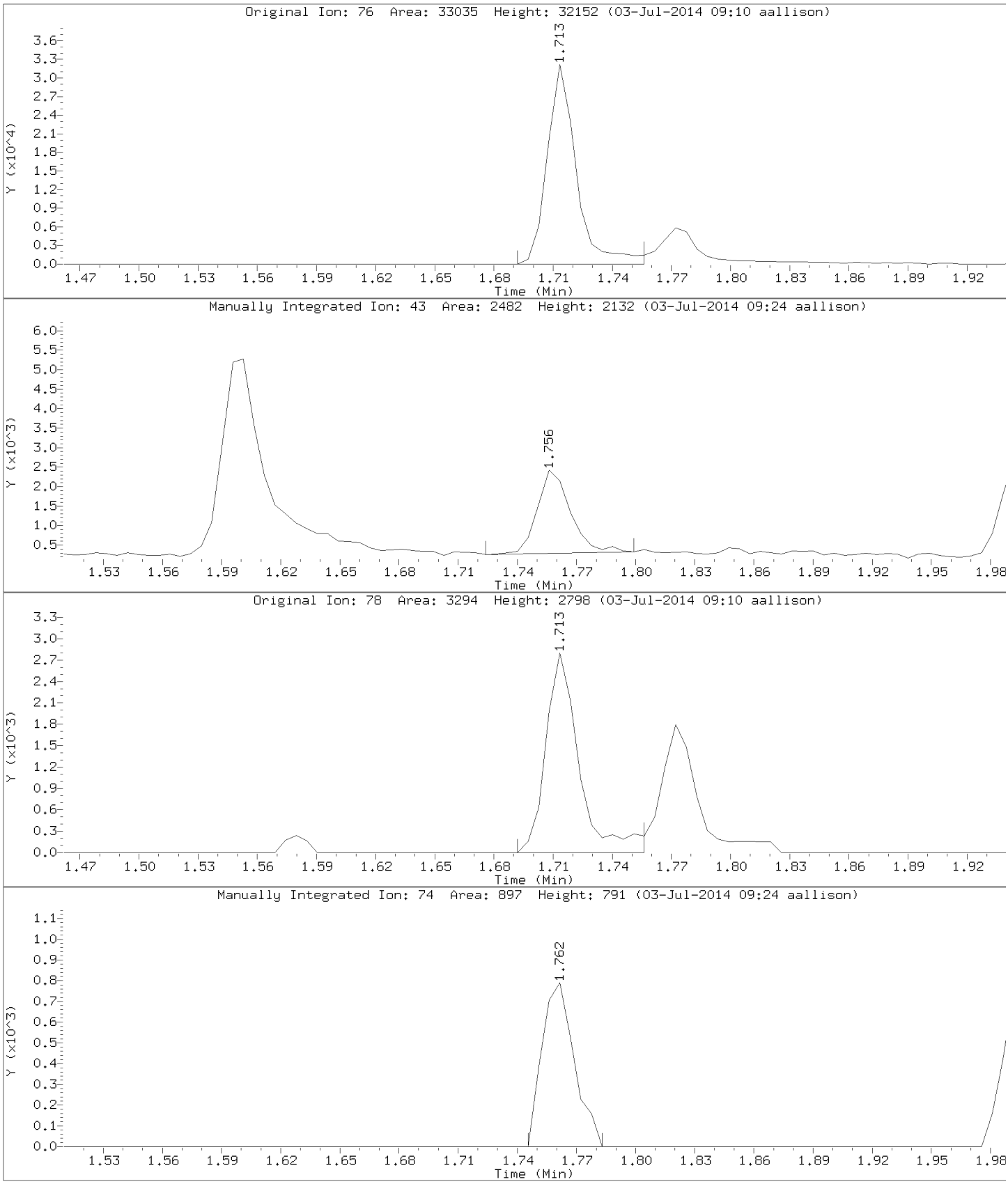
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Methyl Acetate
CAS Number: 79-20-9



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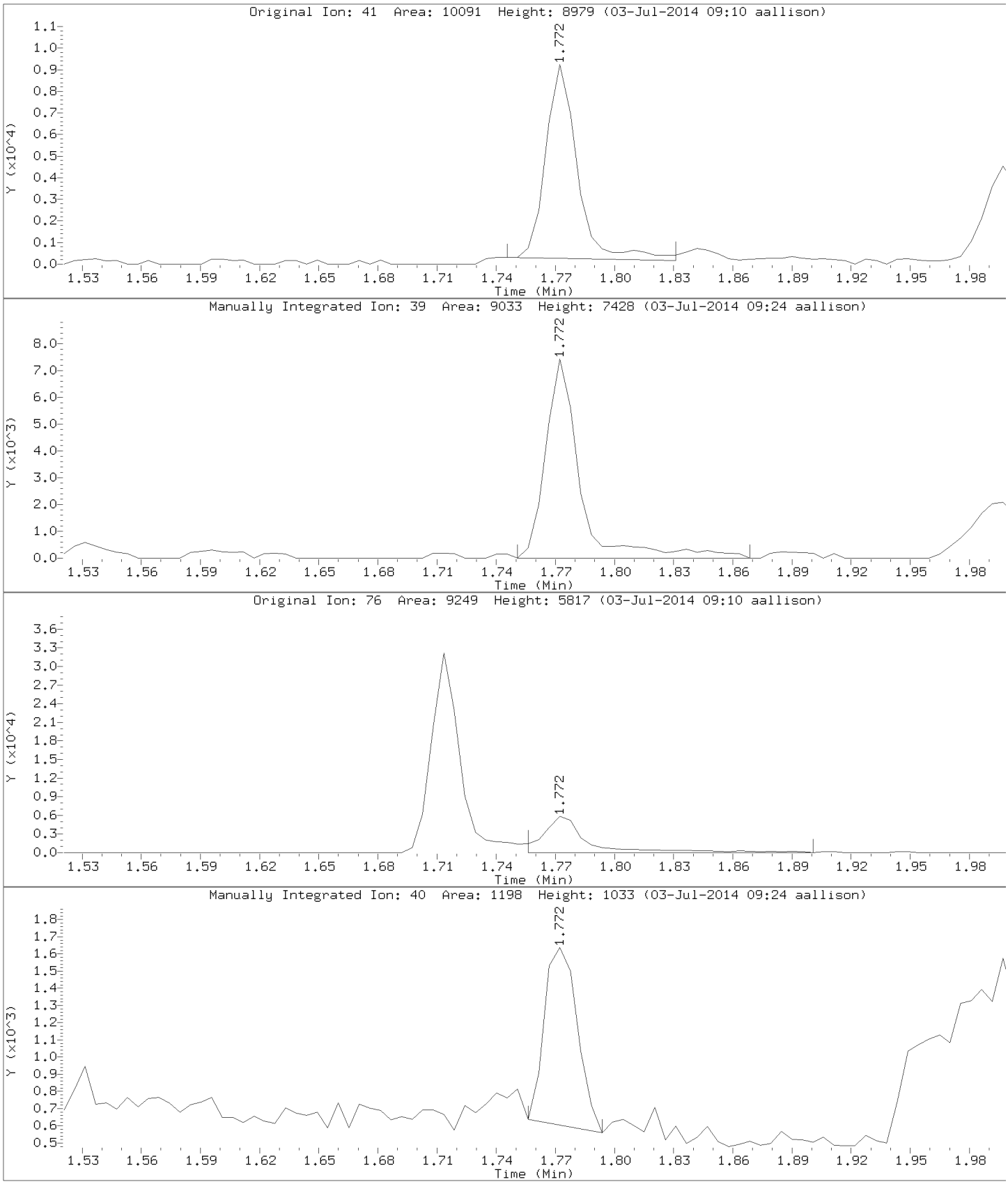
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Acetonitrile
CAS Number: 75-05-8



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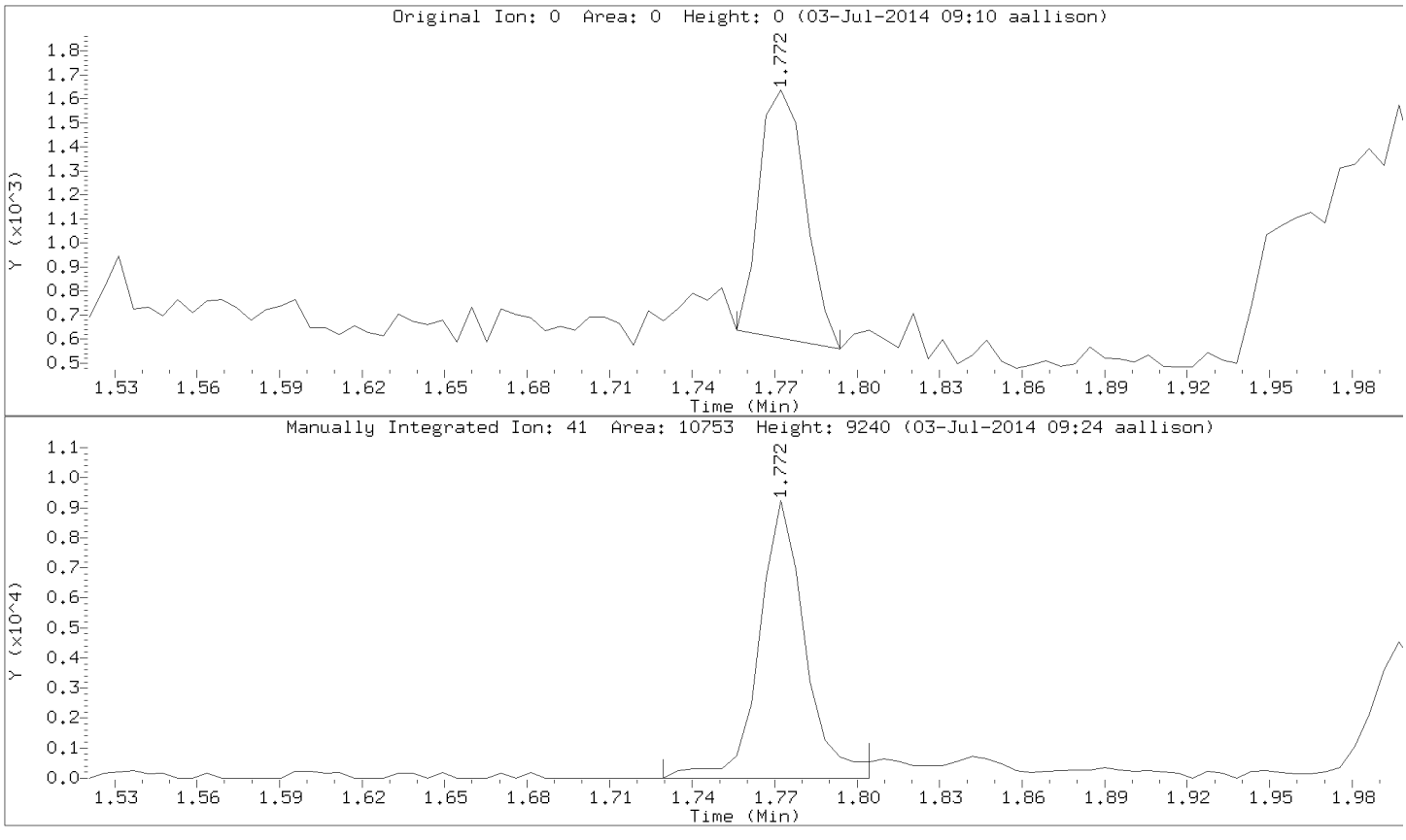
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2



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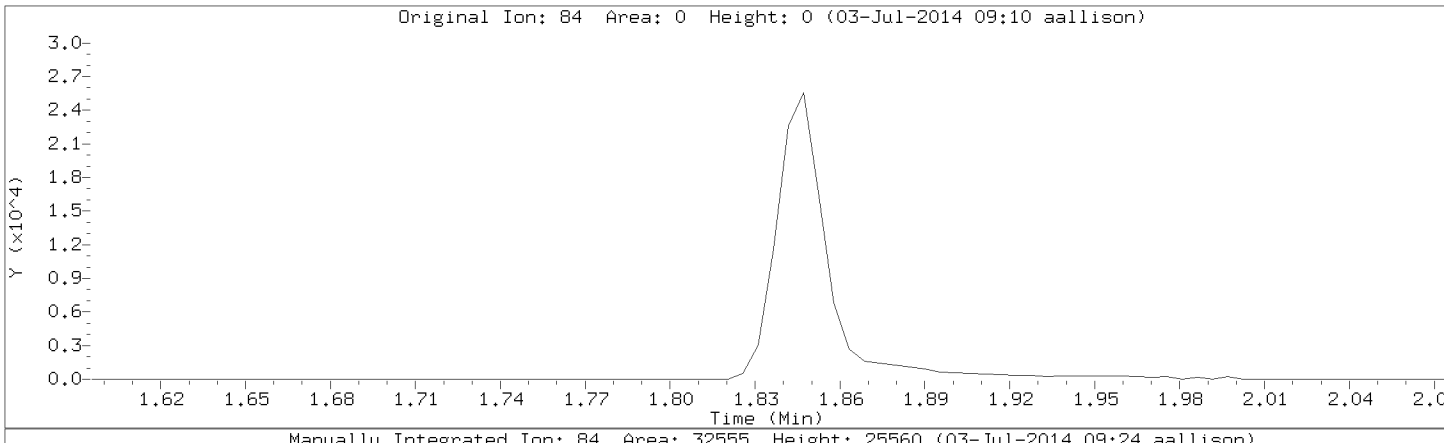
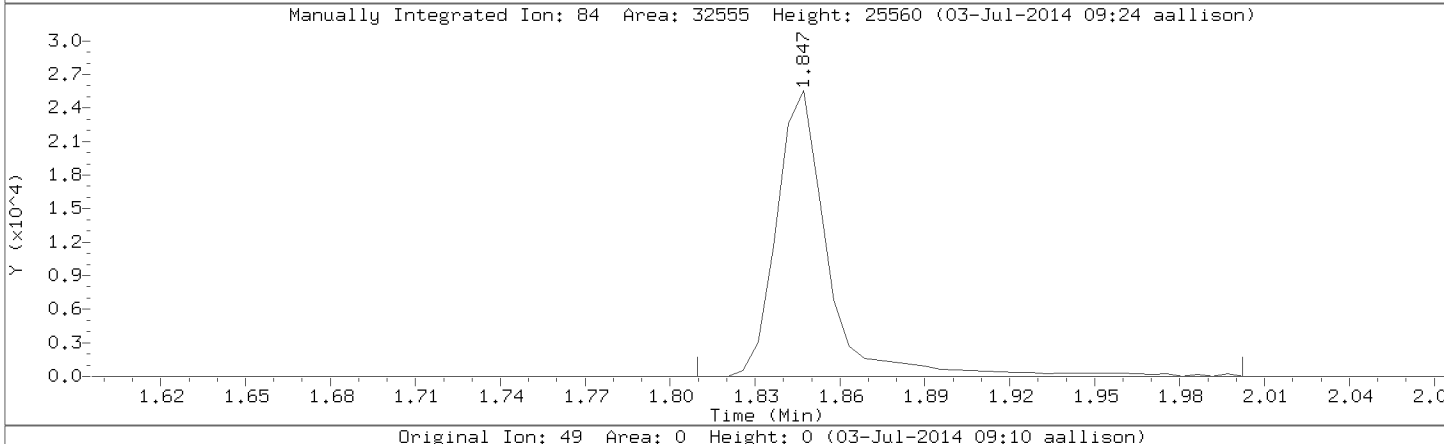
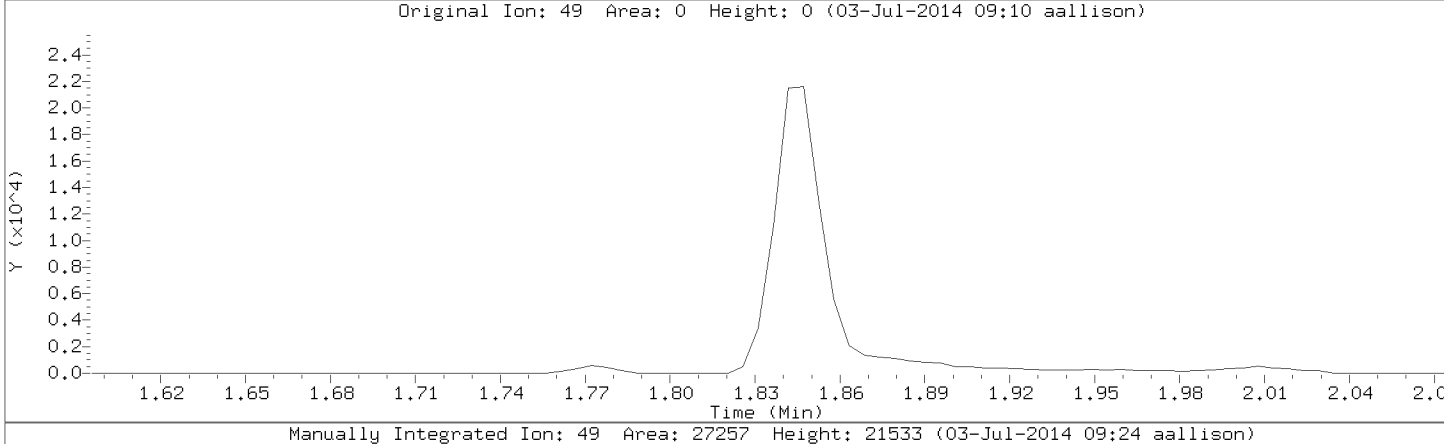
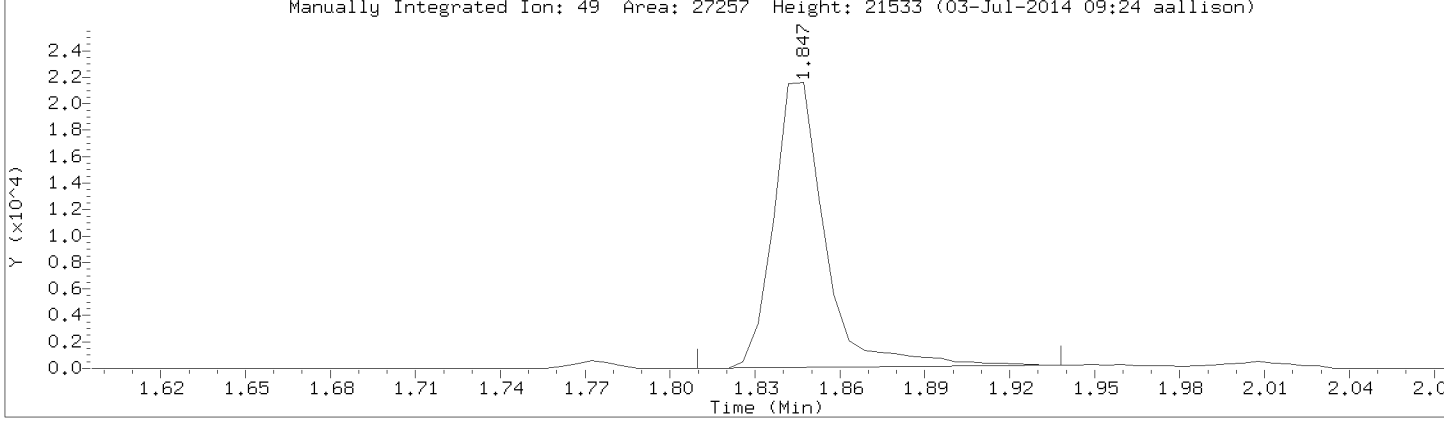
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Methylene Chloride
CAS Number: 75-09-2









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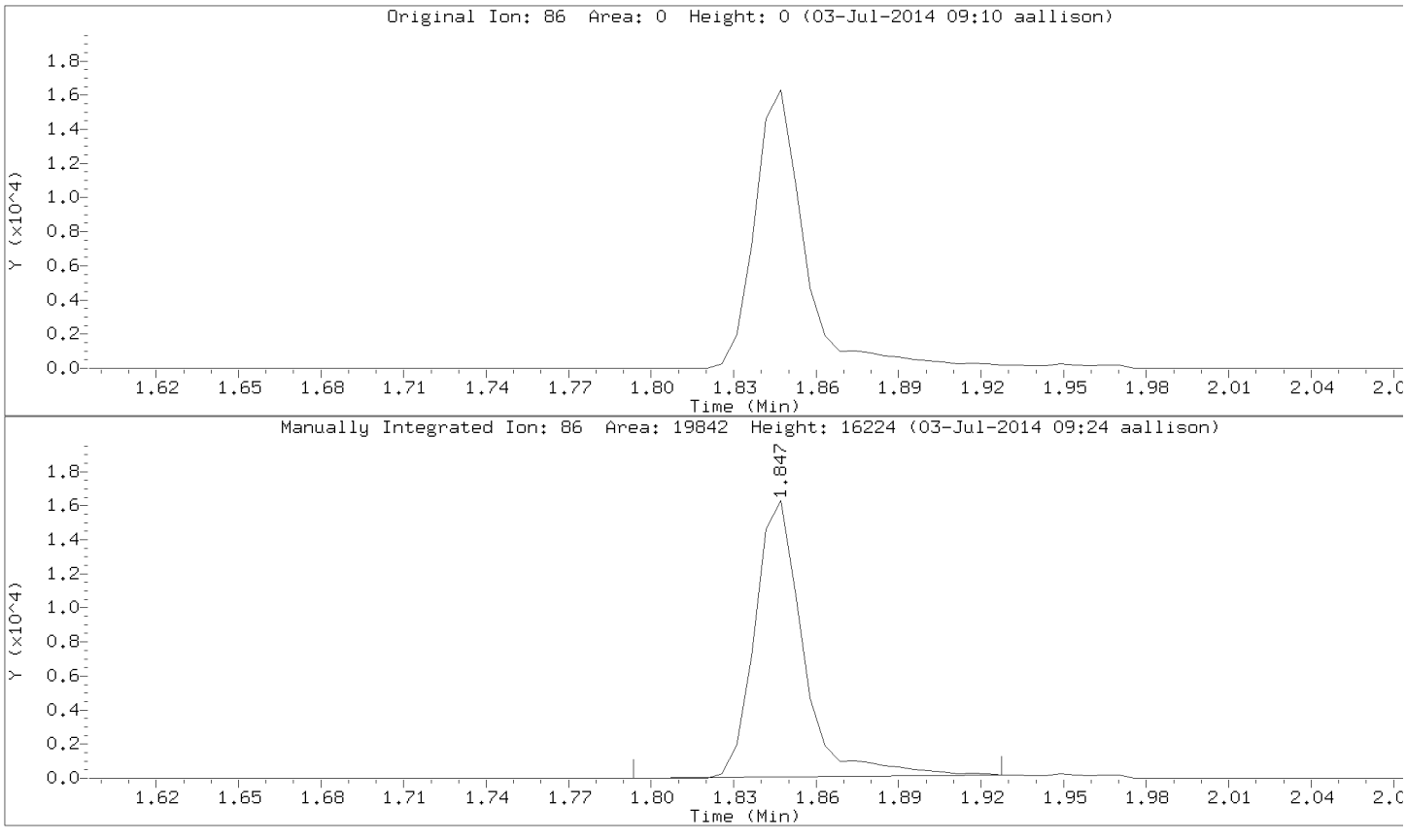
Lab Sample ID: 8260-CAL2



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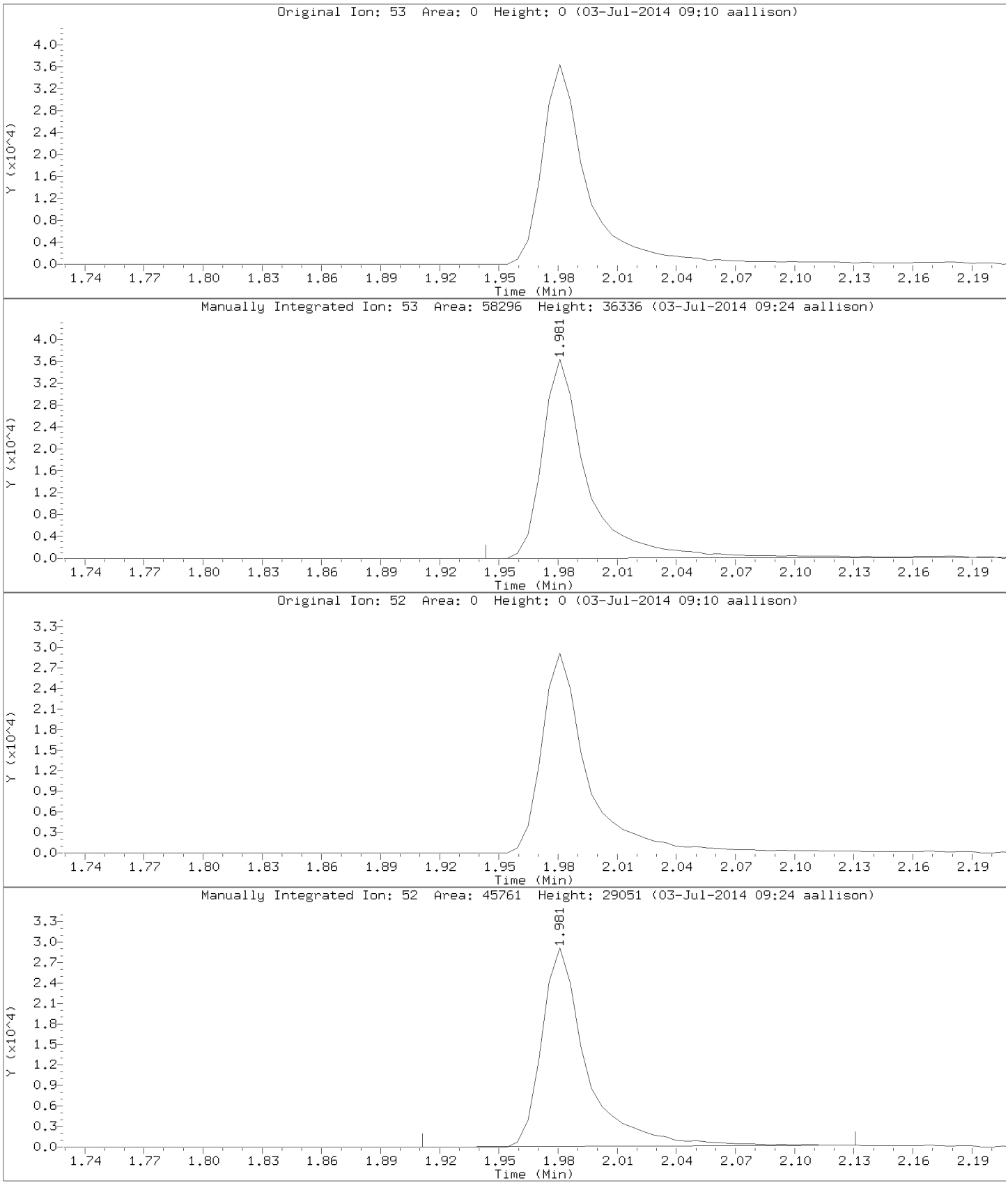
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Acrylonitrile
CAS Number: 107-13-1



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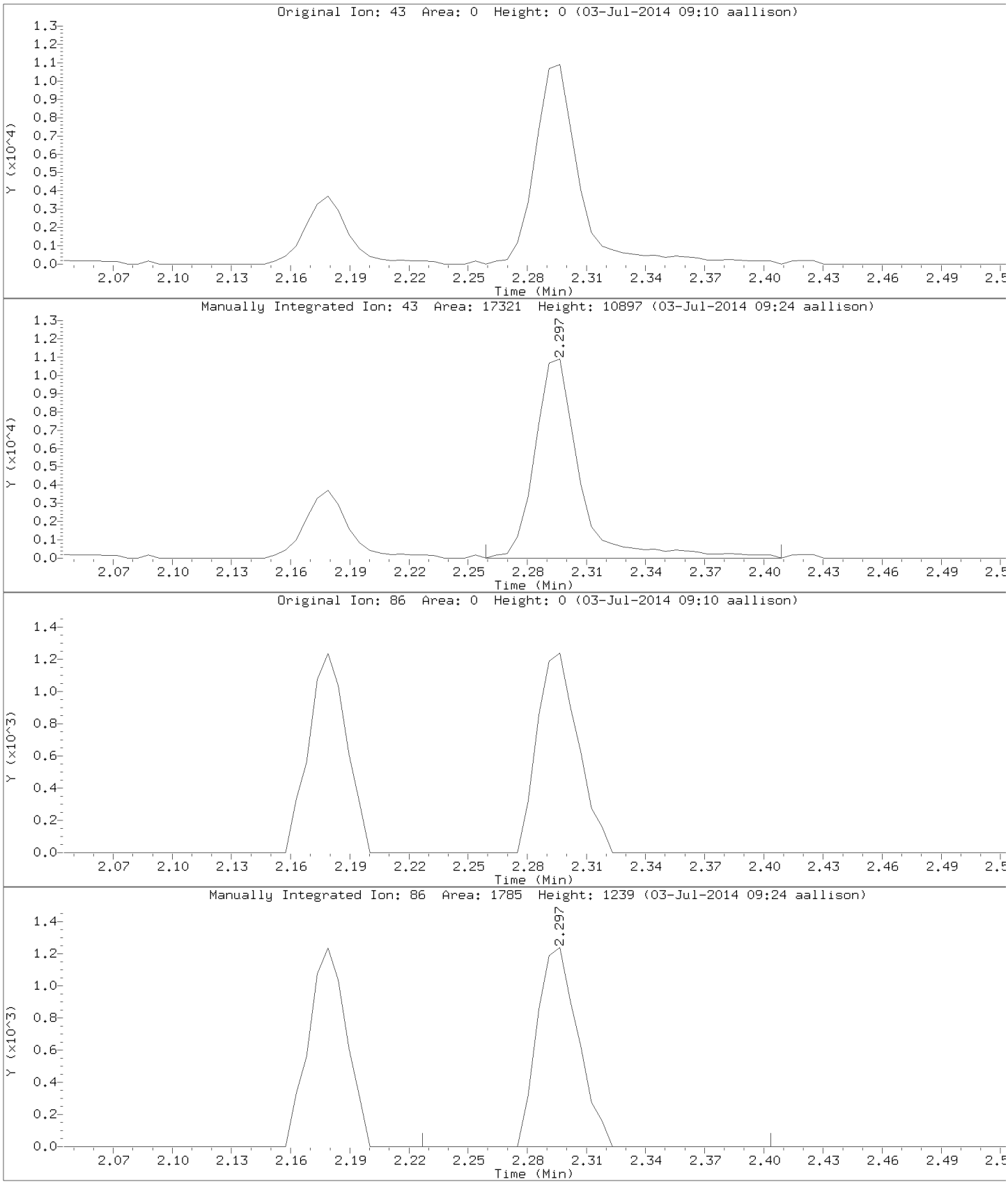
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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



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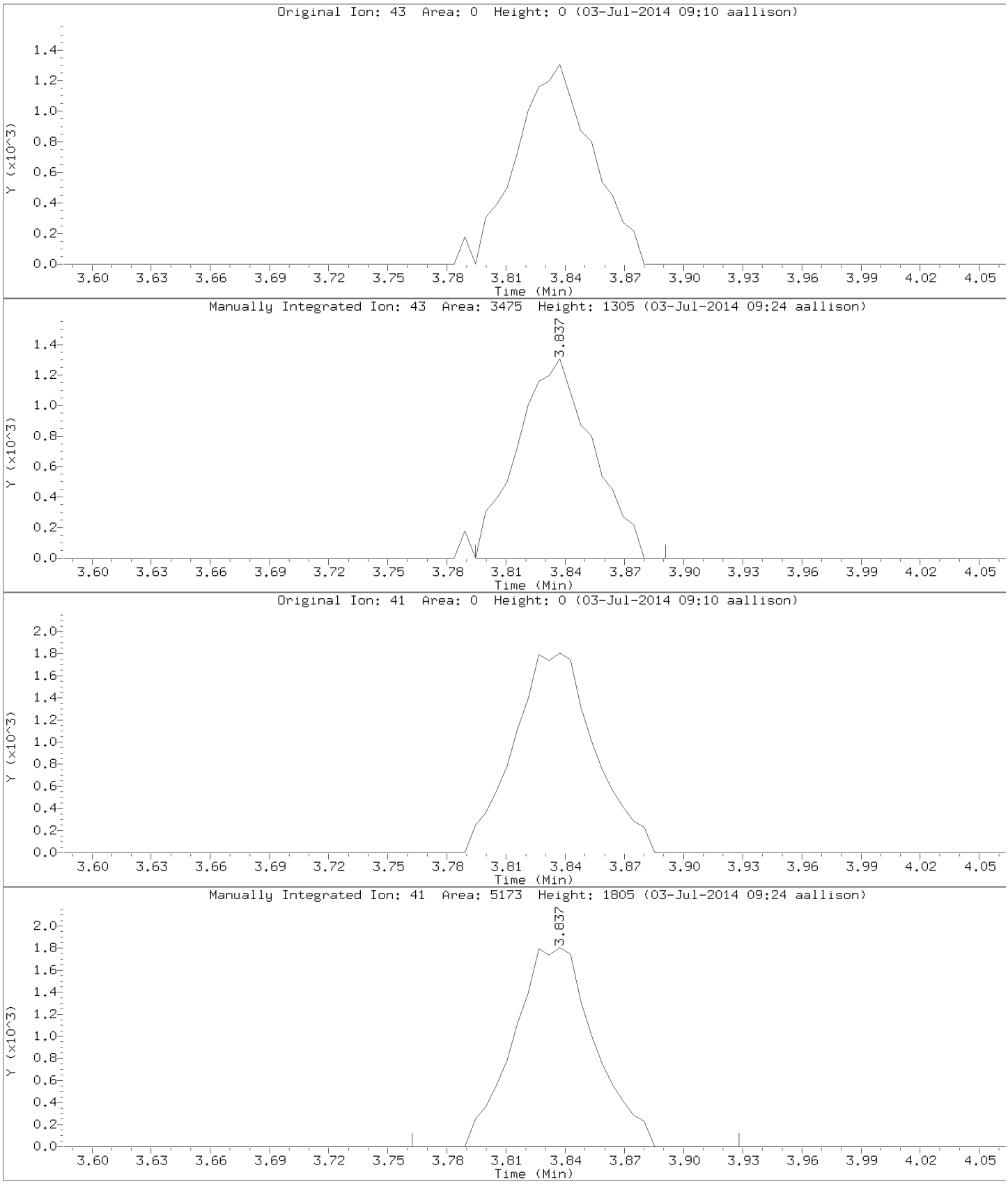
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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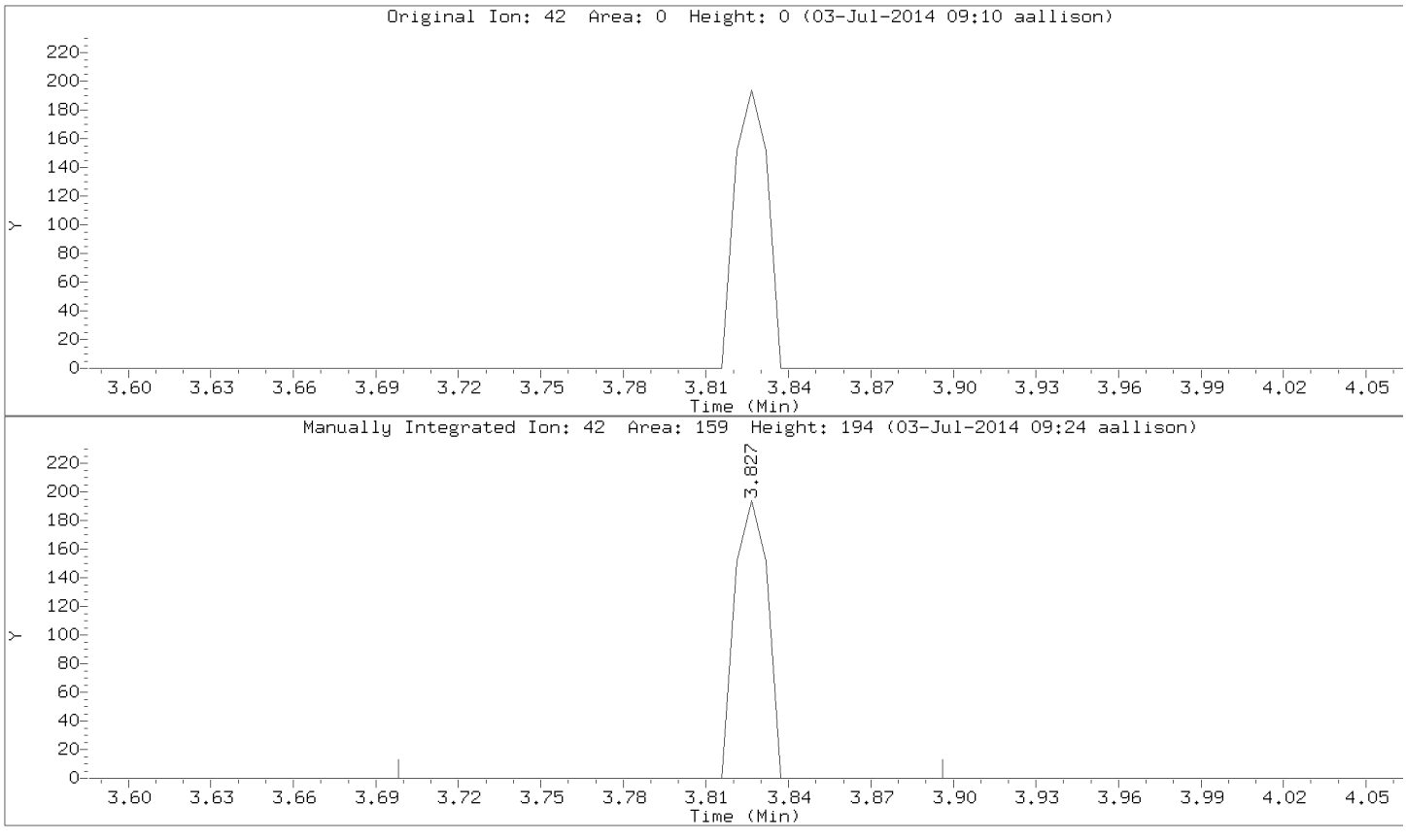

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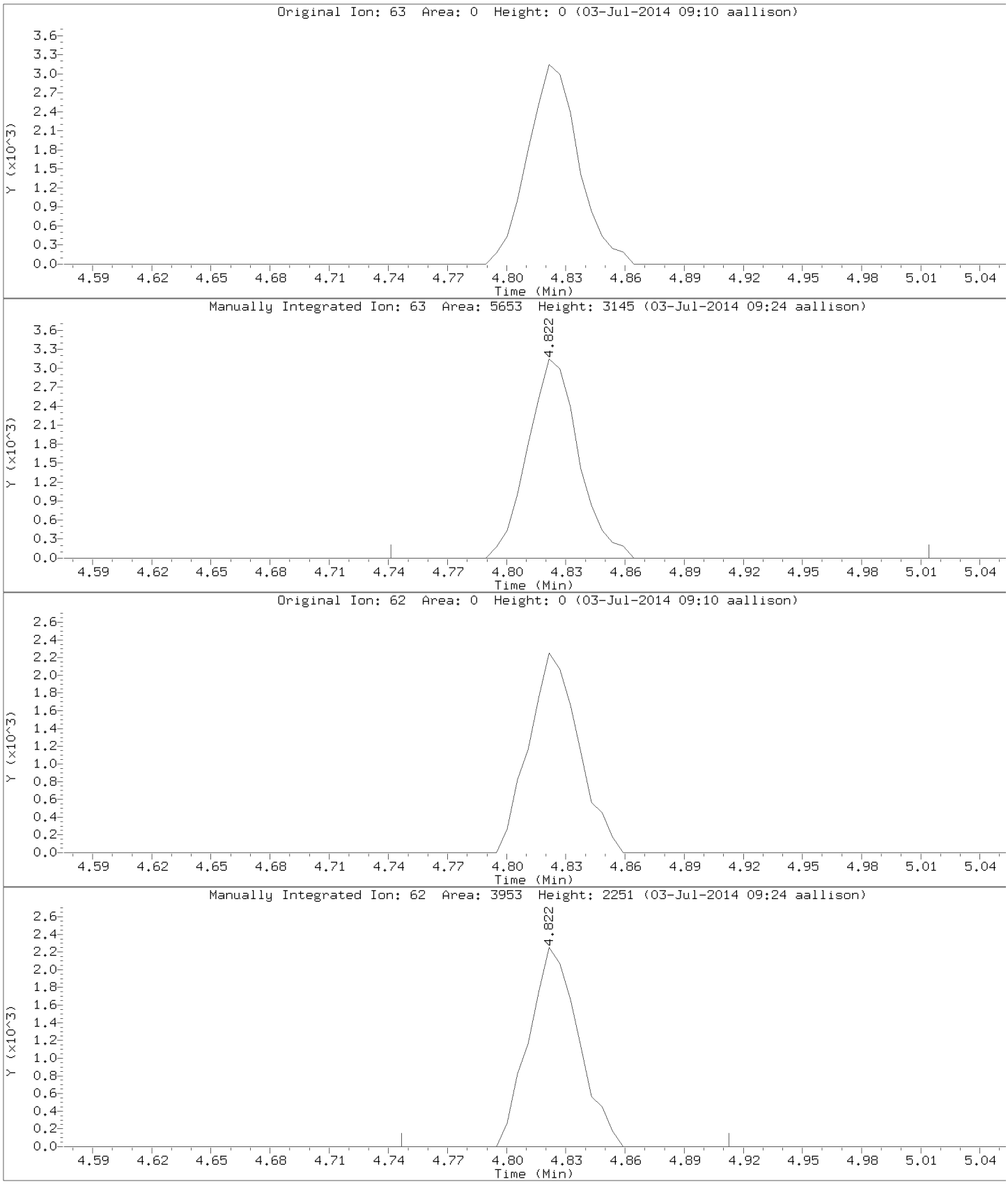
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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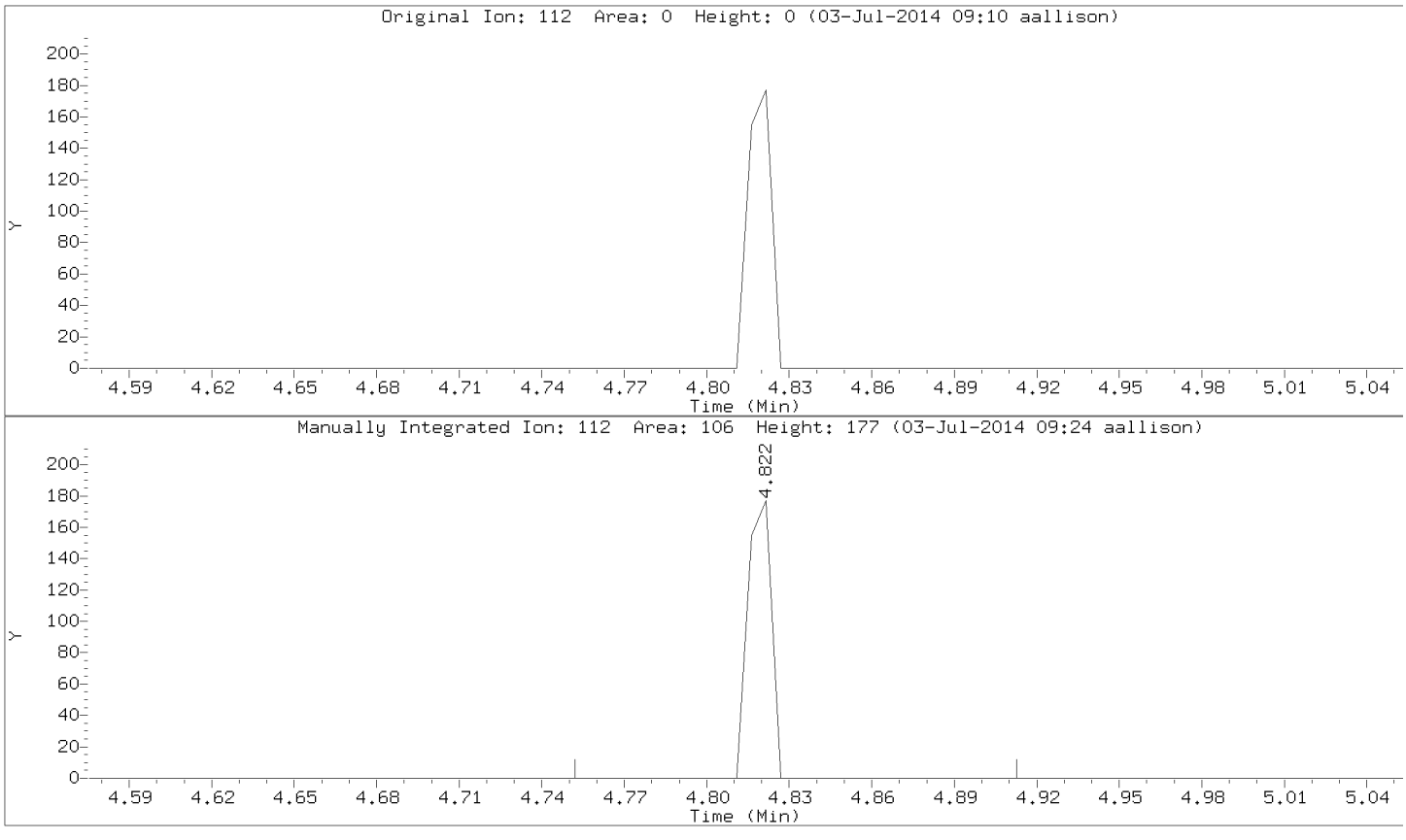

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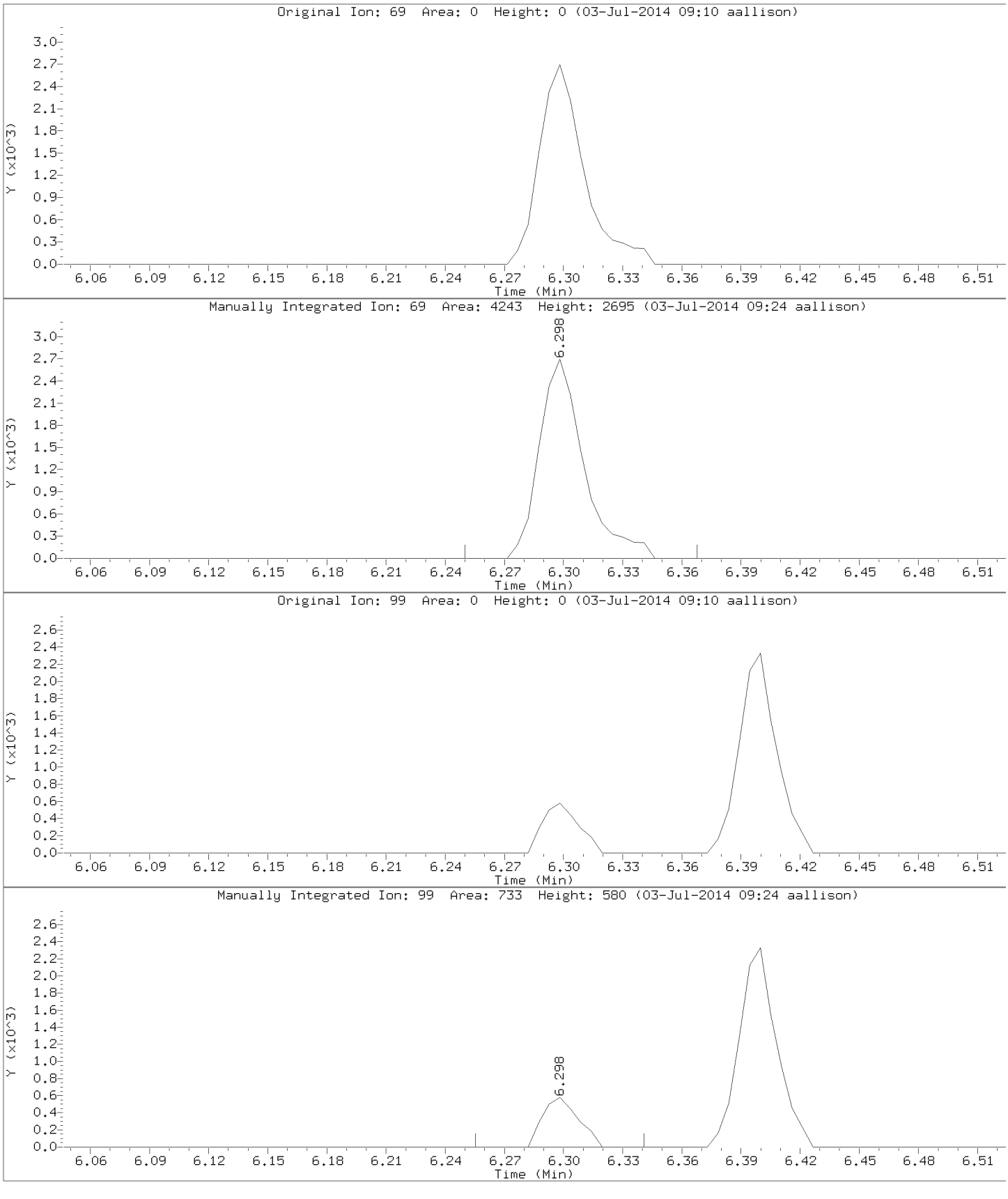
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Ethyl Methacrylate
CAS Number:



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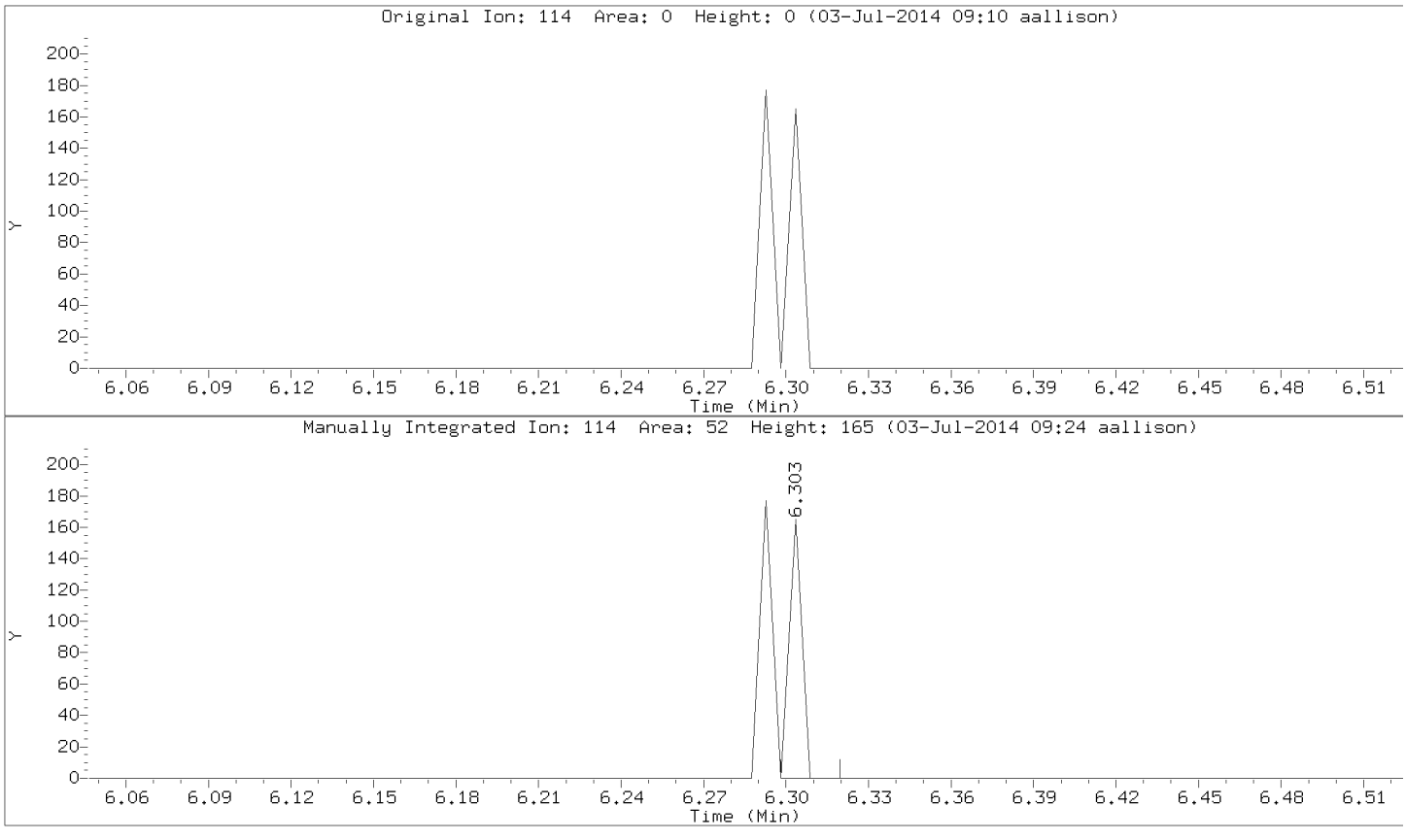
Lab Sample ID: 8260-CAL2



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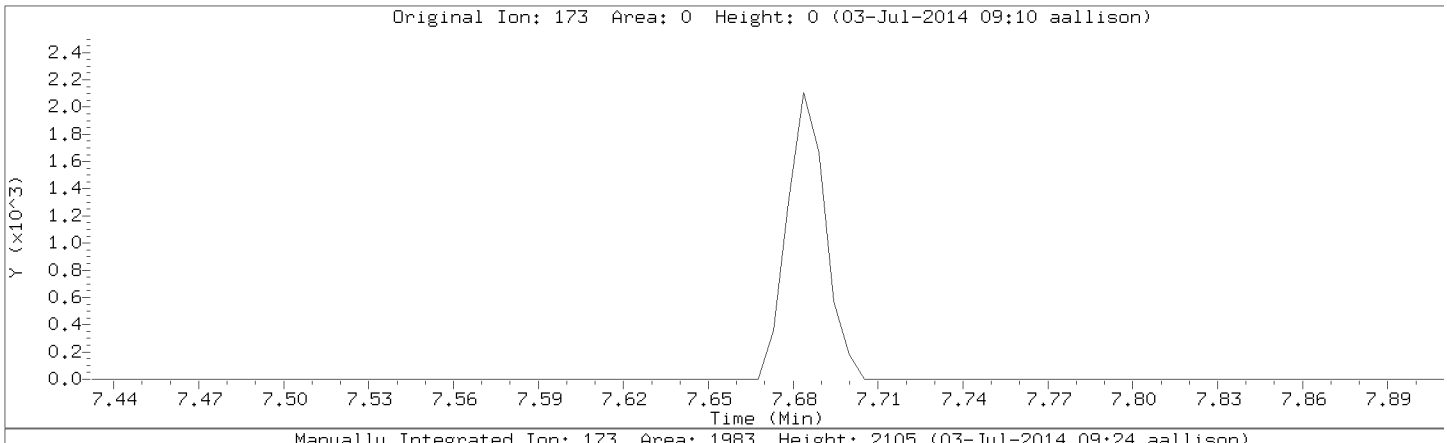
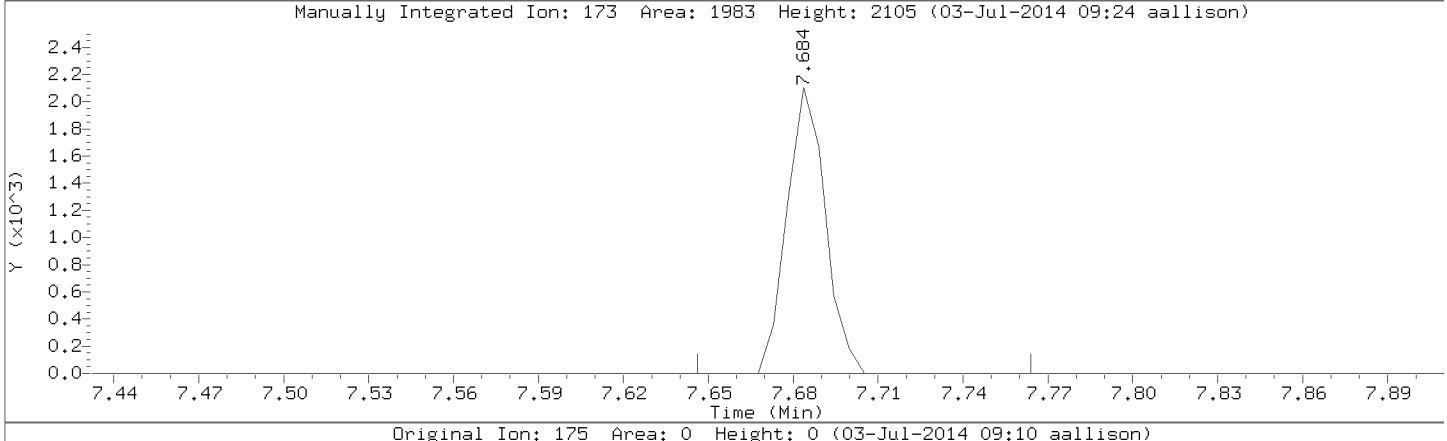
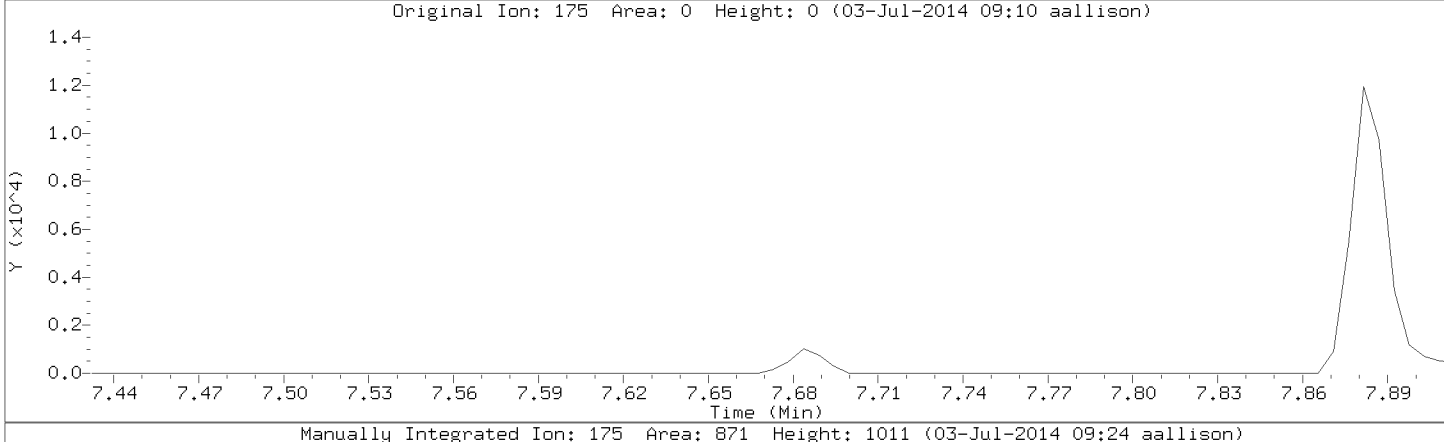
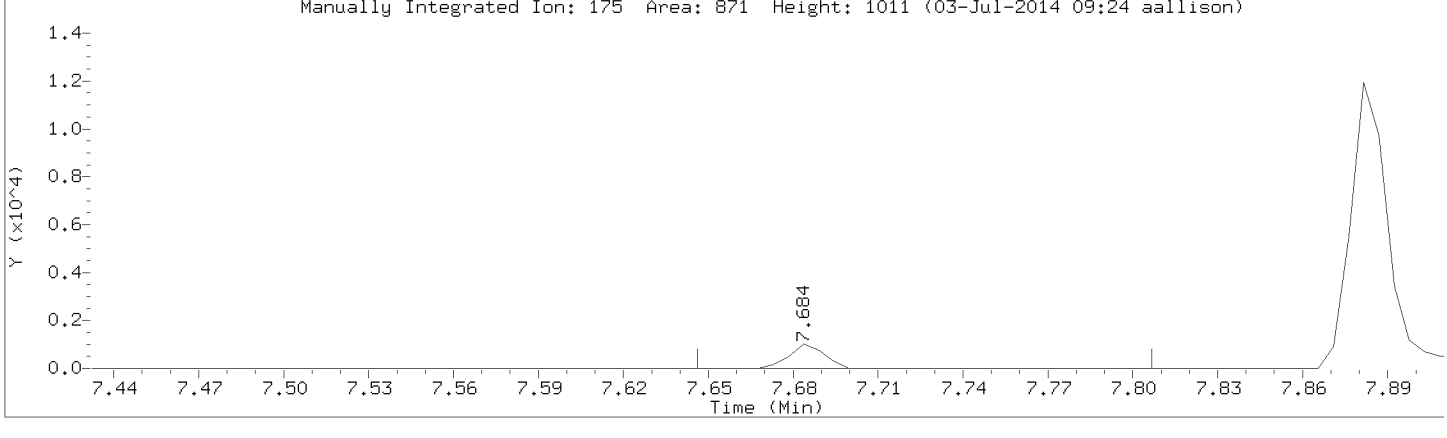
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Bromoform
CAS Number: 75-25-2









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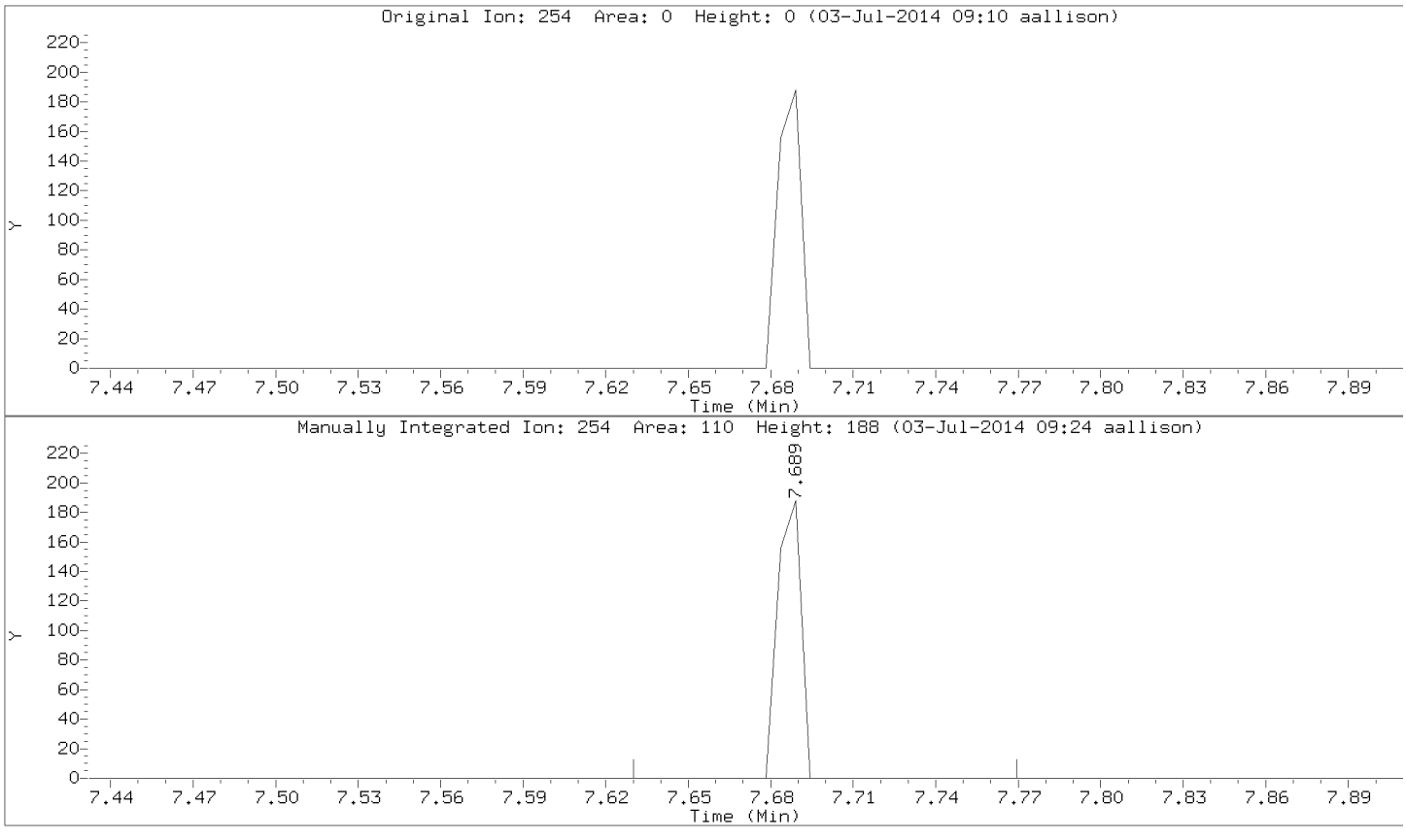

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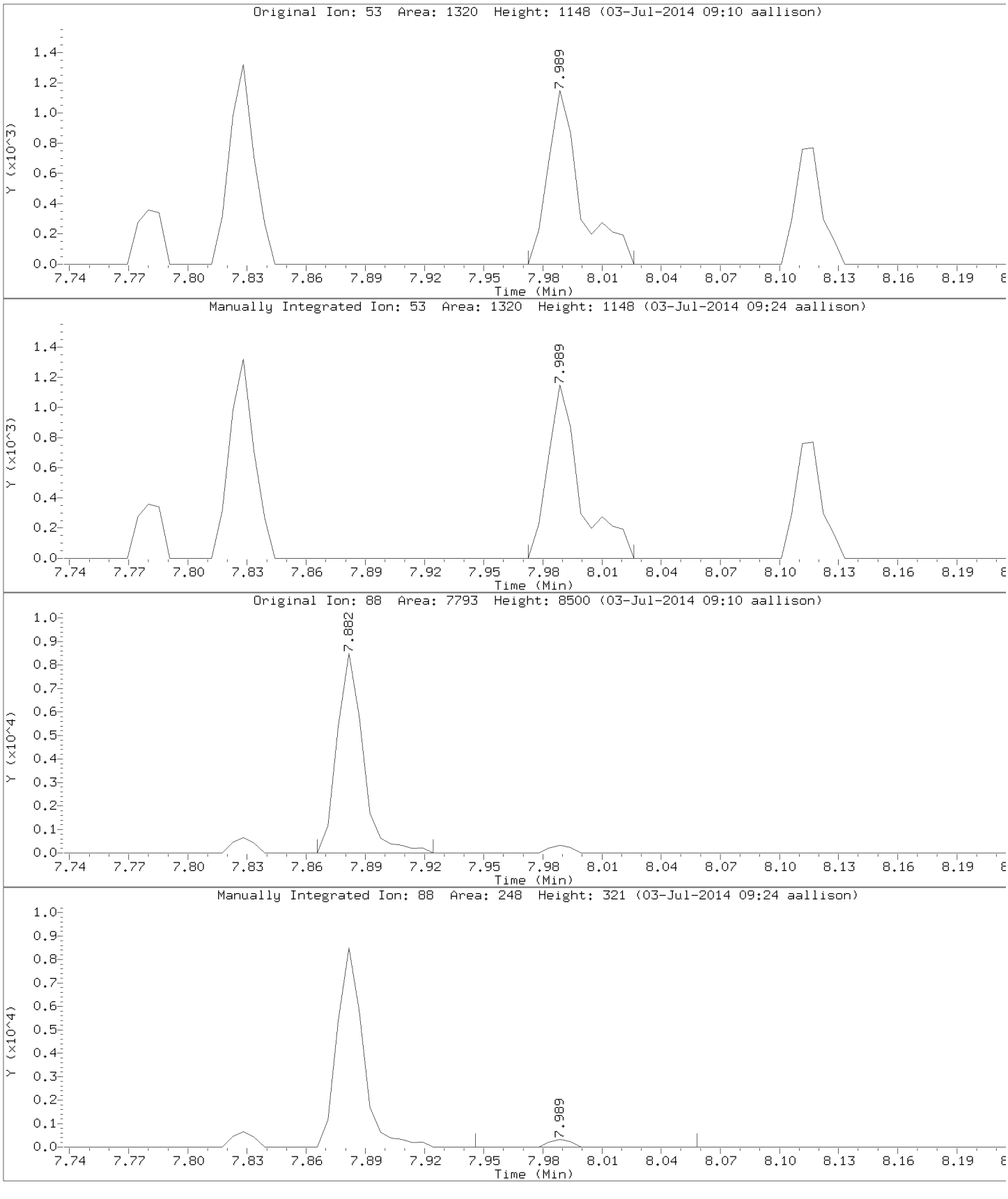
Injection Date: 02-JUL-2014 18:01
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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



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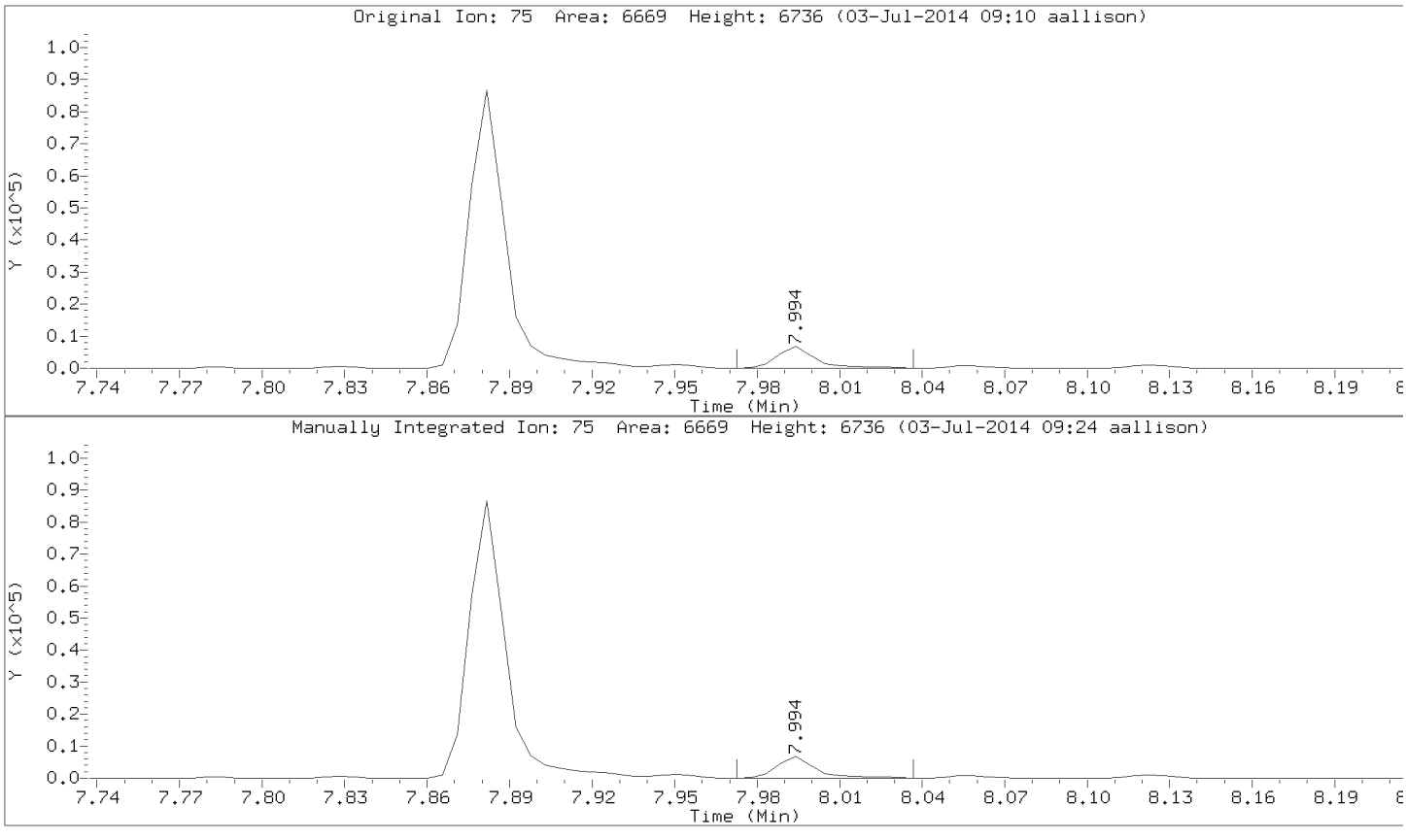


Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a06.d
Lab Smp Id: 8260-CAL3 Client Smp ID: 8260-CAL3
Inj Date : 02-JUL-2014 18:29
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal3,71818:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	22563	5.00000	4.80
2 Chloromethane	50	1.002	1.001	(0.246)	13555	5.00000	5.14
3 Vinyl Chloride	62	1.050	1.050	(0.258)	16894	5.00000	4.87
4 Bromomethane	94	1.189	1.189	(0.292)	15820	5.00000	6.75
5 Chloroethane	64	1.237	1.232	(0.304)	7802	5.00000	5.87(M)
6 Trichlorofluoromethane	101	1.344	1.339	(0.330)	28261	5.00000	5.02
8 Diethyl ether	74	1.462	1.462	(0.359)	7656	5.00000	4.85
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	19482	5.00000	4.54
9 Acrolein	56	1.537	1.536	(0.377)	26769	100.000	102
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	17675	5.00000	4.70
11 1,1-Dichloroethene	96	1.585	1.585	(0.389)	16008	5.00000	4.74(M)
12 Acetone	43	1.601	1.601	(0.393)	16353	25.0000	21.9
13 Iodomethane	142	1.670	1.670	(0.410)	20327	10.0000	6.75
14 Carbon Disulfide	76	1.713	1.713	(0.421)	77507	10.0000	8.98
16 Methyl Acetate	43	1.761	1.762	(0.433)	7195	5.00000	5.46
143 Acetonitrile	39	1.772	1.772	(0.435)	21520	5.00000	4.88
15 allyl chloride	41	1.772	1.772	(0.435)	30031	10.0000	10.9
17 Methylene Chloride	84	1.847	1.847	(0.454)	41706	5.00000	3.98(M)
18 tert-Butyl Alcohol	59	1.890	1.895	(0.464)	2695	10.0000	10.2(QM)
19 Acrylonitrile	53	1.981	1.980	(0.486)	137185	100.000	98.4
20 Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	73272	10.0000	9.35
21 1,2-Dichloroethene (trans)	96	2.013	2.013	(0.494)	22079	5.00000	4.60
22 n-Hexane	57	2.179	2.178	(0.535)	23796	5.00000	4.39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	56557	20.0000	17.2
	23 1,1-Dichloroethane	63	2.307	2.307	(0.567)	34624	5.00000	4.66
	147 chloroprene	53	2.355	2.355	(0.578)	23421	5.00000	5.08
	28 2-Butanone	43	2.751	2.751	(0.676)	32699	25.0000	24.4
	26 1,2-Dichloroethene (cis)	96	2.762	2.762	(0.678)	23806	5.00000	4.56
	27 2,2-Dichloropropane	77	2.762	2.767	(0.678)	12659	5.00000	4.12
	149 Propionitrile	54	2.810	2.815	(0.690)	2404	5.00000	4.73(Q)
	144 Methacrylonitrile	41	2.949	2.949	(0.724)	7188	5.00000	4.83
	30 Bromochloromethane	49	2.986	2.986	(0.733)	14491	5.00000	4.73
	31 Tetrahydrofuran	42	3.002	3.008	(0.737)	5623	5.00000	4.59
	32 Chloroform	83	3.093	3.088	(0.760)	34163	5.00000	4.57
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	144090	50.0000	49.9
	34 1,1,1-Trichloroethane	97	3.259	3.259	(0.800)	22193	5.00000	4.44
	35 Cyclohexane	56	3.329	3.329	(0.817)	27346	5.00000	4.63
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	16244	5.00000	4.55
	37 1,1-Dichloropropene	75	3.436	3.436	(0.844)	22475	5.00000	4.64
	39 Benzene	78	3.671	3.671	(0.901)	66833	5.00000	4.59
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	22201	5.00000	4.88
	38 Isobutyl alcohol	43	3.837	3.837	(0.942)	8910	5.00000	4.70
	141 2,2,4-Trimethylpentane	57	3.832	3.837	(0.941)	54537	5.00000	4.45
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	536000	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	17695	5.00000	4.62
	43 Methylcyclohexane	55	4.773	4.773	(1.172)	18426	5.00000	4.41
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	15241	5.00000	4.73(M)
	45 Dibromomethane	93	4.918	4.917	(1.208)	10953	5.00000	4.68
	142 1,4-Dioxane	88	4.928	4.928	(1.210)	4577	100.000	100
	46 Methyl methacrylate	69	4.934	4.934	(1.211)	6143	5.00000	4.18
	47 Bromodichloromethane	83	5.132	5.137	(1.260)	17680	5.00000	4.42
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	9166	10.0000	7.74
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	14379	5.00000	2.47
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	51386	25.0000	24.5
$	51 Toluene-d8	98	5.864	5.864	(0.822)	476201	50.0000	50.1
	52 Toluene	91	5.934	5.934	(0.832)	77325	5.00000	4.28
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	8465	5.00000	3.00
	54 Ethyl Methacrylate	69	6.298	6.298	(0.883)	11223	5.00000	3.87
	55 1,1,2-Trichloroethane	83	6.394	6.399	(0.896)	11108	5.00000	4.26
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	20603	5.00000	4.47
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	22423	5.00000	4.48
	58 2-Hexanone	43	6.608	6.608	(0.926)	40106	25.0000	24.4
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	10787	5.00000	4.14
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	12880	5.00000	4.46
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	429559	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	53985	5.00000	4.63
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.014)	9877	5.00000	4.32(Q)
	64 Ethylbenzene	106	7.229	7.234	(1.014)	28751	5.00000	4.72
	65 m&p-Xylene	106	7.325	7.325	(1.027)	75650	10.0000	9.22
	67 o-Xylene	106	7.560	7.560	(1.060)	35241	5.00000	4.93
	68 Styrene	104	7.576	7.576	(1.062)	56166	5.00000	4.93
	69 Bromoform	173	7.683	7.683	(0.905)	5409	5.00000	3.24(M)
	70 Isopropylbenzene	105	7.780	7.785	(1.091)	84250	5.00000	4.84
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	188413	50.0000	52.7
	74 Bromobenzene	77	7.951	7.951	(1.115)	30821	5.00000	4.87
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	18088	5.00000	4.58
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	3306	5.00000	4.41

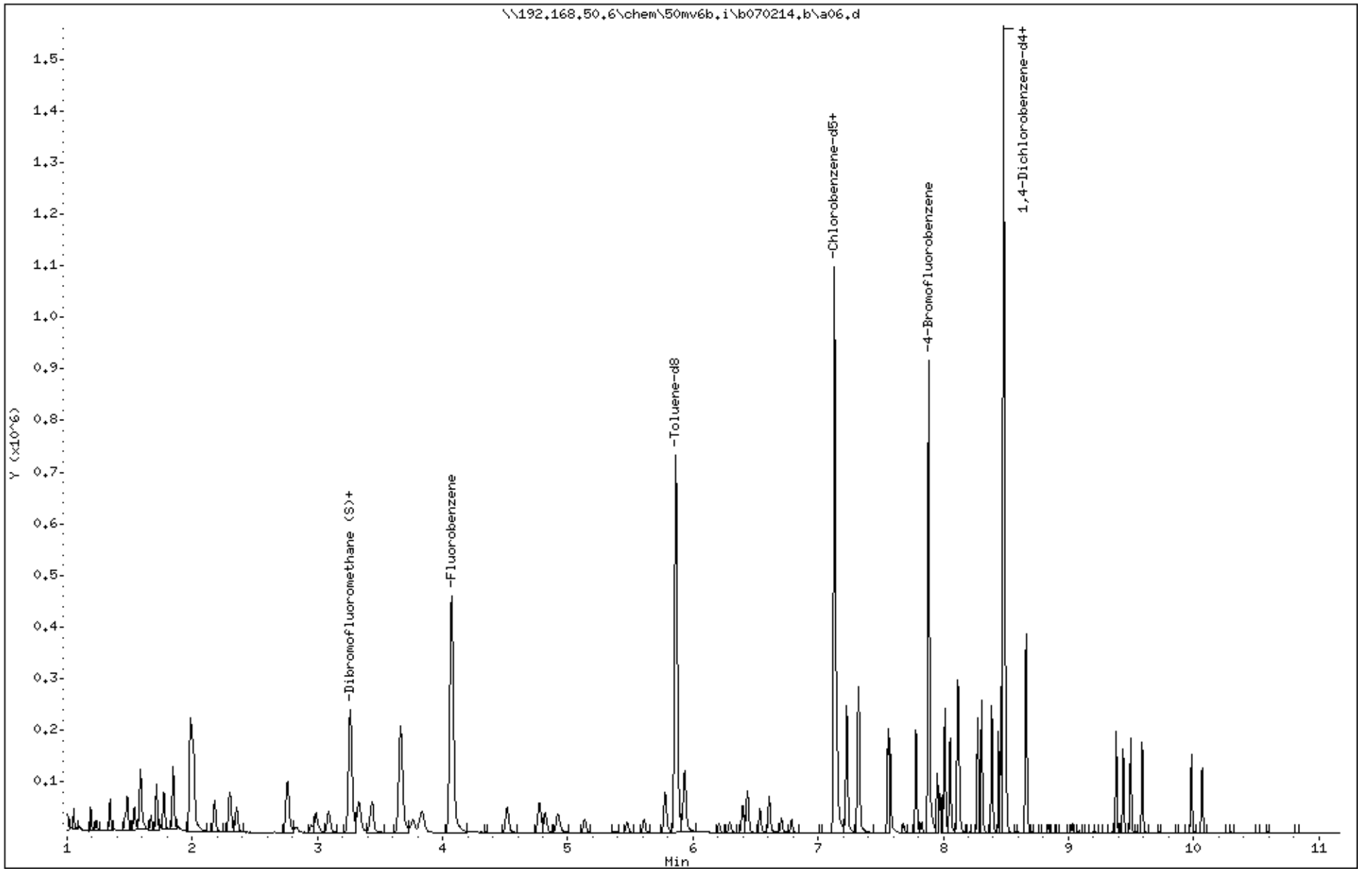
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	5361	5.00000	4.63
76	n-Propylbenzene	91	8.015	8.015	(0.945)	102709	5.00000	4.57
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	68467	5.00000	4.80
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	74322	5.00000	4.88
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	24425	5.00000	4.52
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	80079	5.00000	5.03
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	77697	5.00000	4.77
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	99122	5.00000	4.87
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	46683	5.00000	4.68
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	85421	5.00000	5.05
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	247665	50.0000	
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	48779	5.00000	4.56
87	n-Butylbenzene	91	8.657	8.657	(1.020)	76037	5.00000	4.98
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	43552	5.00000	4.77
89	1,2-Dibromo-3-chloropropane	155	9.032	9.031	(1.064)	2109	5.00000	4.83
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	28932	5.00000	4.76
91	Hexachlorobutadiene	225	9.438	9.443	(1.112)	14937	5.00000	5.99
92	Naphthalene	128	9.497	9.497	(1.119)	75406	5.00000	4.65
93	1,2,3-Trichlorobenzene	180	9.588	9.593	(1.130)	27549	5.00000	5.86
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	39098	5.00000	5.52
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	31247	5.00000	3.81

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a06.d
Date : 02-JUL-2014 18:29
Client ID: 8260-CAL3
Sample Info: 8260-CAL3,71818:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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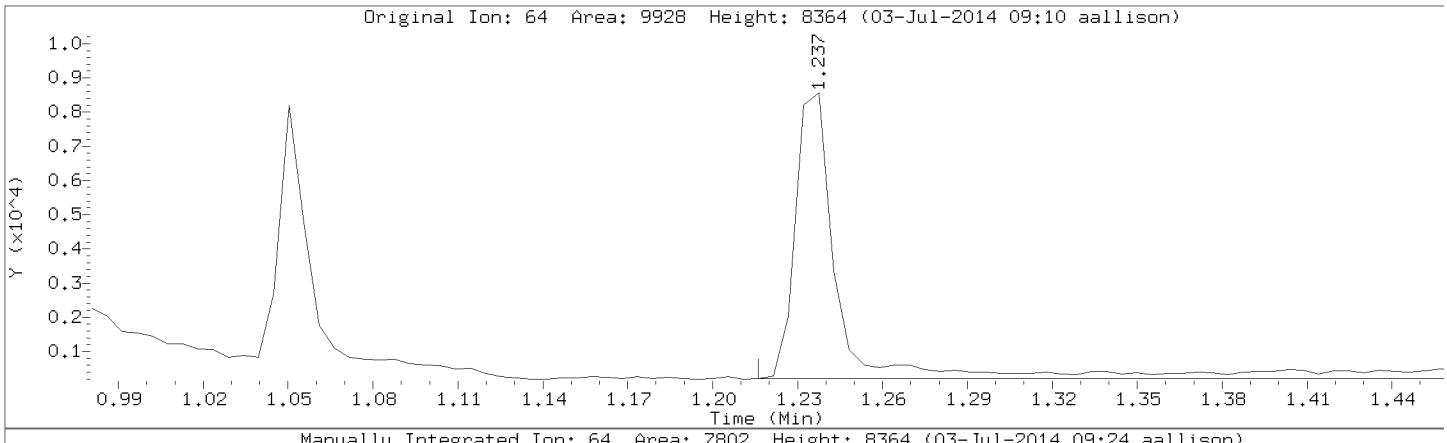
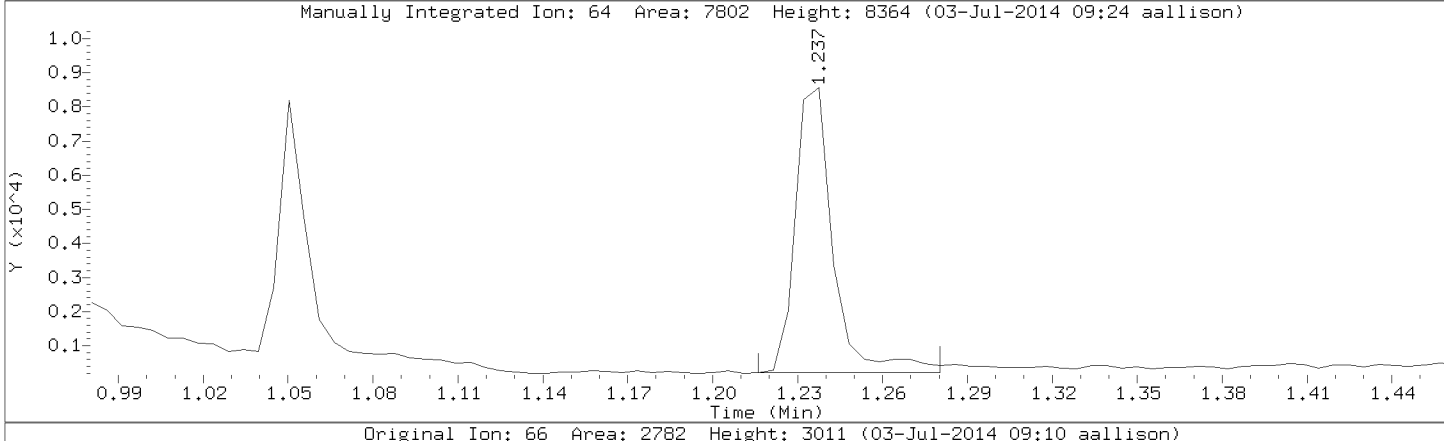
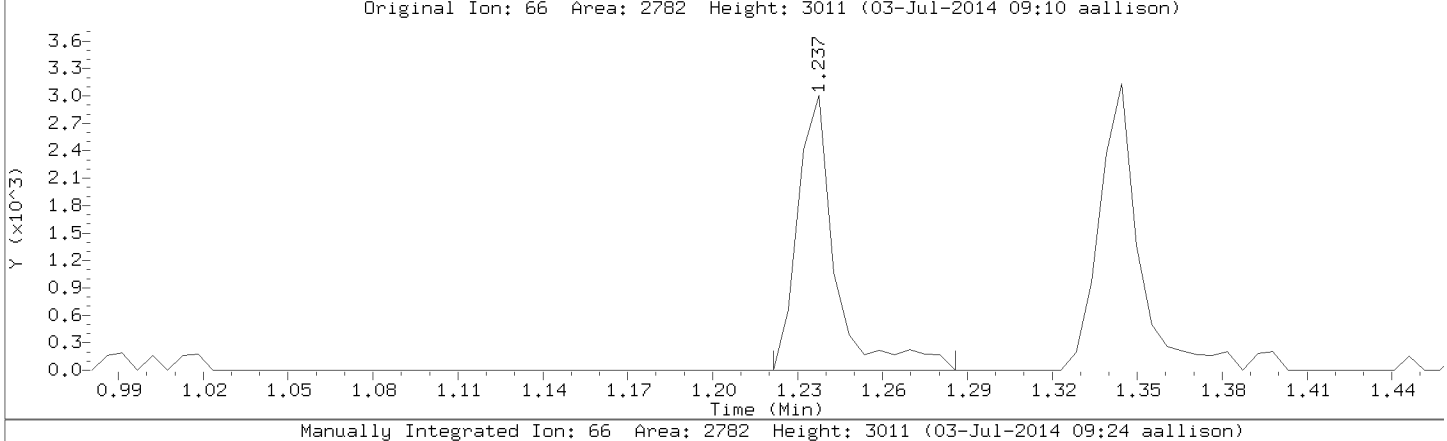
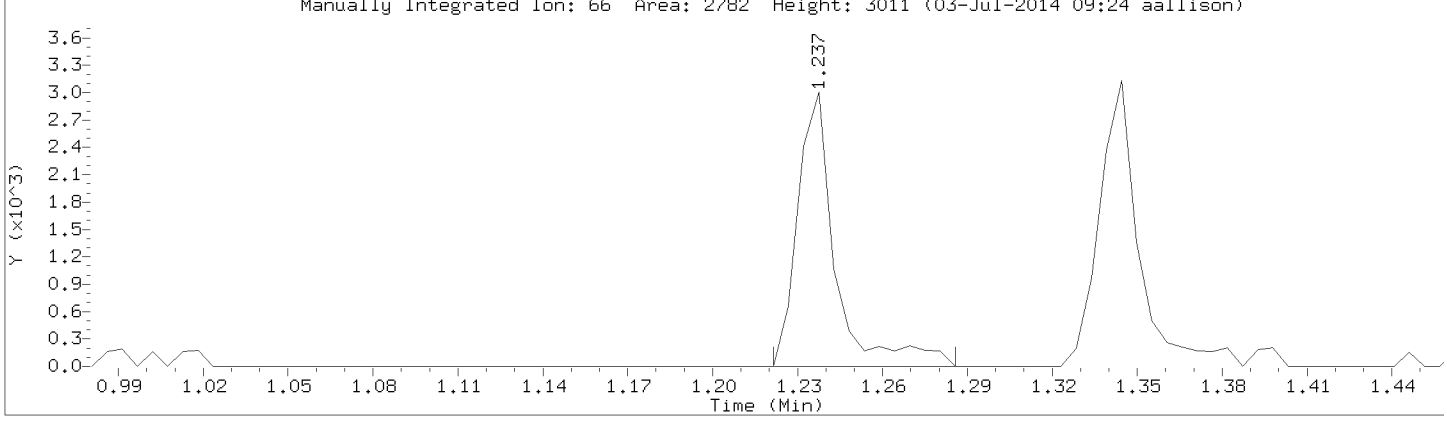
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Chloroethane
CAS Number: 75-00-3









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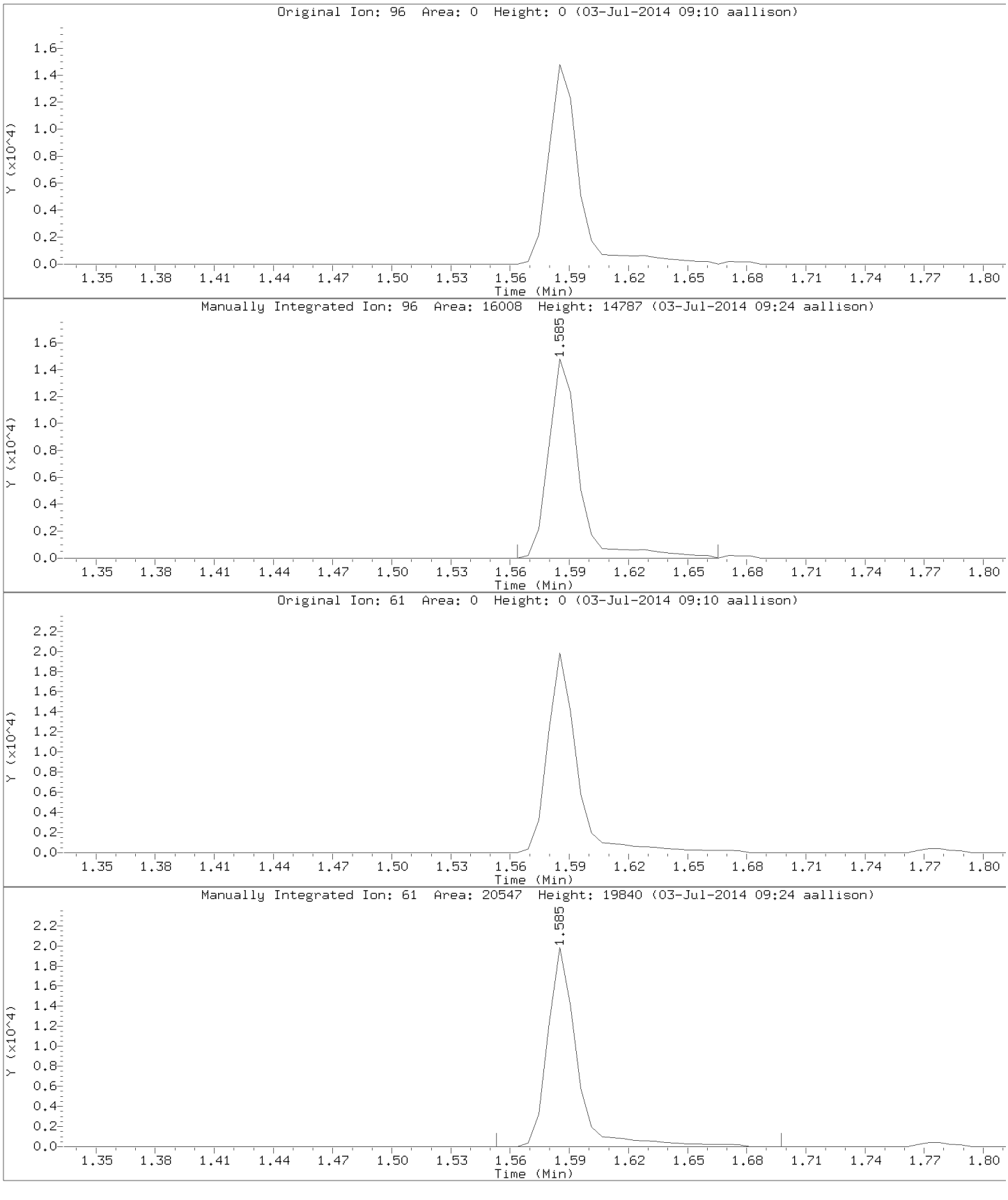
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

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



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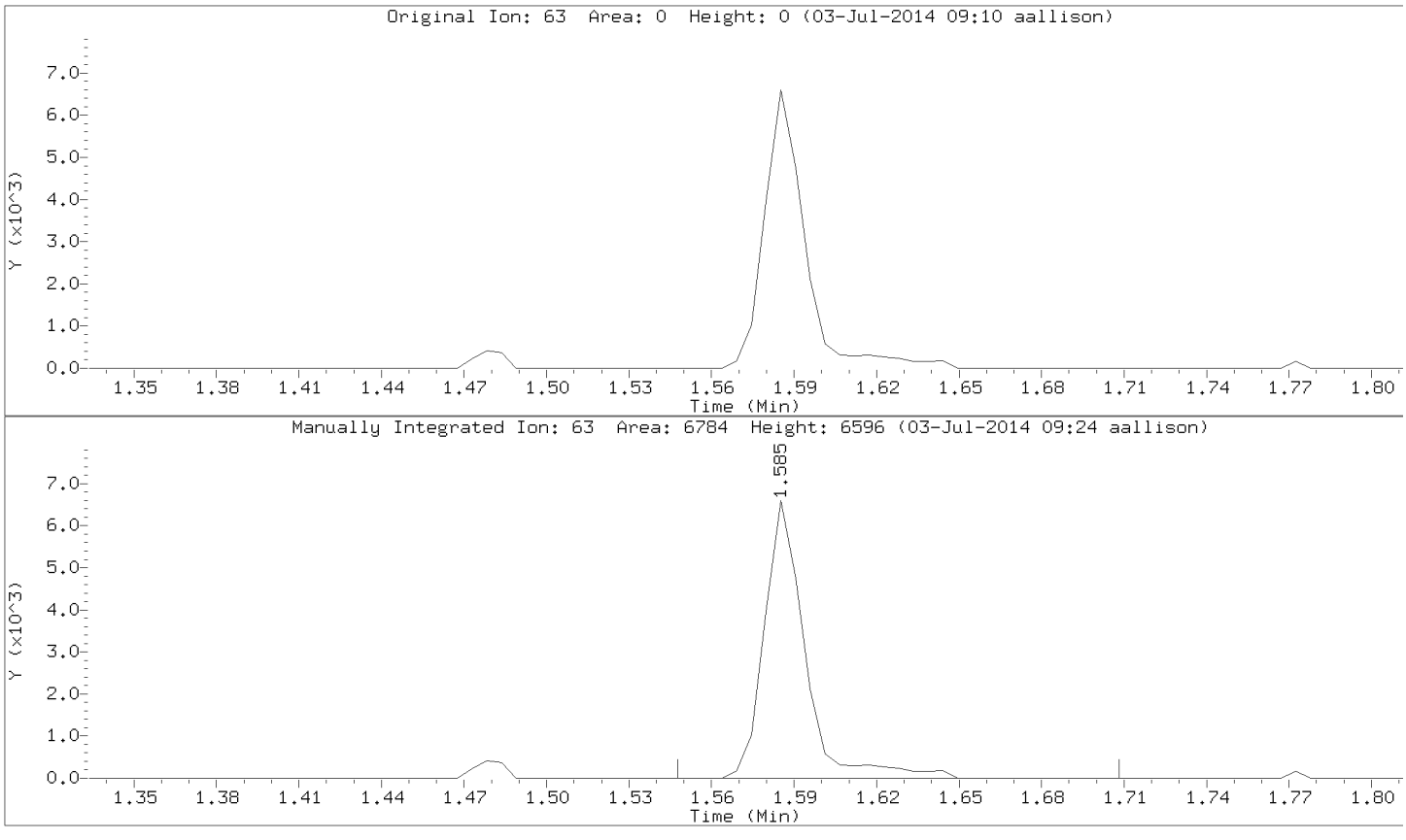
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3



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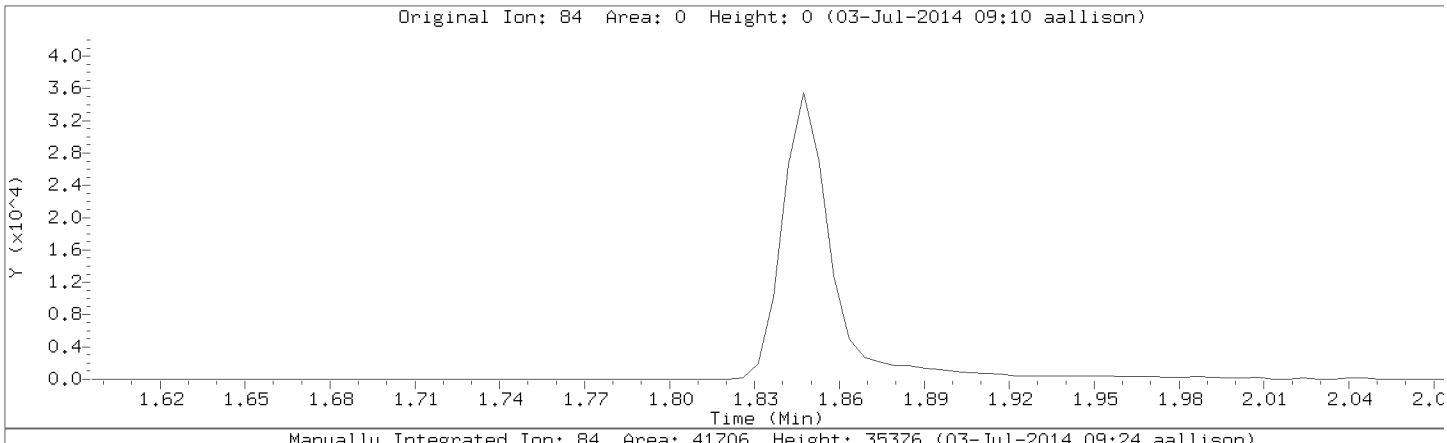
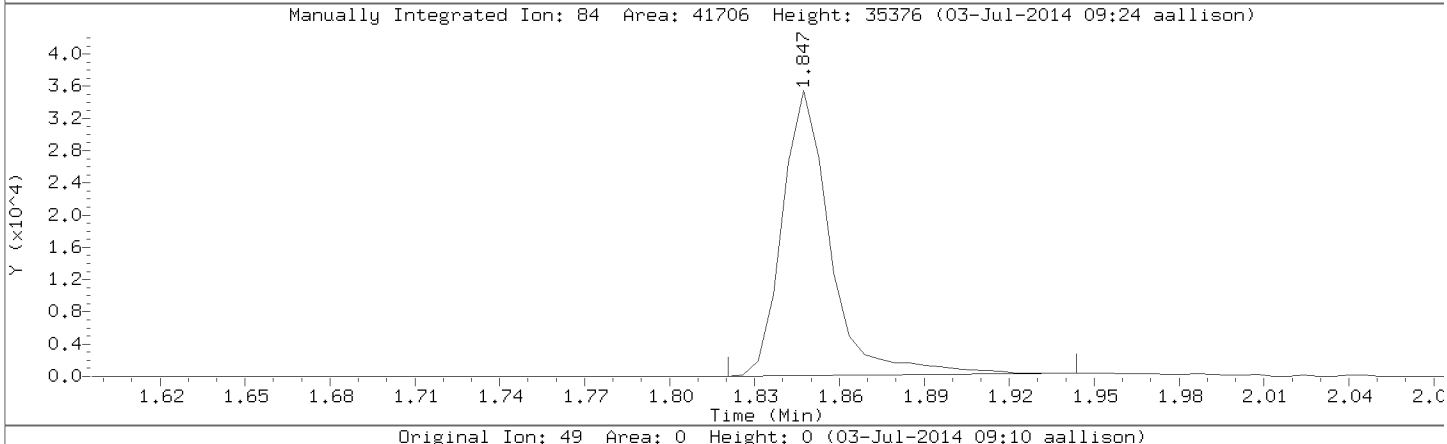
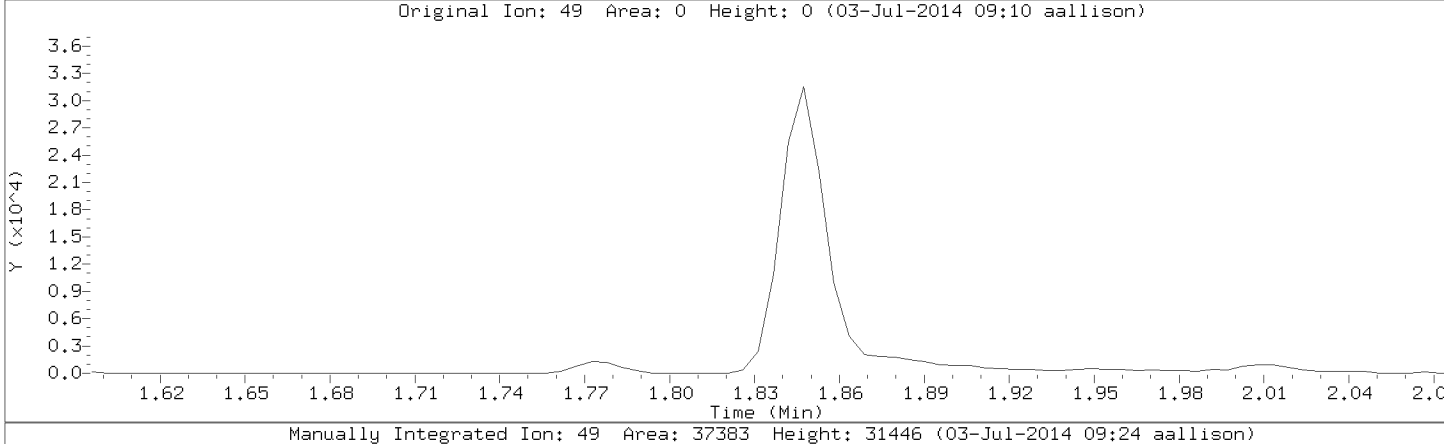
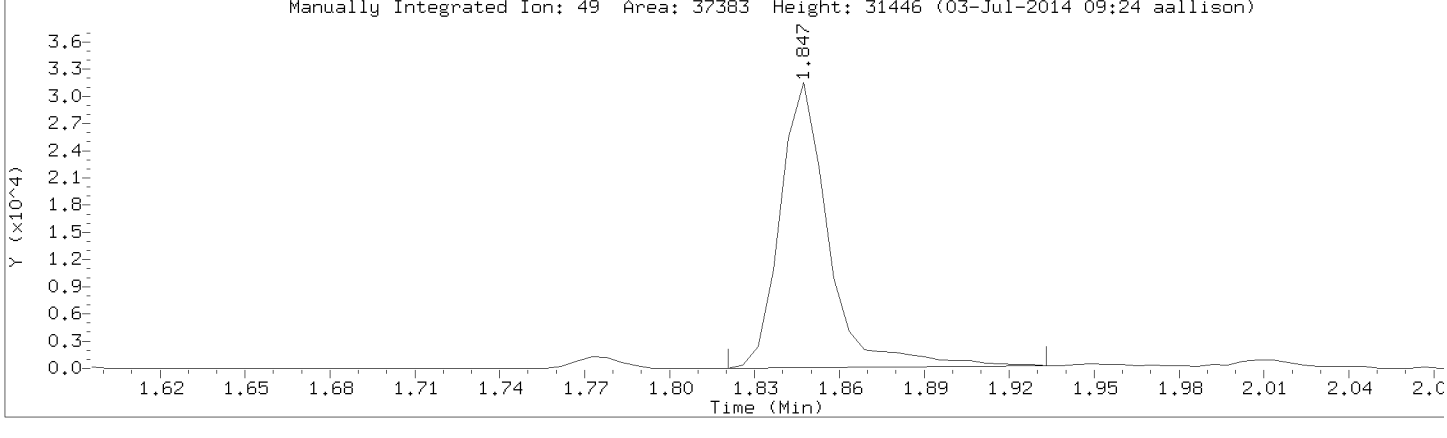
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Methylene Chloride
CAS Number: 75-09-2









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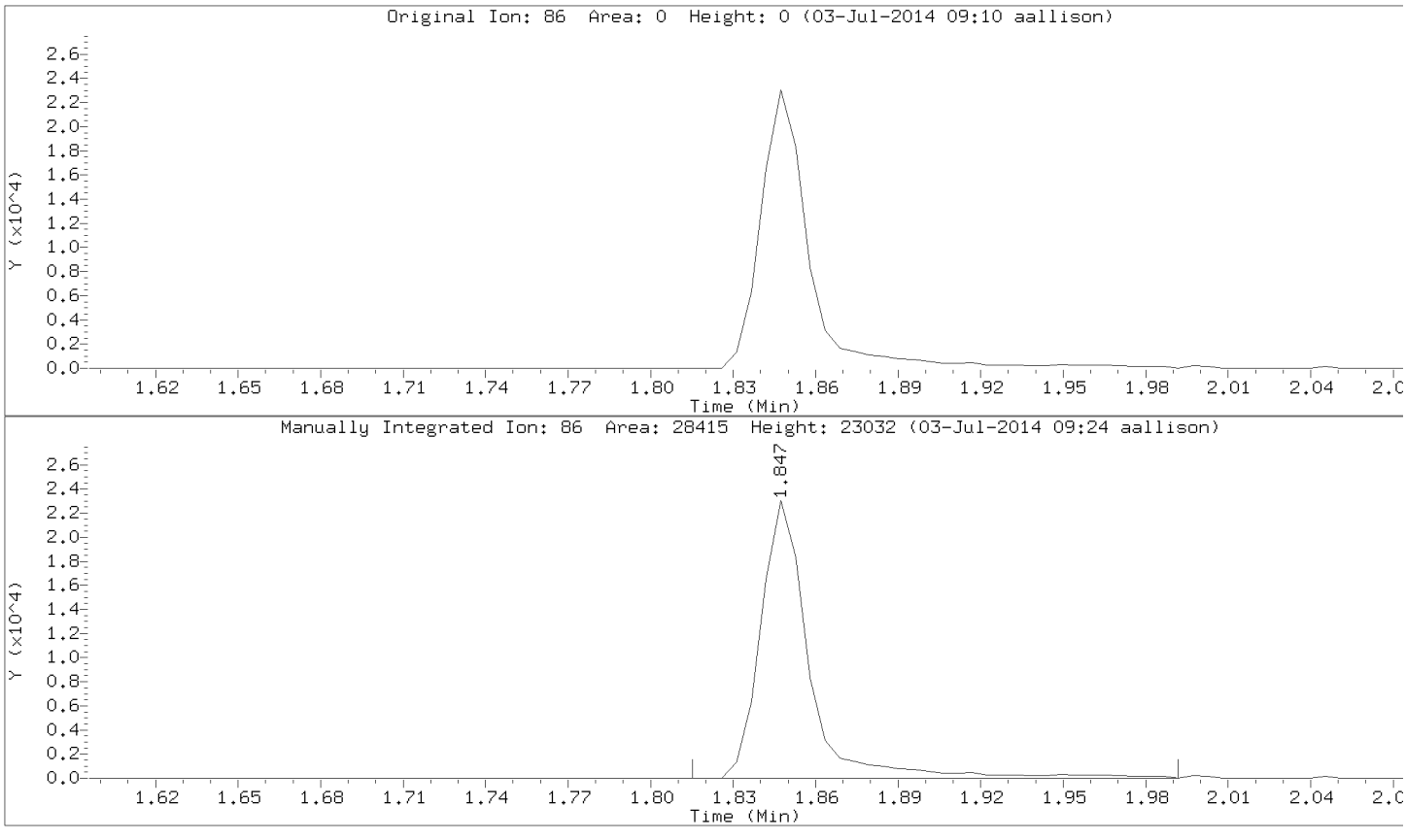
Lab Sample ID: 8260-CAL3



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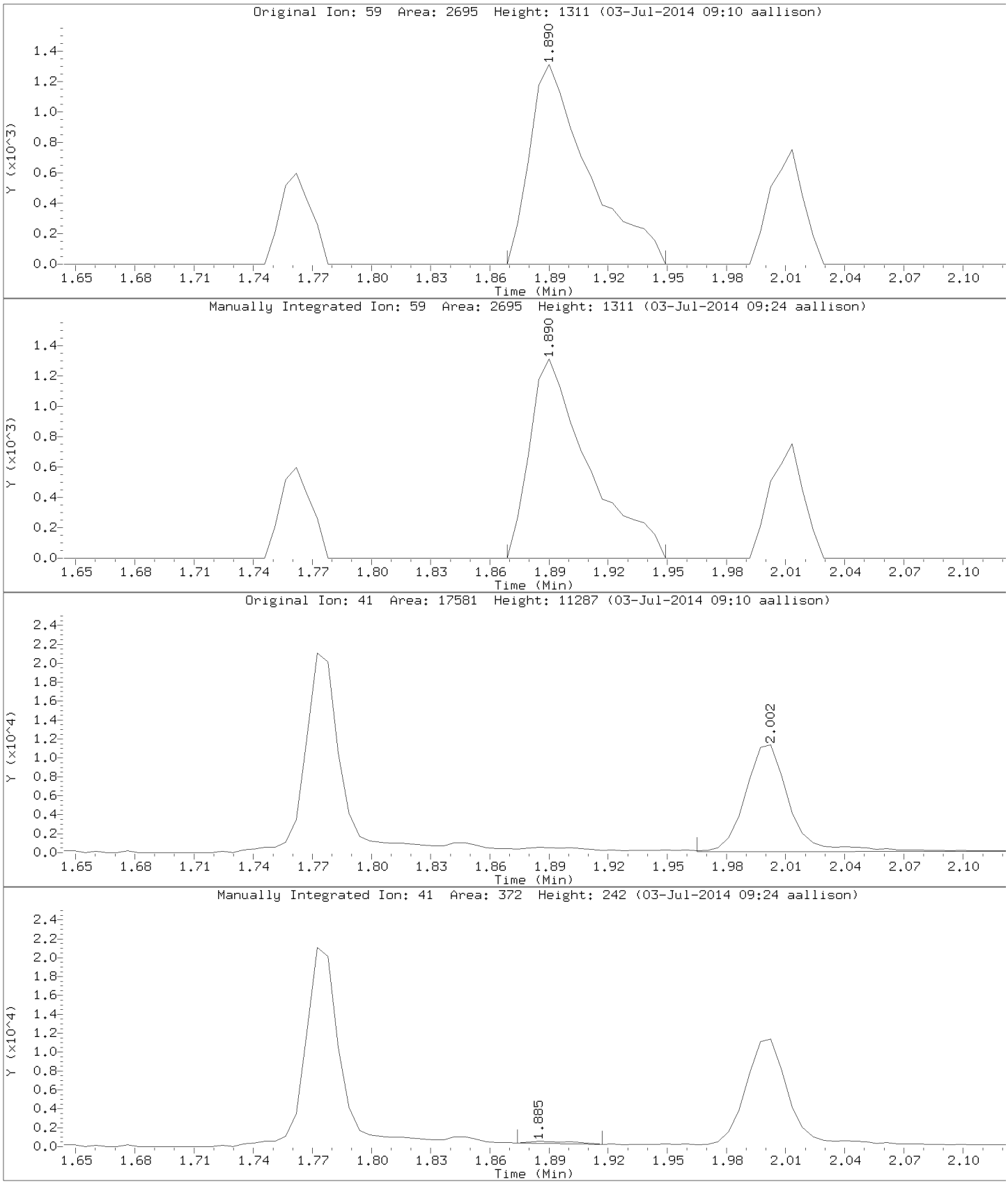
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

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



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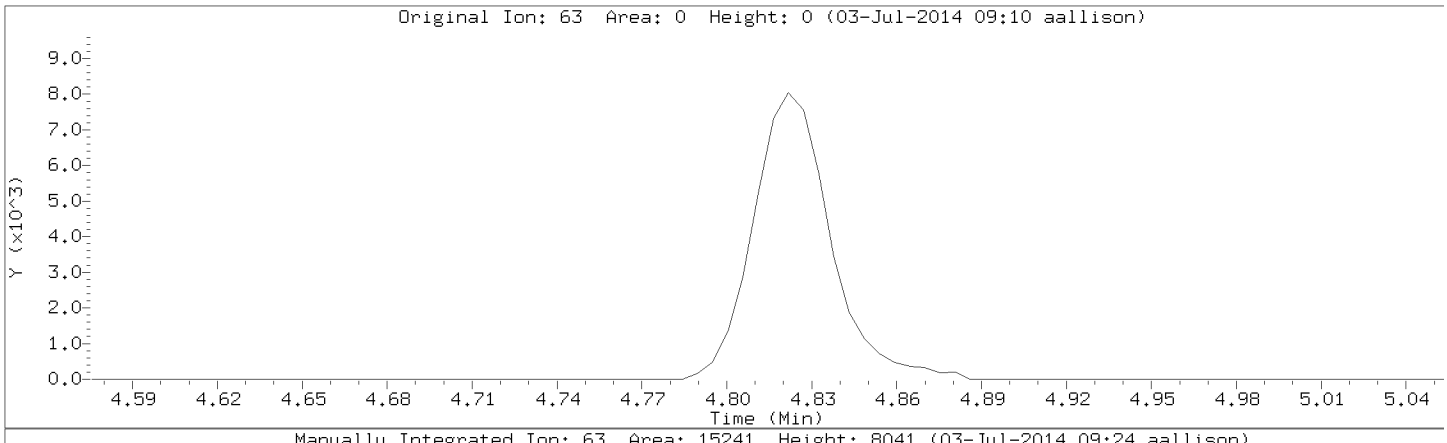
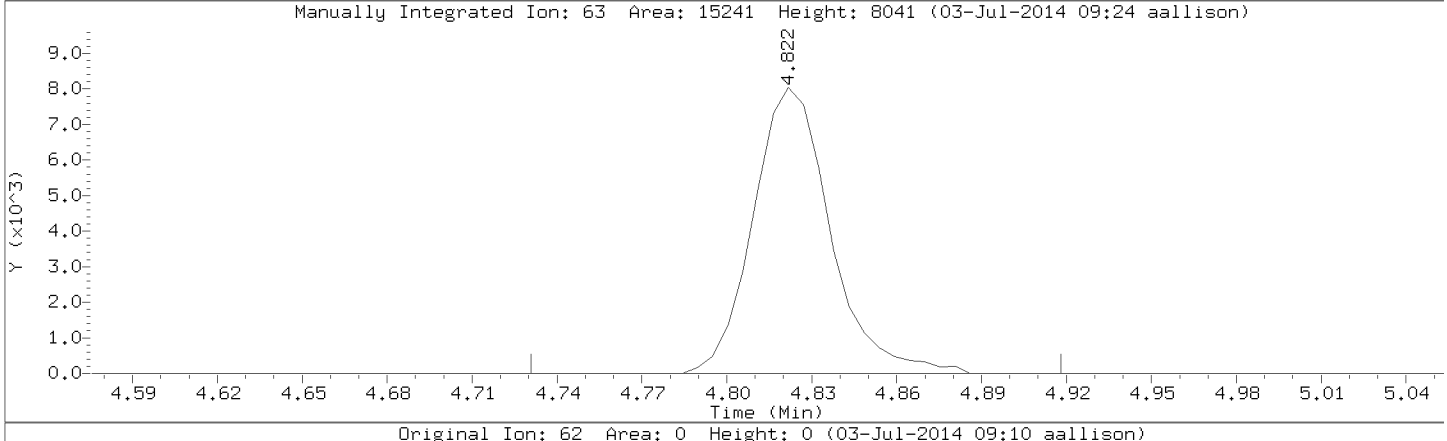
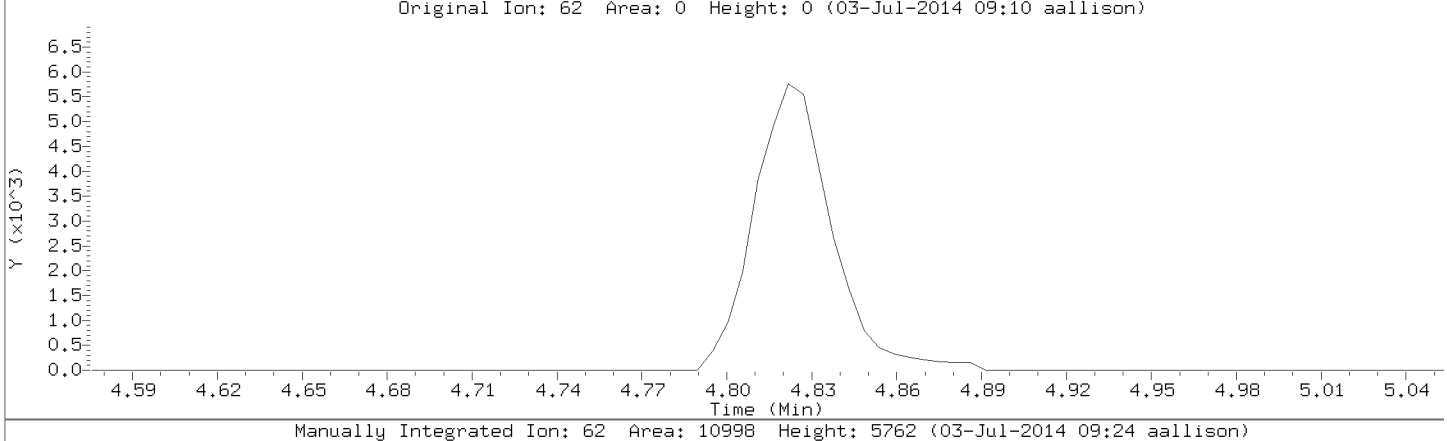
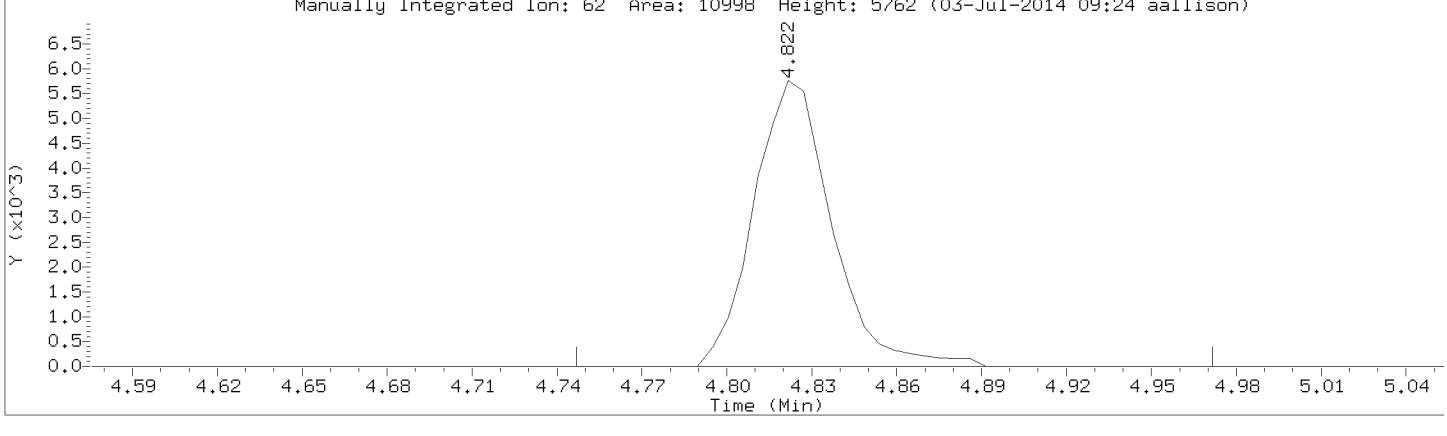
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5









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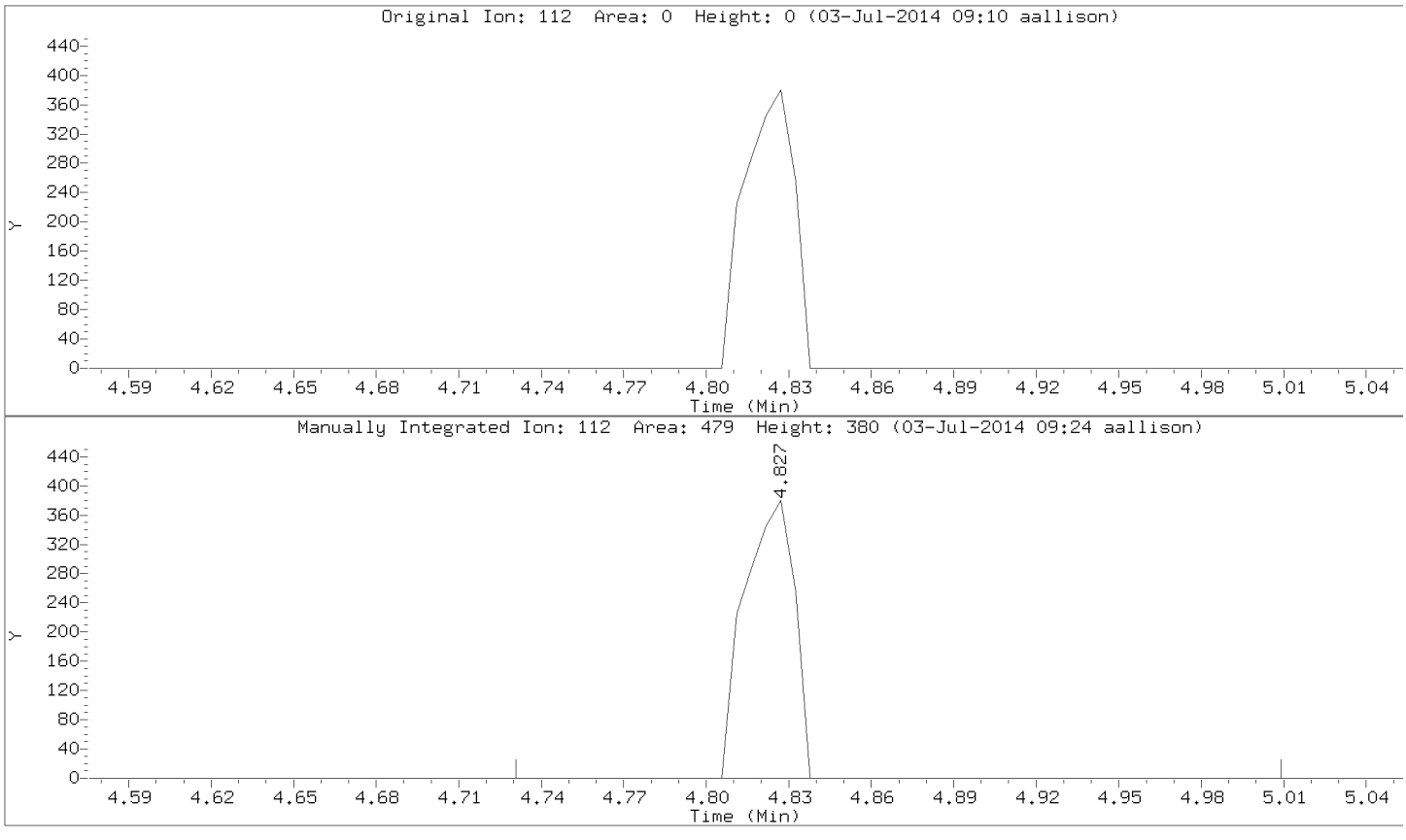
Lab Sample ID: 8260-CAL3



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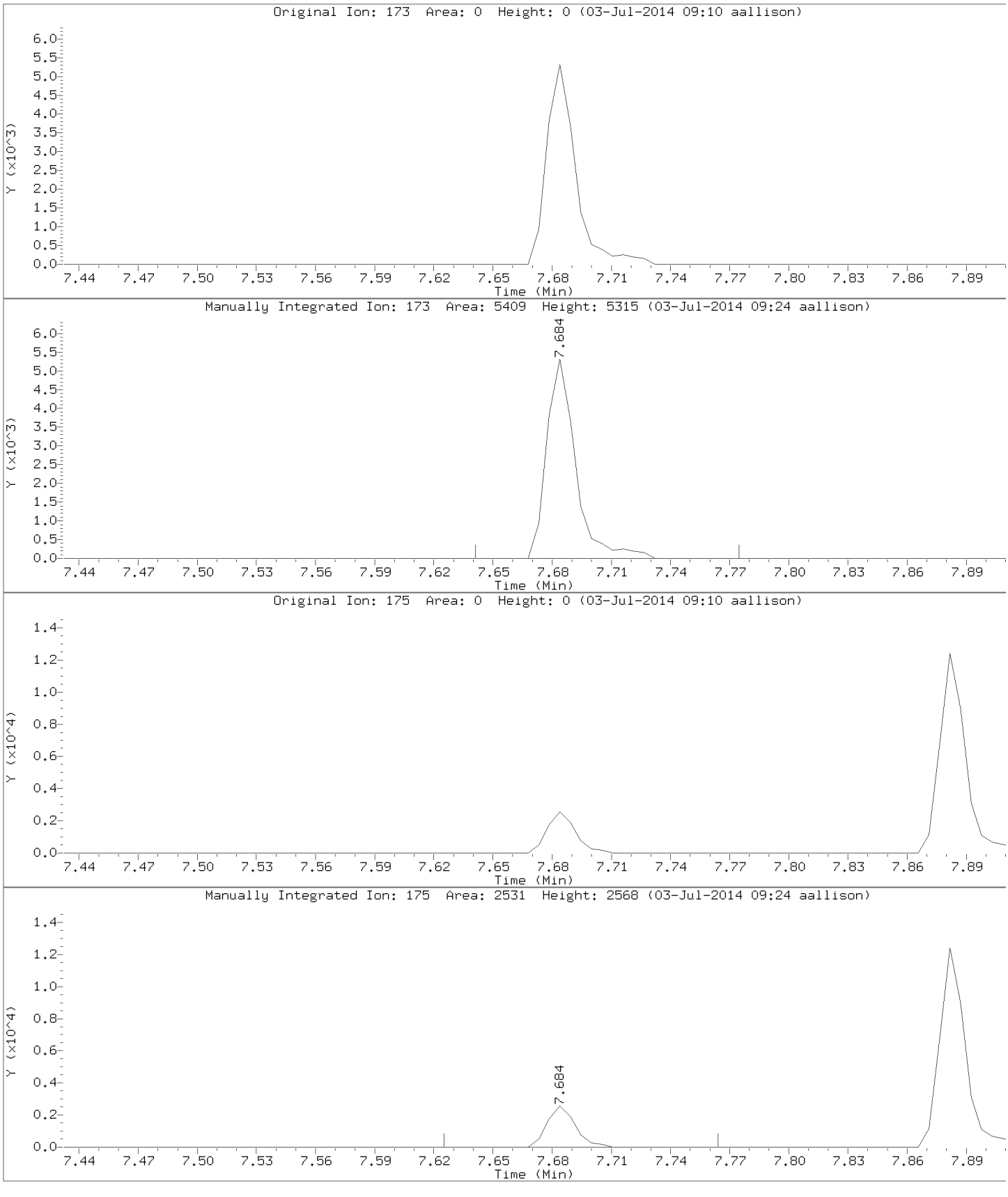
Injection Date: 02-JUL-2014 18:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Bromoform
CAS Number: 75-25-2



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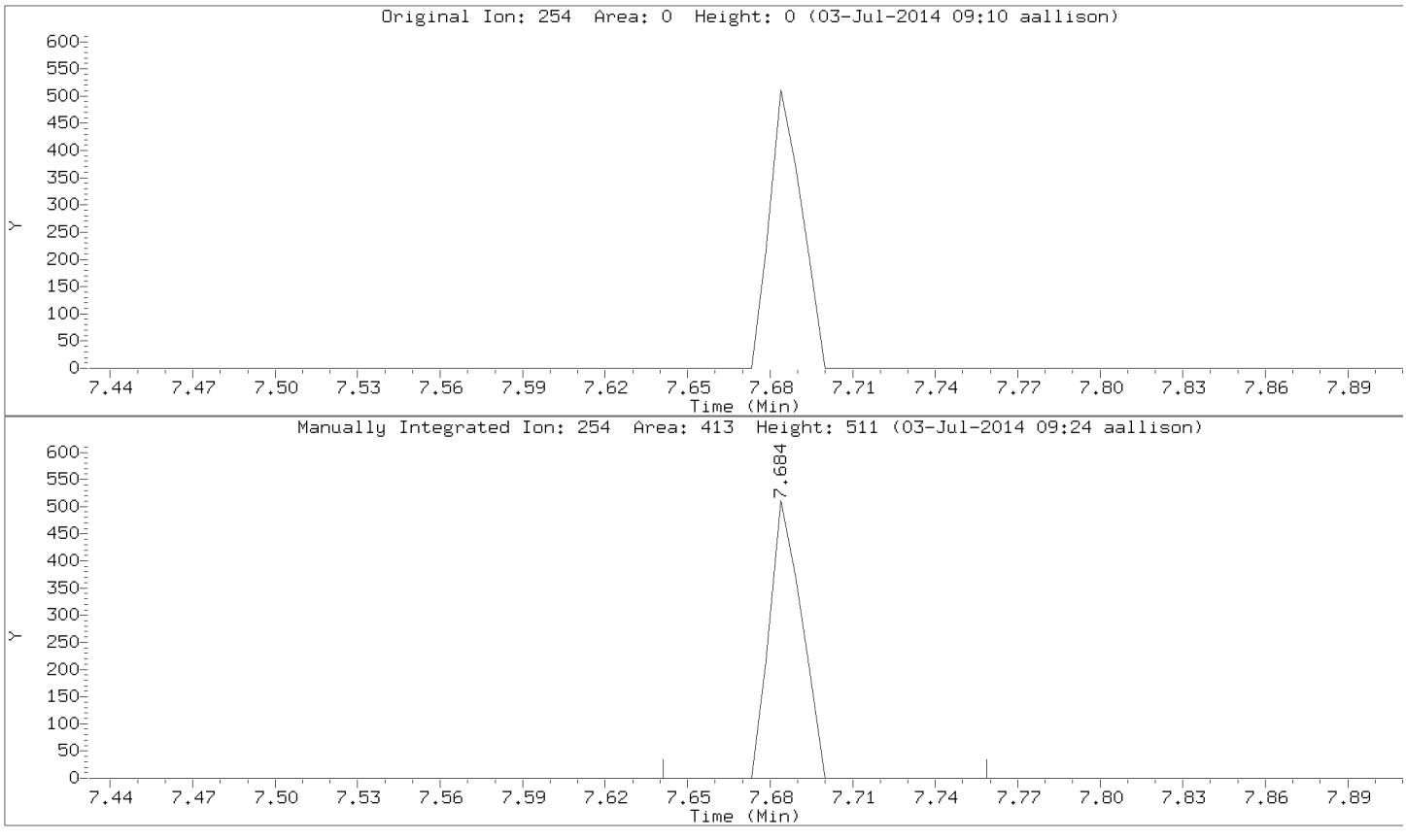
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a07.d
Lab Smp Id: 8260-CAL4 Client Smp ID: 8260-CAL4
Inj Date : 02-JUL-2014 18:56
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal4,71819:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 8 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 CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	49645	10.0000	10.2
2 Chloromethane	50	1.001	1.001	(0.246)	27969	10.0000	10.0
3 Vinyl Chloride	62	1.050	1.050	(0.258)	37082	10.0000	10.3
4 Bromomethane	94	1.189	1.189	(0.292)	30576	10.0000	11.2
5 Chloroethane	64	1.231	1.232	(0.302)	17111	10.0000	11.6
6 Trichlorofluoromethane	101	1.344	1.339	(0.330)	59624	10.0000	10.1
8 Diethyl ether	74	1.461	1.462	(0.359)	19608	10.0000	12.0
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	51950	10.0000	11.8
9 Acrolein	56	1.536	1.536	(0.377)	54019	200.000	196
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	47814	10.0000	12.3
11 1,1-Dichloroethene	96	1.585	1.585	(0.389)	41715	10.0000	12.0
12 Acetone	43	1.601	1.601	(0.393)	39374	50.0000	52.6
13 Iodomethane	142	1.670	1.670	(0.410)	65446	20.0000	23.3
14 Carbon Disulfide	76	1.713	1.713	(0.421)	204849	20.0000	23.3
16 Methyl Acetate	43	1.761	1.762	(0.433)	16115	10.0000	11.3
143 Acetonitrile	39	1.772	1.772	(0.435)	49842	10.0000	10.9
15 allyl chloride	41	1.772	1.772	(0.435)	73244	20.0000	24.7
17 Methylene Chloride	84	1.847	1.847	(0.454)	65277	10.0000	6.39
18 tert-Butyl Alcohol	59	1.889	1.895	(0.464)	6111	20.0000	22.0(M)
19 Acrylonitrile	53	1.980	1.980	(0.486)	333528	200.000	230
20 Methyl-tert-butyl ether	73	1.996	2.002	(0.490)	201385	20.0000	25.0
21 1,2-Dichloroethene (trans)	96	2.007	2.013	(0.493)	58949	10.0000	12.1
22 n-Hexane	57	2.178	2.178	(0.535)	70419	10.0000	12.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	140748	40.0000	42.8
	23 1,1-Dichloroethane	63	2.307	2.307	(0.567)	88673	10.0000	11.6
	147 chloroprene	53	2.355	2.355	(0.578)	63446	10.0000	13.1
	28 2-Butanone	43	2.751	2.751	(0.676)	81538	50.0000	58.7
	26 1,2-Dichloroethene (cis)	96	2.756	2.762	(0.677)	61193	10.0000	11.4
	27 2,2-Dichloropropane	77	2.761	2.767	(0.678)	37833	10.0000	12.3
	149 Propionitrile	54	2.810	2.815	(0.690)	6683	10.0000	12.8
	144 Methacrylonitrile	41	2.949	2.949	(0.724)	18302	10.0000	11.9(M)
	30 Bromochloromethane	49	2.986	2.986	(0.733)	35876	10.0000	11.3
	31 Tetrahydrofuran	42	3.002	3.008	(0.737)	12654	10.0000	10.2
	32 Chloroform	83	3.088	3.088	(0.758)	88237	10.0000	11.5
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	148541	50.0000	49.2
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	63063	10.0000	12.4
	35 Cyclohexane	56	3.329	3.329	(0.817)	78908	10.0000	13.0
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	49180	10.0000	13.4
	37 1,1-Dichloropropene	75	3.436	3.436	(0.844)	65240	10.0000	13.1
	39 Benzene	78	3.671	3.671	(0.901)	178979	10.0000	12.0
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	56258	10.0000	11.9
	38 Isobutyl alcohol	43	3.837	3.837	(0.942)	25701	10.0000	13.2
	141 2,2,4-Trimethylpentane	57	3.831	3.837	(0.941)	159633	10.0000	12.9
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	560934	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	49215	10.0000	12.5
	43 Methylcyclohexane	55	4.773	4.773	(1.172)	55906	10.0000	13.3
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	41500	10.0000	12.5
	45 Dibromomethane	93	4.917	4.917	(1.208)	28716	10.0000	11.9
	142 1,4-Dioxane	88	4.923	4.928	(1.209)	12696	200.000	266
	46 Methyl methacrylate	69	4.933	4.934	(1.211)	18644	10.0000	12.8
	47 Bromodichloromethane	83	5.137	5.137	(1.261)	50872	10.0000	12.6
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	27833	20.0000	24.8
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	46988	10.0000	10.5
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	138651	50.0000	64.7
$	51 Toluene-d8	98	5.864	5.864	(0.822)	490258	50.0000	50.2
	52 Toluene	91	5.934	5.934	(0.832)	198123	10.0000	11.1
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	28946	10.0000	11.5
	54 Ethyl Methacrylate	69	6.292	6.298	(0.882)	34037	10.0000	12.4
	55 1,1,2-Trichloroethane	83	6.394	6.399	(0.896)	30984	10.0000	12.2
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	55300	10.0000	12.0
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	60239	10.0000	12.1
	58 2-Hexanone	43	6.603	6.608	(0.926)	103092	50.0000	61.5
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	34125	10.0000	13.3
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	37414	10.0000	13.0
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	440907	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	135081	10.0000	11.5
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.229	(1.014)	31555	10.0000	13.9
	64 Ethylbenzene	106	7.228	7.234	(1.014)	74434	10.0000	12.1
	65 m&p-Xylene	106	7.325	7.325	(1.027)	190888	20.0000	23.1
	67 o-Xylene	106	7.560	7.560	(1.060)	86861	10.0000	11.9
	68 Styrene	104	7.576	7.576	(1.062)	144853	10.0000	12.4
	69 Bromoform	173	7.683	7.683	(0.905)	16982	10.0000	11.6
	70 Isopropylbenzene	105	7.779	7.785	(1.091)	218357	10.0000	12.3
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	187932	50.0000	50.5
	74 Bromobenzene	77	7.951	7.951	(1.115)	75022	10.0000	11.6
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	46350	10.0000	12.1
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	9000	10.0000	12.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.993	7.994	(0.942)	14094	10.0000	12.4
76	n-Propylbenzene	91	8.015	8.015	(0.945)	263555	10.0000	12.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	167368	10.0000	11.9
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	185383	10.0000	12.3
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	60903	10.0000	11.6
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	192931	10.0000	12.1
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	186120	10.0000	11.6
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	243458	10.0000	12.0
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	111419	10.0000	11.4
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	211620	10.0000	12.5
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	247185	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	117617	10.0000	11.3
87	n-Butylbenzene	91	8.657	8.657	(1.020)	191474	10.0000	12.6
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	102134	10.0000	11.3
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	5133	10.0000	11.9
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	61692	10.0000	10.3
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	28889	10.0000	10.9
92	Naphthalene	128	9.502	9.497	(1.120)	153626	10.0000	9.66
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	53256	10.0000	10.7
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	69787	10.0000	9.54
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	50625	10.0000	6.58

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a07.d
Date : 02-JUL-2014 18:56
Client ID: 8260-CAL4
Sample Info: 8260-CAL4,71819:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
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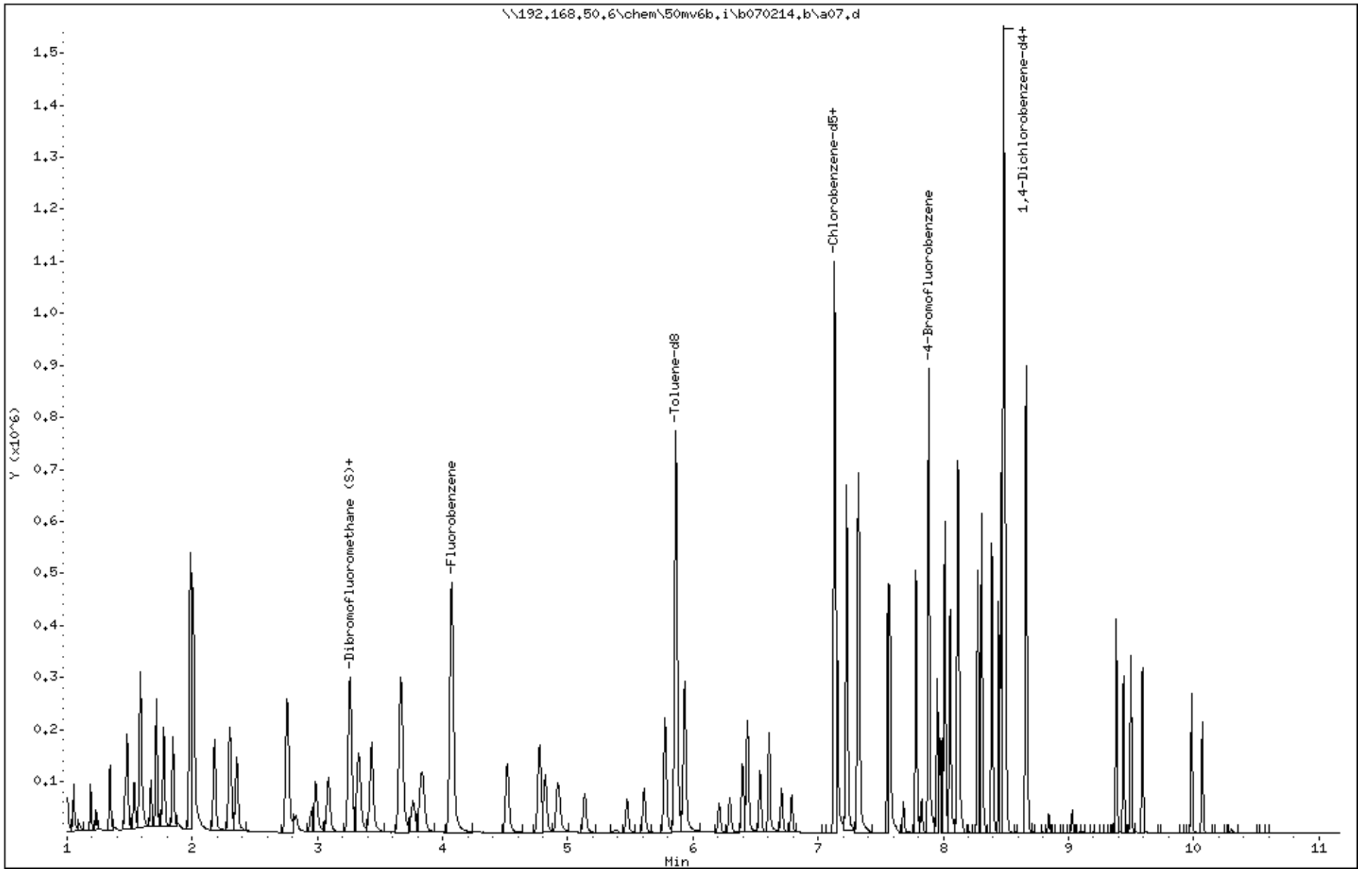

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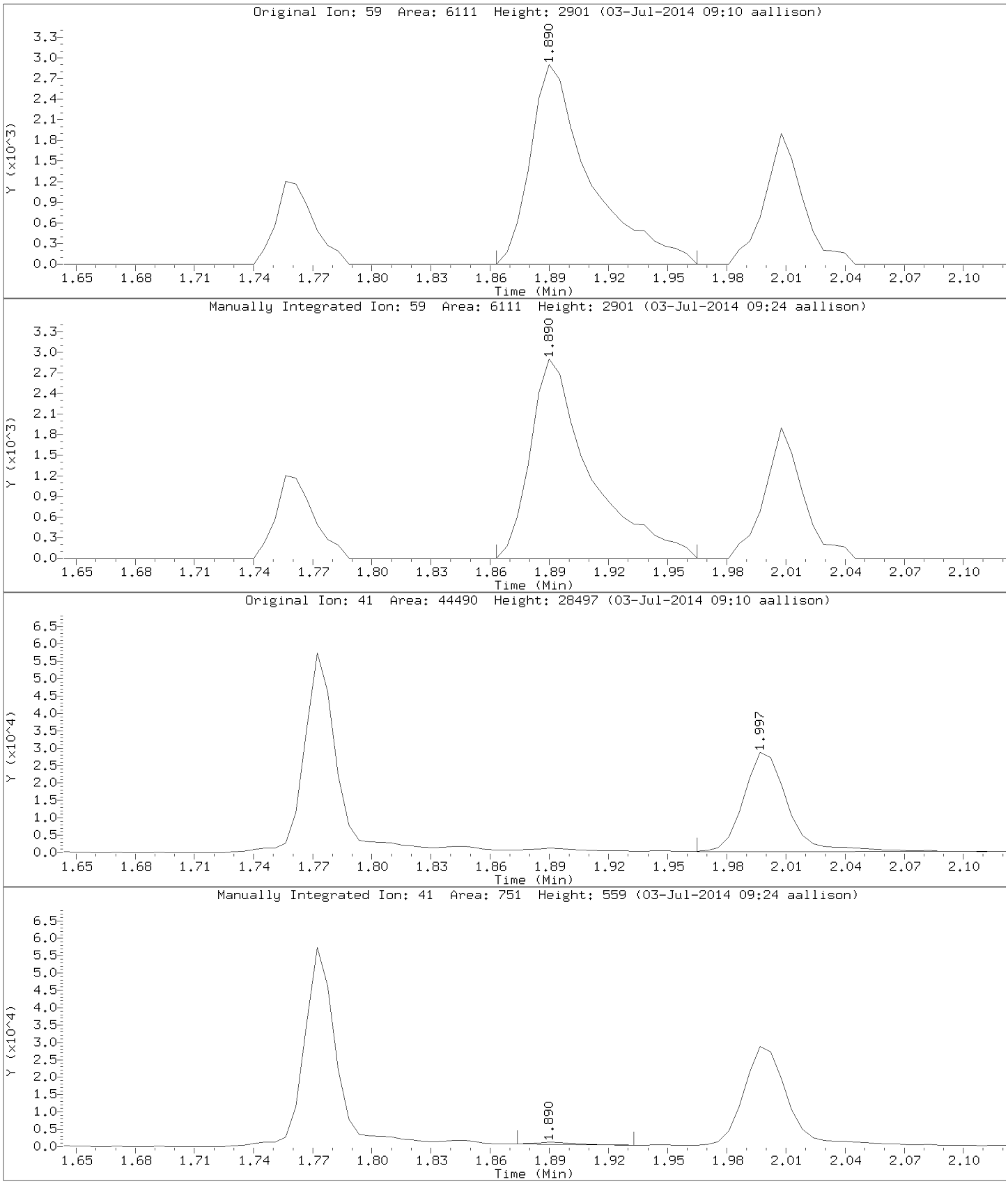
Injection Date: 02-JUL-2014 18:56
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL4

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



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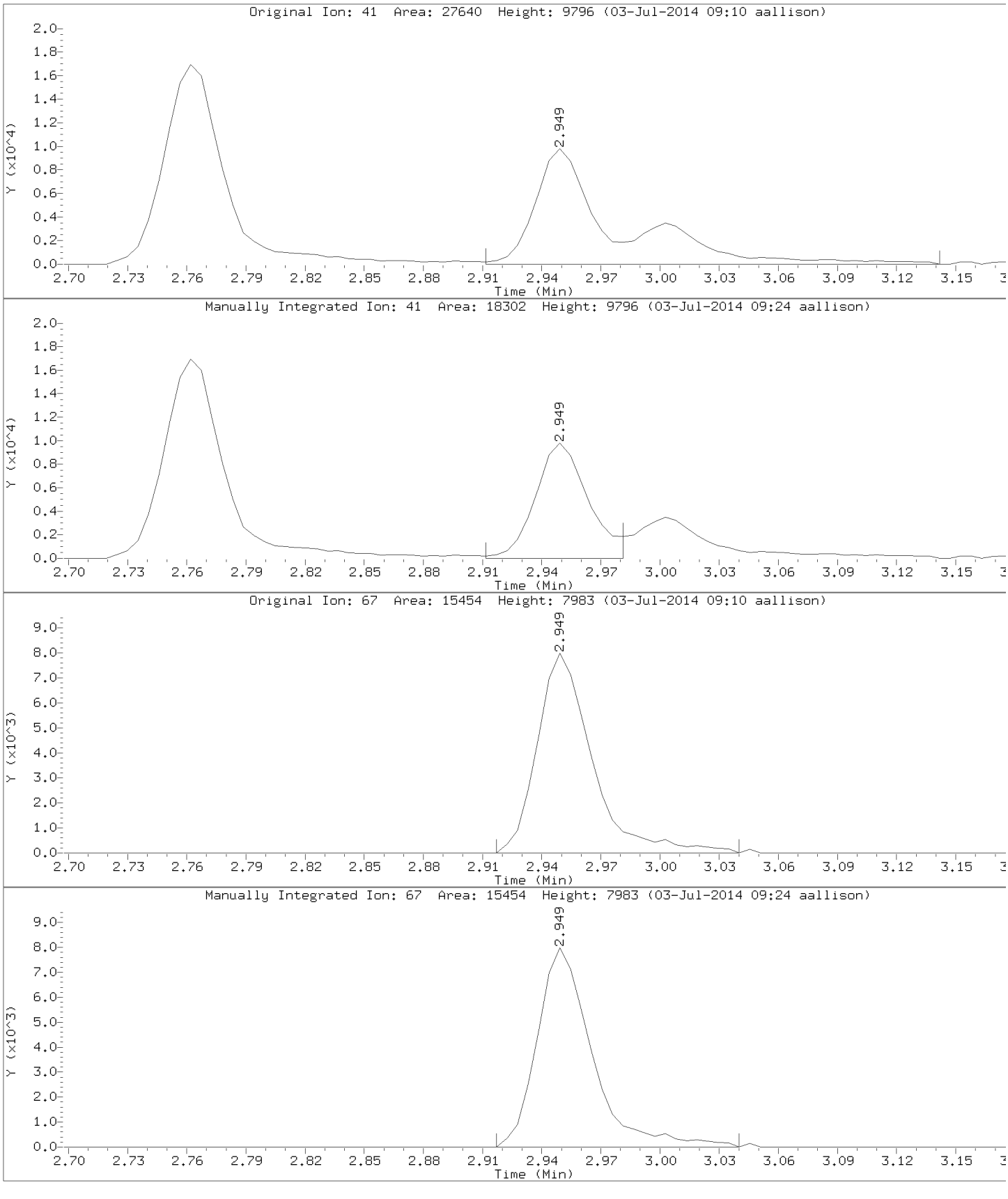
Injection Date: 02-JUL-2014 18:56
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL4

Compound: Methacrylonitrile
CAS Number: 126-98-7



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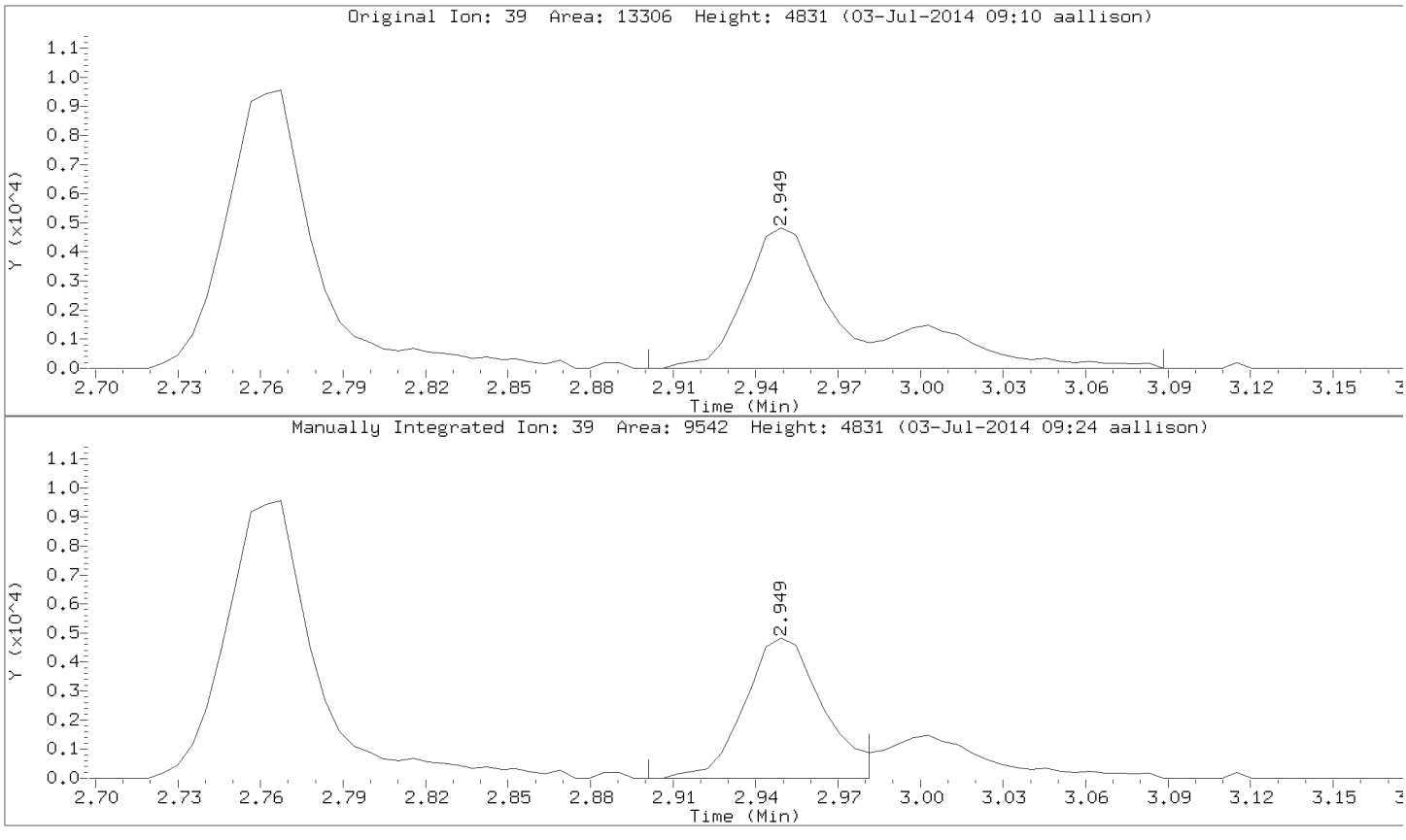
Injection Date: 02-JUL-2014 18:56
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL4



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a08.d
Lab Smp Id: 8260-CAL5 Client Smp ID: 8260-CAL5
Inj Date : 02-JUL-2014 19:23
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal5,71820:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 9 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 CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	92874	20.0000	18.4
2 Chloromethane	50	1.002	1.001	(0.246)	51481	20.0000	17.8
3 Vinyl Chloride	62	1.050	1.050	(0.258)	70547	20.0000	18.8
4 Bromomethane	94	1.189	1.189	(0.292)	41892	20.0000	14.4
5 Chloroethane	64	1.237	1.232	(0.304)	28506	20.0000	18.0
6 Trichlorofluoromethane	101	1.344	1.339	(0.330)	110552	20.0000	18.1
8 Diethyl ether	74	1.462	1.462	(0.359)	37453	20.0000	21.1
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	96133	20.0000	20.4
9 Acrolein	56	1.536	1.536	(0.377)	102326	400.000	360
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	91460	20.0000	21.8
11 1,1-Dichloroethene	96	1.585	1.585	(0.389)	79405	20.0000	21.0
12 Acetone	43	1.601	1.601	(0.393)	70200	100.000	89.4
13 Iodomethane	142	1.670	1.670	(0.410)	160298	40.0000	52.9
14 Carbon Disulfide	76	1.713	1.713	(0.421)	396410	40.0000	42.1
16 Methyl Acetate	43	1.761	1.762	(0.433)	32396	20.0000	21.3
143 Acetonitrile	39	1.772	1.772	(0.435)	96590	20.0000	19.9
15 allyl chloride	41	1.772	1.772	(0.435)	127000	40.0000	39.1
17 Methylene Chloride	84	1.847	1.847	(0.454)	96962	20.0000	10.1
18 tert-Butyl Alcohol	59	1.895	1.895	(0.465)	11375	40.0000	38.6(M)
19 Acrylonitrile	53	1.980	1.980	(0.486)	612467	400.000	393
20 Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	392193	40.0000	44.7
21 1,2-Dichloroethene (trans)	96	2.013	2.013	(0.494)	110965	20.0000	20.9
22 n-Hexane	57	2.178	2.178	(0.535)	135678	20.0000	22.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	306622	80.0000	88.5
	23 1,1-Dichloroethane	63	2.307	2.307	(0.567)	166083	20.0000	20.3
	147 chloroprene	53	2.355	2.355	(0.578)	122538	20.0000	23.0
	28 2-Butanone	43	2.751	2.751	(0.676)	156654	100.000	104
	26 1,2-Dichloroethene (cis)	96	2.762	2.762	(0.678)	115625	20.0000	20.3
	27 2,2-Dichloropropane	77	2.767	2.767	(0.679)	76150	20.0000	22.9
	149 Propionitrile	54	2.815	2.815	(0.691)	12622	20.0000	21.8(Q)
	144 Methacrylonitrile	41	2.949	2.949	(0.724)	35453	20.0000	21.2
	30 Bromochloromethane	49	2.986	2.986	(0.733)	66481	20.0000	19.8
	31 Tetrahydrofuran	42	3.002	3.008	(0.737)	22085	20.0000	17.0
	32 Chloroform	83	3.088	3.088	(0.758)	165017	20.0000	20.2
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	148044	50.0000	47.5
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	125185	20.0000	22.7
	35 Cyclohexane	56	3.329	3.329	(0.817)	150027	20.0000	22.5
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	99656	20.0000	24.6
	37 1,1-Dichloropropene	75	3.436	3.436	(0.844)	130180	20.0000	23.8
	39 Benzene	78	3.671	3.671	(0.901)	342772	20.0000	21.3
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	104663	20.0000	20.4
	38 Isobutyl alcohol	43	3.831	3.837	(0.941)	48698	20.0000	22.4
	141 2,2,4-Trimethylpentane	57	3.831	3.837	(0.941)	306068	20.0000	22.3
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	580747	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	97194	20.0000	22.7
	43 Methylcyclohexane	55	4.768	4.773	(1.171)	108198	20.0000	23.0
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	81069	20.0000	22.2
	45 Dibromomethane	93	4.917	4.917	(1.208)	55849	20.0000	21.6
	142 1,4-Dioxane	88	4.923	4.928	(1.209)	24049	400.000	450
	46 Methyl methacrylate	69	4.934	4.934	(1.211)	40428	20.0000	25.1
	47 Bromodichloromethane	83	5.131	5.137	(1.260)	102668	20.0000	23.1
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	58888	80.0000	50.0
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	102695	20.0000	22.8
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	266069	100.000	119
$	51 Toluene-d8	98	5.864	5.864	(0.822)	496643	50.0000	51.4
	52 Toluene	91	5.934	5.934	(0.832)	370230	20.0000	20.5
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	68601	20.0000	26.6
	54 Ethyl Methacrylate	69	6.292	6.298	(0.882)	73043	20.0000	25.3
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	60008	20.0000	22.6
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	105126	20.0000	22.2
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	117759	20.0000	22.8
	58 2-Hexanone	43	6.603	6.608	(0.926)	191178	100.000	110
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	73169	20.0000	27.1
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	74621	20.0000	24.7
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	435826	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	250799	20.0000	21.0
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.014)	65541	20.0000	27.1
	64 Ethylbenzene	106	7.234	7.234	(1.014)	134755	20.0000	21.2
	65 m&p-Xylene	106	7.325	7.325	(1.027)	345627	40.0000	41.1
	67 o-Xylene	106	7.560	7.560	(1.060)	153879	20.0000	20.5
	68 Styrene	104	7.576	7.576	(1.062)	266832	20.0000	22.1
	69 Bromoform	173	7.683	7.683	(0.905)	36382	20.0000	25.4
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	382153	20.0000	20.8
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	184665	50.0000	50.1
	74 Bromobenzene	77	7.951	7.951	(1.115)	132343	20.0000	20.1
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	82082	20.0000	21.7
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	17160	20.0000	22.3

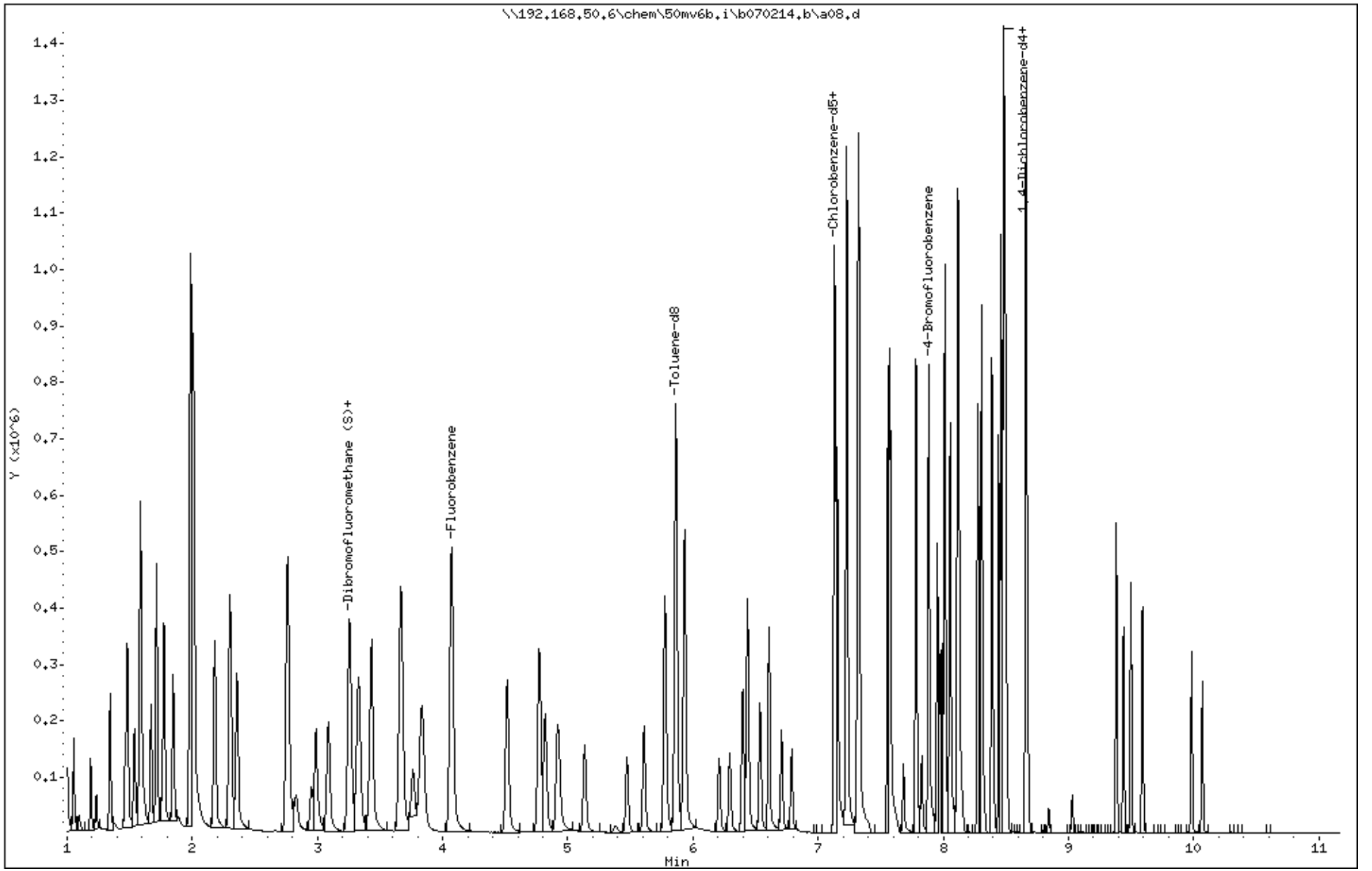
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	24814	20.0000	22.3
76	n-Propylbenzene	91	8.015	8.015	(0.945)	448736	20.0000	21.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	278695	20.0000	20.3
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	292415	20.0000	19.8
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	107009	20.0000	21.0
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	306598	20.0000	19.7
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	295258	20.0000	19.0
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	375130	20.0000	19.0
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	190733	20.0000	20.2
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	327986	20.0000	19.7
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	231481	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	200637	20.0000	20.0
87	n-Butylbenzene	91	8.657	8.657	(1.020)	288168	20.0000	19.2
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	159616	20.0000	18.4
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	8386	20.0000	19.8
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	87564	20.0000	15.5
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	35326	20.0000	13.9
92	Naphthalene	128	9.502	9.497	(1.120)	208364	20.0000	14.1
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	70299	20.0000	14.9
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	84600	20.0000	12.5
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	61520	20.0000	9.17

QC Flag Legend

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

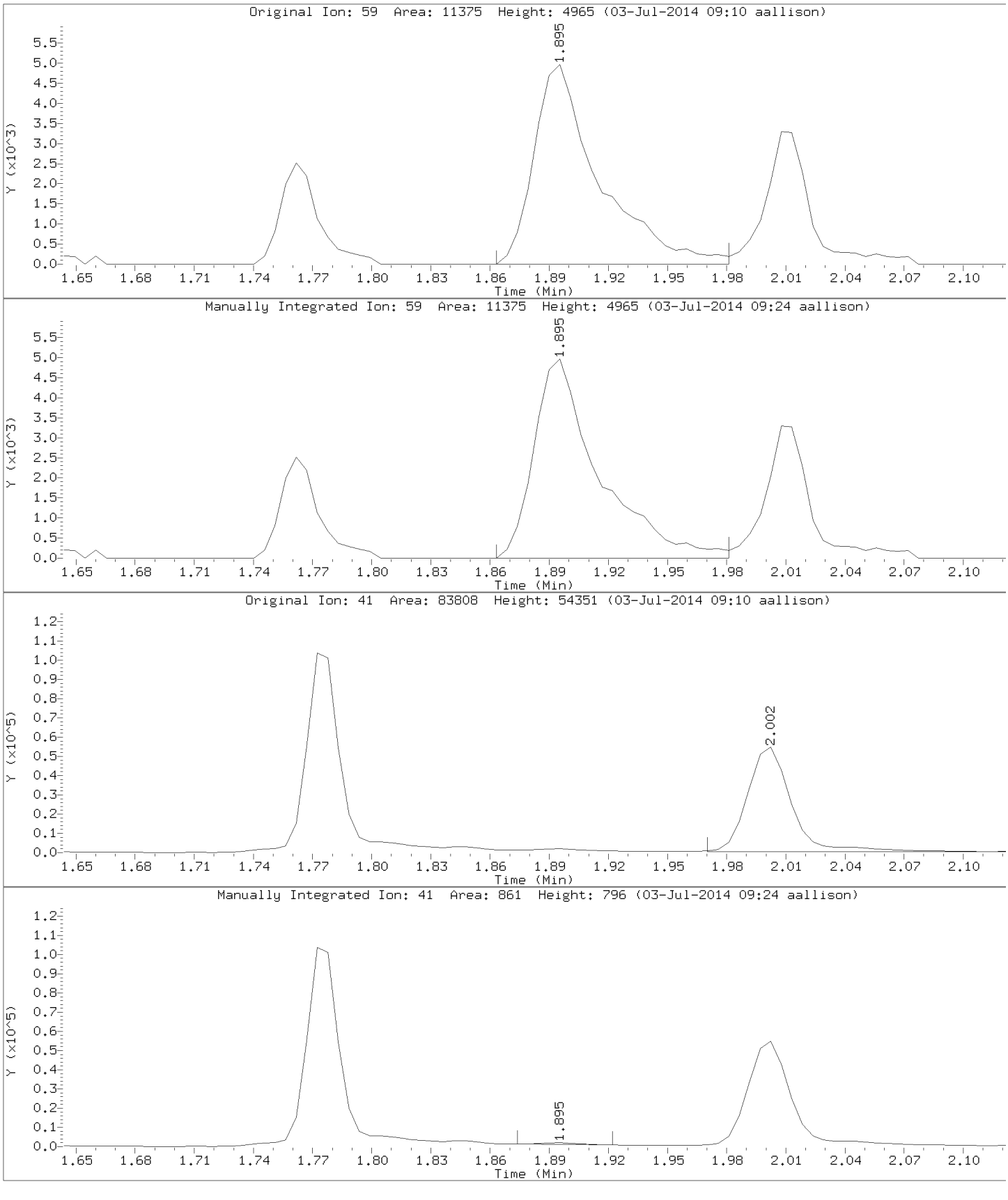
Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a08.d
Date : 02-JUL-2014 19:23
Client ID: 8260-CAL5
Sample Info: 8260-CAL5,71820:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/a08.d
Injection Date: 02-JUL-2014 19:23
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL5

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



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Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a09.d
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Inj Date : 02-JUL-2014 19:51
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal6,71821:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 10 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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	249653	50.0000	48.4
2	Chloromethane	50	1.001	1.001	(0.246)	126791	50.0000	41.4
3	Vinyl Chloride	62	1.050	1.050	(0.258)	189234	50.0000	49.1
4	Bromomethane	94	1.189	1.189	(0.292)	73359	50.0000	23.5
5	Chloroethane	64	1.232	1.232	(0.302)	62342	50.0000	38.2
6	Trichlorofluoromethane	101	1.339	1.339	(0.329)	278546	50.0000	47.5
8	Diethyl ether	74	1.462	1.462	(0.359)	83868	50.0000	47.8
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	204919	50.0000	44.4
9	Acrolein	56	1.536	1.536	(0.377)	262370	1000.00	981
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	191662	50.0000	45.7
11	1,1-Dichloroethene	96	1.585	1.585	(0.389)	168380	50.0000	53.4
12	Acetone	43	1.601	1.601	(0.393)	148591	250.000	252
13	Iodomethane	142	1.670	1.670	(0.410)	448654	100.000	100
14	Carbon Disulfide	76	1.713	1.713	(0.421)	887048	100.000	98.2
16	Methyl Acetate	43	1.761	1.762	(0.433)	71414	50.0000	48.9
143	Acetonitrile	39	1.772	1.772	(0.435)	217048	50.0000	48.3
15	allyl chloride	41	1.772	1.772	(0.435)	305312	100.000	100
17	Methylene Chloride	84	1.847	1.847	(0.454)	187889	50.0000	54.7
18	tert-Butyl Alcohol	59	1.895	1.895	(0.465)	26973	100.000	87.2(M)
19	Acrylonitrile	53	1.980	1.980	(0.486)	1342181	1000.00	889
20	Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	935168	100.000	106
21	1,2-Dichloroethene (trans)	96	2.013	2.013	(0.494)	245444	50.0000	48.2
22	n-Hexane	57	2.178	2.178	(0.535)	319557	50.0000	52.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	938443	200.000	198
	23 1,1-Dichloroethane	63	2.307	2.307	(0.567)	363236	50.0000	46.8
	147 chloroprene	53	2.355	2.355	(0.578)	274181	50.0000	51.3
	28 2-Butanone	43	2.751	2.751	(0.676)	359216	250.000	242
	26 1,2-Dichloroethene (cis)	96	2.762	2.762	(0.678)	259997	50.0000	47.1
	27 2,2-Dichloropropane	77	2.767	2.767	(0.679)	194443	50.0000	53.3
	149 Propionitrile	54	2.815	2.815	(0.691)	29350	50.0000	50.3
	144 Methacrylonitrile	41	2.949	2.949	(0.724)	78468	50.0000	44.8(M)
	30 Bromochloromethane	49	2.986	2.986	(0.733)	145050	50.0000	45.8
	31 Tetrahydrofuran	42	3.008	3.008	(0.739)	43061	50.0000	50.4
	32 Chloroform	83	3.088	3.088	(0.758)	365009	50.0000	46.4
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	145775	50.0000	47.5
	34 1,1,1-Trichloroethane	97	3.259	3.259	(0.800)	287264	50.0000	50.8
	35 Cyclohexane	56	3.329	3.329	(0.817)	331612	50.0000	50.2
	36 Carbon Tetrachloride	117	3.430	3.430	(0.842)	237163	50.0000	54.3
	37 1,1-Dichloropropene	75	3.436	3.436	(0.844)	300527	50.0000	53.2
	39 Benzene	78	3.671	3.671	(0.901)	787261	50.0000	49.4
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	232345	50.0000	47.0
	38 Isobutyl alcohol	43	3.837	3.837	(0.942)	105595	50.0000	46.8
	141 2,2,4-Trimethylpentane	57	3.837	3.837	(0.942)	703348	50.0000	50.9
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	590380	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	227096	50.0000	51.8
	43 Methylcyclohexane	55	4.773	4.773	(1.172)	249688	50.0000	52.9
	44 1,2-Dichloropropane	63	4.827	4.827	(1.185)	186903	50.0000	50.9
	45 Dibromomethane	93	4.917	4.917	(1.208)	128487	50.0000	49.0
	142 1,4-Dioxane	88	4.928	4.928	(1.210)	53762	1000.00	992
	46 Methyl methacrylate	69	4.934	4.934	(1.211)	99072	50.0000	54.6
	47 Bromodichloromethane	83	5.137	5.137	(1.261)	233227	50.0000	50.7
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	150581	100.000	100
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	276444	50.0000	47.4
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	579053	250.000	268
$	51 Toluene-d8	98	5.864	5.864	(0.822)	479545	50.0000	52.0
	52 Toluene	91	5.934	5.934	(0.832)	811195	50.0000	49.2
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	199108	50.0000	44.3
	54 Ethyl Methacrylate	69	6.298	6.298	(0.883)	174212	50.0000	48.0
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	144588	50.0000	57.0
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	240313	50.0000	53.1
	57 1,3-Dichloropropane	76	6.538	6.538	(0.917)	276532	50.0000	56.0
	58 2-Hexanone	43	6.608	6.608	(0.926)	414656	250.000	256
	59 Dibromochloromethane	129	6.715	6.715	(0.941)	181315	50.0000	49.2
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	180275	50.0000	56.0
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	407381	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	539549	50.0000	49.3
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.014)	152216	50.0000	53.5
	64 Ethylbenzene	106	7.234	7.234	(1.014)	277807	50.0000	48.3
	65 m&p-Xylene	106	7.325	7.325	(1.027)	695522	100.000	93.5
	67 o-Xylene	106	7.560	7.560	(1.060)	290965	50.0000	43.8
	68 Styrene	104	7.576	7.576	(1.062)	534447	50.0000	48.6
	69 Bromoform	173	7.683	7.683	(0.905)	86891	50.0000	47.2
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	696619	50.0000	42.7
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	160168	50.0000	47.8
	74 Bromobenzene	77	7.951	7.951	(1.115)	250238	50.0000	43.5
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	158090	50.0000	51.0
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	39665	50.0000	52.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	47402	50.0000	51.7
76	n-Propylbenzene	91	8.015	8.015	(0.945)	791140	50.0000	47.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	467061	50.0000	44.8
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	481152	50.0000	44.1
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	199196	50.0000	50.1
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	501222	50.0000	42.7
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	488857	50.0000	44.2
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	602526	50.0000	43.9
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	339419	50.0000	46.7
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	513905	50.0000	43.1
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	184144	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	364433	50.0000	47.6
87	n-Butylbenzene	91	8.657	8.657	(1.020)	466915	50.0000	45.4
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	268004	50.0000	48.9
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	15581	50.0000	45.1
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	150295	50.0000	54.2
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	59376	50.0000	39.5
92	Naphthalene	128	9.497	9.497	(1.119)	353579	50.0000	51.2
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	117307	50.0000	51.6
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	152665	50.0000	56.1
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	112812	50.0000	57.4

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a09.d
Date : 02-JUL-2014 19:51
Client ID: 8260-CAL6
Sample Info: 8260-CAL6,71821:0
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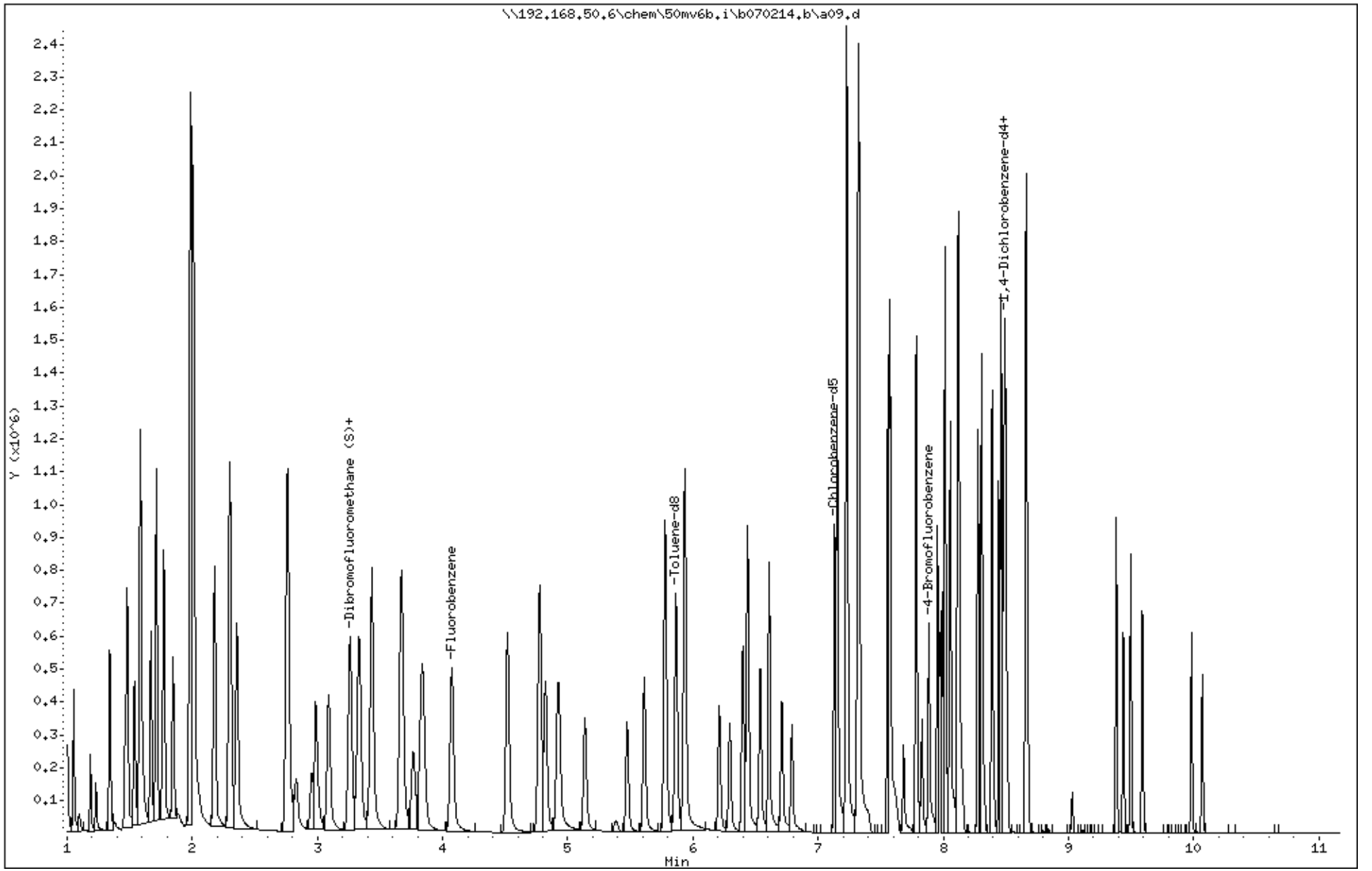
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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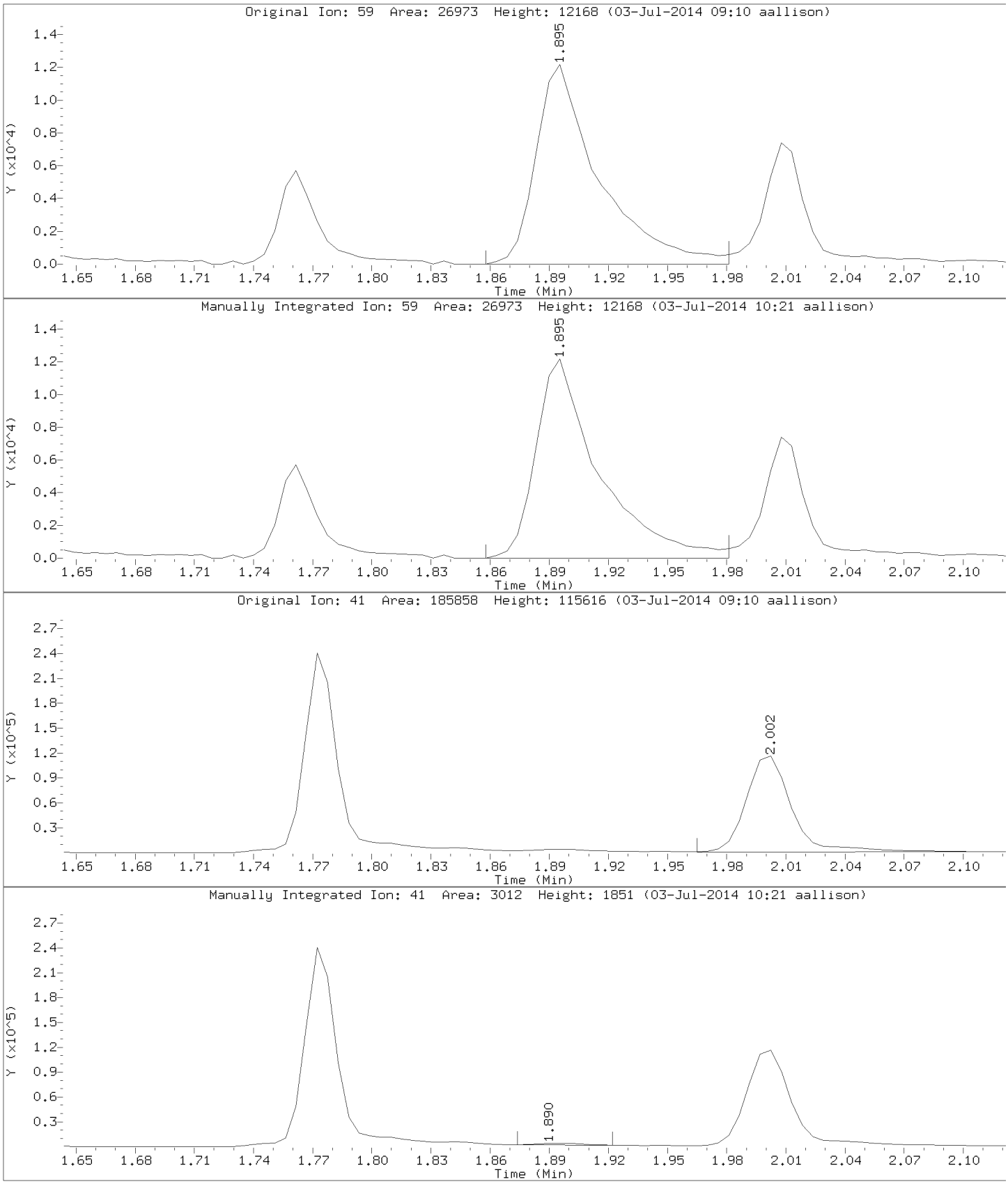
Injection Date: 02-JUL-2014 19:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6

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



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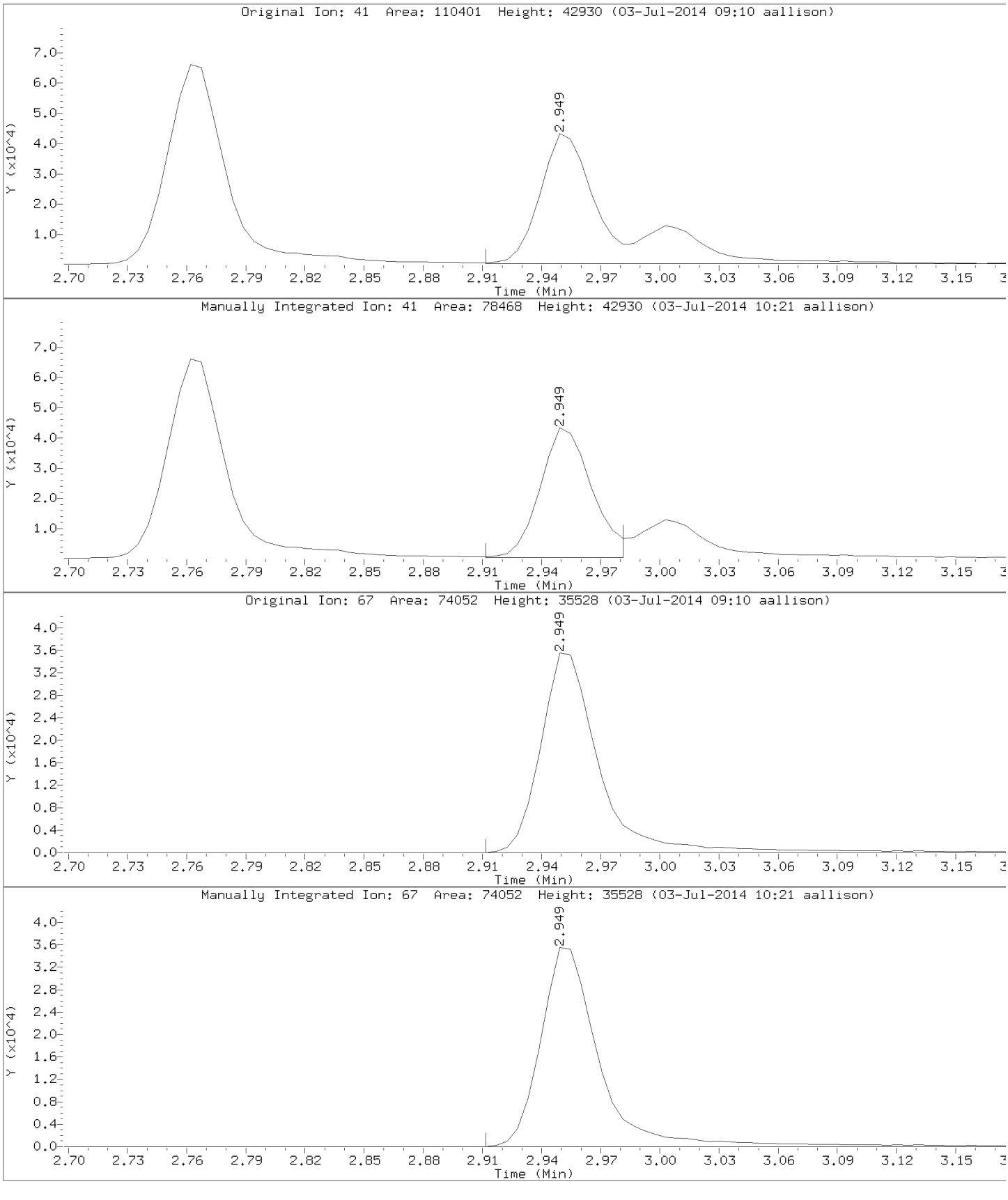
Injection Date: 02-JUL-2014 19:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6

Compound: Methacrylonitrile
CAS Number: 126-98-7



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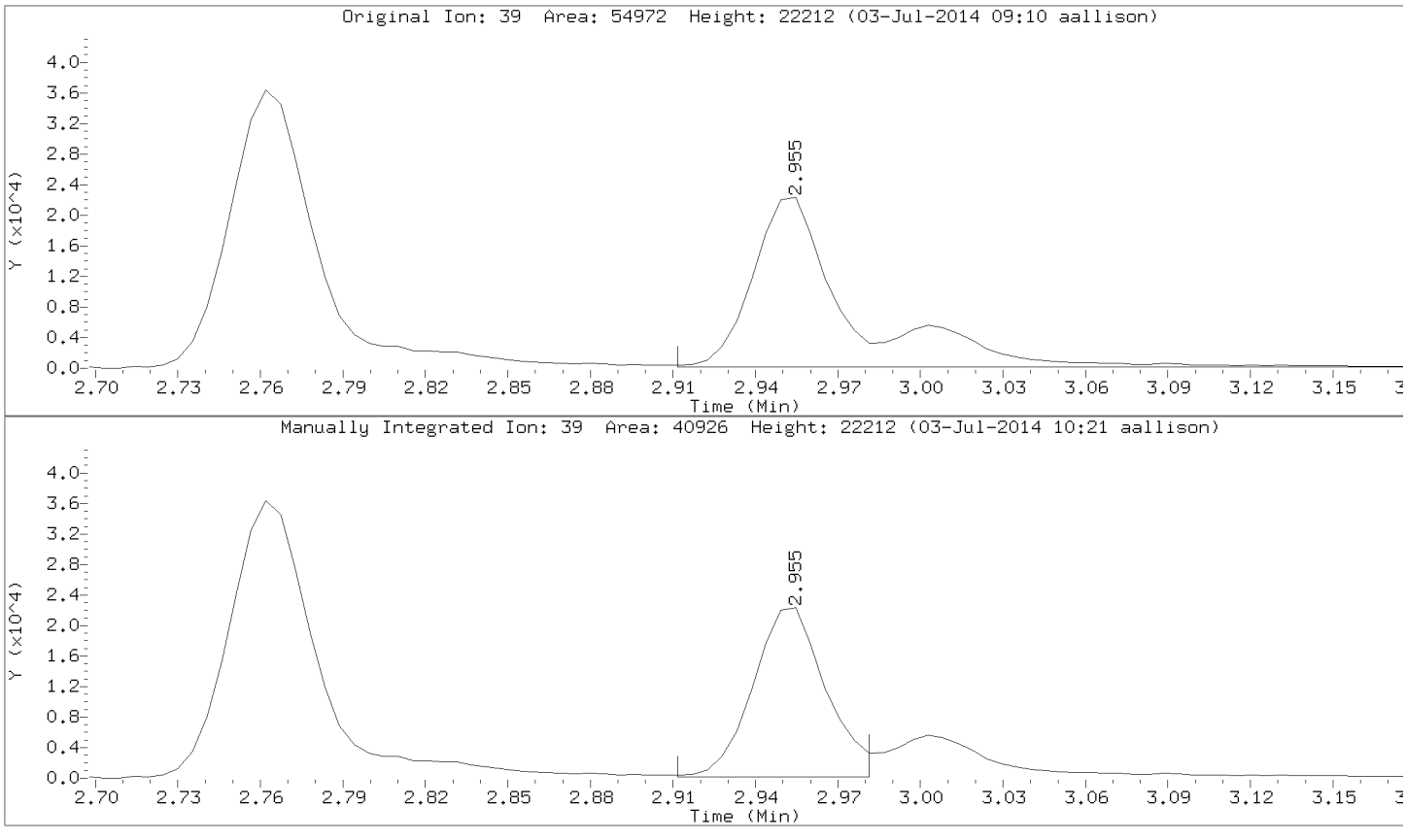
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6



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Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a10.d
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Inj Date : 02-JUL-2014 20:18
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal7,71822:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 11 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 CAL-AMT (ppb)	ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.926	0.927	(0.228)	767681	150.000	153
2 Chloromethane	50	1.001	1.001	(0.246)	428560	150.000	150
3 Vinyl Chloride	62	1.050	1.050	(0.258)	591421	150.000	158
4 Bromomethane	94	1.183	1.189	(0.291)	112570	150.000	40.5
5 Chloroethane	64	1.226	1.232	(0.301)	104750	150.000	66.8
6 Trichlorofluoromethane	101	1.338	1.339	(0.329)	643605	150.000	106
8 Diethyl ether	74	1.461	1.462	(0.359)	215896	150.000	119
7 1,2-dichlorotrifluoroethane	67	1.477	1.478	(0.363)	514805	150.000	108
9 Acrolein	56	1.536	1.536	(0.377)	748059	3000.00	2650
10 1,1,2trichlorotrifluoroethane	101	1.574	1.579	(0.387)	500409	150.000	116
11 1,1-Dichloroethene	96	1.584	1.585	(0.389)	443911	150.000	115
12 Acetone	43	1.601	1.601	(0.393)	418421	750.000	540
13 Iodomethane	142	1.670	1.670	(0.410)	1377092	300.000	423
14 Carbon Disulfide	76	1.713	1.713	(0.421)	2445286	300.000	255
16 Methyl Acetate	43	1.761	1.762	(0.433)	192477	150.000	124
143 Acetonitrile	39	1.772	1.772	(0.435)	572550	150.000	117
15 allyl chloride	41	1.772	1.772	(0.435)	787294	300.000	241
17 Methylene Chloride	84	1.841	1.847	(0.452)	474752	150.000	54.3
18 tert-Butyl Alcohol	59	1.900	1.895	(0.467)	78554	300.000	266(M)
19 Acrylonitrile	53	1.986	1.980	(0.488)	3451868	3000.00	2200
20 Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	2673555	300.000	296
21 1,2-Dichloroethene (trans)	96	2.007	2.013	(0.493)	671949	150.000	124
22 n-Hexane	57	2.173	2.178	(0.534)	922006	150.000	148

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.296	(0.564)	2908826	600.000	815
	23 1,1-Dichloroethane	63	2.301	2.307	(0.565)	984488	150.000	119
	147 chloroprene	53	2.355	2.355	(0.578)	751746	150.000	136
	28 2-Butanone	43	2.756	2.751	(0.677)	1024877	750.000	671
	26 1,2-Dichloroethene (cis)	96	2.761	2.762	(0.678)	739938	150.000	128
	27 2,2-Dichloropropane	77	2.767	2.767	(0.679)	642074	150.000	187
	149 Propionitrile	54	2.820	2.815	(0.693)	82513	150.000	139(Q)
	144 Methacrylonitrile	41	2.954	2.949	(0.725)	255968	150.000	150(M)
	30 Bromochloromethane	49	2.986	2.986	(0.733)	386839	150.000	114
	31 Tetrahydrofuran	42	3.008	3.008	(0.739)	120343	150.000	94.9
	32 Chloroform	83	3.088	3.088	(0.758)	1028123	150.000	124
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	141972	50.0000	45.5
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.799)	849501	150.000	149
	35 Cyclohexane	56	3.328	3.329	(0.817)	917974	150.000	134
	36 Carbon Tetrachloride	117	3.425	3.430	(0.841)	731175	150.000	172
	37 1,1-Dichloropropene	75	3.435	3.436	(0.844)	852946	150.000	150
	39 Benzene	78	3.671	3.671	(0.901)	2234876	150.000	136
	40 1,2-Dichloroethane	62	3.762	3.762	(0.924)	657924	150.000	127
	38 Isobutyl alcohol	43	3.831	3.837	(0.941)	399470	150.000	178(Q)
	141 2,2,4-Trimethylpentane	57	3.831	3.837	(0.941)	2049924	150.000	145
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	585997	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	660671	150.000	150
	43 Methylcyclohexane	55	4.773	4.773	(1.172)	720649	150.000	147
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	529910	150.000	141
	45 Dibromomethane	93	4.917	4.917	(1.208)	382192	150.000	144
	142 1,4-Dioxane	88	4.933	4.928	(1.211)	156452	3000.00	2830
	46 Methyl methacrylate	69	4.933	4.934	(1.211)	306568	150.000	179
	47 Bromodichloromethane	83	5.137	5.137	(1.261)	694705	150.000	150
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	480025	300.000	515
	49 cis-1,3-Dichloropropene	75	5.607	5.608	(0.786)	894608	150.000	224
	50 4-Methyl-2-Pentanone	43	5.779	5.779	(0.810)	1571569	750.000	794
$	51 Toluene-d8	98	5.864	5.864	(0.822)	459096	50.0000	55.3
	52 Toluene	91	5.934	5.934	(0.832)	2238566	150.000	144
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	706440	150.000	300
	54 Ethyl Methacrylate	69	6.298	6.298	(0.883)	560075	150.000	215
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	405228	150.000	174
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	683857	150.000	166
	57 1,3-Dichloropropane	76	6.538	6.538	(0.917)	773632	150.000	170
	58 2-Hexanone	43	6.608	6.608	(0.926)	1091133	750.000	723
	59 Dibromochloromethane	129	6.715	6.715	(0.941)	540254	150.000	221
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	518903	150.000	193
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	373095	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	1449213	150.000	140
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.229	(1.014)	426746	150.000	195
	64 Ethylbenzene	106	7.234	7.234	(1.014)	738270	150.000	134
	65 m&p-Xylene	106	7.325	7.325	(1.027)	1787343	300.000	247
	67 o-Xylene	106	7.560	7.560	(1.060)	775782	150.000	120
	68 Styrene	104	7.576	7.576	(1.062)	1360810	150.000	129
	69 Bromoform	173	7.683	7.683	(0.905)	249597	150.000	244
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	1893839	150.000	120
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	137705	50.0000	43.6
	74 Bromobenzene	77	7.951	7.951	(1.115)	633199	150.000	112
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	407549	150.000	157
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	118460	150.000	176

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
75	1,2,3-Trichloropropane	110	7.993	7.994	(0.942)	121822	150.000	158	(Q)
76	n-Propylbenzene	91	8.015	8.015	(0.945)	2138018	150.000	146	
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	1176248	150.000	126	
78	1,3,5-Trimethylbenzene	105	8.116	8.117	(0.957)	1441072	150.000	144	
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	504016	150.000	145	
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	1528814	150.000	146	
81	1,2,4-Trimethylbenzene	105	8.309	8.304	(0.979)	1460454	150.000	140	
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	1805241	150.000	136	
83	1,3-Dichlorobenzene	146	8.448	8.443	(0.996)	867640	150.000	136	
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	1589197	150.000	141	
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	156752	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	898183	150.000	132	
87	n-Butylbenzene	91	8.662	8.657	(1.021)	1405368	150.000	139	
88	1,2-Dichlorobenzene	146	8.667	8.668	(1.021)	701779	150.000	121	
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	44367	150.000	155	
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	362053	150.000	98.4	
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	206796	150.000	128	
92	Naphthalene	128	9.502	9.497	(1.120)	853867	150.000	89.6	
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	280921	150.000	92.5	
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	349968	150.000	82.5	
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	247787	150.000	59.9	

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a10.d
Date : 02-JUL-2014 20:18
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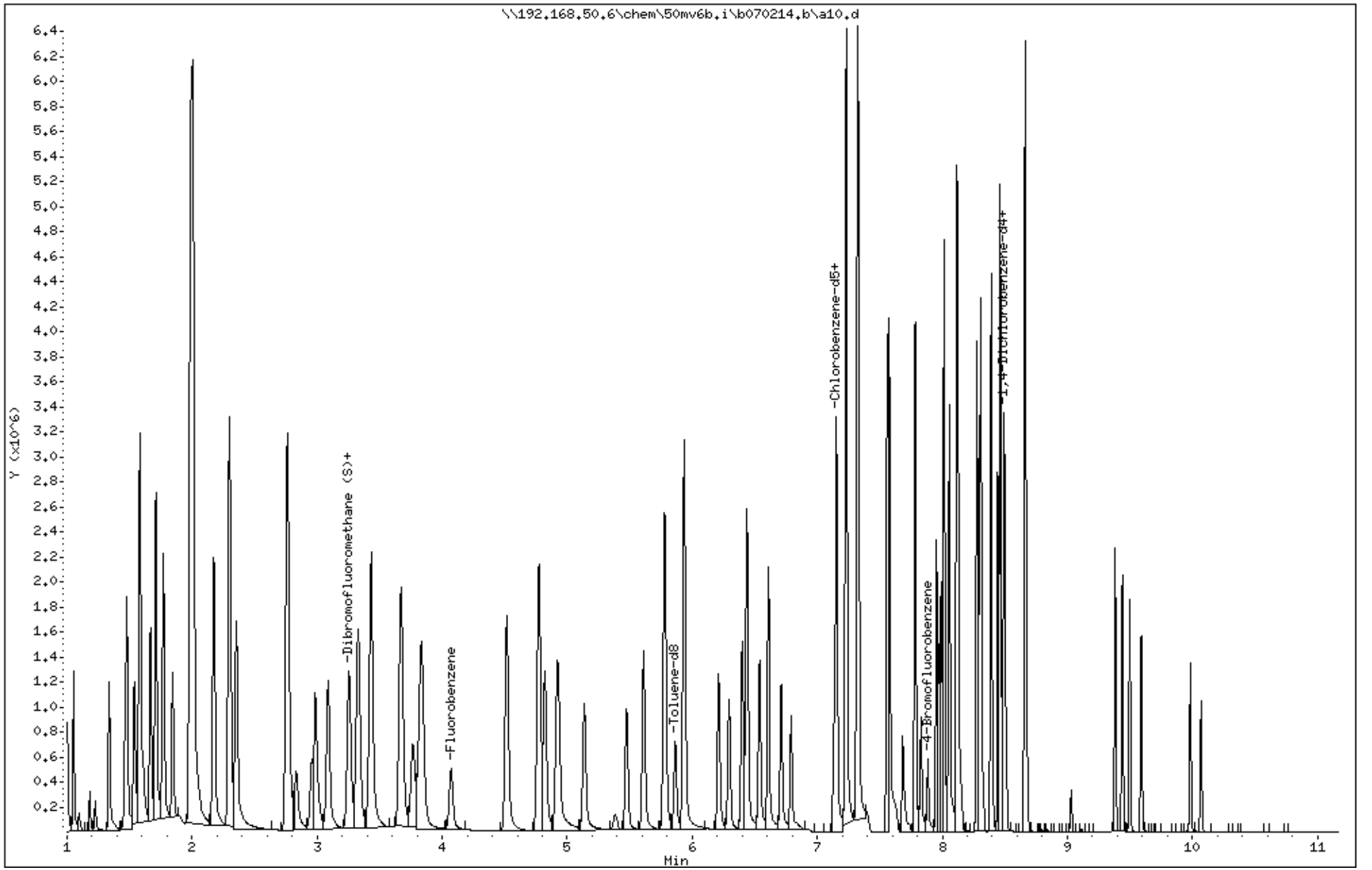
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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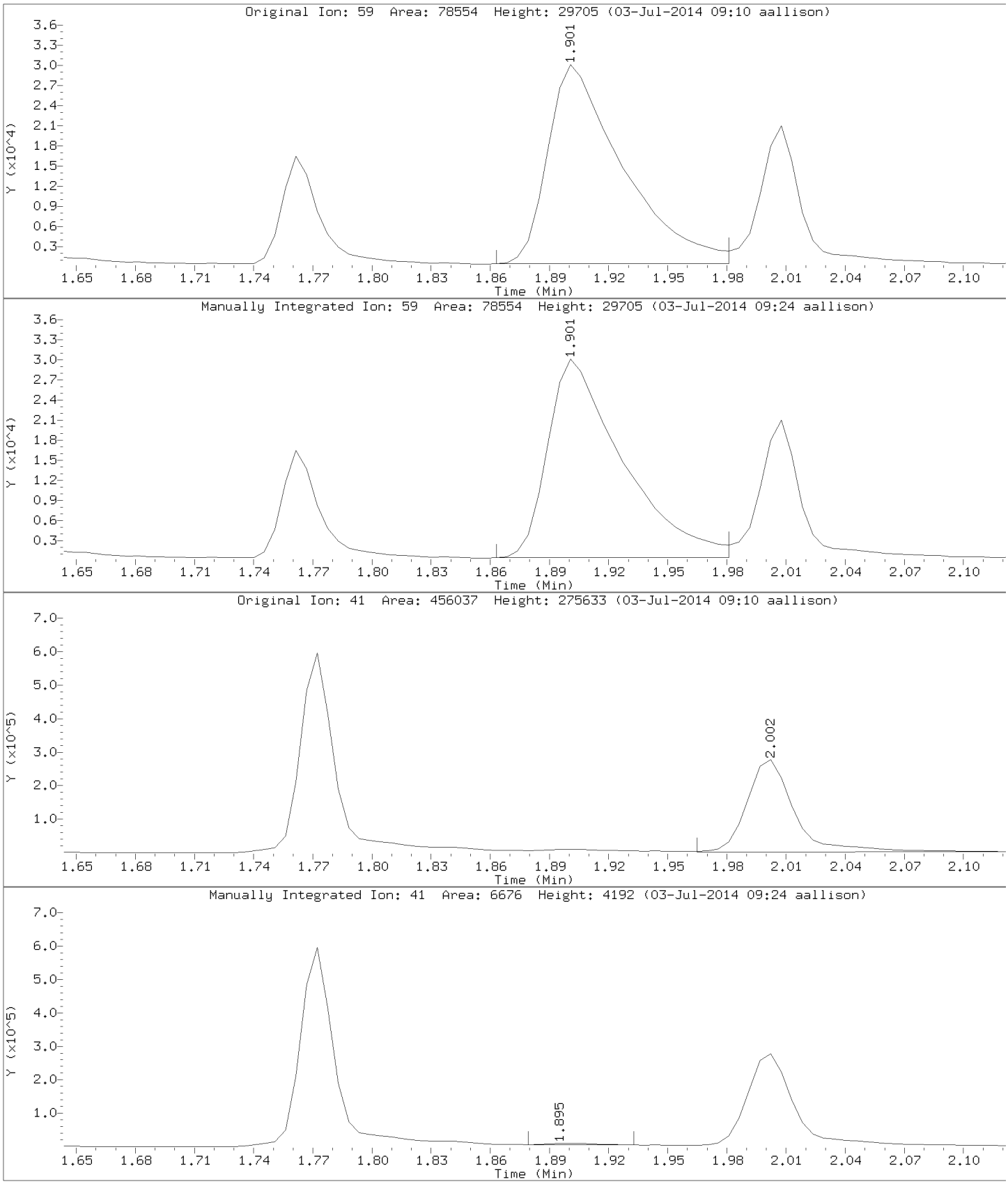
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL7

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



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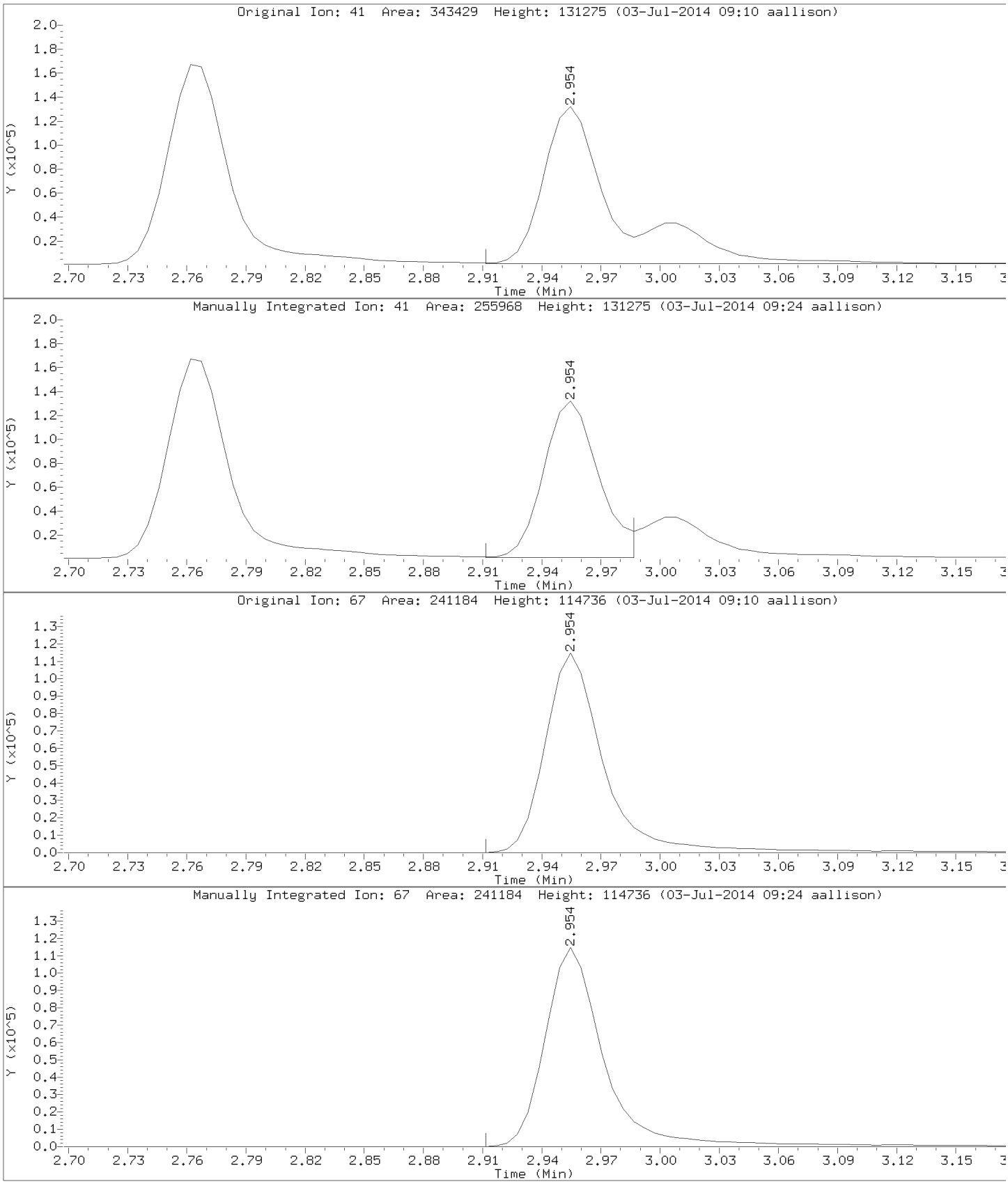
Injection Date: 02-JUL-2014 20:18
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL7

Compound: Methacrylonitrile
CAS Number: 126-98-7



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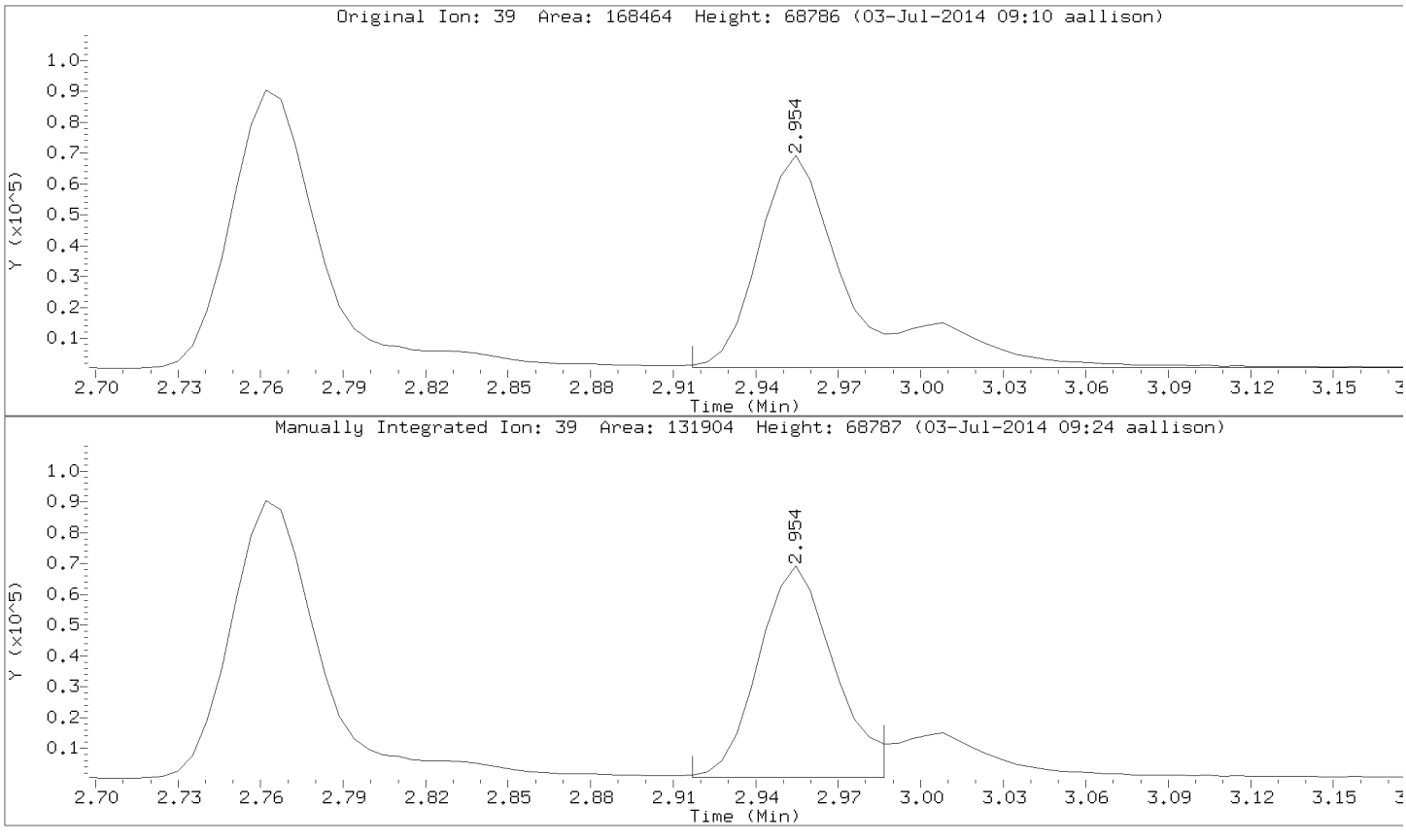
Lab Sample ID: 8260-CAL7



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Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a11.d
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Inj Date : 02-JUL-2014 20:45
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal8,71823:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 20-JUN-2014 19:09 Cal File: b08.d
Als bottle: 12 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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	1591040	300.000	332
2	Chloromethane	50	1.001	1.001	(0.246)	976811	300.000	359
3	Vinyl Chloride	62	1.050	1.050	(0.258)	1177777	300.000	327
4	Bromomethane	94	1.183	1.189	(0.291)	184395	300.000	69.6
5	Chloroethane	64	1.226	1.232	(0.302)	136825	300.000	91.5
6	Trichlorofluoromethane	101	1.328	1.339	(0.327)	566441	300.000	97.8
8	Diethyl ether	74	1.456	1.462	(0.358)	207138	300.000	124
7	1,2-dichlorotrifluoroethane	67	1.472	1.478	(0.362)	509697	300.000	117
9	Acrolein	56	1.531	1.536	(0.377)	1051534	6000.00	3910
10	1,1,2trichlorotrifluoroethane	101	1.569	1.579	(0.386)	609075	300.000	153
11	1,1-Dichloroethene	96	1.574	1.585	(0.387)	543746	300.000	154
12	Acetone	43	1.606	1.601	(0.395)	616408	1500.00	875
13	Iodomethane	142	1.659	1.670	(0.408)	1888823	600.000	570
14	Carbon Disulfide	76	1.702	1.713	(0.419)	3485673	600.000	390
16	Methyl Acetate	43	1.761	1.762	(0.433)	314682	300.000	219
143	Acetonitrile	39	1.766	1.772	(0.434)	852815	300.000	190
15	allyl chloride	41	1.766	1.772	(0.434)	1133206	600.000	376
17	Methylene Chloride	84	1.836	1.847	(0.452)	749456	300.000	100
19	Acrylonitrile	53	1.986	1.980	(0.488)	5307467	6000.00	3720
20	Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	4169823	600.000	486
21	1,2-Dichloroethene (trans)	96	2.002	2.013	(0.492)	970787	300.000	194
22	n-Hexane	57	2.168	2.178	(0.533)	1502112	300.000	253
24	Vinyl Acetate	43	2.296	2.296	(0.565)	5626820	1200.00	1560

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	23 1,1-Dichloroethane	63	2.301	2.307	(0.566)	1571517	300.000	205
	147 chloroprene	53	2.350	2.355	(0.578)	1248531	300.000	241
	28 2-Butanone	43	2.762	2.751	(0.679)	1837127	1500.00	1280
	26 1,2-Dichloroethene (cis)	96	2.756	2.762	(0.678)	1242547	300.000	231
	27 2,2-Dichloropropane	77	2.756	2.767	(0.678)	1166235	300.000	344
	149 Propionitrile	54	2.831	2.815	(0.696)	151705	300.000	271
	144 Methacrylonitrile	41	2.954	2.949	(0.726)	415663	300.000	256(M)
	30 Bromochloromethane	49	2.981	2.986	(0.733)	647013	300.000	207
	31 Tetrahydrofuran	42	3.008	3.008	(0.740)	224522	300.000	198
	32 Chloroform	83	3.083	3.088	(0.758)	1741656	300.000	227
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.801)	133113	50.0000	45.3
	34 1,1,1-Trichloroethane	97	3.248	3.259	(0.799)	1454704	300.000	268
	35 Cyclohexane	56	3.323	3.329	(0.817)	1484954	300.000	231
	36 Carbon Tetrachloride	117	3.420	3.430	(0.841)	1255221	300.000	304
	37 1,1-Dichloropropene	75	3.430	3.436	(0.843)	1416912	300.000	261
	39 Benzene	78	3.666	3.671	(0.901)	3774773	300.000	245
	40 1,2-Dichloroethane	62	3.762	3.762	(0.925)	1144259	300.000	237
	38 Isobutyl alcohol	43	3.826	3.837	(0.941)	508262	300.000	230(Q)
	141 2,2,4-Trimethylpentane	57	3.826	3.837	(0.941)	3420128	300.000	255
*	41 Fluorobenzene	96	4.067	4.072	(1.000)	558781	50.0000	
	42 Trichloroethene	95	4.511	4.516	(1.109)	1126984	300.000	268
	43 Methylcyclohexane	55	4.768	4.773	(1.172)	1178635	300.000	253
	44 1,2-Dichloropropane	63	4.821	4.827	(1.185)	908668	300.000	256
	45 Dibromomethane	93	4.917	4.917	(1.209)	679924	300.000	271
	142 1,4-Dioxane	88	4.971	4.928	(1.222)	274165	6000.00	5250
	46 Methyl methacrylate	69	4.934	4.934	(1.213)	578998	300.000	344
	47 Bromodichloromethane	83	5.131	5.137	(1.262)	1211783	300.000	275
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	917161	600.000	859
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	1637762	300.000	366
	50 4-Methyl-2-Pentanone	43	5.784	5.779	(0.810)	2890656	1500.00	1420
$	51 Toluene-d8	98	5.864	5.864	(0.822)	437057	50.0000	50.7
	52 Toluene	91	5.934	5.934	(0.831)	3900679	300.000	247
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.870)	1351000	300.000	481
	54 Ethyl Methacrylate	69	6.298	6.298	(0.882)	963727	300.000	338
	55 1,1,2-Trichloroethane	83	6.399	6.399	(0.897)	745725	300.000	305
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	1174143	300.000	274
	57 1,3-Dichloropropane	76	6.538	6.538	(0.916)	1415075	300.000	298
	58 2-Hexanone	43	6.608	6.608	(0.926)	2048437	1500.00	1330
	59 Dibromochloromethane	129	6.715	6.715	(0.941)	1031876	300.000	386
	60 1,2-Dibromoethane	107	6.790	6.790	(0.951)	968107	300.000	338
*	61 Chlorobenzene-d5	117	7.138	7.132	(1.000)	381506	50.0000	
	62 Chlorobenzene	112	7.159	7.154	(1.003)	2616033	300.000	250
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.013)	857883	300.000	367
	64 Ethylbenzene	106	7.234	7.234	(1.013)	1318121	300.000	238
	65 m&p-Xylene	106	7.325	7.325	(1.026)	3152288	600.000	437
	67 o-Xylene	106	7.566	7.560	(1.060)	1485145	300.000	232
	68 Styrene	104	7.582	7.576	(1.062)	2561167	300.000	243
	69 Bromoform	173	7.689	7.683	(0.906)	550088	300.000	448
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	3714302	300.000	236
$	72 4-Bromofluorobenzene	95	7.887	7.881	(1.105)	145167	50.0000	45.8
	74 Bromobenzene	77	7.951	7.951	(1.114)	1244516	300.000	224
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	898768	300.000	315
	71 trans-1,4-Dichloro-2-butene	53	7.994	7.988	(1.120)	209420	300.000	295(Q)
	75 1,2,3-Trichloropropane	110	7.999	7.994	(0.943)	267446	300.000	318

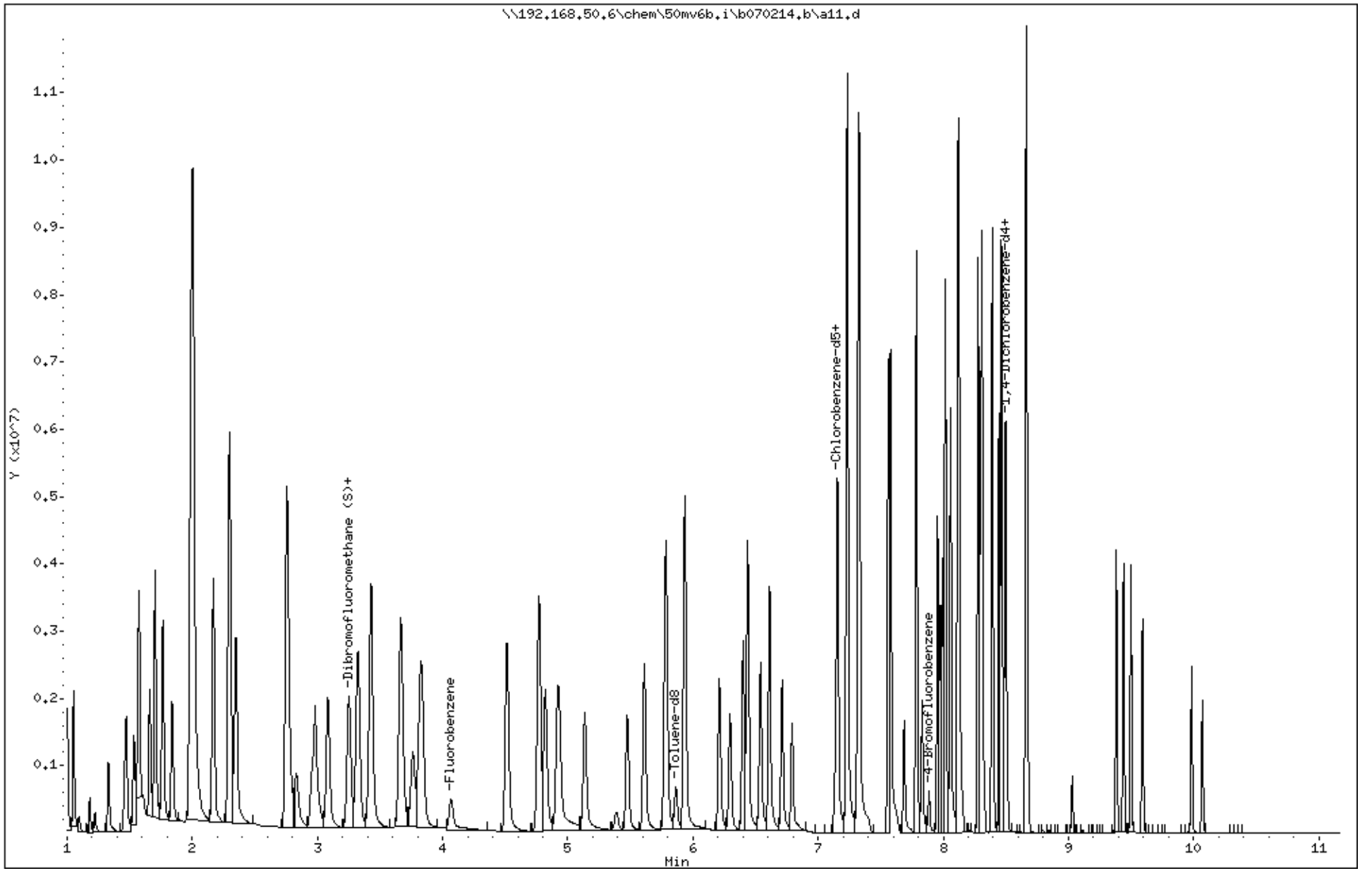
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
76	n-Propylbenzene	91	8.020	8.015	(0.945)	4137304	300.000	262	
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	2412005	300.000	244	
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	2965432	300.000	274	
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	944329	300.000	251	
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	3302139	300.000	290	
81	1,2,4-Trimethylbenzene	105	8.309	8.304	(0.979)	3005955	300.000	268	
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	3699285	300.000	260	
83	1,3-Dichlorobenzene	146	8.448	8.443	(0.996)	1723132	300.000	251	
84	p-Isopropyltoluene	119	8.470	8.464	(0.998)	3195254	300.000	264	
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	170455	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.502	8.496	(1.002)	1759525	300.000	242	
87	n-Butylbenzene	91	8.662	8.657	(1.021)	2627728	300.000	242	
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	1443046	300.000	236	
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	108195	300.000	346	
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	676538	300.000	178	
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	390216	300.000	228	
92	Naphthalene	128	9.502	9.497	(1.120)	1755204	300.000	180	
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	546547	300.000	177	
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	635676	300.000	149	
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	459550	300.000	112	

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a11.d
Date : 02-JUL-2014 20:45
Client ID: 8260-CAL8
Sample Info: 8260-CAL8,71823:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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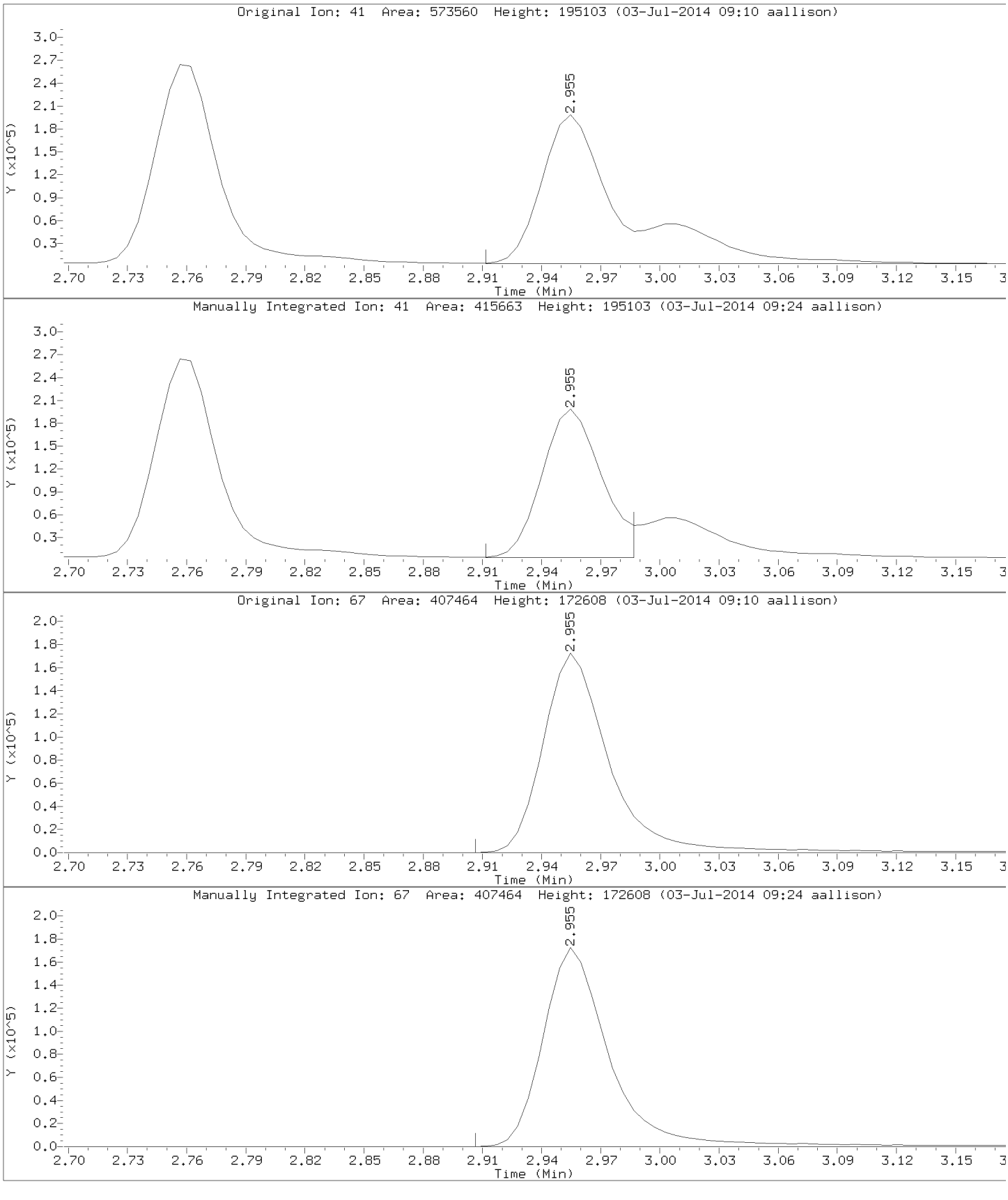
Injection Date: 02-JUL-2014 20:45
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL8

Compound: Methacrylonitrile
CAS Number: 126-98-7



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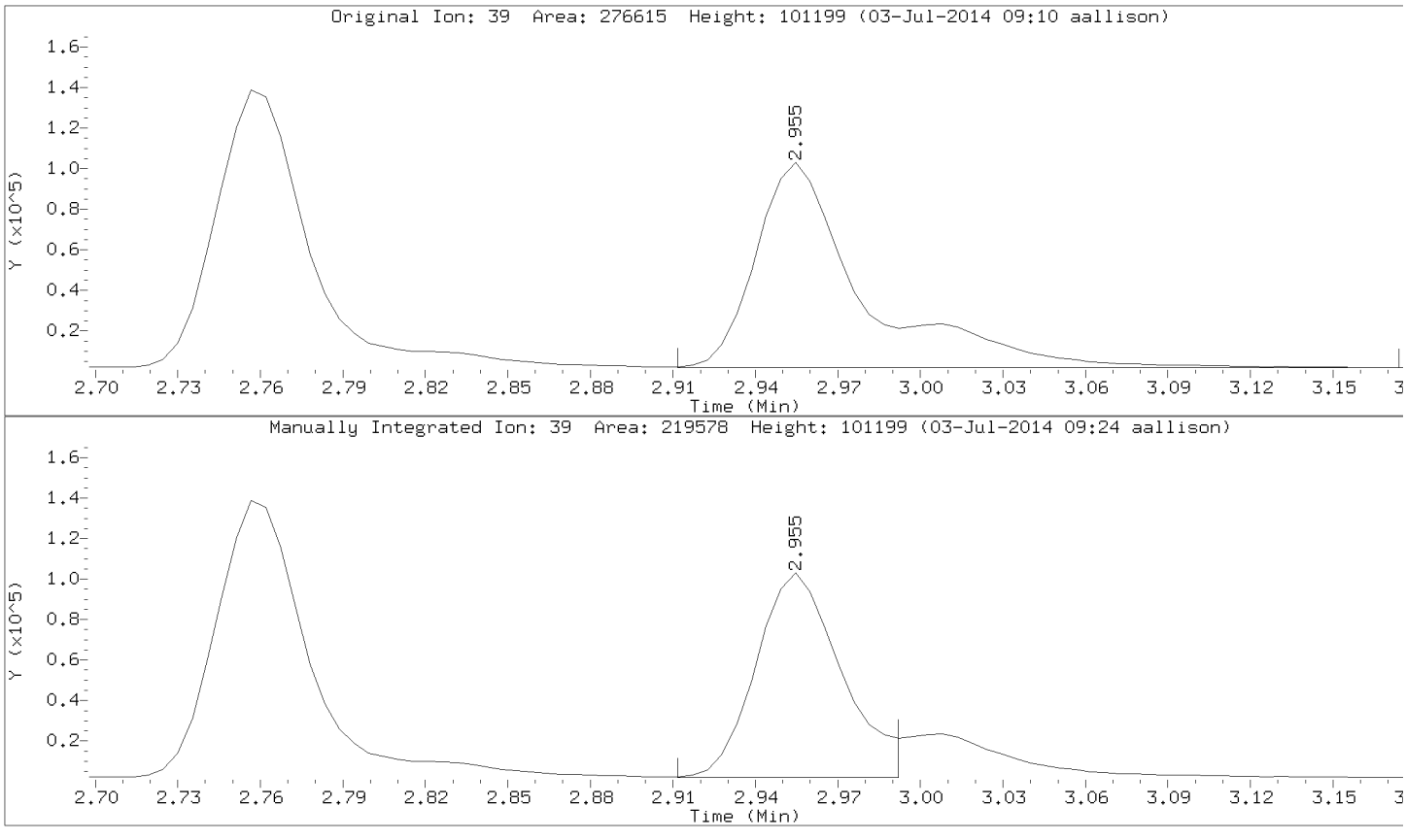
Injection Date: 02-JUL-2014 20:45
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL8



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a01.d
Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
Inj Date : 03-JUL-2014 17:23
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal1,71924:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 2 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

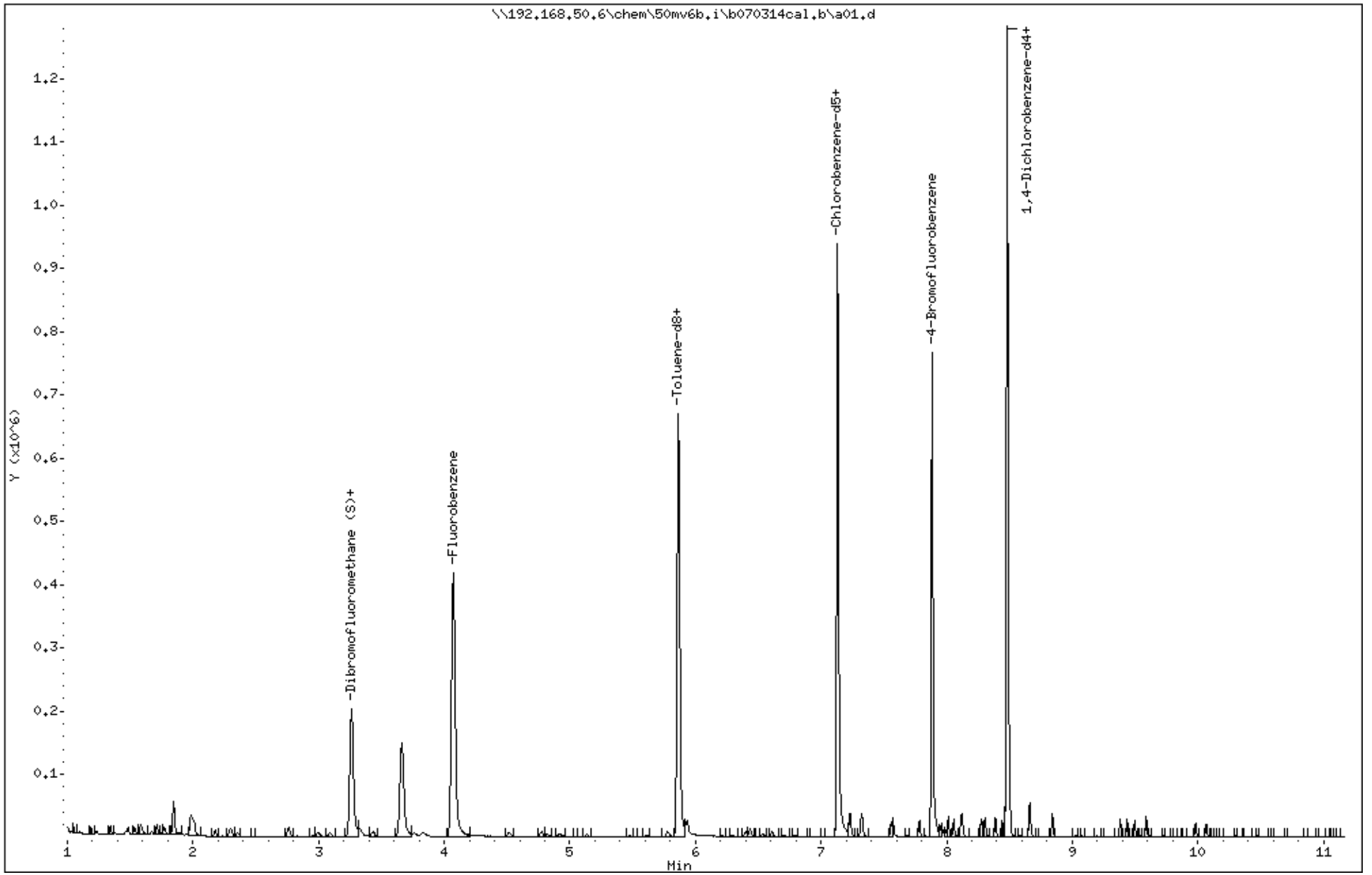
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	4809	1.00000	1.38(T)
2	Chloromethane	50	1.002	1.001	(0.246)	2979	1.00000	1.45
3	Vinyl Chloride	62	1.050	1.050	(0.258)	3479	1.00000	1.27(Q)
4	Bromomethane	94	1.189	1.189	(0.292)	4980	1.00000	4.08
5	Chloroethane	64	1.237	1.231	(0.304)	1607	1.00000	1.70(M)
6	Trichlorofluoromethane	101	1.344	1.338	(0.330)	5692	1.00000	1.42
8	Diethyl ether	74	1.462	1.461	(0.359)	958	1.00000	0.738
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	2736	1.00000	0.854
9	Acrolein	56	1.536	1.531	(0.377)	6043	20.0000	29.9
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	2366	1.00000	0.791
13	Iodomethane	142	1.670	1.670	(0.410)	3049	2.00000	0.901
14	Carbon Disulfide	76	1.713	1.713	(0.421)	12293	2.00000	1.76
15	allyl chloride	41	1.772	1.772	(0.435)	4020	2.00000	1.69
19	Acrylonitrile	53	1.981	1.980	(0.486)	20662	20.0000	19.9
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.490)	8407	2.00000	1.21
21	1,2-Dichloroethene (trans)	96	2.007	2.007	(0.493)	2950	1.00000	0.779
24	Vinyl Acetate	43	2.296	2.291	(0.564)	10014	4.00000	2.74
23	1,1-Dichloroethane	63	2.307	2.301	(0.567)	4942	1.00000	0.861
26	1,2-Dichloroethene (cis)	96	2.762	2.756	(0.678)	3202	1.00000	0.795
30	Bromochloromethane	49	2.992	2.981	(0.735)	2099	1.00000	0.911
32	Chloroform	83	3.093	3.082	(0.760)	5196	1.00000	0.907
$ 33	Dibromofluoromethane (S)	113	3.259	3.254	(0.800)	137181	50.0000	58.9
34	1,1,1-Trichloroethane	97	3.254	3.248	(0.799)	2877	1.00000	0.640

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	35 Cyclohexane	56	3.329	3.323	(0.817)	3304	1.00000	0.643
	37 1,1-Dichloropropene	75	3.430	3.430	(0.842)	2599	1.00000	0.555
	39 Benzene	78	3.666	3.660	(0.900)	8954	1.00000	0.729
	141 2,2,4-Trimethylpentane	57	3.832	3.826	(0.941)	6721	1.00000	0.615
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	482646	50.0000	
	42 Trichloroethene	95	4.516	4.511	(1.109)	2292	1.00000	0.649
	43 Methylcyclohexane	55	4.773	4.768	(1.172)	2328	1.00000	0.599
	45 Dibromomethane	93	4.917	4.912	(1.208)	1441	1.00000	0.716
	50 4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	5770	5.00000	2.66
$	51 Toluene-d8	98	5.864	5.859	(0.822)	428000	50.0000	45.8
	52 Toluene	91	5.934	5.928	(0.832)	11575	1.00000	0.751
	55 1,1,2-Trichloroethane	83	6.399	6.394	(0.897)	1365	1.00000	0.484
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	2700	1.00000	0.593
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	2522	1.00000	0.477
	58 2-Hexanone	43	6.608	6.603	(0.926)	4962	5.00000	3.19
	59 Dibromochloromethane	129	6.715	6.710	(0.941)	1328	1.00000	0.364
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	1517	1.00000	0.439
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	384074	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	7834	1.00000	0.756
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.013)	1324	1.00000	0.446(Q)
	64 Ethylbenzene	106	7.234	7.228	(1.014)	3938	1.00000	0.743
	65 m&p-Xylene	106	7.325	7.325	(1.027)	9808	2.00000	1.47
	67 o-Xylene	106	7.560	7.560	(1.060)	4310	1.00000	0.766
	68 Styrene	104	7.576	7.576	(1.062)	6832	1.00000	0.665
	70 Isopropylbenzene	105	7.785	7.779	(1.091)	11145	1.00000	0.824
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	162246	50.0000	55.3
	74 Bromobenzene	77	7.951	7.951	(1.115)	4766	1.00000	0.992
	75 1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	730	1.00000	0.651(Q)
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	14086	1.00000	0.742
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	9558	1.00000	0.819
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	9796	1.00000	0.842
	79 4-Chlorotoluene	126	8.127	8.127	(0.958)	3341	1.00000	0.699
	80 tert-Butylbenzene	119	8.272	8.277	(0.975)	11007	1.00000	0.918
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	9515	1.00000	0.797
	83 1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	6801	1.00000	0.830
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	213013	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	7582	1.00000	0.870(Q)
	92 Naphthalene	128	9.497	9.502	(1.119)	11175	1.00000	1.38(M)

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a01.d
Date : 03-JUL-2014 17:23
Client ID: 8260-CAL1
Instrument: 50mv6b.i
Sample Info: 8260-CAL1,71924:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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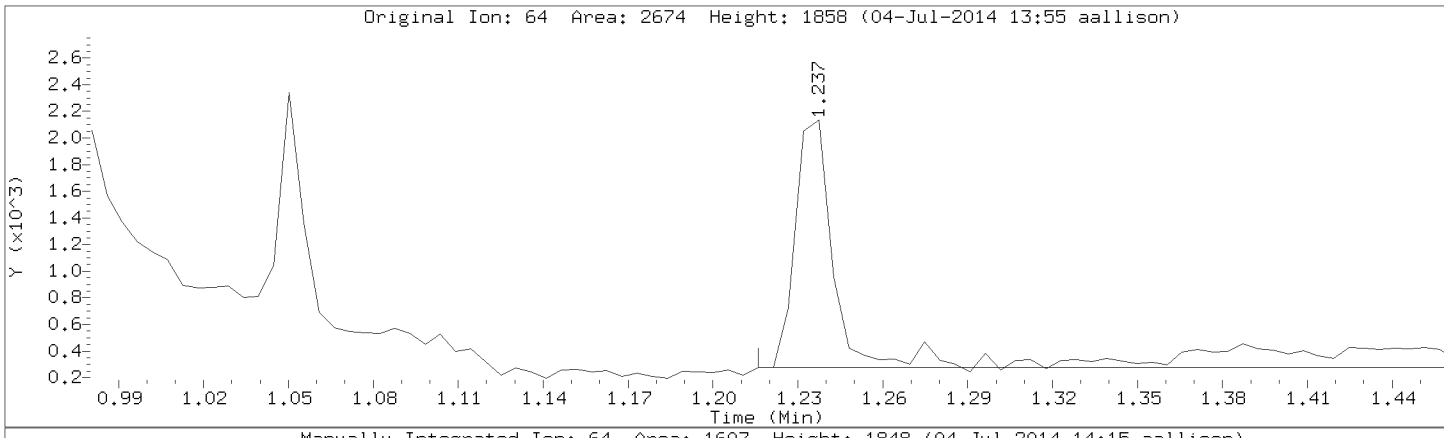
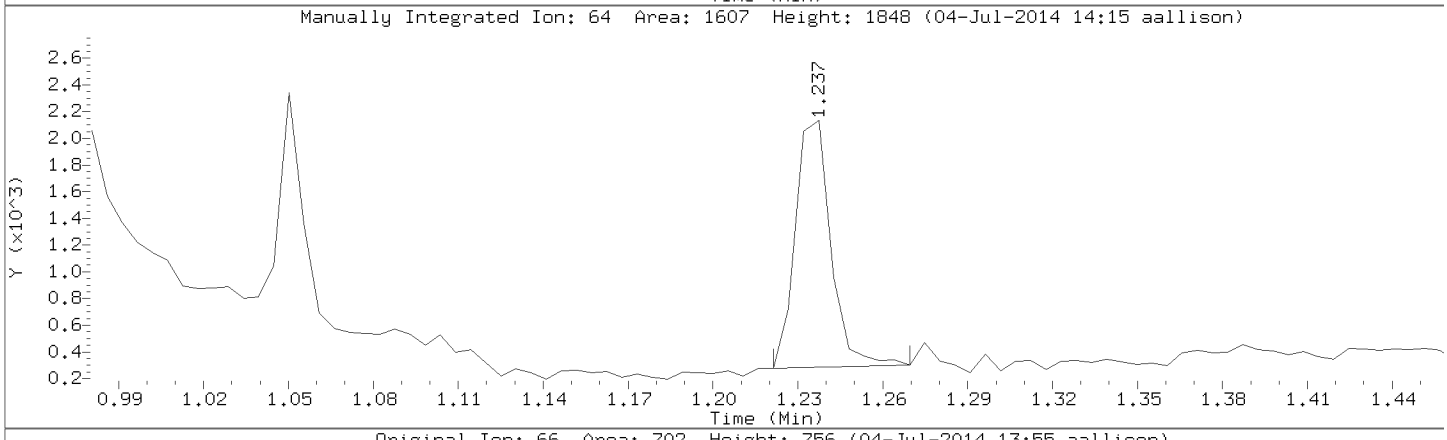
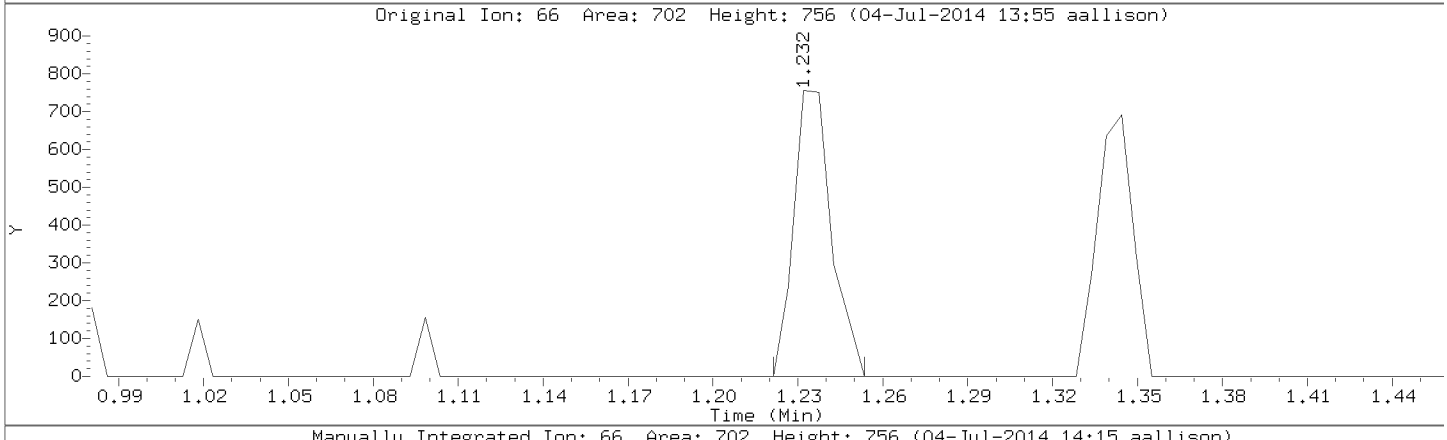
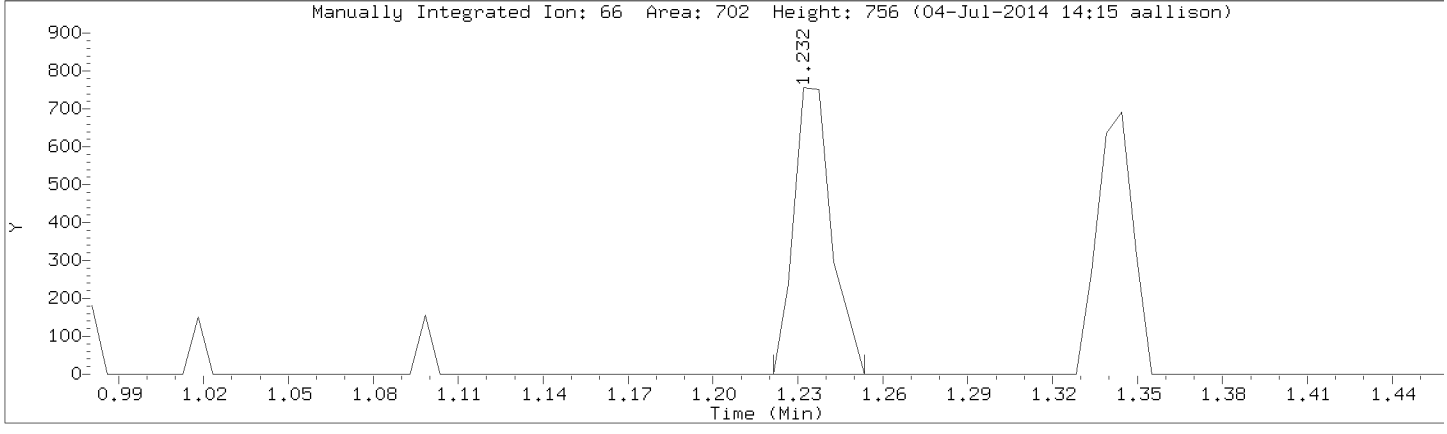
Injection Date: 03-JUL-2014 17:23
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL1

Compound: Chloroethane
CAS Number: 75-00-3



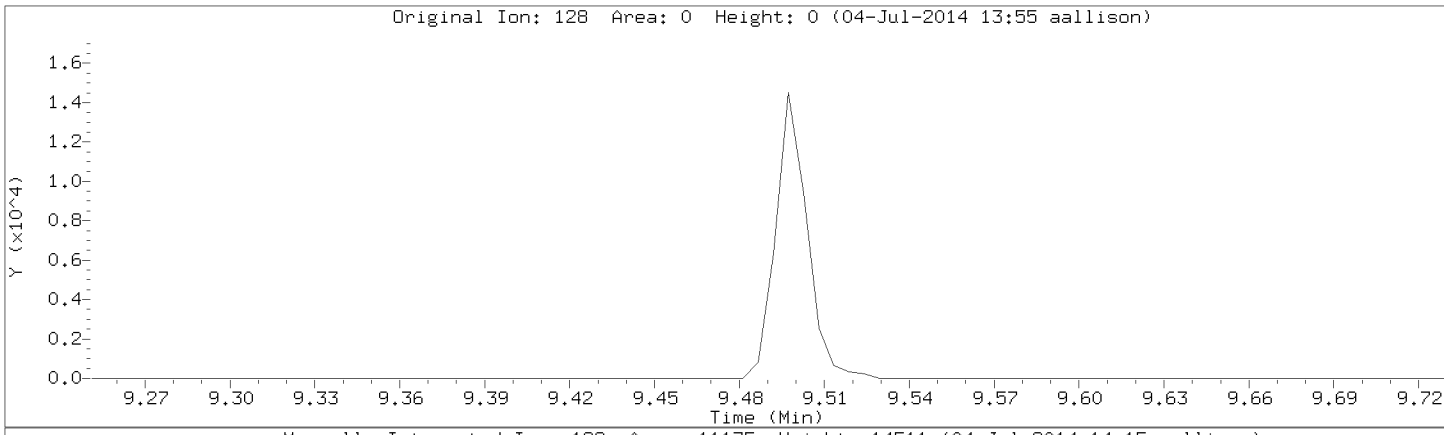


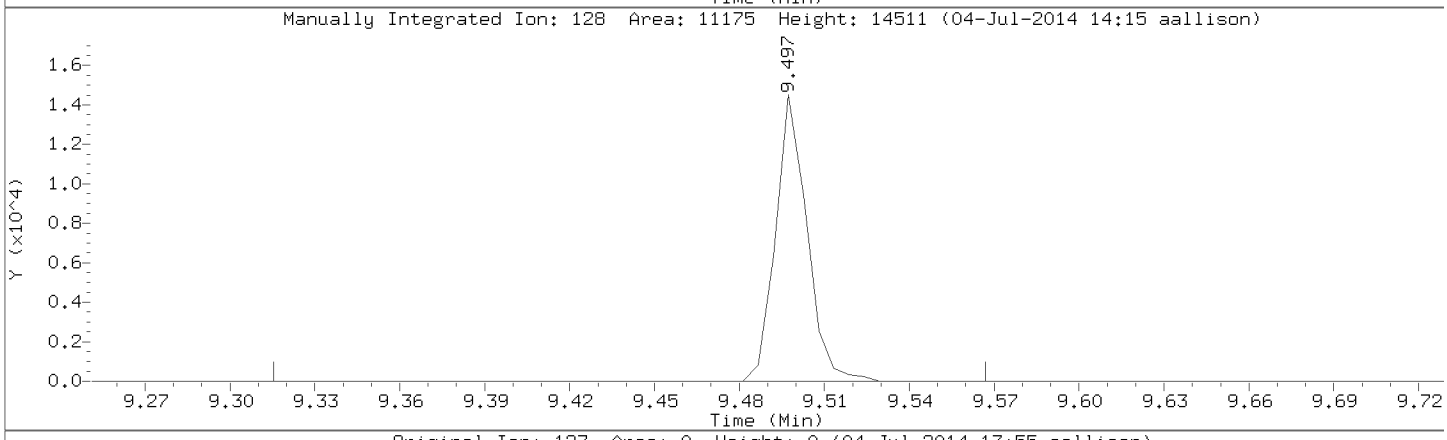


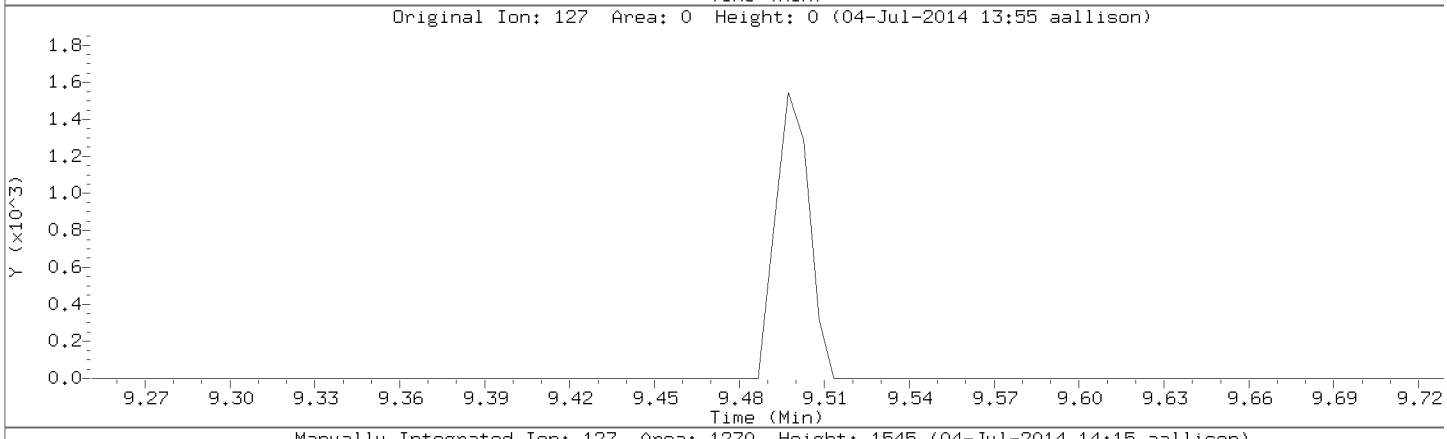


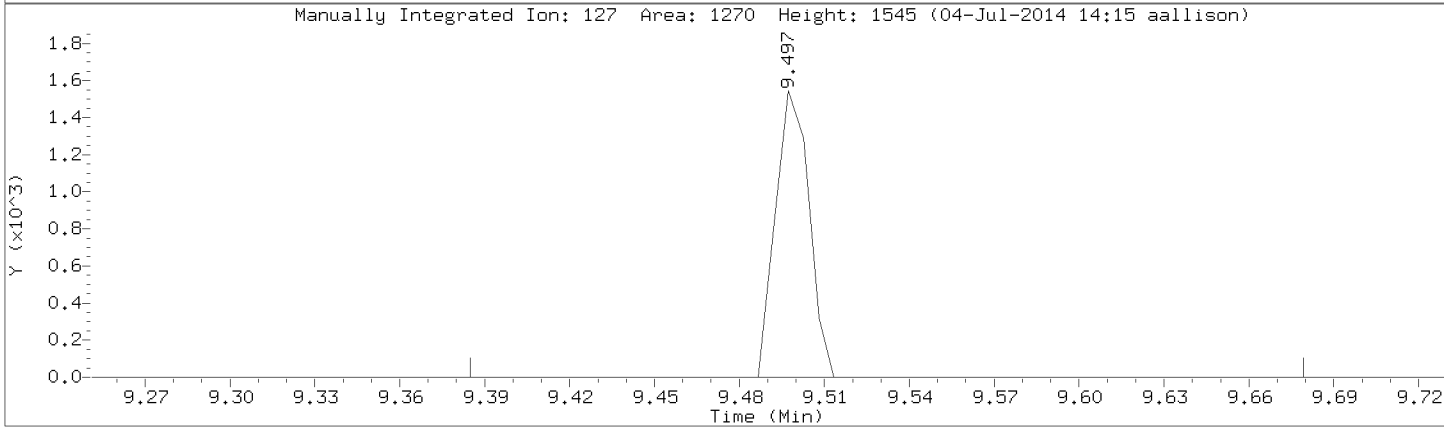
Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a01.d
Injection Date: 03-JUL-2014 17:23
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL1

Compound: Naphthalene
CAS Number: 91-20-3









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a02.d
Lab Smp Id: 8260-CAL2 Client Smp ID: 8260-CAL2
Inj Date : 03-JUL-2014 17:51
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal2,71925:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	6744	2.00000	1.50
2	Chloromethane	50	1.002	1.001	(0.246)	5290	2.00000	1.93
3	Vinyl Chloride	62	1.050	1.050	(0.258)	5300	2.00000	1.57
4	Bromomethane	94	1.189	1.189	(0.292)	8803	2.00000	2.61
5	Chloroethane	64	1.237	1.231	(0.304)	2798	2.00000	2.02(M)
6	Trichlorofluoromethane	101	1.344	1.338	(0.330)	8847	2.00000	1.68
8	Diethyl ether	74	1.462	1.461	(0.359)	3083	2.00000	2.51
7	1,2-dichlorotrifluoroethane	67	1.483	1.478	(0.364)	7950	2.00000	2.46
9	Acrolein	56	1.537	1.531	(0.377)	9026	40.0000	32.9
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	6668	2.00000	2.29
11	1,1-Dichloroethene	96	1.585	1.585	(0.389)	6339	2.00000	2.20(M)
12	Acetone	43	1.601	1.601	(0.393)	7415	10.0000	15.0(M)
13	Iodomethane	142	1.670	1.670	(0.410)	5727	4.00000	1.56
14	Carbon Disulfide	76	1.719	1.713	(0.422)	33587	4.00000	4.71
16	Methyl Acetate	43	1.761	1.756	(0.433)	3135	2.00000	2.51
143	Acetonitrile	39	1.777	1.772	(0.437)	9116	2.00000	2.47
15	allyl chloride	41	1.777	1.772	(0.437)	11670	4.00000	4.88
17	Methylene Chloride	84	1.847	1.841	(0.454)	28443	2.00000	9.13(M)
18	tert-Butyl Alcohol	59	1.890	1.889	(0.464)	1018	4.00000	4.89(Q)
19	Acrylonitrile	53	1.981	1.980	(0.486)	60195	40.0000	53.3
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.490)	28003	4.00000	4.61
21	1,2-Dichloroethene (trans)	96	2.013	2.007	(0.494)	9302	2.00000	2.54
22	n-Hexane	57	2.179	2.173	(0.535)	8827	2.00000	1.65

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.291	(0.564)	17020	8.00000	4.28
	23 1,1-Dichloroethane	63	2.307	2.301	(0.567)	14683	2.00000	2.53
	147 chloroprene	53	2.355	2.350	(0.578)	8617	2.00000	1.84
	28 2-Butanone	43	2.751	2.745	(0.676)	13200	10.0000	11.0
	26 1,2-Dichloroethene (cis)	96	2.767	2.756	(0.679)	9581	2.00000	2.44
	27 2,2-Dichloropropane	77	2.767	2.761	(0.679)	4589	2.00000	1.51
	149 Propionitrile	54	2.815	2.810	(0.691)	759	2.00000	1.58(Q)
	144 Methacrylonitrile	41	2.954	2.943	(0.725)	3062	2.00000	2.28
	30 Bromochloromethane	49	2.986	2.981	(0.733)	6335	2.00000	2.65
	31 Tetrahydrofuran	42	3.002	3.002	(0.737)	2868	2.00000	3.98(M)
	32 Chloroform	83	3.093	3.082	(0.760)	14798	2.00000	2.49
$	33 Dibromofluoromethane (S)	113	3.265	3.254	(0.802)	142712	50.0000	51.8
	34 1,1,1-Trichloroethane	97	3.259	3.248	(0.800)	9097	2.00000	2.27
	35 Cyclohexane	56	3.334	3.323	(0.819)	9772	2.00000	2.13
	36 Carbon Tetrachloride	117	3.430	3.419	(0.842)	6470	2.00000	1.57
	37 1,1-Dichloropropene	75	3.436	3.430	(0.844)	8393	2.00000	2.12
	39 Benzene	78	3.677	3.660	(0.903)	27362	2.00000	2.37
	40 1,2-Dichloroethane	62	3.767	3.756	(0.925)	9415	2.00000	2.38
	38 Isobutyl alcohol	43	3.842	3.826	(0.944)	3183	2.00000	1.71(M)
	141 2,2,4-Trimethylpentane	57	3.837	3.826	(0.942)	19352	2.00000	2.02
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	524762	50.0000	
	42 Trichloroethene	95	4.516	4.511	(1.109)	7057	2.00000	2.23
	43 Methylcyclohexane	55	4.773	4.768	(1.172)	6176	2.00000	1.83
	44 1,2-Dichloropropane	63	4.827	4.816	(1.185)	5926	2.00000	1.85(M)
	45 Dibromomethane	93	4.918	4.912	(1.208)	4478	2.00000	2.38
	142 1,4-Dioxane	88	4.928	4.923	(1.210)	1585	40.0000	36.6
	46 Methyl methacrylate	69	4.934	4.928	(1.211)	2257	2.00000	1.38
	47 Bromodichloromethane	83	5.137	5.131	(1.261)	7768	2.00000	1.89
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	3093	4.00000	2.12
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	5691	2.00000	1.000
	50 4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	19126	10.0000	10.7
$	51 Toluene-d8	98	5.865	5.859	(0.822)	459042	50.0000	47.7
	52 Toluene	91	5.934	5.928	(0.832)	32350	2.00000	2.23
	53 trans-1,3-Dichloropropene	75	6.212	6.207	(0.871)	3136	2.00000	0.761
	54 Ethyl Methacrylate	69	6.298	6.292	(0.883)	4173	2.00000	1.17(M)
	55 1,1,2-Trichloroethane	83	6.400	6.394	(0.897)	4821	2.00000	2.14
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	8521	2.00000	2.19
	57 1,3-Dichloropropane	76	6.539	6.533	(0.917)	8799	2.00000	2.10
	58 2-Hexanone	43	6.608	6.603	(0.926)	16204	10.0000	11.8
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	4832	2.00000	1.81
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	5056	2.00000	1.36
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	412748	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	23054	2.00000	2.36
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.013)	4321	2.00000	1.36(Q)
	64 Ethylbenzene	106	7.234	7.228	(1.014)	11371	2.00000	2.29
	65 m&p-Xylene	106	7.320	7.325	(1.026)	30195	4.00000	4.85
	67 o-Xylene	106	7.560	7.560	(1.060)	13755	2.00000	2.58
	68 Styrene	104	7.576	7.576	(1.062)	22514	2.00000	2.45
	69 Bromoform	173	7.683	7.683	(0.905)	2677	2.00000	1.16(M)
	70 Isopropylbenzene	105	7.785	7.779	(1.091)	33889	2.00000	2.56
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	172694	50.0000	52.0
	74 Bromobenzene	77	7.951	7.951	(1.115)	13785	2.00000	2.68
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	8376	2.00000	2.07
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	1608	2.00000	1.98(QM)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	2399	2.00000	2.46
76	n-Propylbenzene	91	8.015	8.015	(0.945)	43041	2.00000	2.47
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	28094	2.00000	2.51
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	29552	2.00000	2.62
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	10816	2.00000	2.53
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	33110	2.00000	2.73
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	30409	2.00000	2.69
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	40034	2.00000	2.63
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	20279	2.00000	2.57
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	33782	2.00000	2.60
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	224388	50.0000	
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	21981	2.00000	2.56
87	n-Butylbenzene	91	8.657	8.662	(1.020)	30260	2.00000	2.54(M)
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	19961	2.00000	2.99
89	1,2-Dibromo-3-chloropropane	155	9.032	9.031	(1.064)	1057	2.00000	2.73
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	12521	2.00000	3.34(M)
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	6604	2.00000	4.50
92	Naphthalene	128	9.497	9.502	(1.119)	29862	2.00000	2.94(M)
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	12454	2.00000	4.39(M)
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	15378	2.00000	4.25(M)
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	13156	2.00000	5.11(M)

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a02.d
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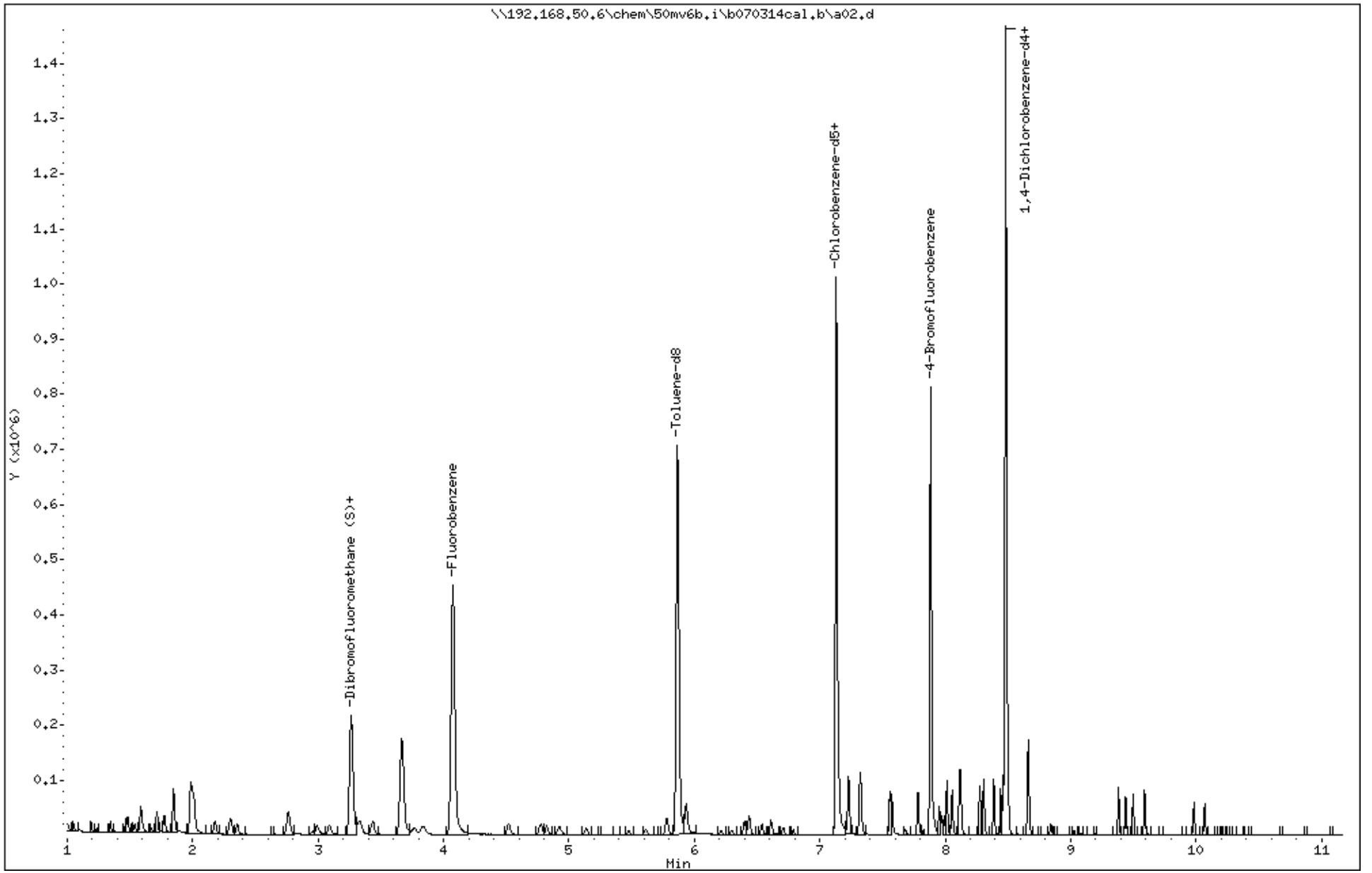
Client ID: 8260-CAL2
Sample Info: 8260-CAL2,71925:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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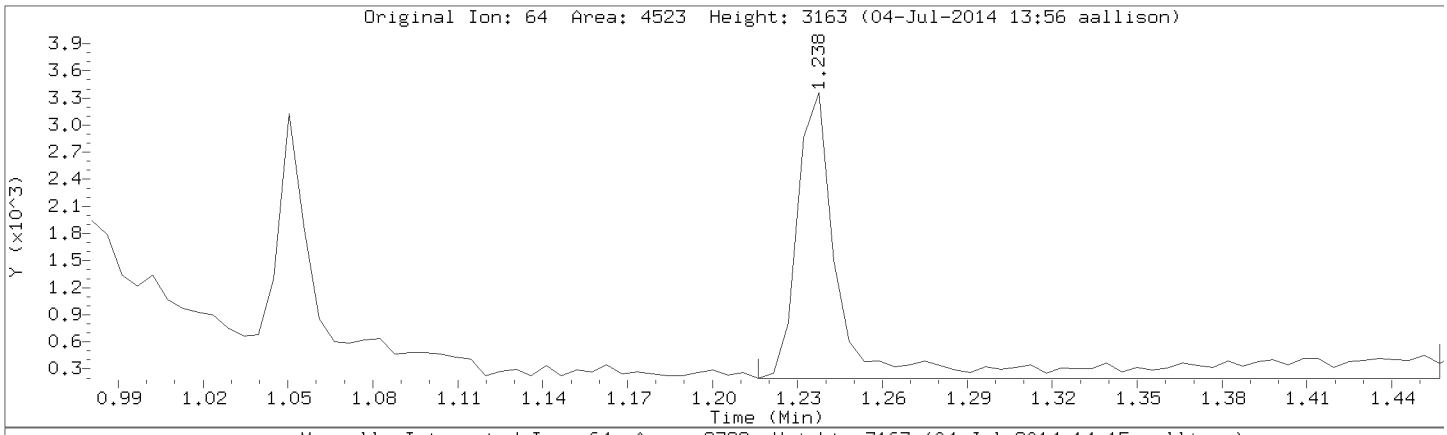
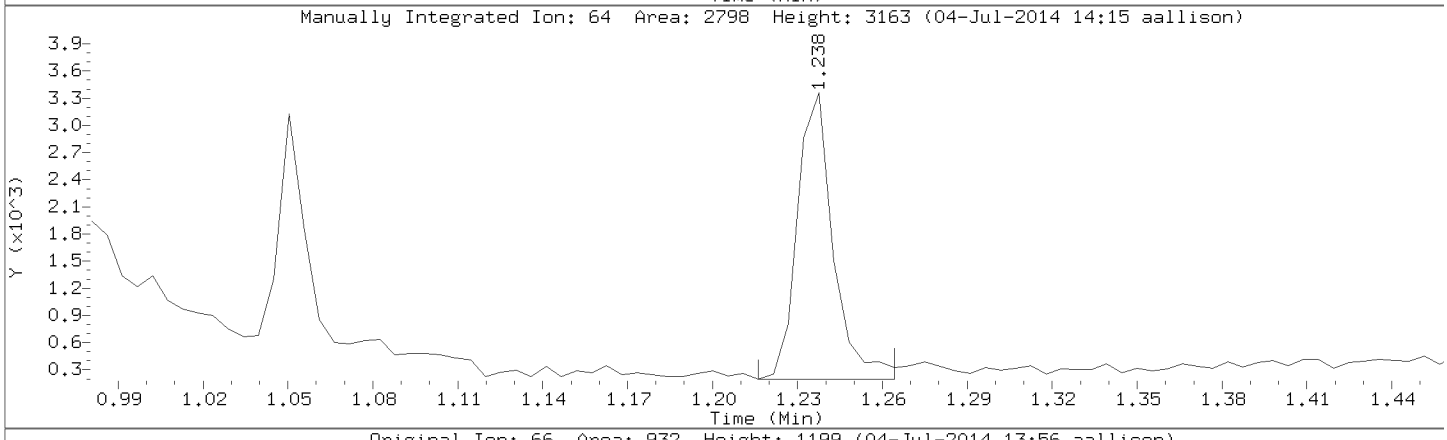
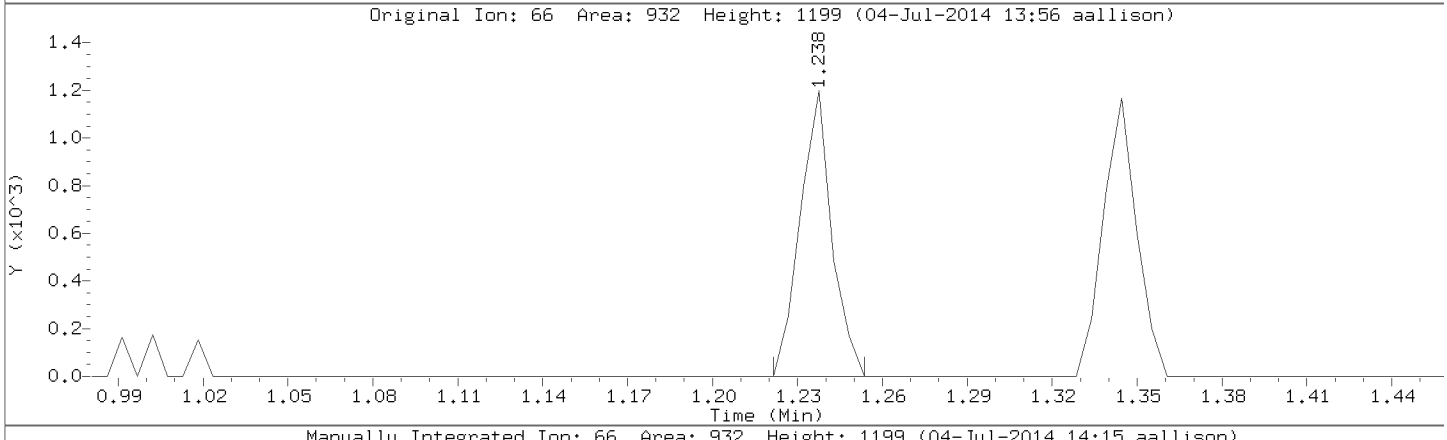
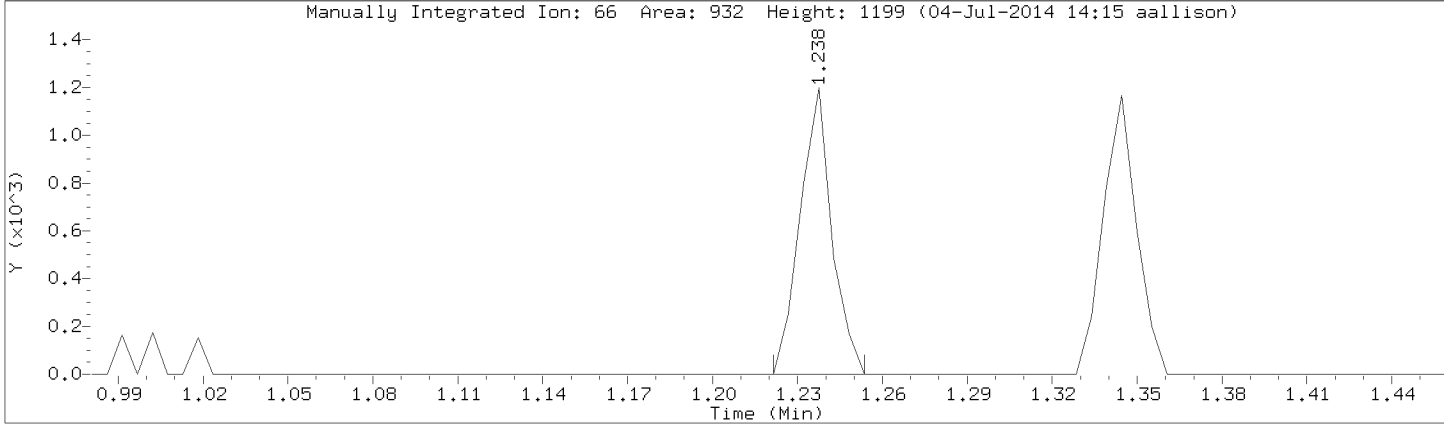
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Chloroethane
CAS Number: 75-00-3









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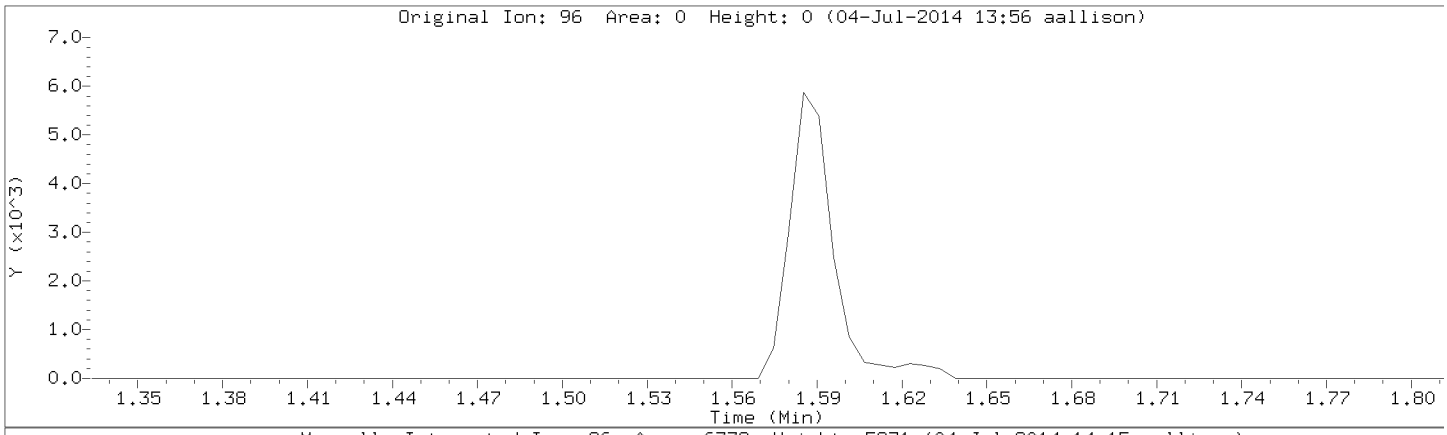
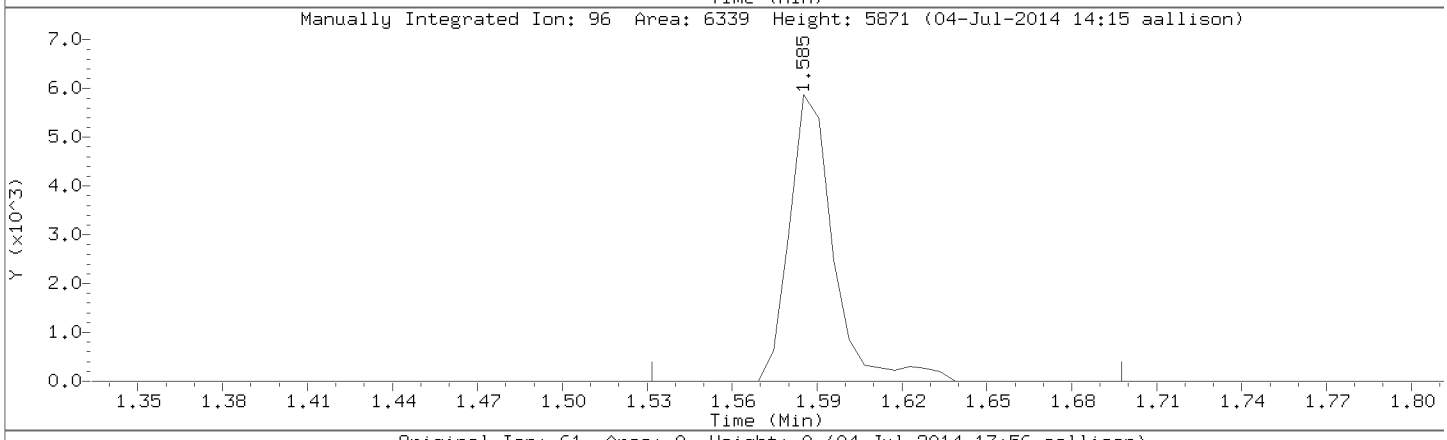
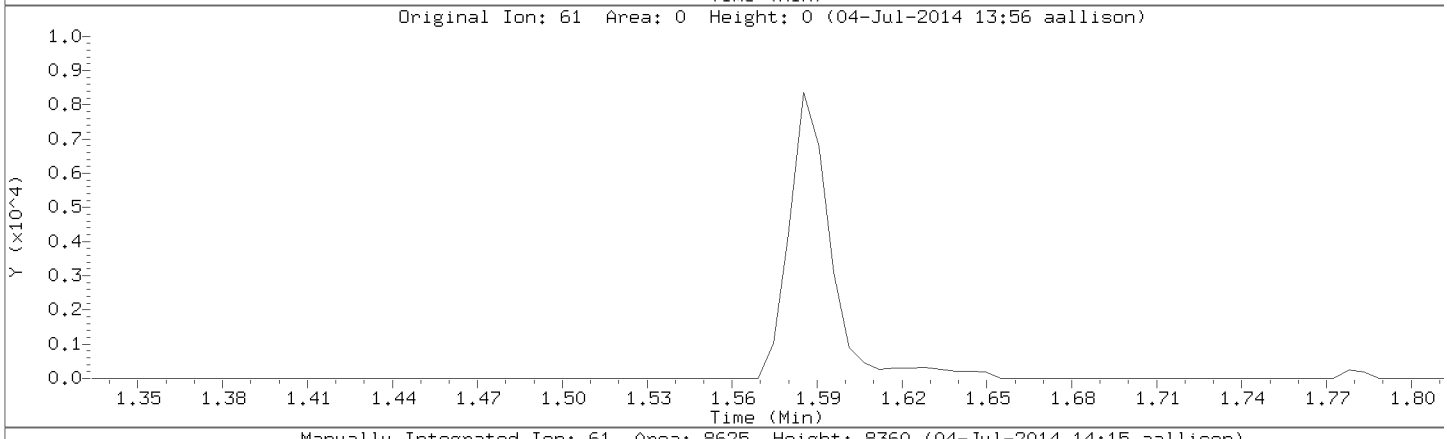
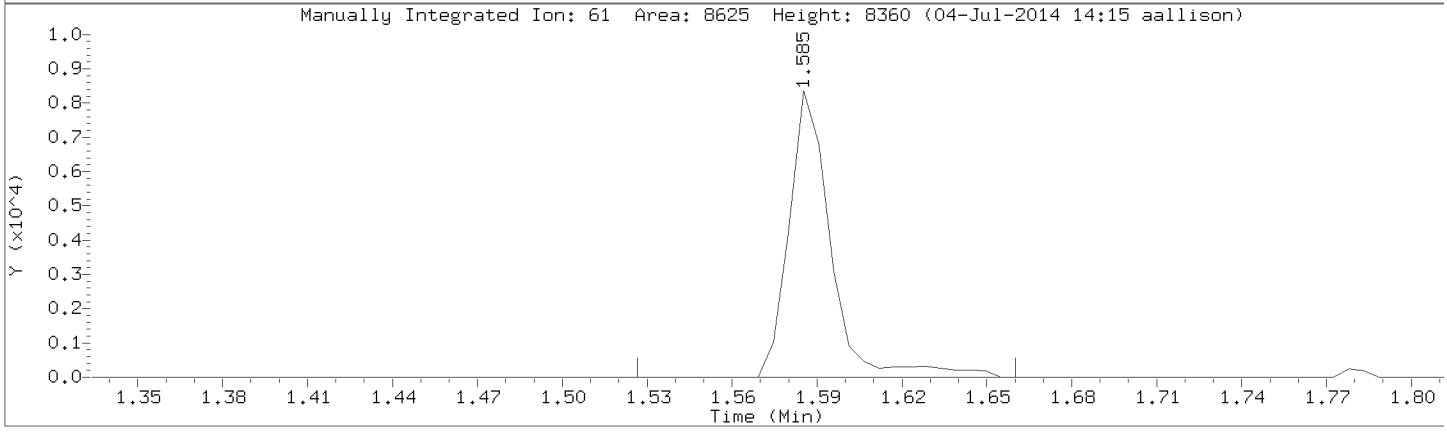
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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









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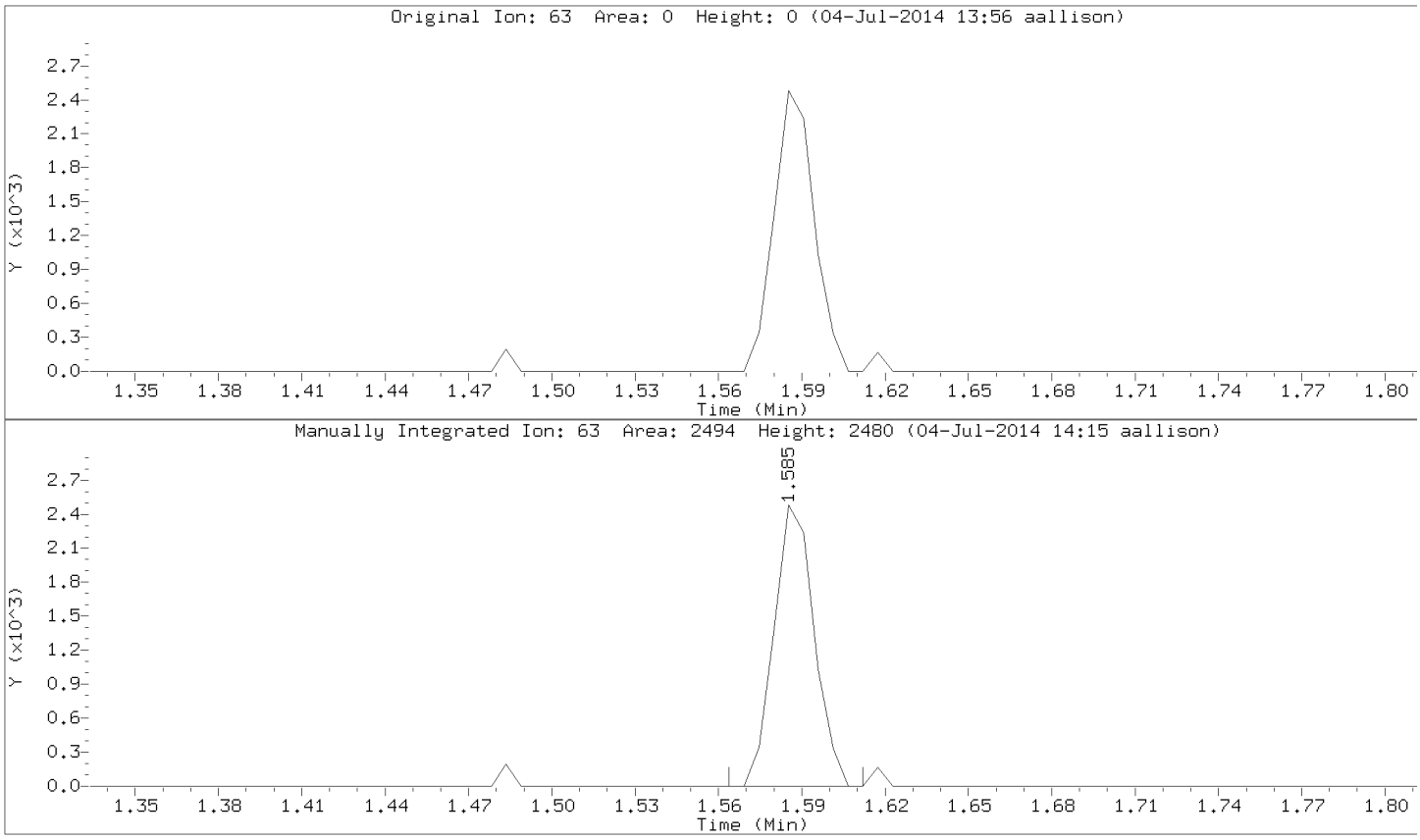

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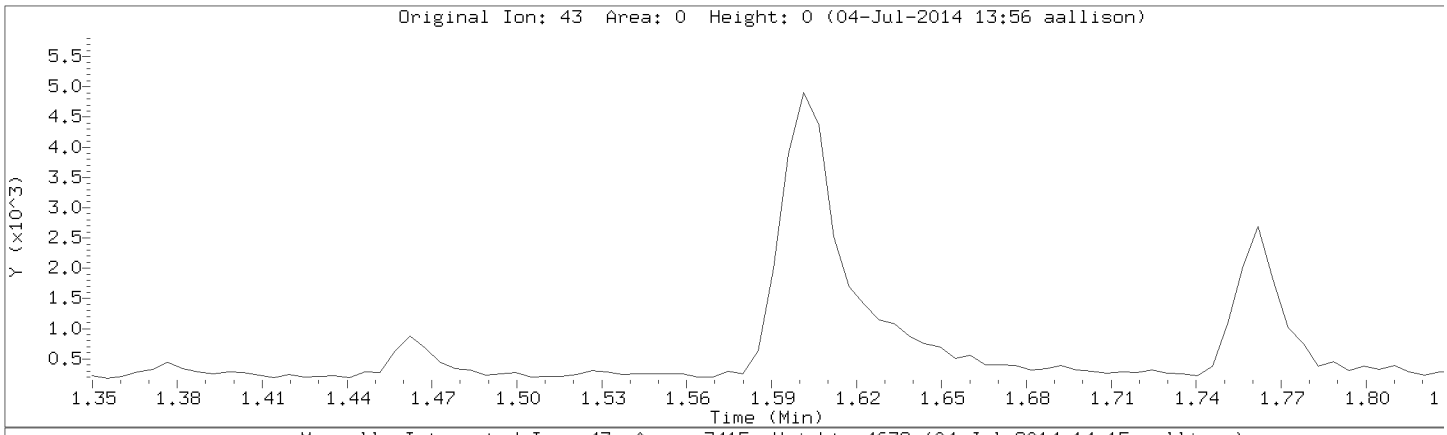
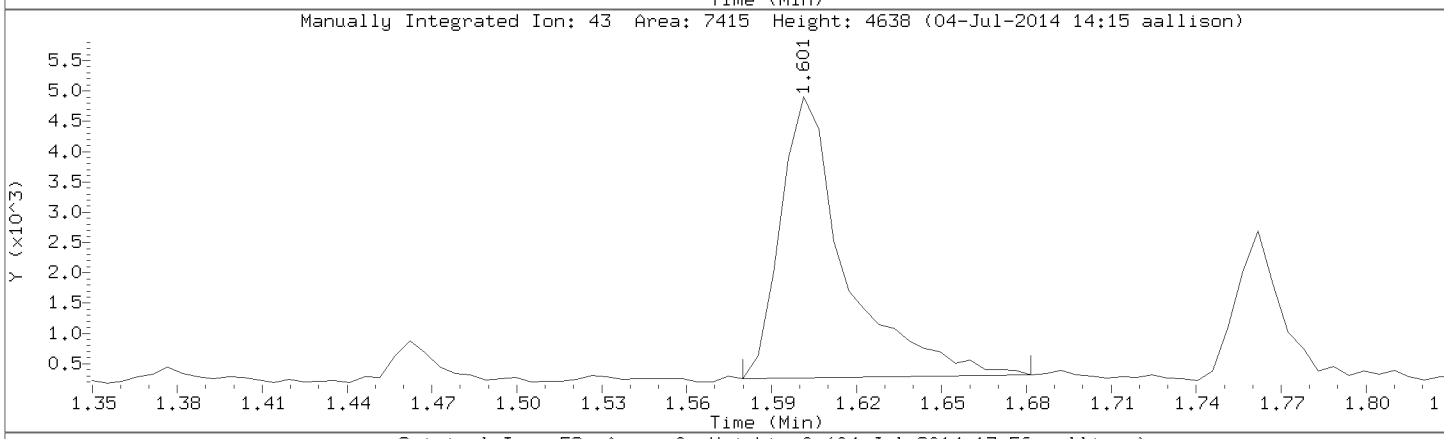
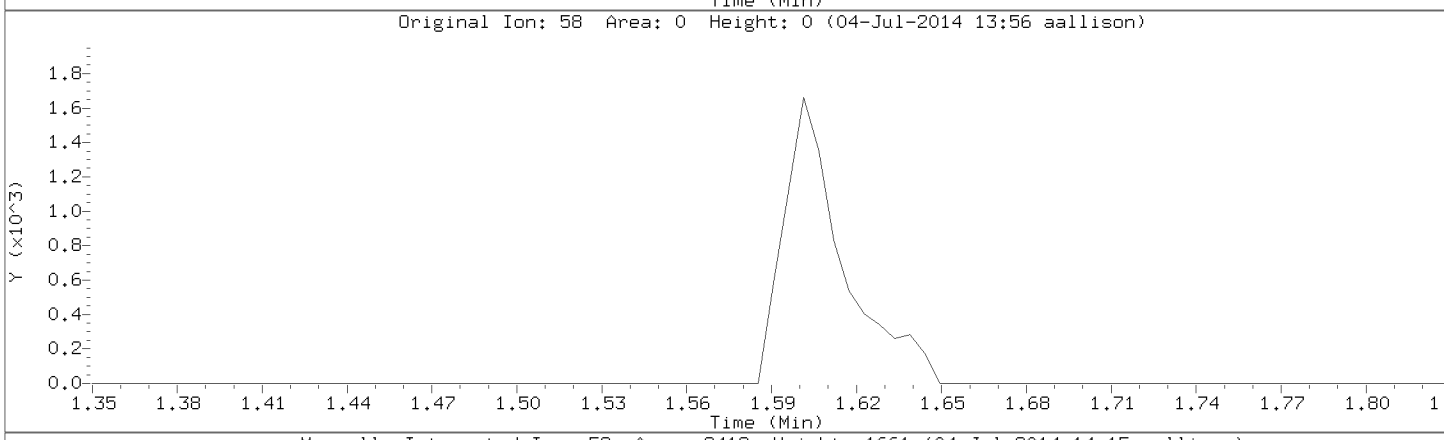
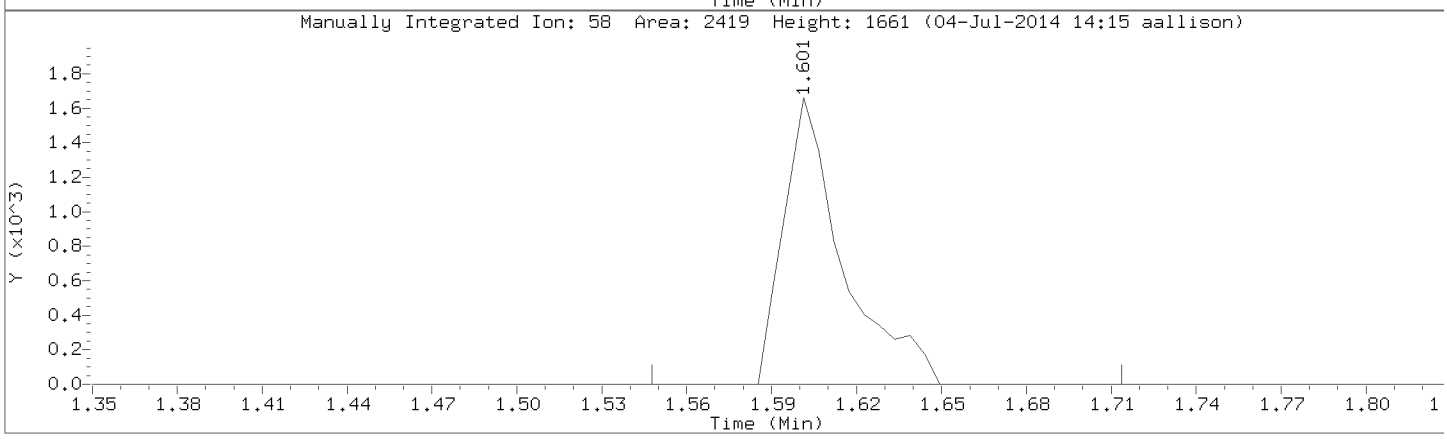
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Acetone
CAS Number: 67-64-1









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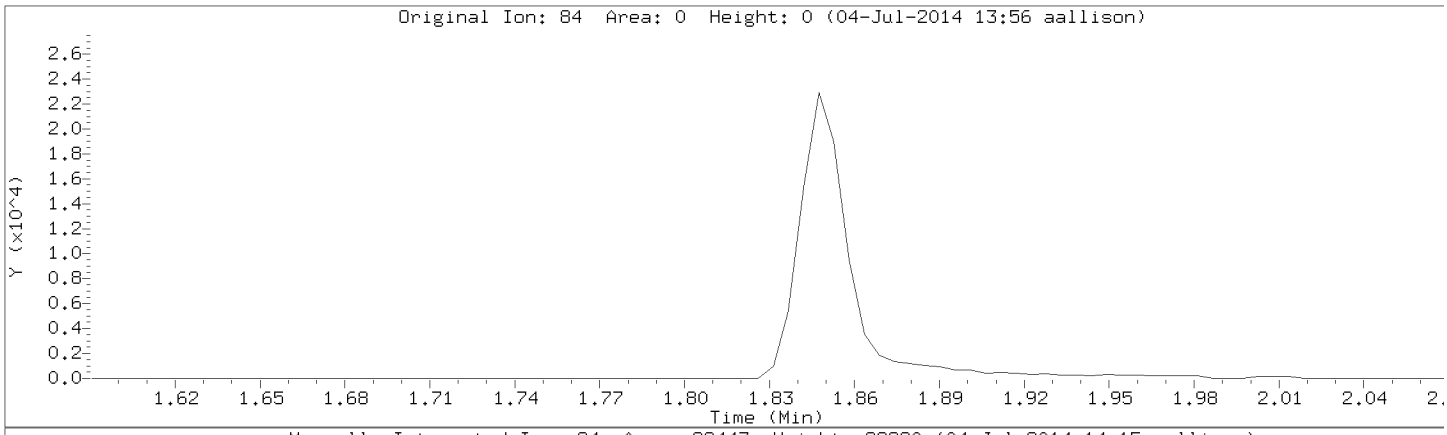
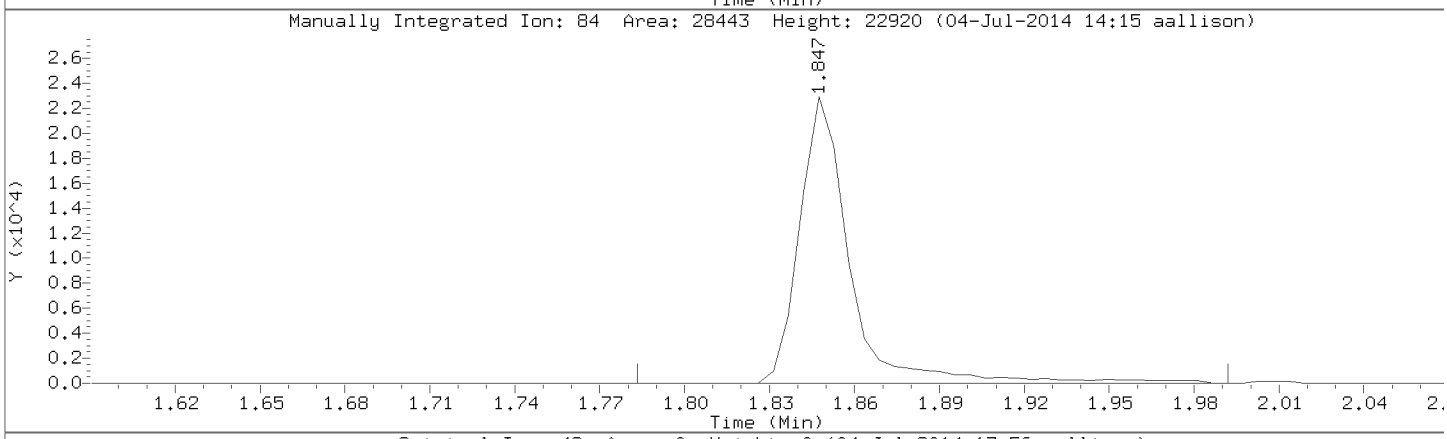
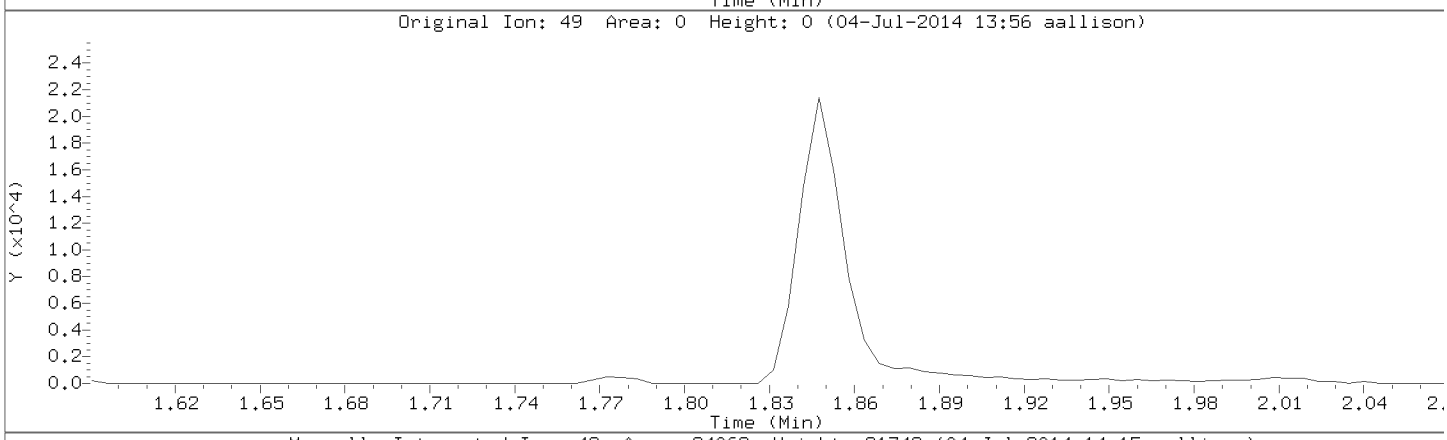
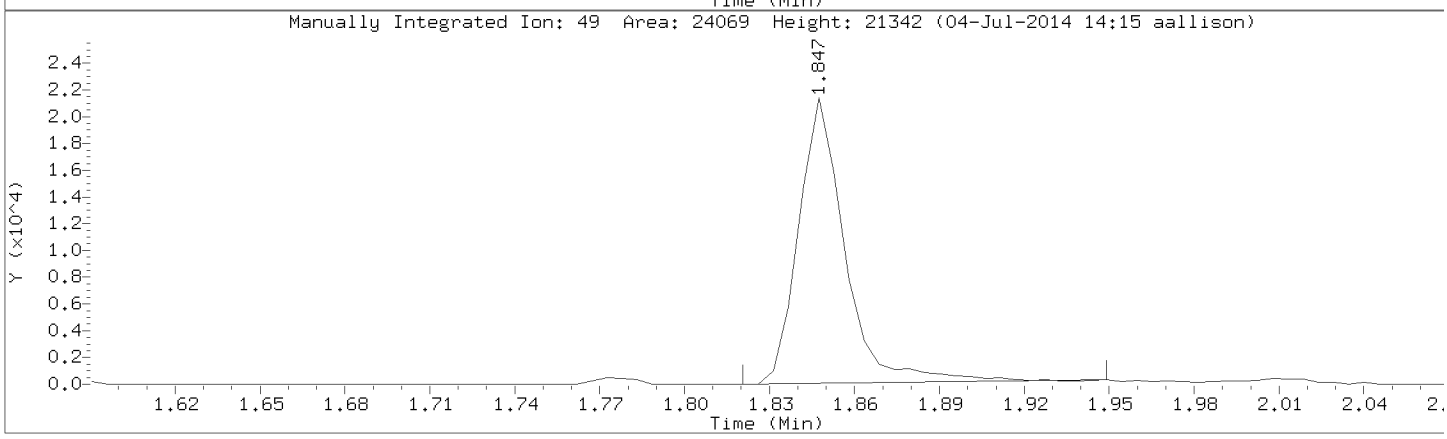
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Methylene Chloride
CAS Number: 75-09-2









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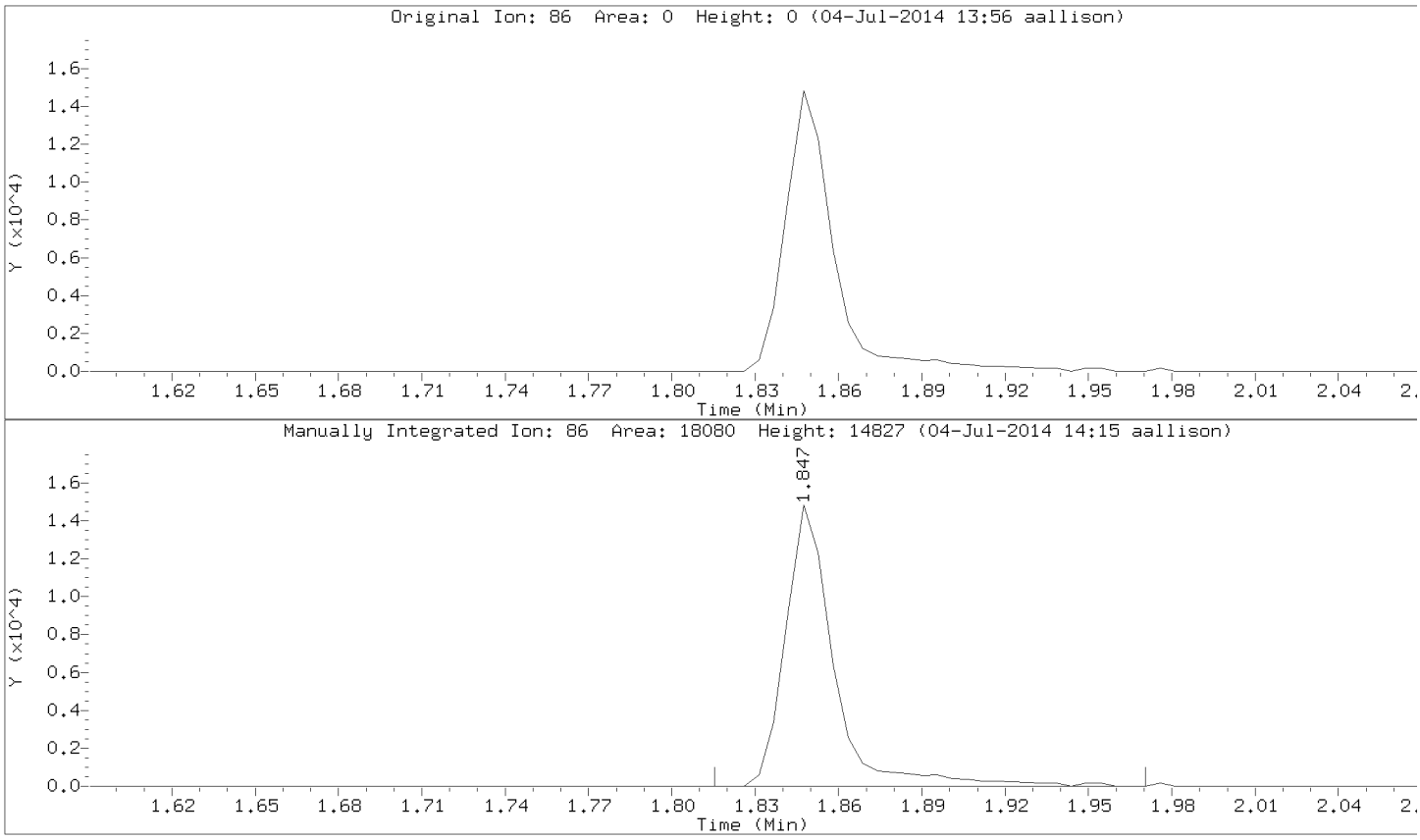
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2



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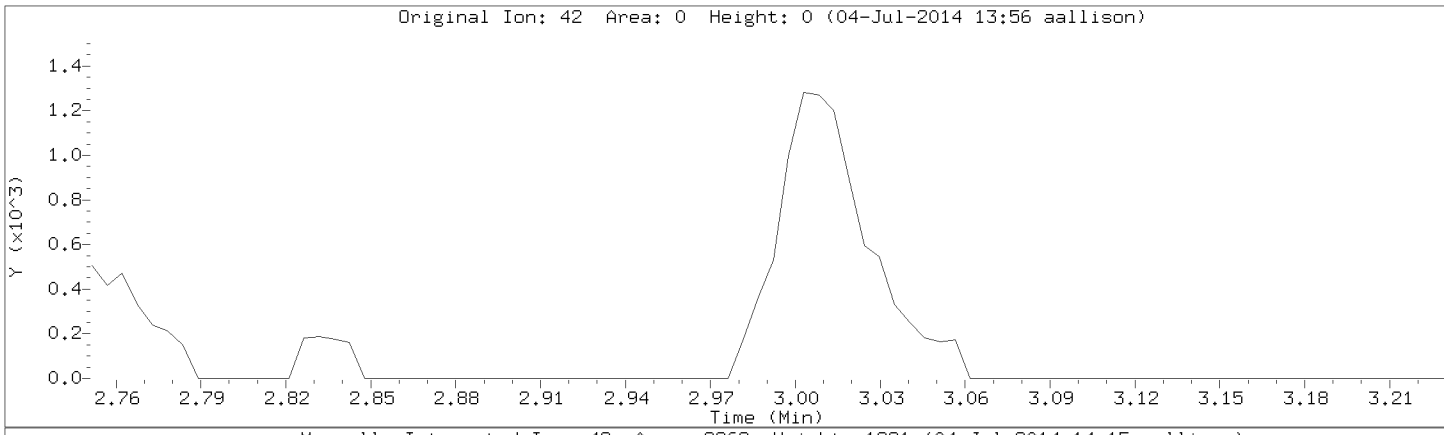
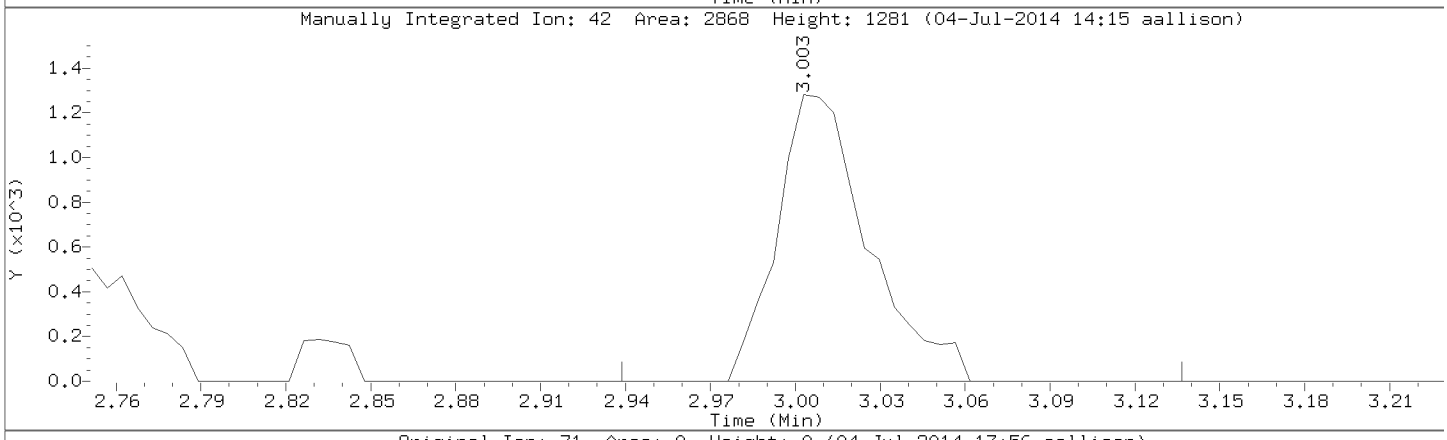
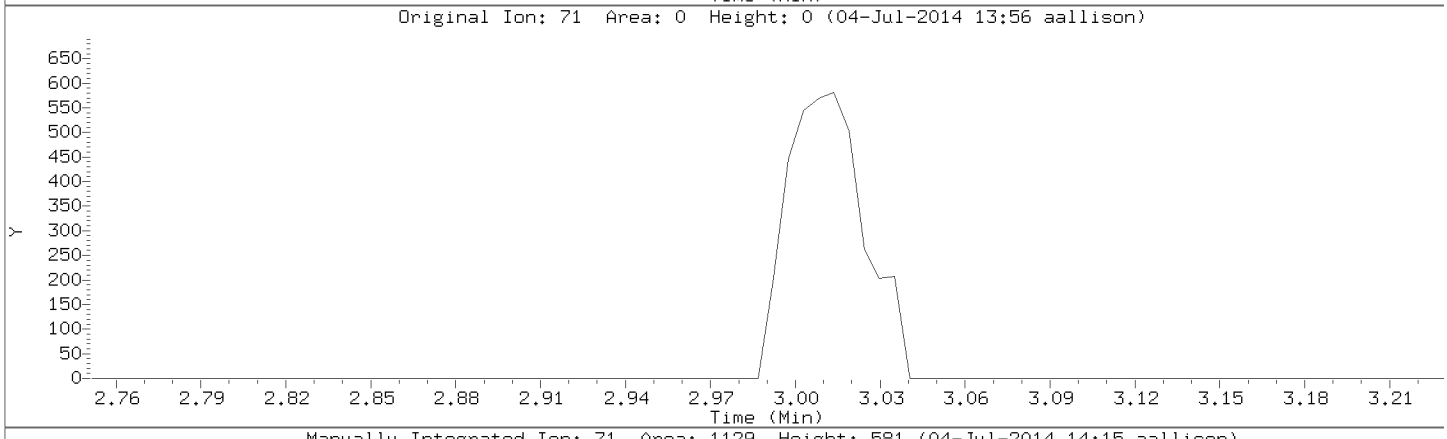
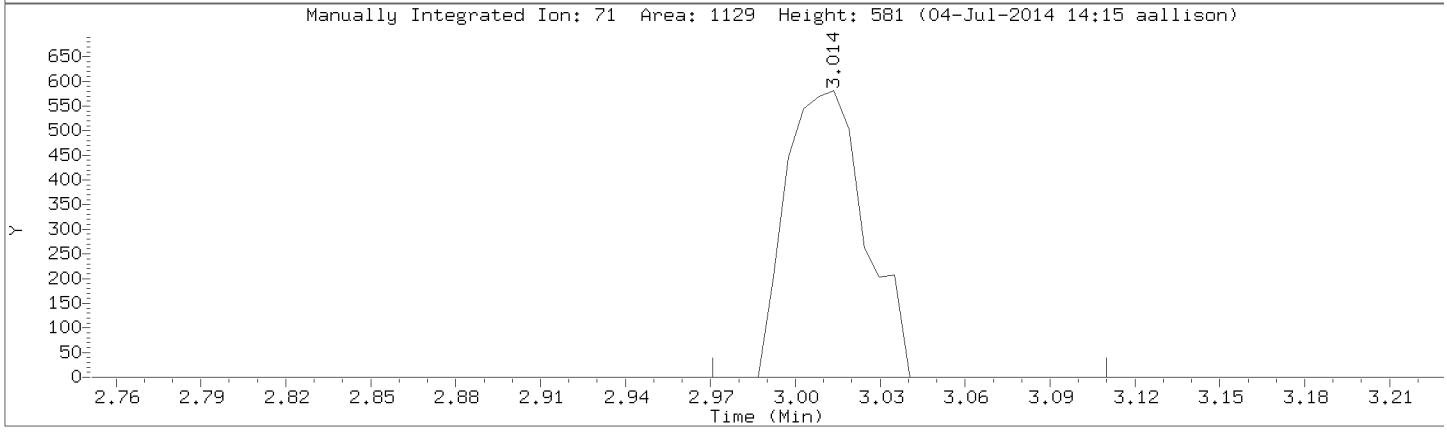
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Tetrahydrofuran
CAS Number:









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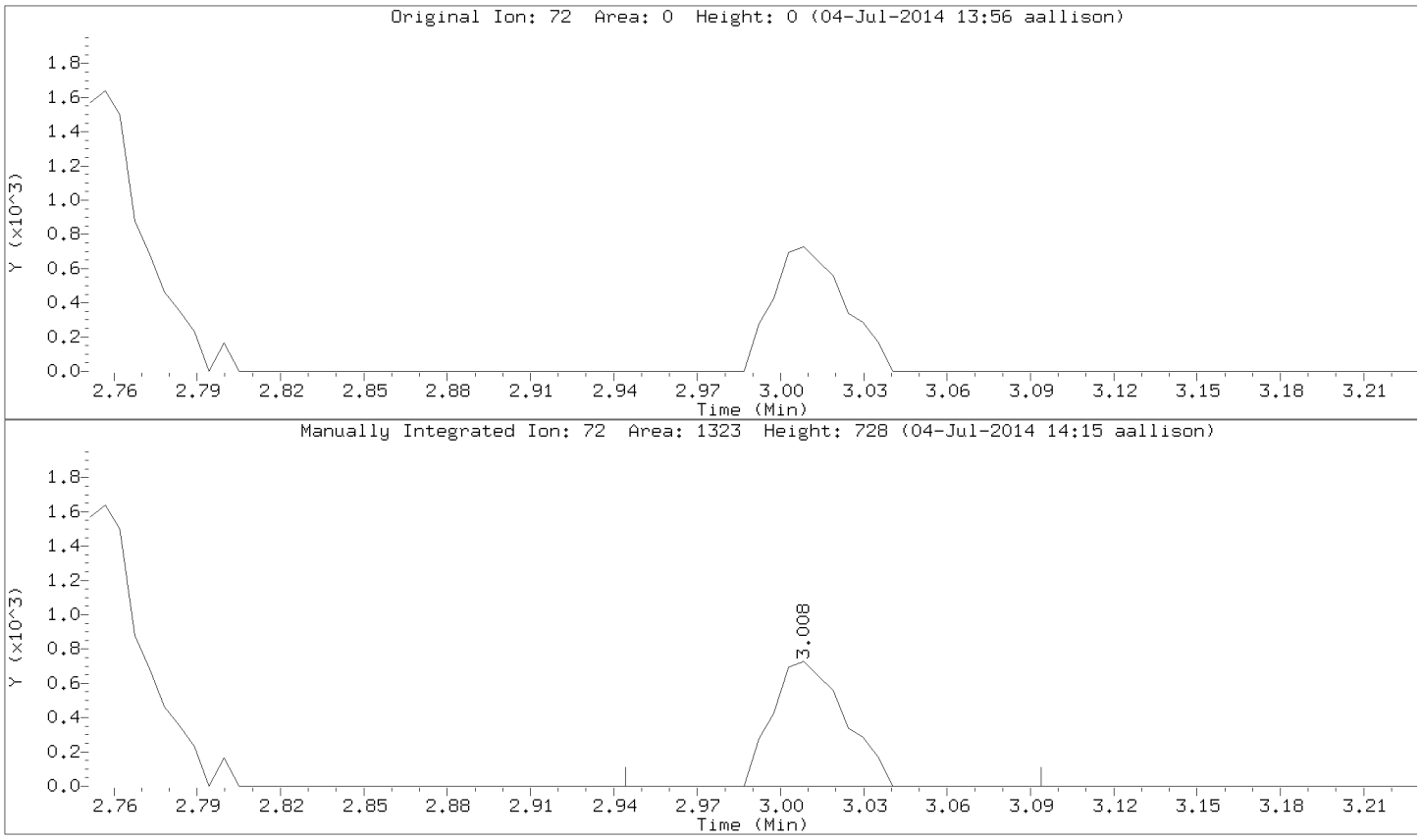
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2



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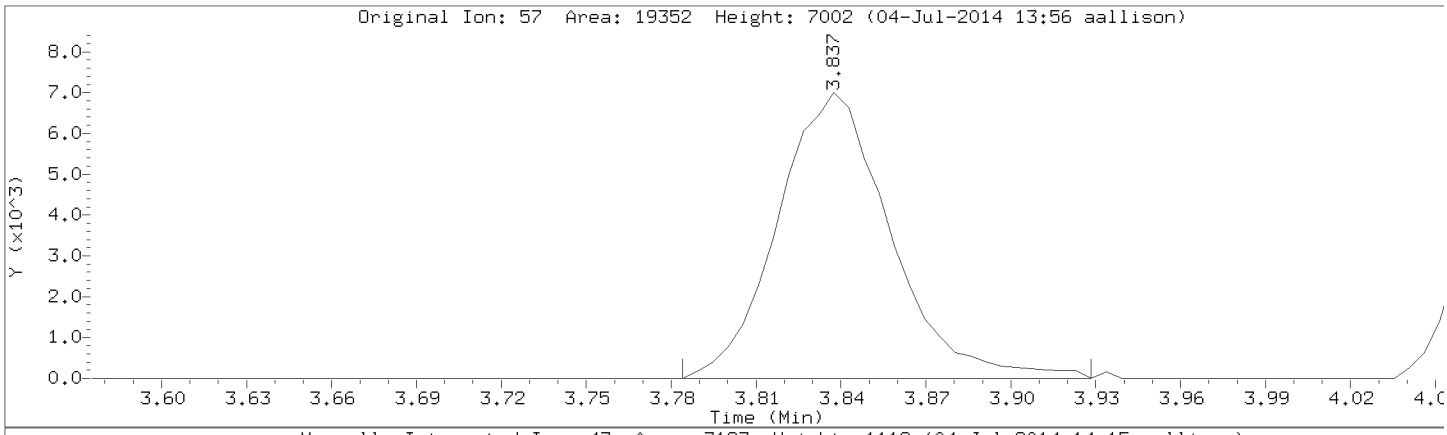
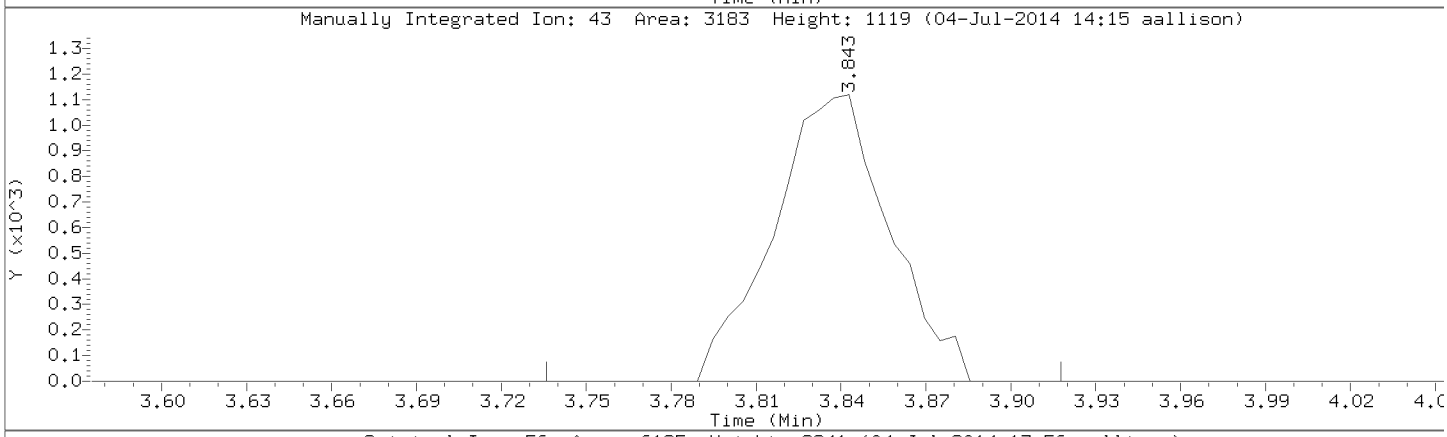
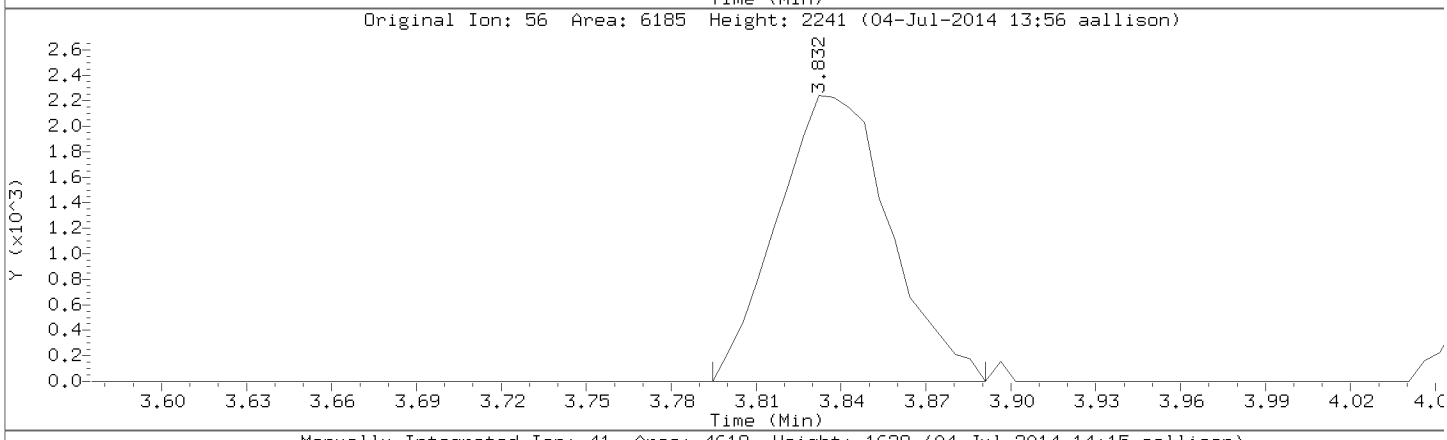
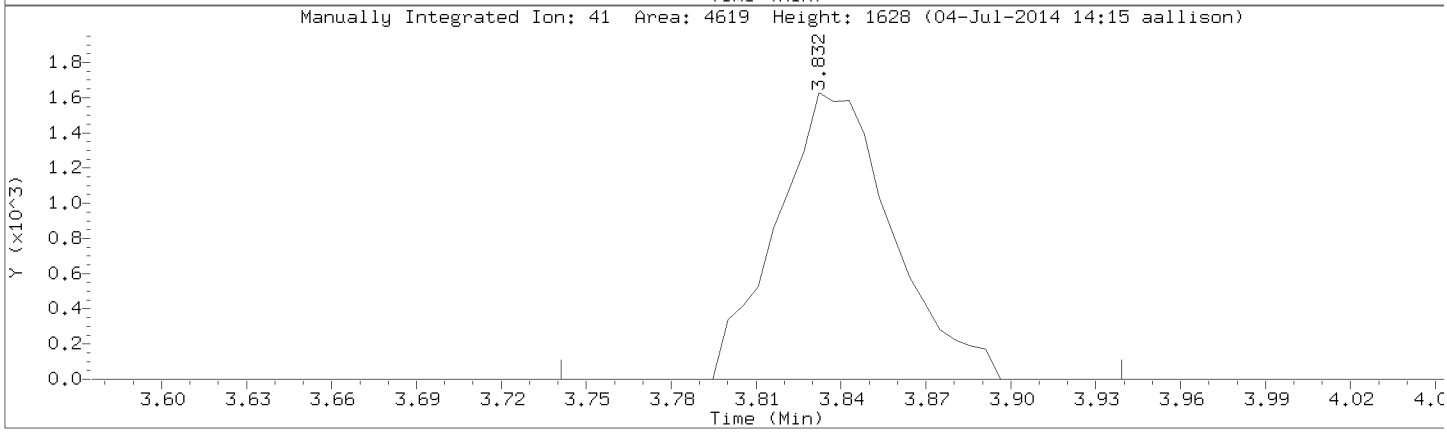
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Isobutyl alcohol
CAS Number: 78-83-1









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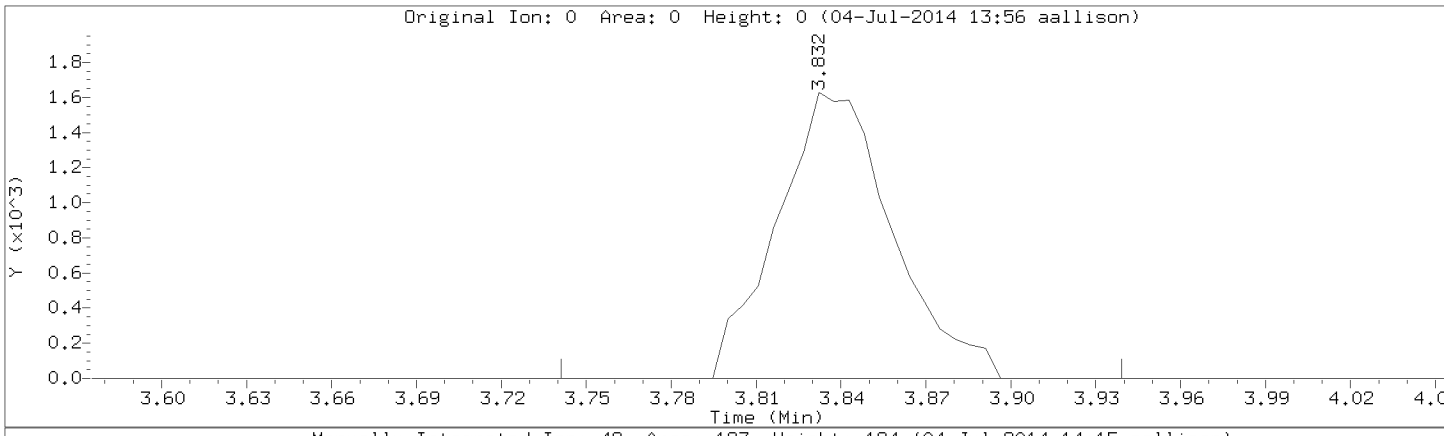
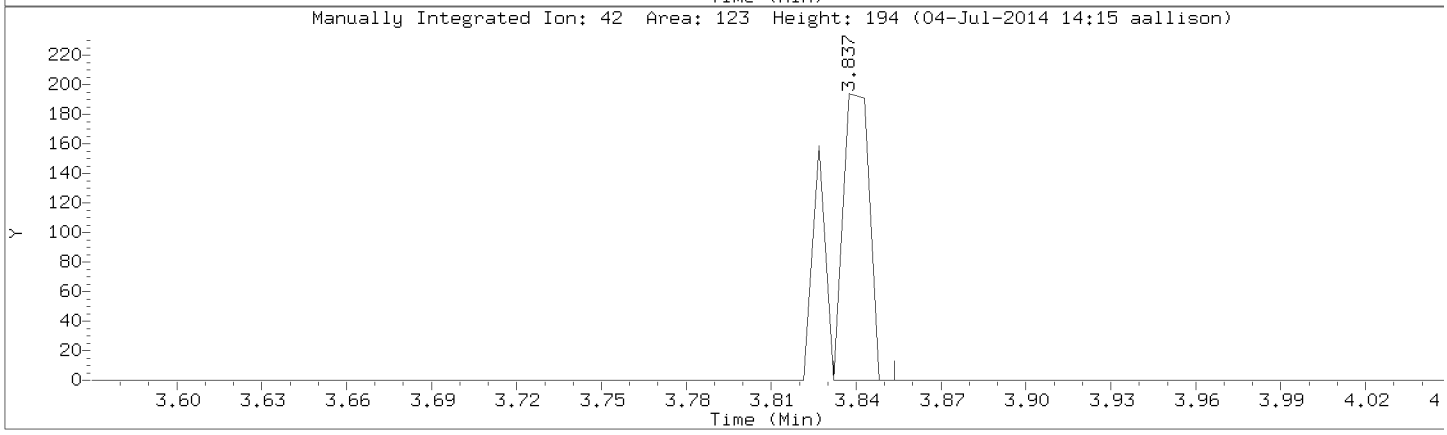
Lab Sample ID: 8260-CAL2





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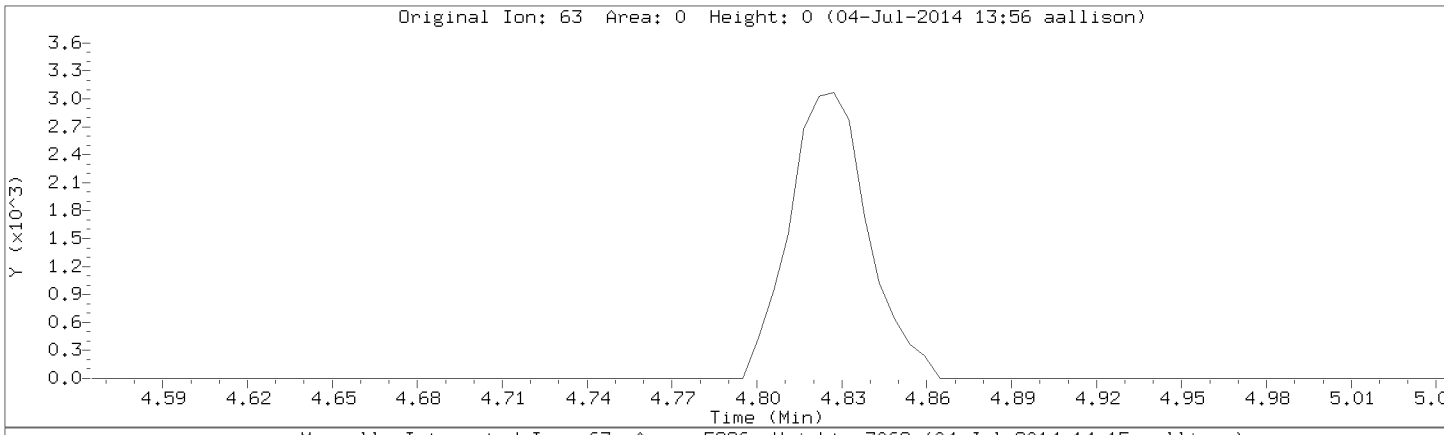
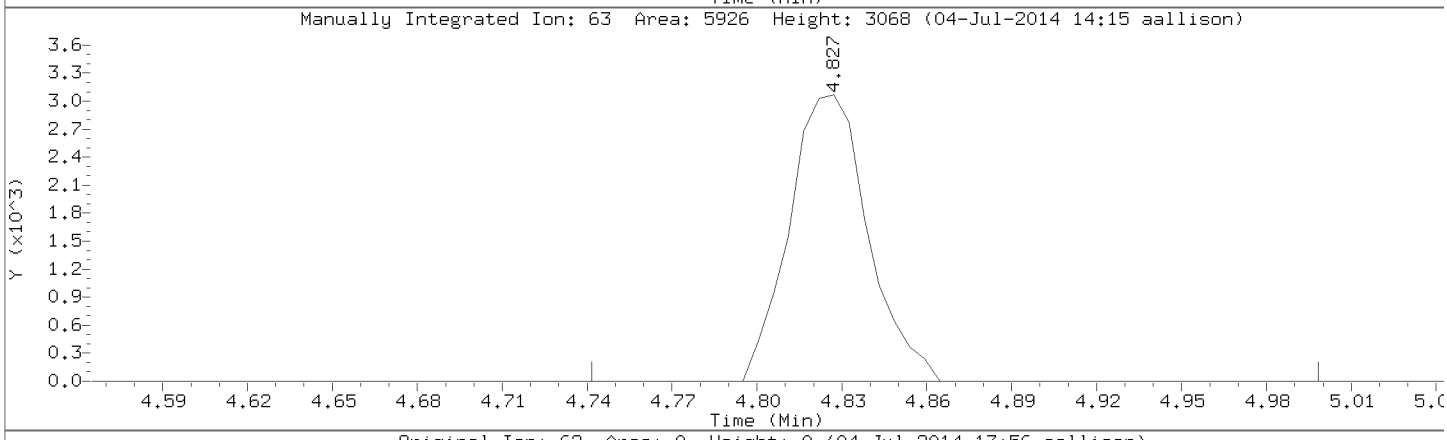
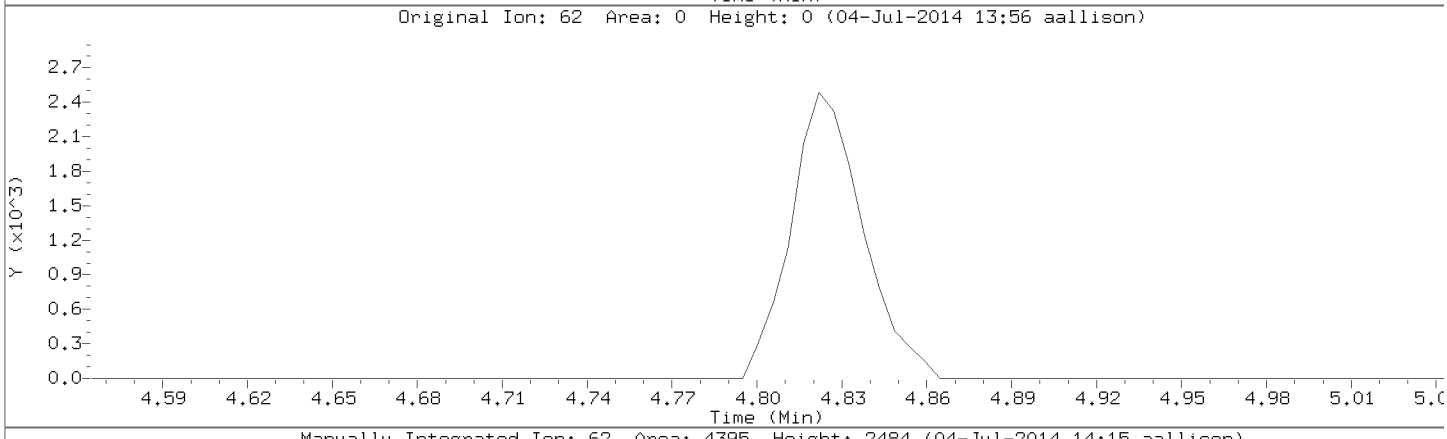
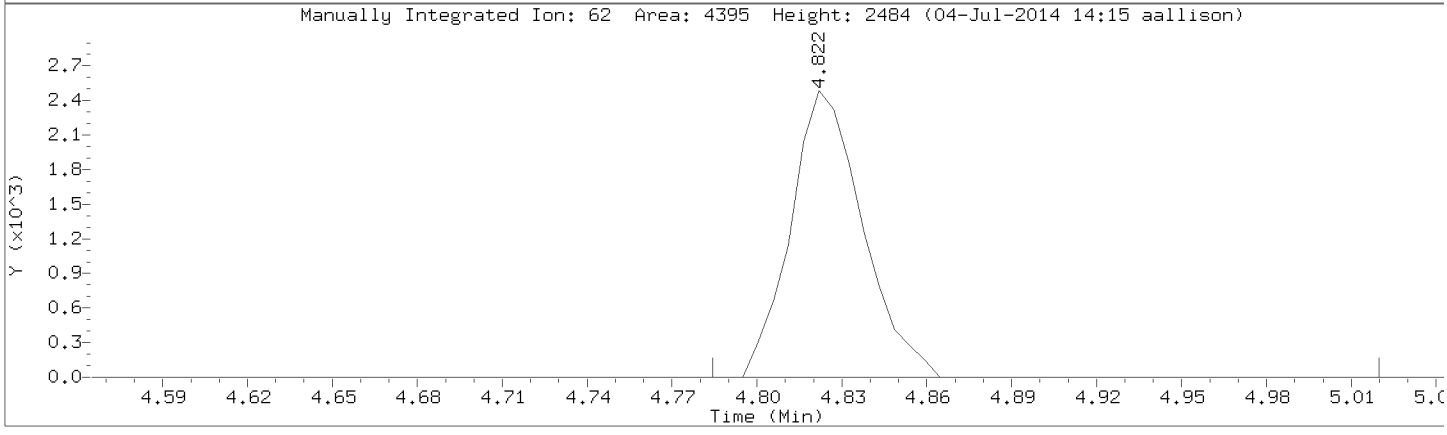
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5









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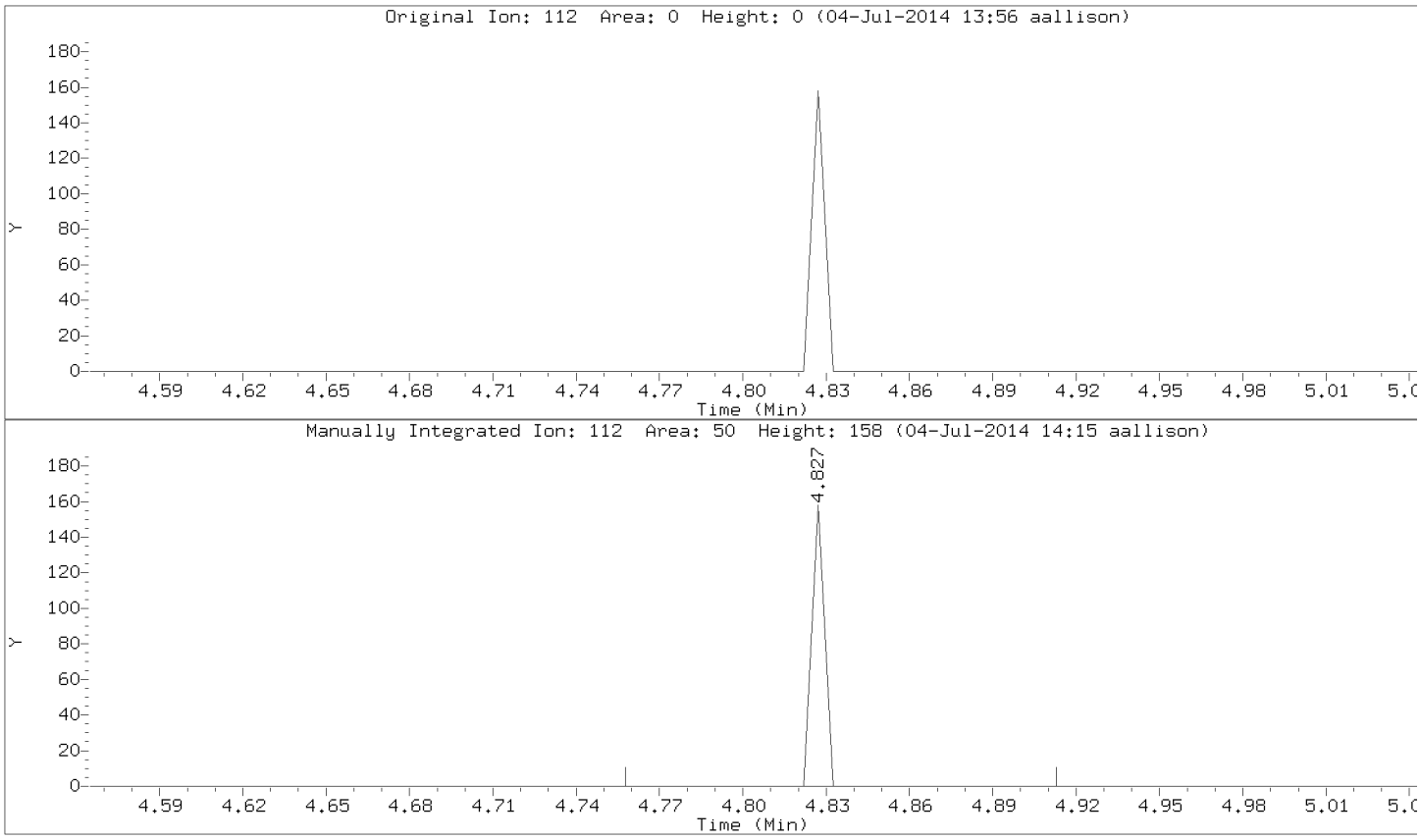
Lab Sample ID: 8260-CAL2



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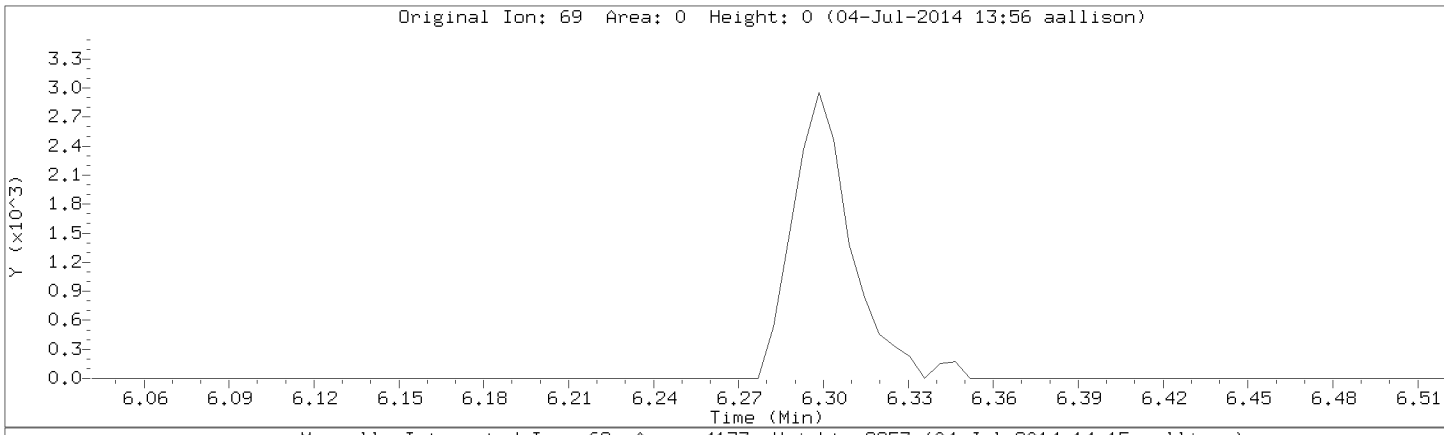
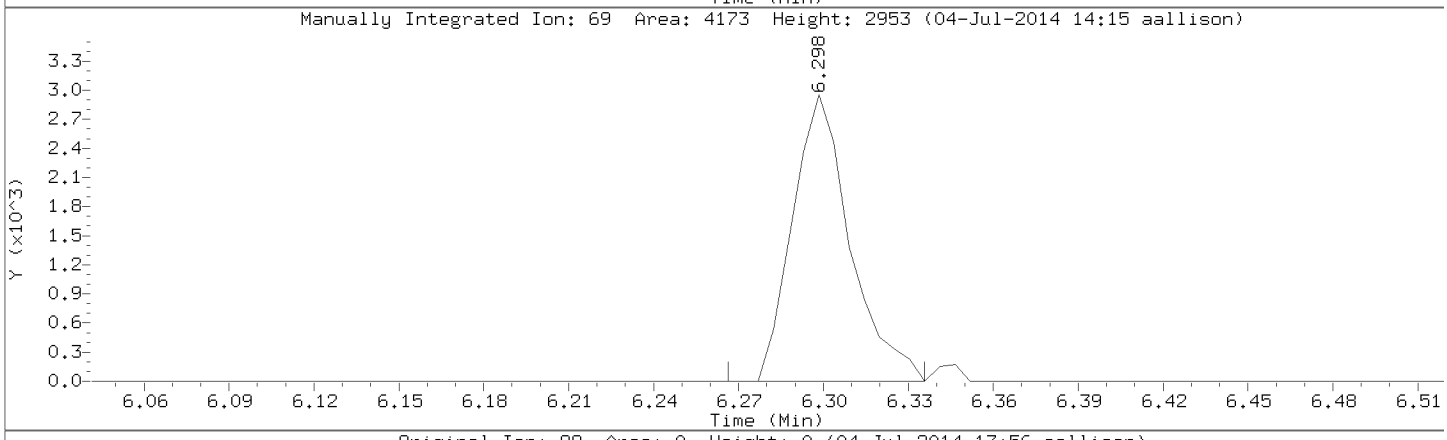
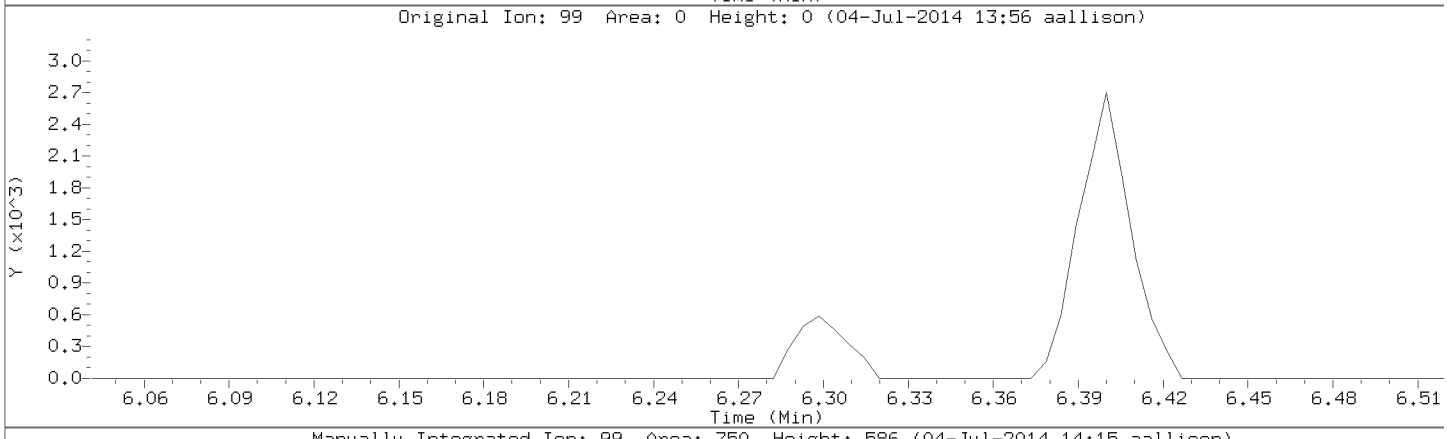
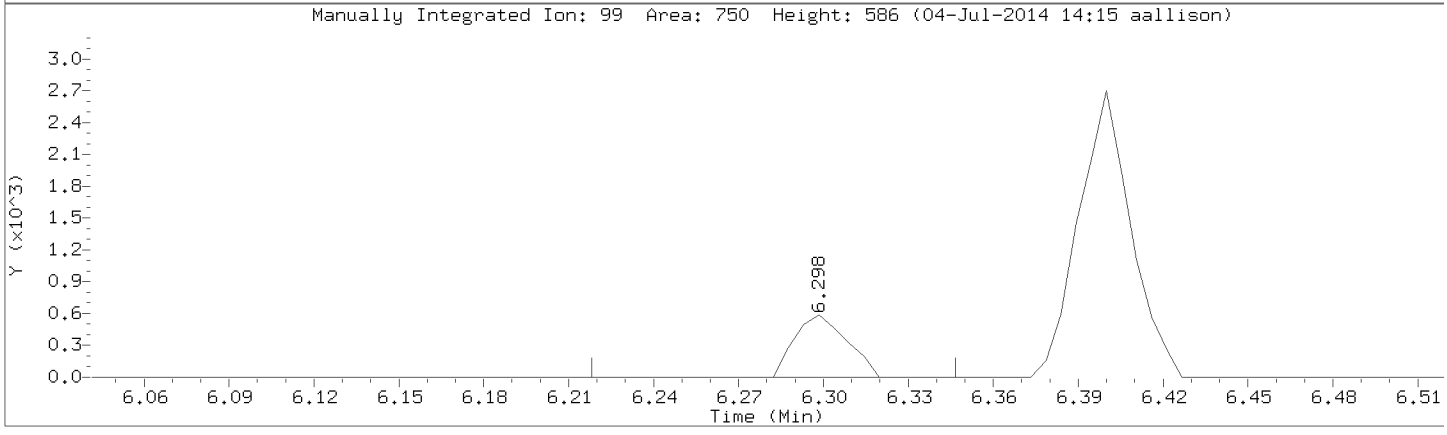
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Ethyl Methacrylate
CAS Number:









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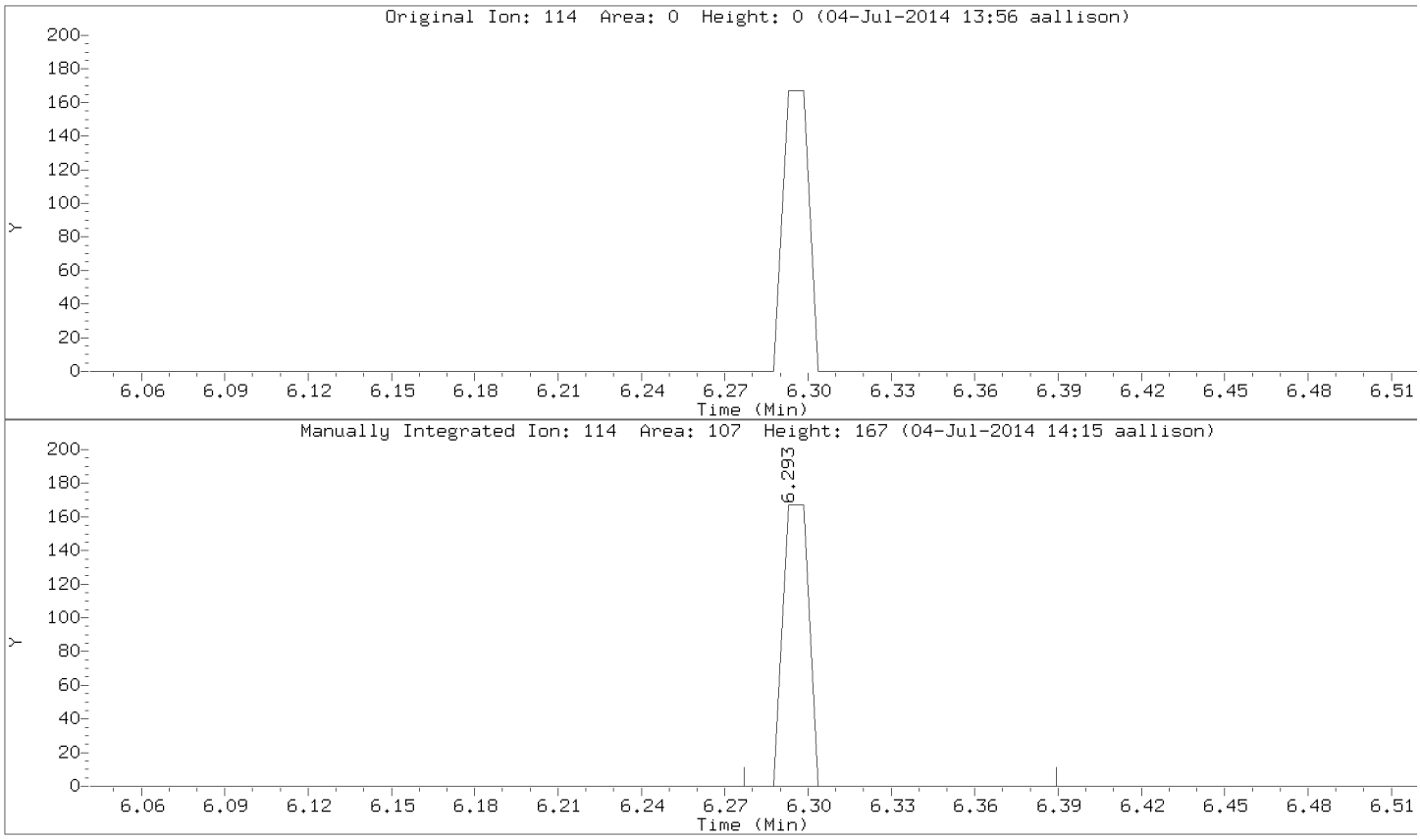
Lab Sample ID: 8260-CAL2



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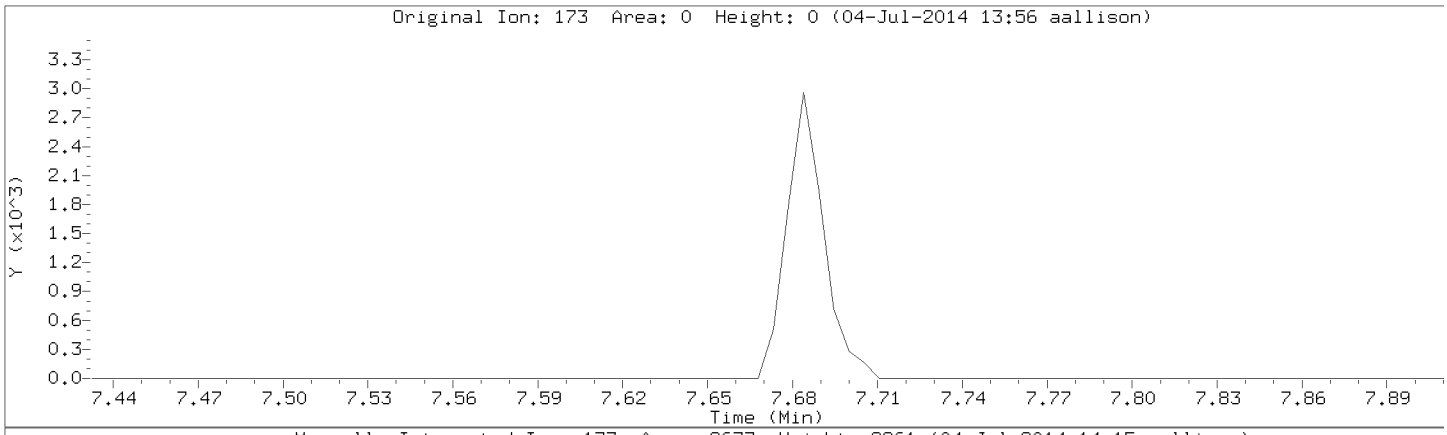
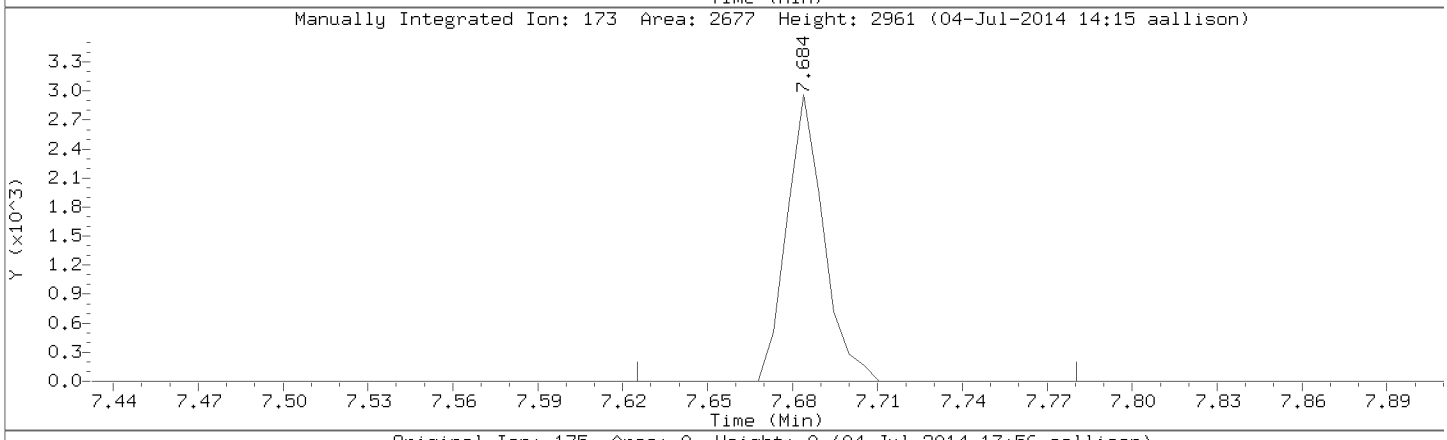
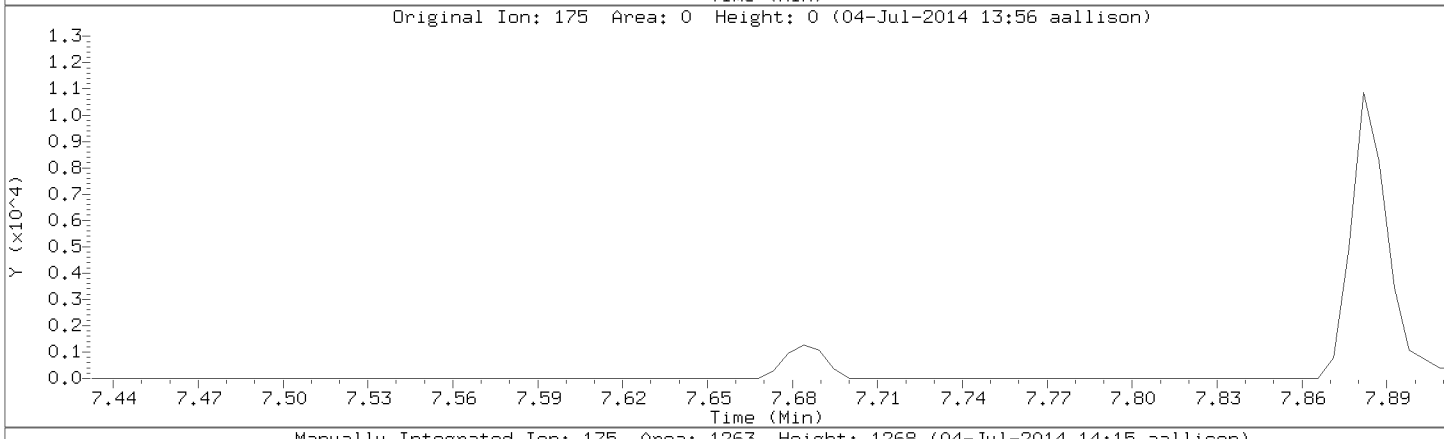
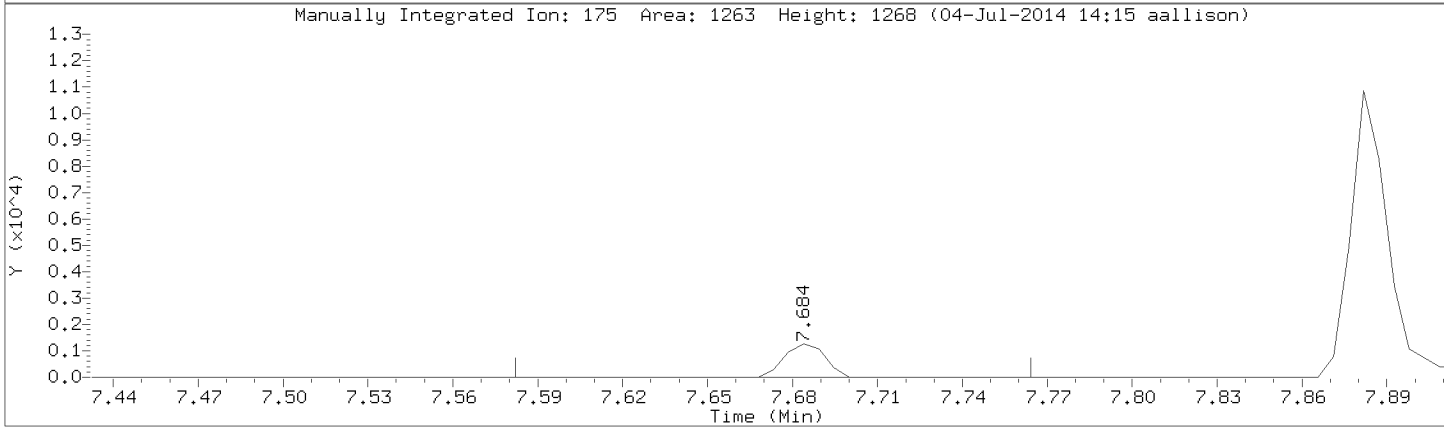
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Bromoform
CAS Number: 75-25-2









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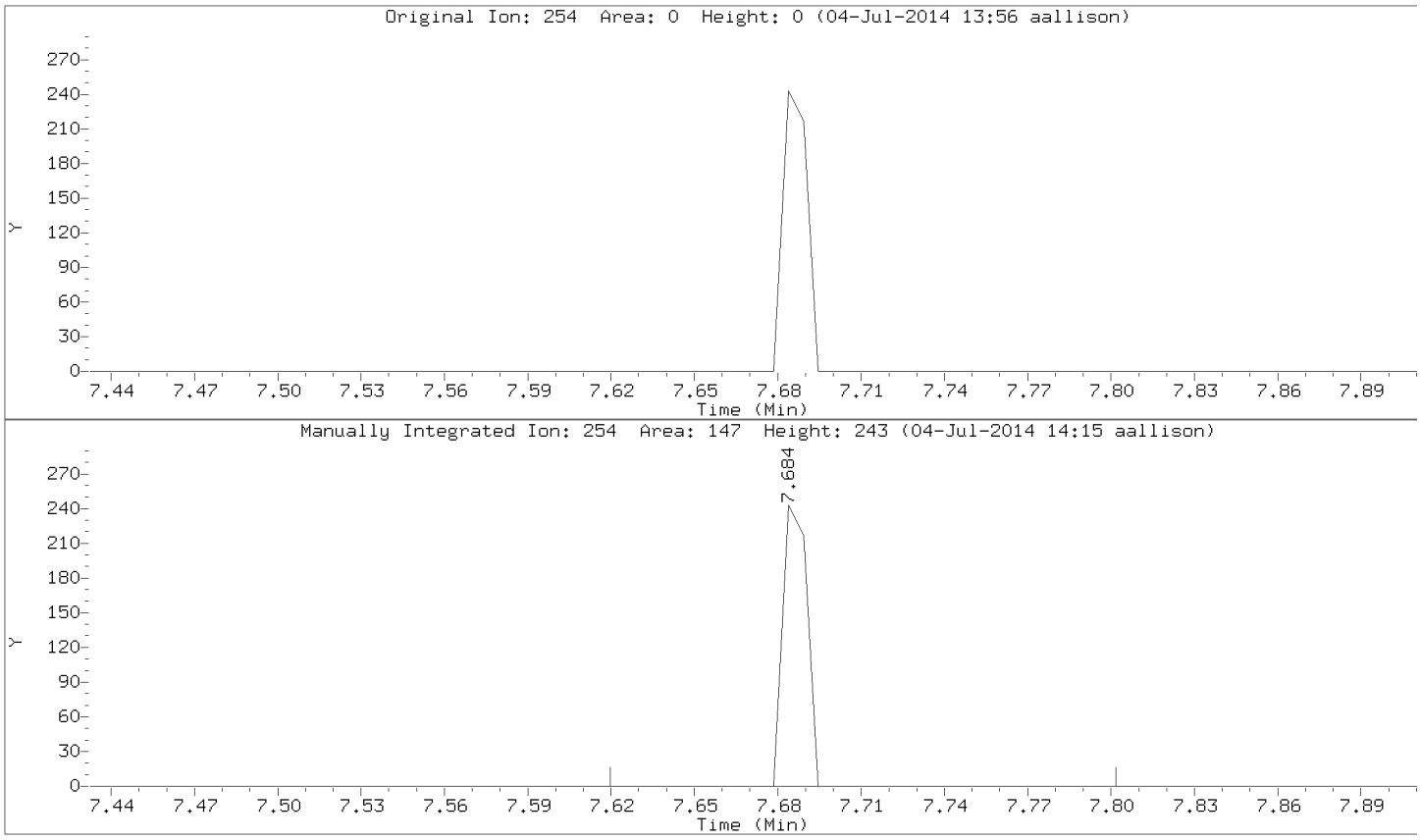
Lab Sample ID: 8260-CAL2



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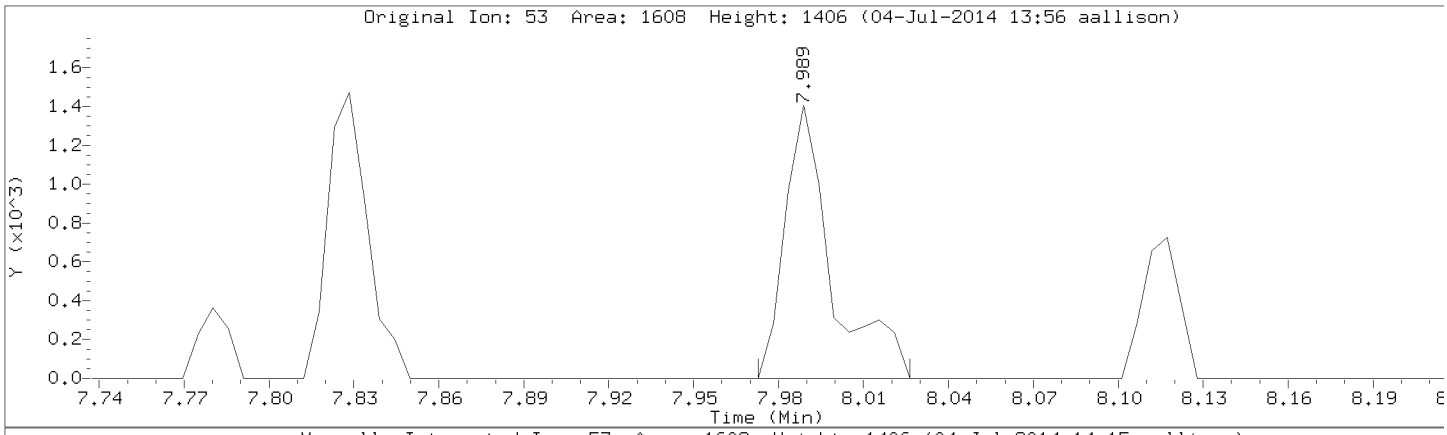
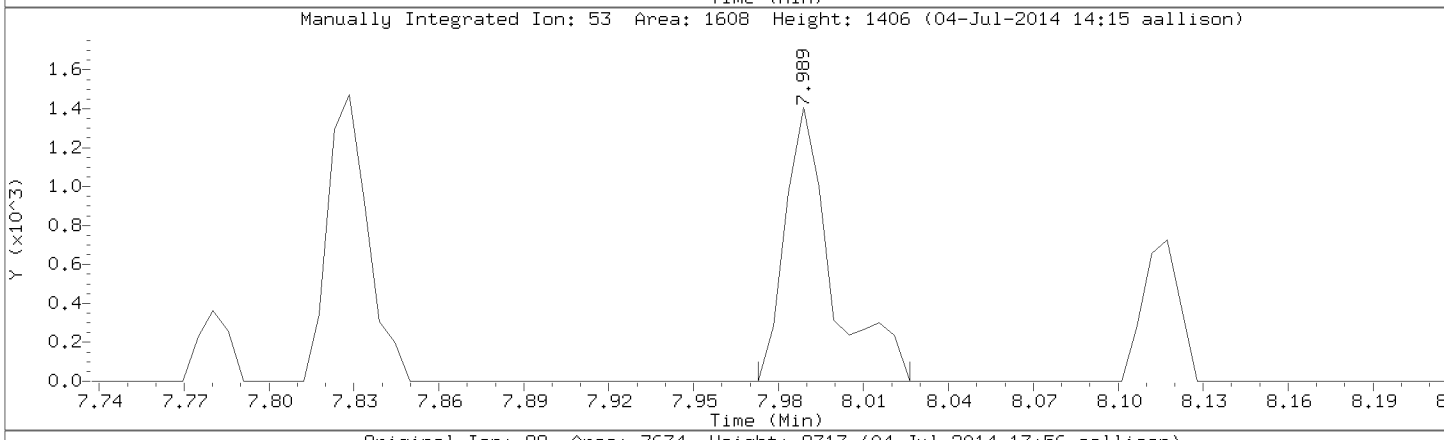
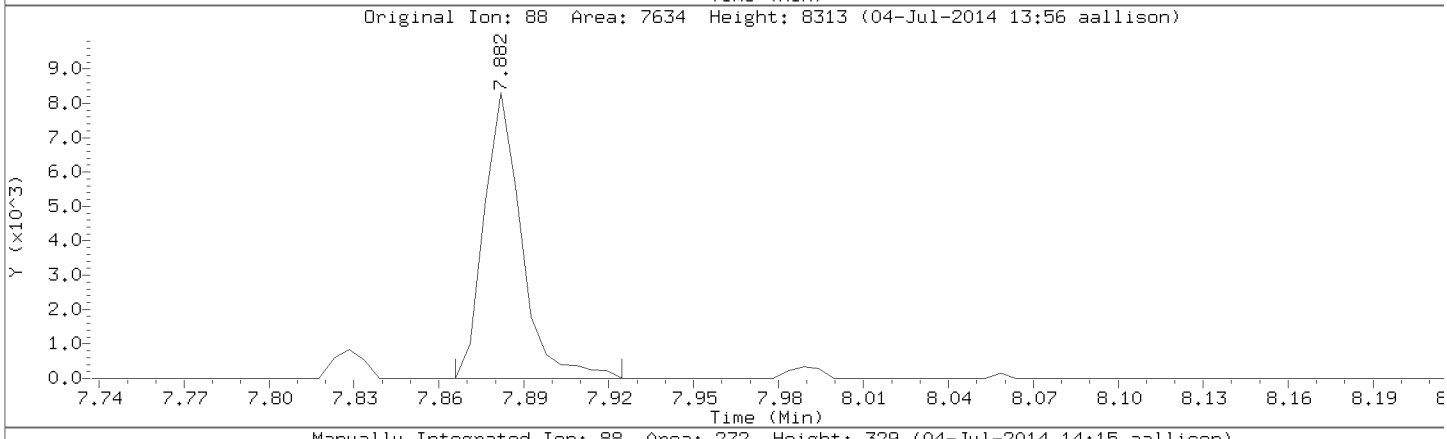
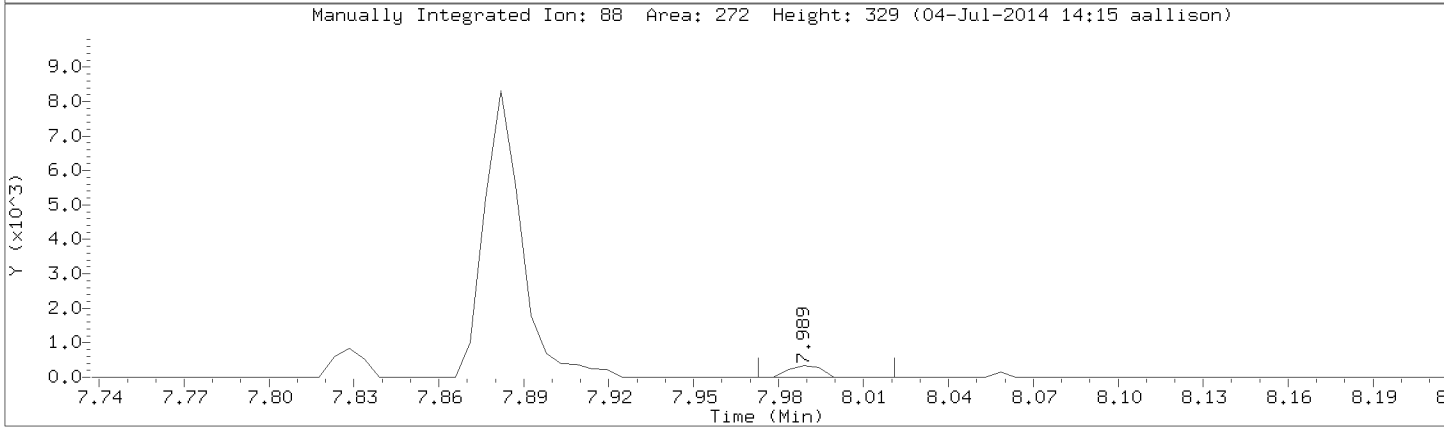
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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









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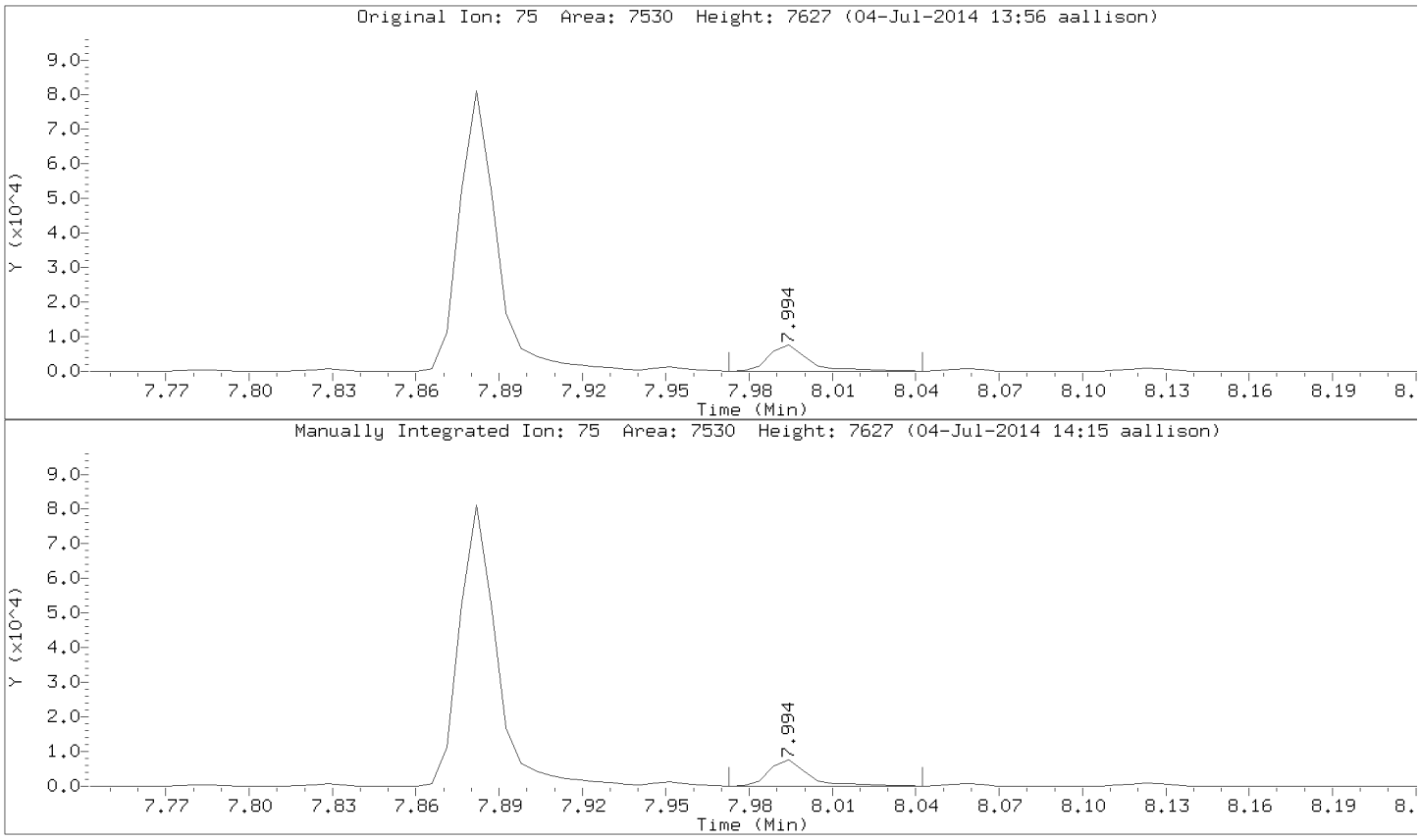
Lab Sample ID: 8260-CAL2



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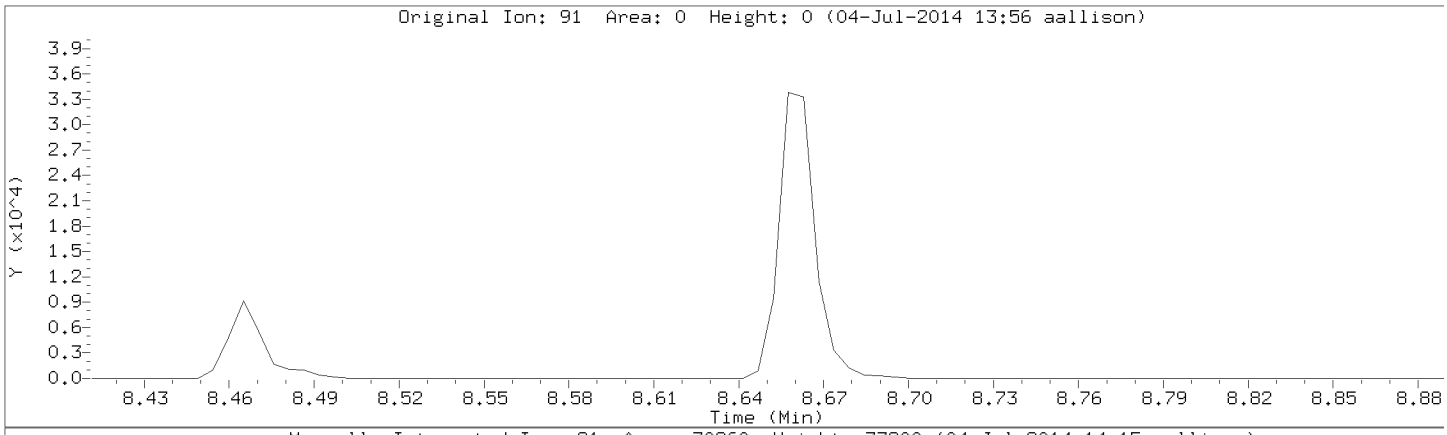
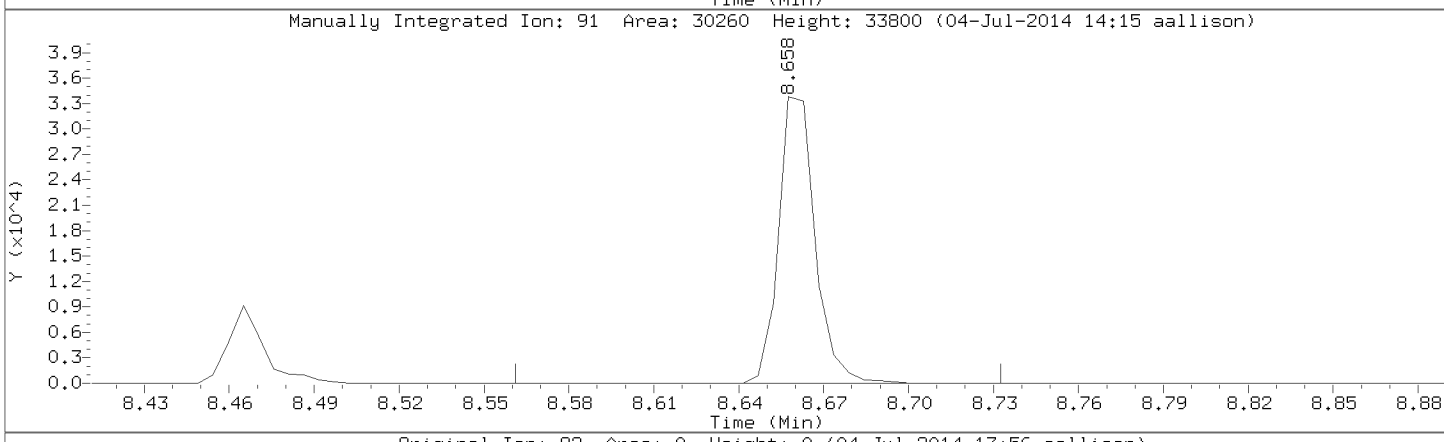
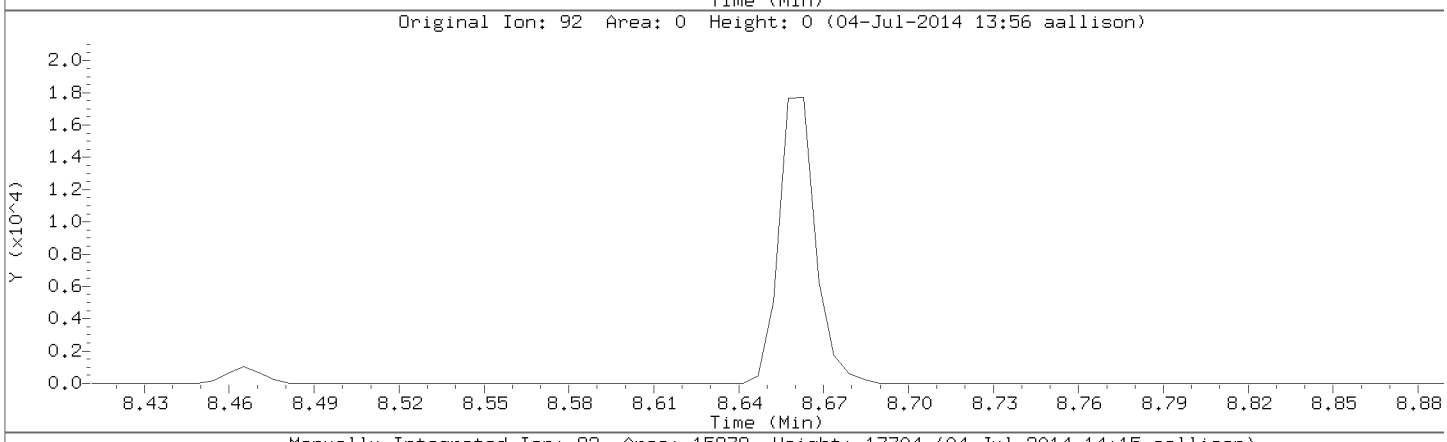
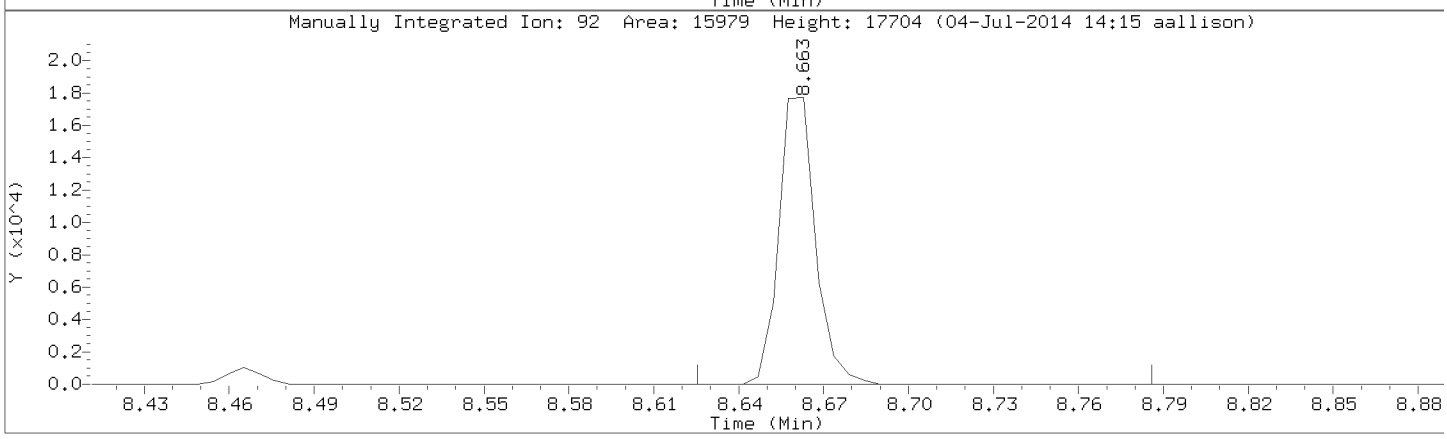
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: n-Butylbenzene
CAS Number: 104-51-8









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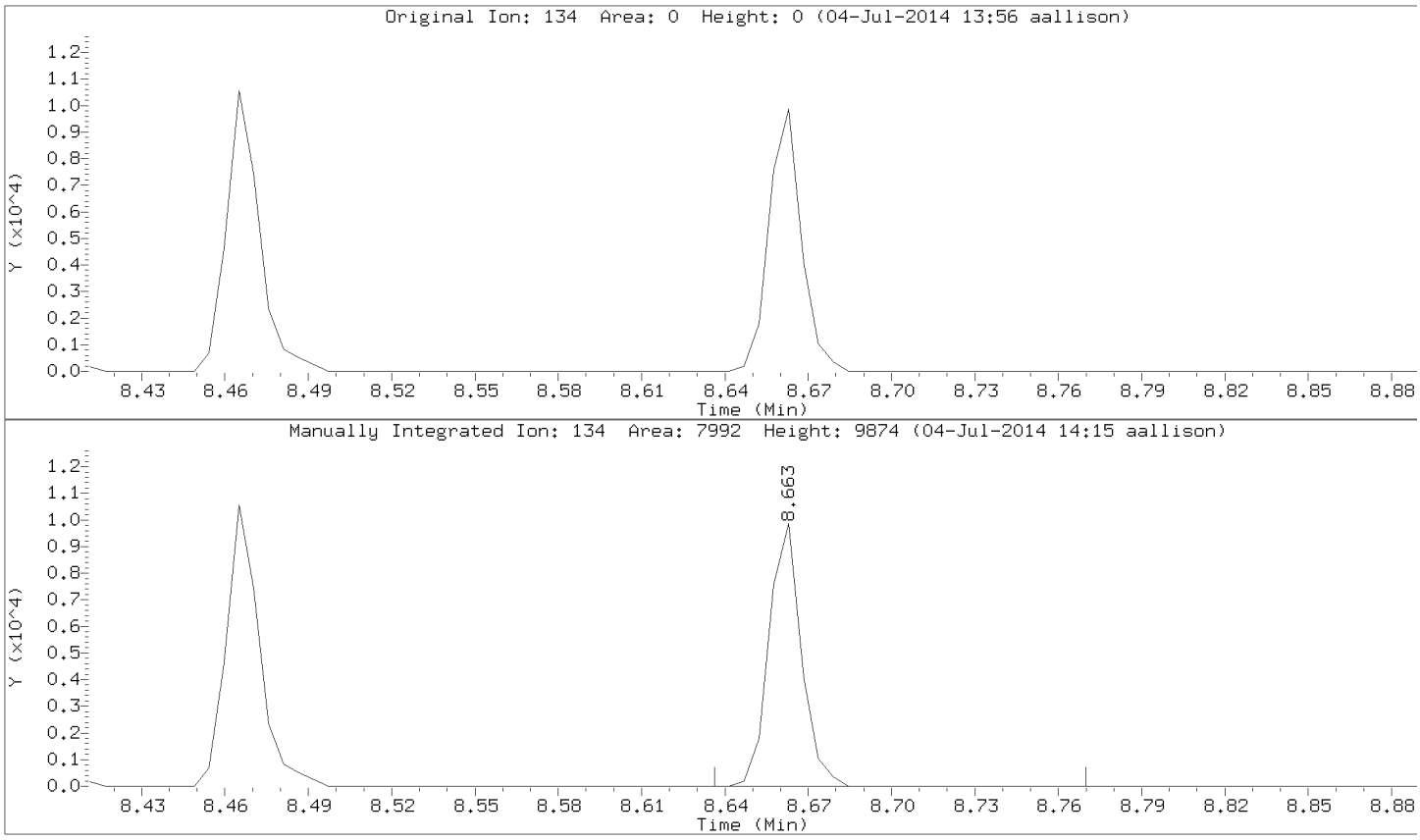
Lab Sample ID: 8260-CAL2



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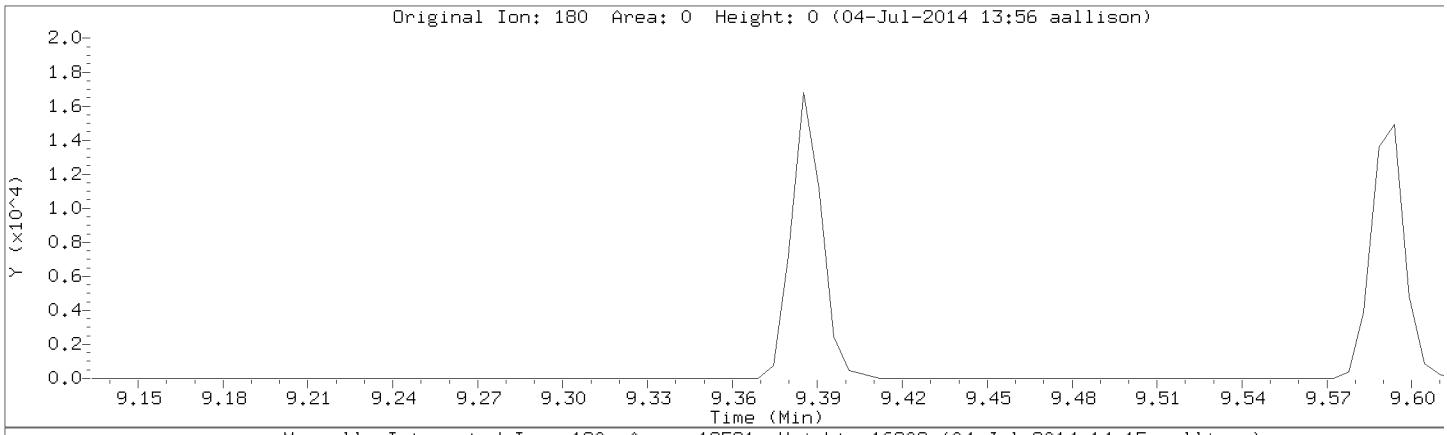
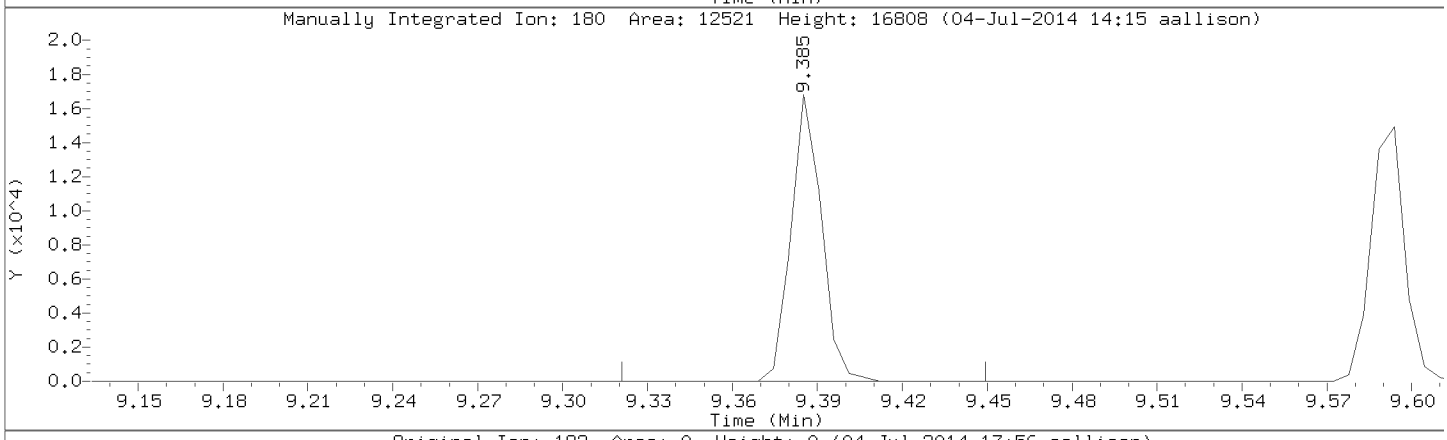
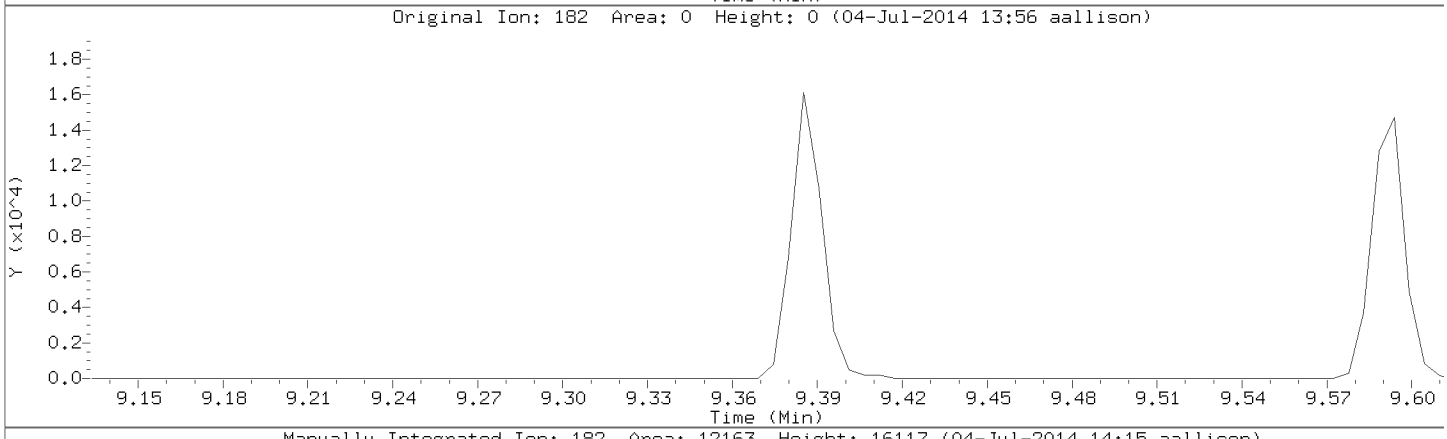
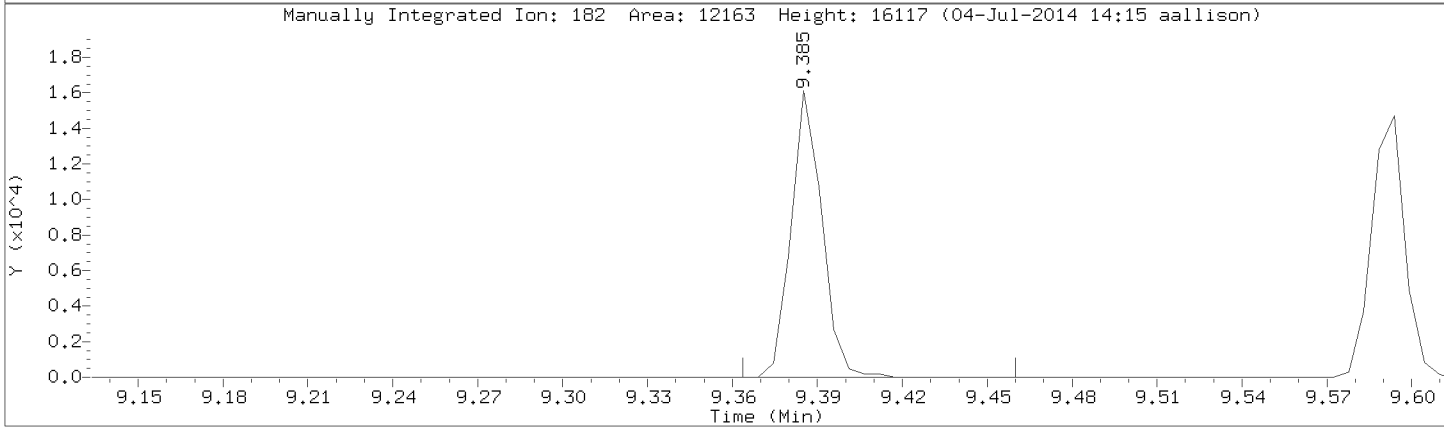
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1









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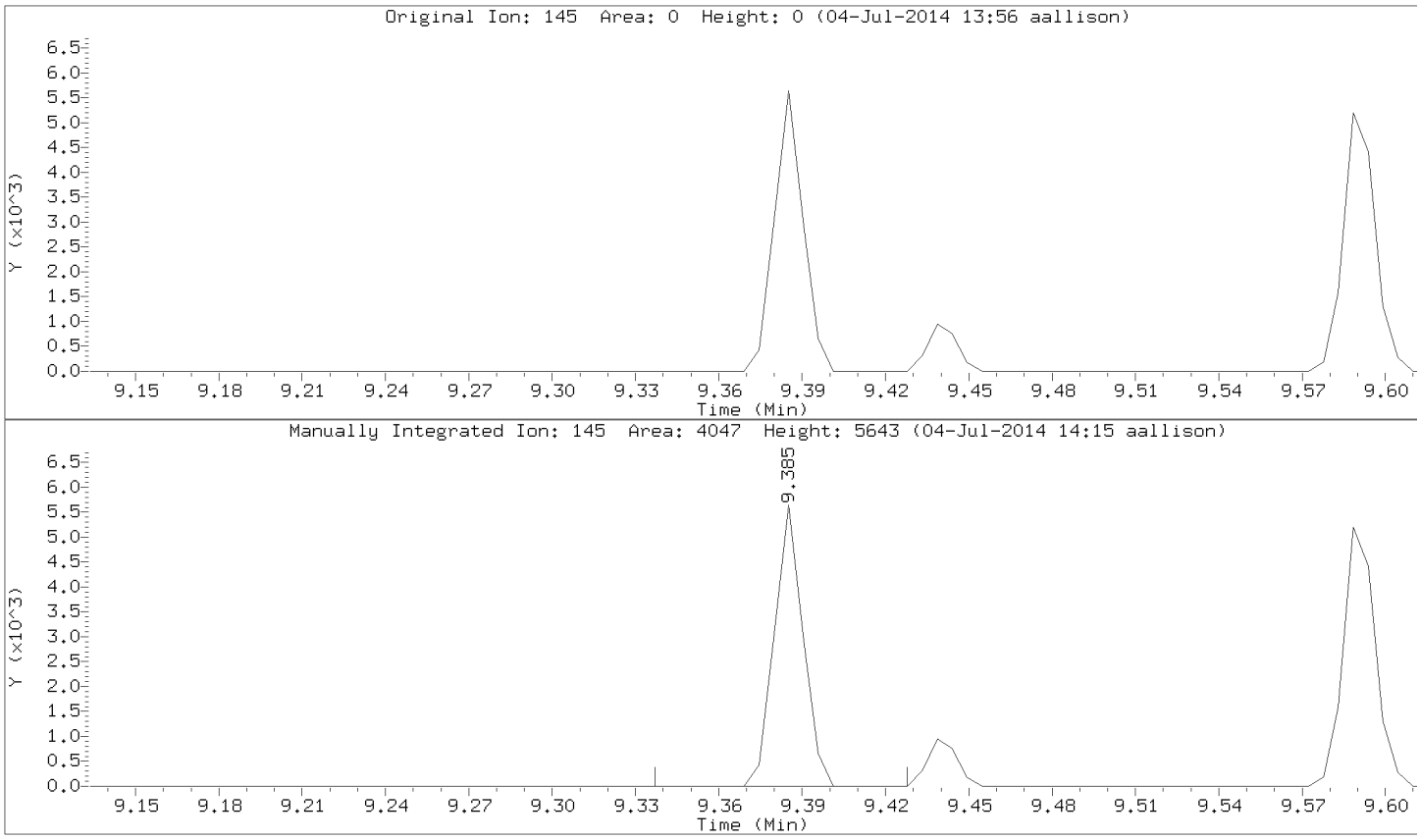
Lab Sample ID: 8260-CAL2



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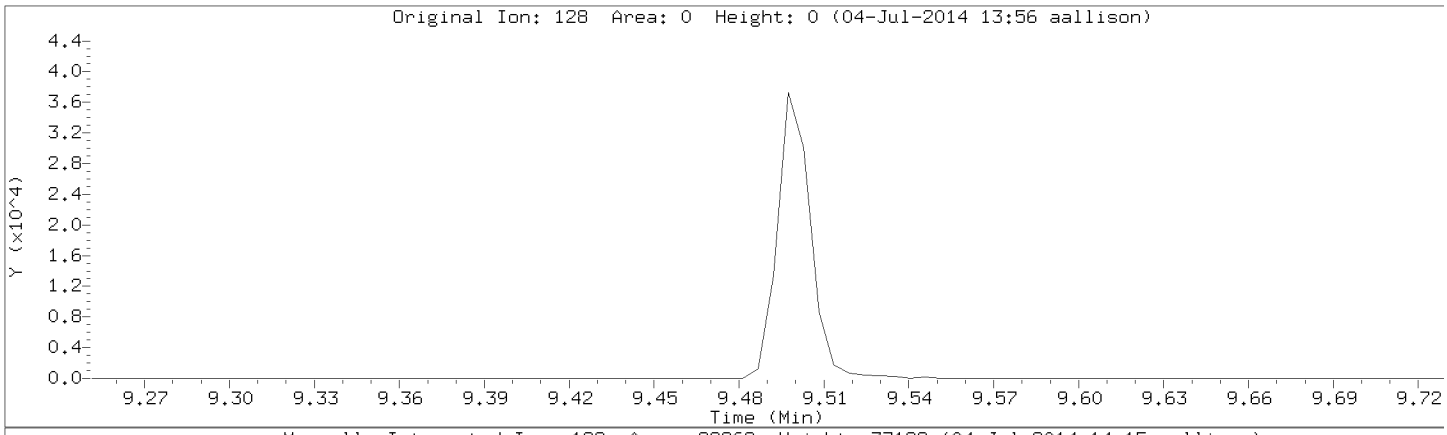
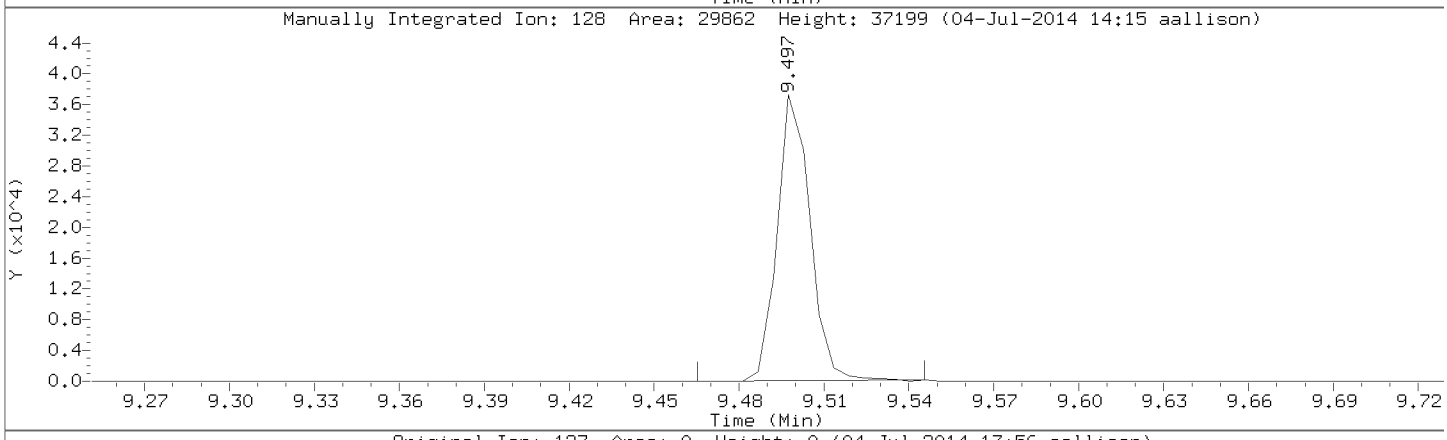
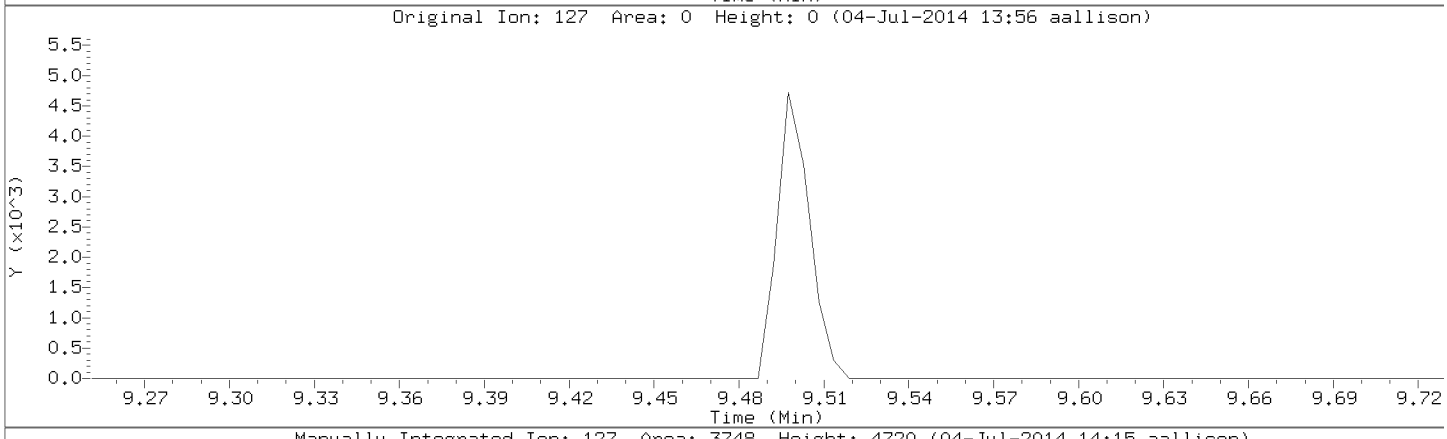
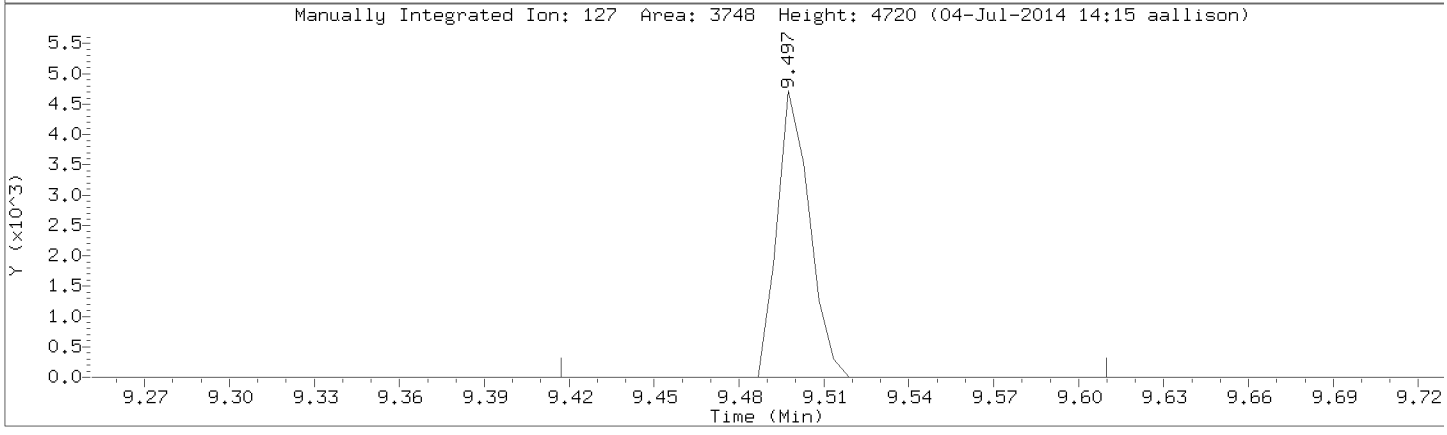
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: Naphthalene
CAS Number: 91-20-3









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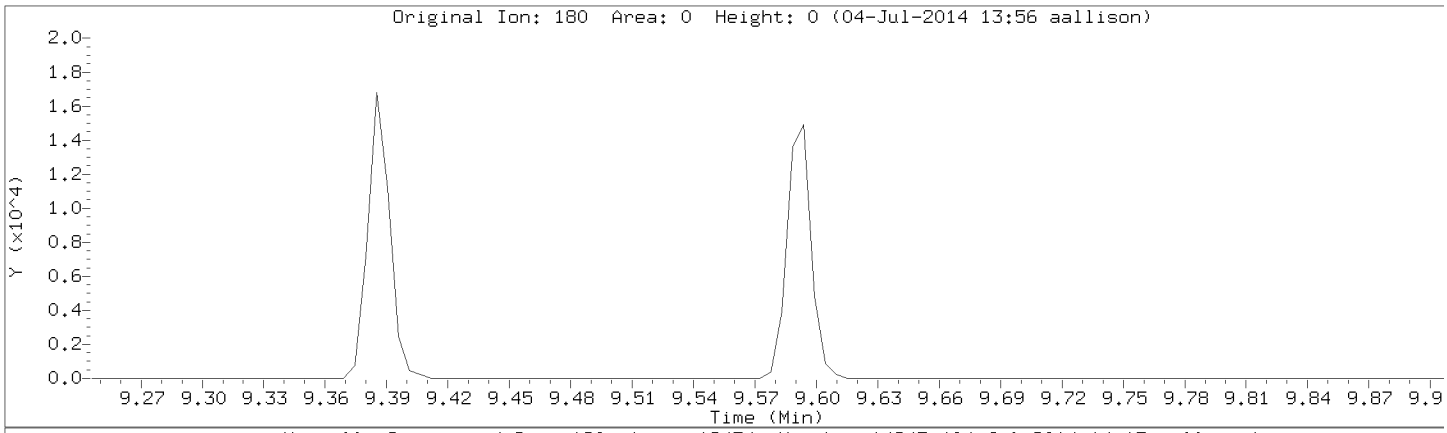
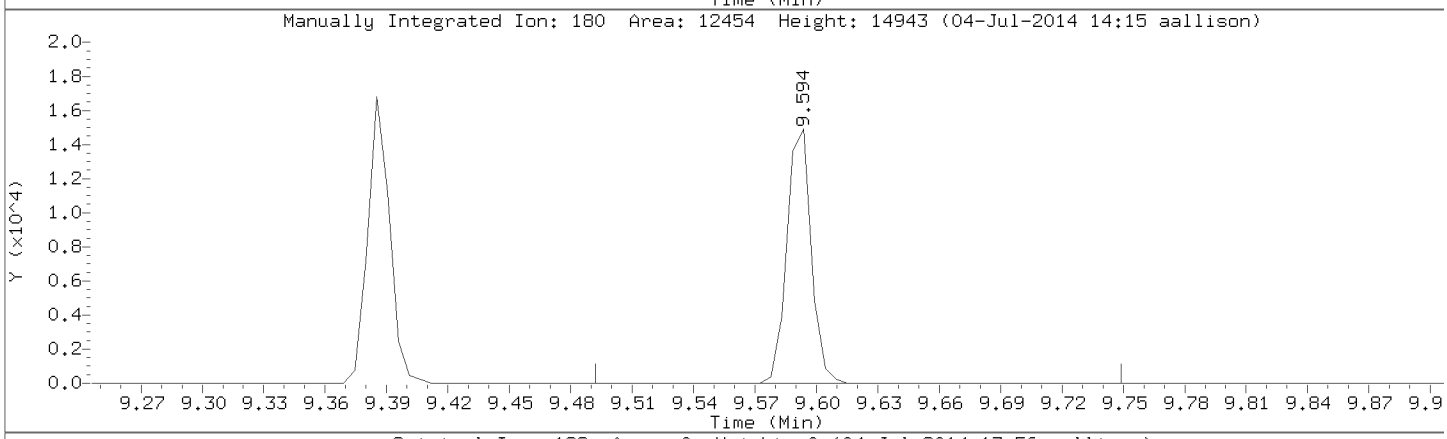
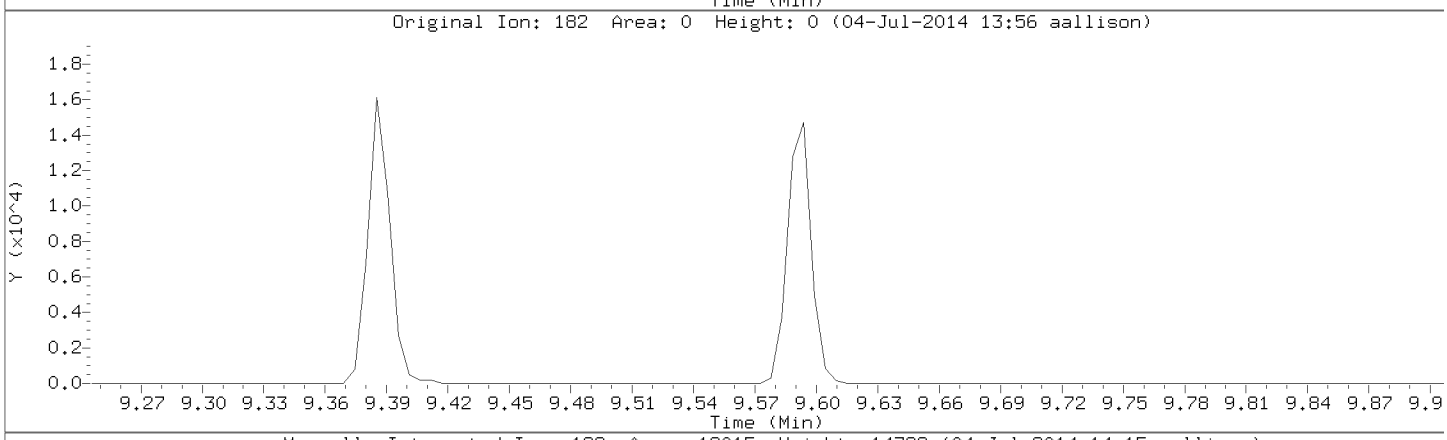
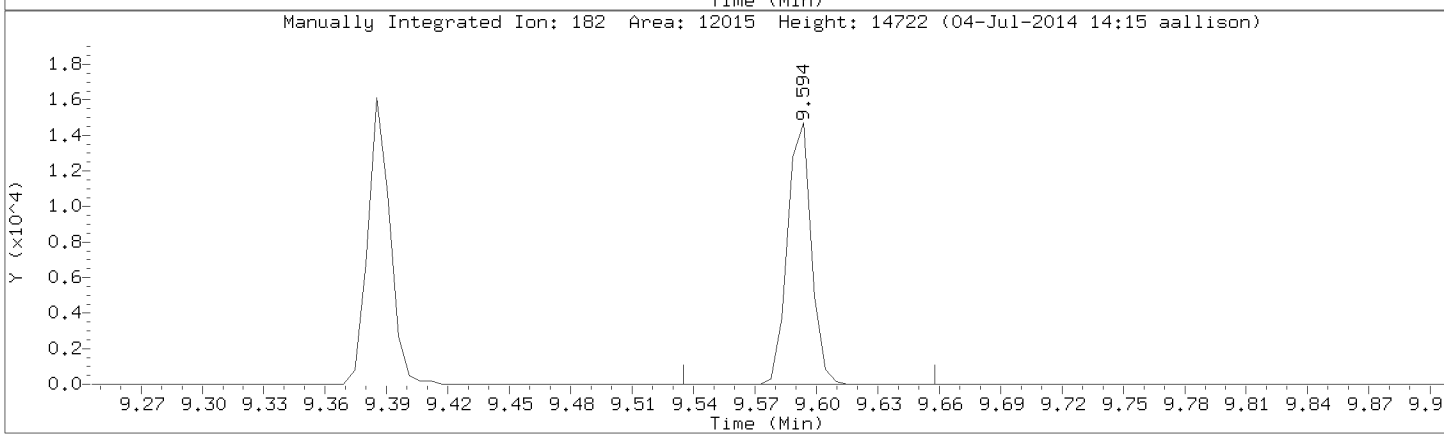
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6









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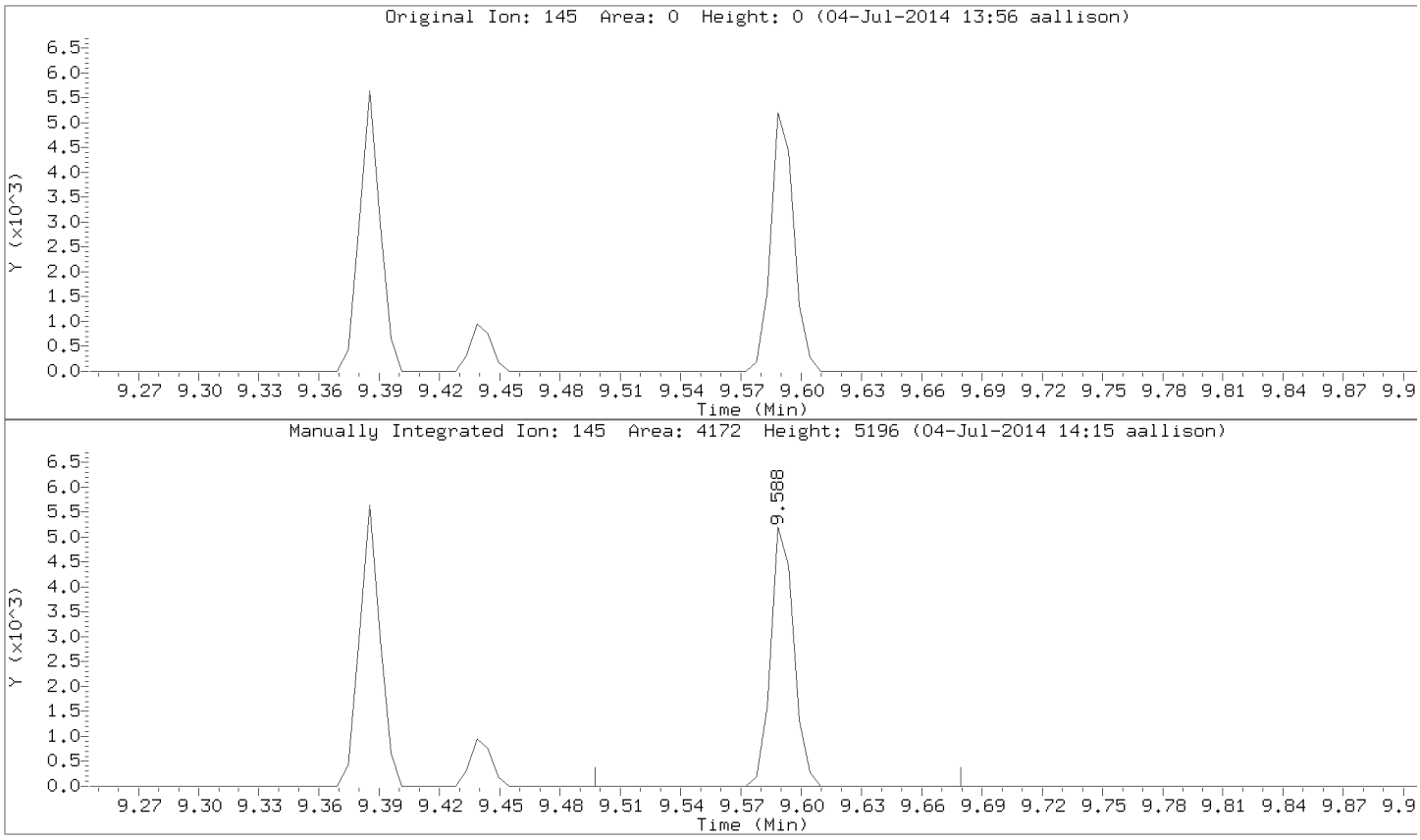
Lab Sample ID: 8260-CAL2



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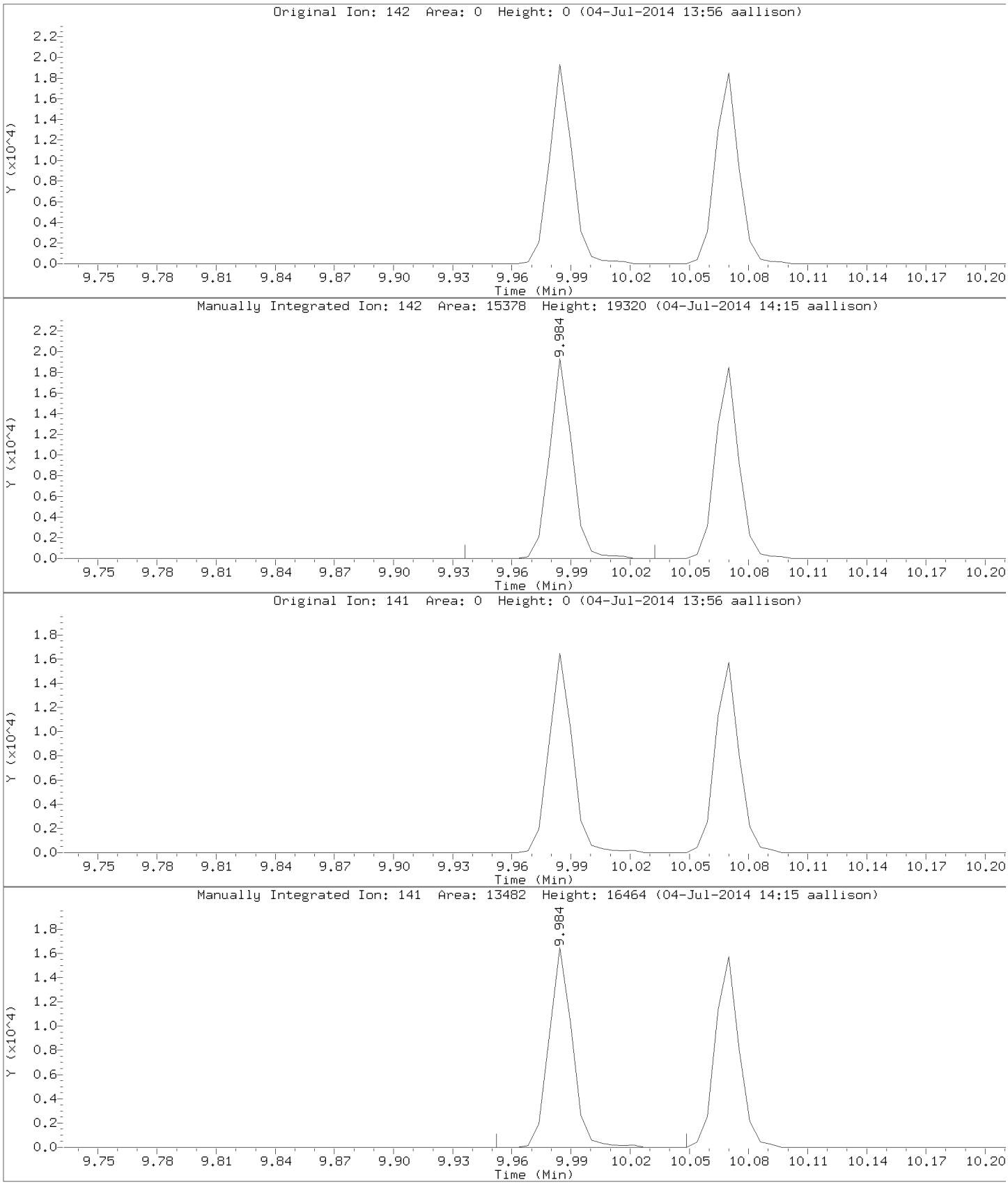
Injection Date: 03-JUL-2014 17:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

Compound: 2,methyl-naphthalene
CAS Number:



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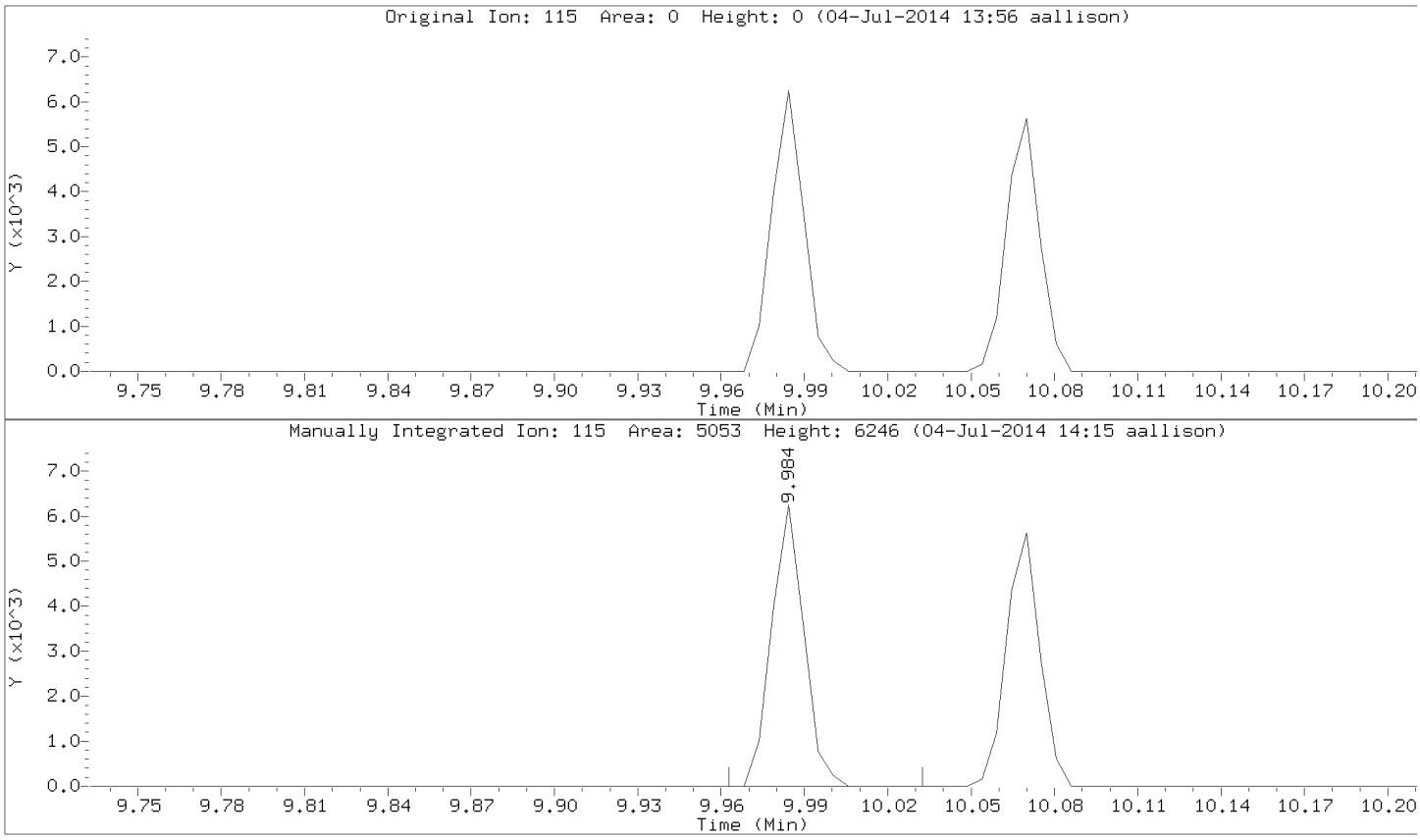
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2



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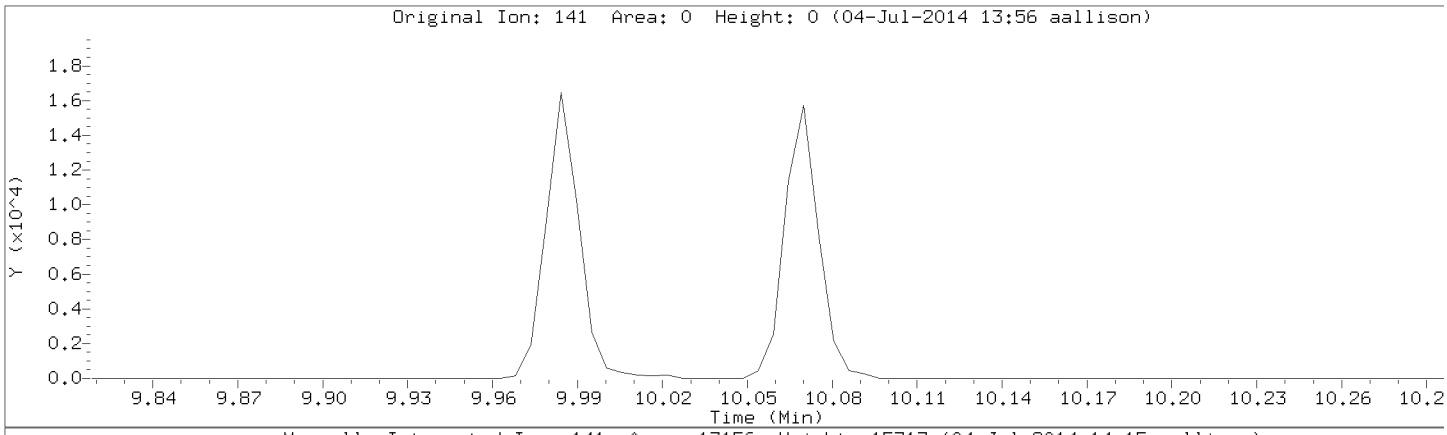
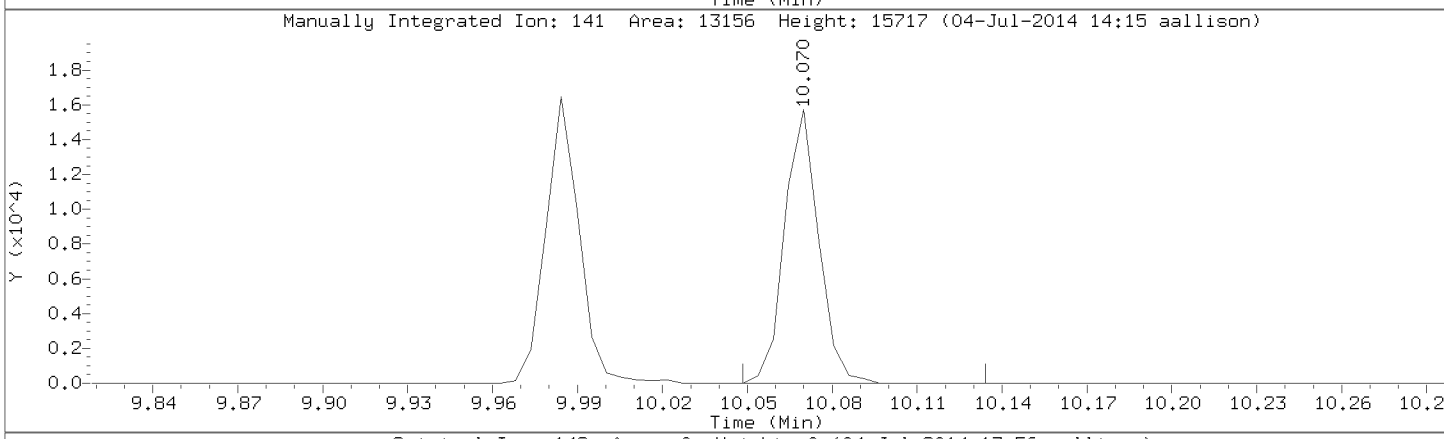
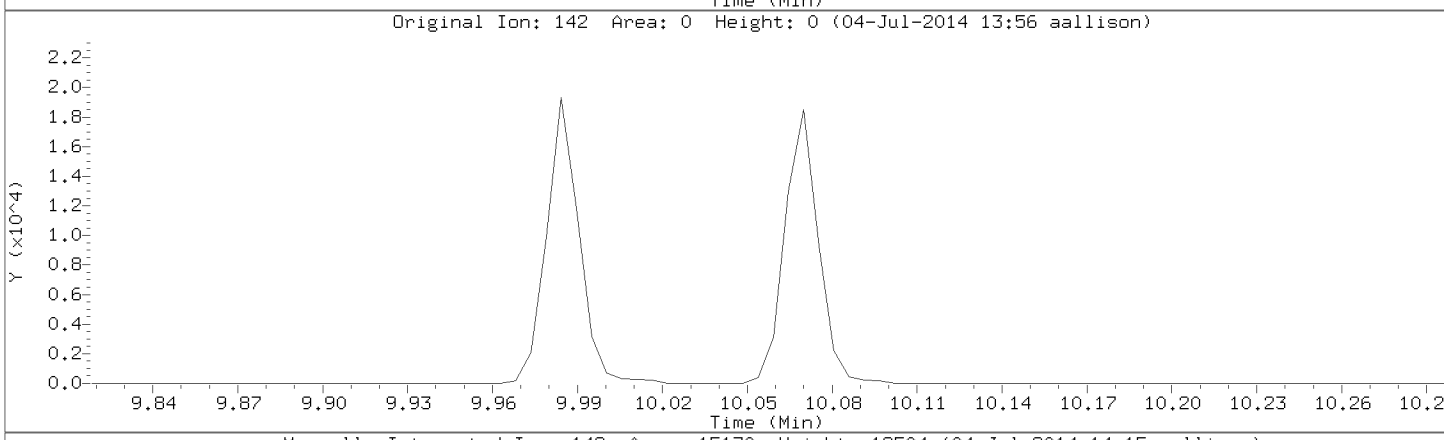
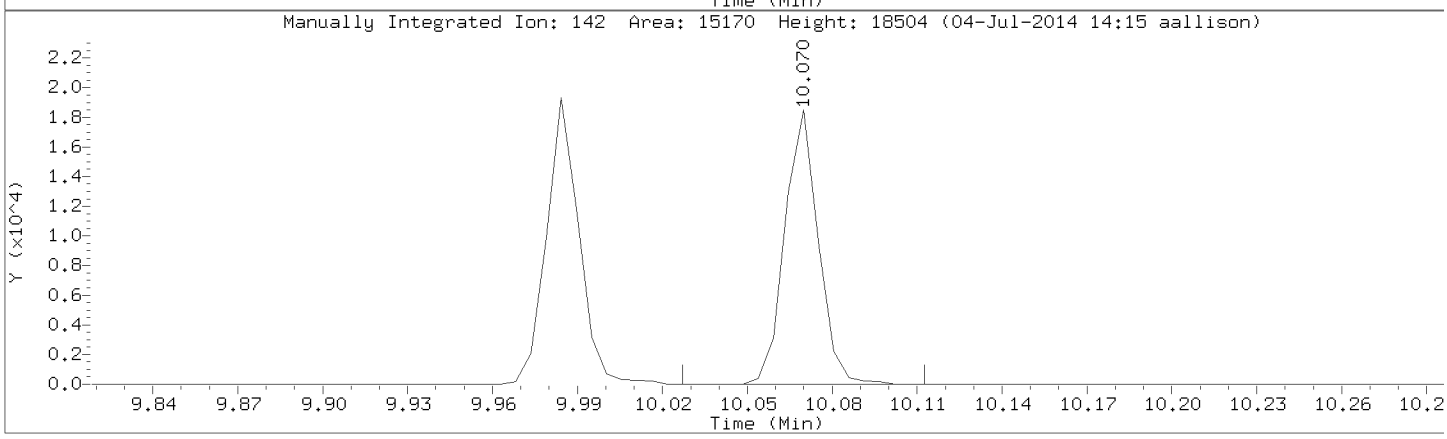
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL2

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









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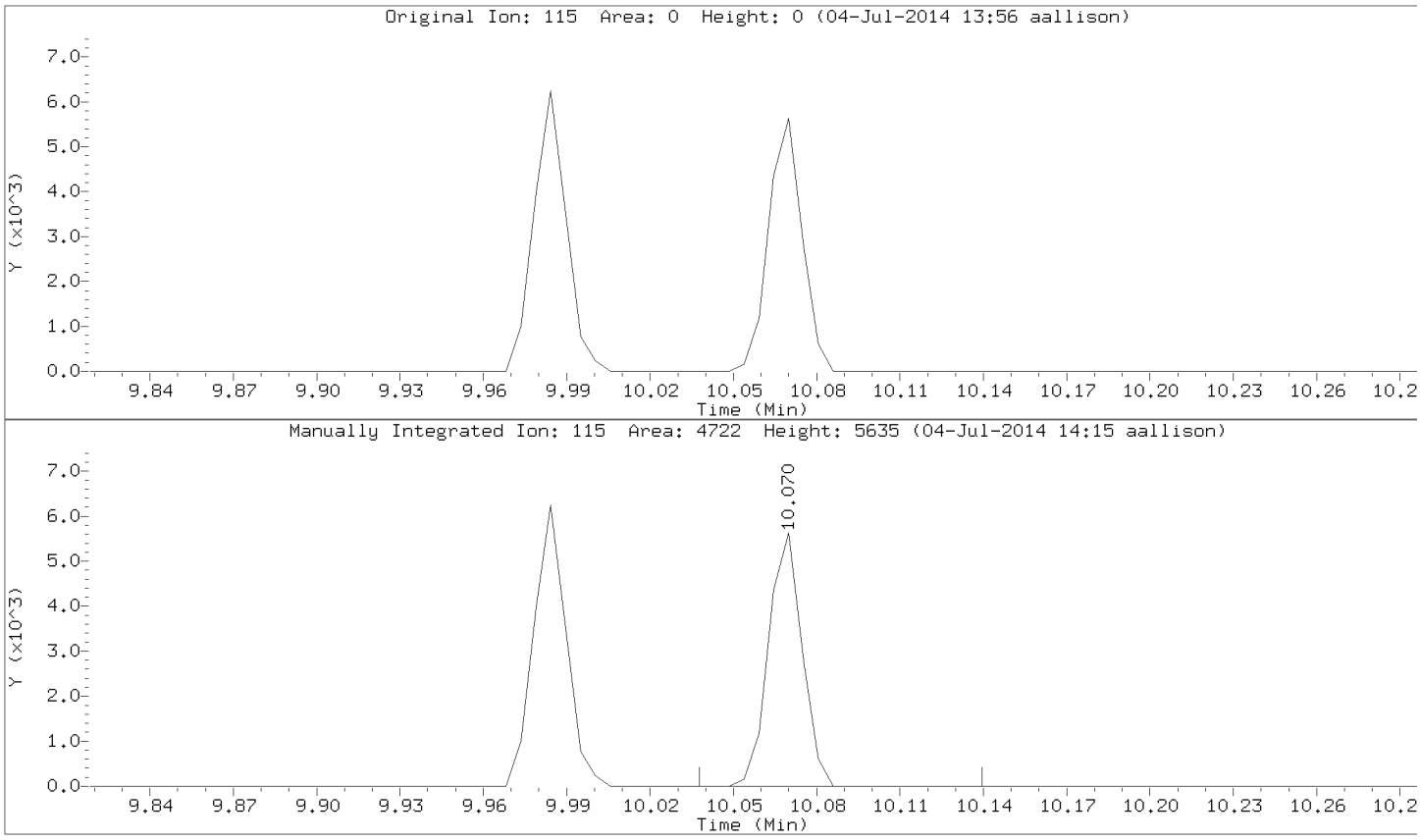
Lab Sample ID: 8260-CAL2



Pace Analytical Services, Inc.

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Inj Date : 03-JUL-2014 18:18
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal3,71926:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	20427	5.00000	4.85
2 Chloromethane	50	1.002	1.001	(0.246)	12433	5.00000	4.50
3 Vinyl Chloride	62	1.050	1.050	(0.258)	15638	5.00000	4.89(Q)
4 Bromomethane	94	1.189	1.189	(0.292)	15439	5.00000	4.07
5 Chloroethane	64	1.237	1.231	(0.304)	7329	5.00000	5.16(M)
6 Trichlorofluoromethane	101	1.344	1.338	(0.330)	25799	5.00000	5.06
8 Diethyl ether	74	1.462	1.461	(0.359)	7022	5.00000	5.17
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	17807	5.00000	5.02
9 Acrolein	56	1.537	1.531	(0.377)	27359	100.000	104
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	16101	5.00000	5.17
11 1,1-Dichloroethene	96	1.585	1.585	(0.389)	14689	5.00000	4.76
12 Acetone	43	1.601	1.601	(0.393)	14875	25.0000	23.6
13 Iodomethane	142	1.670	1.670	(0.410)	16486	10.0000	6.32
14 Carbon Disulfide	76	1.713	1.713	(0.421)	72579	10.0000	9.41
16 Methyl Acetate	43	1.761	1.756	(0.433)	7166	5.00000	4.99
143 Acetonitrile	39	1.772	1.772	(0.435)	19648	5.00000	4.66
15 allyl chloride	41	1.772	1.772	(0.435)	25737	10.0000	9.83
17 Methylene Chloride	84	1.847	1.841	(0.454)	31574	5.00000	3.57(M)
18 tert-Butyl Alcohol	59	1.895	1.889	(0.465)	2153	10.0000	9.12(Q)
19 Acrylonitrile	53	1.981	1.980	(0.486)	127509	100.000	94.8
20 Methyl-tert-butyl ether	73	1.997	1.996	(0.490)	64072	10.0000	9.84
21 1,2-Dichloroethene (trans)	96	2.013	2.007	(0.494)	20714	5.00000	5.08
22 n-Hexane	57	2.179	2.173	(0.535)	20360	5.00000	4.08

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.296	2.291	(0.564)	60198	20.0000	19.3
	23 1,1-Dichloroethane	63	2.307	2.301	(0.567)	32070	5.00000	4.97
	147 chloroprene	53	2.350	2.350	(0.577)	21065	5.00000	4.60
	28 2-Butanone	43	2.751	2.745	(0.676)	29682	25.0000	23.1
	26 1,2-Dichloroethene (cis)	96	2.762	2.756	(0.678)	21363	5.00000	4.96
	27 2,2-Dichloropropane	77	2.762	2.761	(0.678)	10700	5.00000	3.93
	149 Propionitrile	54	2.815	2.810	(0.691)	2287	5.00000	5.21(Q)
	144 Methacrylonitrile	41	2.949	2.943	(0.724)	6472	5.00000	4.42
	30 Bromochloromethane	49	2.986	2.981	(0.733)	13779	5.00000	5.09
	31 Tetrahydrofuran	42	3.008	3.002	(0.739)	4965	5.00000	4.51
	32 Chloroform	83	3.093	3.082	(0.760)	32025	5.00000	4.88
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.800)	145375	50.0000	51.1
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.799)	20769	5.00000	4.86
	35 Cyclohexane	56	3.323	3.323	(0.816)	23405	5.00000	4.89
	36 Carbon Tetrachloride	117	3.425	3.419	(0.841)	15667	5.00000	4.17
	37 1,1-Dichloropropene	75	3.436	3.430	(0.844)	19840	5.00000	4.81
	39 Benzene	78	3.671	3.660	(0.901)	60869	5.00000	4.86
	40 1,2-Dichloroethane	62	3.762	3.756	(0.924)	20193	5.00000	4.57
	38 Isobutyl alcohol	43	3.832	3.826	(0.941)	7712	5.00000	4.38
	141 2,2,4-Trimethylpentane	57	3.832	3.826	(0.941)	47509	5.00000	4.84
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	535564	50.0000	
	42 Trichloroethene	95	4.516	4.511	(1.109)	15838	5.00000	4.72
	43 Methylcyclohexane	55	4.768	4.768	(1.171)	16056	5.00000	4.79
	44 1,2-Dichloropropane	63	4.821	4.816	(1.184)	14076	5.00000	4.47(M)
	45 Dibromomethane	93	4.918	4.912	(1.208)	10272	5.00000	5.04
	142 1,4-Dioxane	88	4.923	4.923	(1.209)	3856	100.000	91.2
	46 Methyl methacrylate	69	4.934	4.928	(1.211)	5404	5.00000	3.83
	47 Bromodichloromethane	83	5.132	5.131	(1.260)	17763	5.00000	4.35
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	7417	10.0000	6.85
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	13523	5.00000	3.26
	50 4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	44804	25.0000	25.2
$	51 Toluene-d8	98	5.864	5.859	(0.822)	463996	50.0000	50.5
	52 Toluene	91	5.934	5.928	(0.832)	69056	5.00000	4.72
	53 trans-1,3-Dichloropropene	75	6.212	6.207	(0.871)	7743	5.00000	2.80
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	9999	5.00000	3.64
	55 1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	10521	5.00000	4.71
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	18449	5.00000	4.73
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	19985	5.00000	4.83
	58 2-Hexanone	43	6.608	6.603	(0.926)	34449	25.0000	24.4
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	11382	5.00000	4.54
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	12446	5.00000	4.11
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	400477	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	48406	5.00000	4.82
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	10061	5.00000	3.25
	64 Ethylbenzene	106	7.229	7.228	(1.014)	25515	5.00000	5.05
	65 m&p-Xylene	106	7.325	7.325	(1.027)	66259	10.0000	10.2
	67 o-Xylene	106	7.560	7.560	(1.060)	29935	5.00000	5.27
	68 Styrene	104	7.576	7.576	(1.062)	49624	5.00000	5.18
	69 Bromoform	173	7.683	7.683	(0.905)	5822	5.00000	3.14(M)
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	73871	5.00000	5.26
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	169530	50.0000	51.9
	74 Bromobenzene	77	7.951	7.951	(1.115)	27577	5.00000	4.96
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	16979	5.00000	4.05
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	3237	5.00000	4.12

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	5020	5.00000	4.70
76	n-Propylbenzene	91	8.015	8.015	(0.945)	91294	5.00000	4.78
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	59708	5.00000	4.84
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	64342	5.00000	5.08
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	21645	5.00000	4.57
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	69534	5.00000	5.03
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	66228	5.00000	5.17
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	87329	5.00000	4.88
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	40472	5.00000	4.60
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	74310	5.00000	4.89
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	228221	50.0000	
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	44594	5.00000	4.67
87	n-Butylbenzene	91	8.657	8.662	(1.020)	64308	5.00000	4.67
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	39459	5.00000	4.66
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	2065	5.00000	4.43
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	23866	5.00000	4.69
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	12933	5.00000	5.33
92	Naphthalene	128	9.497	9.502	(1.119)	61178	5.00000	5.12
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	23342	5.00000	5.06
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	29392	5.00000	5.11(M)
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	24199	5.00000	5.20

QC Flag Legend

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

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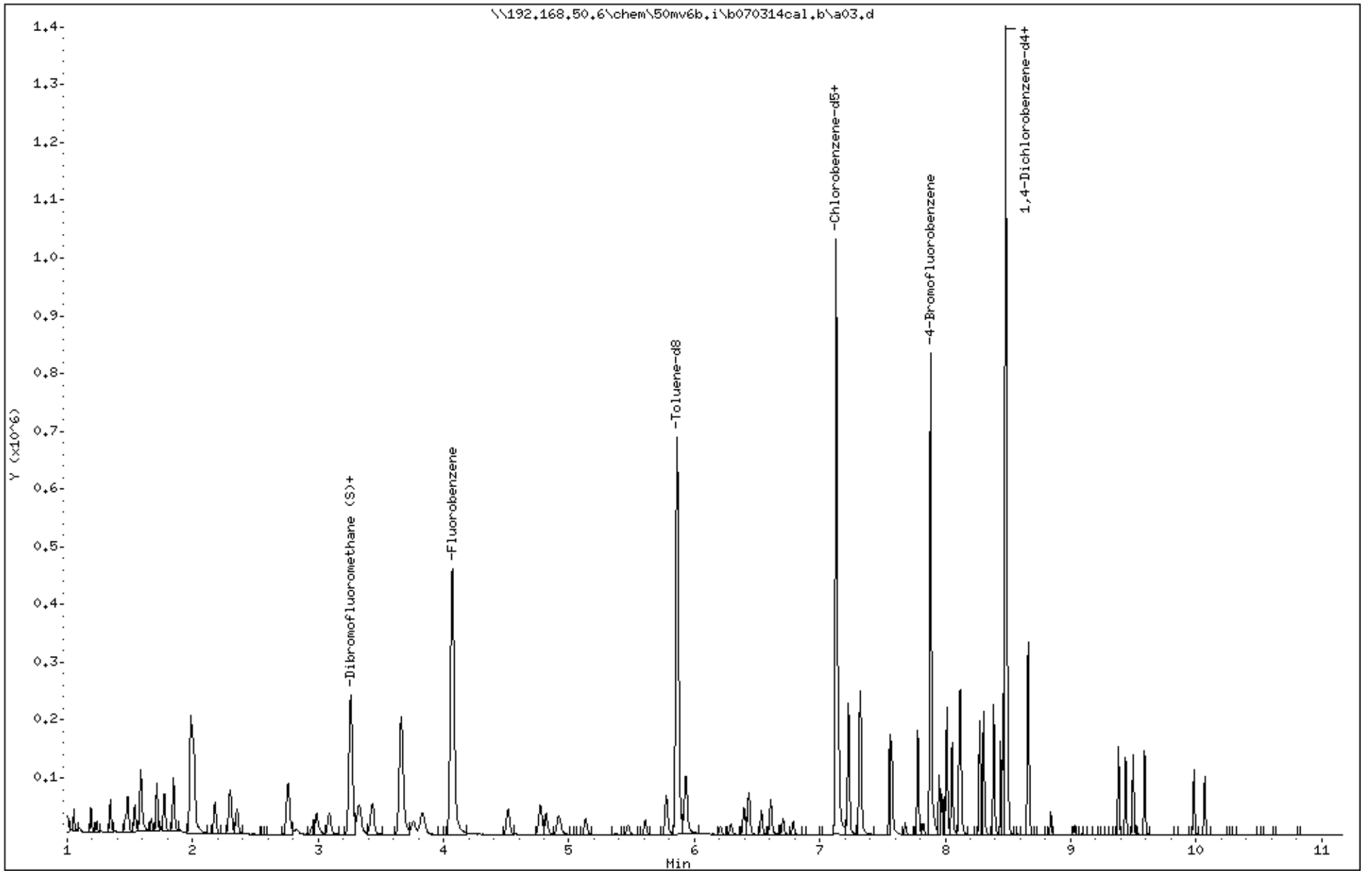
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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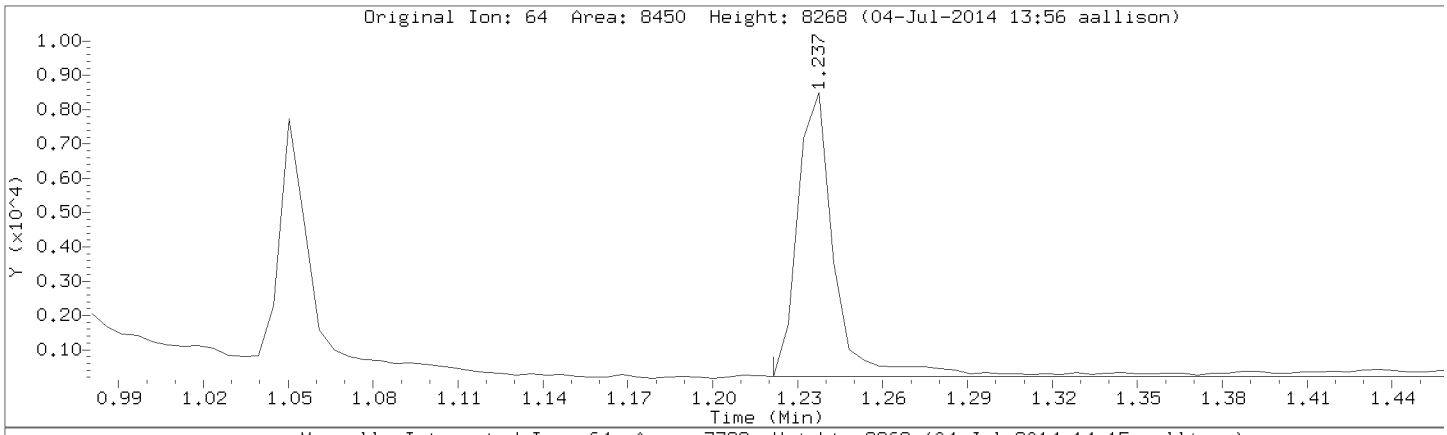
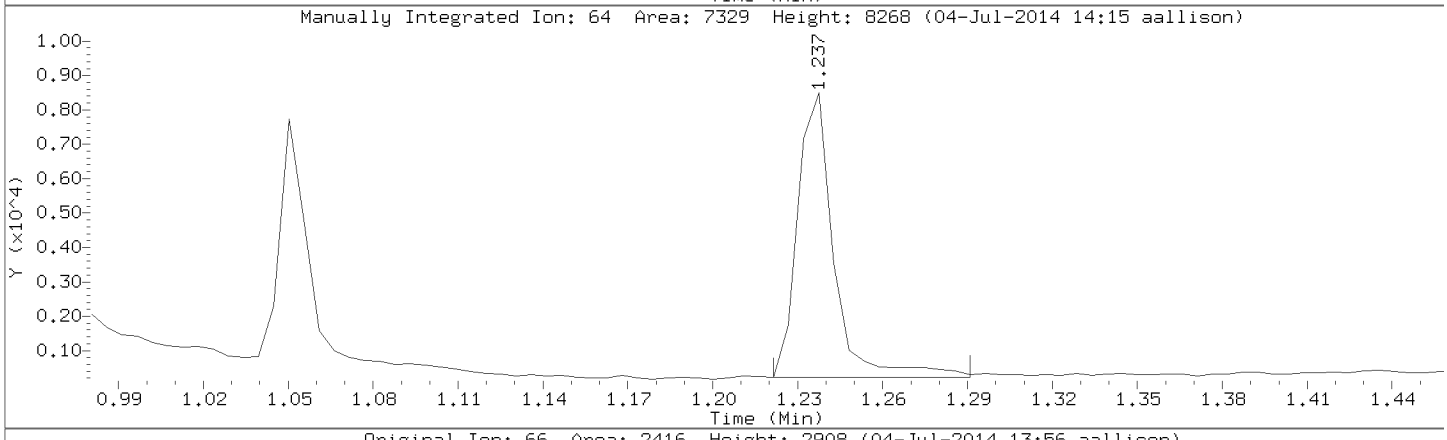
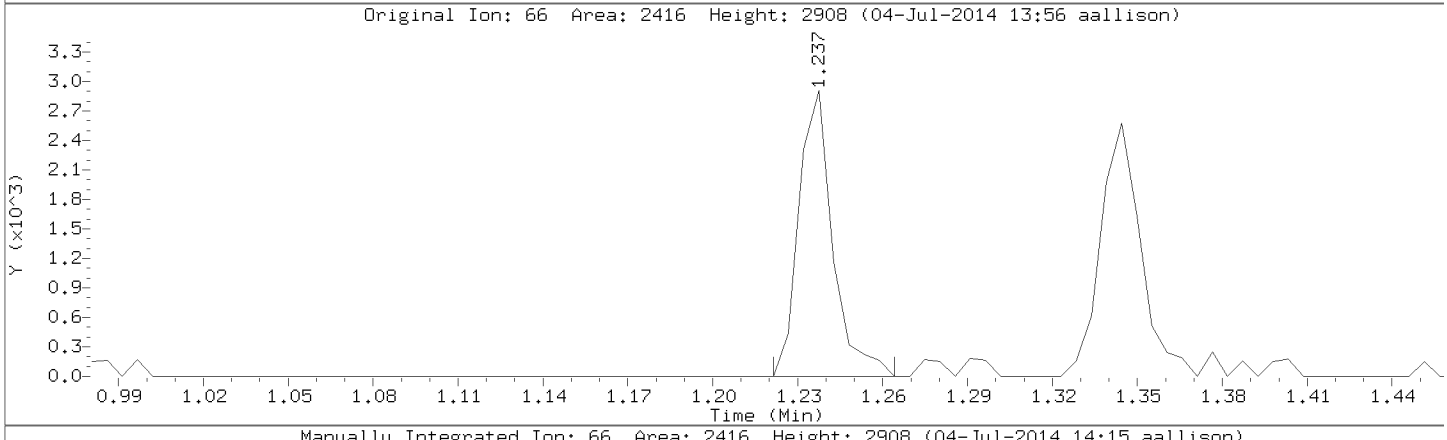
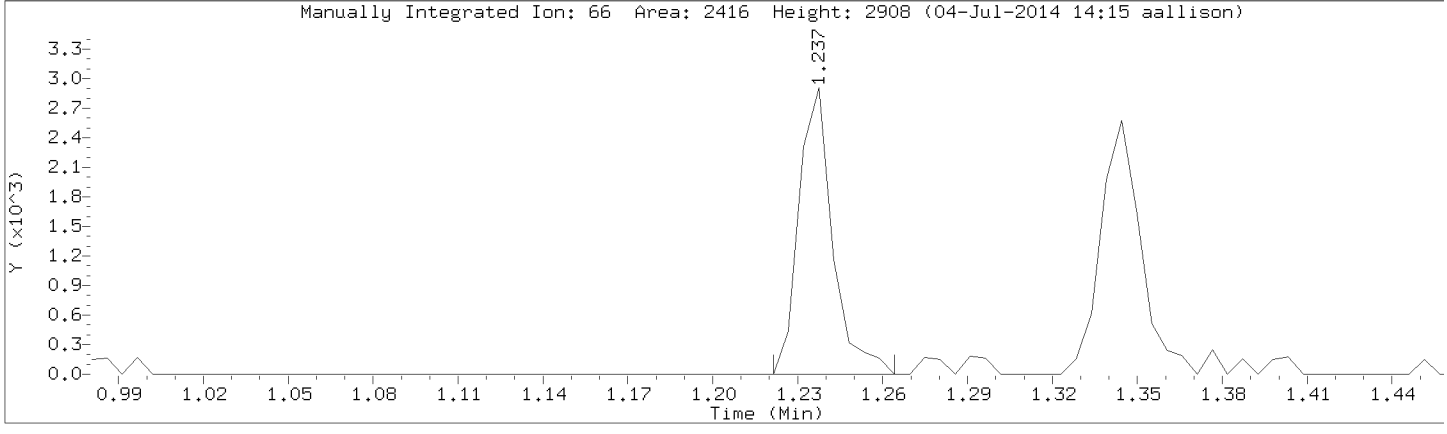
Injection Date: 03-JUL-2014 18:18
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Chloroethane
CAS Number: 75-00-3









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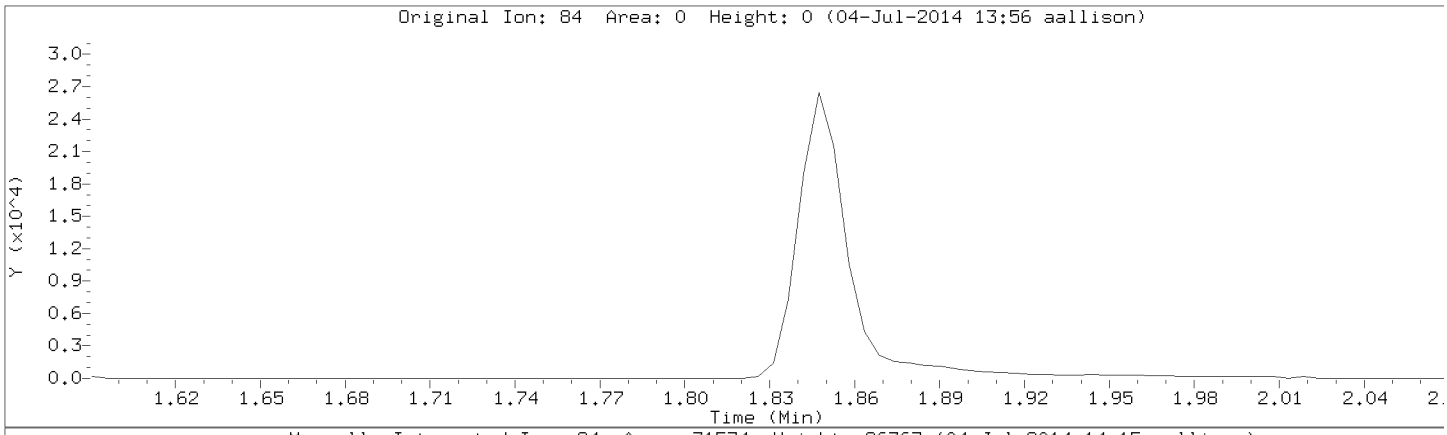
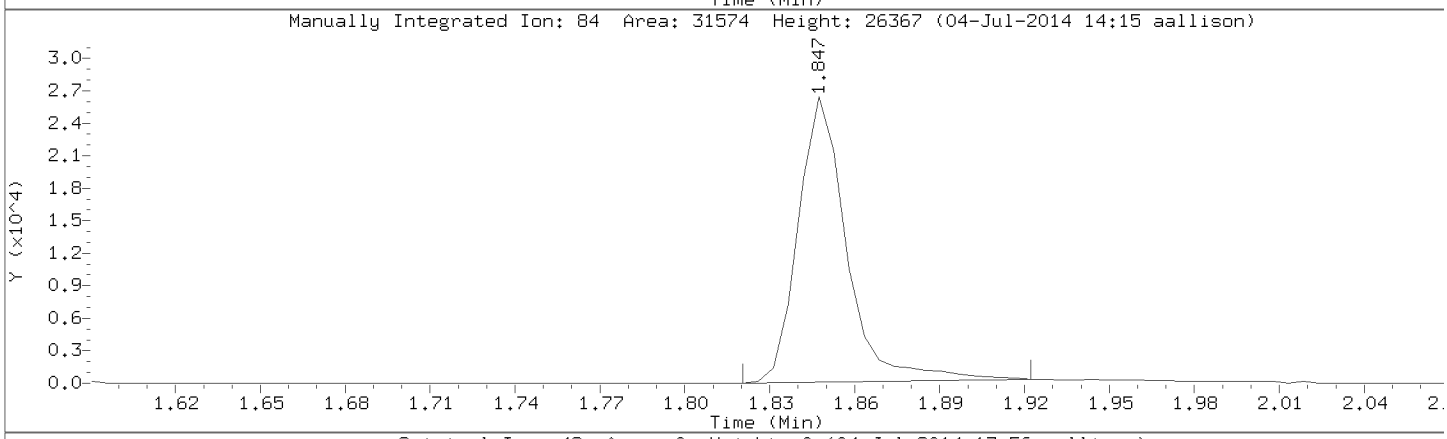
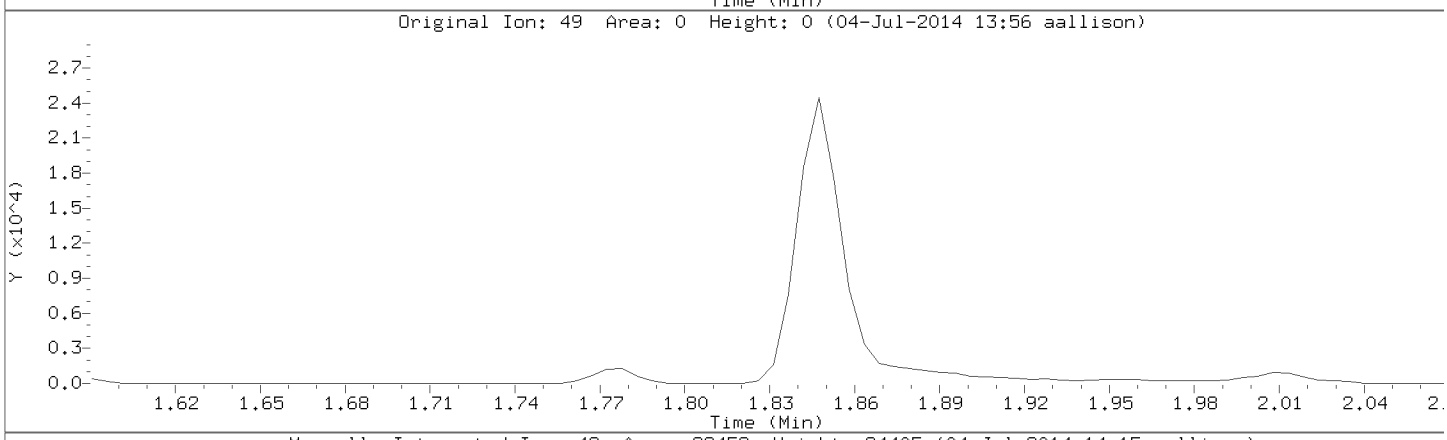
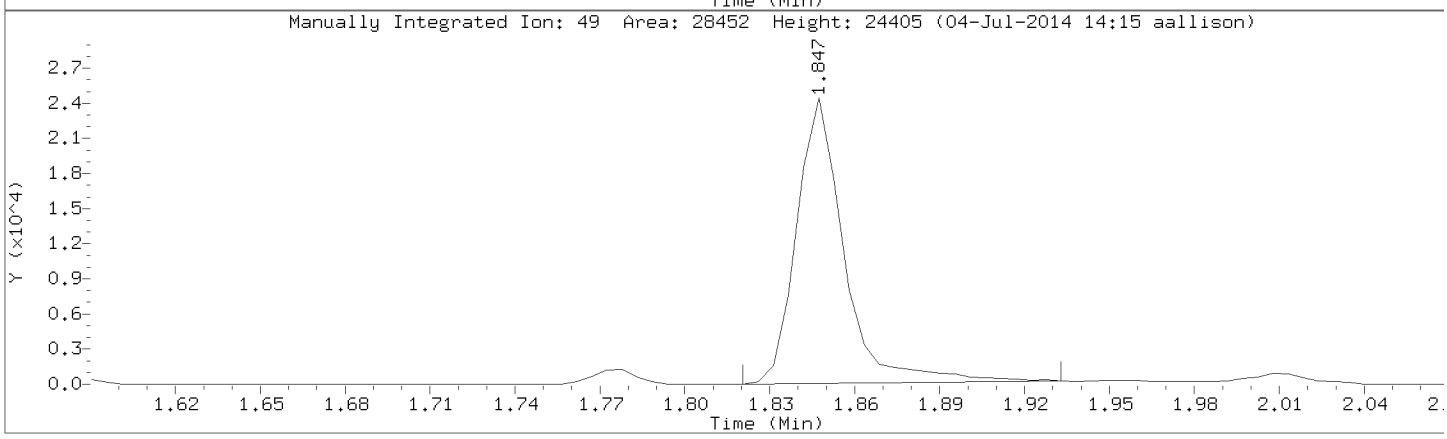
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Methylene Chloride
CAS Number: 75-09-2









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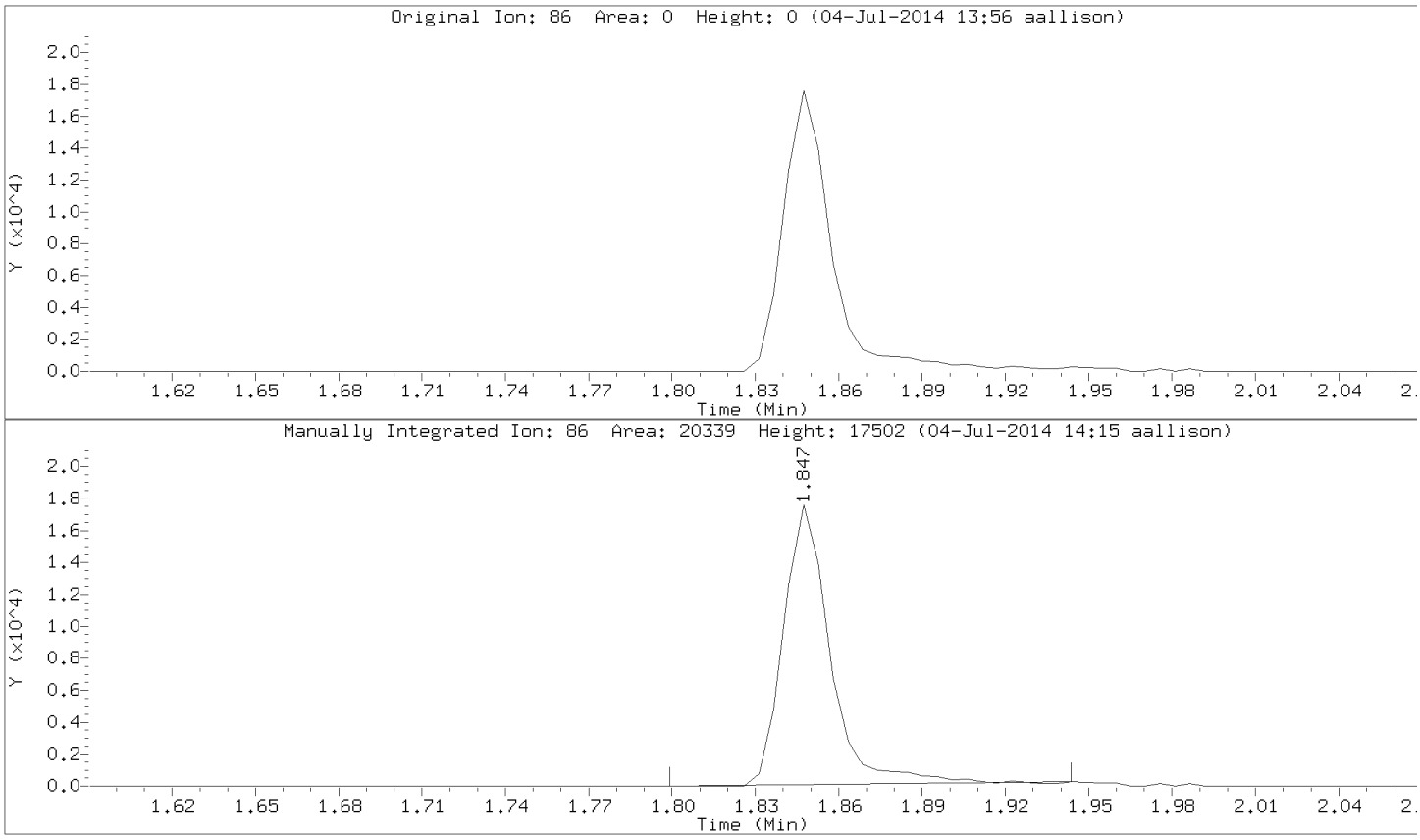
Lab Sample ID: 8260-CAL3



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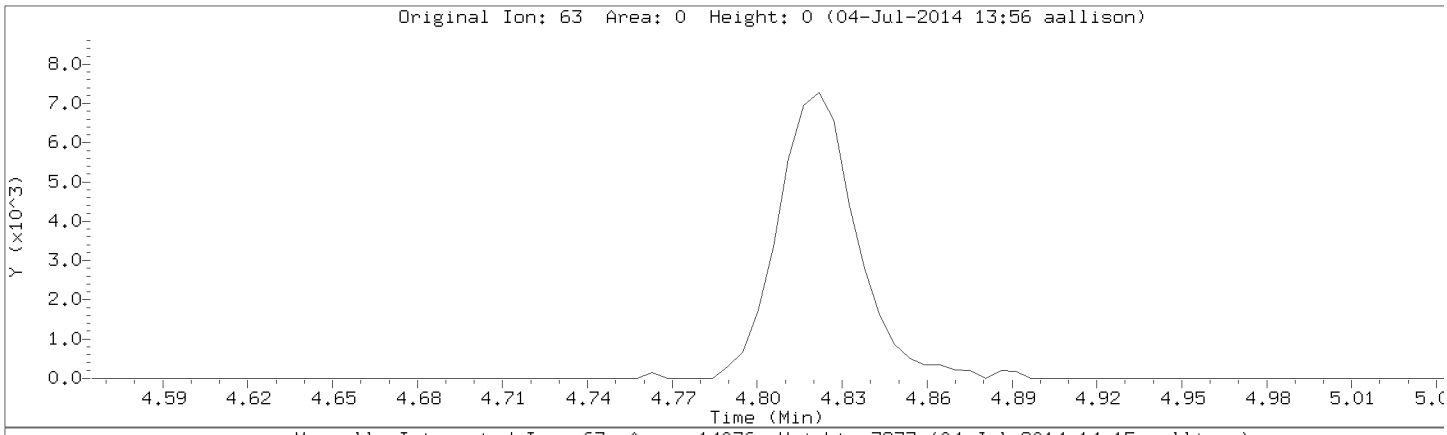
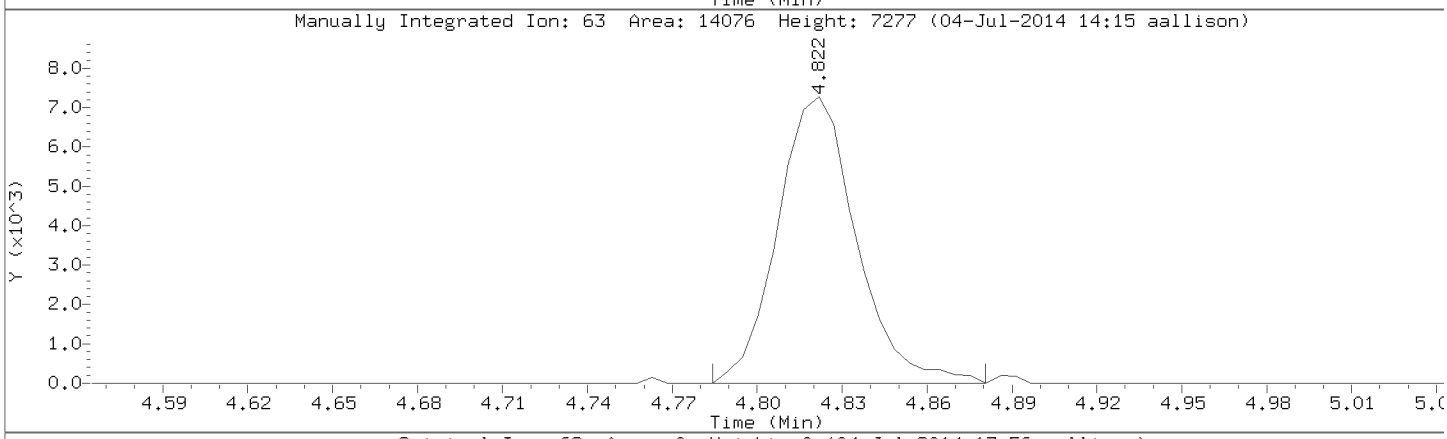
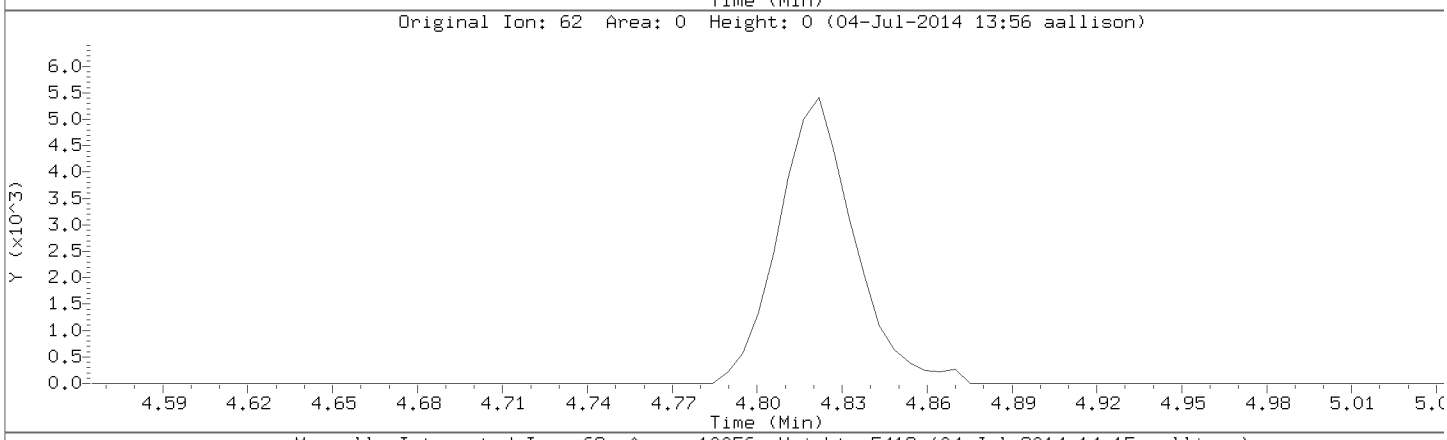
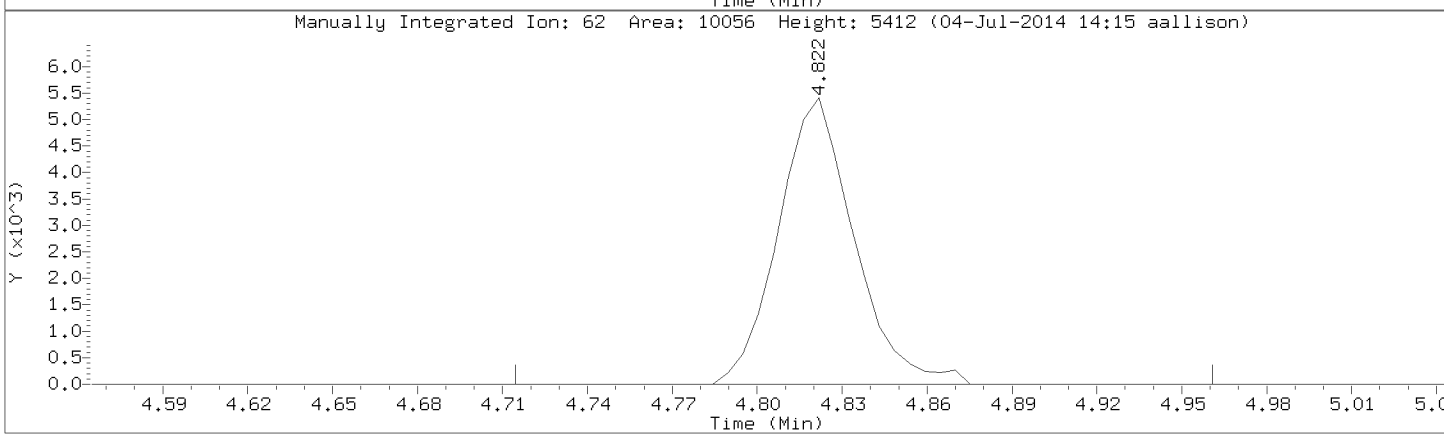
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5









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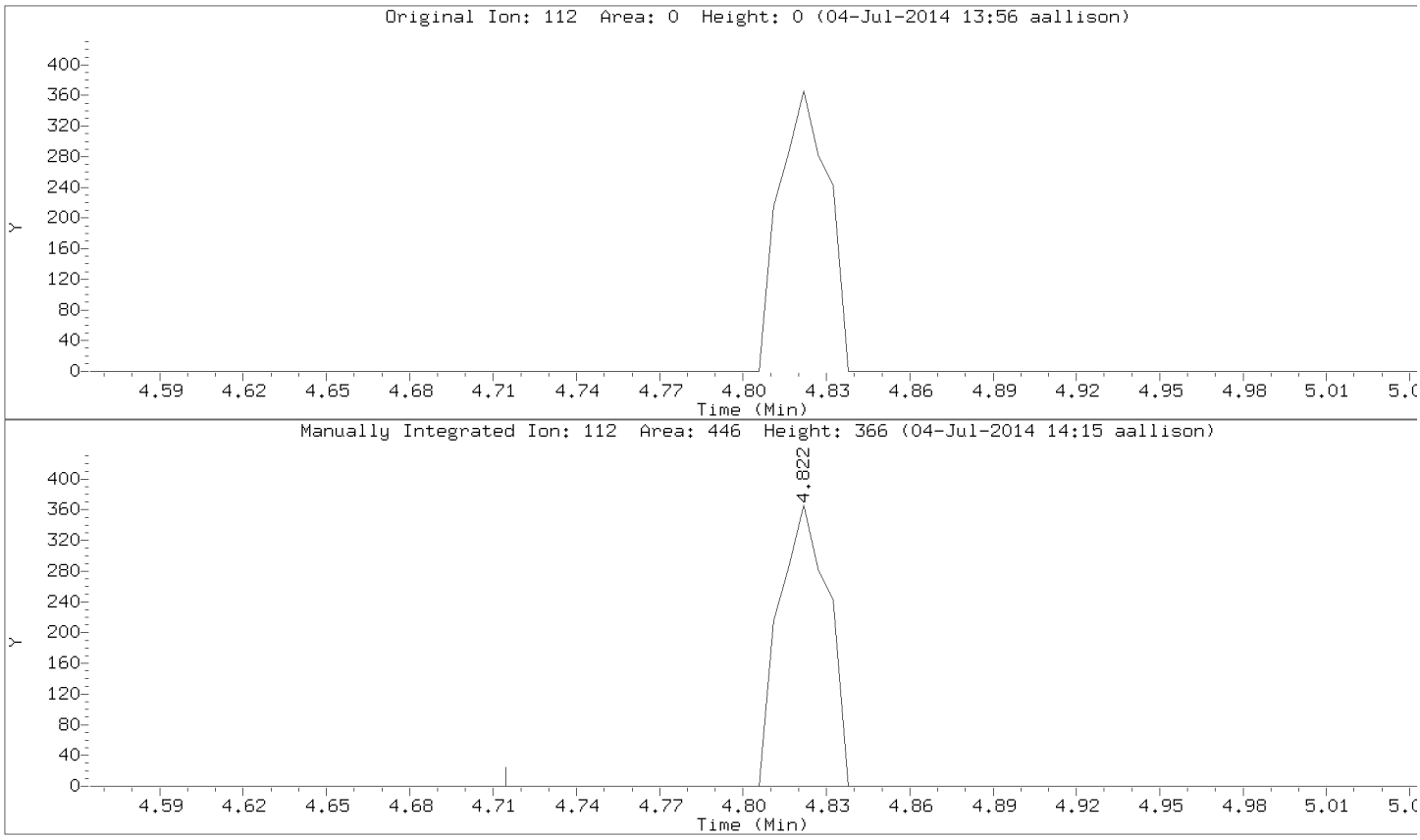
Lab Sample ID: 8260-CAL3



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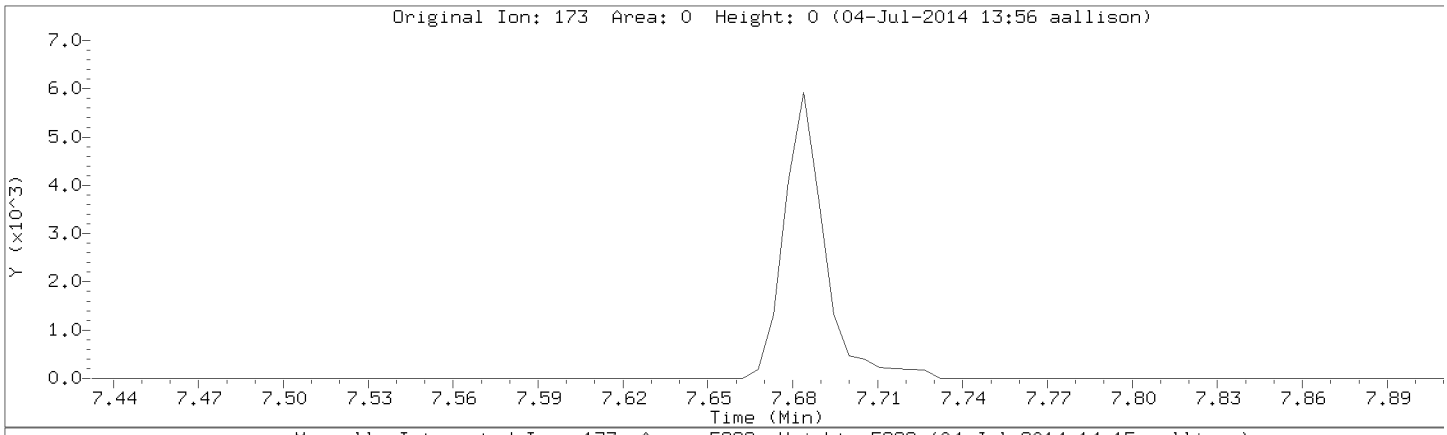
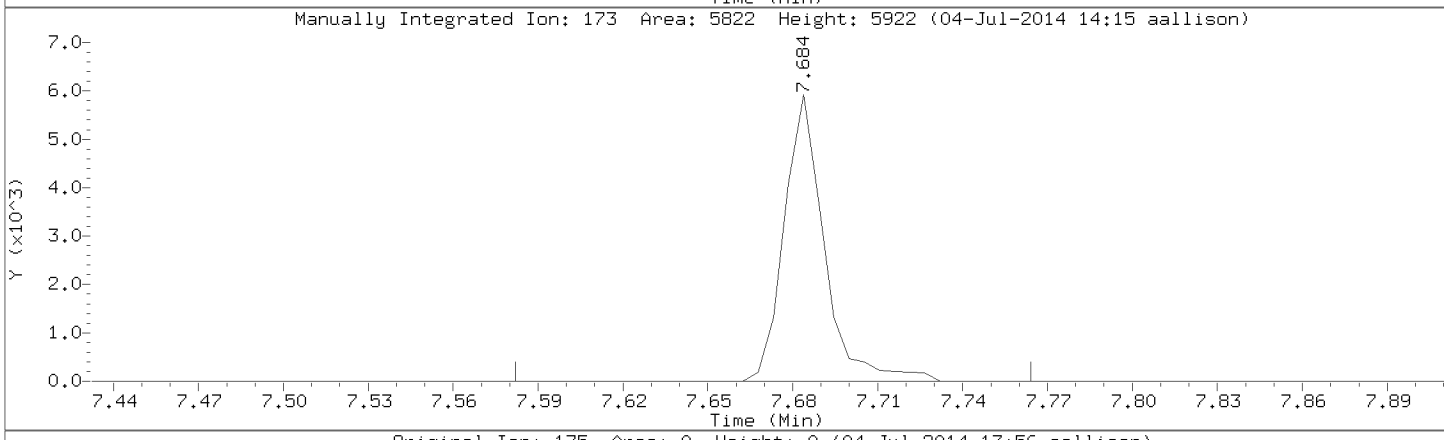
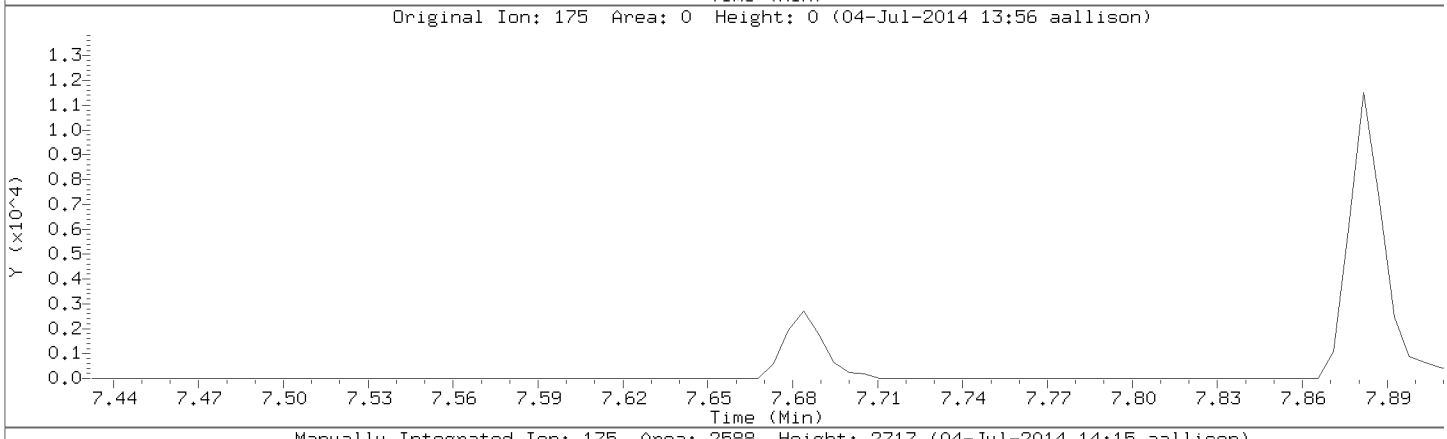
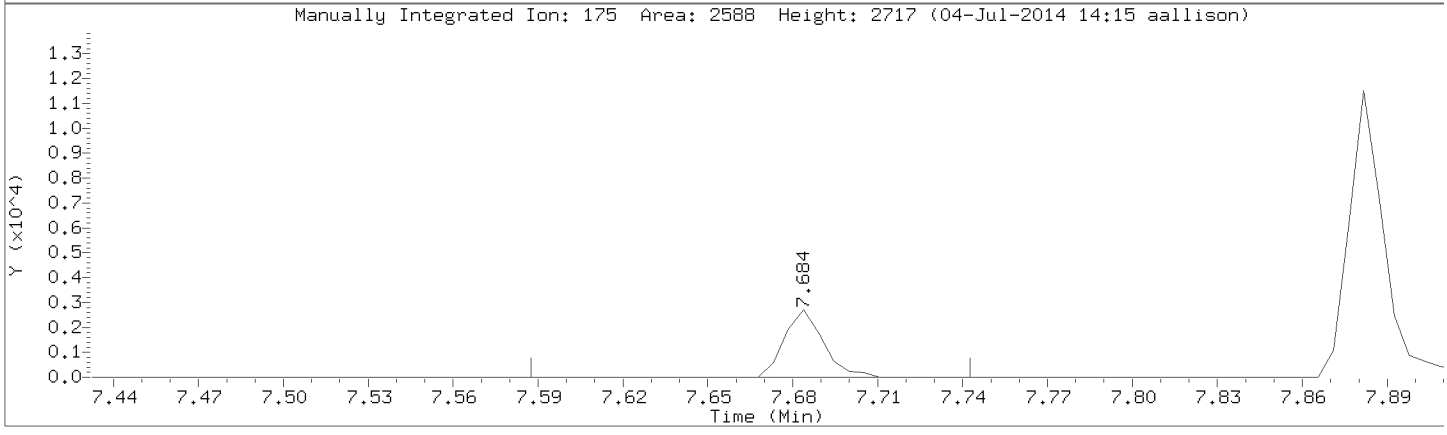
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: Bromoform
CAS Number: 75-25-2









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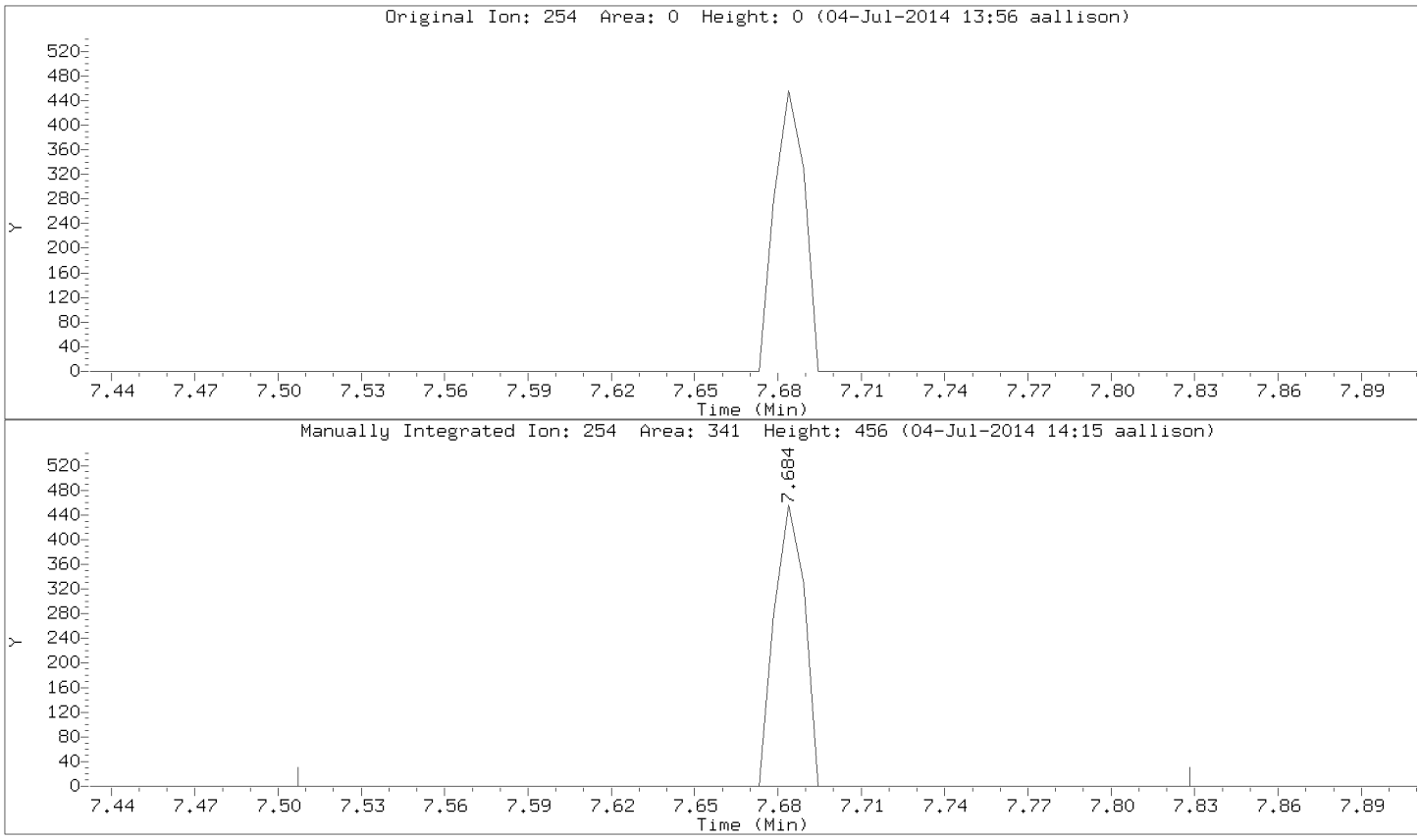
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3



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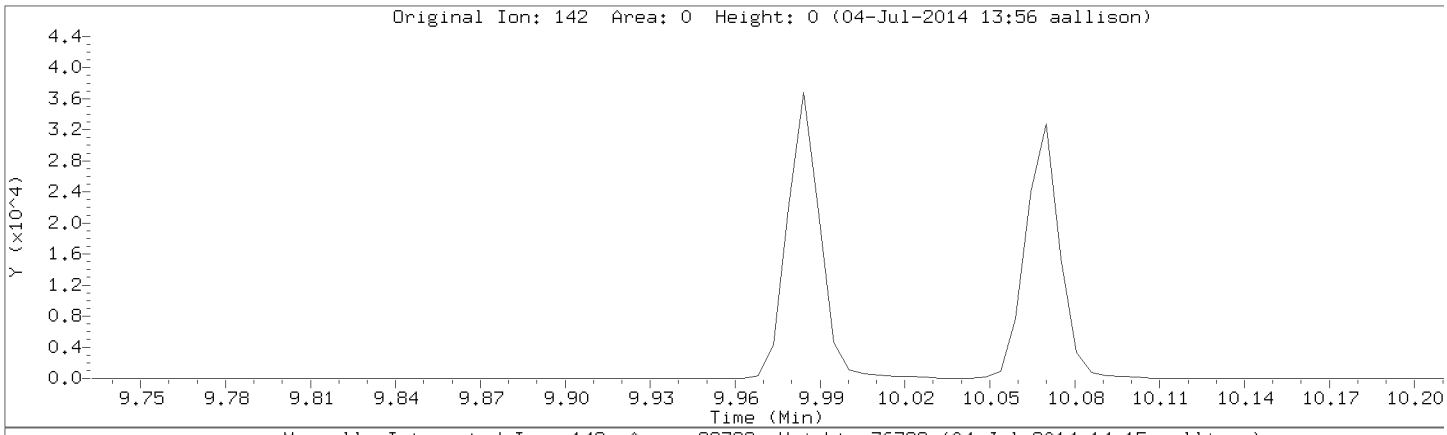
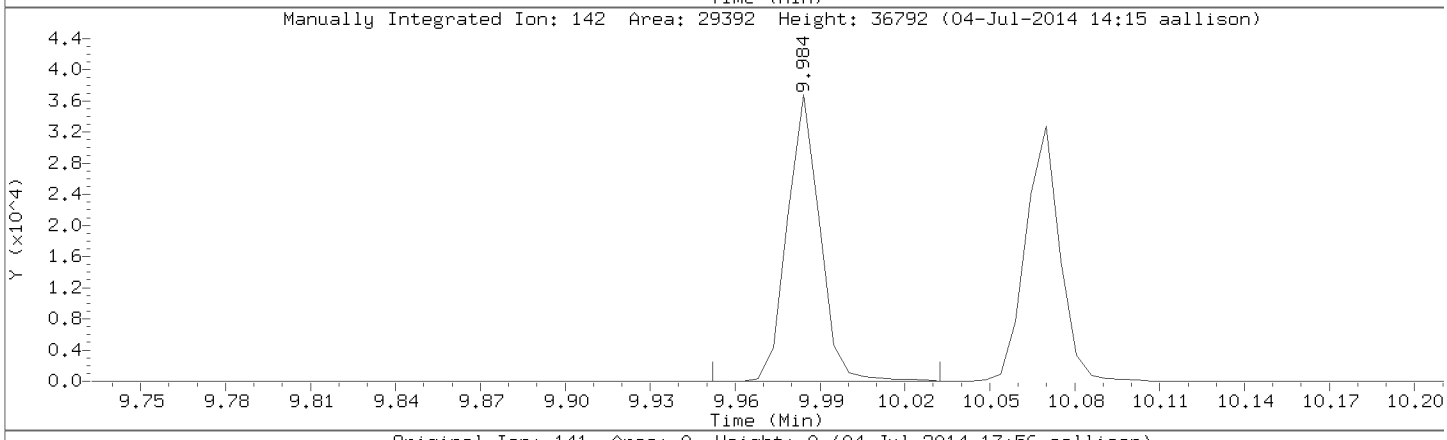
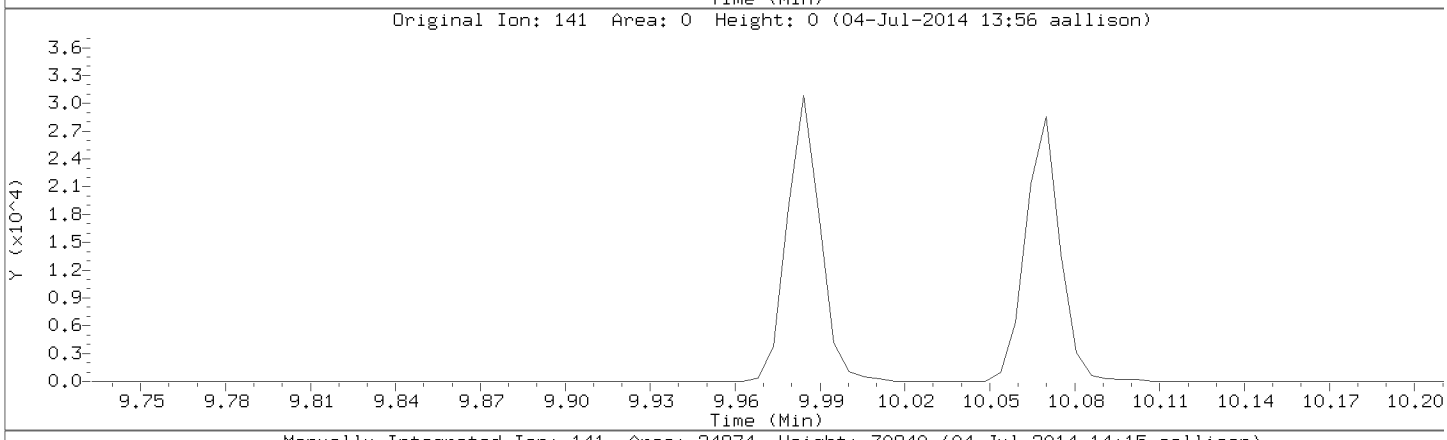
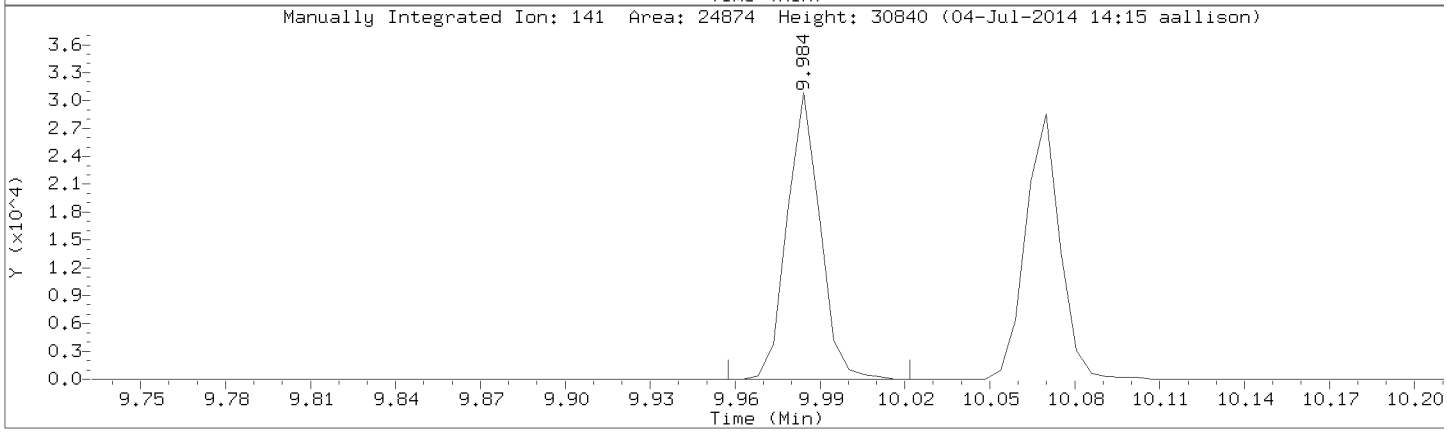
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL3

Compound: 2,methyl-naphthalene
CAS Number:









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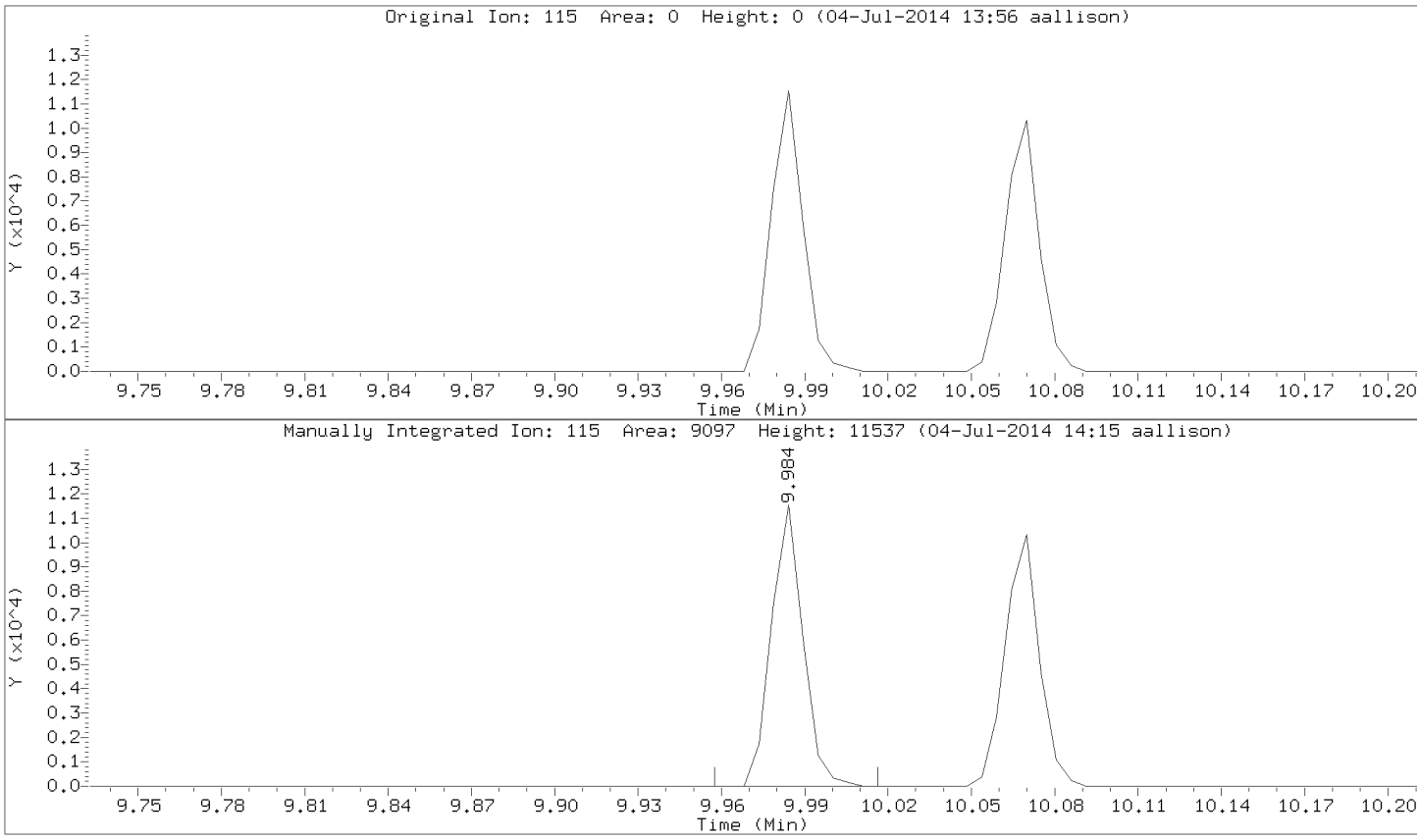
Lab Sample ID: 8260-CAL3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a04.d
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Inj Date : 03-JUL-2014 18:45
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal4,71927:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	51177	10.0000	12.2
2	Chloromethane	50	1.001	1.001	(0.246)	23962	10.0000	8.85
3	Vinyl Chloride	62	1.050	1.050	(0.258)	37236	10.0000	11.6
4	Bromomethane	94	1.189	1.189	(0.292)	29097	10.0000	8.01
5	Chloroethane	64	1.231	1.231	(0.303)	17899	10.0000	12.4
6	Trichlorofluoromethane	101	1.344	1.338	(0.331)	63302	10.0000	12.3
8	Diethyl ether	74	1.462	1.461	(0.359)	14353	10.0000	10.4
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	39584	10.0000	11.1
9	Acrolein	56	1.536	1.531	(0.378)	57637	200.000	216
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	37451	10.0000	11.8
11	1,1-Dichloroethene	96	1.585	1.585	(0.390)	32292	10.0000	10.6
12	Acetone	43	1.601	1.601	(0.394)	30399	50.0000	48.9
13	Iodomethane	142	1.670	1.670	(0.411)	51286	20.0000	22.3
14	Carbon Disulfide	76	1.713	1.713	(0.421)	160253	20.0000	21.0
16	Methyl Acetate	43	1.761	1.756	(0.433)	14303	10.0000	9.91
143	Acetonitrile	39	1.772	1.772	(0.436)	38795	10.0000	9.38
15	allyl chloride	41	1.772	1.772	(0.436)	56310	20.0000	21.5
17	Methylene Chloride	84	1.847	1.841	(0.454)	50146	10.0000	6.23
18	tert-Butyl Alcohol	59	1.890	1.889	(0.465)	4205	20.0000	18.2(M)
19	Acrylonitrile	53	1.980	1.980	(0.487)	258304	200.000	194
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.491)	141884	20.0000	21.8
21	1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	46188	10.0000	11.2
22	n-Hexane	57	2.178	2.173	(0.536)	51563	10.0000	11.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	153275	40.0000	49.5
	23 1,1-Dichloroethane	63	2.301	2.301	(0.566)	71063	10.0000	11.0
	147 chloroprene	53	2.350	2.350	(0.578)	48239	10.0000	10.8
	28 2-Butanone	43	2.745	2.745	(0.675)	59369	50.0000	47.1
	26 1,2-Dichloroethene (cis)	96	2.756	2.756	(0.678)	47822	10.0000	11.1
	27 2,2-Dichloropropane	77	2.762	2.761	(0.679)	24510	10.0000	9.65
	149 Propionitrile	54	2.810	2.810	(0.691)	5036	10.0000	11.2(Q)
	144 Methacrylonitrile	41	2.949	2.943	(0.725)	13891	10.0000	9.81
	30 Bromochloromethane	49	2.981	2.981	(0.733)	28934	10.0000	10.6
	31 Tetrahydrofuran	42	3.002	3.002	(0.738)	9514	10.0000	8.89
	32 Chloroform	83	3.088	3.082	(0.759)	69684	10.0000	10.6
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.801)	145420	50.0000	50.6
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.800)	48724	10.0000	11.4
	35 Cyclohexane	56	3.329	3.323	(0.818)	58754	10.0000	12.3
	36 Carbon Tetrachloride	117	3.425	3.419	(0.842)	38544	10.0000	10.8
	37 1,1-Dichloropropene	75	3.436	3.430	(0.845)	49696	10.0000	12.1
	39 Benzene	78	3.666	3.660	(0.901)	136988	10.0000	11.0
	40 1,2-Dichloroethane	62	3.757	3.756	(0.924)	43882	10.0000	10.2
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	19903	10.0000	11.7
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	119260	10.0000	12.2
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	538288	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	37014	10.0000	11.1
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	41225	10.0000	12.4
	44 1,2-Dichloropropane	63	4.821	4.816	(1.185)	30812	10.0000	10.1
	45 Dibromomethane	93	4.912	4.912	(1.208)	22445	10.0000	10.9
	142 1,4-Dioxane	88	4.923	4.923	(1.210)	8924	200.000	216
	46 Methyl methacrylate	69	4.933	4.928	(1.213)	13114	10.0000	10.0
	47 Bromodichloromethane	83	5.131	5.131	(1.262)	40818	10.0000	10.4
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	17748	20.0000	18.3
	49 cis-1,3-Dichloropropene	75	5.602	5.602	(0.785)	33105	10.0000	9.02
	50 4-Methyl-2-Pentanone	43	5.773	5.773	(0.809)	100820	50.0000	56.6
$	51 Toluene-d8	98	5.864	5.859	(0.822)	466094	50.0000	50.5
	52 Toluene	91	5.929	5.928	(0.831)	153341	10.0000	10.6
	53 trans-1,3-Dichloropropene	75	6.207	6.207	(0.870)	19806	10.0000	8.39
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	24802	10.0000	9.92
	55 1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	23323	10.0000	10.6
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	42457	10.0000	11.0
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	44375	10.0000	10.8
	58 2-Hexanone	43	6.603	6.603	(0.926)	74665	50.0000	53.2
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	26783	10.0000	10.9
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	27888	10.0000	9.77
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	401224	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	104750	10.0000	10.5
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	24650	10.0000	9.64
	64 Ethylbenzene	106	7.229	7.228	(1.014)	55908	10.0000	11.0
	65 m&p-Xylene	106	7.319	7.325	(1.026)	146745	20.0000	22.5
	67 o-Xylene	106	7.560	7.560	(1.060)	66610	10.0000	11.6
	68 Styrene	104	7.576	7.576	(1.062)	110616	10.0000	11.4
	69 Bromoform	173	7.683	7.683	(0.905)	13661	10.0000	8.73
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	166936	10.0000	11.7
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	169032	50.0000	51.2
	74 Bromobenzene	77	7.951	7.951	(1.115)	59205	10.0000	10.6
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	36218	10.0000	9.58
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	6414	10.0000	8.66

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	10662	10.0000	10.5
76	n-Propylbenzene	91	8.015	8.015	(0.945)	203772	10.0000	11.2
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	130479	10.0000	11.1
78	1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	143336	10.0000	11.7
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	47641	10.0000	10.7
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	151226	10.0000	11.3
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	143542	10.0000	11.5
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	191068	10.0000	11.2
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	87780	10.0000	10.6
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	164418	10.0000	11.3
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	219823	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	90778	10.0000	10.0
87	n-Butylbenzene	91	8.657	8.662	(1.020)	147330	10.0000	11.4
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	81338	10.0000	10.2
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	4321	10.0000	10.0
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	48057	10.0000	10.0
91	Hexachlorobutadiene	225	9.438	9.443	(1.112)	24395	10.0000	10.2
92	Naphthalene	128	9.497	9.502	(1.119)	115256	10.0000	9.95
93	1,2,3-Trichlorobenzene	180	9.588	9.593	(1.130)	41620	10.0000	9.34
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	49134	10.0000	8.81
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	36808	10.0000	8.10

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a04.d
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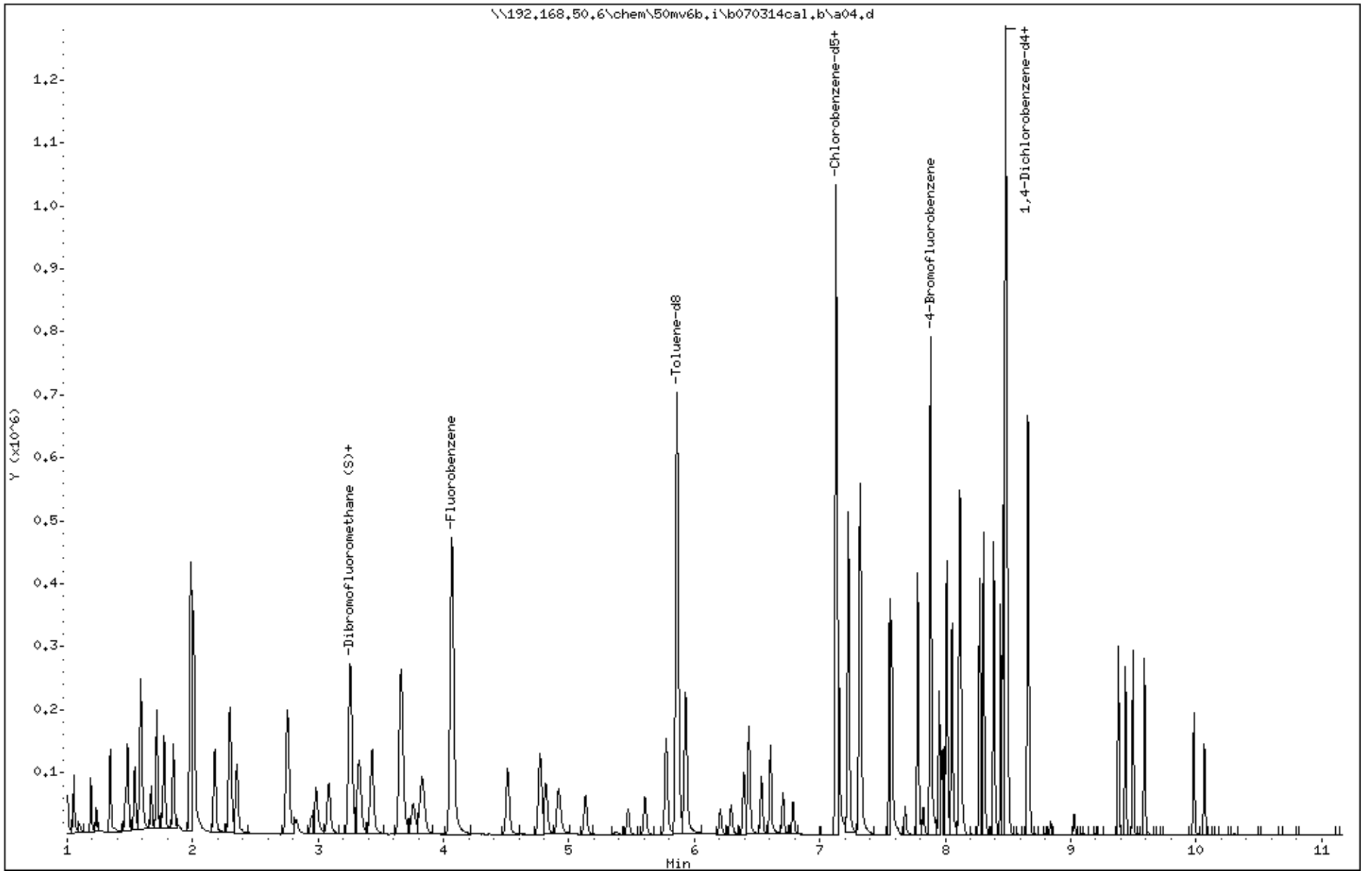
Sample Info: 8260-CAL4,71927:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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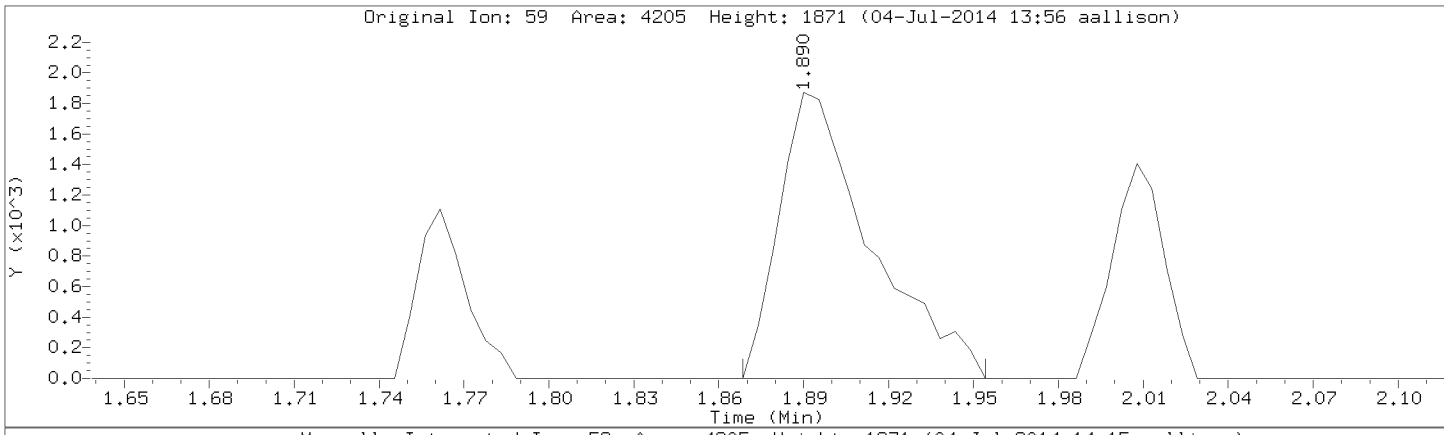
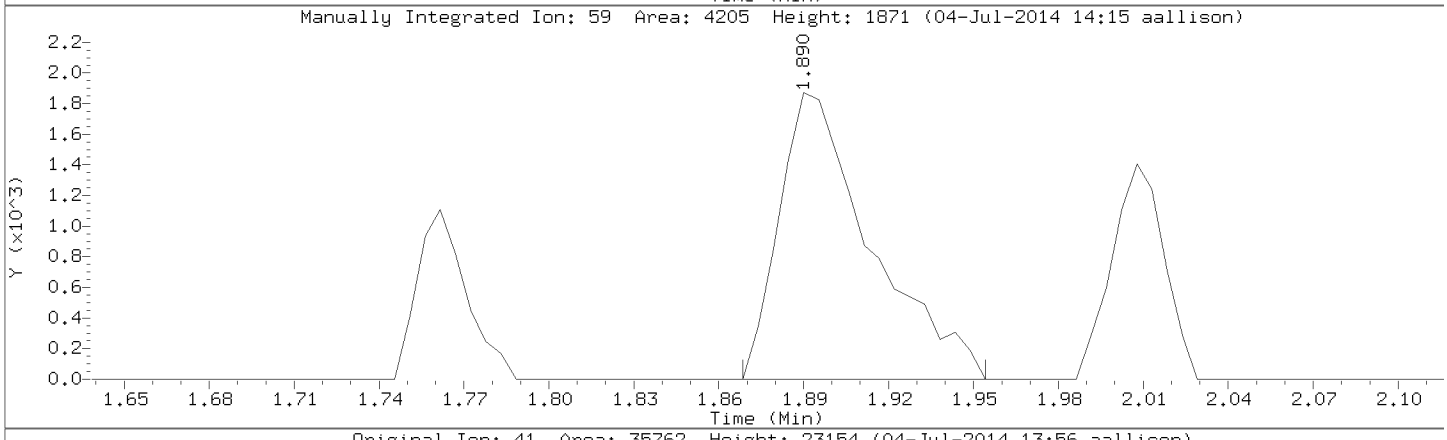
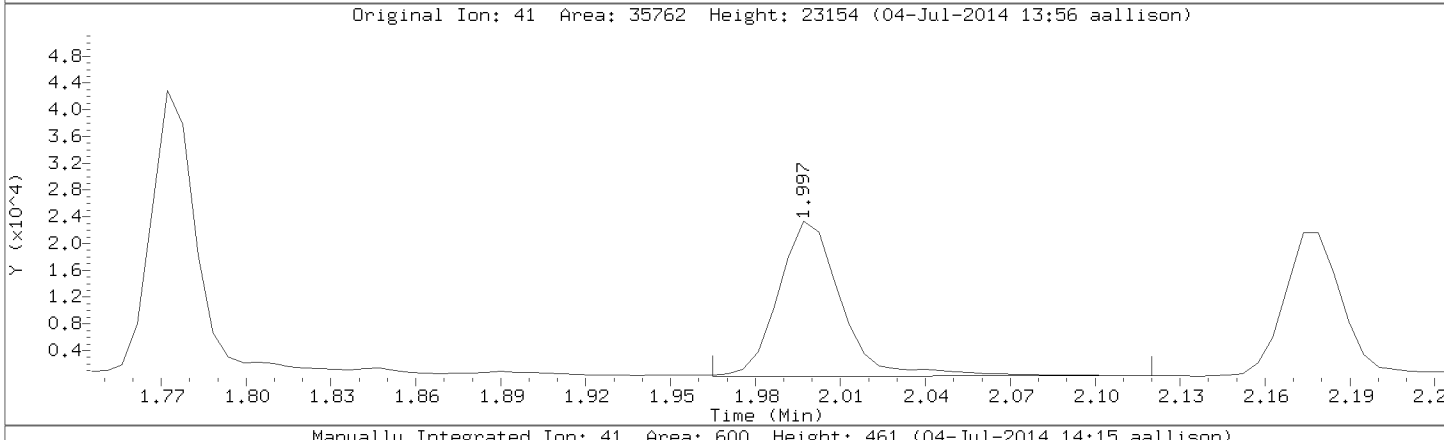
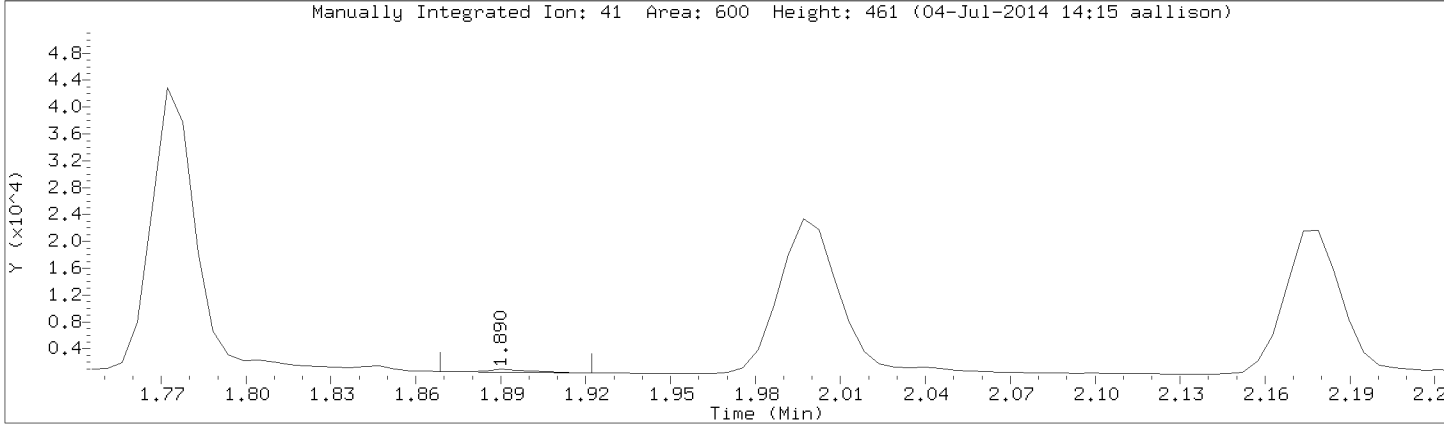
Injection Date: 03-JUL-2014 18:45
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL4

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









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Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a05.d
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Inj Date : 03-JUL-2014 19:13
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal5,71928:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	93754	20.0000	20.3
2	Chloromethane	50	1.002	1.001	(0.246)	54816	20.0000	19.7
3	Vinyl Chloride	62	1.050	1.050	(0.258)	72617	20.0000	20.9
4	Bromomethane	94	1.189	1.189	(0.292)	46841	20.0000	12.7
5	Chloroethane	64	1.232	1.231	(0.302)	32356	20.0000	20.3
6	Trichlorofluoromethane	101	1.344	1.338	(0.330)	113905	20.0000	20.1
8	Diethyl ether	74	1.462	1.461	(0.359)	31042	20.0000	21.2
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	81631	20.0000	21.2
9	Acrolein	56	1.537	1.531	(0.377)	109511	400.000	383
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	77142	20.0000	22.4
11	1,1-Dichloroethene	96	1.585	1.585	(0.389)	66855	20.0000	20.5
12	Acetone	43	1.601	1.601	(0.393)	57200	100.000	87.8
13	Iodomethane	142	1.670	1.670	(0.410)	132669	40.0000	53.2
14	Carbon Disulfide	76	1.713	1.713	(0.421)	334588	40.0000	41.2
16	Methyl Acetate	43	1.756	1.756	(0.431)	28083	20.0000	18.5
143	Acetonitrile	39	1.772	1.772	(0.435)	82790	20.0000	19.3
15	allyl chloride	41	1.772	1.772	(0.435)	107812	40.0000	38.5
17	Methylene Chloride	84	1.847	1.841	(0.454)	84076	20.0000	11.0
18	tert-Butyl Alcohol	59	1.890	1.889	(0.464)	8978	40.0000	37.8(M)
19	Acrylonitrile	53	1.981	1.980	(0.486)	510568	400.000	367
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.490)	304602	40.0000	43.6
21	1,2-Dichloroethene (trans)	96	2.007	2.007	(0.493)	92577	20.0000	20.8
22	n-Hexane	57	2.178	2.173	(0.535)	109979	20.0000	21.7

		QUANT SIG					AMOUNTS	
							CAL-AMT	ON-COL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)
	24 Vinyl Acetate	43	2.296	2.291	(0.564)	329955	80.0000	95.5
	23 1,1-Dichloroethane	63	2.302	2.301	(0.565)	142088	20.0000	20.4
	147 chloroprene	53	2.355	2.350	(0.578)	102042	20.0000	21.2
	28 2-Butanone	43	2.751	2.745	(0.676)	124753	100.000	95.3
	26 1,2-Dichloroethene (cis)	96	2.762	2.756	(0.678)	96586	20.0000	20.8
	27 2,2-Dichloropropane	77	2.762	2.761	(0.678)	57210	20.0000	21.6
	149 Propionitrile	54	2.810	2.810	(0.690)	10381	20.0000	21.3(Q)
	144 Methacrylonitrile	41	2.949	2.943	(0.724)	28763	20.0000	19.4
	30 Bromochloromethane	49	2.986	2.981	(0.733)	57781	20.0000	19.8
	31 Tetrahydrofuran	42	3.002	3.002	(0.737)	16502	20.0000	15.0
	32 Chloroform	83	3.088	3.082	(0.758)	140179	20.0000	20.0
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.799)	146829	50.0000	48.3
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.799)	104222	20.0000	22.5
	35 Cyclohexane	56	3.323	3.323	(0.816)	124230	20.0000	23.6
	36 Carbon Tetrachloride	117	3.425	3.419	(0.841)	84857	20.0000	22.1
	37 1,1-Dichloropropene	75	3.430	3.430	(0.842)	107362	20.0000	23.8
	39 Benzene	78	3.666	3.660	(0.900)	285288	20.0000	21.3
	40 1,2-Dichloroethane	62	3.762	3.756	(0.924)	88265	20.0000	19.3
	38 Isobutyl alcohol	43	3.832	3.826	(0.941)	41390	20.0000	22.2
	141 2,2,4-Trimethylpentane	57	3.832	3.826	(0.941)	251445	20.0000	23.4
*	41 Fluorobenzene	96	4.072	4.067	(1.000)	567198	50.0000	
	42 Trichloroethene	95	4.516	4.511	(1.109)	78526	20.0000	21.9
	43 Methylcyclohexane	55	4.768	4.768	(1.171)	89344	20.0000	24.3
	44 1,2-Dichloropropane	63	4.821	4.816	(1.184)	68856	20.0000	21.4
	45 Dibromomethane	93	4.918	4.912	(1.208)	47055	20.0000	21.3
	142 1,4-Dioxane	88	4.928	4.923	(1.210)	19101	400.000	430
	46 Methyl methacrylate	69	4.934	4.928	(1.211)	31201	20.0000	22.6
	47 Bromodichloromethane	83	5.132	5.131	(1.260)	88072	20.0000	21.1
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	43651	80.0000	45.6
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	82894	20.0000	22.9
	50 4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	208710	100.000	113
$	51 Toluene-d8	98	5.864	5.859	(0.822)	473407	50.0000	50.7
	52 Toluene	91	5.934	5.928	(0.832)	306617	20.0000	20.8
	53 trans-1,3-Dichloropropene	75	6.212	6.207	(0.871)	53058	20.0000	23.2
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	58063	20.0000	23.0
	55 1,1,2-Trichloroethane	83	6.399	6.394	(0.897)	48904	20.0000	21.7
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	87705	20.0000	22.1
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	96622	20.0000	22.9
	58 2-Hexanone	43	6.603	6.603	(0.926)	154564	100.000	108
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	62175	20.0000	24.6
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	61144	20.0000	21.4
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	404840	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	210226	20.0000	20.7
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	55285	20.0000	21.7
	64 Ethylbenzene	106	7.234	7.228	(1.014)	112834	20.0000	21.6
	65 m&p-Xylene	106	7.320	7.325	(1.026)	290159	40.0000	43.0
	67 o-Xylene	106	7.560	7.560	(1.060)	129472	20.0000	21.6
	68 Styrene	104	7.576	7.576	(1.062)	225319	20.0000	22.4
	69 Bromoform	173	7.683	7.683	(0.905)	31660	20.0000	21.5
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	324489	20.0000	21.8
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	169072	50.0000	50.5
	74 Bromobenzene	77	7.951	7.951	(1.115)	112141	20.0000	19.7
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	69698	20.0000	19.2
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	14238	20.0000	19.7(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	20663	20.0000	20.8
76	n-Propylbenzene	91	8.015	8.015	(0.945)	387021	20.0000	21.4
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	232066	20.0000	19.8
78	1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	256925	20.0000	20.9
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	90912	20.0000	20.7
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	269644	20.0000	20.3
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	258151	20.0000	20.7
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	330021	20.0000	19.3
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	163840	20.0000	20.1
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	282463	20.0000	19.4
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	213305	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	170221	20.0000	19.4
87	n-Butylbenzene	91	8.657	8.662	(1.020)	254250	20.0000	19.5
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	141887	20.0000	18.2
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	7354	20.0000	17.5
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	76014	20.0000	16.3
91	Hexachlorobutadiene	225	9.438	9.443	(1.112)	31868	20.0000	13.7
92	Naphthalene	128	9.497	9.502	(1.119)	175020	20.0000	15.6
93	1,2,3-Trichlorobenzene	180	9.588	9.593	(1.130)	60180	20.0000	14.1
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	68006	20.0000	12.9
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	49183	20.0000	11.7

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a05.d
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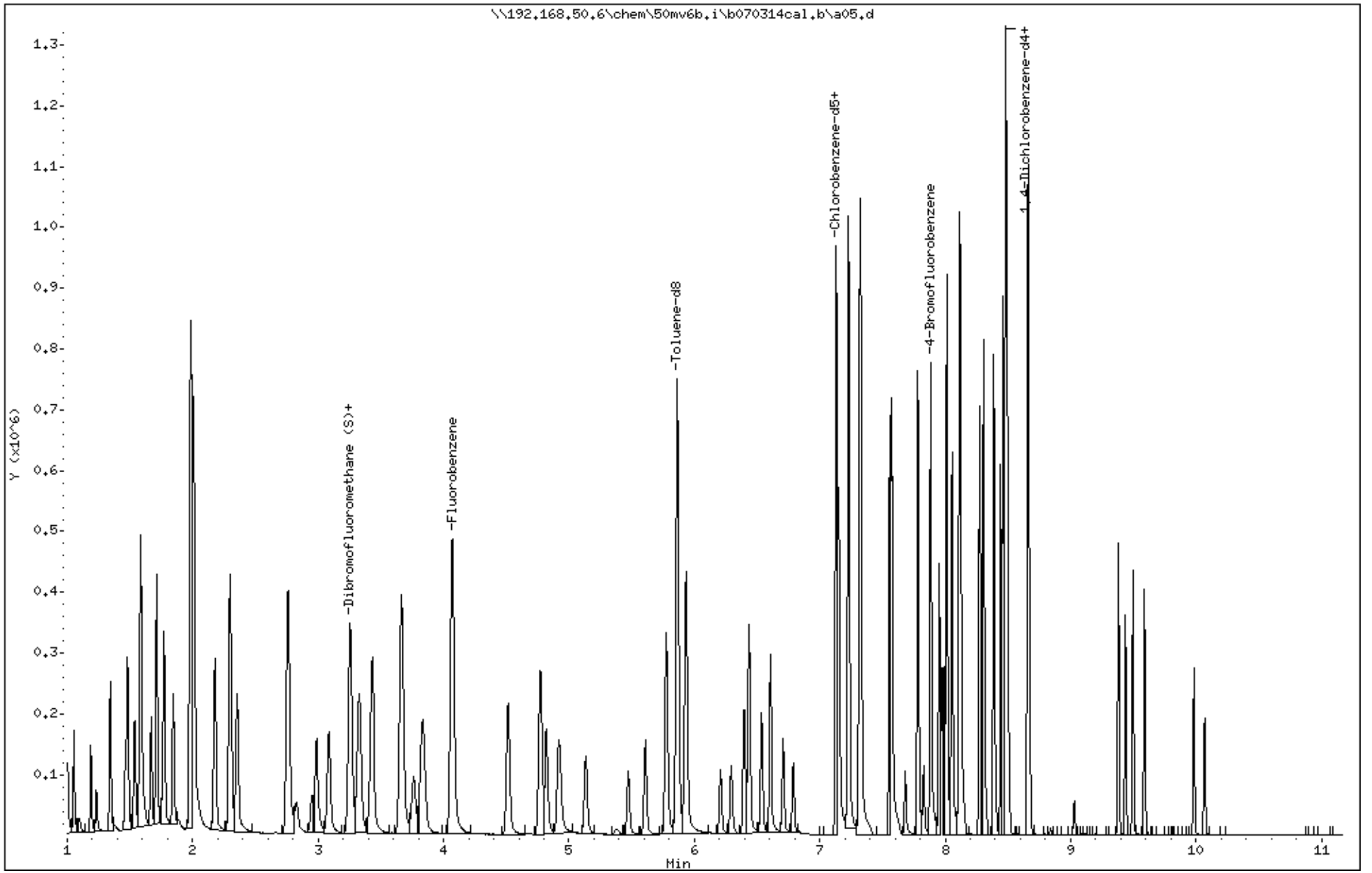
Client ID: 8260-CAL5
Sample Info: 8260-CAL5,71928:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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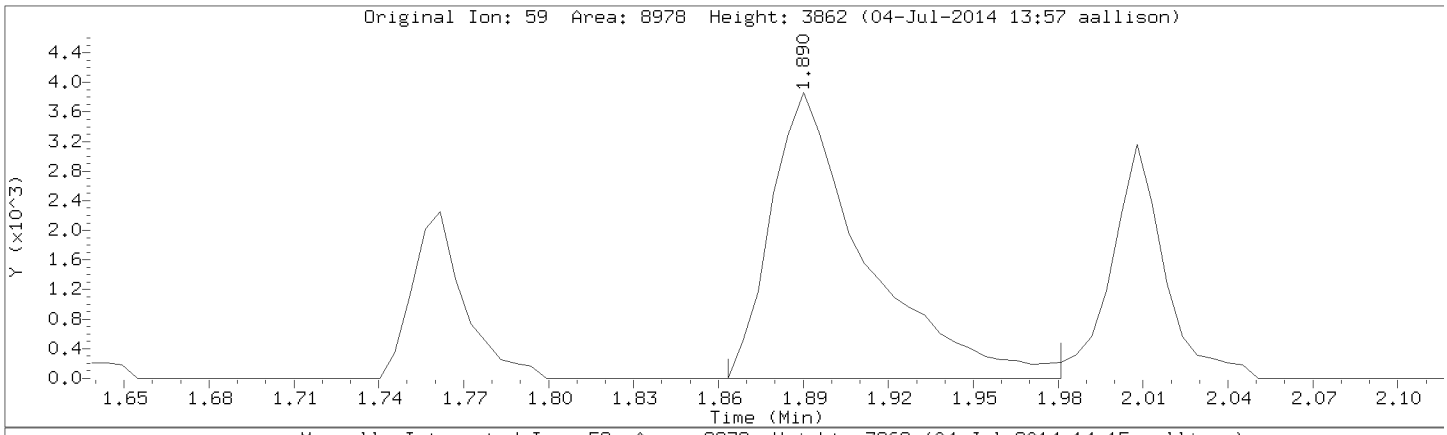
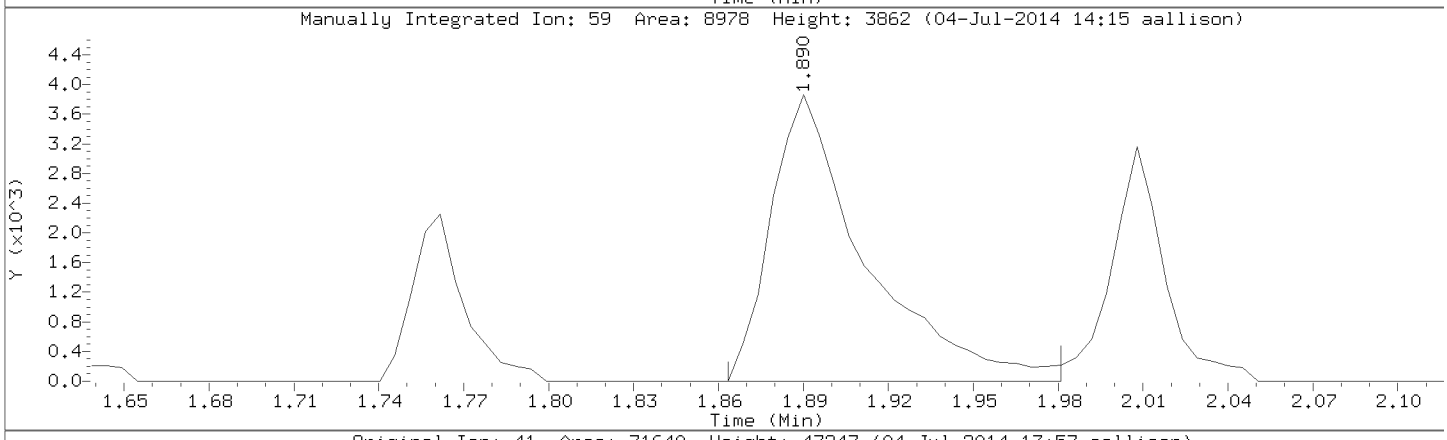
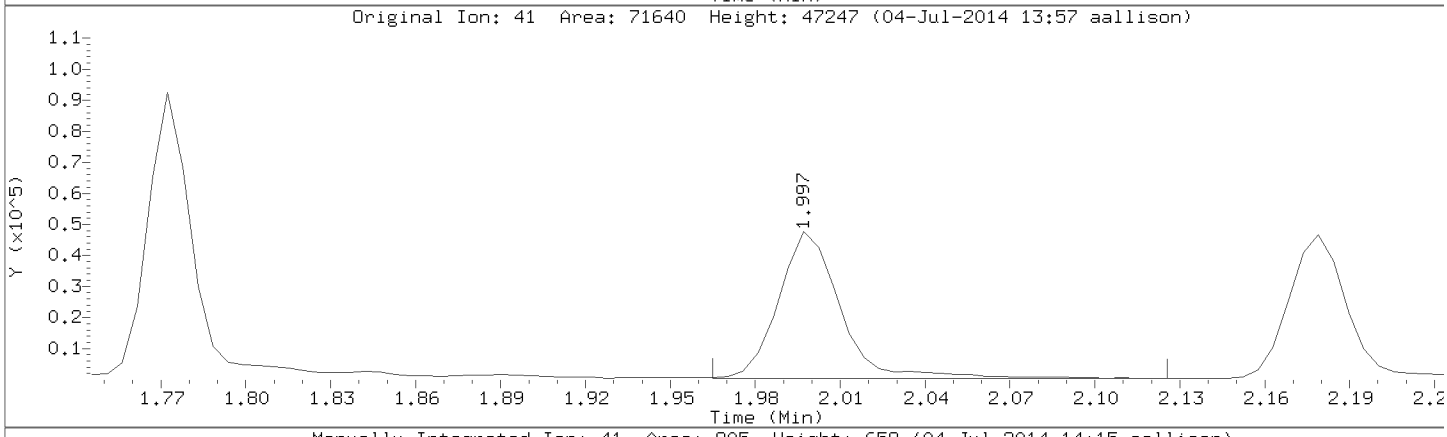
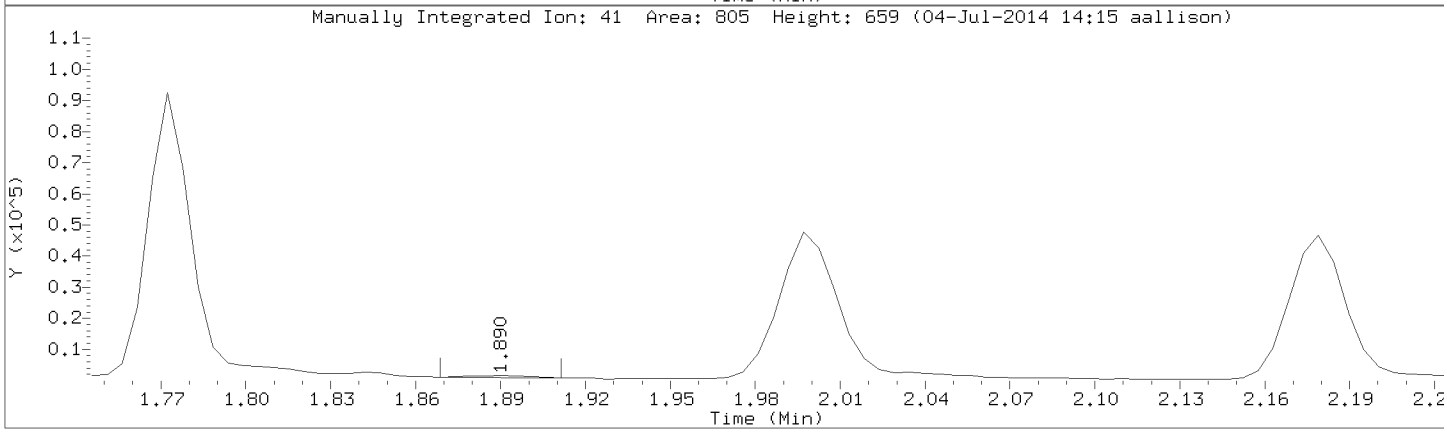
Injection Date: 03-JUL-2014 19:13
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL5

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









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a06.d
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Inj Date : 03-JUL-2014 19:40
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal6,71929:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	216242	50.0000	44.3
2 Chloromethane	50	1.001	1.001	(0.246)	127913	50.0000	42.9
3 Vinyl Chloride	62	1.050	1.050	(0.258)	169936	50.0000	45.6
4 Bromomethane	94	1.189	1.189	(0.292)	75861	50.0000	20.8
5 Chloroethane	64	1.232	1.231	(0.303)	58773	50.0000	34.8
6 Trichlorofluoromethane	101	1.339	1.338	(0.329)	249097	50.0000	43.0
8 Diethyl ether	74	1.462	1.461	(0.359)	80693	50.0000	53.6
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	199055	50.0000	50.7
9 Acrolein	56	1.531	1.531	(0.377)	251355	1000.00	886
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	185931	50.0000	53.7
11 1,1-Dichloroethene	96	1.585	1.585	(0.390)	164400	50.0000	52.0
12 Acetone	43	1.601	1.601	(0.394)	141142	250.000	296
13 Iodomethane	142	1.670	1.670	(0.411)	420591	100.000	113
14 Carbon Disulfide	76	1.713	1.713	(0.421)	867048	100.000	106
16 Methyl Acetate	43	1.756	1.756	(0.432)	71397	50.0000	49.3
143 Acetonitrile	39	1.772	1.772	(0.436)	211170	50.0000	51.0
15 allyl chloride	41	1.772	1.772	(0.436)	296353	100.000	108
17 Methylene Chloride	84	1.841	1.841	(0.453)	178150	50.0000	58.2
18 tert-Butyl Alcohol	59	1.890	1.889	(0.465)	23808	100.000	101(M)
19 Acrylonitrile	53	1.980	1.980	(0.487)	1292025	1000.00	954
20 Methyl-tert-butyl ether	73	1.997	1.996	(0.491)	864983	100.000	117
21 1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	235453	50.0000	52.9
22 n-Hexane	57	2.178	2.173	(0.536)	306063	50.0000	57.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	908676	200.000	194
	23 1,1-Dichloroethane	63	2.301	2.301	(0.566)	356687	50.0000	51.8
	147 chloroprene	53	2.350	2.350	(0.578)	266949	50.0000	54.7
	28 2-Butanone	43	2.745	2.745	(0.675)	343508	250.000	265
	26 1,2-Dichloroethene (cis)	96	2.756	2.756	(0.678)	250245	50.0000	52.6
	27 2,2-Dichloropropane	77	2.762	2.761	(0.679)	173669	50.0000	56.7
	149 Propionitrile	54	2.810	2.810	(0.691)	27504	50.0000	54.5
	144 Methacrylonitrile	41	2.943	2.943	(0.724)	76662	50.0000	51.3(M)
	30 Bromochloromethane	49	2.981	2.981	(0.733)	143250	50.0000	50.2
	31 Tetrahydrofuran	42	2.997	3.002	(0.737)	41239	50.0000	57.5
	32 Chloroform	83	3.083	3.082	(0.758)	356063	50.0000	50.7
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	144649	50.0000	46.6
	34 1,1,1-Trichloroethane	97	3.248	3.248	(0.799)	279578	50.0000	56.3
	35 Cyclohexane	56	3.323	3.323	(0.817)	319509	50.0000	57.1
	36 Carbon Tetrachloride	117	3.420	3.419	(0.841)	236004	50.0000	56.6
	37 1,1-Dichloropropene	75	3.430	3.430	(0.843)	291010	50.0000	59.4
	39 Benzene	78	3.666	3.660	(0.901)	763464	50.0000	54.8
	40 1,2-Dichloroethane	62	3.757	3.756	(0.924)	225804	50.0000	50.2
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	106369	50.0000	54.4
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	678728	50.0000	58.0
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	599974	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	219583	50.0000	57.4
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	241700	50.0000	59.8
	44 1,2-Dichloropropane	63	4.816	4.816	(1.184)	183030	50.0000	54.7
	45 Dibromomethane	93	4.912	4.912	(1.208)	125148	50.0000	54.1
	142 1,4-Dioxane	88	4.923	4.923	(1.210)	49465	1000.00	1070
	46 Methyl methacrylate	69	4.928	4.928	(1.212)	93635	50.0000	59.8
	47 Bromodichloromethane	83	5.131	5.131	(1.262)	235066	50.0000	54.0
	48 2-Chloroethyl vinyl ether	63	5.468	5.468	(0.767)	137171	100.000	104
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	267909	50.0000	51.5
	50 4-Methyl-2-Pentanone	43	5.773	5.773	(0.809)	548609	250.000	301
$	51 Toluene-d8	98	5.864	5.859	(0.822)	472404	50.0000	51.6
	52 Toluene	91	5.934	5.928	(0.832)	779766	50.0000	55.5
	53 trans-1,3-Dichloropropene	75	6.207	6.207	(0.870)	193973	50.0000	48.7
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	168031	50.0000	53.8
	55 1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	142532	50.0000	63.1
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	230071	50.0000	59.0
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	267357	50.0000	62.6
	58 2-Hexanone	43	6.603	6.603	(0.926)	392930	250.000	288
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	184266	50.0000	54.7
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	174670	50.0000	60.5
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	388459	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	523857	50.0000	54.8
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	150026	50.0000	60.2
	64 Ethylbenzene	106	7.229	7.228	(1.014)	268063	50.0000	54.5
	65 m&p-Xylene	106	7.325	7.325	(1.027)	675842	100.000	108
	67 o-Xylene	106	7.560	7.560	(1.060)	284602	50.0000	56.0
	68 Styrene	104	7.576	7.576	(1.062)	519395	50.0000	54.9
	69 Bromoform	173	7.683	7.683	(0.905)	88251	50.0000	51.6
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	683598	50.0000	54.6
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	148385	50.0000	47.8
	74 Bromobenzene	77	7.951	7.951	(1.115)	243066	50.0000	58.3
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	154993	50.0000	53.9
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	38308	50.0000	56.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	45202	50.0000	55.4
76	n-Propylbenzene	91	8.015	8.015	(0.945)	765137	50.0000	52.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	470266	50.0000	51.6
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	468849	50.0000	46.9
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	192653	50.0000	54.9
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	483632	50.0000	50.1
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	481191	50.0000	47.5
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	581700	50.0000	46.5
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	330499	50.0000	51.8
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	497337	50.0000	46.0
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	171748	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	351243	50.0000	52.0
87	n-Butylbenzene	91	8.657	8.662	(1.020)	456534	50.0000	48.8
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	255770	50.0000	52.0
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	14837	50.0000	49.6
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	143388	50.0000	60.5
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	56138	50.0000	43.1
92	Naphthalene	128	9.497	9.502	(1.119)	327198	50.0000	57.5
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	108492	50.0000	57.4
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	138422	50.0000	56.0
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	98534	50.0000	62.0

QC Flag Legend

M - Compound response manually integrated.

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Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
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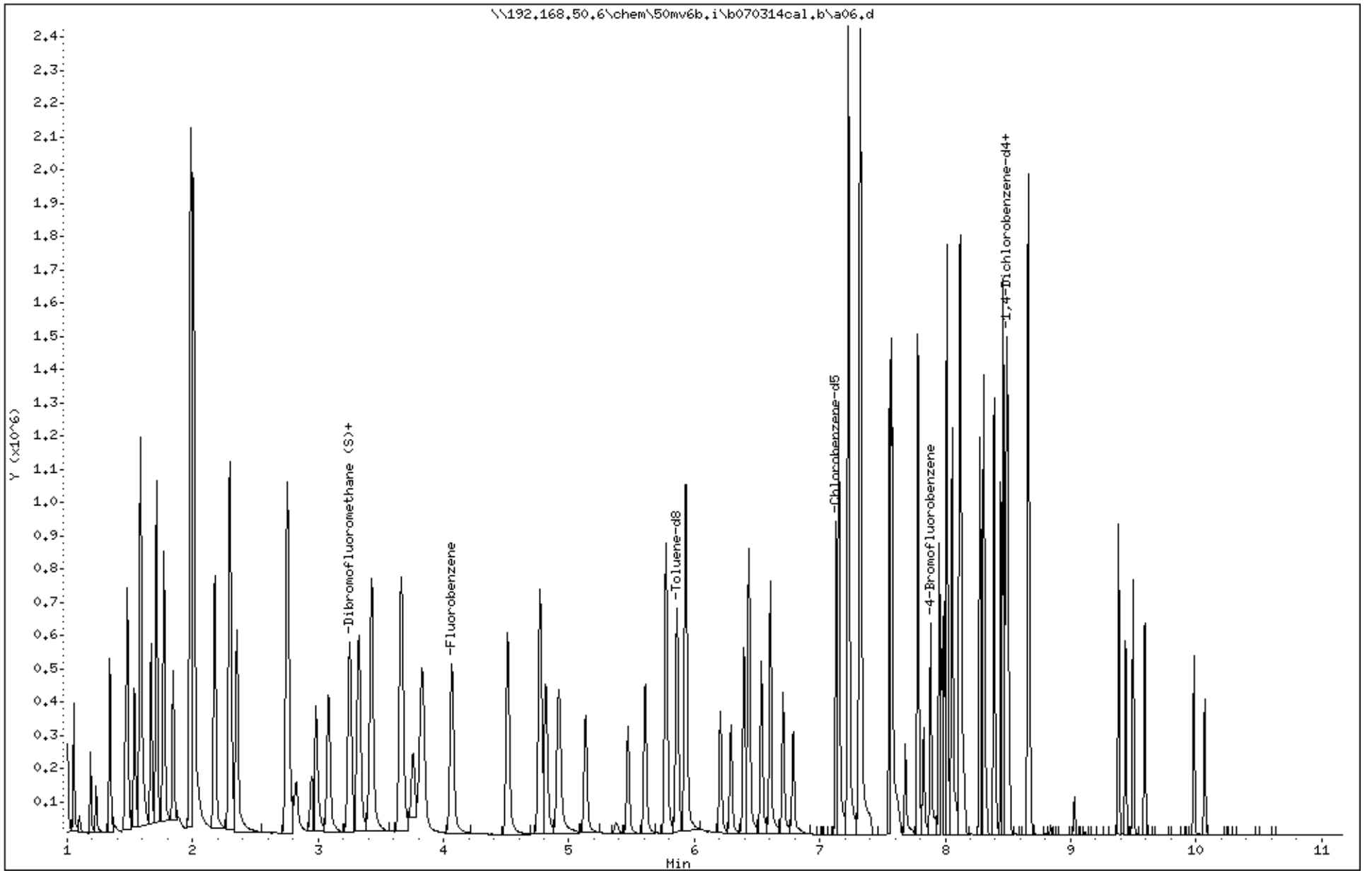

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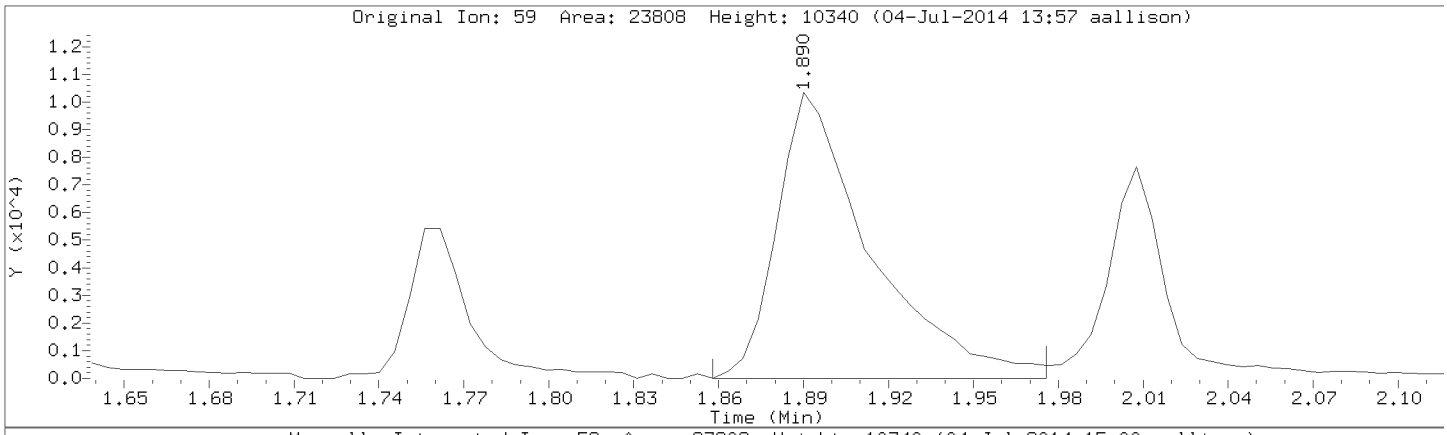
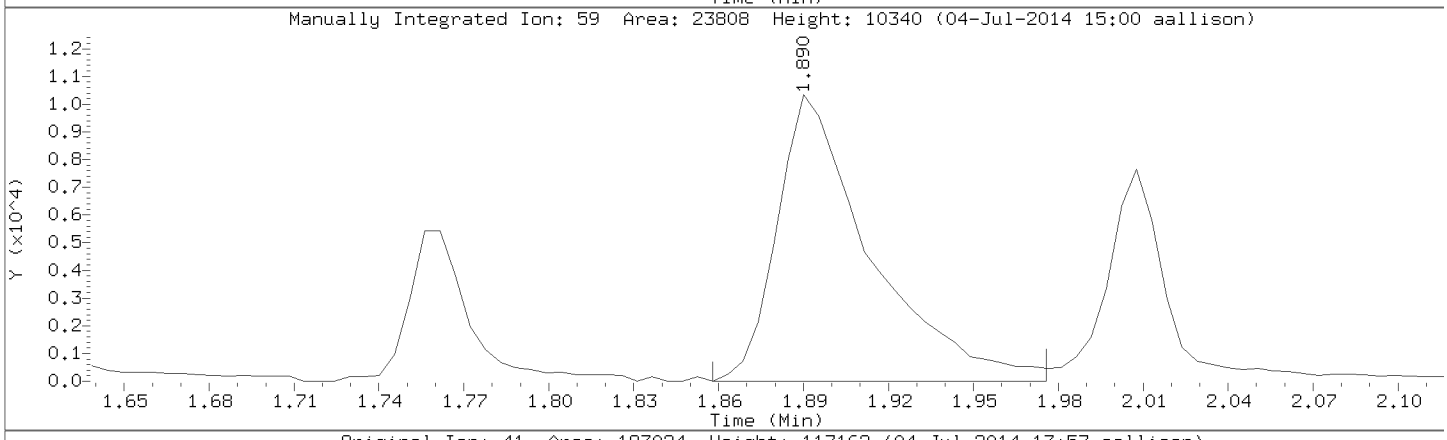
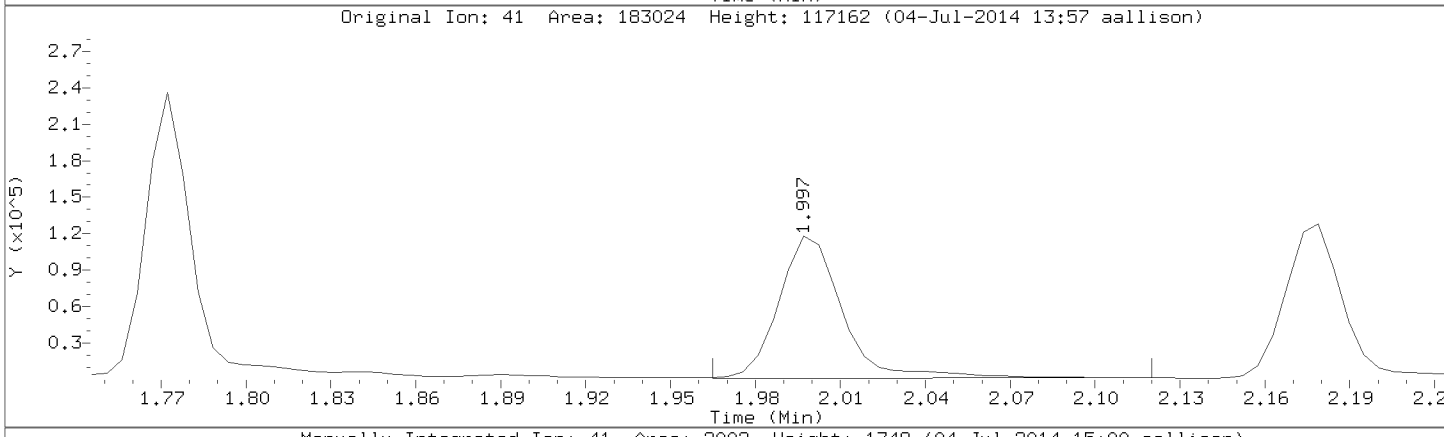
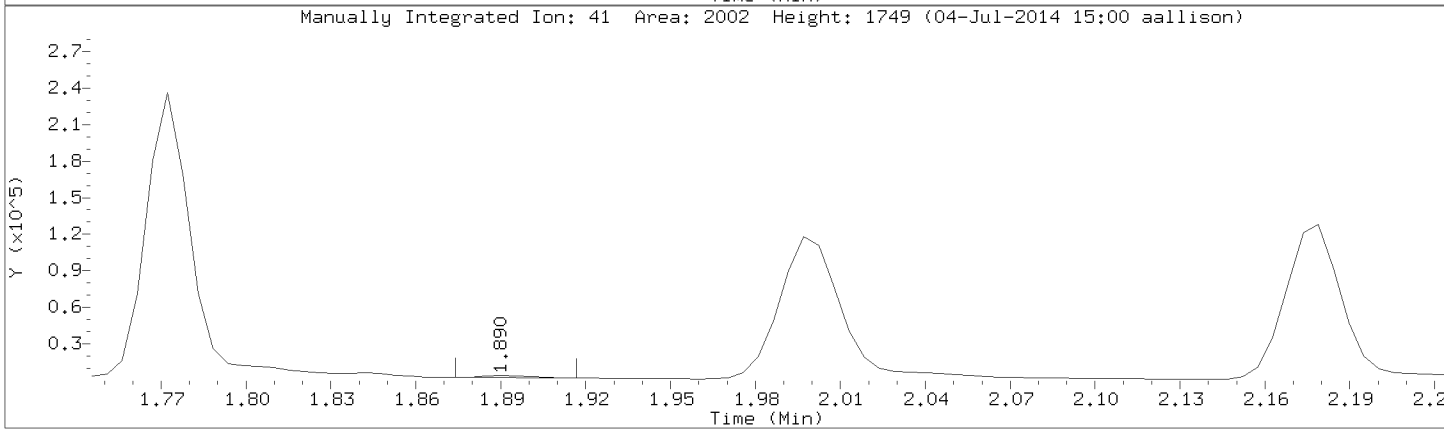
Injection Date: 03-JUL-2014 19:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6

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









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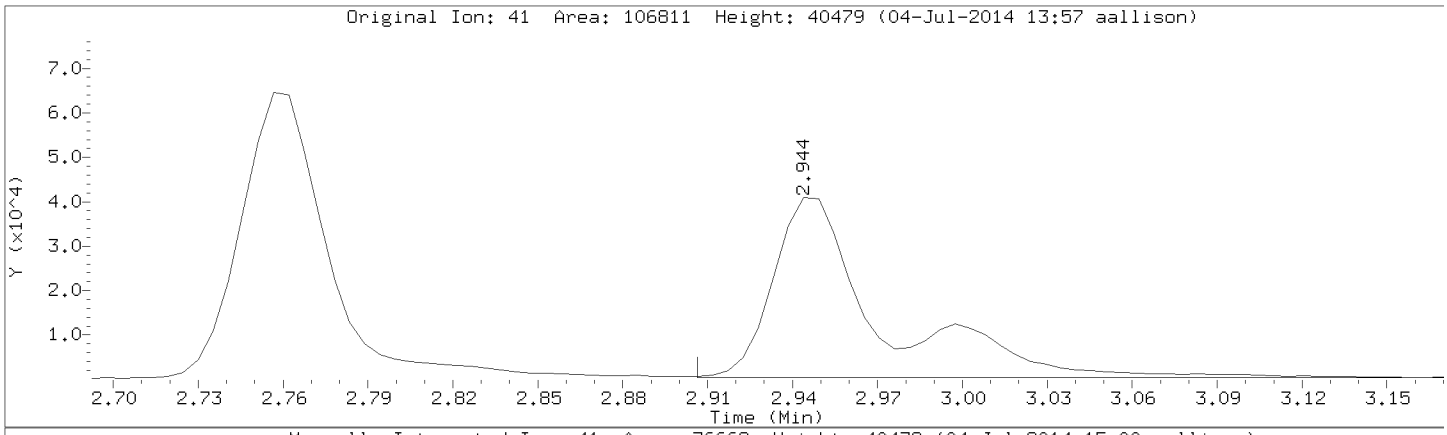
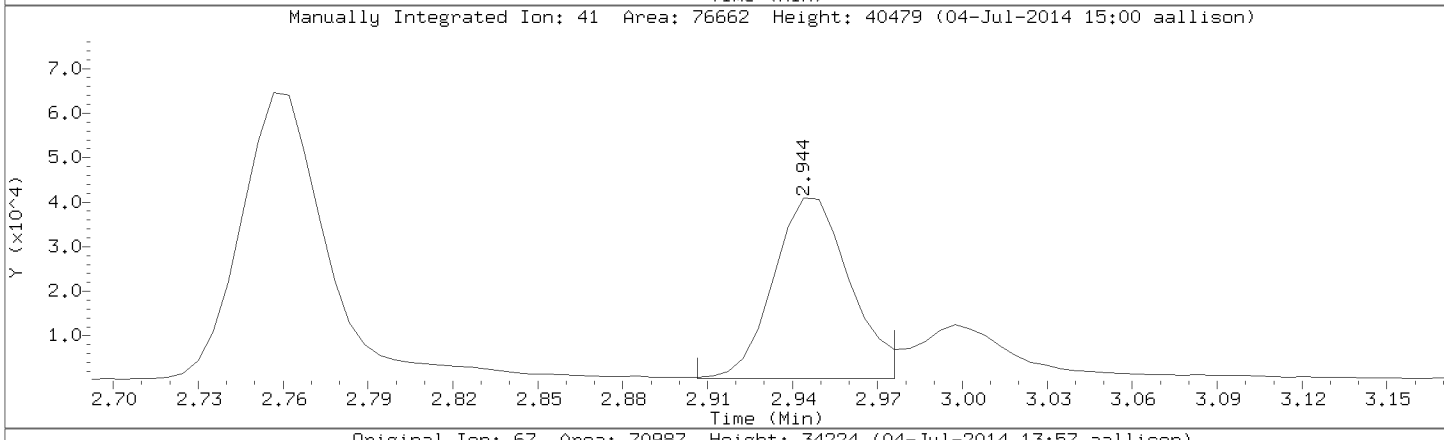
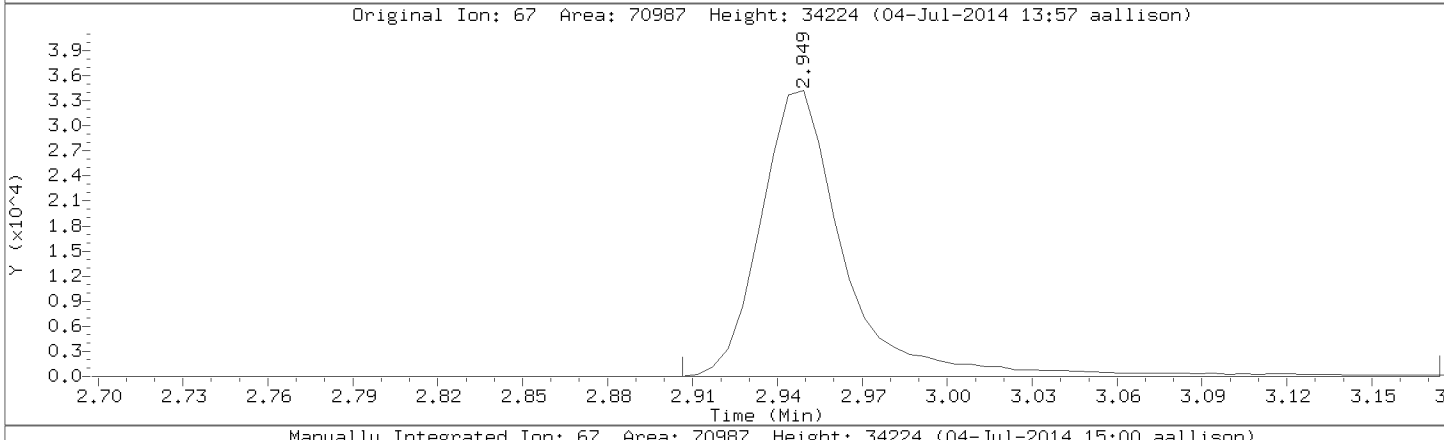
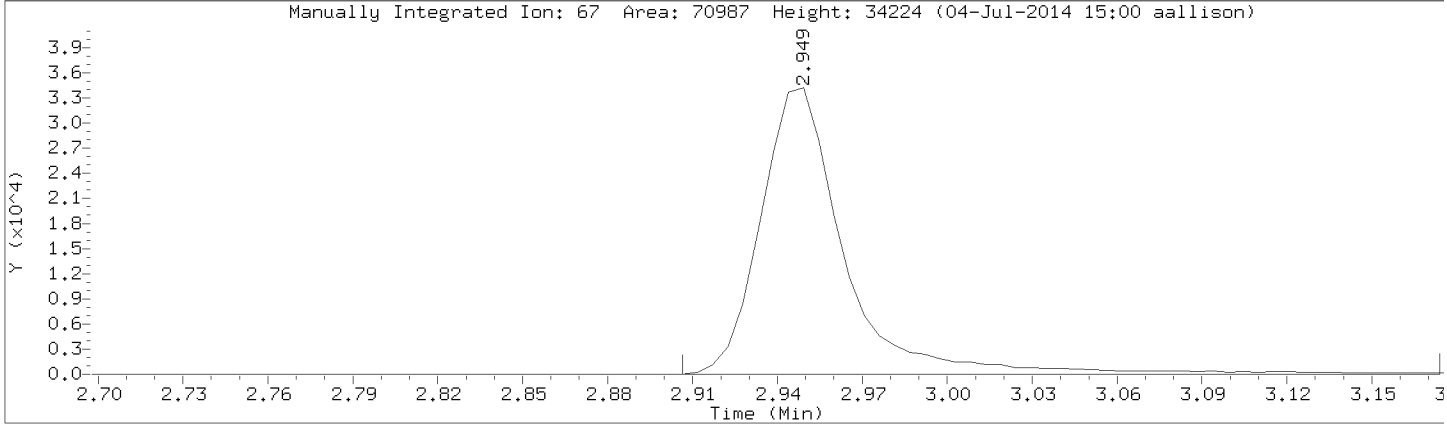
Injection Date: 03-JUL-2014 19:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6

Compound: Methacrylonitrile
CAS Number: 126-98-7









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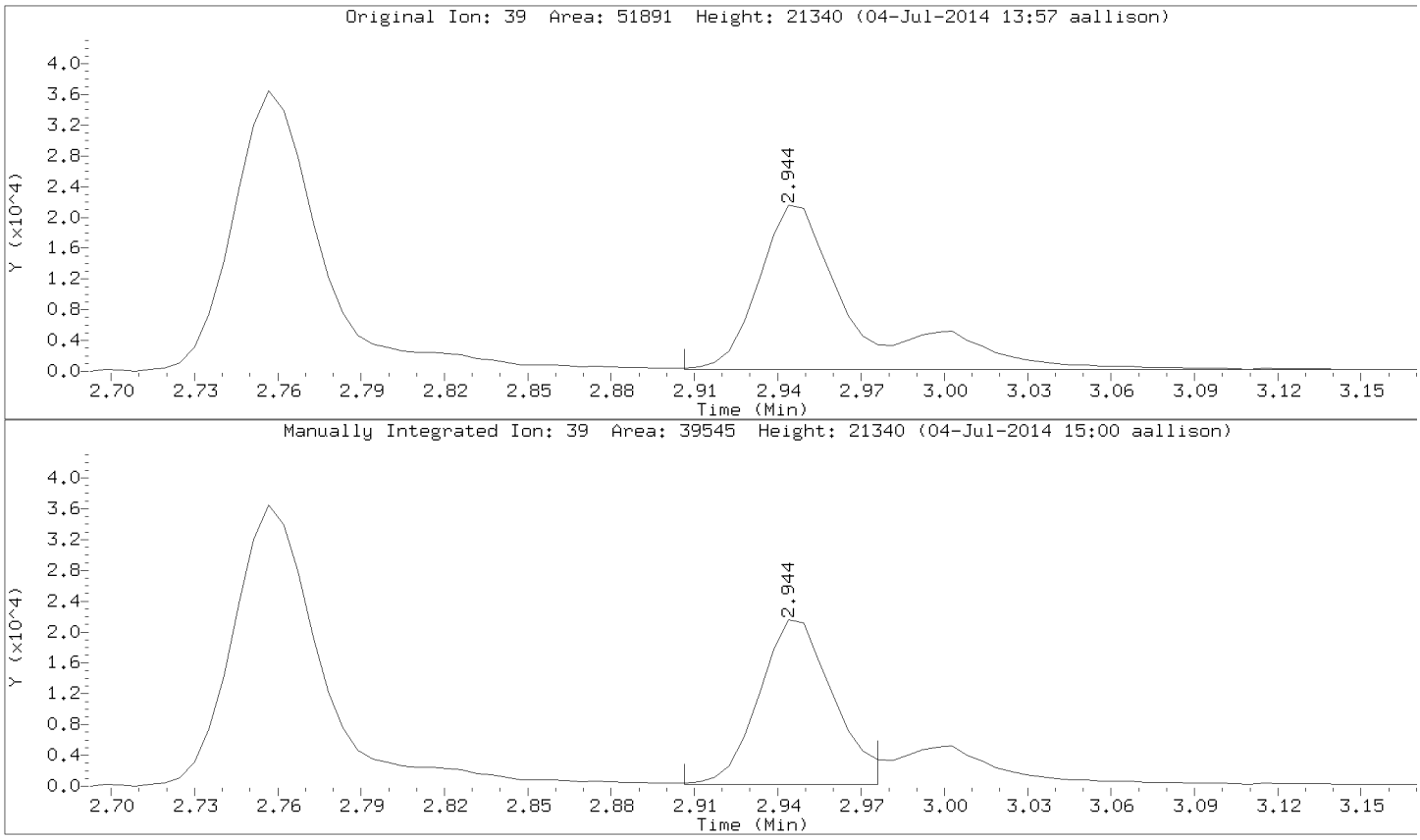
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL6



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Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a07.d
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Inj Date : 03-JUL-2014 20:07
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal7,71930:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	747308	150.000	154
2 Chloromethane	50	1.002	1.001	(0.246)	441162	150.000	151
3 Vinyl Chloride	62	1.050	1.050	(0.258)	584656	150.000	159
4 Bromomethane	94	1.183	1.189	(0.291)	123429	150.000	34.0
5 Chloroethane	64	1.226	1.231	(0.302)	121272	150.000	72.4
6 Trichlorofluoromethane	101	1.333	1.338	(0.328)	679270	150.000	114
8 Diethyl ether	74	1.462	1.461	(0.359)	172498	150.000	111
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	424131	150.000	104
9 Acrolein	56	1.531	1.531	(0.377)	773513	3000.00	2590
10 1,1,2trichlorotrifluoroethane	101	1.574	1.579	(0.387)	410741	150.000	111
11 1,1-Dichloroethene	96	1.579	1.585	(0.388)	361834	150.000	105
12 Acetone	43	1.601	1.601	(0.394)	320669	750.000	480
13 Iodomethane	142	1.665	1.670	(0.409)	1161347	300.000	416
14 Carbon Disulfide	76	1.708	1.713	(0.420)	1981659	300.000	231
16 Methyl Acetate	43	1.756	1.756	(0.432)	165181	150.000	105
143 Acetonitrile	39	1.767	1.772	(0.434)	495628	150.000	111
15 allyl chloride	41	1.767	1.772	(0.434)	666681	300.000	228
17 Methylene Chloride	84	1.841	1.841	(0.453)	387134	150.000	52.8
18 tert-Butyl Alcohol	59	1.895	1.889	(0.466)	57141	300.000	232(M)
19 Acrylonitrile	53	1.981	1.980	(0.487)	2862801	3000.00	1990
20 Methyl-tert-butyl ether	73	1.997	1.996	(0.491)	2123025	300.000	285
21 1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	547686	150.000	117
22 n-Hexane	57	2.173	2.173	(0.534)	740040	150.000	136

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	3121158	600.000	828
	23 1,1-Dichloroethane	63	2.302	2.301	(0.566)	797859	150.000	109
	147 chloroprene	53	2.350	2.350	(0.578)	611766	150.000	120
	28 2-Butanone	43	2.751	2.745	(0.676)	804924	750.000	591
	26 1,2-Dichloroethene (cis)	96	2.756	2.756	(0.678)	598826	150.000	122
	27 2,2-Dichloropropane	77	2.762	2.761	(0.679)	481913	150.000	170
	149 Propionitrile	54	2.815	2.810	(0.692)	65730	150.000	127(Q)
	144 Methacrylonitrile	41	2.949	2.943	(0.725)	188223	150.000	121(M)
	30 Bromochloromethane	49	2.981	2.981	(0.733)	321862	150.000	105
	31 Tetrahydrofuran	42	3.002	3.002	(0.738)	92311	150.000	84.4
	32 Chloroform	83	3.083	3.082	(0.758)	839288	150.000	114
$	33 Dibromofluoromethane (S)	113	3.259	3.254	(0.801)	141608	50.0000	44.6
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.800)	685200	150.000	138
	35 Cyclohexane	56	3.323	3.323	(0.817)	746151	150.000	131
	36 Carbon Tetrachloride	117	3.425	3.419	(0.842)	591927	150.000	144
	37 1,1-Dichloropropene	75	3.430	3.430	(0.843)	693814	150.000	142
	39 Benzene	78	3.666	3.660	(0.901)	1814826	150.000	127
	40 1,2-Dichloroethane	62	3.757	3.756	(0.924)	534166	150.000	112
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	258538	150.000	129
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	1657923	150.000	143
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	595732	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	533614	150.000	140
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	587153	150.000	147
	44 1,2-Dichloropropane	63	4.821	4.816	(1.185)	435955	150.000	127
	45 Dibromomethane	93	4.912	4.912	(1.208)	307663	150.000	131
	142 1,4-Dioxane	88	4.934	4.923	(1.213)	119737	3000.00	2530
	46 Methyl methacrylate	69	4.928	4.928	(1.212)	241114	150.000	162
	47 Bromodichloromethane	83	5.132	5.131	(1.262)	567397	150.000	128
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	385401	300.000	495
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	712237	150.000	215
	50 4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	1263466	750.000	754
$	51 Toluene-d8	98	5.864	5.859	(0.822)	454819	50.0000	54.7
	52 Toluene	91	5.934	5.928	(0.832)	1818853	150.000	138
	53 trans-1,3-Dichloropropene	75	6.212	6.207	(0.871)	555458	150.000	265
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	412960	150.000	179
	55 1,1,2-Trichloroethane	83	6.399	6.394	(0.897)	331498	150.000	163
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	533116	150.000	148
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	625680	150.000	163
	58 2-Hexanone	43	6.603	6.603	(0.926)	869618	750.000	673
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	438185	150.000	188
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	418850	150.000	162
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	359981	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	1172952	150.000	129
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.013)	351484	150.000	152
	64 Ethylbenzene	106	7.234	7.228	(1.014)	597761	150.000	127
	65 m&p-Xylene	106	7.325	7.325	(1.027)	1468169	300.000	242
	67 o-Xylene	106	7.560	7.560	(1.060)	625827	150.000	116
	68 Styrene	104	7.576	7.576	(1.062)	1112673	150.000	122
	69 Bromoform	173	7.683	7.683	(0.905)	200406	150.000	196
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	1534046	150.000	114
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	129266	50.0000	43.4
	74 Bromobenzene	77	7.951	7.951	(1.115)	514777	150.000	102
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	326029	150.000	132
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	88188	150.000	138

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	97811	150.000	142	
76	n-Propylbenzene	91	8.015	8.015	(0.945)	1700132	150.000	135	
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	985395	150.000	123	
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	1139016	150.000	134	
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	402884	150.000	133	
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	1209564	150.000	132	
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	1159537	150.000	135	
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	1431940	150.000	123	
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	699923	150.000	125	
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	1267922	150.000	128	
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	146351	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	722760	150.000	120	
87	n-Butylbenzene	91	8.657	8.662	(1.020)	1122240	150.000	126	
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	567191	150.000	108	
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	34858	150.000	124	
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	287630	150.000	93.4	
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	161448	150.000	108	
92	Naphthalene	128	9.497	9.502	(1.119)	692589	150.000	93.3	
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	222503	150.000	81.0	
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	276495	150.000	82.5	
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	193317	150.000	73.2	

QC Flag Legend

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

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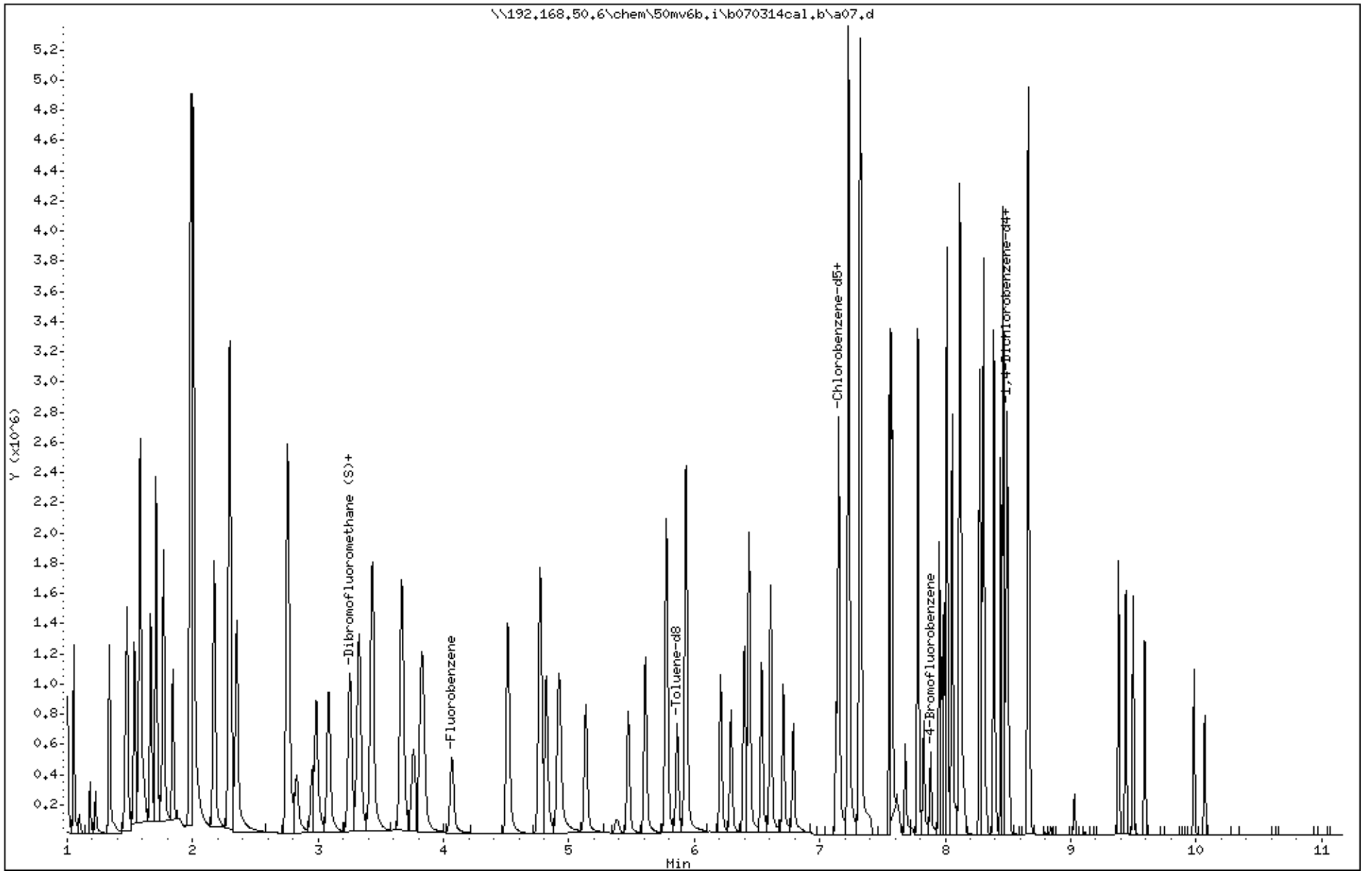
Instrument: 50mv6b.i
Sample Info: 8260-CAL7,71930:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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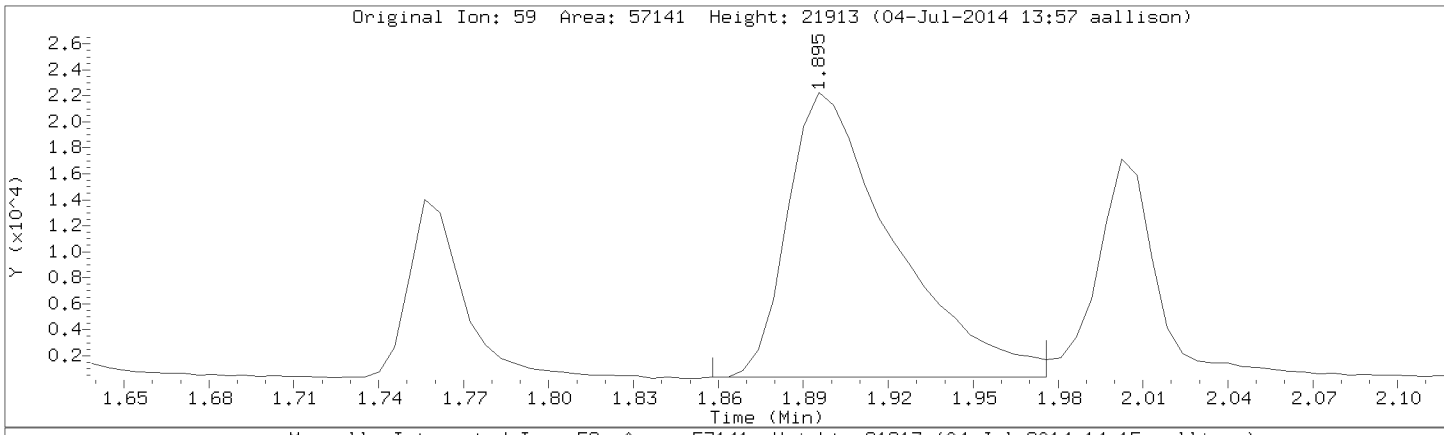
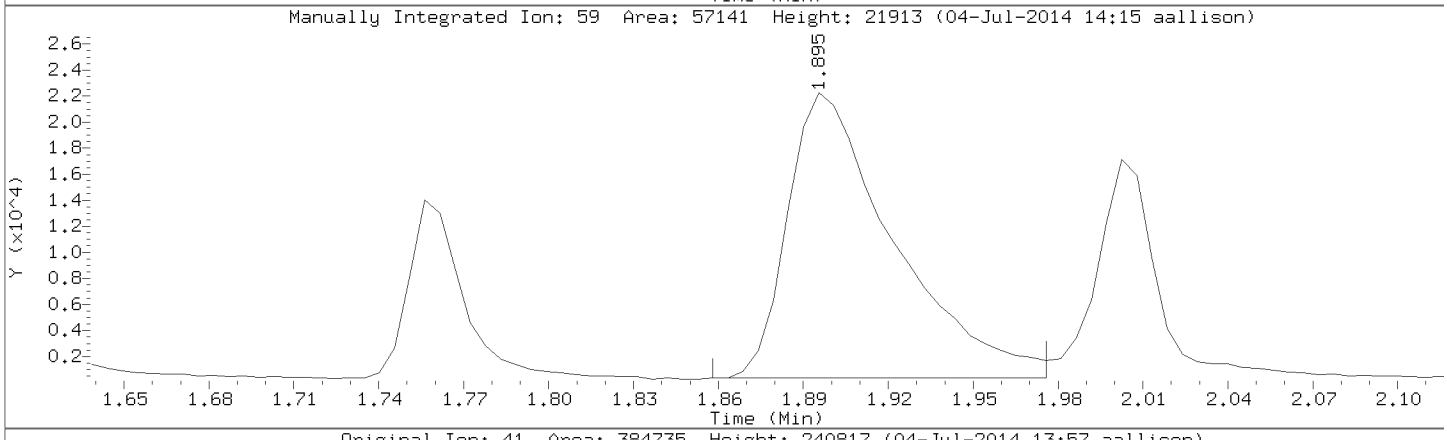
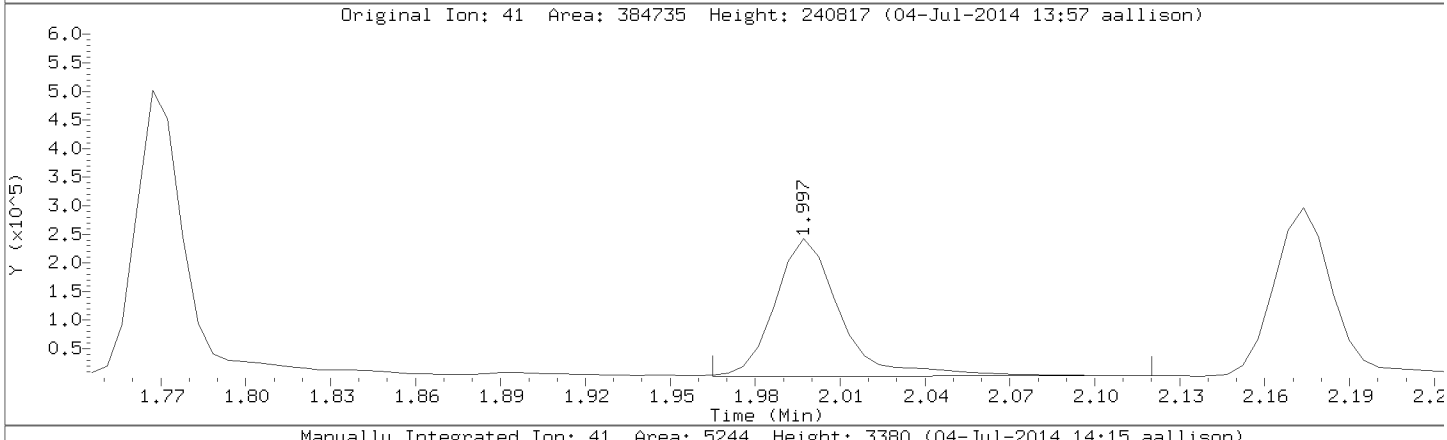
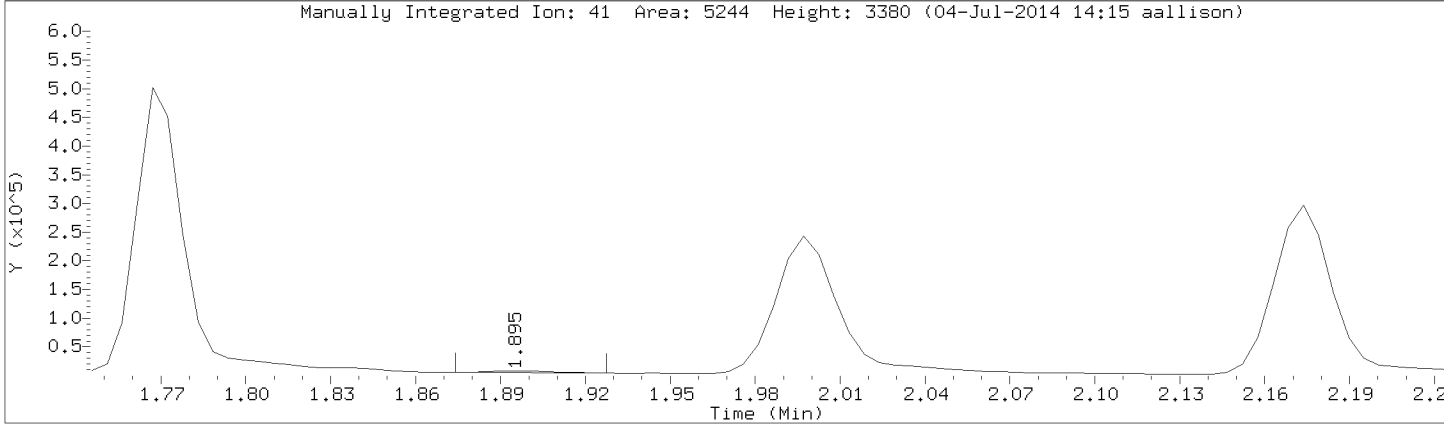
Injection Date: 03-JUL-2014 20:07
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL7

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









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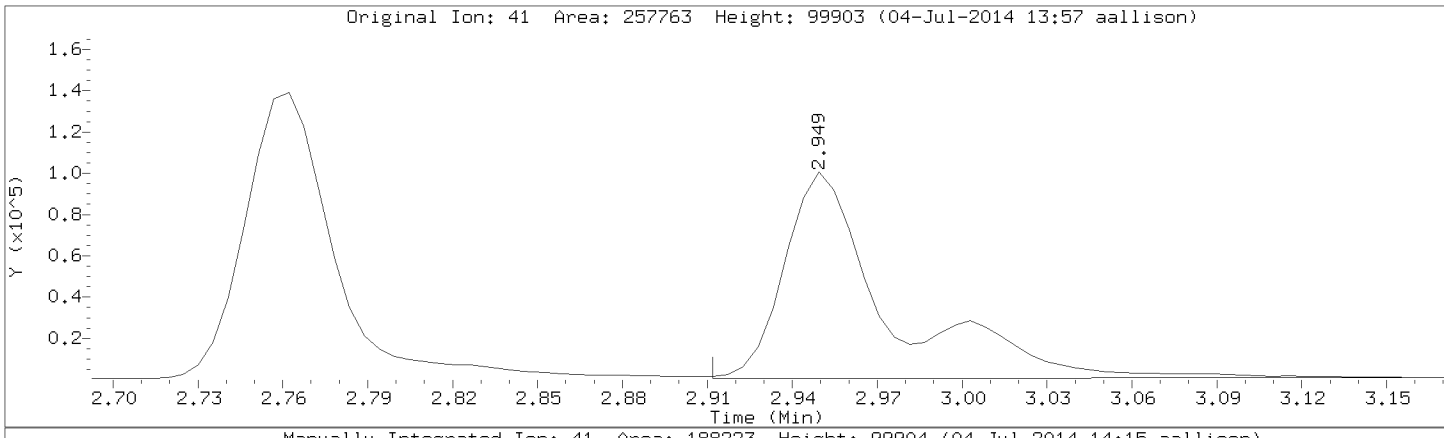
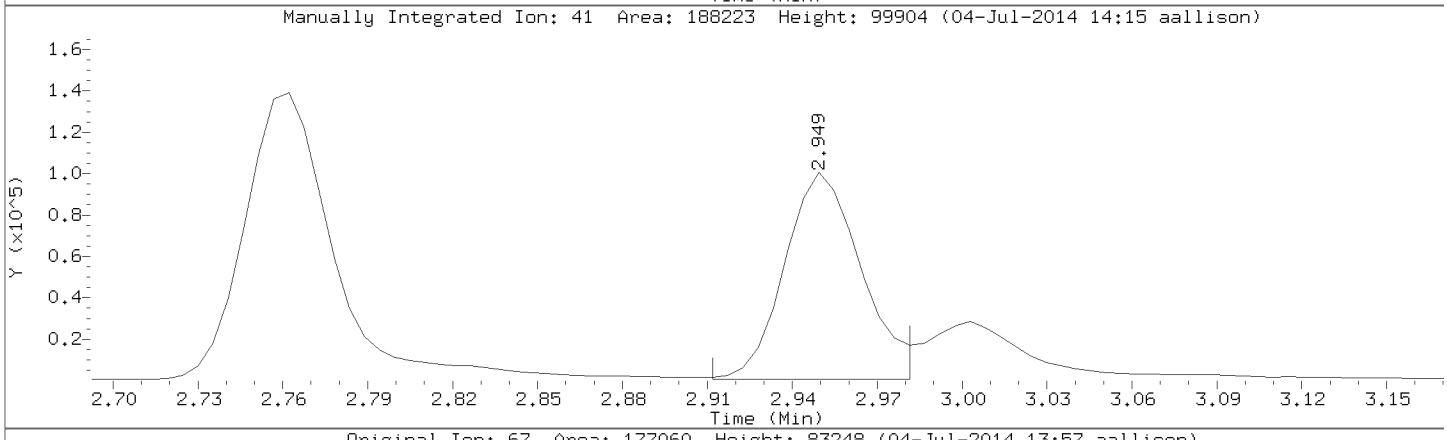
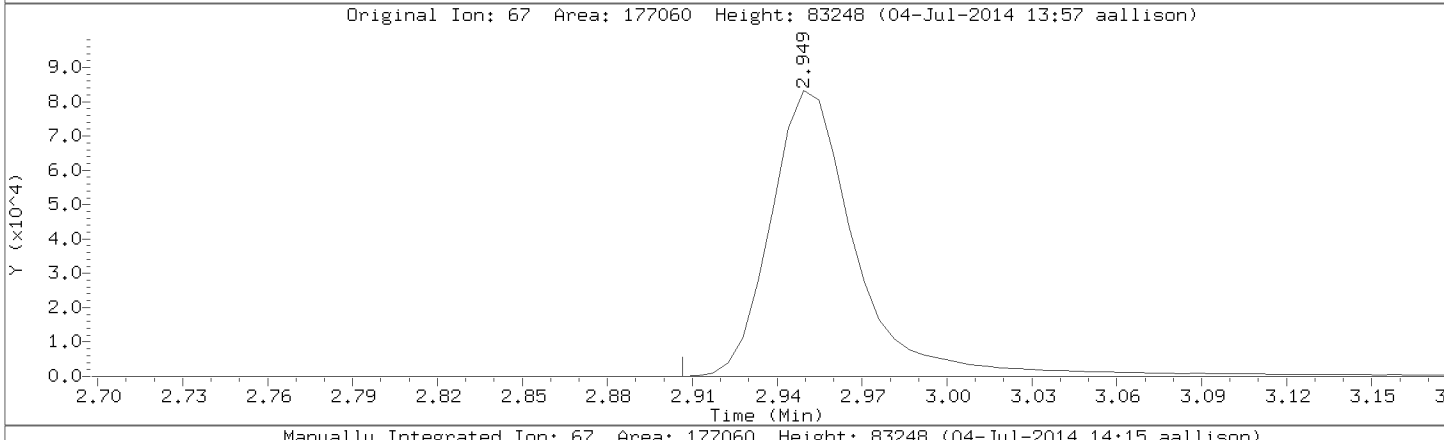
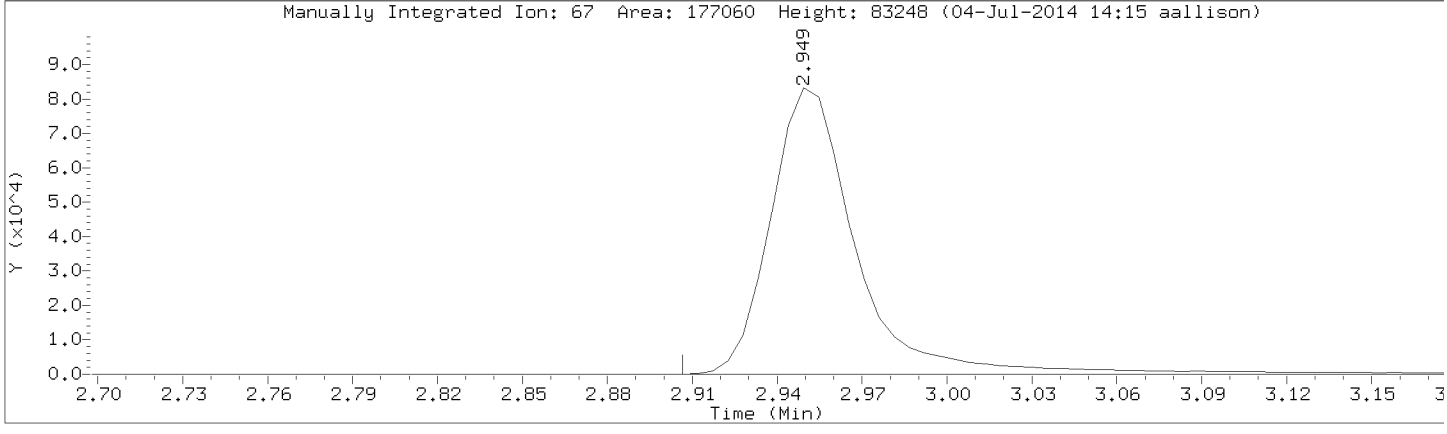
Injection Date: 03-JUL-2014 20:07
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL7

Compound: Methacrylonitrile
CAS Number: 126-98-7









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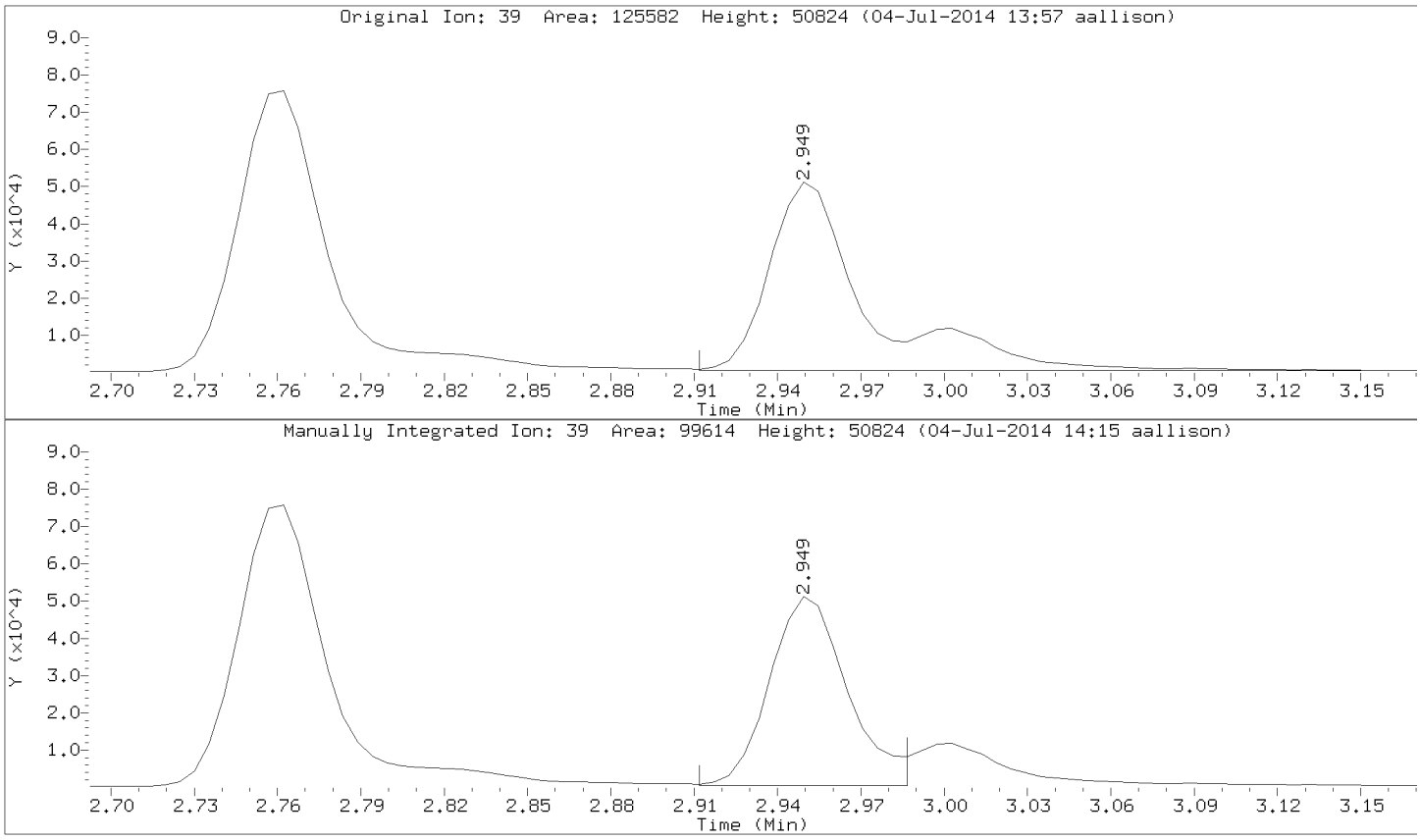
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL7



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Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a08.d
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Inj Date : 03-JUL-2014 20:34
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-cal8,71931:0
Misc Info : 66491
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.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/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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	1342929	300.000	284
2	Chloromethane	50	1.001	1.001	(0.246)	935602	300.000	330
3	Vinyl Chloride	62	1.050	1.050	(0.258)	1059611	300.000	294
4	Bromomethane	94	1.178	1.189	(0.290)	118339	300.000	33.7
5	Chloroethane	64	1.221	1.231	(0.300)	111368	300.000	68.6
6	Trichlorofluoromethane	101	1.328	1.338	(0.327)	608274	300.000	109
8	Diethyl ether	74	1.456	1.461	(0.358)	284113	300.000	196
7	1,2-dichlorotrifluoroethane	67	1.472	1.478	(0.362)	717300	300.000	190
9	Acrolein	56	1.531	1.531	(0.377)	1199484	6000.00	4230
10	1,1,2trichlorotrifluoroethane	101	1.568	1.579	(0.386)	754451	300.000	219
11	1,1-Dichloroethene	96	1.574	1.585	(0.387)	686185	300.000	216
12	Acetone	43	1.601	1.601	(0.394)	647042	1500.00	1060
13	Iodomethane	142	1.659	1.670	(0.408)	2108139	600.000	732
14	Carbon Disulfide	76	1.702	1.713	(0.419)	3819652	600.000	475
16	Methyl Acetate	43	1.756	1.756	(0.432)	321796	300.000	223
143	Acetonitrile	39	1.761	1.772	(0.433)	904953	300.000	218
15	allyl chloride	41	1.761	1.772	(0.433)	1199825	600.000	438
17	Methylene Chloride	84	1.836	1.841	(0.452)	763168	300.000	120
18	tert-Butyl Alcohol	59	1.906	1.889	(0.469)	126025	600.000	548(M)
19	Acrylonitrile	53	1.980	1.980	(0.487)	4995450	6000.00	3800
20	Methyl-tert-butyl ether	73	1.996	1.996	(0.491)	4148856	600.000	579
21	1,2-Dichloroethene (trans)	96	2.002	2.007	(0.492)	1018635	300.000	231
22	n-Hexane	57	2.168	2.173	(0.533)	1517432	300.000	293

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	5159497	1200.00	1330
	23 1,1-Dichloroethane	63	2.296	2.301	(0.565)	1581680	300.000	232
	147 chloroprene	53	2.344	2.350	(0.576)	1245841	300.000	260
	28 2-Butanone	43	2.756	2.745	(0.678)	1647260	1500.00	1290
	26 1,2-Dichloroethene (cis)	96	2.751	2.756	(0.676)	1260377	300.000	272
	27 2,2-Dichloropropane	77	2.756	2.761	(0.678)	1144990	300.000	408
	149 Propionitrile	54	2.820	2.810	(0.694)	139141	300.000	285
	144 Methacrylonitrile	41	2.949	2.943	(0.725)	404066	300.000	278(M)
	30 Bromochloromethane	49	2.981	2.981	(0.733)	631291	300.000	223
	31 Tetrahydrofuran	42	3.008	3.002	(0.740)	199690	300.000	203
	32 Chloroform	83	3.082	3.082	(0.758)	1768702	300.000	257
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	136309	50.0000	45.0
	34 1,1,1-Trichloroethane	97	3.248	3.248	(0.799)	1490078	300.000	314
	35 Cyclohexane	56	3.318	3.323	(0.816)	1533325	300.000	283
	36 Carbon Tetrachloride	117	3.419	3.419	(0.841)	1305385	300.000	330
	37 1,1-Dichloropropene	75	3.430	3.430	(0.843)	1451014	300.000	309
	39 Benzene	78	3.666	3.660	(0.901)	3801149	300.000	282
	40 1,2-Dichloroethane	62	3.757	3.756	(0.924)	1134499	300.000	257
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	536050	300.000	283
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	3514582	300.000	314
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	577284	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	1136718	300.000	310
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	1220321	300.000	316
	44 1,2-Dichloropropane	63	4.821	4.816	(1.185)	923782	300.000	285
	45 Dibromomethane	93	4.917	4.912	(1.209)	661468	300.000	297
	142 1,4-Dioxane	88	4.949	4.923	(1.217)	259501	6000.00	5810
	46 Methyl methacrylate	69	4.933	4.928	(1.213)	537683	300.000	368
	47 Bromodichloromethane	83	5.131	5.131	(1.262)	1243003	300.000	296
	48 2-Chloroethyl vinyl ether	63	5.474	5.468	(0.767)	871012	600.000	1010
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	1584324	300.000	449
	50 4-Methyl-2-Pentanone	43	5.784	5.773	(0.810)	2628290	1500.00	1570
$	51 Toluene-d8	98	5.864	5.859	(0.822)	441111	50.0000	52.6
	52 Toluene	91	5.934	5.928	(0.831)	3822273	300.000	294
	53 trans-1,3-Dichloropropene	75	6.212	6.207	(0.870)	1284485	300.000	545
	54 Ethyl Methacrylate	69	6.298	6.292	(0.882)	922320	300.000	389
	55 1,1,2-Trichloroethane	83	6.399	6.394	(0.897)	701987	300.000	343
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	1139887	300.000	319
	57 1,3-Dichloropropane	76	6.538	6.533	(0.916)	1329674	300.000	344
	58 2-Hexanone	43	6.608	6.603	(0.926)	1816300	1500.00	1430
	59 Dibromochloromethane	129	6.715	6.710	(0.941)	983749	300.000	409
	60 1,2-Dibromoethane	107	6.790	6.790	(0.951)	905579	300.000	348
*	61 Chlorobenzene-d5	117	7.138	7.132	(1.000)	358401	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.002)	2551434	300.000	288
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.228	(1.013)	800969	300.000	347
	64 Ethylbenzene	106	7.234	7.228	(1.013)	1273630	300.000	278
	65 m&p-Xylene	106	7.325	7.325	(1.026)	3034532	600.000	516
	67 o-Xylene	106	7.560	7.560	(1.059)	1408116	300.000	270
	68 Styrene	104	7.576	7.576	(1.061)	2396078	300.000	271
	69 Bromoform	173	7.683	7.683	(0.905)	478359	300.000	472
	70 Isopropylbenzene	105	7.785	7.779	(1.091)	3487156	300.000	270
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.104)	127018	50.0000	43.6
	74 Bromobenzene	77	7.951	7.951	(1.114)	1124305	300.000	235
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	738234	300.000	324
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.119)	182813	300.000	291(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	
75	1,2,3-Trichloropropane	110	7.999	7.993	(0.943)	223904	300.000	349	
76	n-Propylbenzene	91	8.015	8.015	(0.945)	3879973	300.000	333	
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	2128572	300.000	289	
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	2635952	300.000	334	
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	862936	300.000	307	
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	2992081	300.000	353	
81	1,2,4-Trimethylbenzene	105	8.309	8.304	(0.979)	2647466	300.000	332	
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	3337617	300.000	314	
83	1,3-Dichlorobenzene	146	8.448	8.443	(0.996)	1485910	300.000	289	
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	2854158	300.000	313	
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	137926	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	1491280	300.000	272	
87	n-Butylbenzene	91	8.657	8.662	(1.020)	2305048	300.000	283	
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	1189083	300.000	252	
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	77007	300.000	300	
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	507678	300.000	187	
91	Hexachlorobutadiene	225	9.438	9.443	(1.112)	315217	300.000	234	
92	Naphthalene	128	9.497	9.502	(1.119)	1264381	300.000	191	
93	1,2,3-Trichlorobenzene	180	9.588	9.593	(1.130)	404102	300.000	169	
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	474108	300.000	162	
148	1-Methylnaphthalene	141	10.064	10.069	(1.186)	323468	300.000	142	

QC Flag Legend

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

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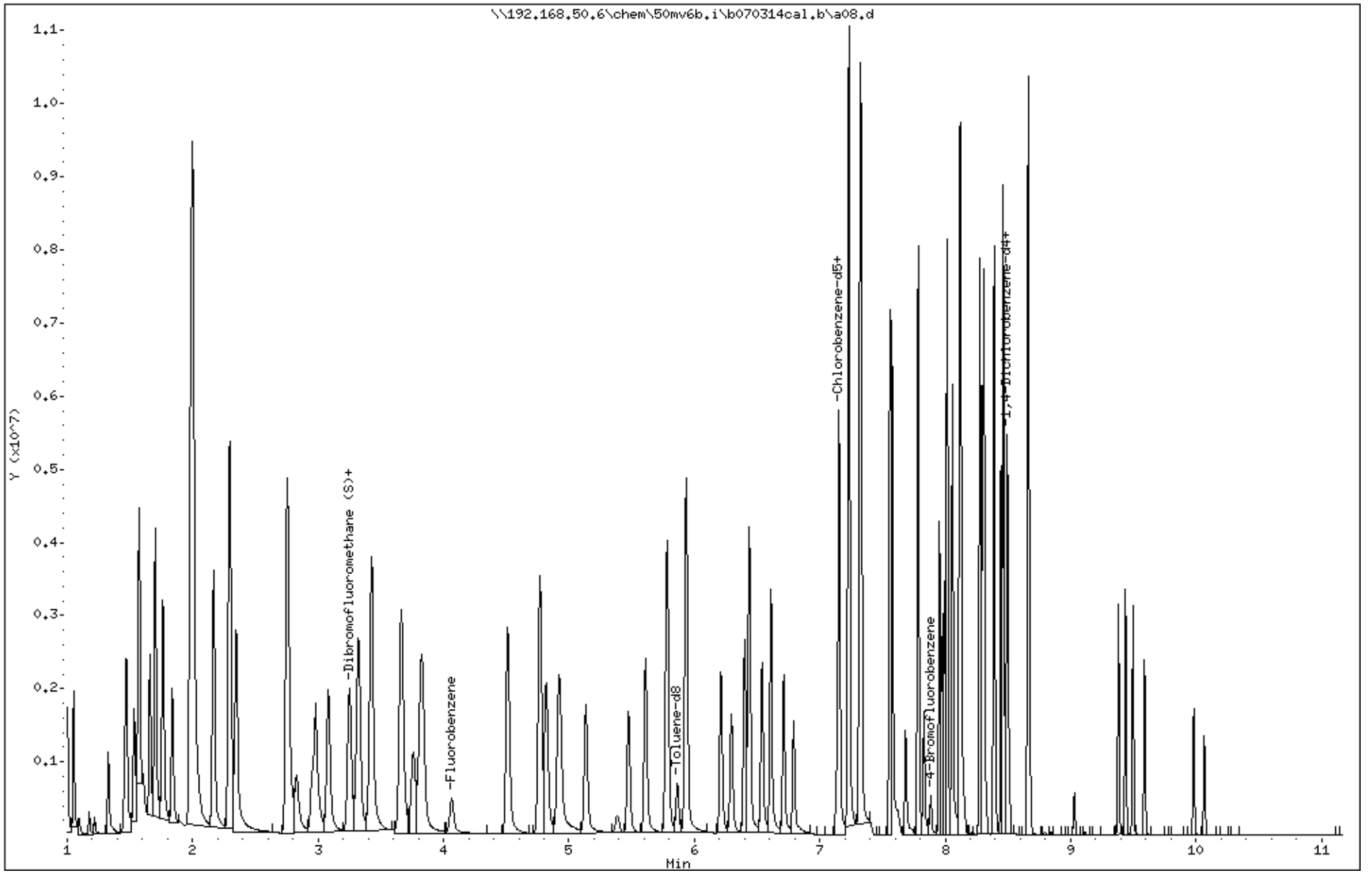
Sample Info: 8260-CAL8,71931:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18



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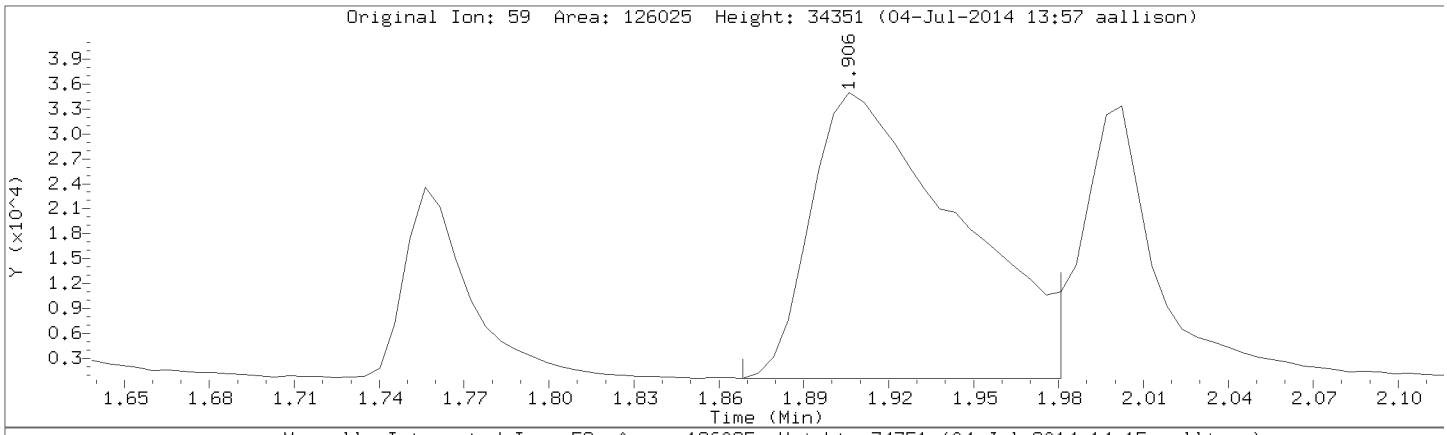
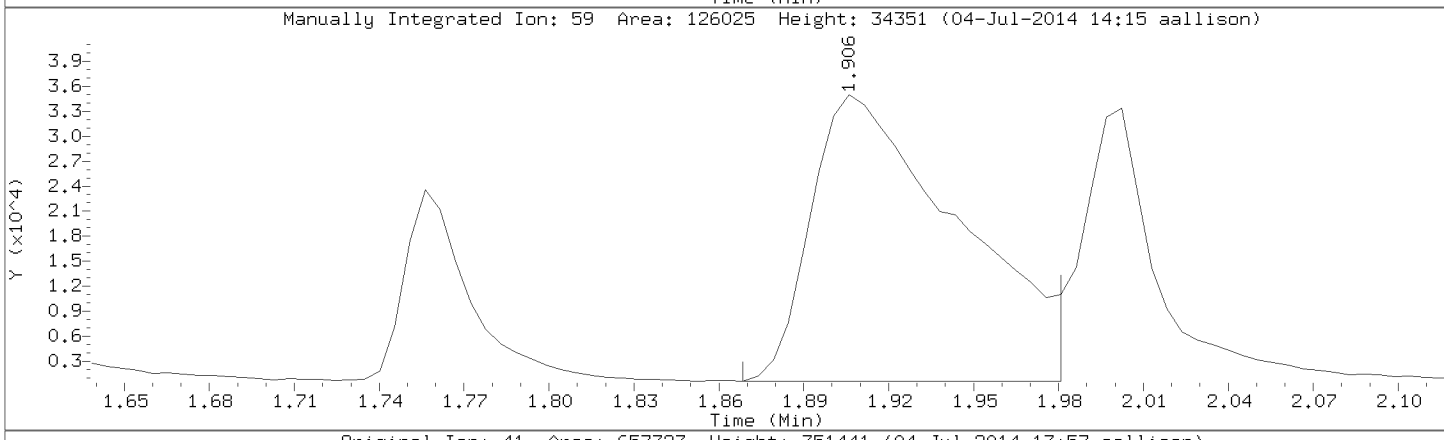
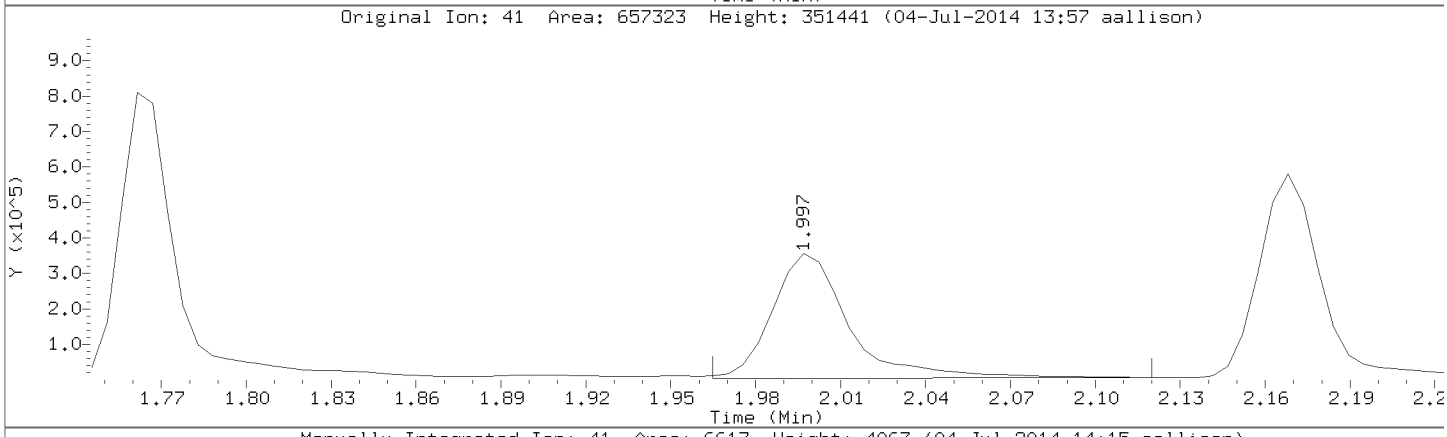
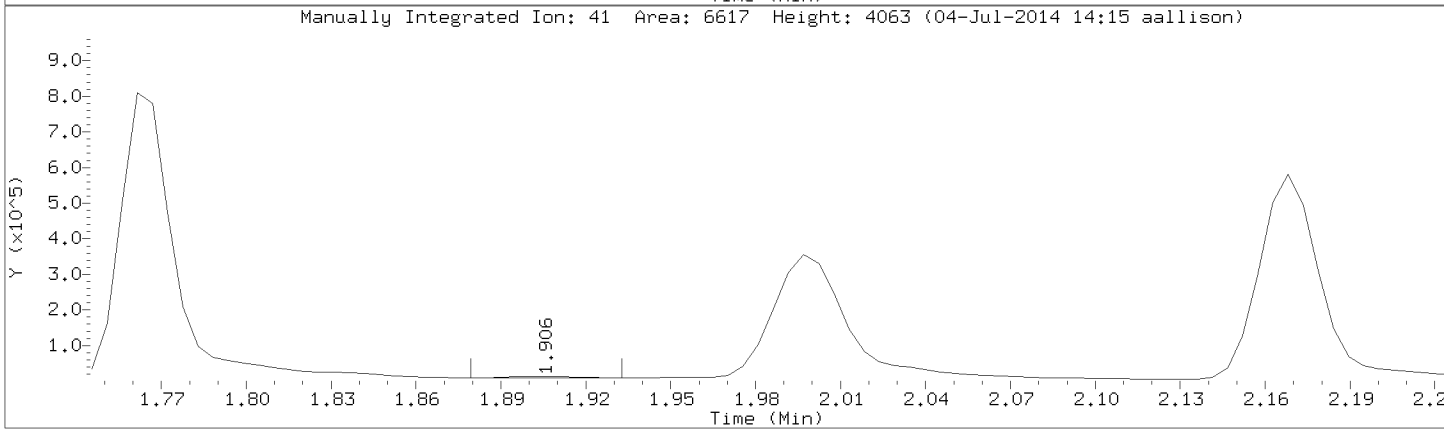
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL8

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









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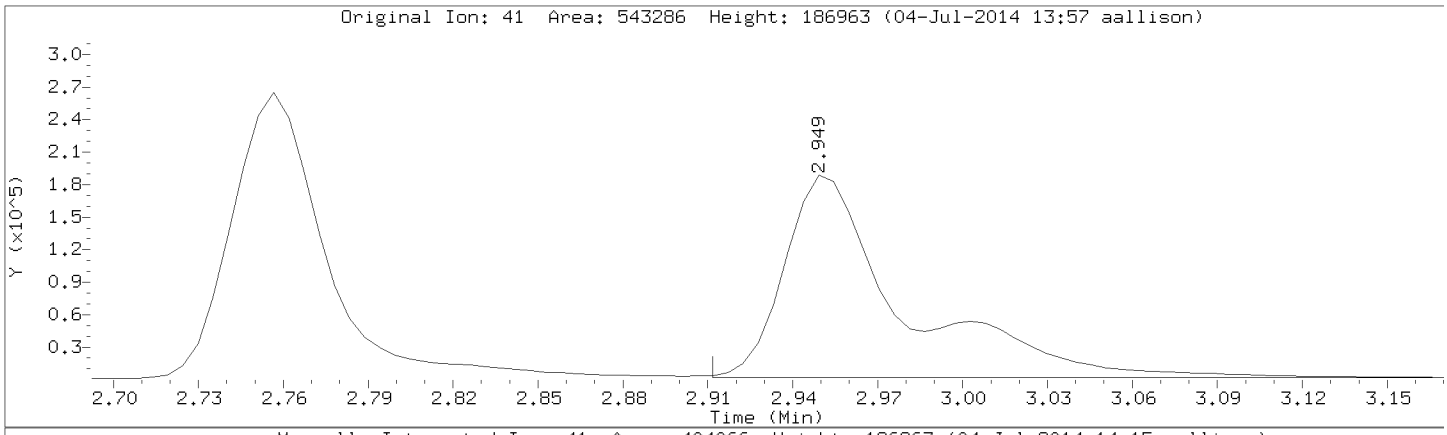
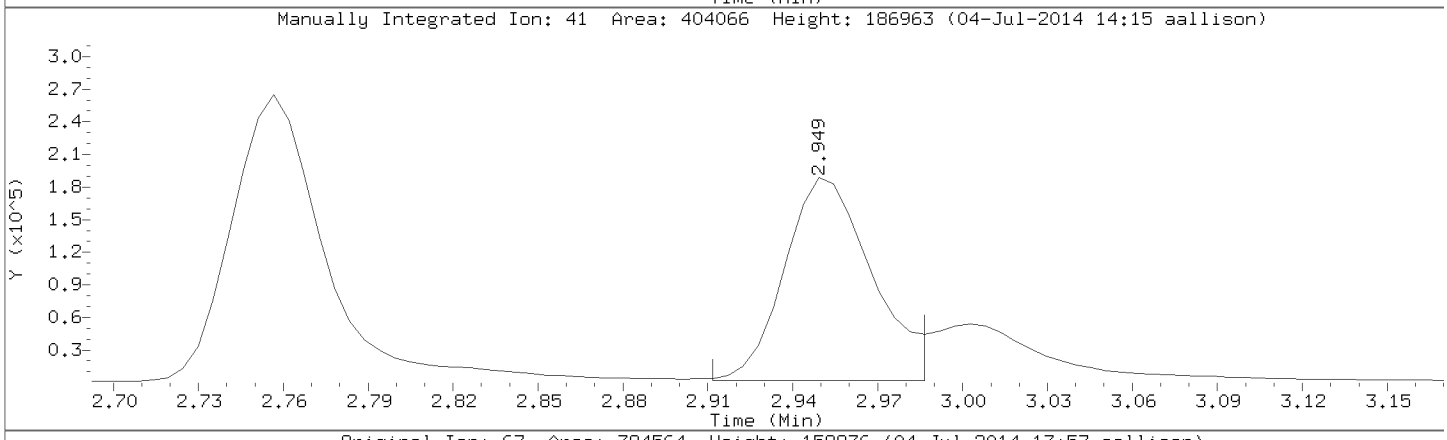
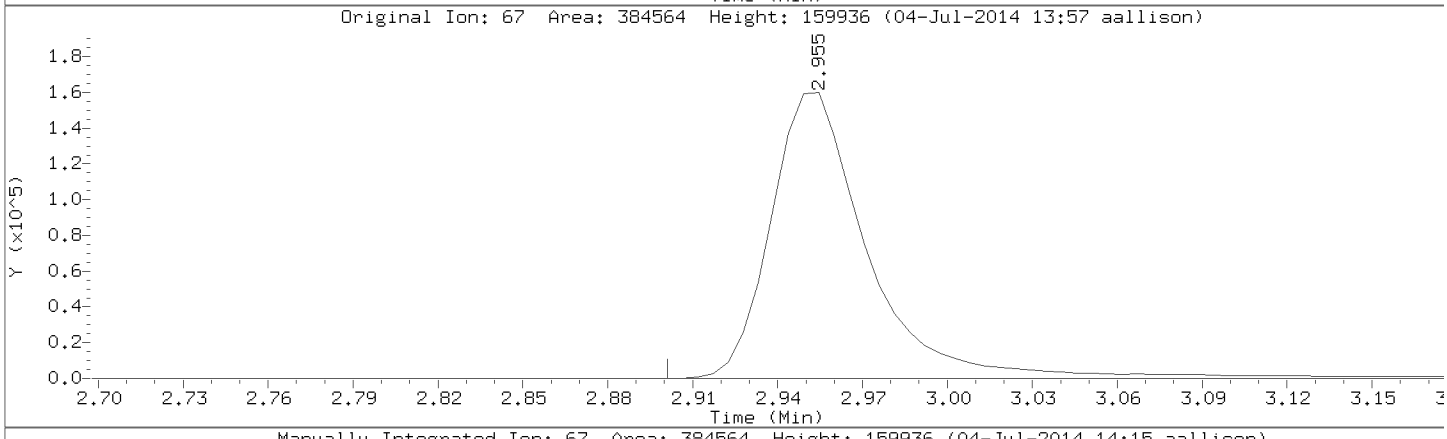
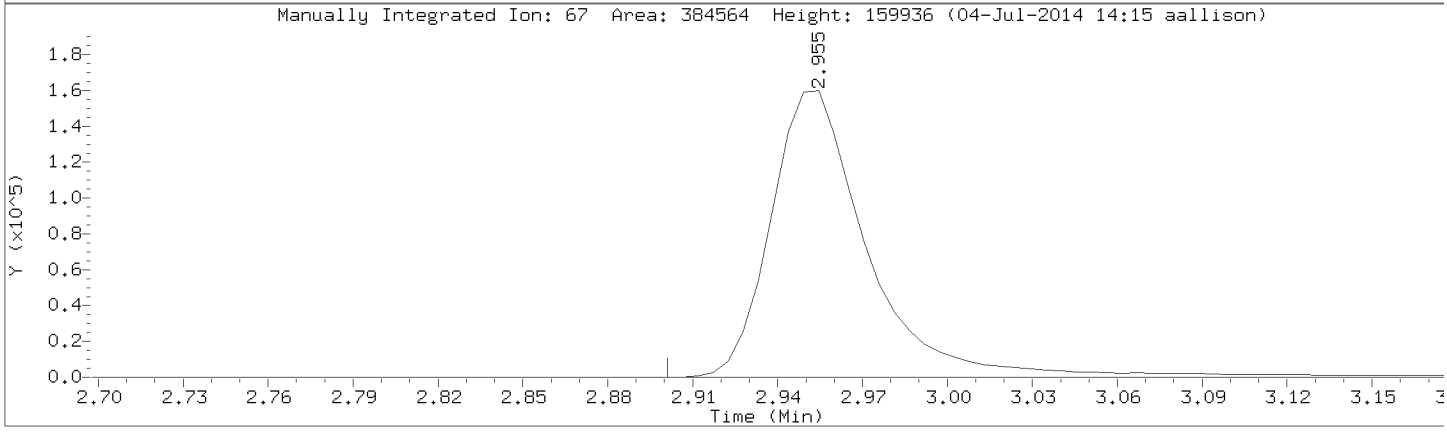
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL8

Compound: Methacrylonitrile
CAS Number: 126-98-7









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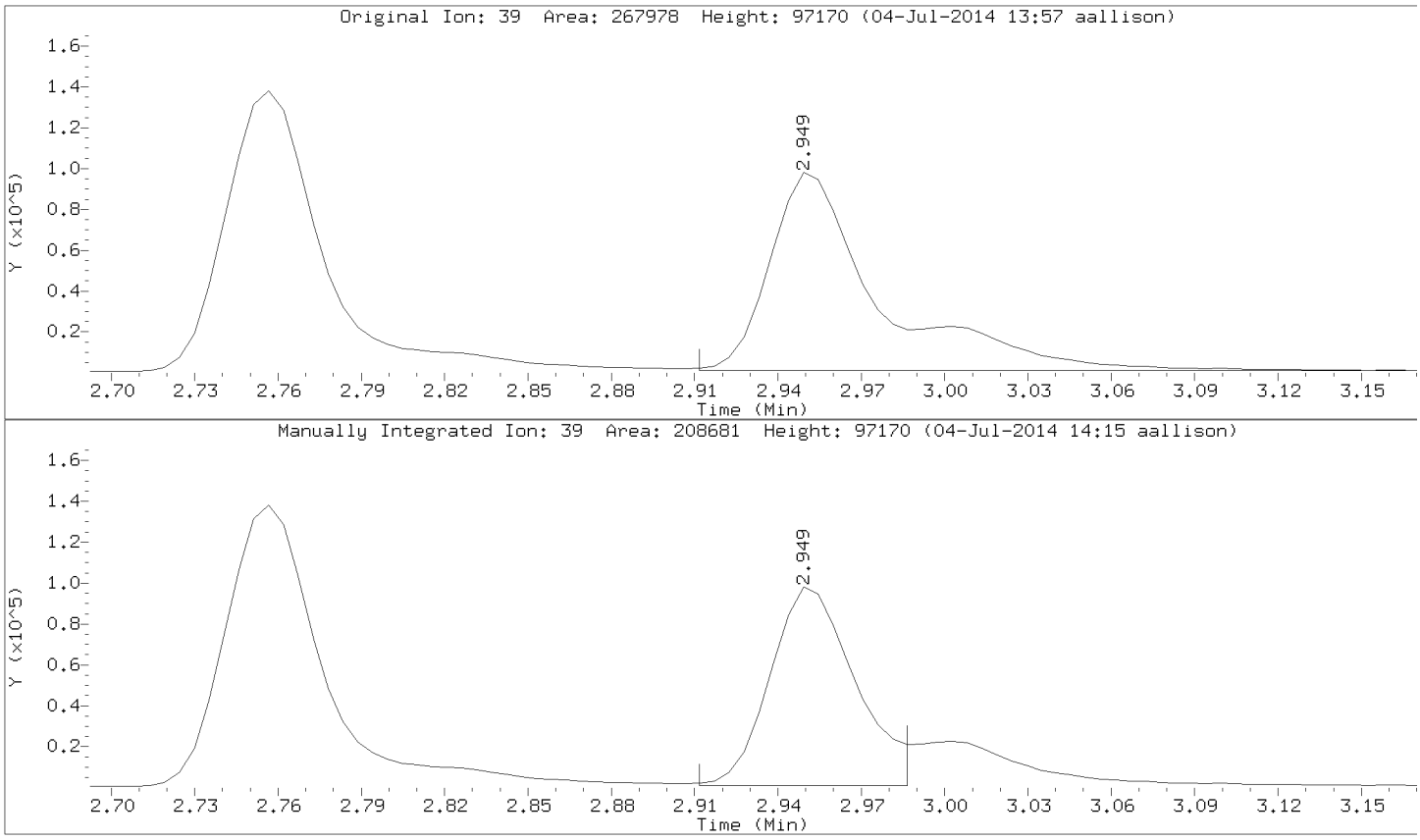
Instrument: 50mv6b.i
Lab Sample ID: 8260-CAL8



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d
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Inj Date : 02-JUL-2014 21:40
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-icv,71824:0
Misc Info : 66433
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Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 17:34 Cal File: a04.d
Als bottle: 14 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 ON-COLUMN (ppb)	FINAL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	296523	57.8387	57.8
146 n-amyl acetate	70	0.927	0.927	(0.228)	567		(Q)
2 Chloromethane	50	1.002	1.001	(0.246)	141364	46.3809	46.4
3 Vinyl Chloride	62	1.050	1.050	(0.258)	208792	54.5511	54.6(Q)
145 isopropyl acetate	61	1.050	1.050	(0.258)	17239		(Q)
4 Bromomethane	94	1.189	1.189	(0.292)	138046	44.4781	44.5
5 Chloroethane	64	1.232	1.232	(0.303)	81670	50.3816	50.4
6 Trichlorofluoromethane	101	1.339	1.339	(0.329)	292377	50.1612	50.2
8 Diethyl ether	74	1.462	1.462	(0.359)	75756	43.4411	43.4
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	183201	39.9541	40.0
9 Acrolein	56	1.531	1.536	(0.377)	364139	1369.51	1370
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	180885	43.3710	43.4
11 1,1-Dichloroethene	96	1.585	1.585	(0.390)	149029	47.0869	47.1
12 Acetone	43	1.595	1.601	(0.392)	158414	271.566	272
13 Iodomethane	142	1.670	1.670	(0.411)	302903	69.3871	69.4
14 Carbon Disulfide	76	1.713	1.713	(0.421)	818378	91.1374	91.1
16 Methyl Acetate	43	1.756	1.762	(0.432)	74160	51.0436	51.0
143 Acetonitrile	39	1.772	1.772	(0.436)	175534	39.3033	39.3
15 allyl chloride	41	1.772	1.772	(0.436)	248827	82.1008	82.1
17 Methylene Chloride	84	1.842	1.847	(0.453)	167166	47.0134	47.0
18 tert-Butyl Alcohol	59	1.884	1.895	(0.463)	23737	77.1664	77.2(Q)
19 Acrylonitrile	53	1.981	1.980	(0.487)	1138212	758.710	759
20 Methyl-tert-butyl ether	73	1.997	2.002	(0.491)	806437	91.5846	91.6

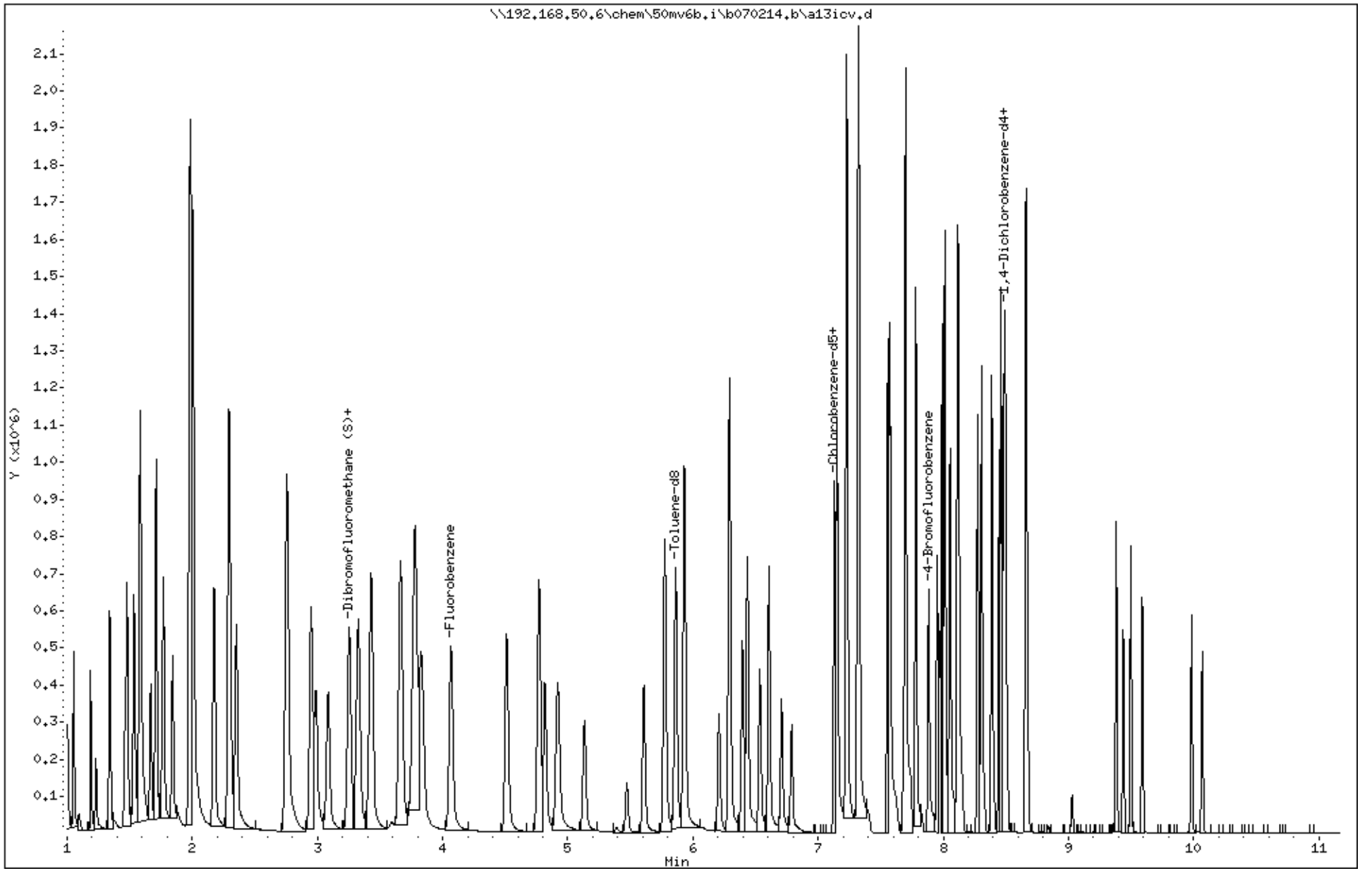
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	21 1,2-Dichloroethene (trans)	96	2.007	2.013	(0.494)	205682	40.6718	40.7
	22 n-Hexane	57	2.173	2.178	(0.534)	270937	44.4070	44.4
	24 Vinyl Acetate	43	2.291	2.296	(0.563)	1035766	219.153	219
	23 1,1-Dichloroethane	63	2.302	2.307	(0.566)	323263	41.8900	41.9
	147 chloroprene	53	2.350	2.355	(0.578)	242183	45.5844	45.6
	28 2-Butanone	43	2.746	2.751	(0.675)	325579	221.137	221
	26 1,2-Dichloroethene (cis)	96	2.756	2.762	(0.678)	220376	40.1469	40.1
	27 2,2-Dichloropropane	77	2.762	2.767	(0.679)	186965	51.5202	51.5
	149 Propionitrile	54	2.810	2.815	(0.691)	23172	39.9615	40.0(Q)
	144 Methacrylonitrile	41	2.944	2.949	(0.724)	313342	180.181	180
	30 Bromochloromethane	49	2.981	2.986	(0.733)	128861	40.9120	40.9
	31 Tetrahydrofuran	42	2.997	3.008	(0.737)	41014	48.0468	48.0
	32 Chloroform	83	3.088	3.088	(0.759)	320149	40.9410	40.9
$	33 Dibromofluoromethane (S)	113	3.254	3.259	(0.800)	146285	47.9952	48.0
	34 1,1,1-Trichloroethane	97	3.254	3.259	(0.800)	255724	45.4845	45.5
	35 Cyclohexane	56	3.323	3.329	(0.817)	309500	47.1315	47.1
	36 Carbon Tetrachloride	117	3.425	3.430	(0.842)	210380	48.4317	48.4
	37 1,1-Dichloropropene	75	3.430	3.436	(0.843)	258053	45.9910	46.0
	39 Benzene	78	3.666	3.671	(0.901)	711444	44.9481	44.9
	40 1,2-Dichloroethane	62	3.757	3.762	(0.924)	205458	41.8141	41.8
	38 Isobutyl alcohol	43	3.778	3.837	(0.929)	994281	443.373	443(Q)
	141 2,2,4-Trimethylpentane	57	3.826	3.837	(0.941)	603218	43.9534	44.0
*	41 Fluorobenzene	96	4.067	4.072	(1.000)	586887	50.0000	
	42 Trichloroethene	95	4.511	4.516	(1.109)	197163	45.2421	45.2
	43 Methylcyclohexane	55	4.768	4.773	(1.172)	224474	47.8642	47.9
	44 1,2-Dichloropropane	63	4.821	4.827	(1.185)	162438	44.5078	44.5
	45 Dibromomethane	93	4.912	4.917	(1.208)	108254	41.5408	41.5
	142 1,4-Dioxane	88	4.923	4.928	(1.210)	46160	856.564	856
	46 Methyl methacrylate	69	4.928	4.934	(1.212)	87418	48.4569	48.4
	47 Bromodichloromethane	83	5.132	5.137	(1.262)	203814	44.5665	44.6
	48 2-Chloroethyl vinyl ether	63	5.474	5.474	(0.767)	59257	45.6826	45.7
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	230962	39.4358	39.4
	50 4-Methyl-2-Pentanone	43	5.774	5.779	(0.810)	500406	229.114	229
$	51 Toluene-d8	98	5.865	5.864	(0.822)	478276	51.3931	51.4
	52 Toluene	91	5.934	5.934	(0.832)	714753	42.9763	43.0
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	173433	38.7764	38.8
	54 Ethyl Methacrylate	69	6.293	6.298	(0.882)	627772	174.691	175
	55 1,1,2-Trichloroethane	83	6.394	6.399	(0.896)	127043	49.6241	49.6
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	194677	42.6343	42.6
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	237980	47.7906	47.8
	58 2-Hexanone	43	6.603	6.608	(0.926)	370307	226.939	227
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	152870	41.2265	41.2
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	157326	48.4704	48.5
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	411068	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	477562	43.2857	43.3
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.014)	131223	45.7467	45.7(Q)
	64 Ethylbenzene	106	7.229	7.234	(1.014)	241040	41.5284	41.5
	65 m&p-Xylene	106	7.325	7.325	(1.027)	621906	82.8258	82.8
	67 o-Xylene	106	7.560	7.560	(1.060)	266297	39.7193	39.7
	68 Styrene	104	7.576	7.576	(1.062)	481498	43.4204	43.4
	69 Bromoform	173	7.683	7.683	(0.905)	75131	40.4284	40.4
	70 Isopropylbenzene	105	7.780	7.785	(1.091)	643947	39.0928	39.1
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	161385	47.7836	47.8
	74 Bromobenzene	77	7.946	7.951	(1.114)	211340	36.4118	36.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
73	1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	138122	43.3870	43.4
71	trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	137805	180.700	181(Q)
75	1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	41806	44.4465	44.4(Q)
76	n-Propylbenzene	91	8.015	8.015	(0.945)	721506	41.8145	41.8
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	426794	39.8534	39.8
78	1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	429243	38.2437	38.2
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	176359	43.1980	43.2
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	351193	29.3043	29.3(R)
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	439051	38.5616	38.6
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	545410	38.5946	38.6
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	306888	41.1828	41.2
84	p-Isopropyltoluene	119	8.465	8.464	(0.997)	449752	36.5627	36.6
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	188995	50.0000	
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	326119	41.5252	41.5
87	n-Butylbenzene	91	8.657	8.657	(1.020)	420622	39.4402	39.4
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	243842	43.0127	43.0
89	1,2-Dibromo-3-chloropropane	155	9.032	9.031	(1.064)	13411	37.8527	37.8
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	133831	46.0382	46.0
91	Hexachlorobutadiene	225	9.444	9.443	(1.113)	53453	34.3624	34.4(R)
92	Naphthalene	128	9.497	9.497	(1.119)	332650	46.5602	46.6
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	109014	45.9649	46.0
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	150296	53.3445	53.3
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	117122	58.1677	58.2

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d
Date : 02-JUL-2014 21:40
Client ID: 8260-ICV
Instrument: 50mv6b.i
Sample Info: 8260-ICV,71824:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

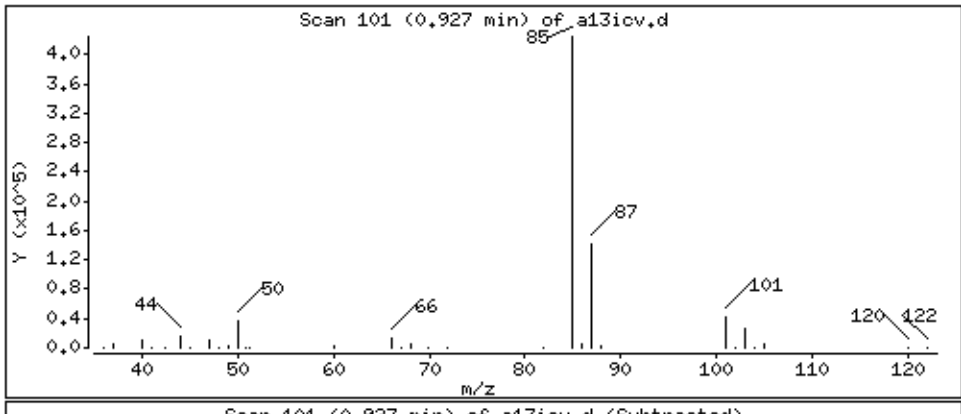
Operator: ala

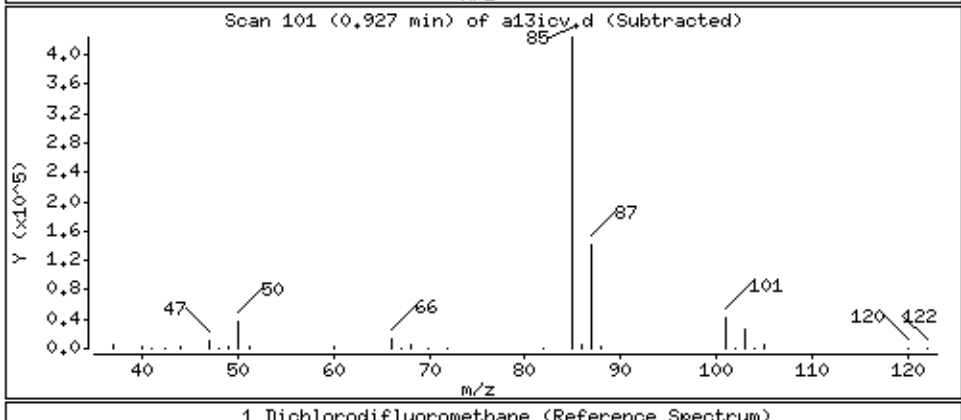
Column phase: DB-624

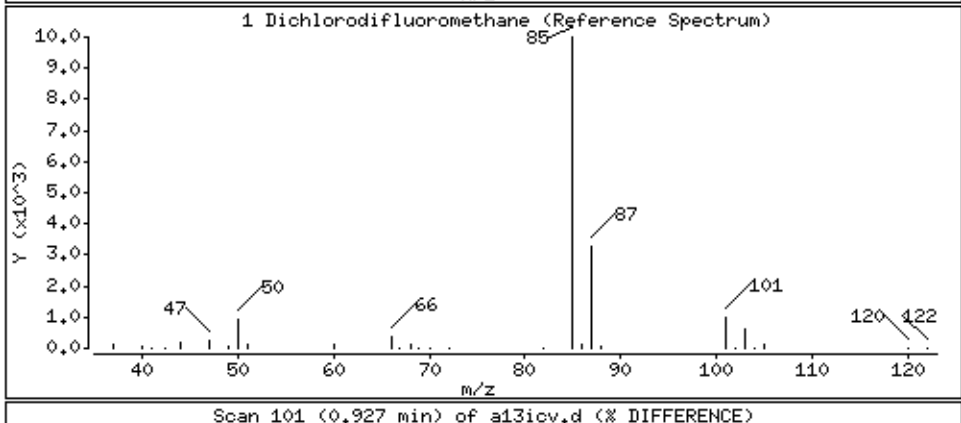
Column diameter: 0.18

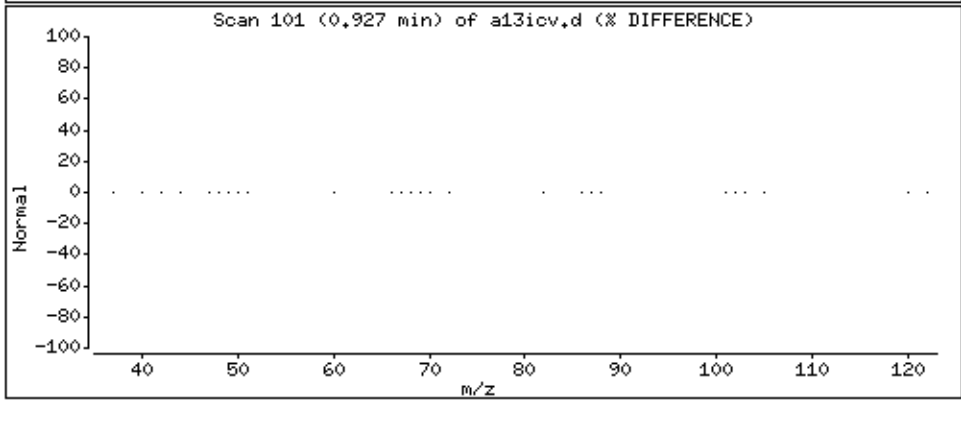
1 Dichlorodifluoromethane

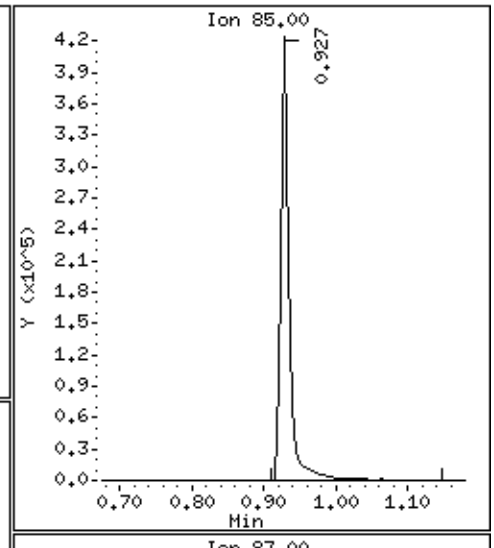
Concentration: 57.8 ppb

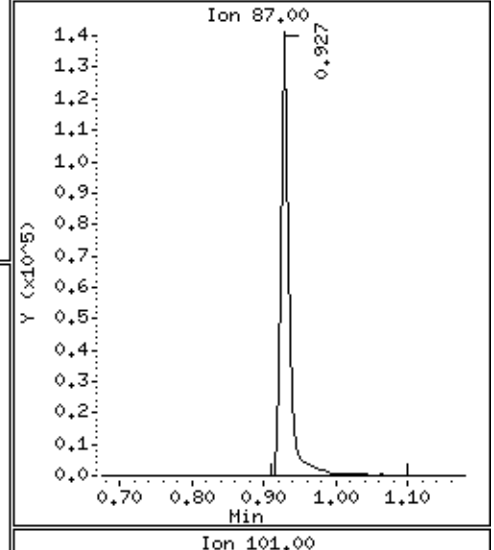


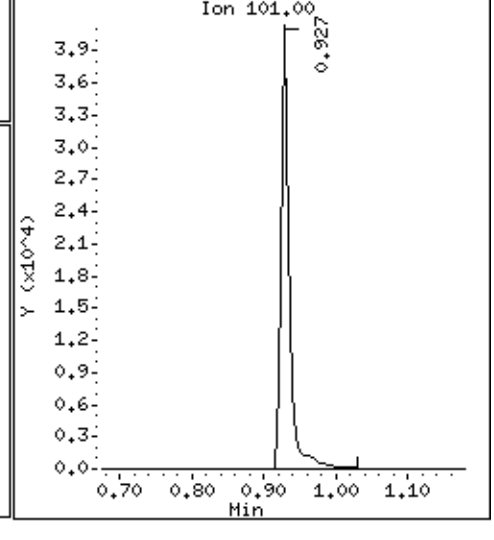












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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

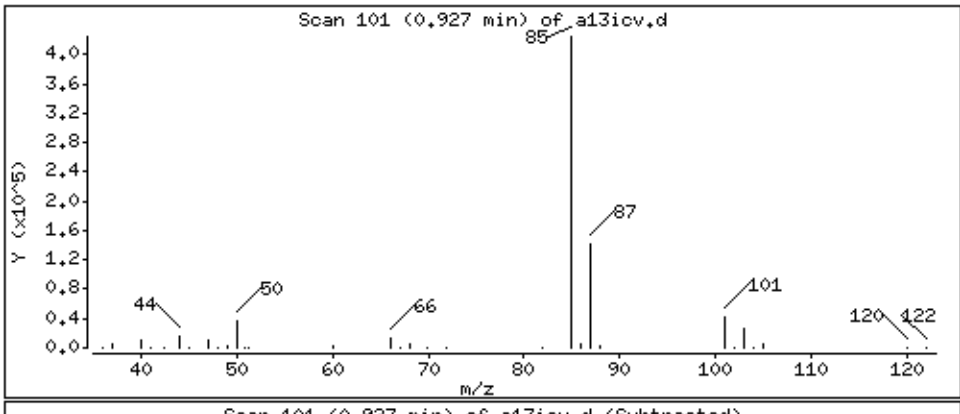
Purge Volume: 5.0

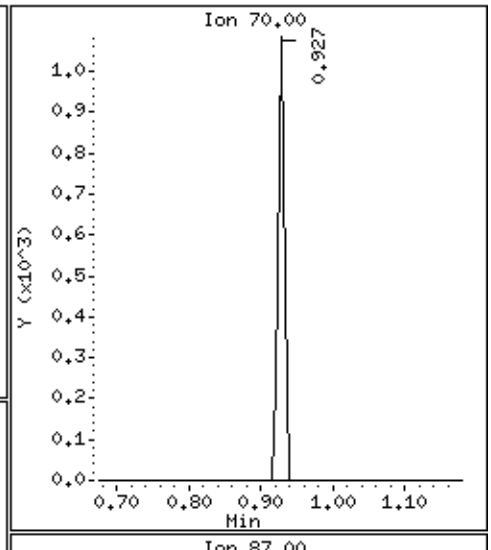
Operator: ala

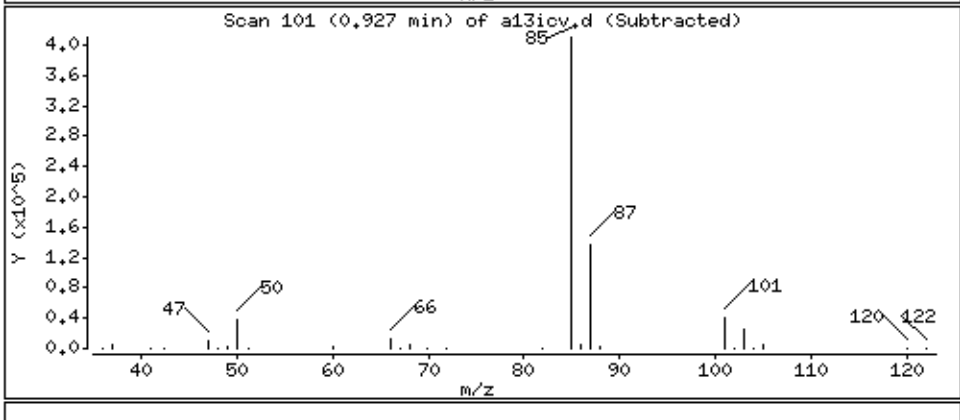
Column phase: DB-624

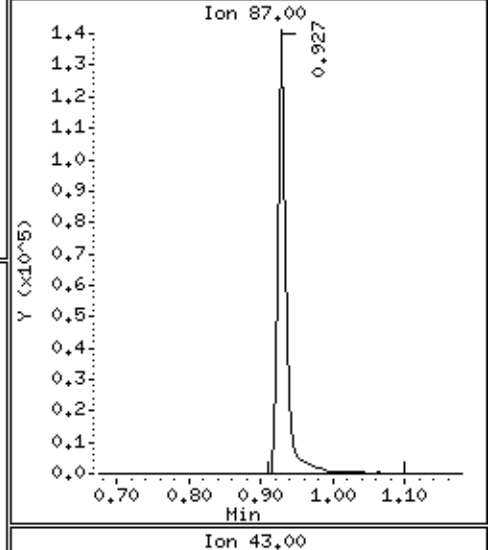
Column diameter: 0.18

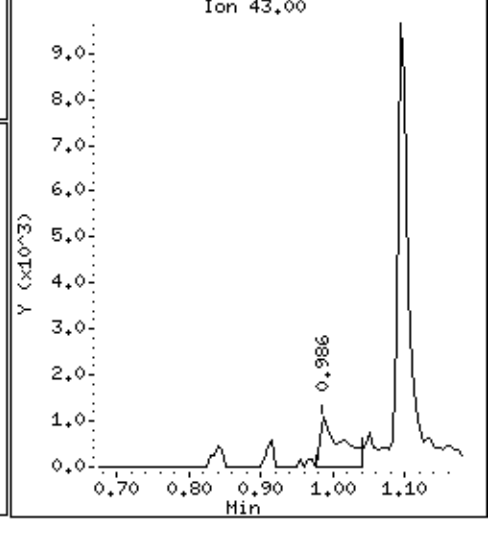
146 n-amyl acetate











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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

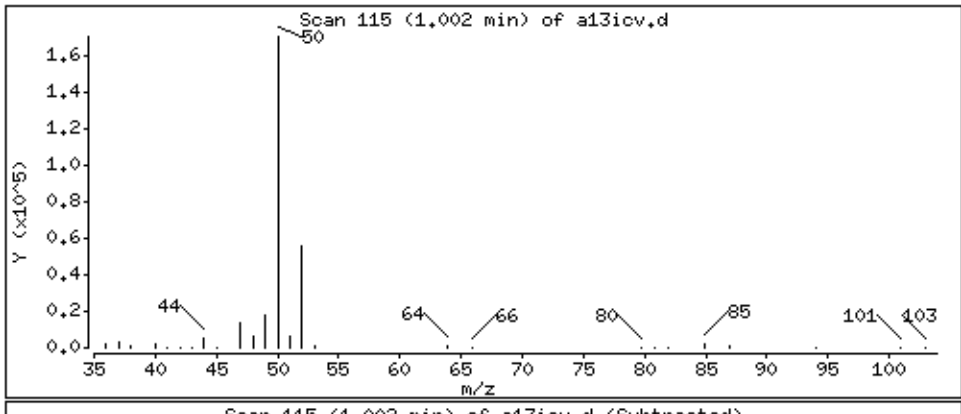
Operator: ala

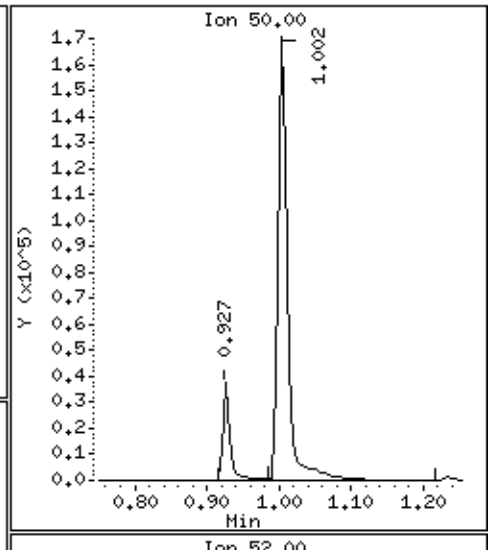
Column phase: DB-624

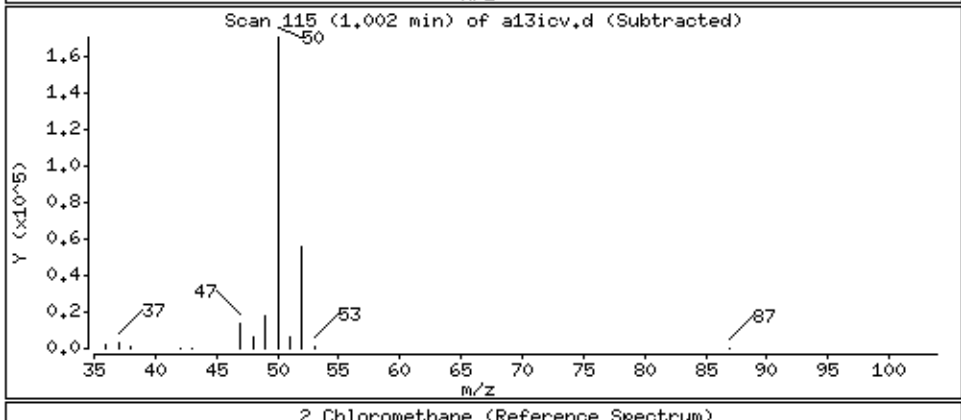
Column diameter: 0.18

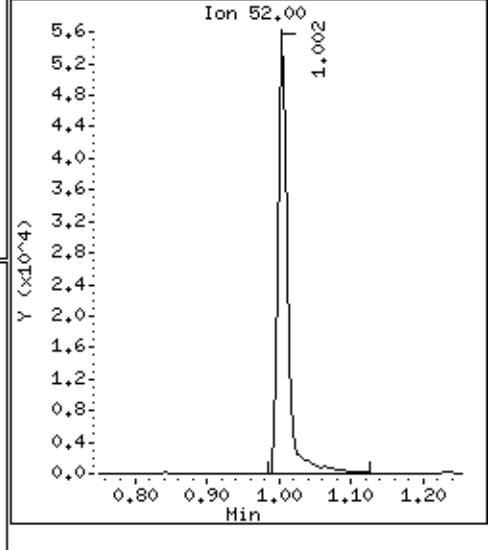
2 Chloromethane

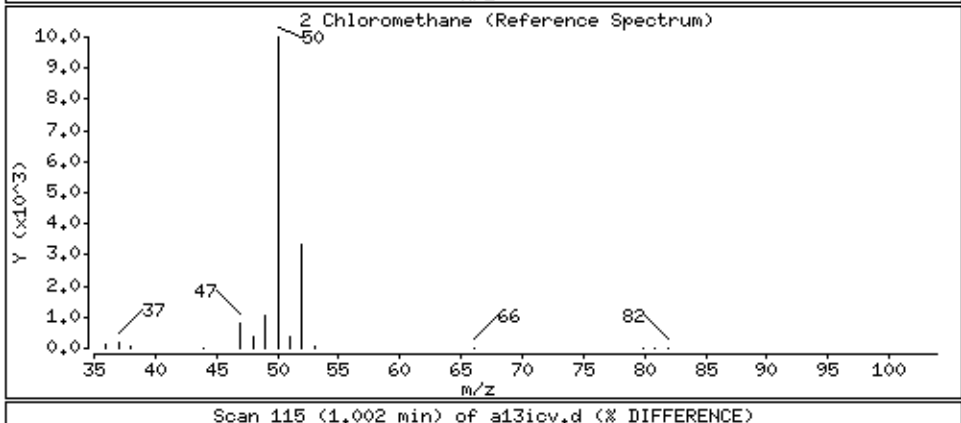
Concentration: 46.4 ppb

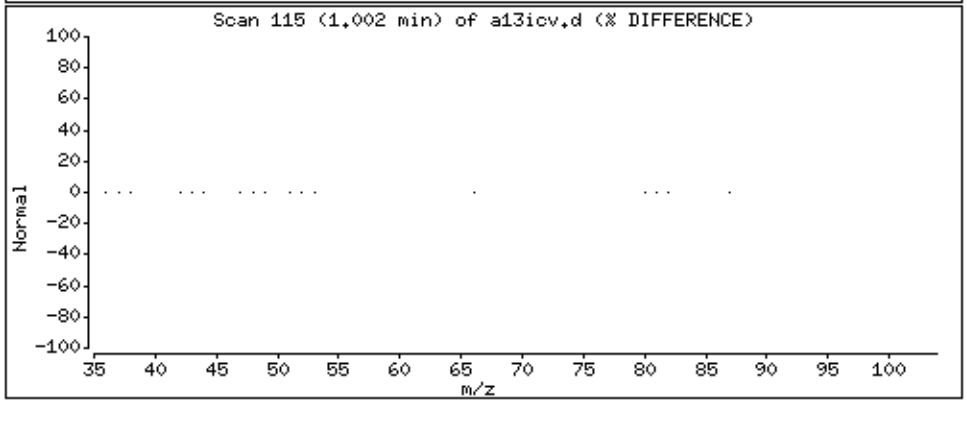












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

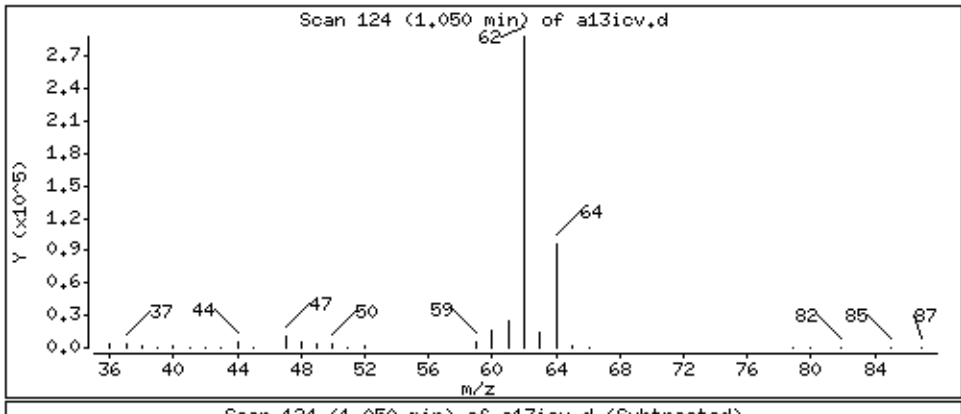
Operator: ala

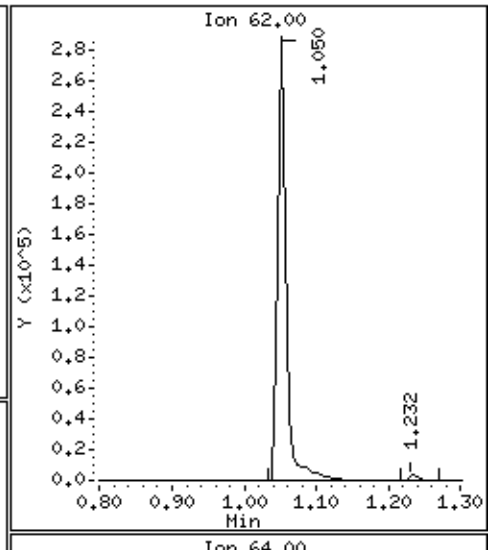
Column phase: DB-624

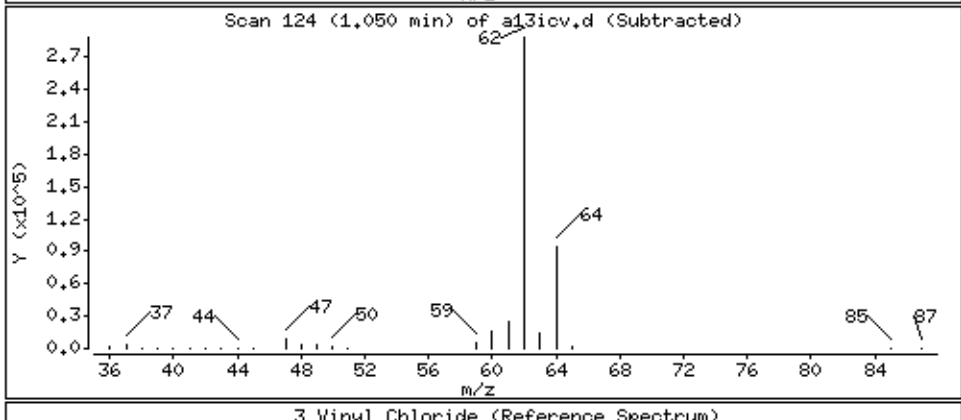
Column diameter: 0.18

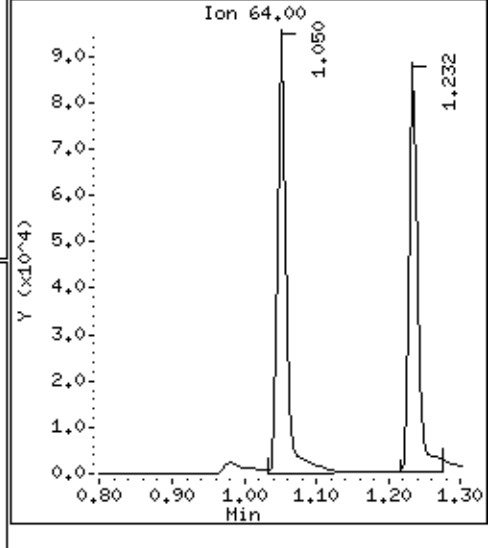
3 Vinyl Chloride

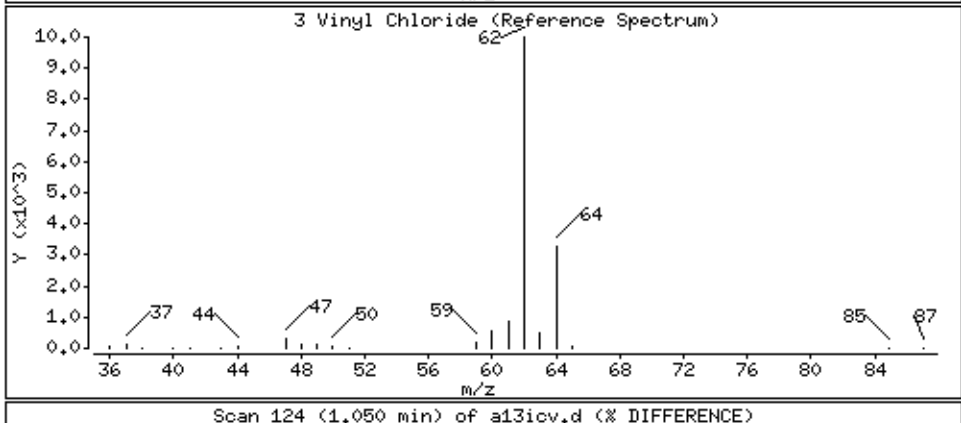
Concentration: 54.6 ppb

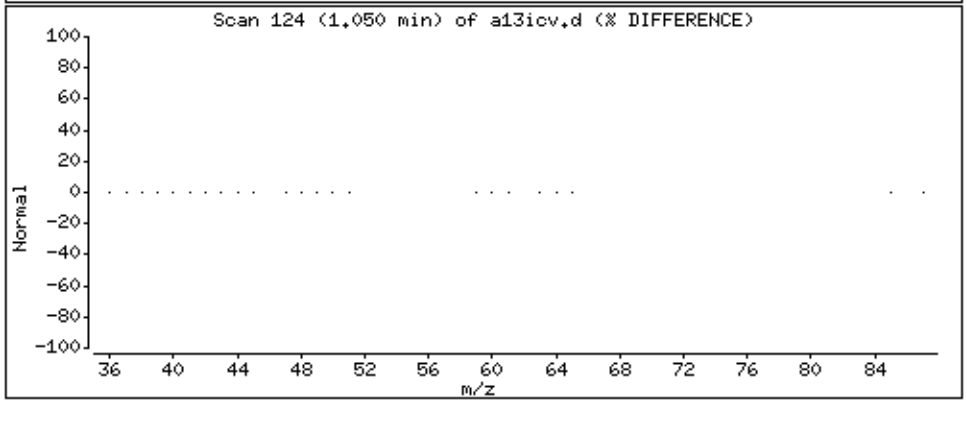












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

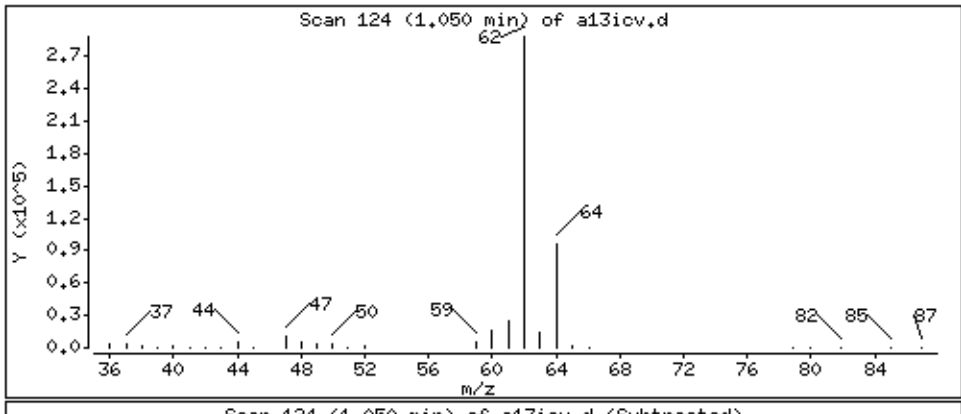
Purge Volume: 5.0

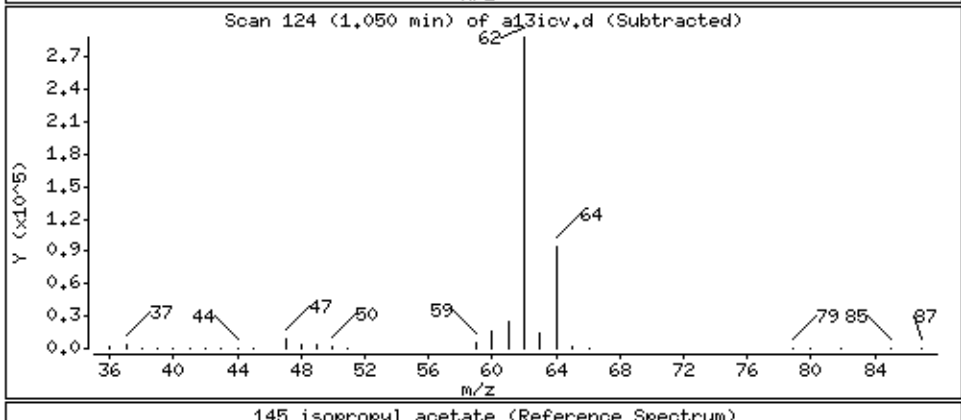
Operator: ala

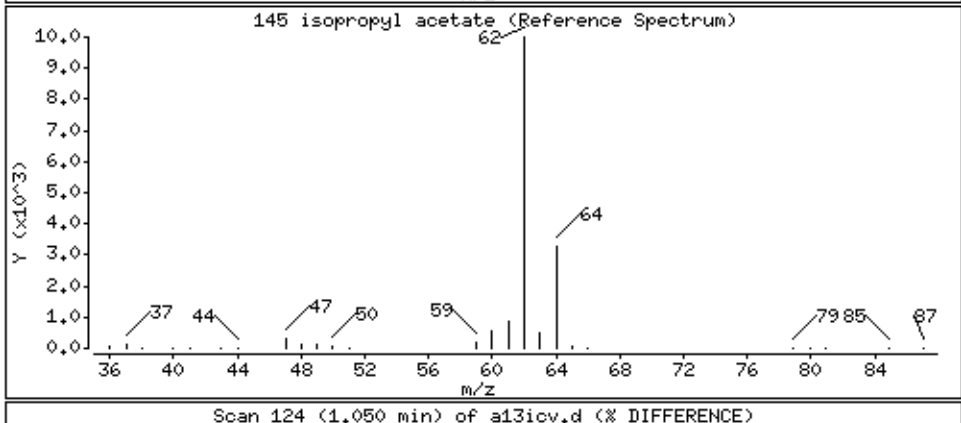
Column phase: DB-624

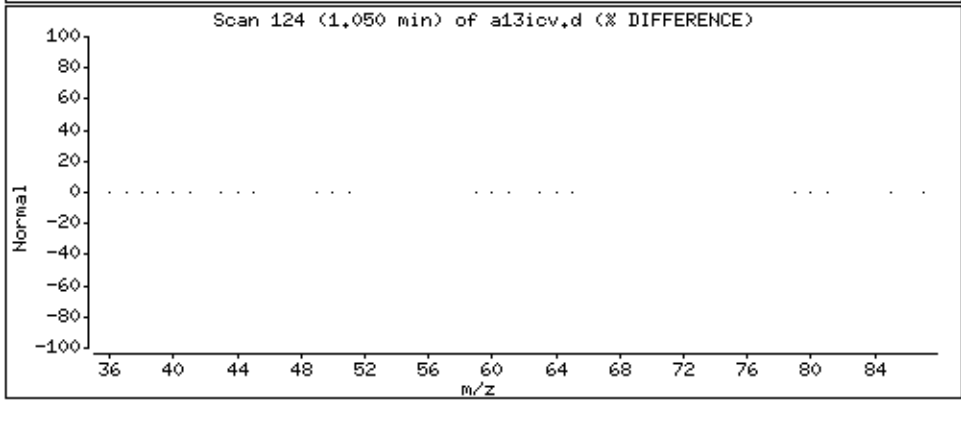
Column diameter: 0.18

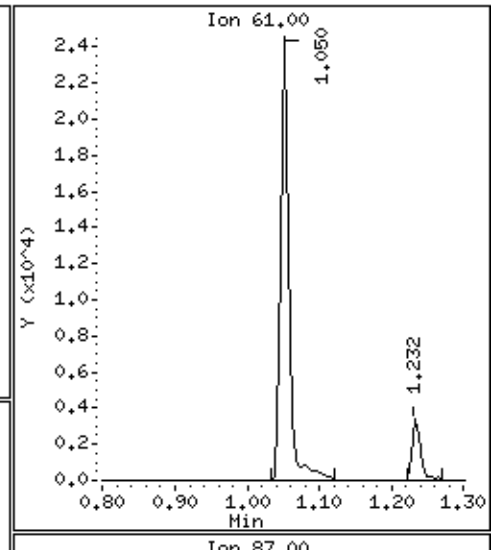
145 isopropyl acetate

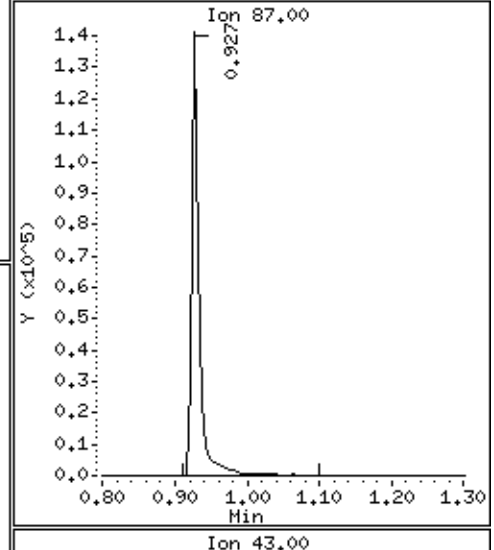


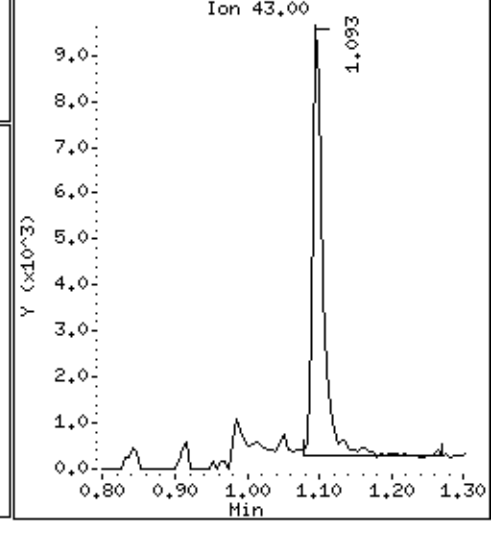












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

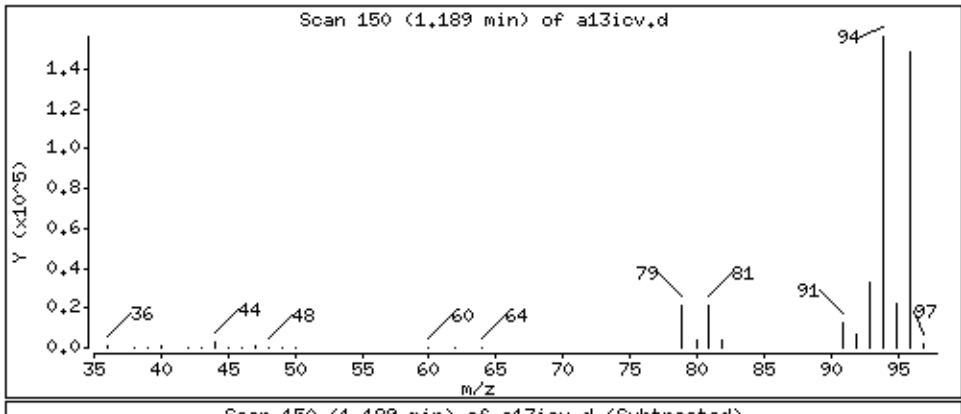
Operator: ala

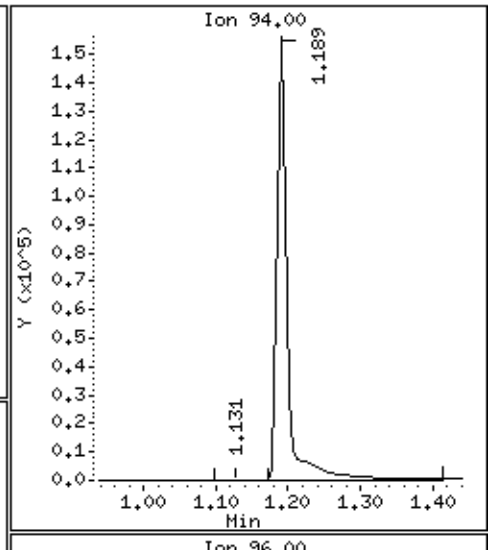
Column phase: DB-624

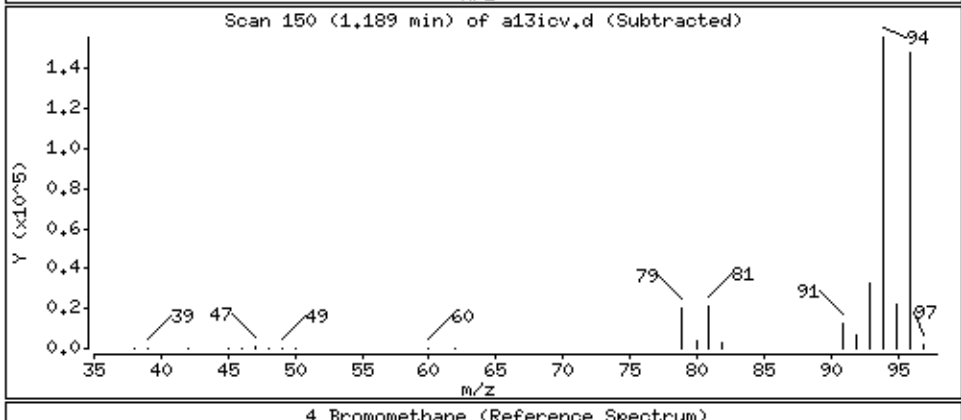
Column diameter: 0.18

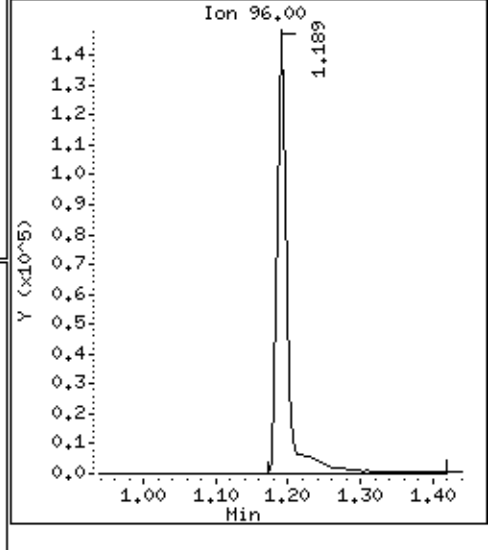
4 Bromomethane

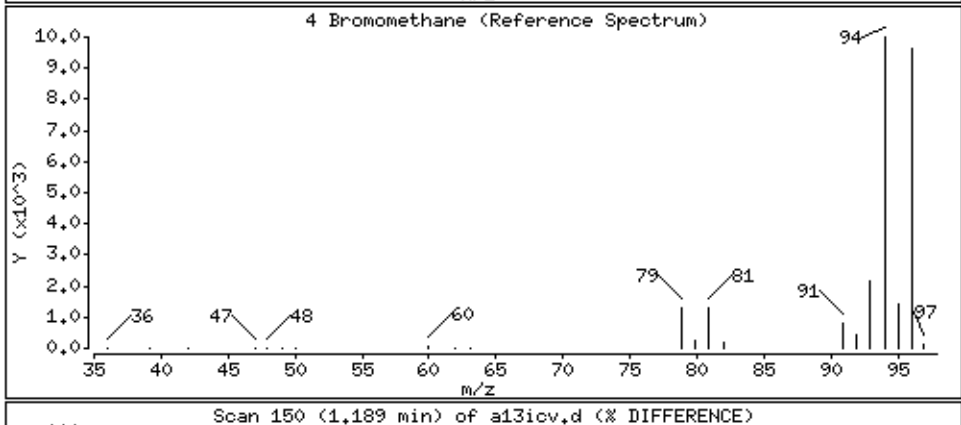
Concentration: 44.5 ppb

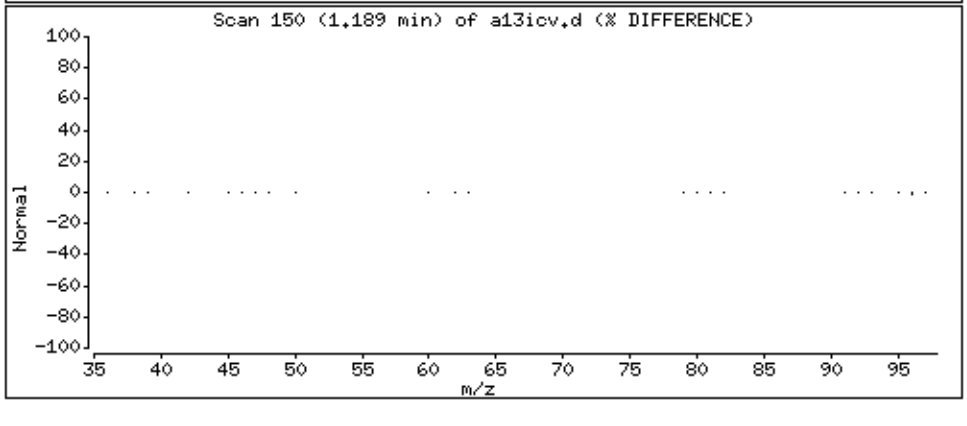












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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

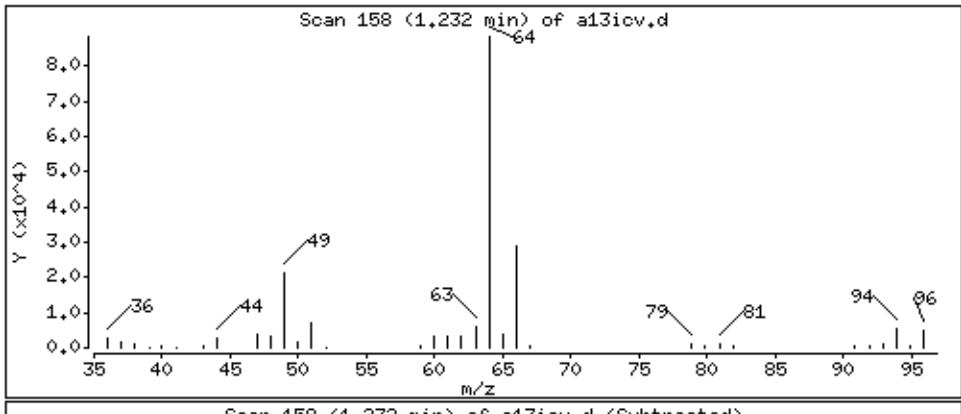
Operator: ala

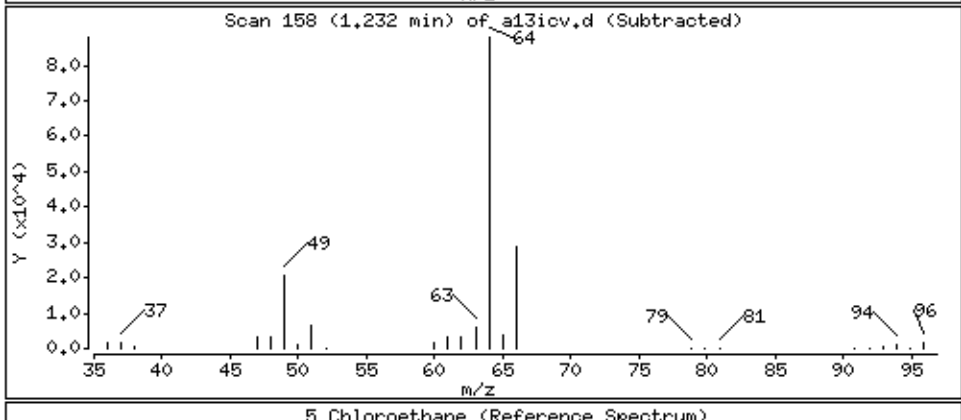
Column phase: DB-624

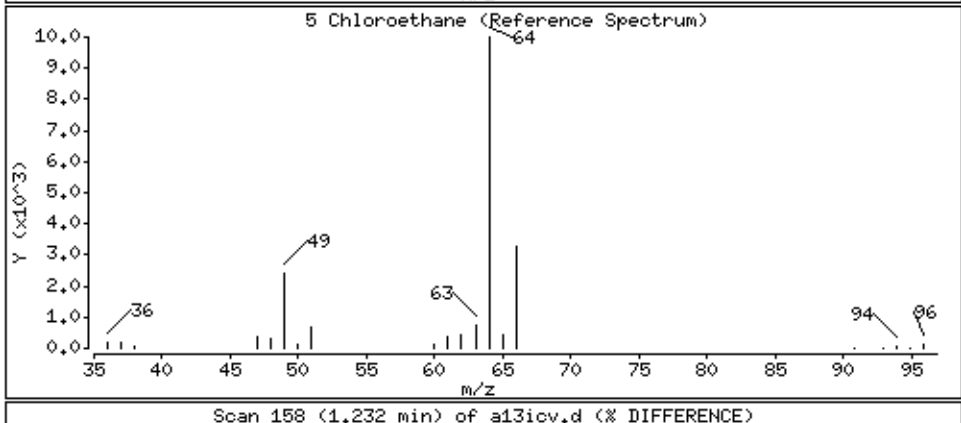
Column diameter: 0.18

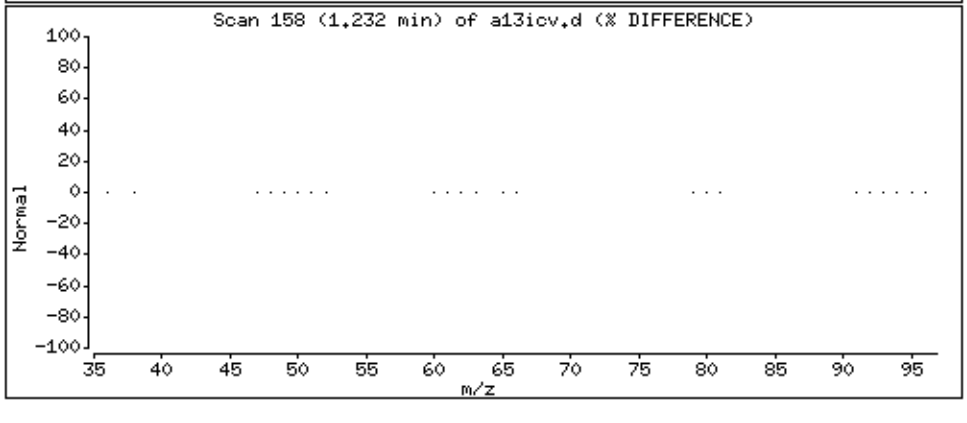
5 Chloroethane

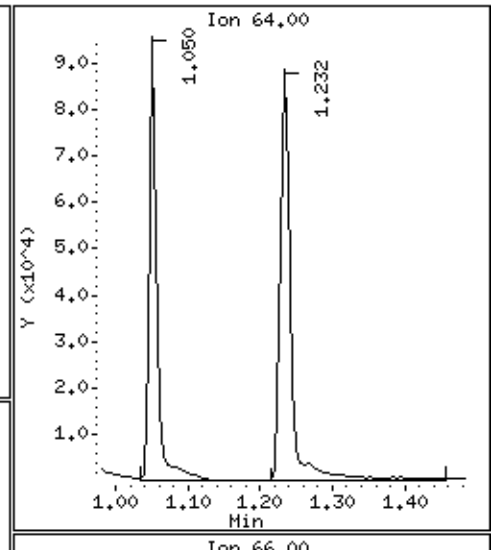
Concentration: 50.4 ppb

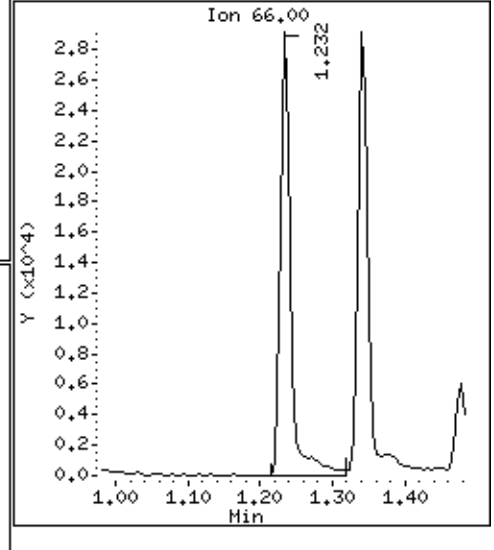












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

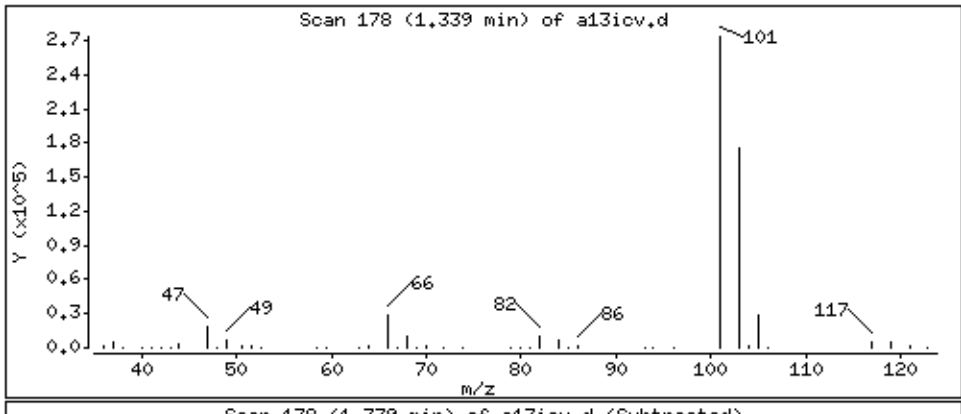
Operator: ala

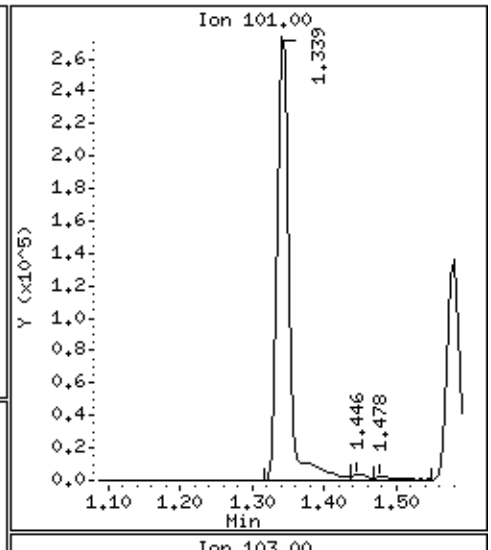
Column phase: DB-624

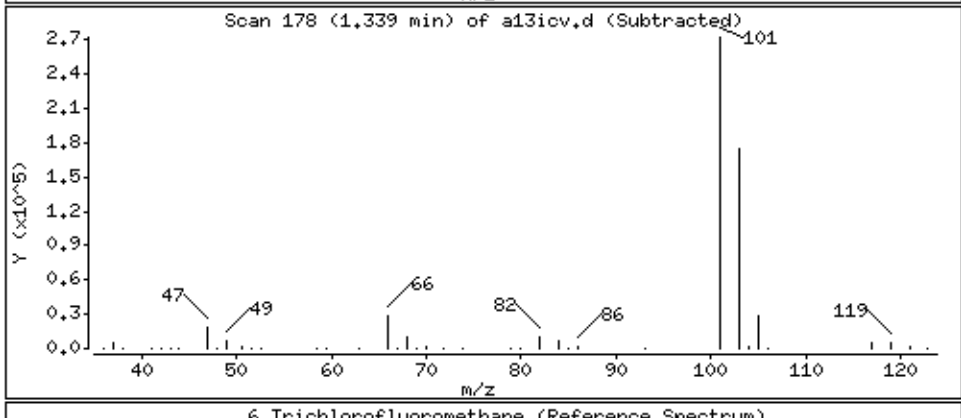
Column diameter: 0.18

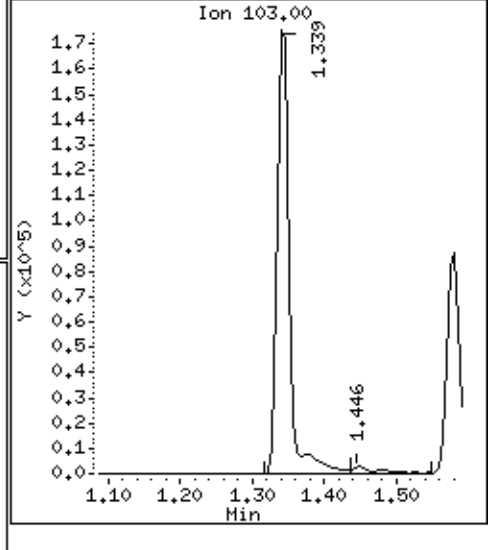
6 Trichlorofluoromethane

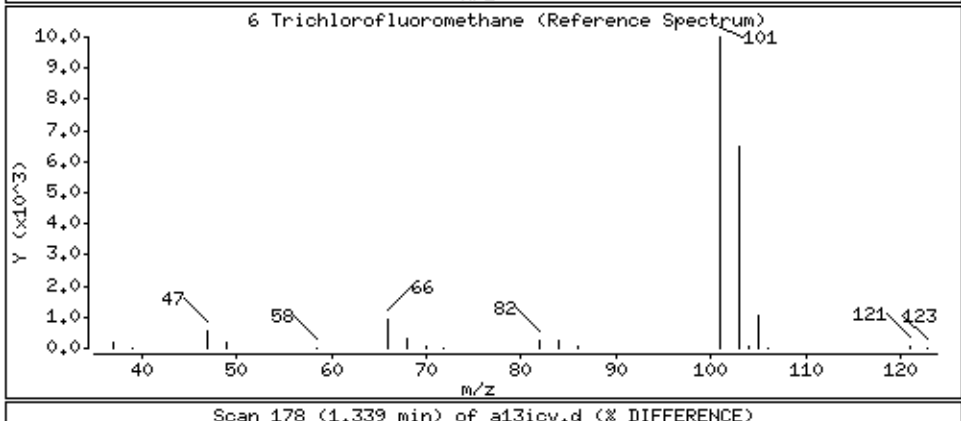
Concentration: 50.2 ppb

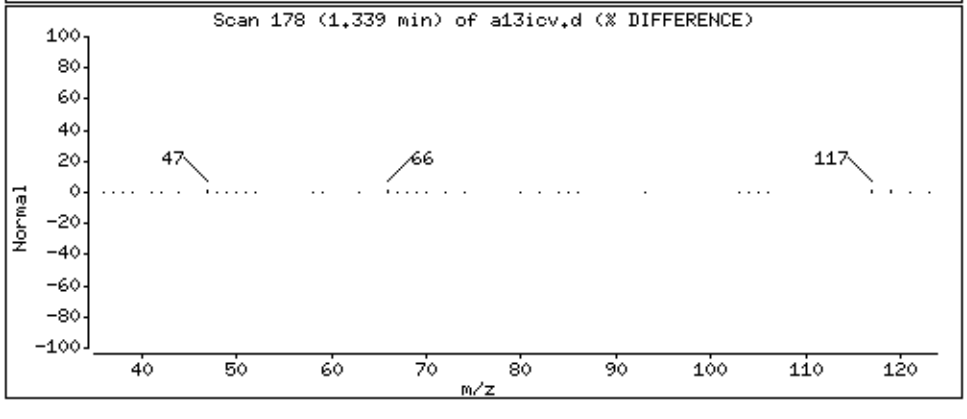












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

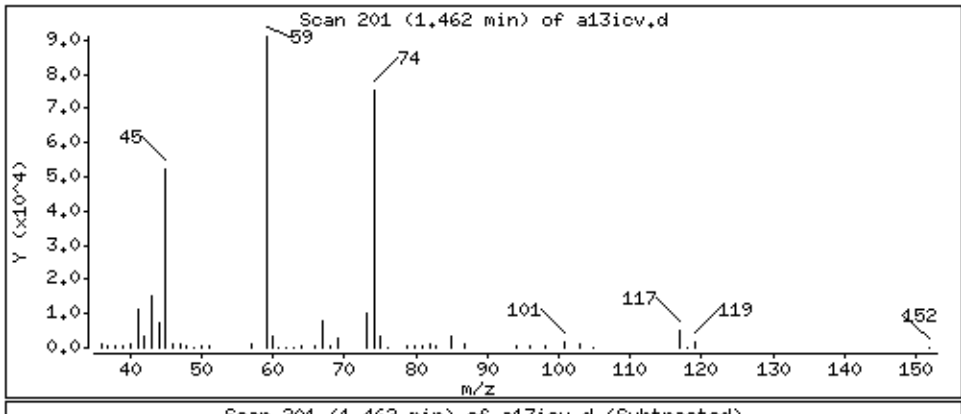
Operator: ala

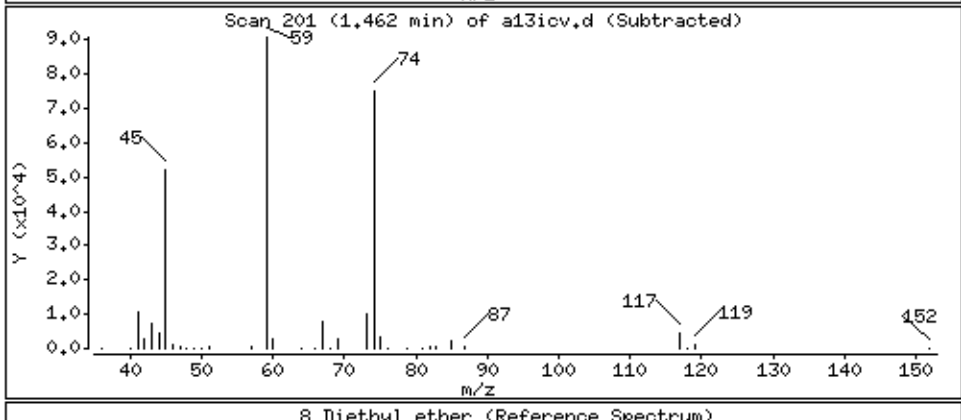
Column phase: DB-624

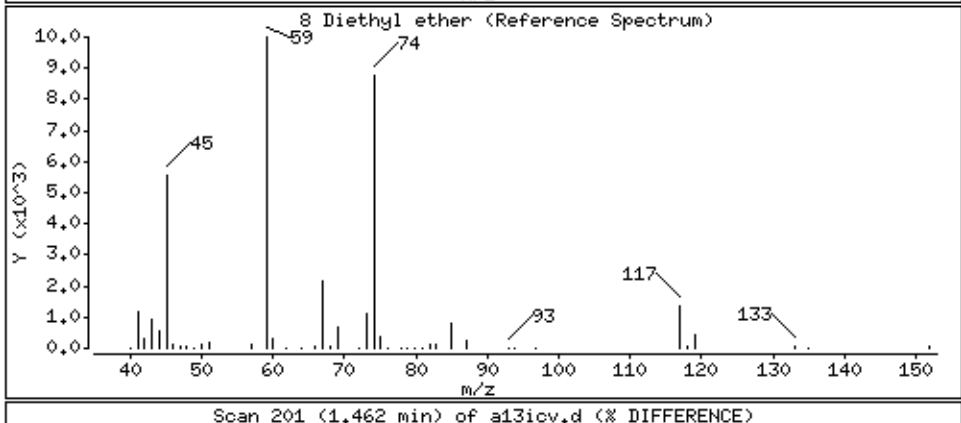
Column diameter: 0.18

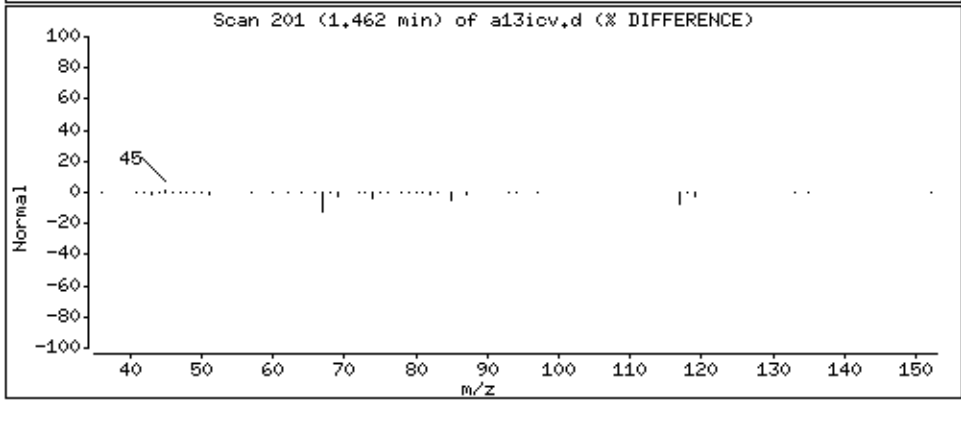
8 Diethyl ether

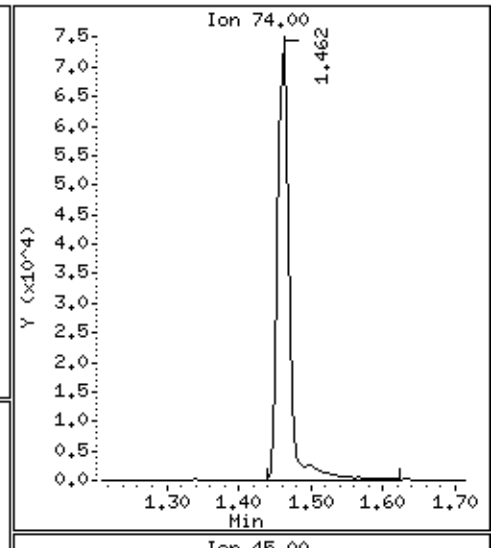
Concentration: 43.4 ppb

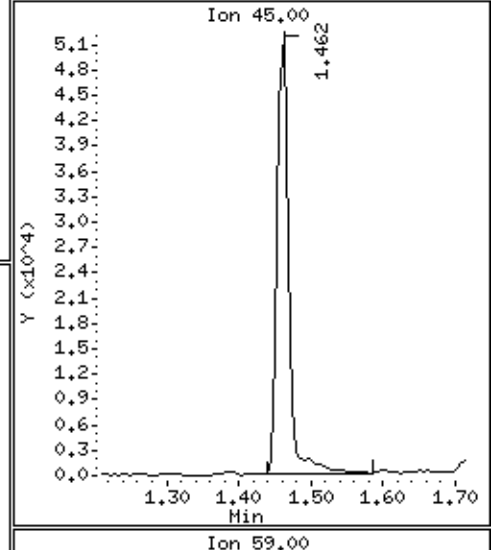


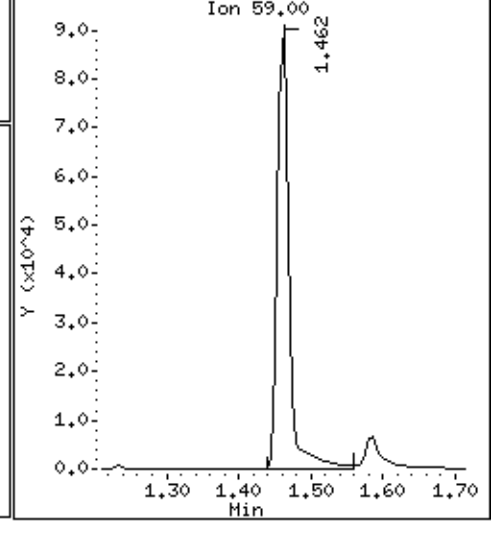












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

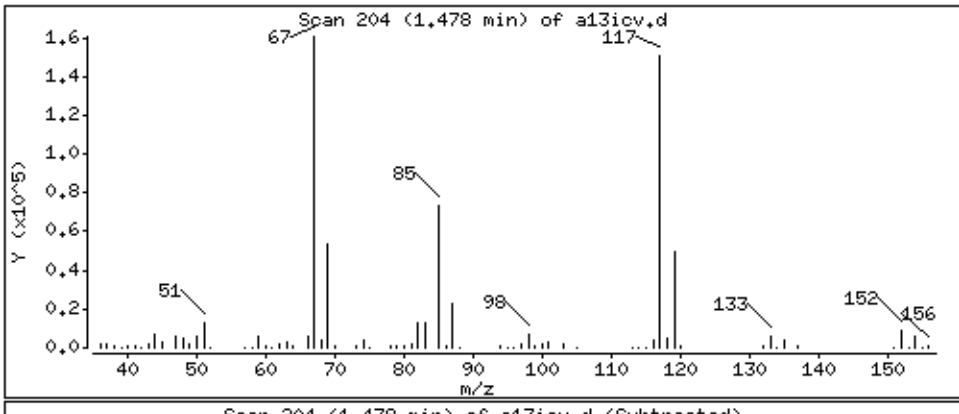
Operator: ala

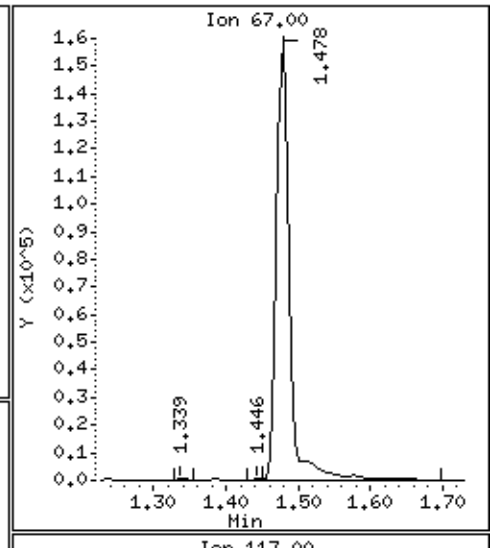
Column phase: DB-624

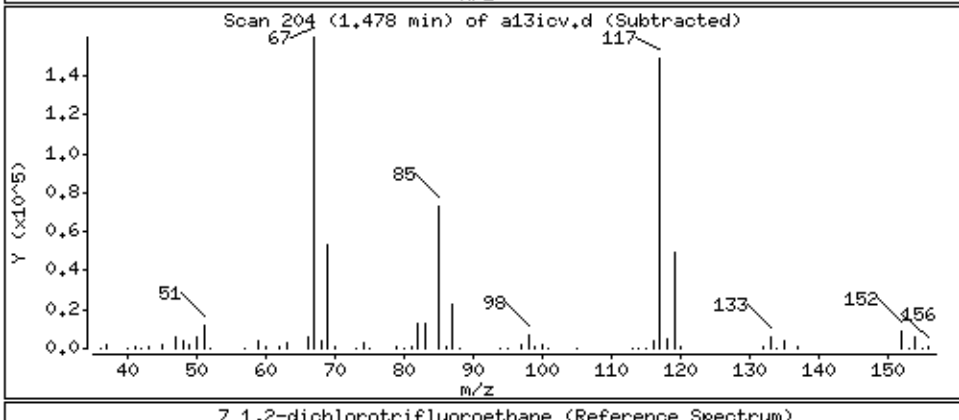
Column diameter: 0.18

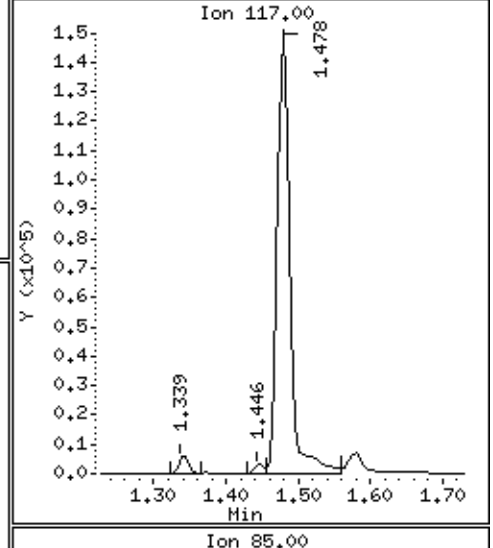
7 1,2-dichlorotrifluoroethane

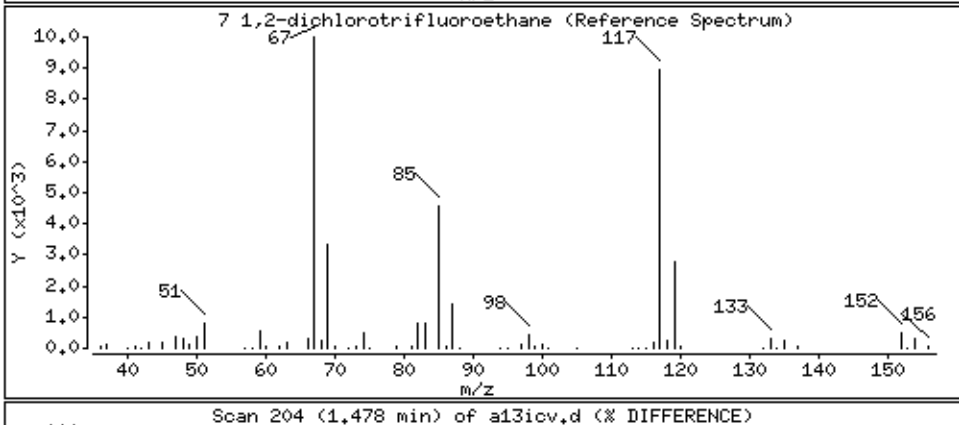
Concentration: 40.0 ppb

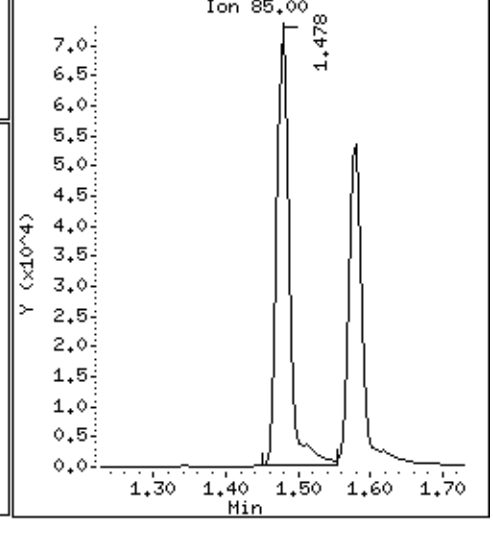


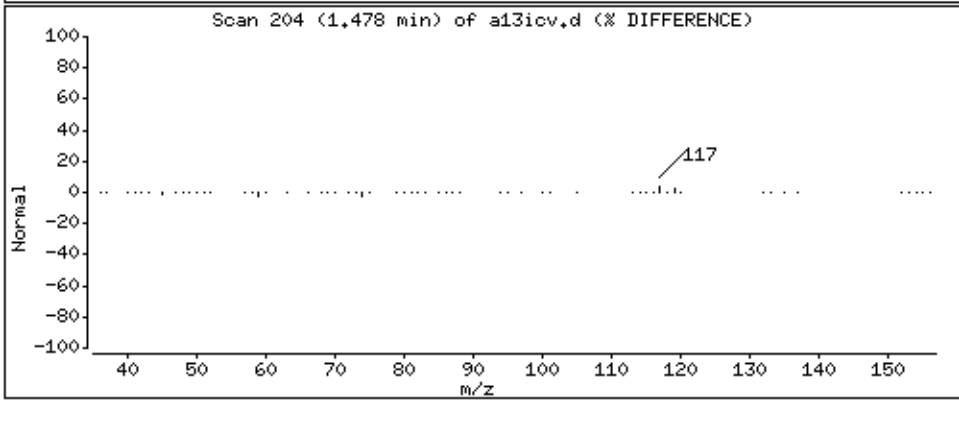












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

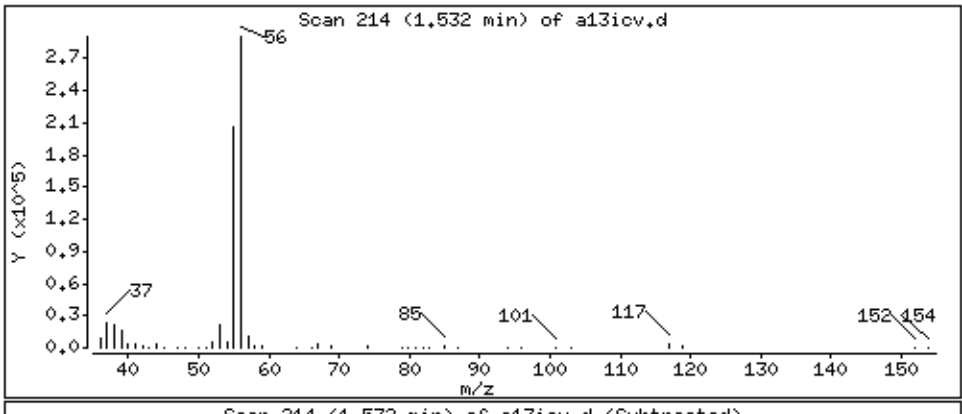
Operator: ala

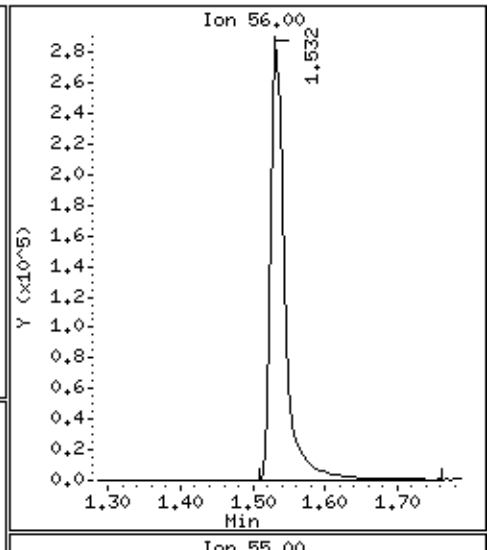
Column phase: DB-624

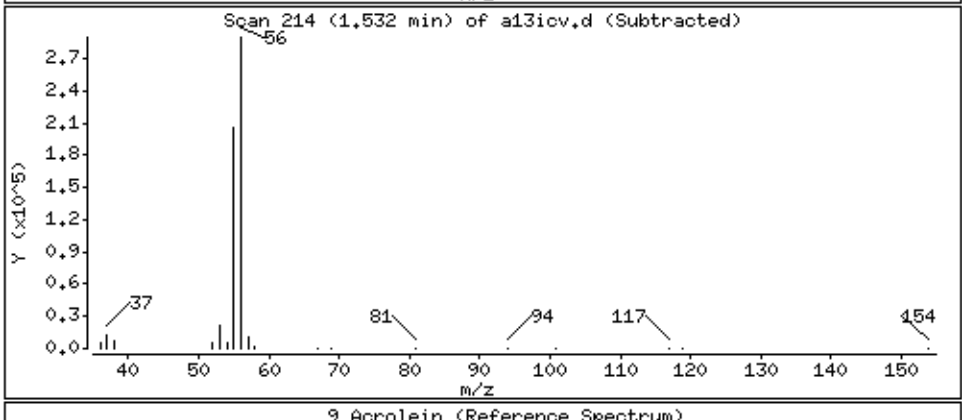
Column diameter: 0.18

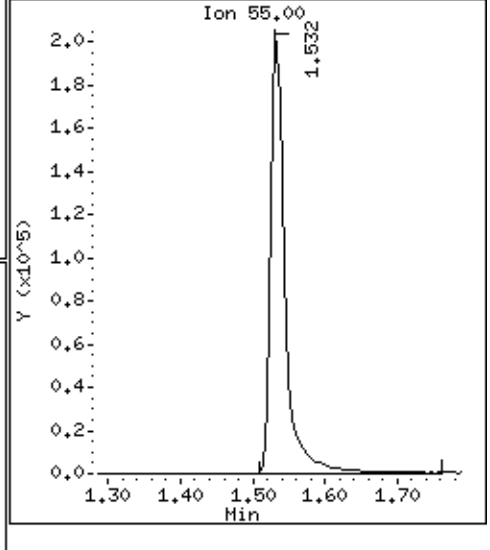
9 Acrolein

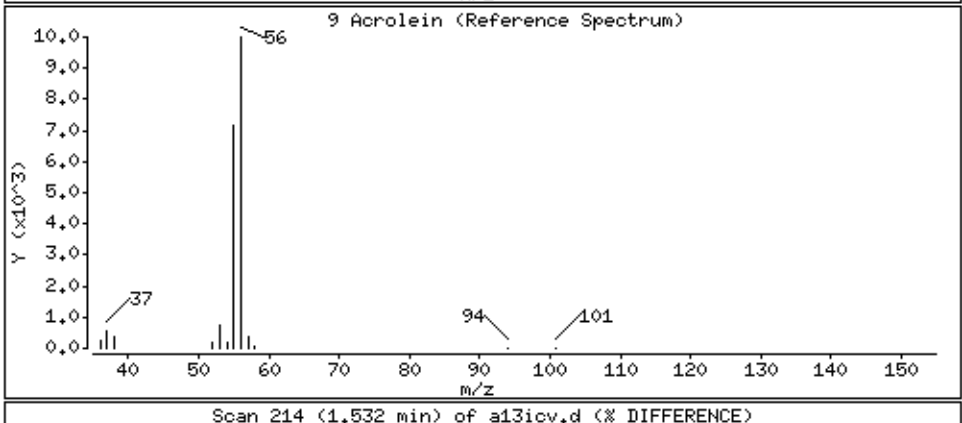
Concentration: 1370 ppb

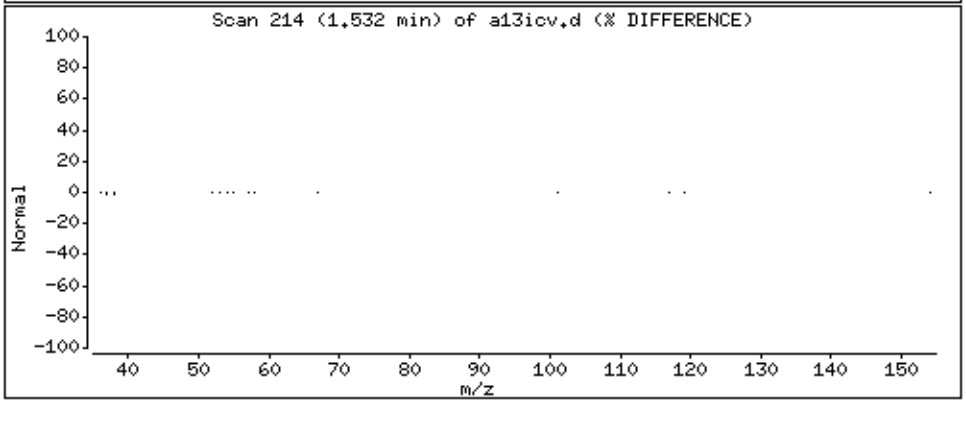












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

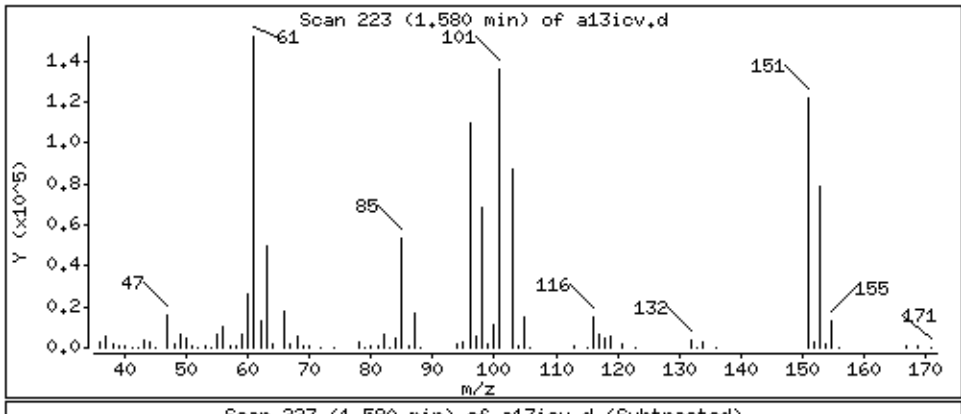
Operator: ala

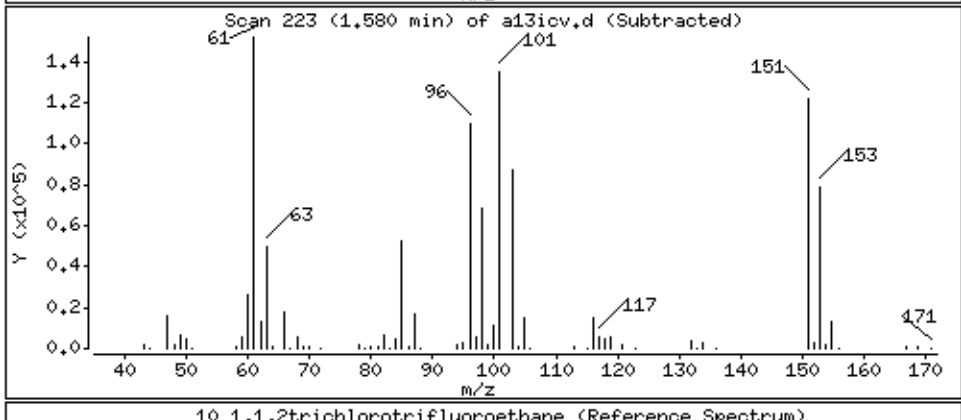
Column phase: DB-624

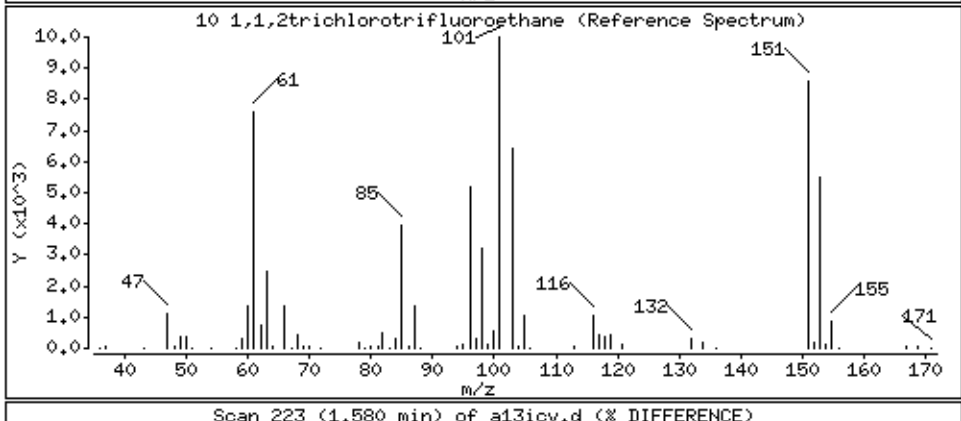
Column diameter: 0.18

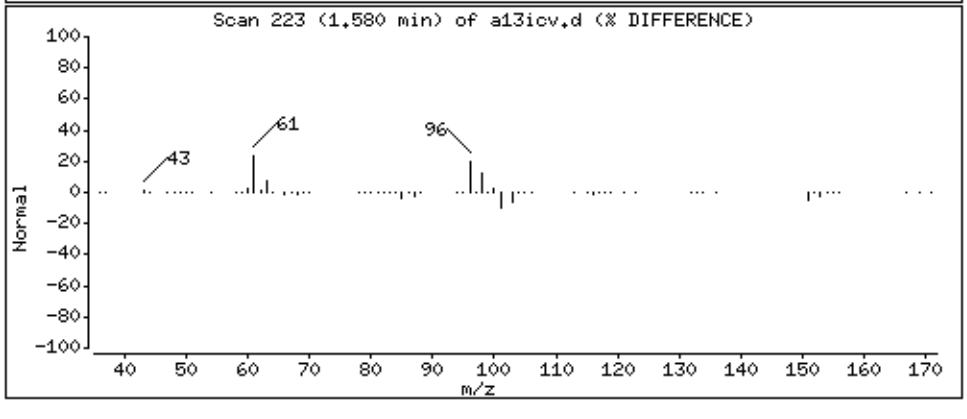
10 1,1,2trichlorotrifluoroethane

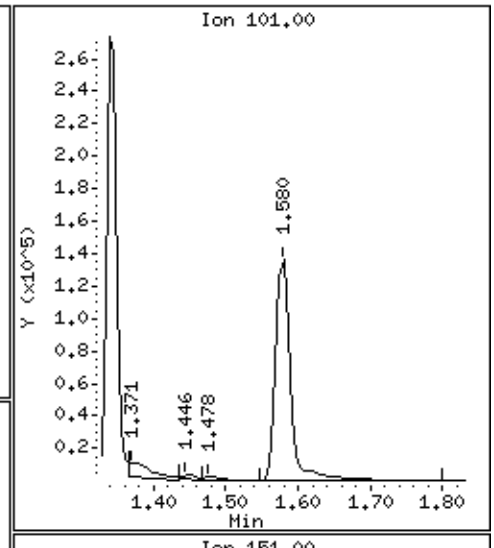
Concentration: 43.4 ppb

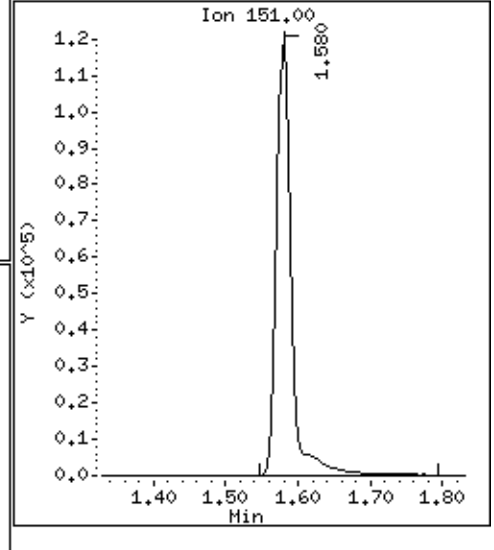












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

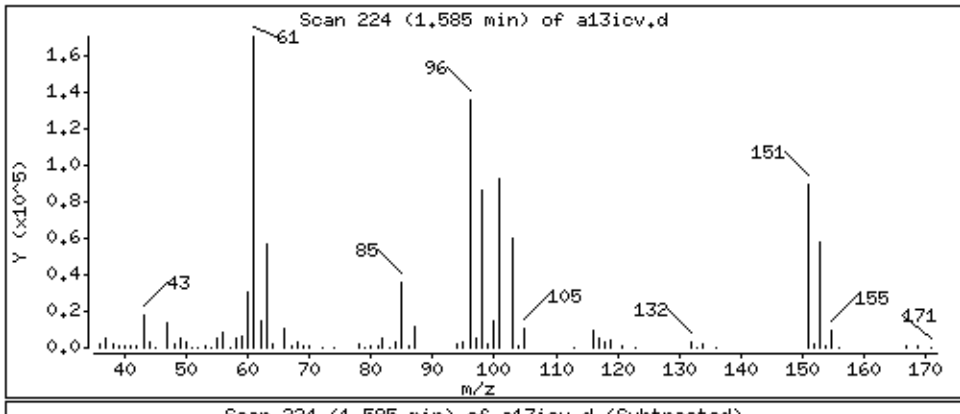
Operator: ala

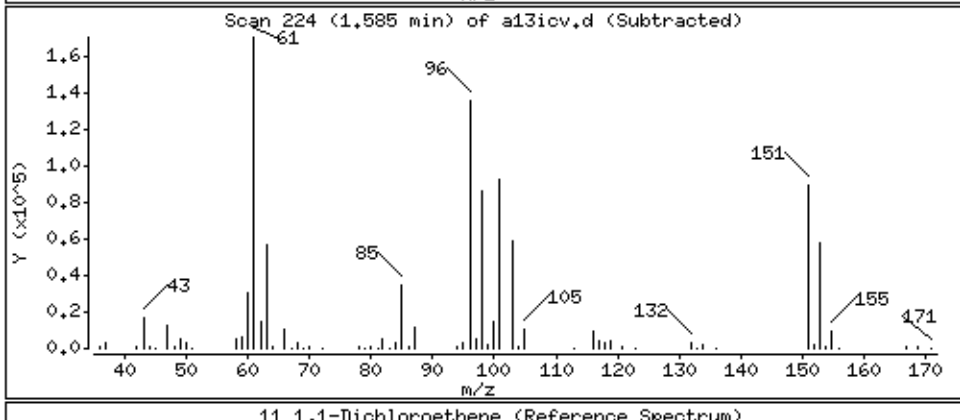
Column phase: DB-624

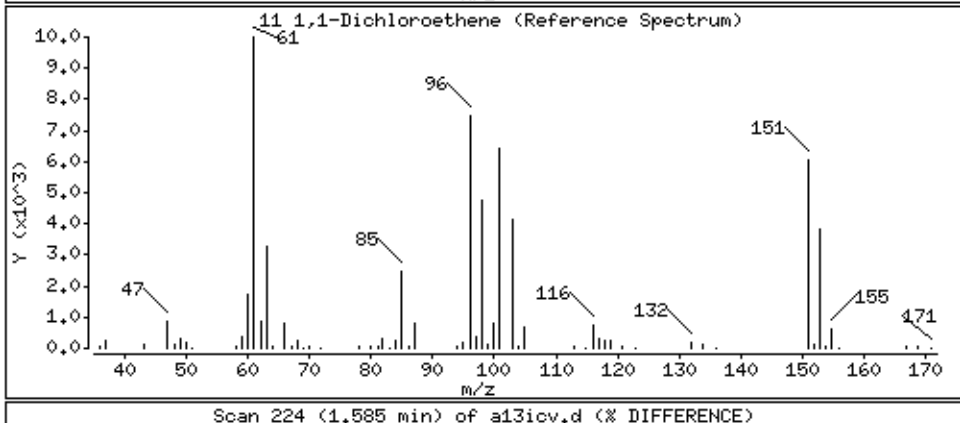
Column diameter: 0.18

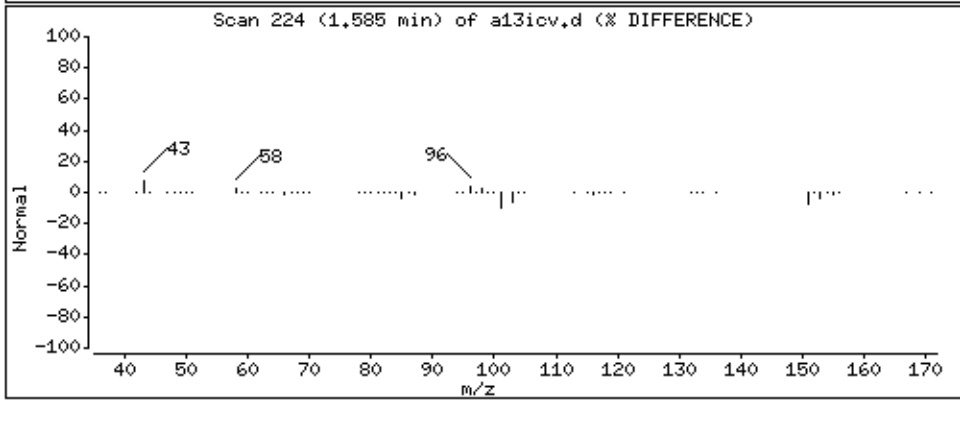
11 1,1-Dichloroethene

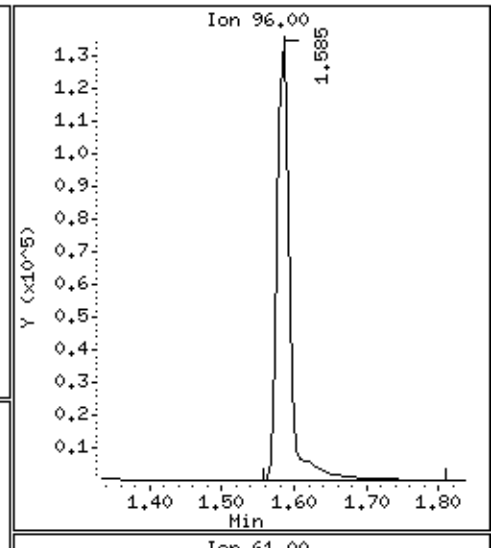
Concentration: 47.1 ppb

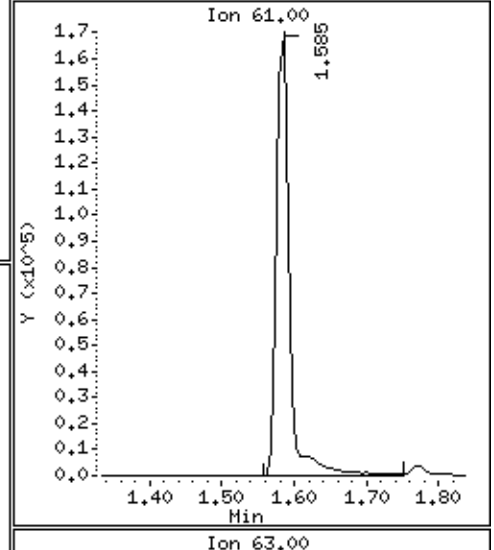


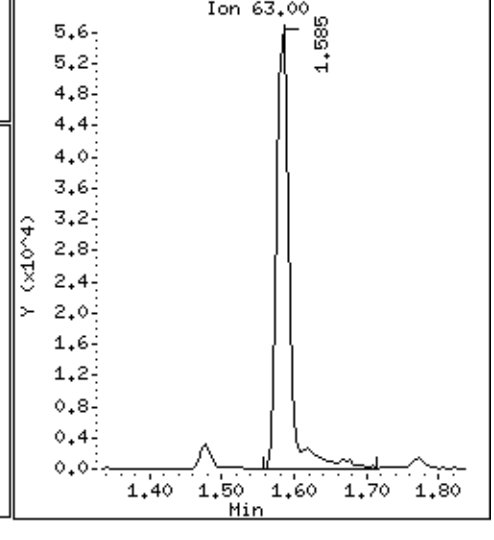












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

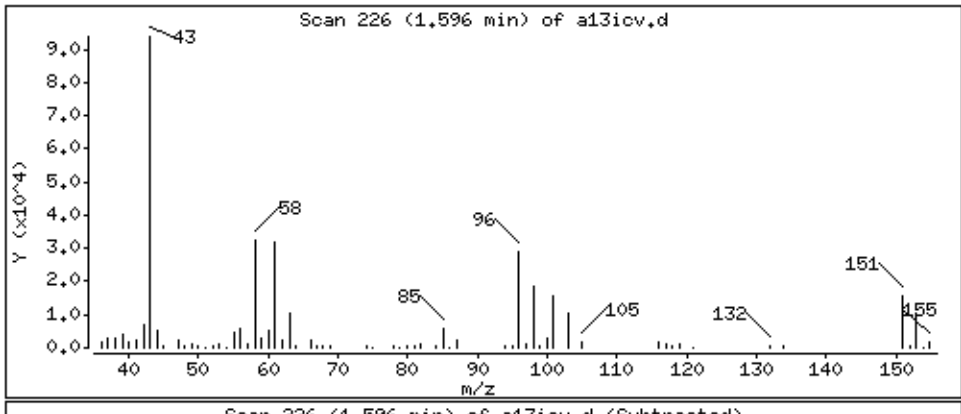
Operator: ala

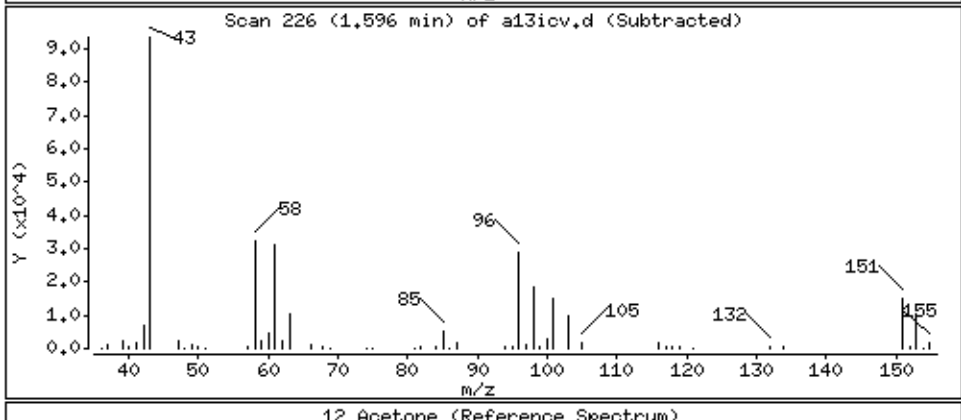
Column phase: DB-624

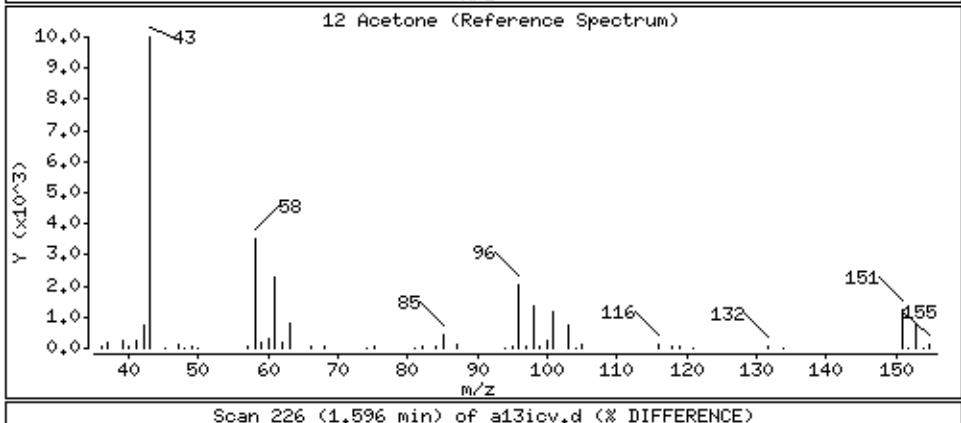
Column diameter: 0.18

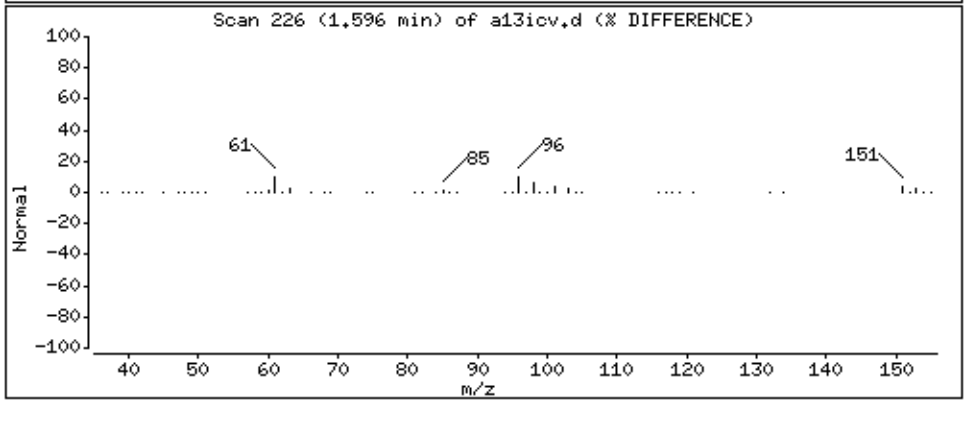
12 Acetone

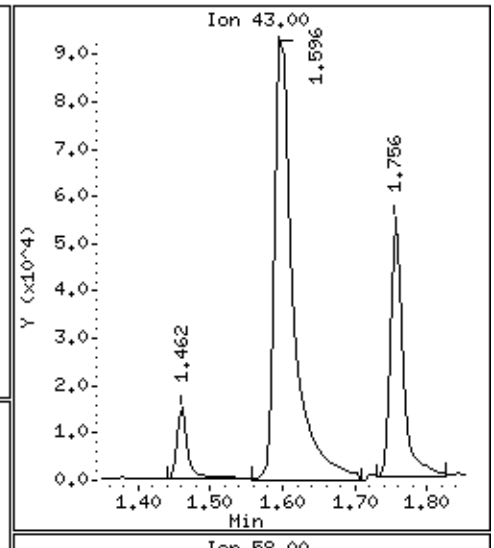
Concentration: 272 ppb

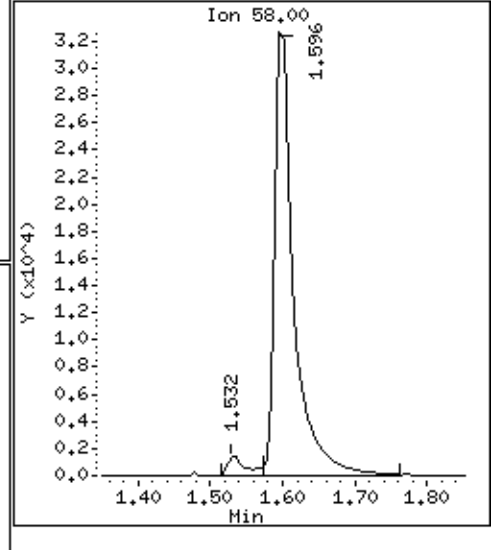












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

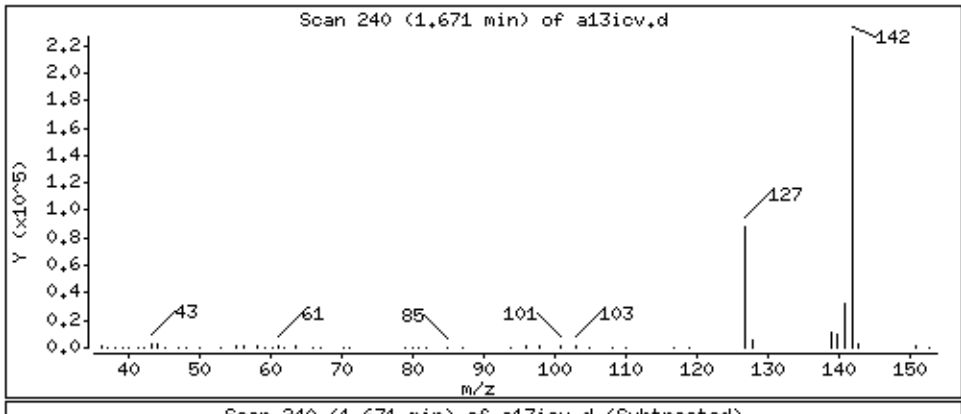
Operator: ala

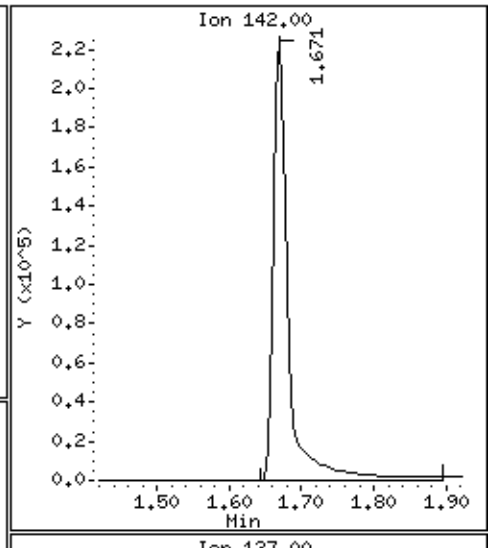
Column phase: DB-624

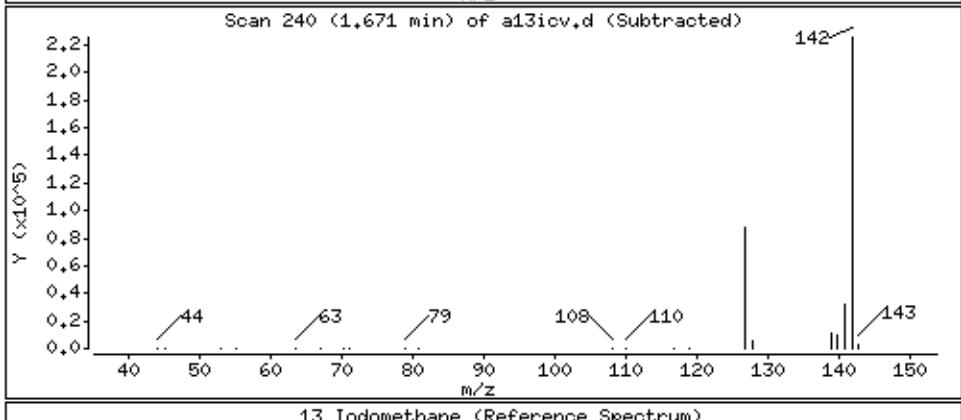
Column diameter: 0.18

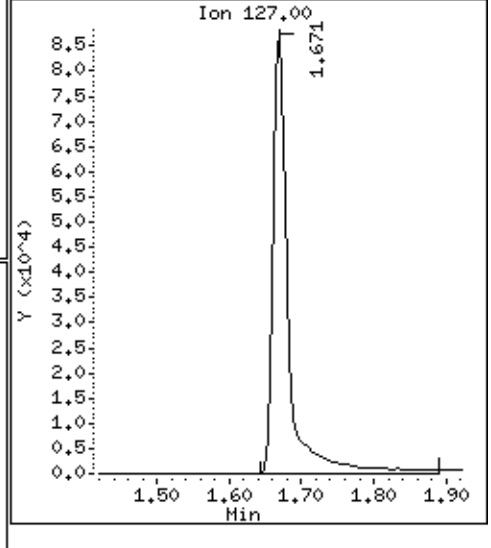
13 Iodomethane

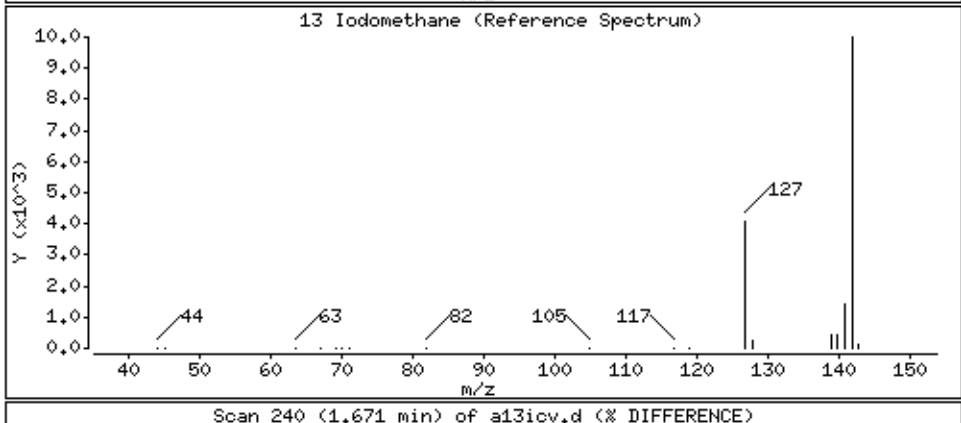
Concentration: 69.4 ppb

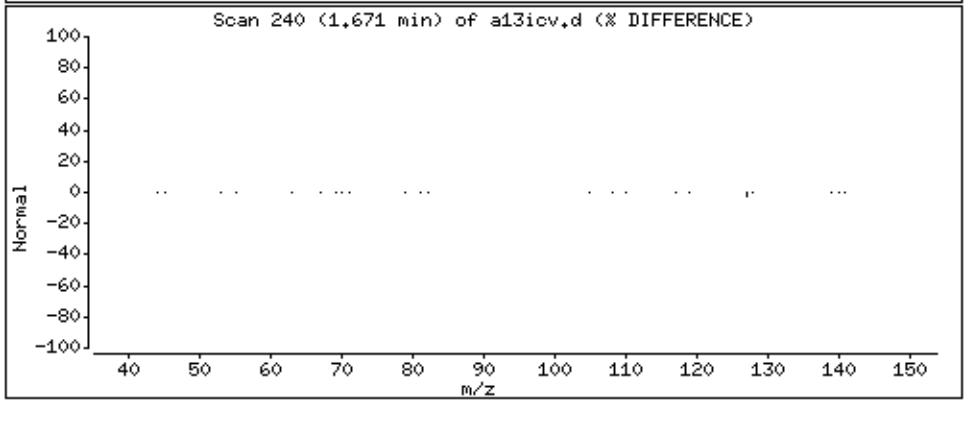












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

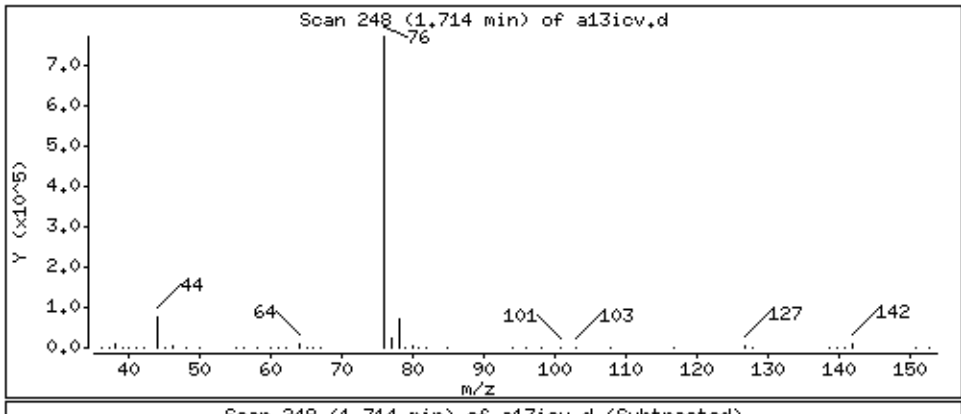
Operator: ala

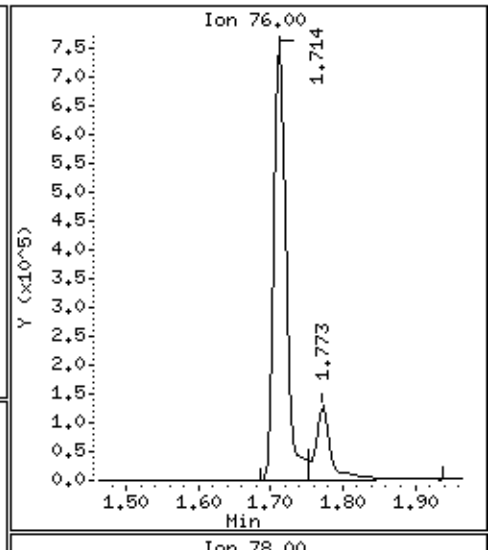
Column phase: DB-624

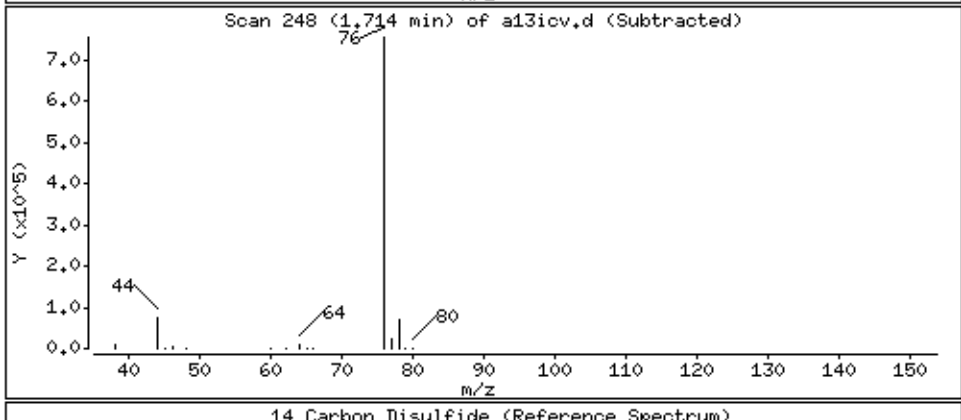
Column diameter: 0.18

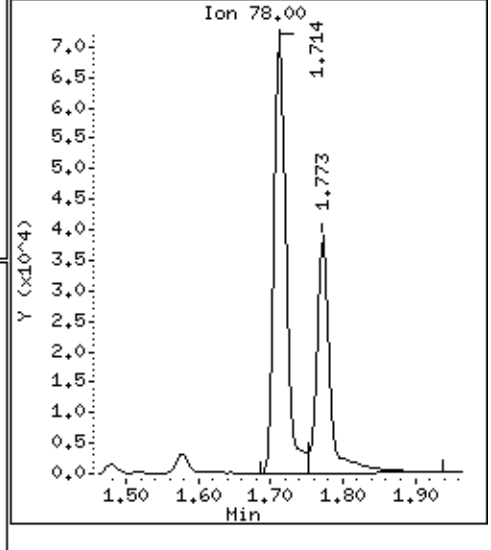
14 Carbon Disulfide

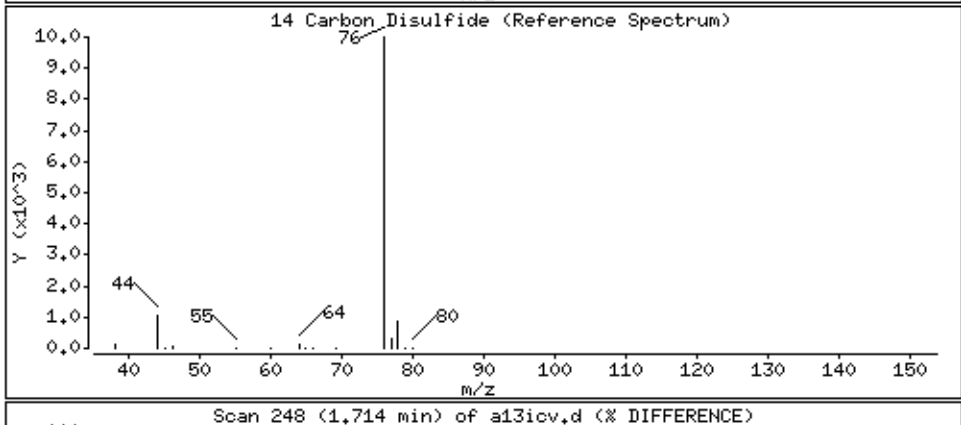
Concentration: 91.1 ppb

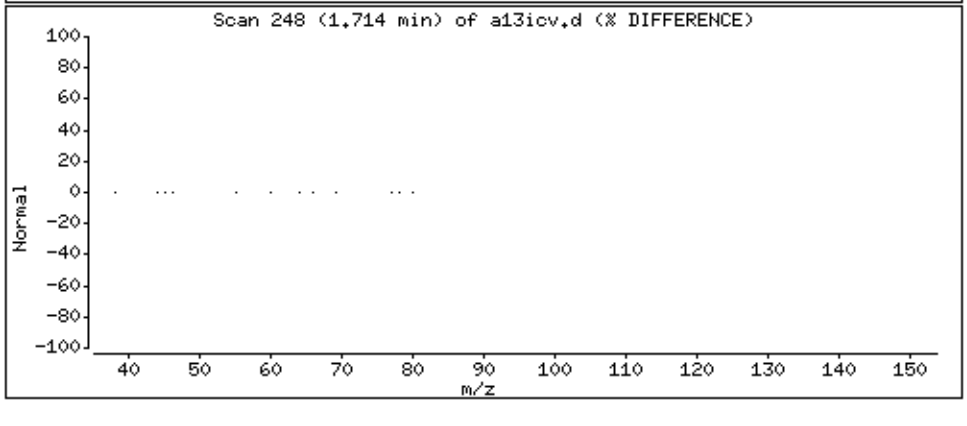












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

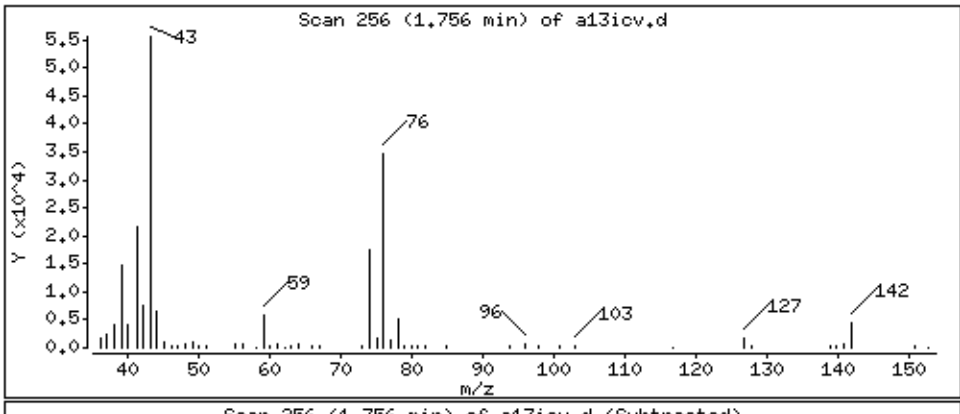
Operator: ala

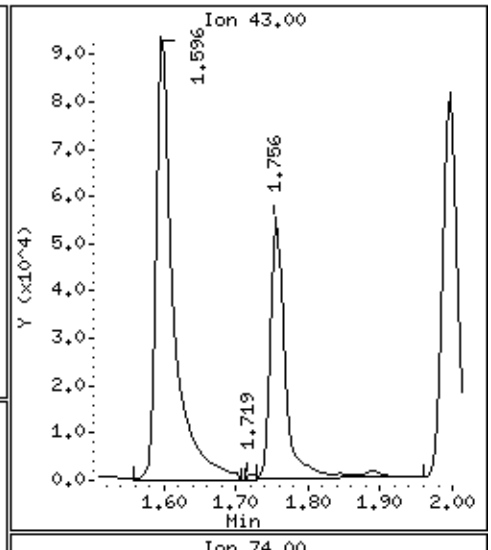
Column phase: DB-624

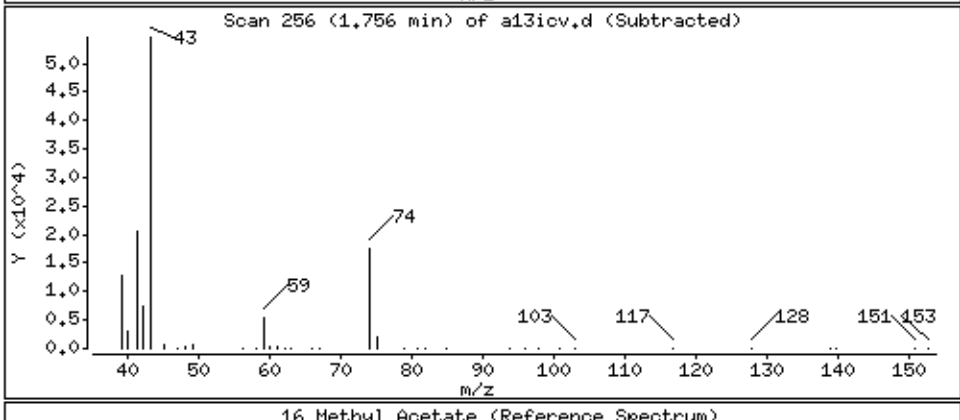
Column diameter: 0.18

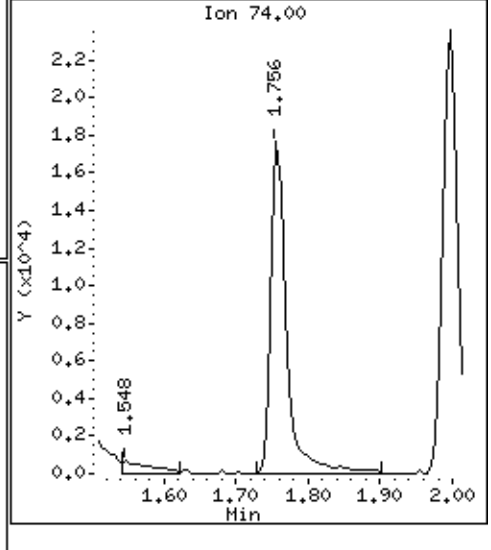
16 Methyl Acetate

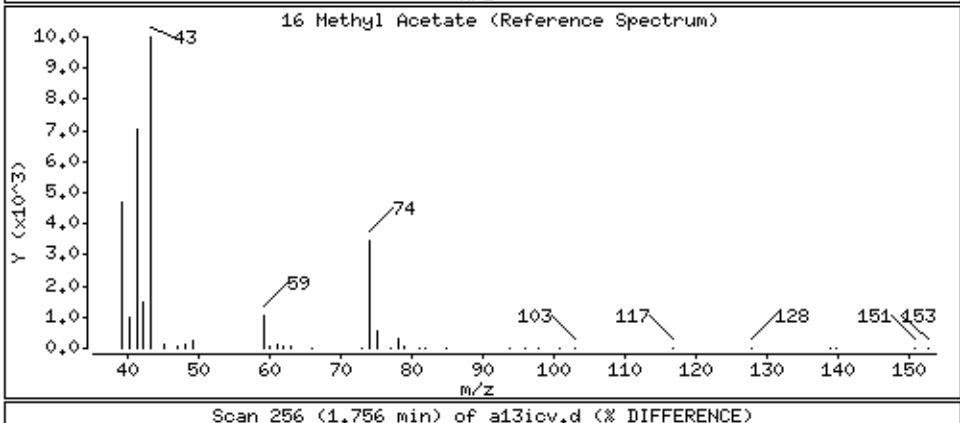
Concentration: 51.0 ppb

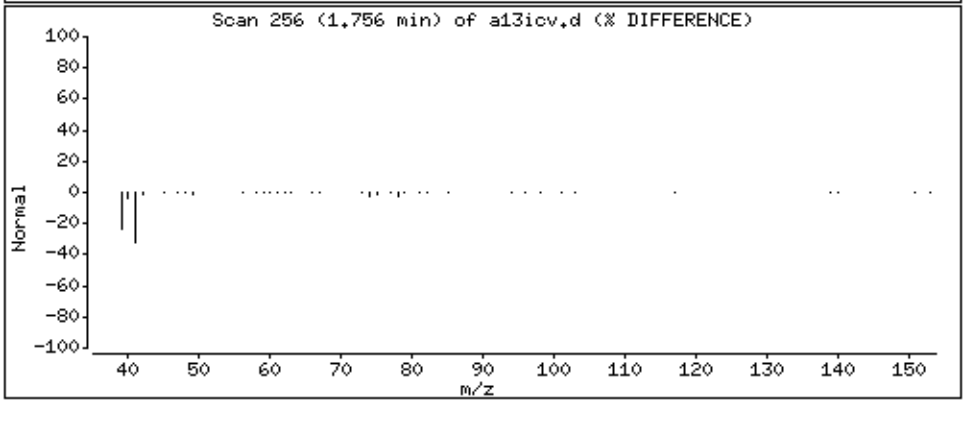












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

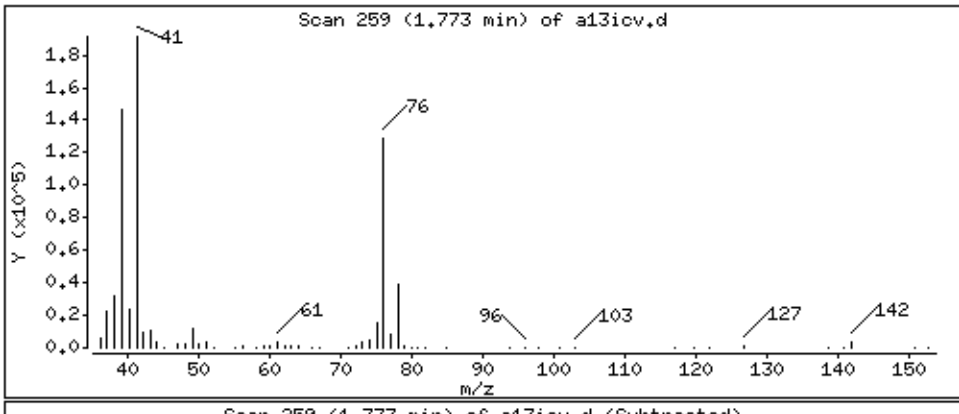
Operator: ala

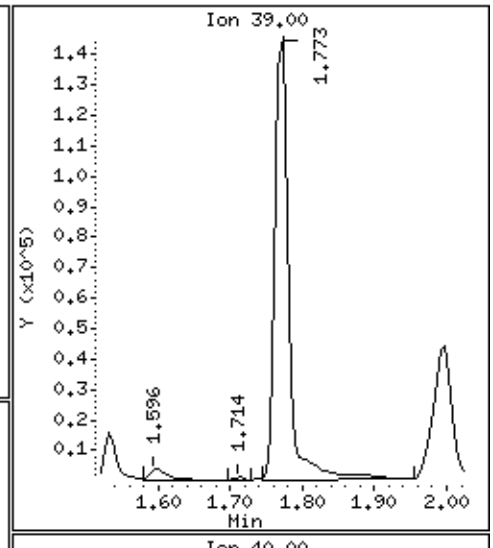
Column phase: DB-624

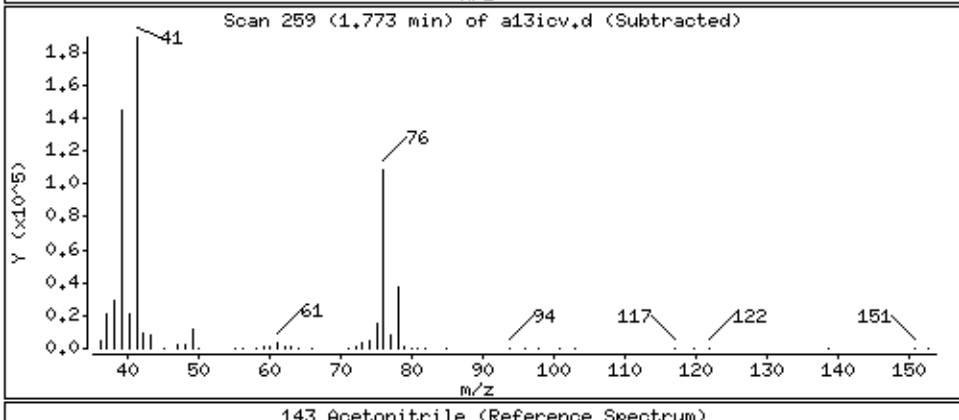
Column diameter: 0.18

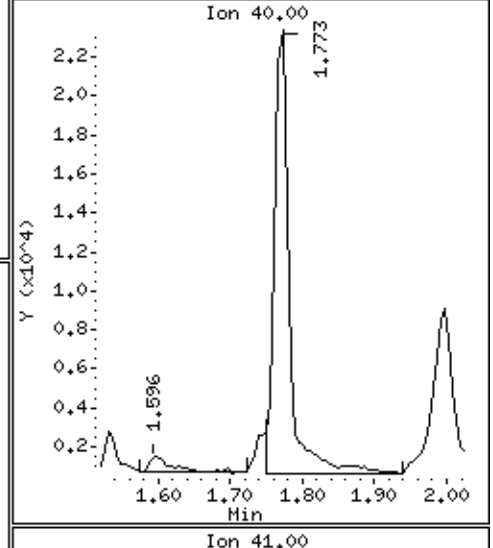
143 Acetonitrile

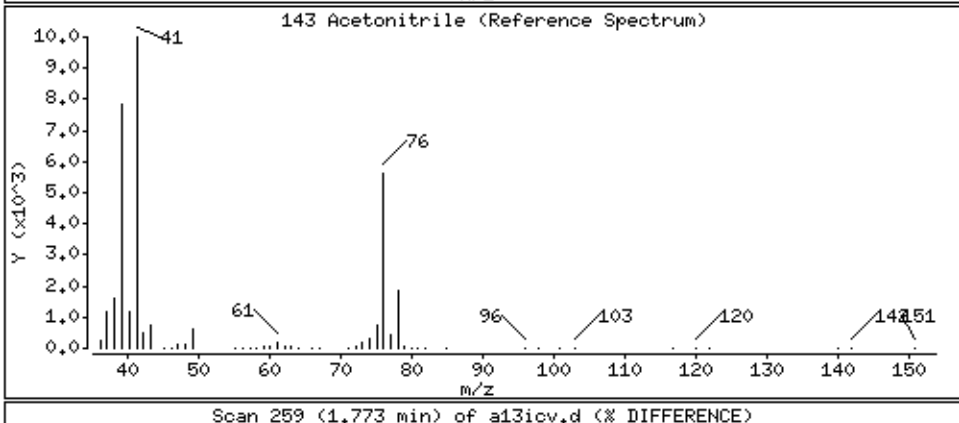
Concentration: 39.3 ppb

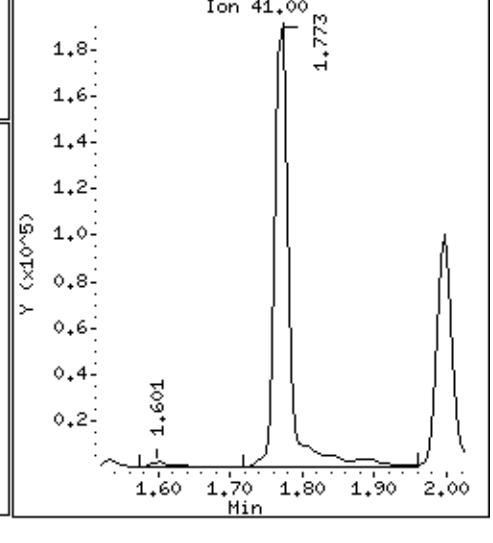


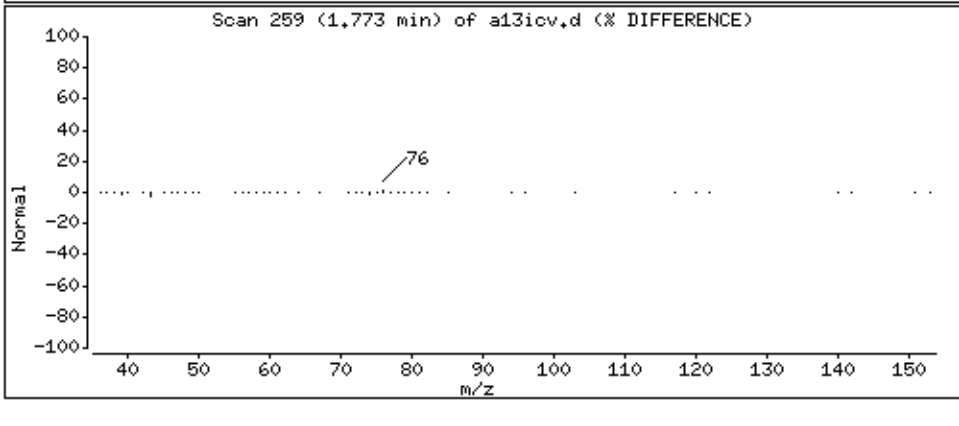












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

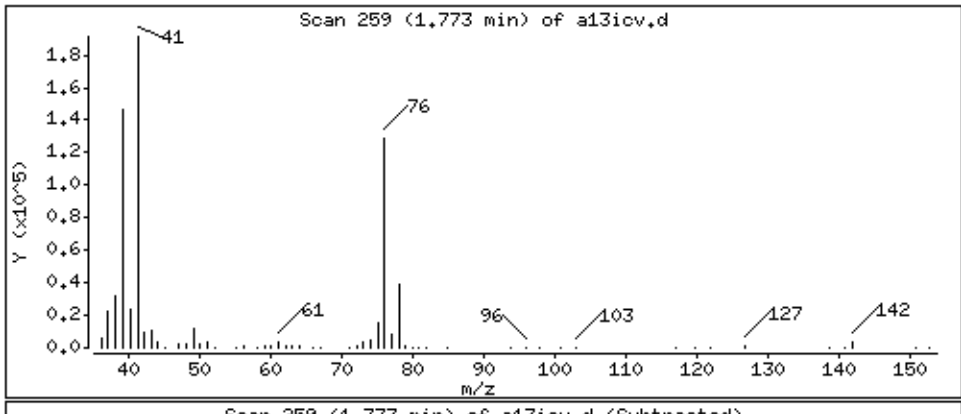
Operator: ala

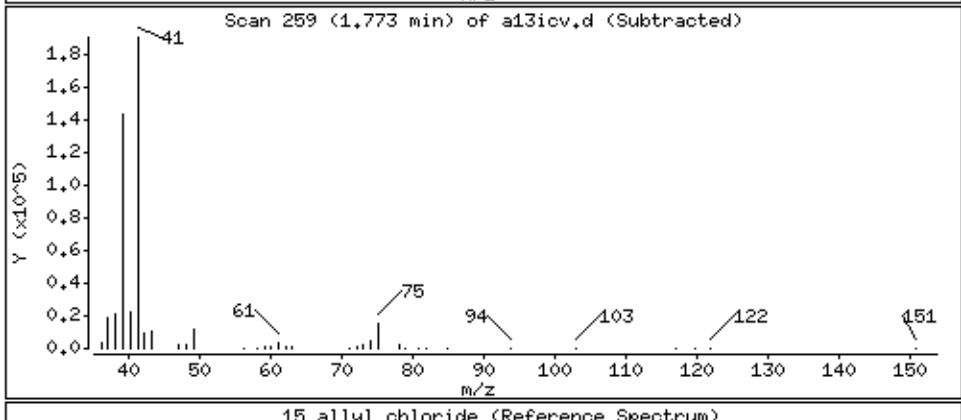
Column phase: DB-624

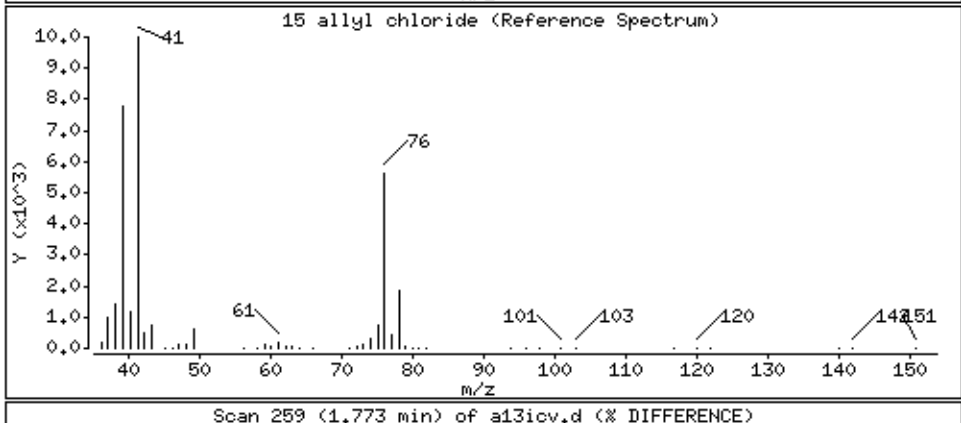
Column diameter: 0.18

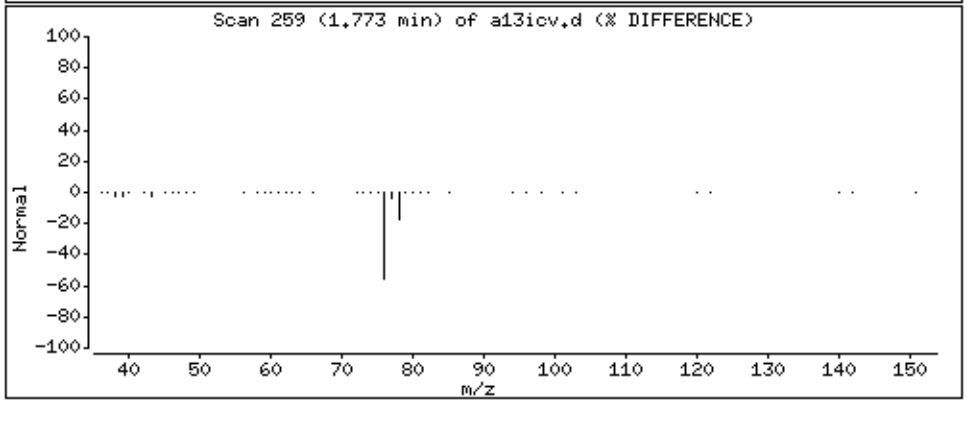
15 allyl chloride

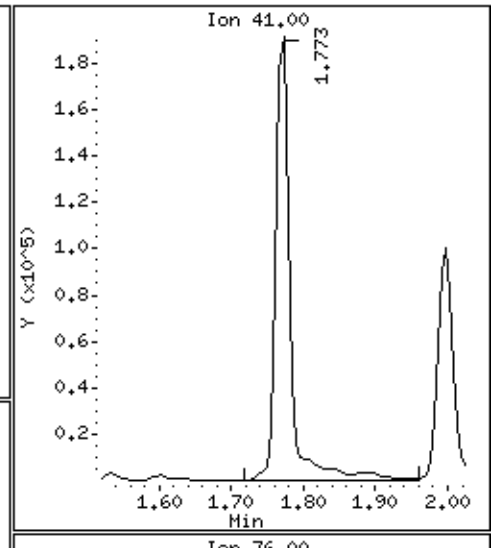
Concentration: 82.1 ppb

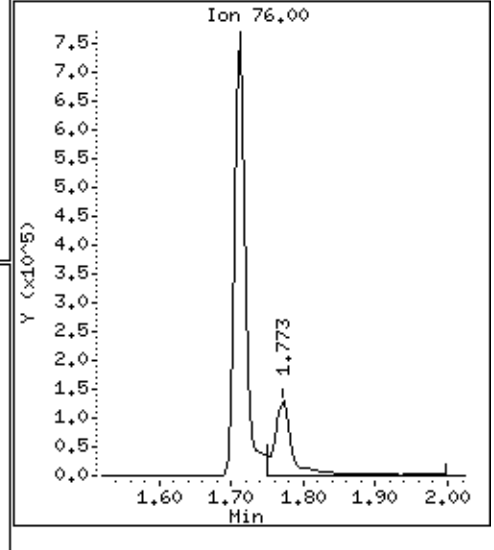












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

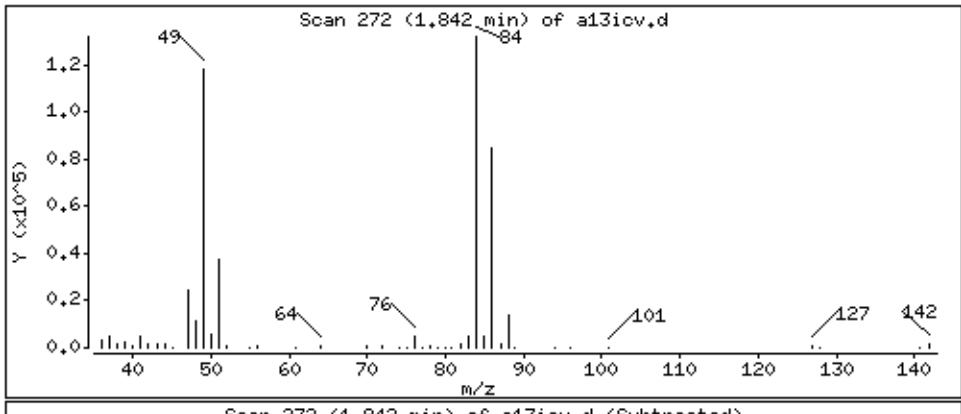
Operator: ala

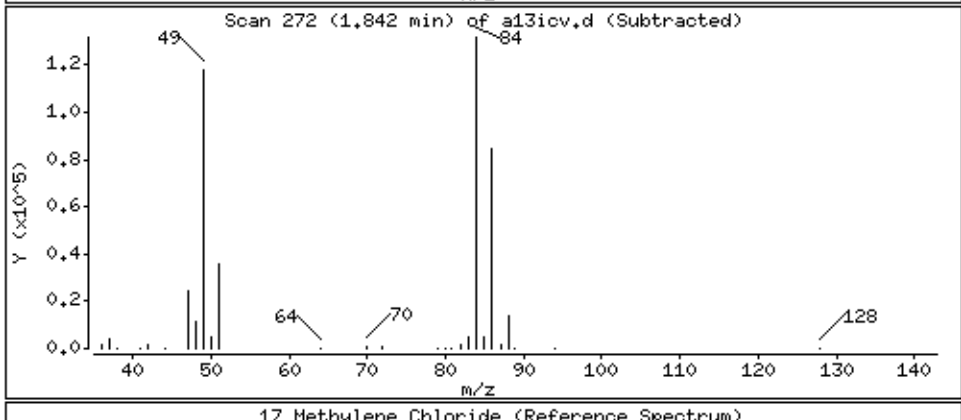
Column phase: DB-624

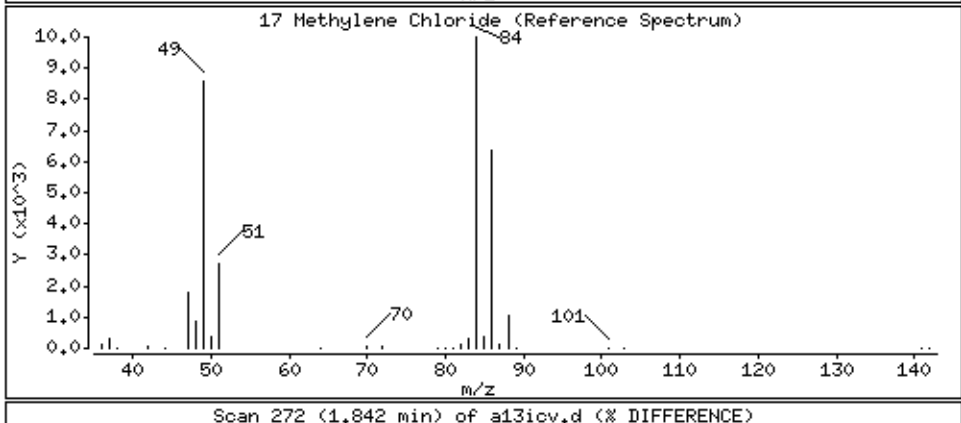
Column diameter: 0.18

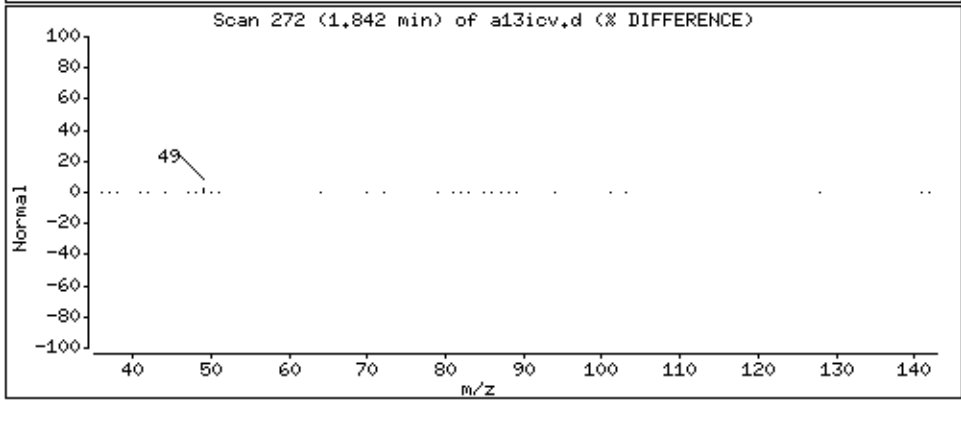
17 Methylene Chloride

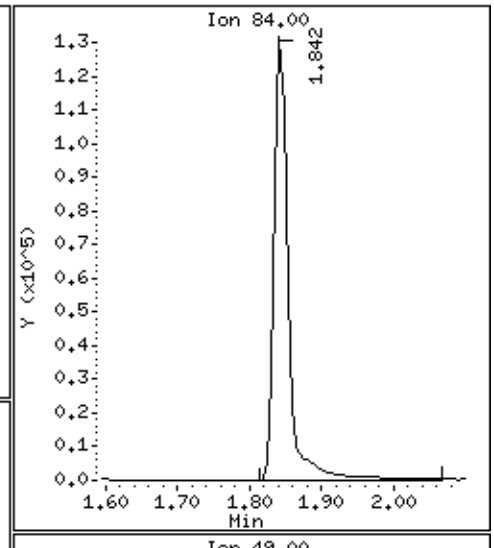
Concentration: 47.0 ppb

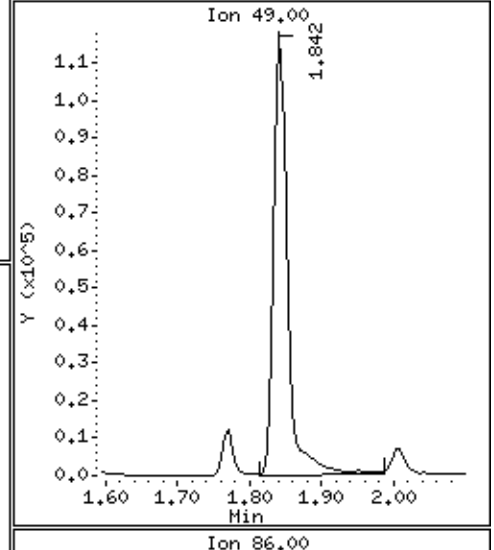


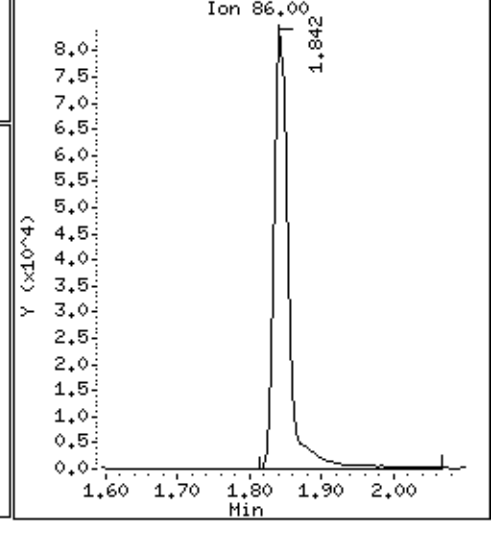












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

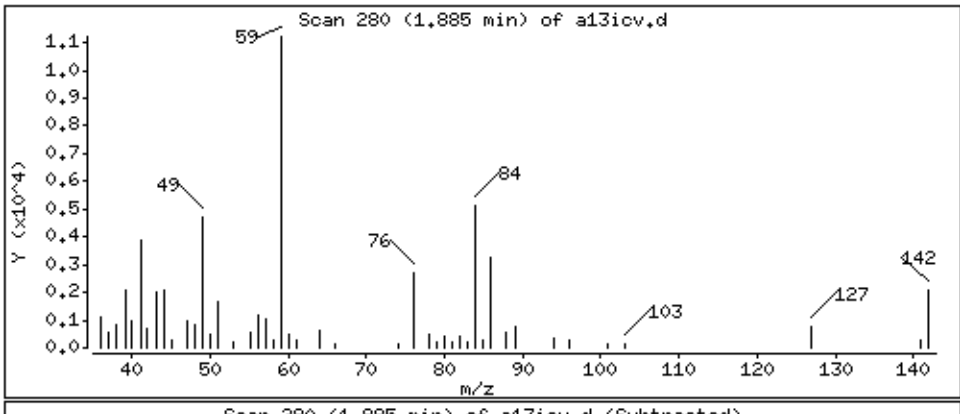
Operator: ala

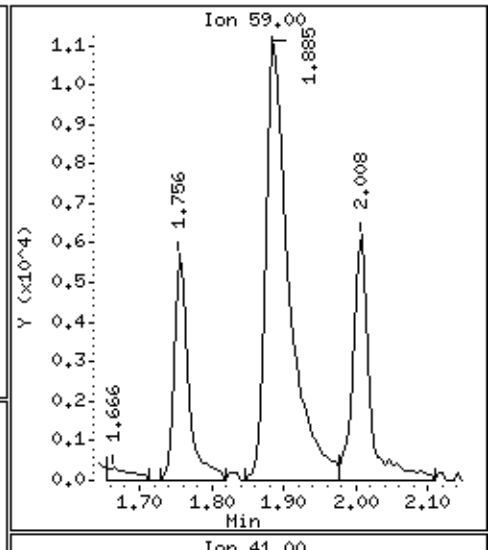
Column phase: DB-624

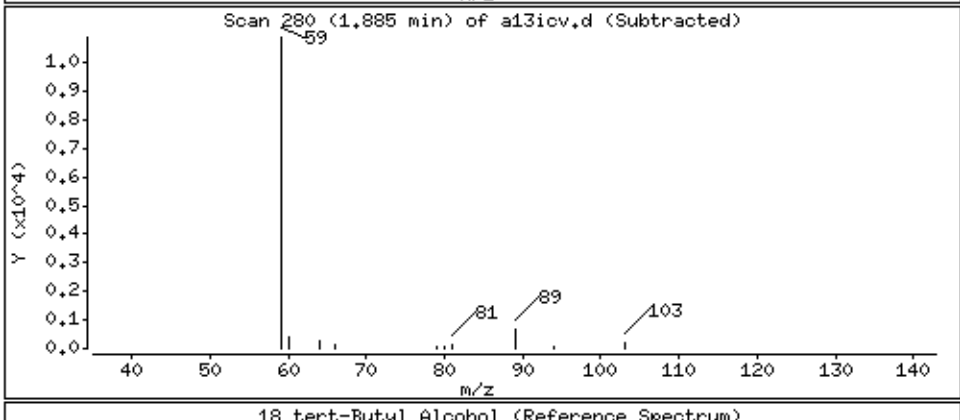
Column diameter: 0.18

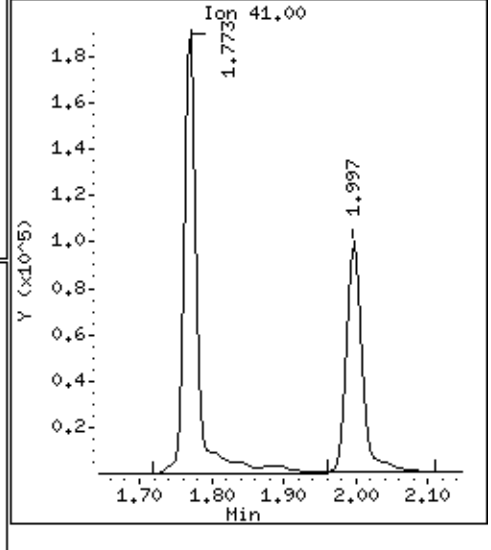
18 tert-Butyl Alcohol

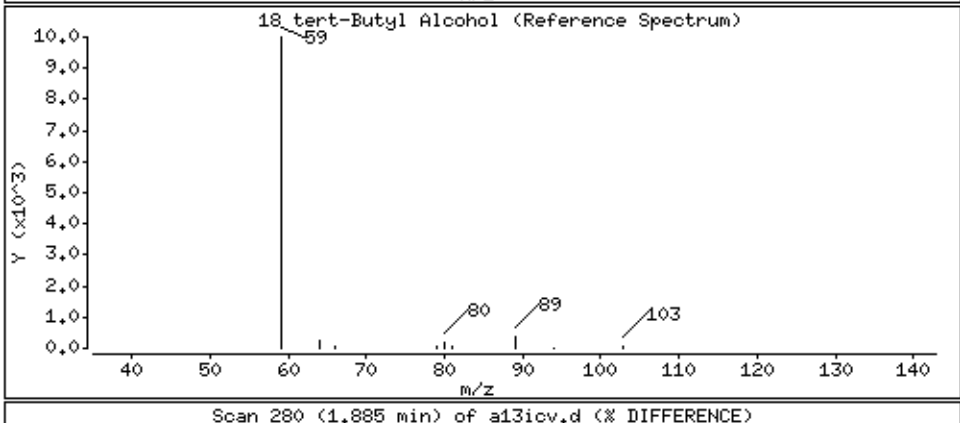
Concentration: 77.2 ppb

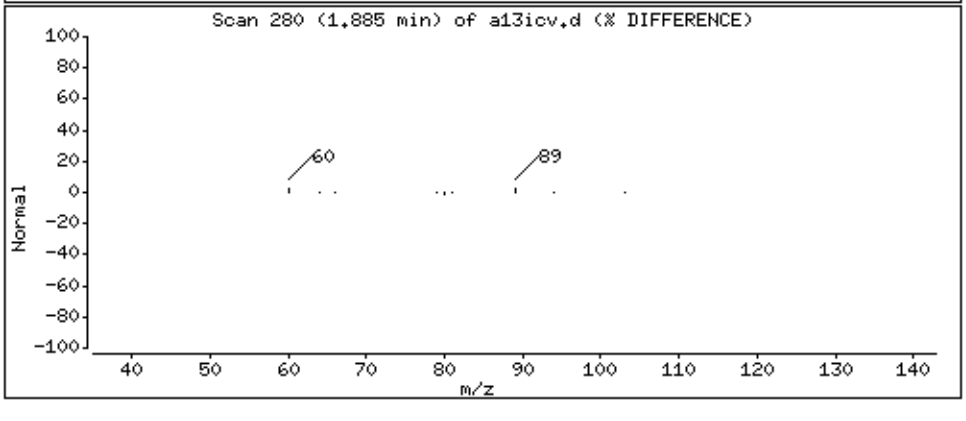












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

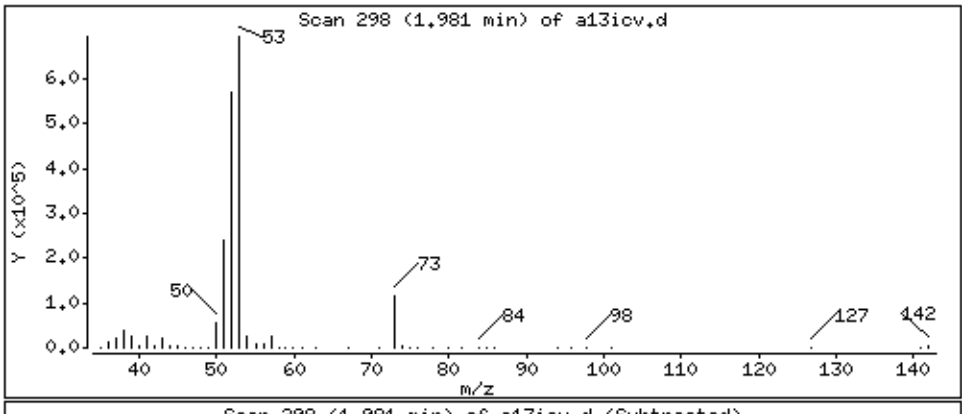
Operator: ala

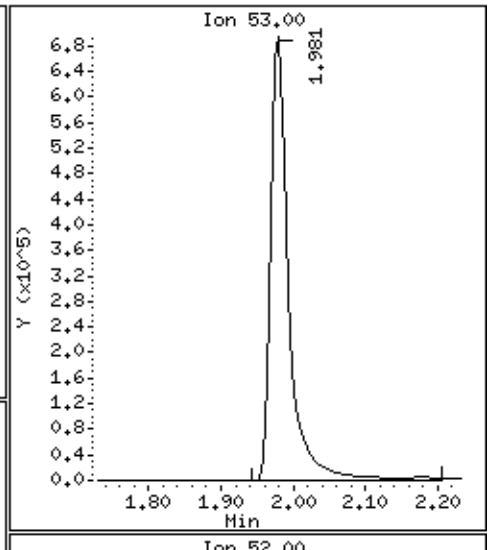
Column phase: DB-624

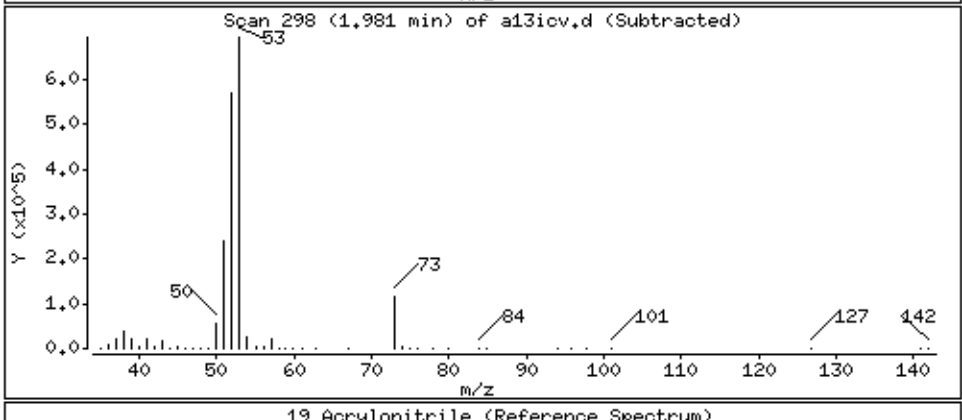
Column diameter: 0.18

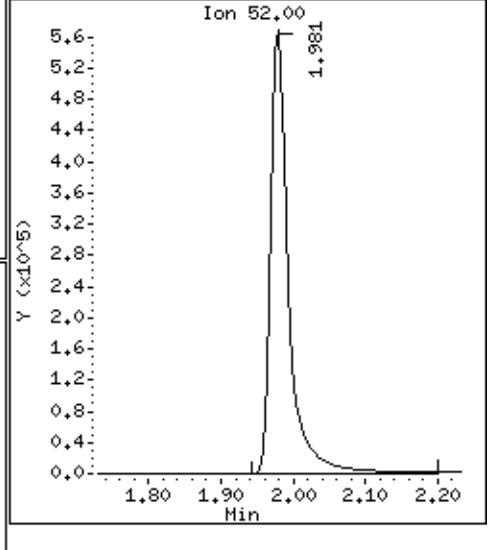
19 Acrylonitrile

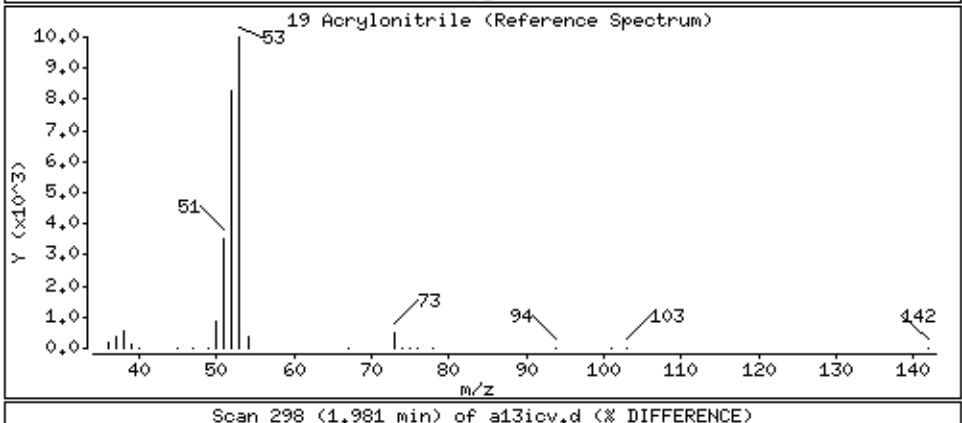
Concentration: 759 ppb

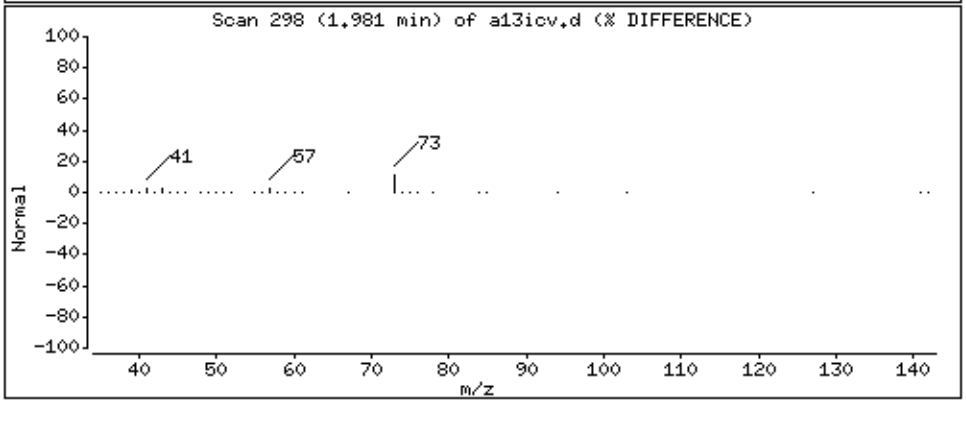












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

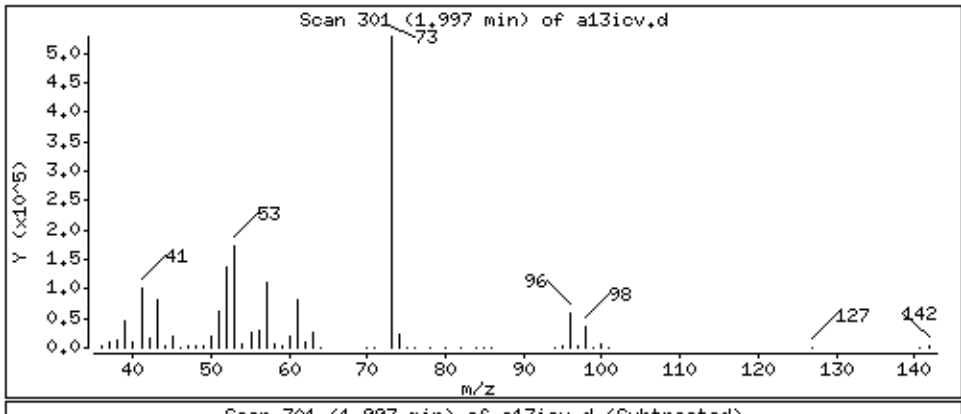
Operator: ala

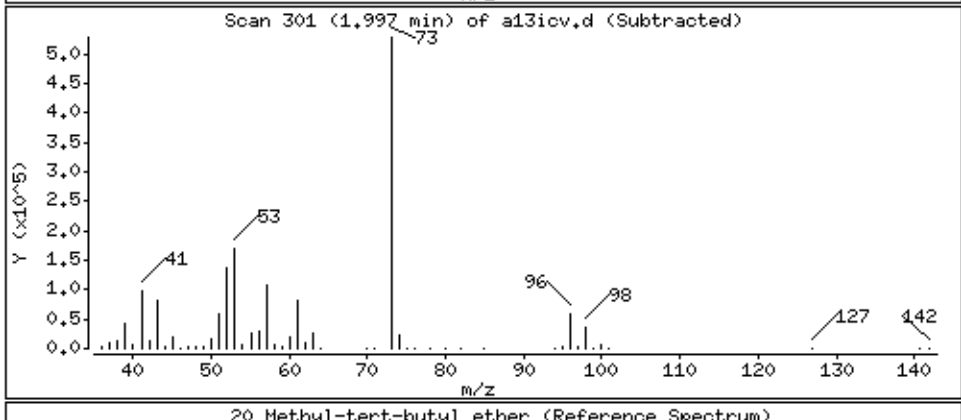
Column phase: DB-624

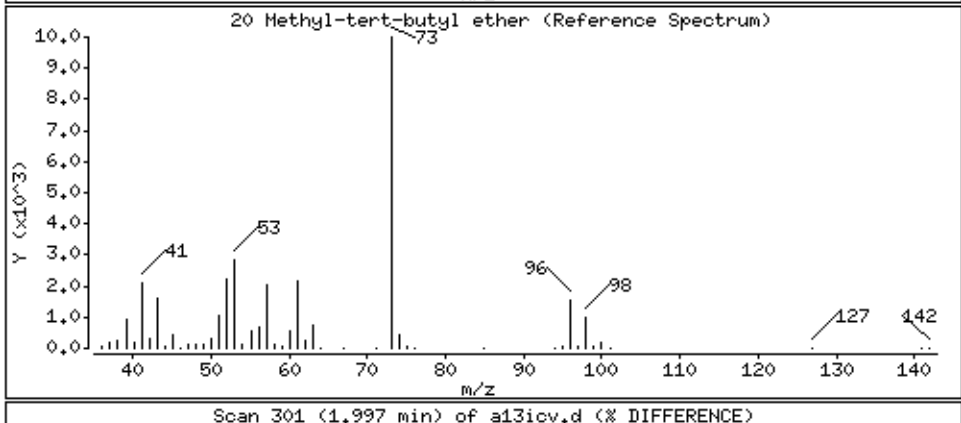
Column diameter: 0.18

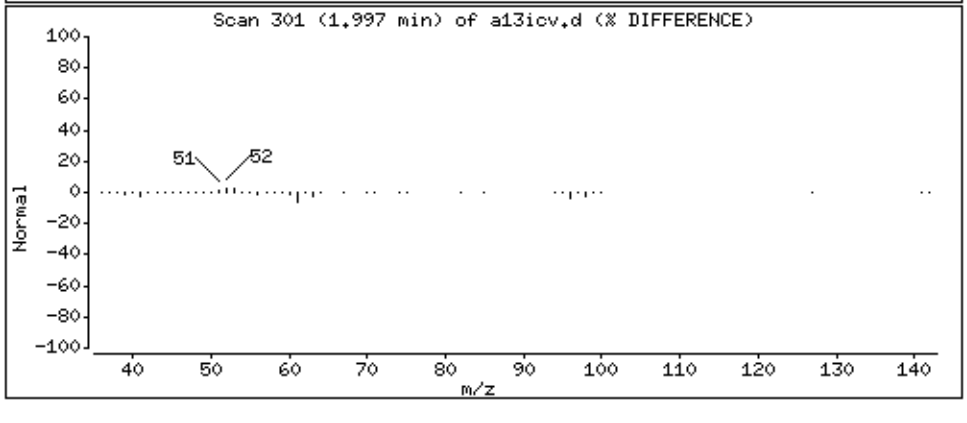
20 Methyl-tert-butyl ether

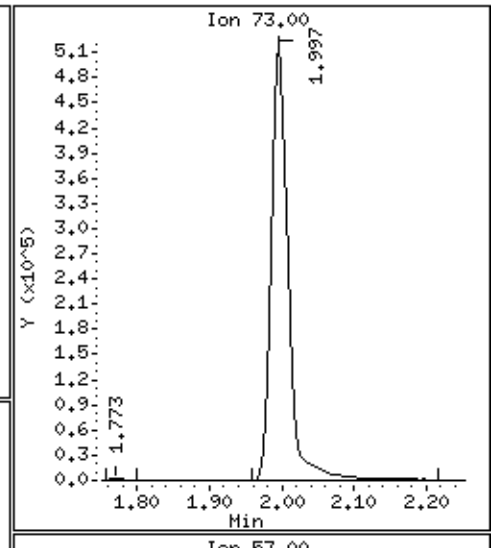
Concentration: 91.6 ppb

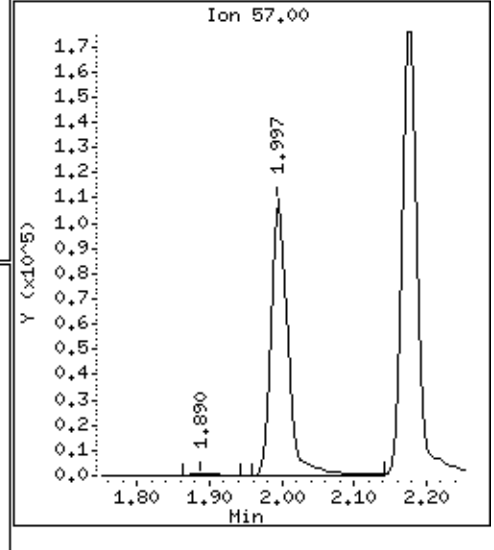












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

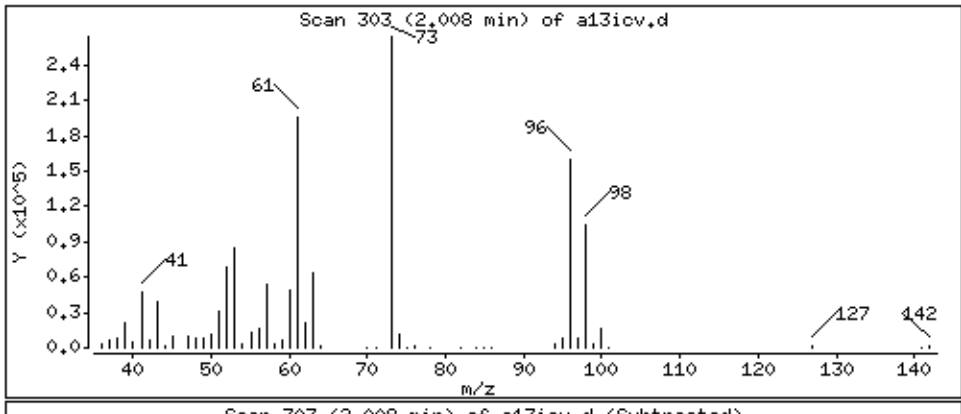
Operator: ala

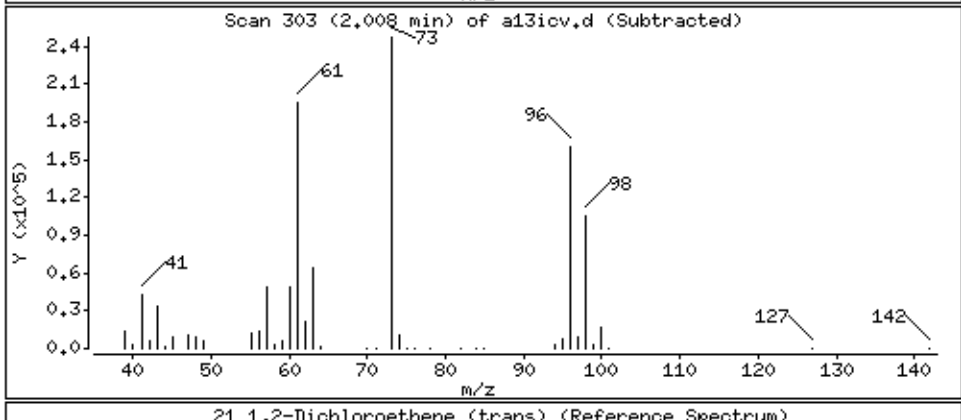
Column phase: DB-624

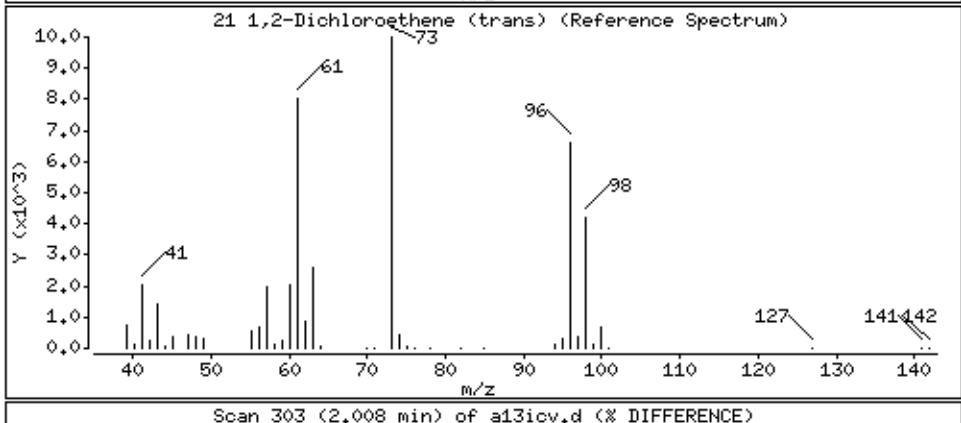
Column diameter: 0.18

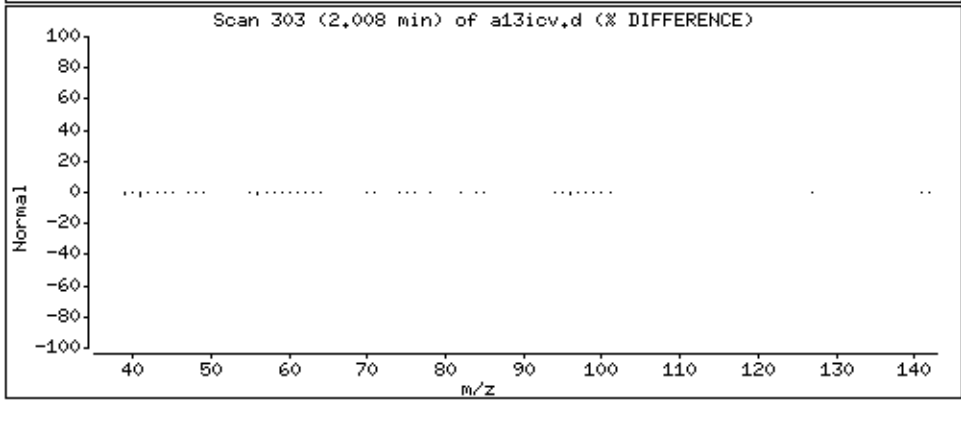
21 1,2-Dichloroethene (trans)

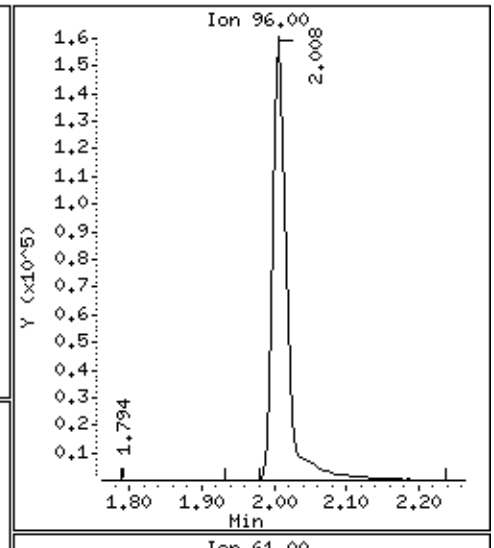
Concentration: 40.7 ppb

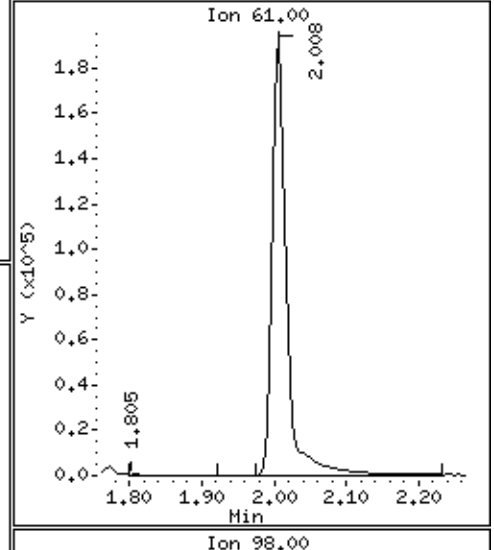


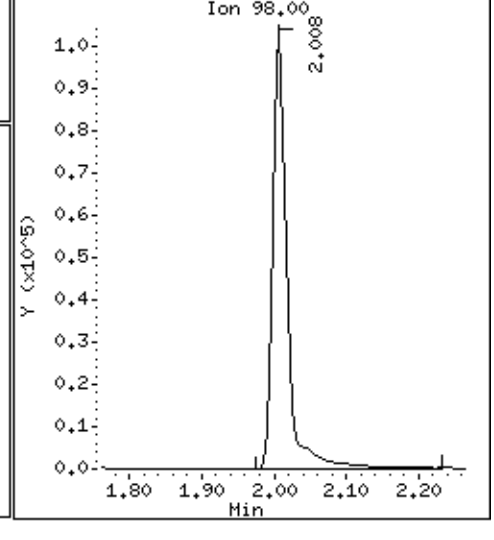












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

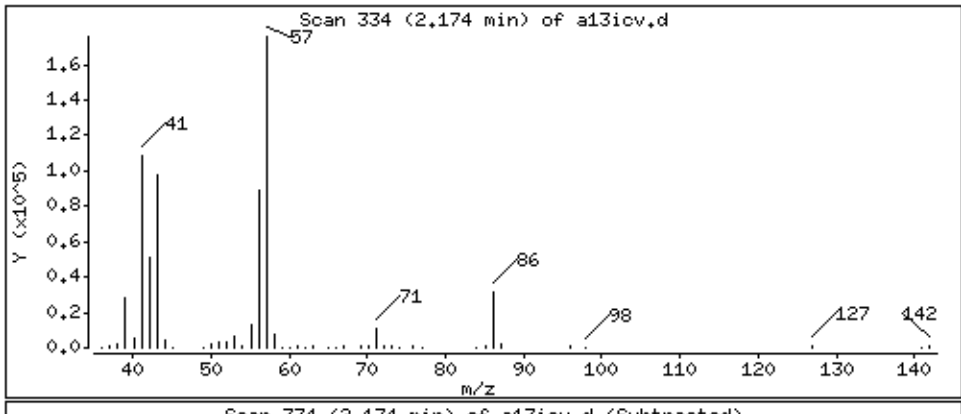
Operator: ala

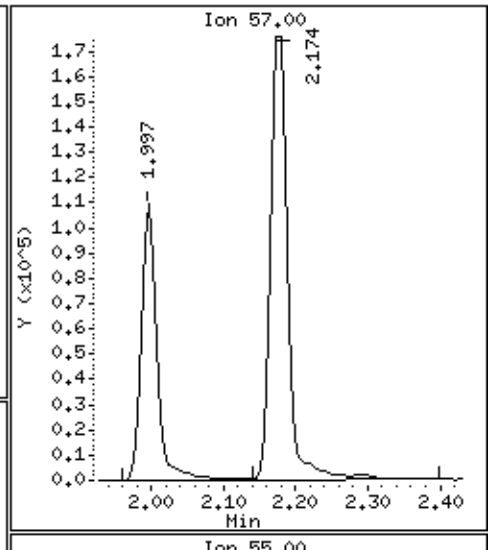
Column phase: DB-624

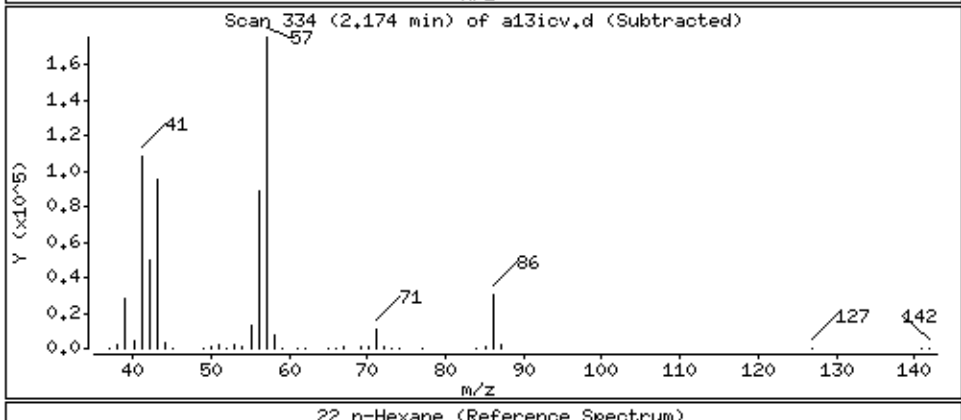
Column diameter: 0.18

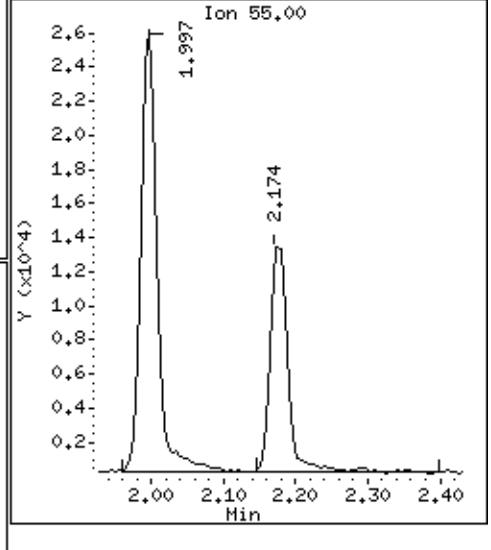
22 n-Hexane

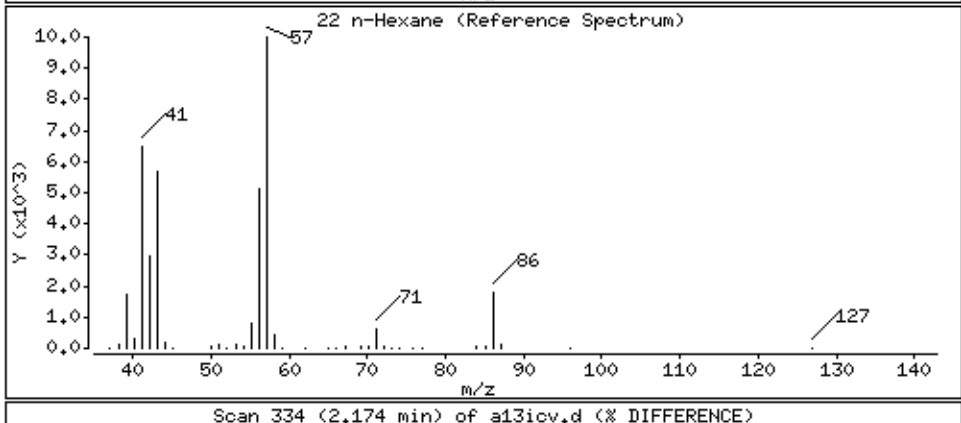
Concentration: 44.4 ppb

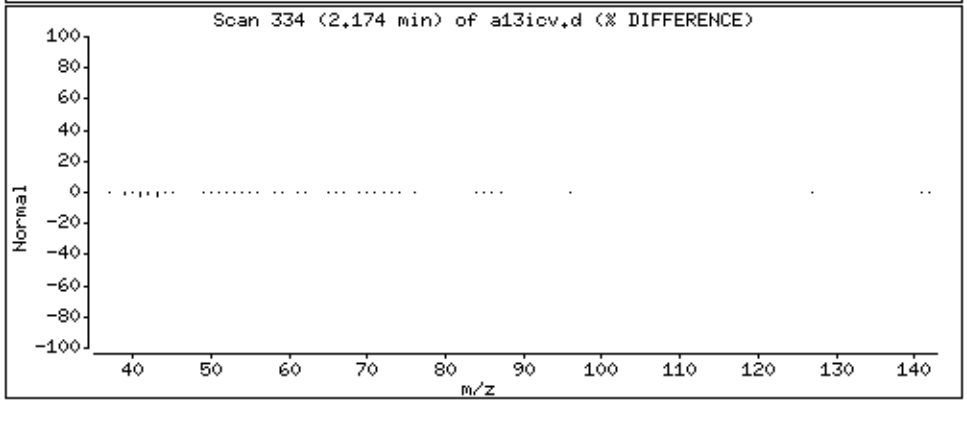












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

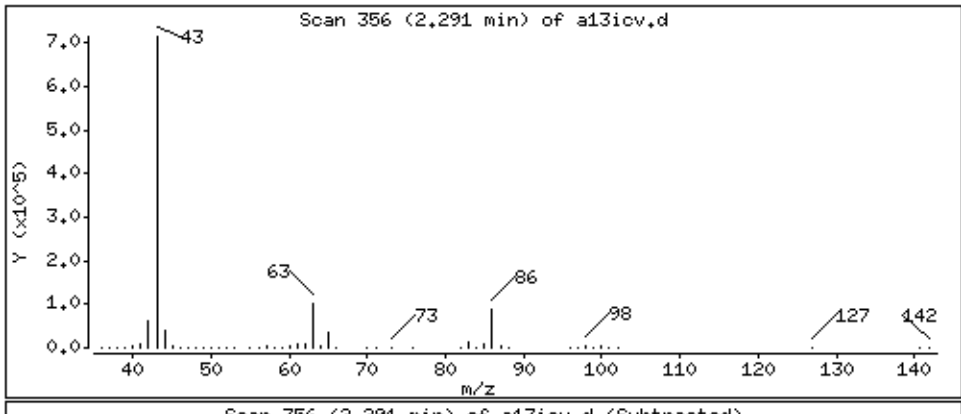
Operator: ala

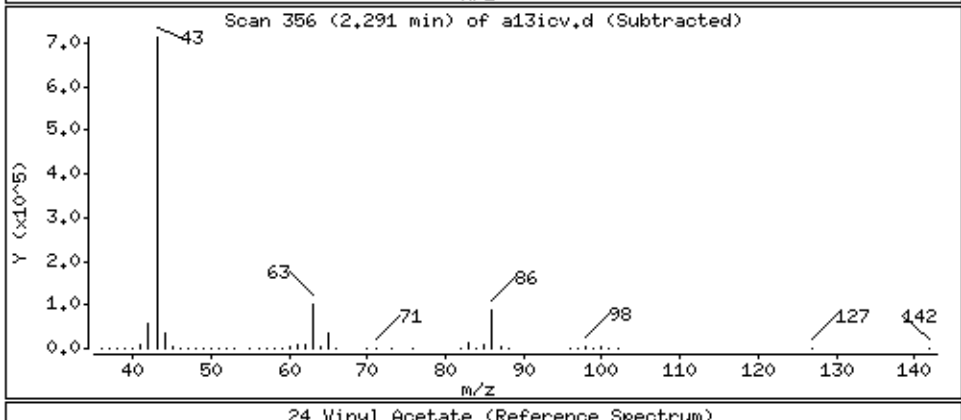
Column phase: DB-624

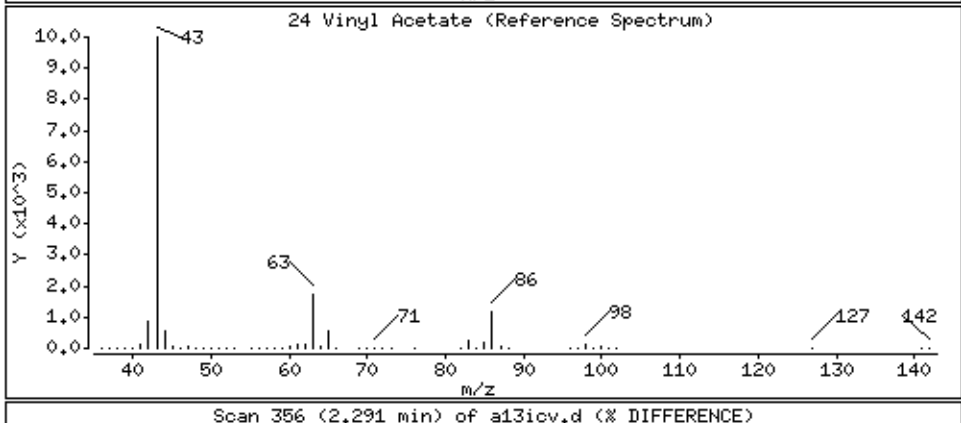
Column diameter: 0.18

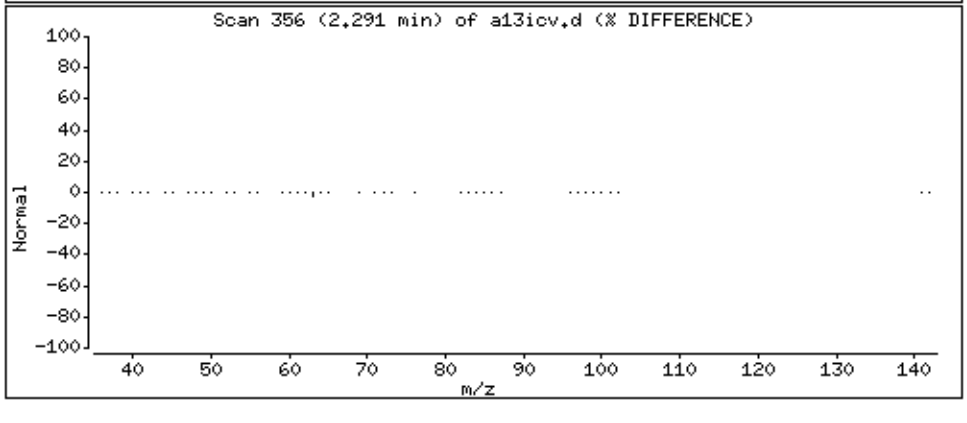
24 Vinyl Acetate

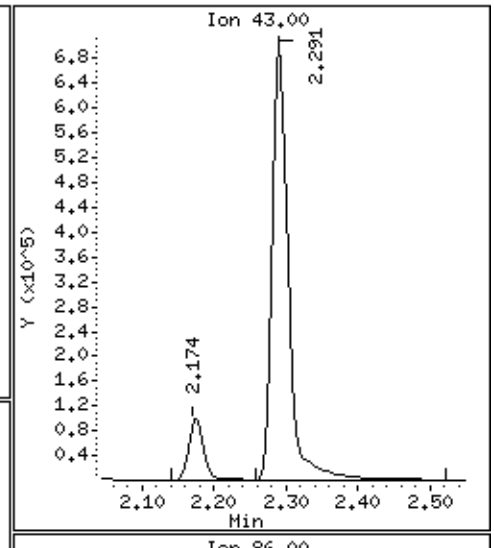
Concentration: 219 ppb

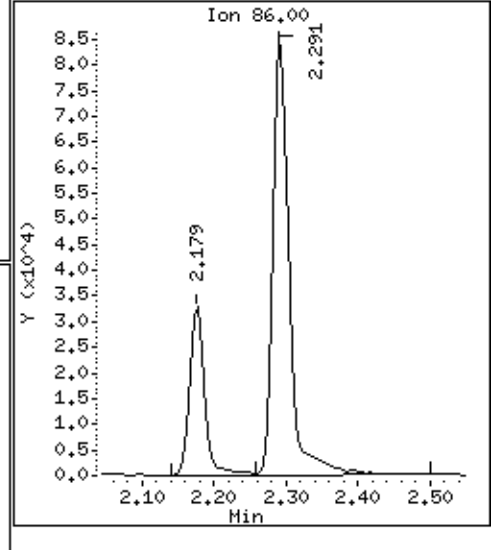












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

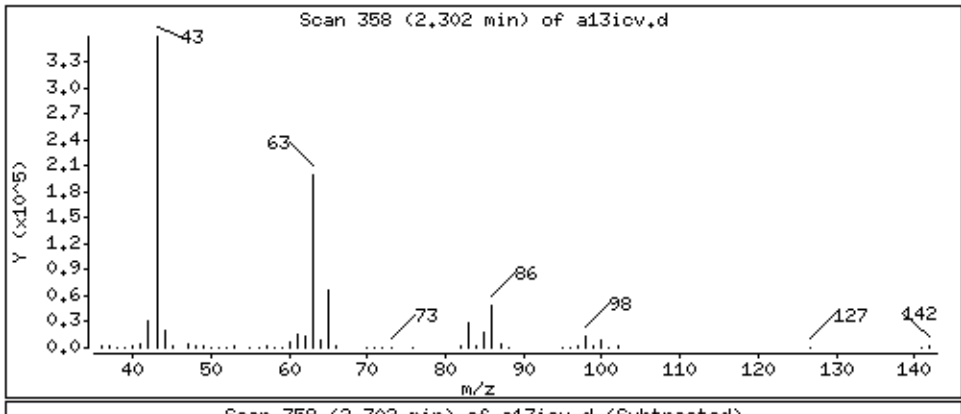
Operator: ala

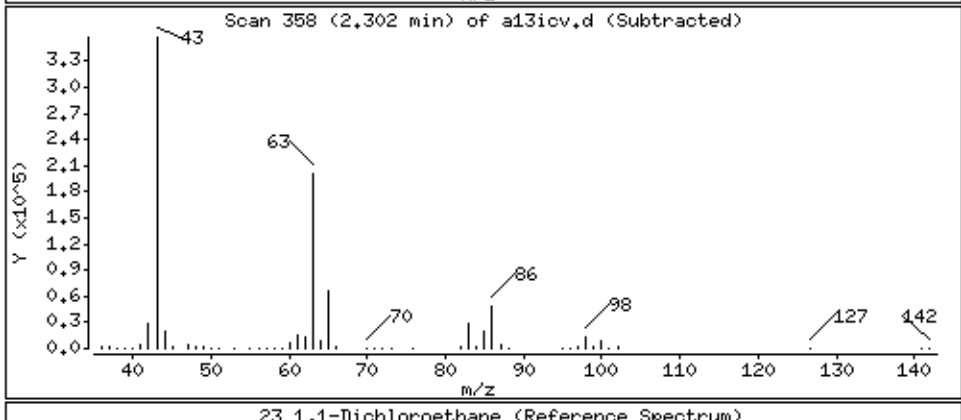
Column phase: DB-624

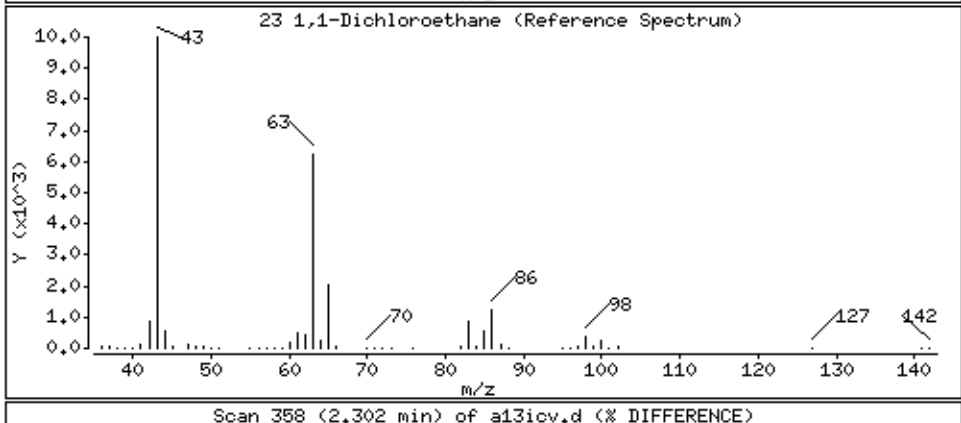
Column diameter: 0.18

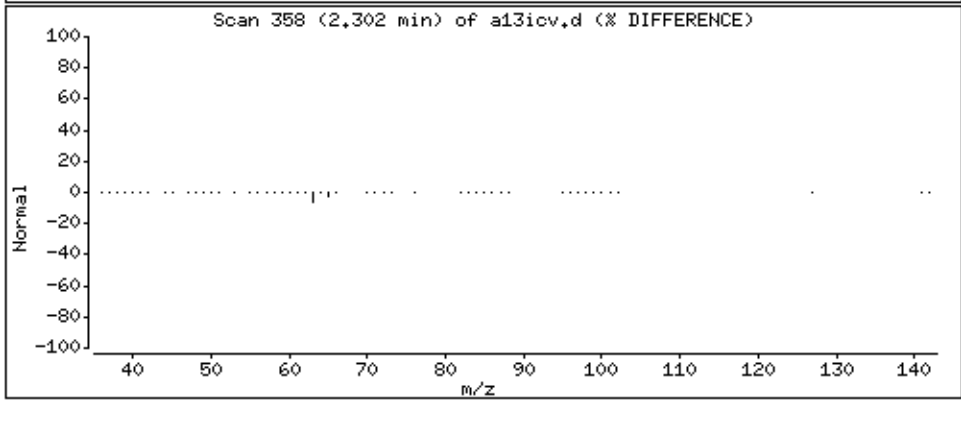
23 1,1-Dichloroethane

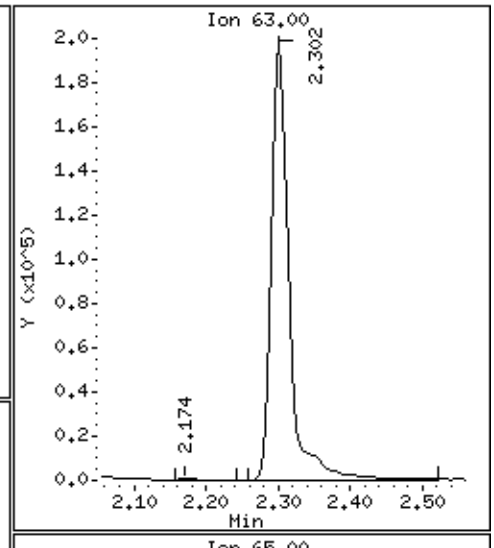
Concentration: 41.9 ppb

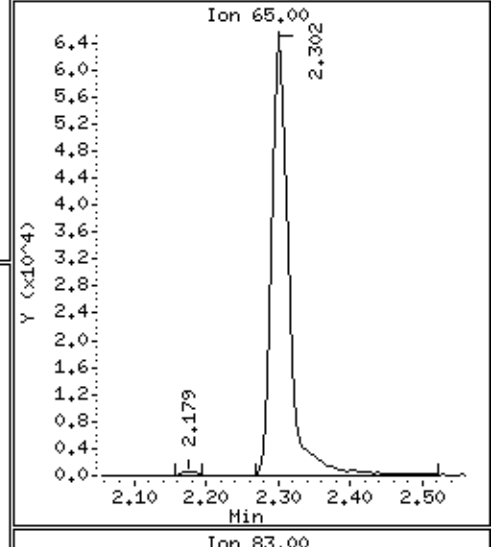


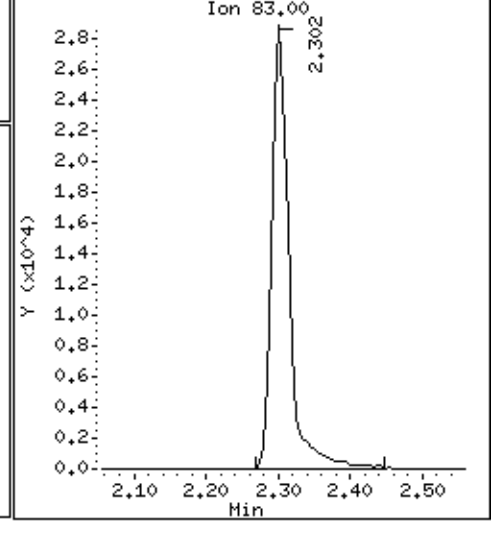












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

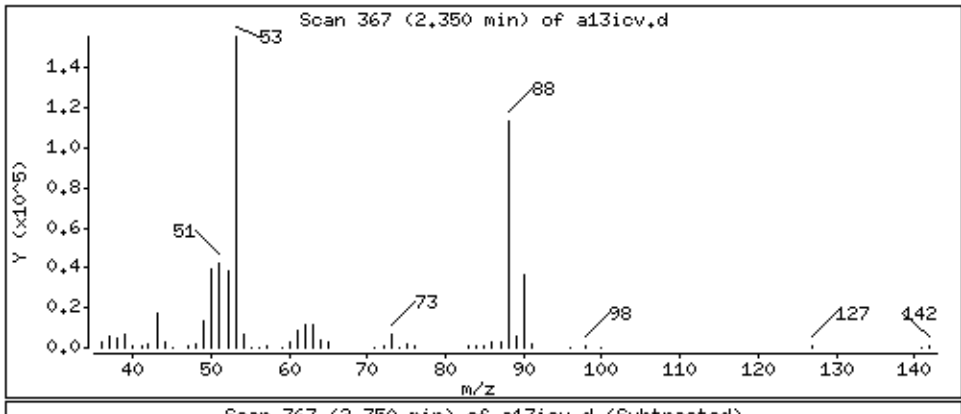
Operator: ala

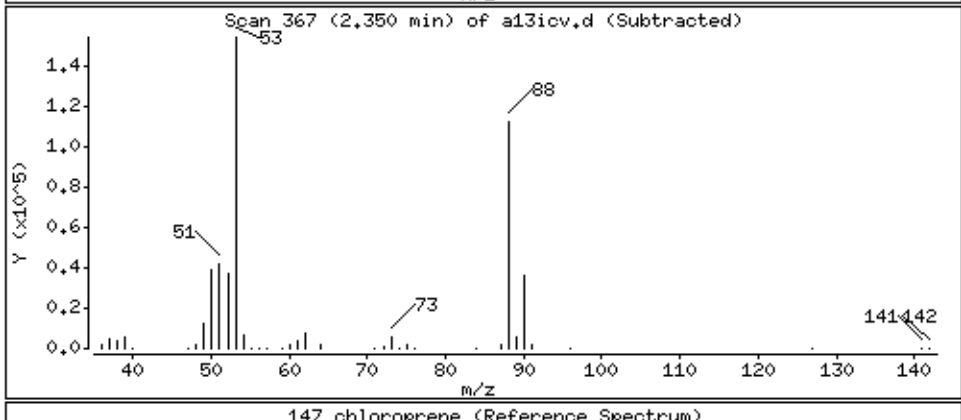
Column phase: DB-624

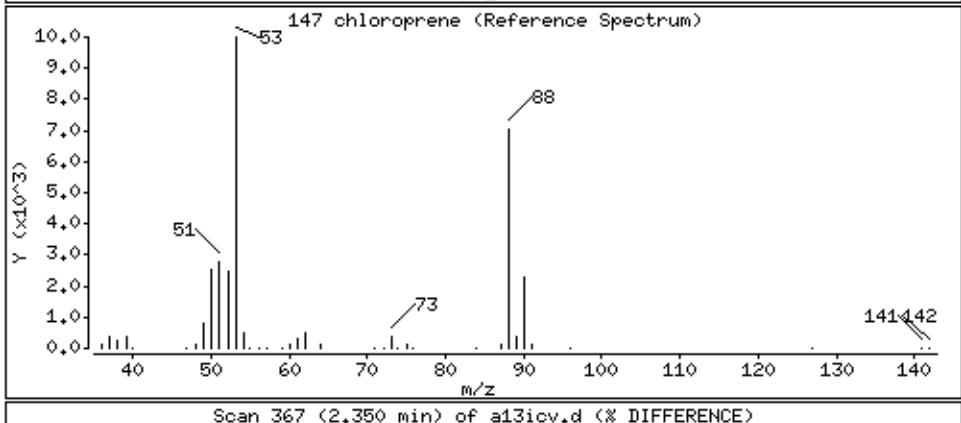
Column diameter: 0.18

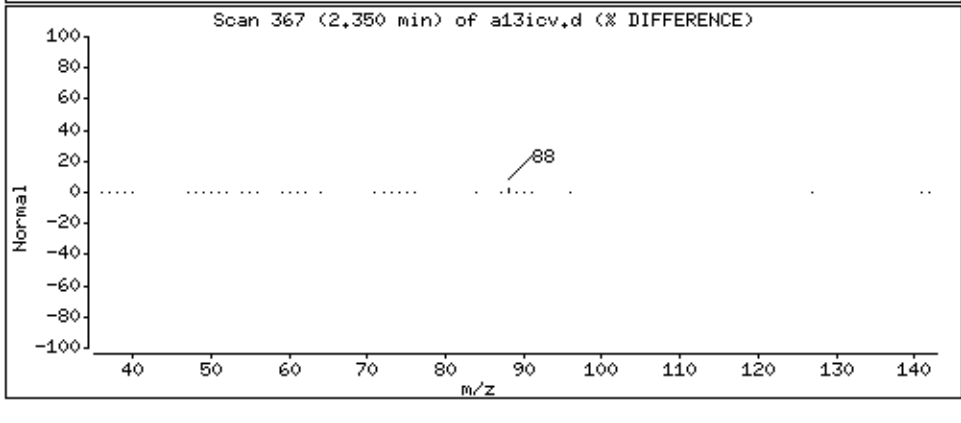
147 chloroprene

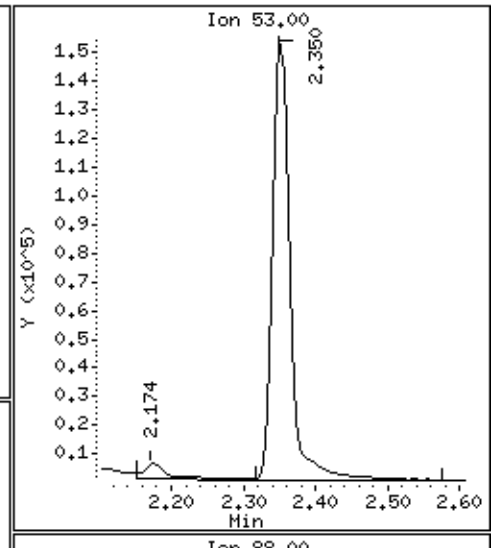
Concentration: 45.6 ppb

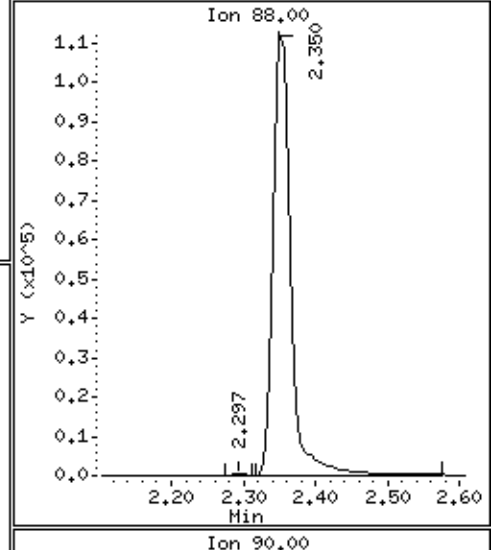


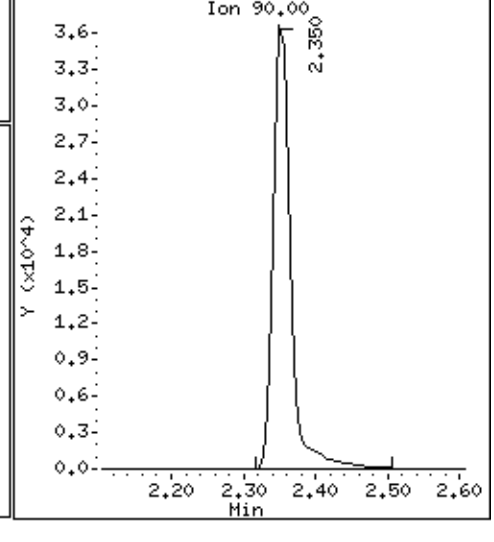












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

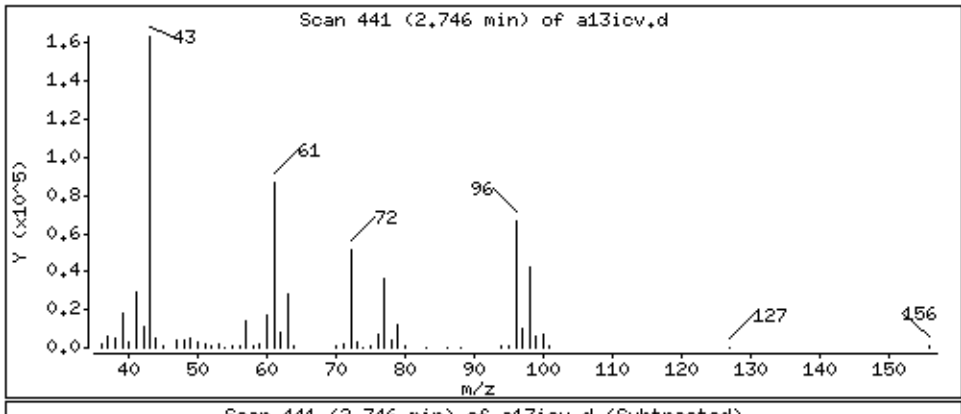
Operator: ala

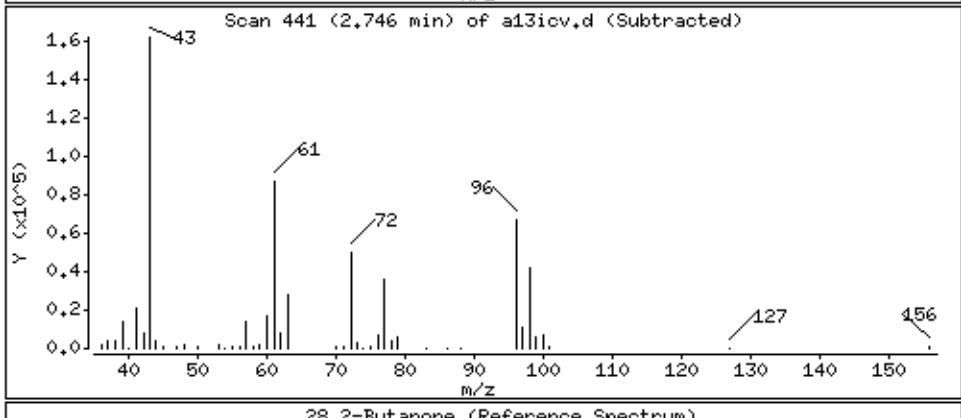
Column phase: DB-624

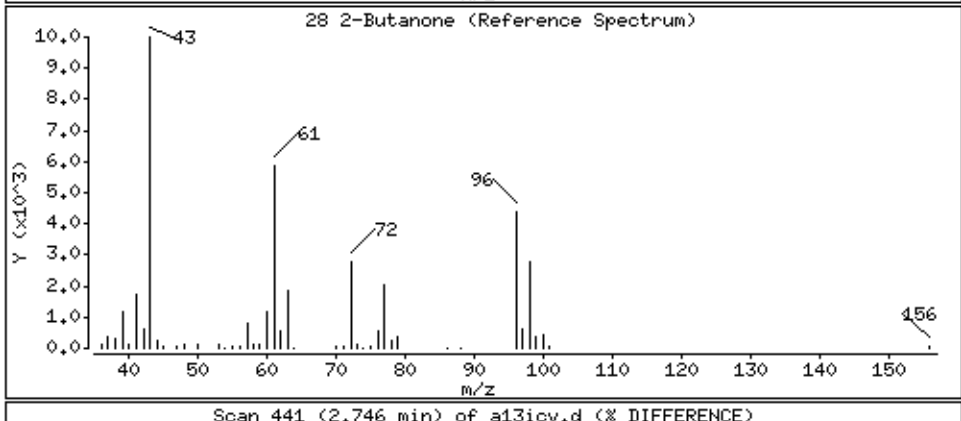
Column diameter: 0.18

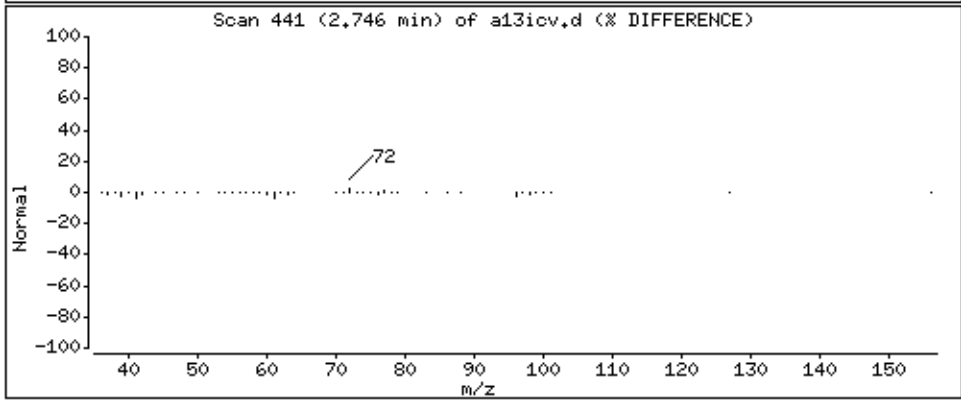
28 2-Butanone

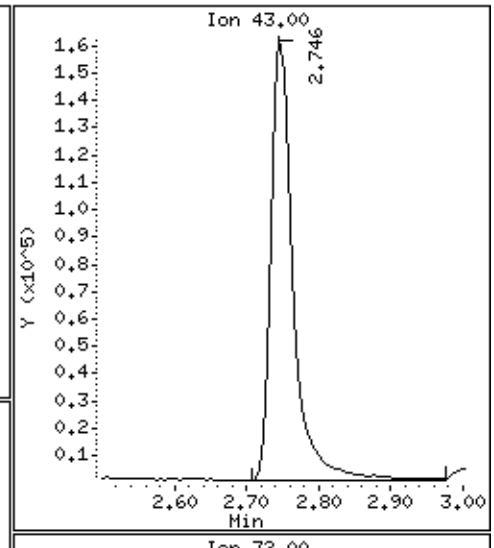
Concentration: 221 ppb

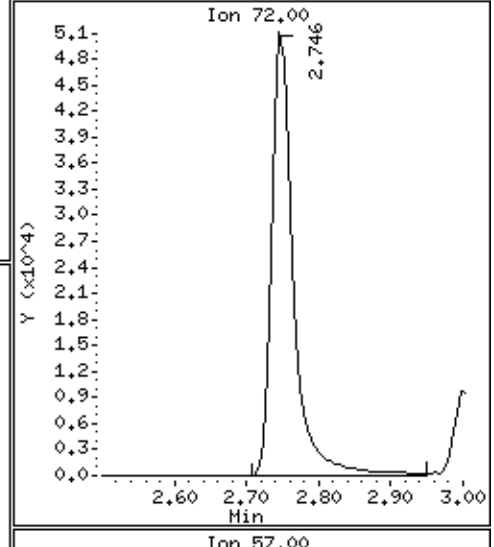


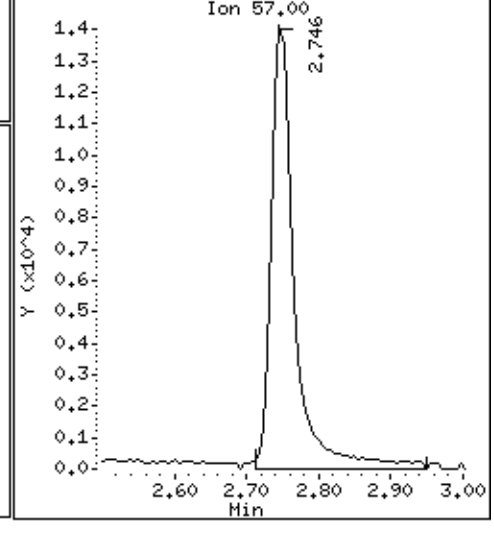












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

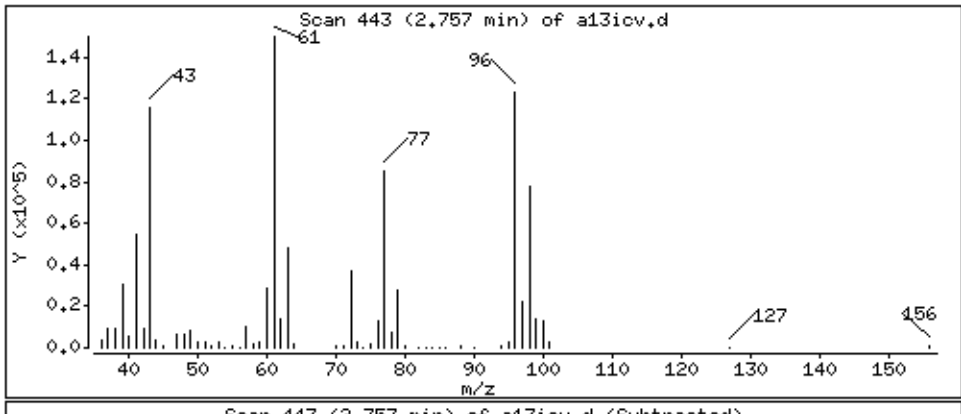
Operator: ala

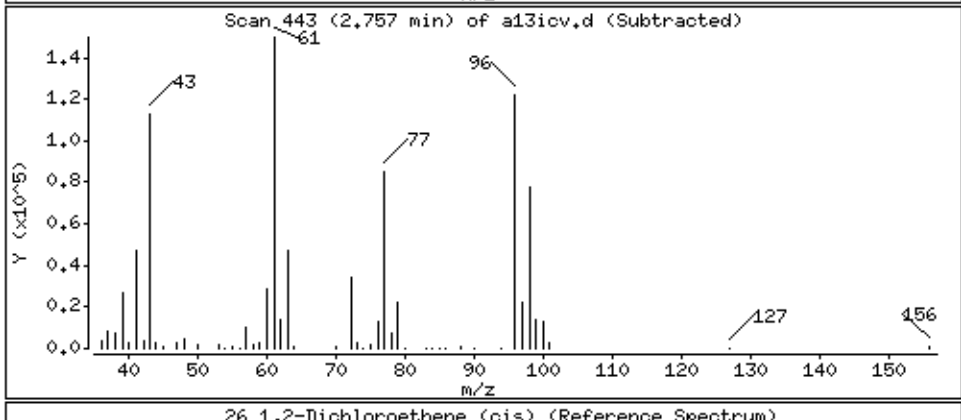
Column phase: DB-624

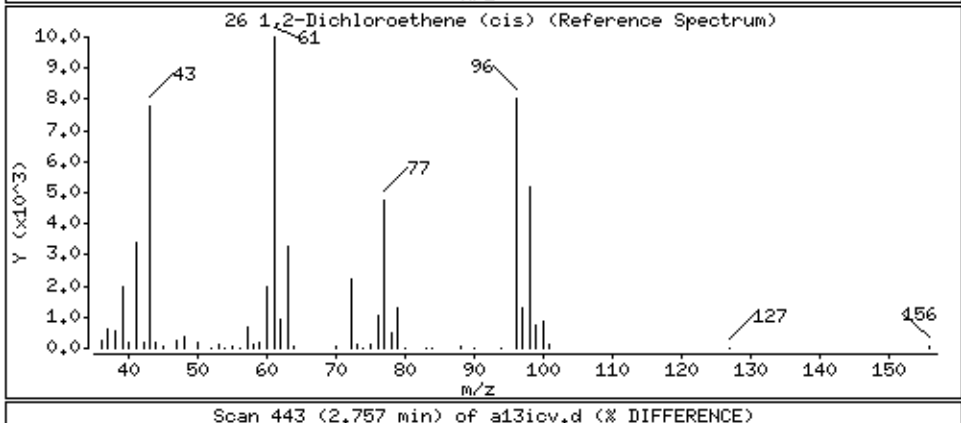
Column diameter: 0.18

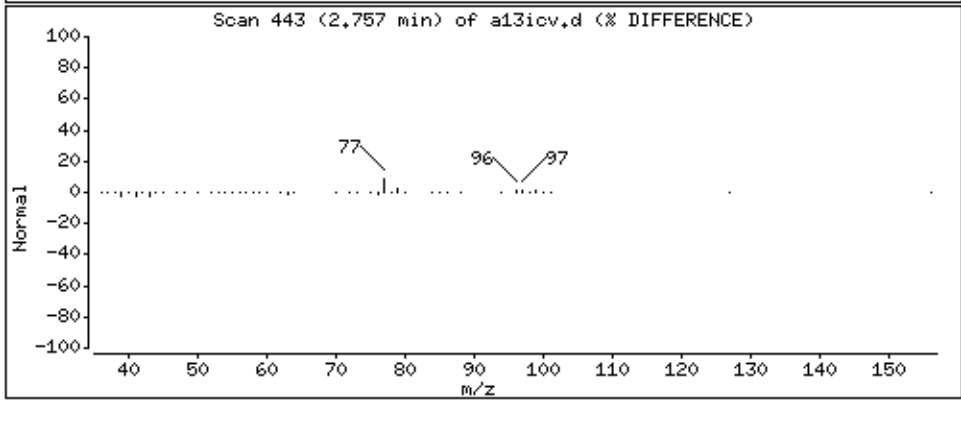
26 1,2-Dichloroethene (cis)

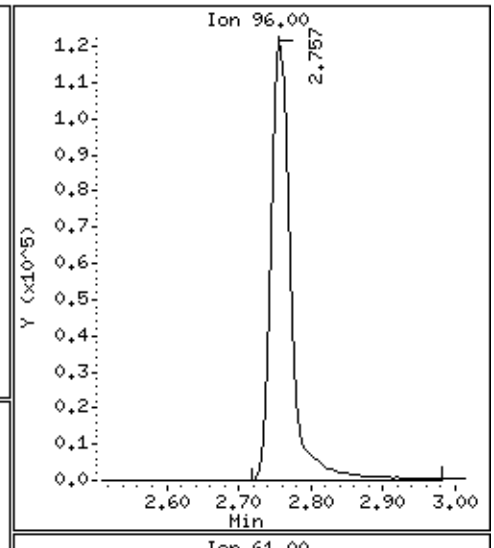
Concentration: 40.1 ppb

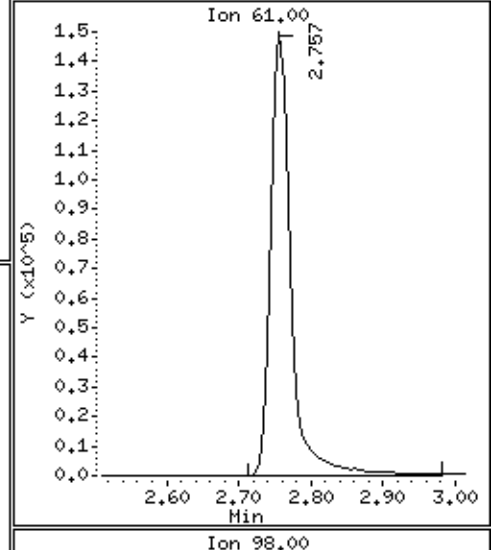


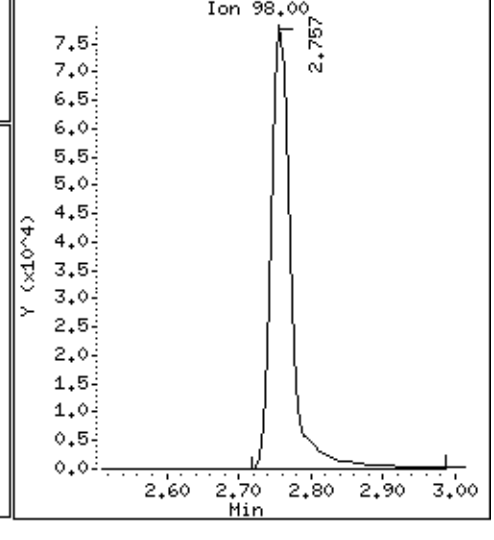












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

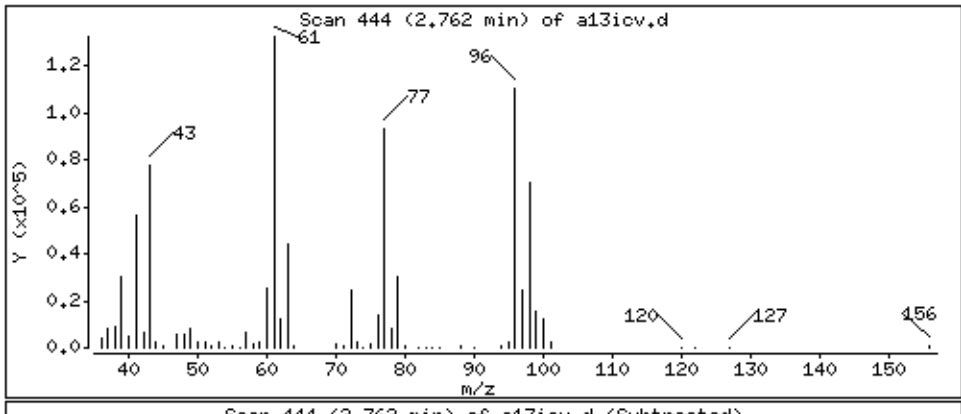
Operator: ala

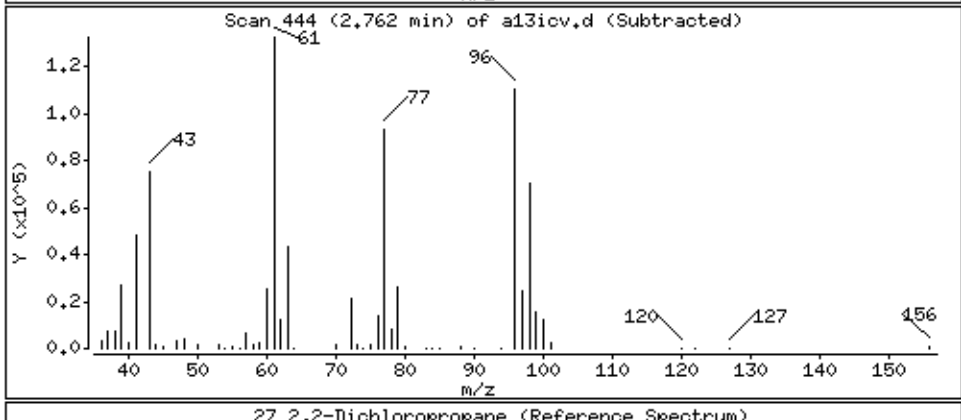
Column phase: DB-624

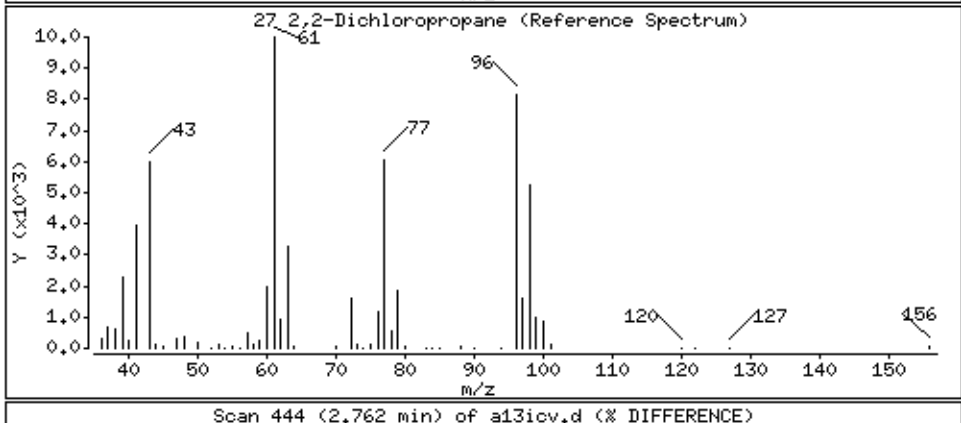
Column diameter: 0.18

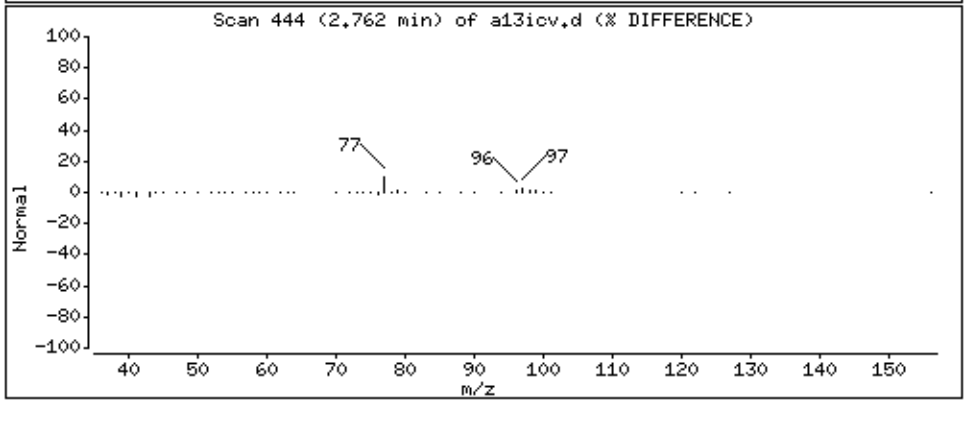
27 2,2-Dichloropropane

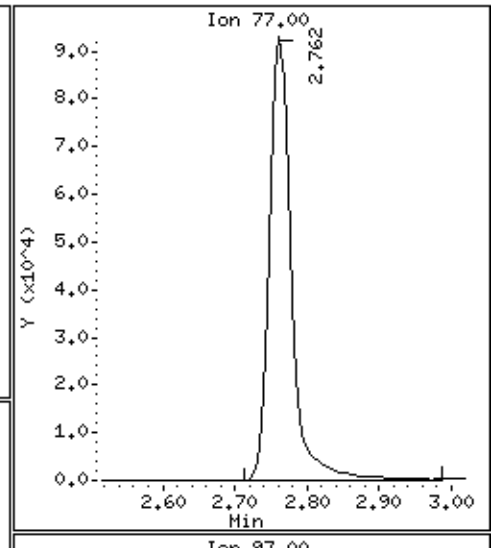
Concentration: 51.5 ppb

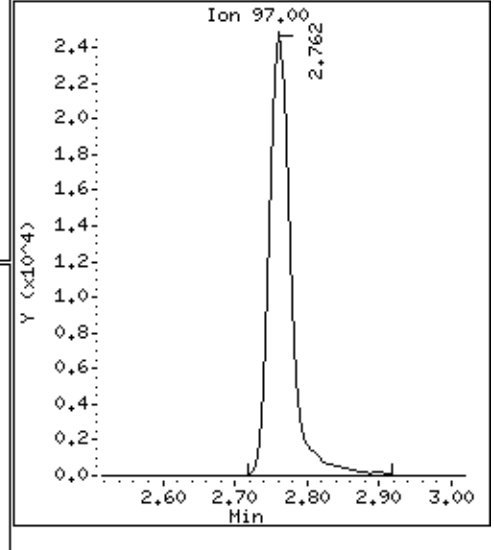












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

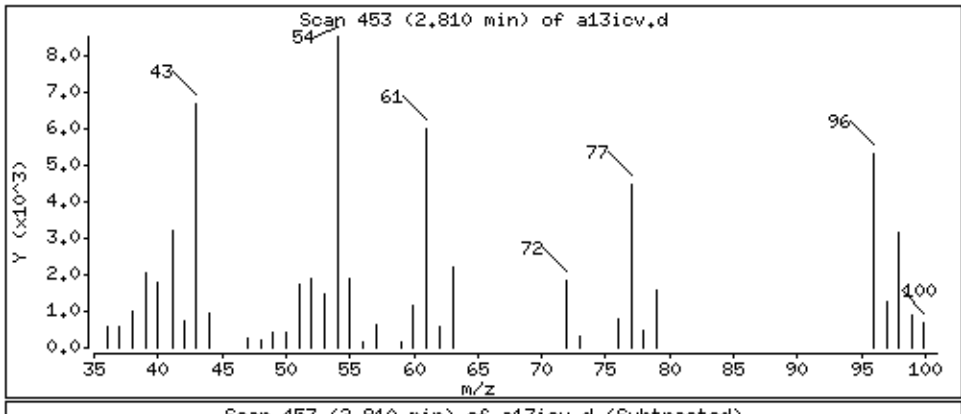
Operator: ala

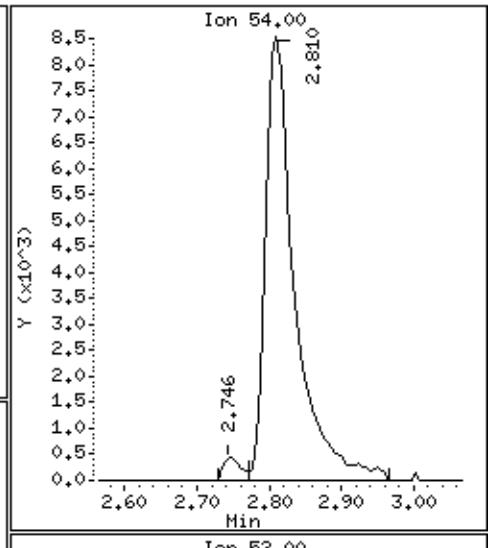
Column phase: DB-624

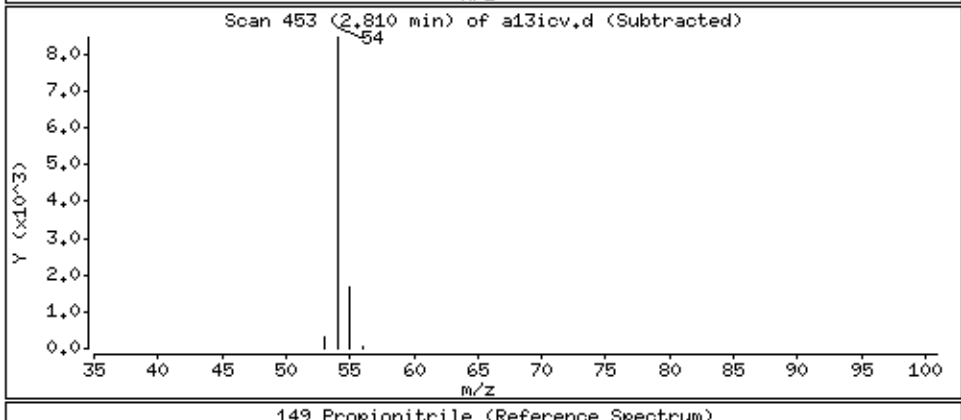
Column diameter: 0.18

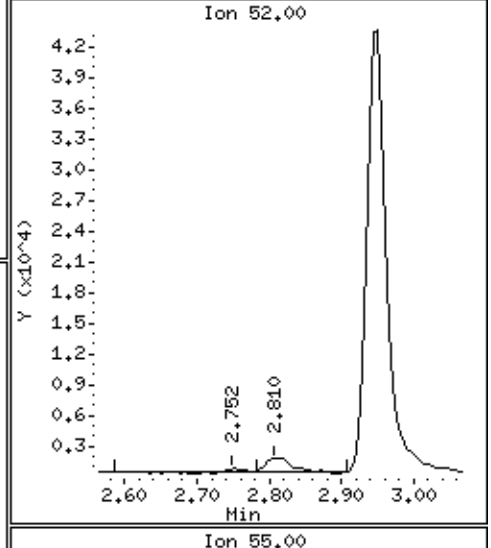
149 Propionitrile

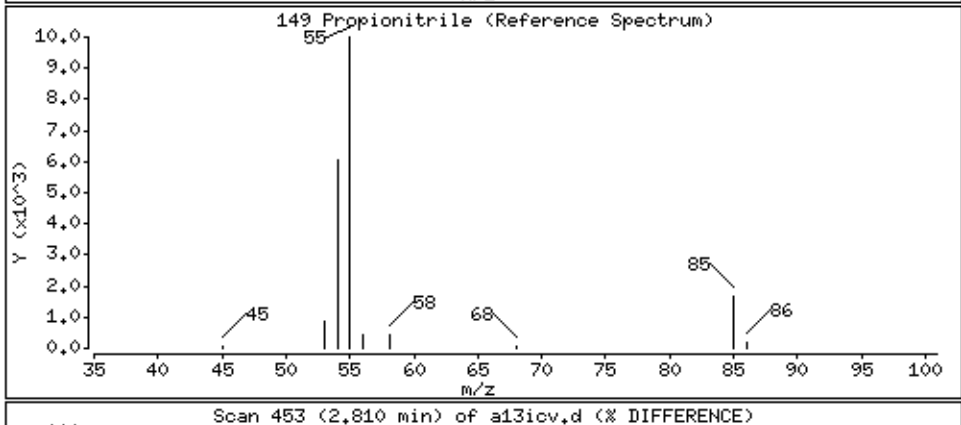
Concentration: 40.0 ppb

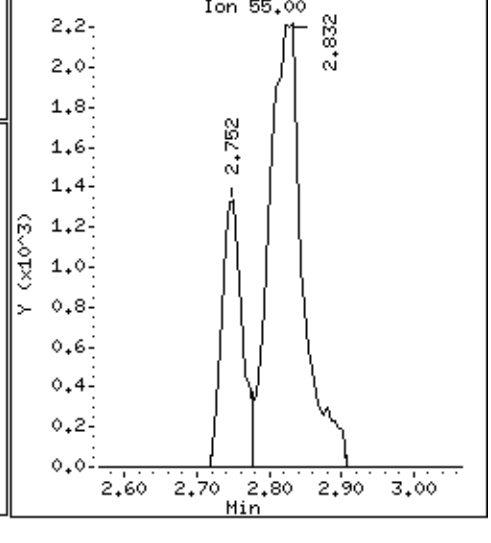


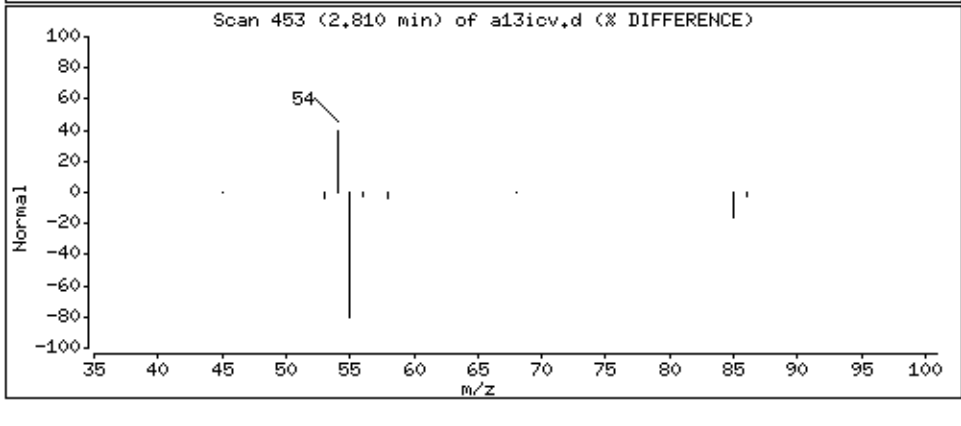












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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

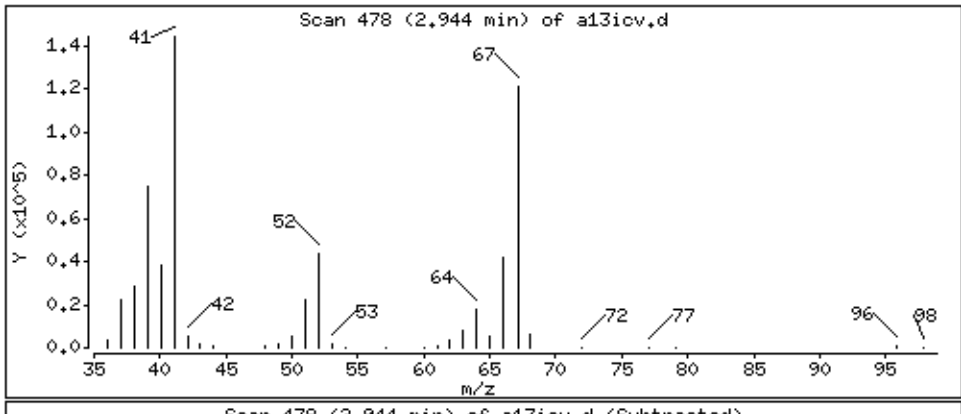
Operator: ala

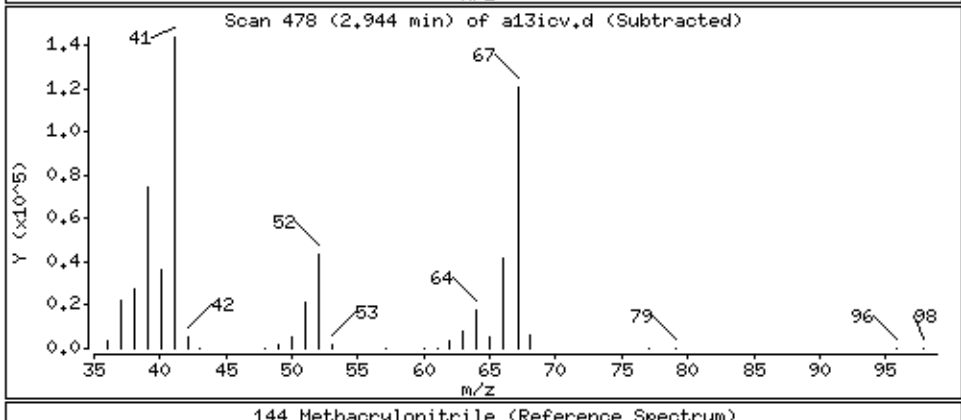
Column phase: DB-624

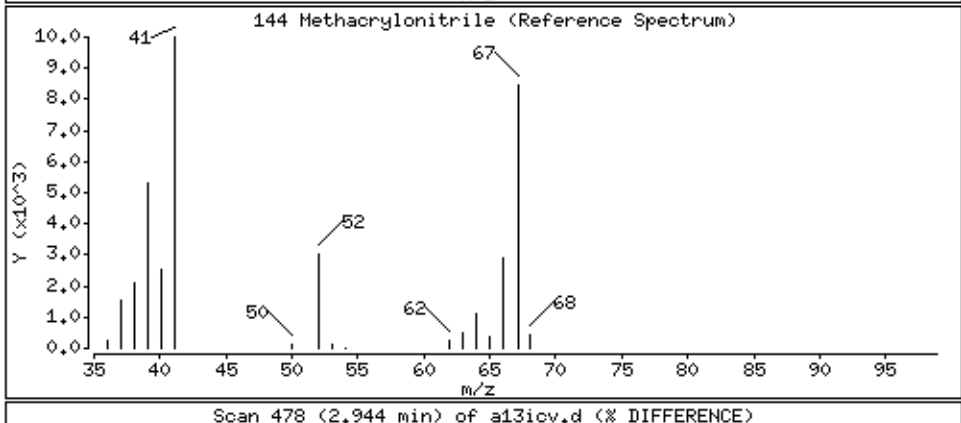
Column diameter: 0.18

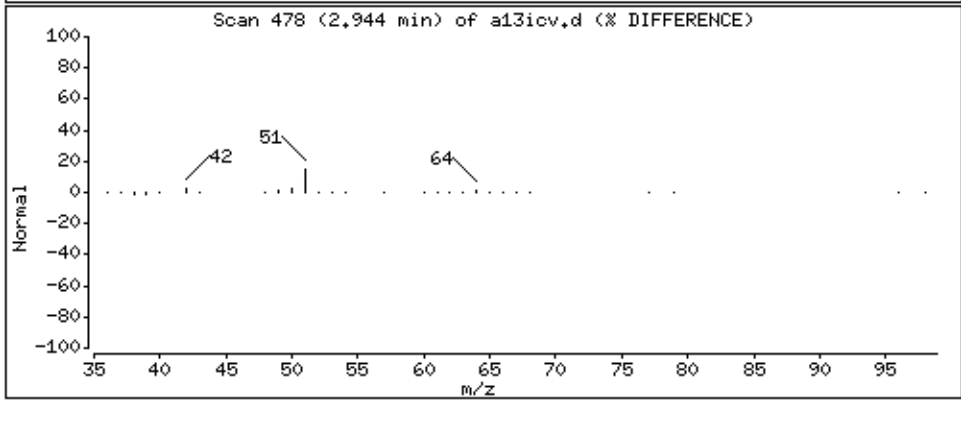
144 Methacrylonitrile

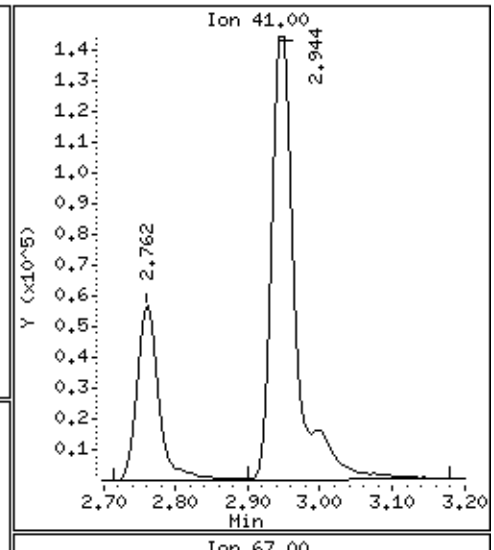
Concentration: 180 ppb

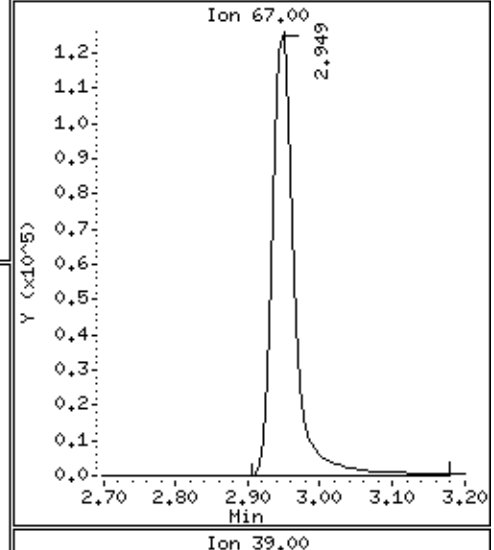


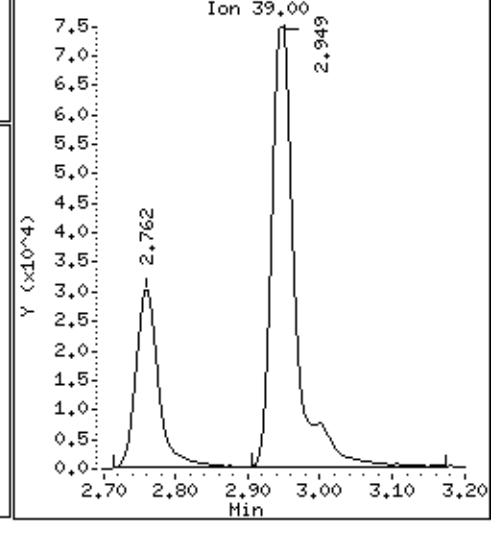












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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

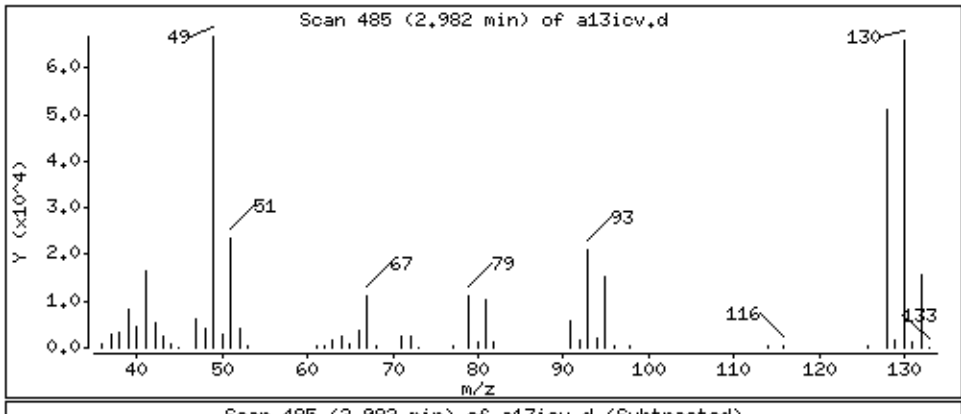
Operator: ala

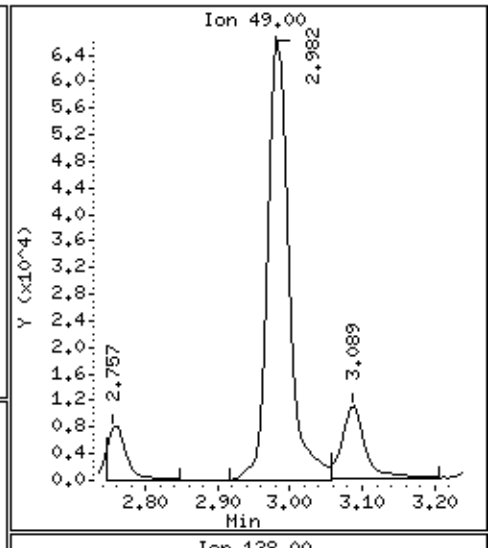
Column phase: DB-624

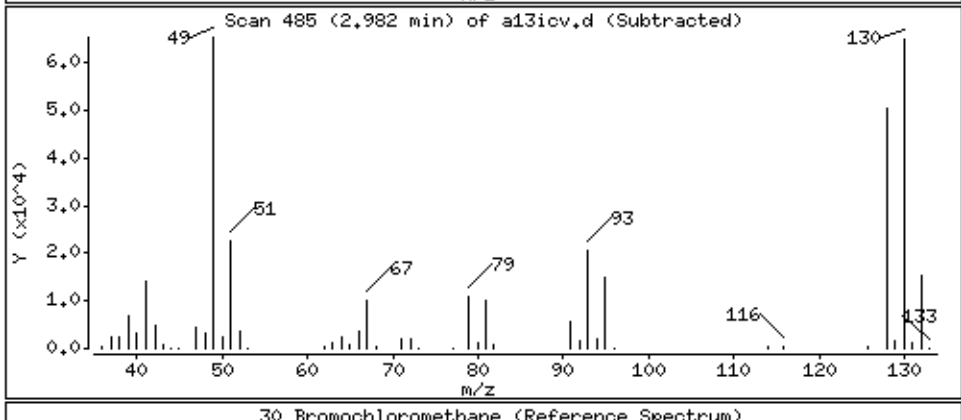
Column diameter: 0.18

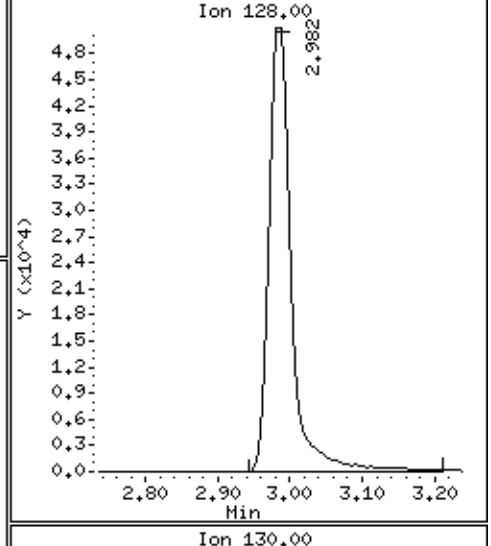
30 Bromochloromethane

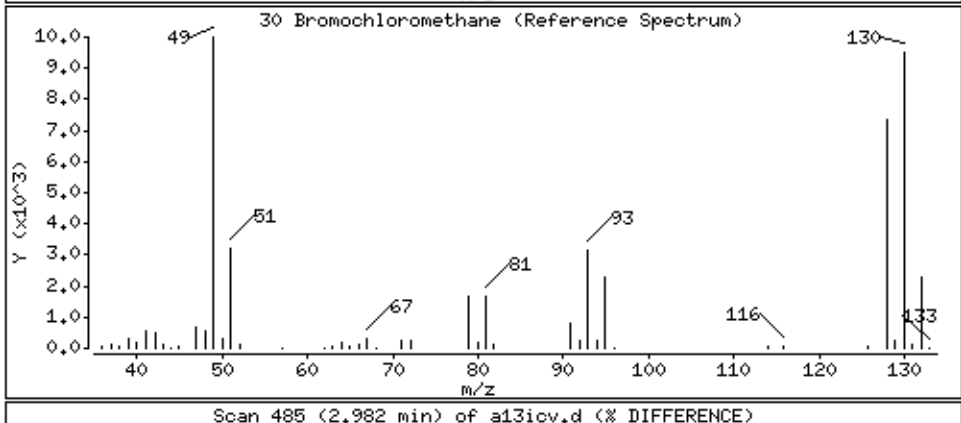
Concentration: 40.9 ppb

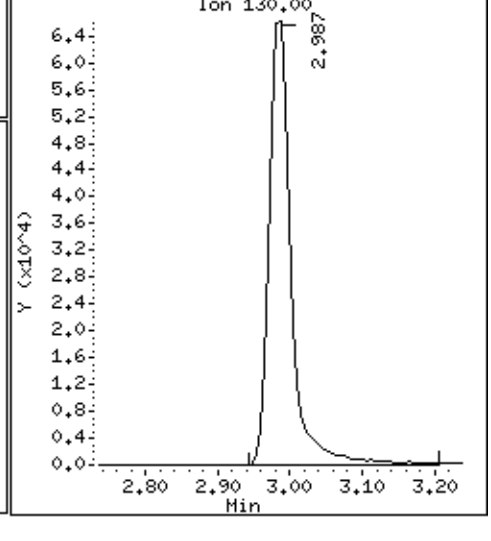


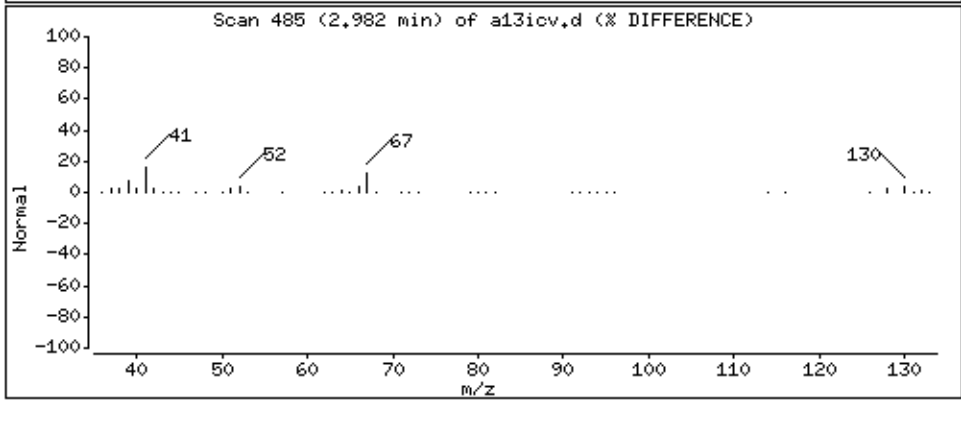












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Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

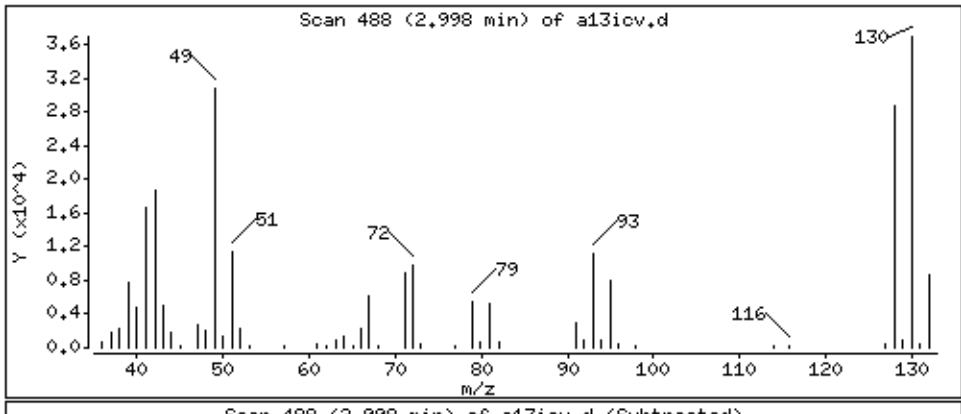
Operator: ala

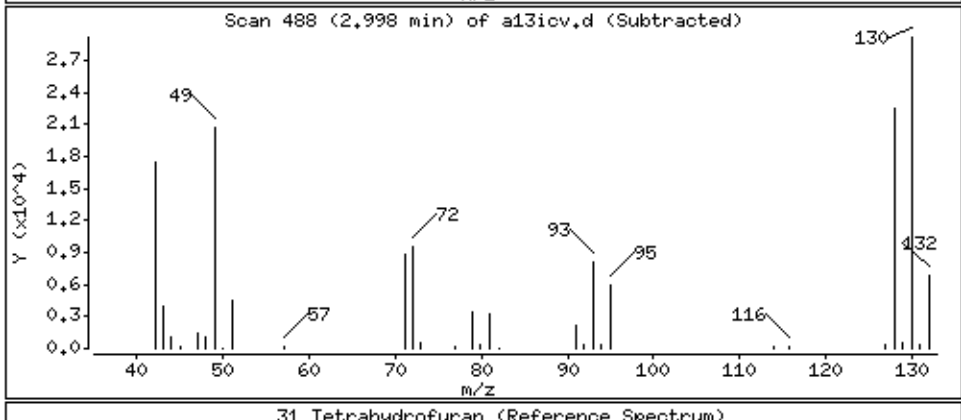
Column phase: DB-624

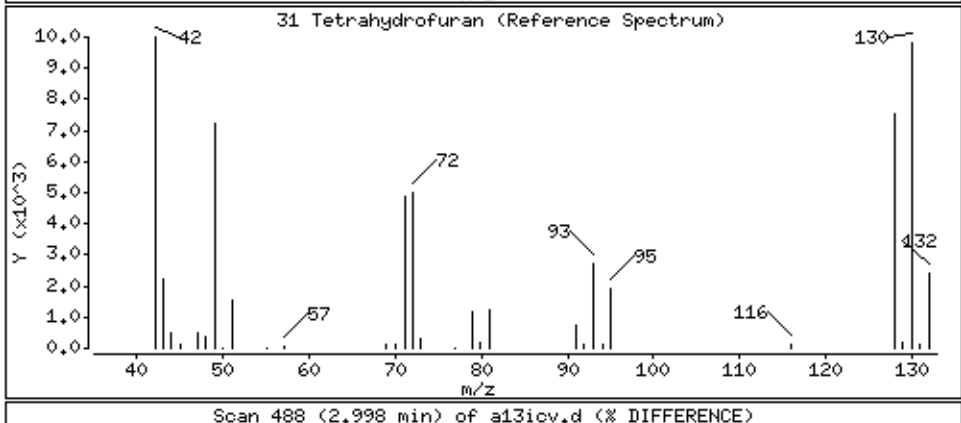
Column diameter: 0.18

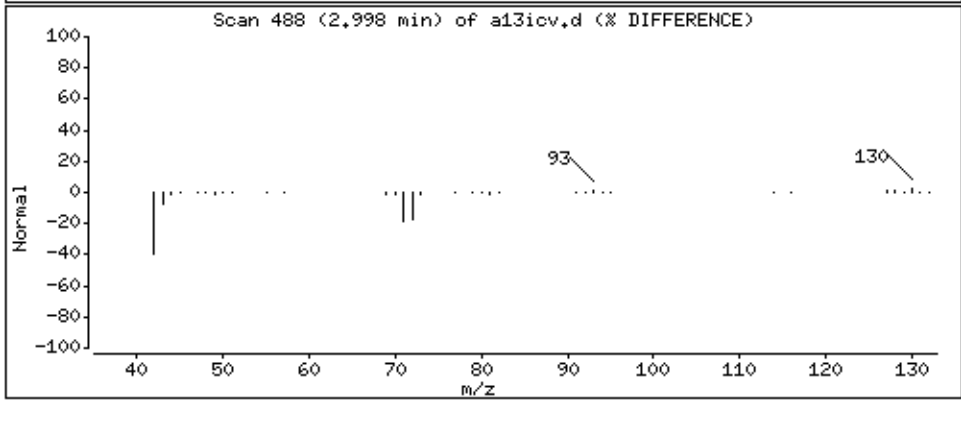
31 Tetrahydrofuran

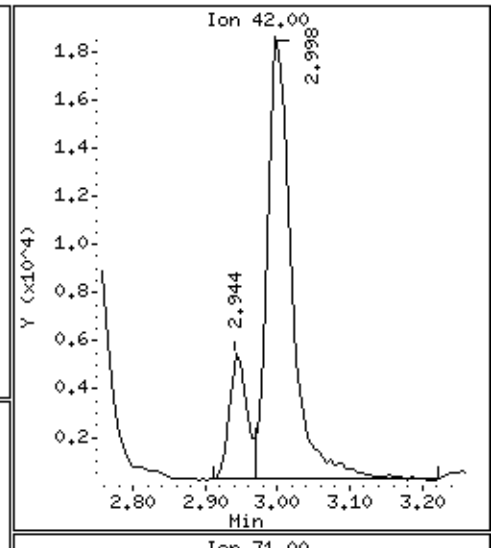
Concentration: 48.0 ppb

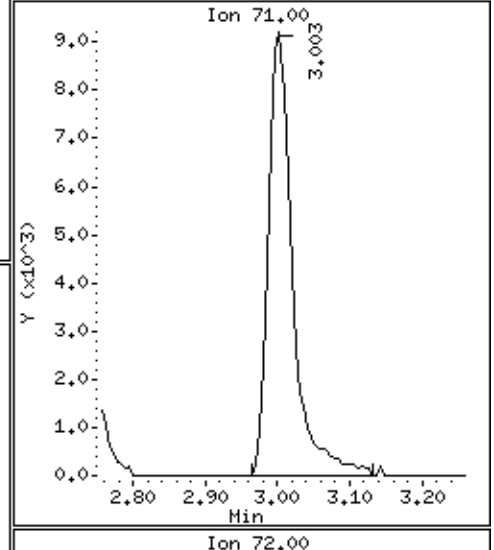


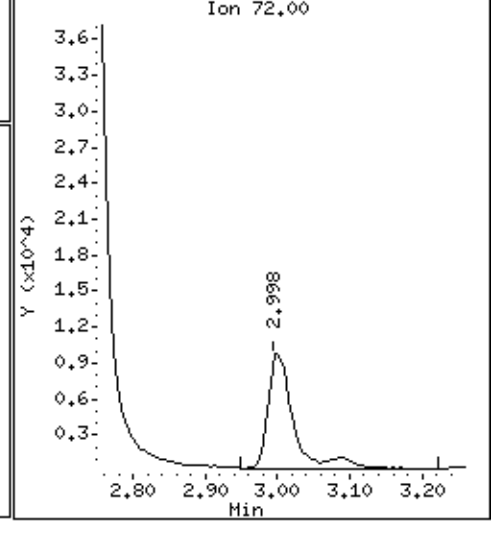












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

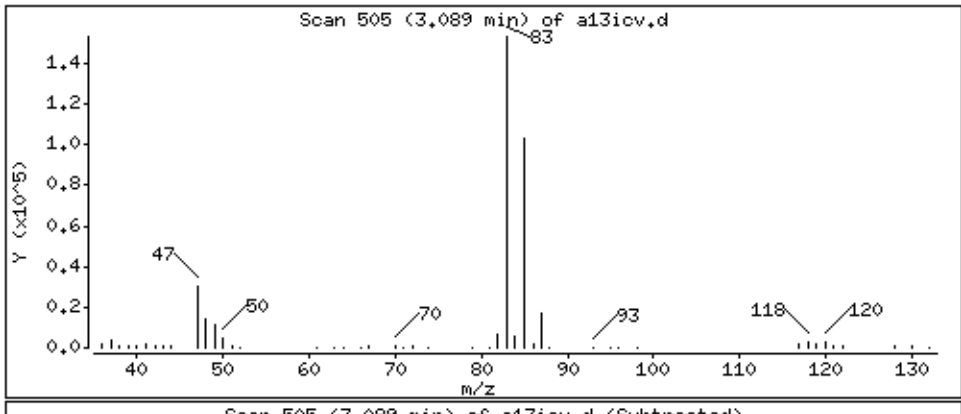
Operator: ala

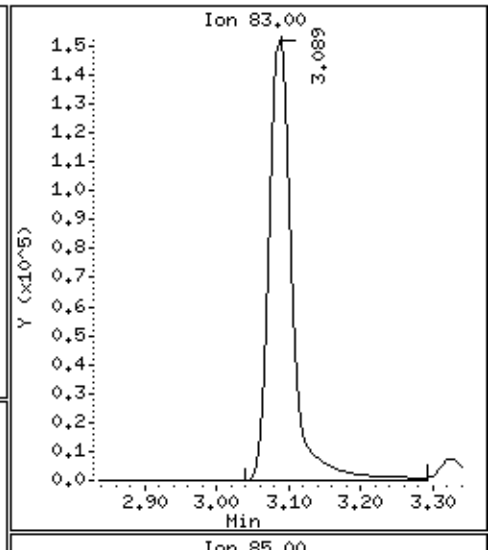
Column phase: DB-624

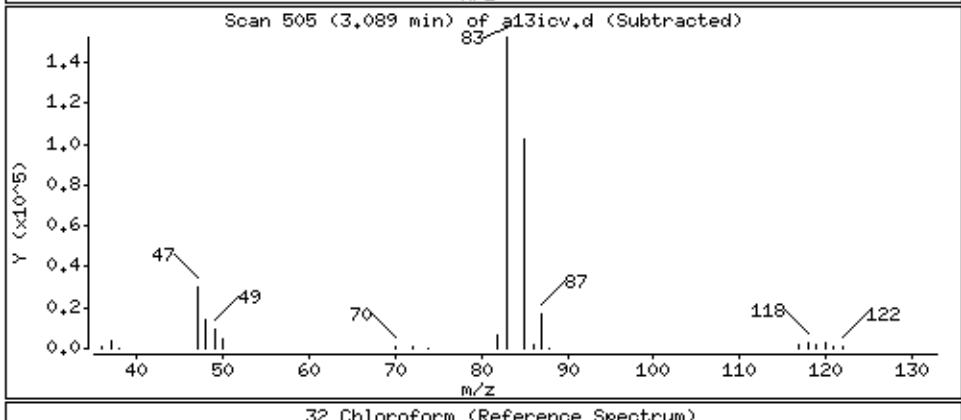
Column diameter: 0.18

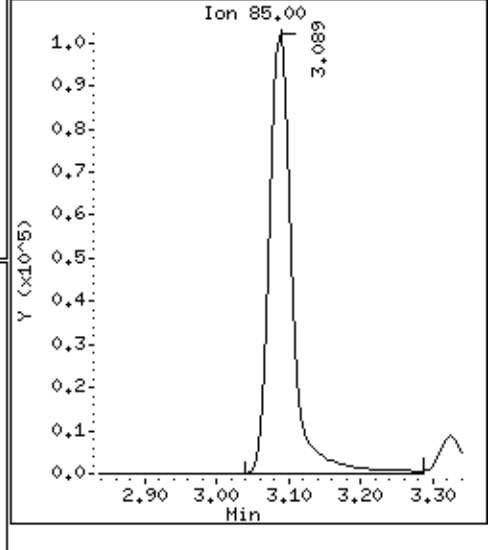
32 Chloroform

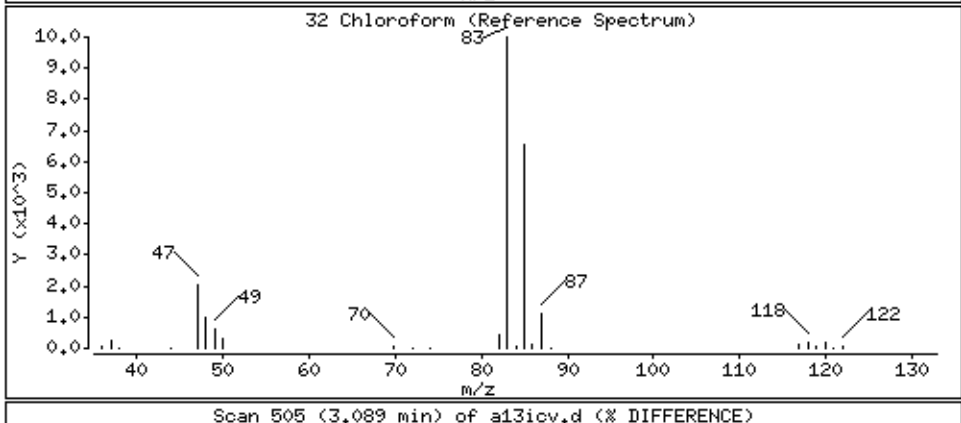
Concentration: 40.9 ppb

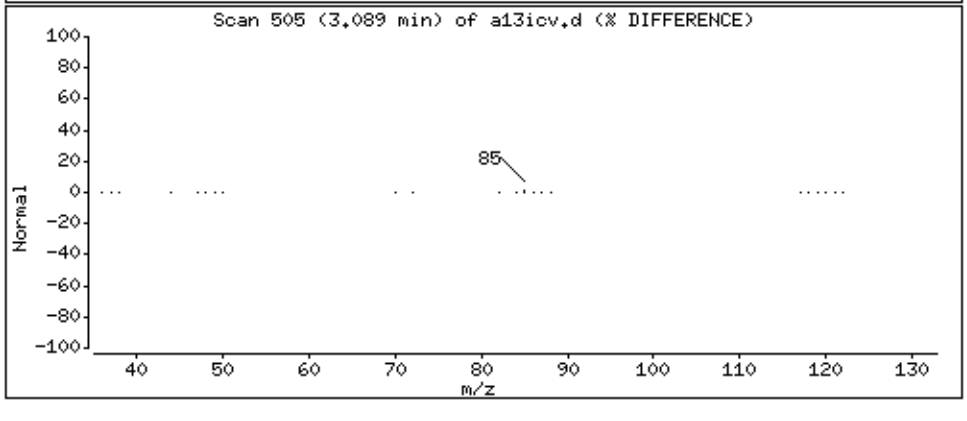












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

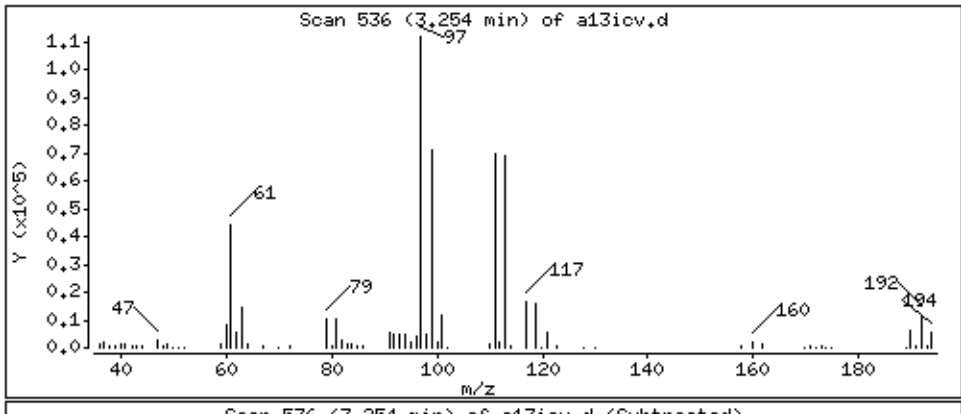
Operator: ala

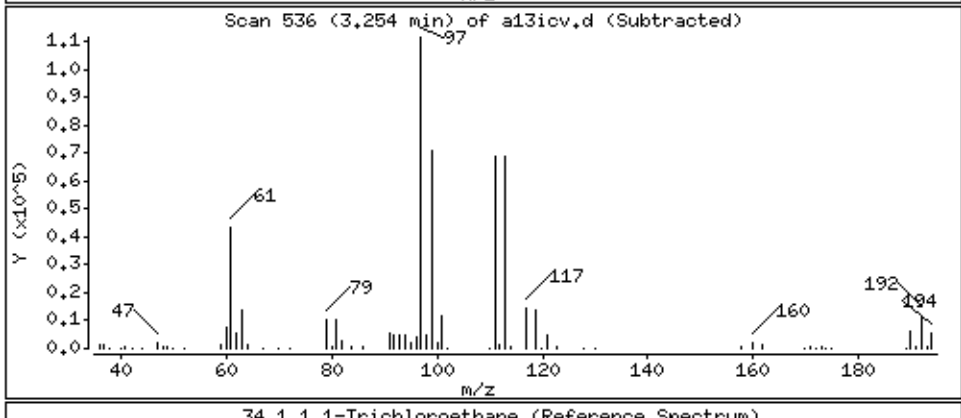
Column phase: DB-624

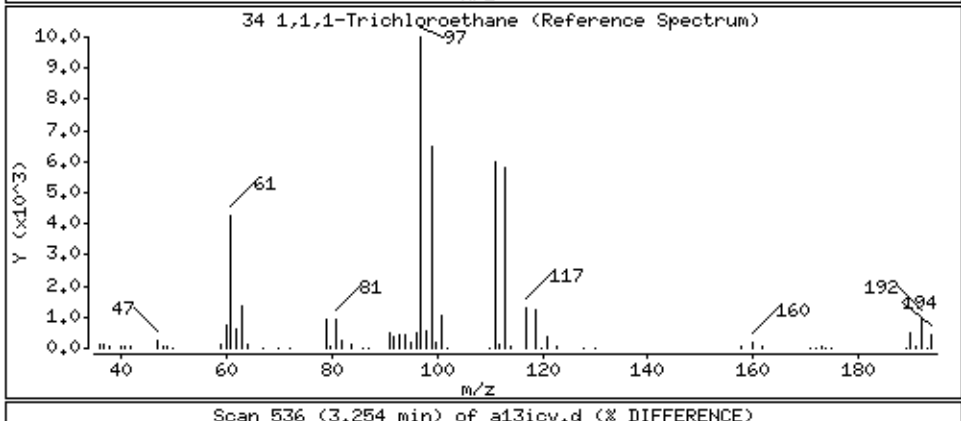
Column diameter: 0.18

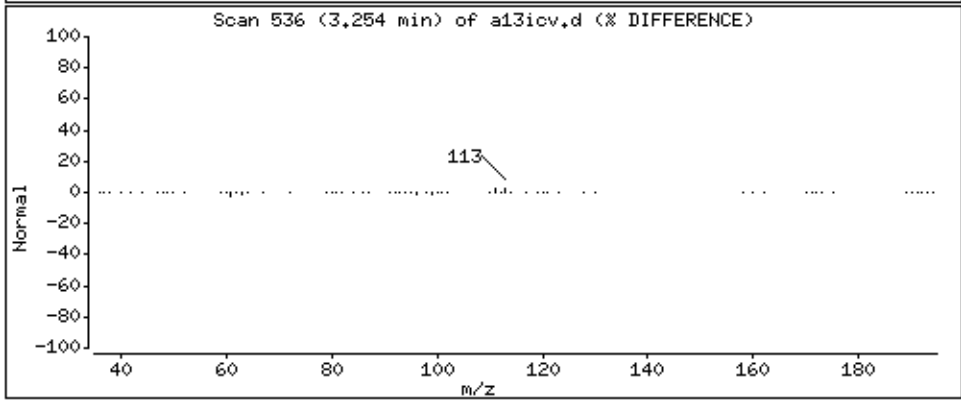
34 1,1,1-Trichloroethane

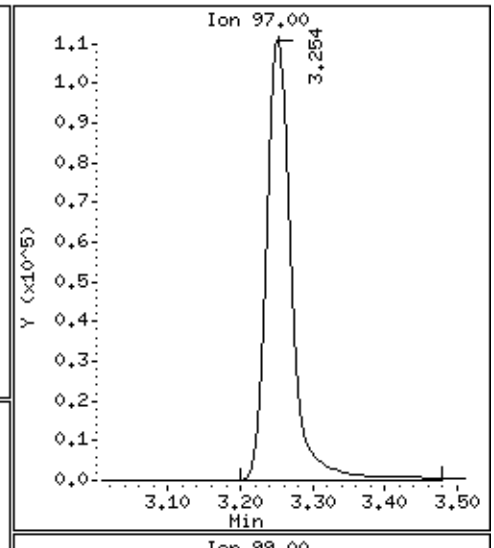
Concentration: 45.5 ppb

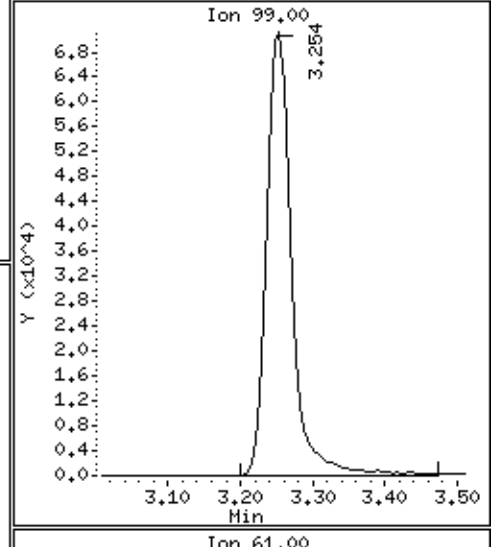


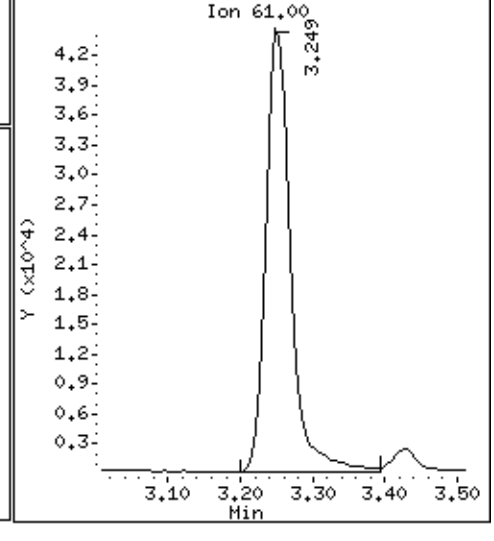












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

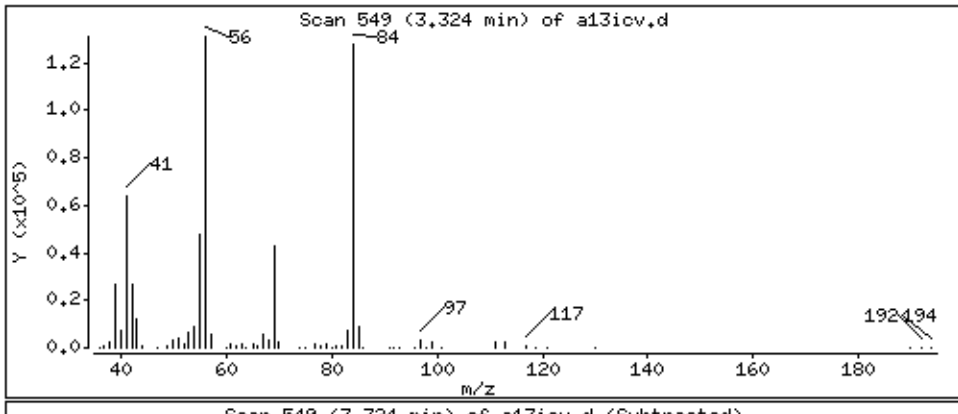
Operator: ala

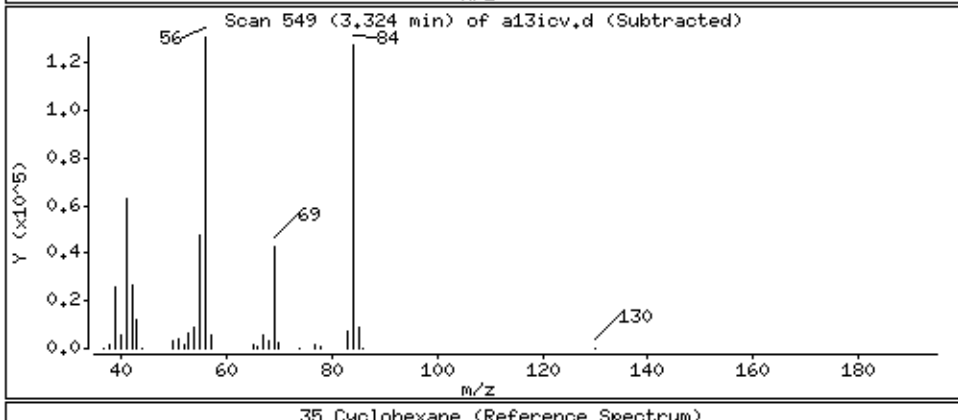
Column phase: DB-624

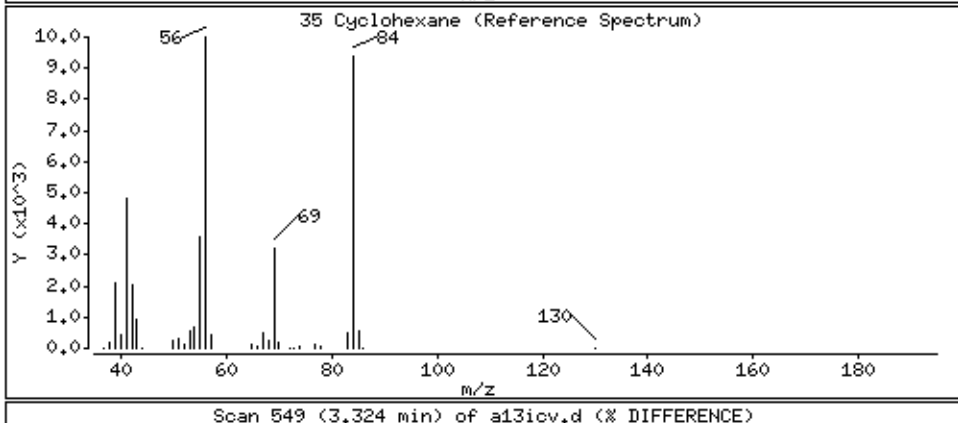
Column diameter: 0.18

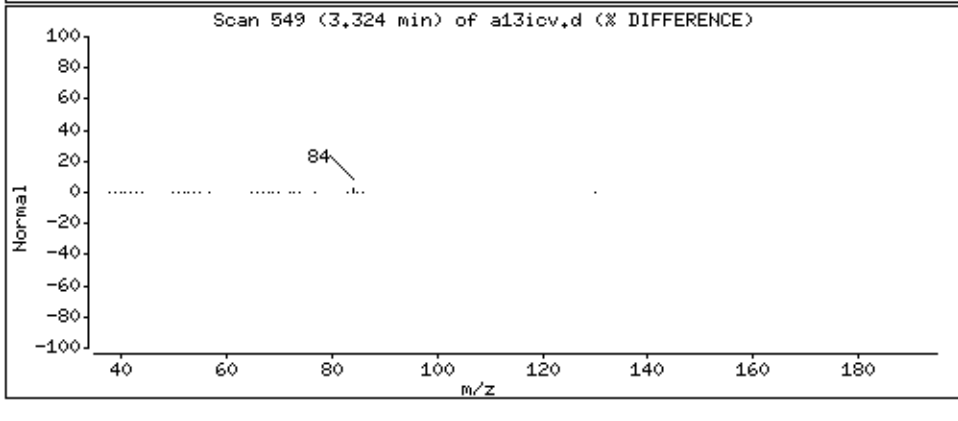
35 Cyclohexane

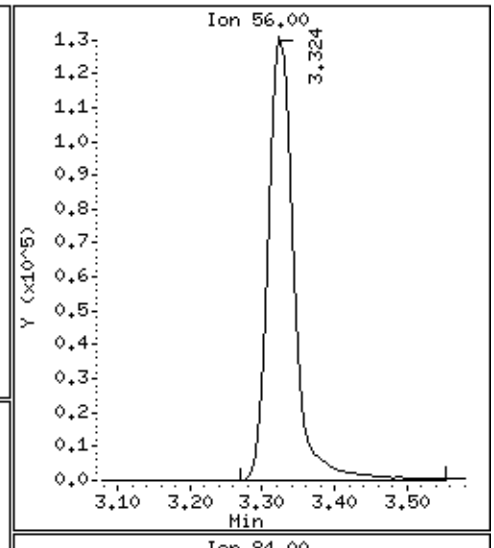
Concentration: 47.1 ppb

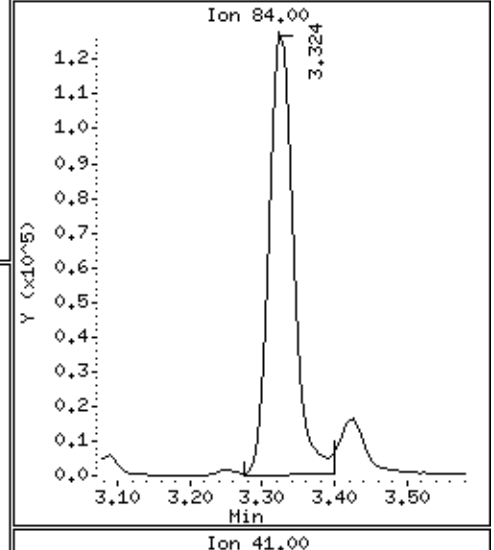


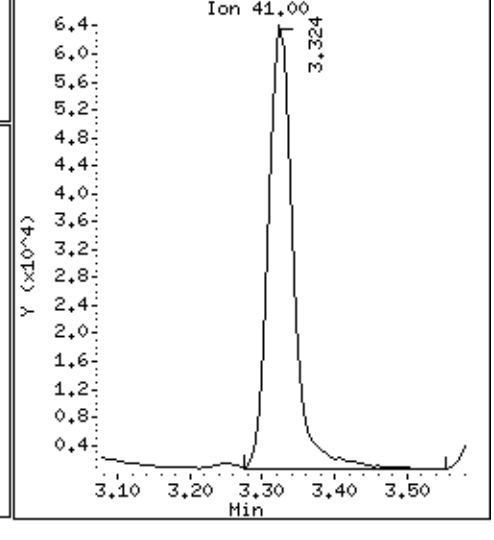












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

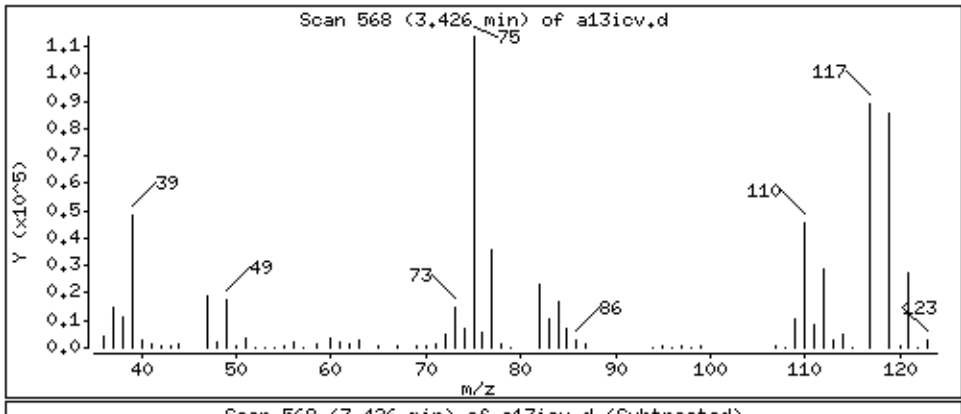
Operator: ala

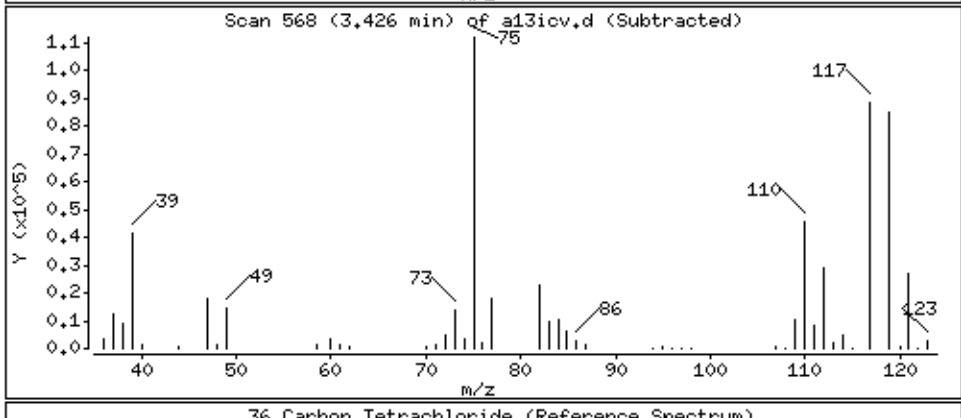
Column phase: DB-624

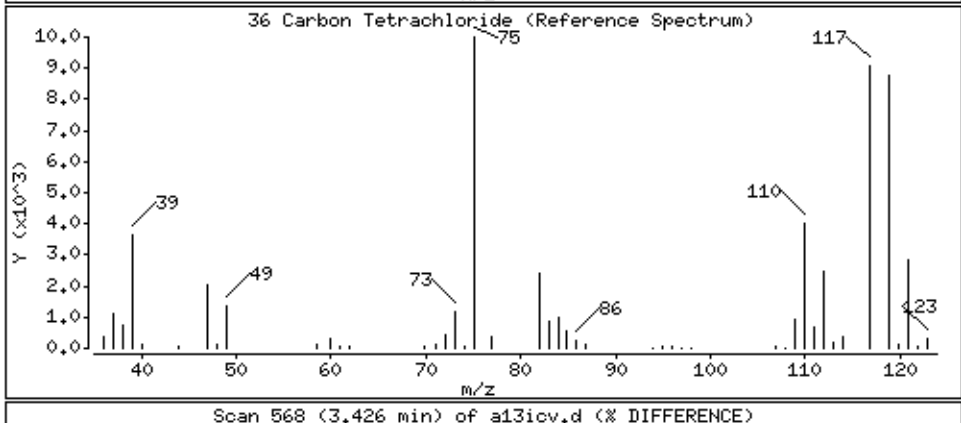
Column diameter: 0.18

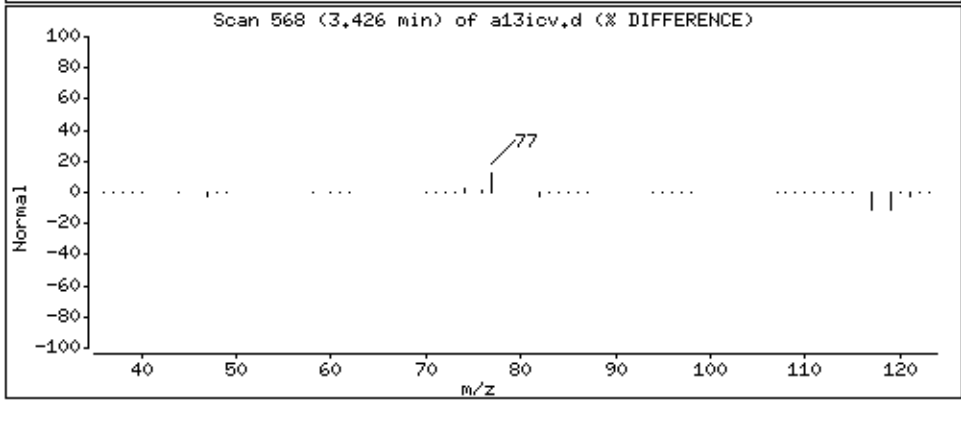
36 Carbon Tetrachloride

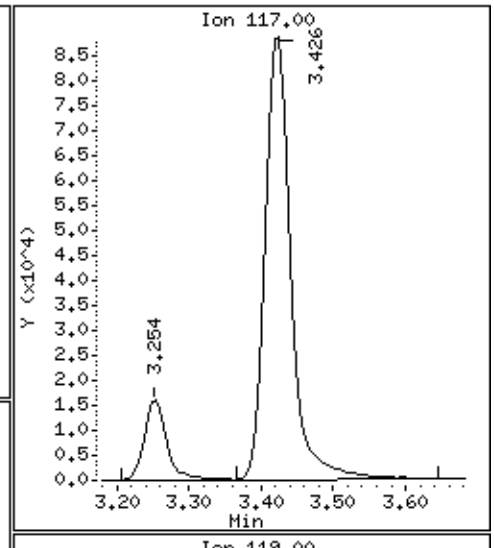
Concentration: 48.4 ppb

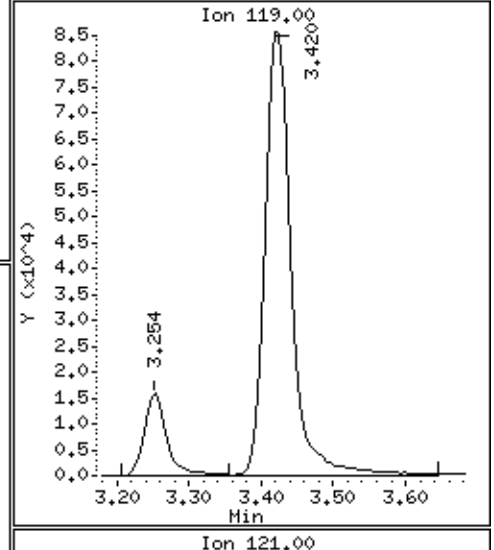


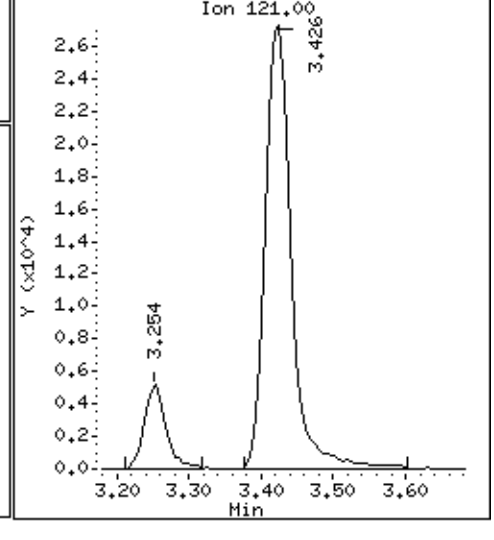












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

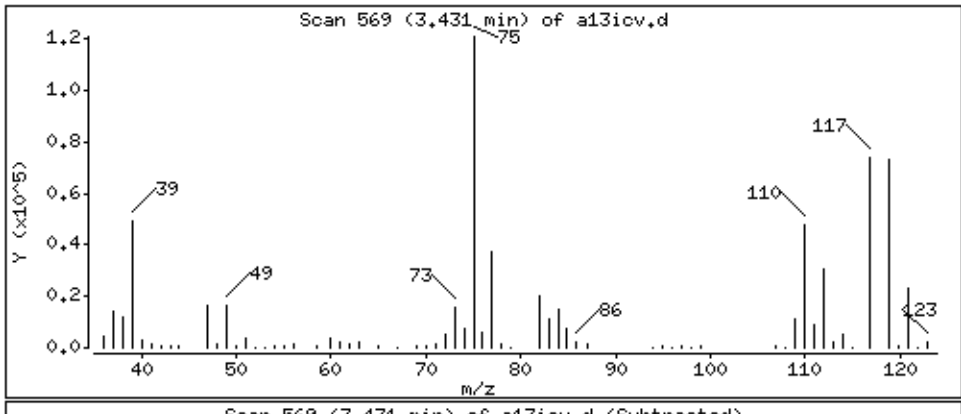
Operator: ala

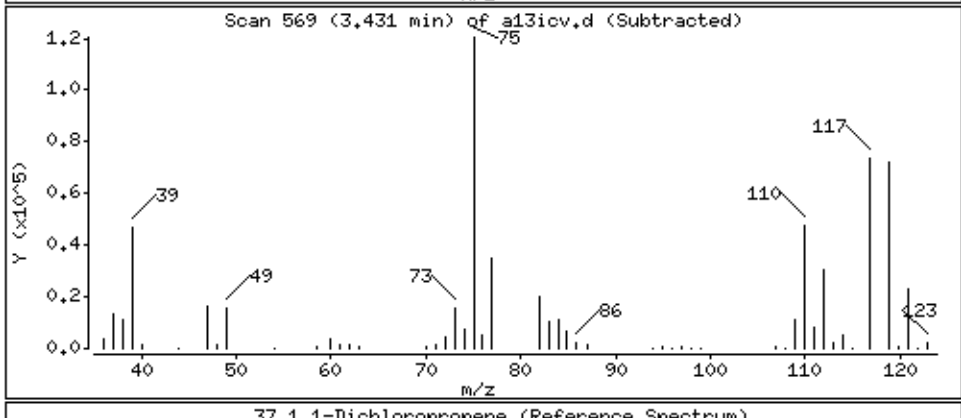
Column phase: DB-624

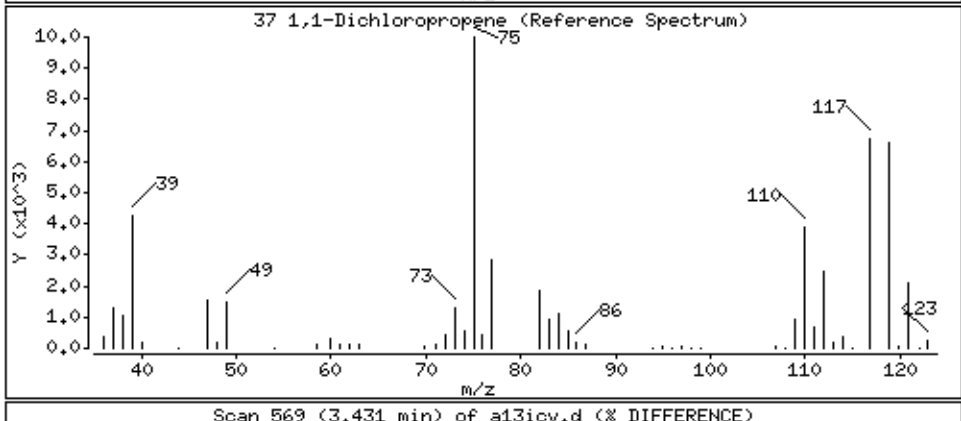
Column diameter: 0.18

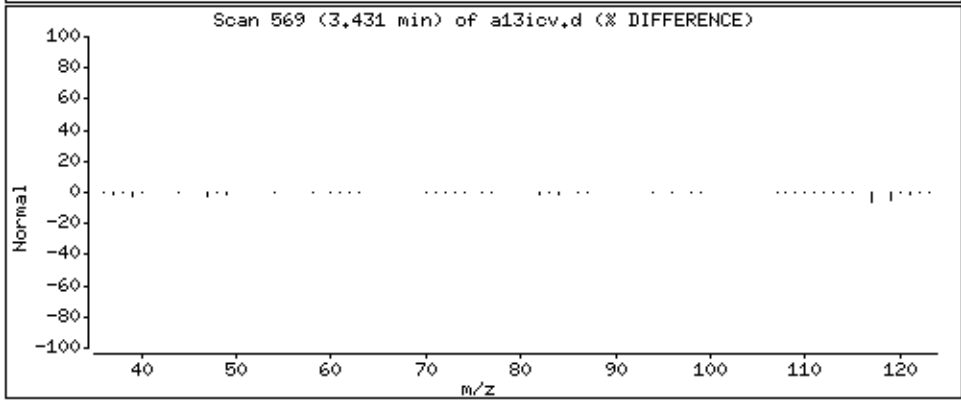
37 1,1-Dichloropropene

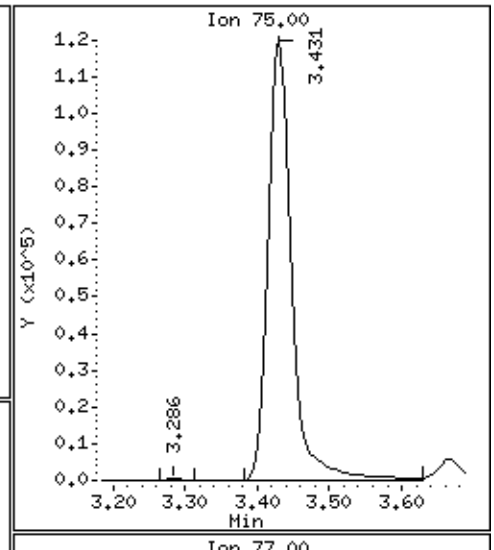
Concentration: 46.0 ppb

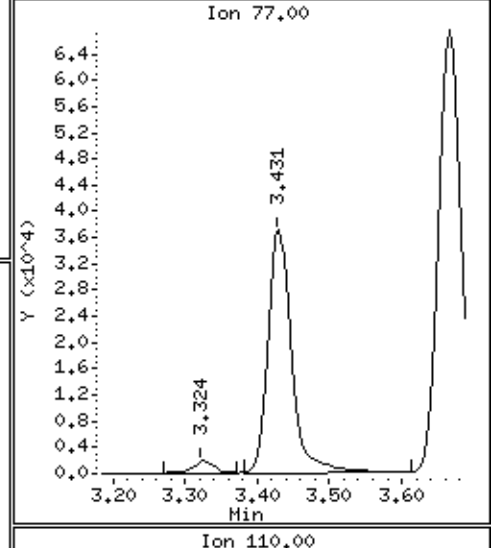


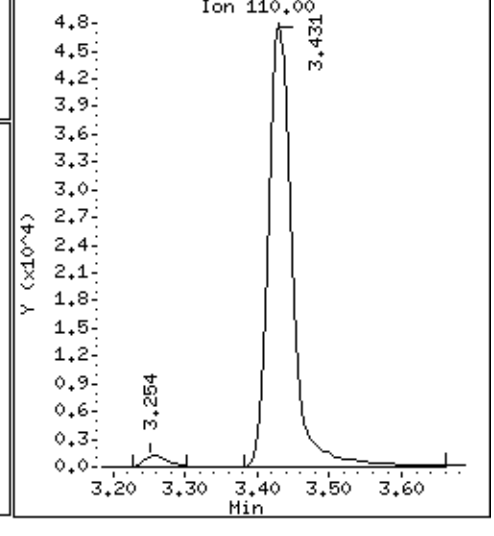












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

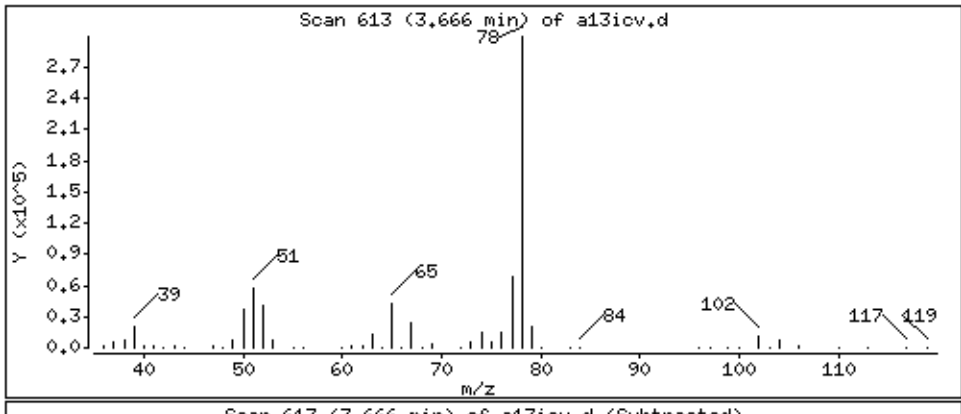
Operator: ala

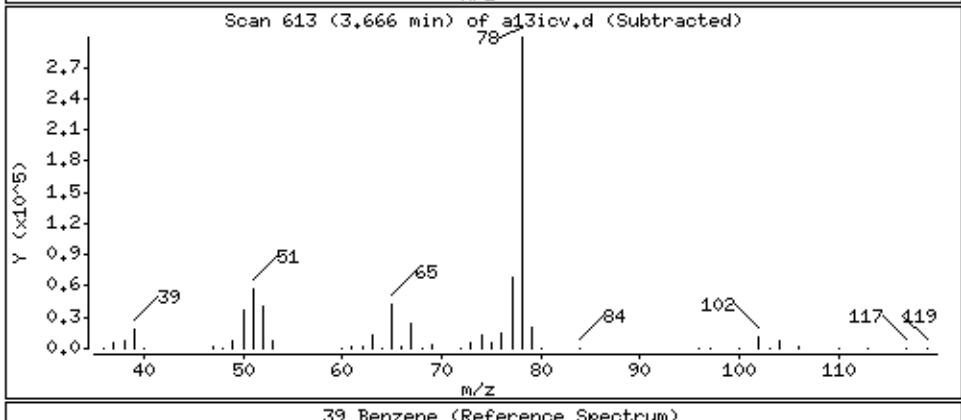
Column phase: DB-624

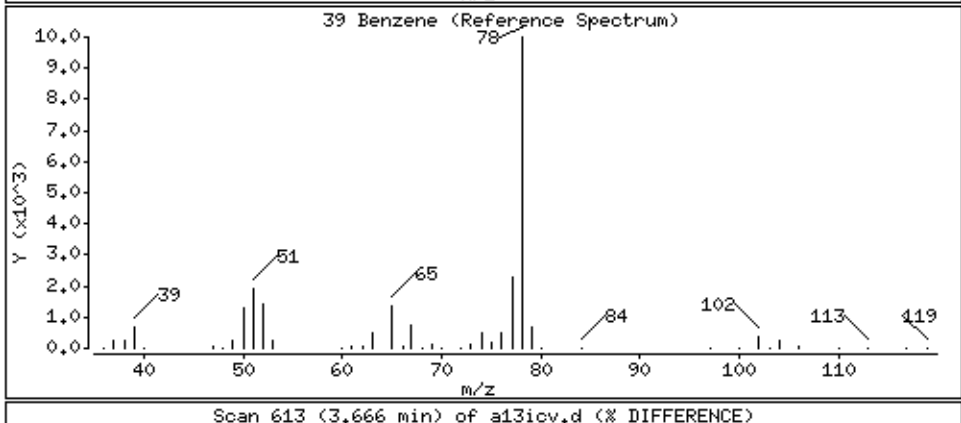
Column diameter: 0.18

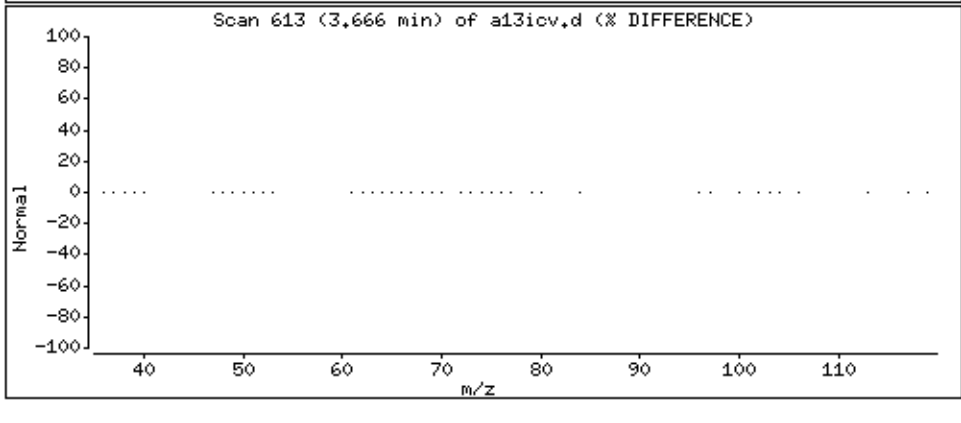
39 Benzene

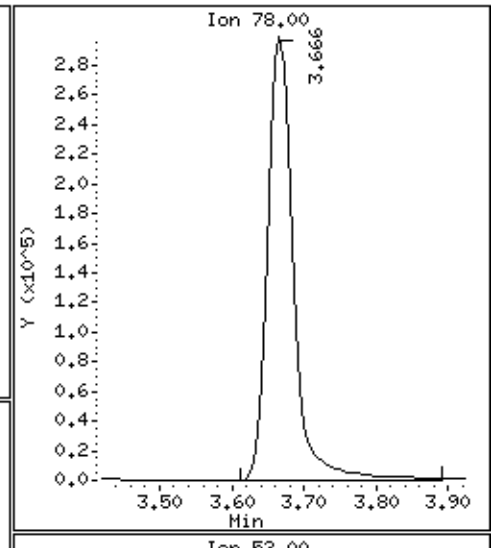
Concentration: 44.9 ppb

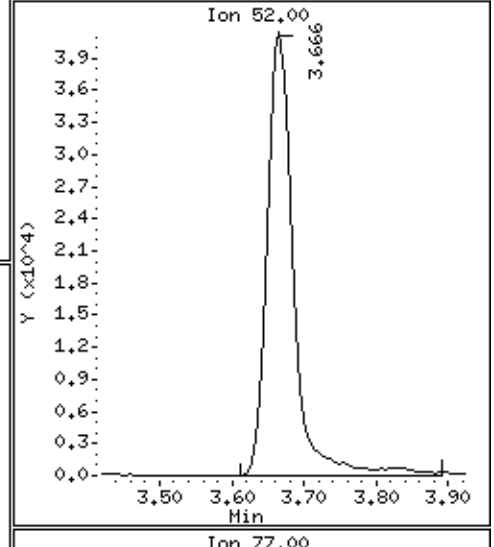


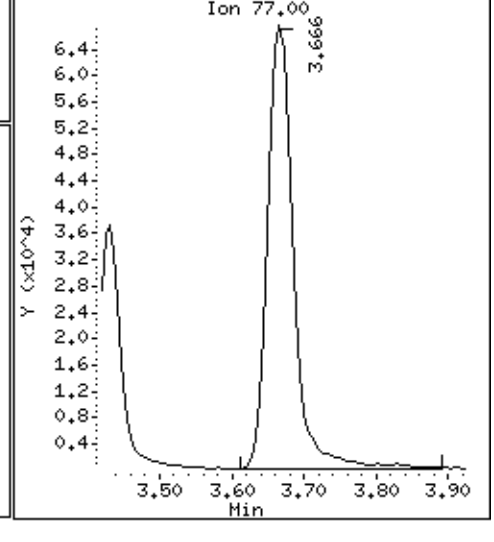












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

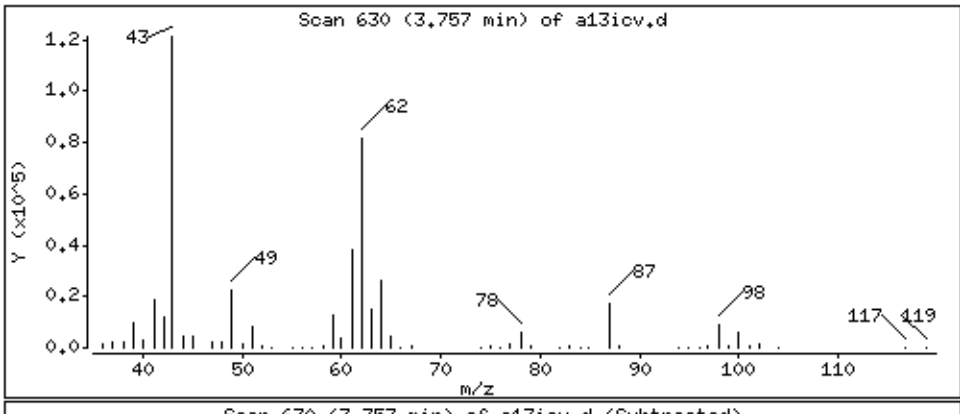
Operator: ala

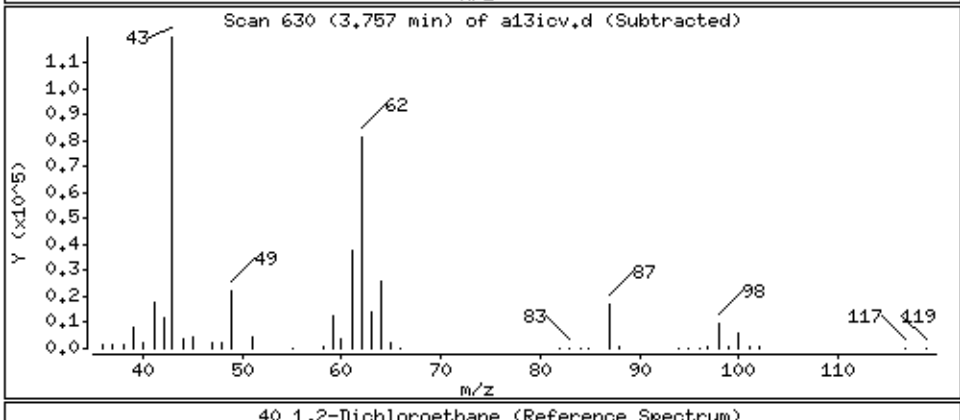
Column phase: DB-624

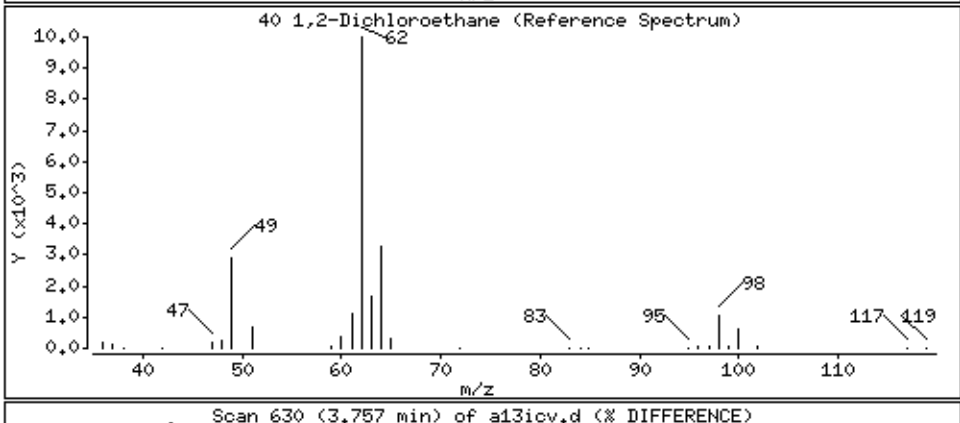
Column diameter: 0.18

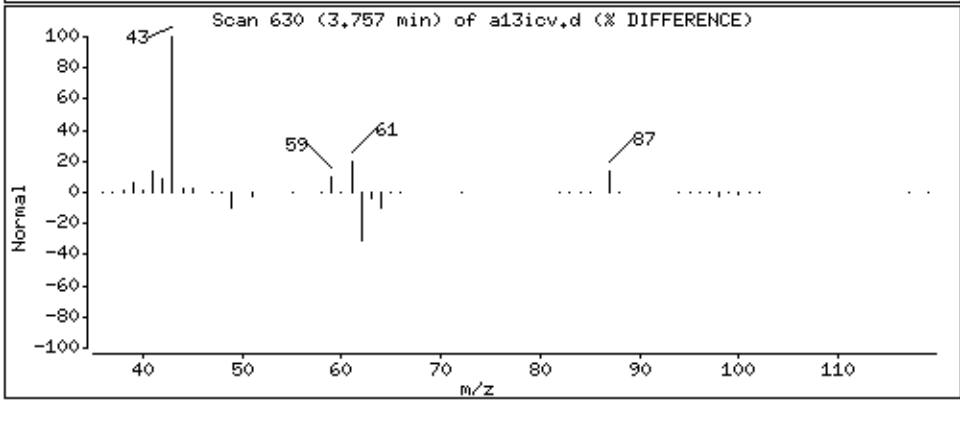
40 1,2-Dichloroethane

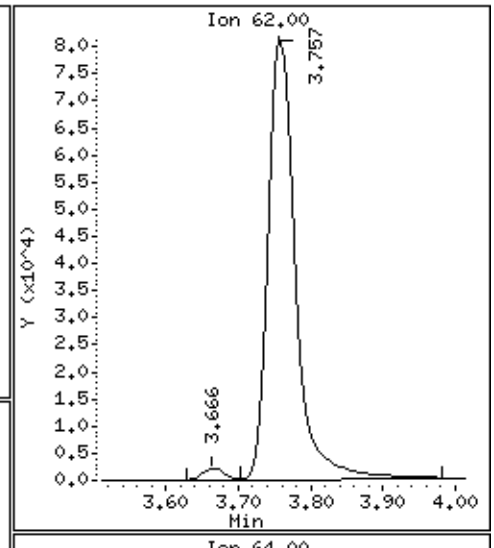
Concentration: 41.8 ppb

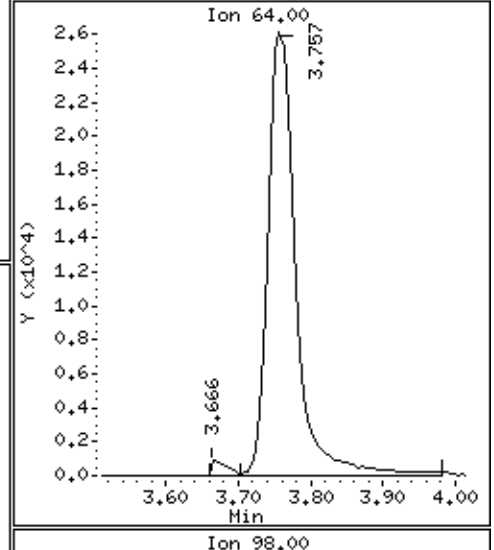


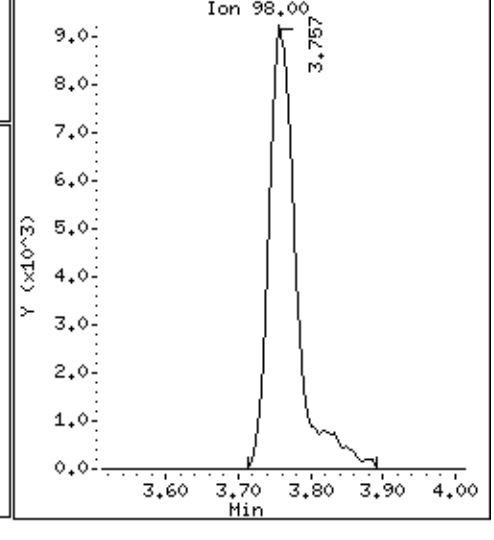












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

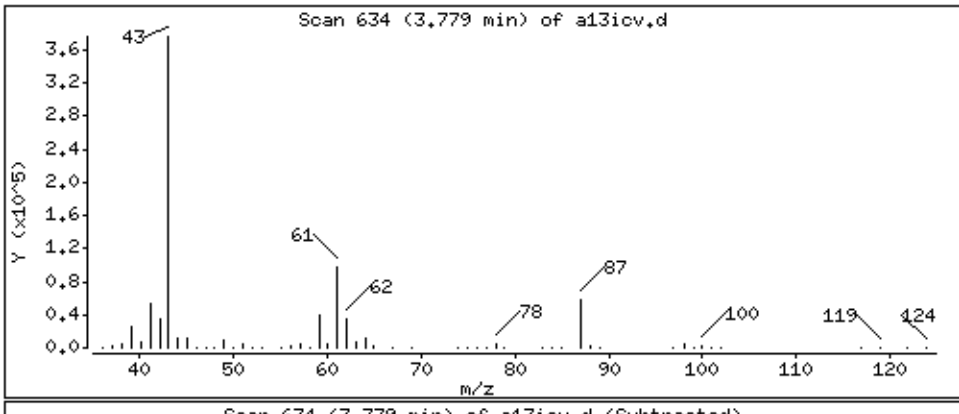
Operator: ala

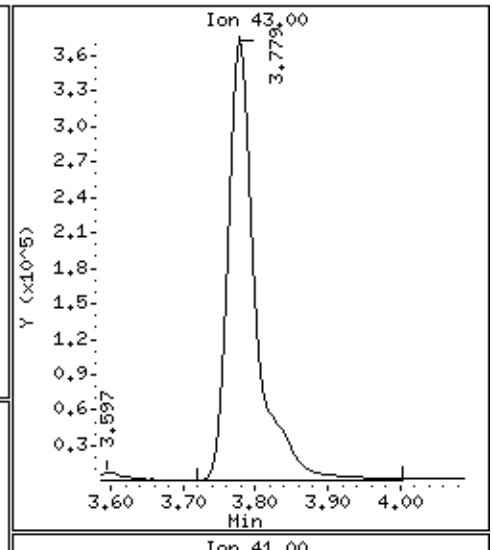
Column phase: DB-624

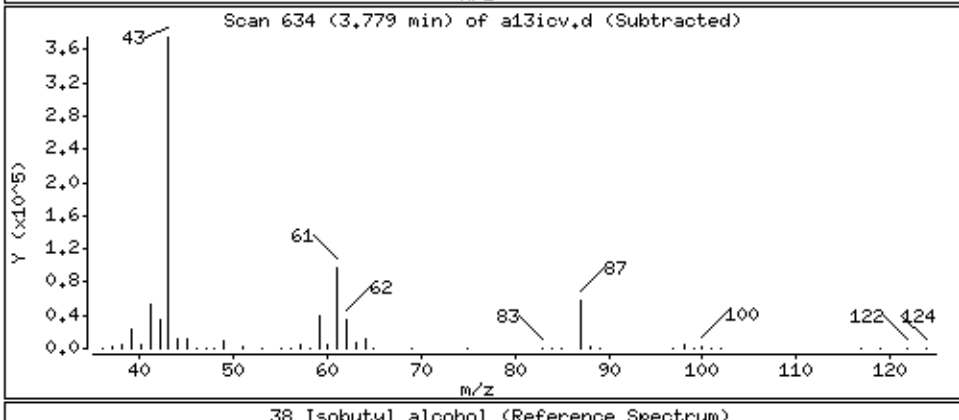
Column diameter: 0.18

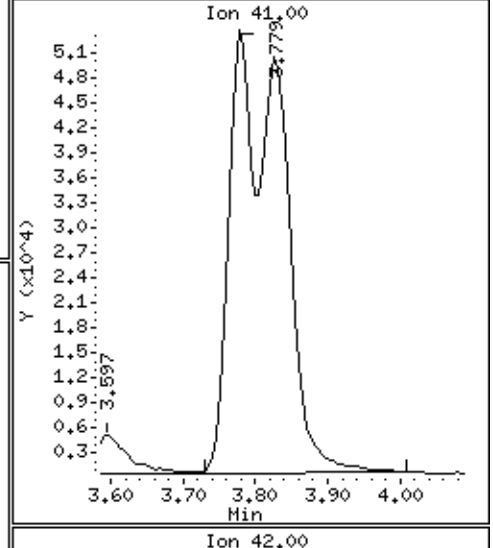
38 Isobutyl alcohol

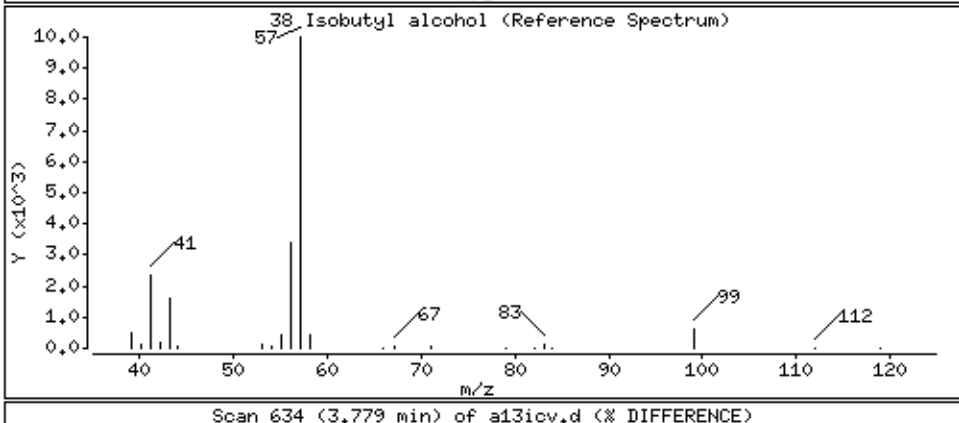
Concentration: 443 ppb

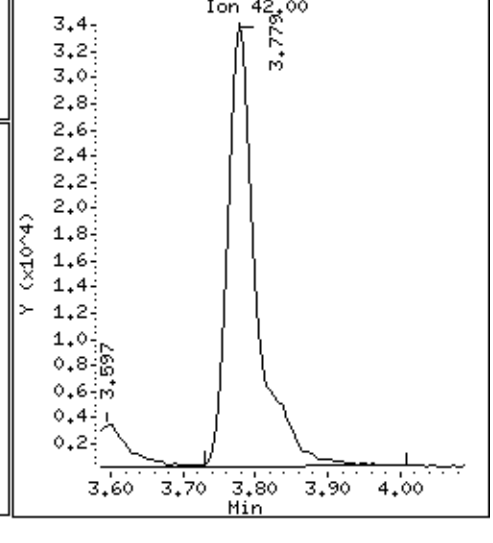


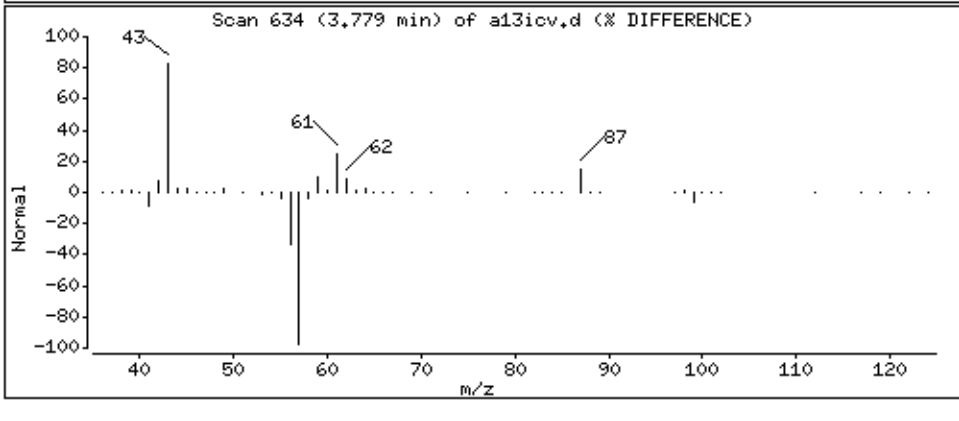












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

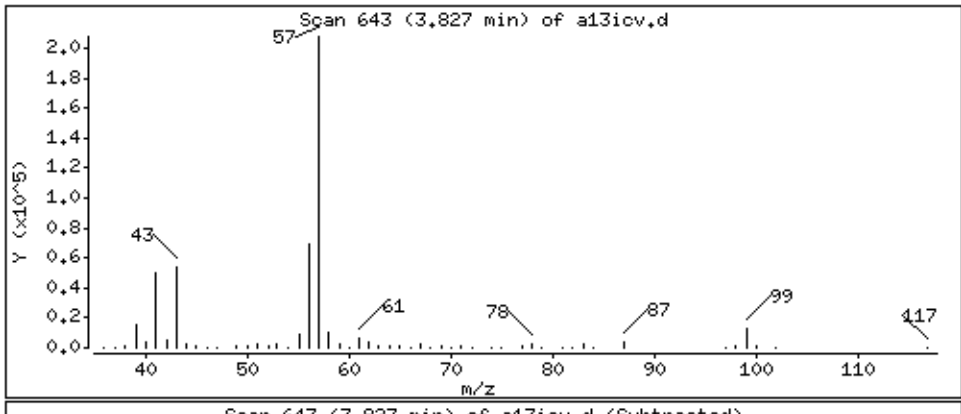
Operator: ala

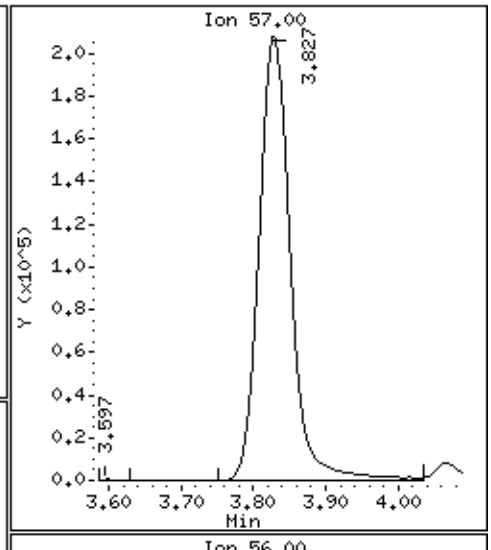
Column phase: DB-624

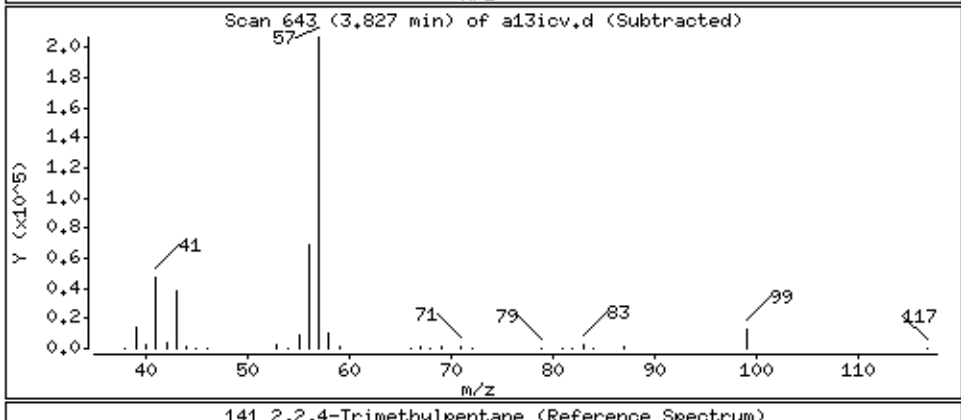
Column diameter: 0.18

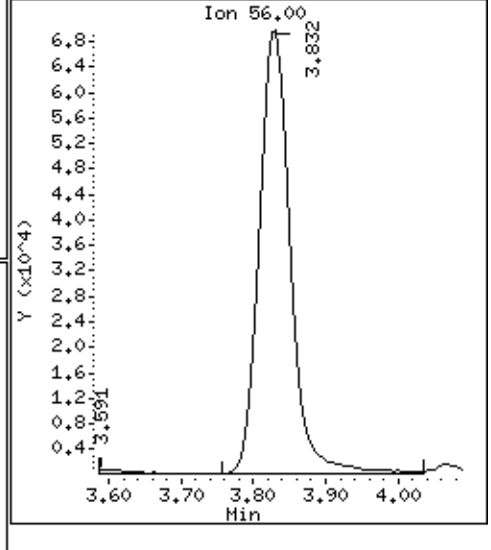
141 2,2,4-Trimethylpentane

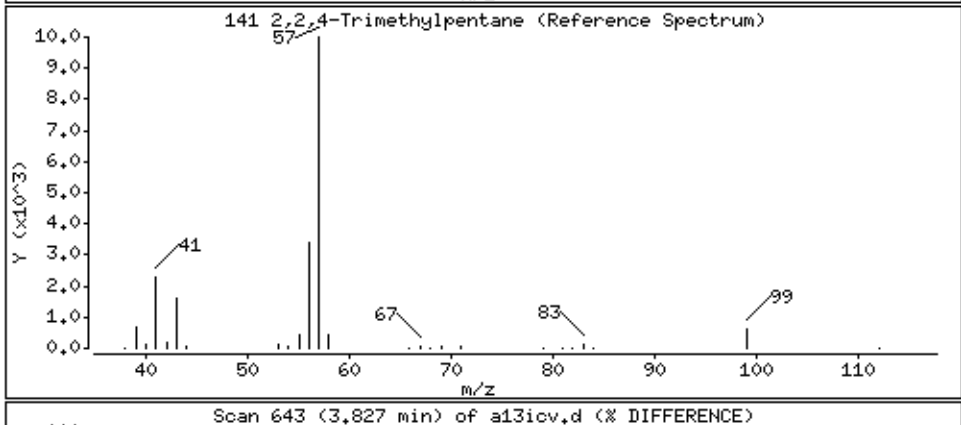
Concentration: 44.0 ppb

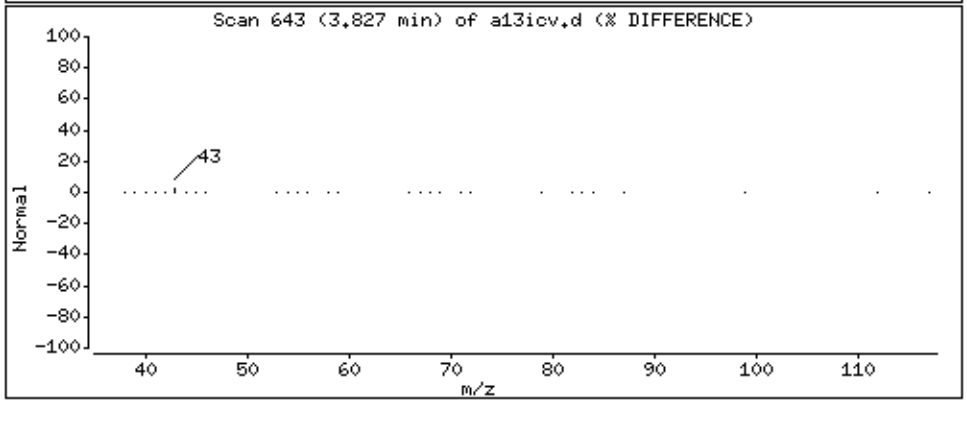












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

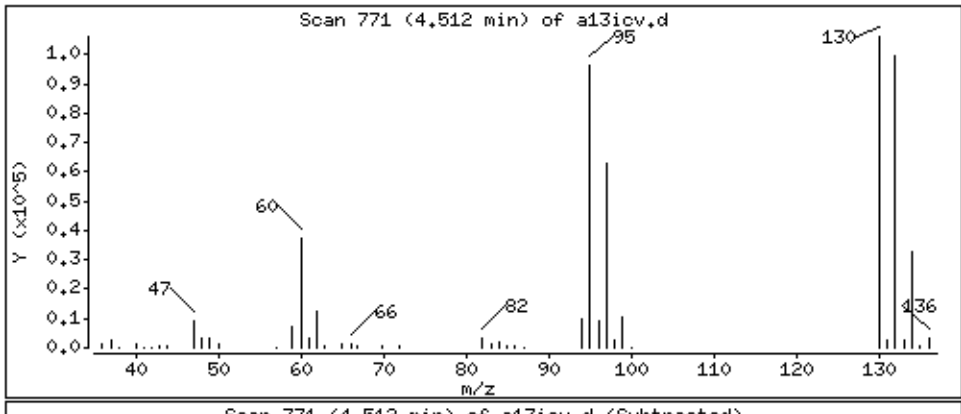
Operator: ala

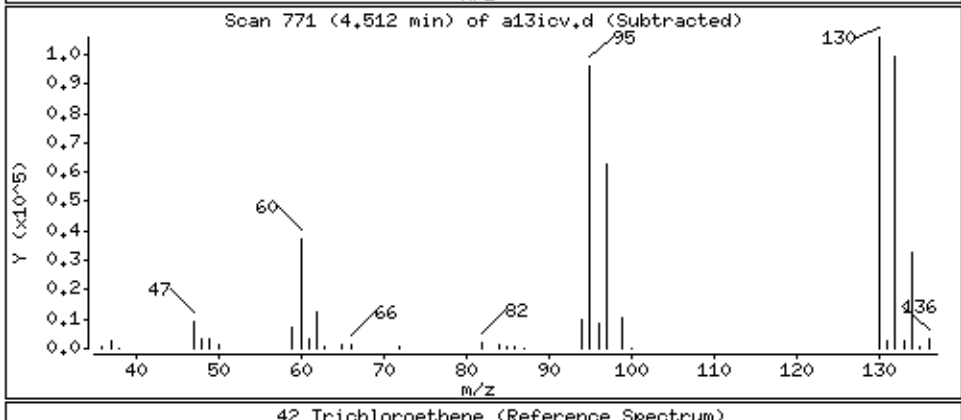
Column phase: DB-624

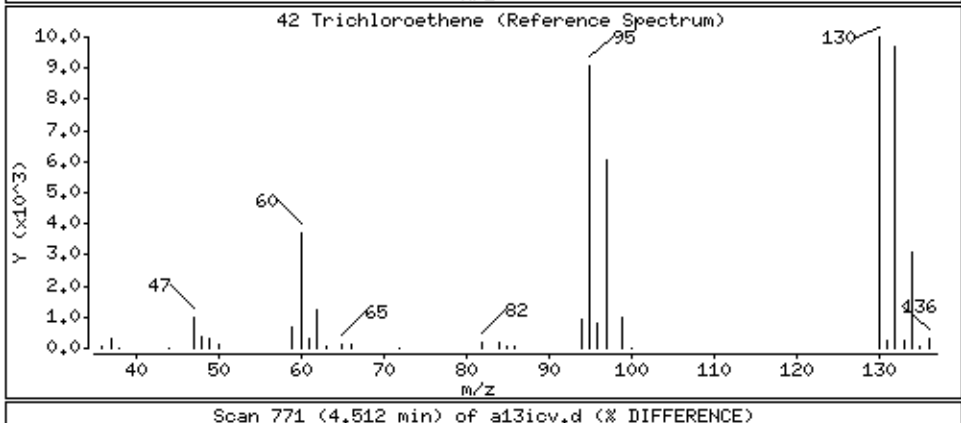
Column diameter: 0.18

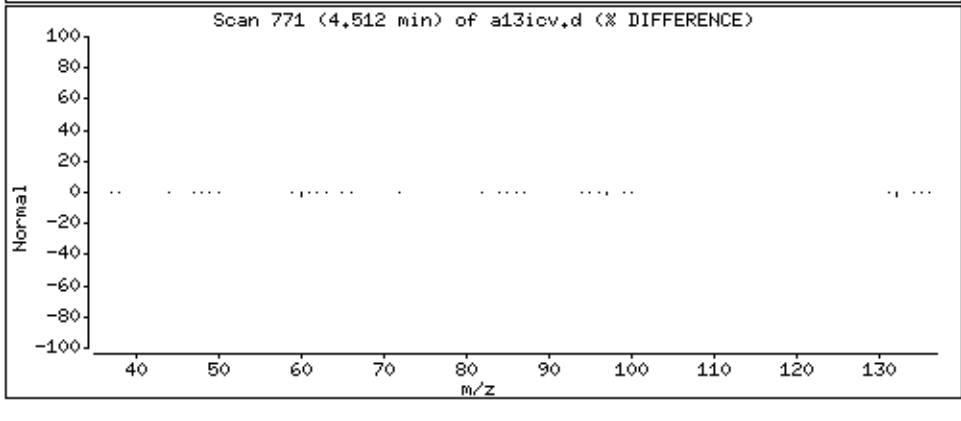
42 Trichloroethene

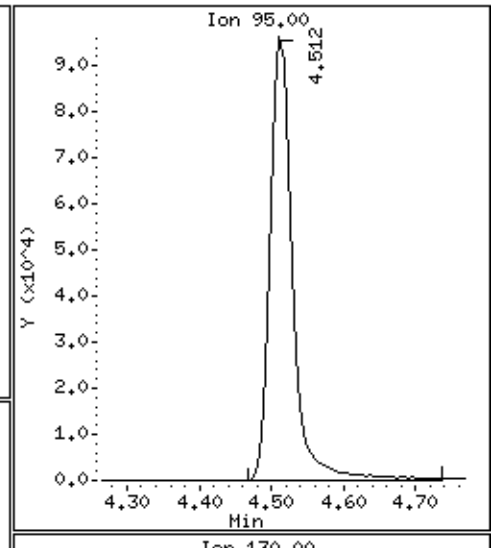
Concentration: 45.2 ppb

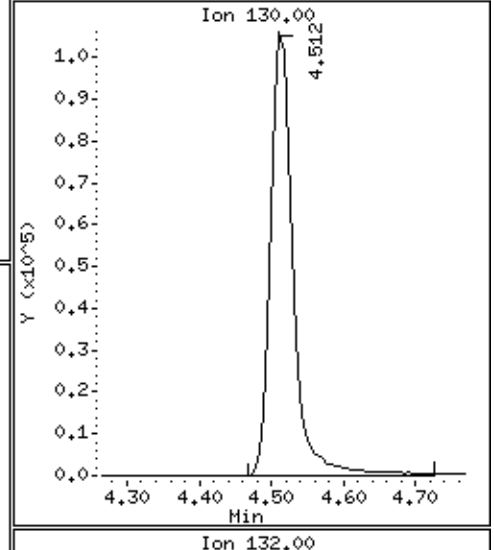


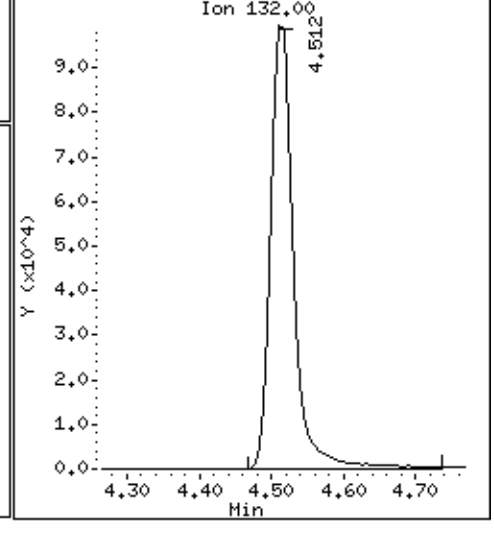












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

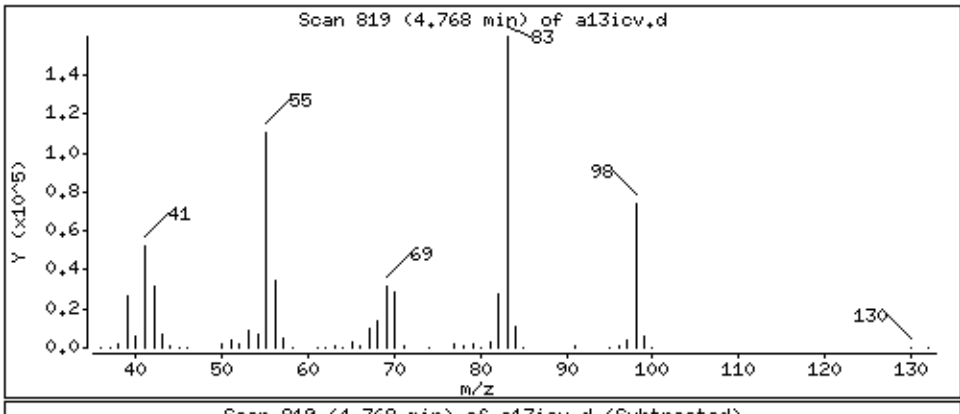
Operator: ala

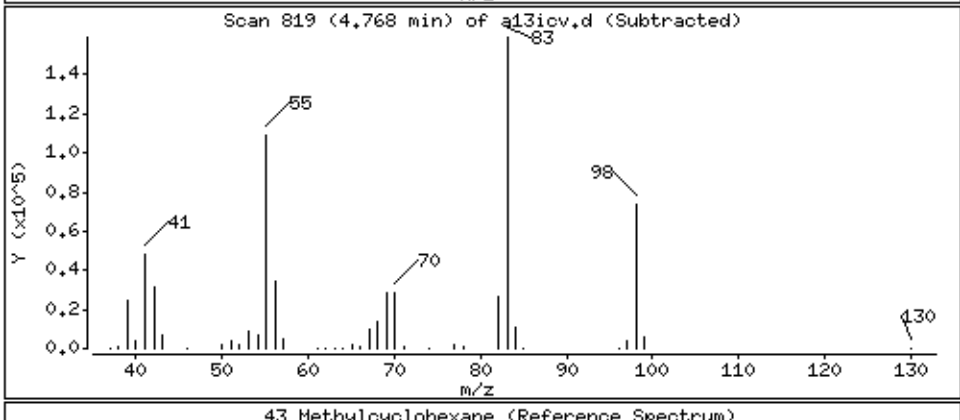
Column phase: DB-624

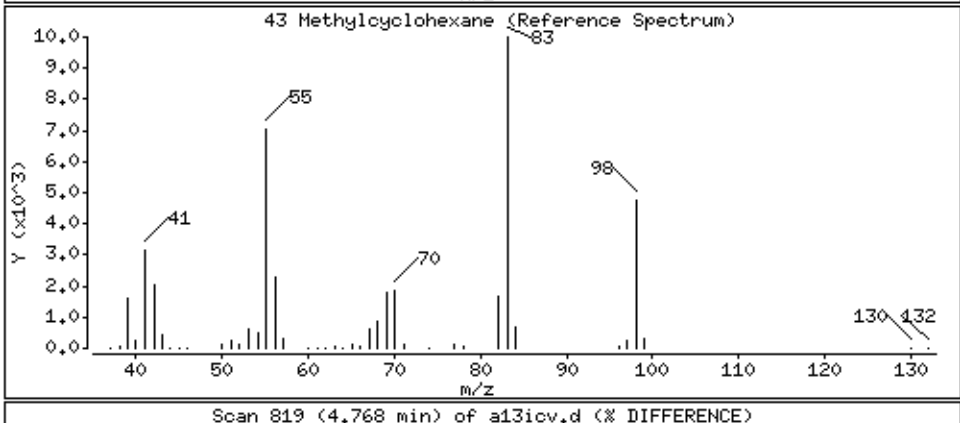
Column diameter: 0.18

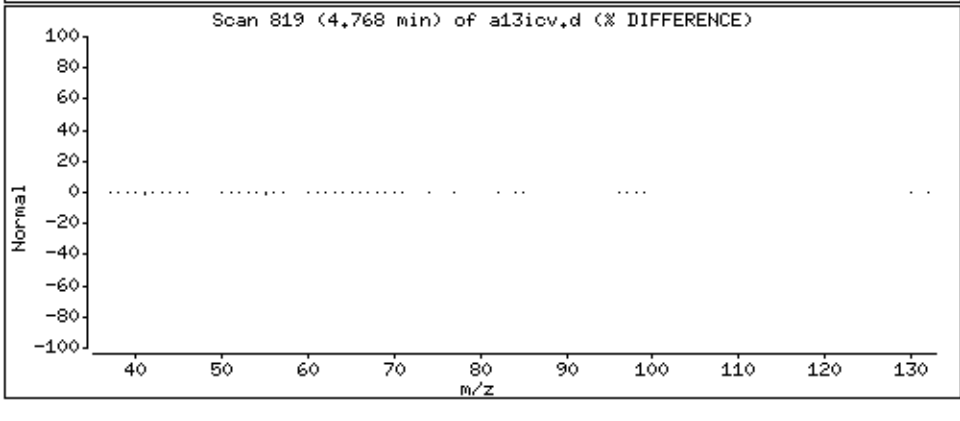
43 Methylcyclohexane

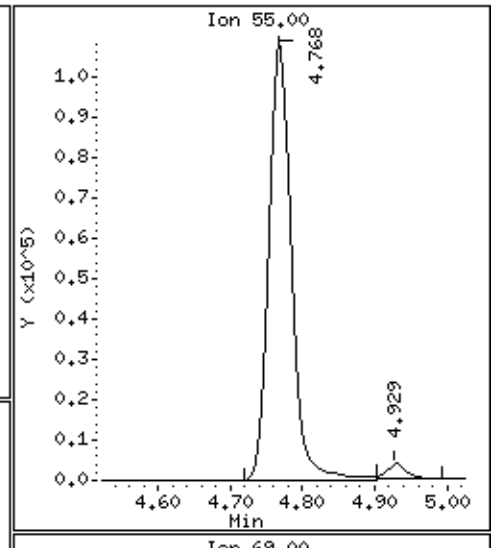
Concentration: 47.9 ppb

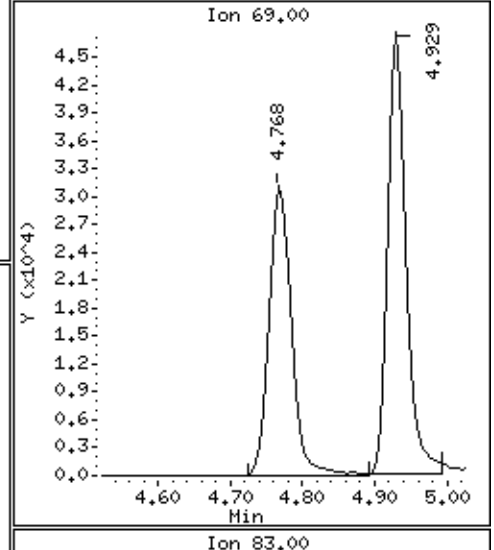


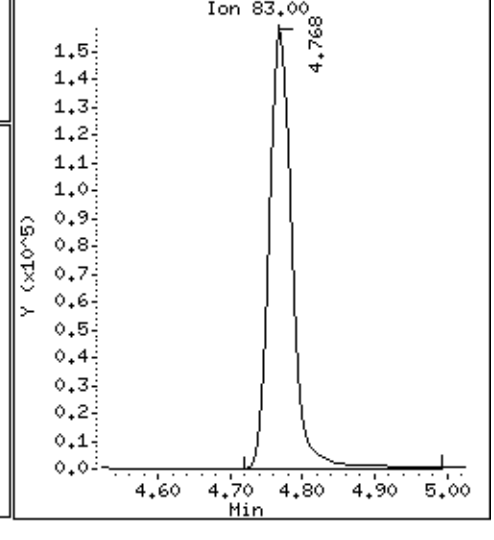












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

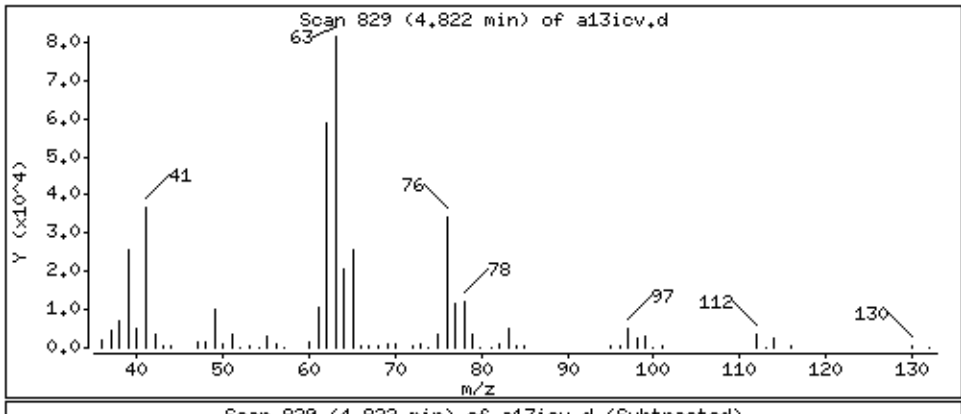
Operator: ala

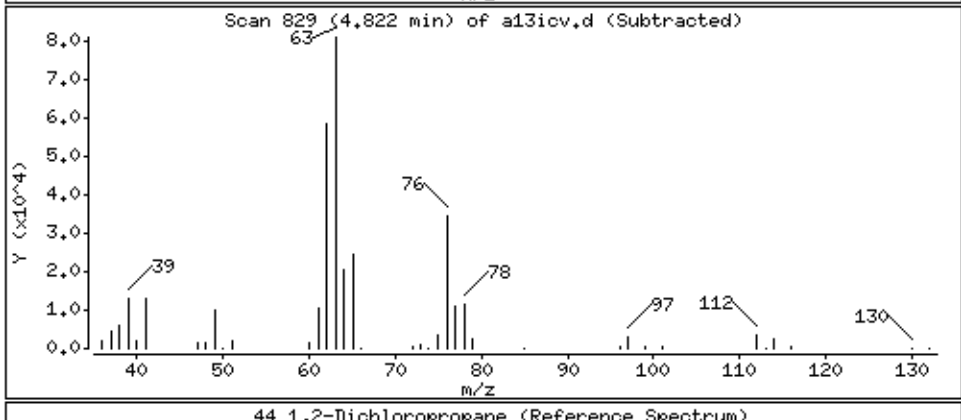
Column phase: DB-624

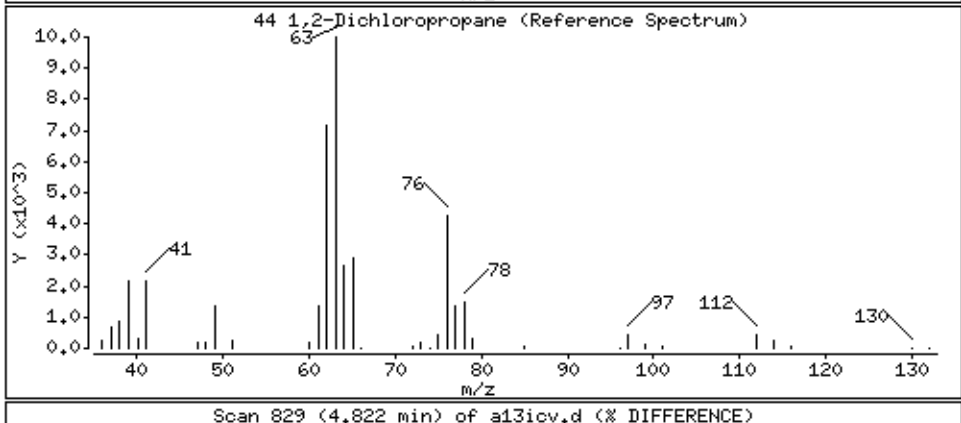
Column diameter: 0.18

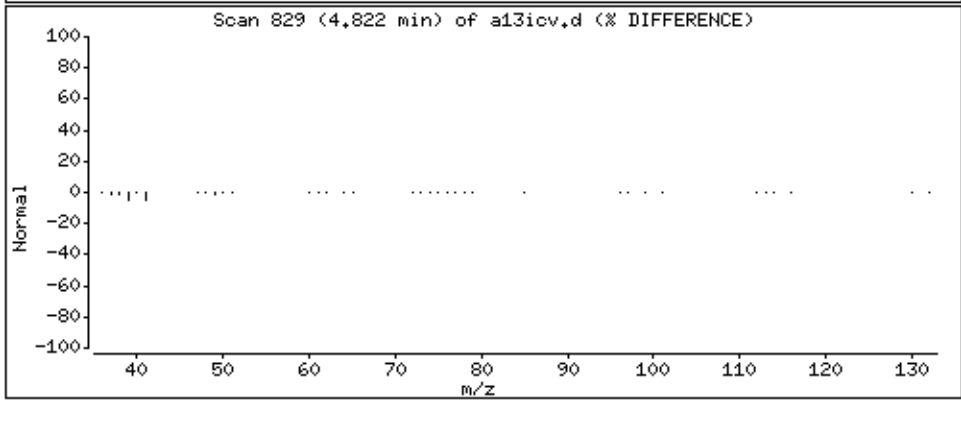
44 1,2-Dichloropropane

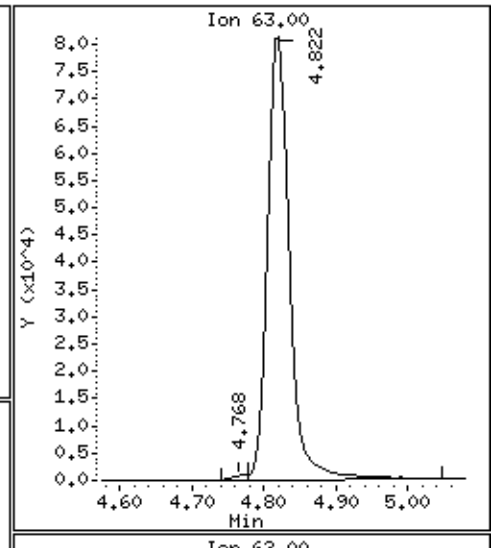
Concentration: 44.5 ppb

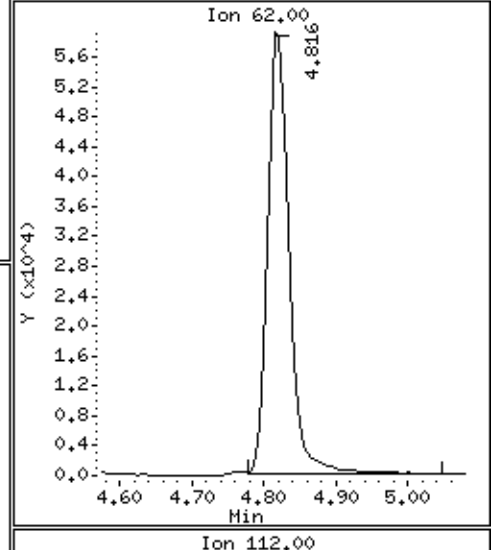


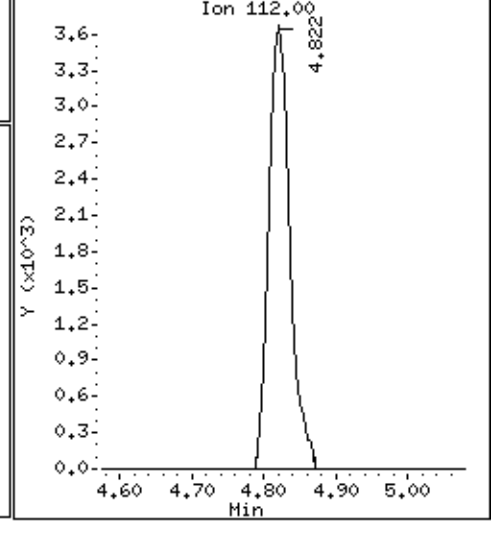












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

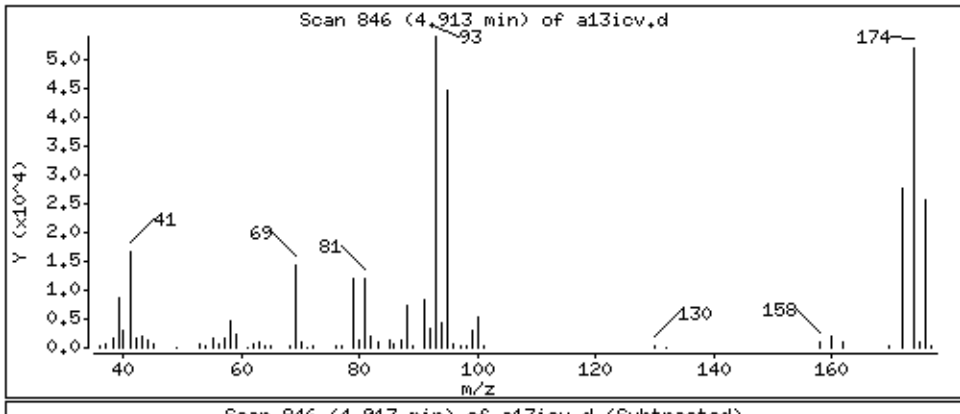
Operator: ala

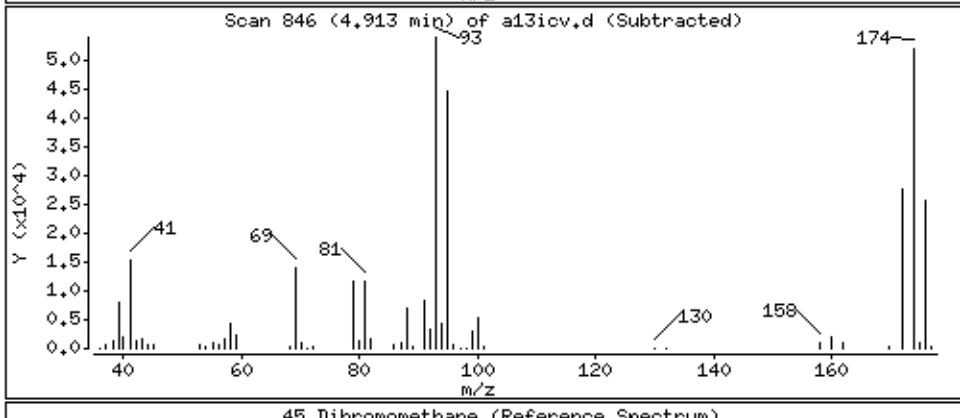
Column phase: DB-624

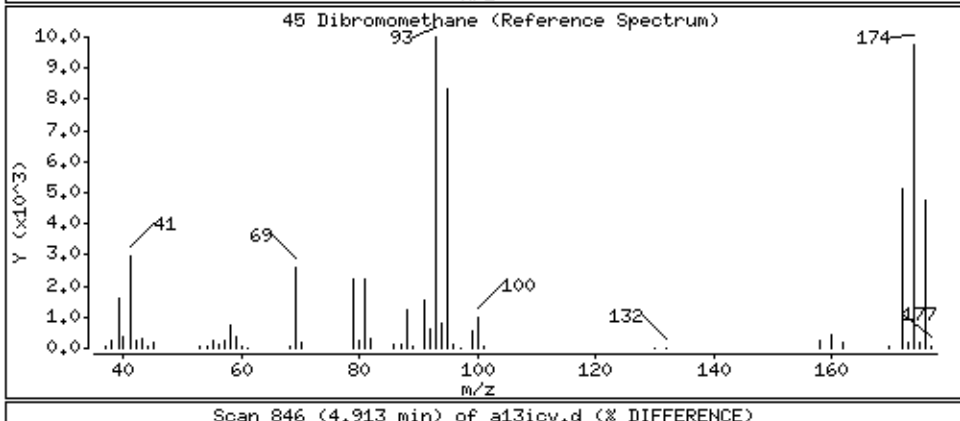
Column diameter: 0.18

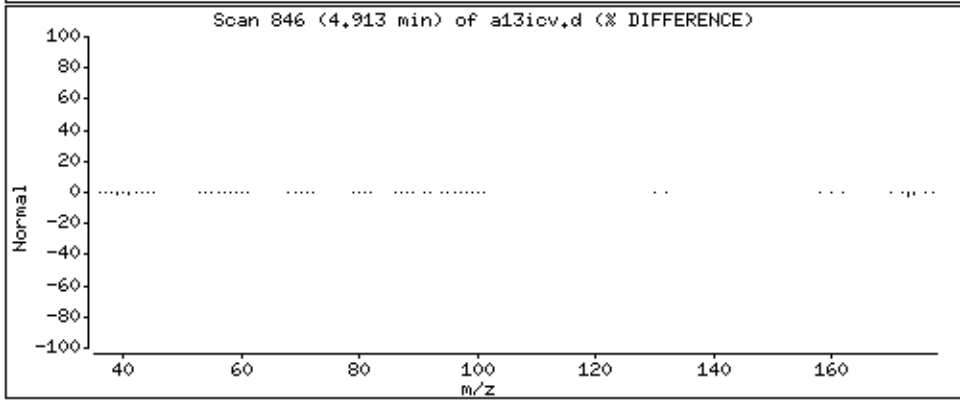
45 Dibromomethane

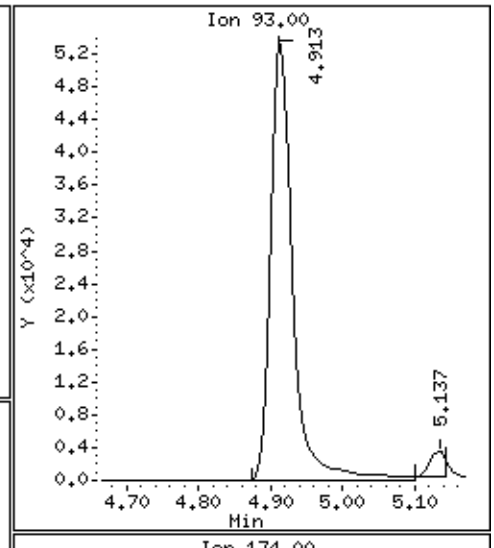
Concentration: 41.5 ppb

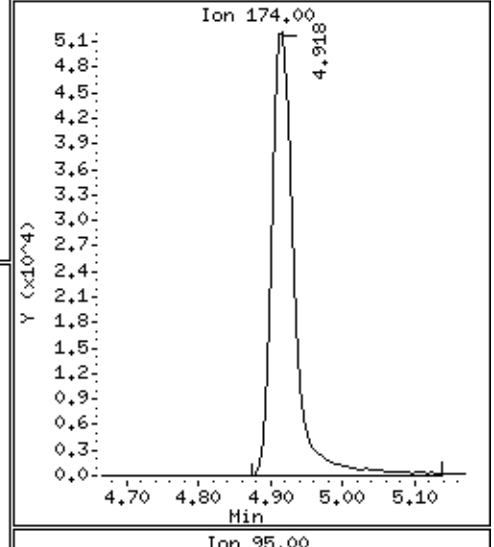


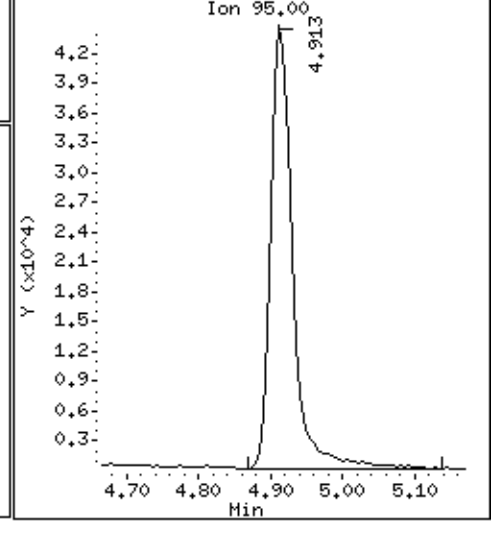












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

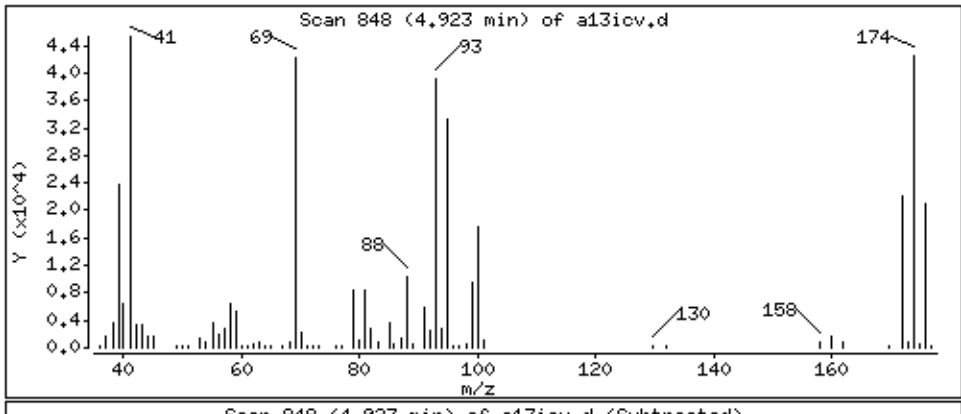
Operator: ala

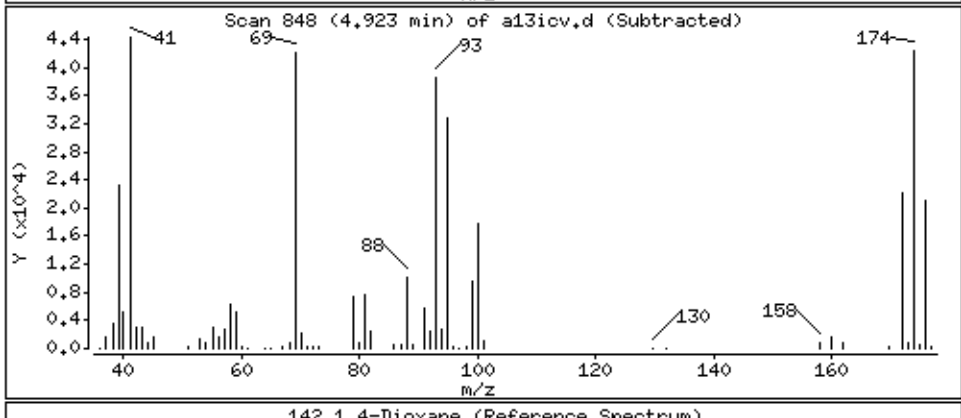
Column phase: DB-624

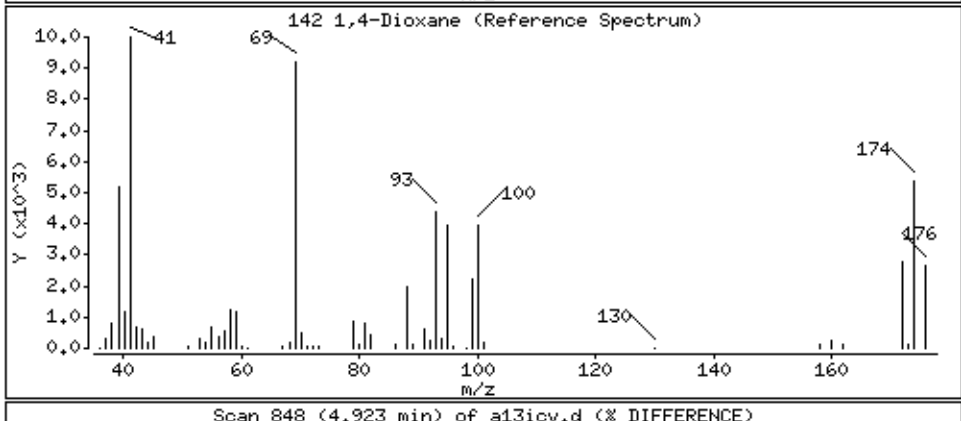
Column diameter: 0.18

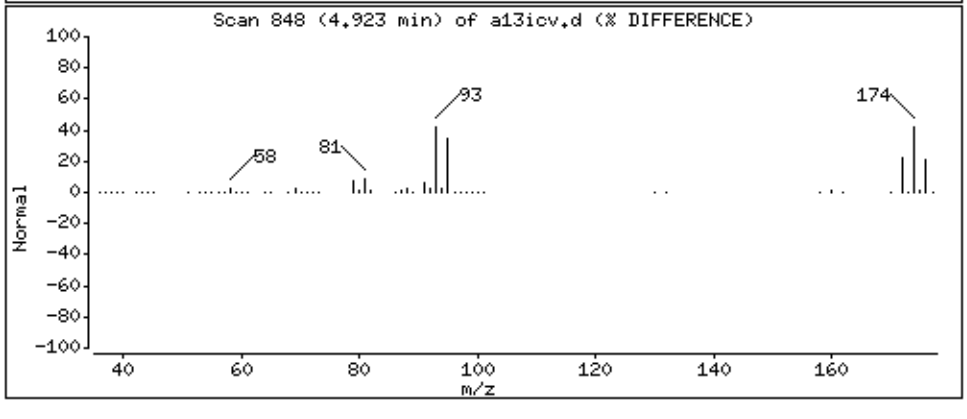
142 1,4-Dioxane

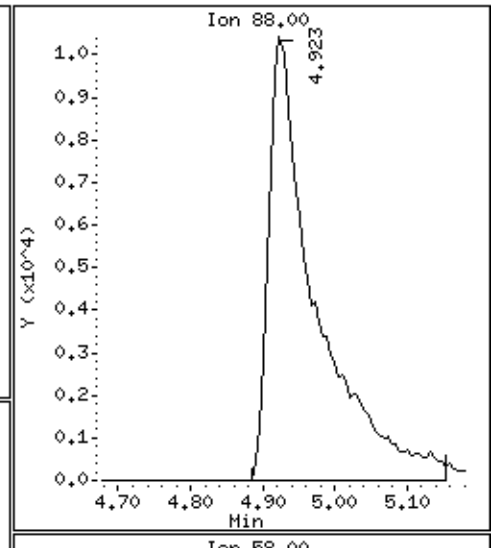
Concentration: 856 ppb

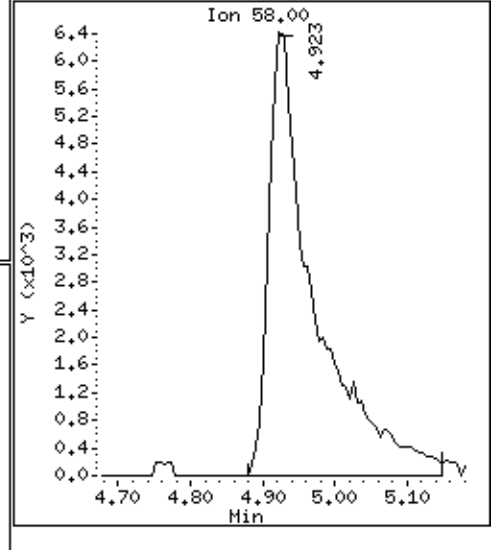












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

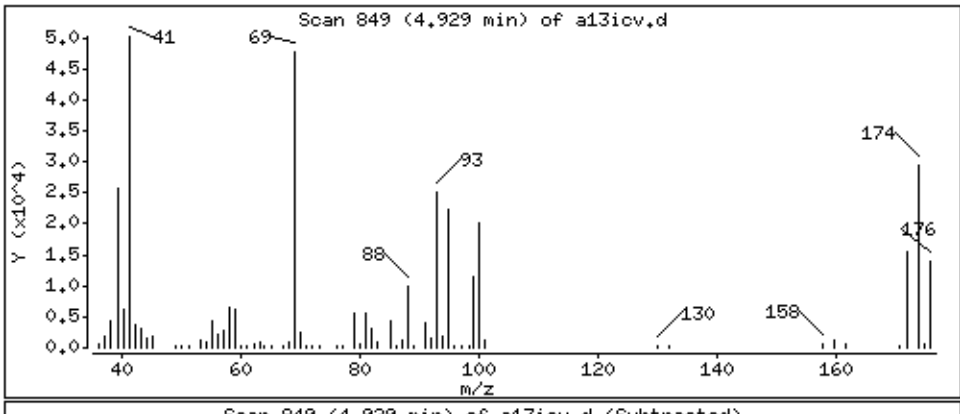
Operator: ala

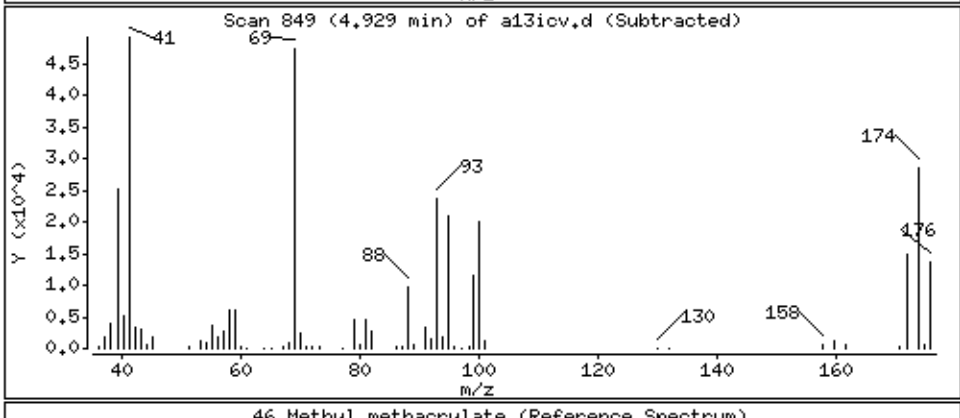
Column phase: DB-624

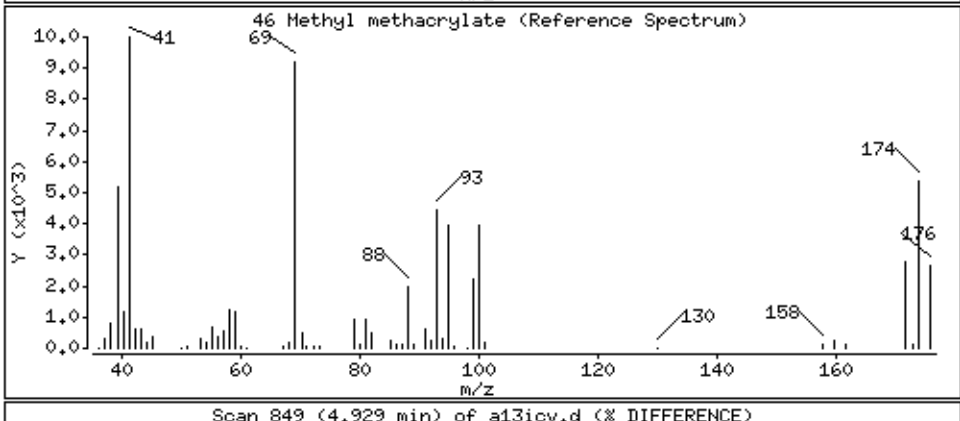
Column diameter: 0.18

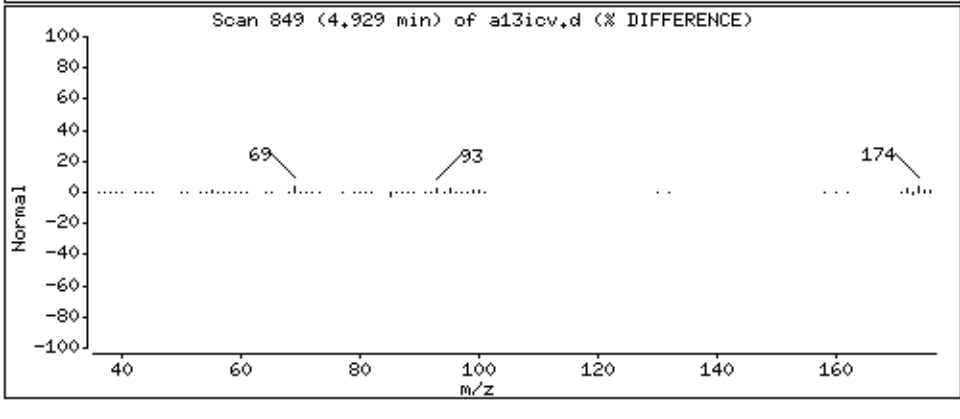
46 Methyl methacrylate

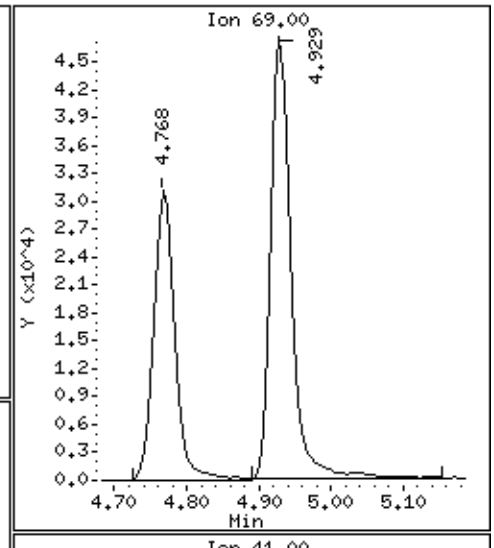
Concentration: 48.4 ppb

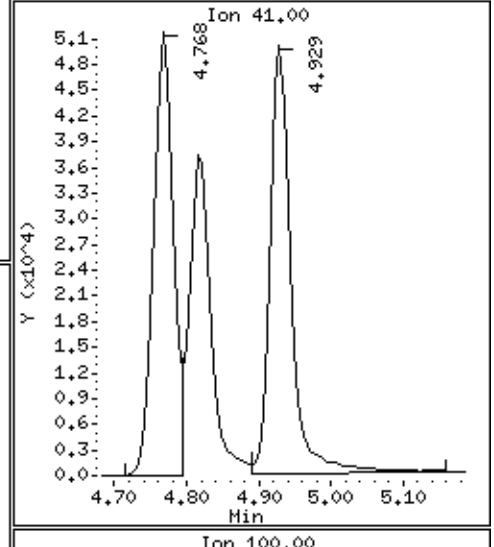


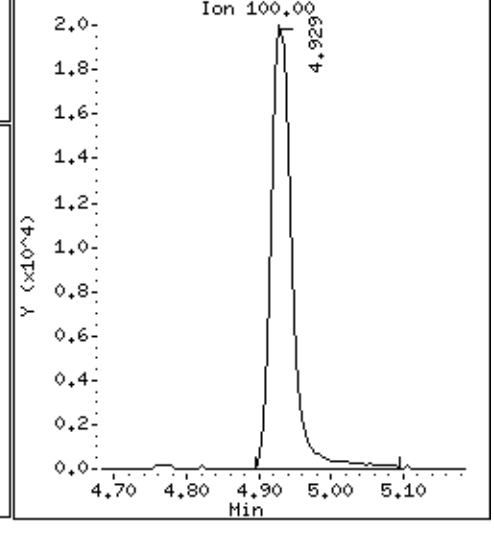












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

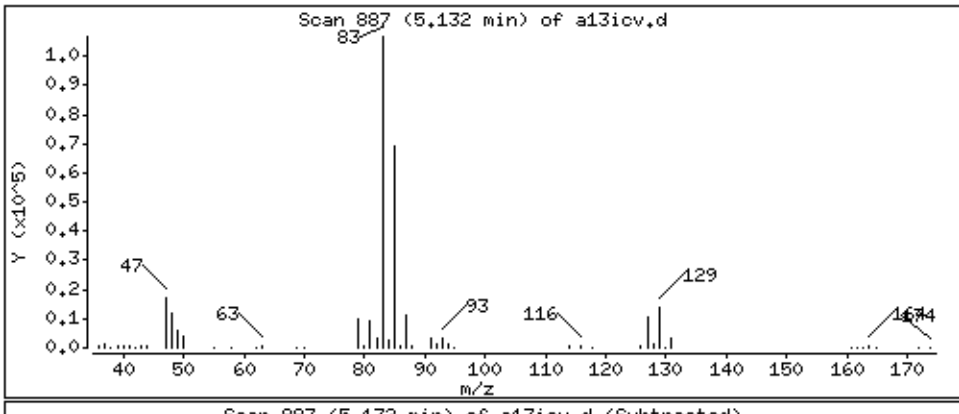
Operator: ala

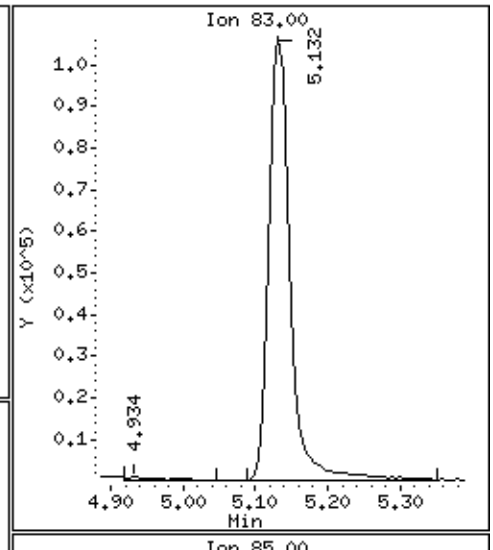
Column phase: DB-624

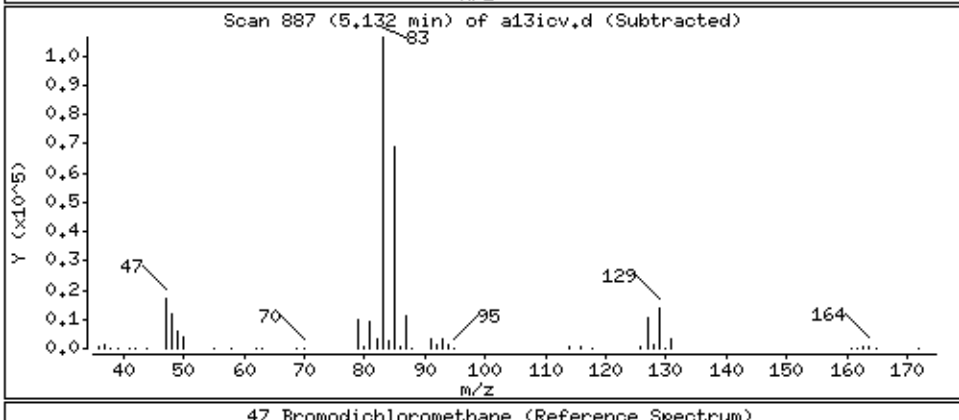
Column diameter: 0.18

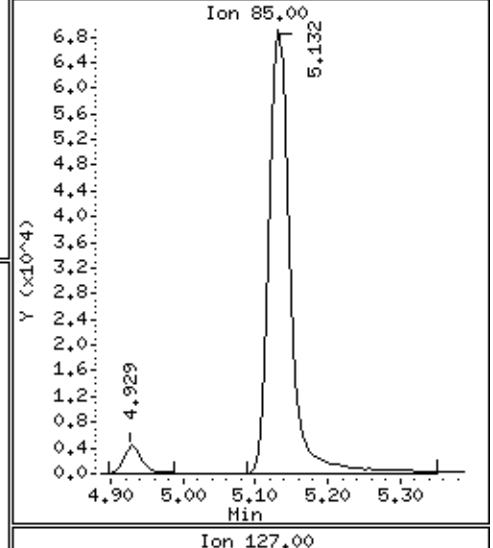
47 Bromodichloromethane

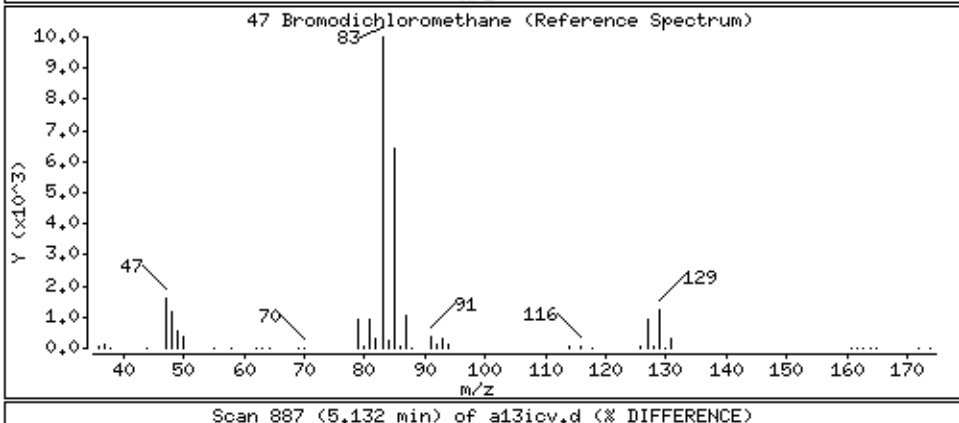
Concentration: 44.6 ppb

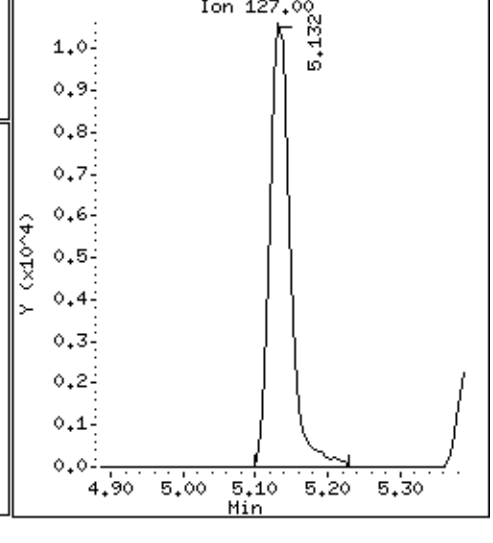


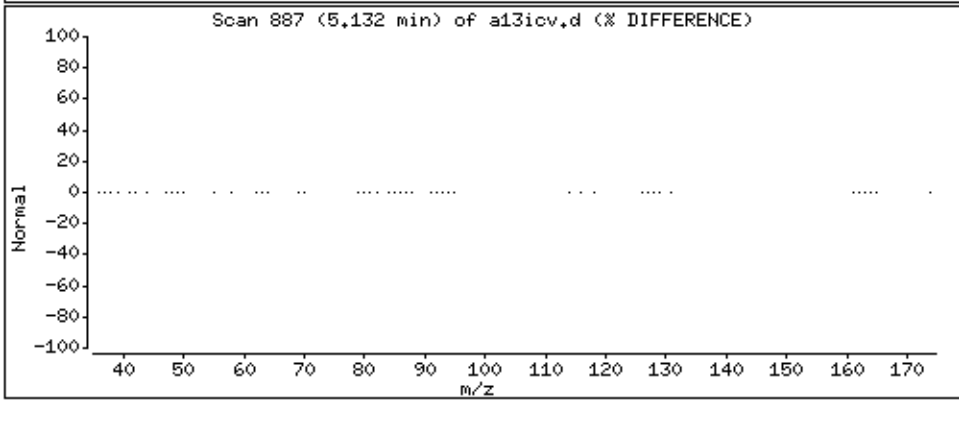












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

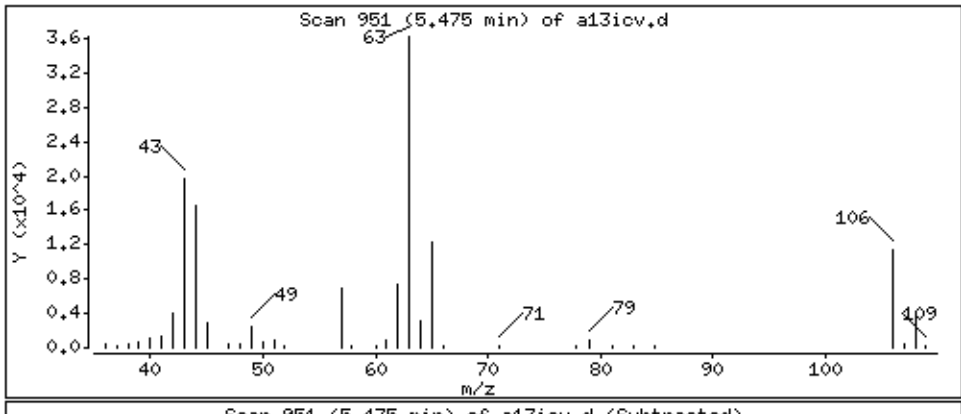
Operator: ala

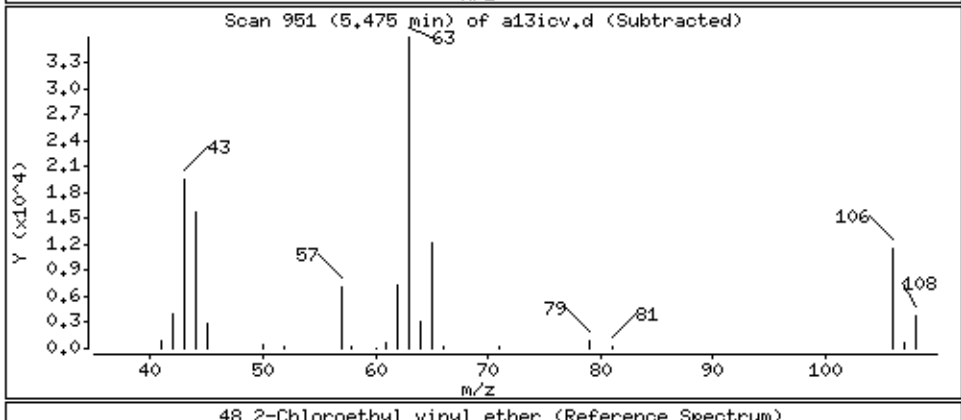
Column phase: DB-624

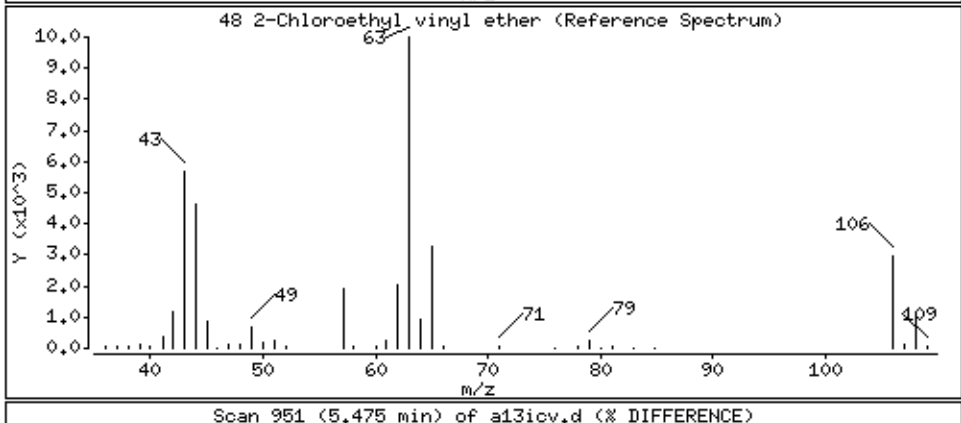
Column diameter: 0.18

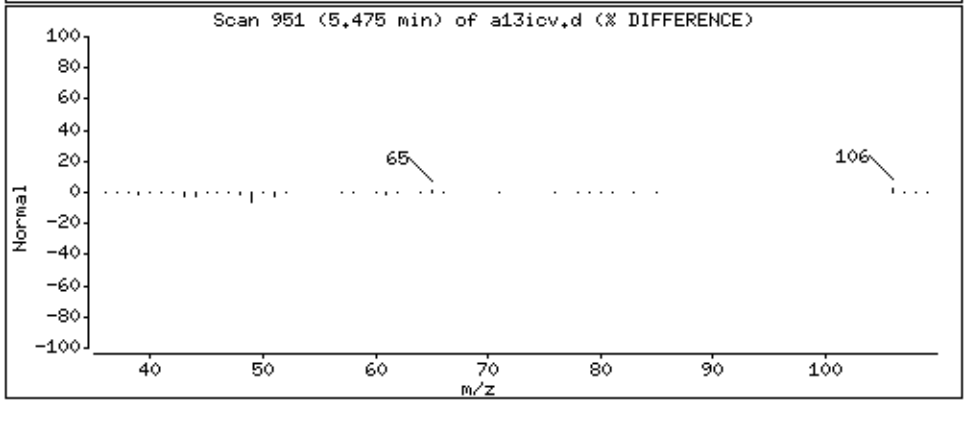
48 2-Chloroethyl vinyl ether

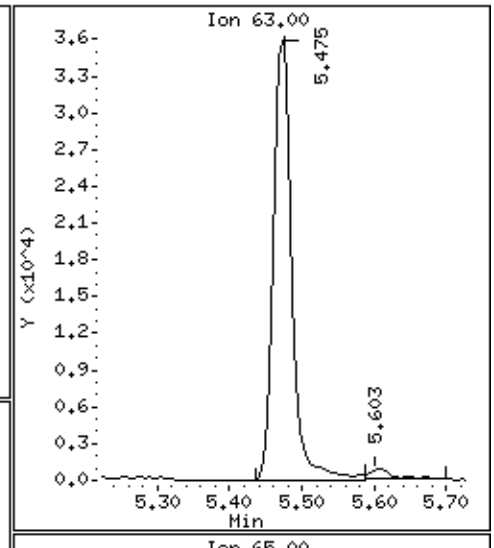
Concentration: 45.7 ppb

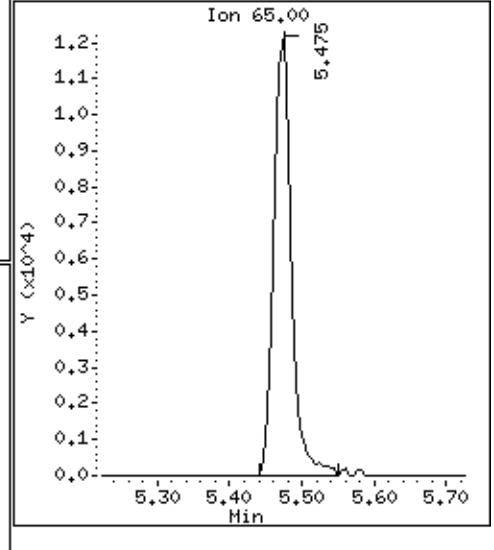












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

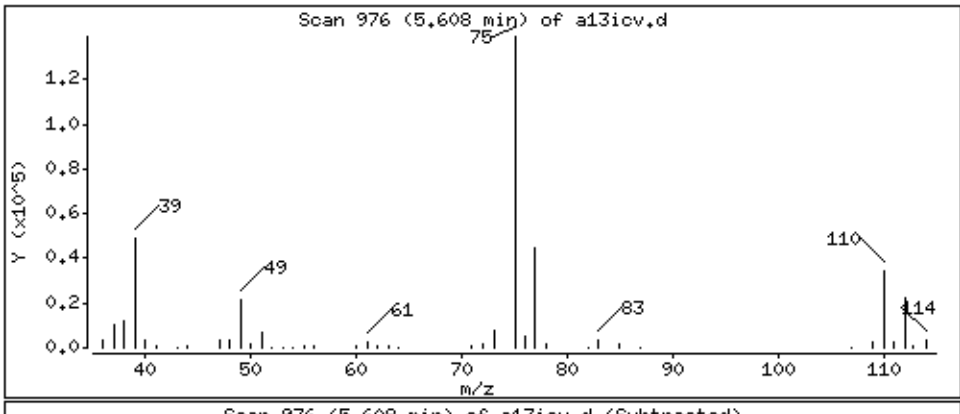
Operator: ala

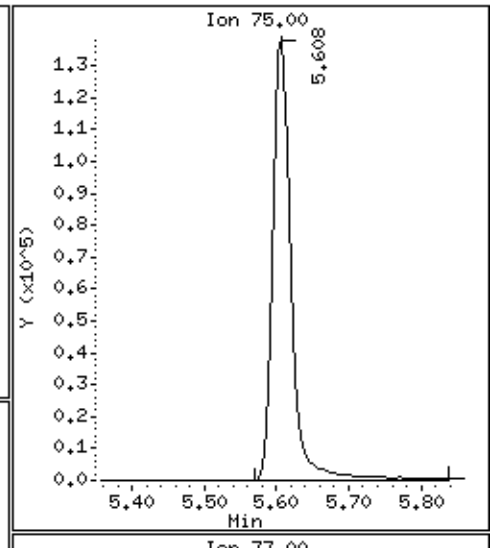
Column phase: DB-624

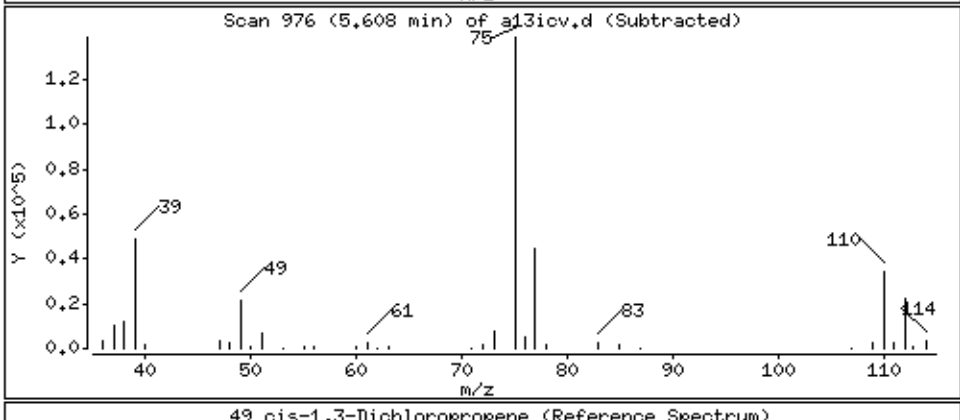
Column diameter: 0.18

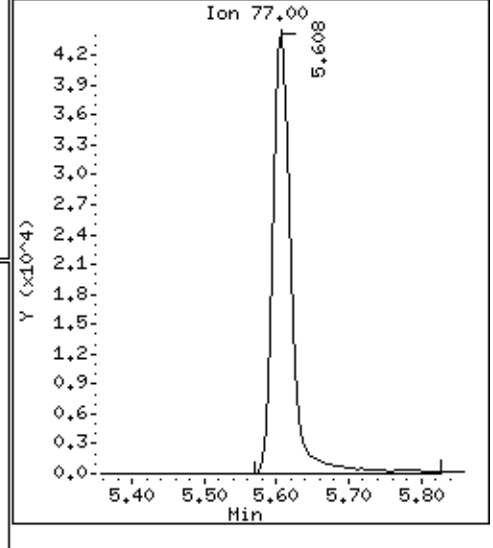
49 cis-1,3-Dichloropropene

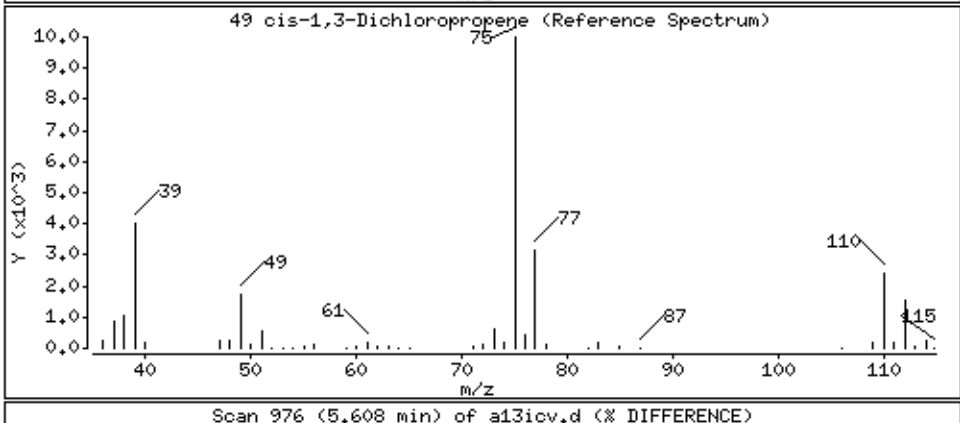
Concentration: 39.4 ppb

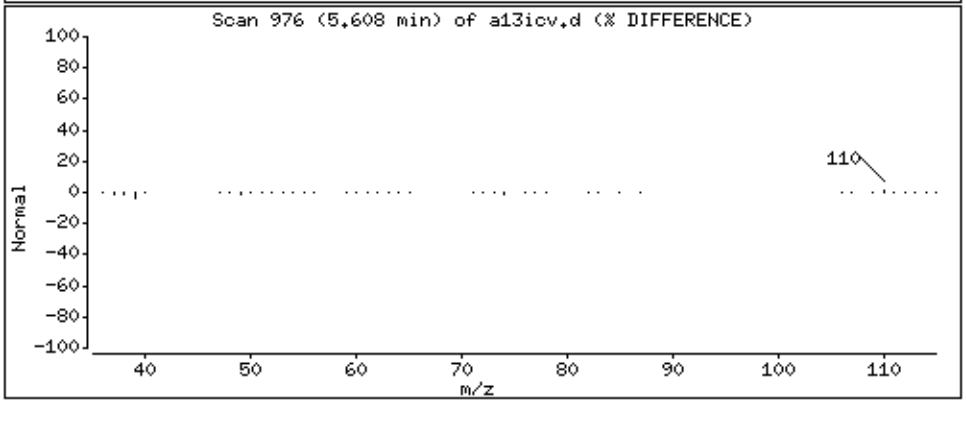












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

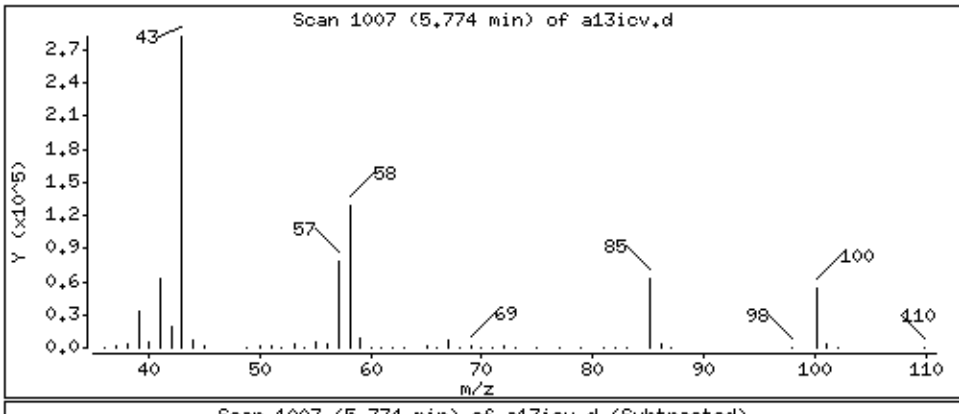
Operator: ala

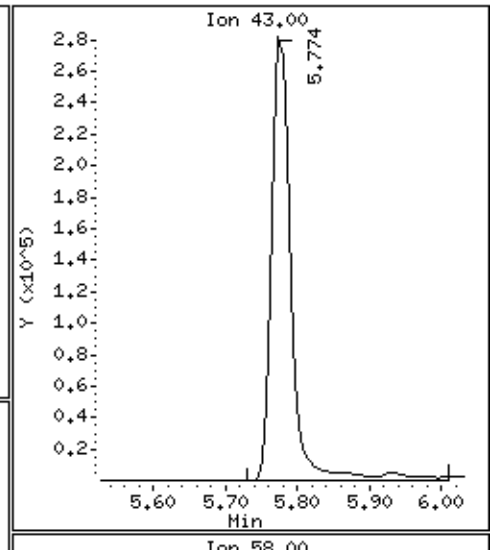
Column phase: DB-624

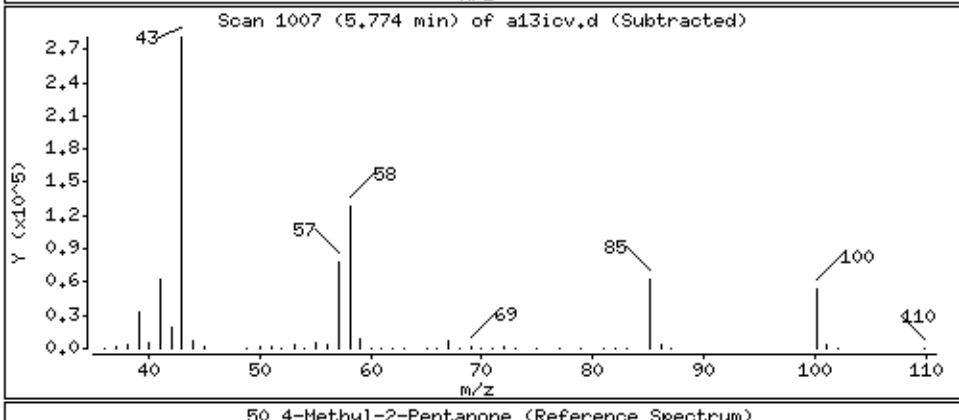
Column diameter: 0.18

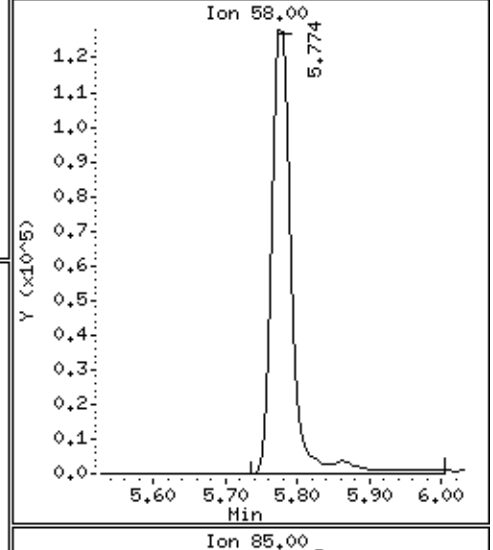
50 4-Methyl-2-Pentanone

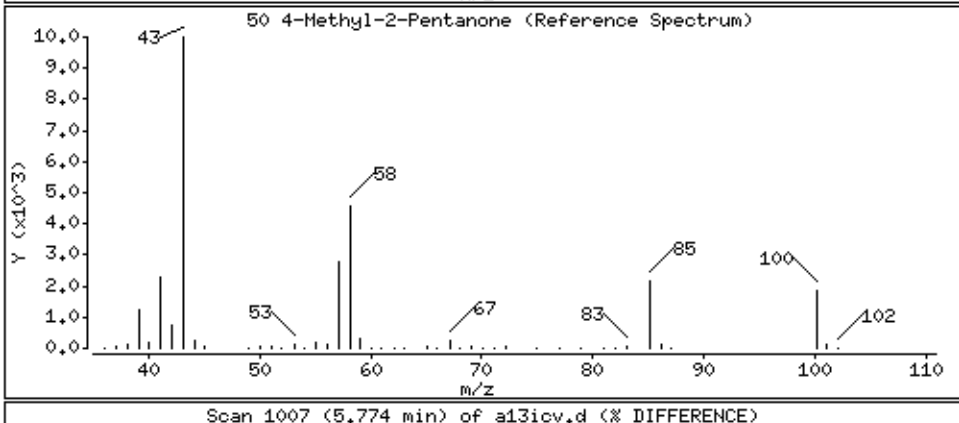
Concentration: 229 ppb

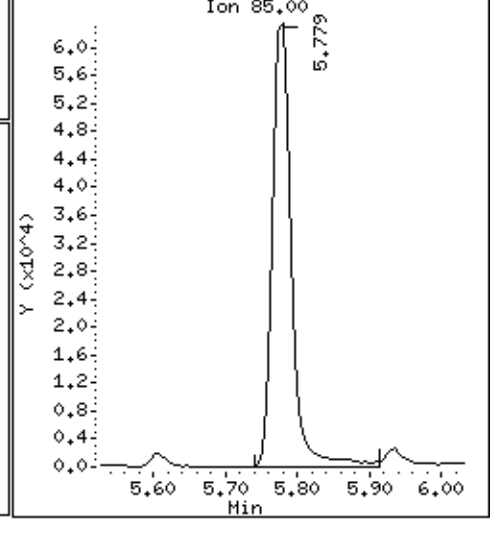


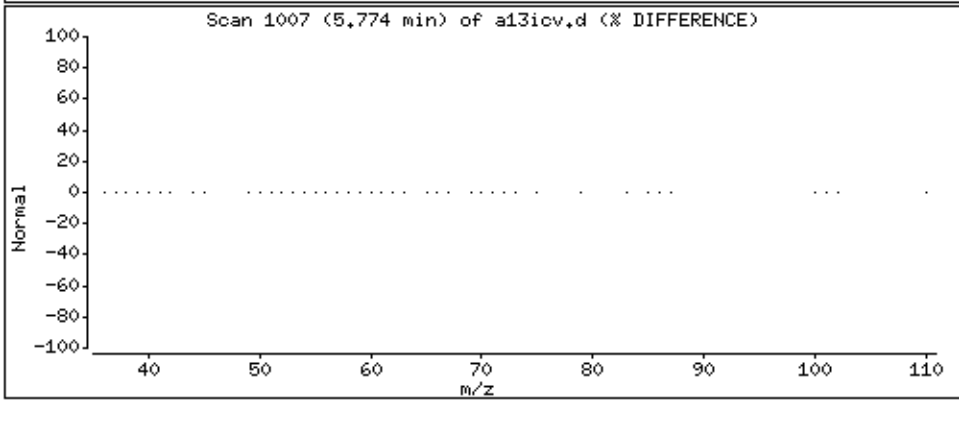












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

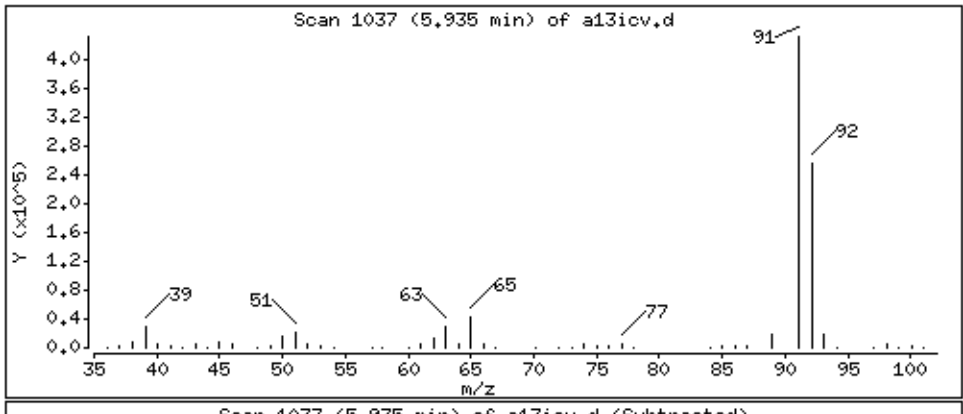
Operator: ala

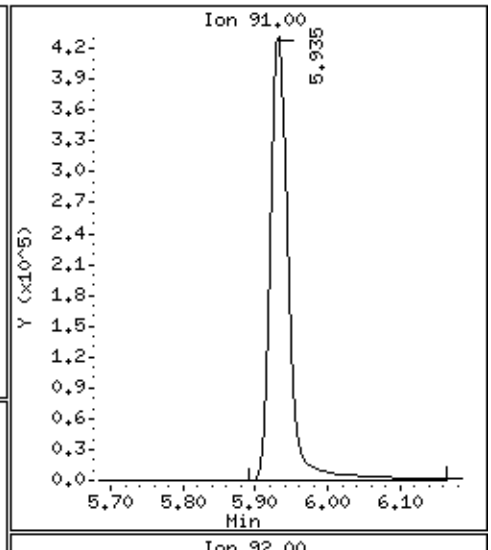
Column phase: DB-624

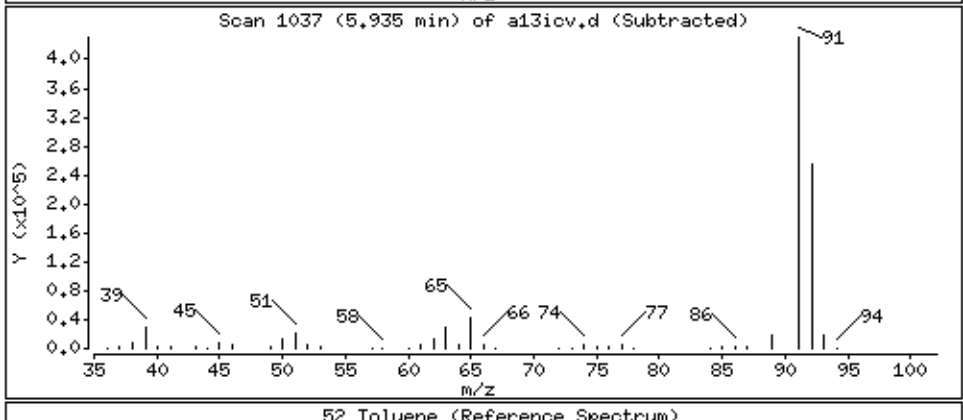
Column diameter: 0.18

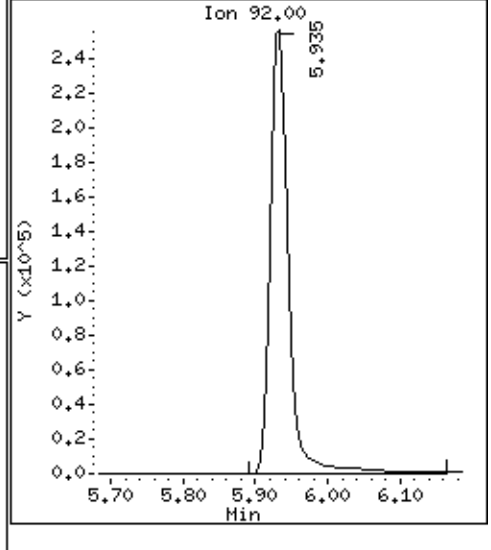
52 Toluene

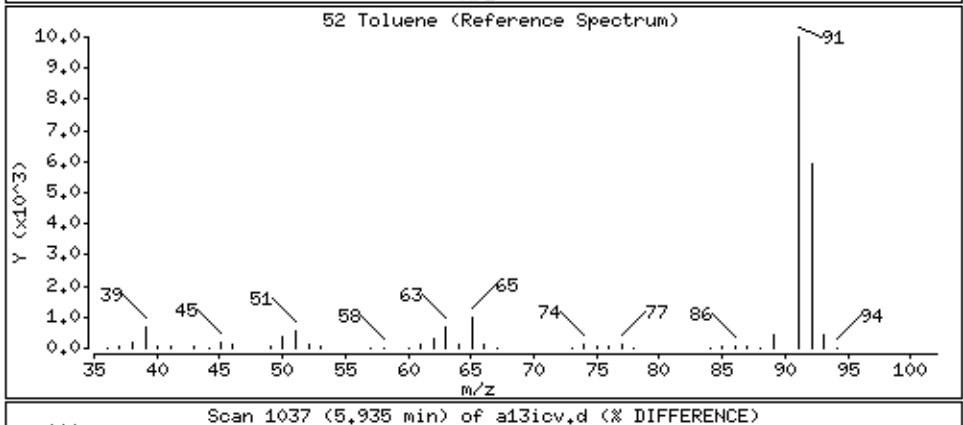
Concentration: 43.0 ppb

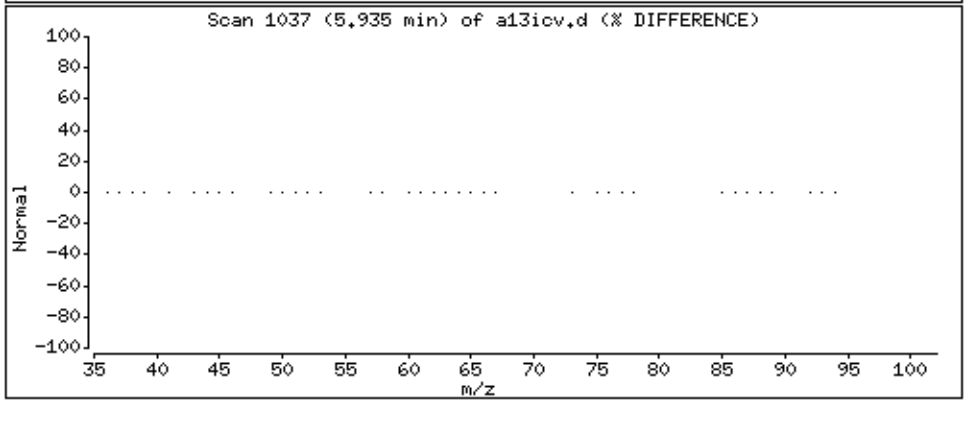












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

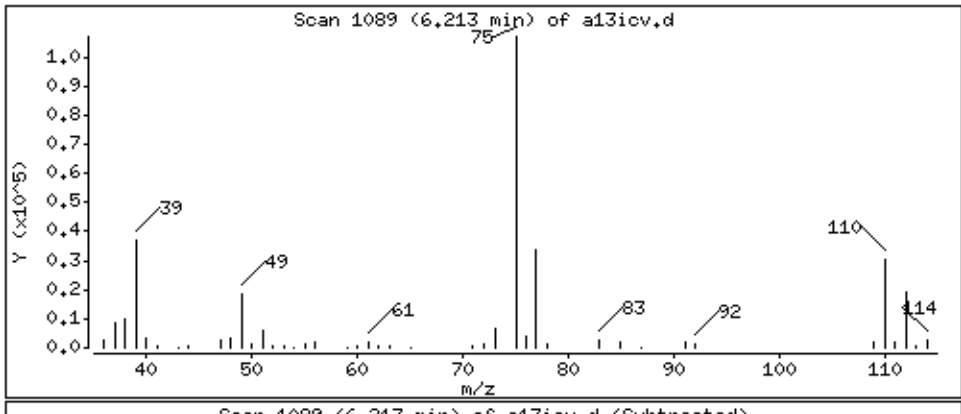
Operator: ala

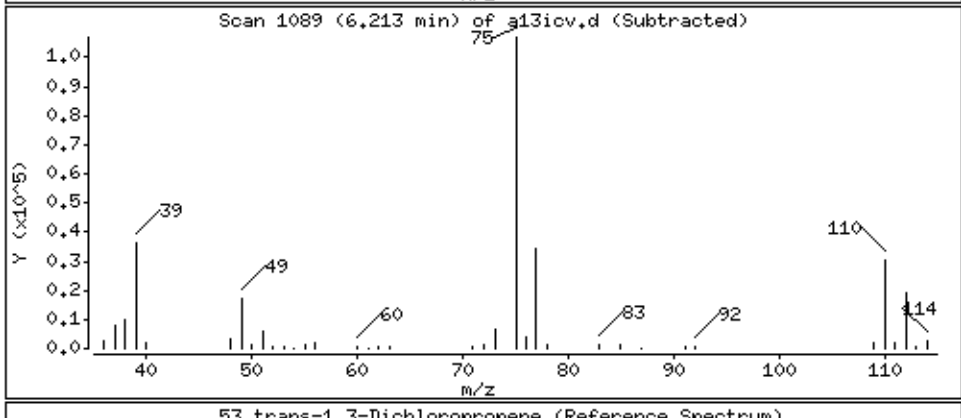
Column phase: DB-624

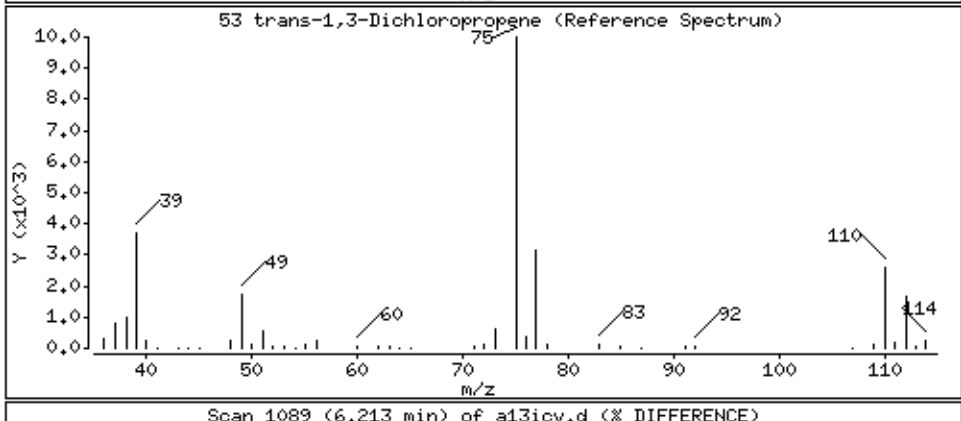
Column diameter: 0.18

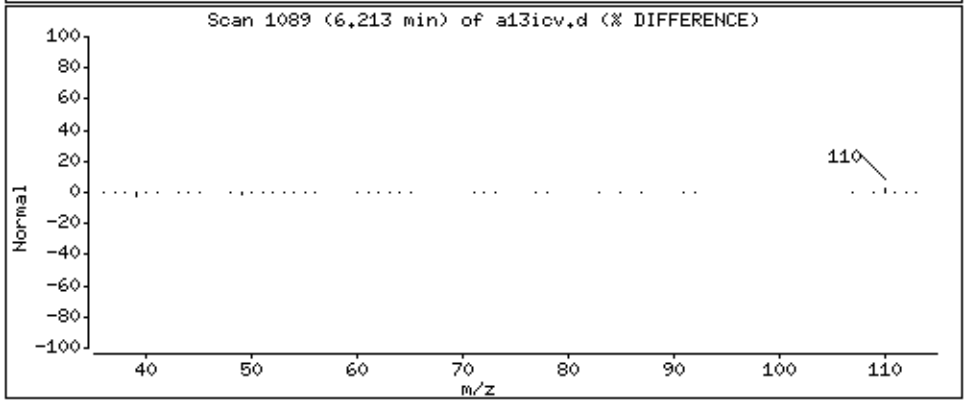
53 trans-1,3-Dichloropropene

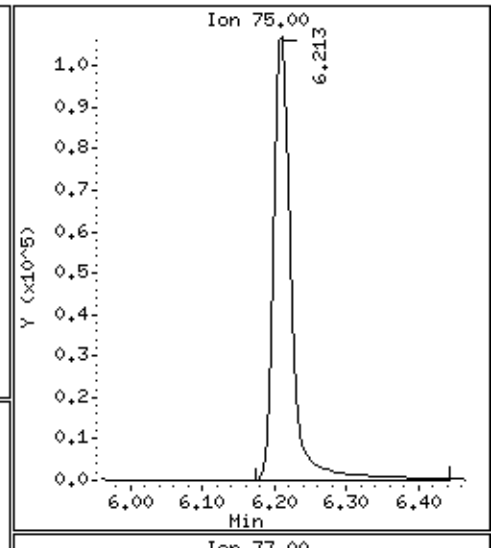
Concentration: 38.8 ppb

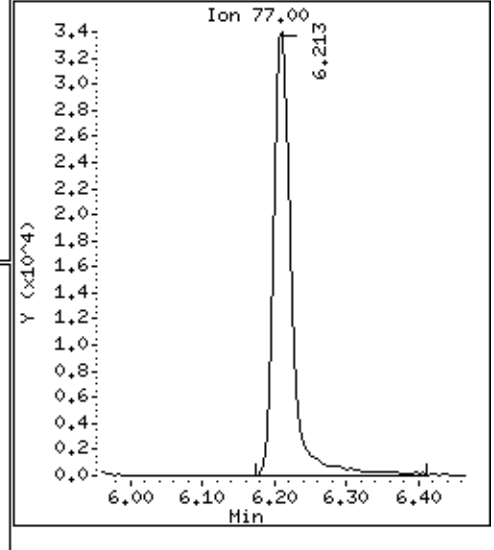












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

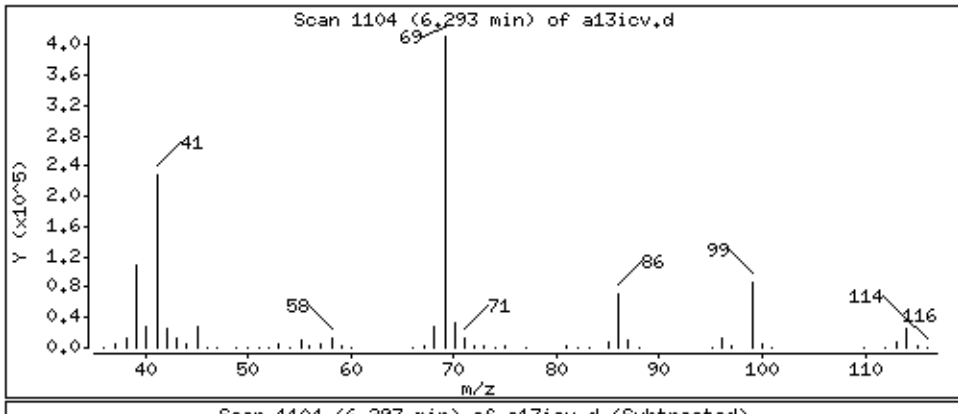
Operator: ala

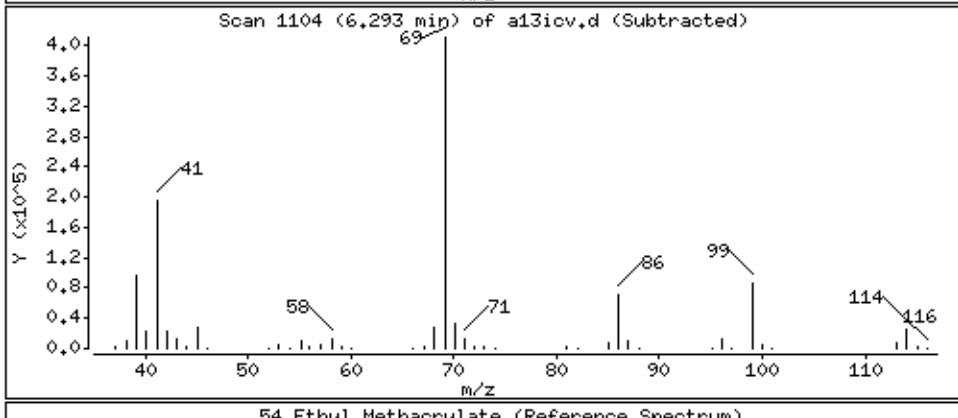
Column phase: DB-624

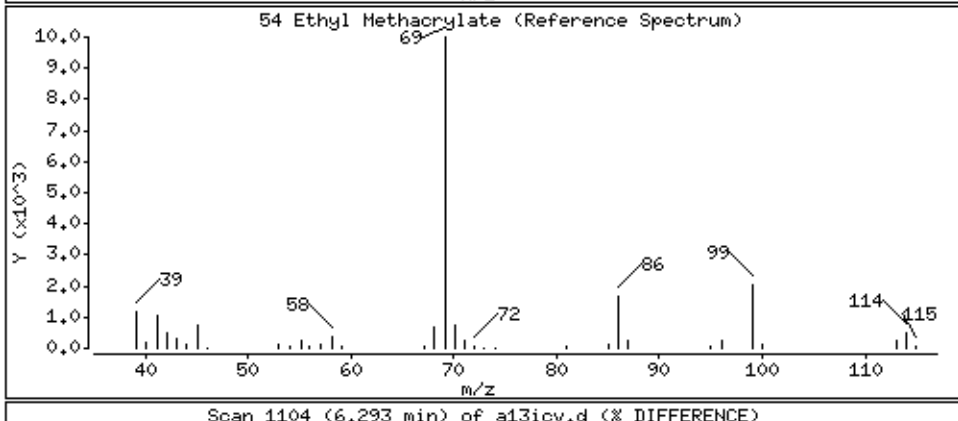
Column diameter: 0.18

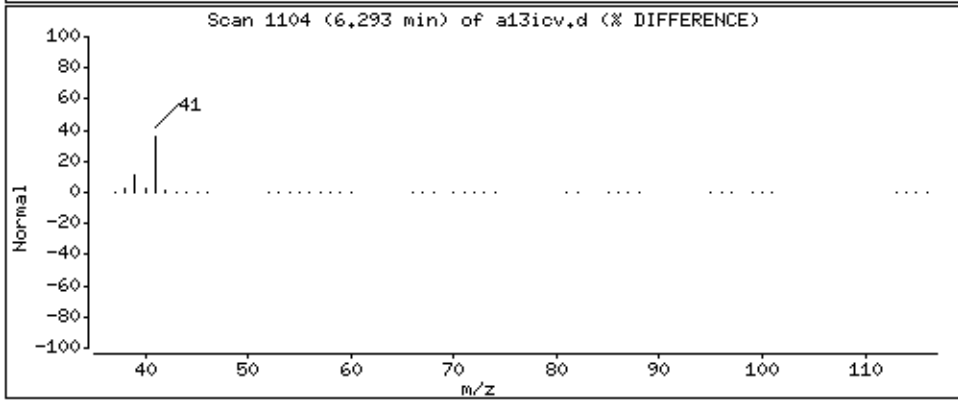
54 Ethyl Methacrylate

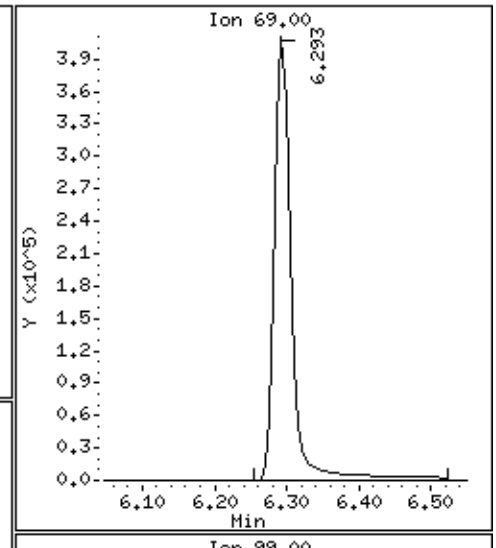
Concentration: 175 ppb

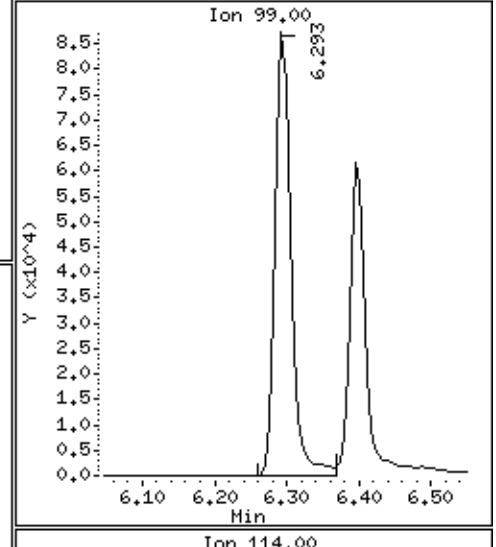


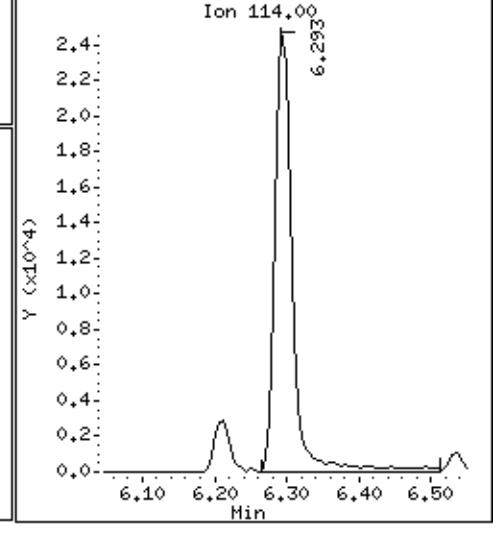












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

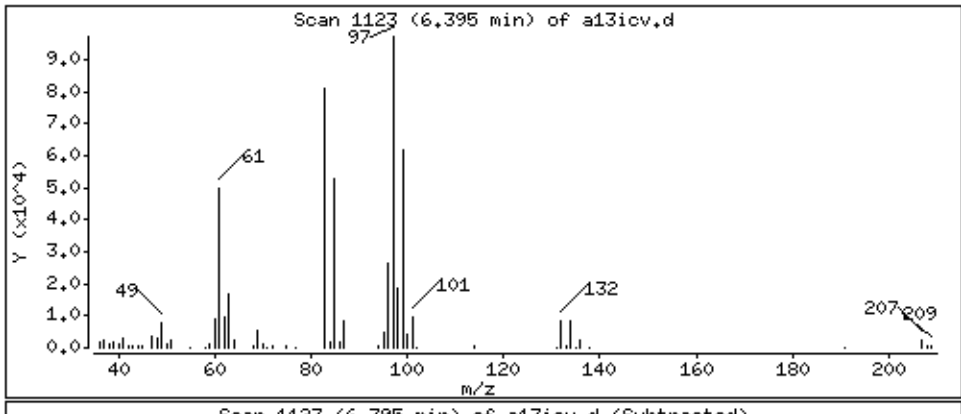
Operator: ala

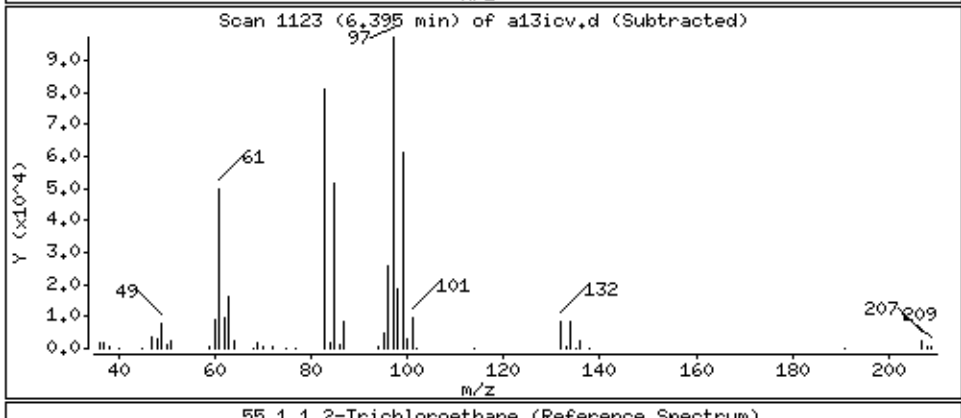
Column phase: DB-624

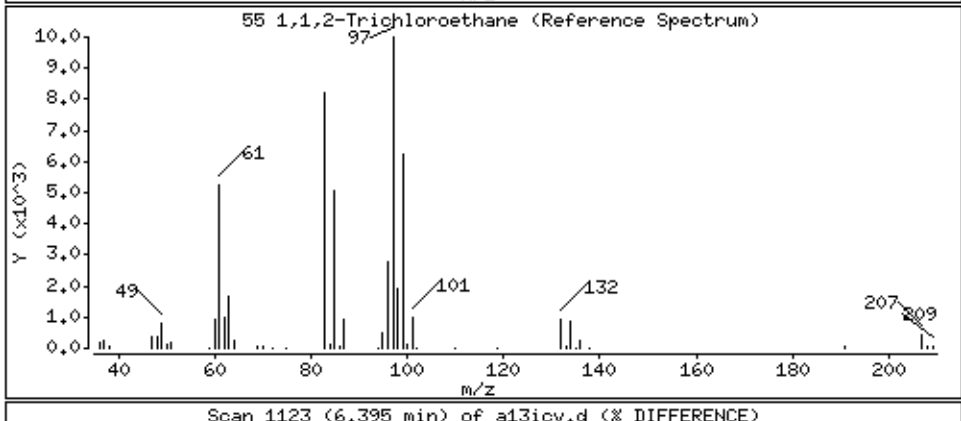
Column diameter: 0.18

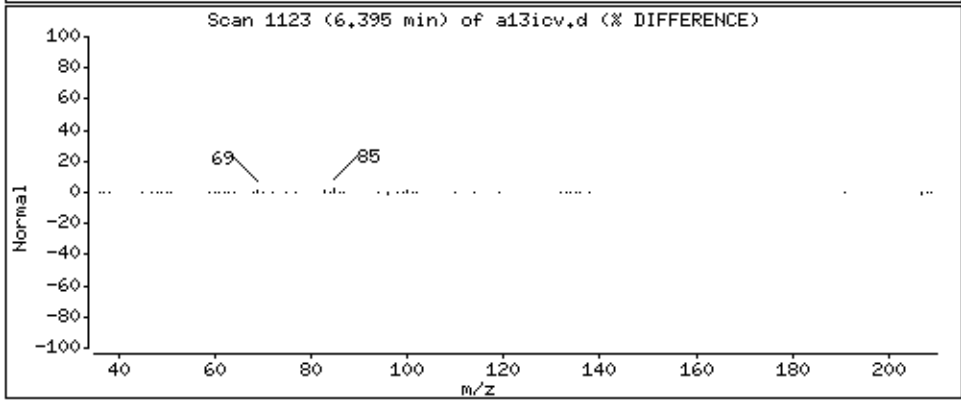
55 1,1,2-Trichloroethane

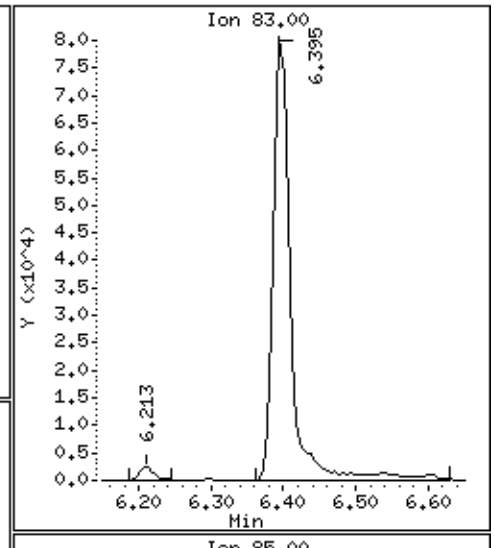
Concentration: 49.6 ppb

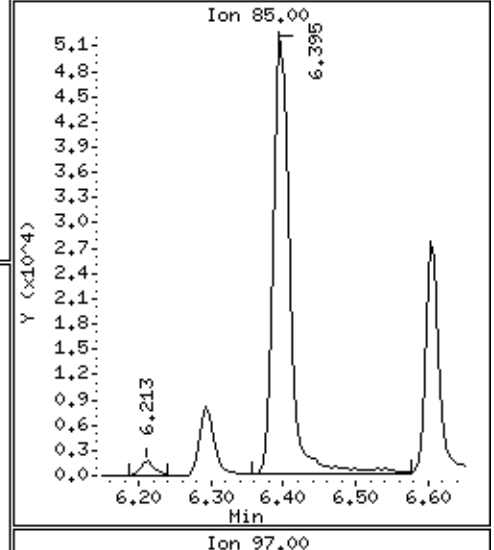


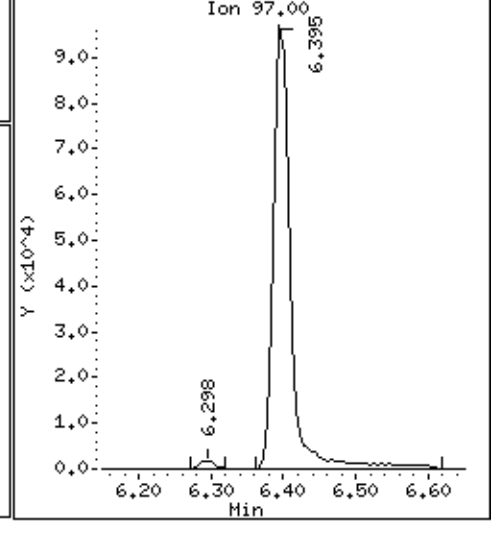












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

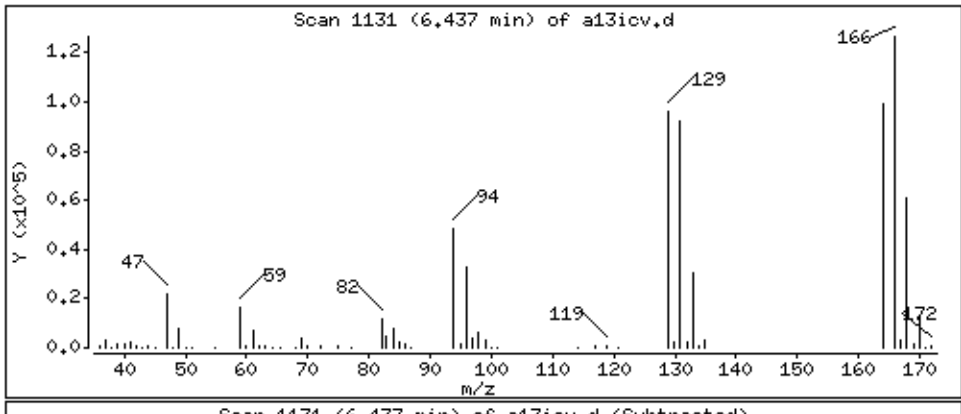
Operator: ala

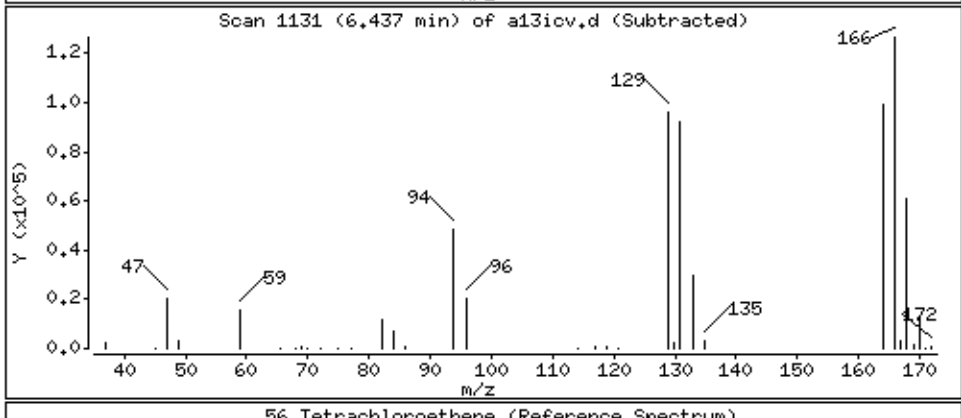
Column phase: DB-624

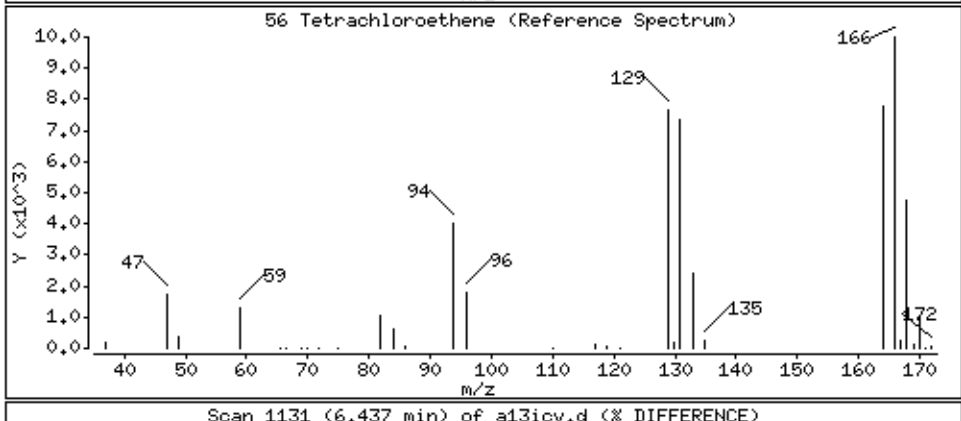
Column diameter: 0.18

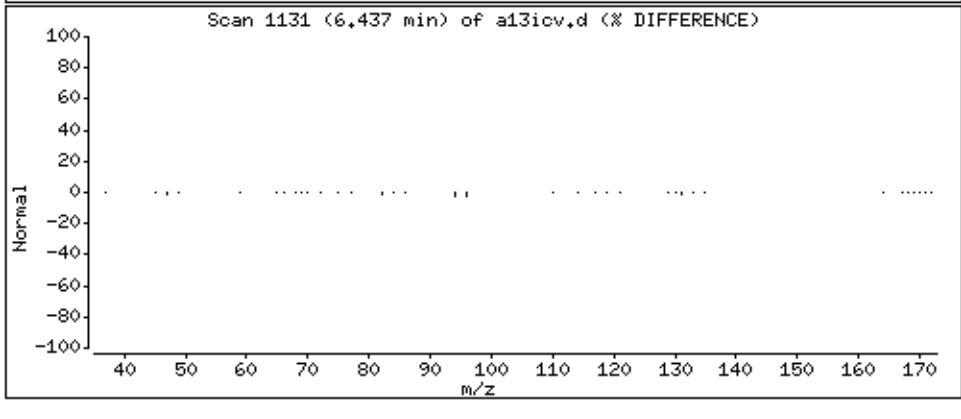
56 Tetrachloroethene

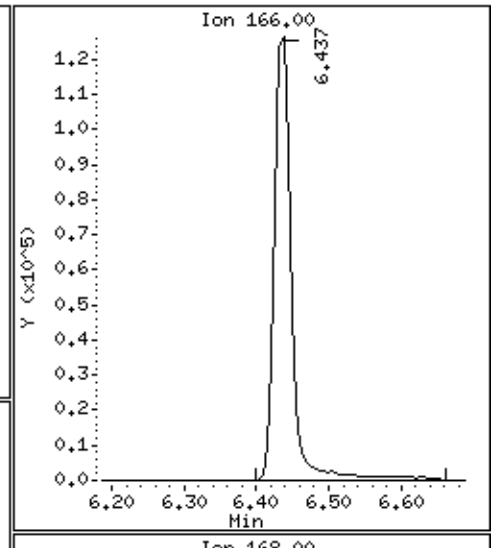
Concentration: 42.6 ppb

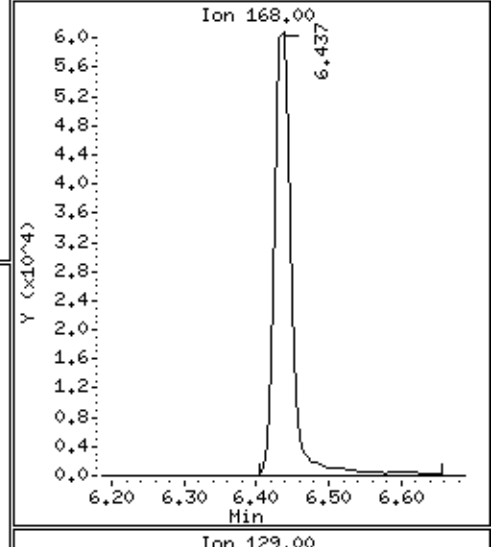


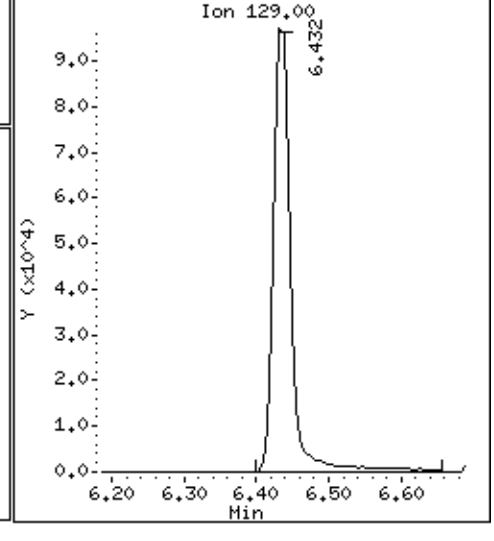












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

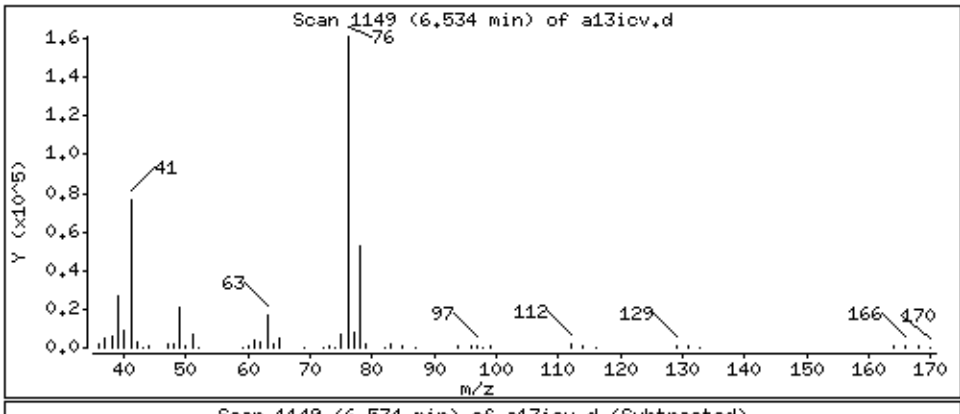
Operator: ala

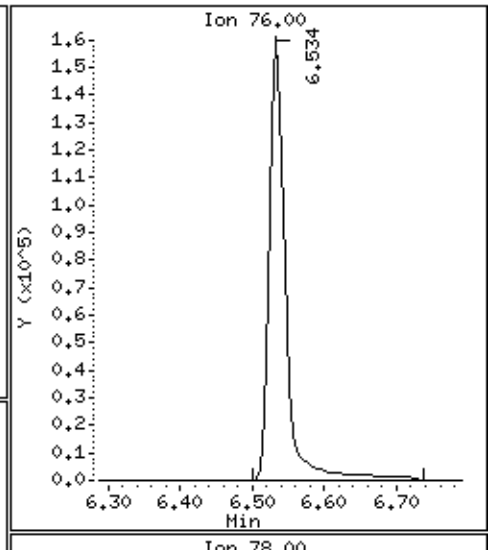
Column phase: DB-624

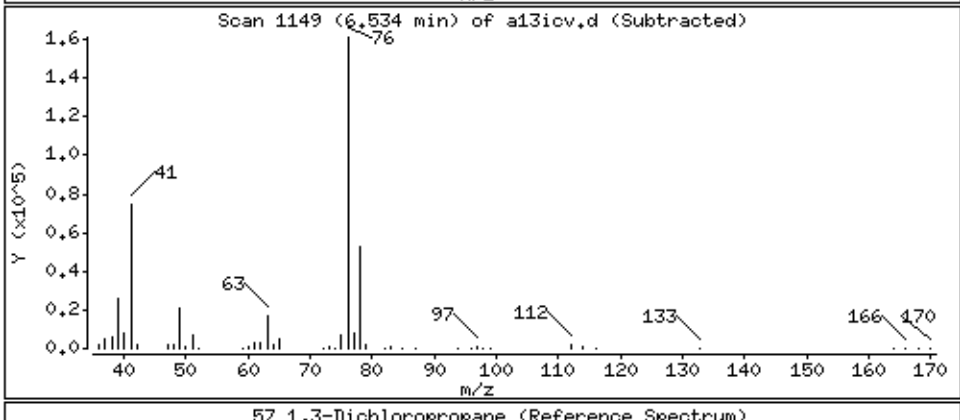
Column diameter: 0.18

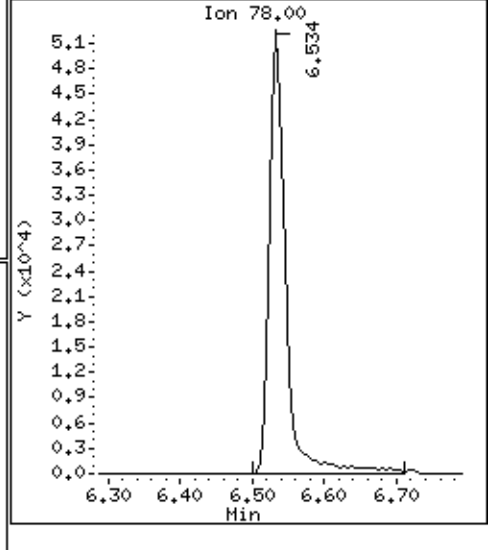
57 1,3-Dichloropropane

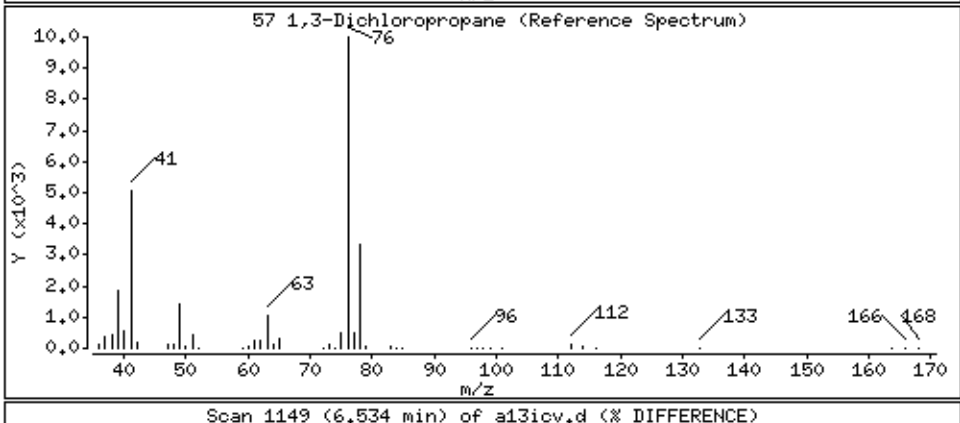
Concentration: 47.8 ppb

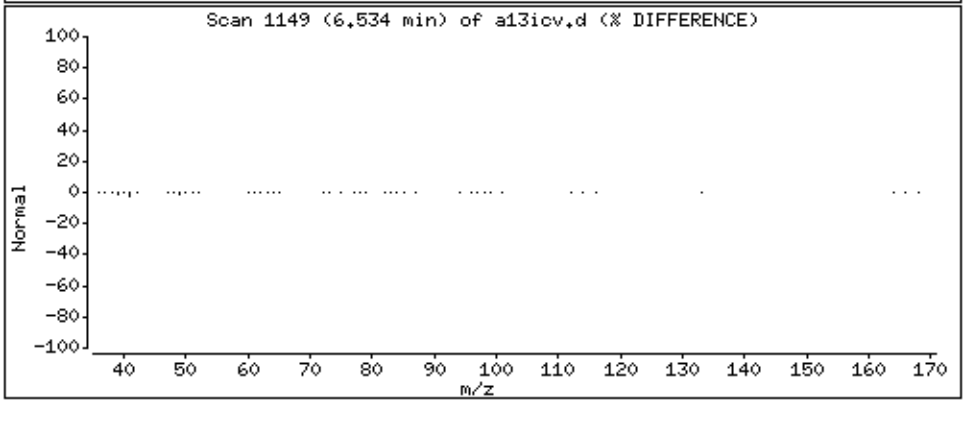












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

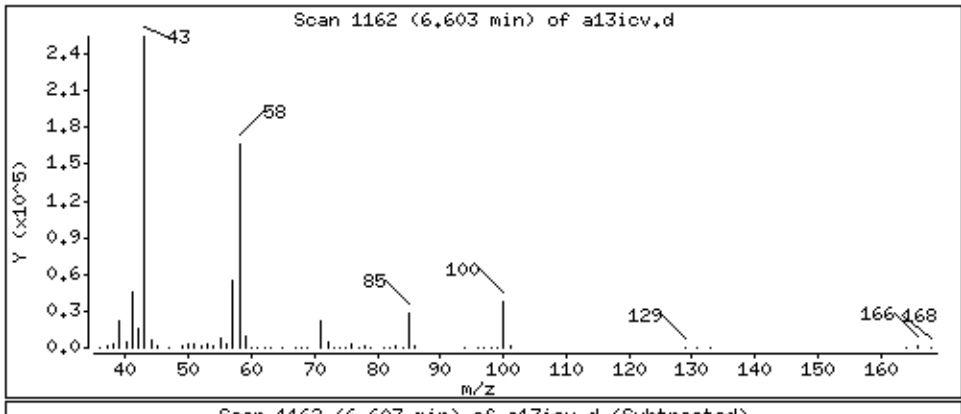
Operator: ala

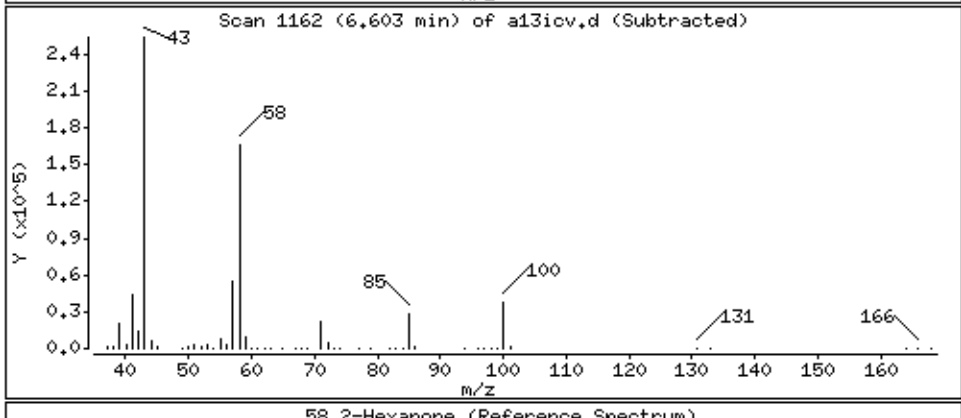
Column phase: DB-624

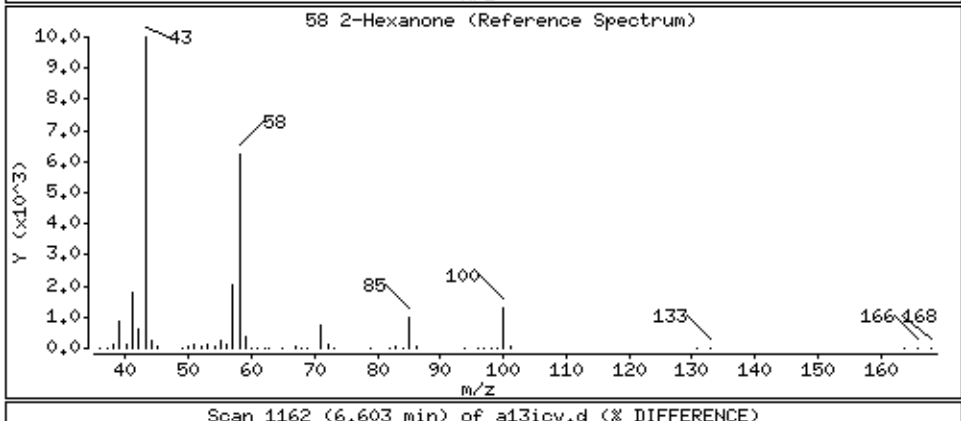
Column diameter: 0.18

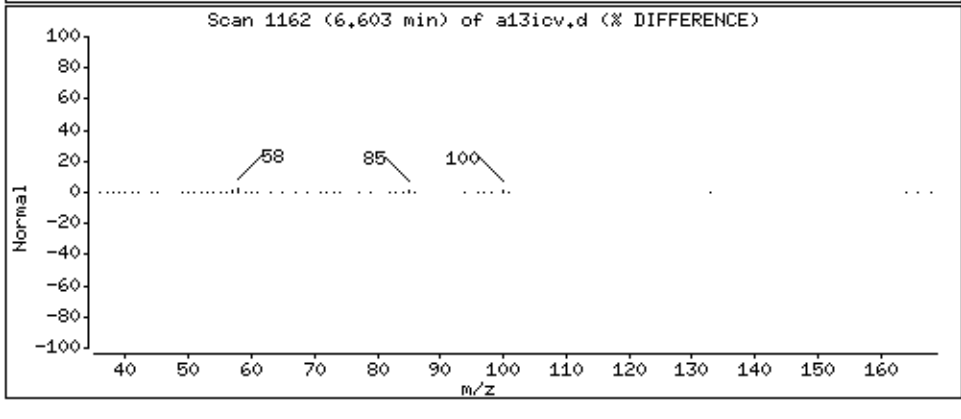
58 2-Hexanone

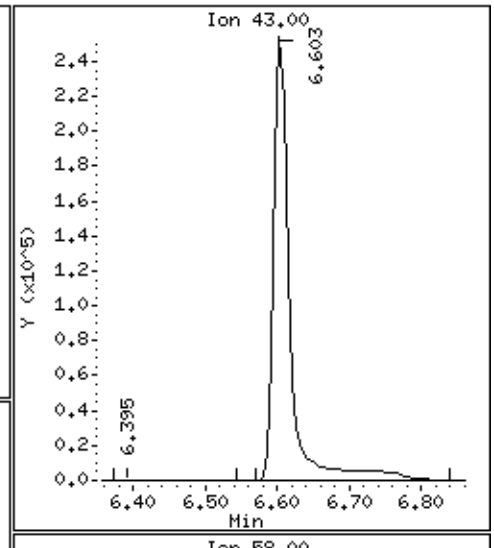
Concentration: 227 ppb

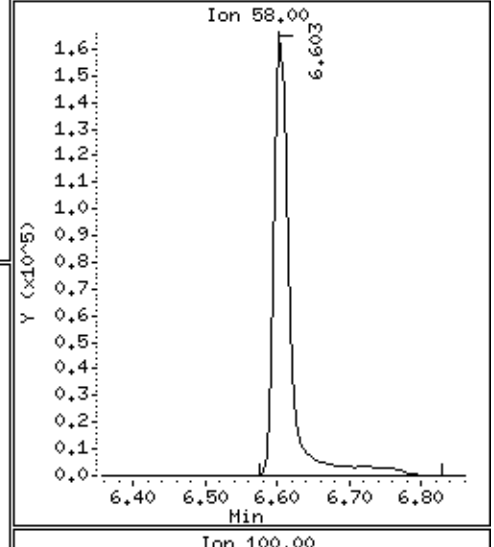


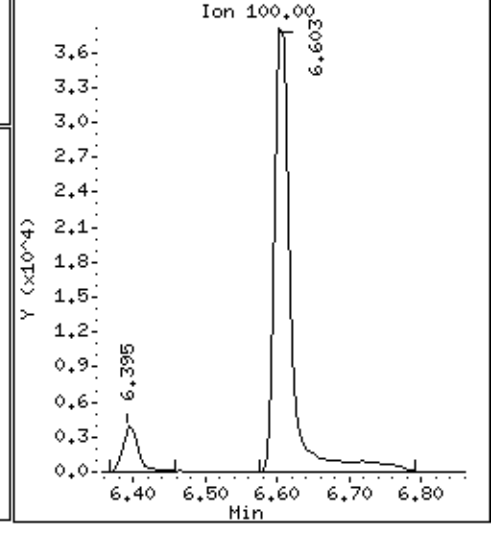












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

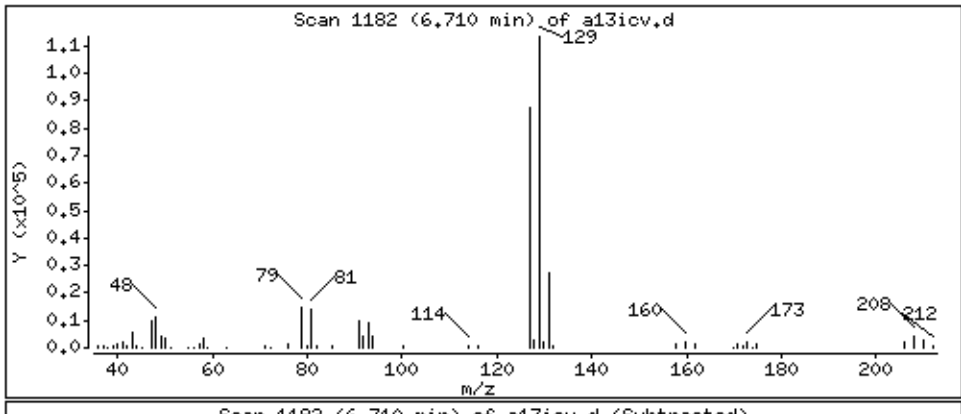
Operator: ala

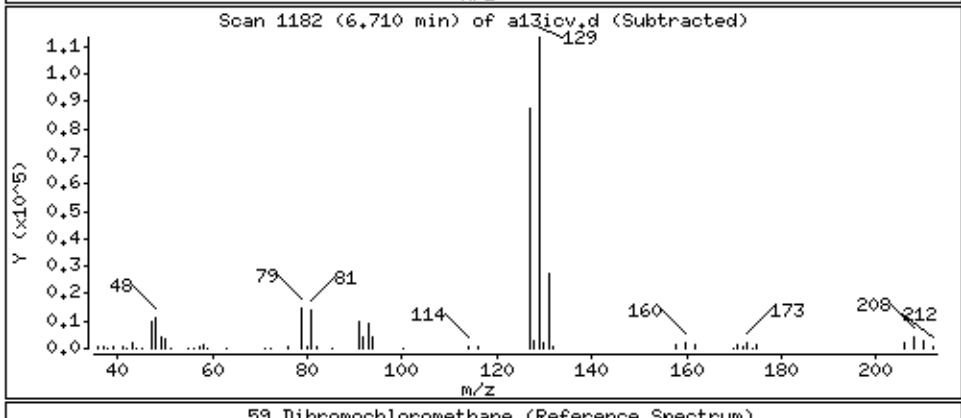
Column phase: DB-624

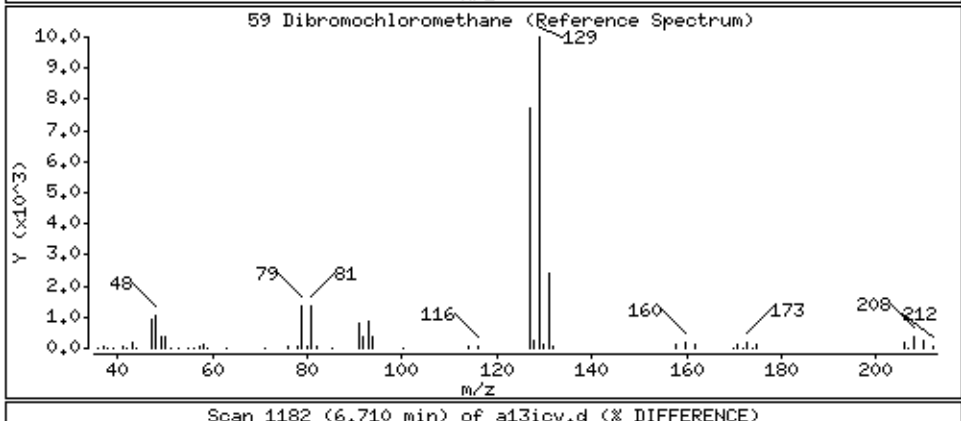
Column diameter: 0.18

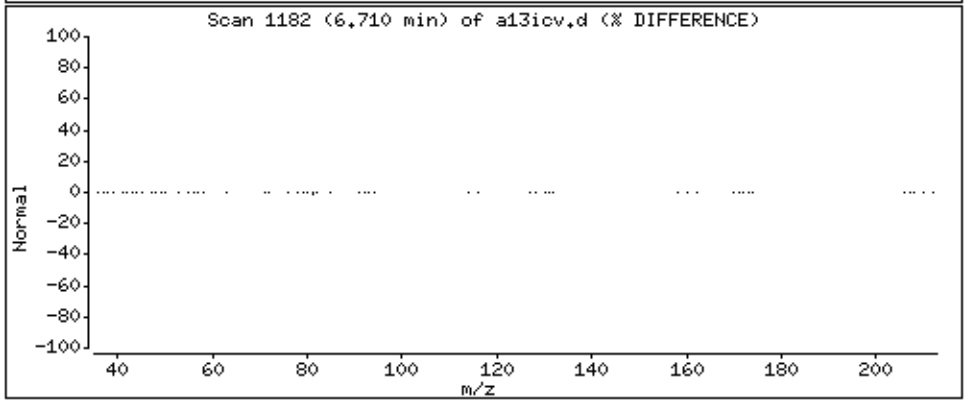
59 Dibromochloromethane

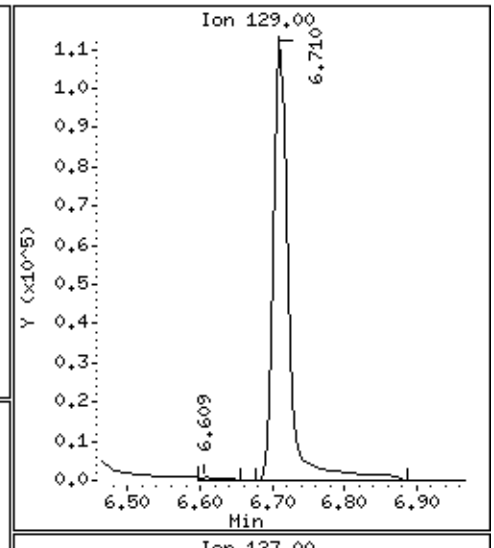
Concentration: 41.2 ppb

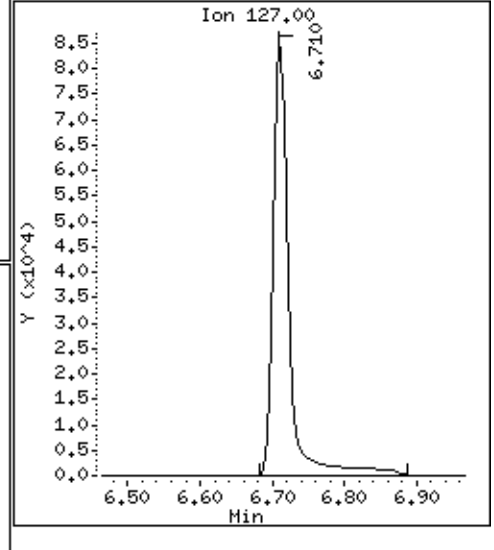












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

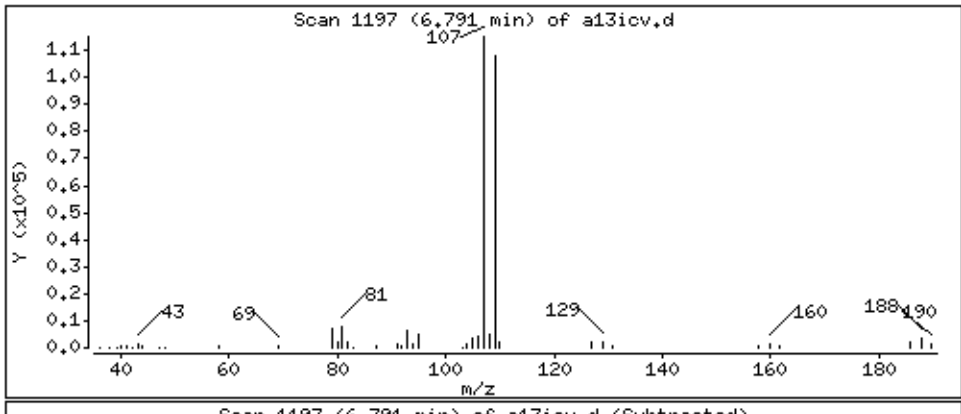
Operator: ala

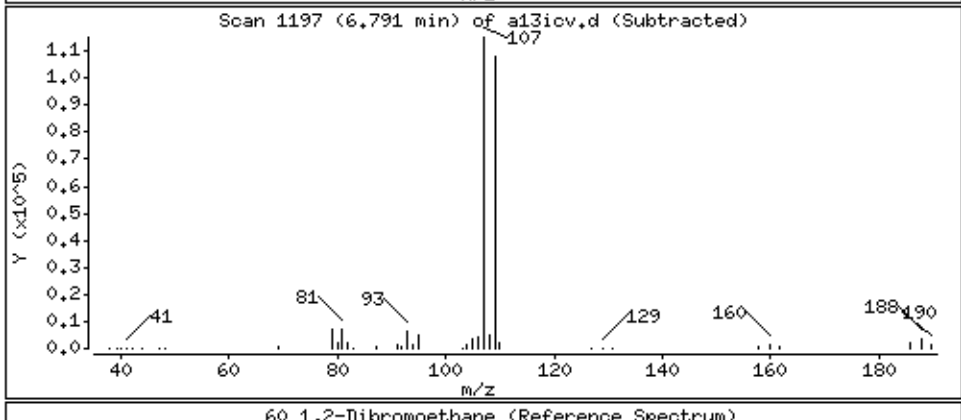
Column phase: DB-624

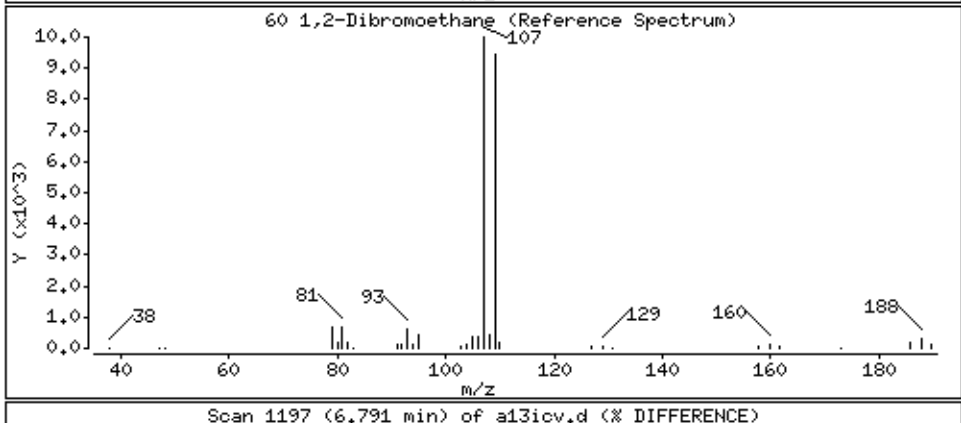
Column diameter: 0.18

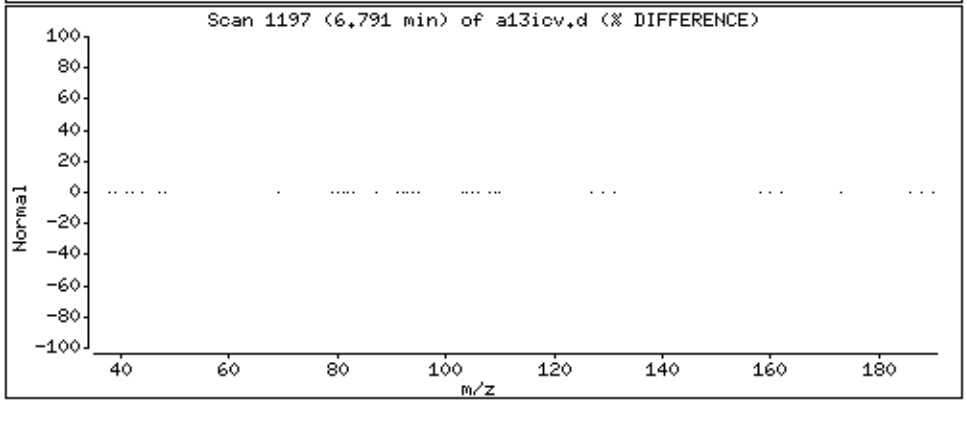
60 1,2-Dibromoethane

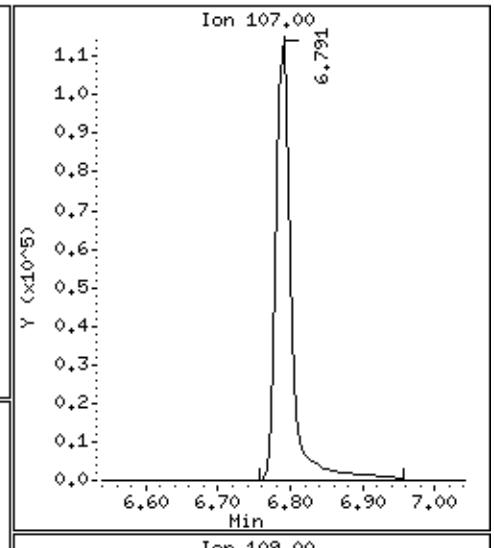
Concentration: 48.5 ppb

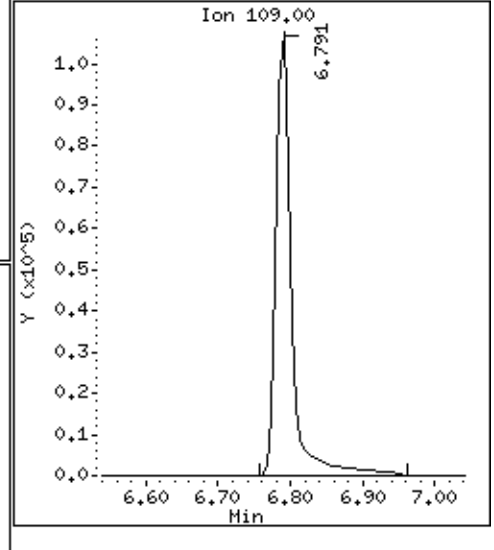












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

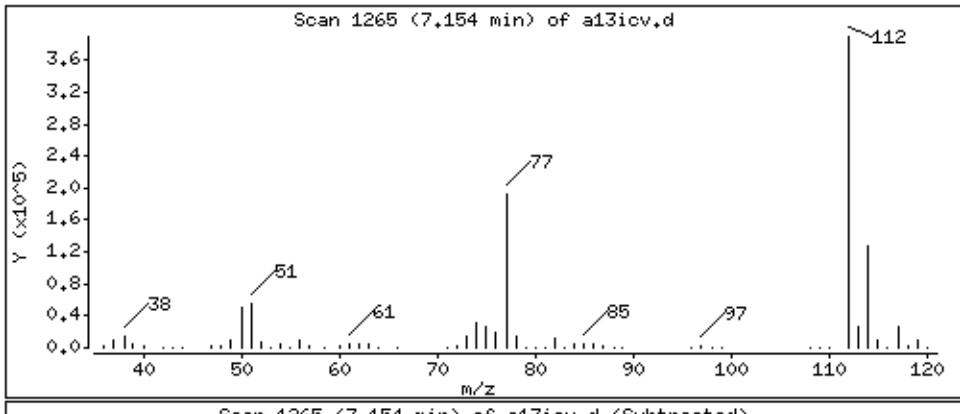
Operator: ala

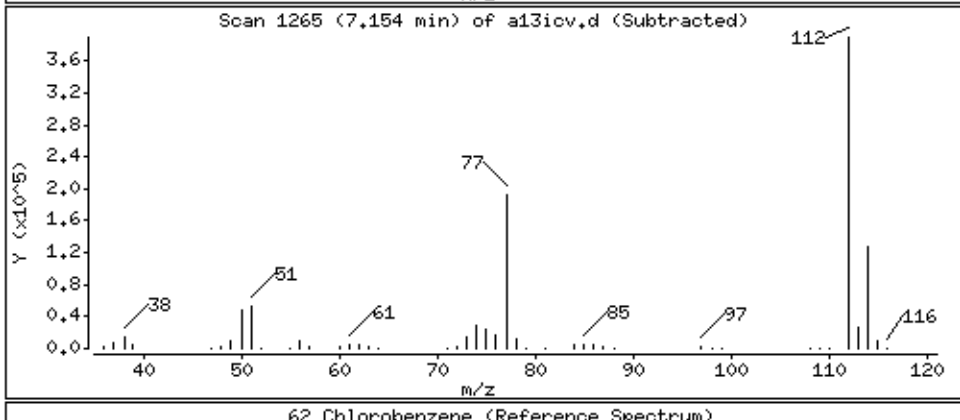
Column phase: DB-624

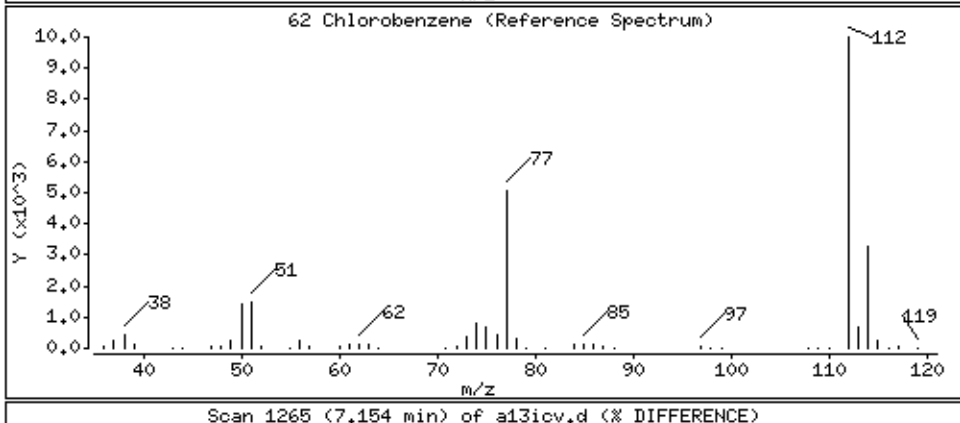
Column diameter: 0.18

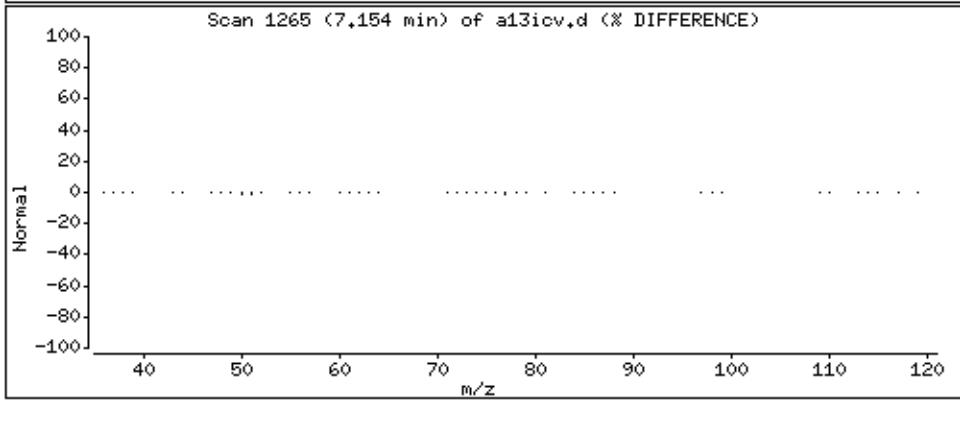
62 Chlorobenzene

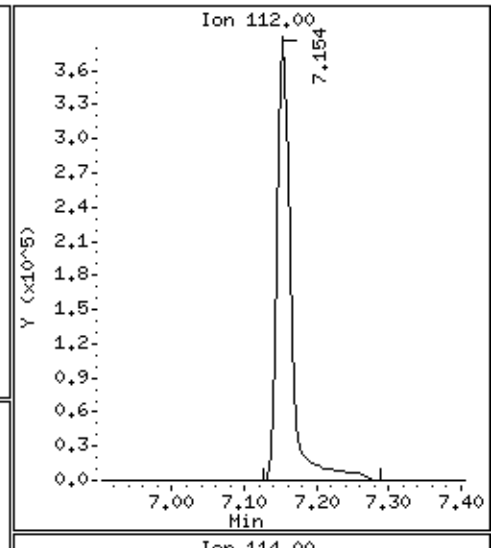
Concentration: 43.3 ppb

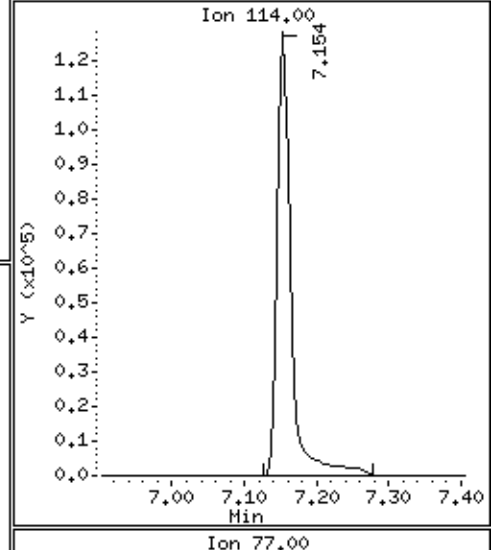


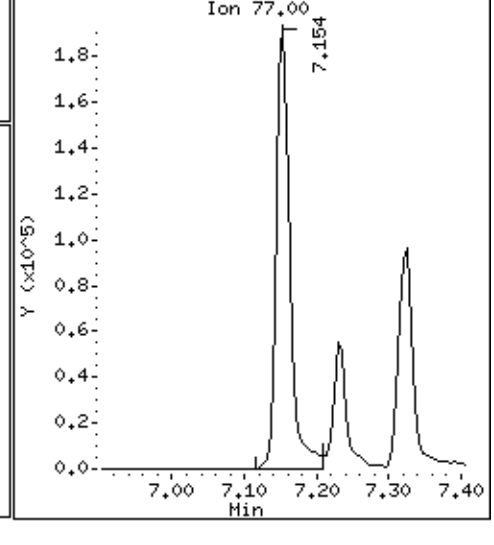












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

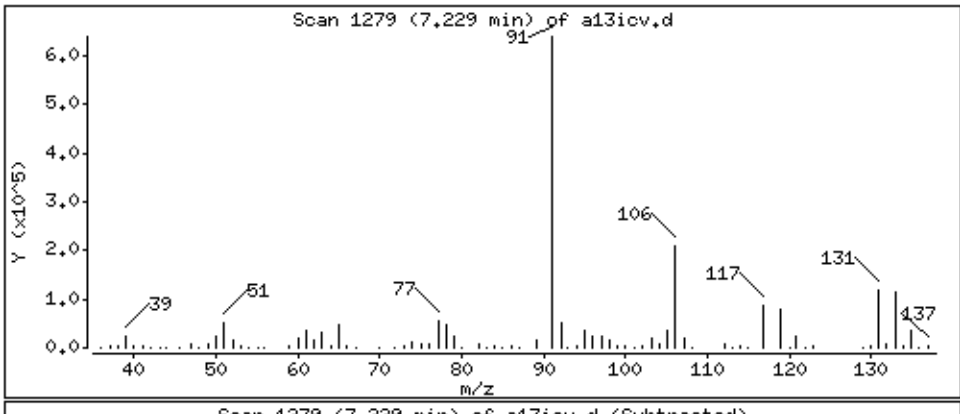
Operator: ala

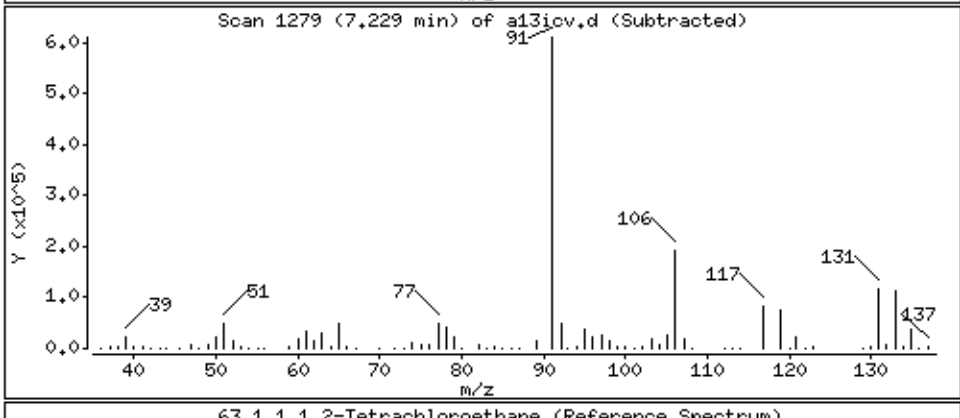
Column phase: DB-624

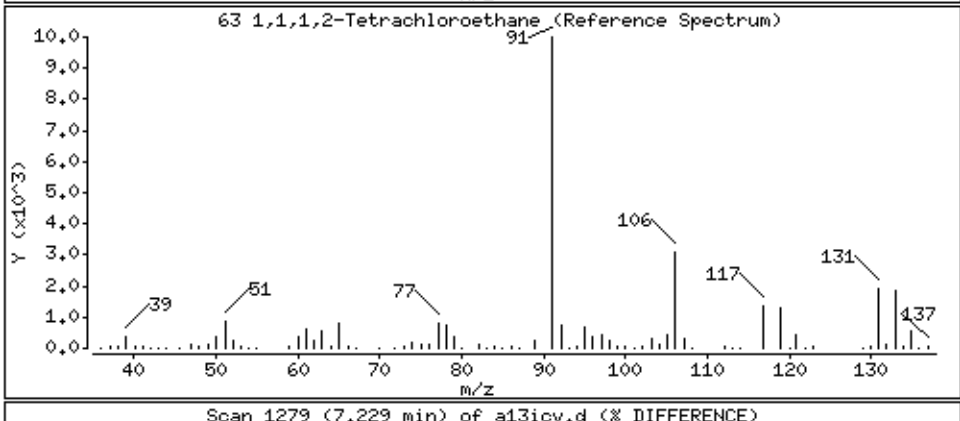
Column diameter: 0.18

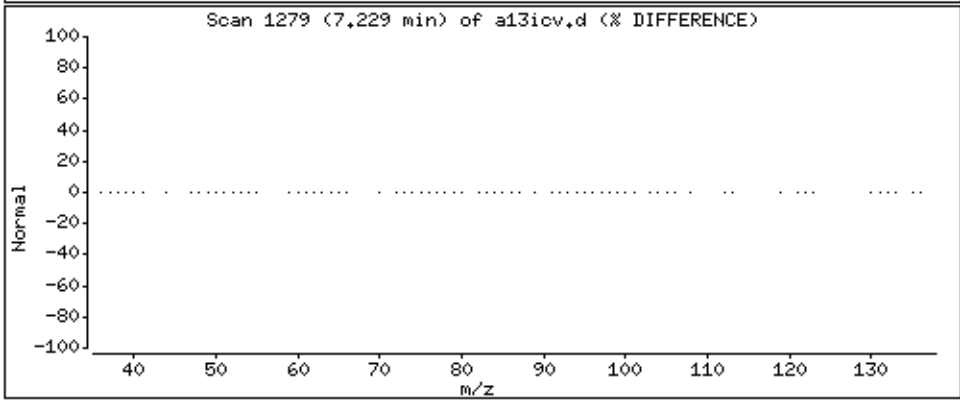
63 1,1,1,2-Tetrachloroethane

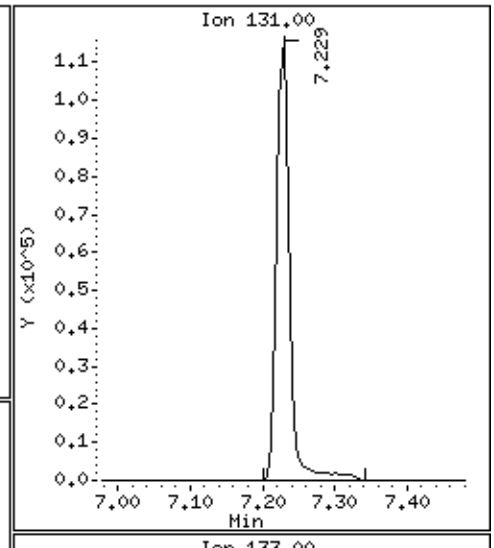
Concentration: 45.7 ppb

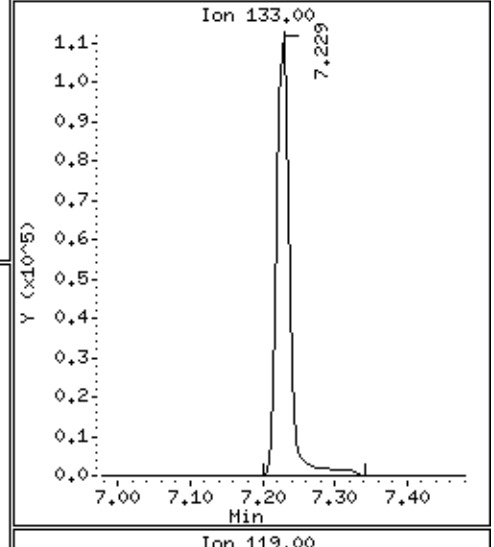


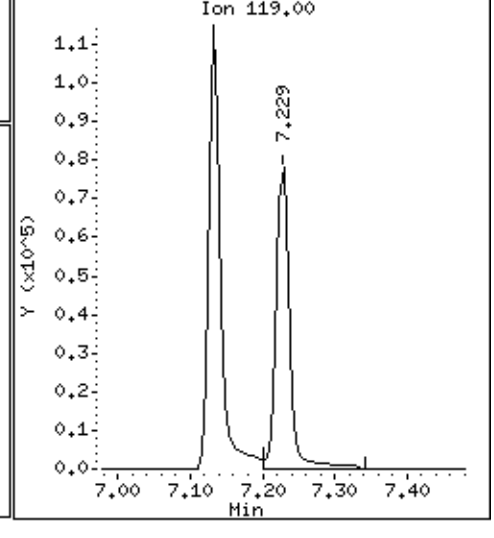












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

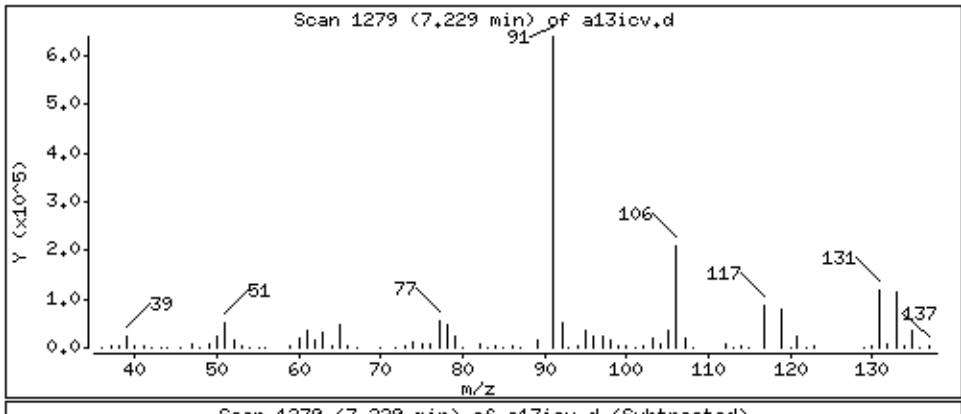
Operator: ala

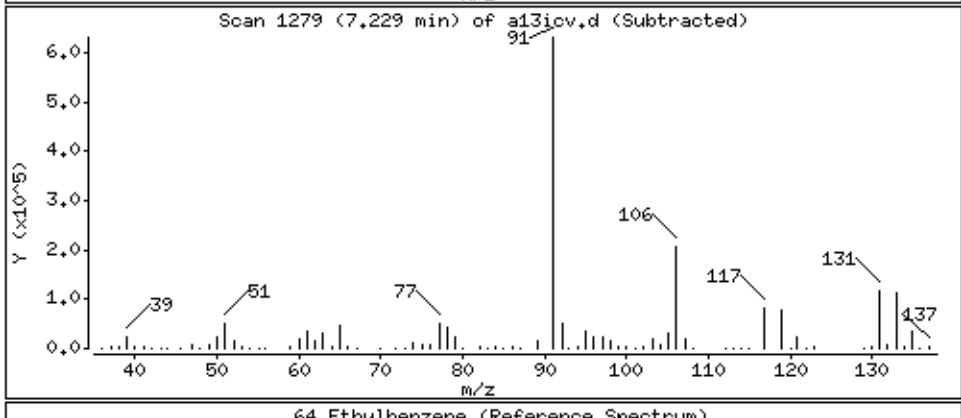
Column phase: DB-624

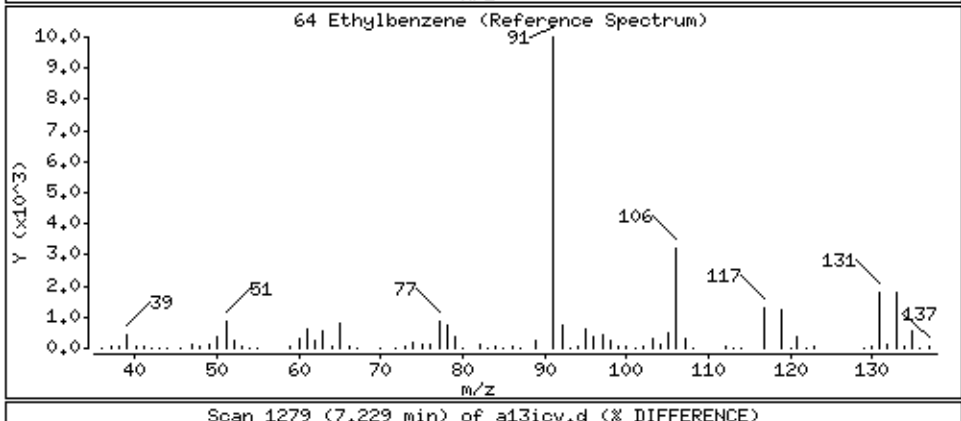
Column diameter: 0.18

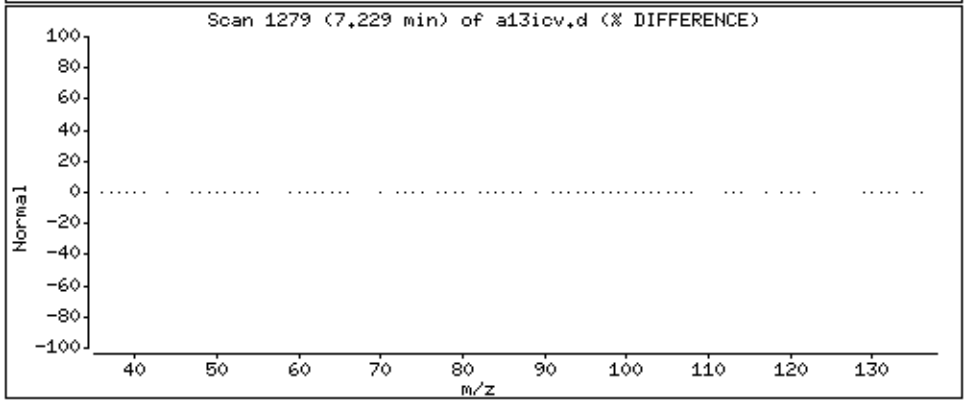
64 Ethylbenzene

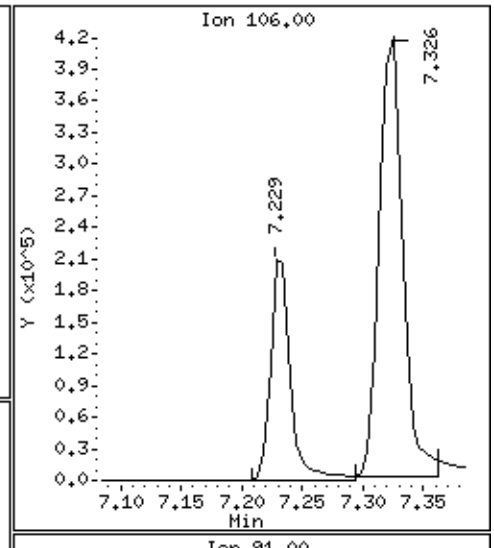
Concentration: 41.5 ppb

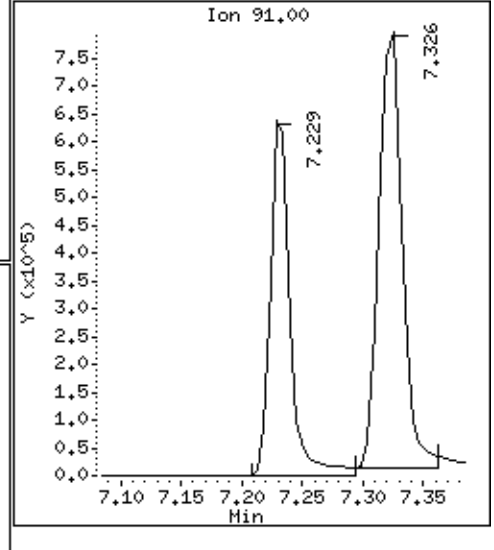












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

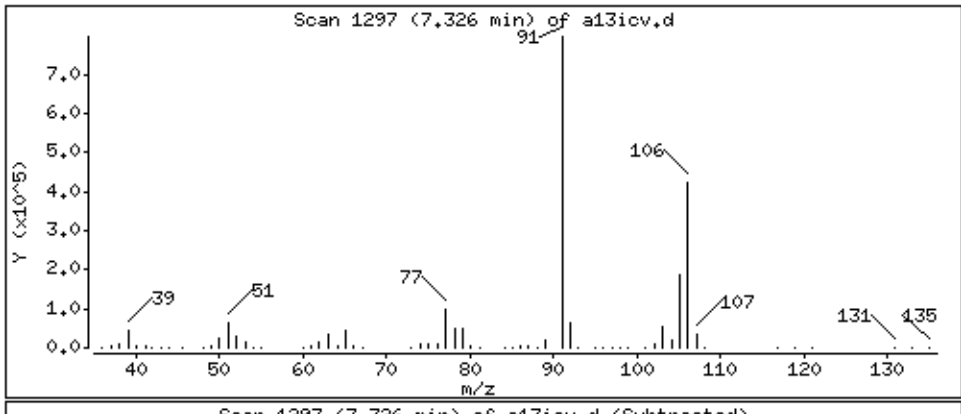
Operator: ala

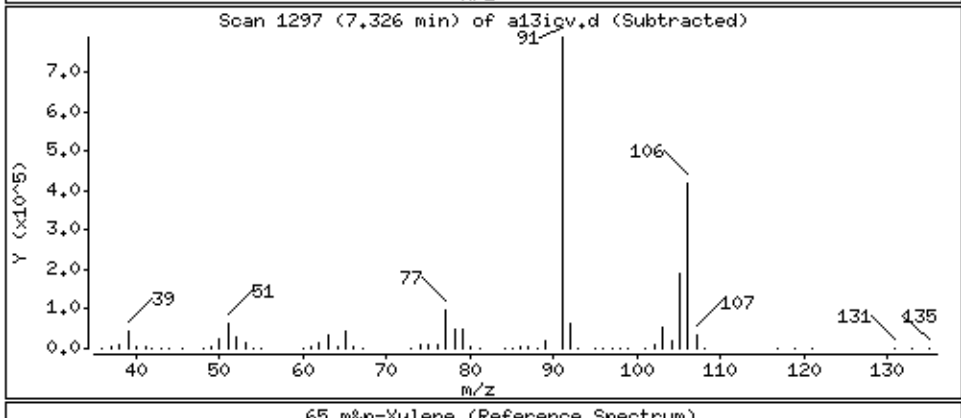
Column phase: DB-624

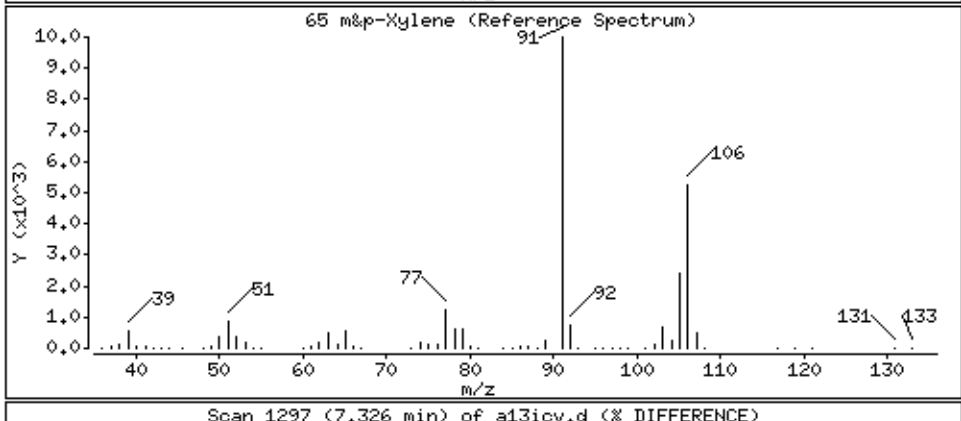
Column diameter: 0.18

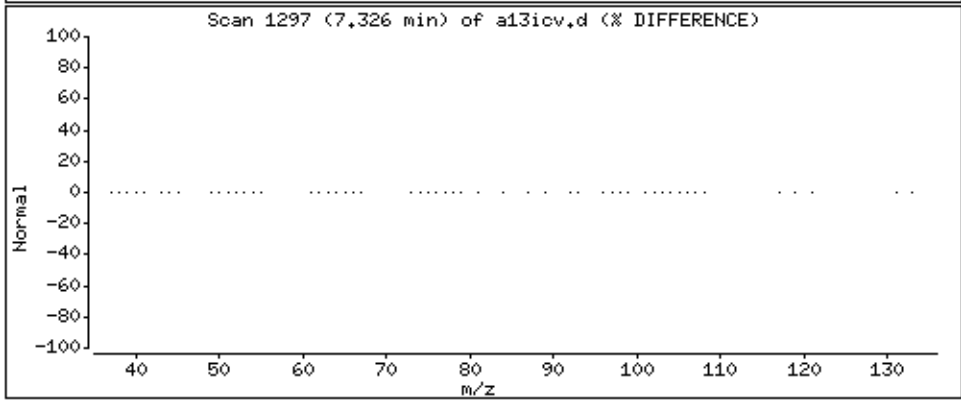
65 m&p-Xylene

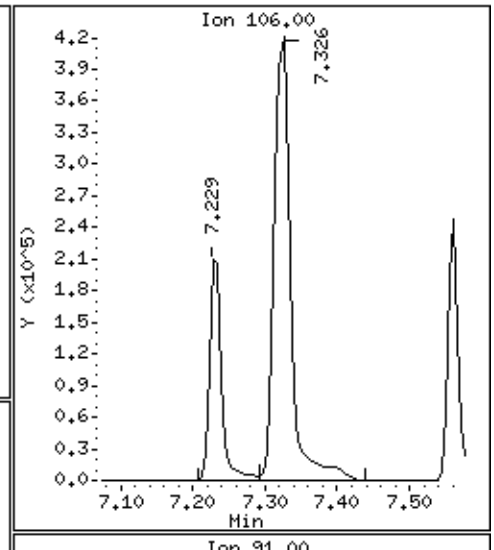
Concentration: 82.8 ppb

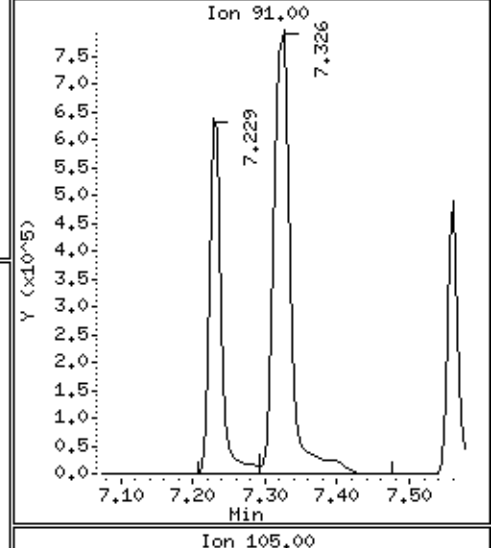


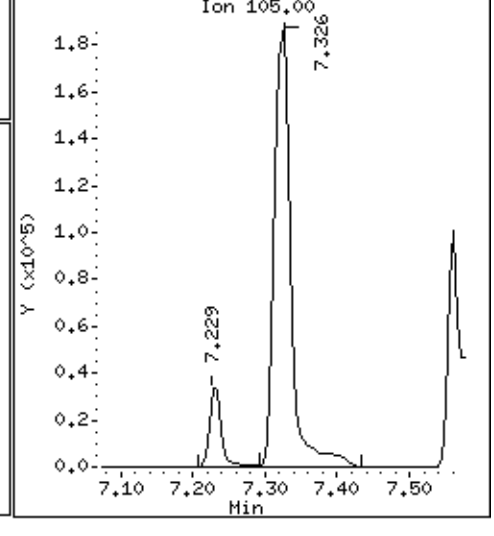












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

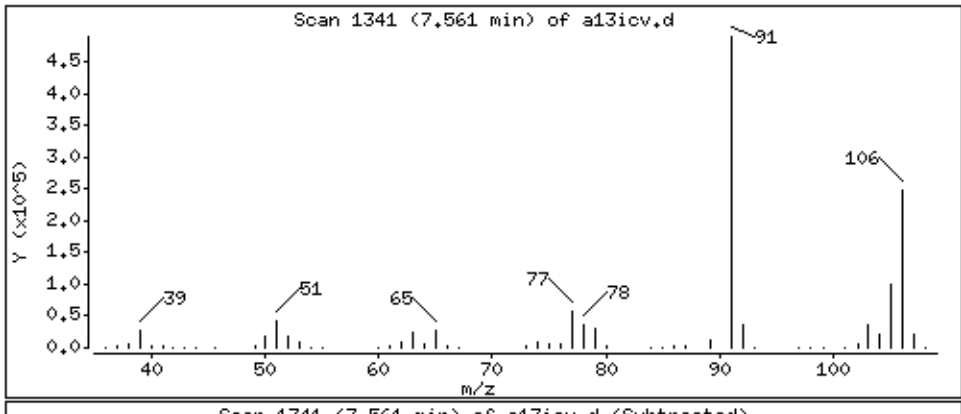
Operator: ala

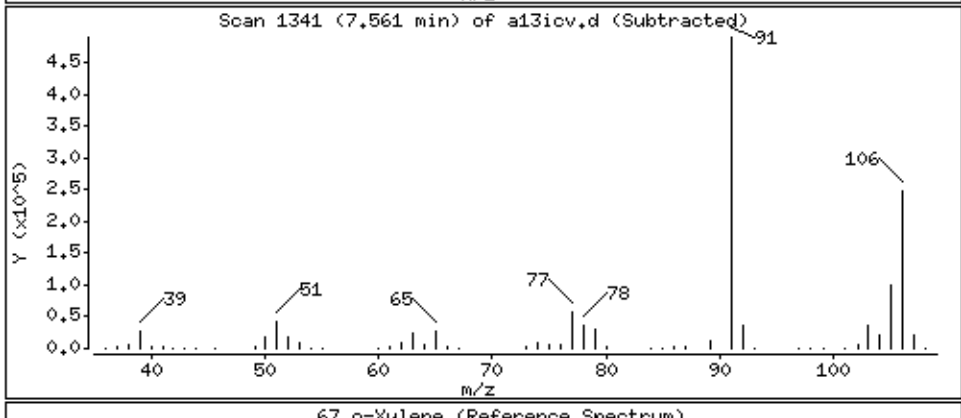
Column phase: DB-624

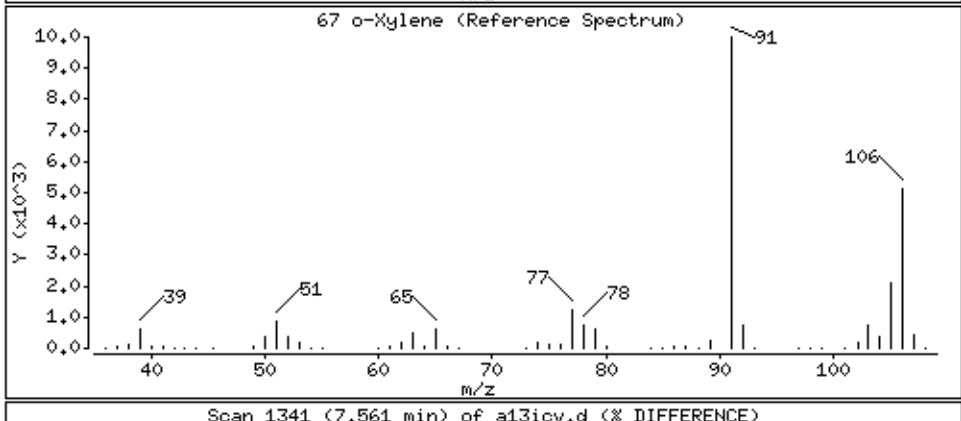
Column diameter: 0.18

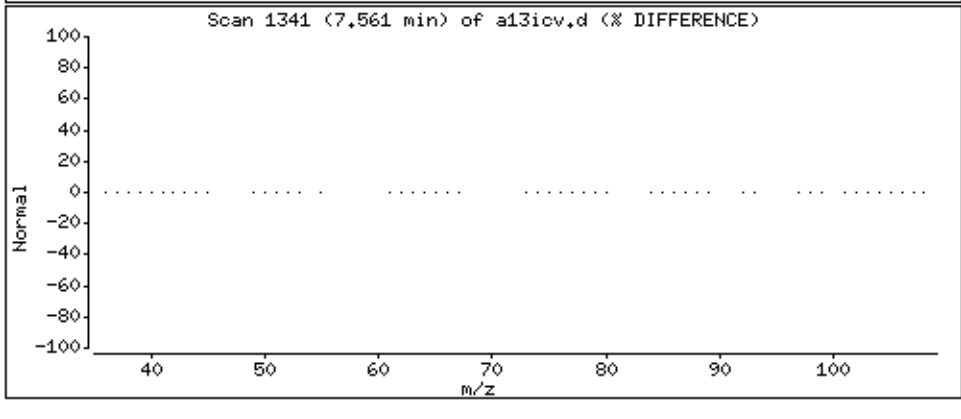
67 o-Xylene

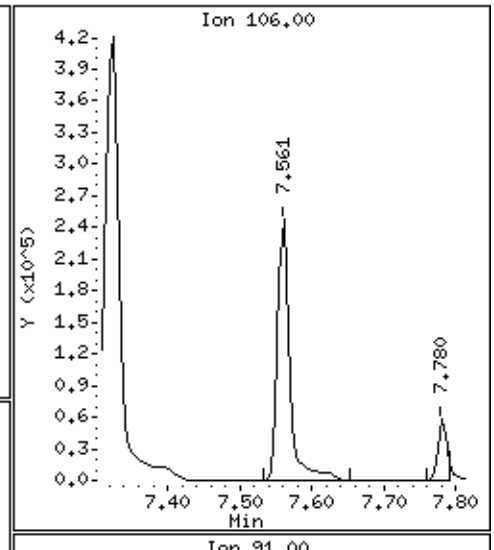
Concentration: 39.7 ppb

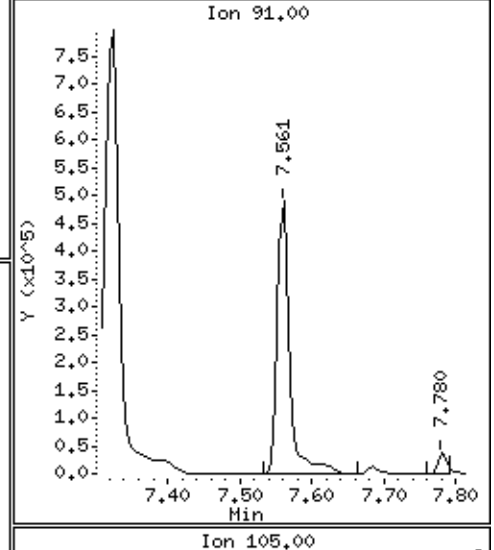


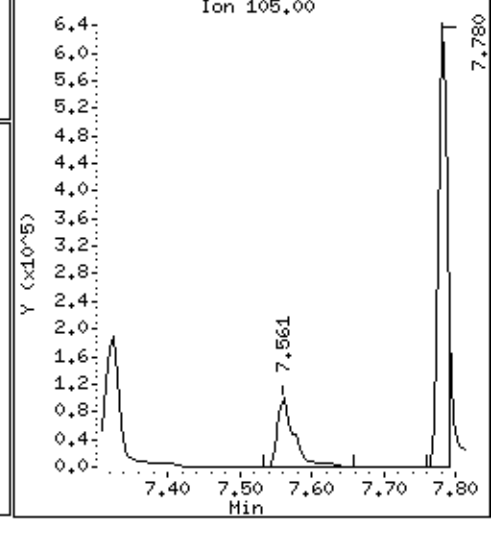












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

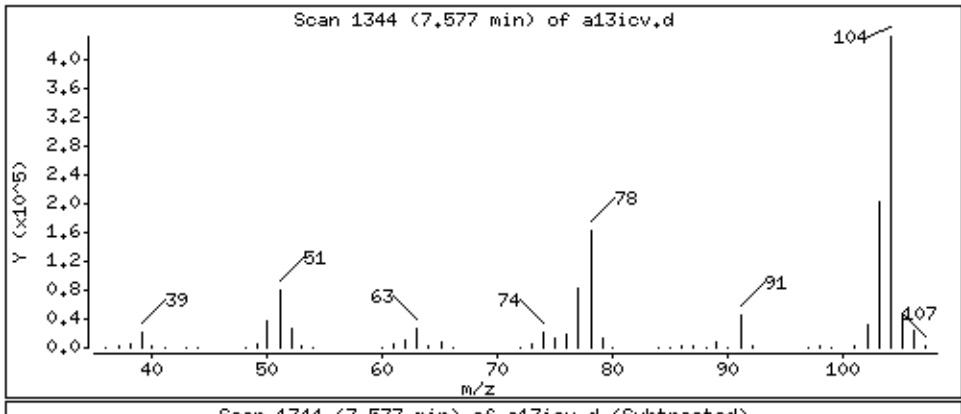
Operator: ala

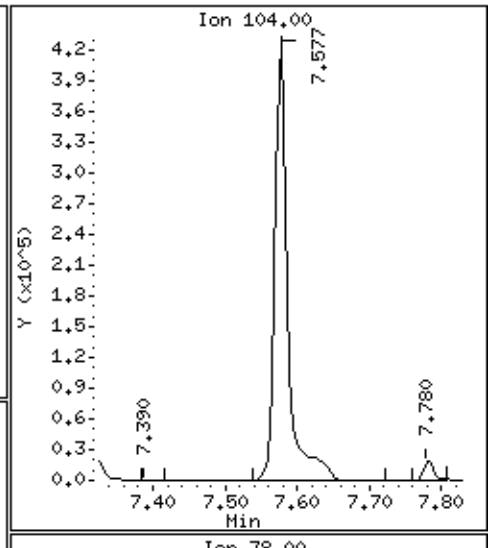
Column phase: DB-624

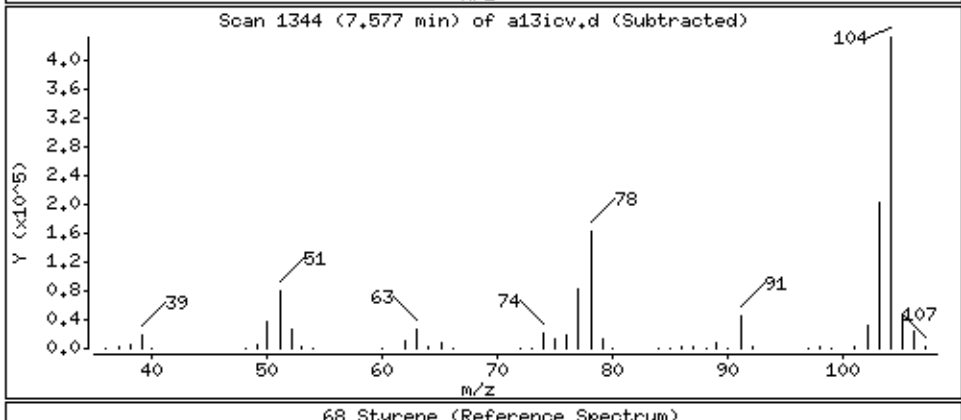
Column diameter: 0.18

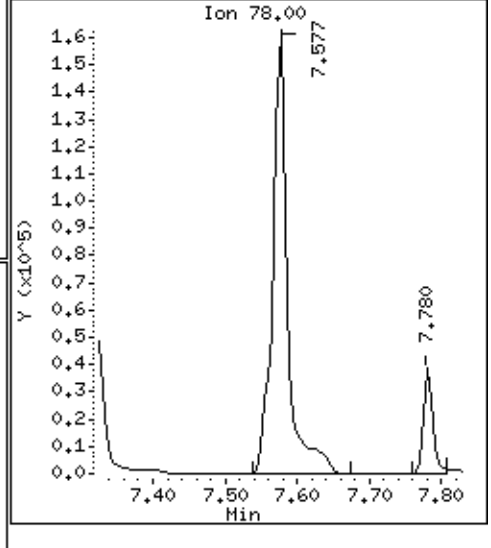
68 Styrene

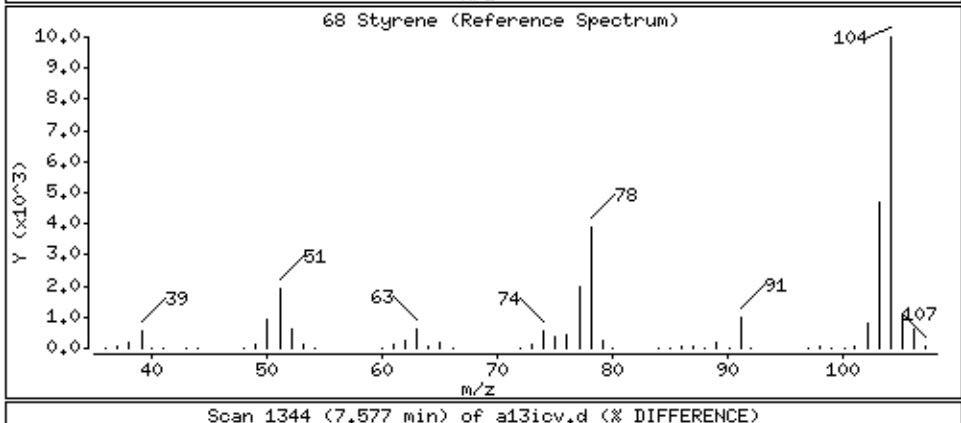
Concentration: 43.4 ppb

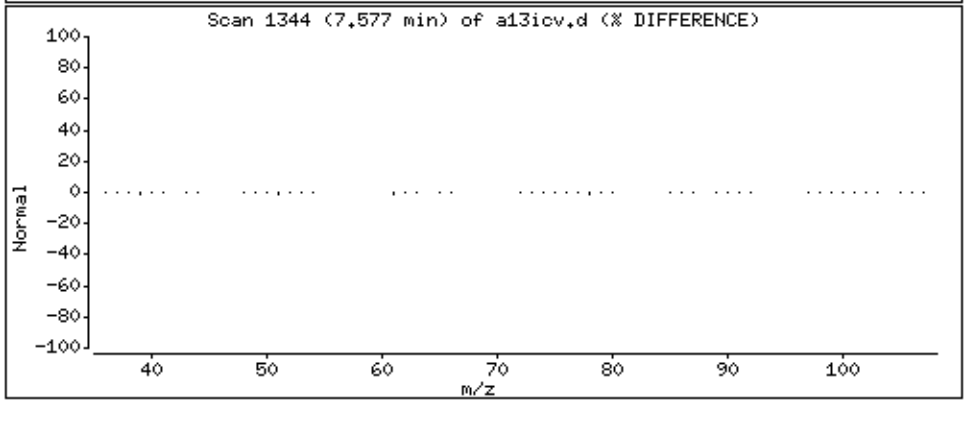












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

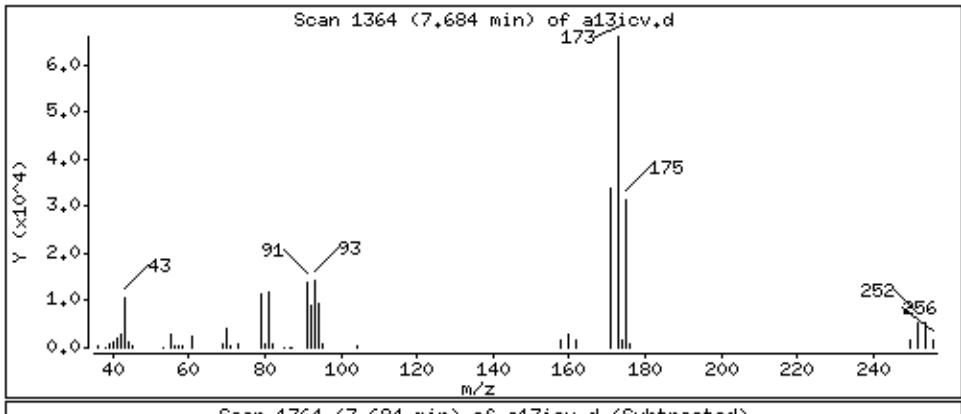
Operator: ala

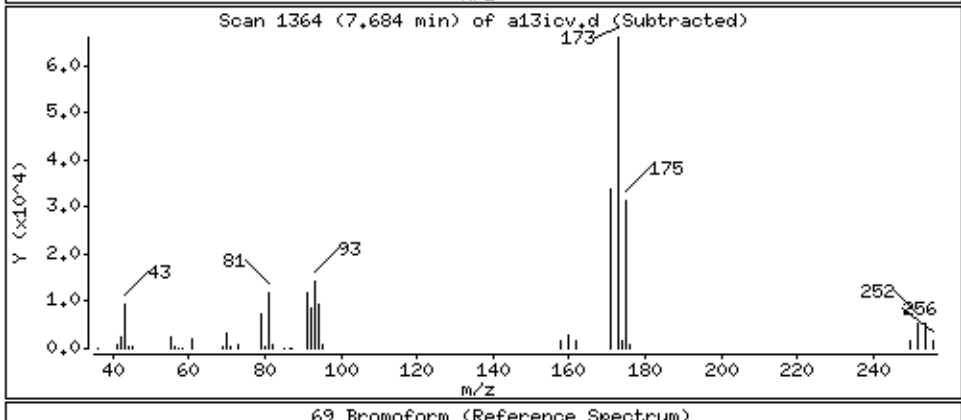
Column phase: DB-624

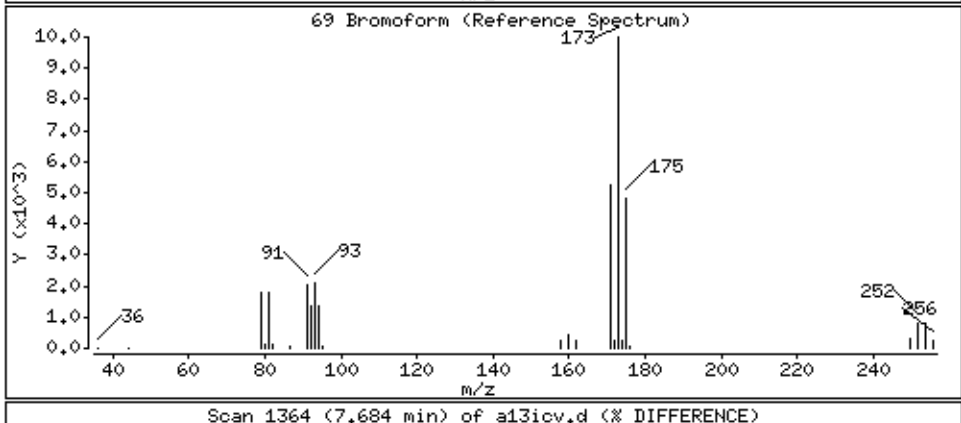
Column diameter: 0.18

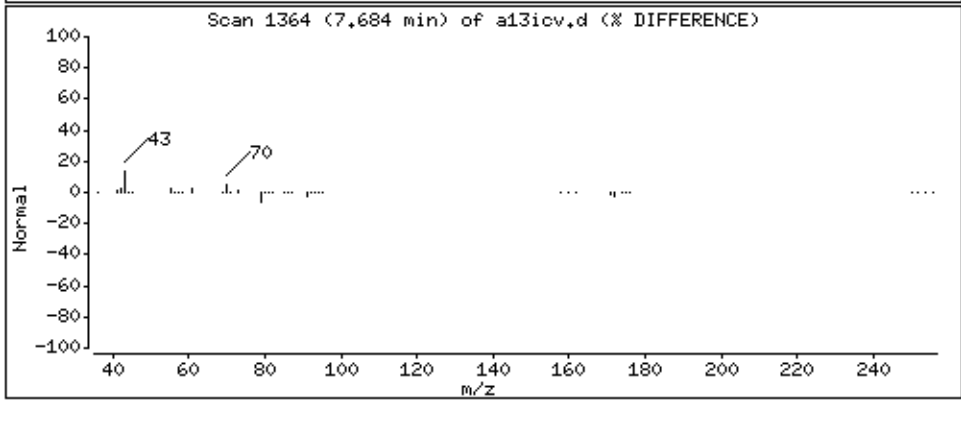
69 Bromoform

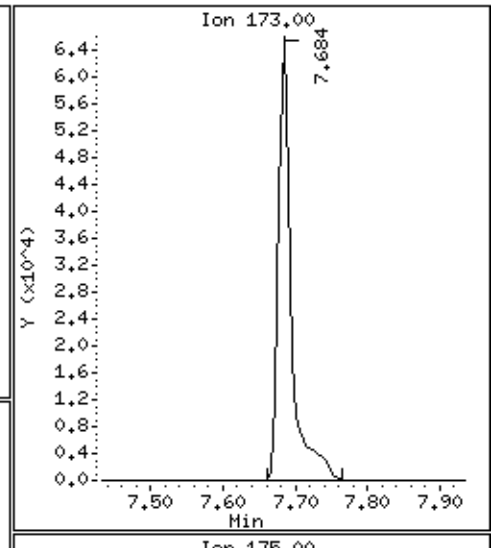
Concentration: 40.4 ppb

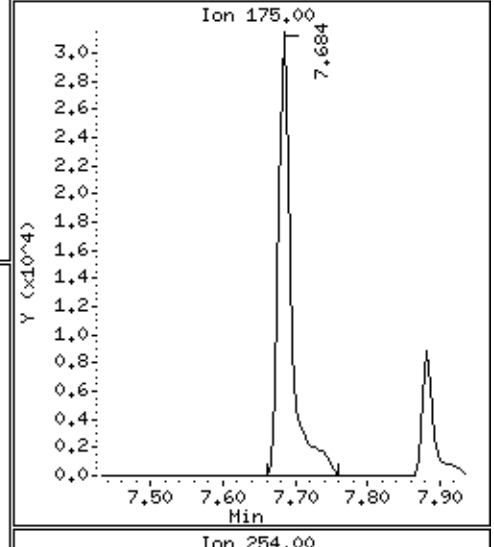


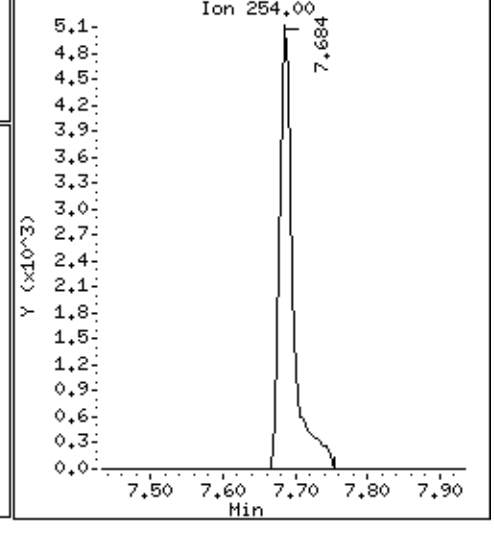












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

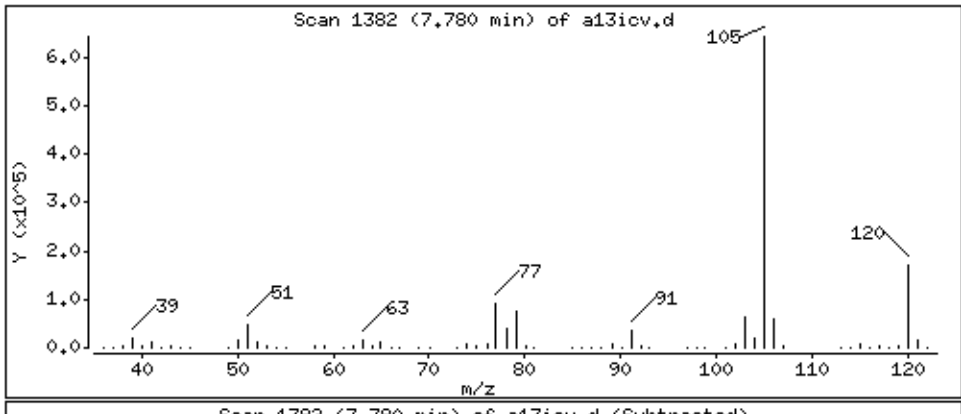
Operator: ala

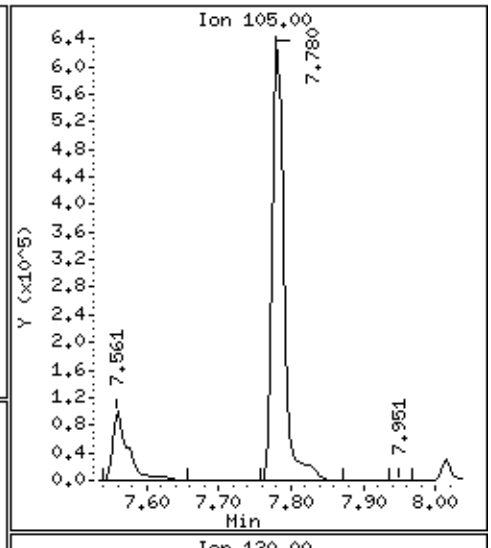
Column phase: DB-624

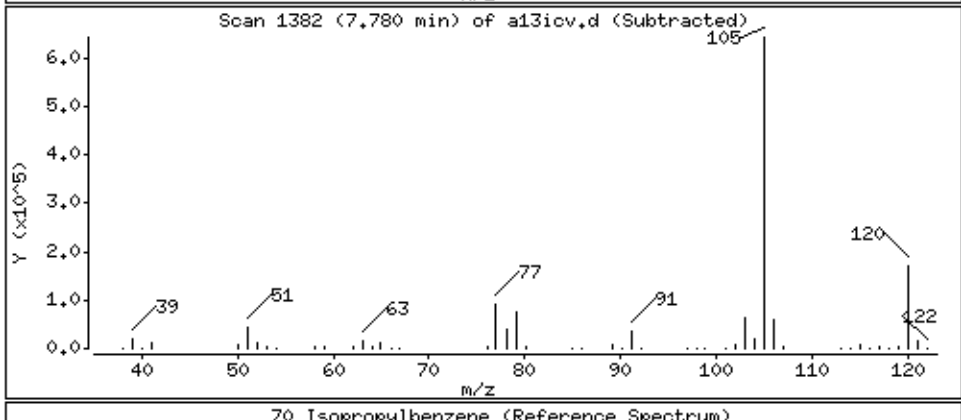
Column diameter: 0.18

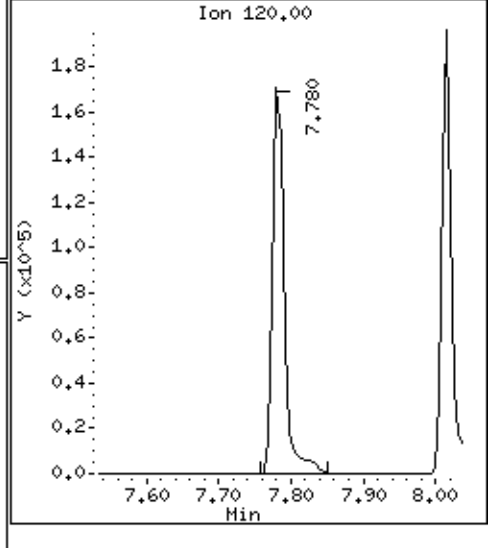
70 Isopropylbenzene

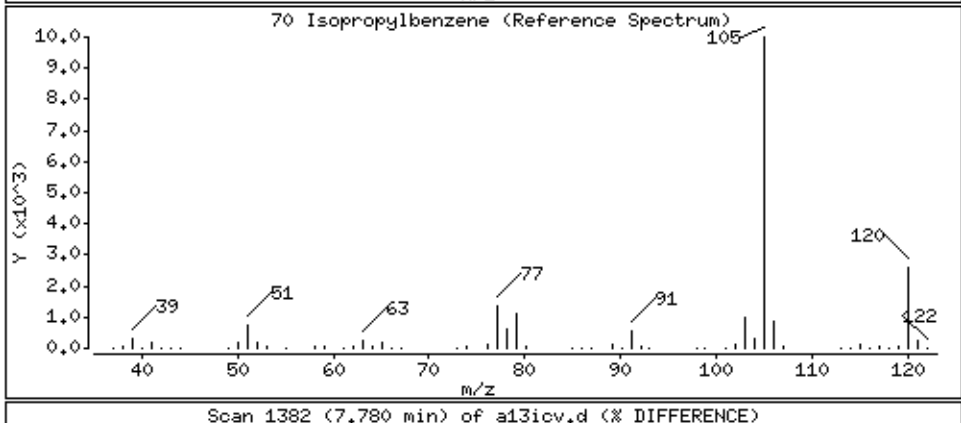
Concentration: 39.1 ppb

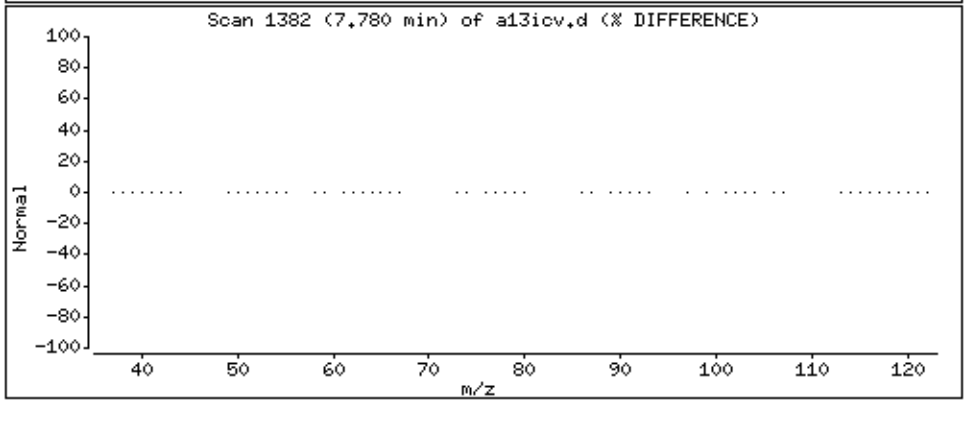












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

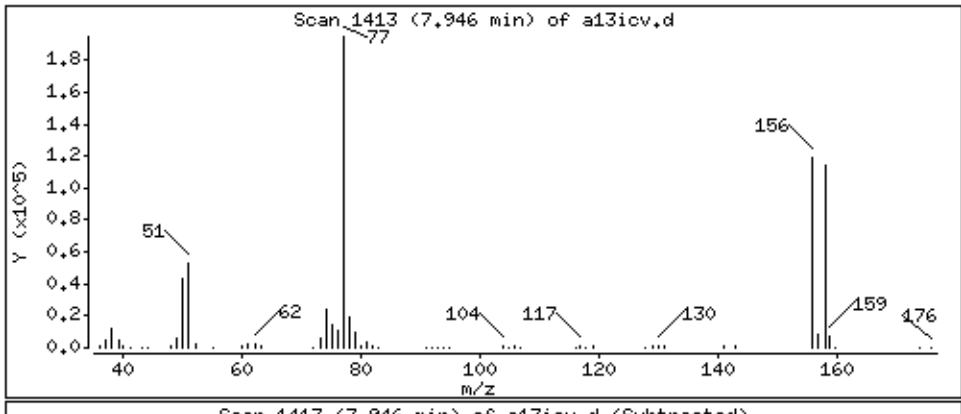
Operator: ala

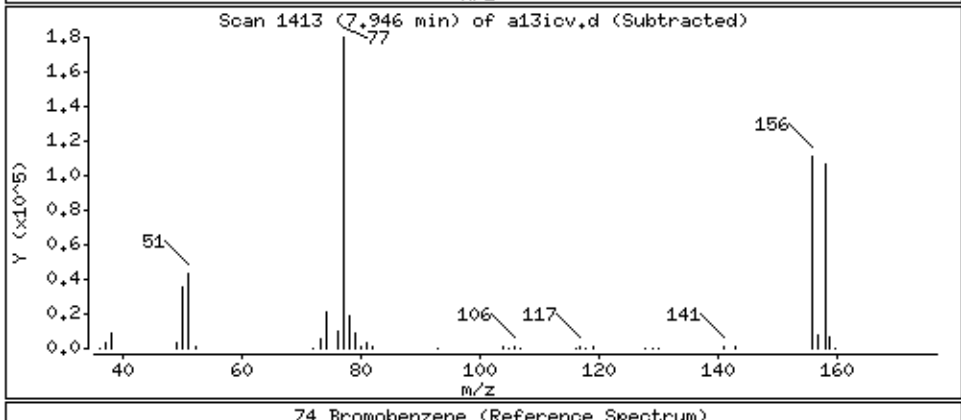
Column phase: DB-624

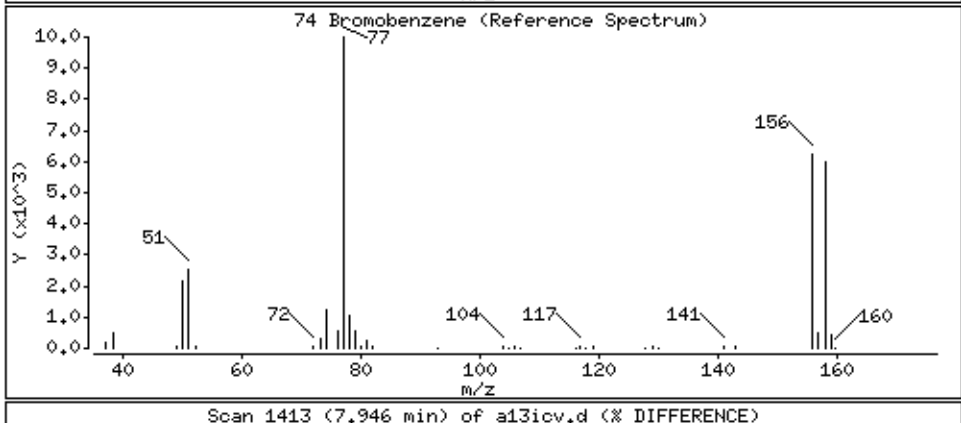
Column diameter: 0.18

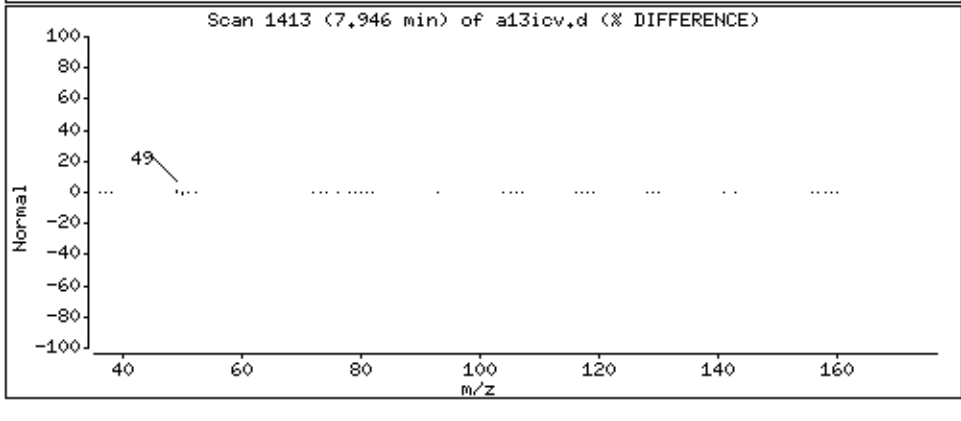
74 Bromobenzene

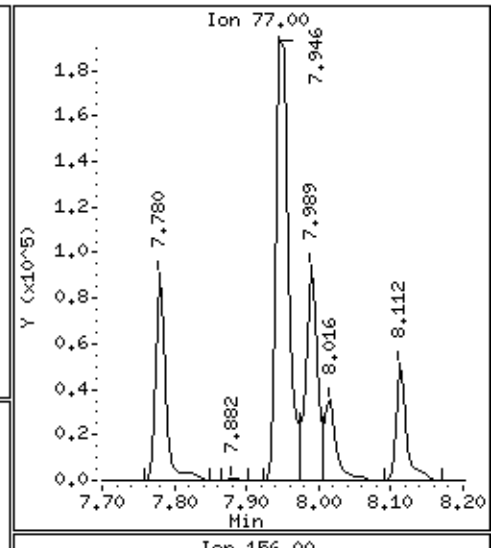
Concentration: 36.4 ppb

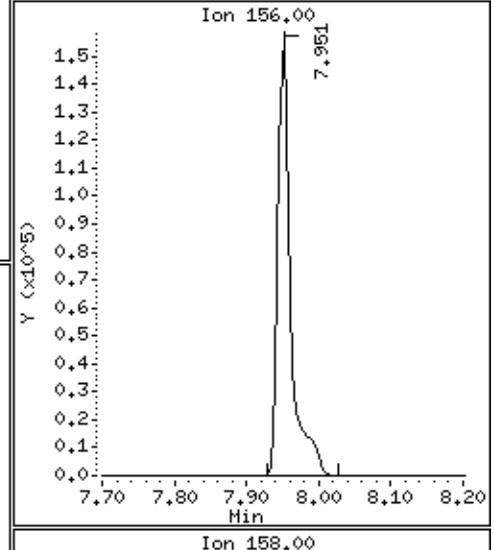


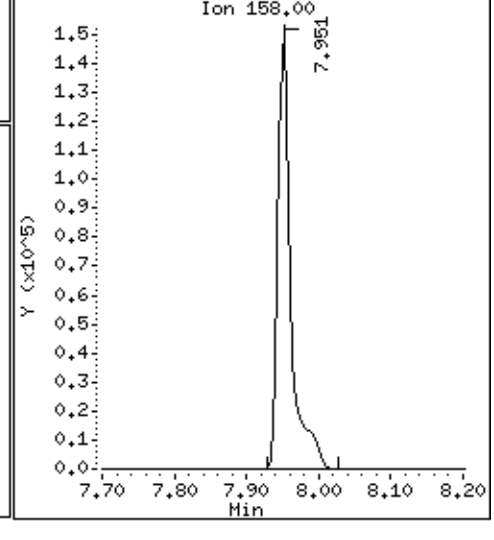












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

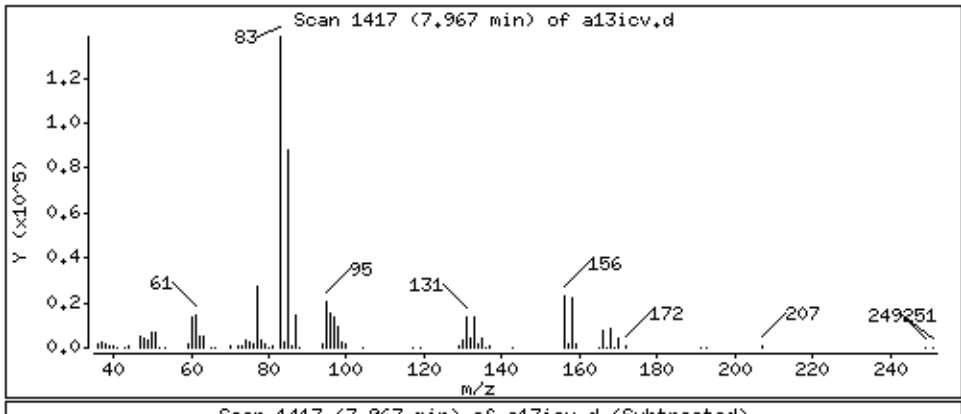
Operator: ala

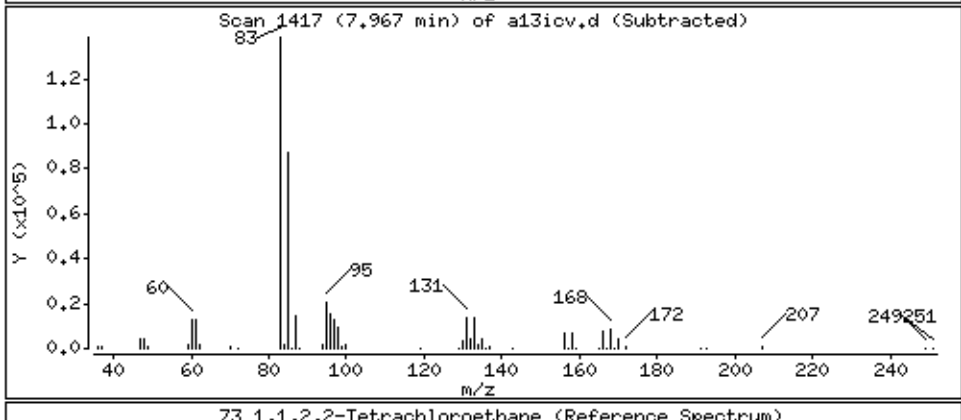
Column phase: DB-624

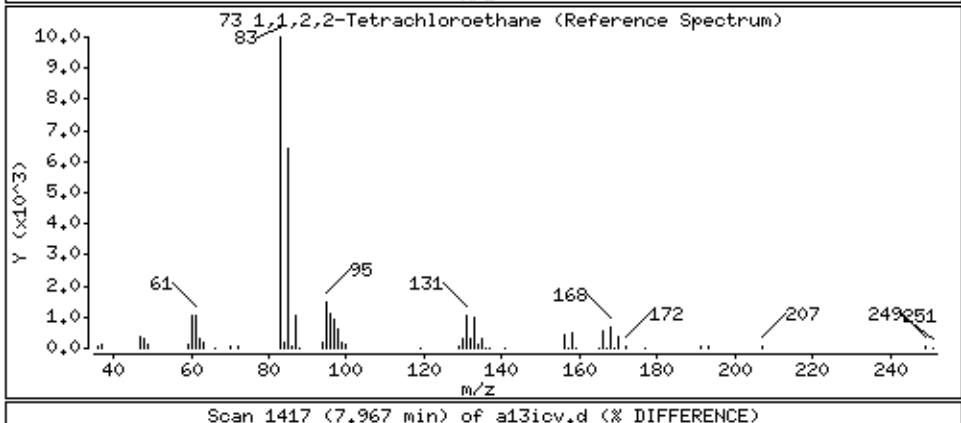
Column diameter: 0.18

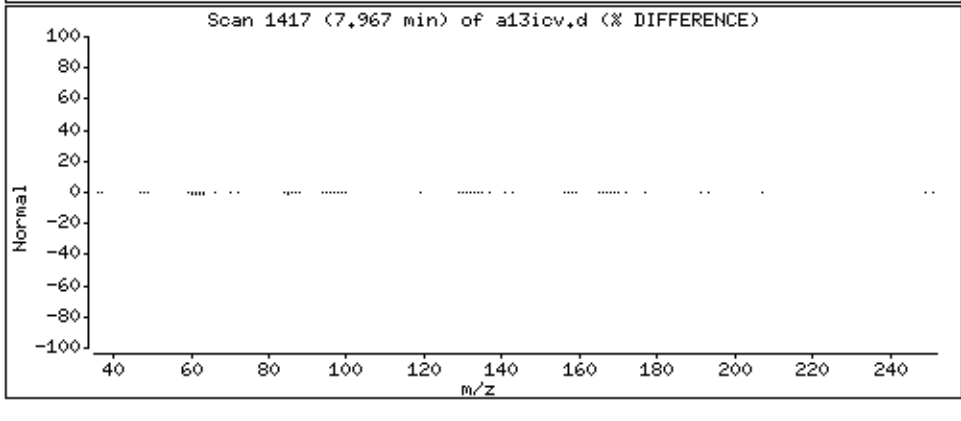
73 1,1,2,2-Tetrachloroethane

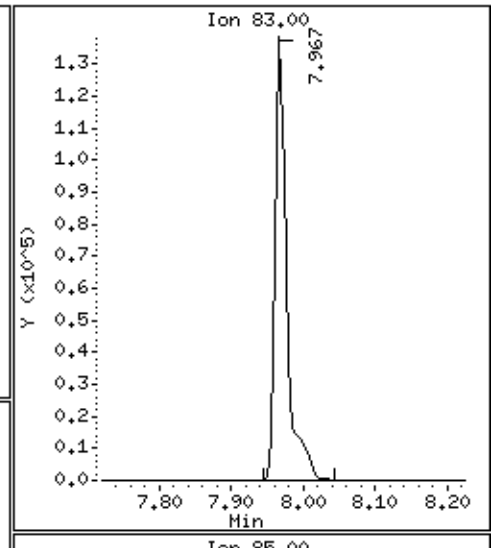
Concentration: 43.4 ppb

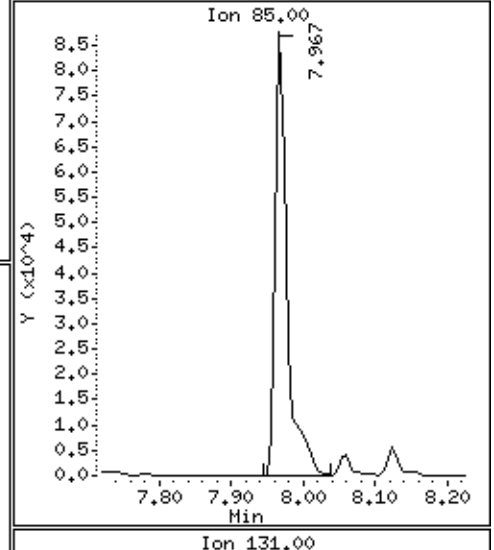


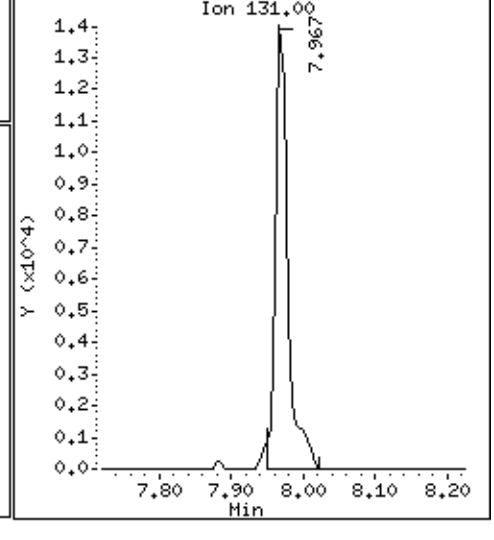












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

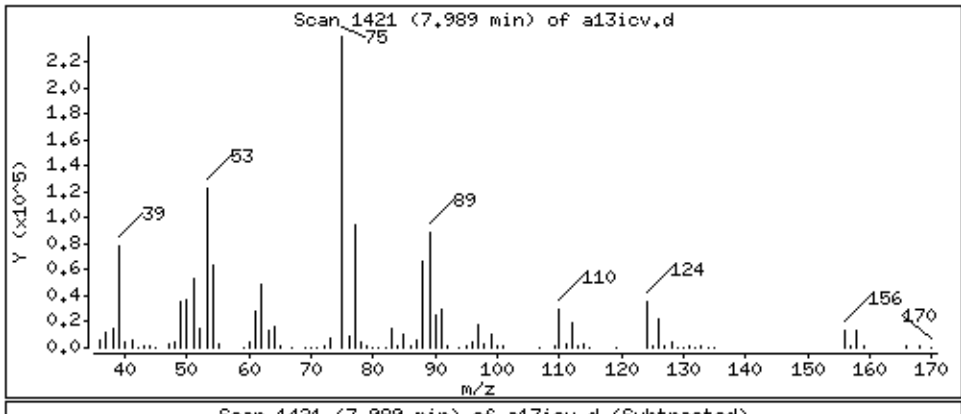
Operator: ala

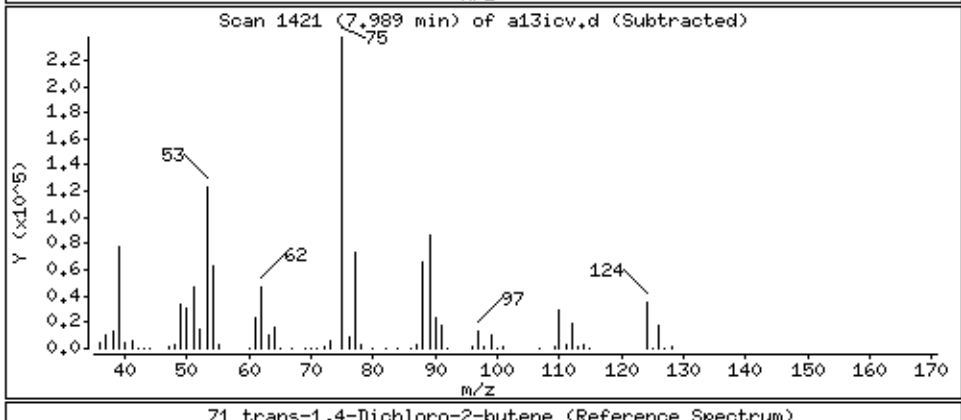
Column phase: DB-624

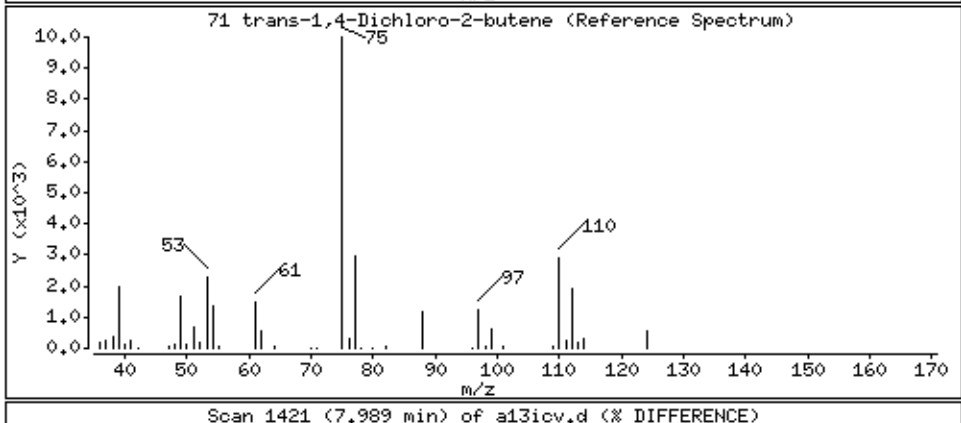
Column diameter: 0.18

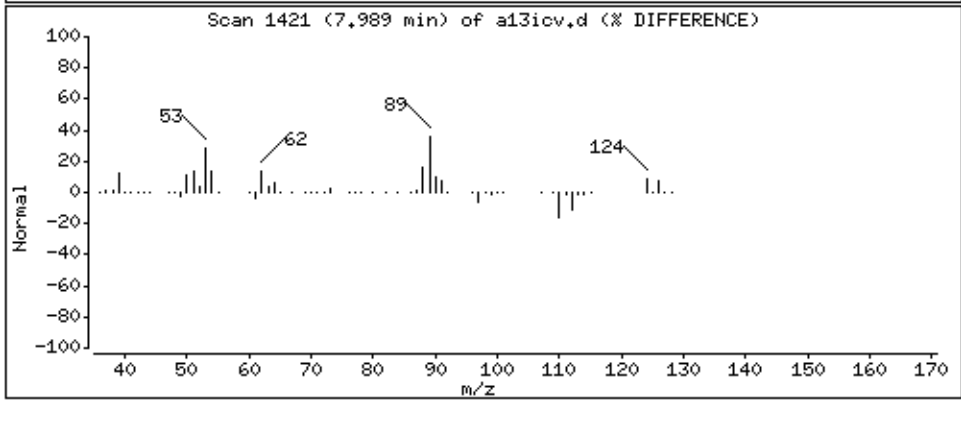
71 trans-1,4-Dichloro-2-butene

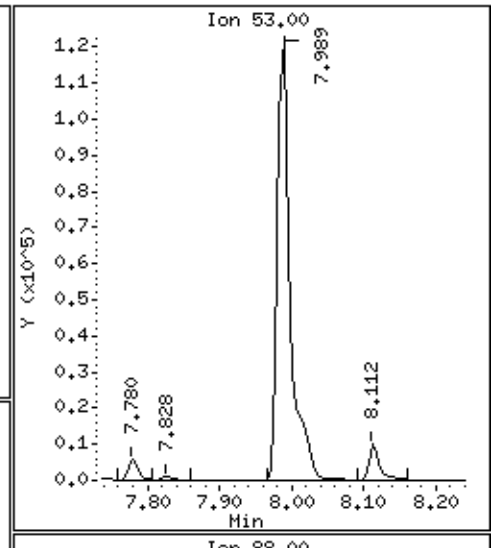
Concentration: 181 ppb

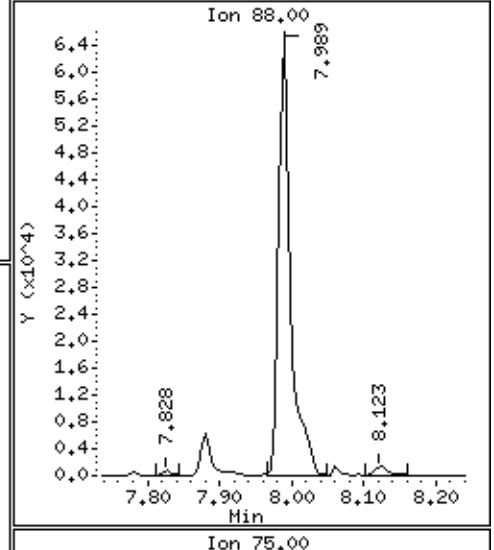


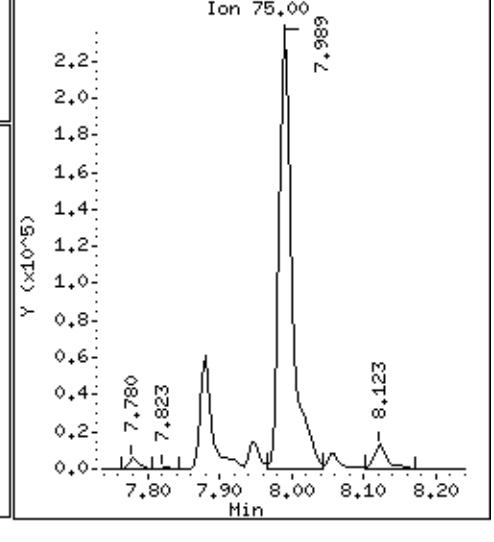












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

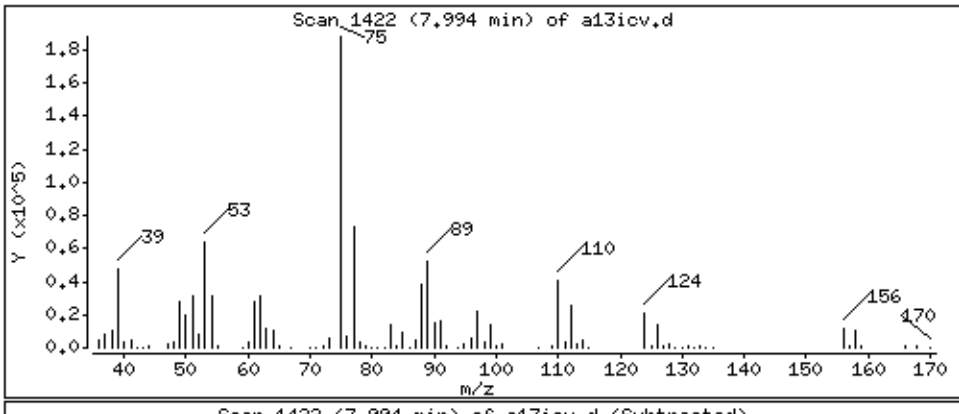
Operator: ala

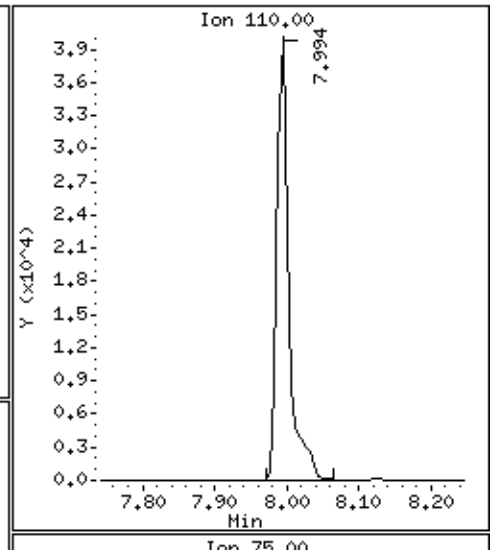
Column phase: DB-624

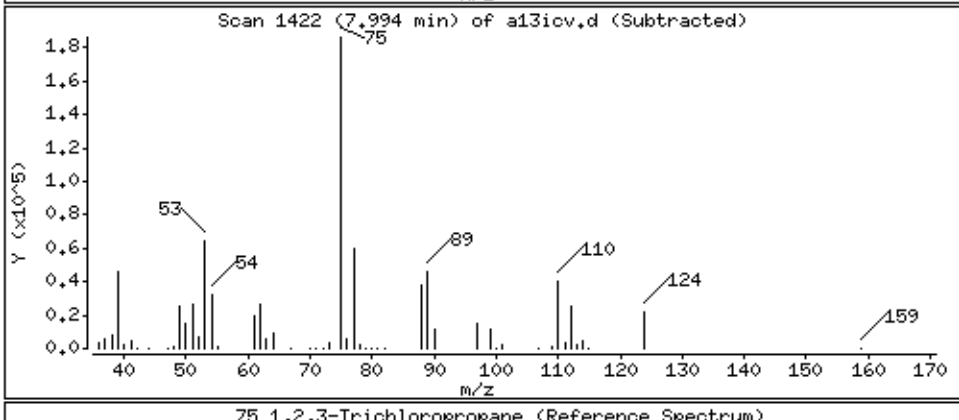
Column diameter: 0.18

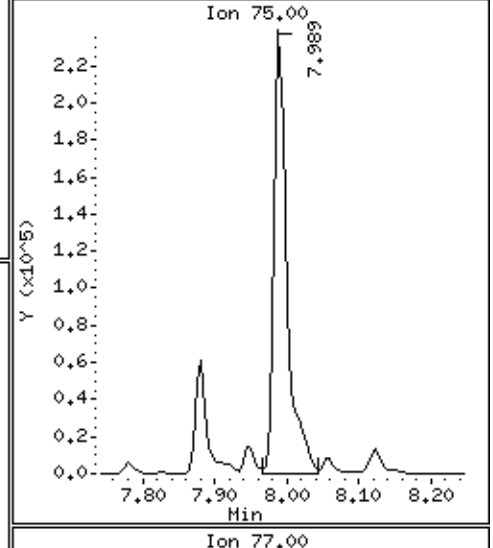
75 1,2,3-Trichloropropane

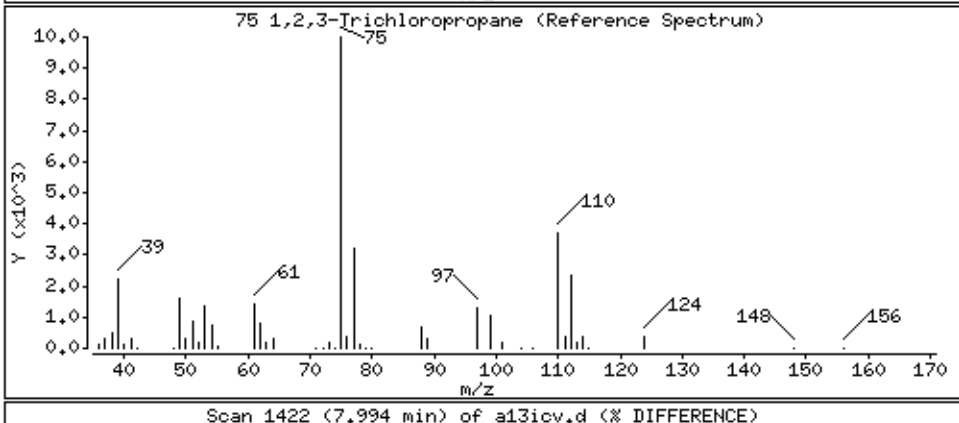
Concentration: 44.4 ppb

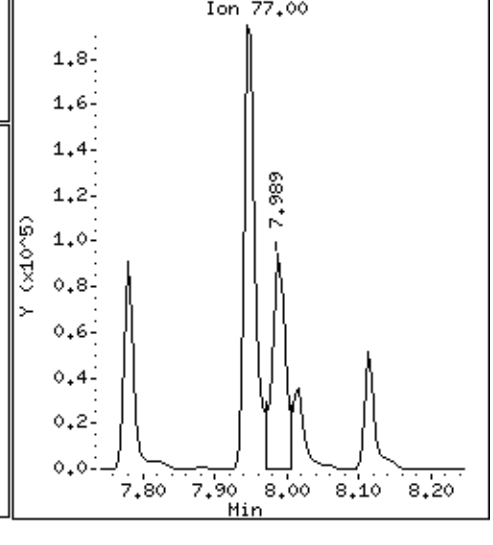


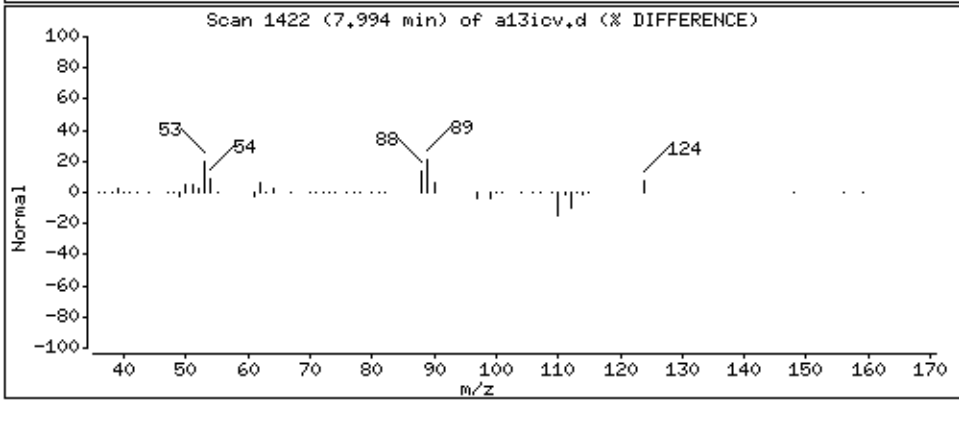












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

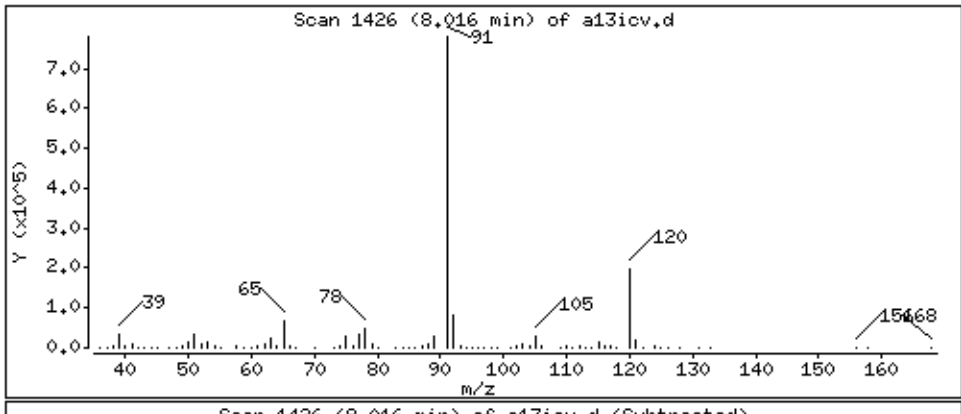
Operator: ala

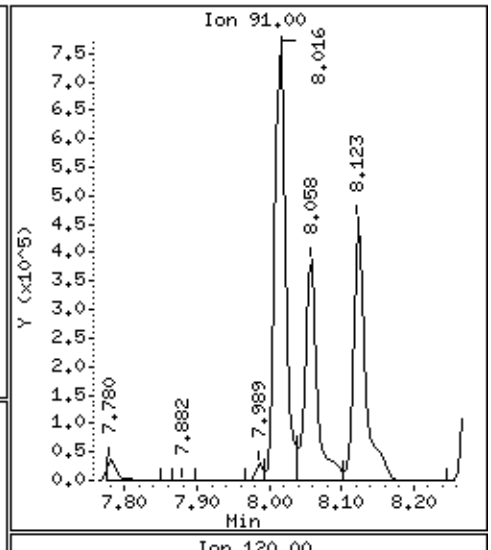
Column phase: DB-624

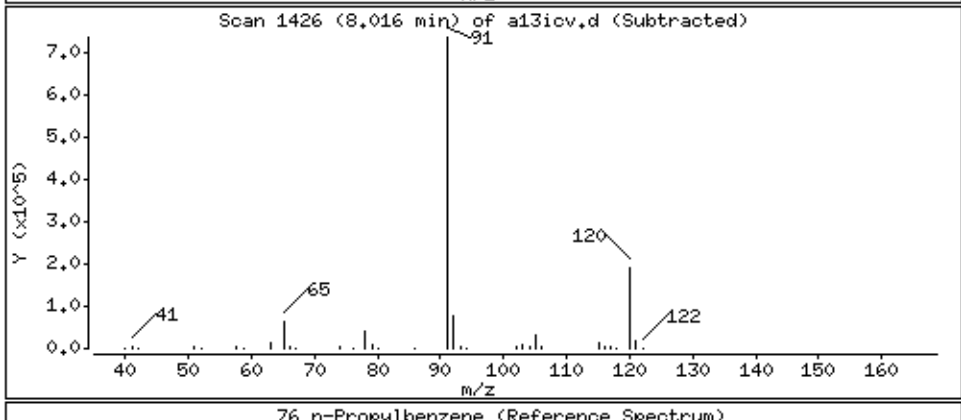
Column diameter: 0.18

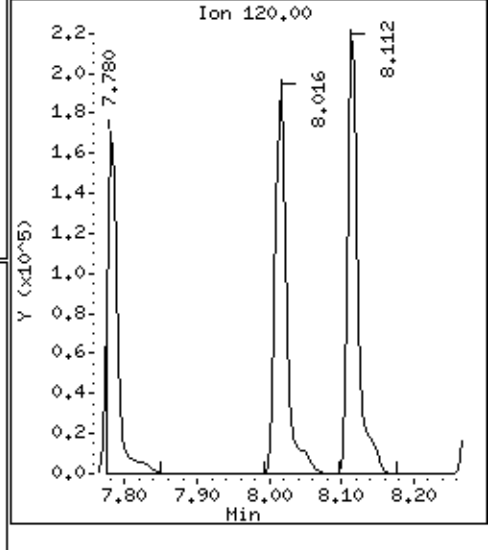
76 n-Propylbenzene

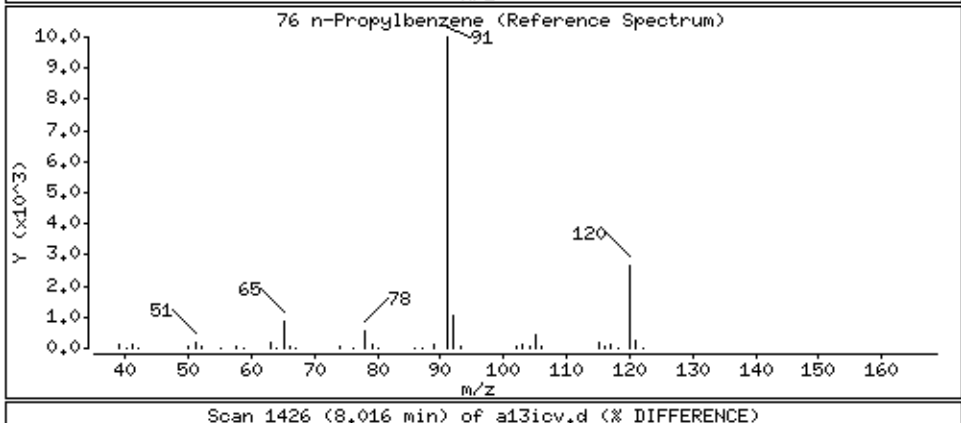
Concentration: 41.8 ppb

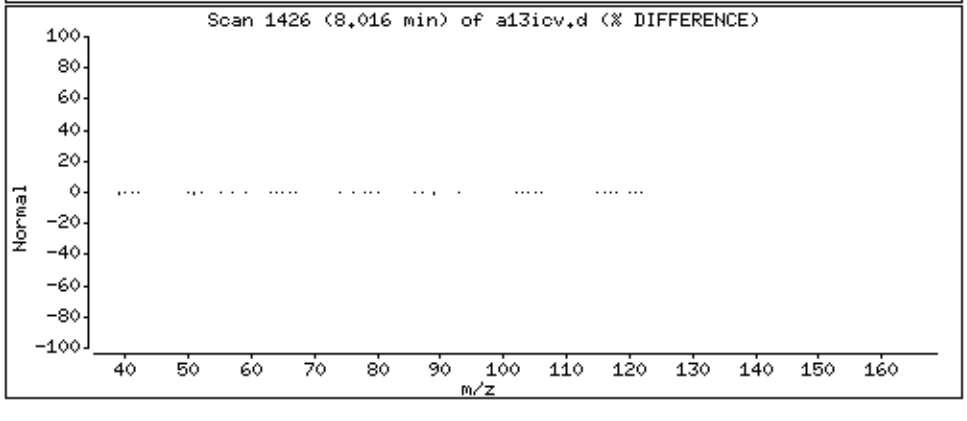












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

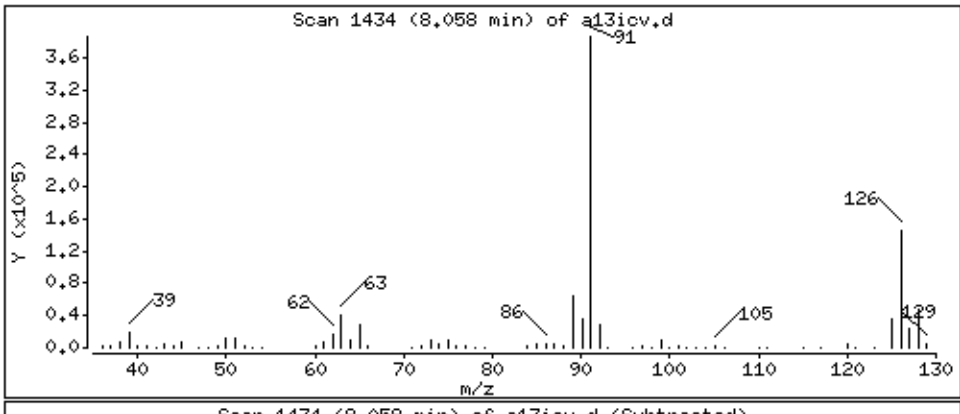
Operator: ala

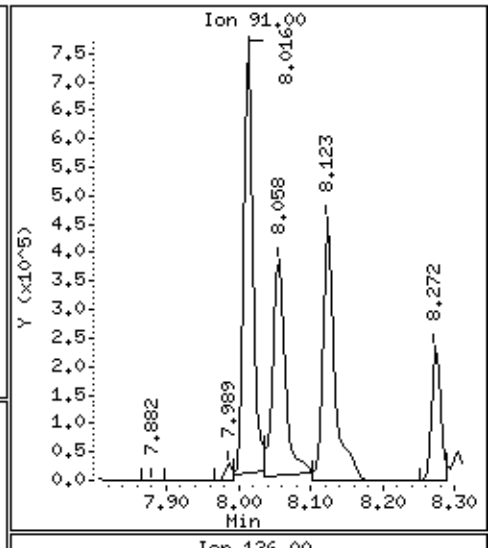
Column phase: DB-624

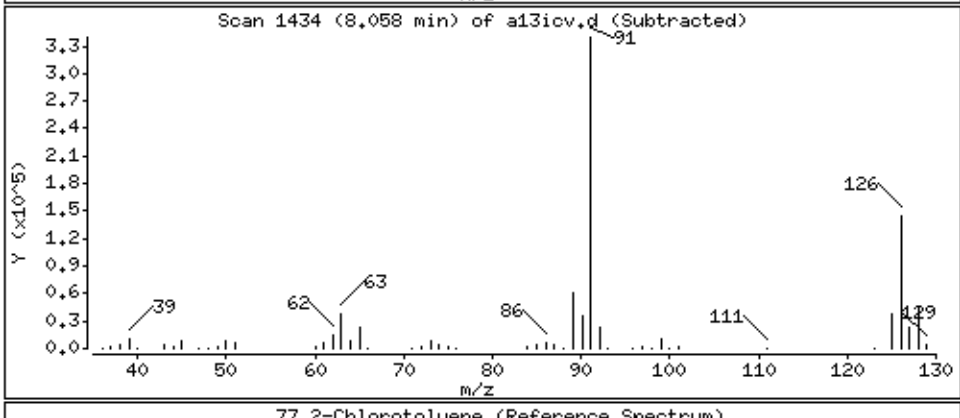
Column diameter: 0.18

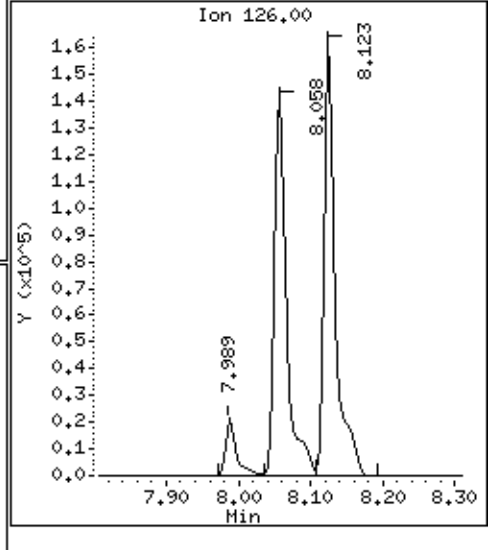
77 2-Chlorotoluene

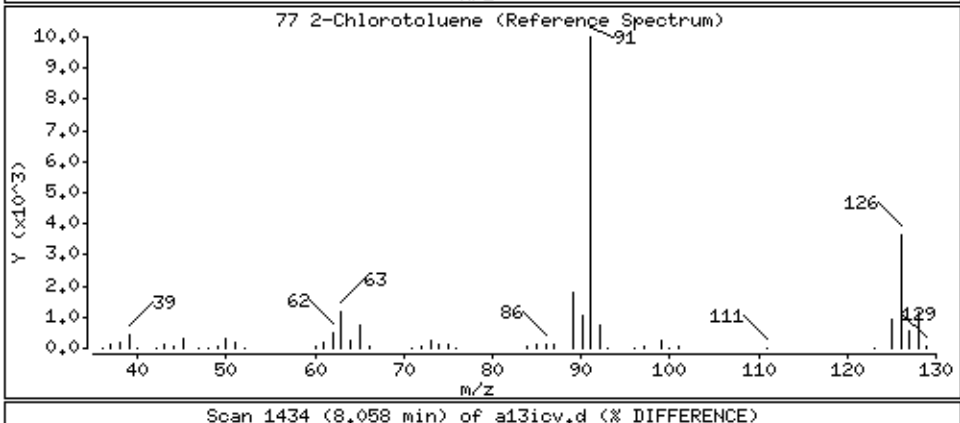
Concentration: 39.8 ppb

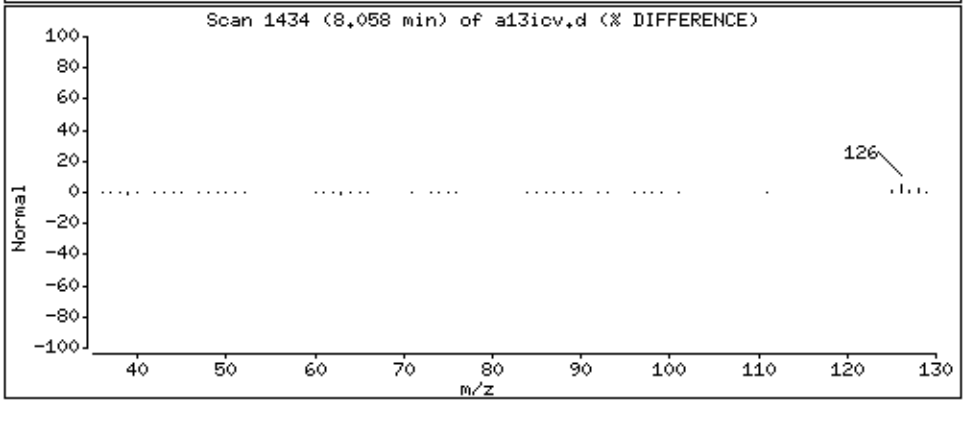












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

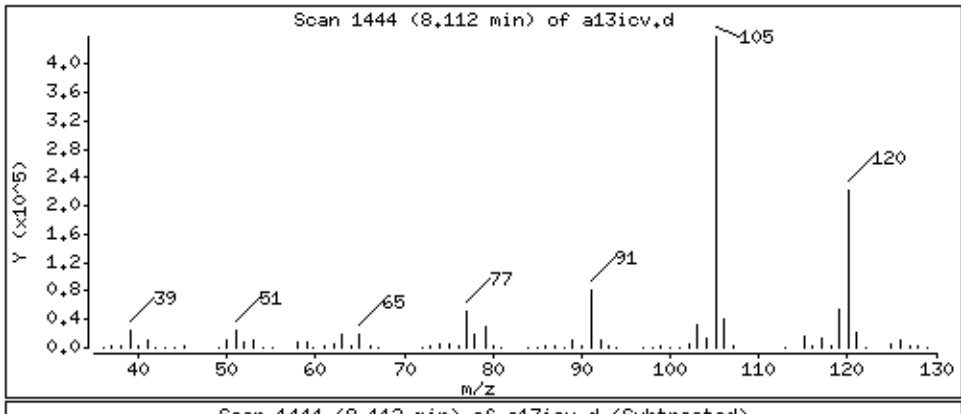
Operator: ala

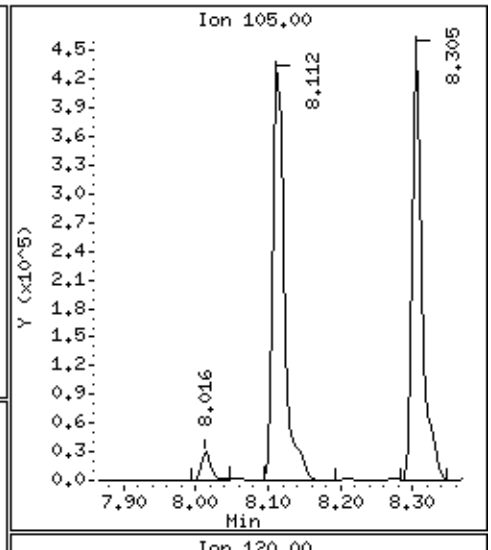
Column phase: DB-624

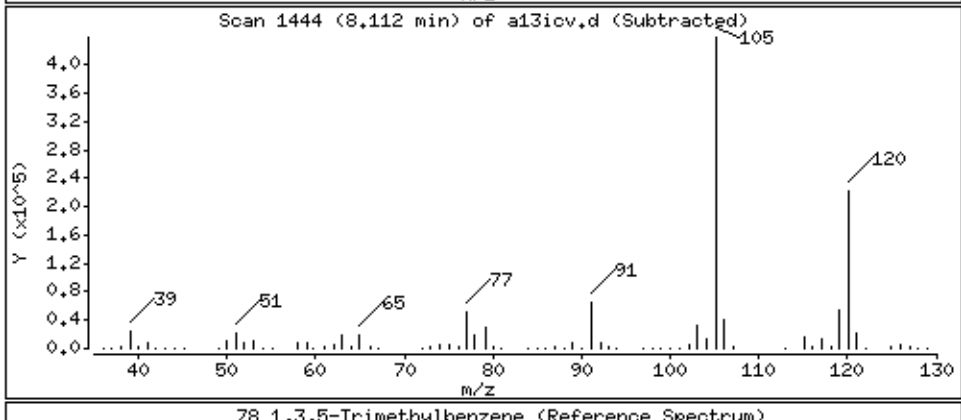
Column diameter: 0.18

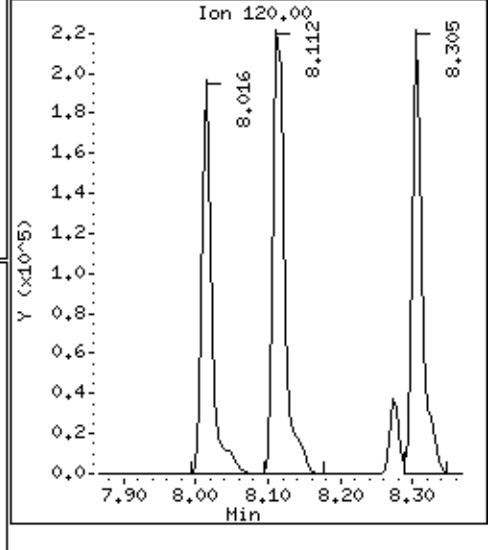
78 1,3,5-Trimethylbenzene

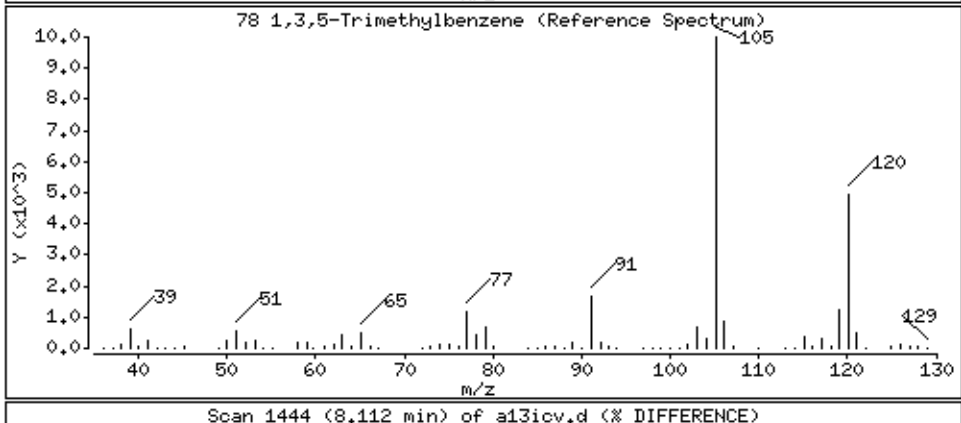
Concentration: 38.2 ppb

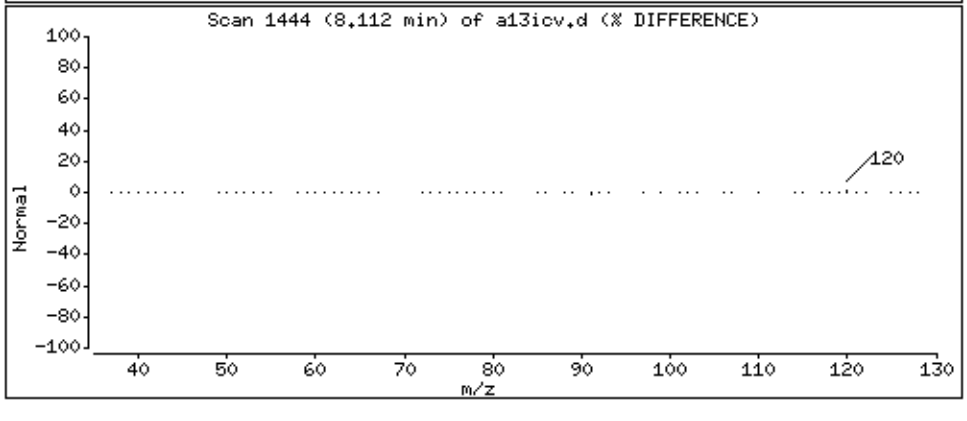












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

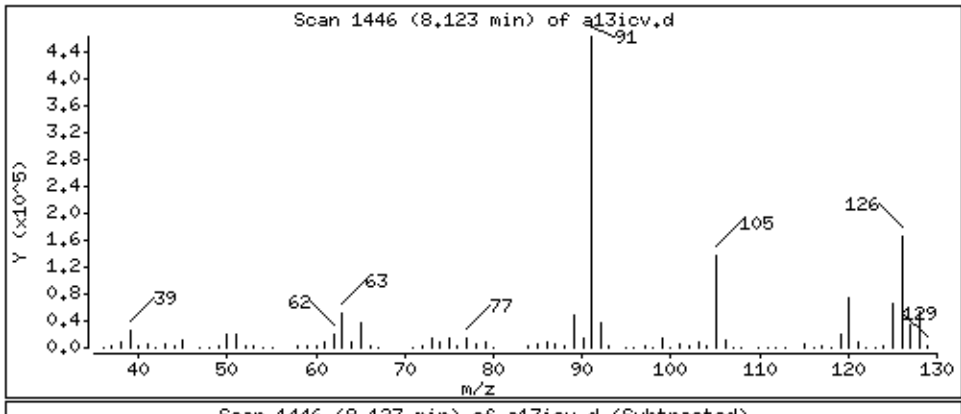
Operator: ala

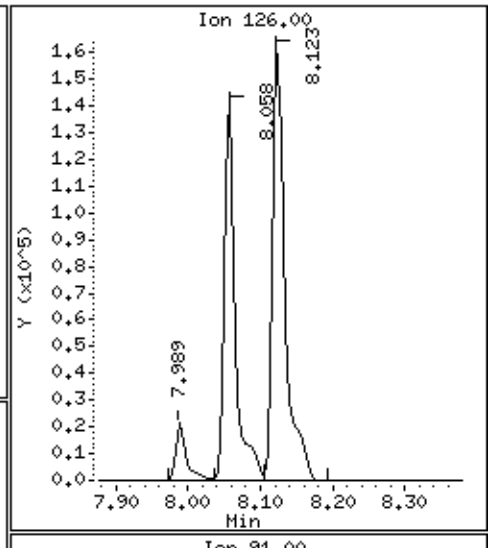
Column phase: DB-624

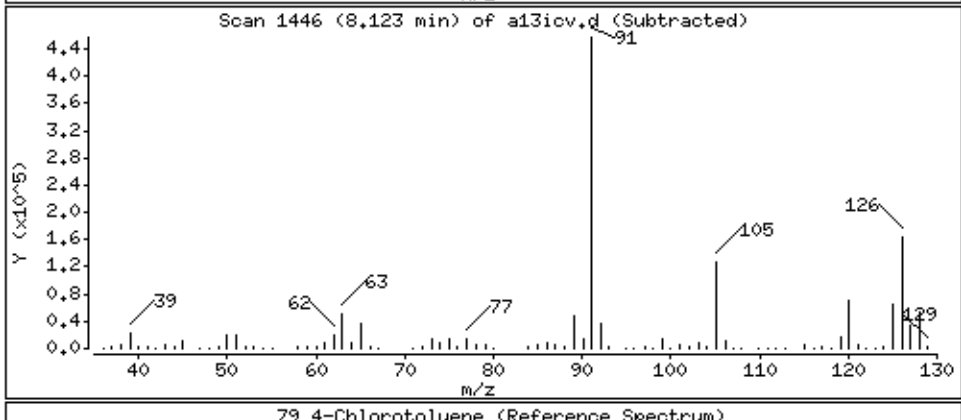
Column diameter: 0.18

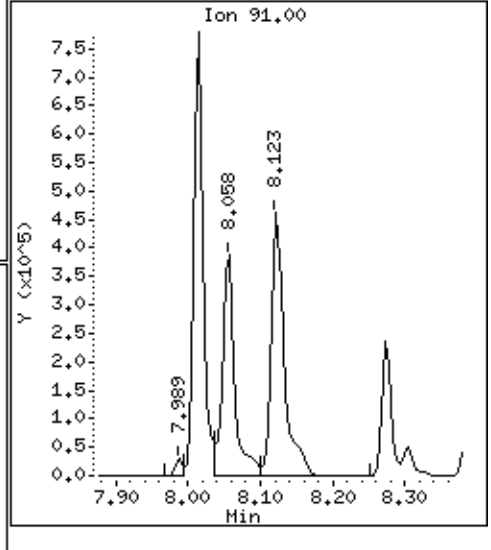
79 4-Chlorotoluene

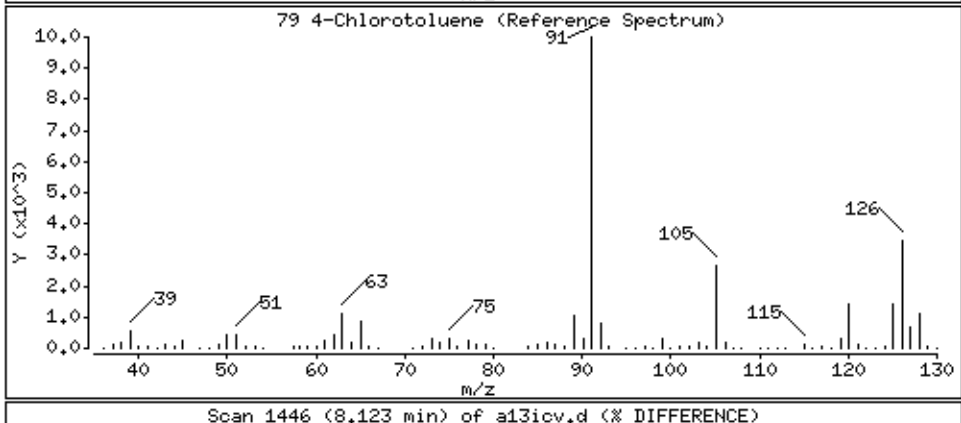
Concentration: 43.2 ppb

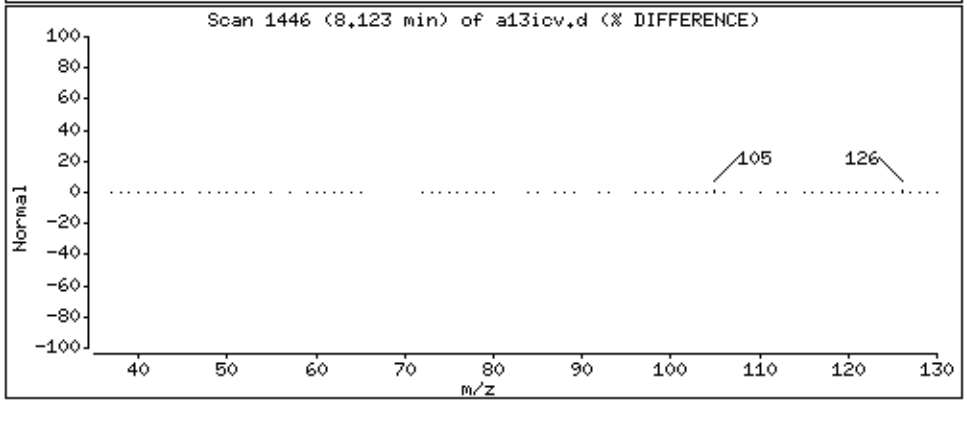












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

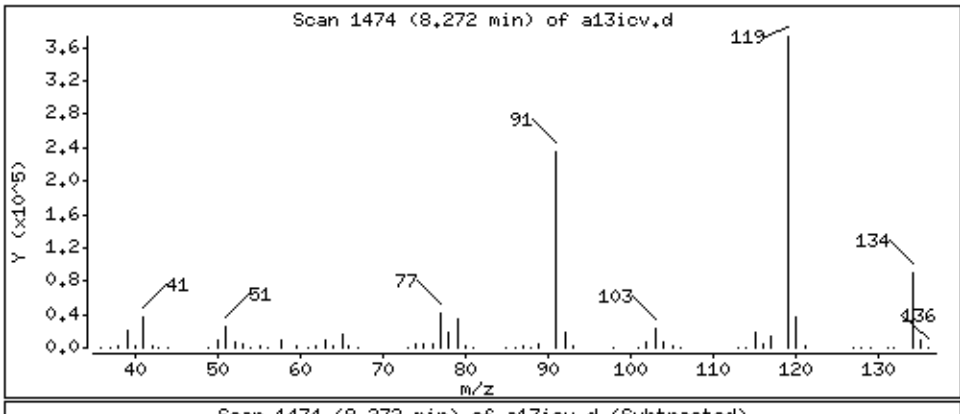
Operator: ala

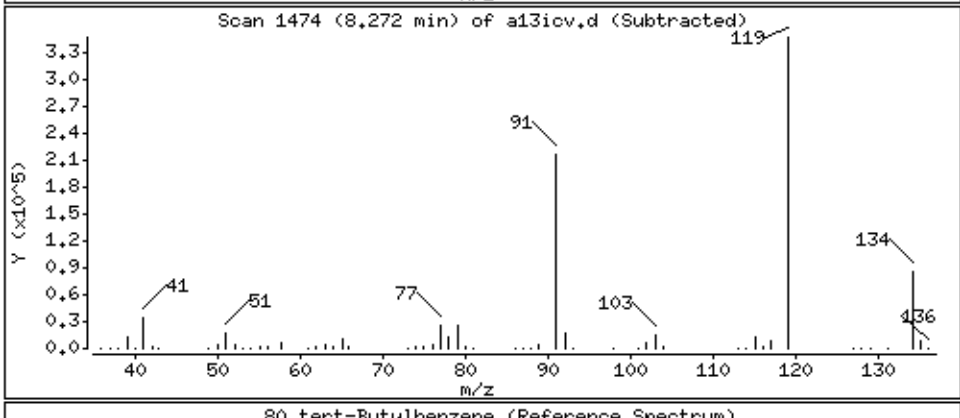
Column phase: DB-624

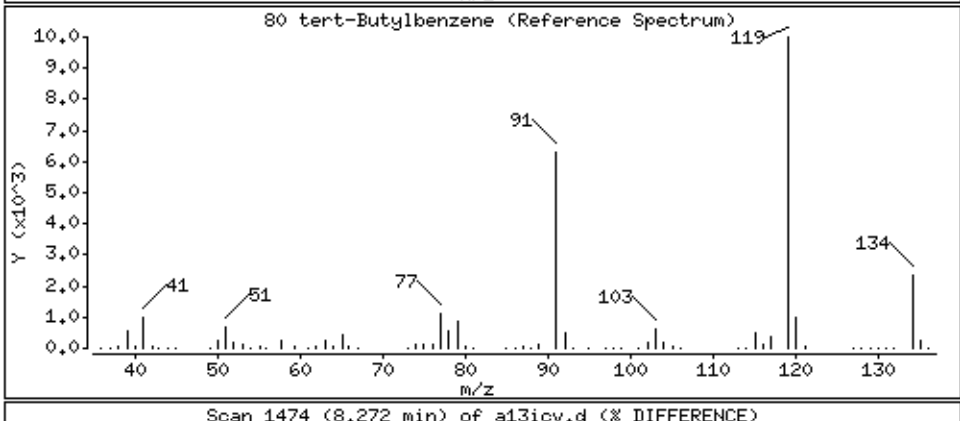
Column diameter: 0.18

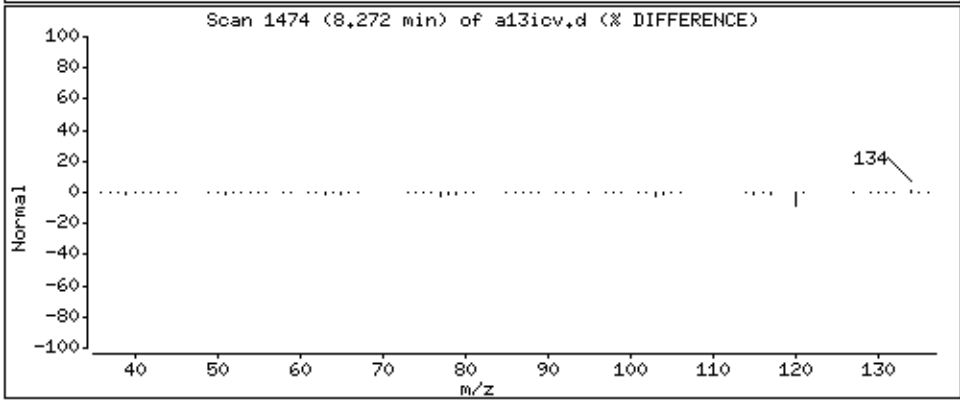
80 tert-Butylbenzene

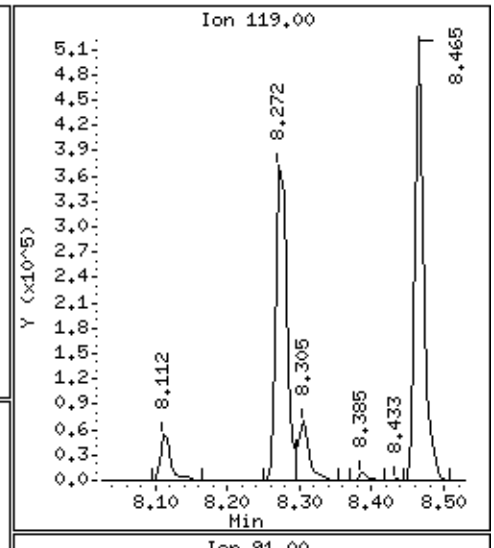
Concentration: 29.3 ppb

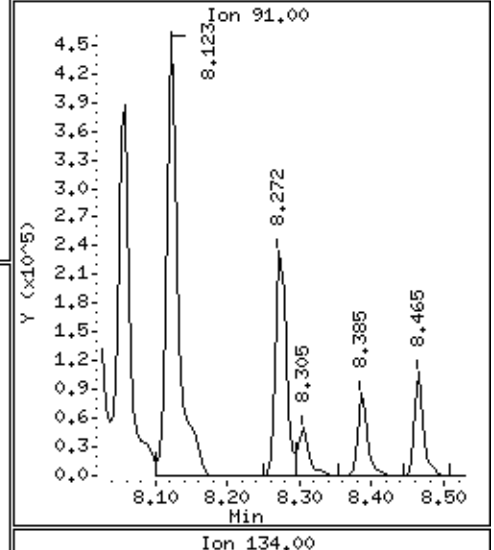


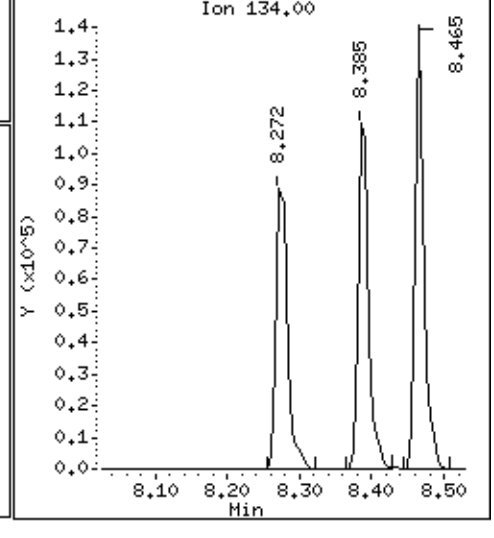












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

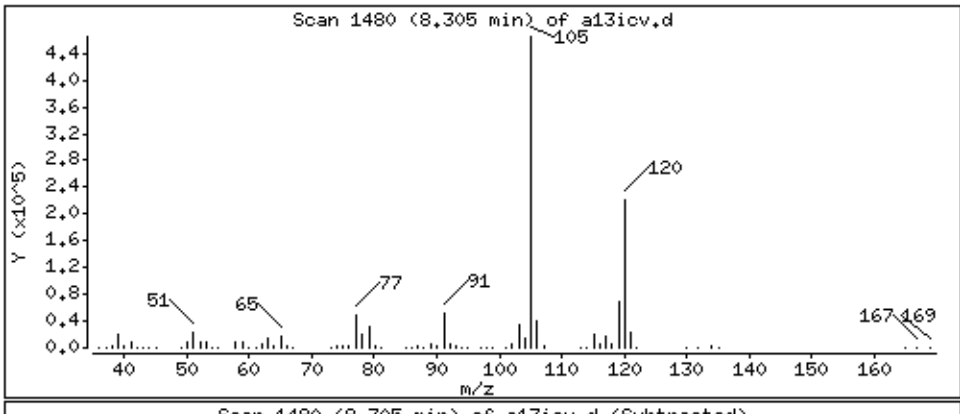
Operator: ala

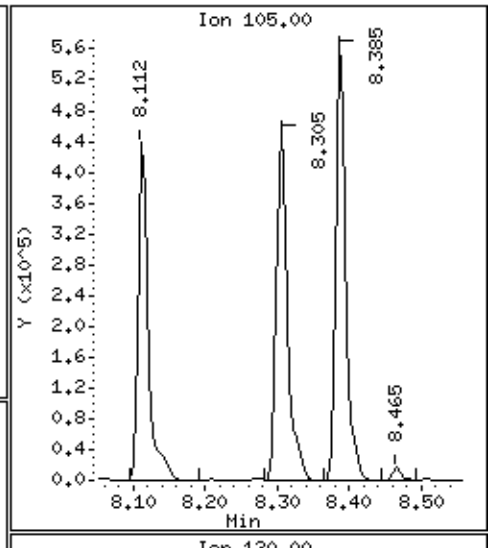
Column phase: DB-624

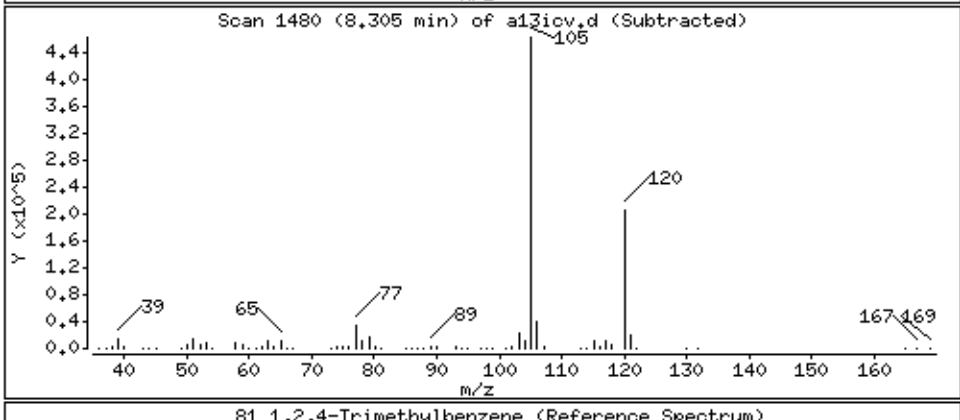
Column diameter: 0.18

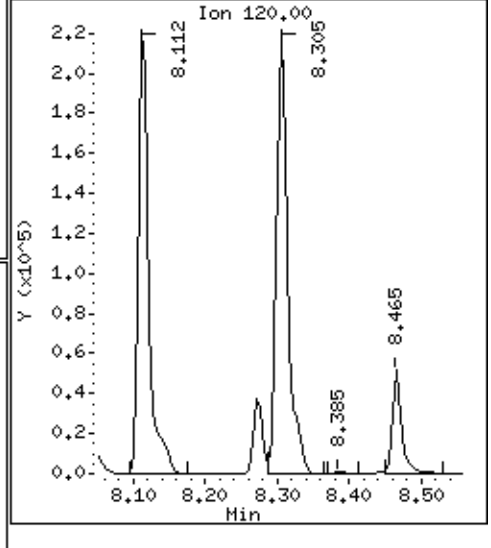
81 1,2,4-Trimethylbenzene

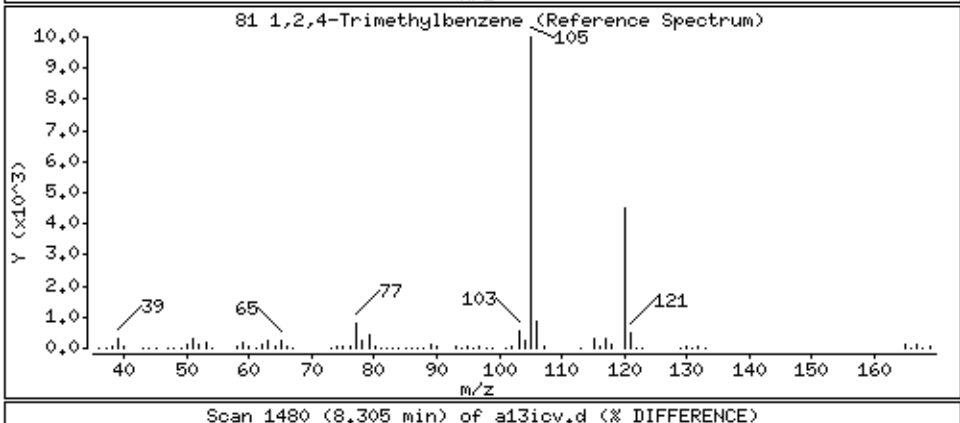
Concentration: 38.6 ppb

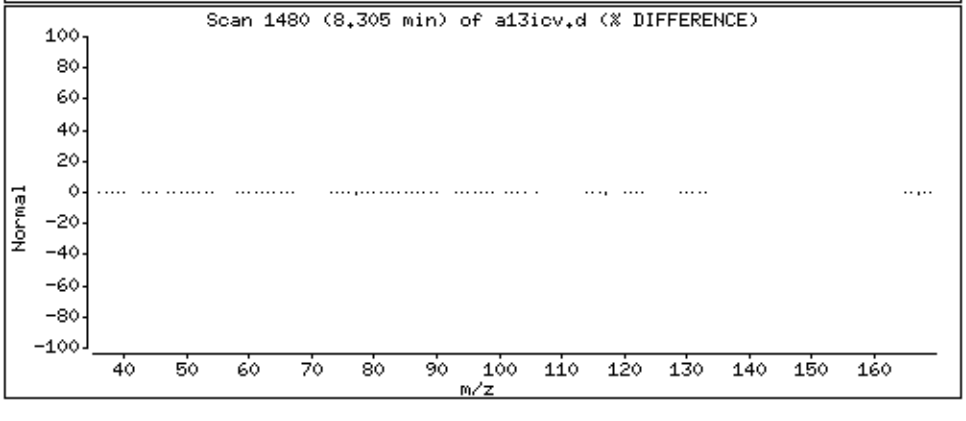












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

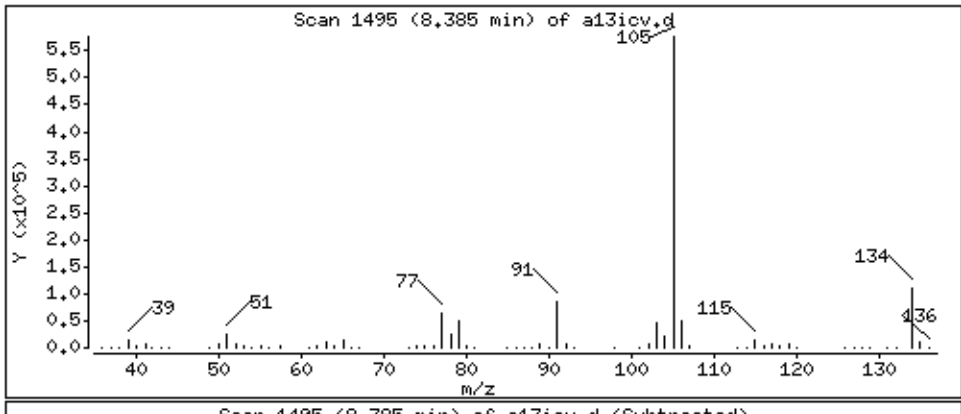
Operator: ala

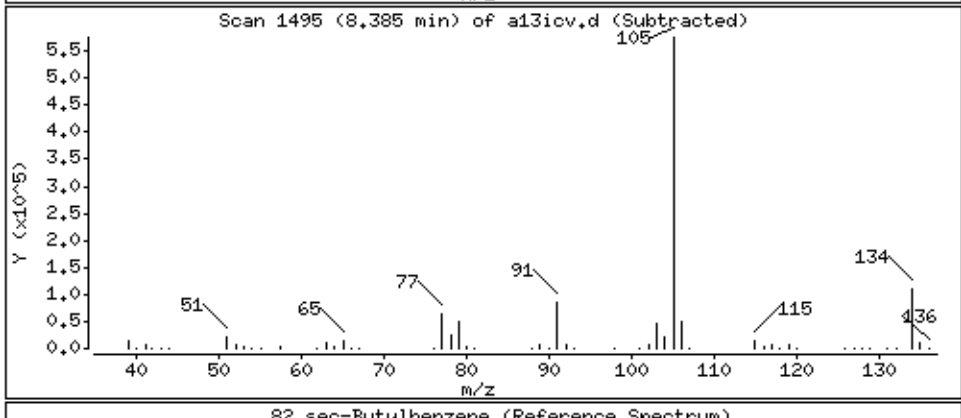
Column phase: DB-624

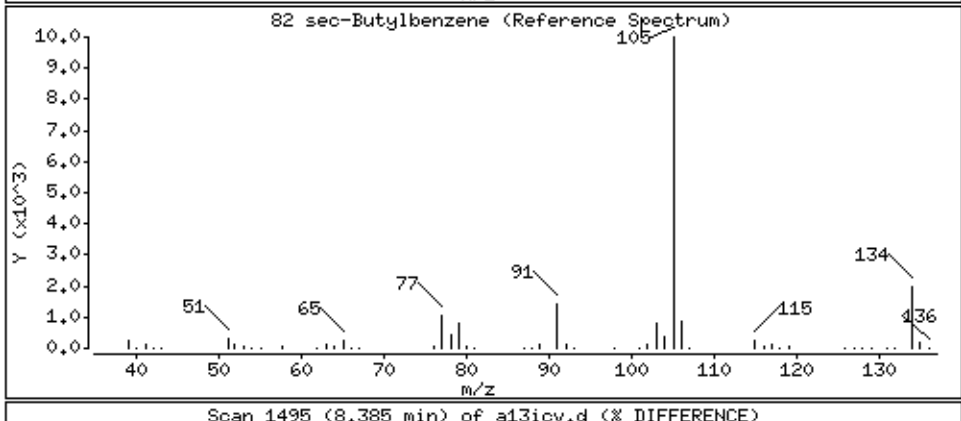
Column diameter: 0.18

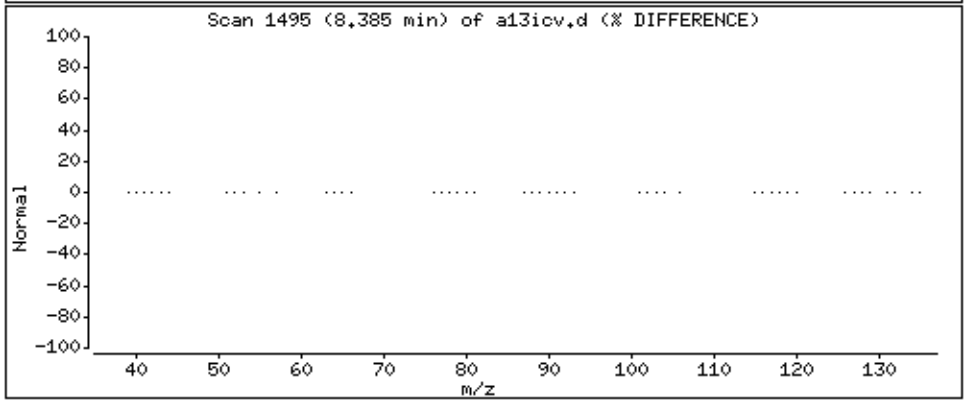
82 sec-Butylbenzene

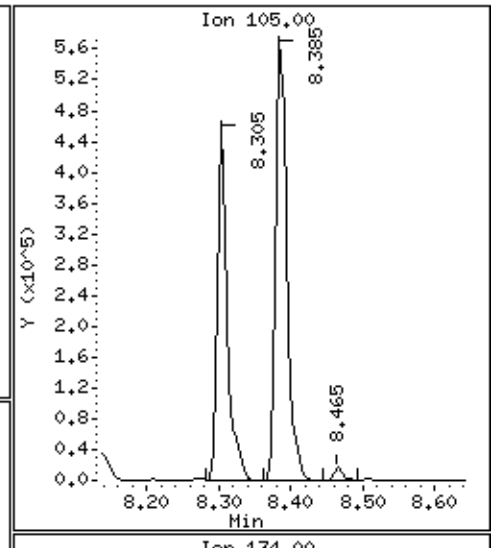
Concentration: 38.6 ppb

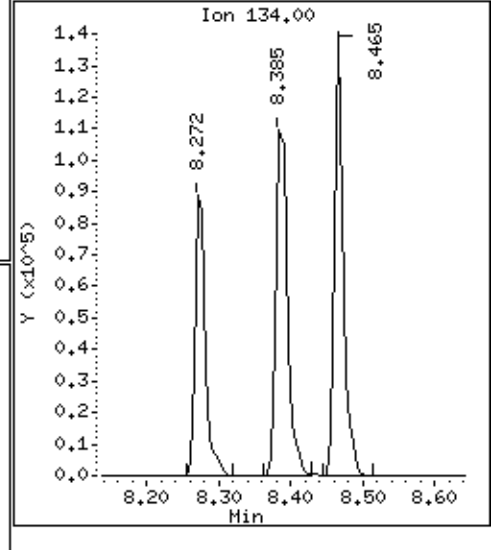












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

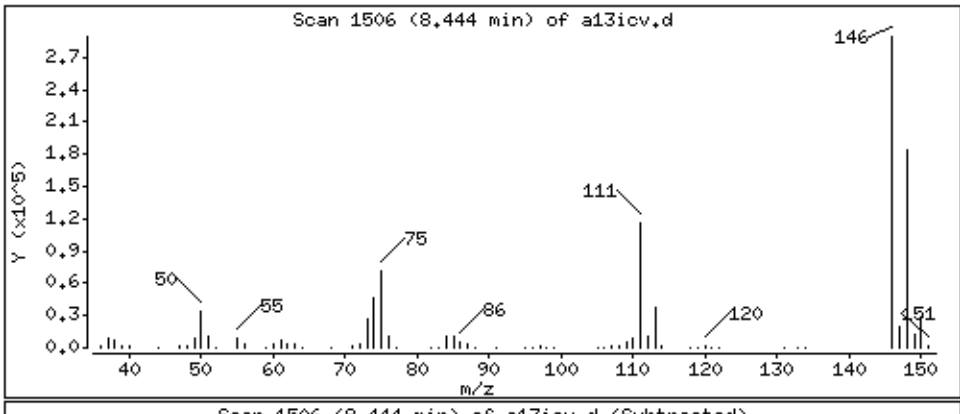
Operator: ala

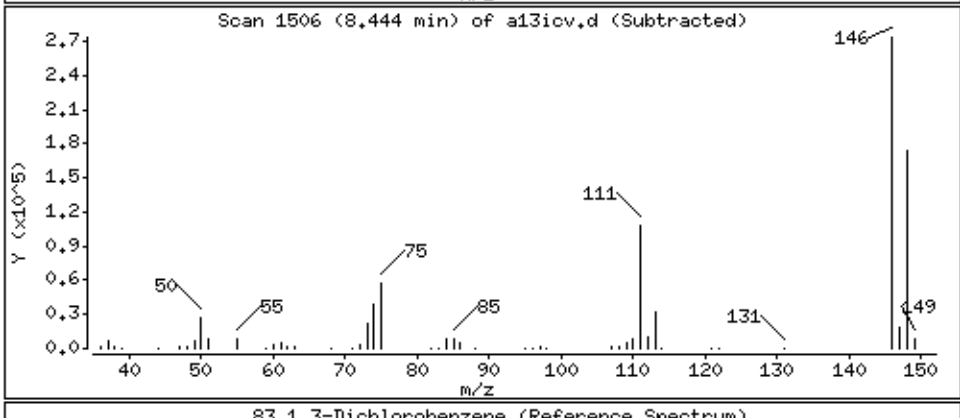
Column phase: DB-624

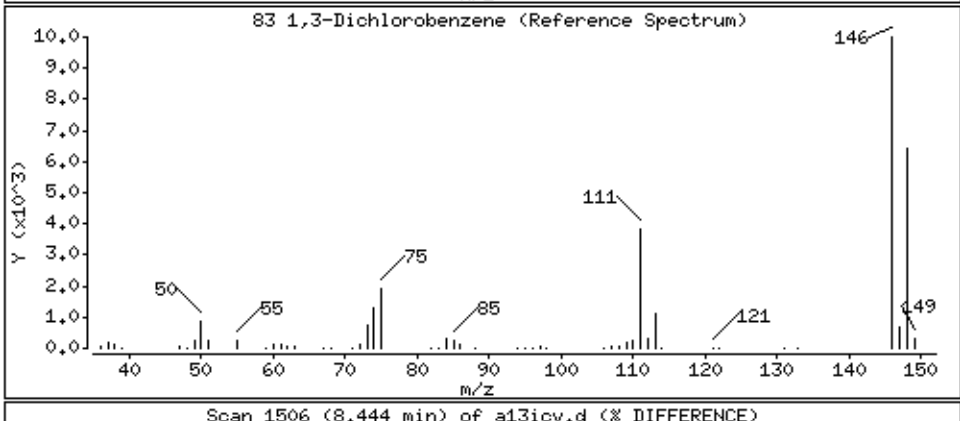
Column diameter: 0.18

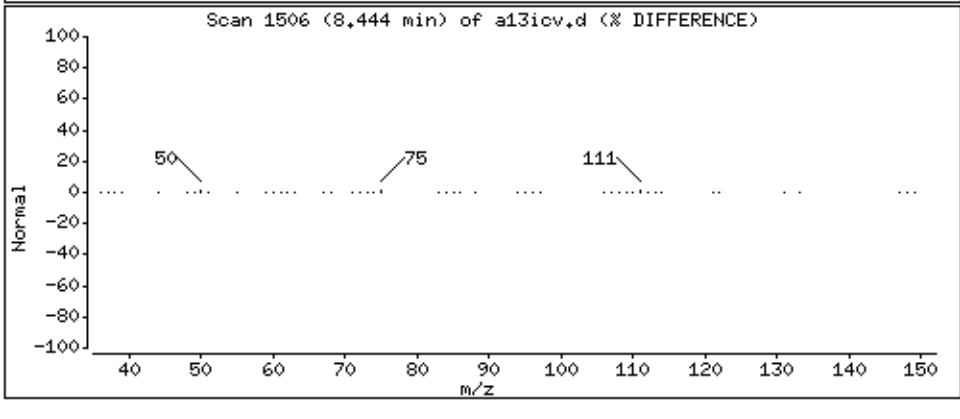
83 1,3-Dichlorobenzene

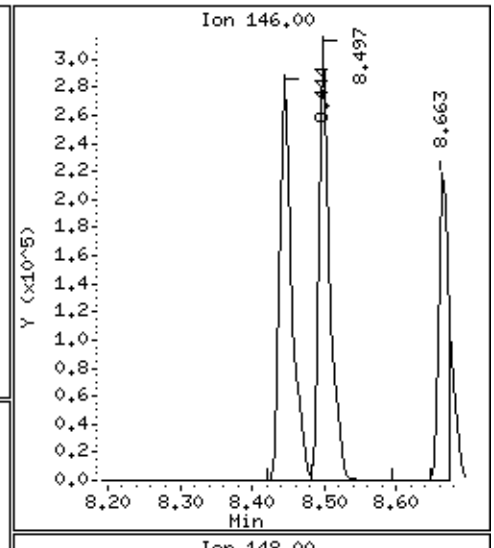
Concentration: 41.2 ppb

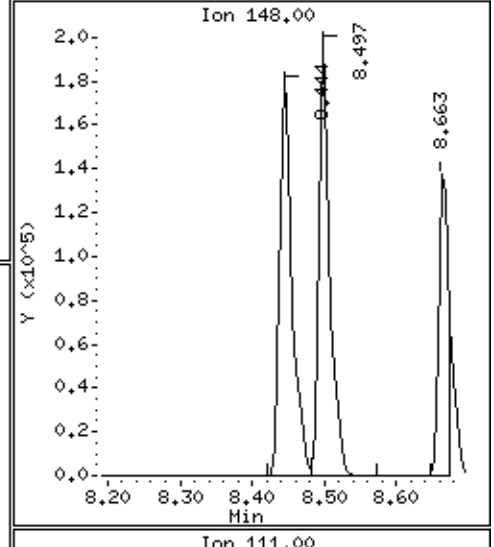


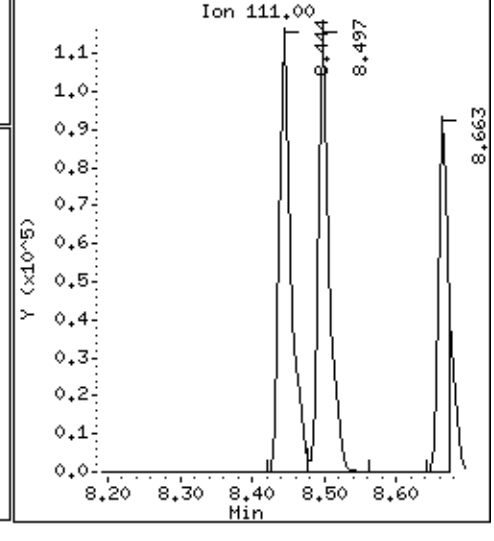












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

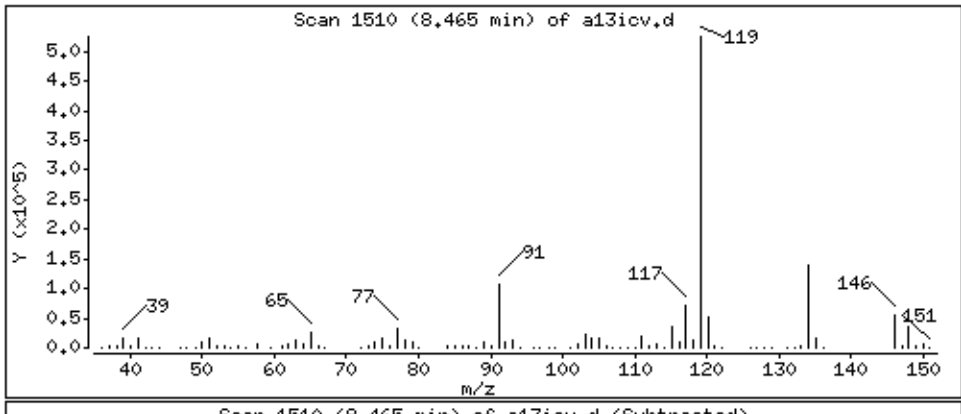
Operator: ala

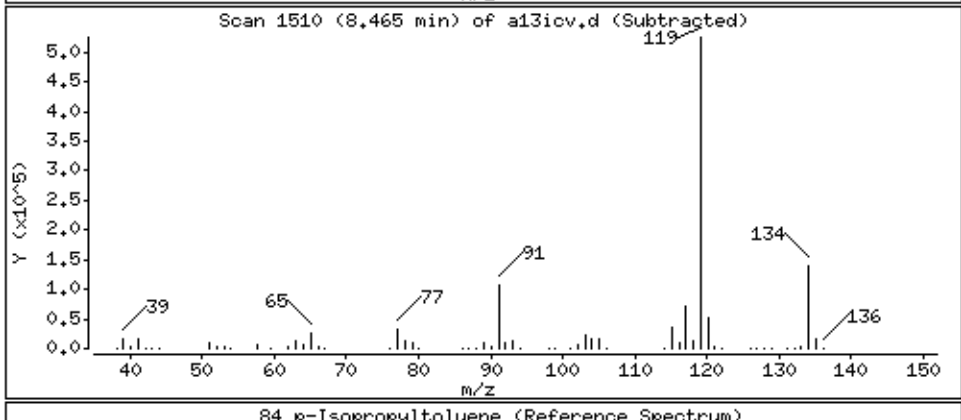
Column phase: DB-624

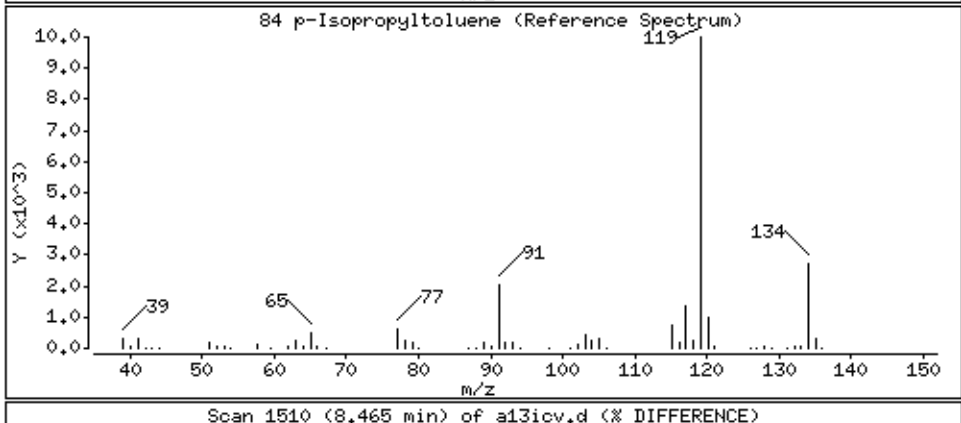
Column diameter: 0.18

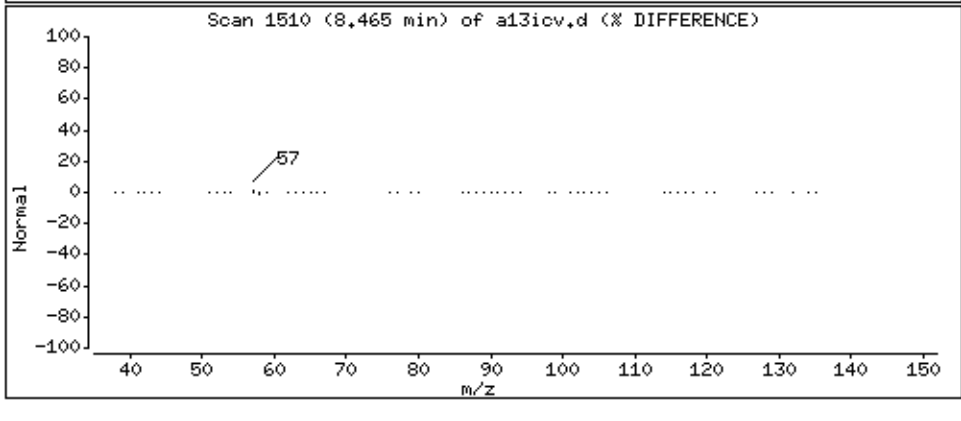
84 p-Isopropyltoluene

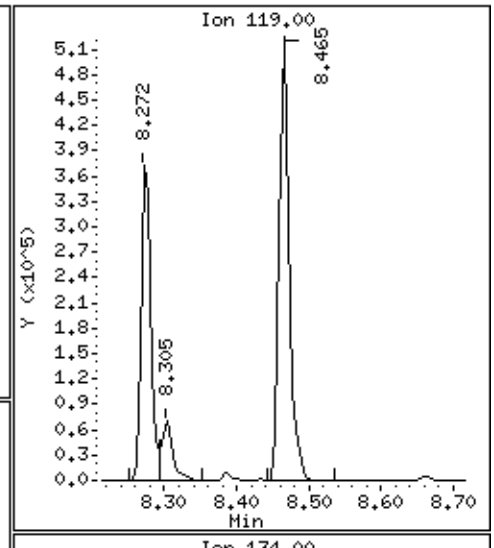
Concentration: 36.6 ppb

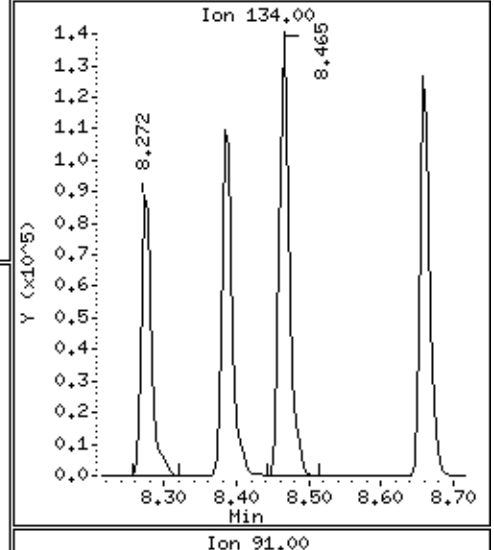


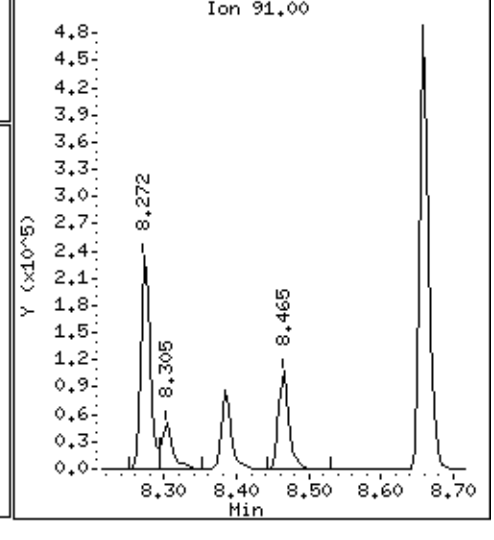












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

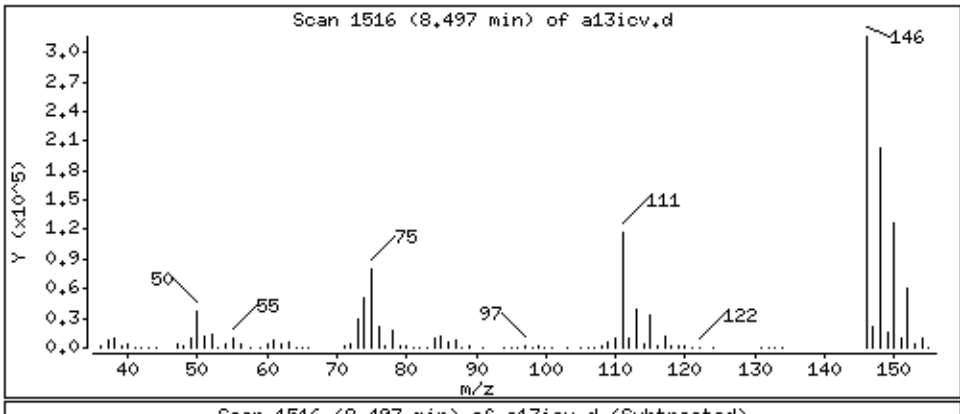
Operator: ala

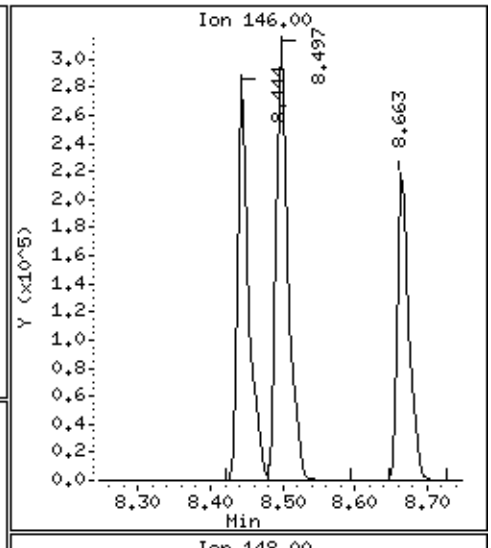
Column phase: DB-624

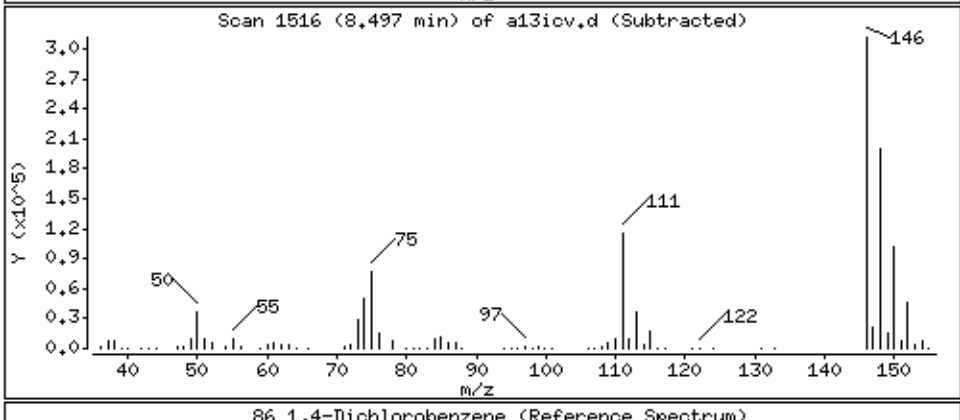
Column diameter: 0.18

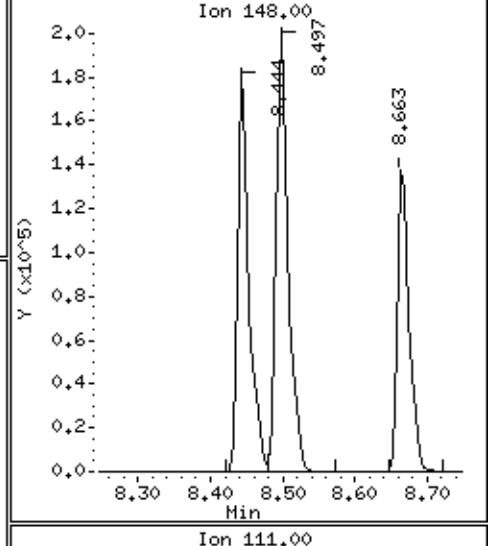
86 1,4-Dichlorobenzene

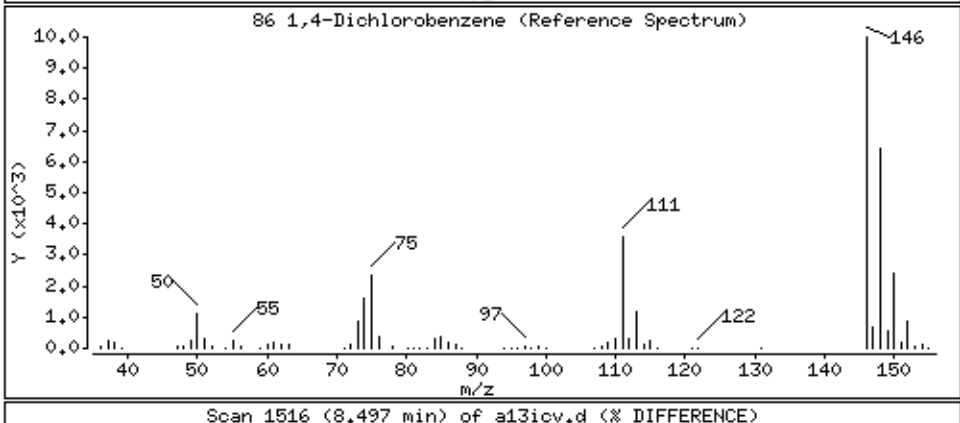
Concentration: 41.5 ppb

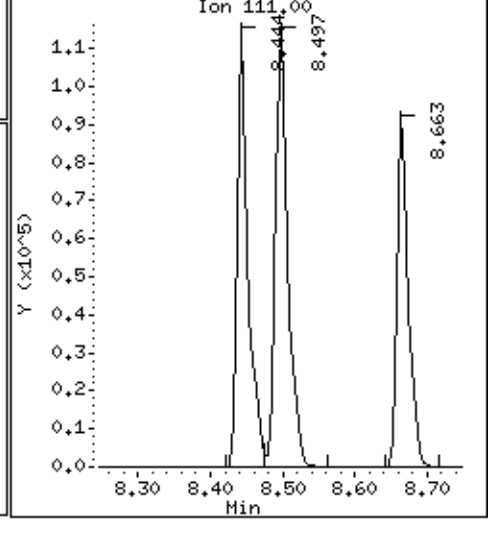


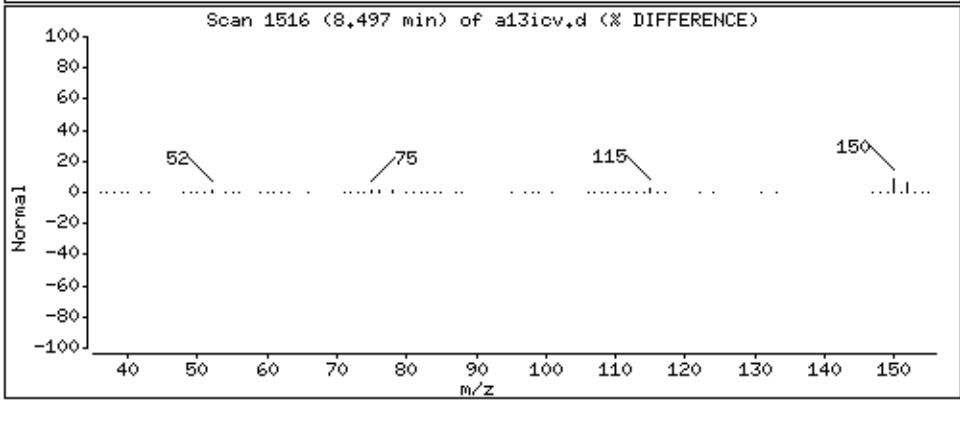












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

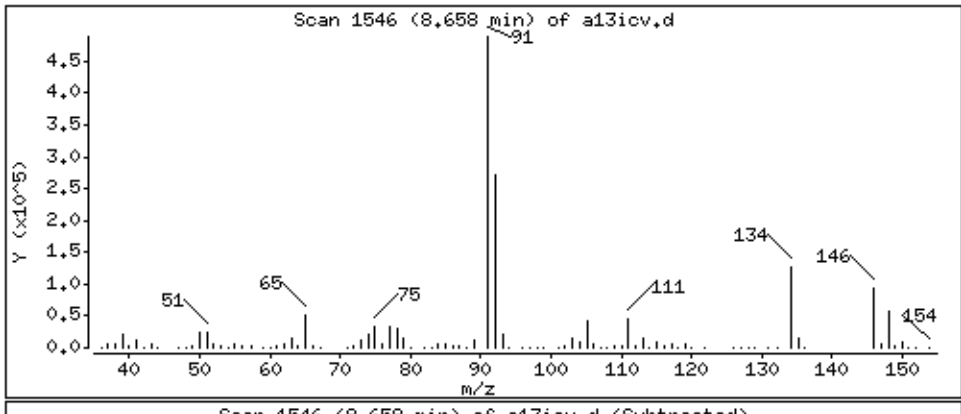
Operator: ala

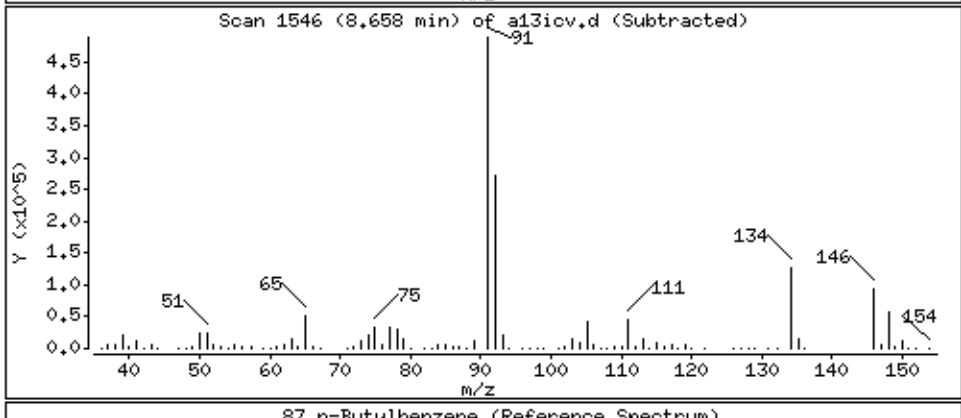
Column phase: DB-624

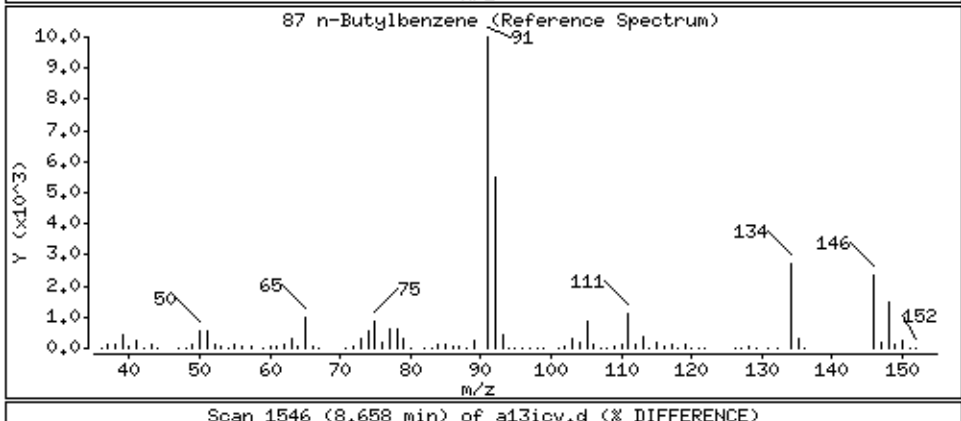
Column diameter: 0.18

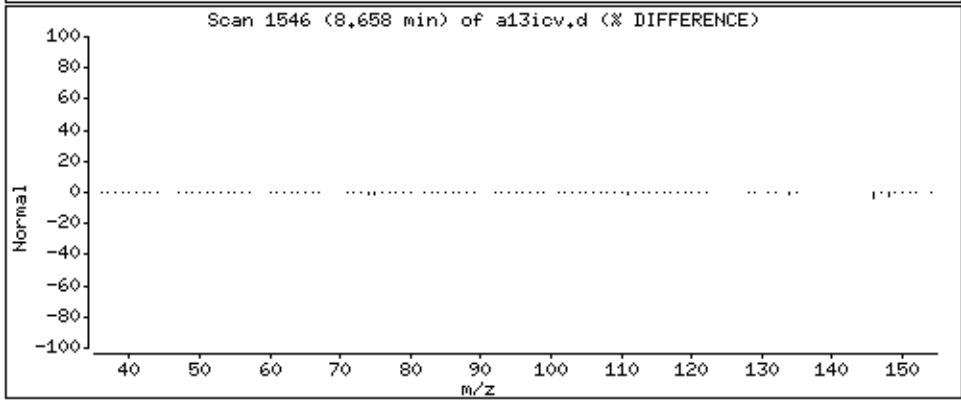
87 n-Butylbenzene

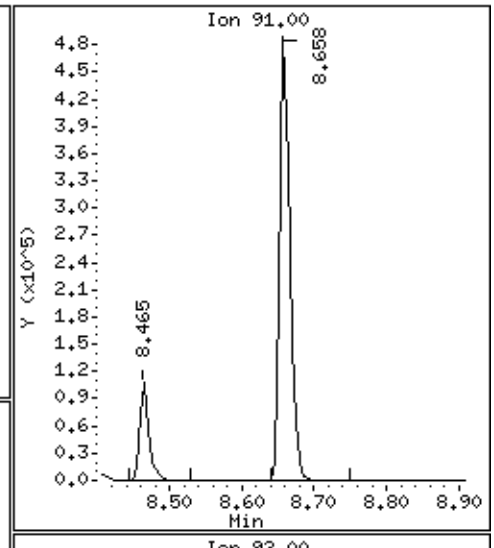
Concentration: 39.4 ppb

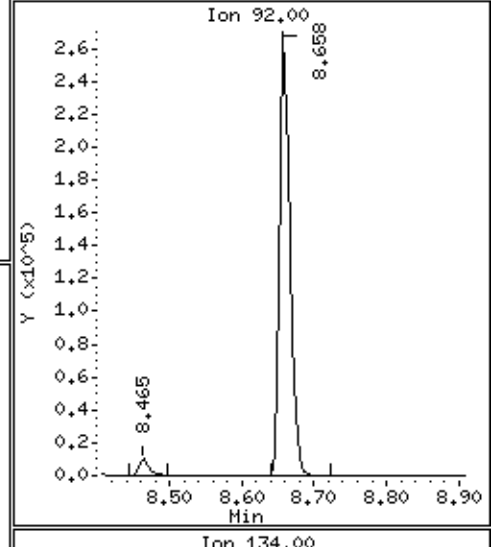


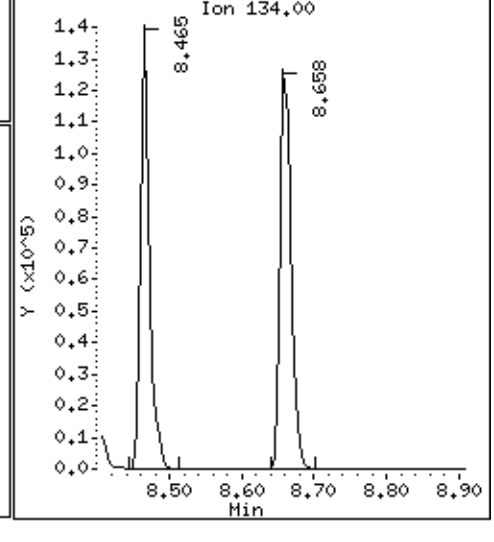












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

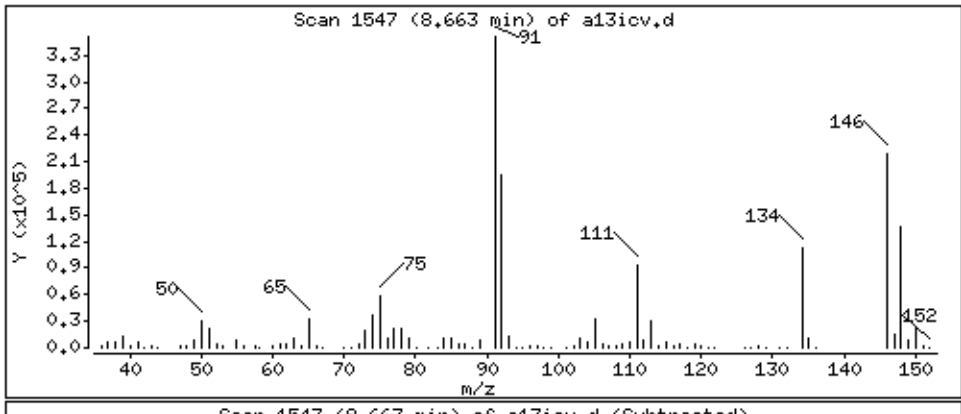
Operator: ala

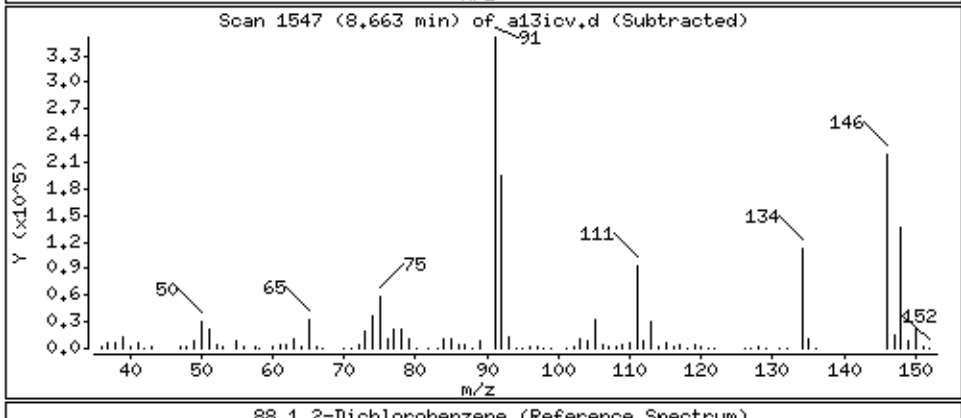
Column phase: DB-624

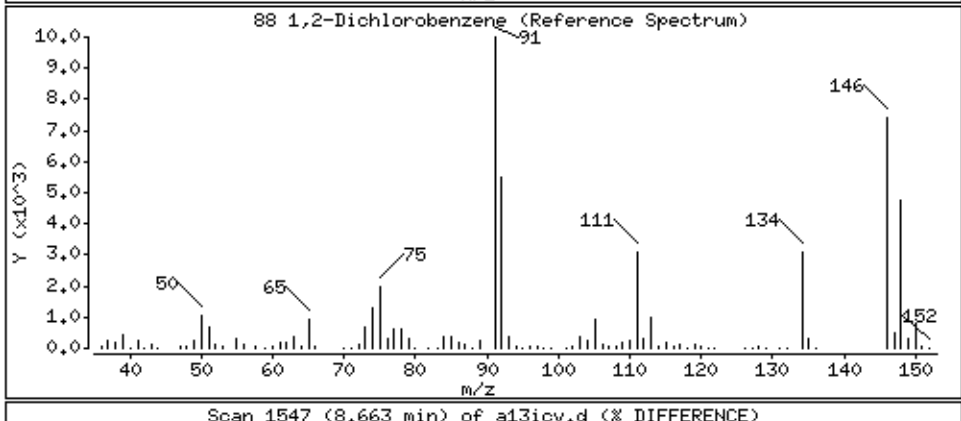
Column diameter: 0.18

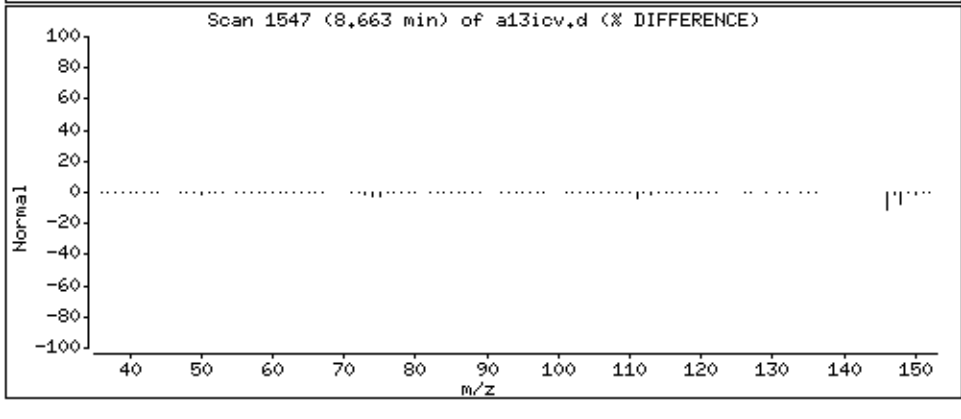
88 1,2-Dichlorobenzene

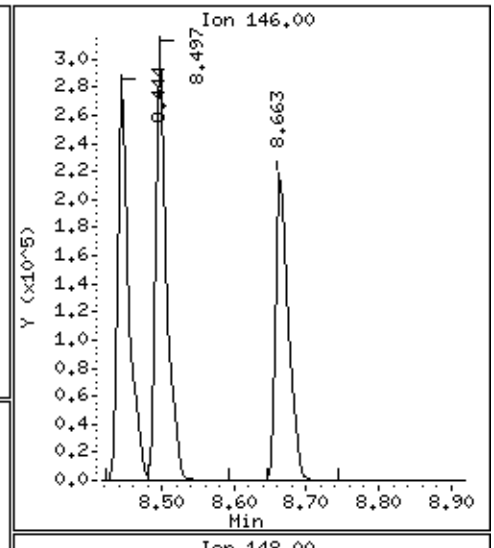
Concentration: 43.0 ppb

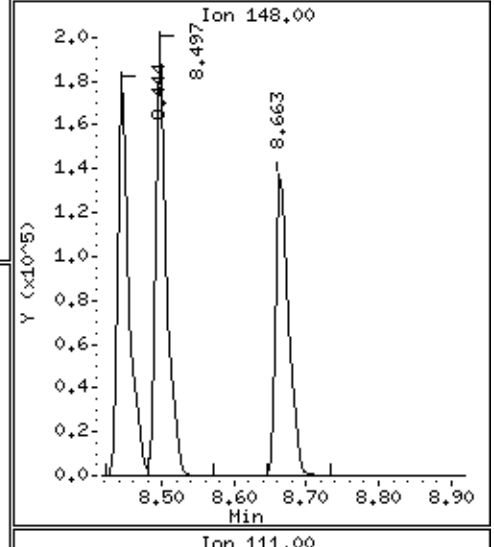


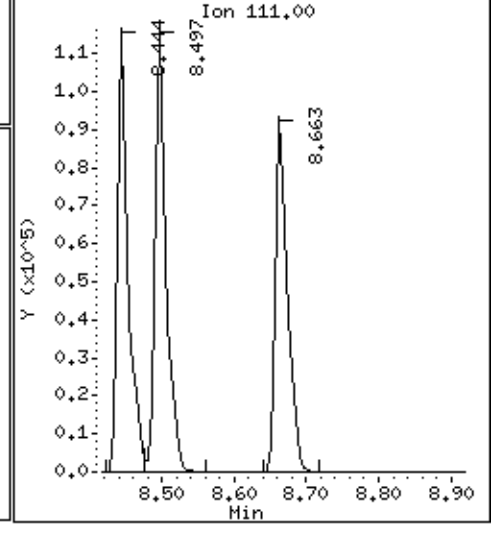












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

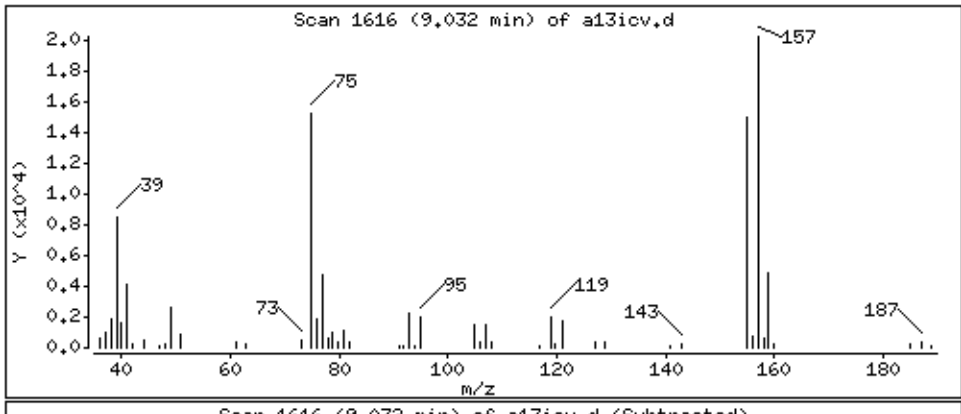
Operator: ala

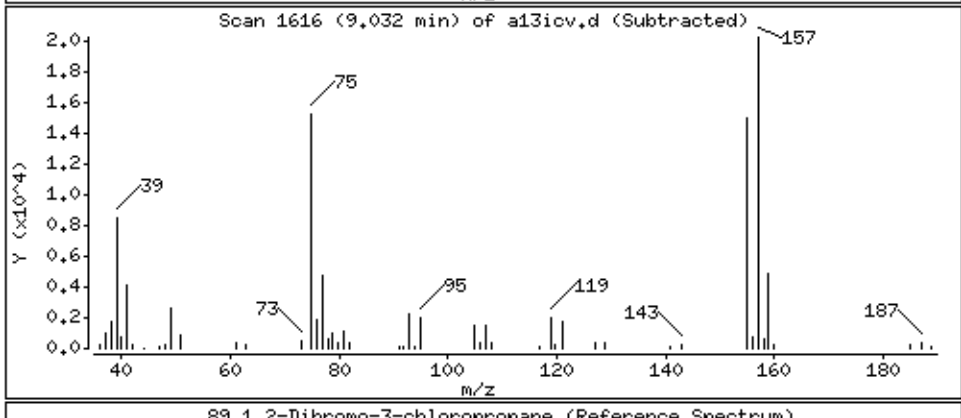
Column phase: DB-624

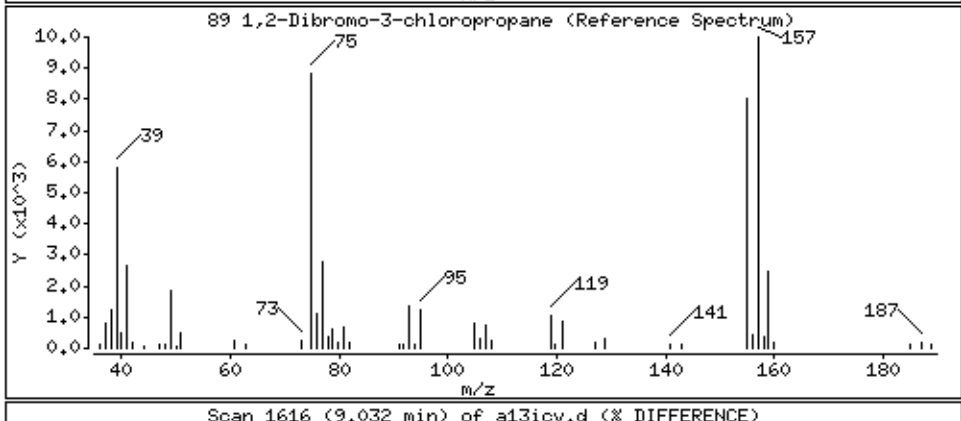
Column diameter: 0.18

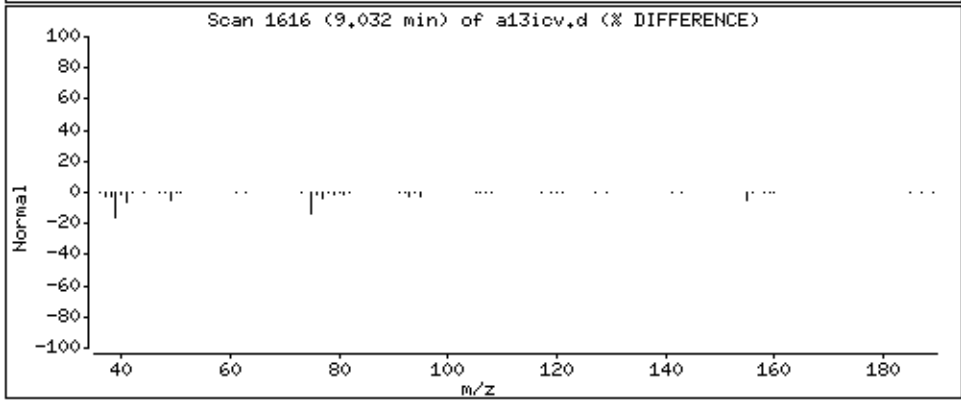
89 1,2-Dibromo-3-chloropropane

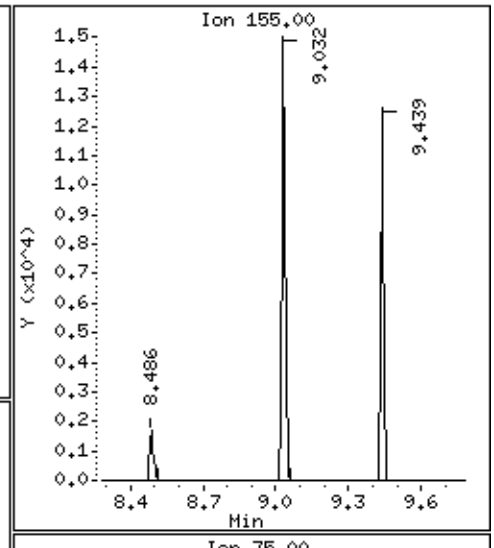
Concentration: 37.8 ppb

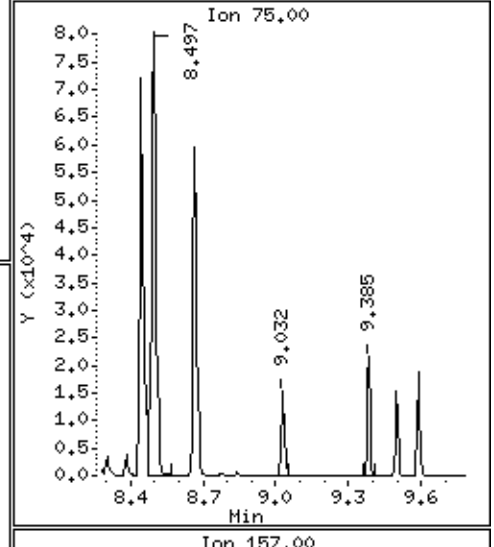


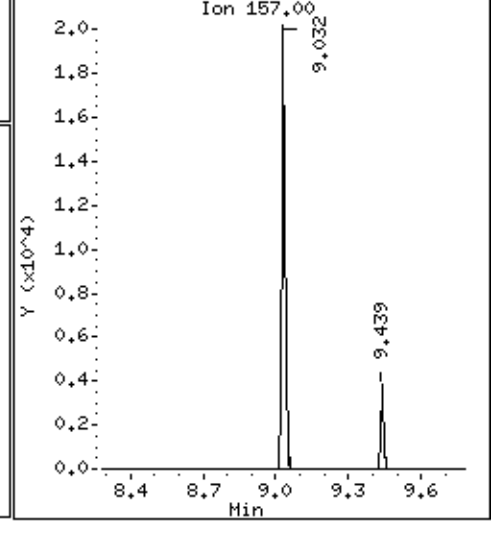












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

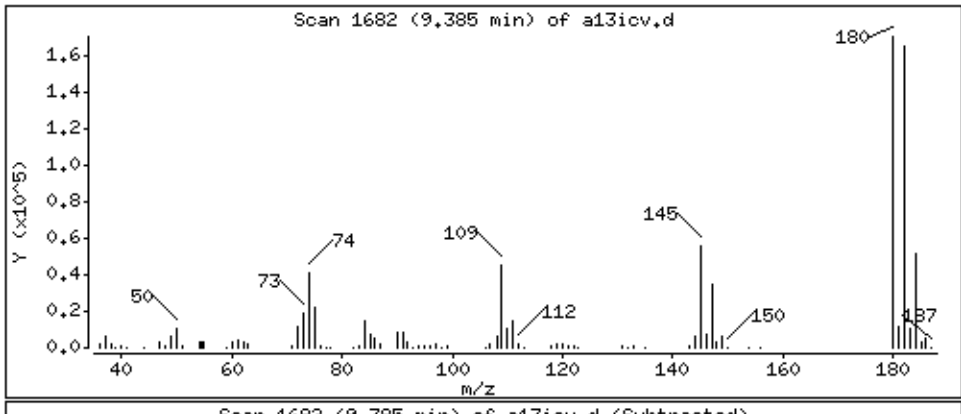
Operator: ala

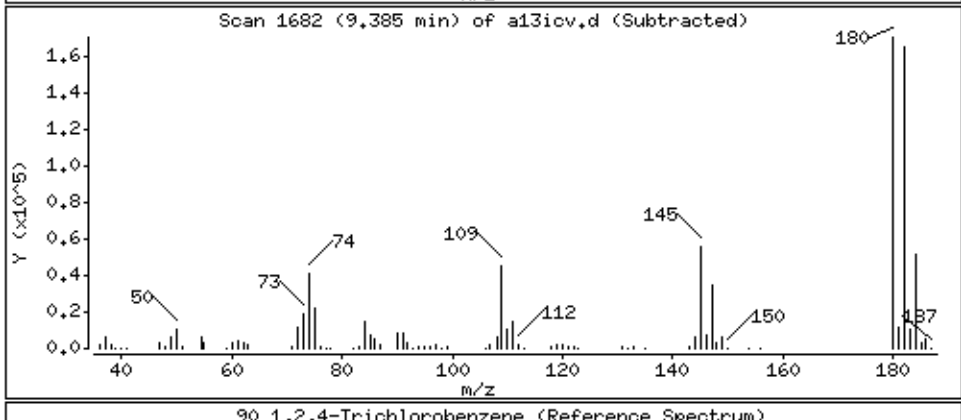
Column phase: DB-624

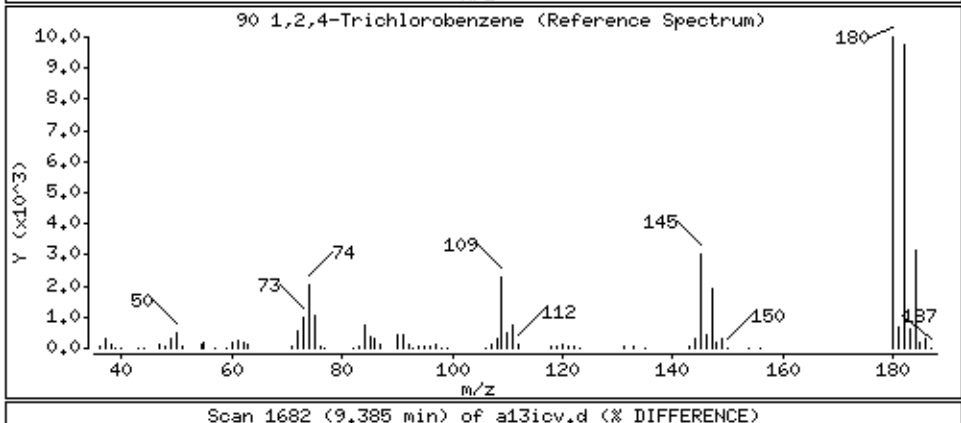
Column diameter: 0.18

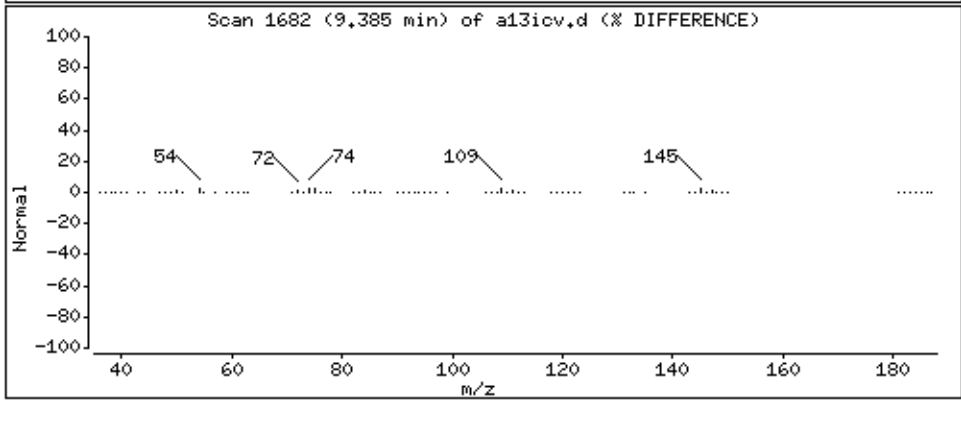
90 1,2,4-Trichlorobenzene

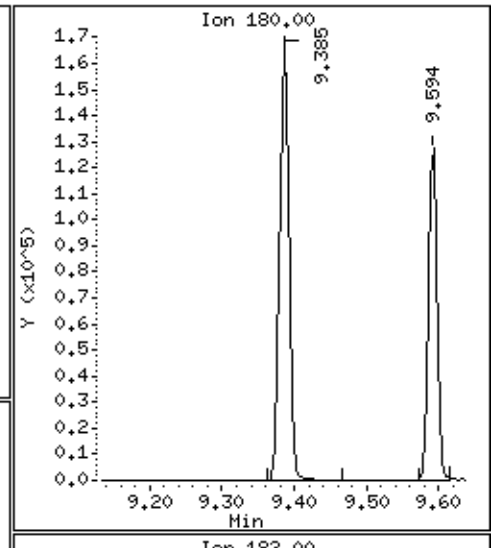
Concentration: 46.0 ppb

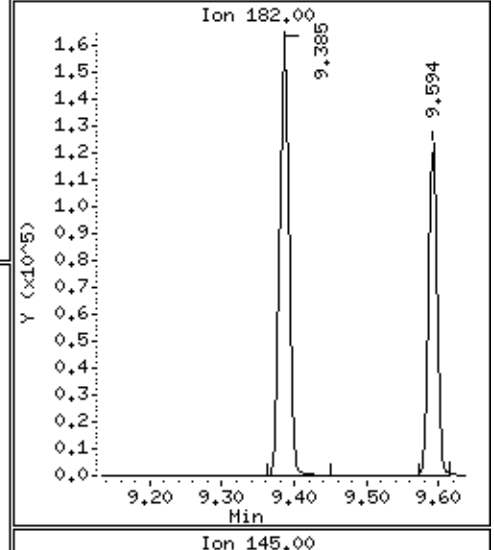


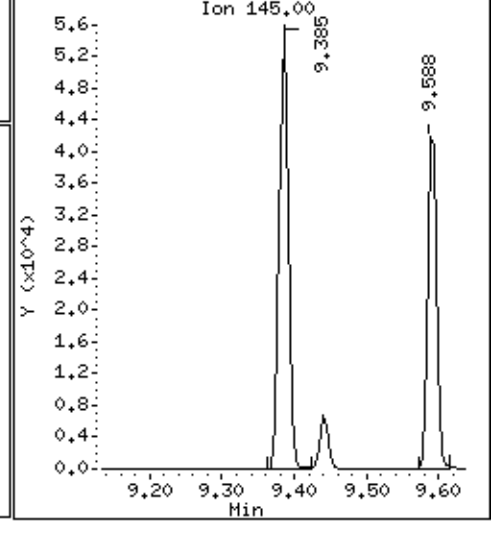












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

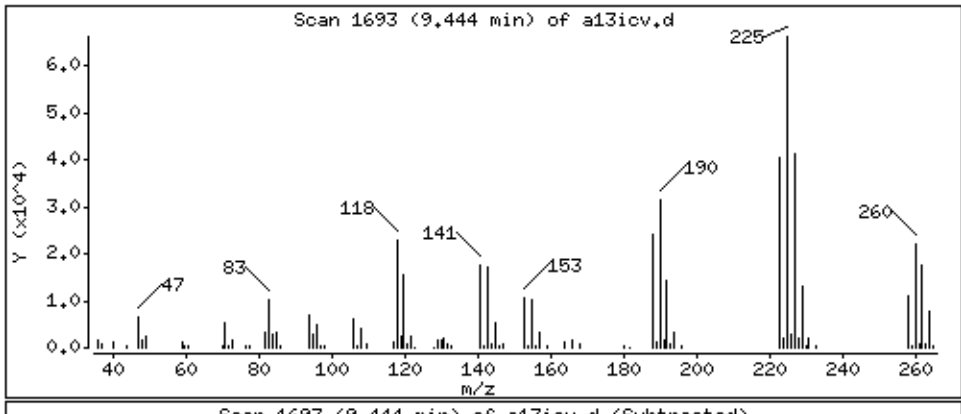
Operator: ala

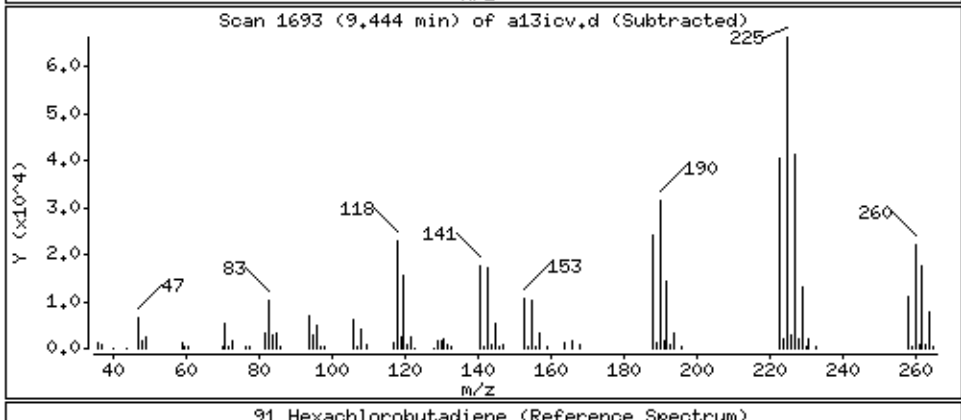
Column phase: DB-624

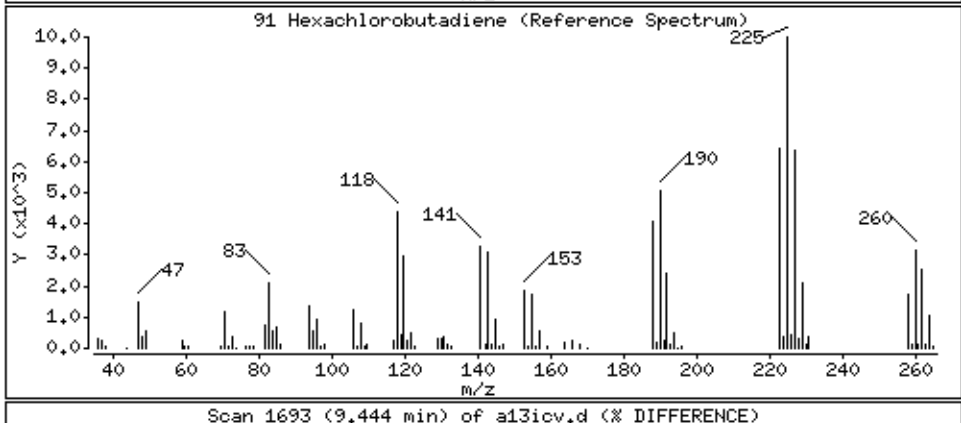
Column diameter: 0.18

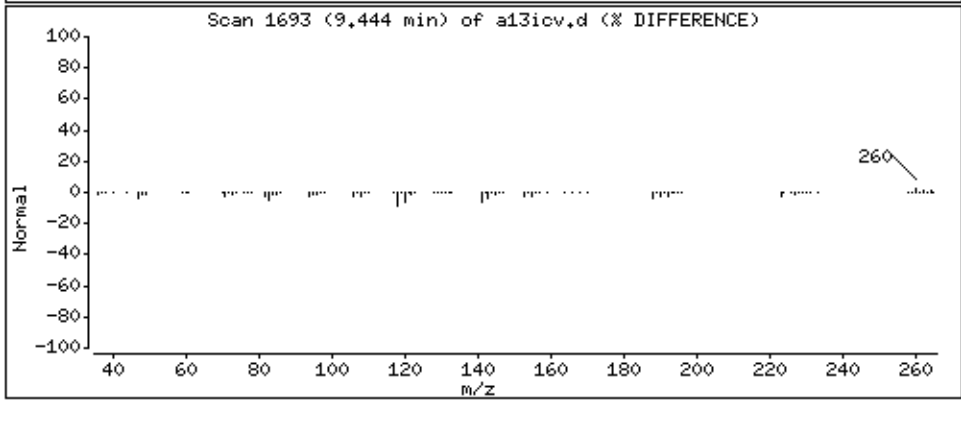
91 Hexachlorobutadiene

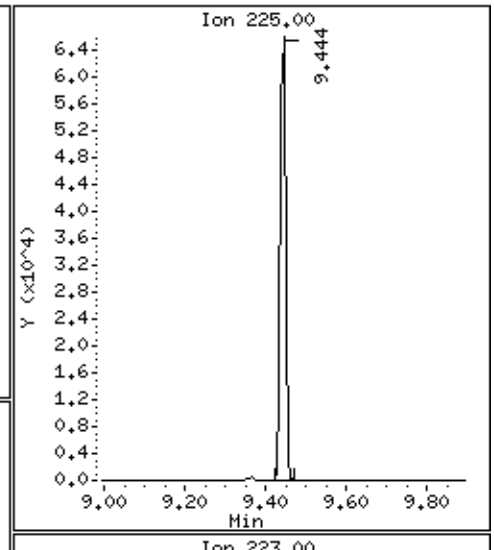
Concentration: 34.4 ppb

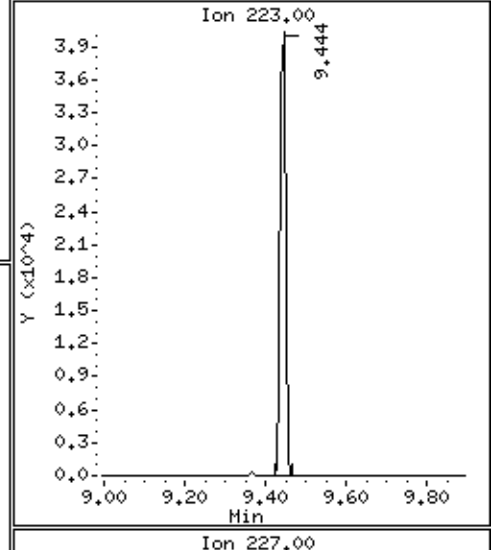


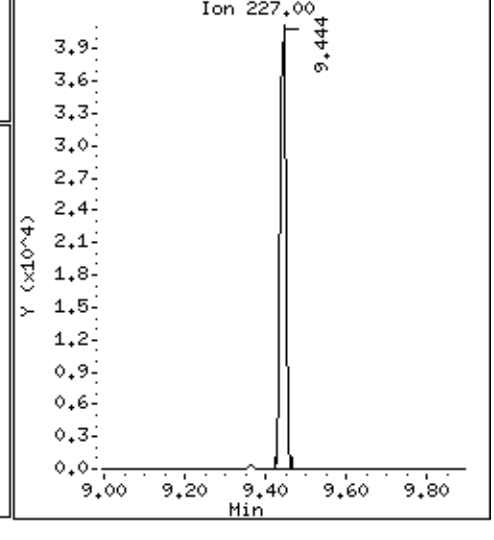












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

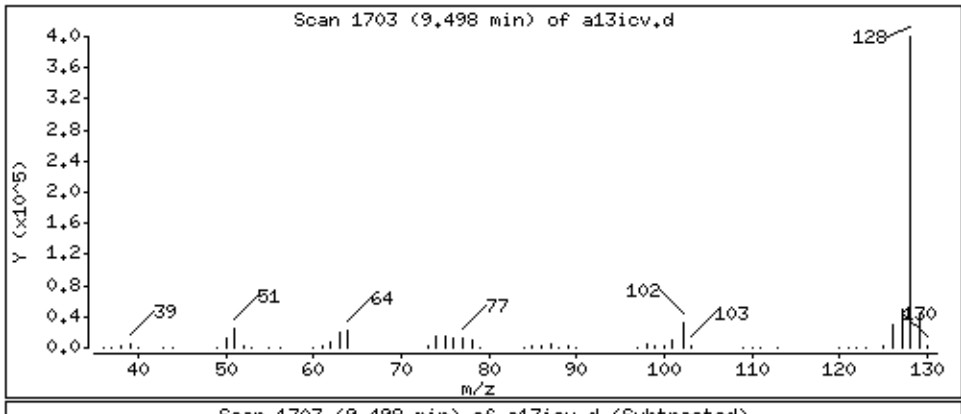
Operator: ala

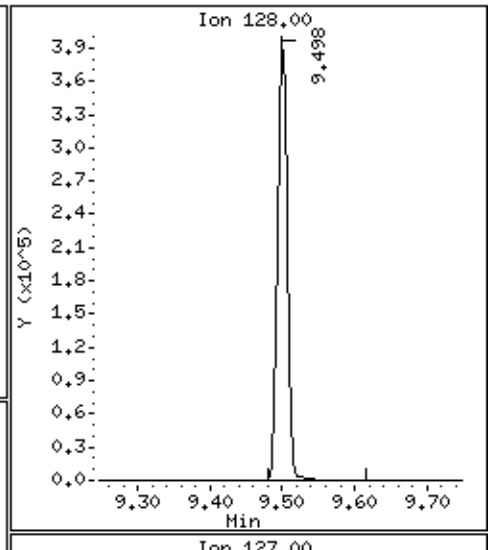
Column phase: DB-624

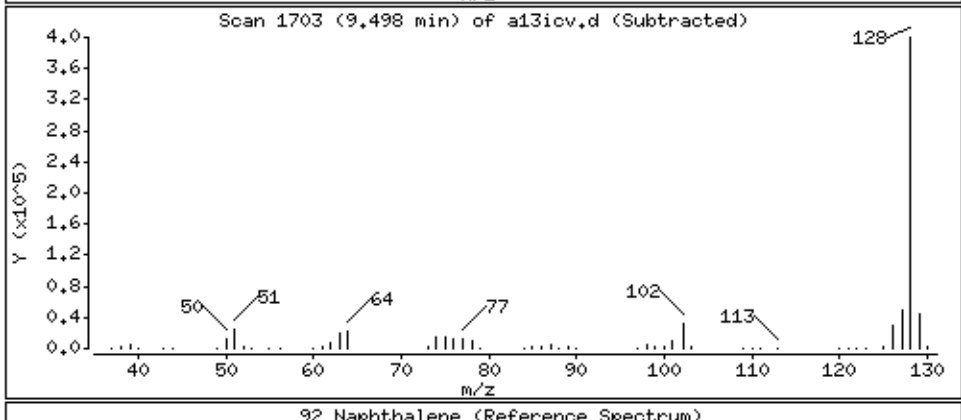
Column diameter: 0.18

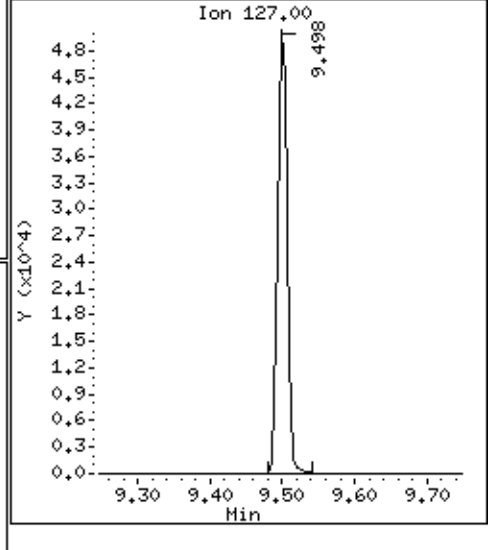
92 Naphthalene

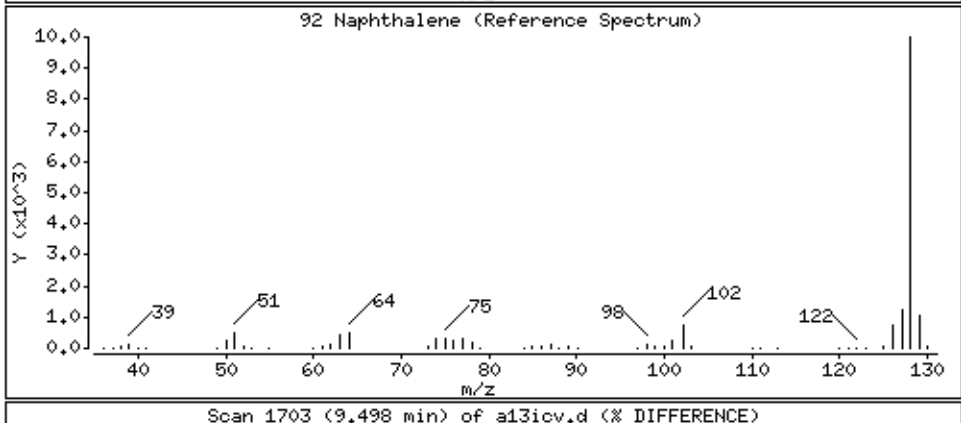
Concentration: 46.6 ppb

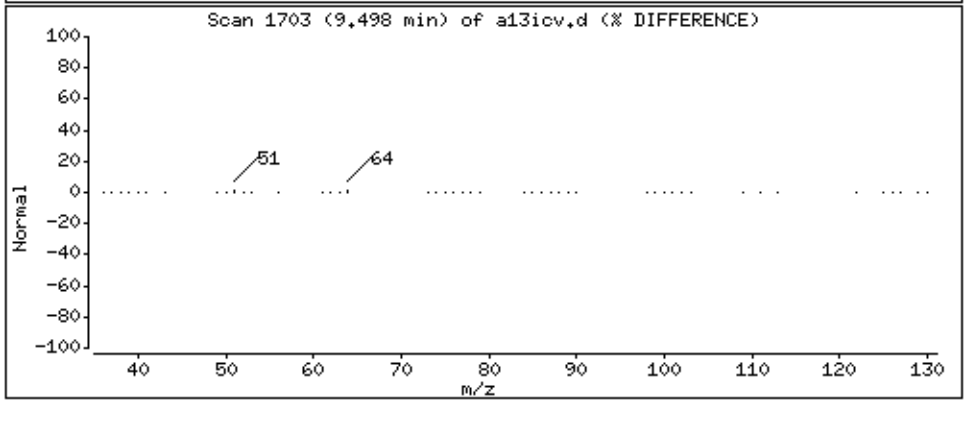












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

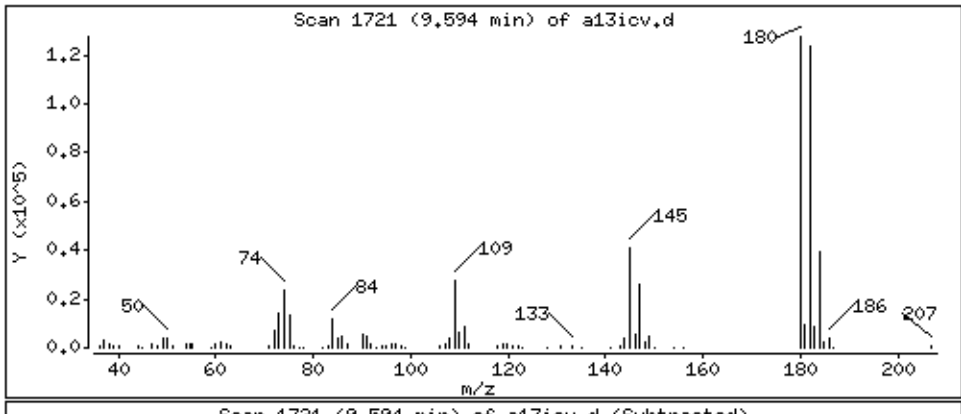
Operator: ala

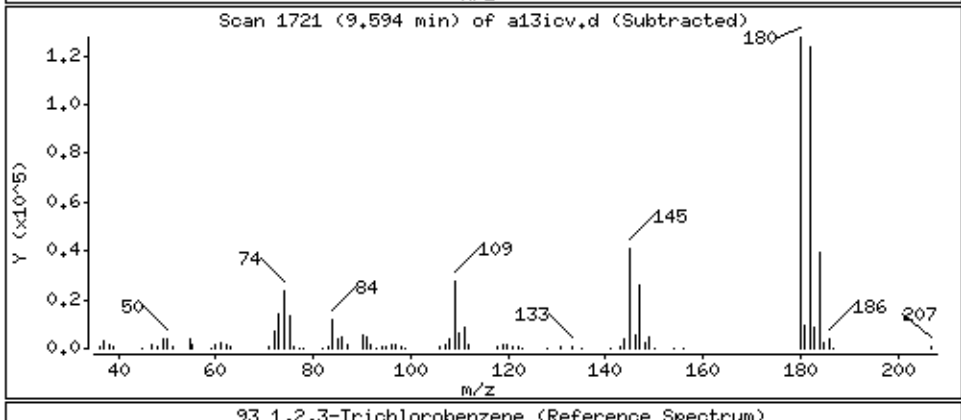
Column phase: DB-624

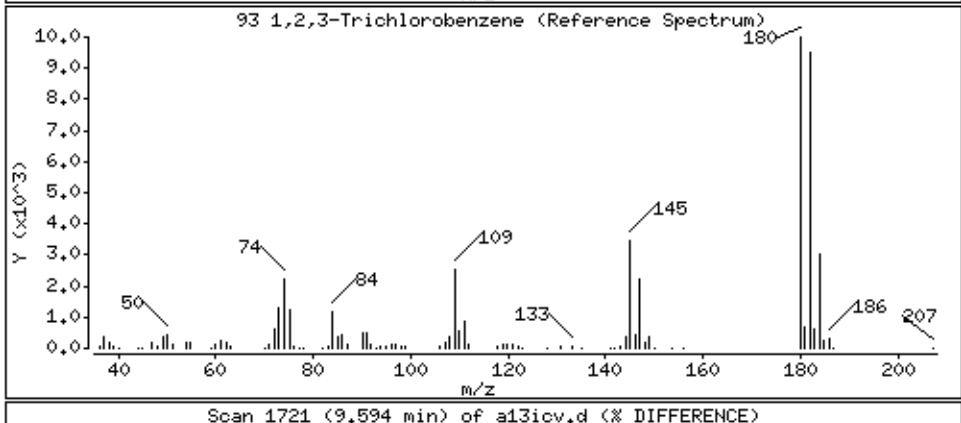
Column diameter: 0.18

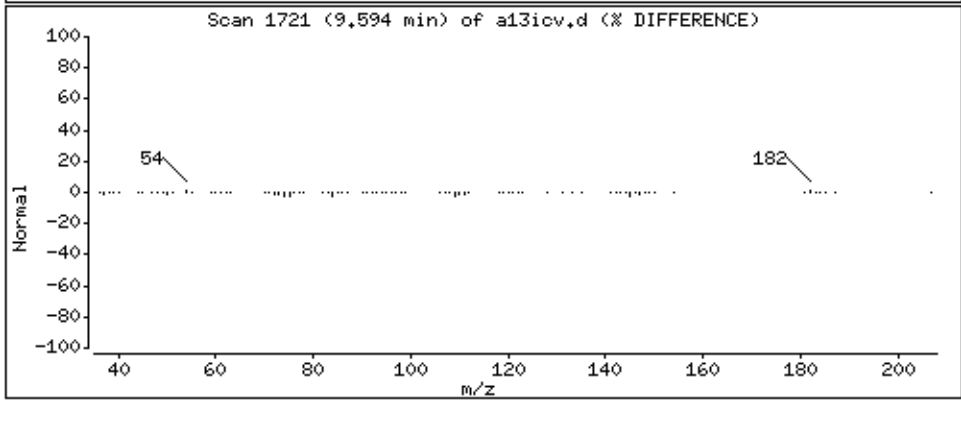
93 1,2,3-Trichlorobenzene

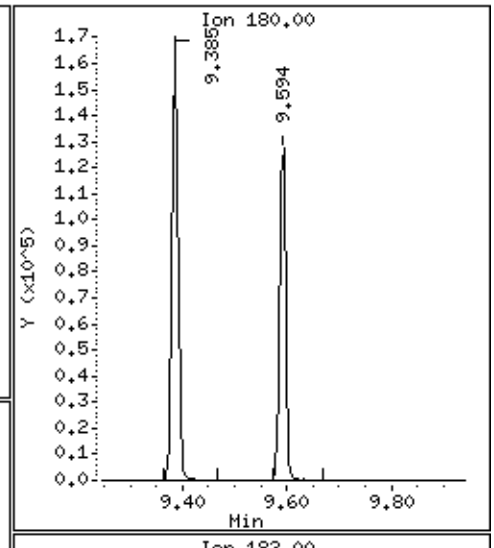
Concentration: 46.0 ppb

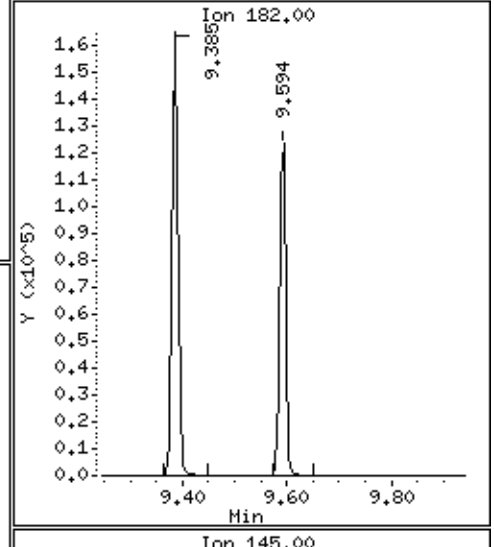


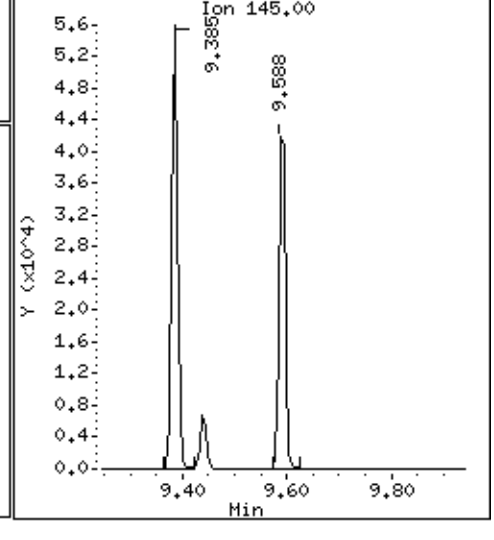












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

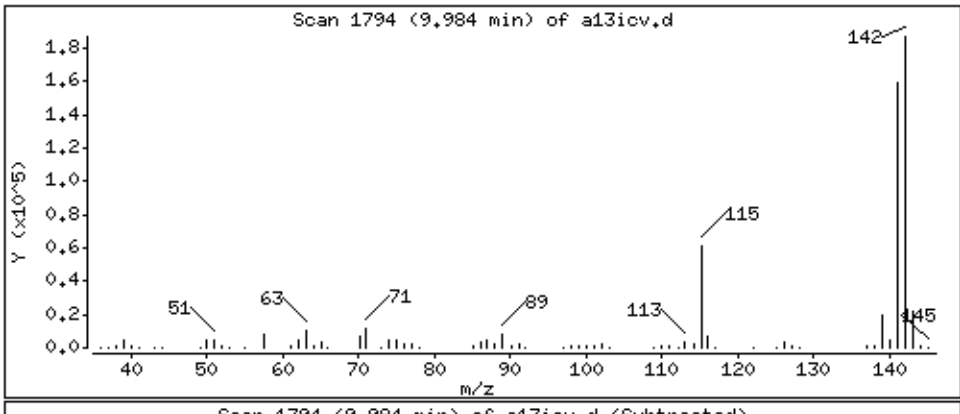
Operator: ala

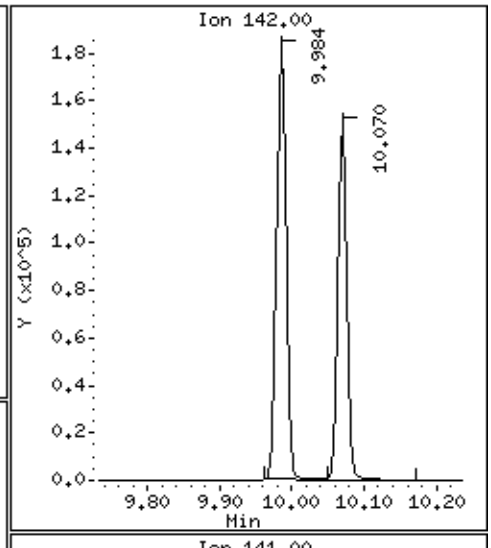
Column phase: DB-624

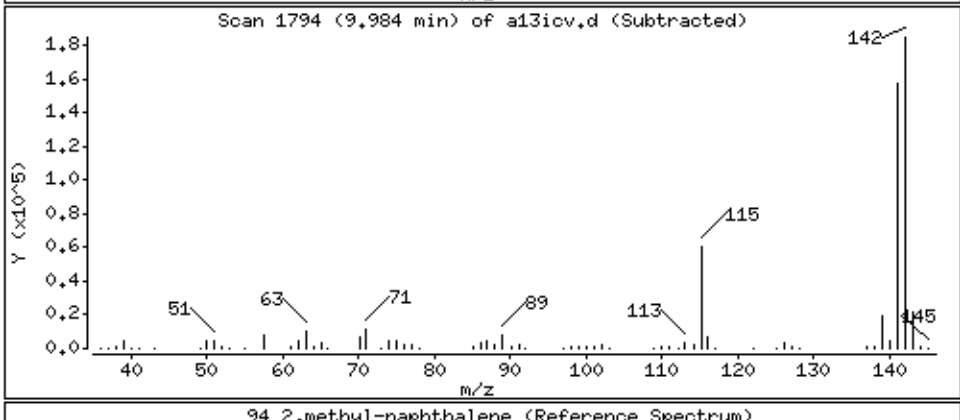
Column diameter: 0.18

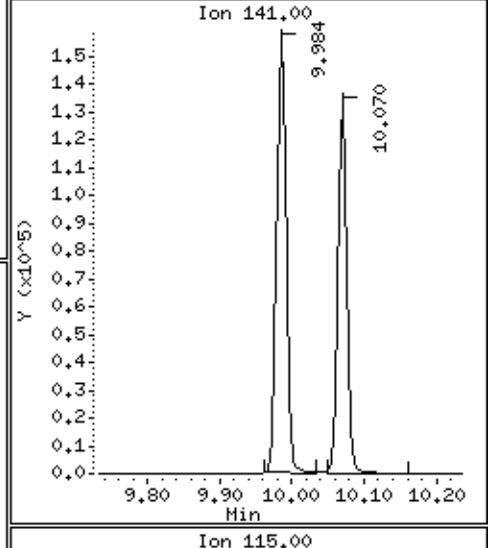
94 2,methyl-naphthalene

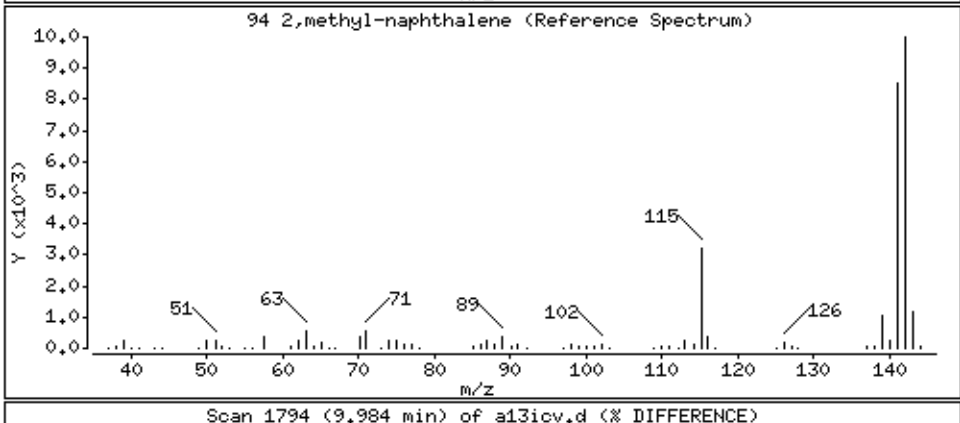
Concentration: 53.3 ppb

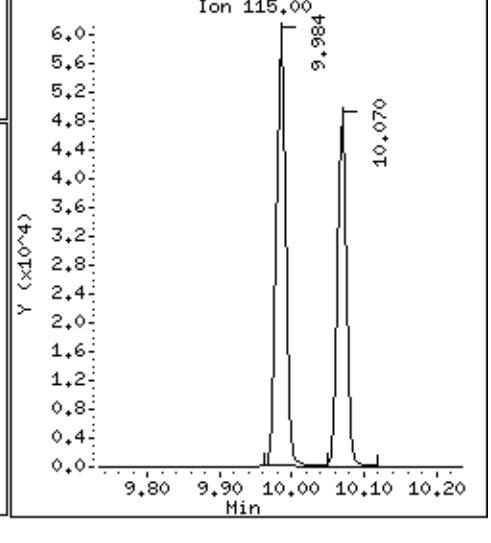


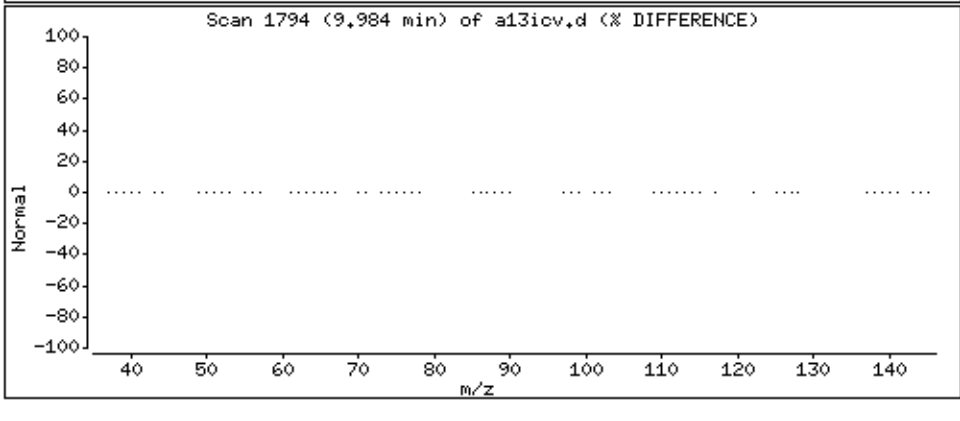












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a13icv.d

Date : 02-JUL-2014 21:40

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71824:0

Purge Volume: 5.0

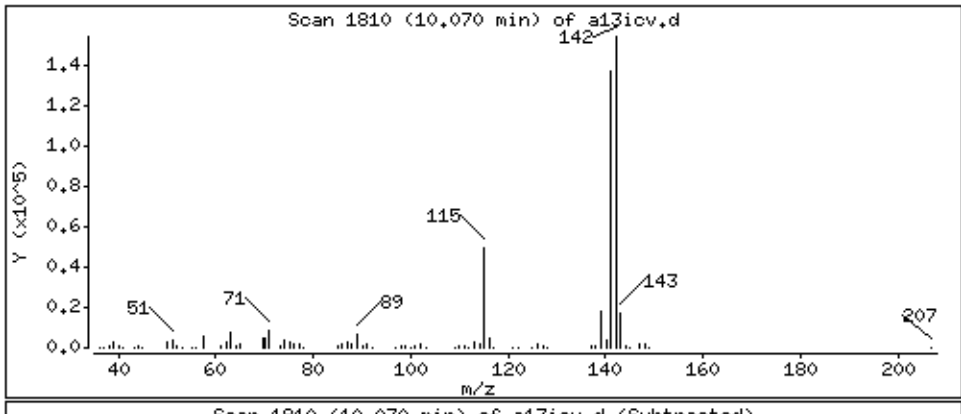
Operator: ala

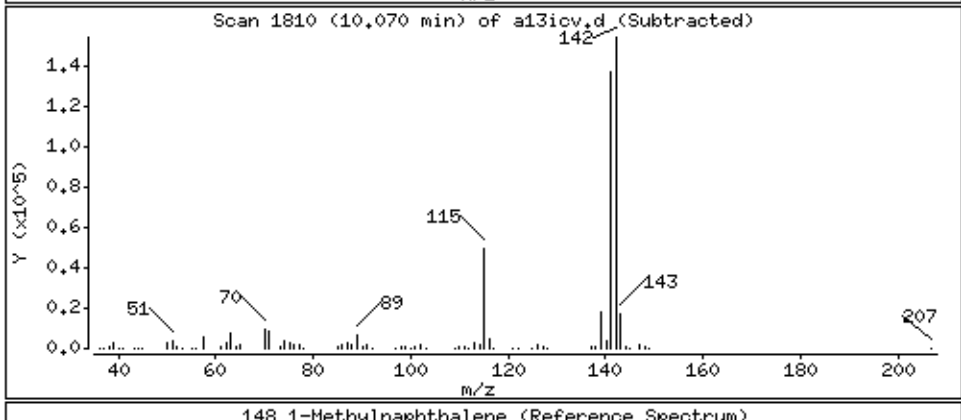
Column phase: DB-624

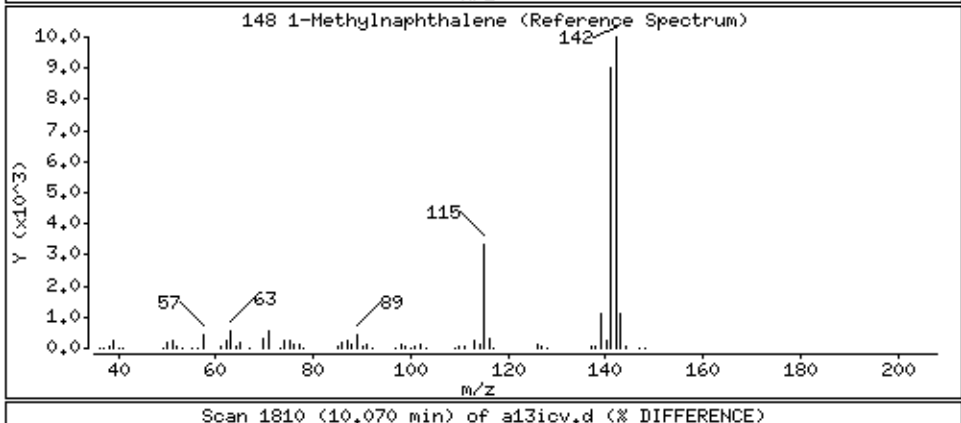
Column diameter: 0.18

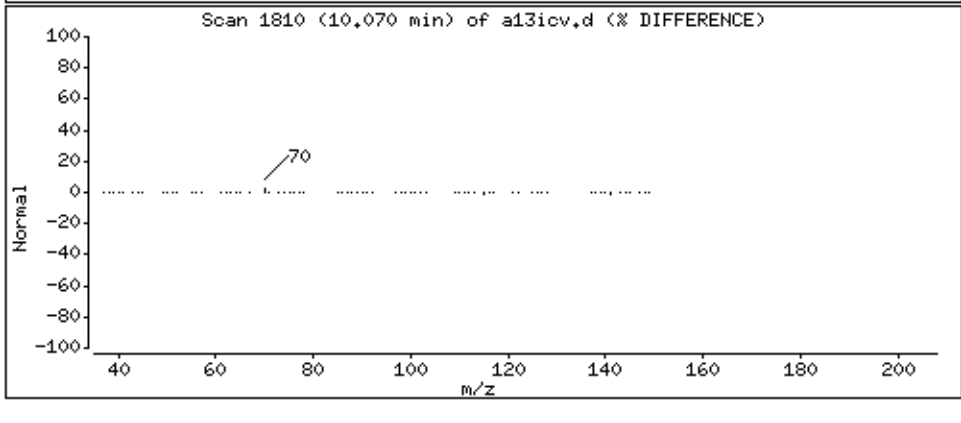
148 1-Methylnaphthalene

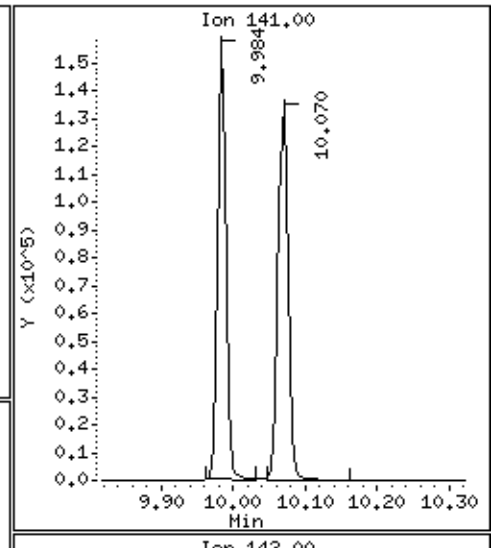
Concentration: 58.2 ppb

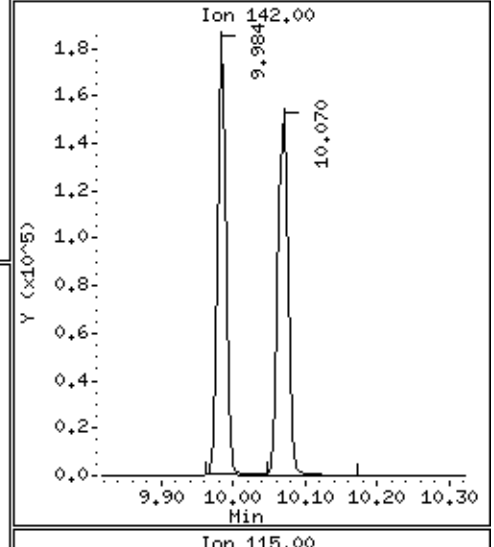


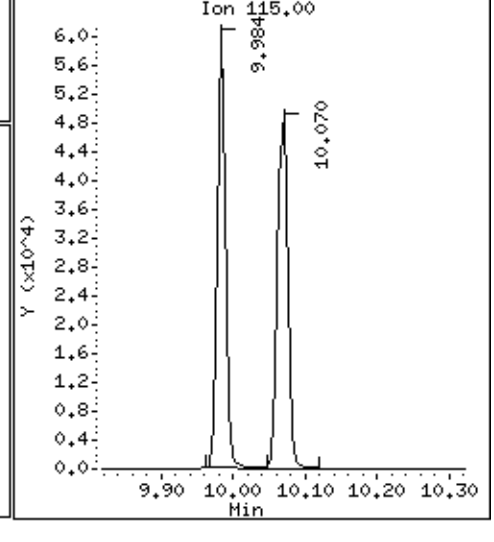












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/a13icv.d
Injection Date: 02-JUL-2014 21:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-ICV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\c01ccv.d
Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
Inj Date : 03-JUL-2014 03:07
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-ccv,71825:0
Misc Info : 66433
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 17:34 Cal File: a04.d
Als bottle: 24 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

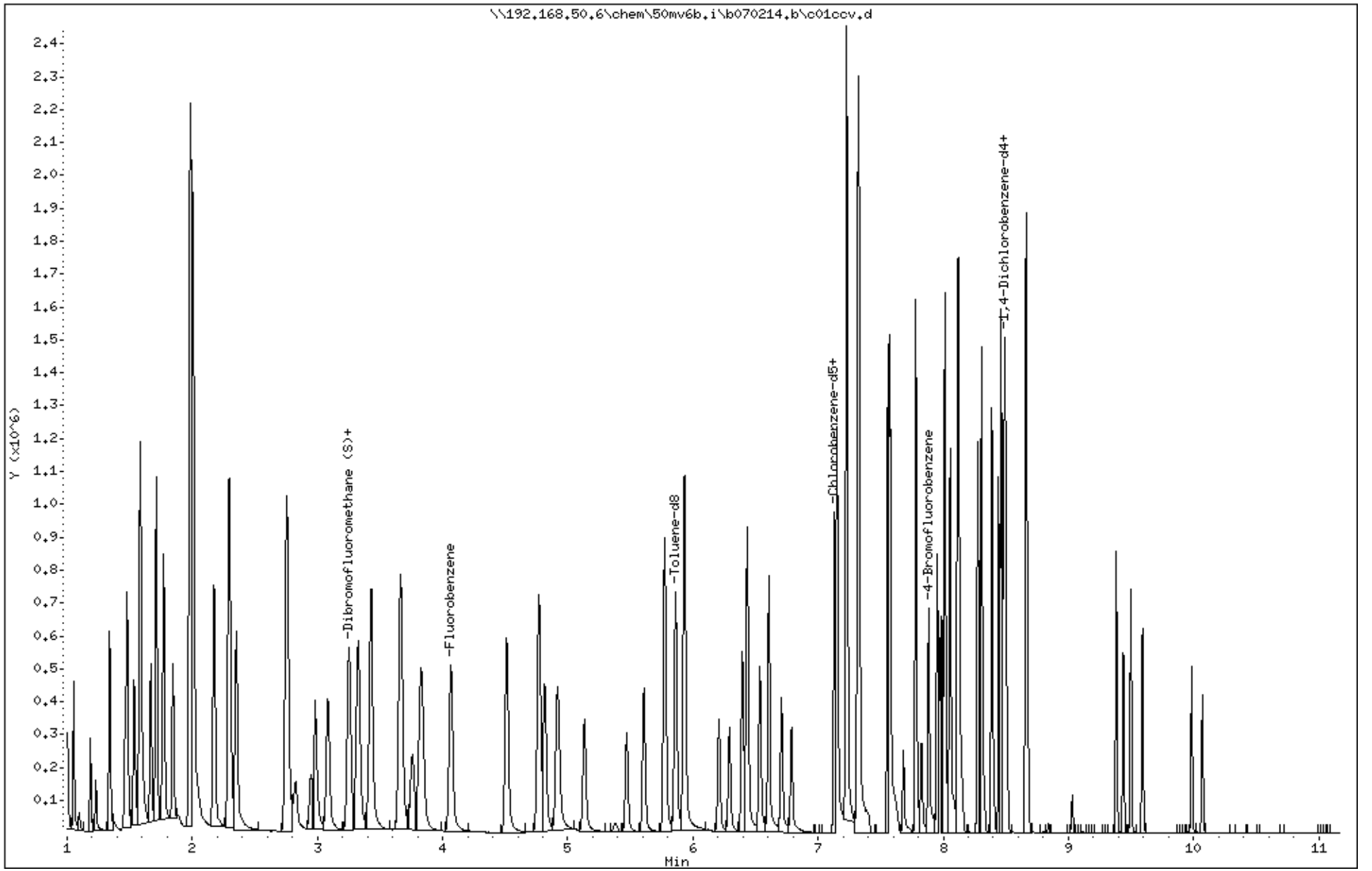
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	255544	50.0000	49.6
2	Chloromethane	50	1.001	1.001	(0.246)	143370	50.0000	46.8
3	Vinyl Chloride	62	1.050	1.050	(0.258)	200577	50.0000	52.1
4	Bromomethane	94	1.189	1.189	(0.292)	87744	50.0000	28.1
5	Chloroethane	64	1.231	1.232	(0.303)	62560	50.0000	38.4
6	Trichlorofluoromethane	101	1.338	1.339	(0.329)	288975	50.0000	49.3
8	Diethyl ether	74	1.462	1.462	(0.359)	83045	50.0000	47.3
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	200644	50.0000	43.5
9	Acrolein	56	1.531	1.536	(0.377)	268407	1000.00	1000
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	188282	50.0000	44.9
11	1,1-Dichloroethene	96	1.585	1.585	(0.390)	167336	50.0000	53.0
12	Acetone	43	1.601	1.601	(0.394)	147554	250.000	250
13	Iodomethane	142	1.670	1.670	(0.411)	369305	100.000	83.2
14	Carbon Disulfide	76	1.713	1.713	(0.421)	870485	100.000	96.4
16	Methyl Acetate	43	1.756	1.762	(0.432)	72746	50.0000	49.8
143	Acetonitrile	39	1.772	1.772	(0.436)	209218	50.0000	46.6
15	allyl chloride	41	1.772	1.772	(0.436)	299010	100.000	98.1
17	Methylene Chloride	84	1.847	1.847	(0.454)	188938	50.0000	55.1
18	tert-Butyl Alcohol	59	1.889	1.895	(0.465)	24243	100.000	78.4
19	Acrylonitrile	53	1.980	1.980	(0.487)	1314250	1000.00	871
20	Methyl-tert-butyl ether	73	1.996	2.002	(0.491)	885801	100.000	100
21	1,2-Dichloroethene (trans)	96	2.007	2.013	(0.494)	233365	50.0000	45.9
22	n-Hexane	57	2.173	2.178	(0.534)	304053	50.0000	49.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.296	(0.563)	907287	200.000	192
	23 1,1-Dichloroethane	63	2.301	2.307	(0.566)	351472	50.0000	45.3
	147 chloroprene	53	2.350	2.355	(0.578)	261440	50.0000	48.9
	28 2-Butanone	43	2.745	2.751	(0.675)	343781	250.000	232
	26 1,2-Dichloroethene (cis)	96	2.756	2.762	(0.678)	249645	50.0000	45.2
	27 2,2-Dichloropropane	77	2.761	2.767	(0.679)	165861	50.0000	45.4
	149 Propionitrile	54	2.810	2.815	(0.691)	28304	50.0000	48.5
	144 Methacrylonitrile	41	2.943	2.949	(0.724)	106705	50.0000	61.0
	30 Bromochloromethane	49	2.981	2.986	(0.733)	143040	50.0000	45.2
	31 Tetrahydrofuran	42	2.997	3.008	(0.737)	42559	50.0000	49.7
	32 Chloroform	83	3.082	3.088	(0.758)	353093	50.0000	44.9
$	33 Dibromofluoromethane (S)	113	3.254	3.259	(0.800)	146706	50.0000	47.8
	34 1,1,1-Trichloroethane	97	3.248	3.259	(0.799)	270360	50.0000	47.8
	35 Cyclohexane	56	3.323	3.329	(0.817)	316647	50.0000	47.9
	36 Carbon Tetrachloride	117	3.420	3.430	(0.841)	218900	50.0000	50.1
	37 1,1-Dichloropropene	75	3.430	3.436	(0.843)	287207	50.0000	50.9
	39 Benzene	78	3.666	3.671	(0.901)	761419	50.0000	47.8
	40 1,2-Dichloroethane	62	3.757	3.762	(0.924)	226533	50.0000	45.8
	38 Isobutyl alcohol	43	3.826	3.837	(0.941)	100751	50.0000	44.7
	141 2,2,4-Trimethylpentane	57	3.826	3.837	(0.941)	671005	50.0000	48.6
*	41 Fluorobenzene	96	4.067	4.072	(1.000)	590278	50.0000	
	42 Trichloroethene	95	4.511	4.516	(1.109)	217068	50.0000	49.5
	43 Methylcyclohexane	55	4.768	4.773	(1.172)	239581	50.0000	50.8
	44 1,2-Dichloropropane	63	4.821	4.827	(1.185)	180842	50.0000	49.3
	45 Dibromomethane	93	4.912	4.917	(1.208)	125349	50.0000	47.8
	142 1,4-Dioxane	88	4.923	4.928	(1.210)	51639	1000.00	953
	46 Methyl methacrylate	69	4.928	4.934	(1.212)	90452	50.0000	49.8
	47 Bromodichloromethane	83	5.131	5.137	(1.262)	226583	50.0000	49.3
	48 2-Chloroethyl vinyl ether	63	5.468	5.474	(0.767)	138306	100.000	92.0
	49 cis-1,3-Dichloropropene	75	5.608	5.608	(0.786)	251929	50.0000	42.8
	50 4-Methyl-2-Pentanone	43	5.773	5.779	(0.809)	551331	250.000	252
$	51 Toluene-d8	98	5.864	5.864	(0.822)	483654	50.0000	51.8
	52 Toluene	91	5.934	5.934	(0.832)	781203	50.0000	46.8
	53 trans-1,3-Dichloropropene	75	6.212	6.212	(0.871)	178609	50.0000	39.7
	54 Ethyl Methacrylate	69	6.292	6.298	(0.882)	159685	50.0000	43.4
	55 1,1,2-Trichloroethane	83	6.394	6.399	(0.896)	140978	50.0000	54.9
	56 Tetrachloroethene	166	6.431	6.437	(0.902)	234810	50.0000	51.2
	57 1,3-Dichloropropane	76	6.533	6.538	(0.916)	266789	50.0000	53.4
	58 2-Hexanone	43	6.603	6.608	(0.926)	393087	250.000	240
	59 Dibromochloromethane	129	6.710	6.715	(0.941)	172509	50.0000	46.3
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	172759	50.0000	53.0
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	412580	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	521705	50.0000	47.1
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.229	(1.014)	143907	50.0000	50.0
	64 Ethylbenzene	106	7.229	7.234	(1.014)	267815	50.0000	46.0
	65 m&p-Xylene	106	7.325	7.325	(1.027)	675957	100.000	89.7
	67 o-Xylene	106	7.560	7.560	(1.060)	285719	50.0000	42.5
	68 Styrene	104	7.576	7.576	(1.062)	516058	50.0000	46.4
	69 Bromoform	173	7.683	7.683	(0.905)	80688	50.0000	42.8
	70 Isopropylbenzene	105	7.780	7.785	(1.091)	686627	50.0000	41.5
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	162825	50.0000	48.0
	74 Bromobenzene	77	7.951	7.951	(1.115)	243126	50.0000	41.7
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	154702	50.0000	48.2
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	34609	50.0000	45.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.994	(0.942)	45930	50.0000	48.5
76	n-Propylbenzene	91	8.015	8.015	(0.945)	749048	50.0000	43.1
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	466300	50.0000	43.2
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	464582	50.0000	41.1
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	188742	50.0000	45.9
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	474997	50.0000	39.2
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	464338	50.0000	40.5
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	574915	50.0000	40.4
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	325159	50.0000	43.3
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	491529	50.0000	39.8
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	190366	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	349243	50.0000	44.1
87	n-Butylbenzene	91	8.657	8.657	(1.020)	439151	50.0000	41.0
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	256222	50.0000	45.0
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	14131	50.0000	39.6
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	132687	50.0000	45.2
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	55851	50.0000	35.7
92	Naphthalene	128	9.497	9.497	(1.119)	336355	50.0000	46.8
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	104639	50.0000	43.4
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	131272	50.0000	44.8
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	99532	50.0000	47.3

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c01ccv.d
Date : 03-JUL-2014 03:07
Client ID: 8260-CCV
Instrument: 50mv6b.i
Sample Info: 8260-CCV,71825:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/c01ccv.d
Injection Date: 03-JUL-2014 03:07
Instrument: 50mv6b.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a06ccv.d
Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
Inj Date : 03-JUL-2014 19:40
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-ccv,71705:0
Misc Info : 66491
Comment   :
Method   : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 7 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 CAL-AMT (ppb)	ON-COL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	216242	50.0000	44.3
2	Chloromethane	50	1.001	1.001	(0.246)	127913	50.0000	42.9
3	Vinyl Chloride	62	1.050	1.050	(0.258)	169936	50.0000	45.6
4	Bromomethane	94	1.189	1.189	(0.292)	75861	50.0000	20.8
5	Chloroethane	64	1.232	1.231	(0.303)	58773	50.0000	34.8
6	Trichlorofluoromethane	101	1.339	1.338	(0.329)	249097	50.0000	43.0
8	Diethyl ether	74	1.462	1.461	(0.359)	80693	50.0000	53.6
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	199055	50.0000	50.7
9	Acrolein	56	1.531	1.531	(0.377)	251355	1000.00	886
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	185931	50.0000	53.7
11	1,1-Dichloroethene	96	1.585	1.585	(0.390)	164400	50.0000	52.0
12	Acetone	43	1.601	1.601	(0.394)	141142	250.000	296
13	Iodomethane	142	1.670	1.670	(0.411)	420591	100.000	113
14	Carbon Disulfide	76	1.713	1.713	(0.421)	867048	100.000	106
16	Methyl Acetate	43	1.756	1.756	(0.432)	71397	50.0000	49.3
143	Acetonitrile	39	1.772	1.772	(0.436)	211170	50.0000	51.0
15	allyl chloride	41	1.772	1.772	(0.436)	296353	100.000	108
17	Methylene Chloride	84	1.841	1.841	(0.453)	178150	50.0000	58.2
18	tert-Butyl Alcohol	59	1.890	1.889	(0.465)	23808	100.000	101(M)
19	Acrylonitrile	53	1.980	1.980	(0.487)	1292025	1000.00	954
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.491)	864983	100.000	117
21	1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	235453	50.0000	52.9
22	n-Hexane	57	2.178	2.173	(0.536)	306063	50.0000	57.1

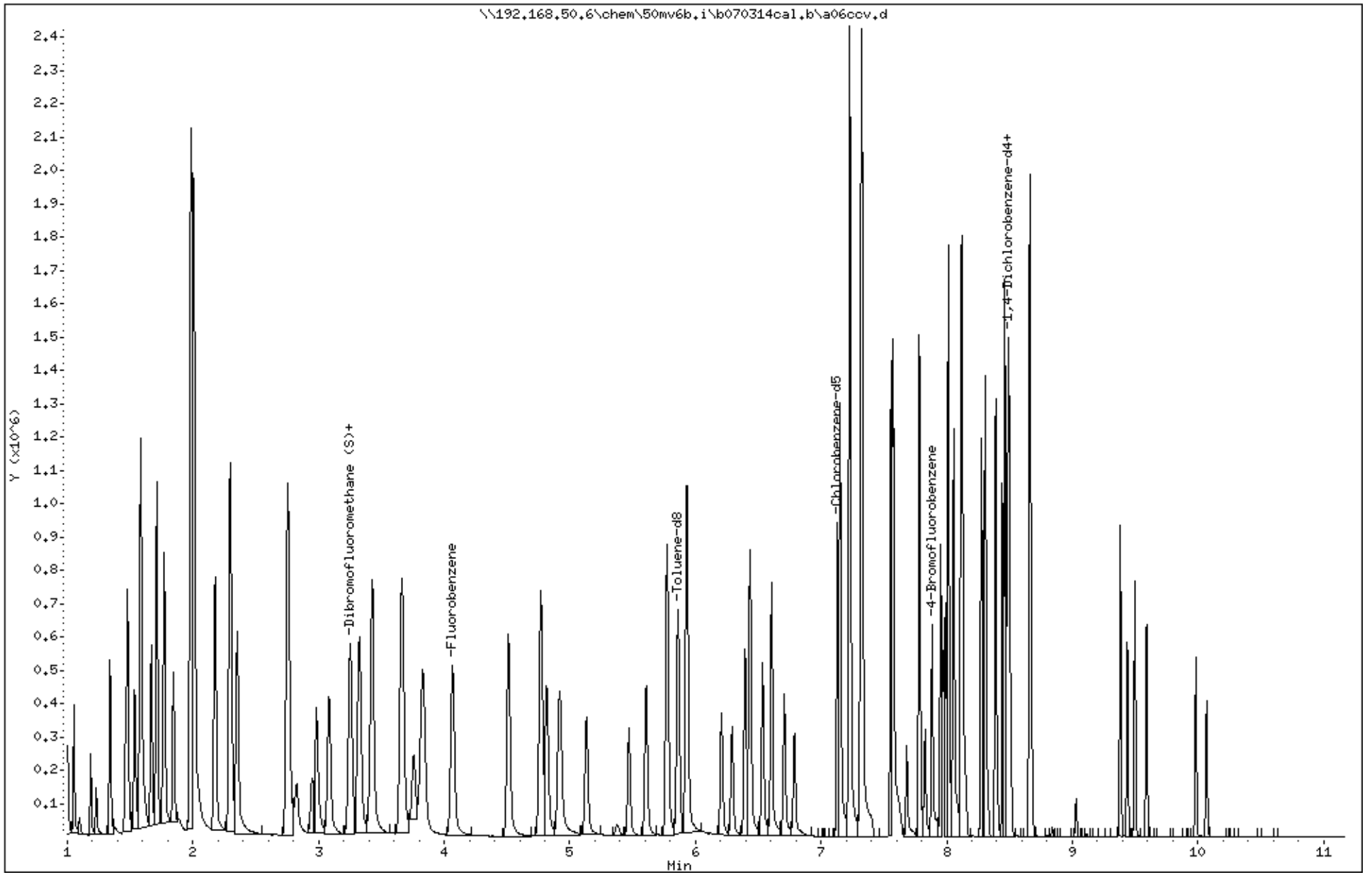
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	908676	200.000	194
	23 1,1-Dichloroethane	63	2.301	2.301	(0.566)	356687	50.0000	51.8
	147 chloroprene	53	2.350	2.350	(0.578)	266949	50.0000	54.7
	28 2-Butanone	43	2.745	2.745	(0.675)	343508	250.000	265
	26 1,2-Dichloroethene (cis)	96	2.756	2.756	(0.678)	250245	50.0000	52.6
	27 2,2-Dichloropropane	77	2.762	2.761	(0.679)	173669	50.0000	56.7
	149 Propionitrile	54	2.810	2.810	(0.691)	27504	50.0000	54.5
	144 Methacrylonitrile	41	2.943	2.943	(0.724)	76662	50.0000	51.3(M)
	30 Bromochloromethane	49	2.981	2.981	(0.733)	143250	50.0000	50.2
	31 Tetrahydrofuran	42	2.997	3.002	(0.737)	41239	50.0000	57.5
	32 Chloroform	83	3.083	3.082	(0.758)	356063	50.0000	50.7
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	144649	50.0000	46.6
	34 1,1,1-Trichloroethane	97	3.248	3.248	(0.799)	279578	50.0000	56.3
	35 Cyclohexane	56	3.323	3.323	(0.817)	319509	50.0000	57.1
	36 Carbon Tetrachloride	117	3.420	3.419	(0.841)	236004	50.0000	56.6
	37 1,1-Dichloropropene	75	3.430	3.430	(0.843)	291010	50.0000	59.4
	39 Benzene	78	3.666	3.660	(0.901)	763464	50.0000	54.8
	40 1,2-Dichloroethane	62	3.757	3.756	(0.924)	225804	50.0000	50.2
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	106369	50.0000	54.4
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	678728	50.0000	58.0
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	599974	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	219583	50.0000	57.4
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	241700	50.0000	59.8
	44 1,2-Dichloropropane	63	4.816	4.816	(1.184)	183030	50.0000	54.7
	45 Dibromomethane	93	4.912	4.912	(1.208)	125148	50.0000	54.1
	142 1,4-Dioxane	88	4.923	4.923	(1.210)	49465	1000.00	1070
	46 Methyl methacrylate	69	4.928	4.928	(1.212)	93635	50.0000	59.8
	47 Bromodichloromethane	83	5.131	5.131	(1.262)	235066	50.0000	54.0
	48 2-Chloroethyl vinyl ether	63	5.468	5.468	(0.767)	137171	100.000	104
	49 cis-1,3-Dichloropropene	75	5.608	5.602	(0.786)	267909	50.0000	51.5
	50 4-Methyl-2-Pentanone	43	5.773	5.773	(0.809)	548609	250.000	301
$	51 Toluene-d8	98	5.864	5.859	(0.822)	472404	50.0000	51.6
	52 Toluene	91	5.934	5.928	(0.832)	779766	50.0000	55.5
	53 trans-1,3-Dichloropropene	75	6.207	6.207	(0.870)	193973	50.0000	48.7
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	168031	50.0000	53.8
	55 1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	142532	50.0000	63.1
	56 Tetrachloroethene	166	6.437	6.431	(0.902)	230071	50.0000	59.0
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	267357	50.0000	62.6
	58 2-Hexanone	43	6.603	6.603	(0.926)	392930	250.000	288
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	184266	50.0000	54.7
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	174670	50.0000	60.5
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	388459	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	523857	50.0000	54.8
	63 1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	150026	50.0000	60.2
	64 Ethylbenzene	106	7.229	7.228	(1.014)	268063	50.0000	54.5
	65 m&p-Xylene	106	7.325	7.325	(1.027)	675842	100.000	108
	67 o-Xylene	106	7.560	7.560	(1.060)	284602	50.0000	56.0
	68 Styrene	104	7.576	7.576	(1.062)	519395	50.0000	54.9
	69 Bromoform	173	7.683	7.683	(0.905)	88251	50.0000	51.6
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	683598	50.0000	54.6
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	148385	50.0000	47.8
	74 Bromobenzene	77	7.951	7.951	(1.115)	243066	50.0000	58.3
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	154993	50.0000	53.9
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	38308	50.0000	56.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	45202	50.0000	55.4
76	n-Propylbenzene	91	8.015	8.015	(0.945)	765137	50.0000	52.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	470266	50.0000	51.6
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	468849	50.0000	46.9
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	192653	50.0000	54.9
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	483632	50.0000	50.1
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	481191	50.0000	47.5
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	581700	50.0000	46.5
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	330499	50.0000	51.8
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	497337	50.0000	46.0
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	171748	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	351243	50.0000	52.0
87	n-Butylbenzene	91	8.657	8.662	(1.020)	456534	50.0000	48.8
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	255770	50.0000	52.0
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	14837	50.0000	49.6
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	143388	50.0000	60.5
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	56138	50.0000	43.1
92	Naphthalene	128	9.497	9.502	(1.119)	327198	50.0000	57.5
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	108492	50.0000	57.4
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	138422	50.0000	56.0
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	98534	50.0000	62.0

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a06ccv.d
Date : 03-JUL-2014 19:40
Client ID: 8260-CCV
Instrument: 50mv6b.i
Sample Info: 8260-CCV,71705:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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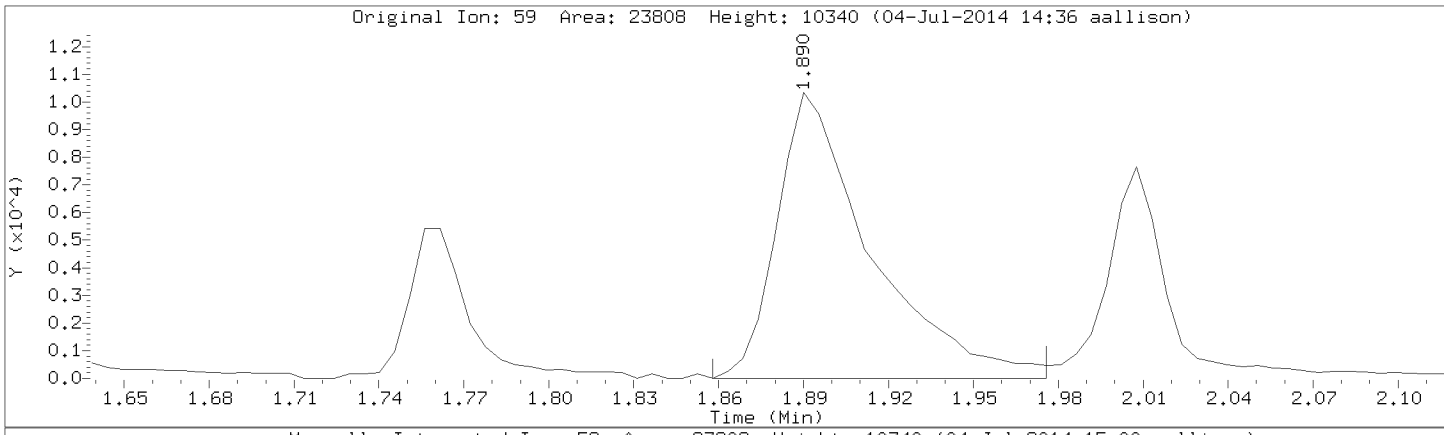
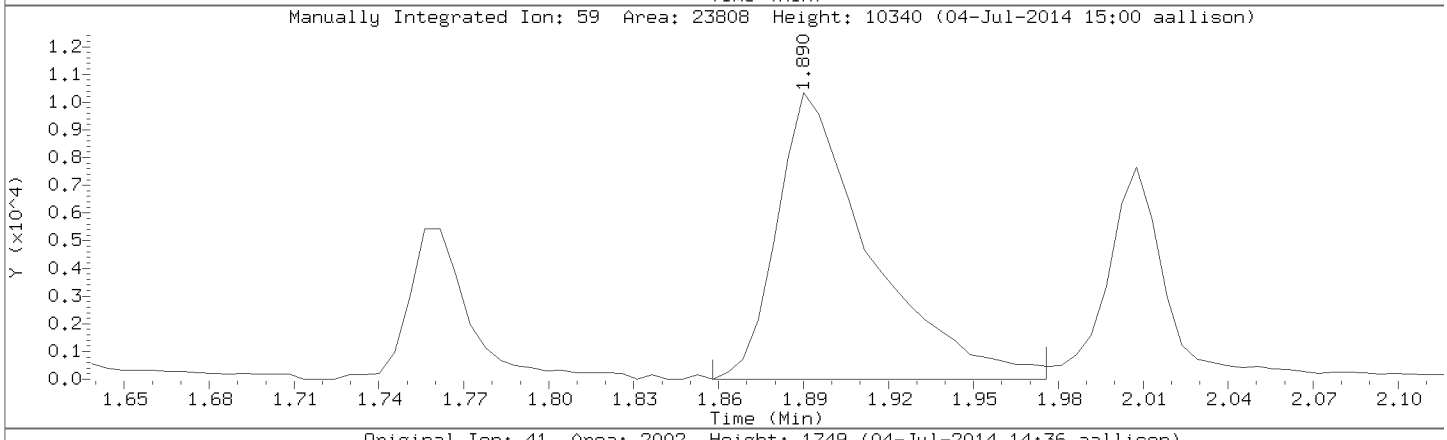
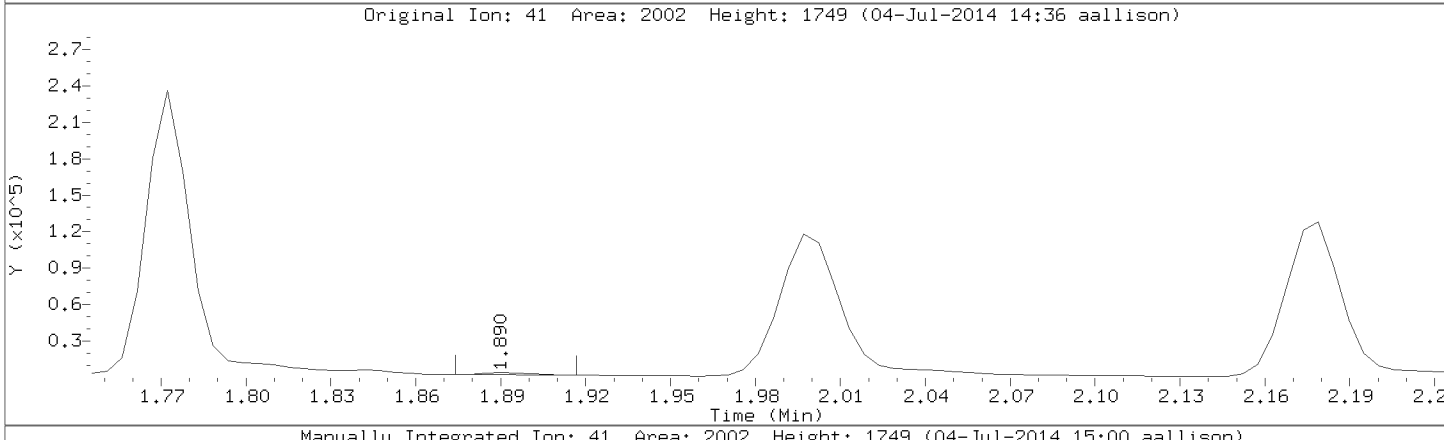
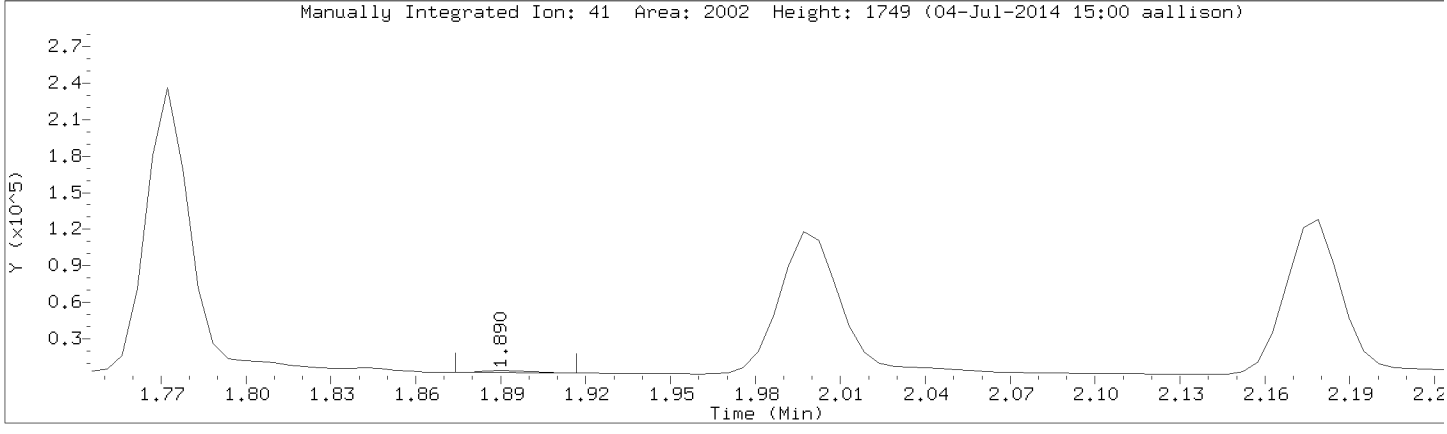
Injection Date: 03-JUL-2014 19:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-CCV

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









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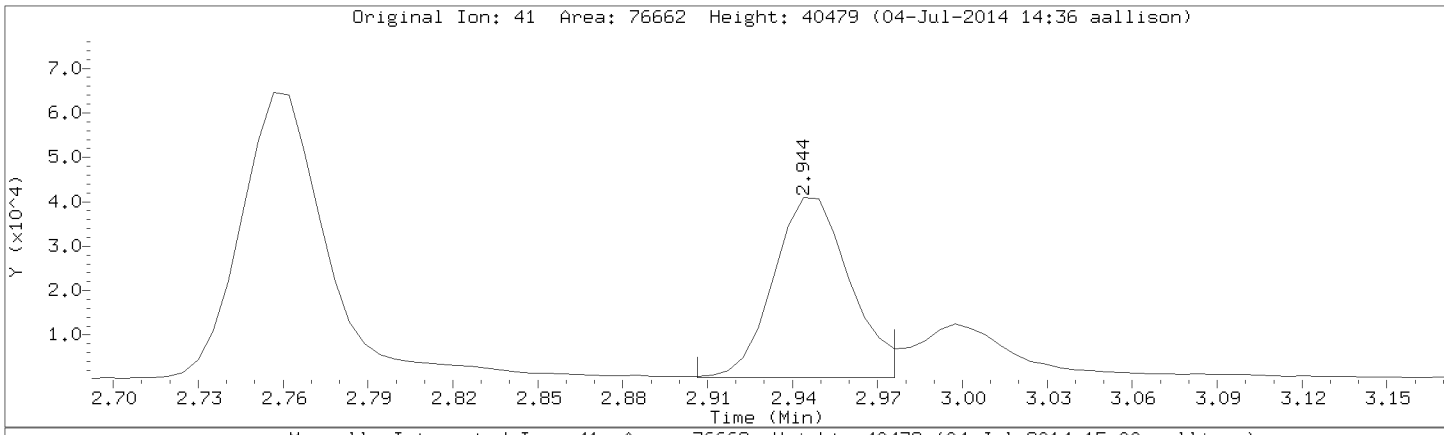
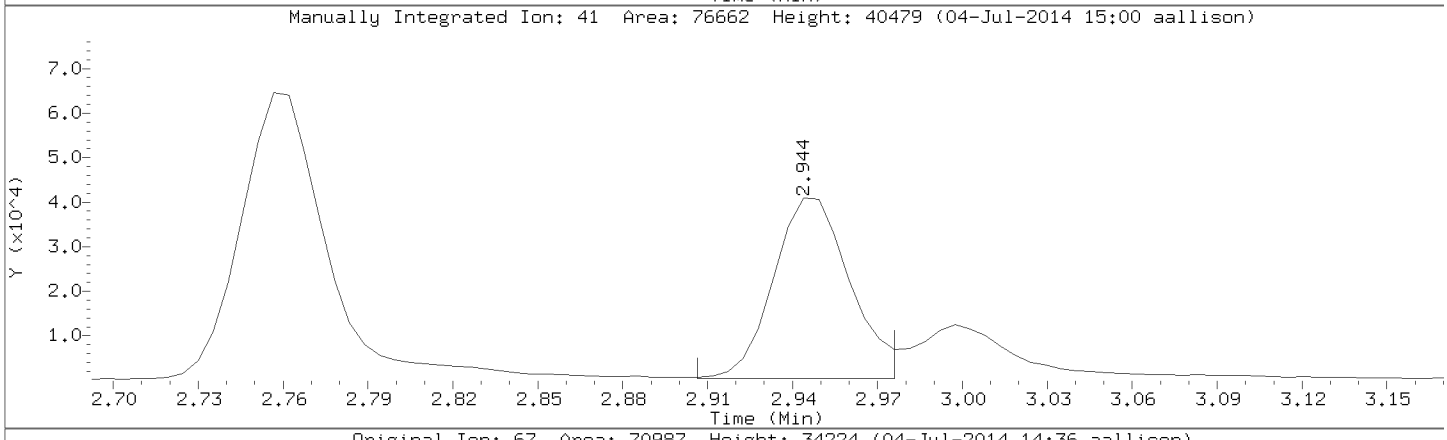
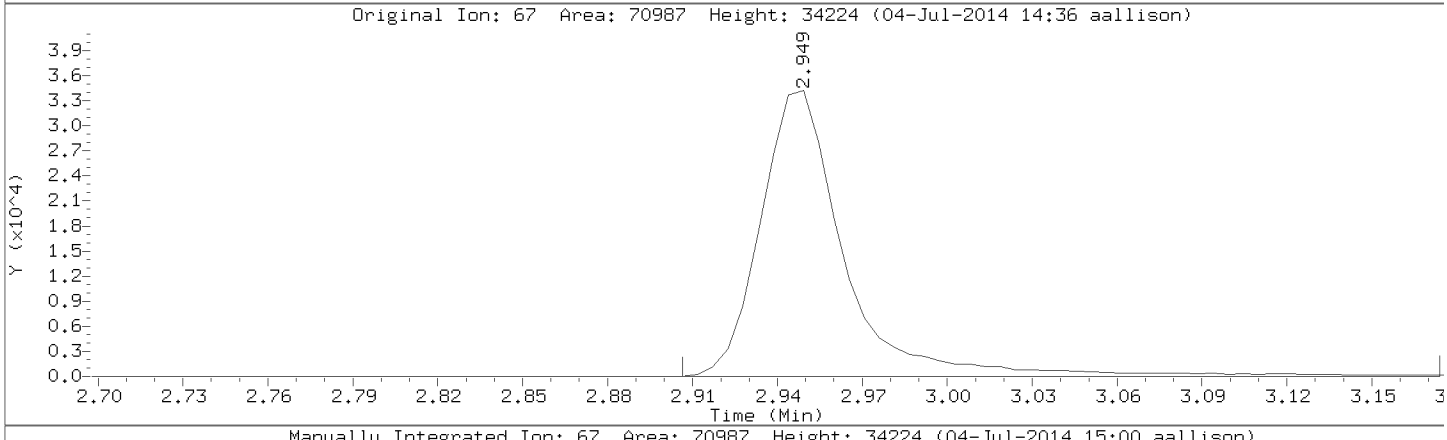
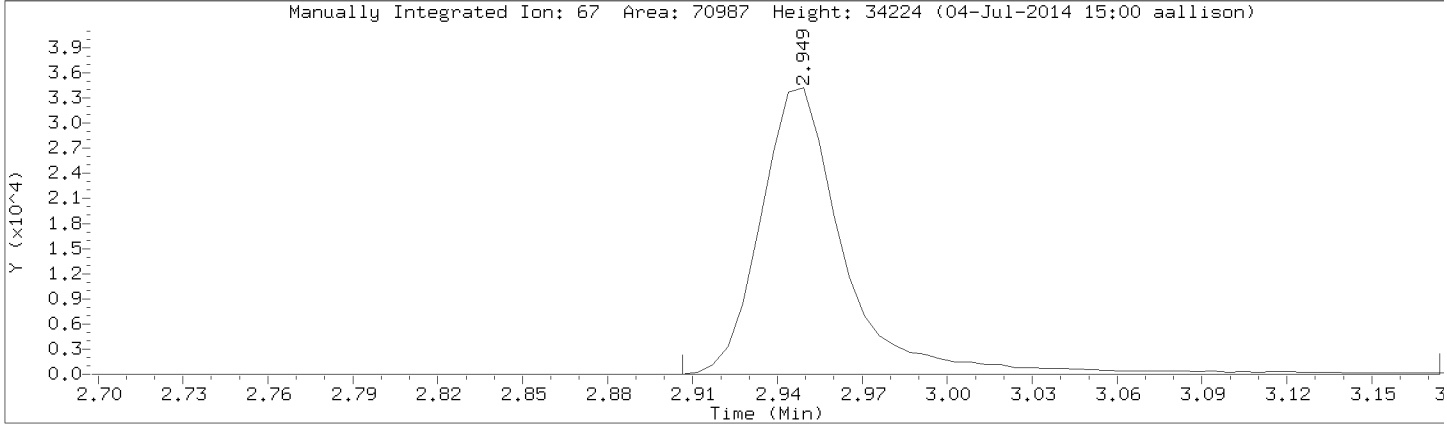
Injection Date: 03-JUL-2014 19:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-CCV

Compound: Methacrylonitrile
CAS Number: 126-98-7









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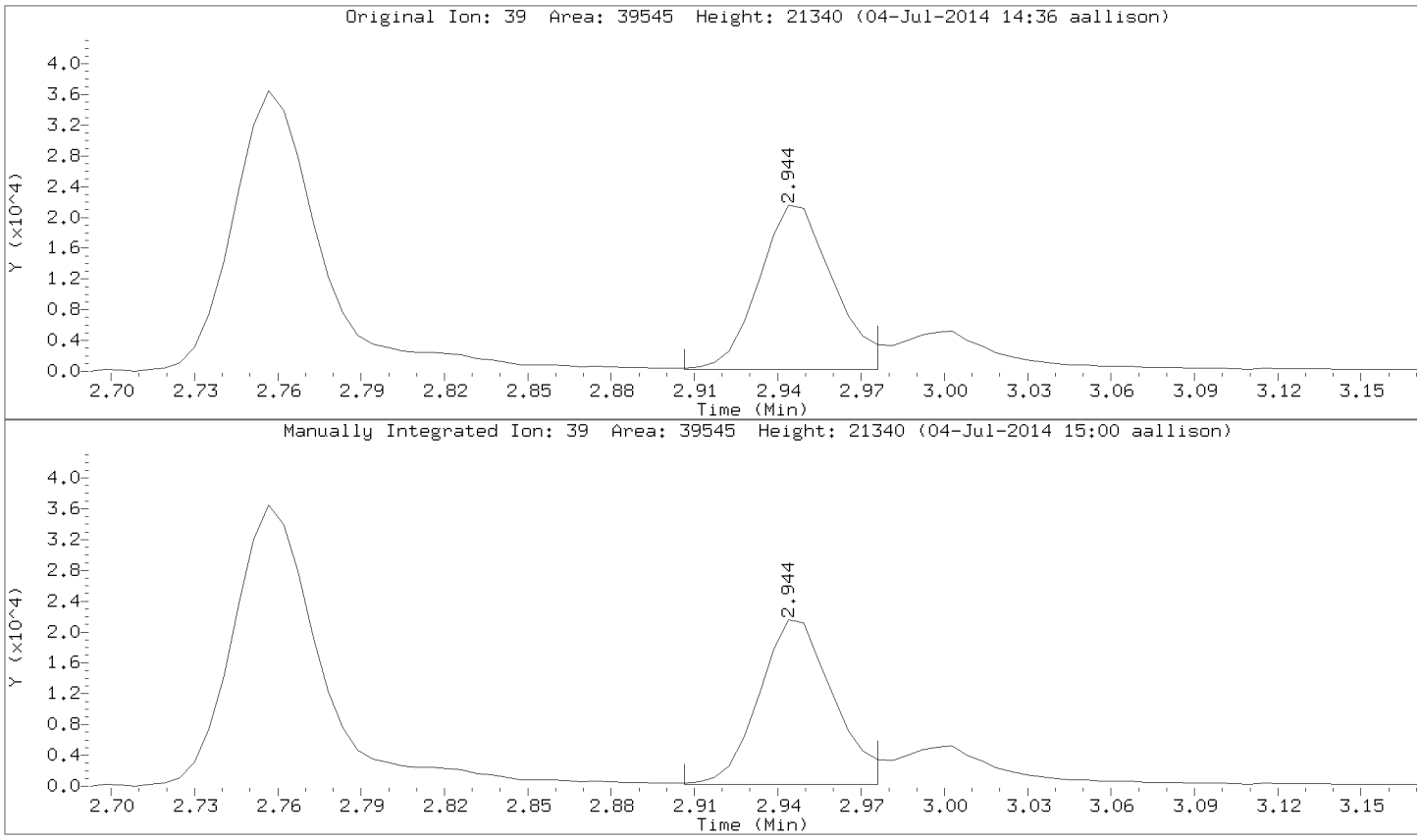
Injection Date: 03-JUL-2014 19:40
Instrument: 50mv6b.i
Lab Sample ID: 8260-CCV



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d
Lab Smp Id: 8260-ICV Client Smp ID: 8260-ICV
Inj Date : 03-JUL-2014 21:29
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-icv,71932:0
Misc Info : 66491
Comment   :
Method   : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 11 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 ON-COLUMN (ppb)	FINAL (ppb)
1	Dichlorodifluoromethane	85	0.927	0.927	(0.228)	309721	63.4520	63.4
2	Chloromethane	50	1.002	1.001	(0.247)	131606	44.1753	44.2
3	Vinyl Chloride	62	1.050	1.050	(0.259)	206048	55.2584	55.2
4	Bromomethane	94	1.189	1.189	(0.293)	127322	34.8673	34.9
5	Chloroethane	64	1.232	1.231	(0.303)	77047	45.6966	45.7
6	Trichlorofluoromethane	101	1.339	1.338	(0.330)	306171	52.8957	52.9
8	Diethyl ether	74	1.462	1.461	(0.360)	74904	49.7685	49.8
7	1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.364)	180222	45.9064	45.9
9	Acrolein	56	1.531	1.531	(0.377)	402266	1418.53	1420
10	1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.389)	177431	51.2584	51.2
11	1,1-Dichloroethene	96	1.585	1.585	(0.390)	145797	46.1083	46.1
12	Acetone	43	1.595	1.601	(0.393)	134420	280.759	281
13	Iodomethane	142	1.670	1.670	(0.411)	317822	85.0965	85.1
14	Carbon Disulfide	76	1.713	1.713	(0.422)	812189	99.8698	99.9
16	Methyl Acetate	43	1.756	1.756	(0.432)	74934	51.8096	51.8
143	Acetonitrile	39	1.772	1.772	(0.436)	174724	42.1908	42.2
15	allyl chloride	41	1.772	1.772	(0.436)	234921	85.5174	85.5
17	Methylene Chloride	84	1.841	1.841	(0.453)	153013	48.2155	48.2
18	tert-Butyl Alcohol	59	1.884	1.889	(0.464)	22666	96.0789	96.1(Q)
19	Acrylonitrile	53	1.975	1.980	(0.486)	1137324	840.537	840
20	Methyl-tert-butyl ether	73	1.997	1.996	(0.492)	787054	106.169	106
21	1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	206221	46.3823	46.4
22	n-Hexane	57	2.173	2.173	(0.535)	271100	50.6037	50.6

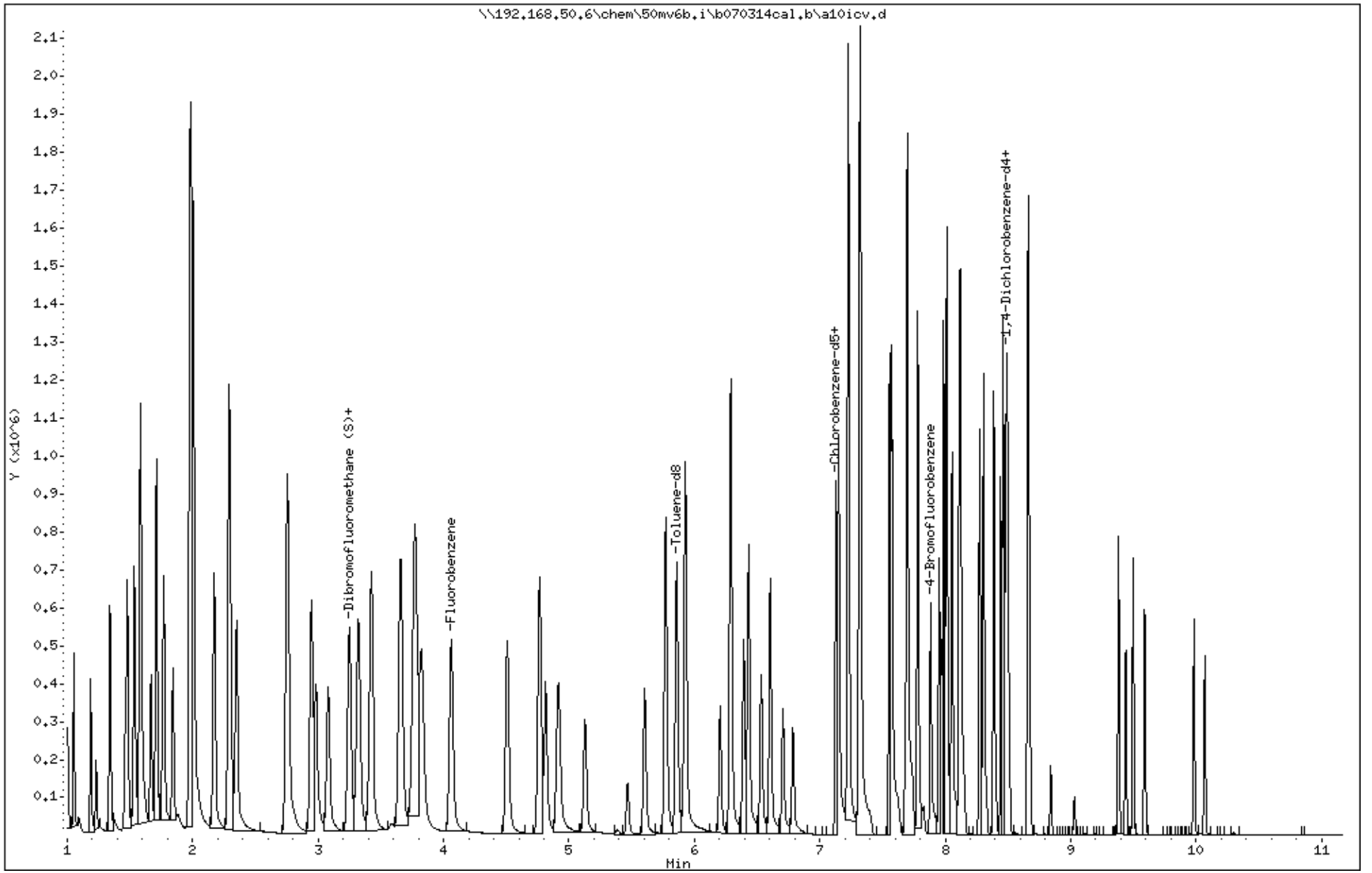
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)
24	Vinyl Acetate	43	2.291	2.291	(0.564)	1072137	229.528	230
23	1,1-Dichloroethane	63	2.302	2.301	(0.567)	321252	46.6405	46.6
147	chloroprene	53	2.350	2.350	(0.579)	241558	49.4909	49.5
28	2-Butanone	43	2.746	2.745	(0.676)	315229	243.169	243
26	1,2-Dichloroethene (cis)	96	2.756	2.756	(0.679)	220008	46.2484	46.2
27	2,2-Dichloropropane	77	2.762	2.761	(0.680)	172648	56.3575	56.4
149	Propionitrile	54	2.810	2.810	(0.692)	23196	46.0179	46.0(Q)
144	Methacrylonitrile	41	2.944	2.943	(0.725)	318326	212.988	213
30	Bromochloromethane	49	2.981	2.981	(0.734)	128550	45.1025	45.1
31	Tetrahydrofuran	42	2.997	3.002	(0.738)	41333	57.6635	57.7
32	Chloroform	83	3.083	3.082	(0.759)	320808	45.7215	45.7
$ 33	Dibromofluoromethane (S)	113	3.248	3.254	(0.800)	145505	46.8499	46.8
34	1,1,1-Trichloroethane	97	3.248	3.248	(0.800)	251991	50.7676	50.8
35	Cyclohexane	56	3.318	3.323	(0.817)	307458	54.9673	55.0
36	Carbon Tetrachloride	117	3.420	3.419	(0.842)	211217	50.6409	50.6
37	1,1-Dichloropropene	75	3.425	3.430	(0.843)	259041	52.8944	52.9
39	Benzene	78	3.660	3.660	(0.901)	712576	51.2005	51.2
40	1,2-Dichloroethane	62	3.751	3.756	(0.924)	205203	45.6237	45.6
38	Isobutyl alcohol	43	3.773	3.826	(0.929)	1006214	515.292	515(Q)
141	2,2,4-Trimethylpentane	57	3.821	3.826	(0.941)	606793	51.9225	51.9
* 41	Fluorobenzene	96	4.062	4.067	(1.000)	599696	50.0000	
42	Trichloroethene	95	4.506	4.511	(1.109)	196356	51.3199	51.3
43	Methylcyclohexane	55	4.762	4.768	(1.173)	225221	55.7288	55.7
44	1,2-Dichloropropane	63	4.816	4.816	(1.186)	162369	48.5831	48.6
45	Dibromomethane	93	4.907	4.912	(1.208)	106711	46.1584	46.2
142	1,4-Dioxane	88	4.918	4.923	(1.211)	46613	1009.54	1010
46	Methyl methacrylate	69	4.923	4.928	(1.212)	88021	56.2069	56.2
47	Bromodichloromethane	83	5.126	5.131	(1.262)	205890	47.3604	47.4
48	2-Chloroethyl vinyl ether	63	5.469	5.468	(0.767)	60378	55.9867	56.0
49	cis-1,3-Dichloropropene	75	5.602	5.602	(0.785)	226782	44.1272	44.1
50	4-Methyl-2-Pentanone	43	5.774	5.773	(0.809)	507458	277.415	277
$ 51	Toluene-d8	98	5.859	5.859	(0.821)	474425	51.6047	51.6
52	Toluene	91	5.929	5.928	(0.831)	707981	50.1887	50.2
53	trans-1,3-Dichloropropene	75	6.207	6.207	(0.870)	169638	43.3274	43.3
54	Ethyl Methacrylate	69	6.292	6.292	(0.882)	625955	191.557	192
55	1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	125998	55.5575	55.6
56	Tetrachloroethene	166	6.432	6.431	(0.902)	190762	48.7171	48.7
57	1,3-Dichloropropane	76	6.533	6.533	(0.916)	237421	55.3787	55.4
58	2-Hexanone	43	6.603	6.603	(0.926)	359183	261.793	262
59	Dibromochloromethane	129	6.710	6.710	(0.941)	152275	45.4428	45.4
60	1,2-Dibromoethane	107	6.785	6.790	(0.951)	156997	54.1594	54.2
* 61	Chlorobenzene-d5	117	7.132	7.132	(1.000)	390110	50.0000	
62	Chlorobenzene	112	7.154	7.154	(1.003)	464047	48.3073	48.3
63	1,1,1,2-Tetrachloroethane	131	7.229	7.228	(1.014)	129771	51.8455	51.8
64	Ethylbenzene	106	7.229	7.228	(1.014)	233601	47.2631	47.3
65	m&p-Xylene	106	7.320	7.325	(1.026)	599889	95.4290	95.4
67	o-Xylene	106	7.560	7.560	(1.060)	259045	50.6820	50.7
68	Styrene	104	7.576	7.576	(1.062)	461262	48.5396	48.5
69	Bromoform	173	7.683	7.683	(0.905)	75937	45.9922	46.0
70	Isopropylbenzene	105	7.780	7.779	(1.091)	617800	49.0665	49.1
$ 72	4-Bromofluorobenzene	95	7.881	7.881	(1.105)	145374	46.6022	46.6
74	Bromobenzene	77	7.951	7.951	(1.115)	204455	48.3754	48.4
73	1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	135260	47.9547	48.0
71	trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	137221	201.372	201(Q)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)	
75	1,2,3-Trichloropropane	110	7.994	7.993	(0.942)	40362	50.4010	50.4	(Q)
76	n-Propylbenzene	91	8.015	8.015	(0.945)	700884	48.4923	48.5	
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	409875	45.7967	45.8	
78	1,3,5-Trimethylbenzene	105	8.111	8.117	(0.956)	411447	42.2232	42.2	
79	4-Chlorotoluene	126	8.122	8.127	(0.957)	167236	48.5670	48.6	
80	tert-Butylbenzene	119	8.272	8.277	(0.975)	334949	34.9632	35.0	(R)
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	420776	42.6285	42.6	
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	515729	42.3010	42.3	
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	289849	46.2732	46.3	
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	426819	40.5706	40.6	
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	168610	50.0000		(Q)
86	1,4-Dichlorobenzene	146	8.497	8.496	(1.001)	311904	47.0227	47.0	
87	n-Butylbenzene	91	8.657	8.662	(1.020)	390026	42.5532	42.6	
88	1,2-Dichlorobenzene	146	8.662	8.668	(1.021)	227037	46.9219	46.9	
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	13525	46.2168	46.2	
90	1,2,4-Trichlorobenzene	180	9.385	9.384	(1.106)	123103	51.7906	51.8	
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	49052	38.3249	38.3	
92	Naphthalene	128	9.497	9.502	(1.119)	317827	56.7995	56.8	
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	102038	54.6119	54.6	
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	143556	59.6052	59.6	
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	110771	72.9106	72.9	

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d
Date : 03-JUL-2014 21:29
Client ID: 8260-ICV
Instrument: 50mv6b.i
Sample Info: 8260-ICV,71932:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

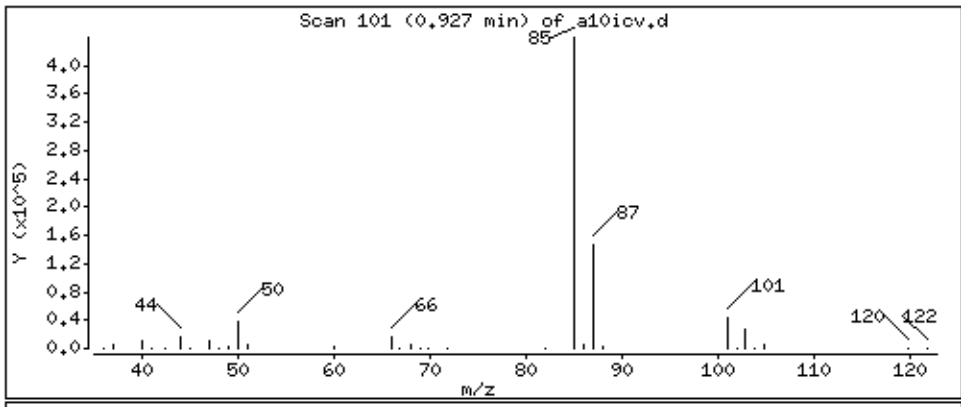
Operator: ala

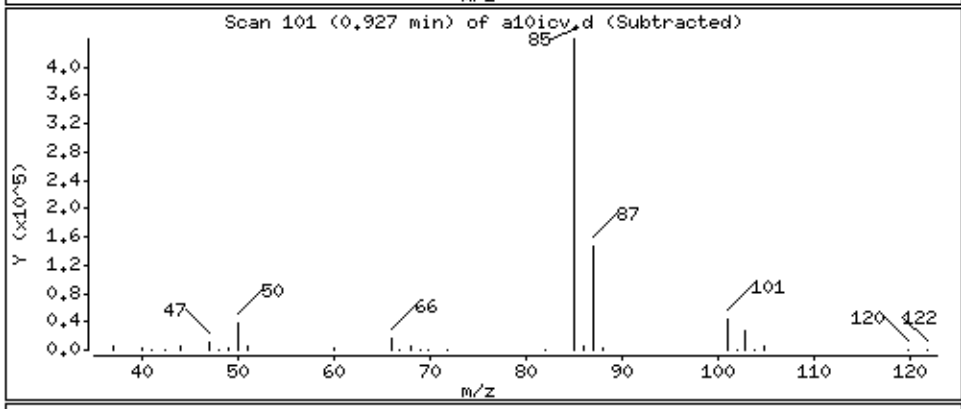
Column phase: DB-624

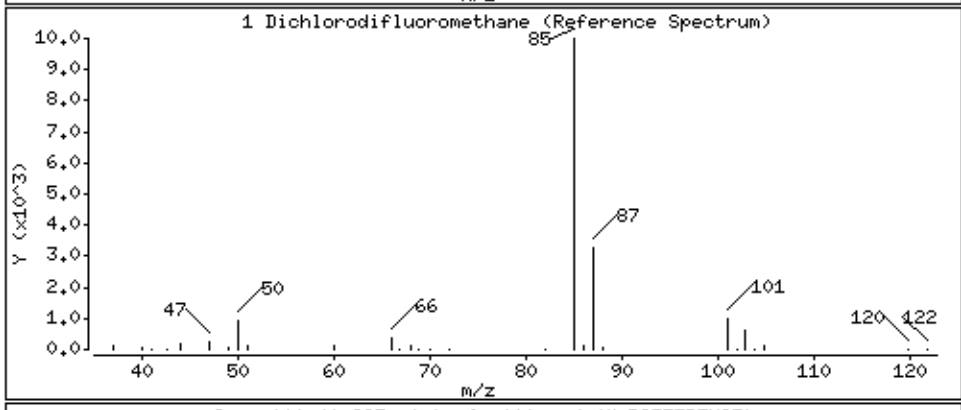
Column diameter: 0.18

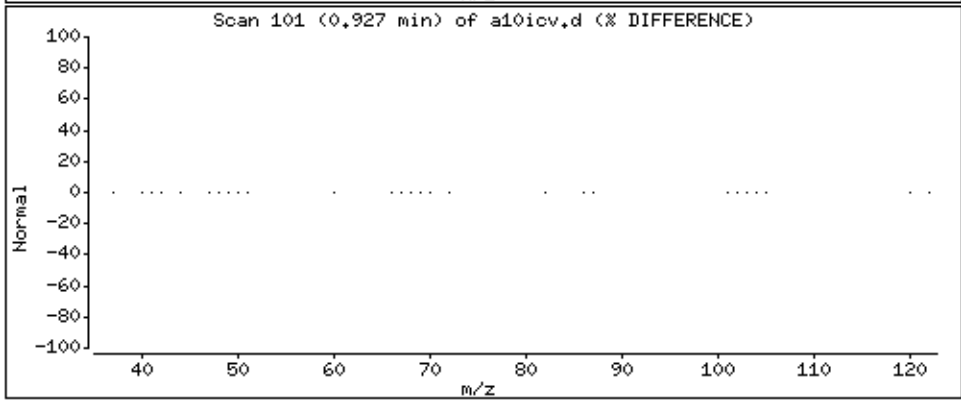
1 Dichlorodifluoromethane

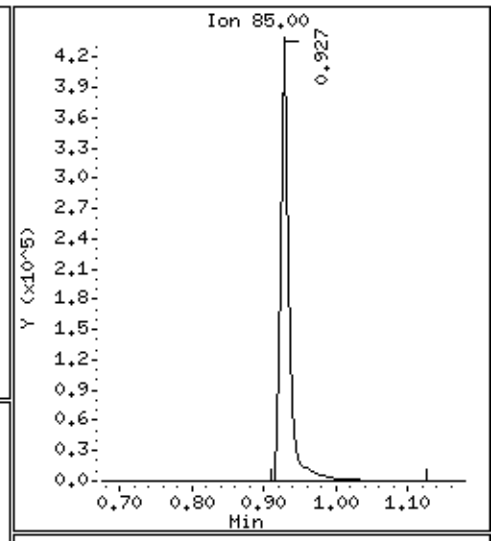
Concentration: 63.4 ppb

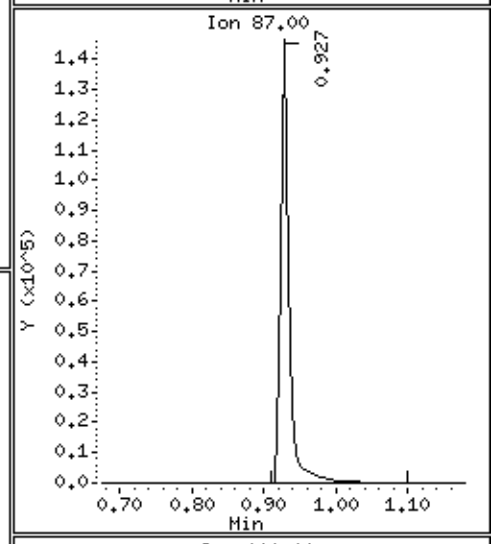


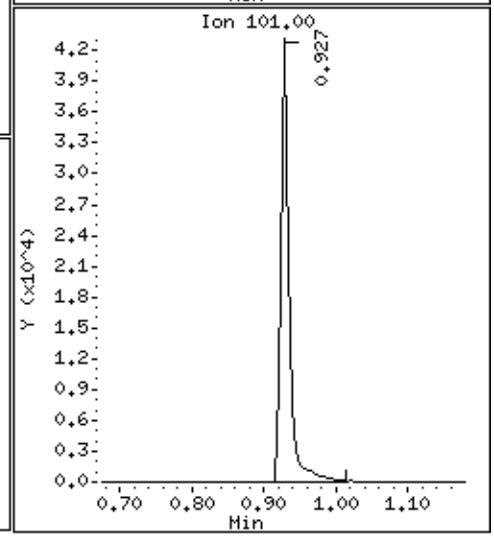












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

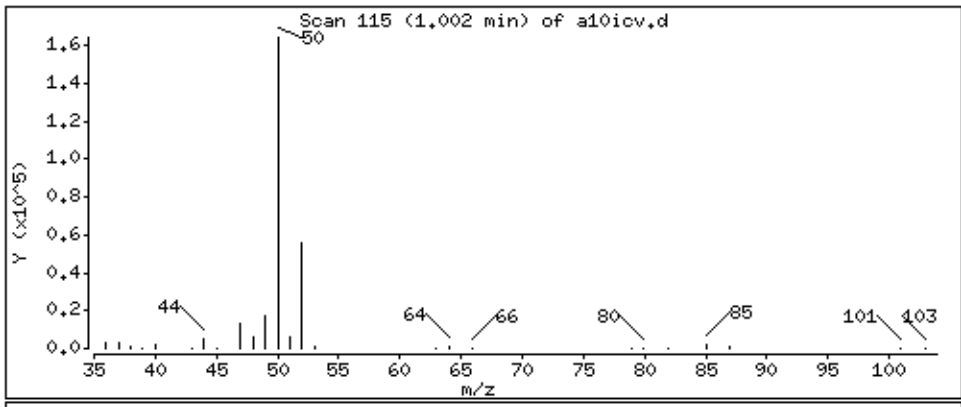
Operator: ala

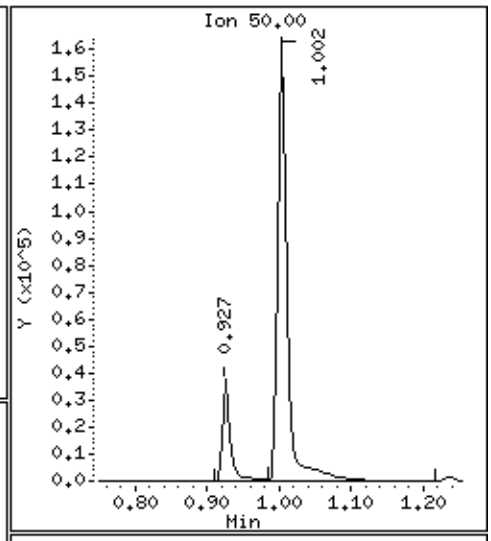
Column phase: DB-624

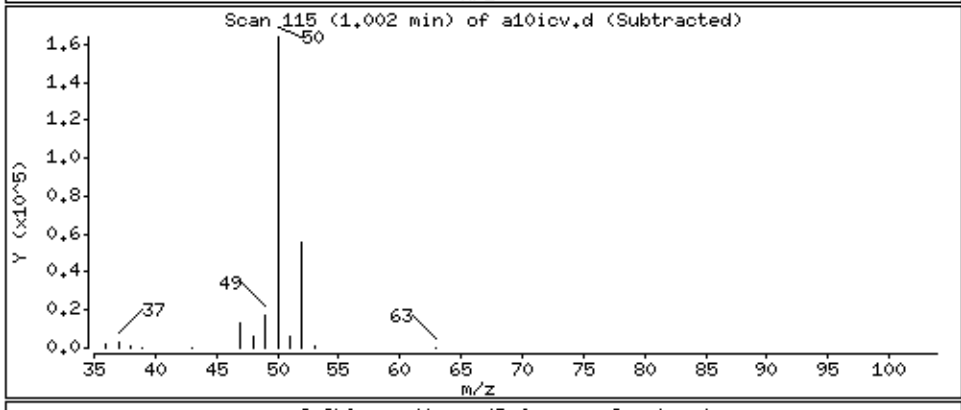
Column diameter: 0.18

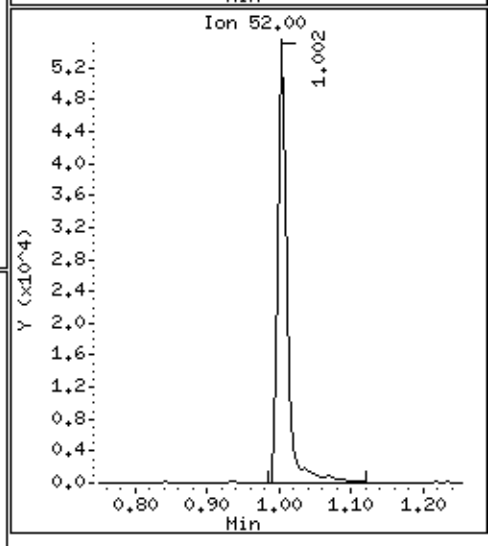
2 Chloromethane

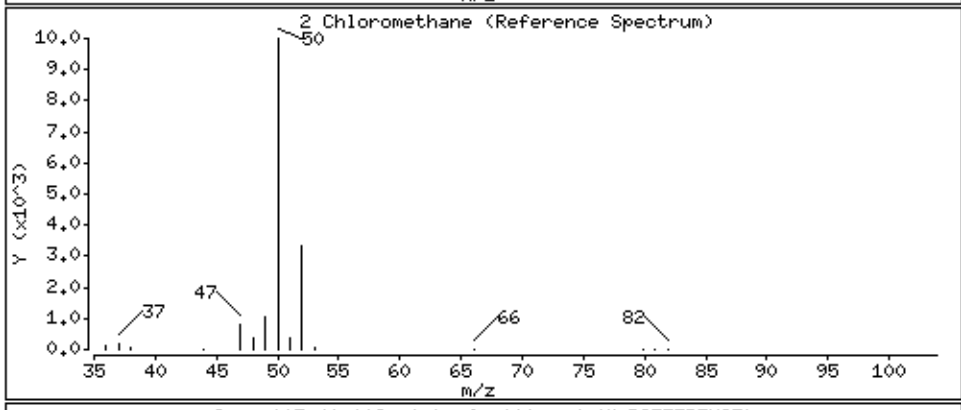
Concentration: 44.2 ppb

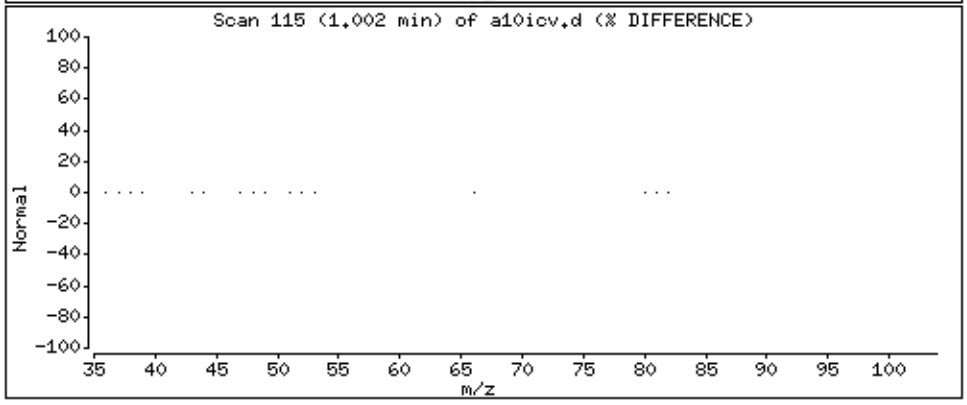












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

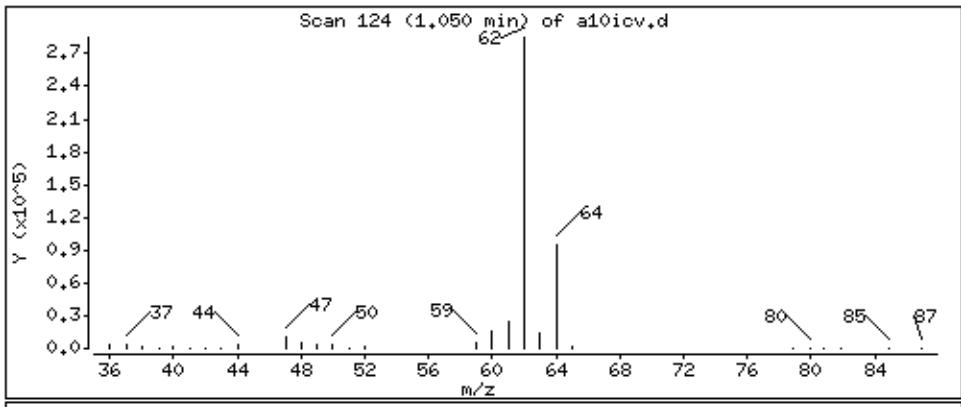
Operator: ala

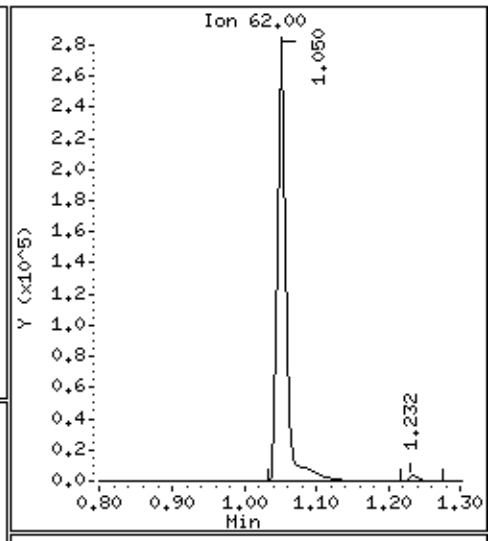
Column phase: DB-624

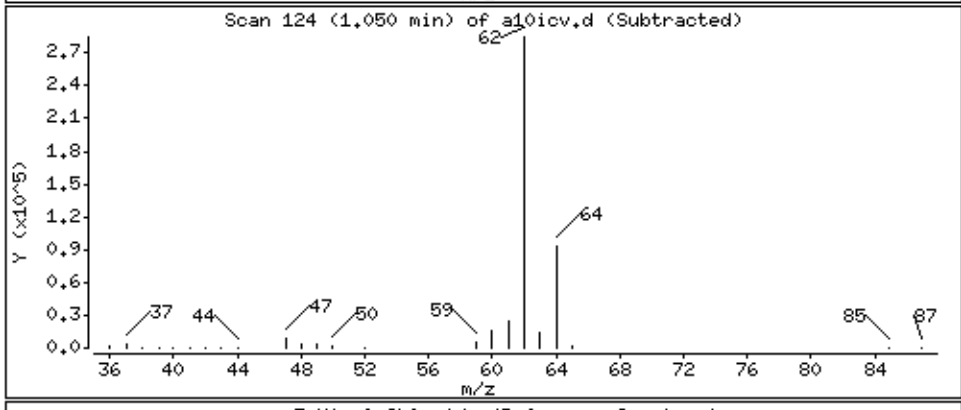
Column diameter: 0.18

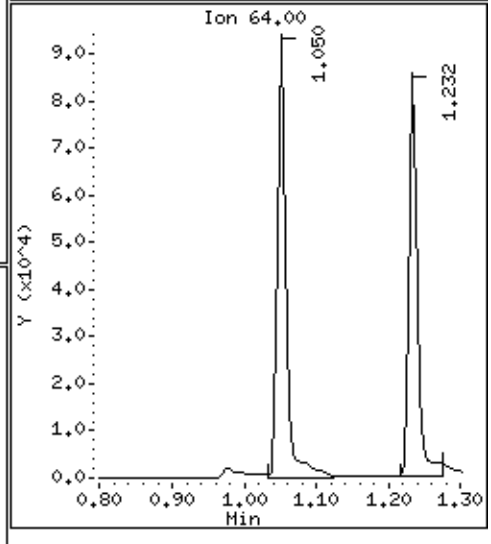
3 Vinyl Chloride

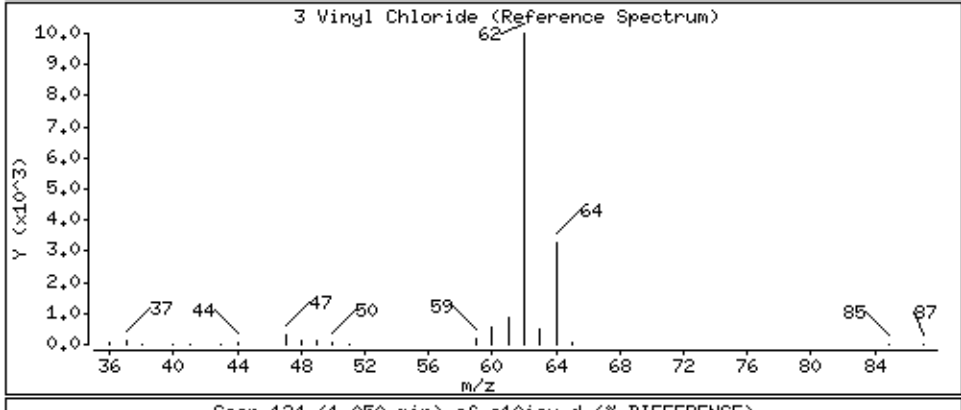
Concentration: 55.2 ppb

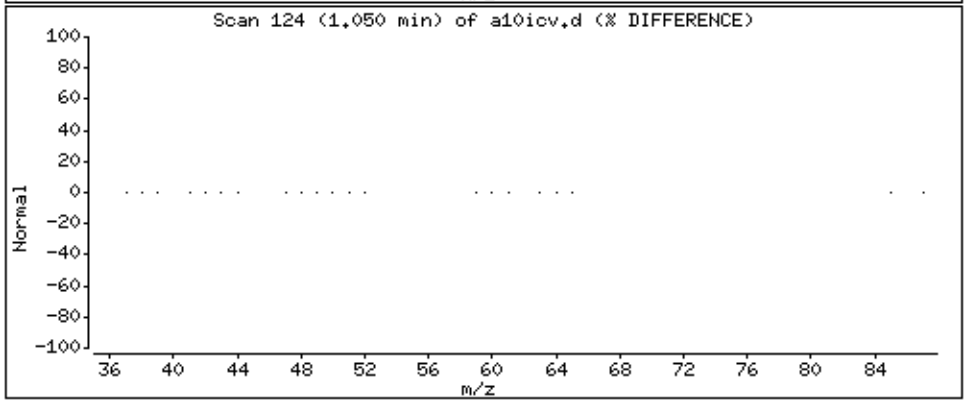












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

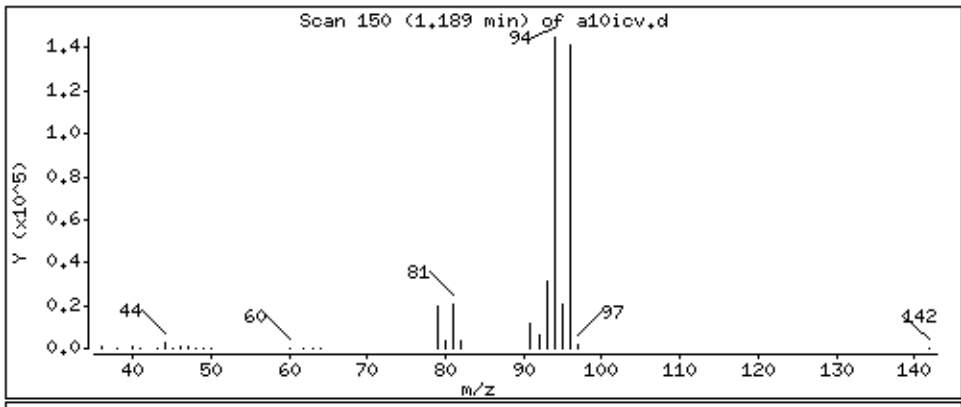
Operator: ala

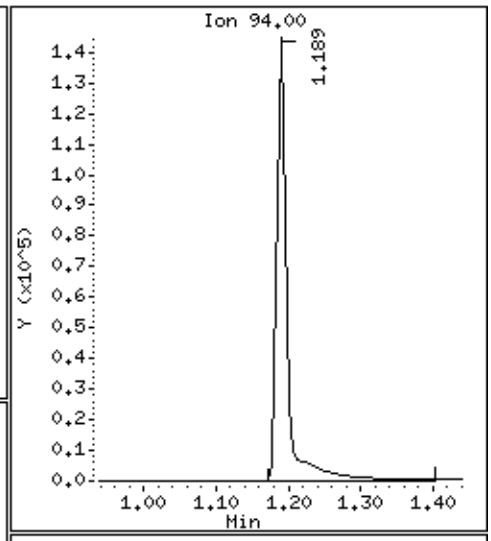
Column phase: DB-624

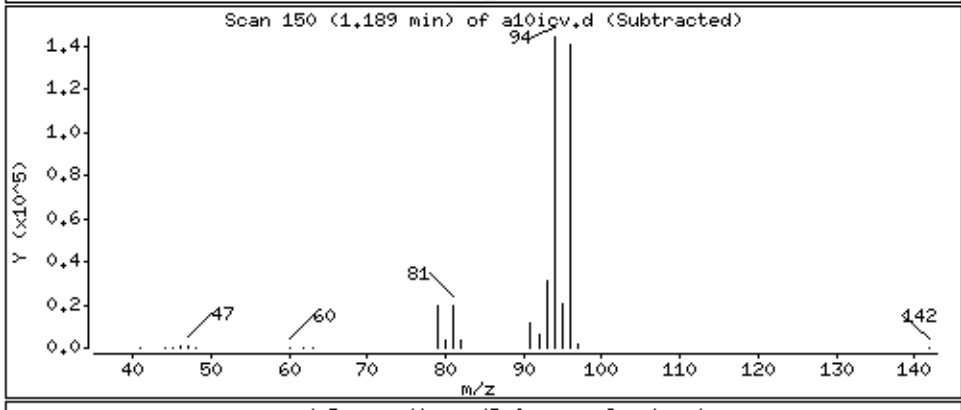
Column diameter: 0.18

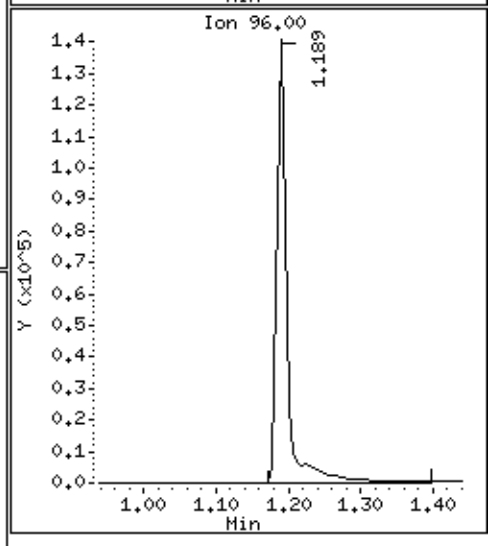
4 Bromomethane

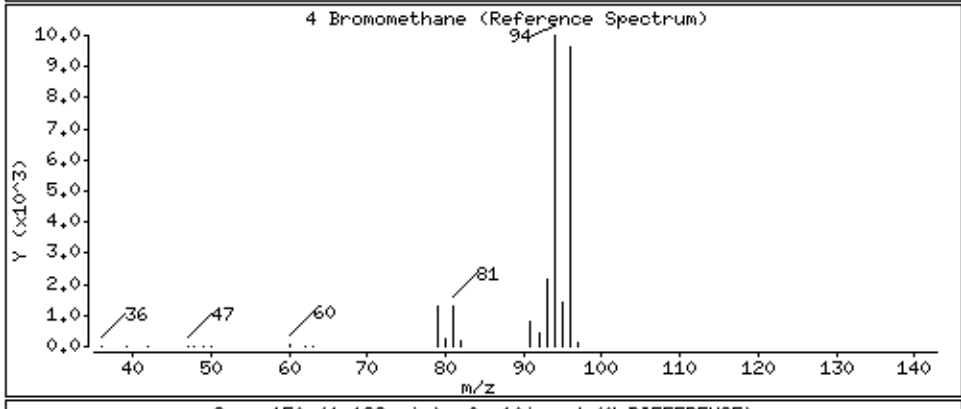
Concentration: 34.9 ppb

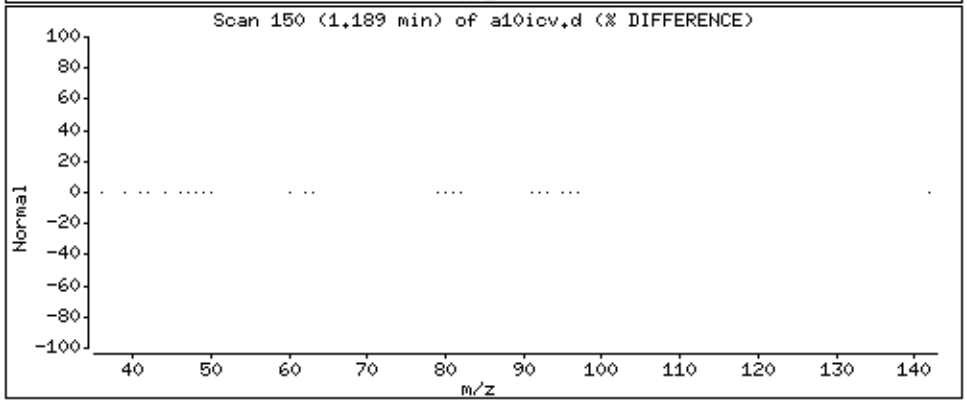












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

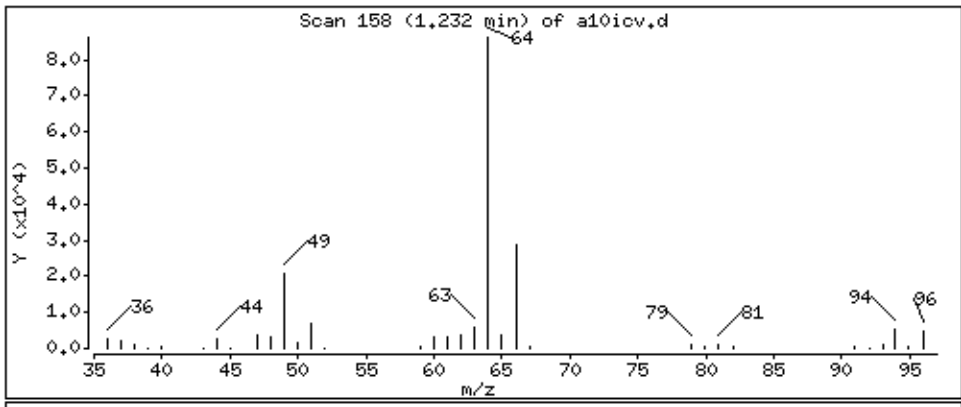
Operator: ala

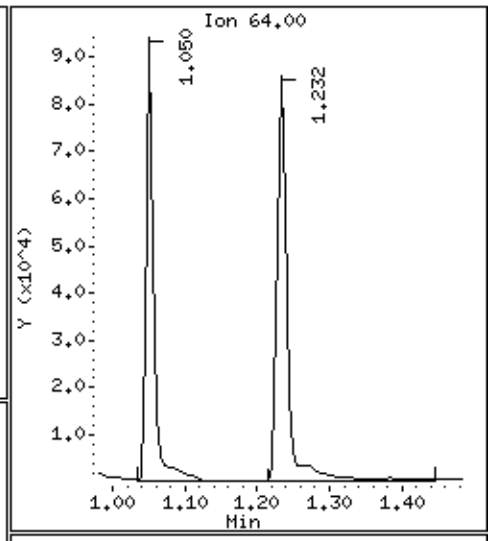
Column phase: DB-624

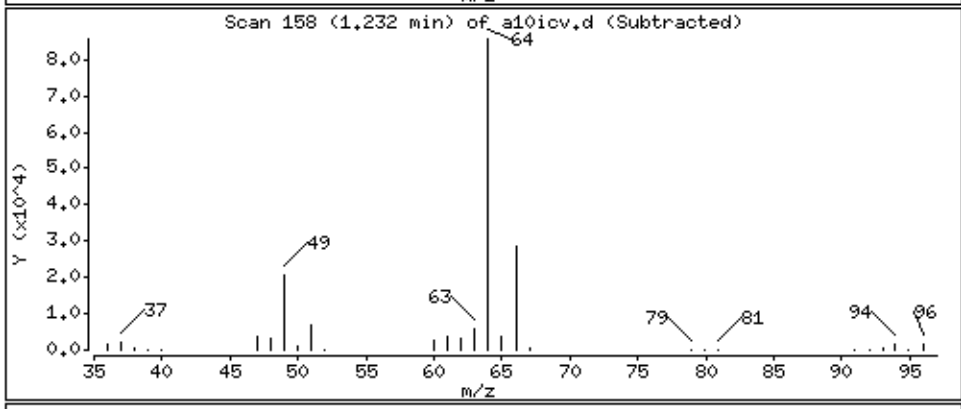
Column diameter: 0.18

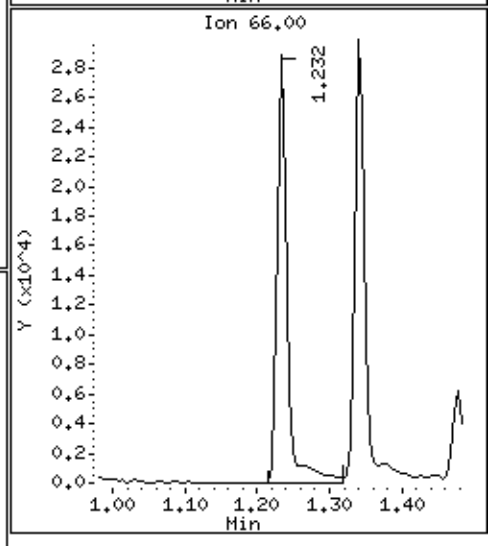
5 Chloroethane

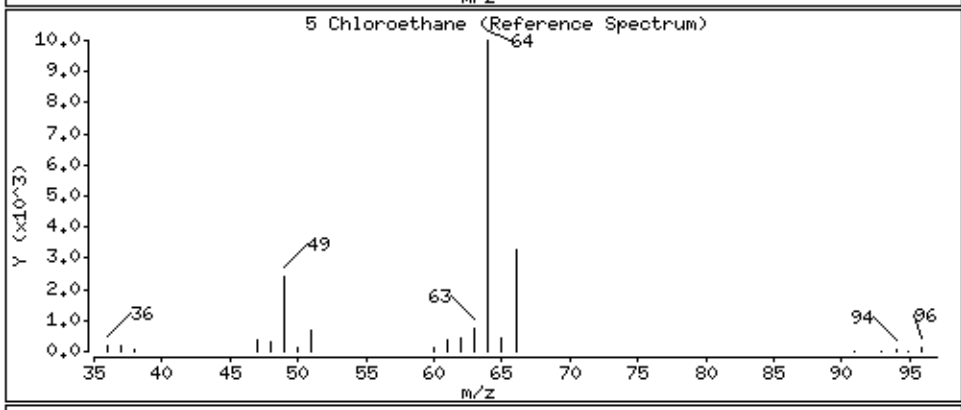
Concentration: 45.7 ppb

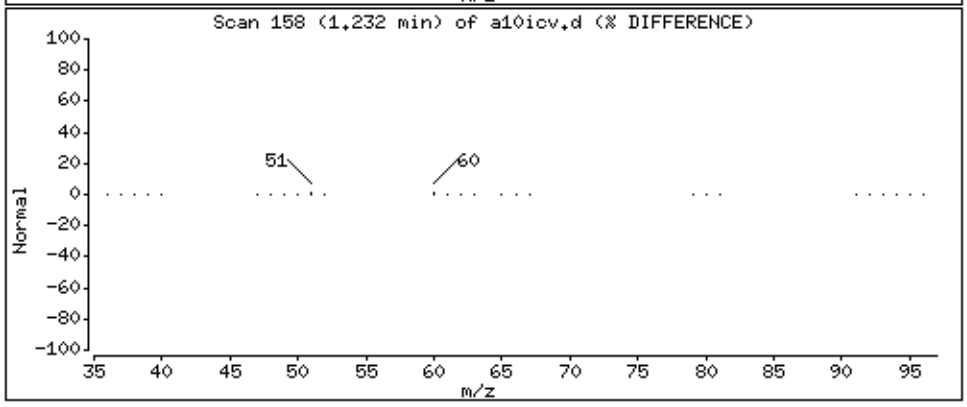












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

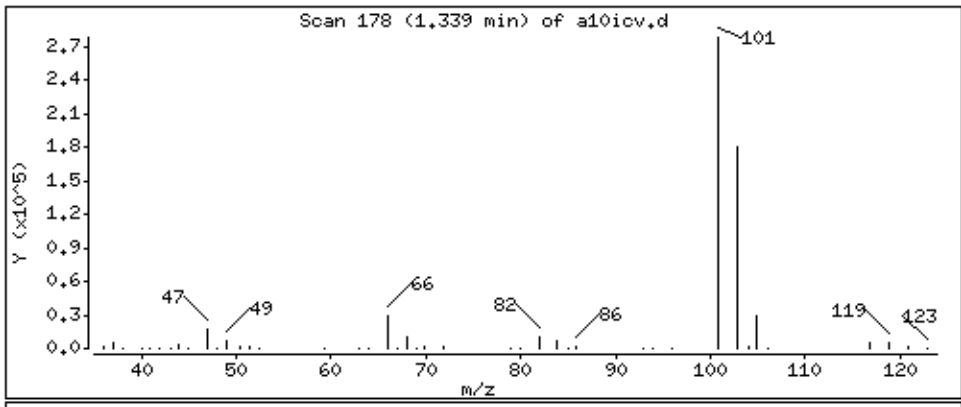
Operator: ala

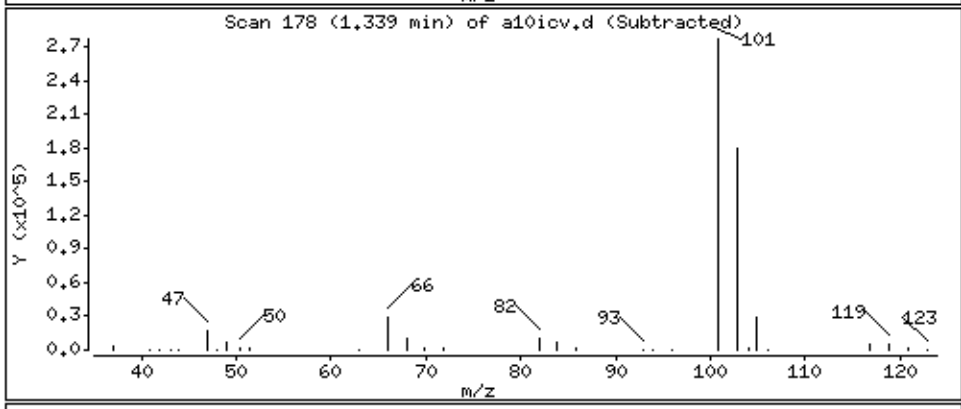
Column phase: DB-624

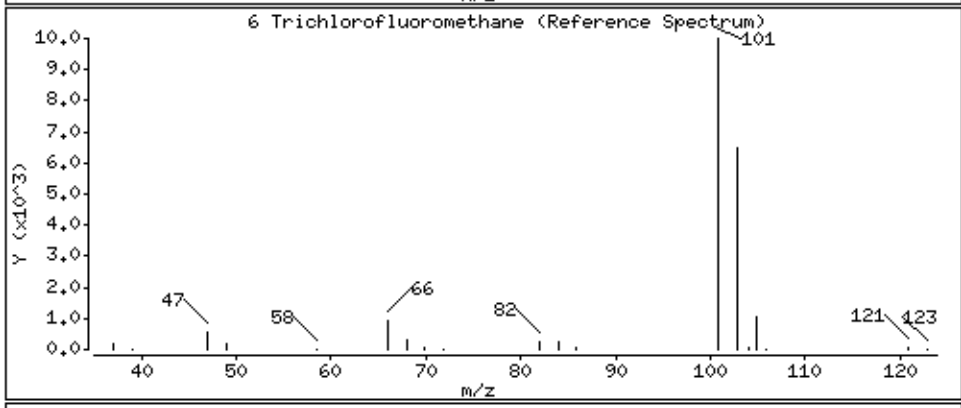
Column diameter: 0.18

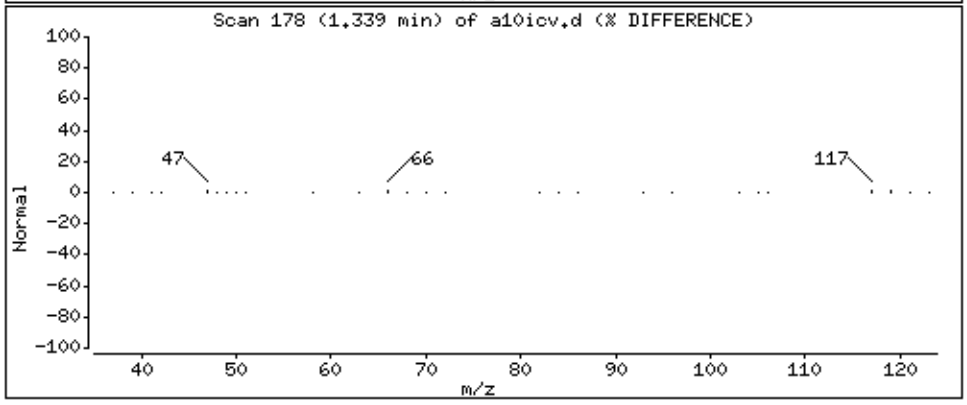
6 Trichlorofluoromethane

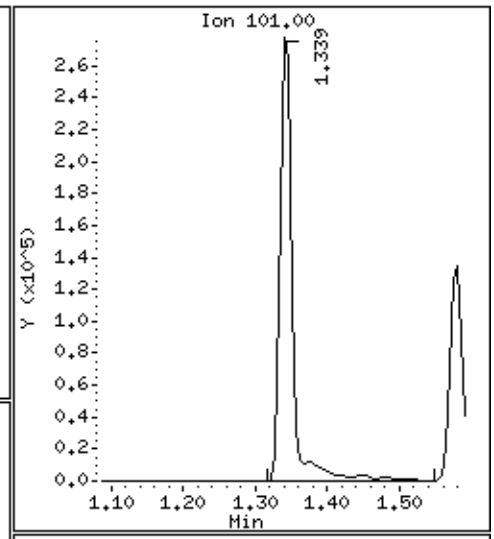
Concentration: 52.9 ppb

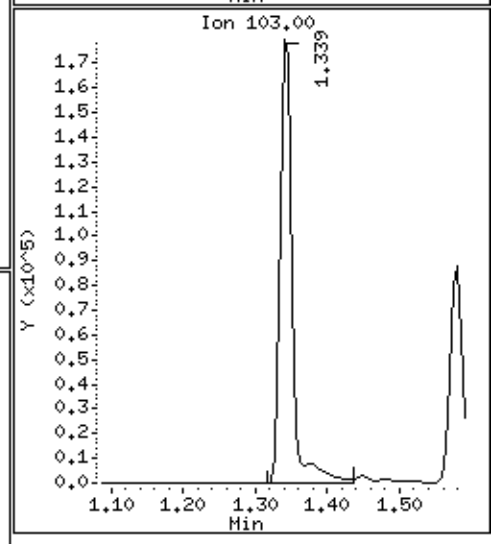












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Page 11

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

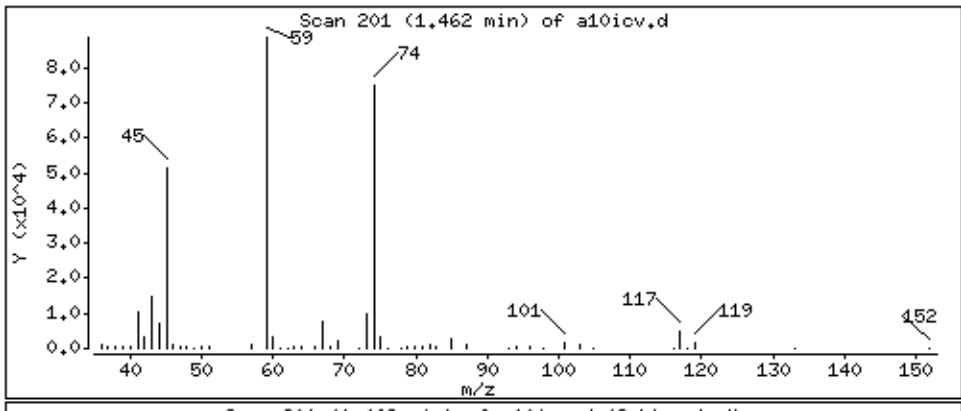
Operator: ala

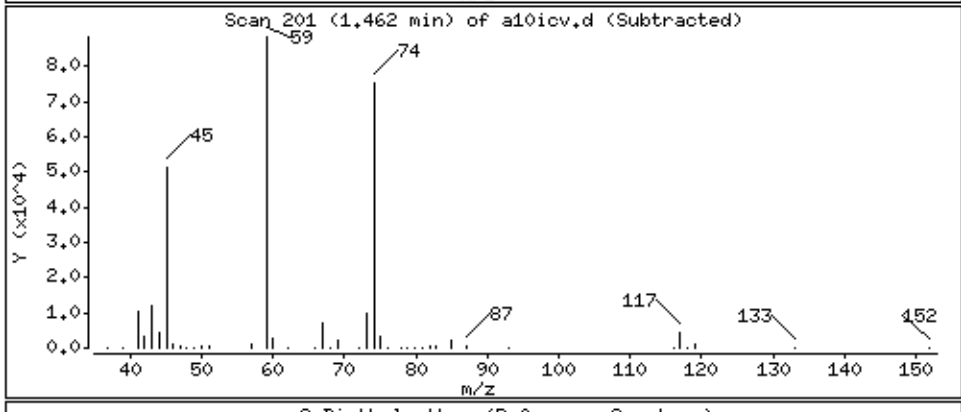
Column phase: DB-624

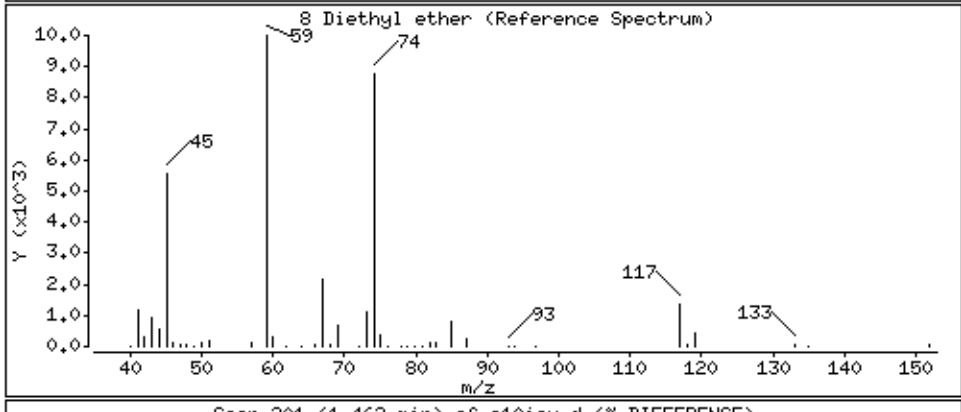
Column diameter: 0.18

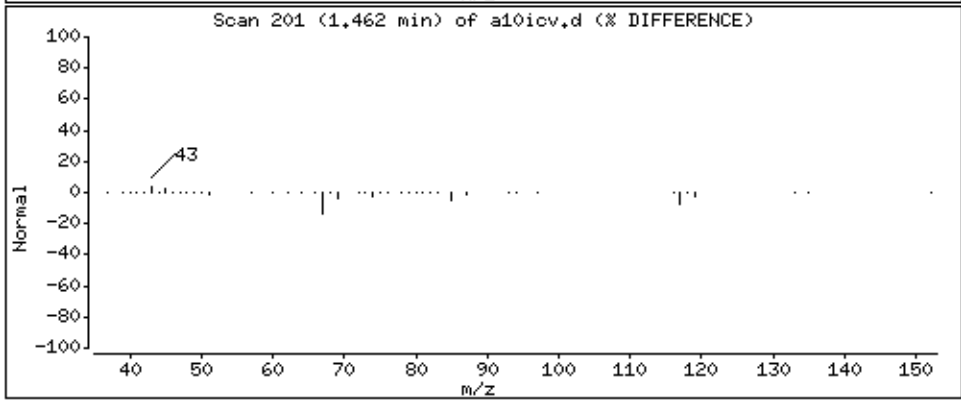
8 Diethyl ether

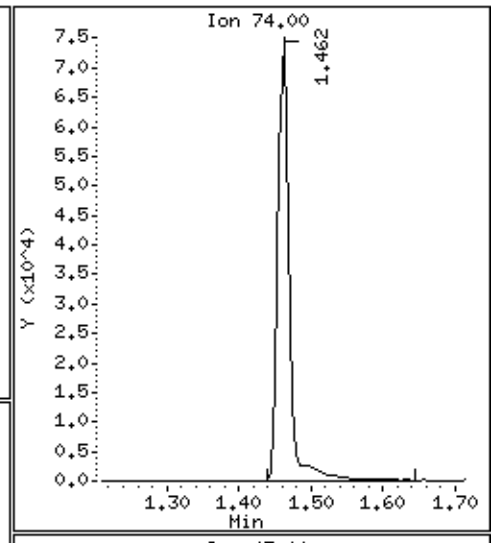
Concentration: 49.8 ppb

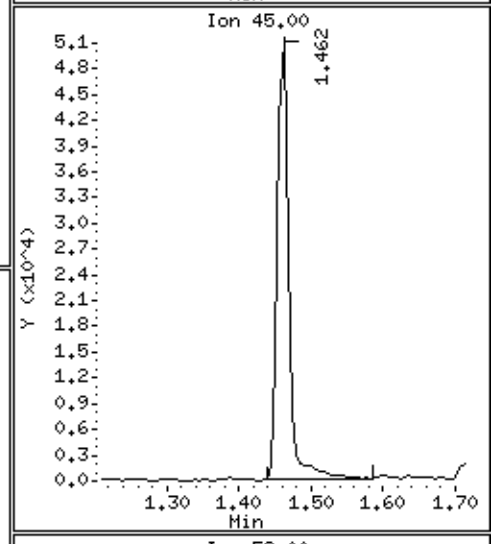


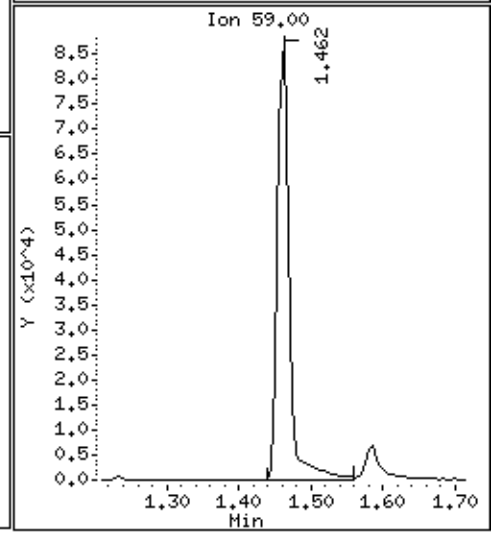












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

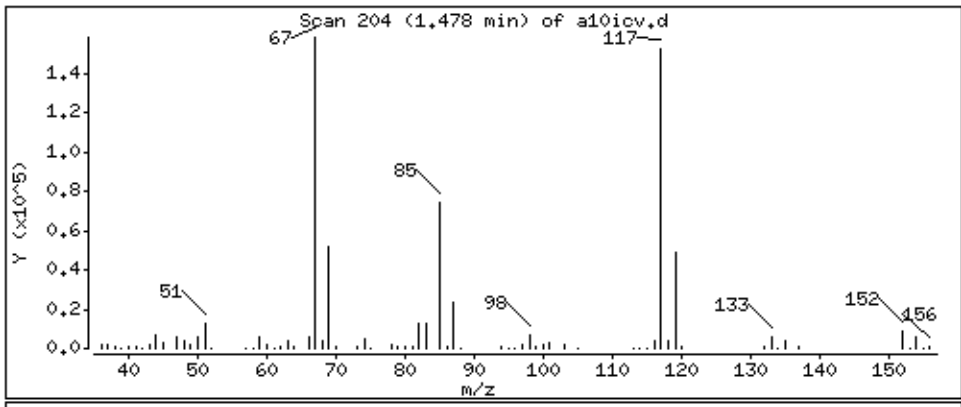
Operator: ala

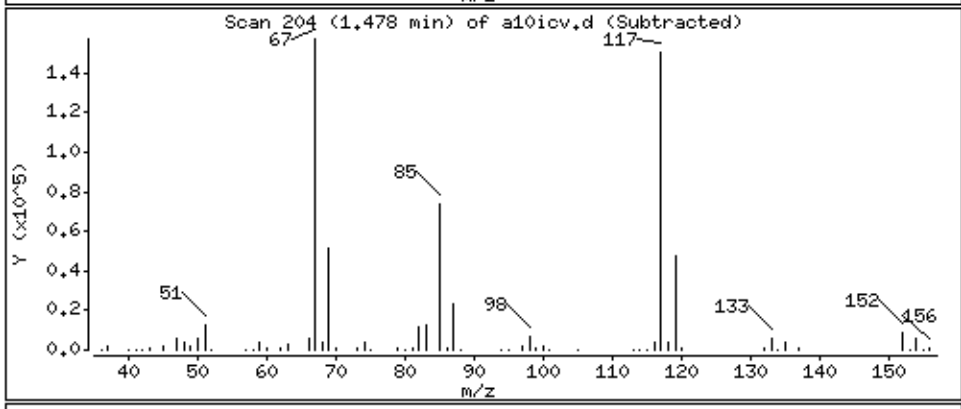
Column phase: DB-624

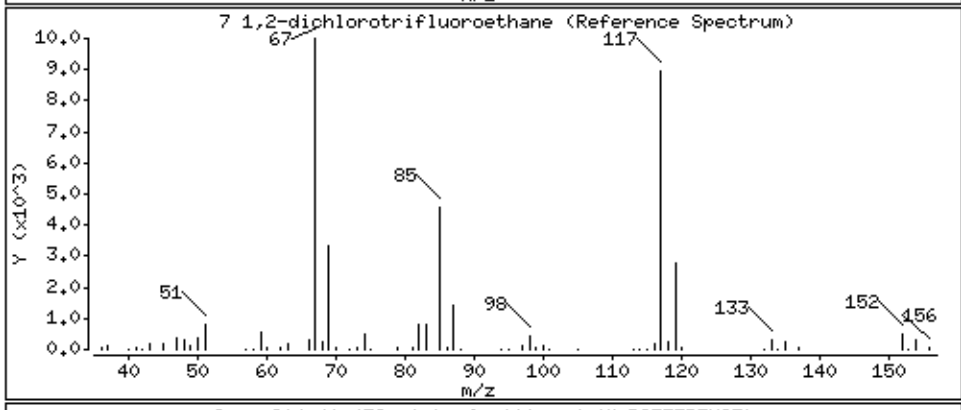
Column diameter: 0.18

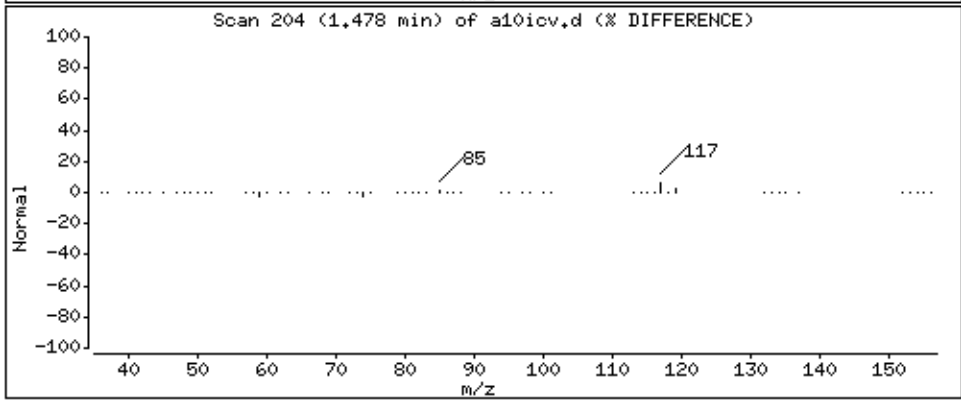
7 1,2-dichlorotrifluoroethane

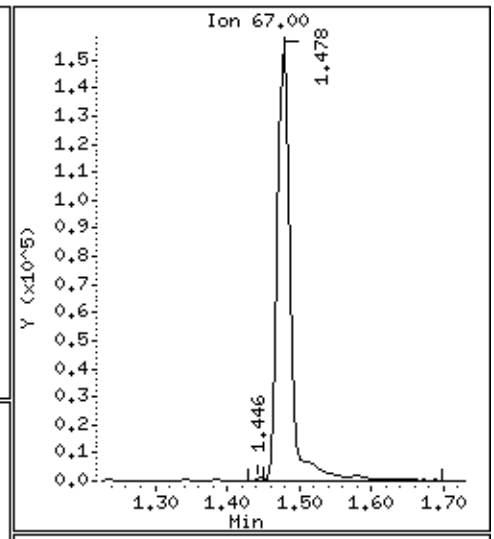
Concentration: 45.9 ppb

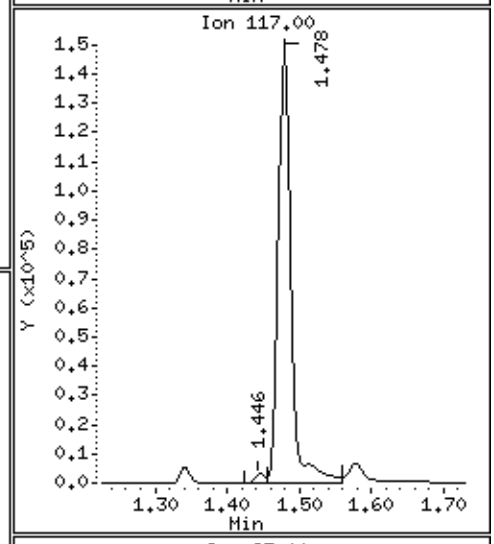


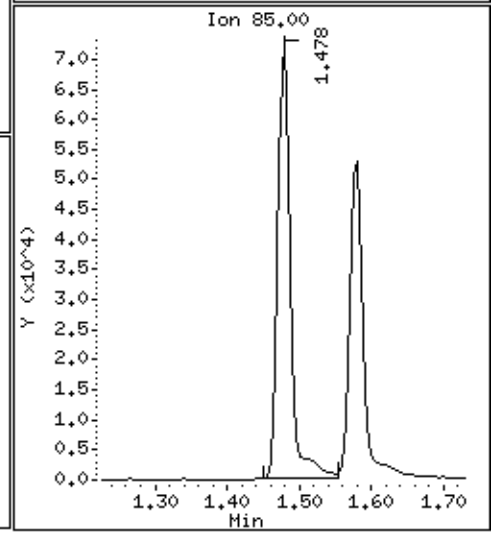












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

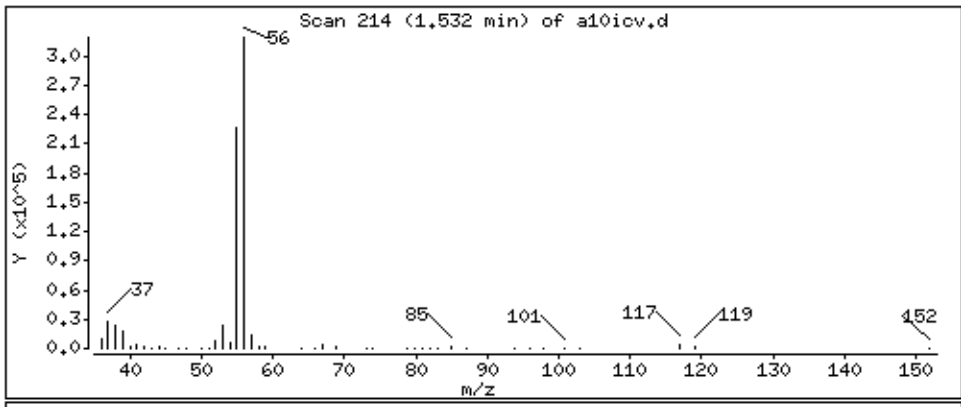
Operator: ala

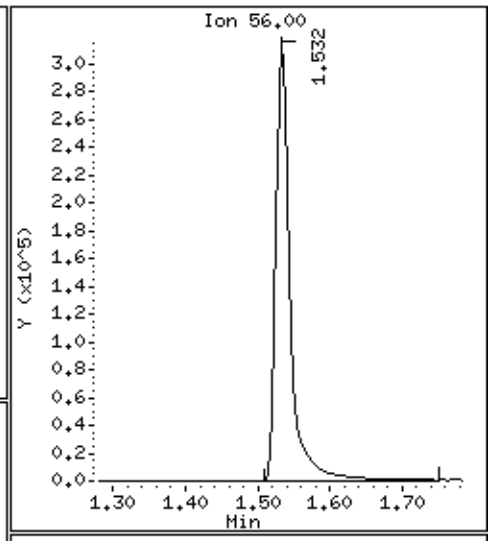
Column phase: DB-624

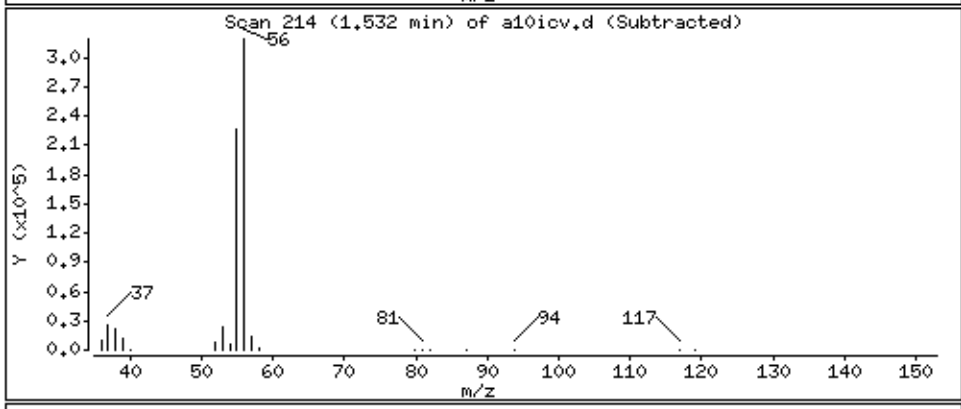
Column diameter: 0.18

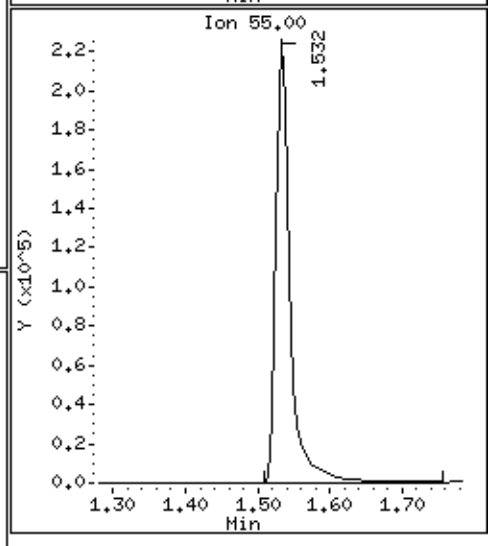
9 Acrolein

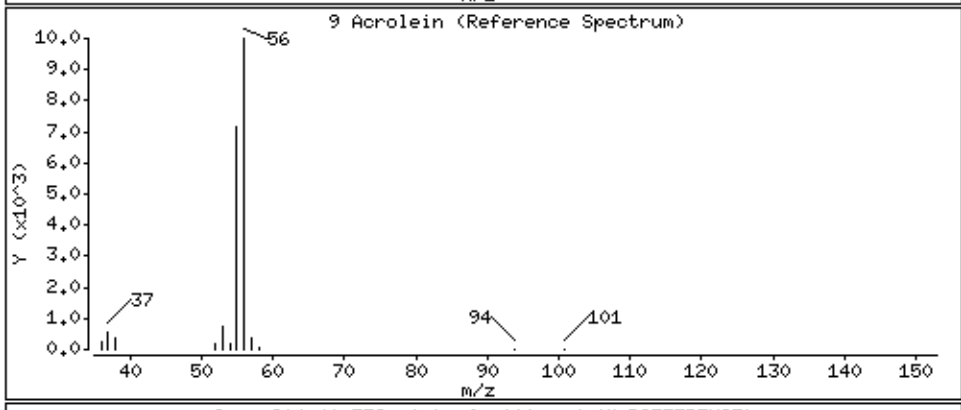
Concentration: 1420 ppb

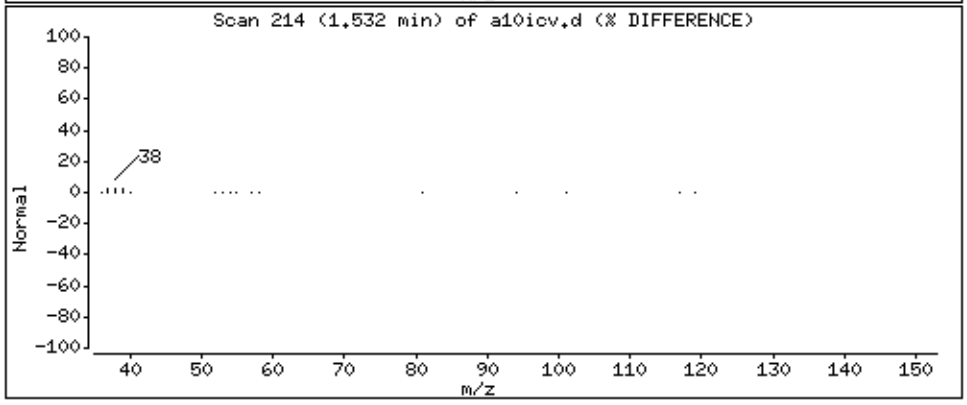












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

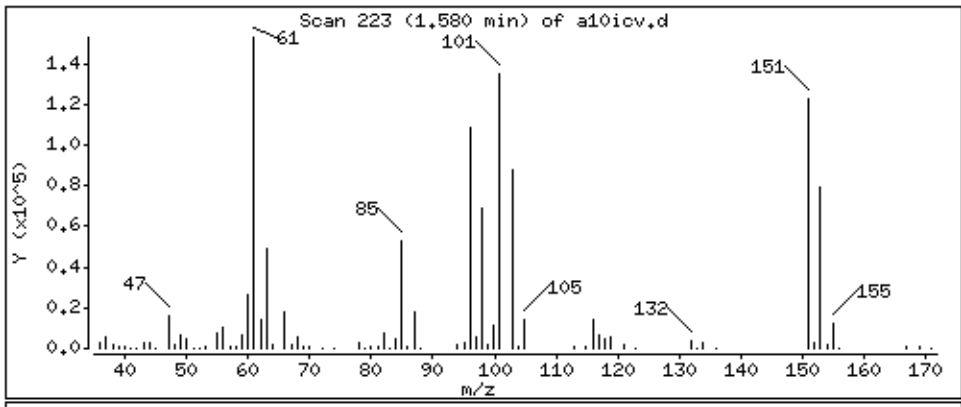
Operator: ala

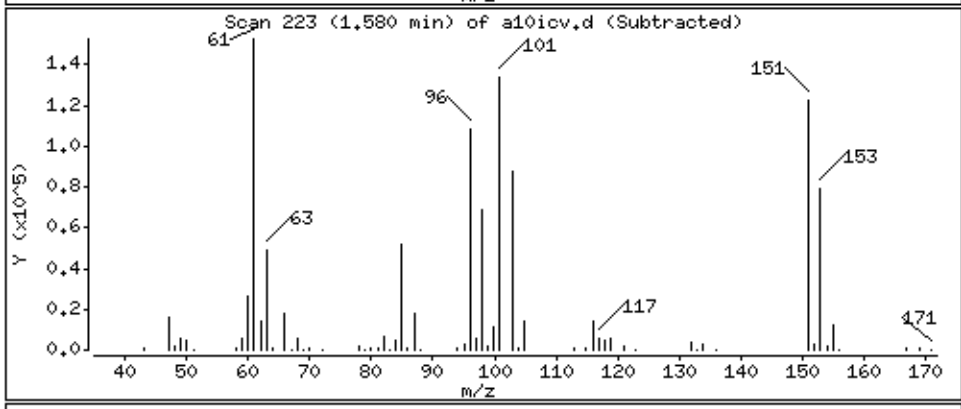
Column phase: DB-624

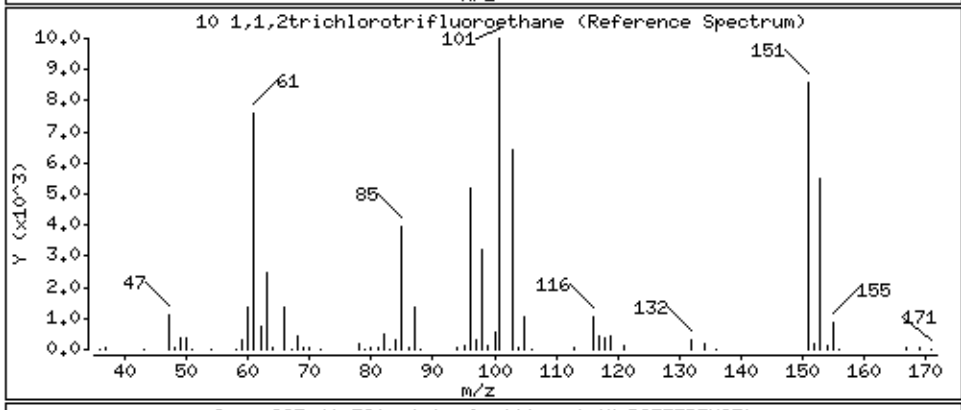
Column diameter: 0.18

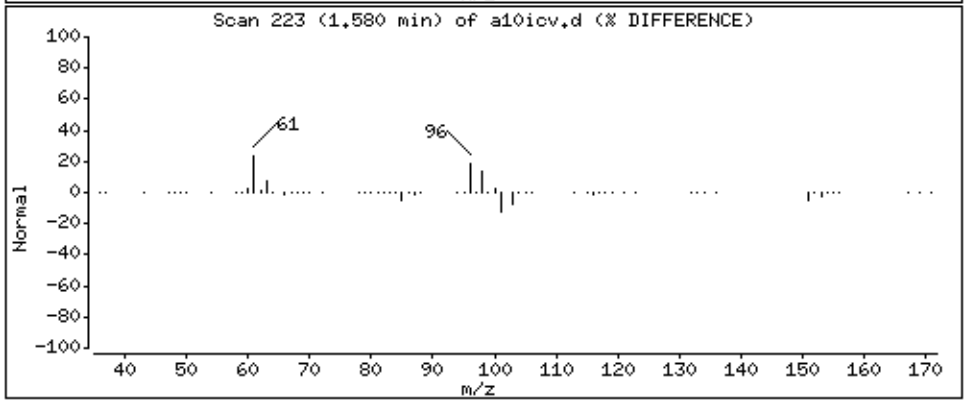
10 1,1,2trichlorotrifluoroethane

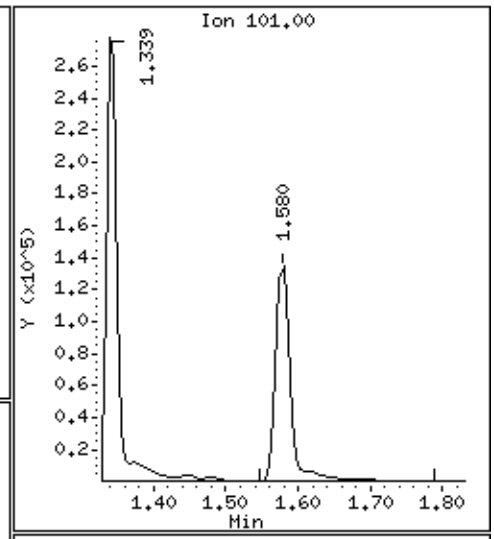
Concentration: 51.2 ppb

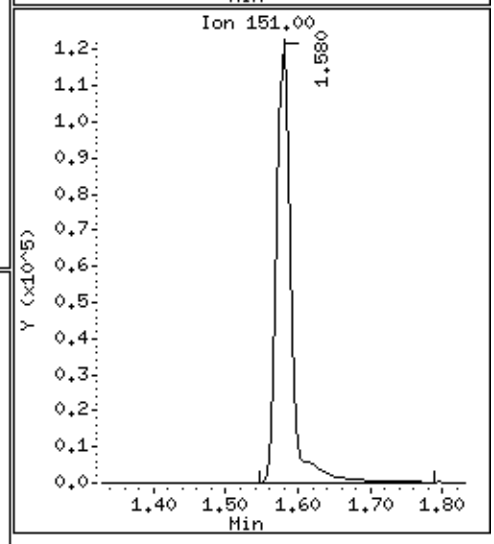












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

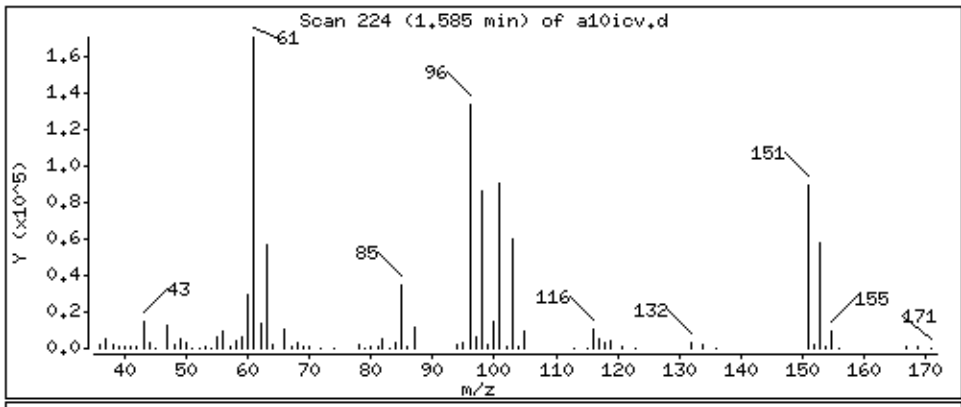
Operator: ala

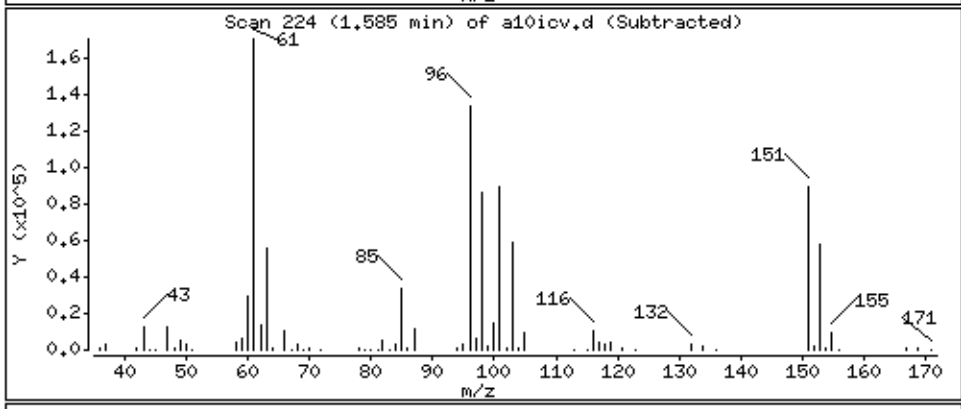
Column phase: DB-624

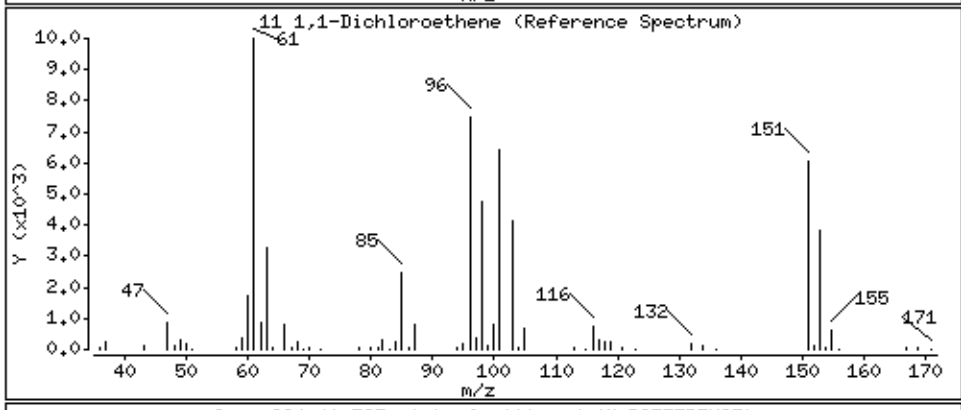
Column diameter: 0.18

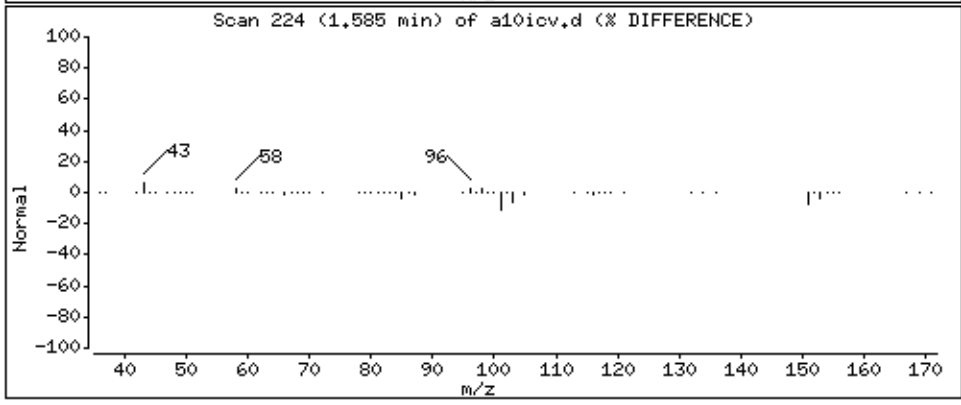
11 1,1-Dichloroethene

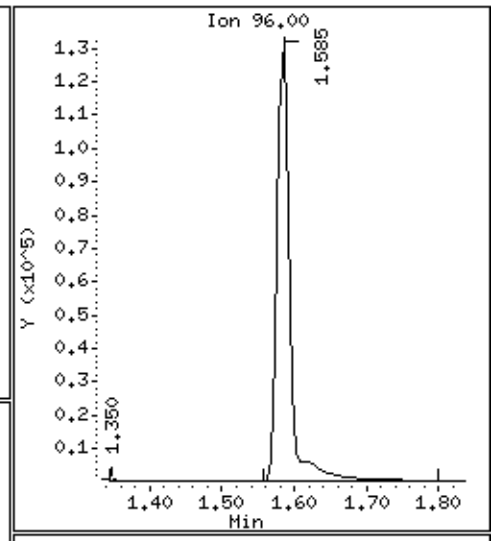
Concentration: 46.1 ppb

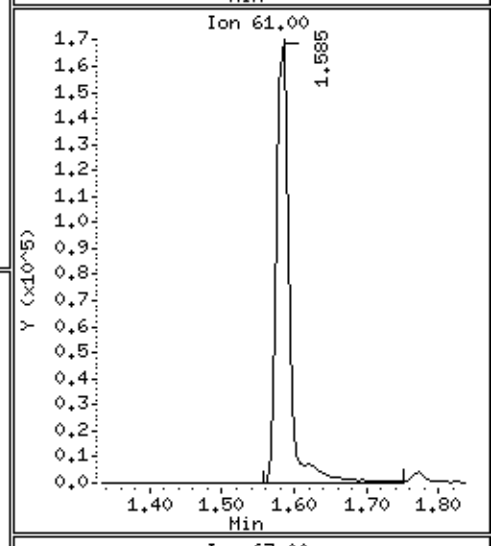


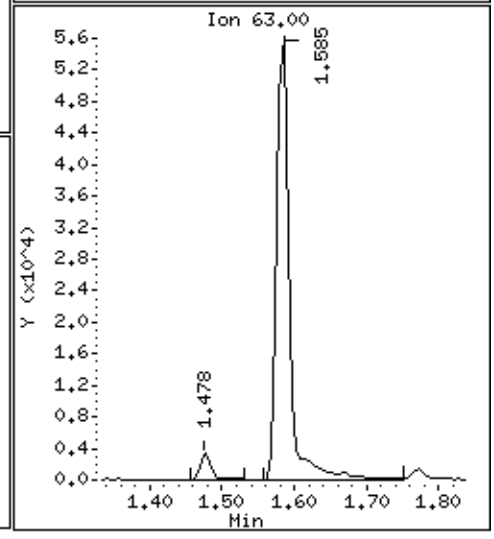












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

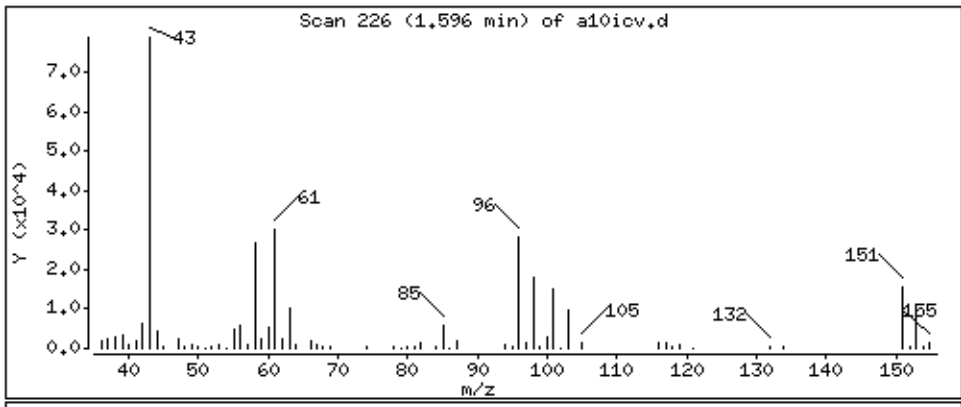
Operator: ala

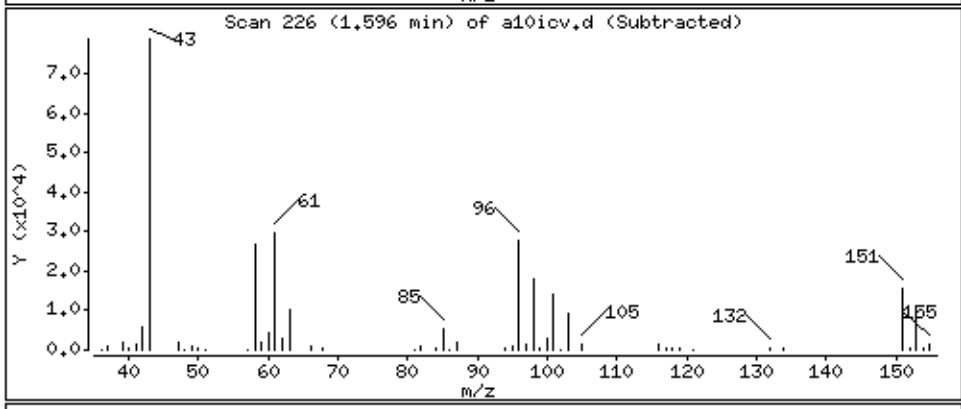
Column phase: DB-624

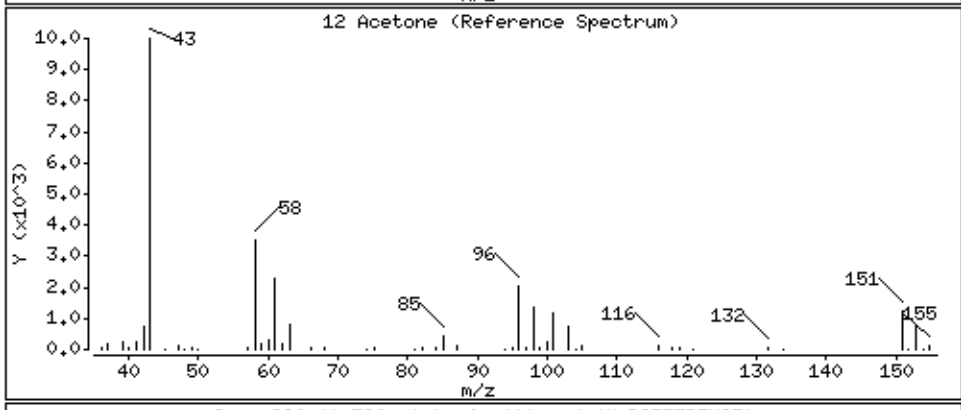
Column diameter: 0.18

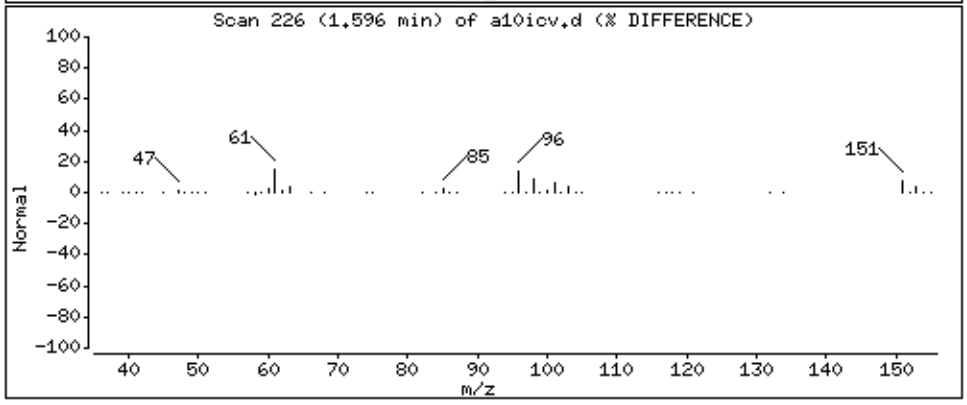
12 Acetone

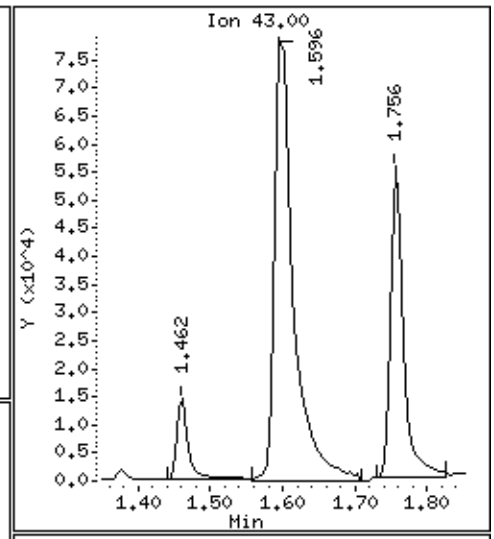
Concentration: 281 ppb

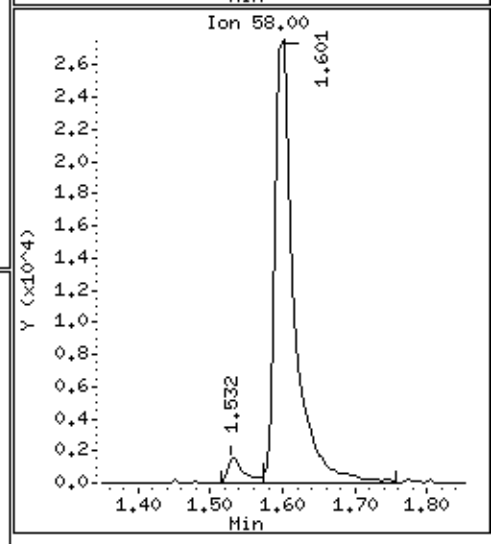












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

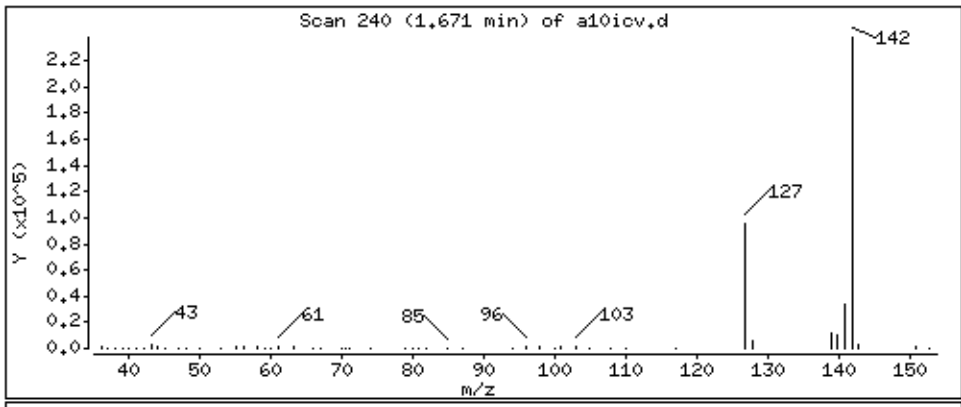
Operator: ala

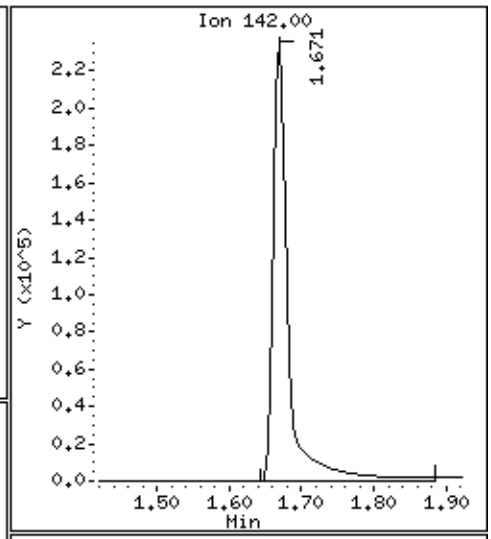
Column phase: DB-624

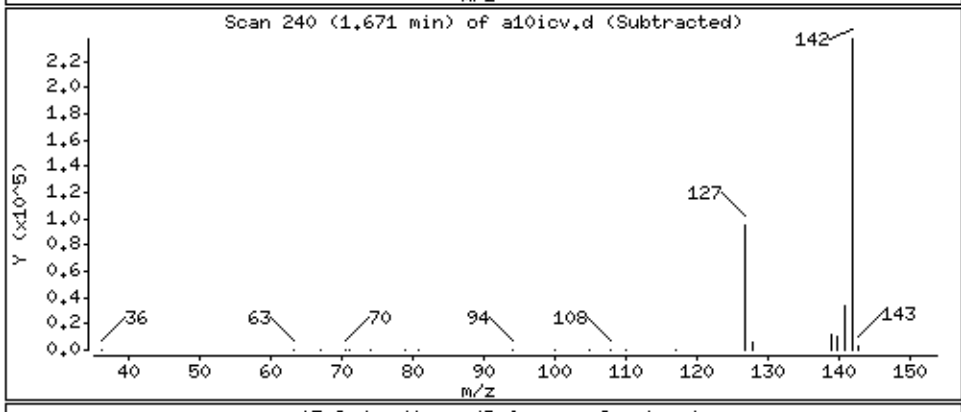
Column diameter: 0.18

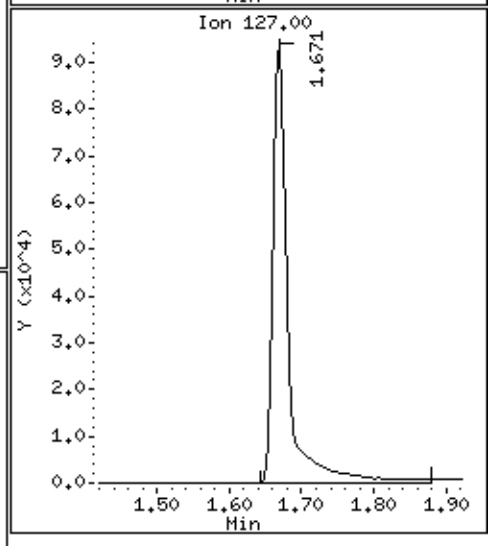
13 Iodomethane

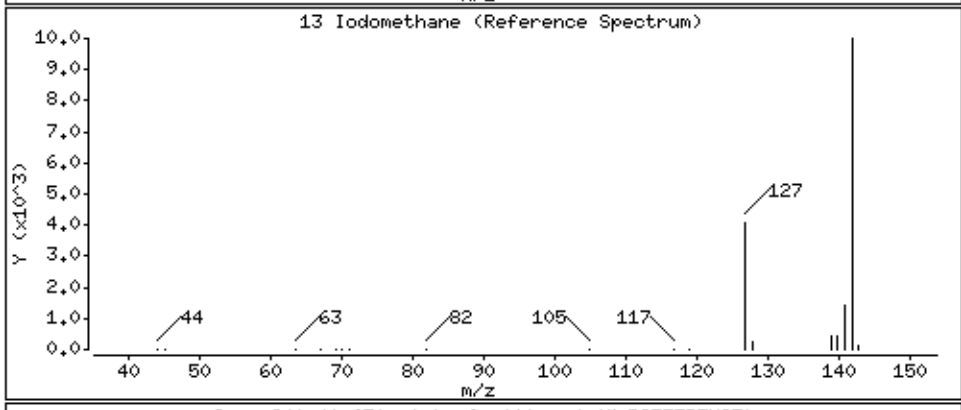
Concentration: 85.1 ppb

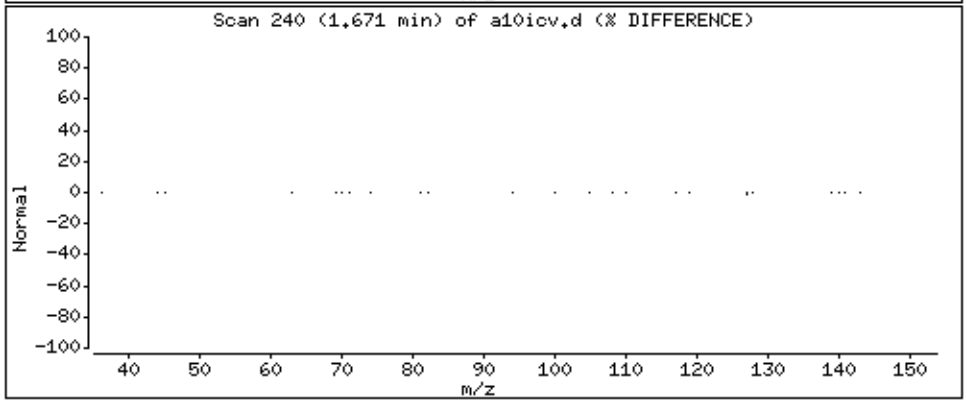












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

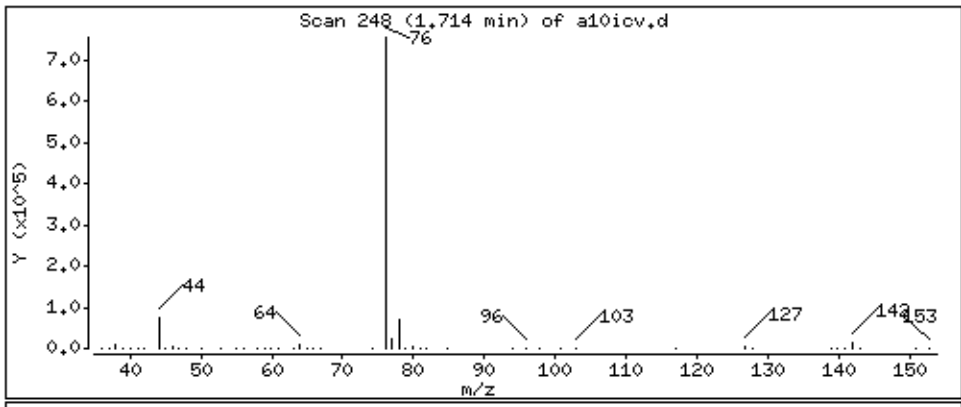
Operator: ala

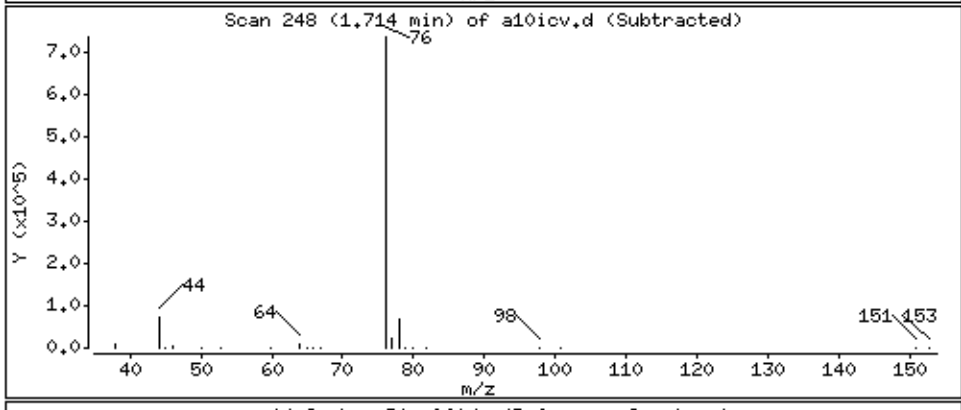
Column phase: DB-624

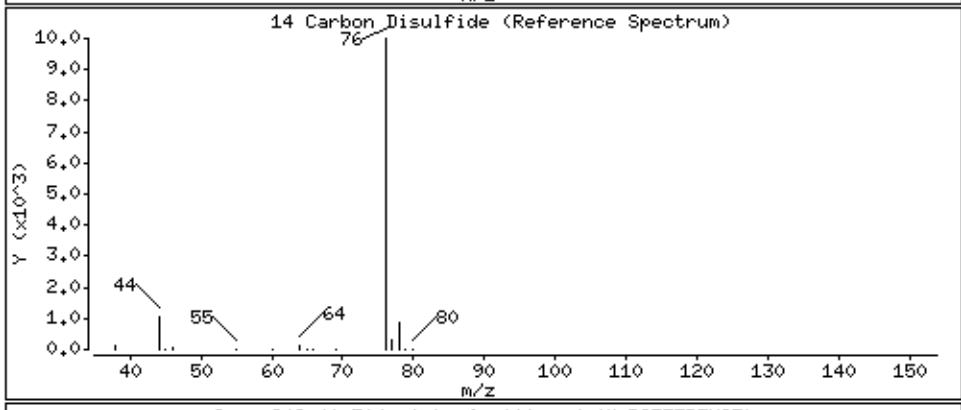
Column diameter: 0.18

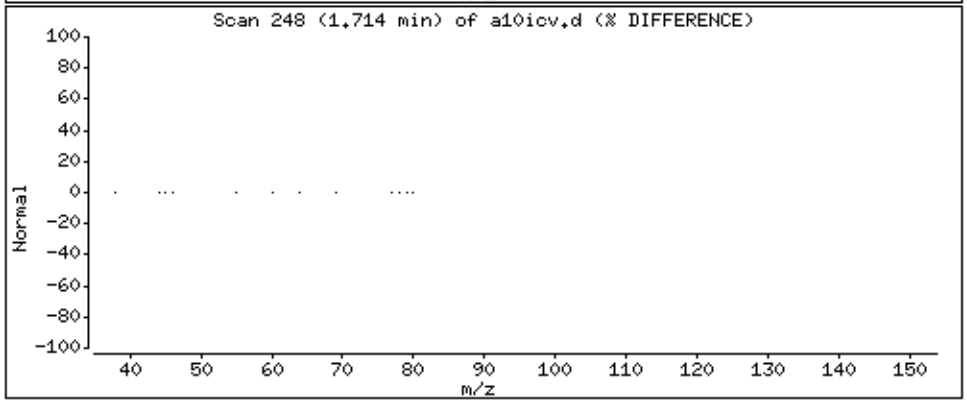
14 Carbon Disulfide

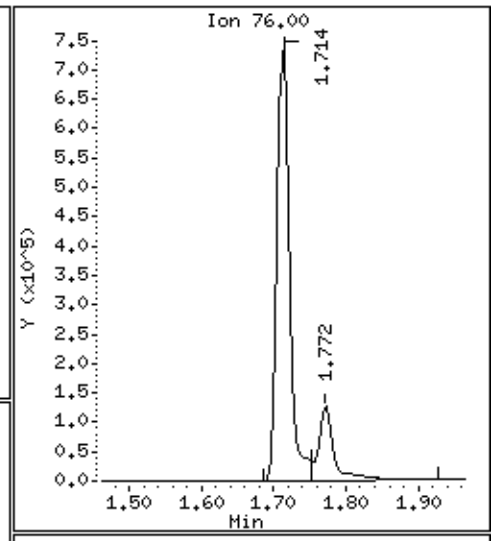
Concentration: 99.9 ppb

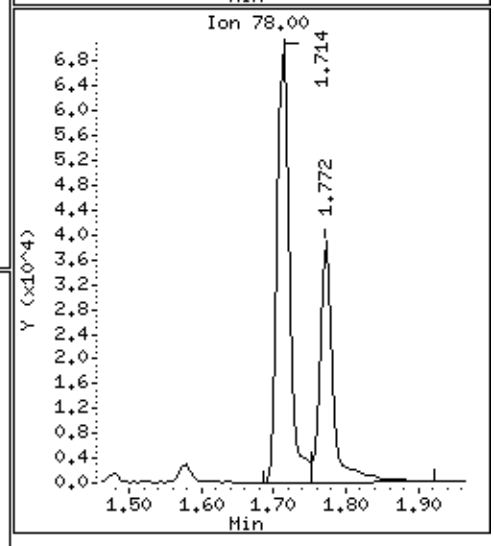












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

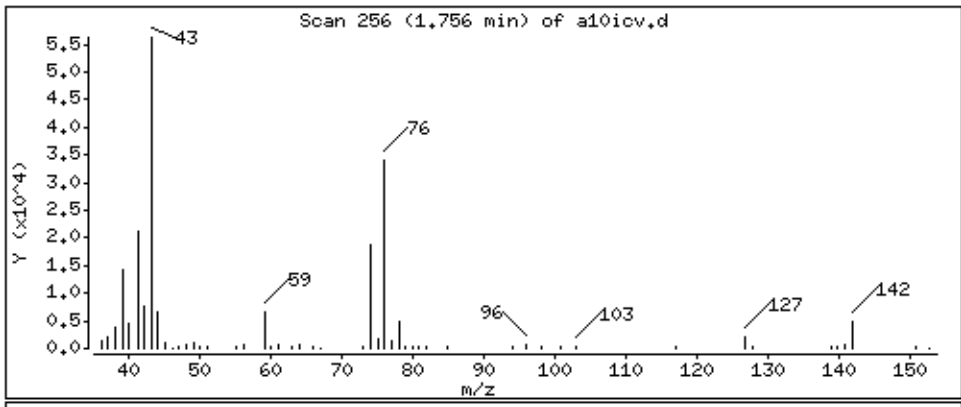
Operator: ala

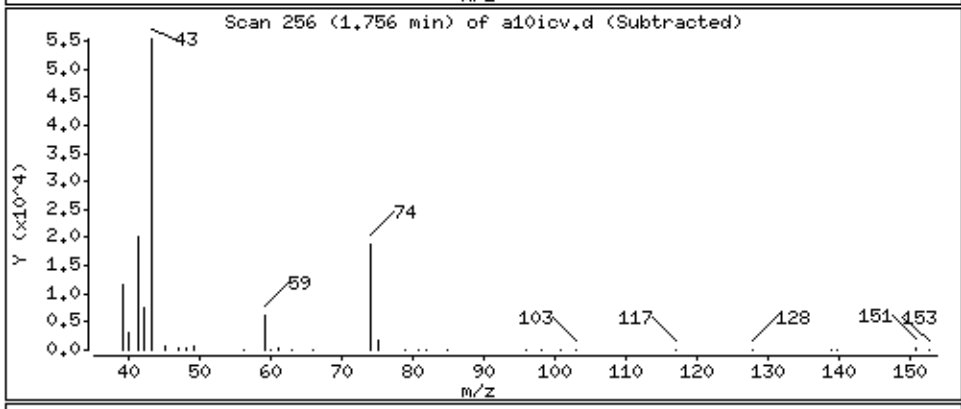
Column phase: DB-624

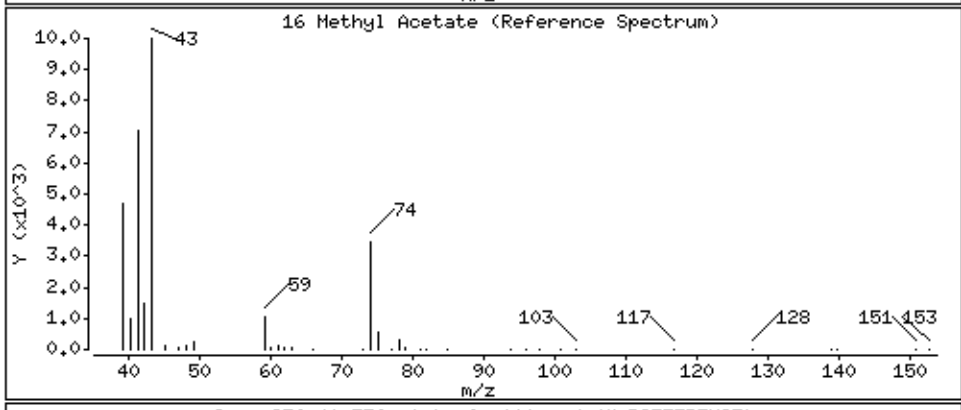
Column diameter: 0.18

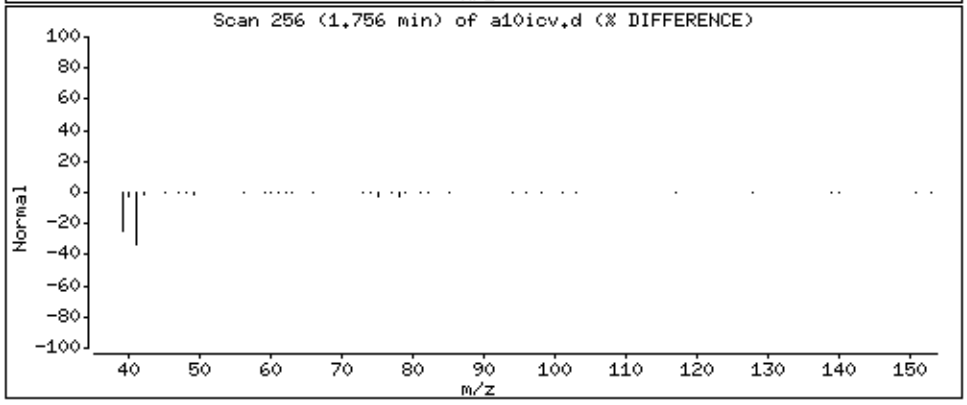
16 Methyl Acetate

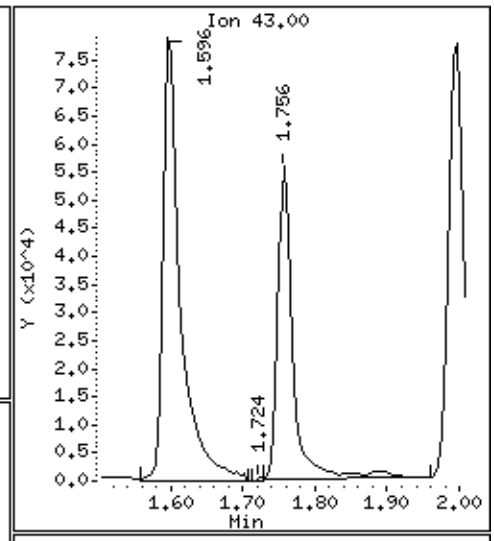
Concentration: 51.8 ppb

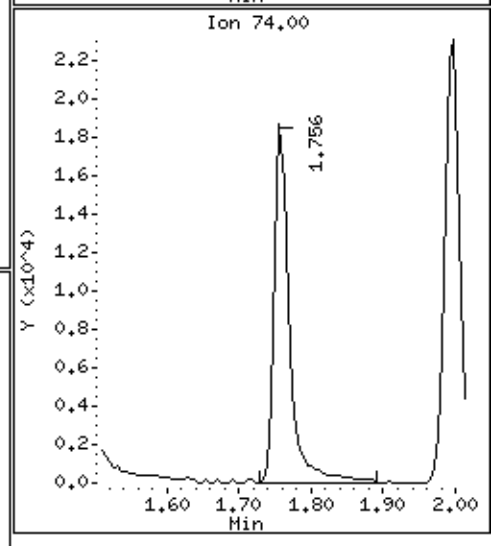












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

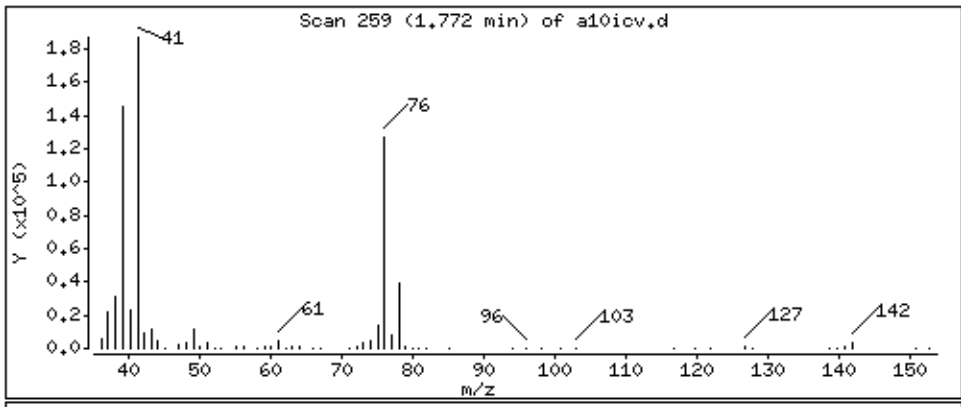
Operator: ala

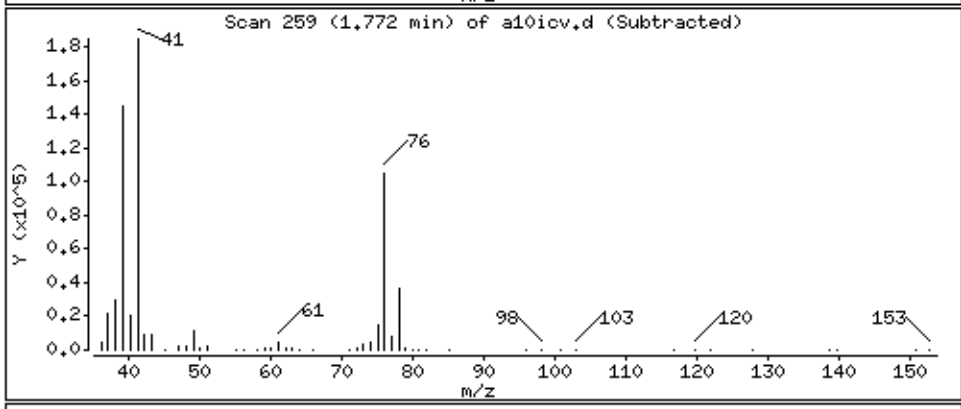
Column phase: DB-624

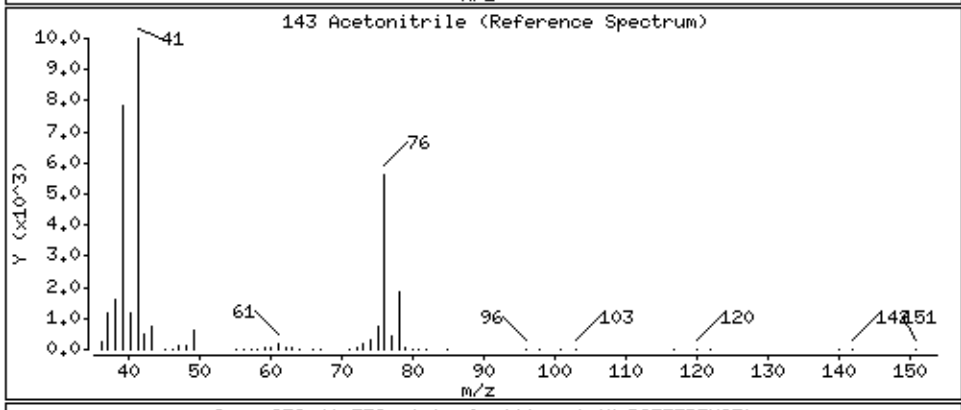
Column diameter: 0.18

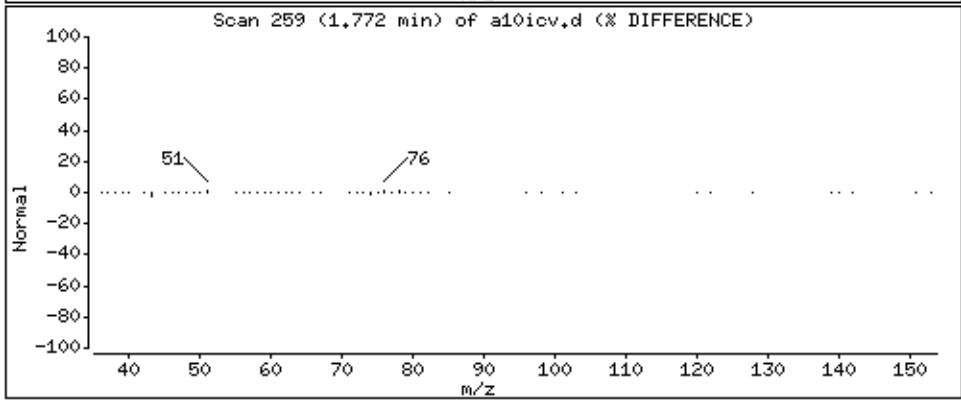
143 Acetonitrile

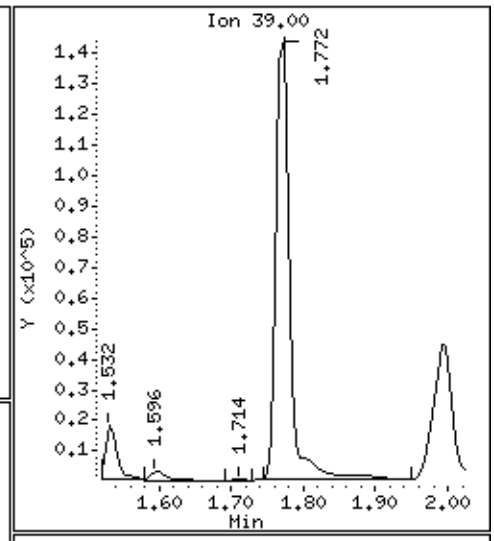
Concentration: 42.2 ppb

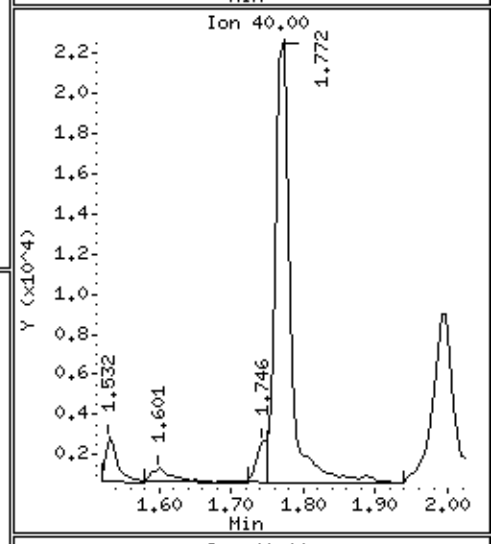


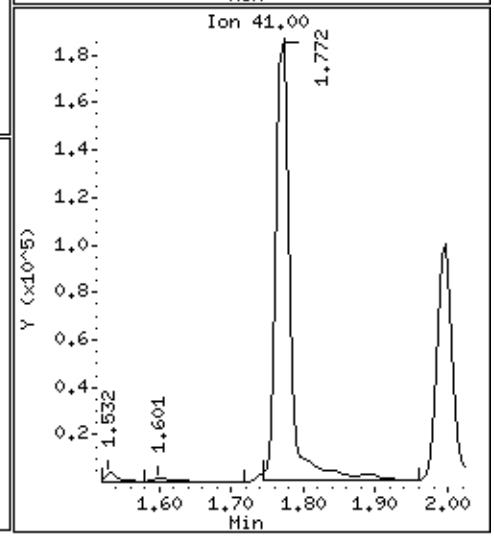












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

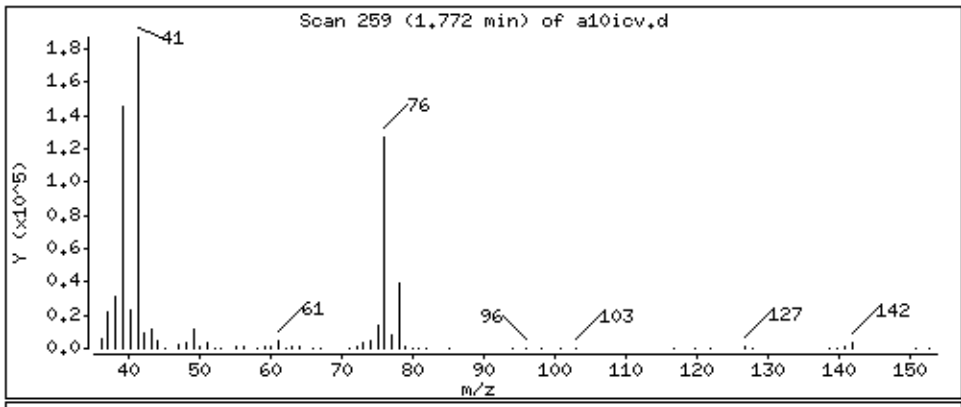
Operator: ala

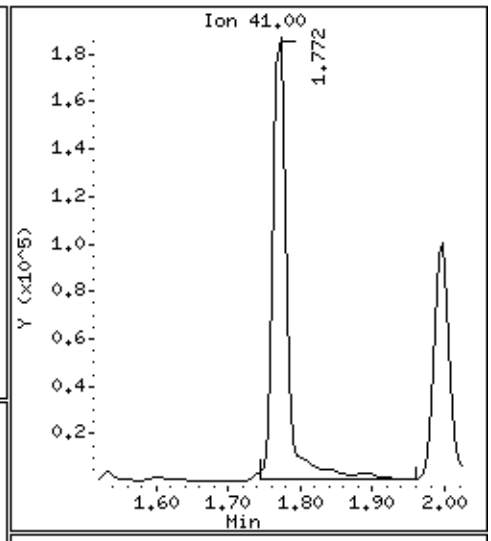
Column phase: DB-624

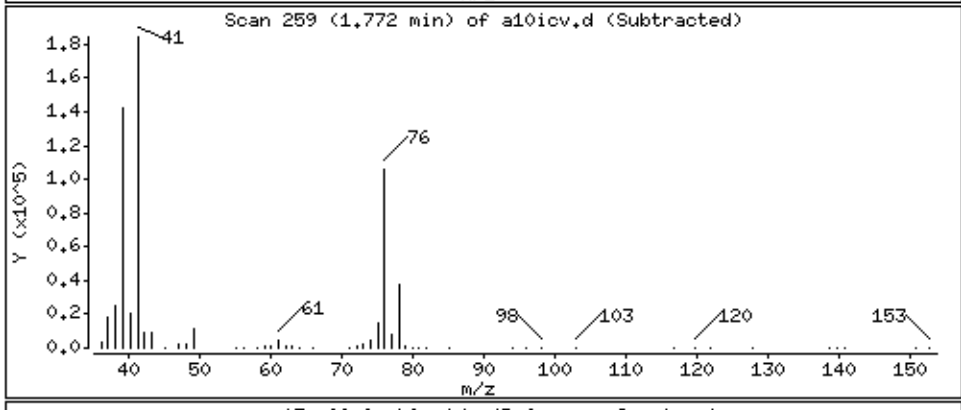
Column diameter: 0.18

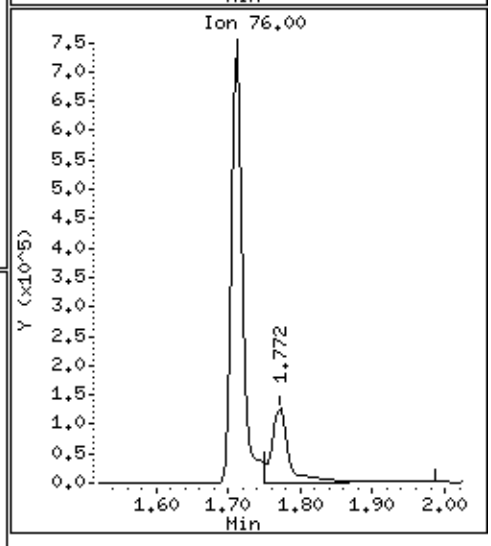
15 allyl chloride

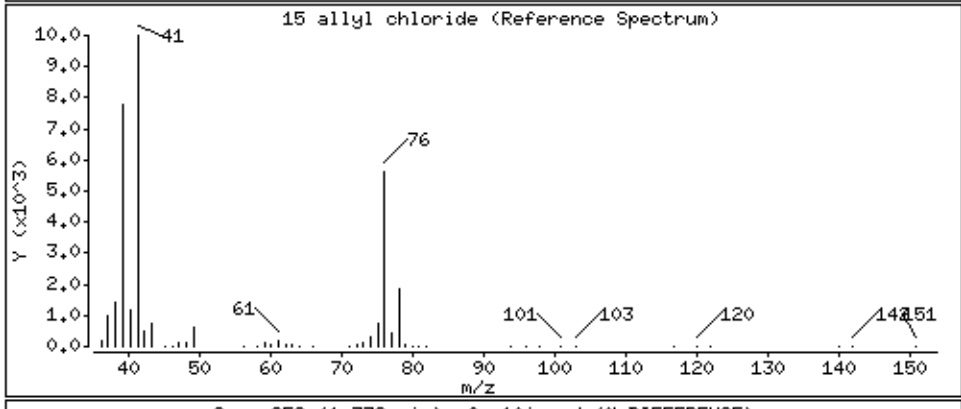
Concentration: 85.5 ppb

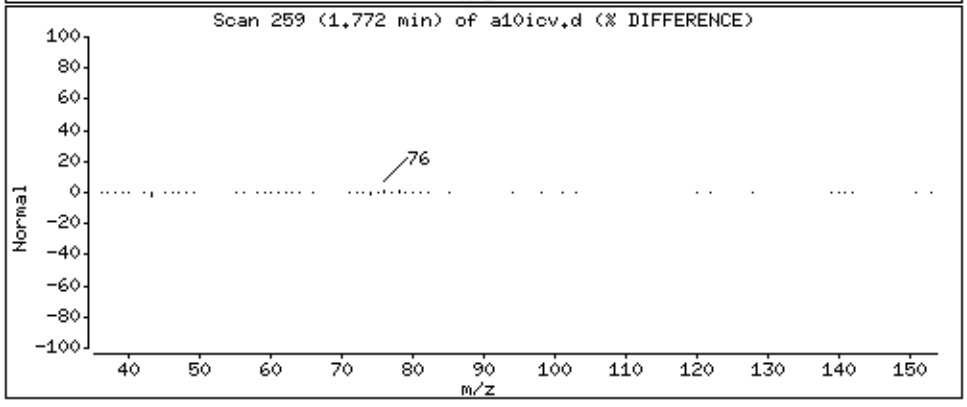












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

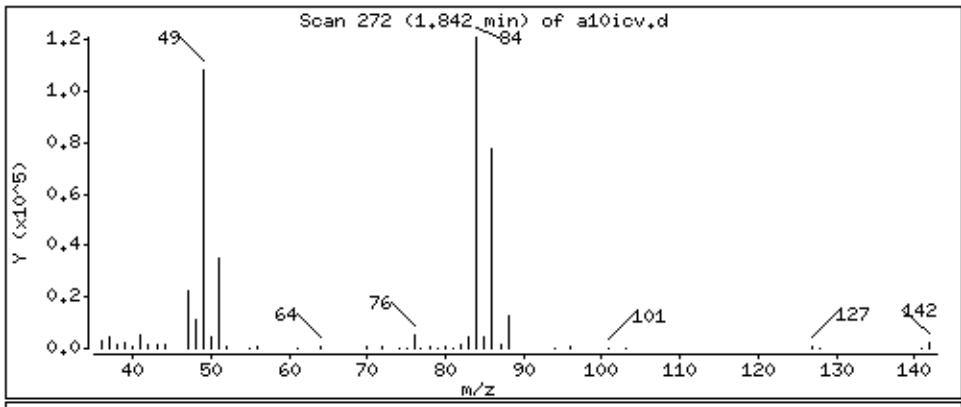
Operator: ala

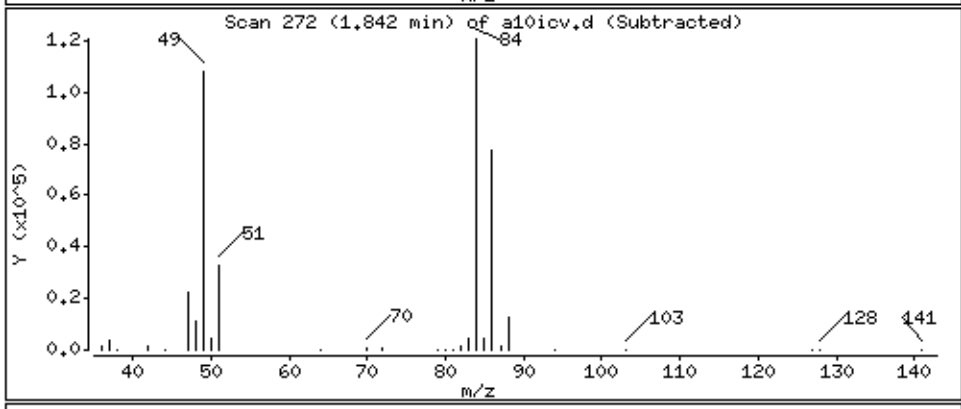
Column phase: DB-624

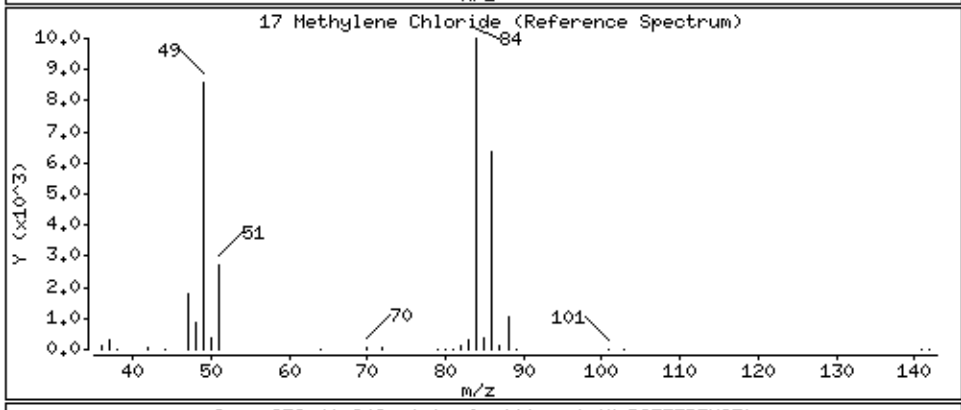
Column diameter: 0.18

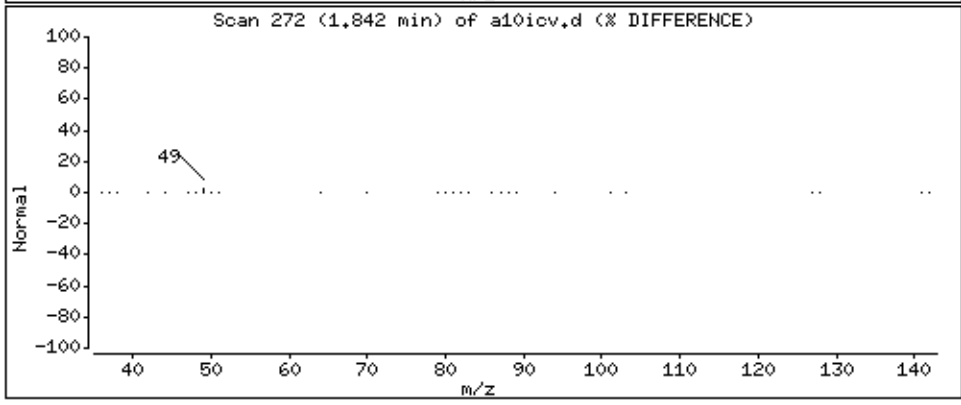
17 Methylene Chloride

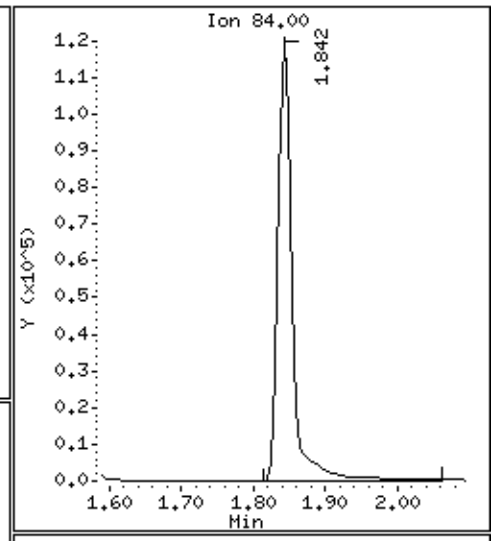
Concentration: 48.2 ppb

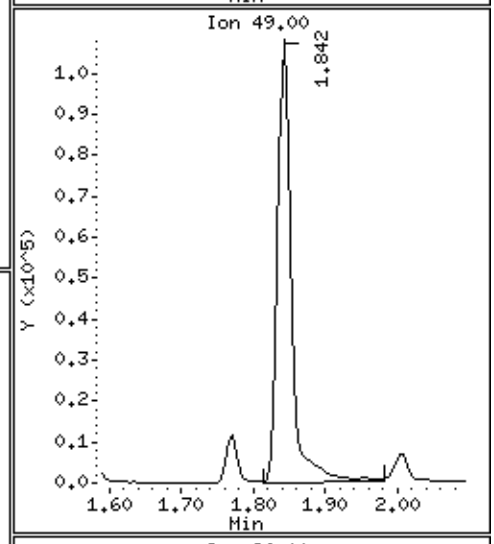


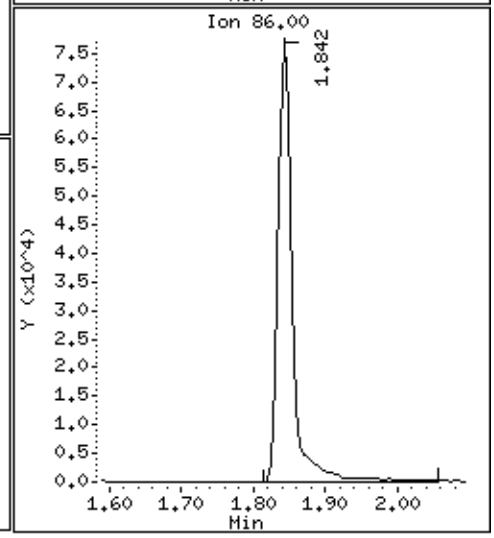












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

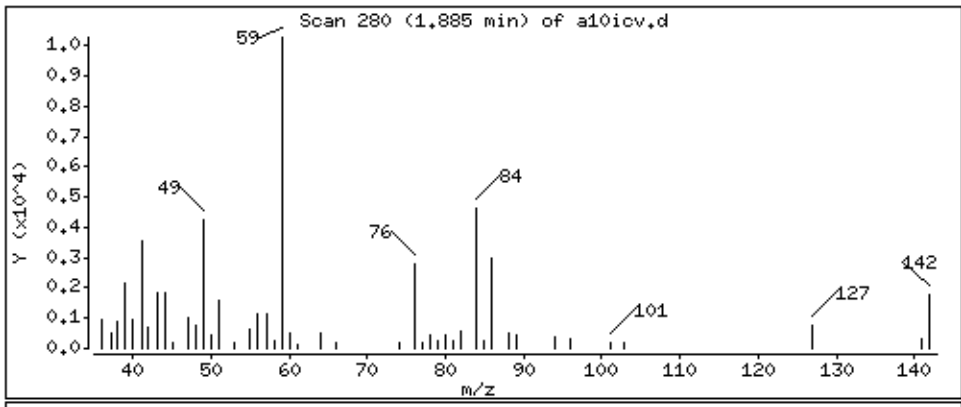
Operator: ala

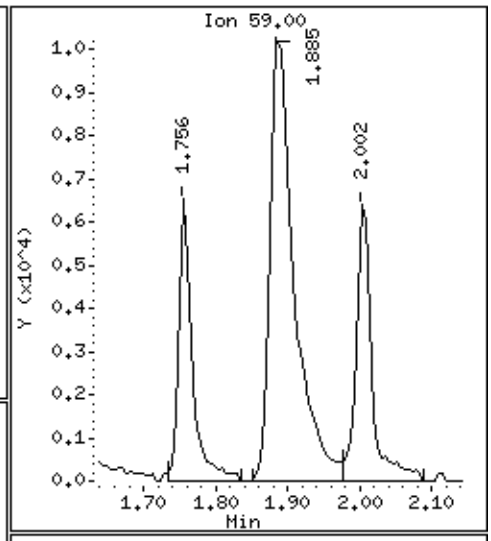
Column phase: DB-624

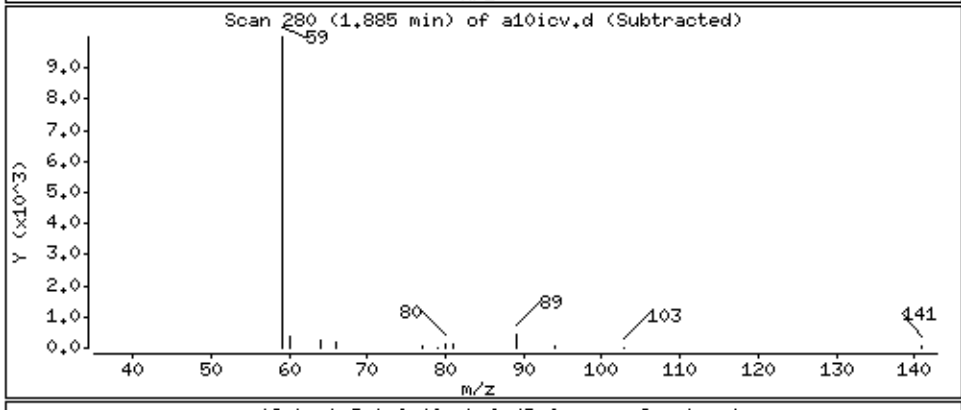
Column diameter: 0.18

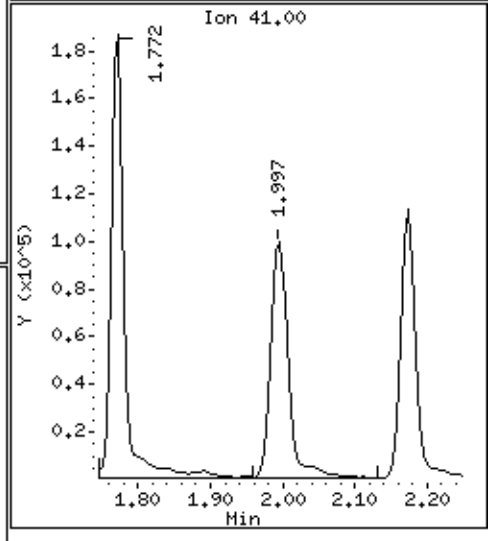
18 tert-Butyl Alcohol

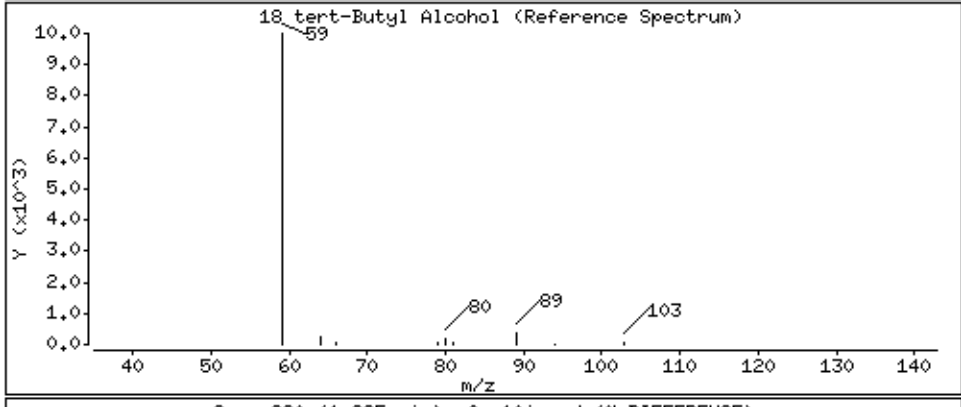
Concentration: 96.1 ppb

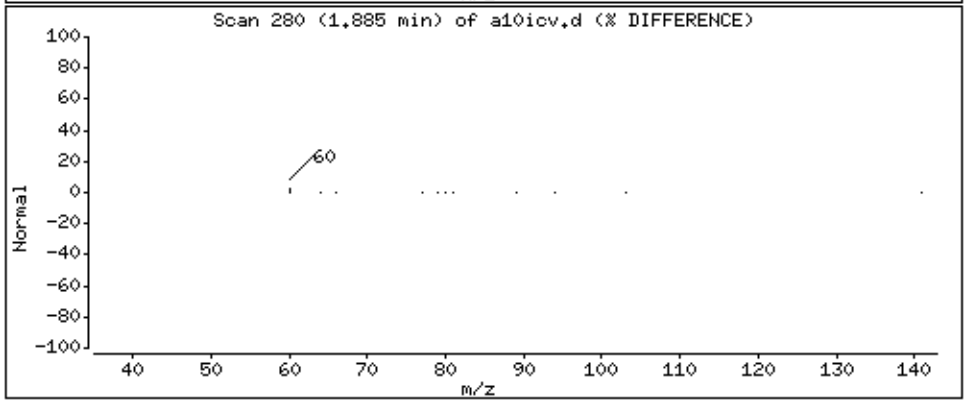












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

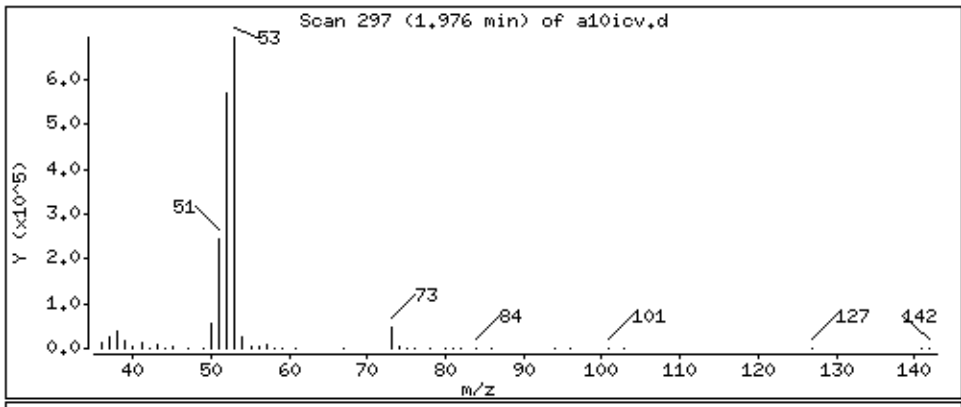
Operator: ala

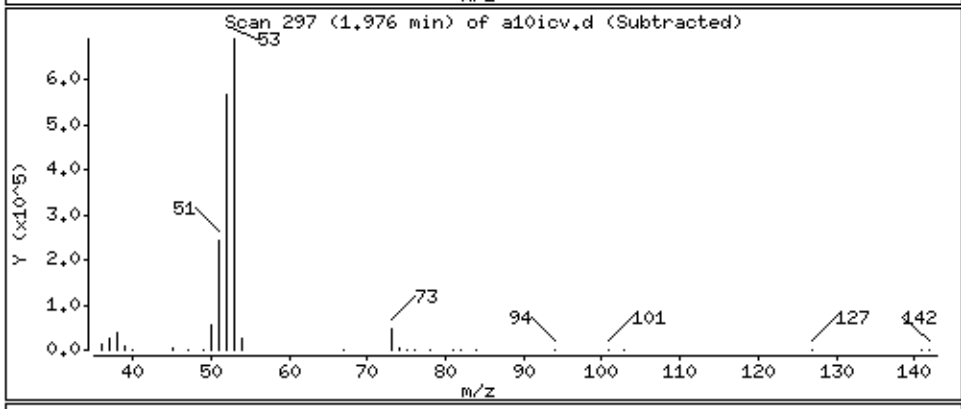
Column phase: DB-624

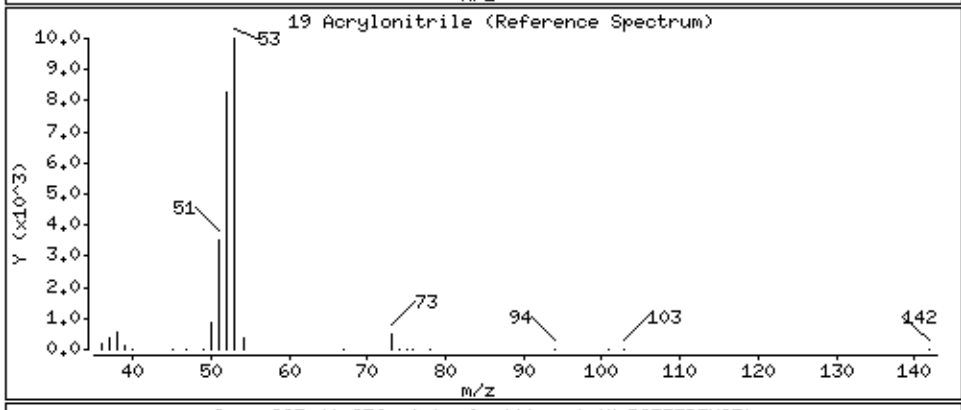
Column diameter: 0.18

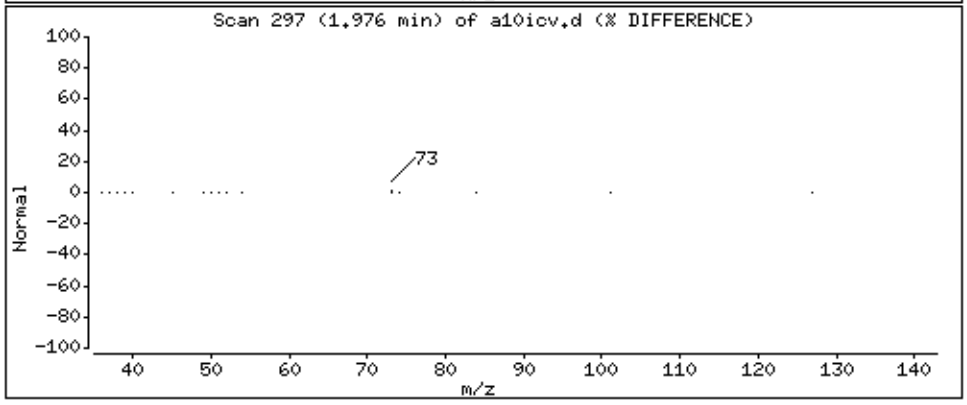
19 Acrylonitrile

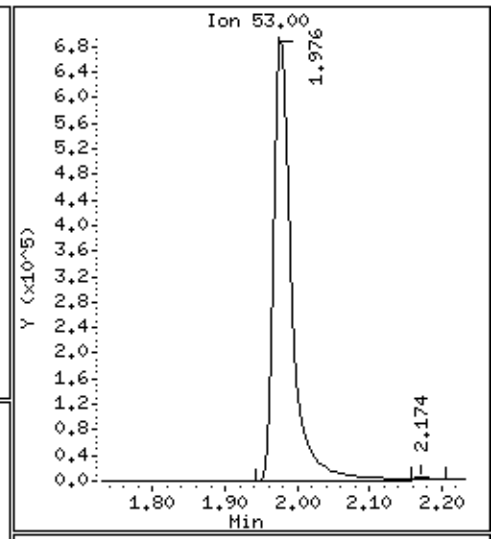
Concentration: 840 ppb

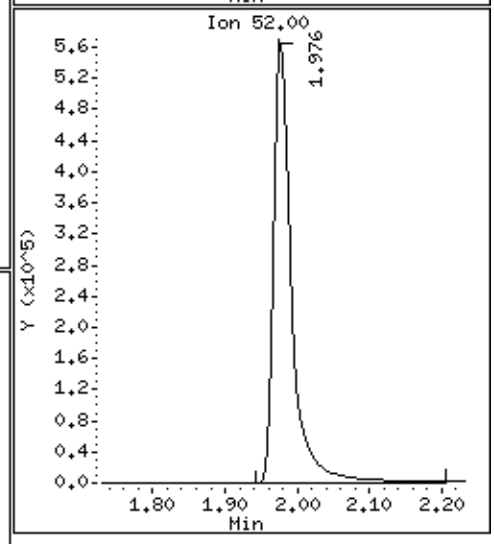












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

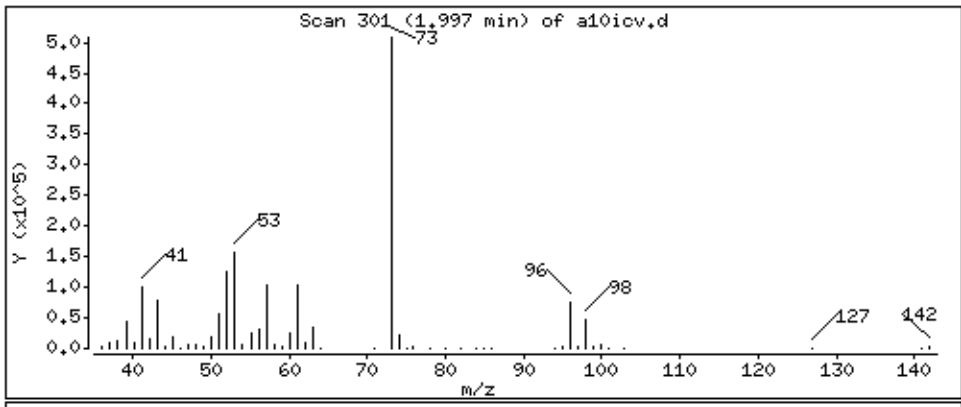
Operator: ala

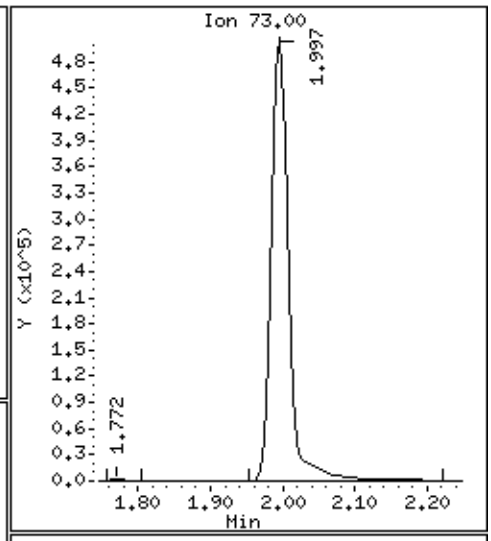
Column phase: DB-624

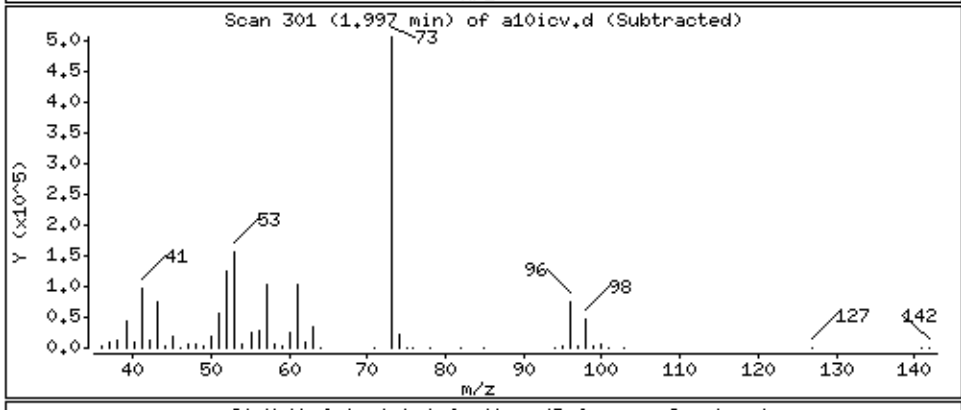
Column diameter: 0.18

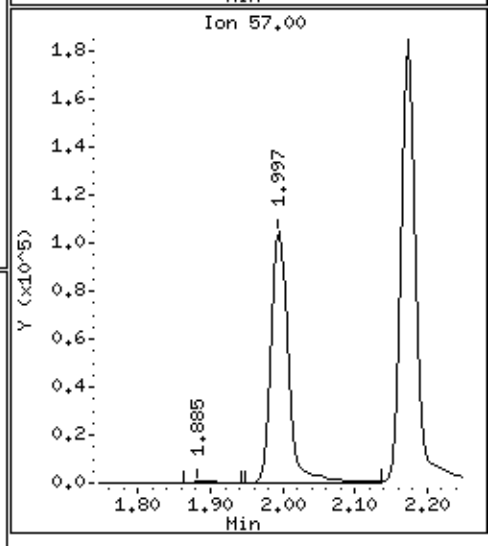
20 Methyl-tert-butyl ether

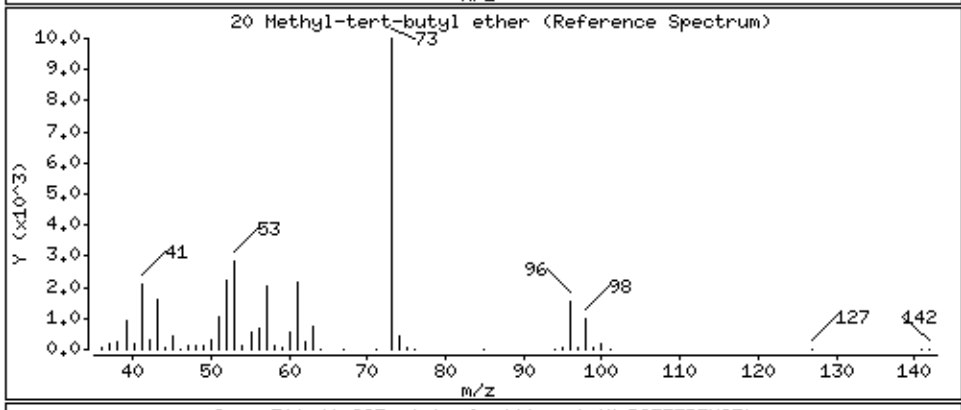
Concentration: 106 ppb

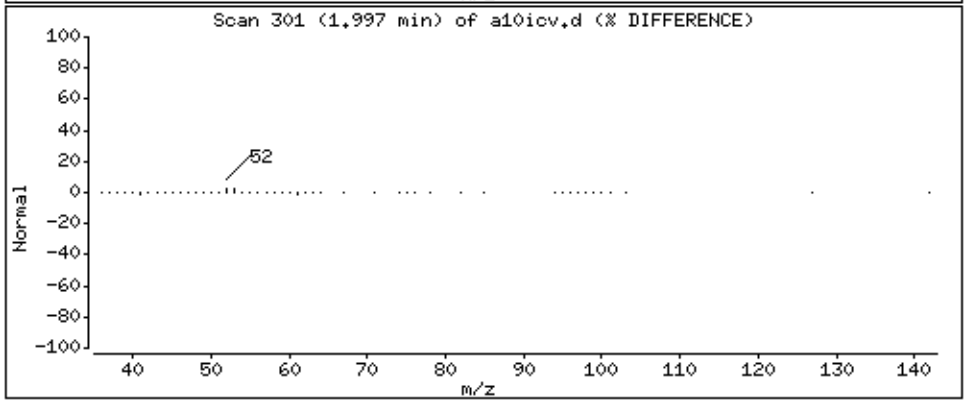












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

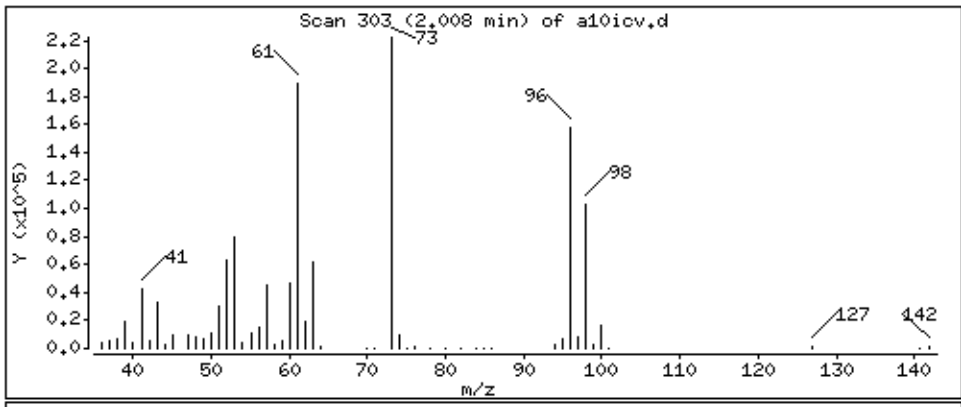
Operator: ala

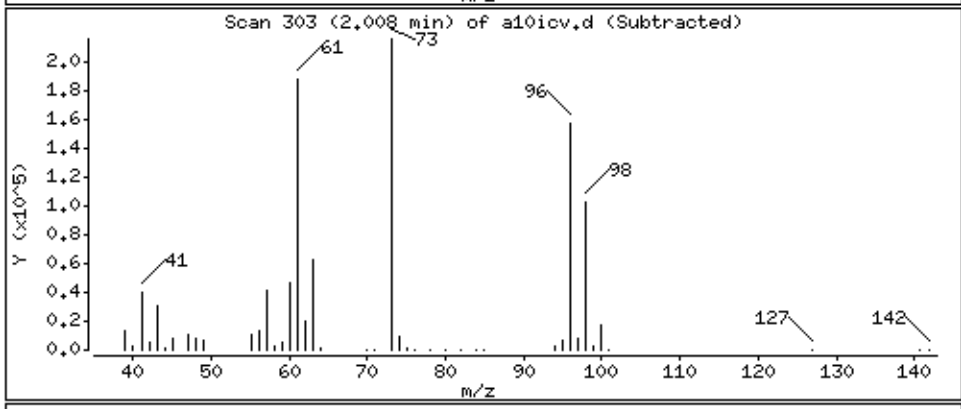
Column phase: DB-624

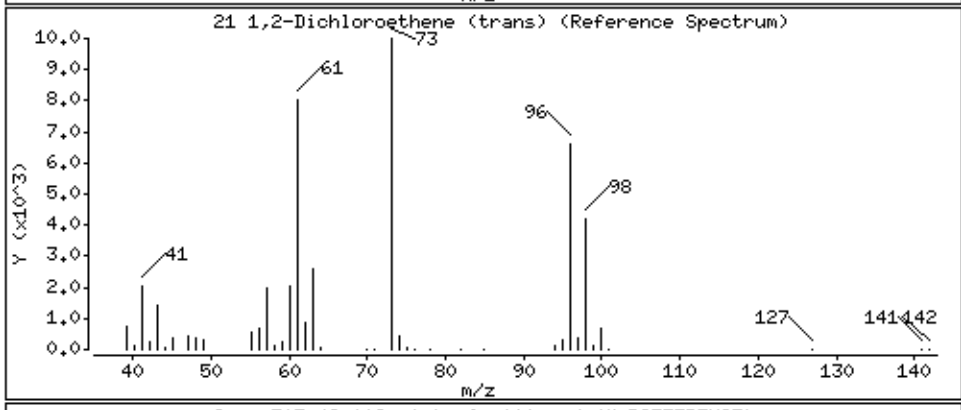
Column diameter: 0.18

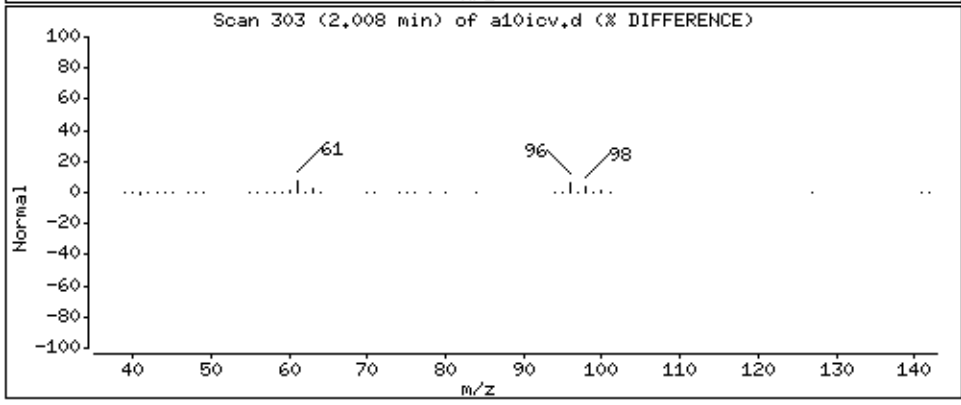
21 1,2-Dichloroethene (trans)

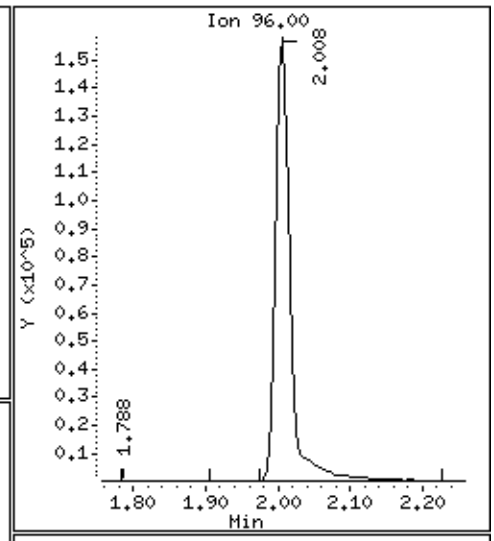
Concentration: 46.4 ppb

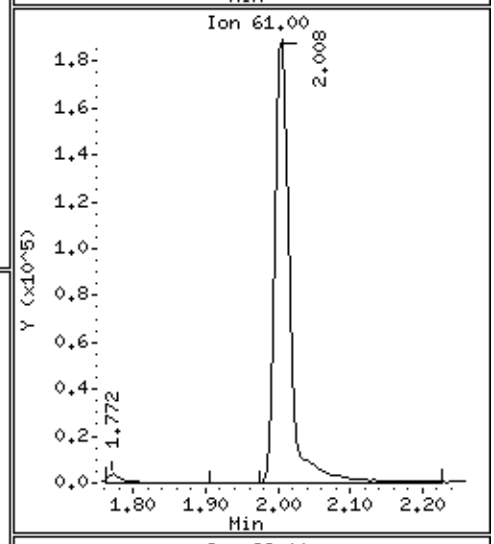


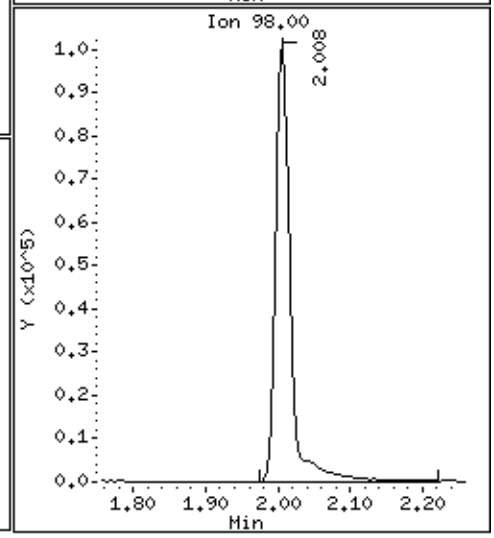












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

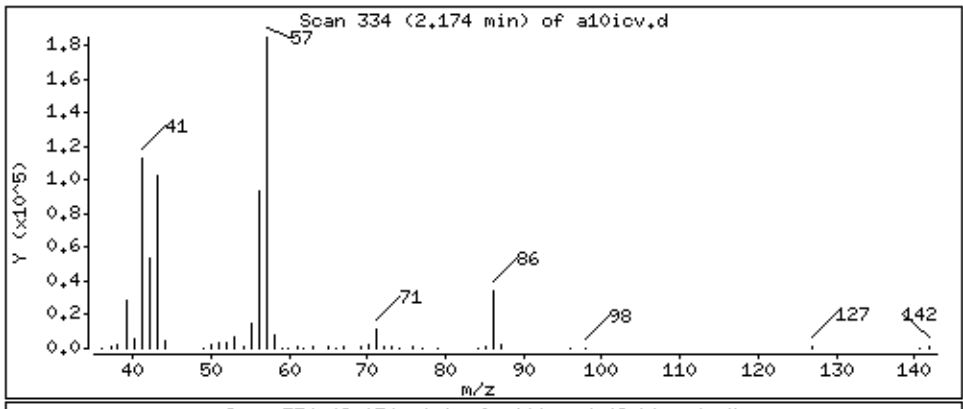
Operator: ala

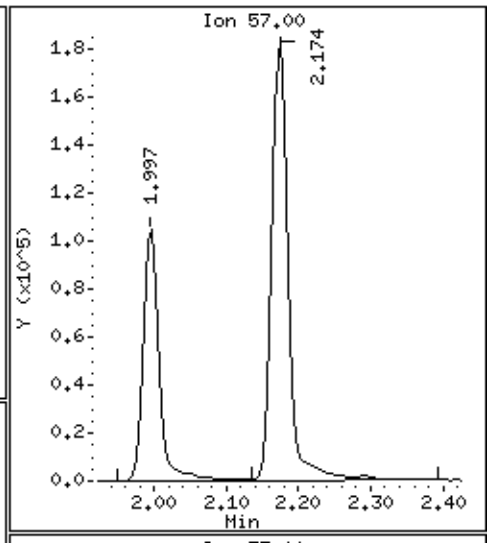
Column phase: DB-624

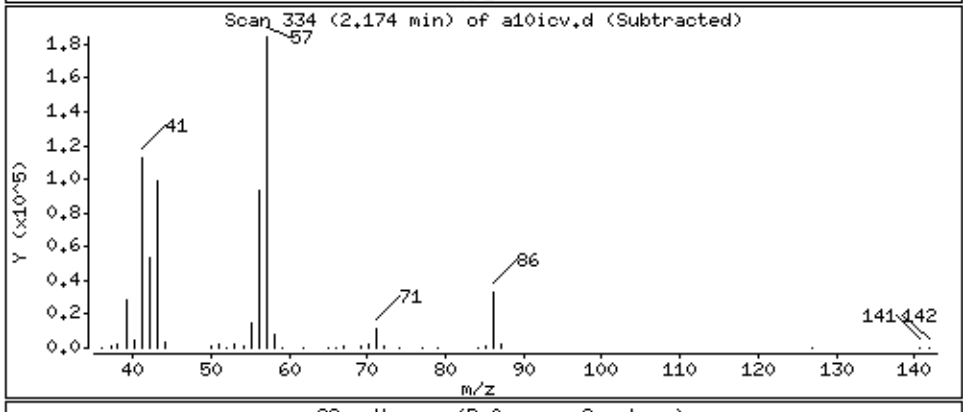
Column diameter: 0.18

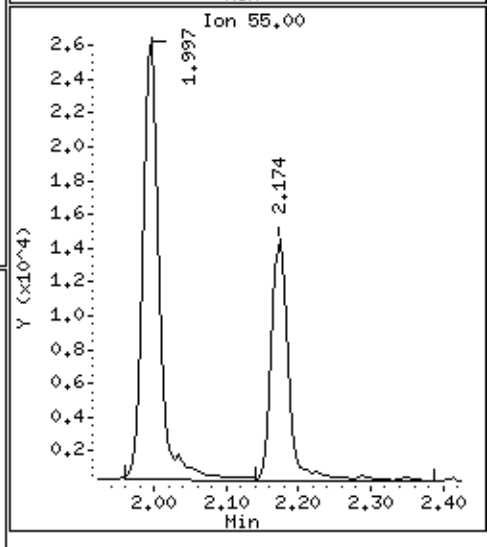
22 n-Hexane

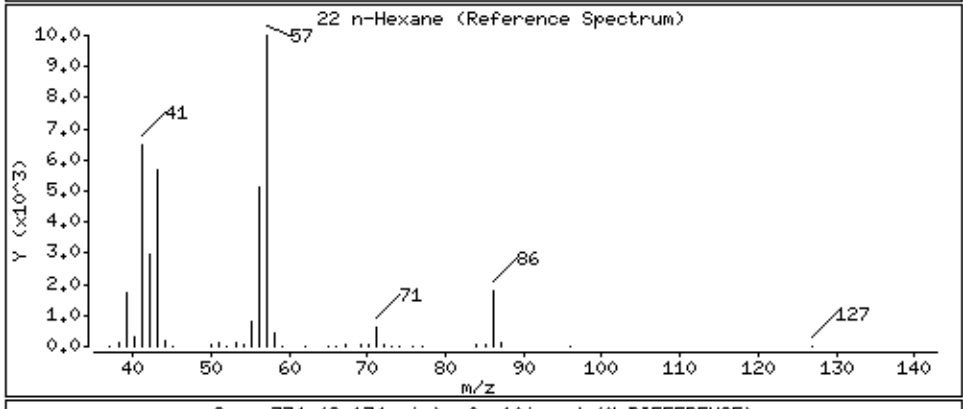
Concentration: 50.6 ppb

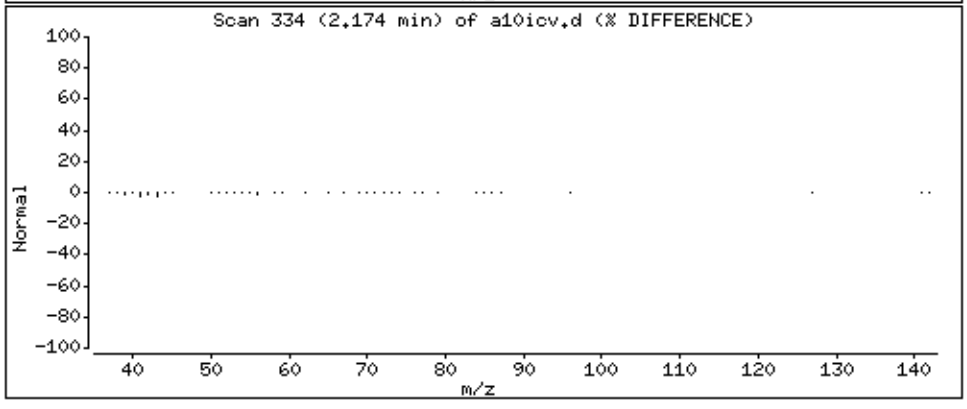












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

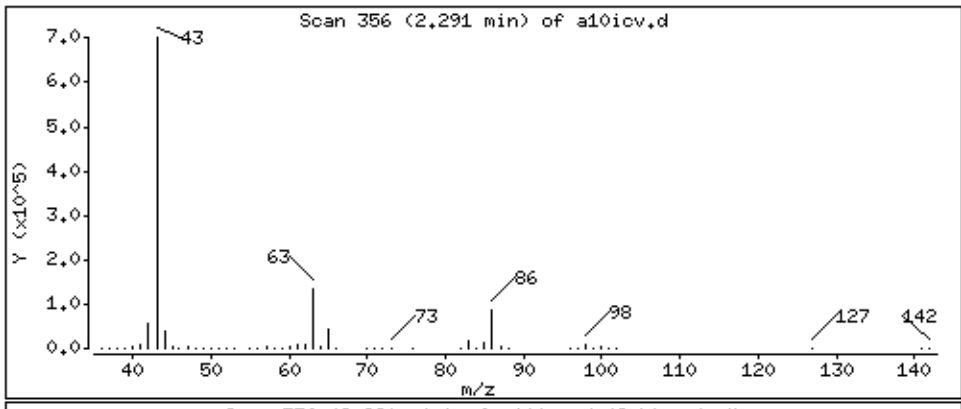
Operator: ala

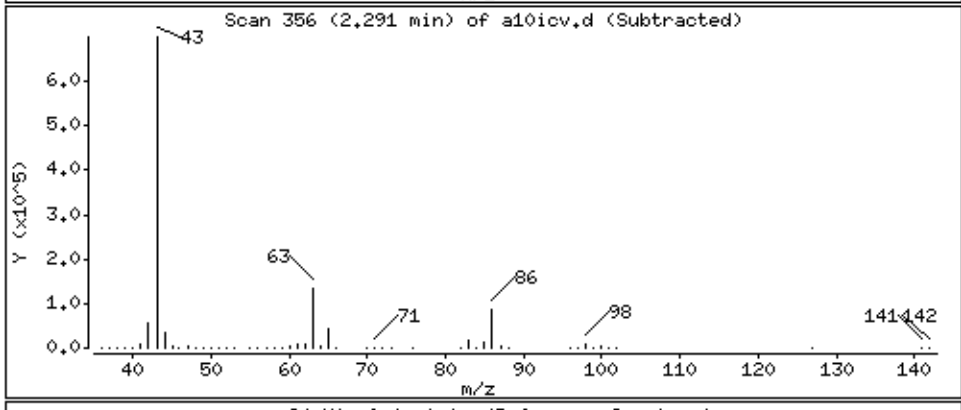
Column phase: DB-624

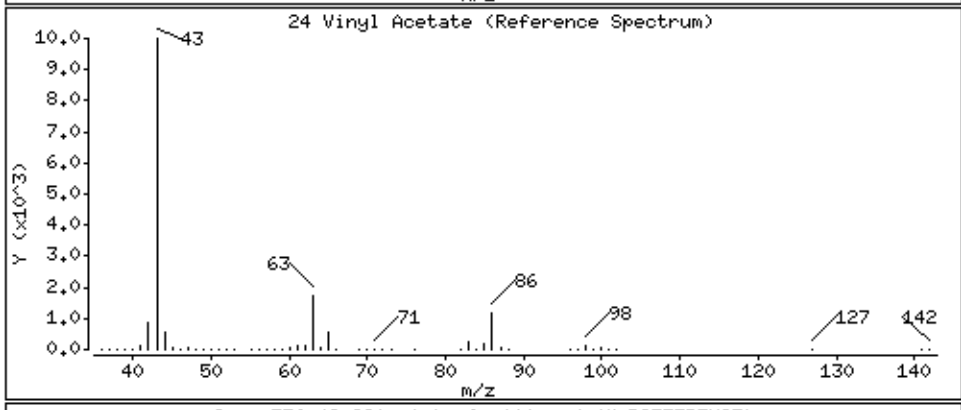
Column diameter: 0.18

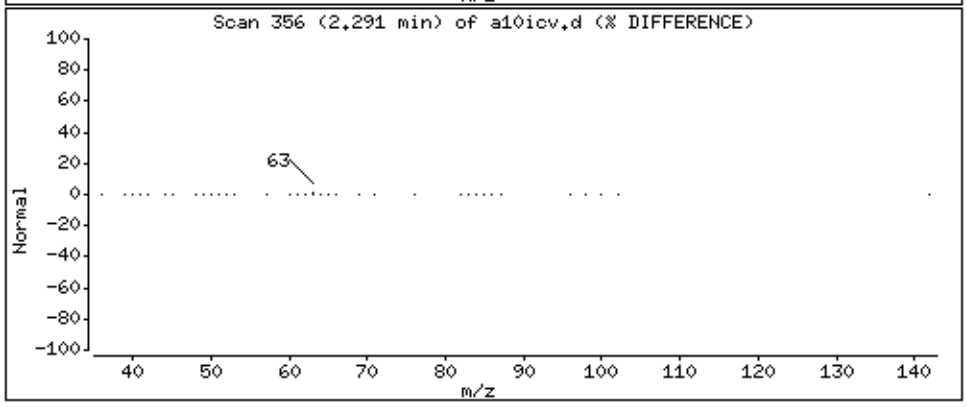
24 Vinyl Acetate

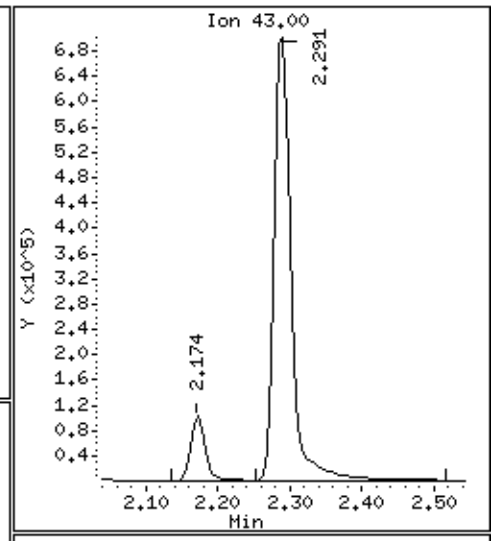
Concentration: 230 ppb

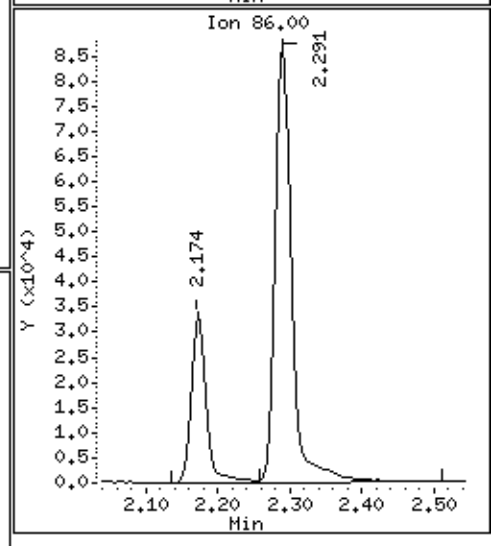












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

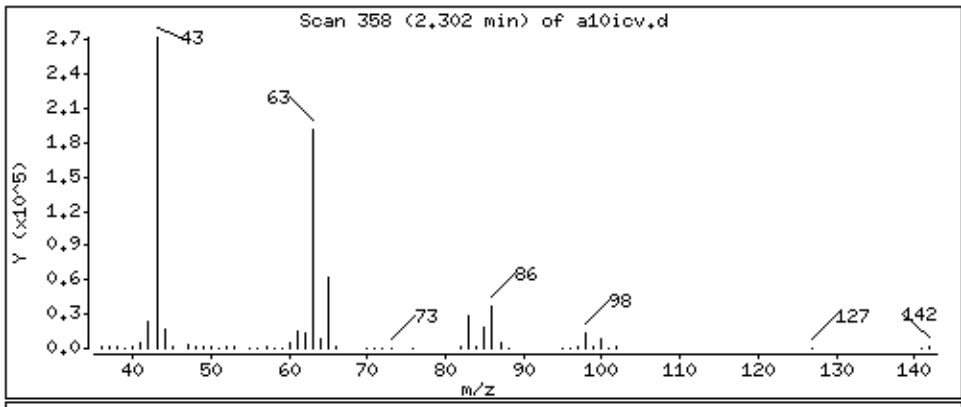
Operator: ala

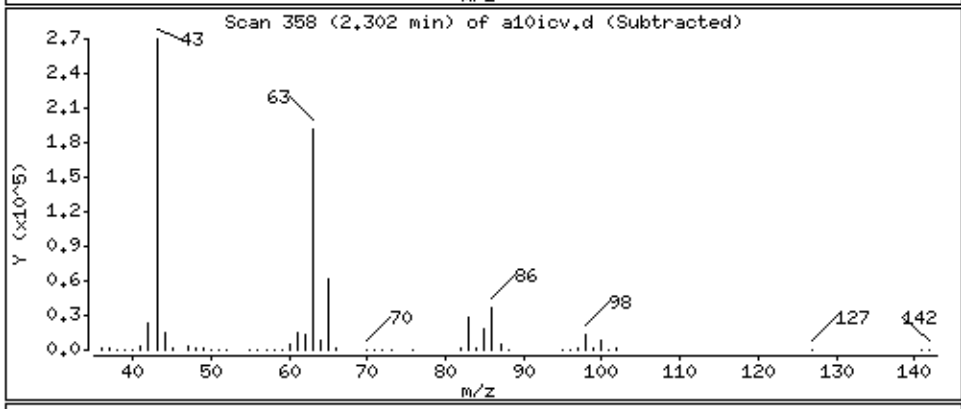
Column phase: DB-624

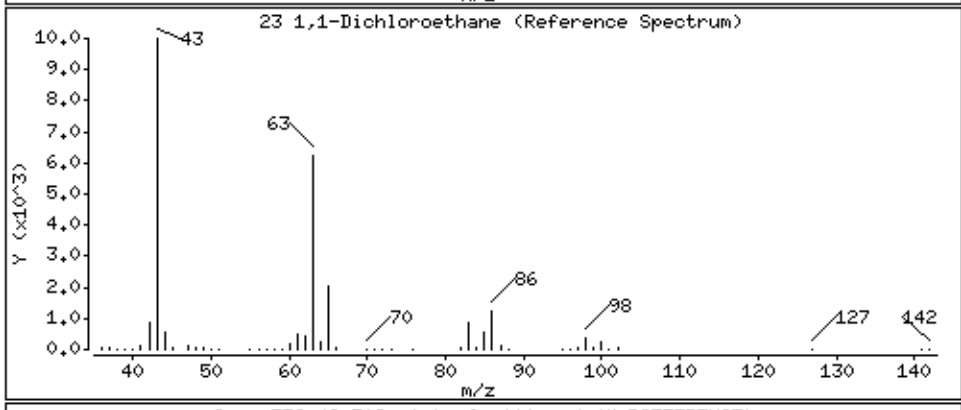
Column diameter: 0.18

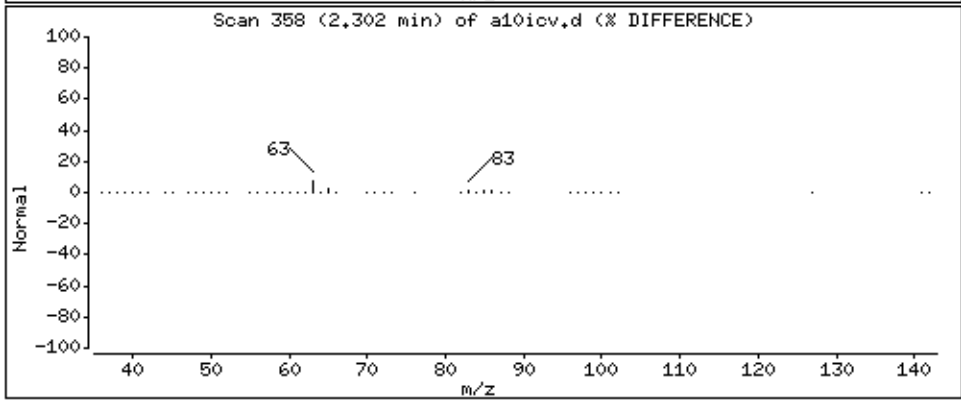
23 1,1-Dichloroethane

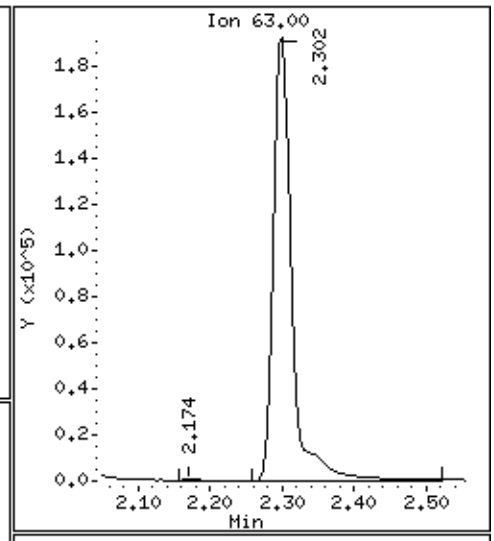
Concentration: 46.6 ppb

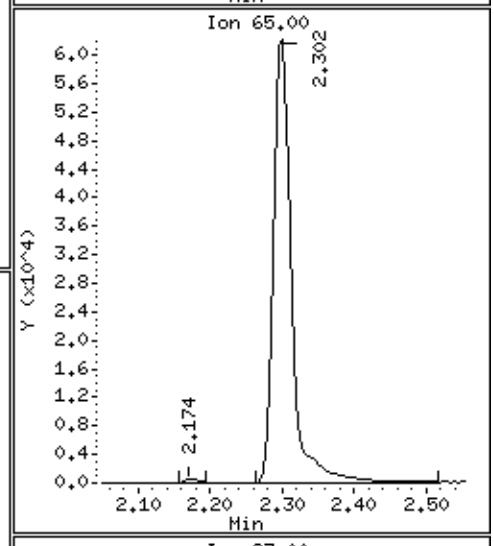


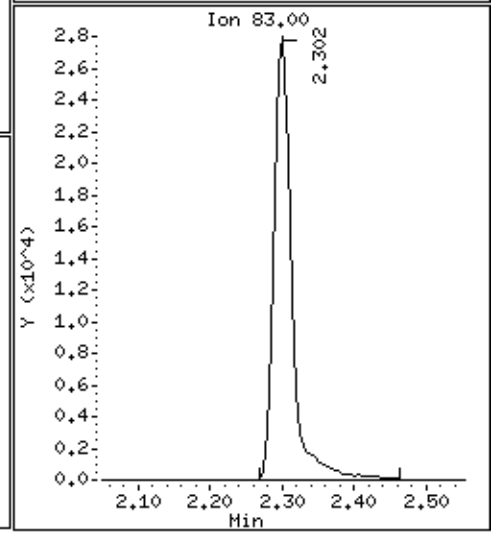












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

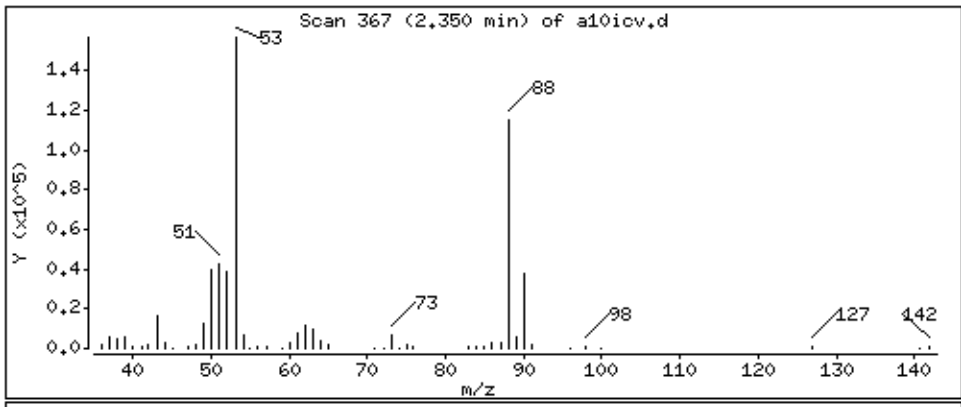
Operator: ala

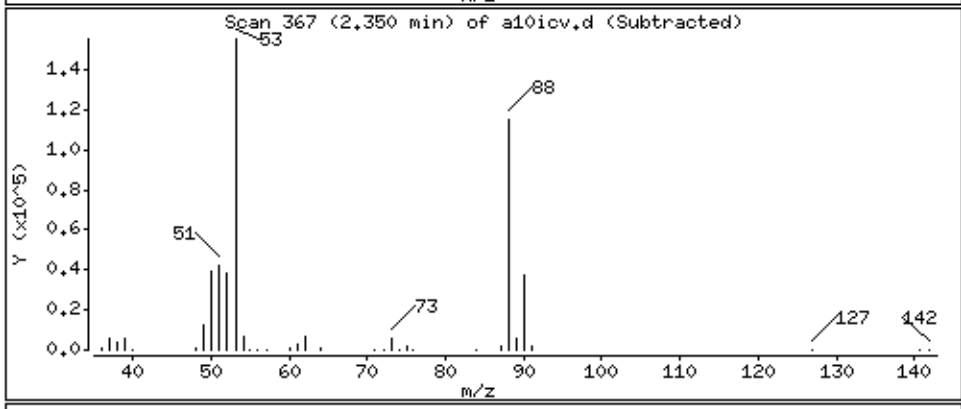
Column phase: DB-624

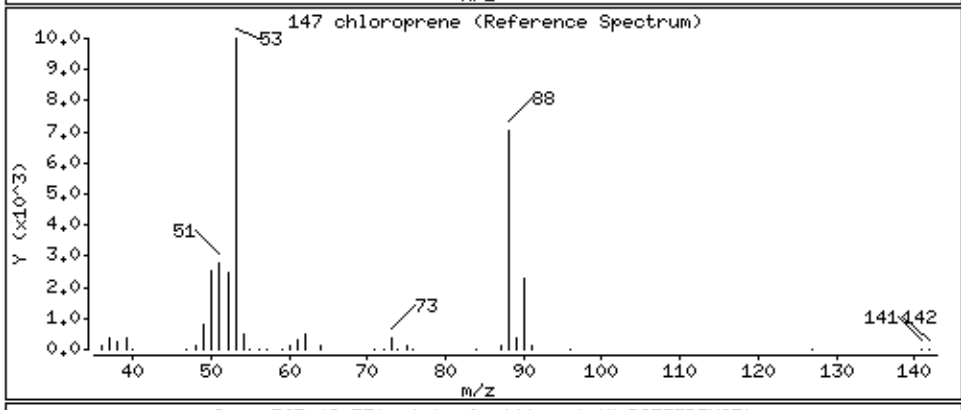
Column diameter: 0.18

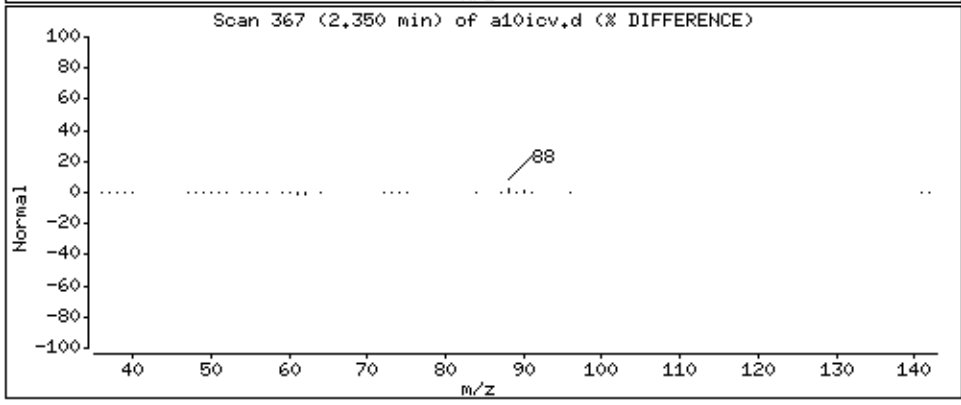
147 chloroprene

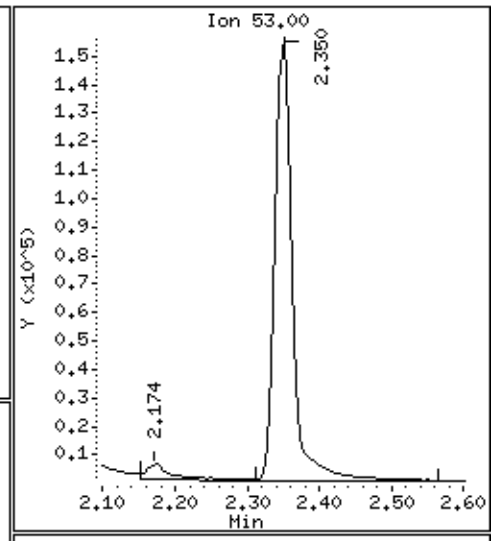
Concentration: 49.5 ppb

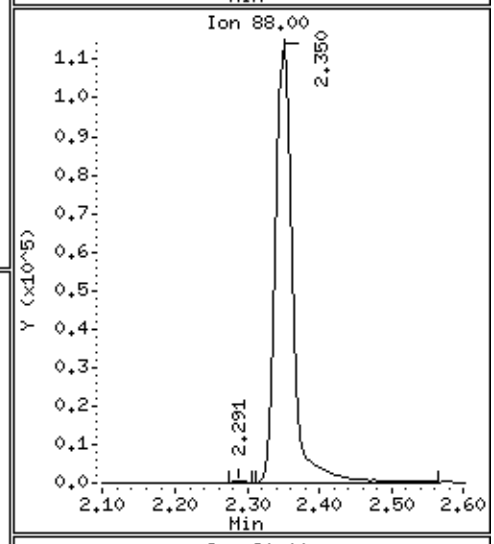


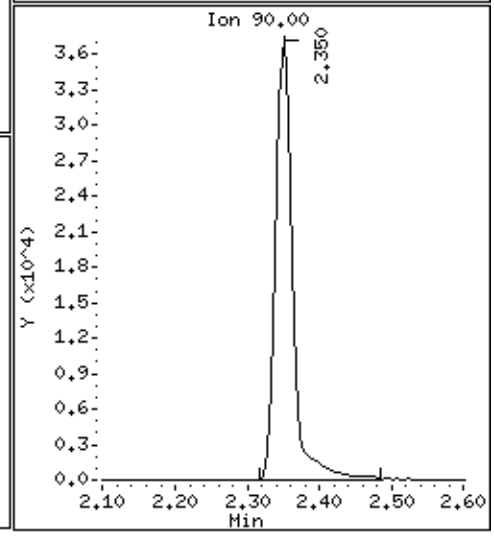












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

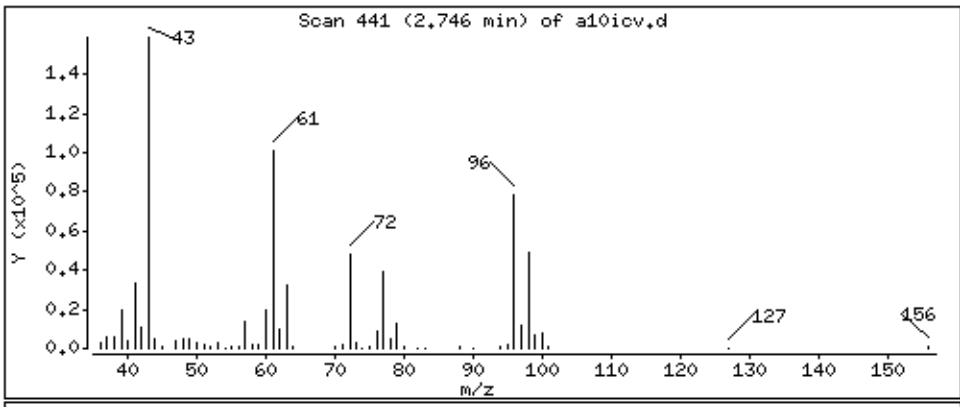
Operator: ala

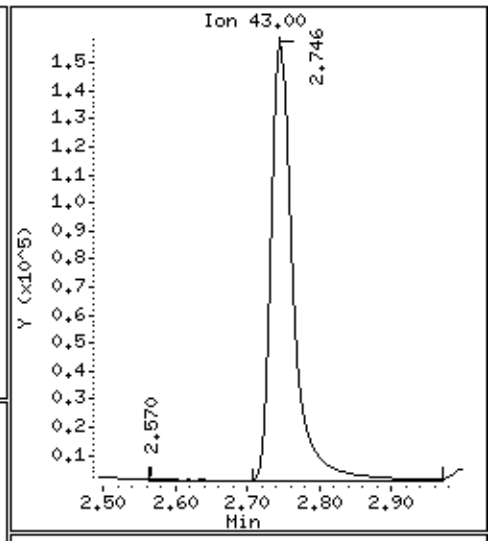
Column phase: DB-624

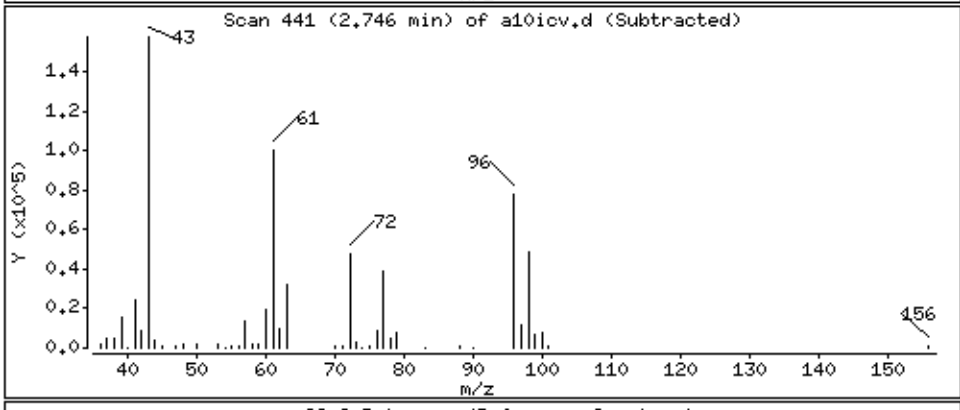
Column diameter: 0.18

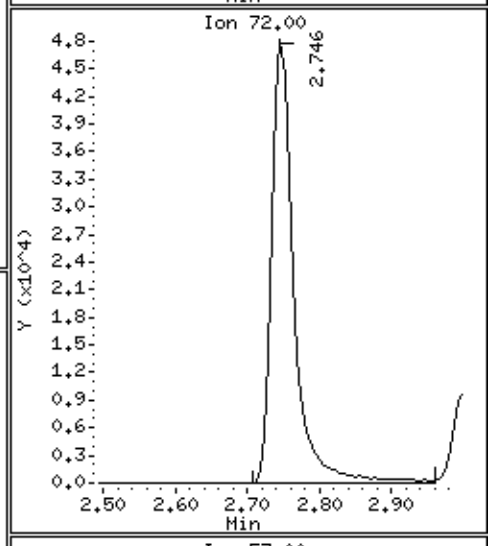
28 2-Butanone

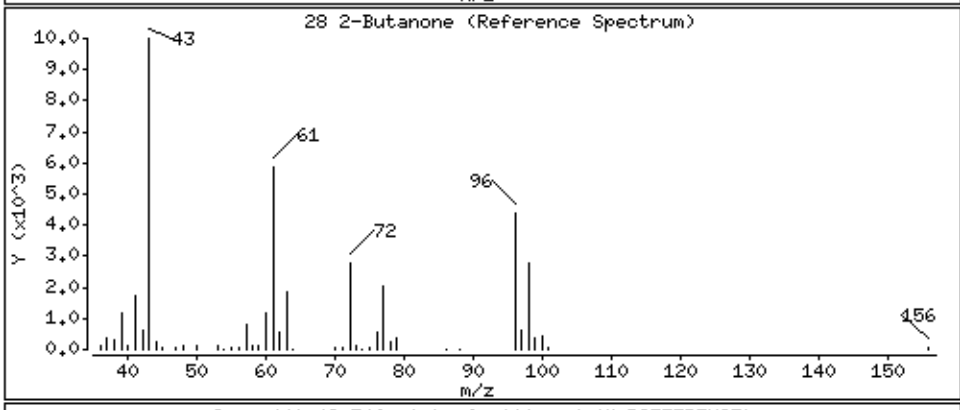
Concentration: 243 ppb

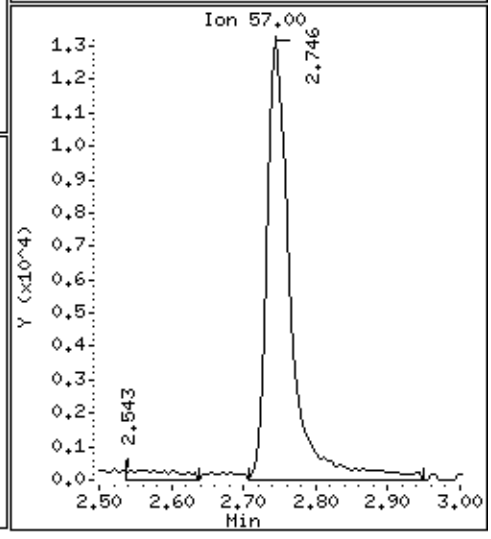


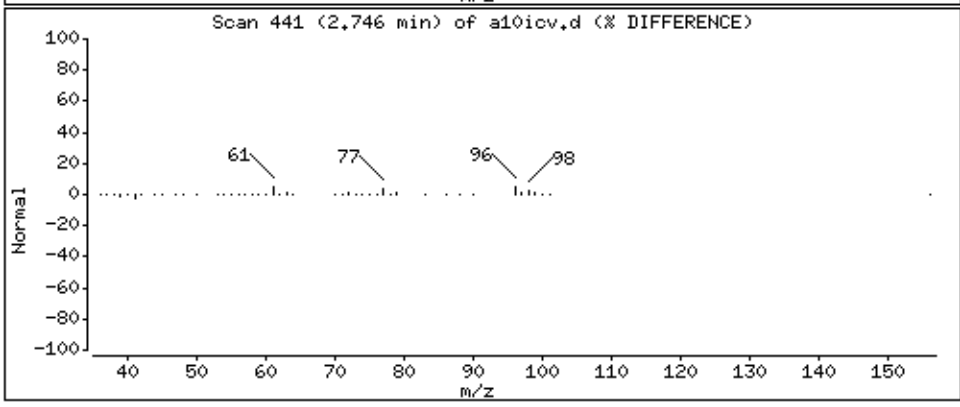












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

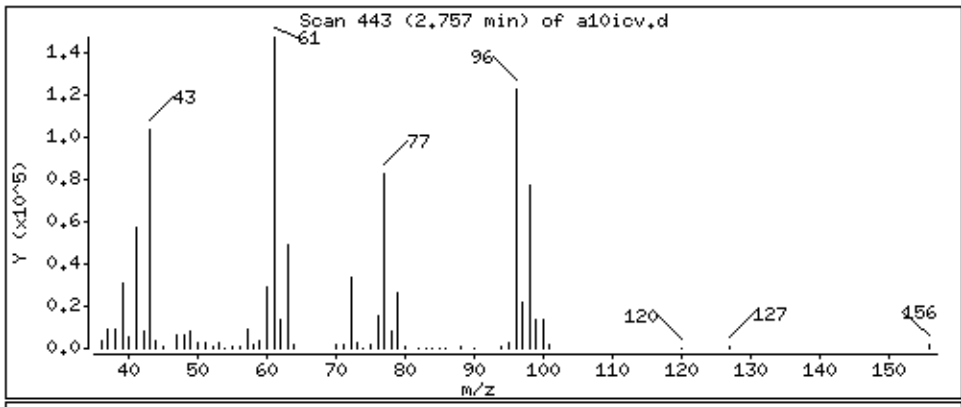
Operator: ala

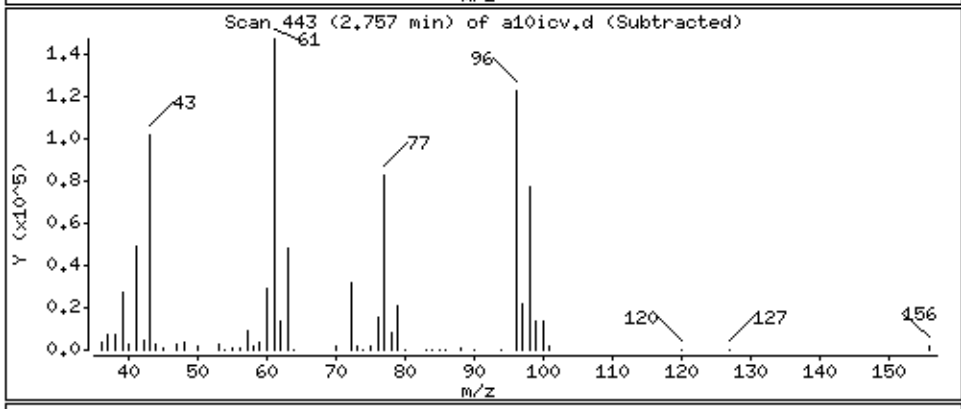
Column phase: DB-624

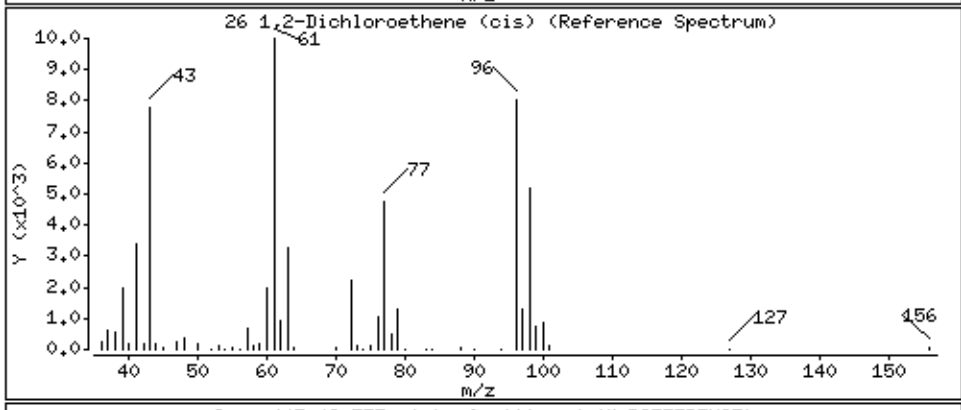
Column diameter: 0.18

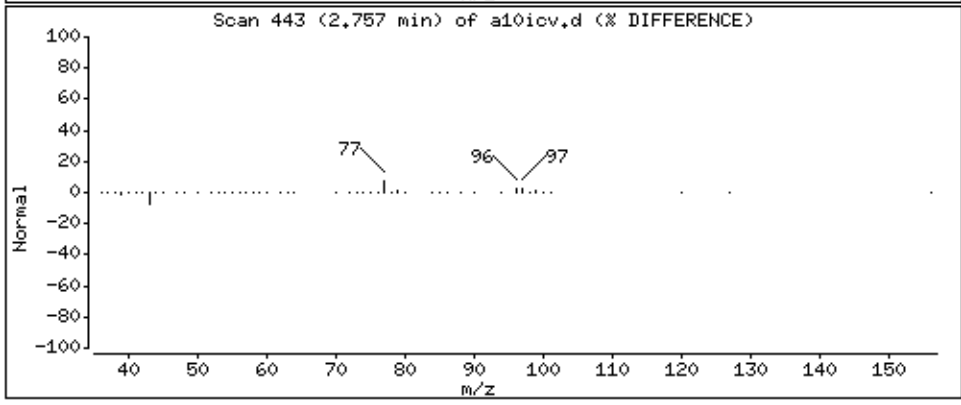
26 1,2-Dichloroethene (cis)

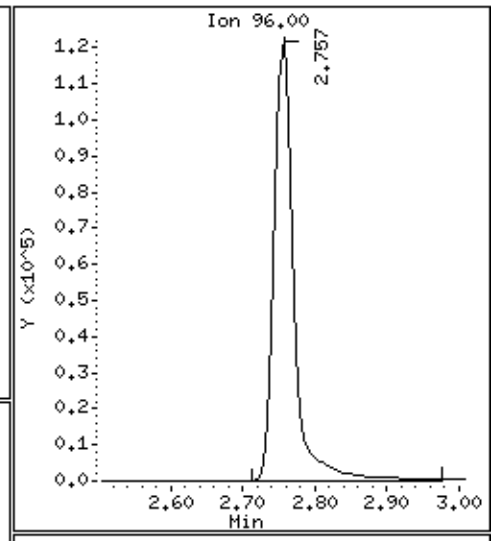
Concentration: 46.2 ppb

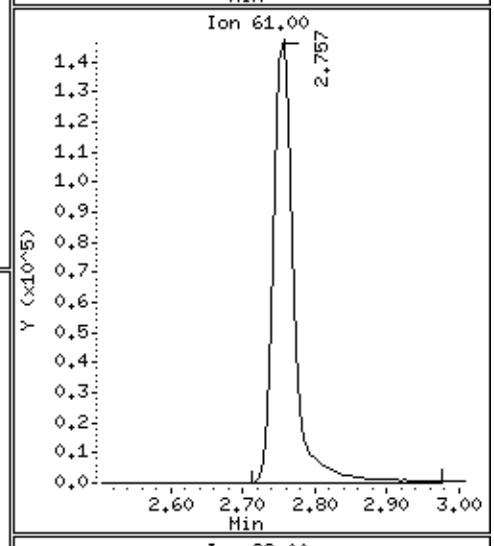


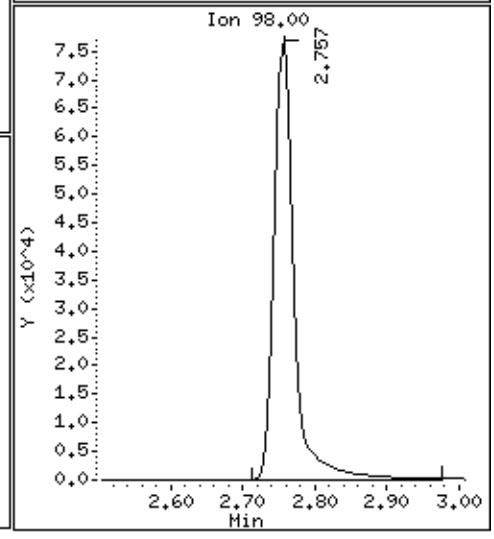












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

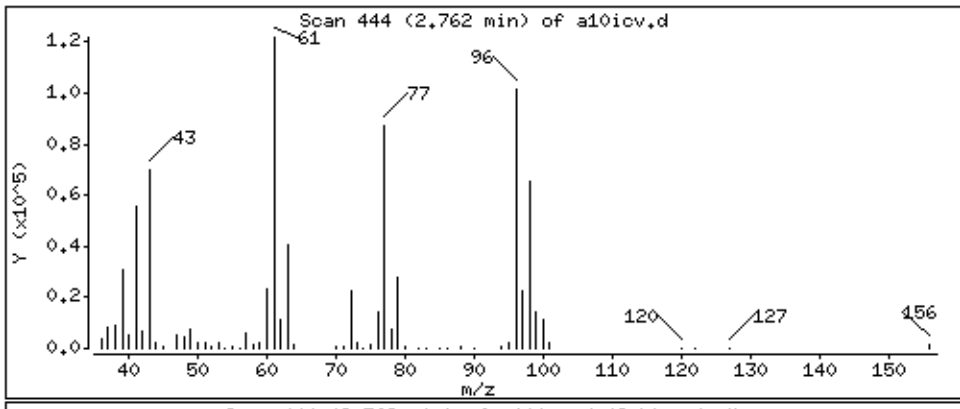
Operator: ala

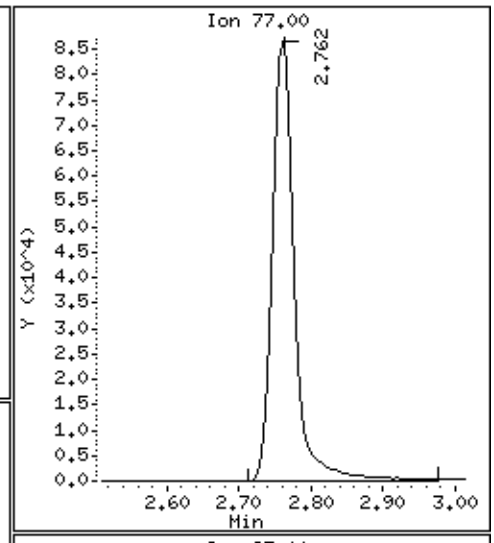
Column phase: DB-624

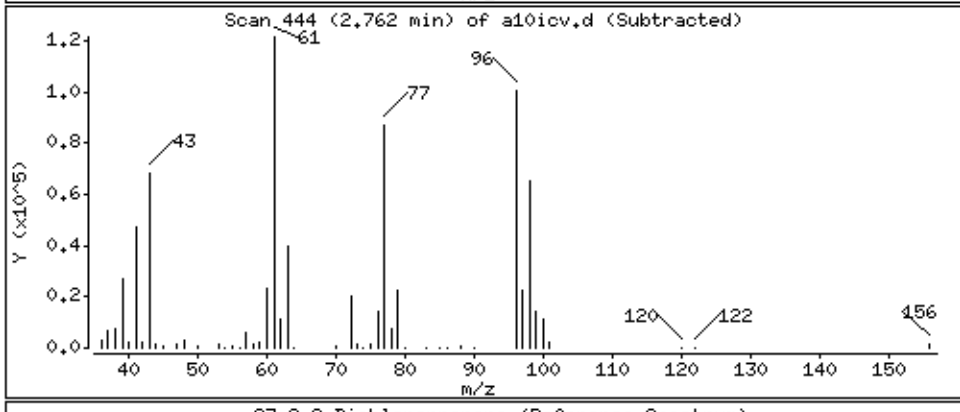
Column diameter: 0.18

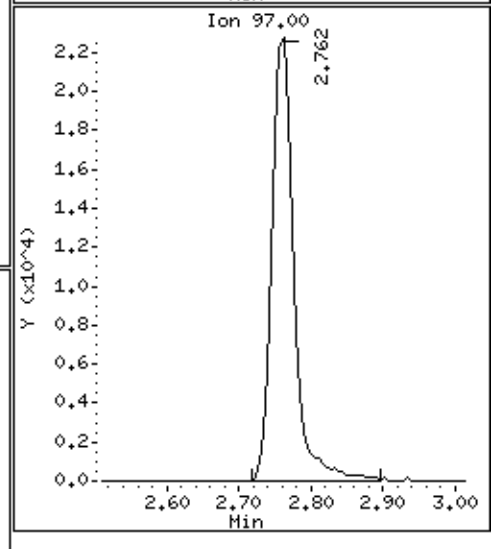
27 2,2-Dichloropropane

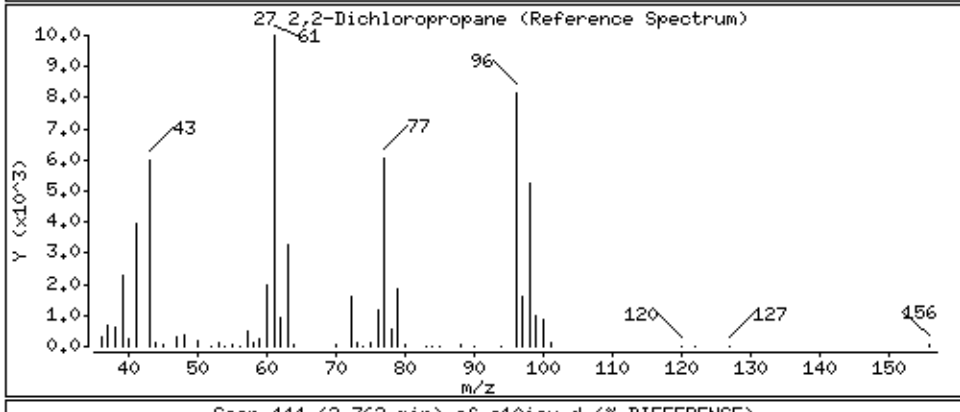
Concentration: 56.4 ppb

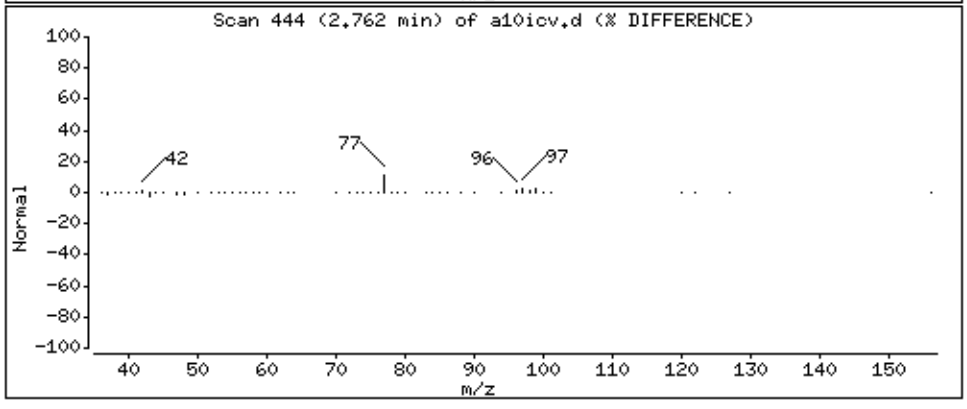












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

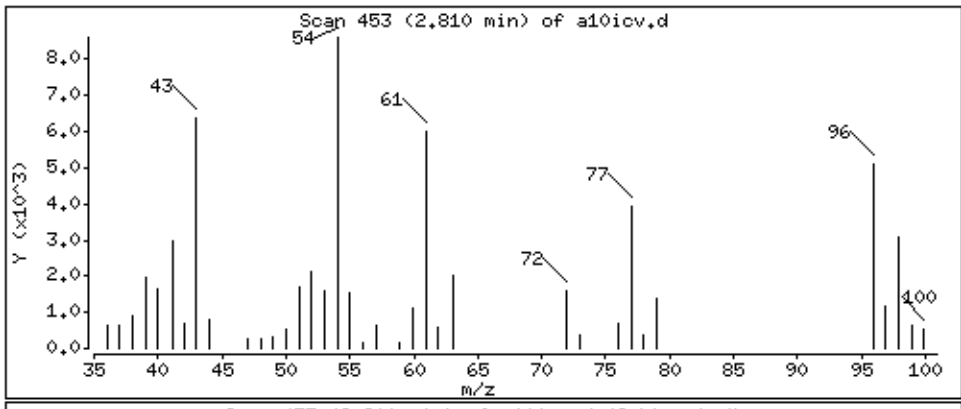
Operator: ala

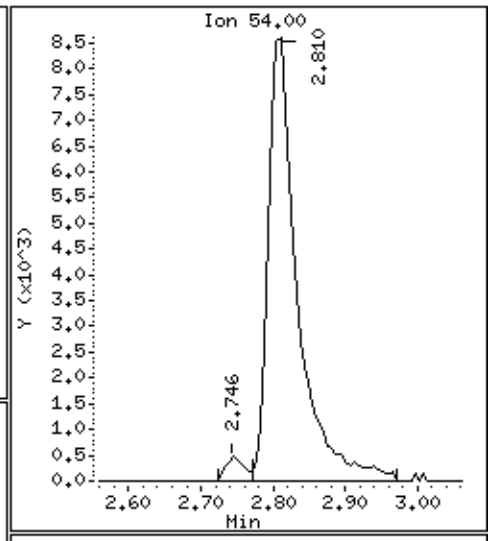
Column phase: DB-624

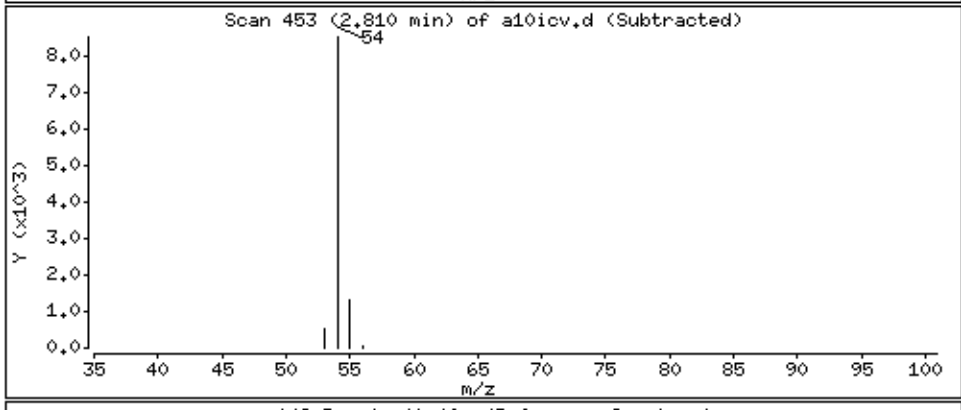
Column diameter: 0.18

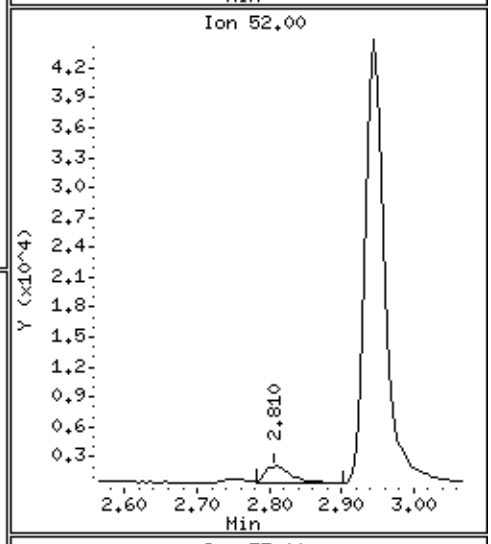
149 Propionitrile

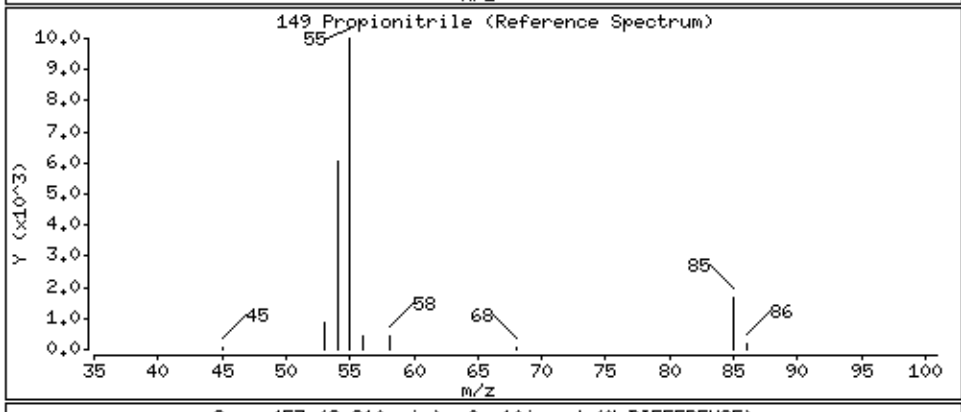
Concentration: 46.0 ppb

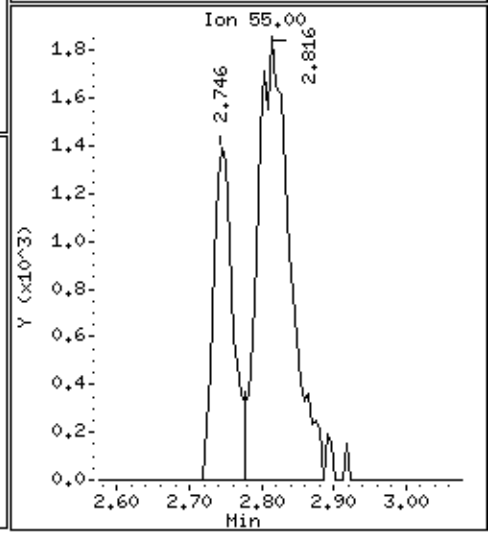


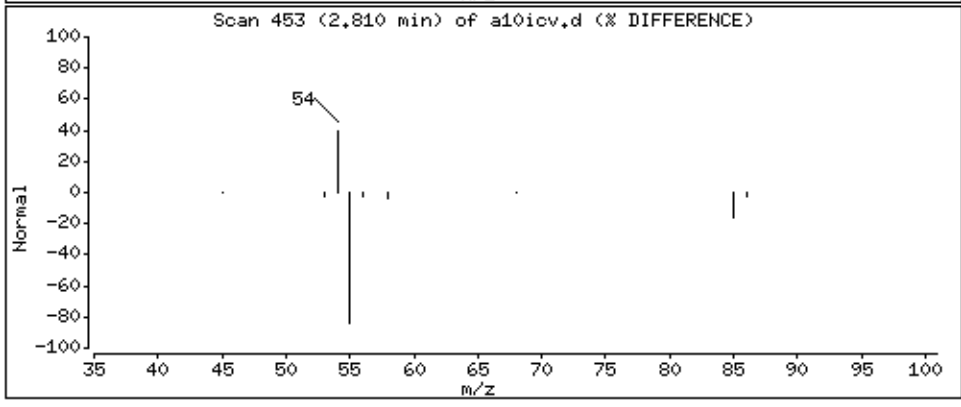












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

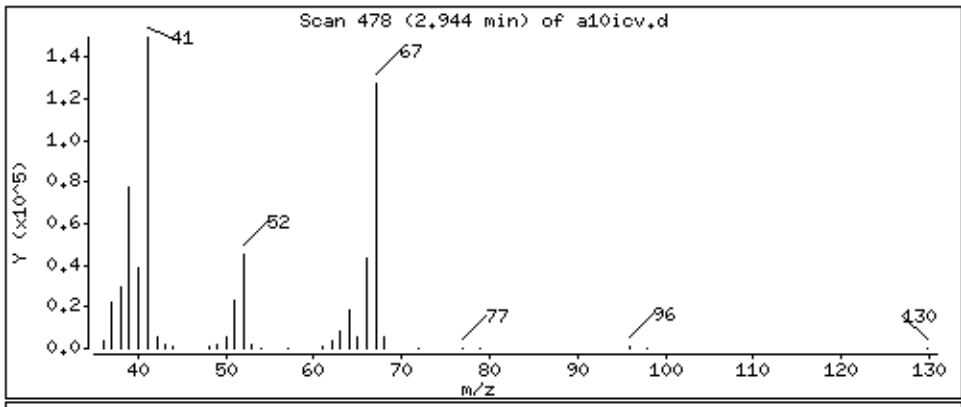
Operator: ala

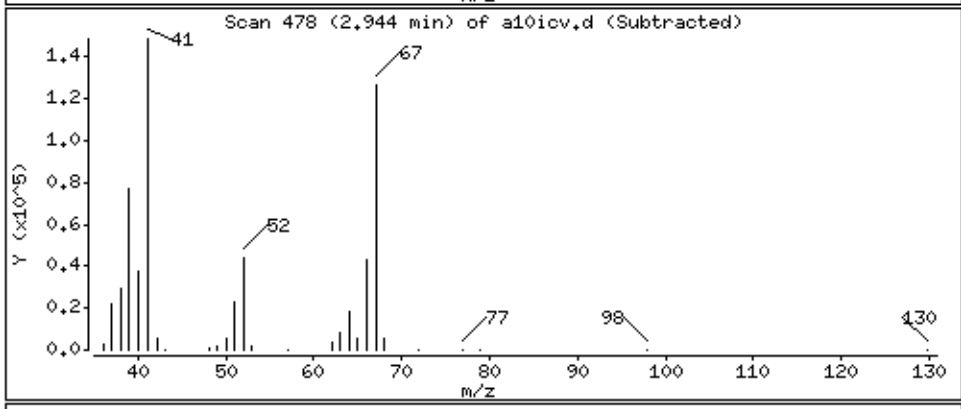
Column phase: DB-624

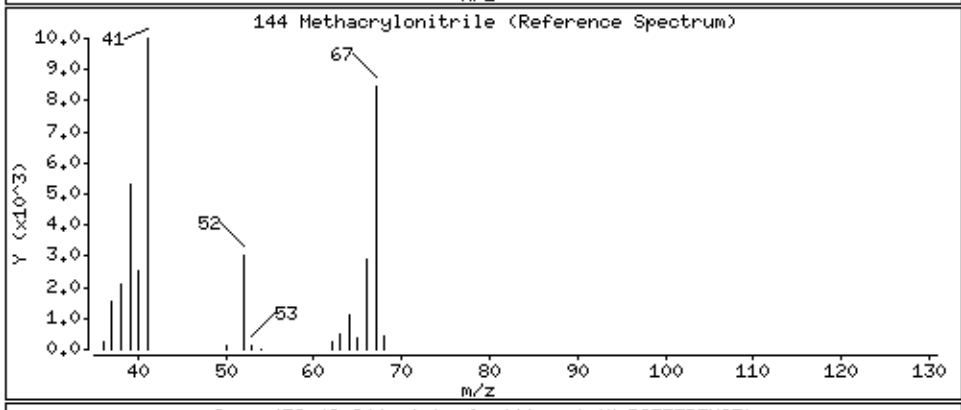
Column diameter: 0.18

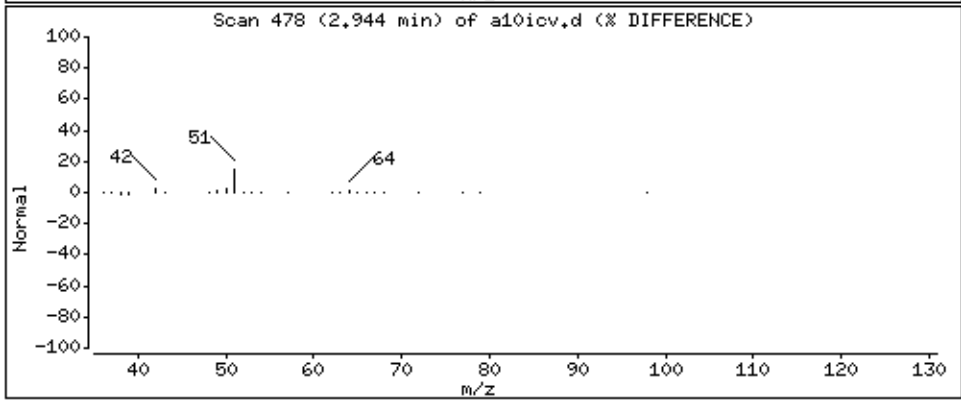
144 Methacrylonitrile

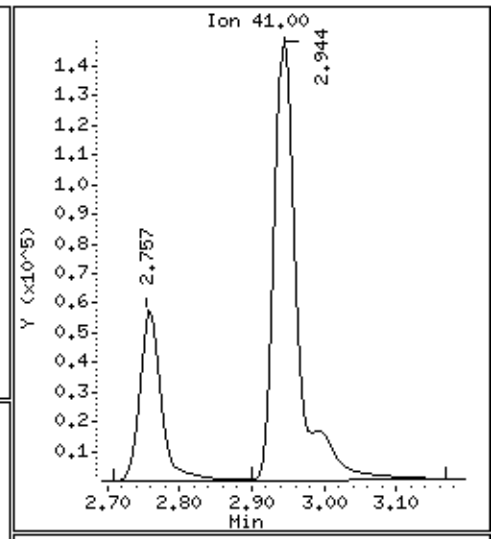
Concentration: 213 ppb

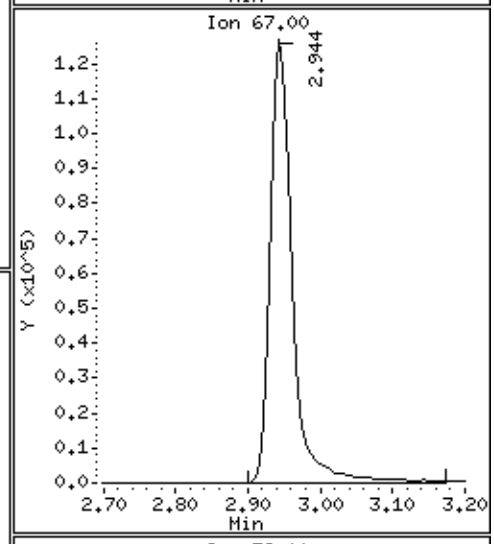


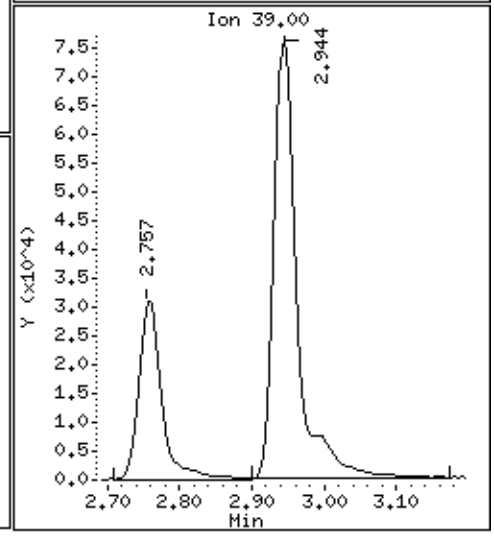












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

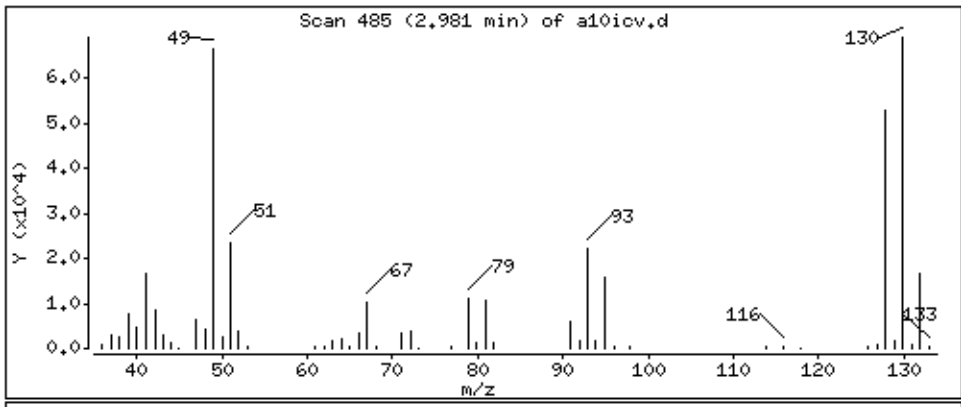
Operator: ala

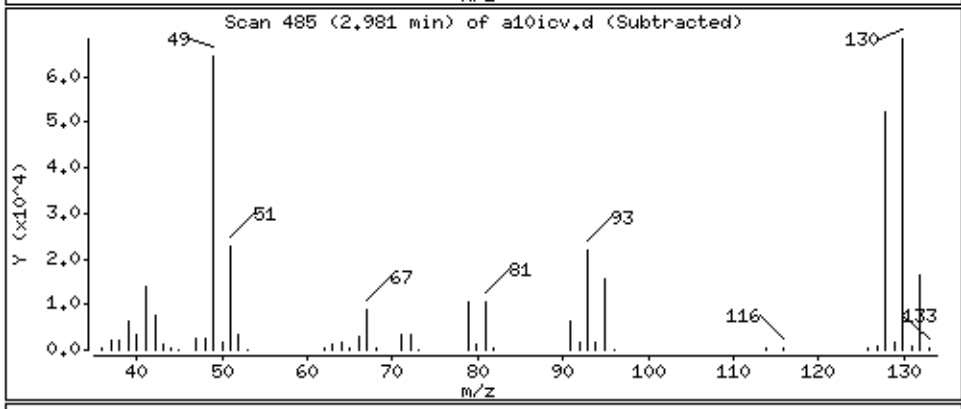
Column phase: DB-624

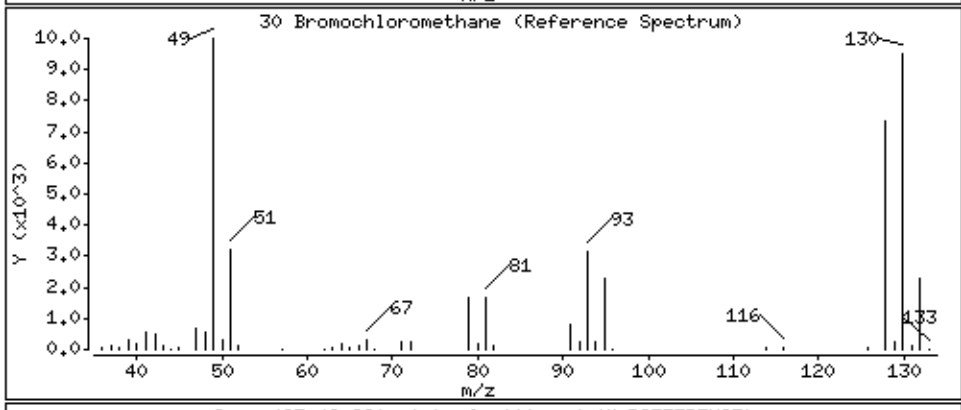
Column diameter: 0.18

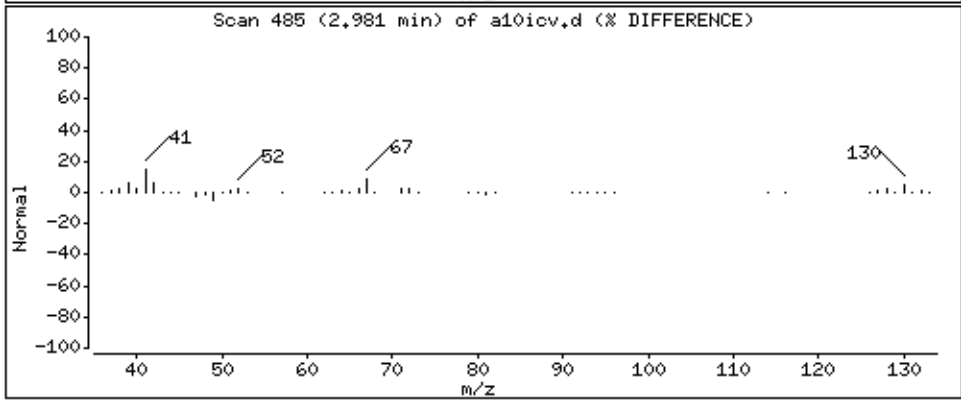
30 Bromochloromethane

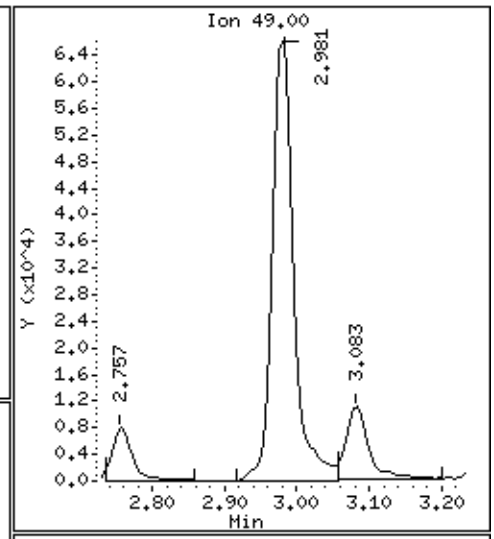
Concentration: 45.1 ppb

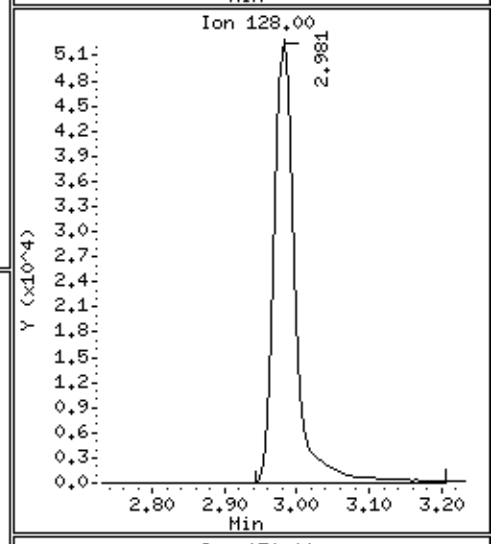


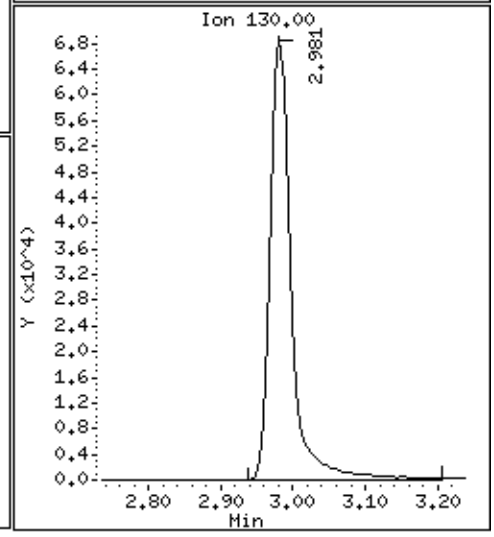












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

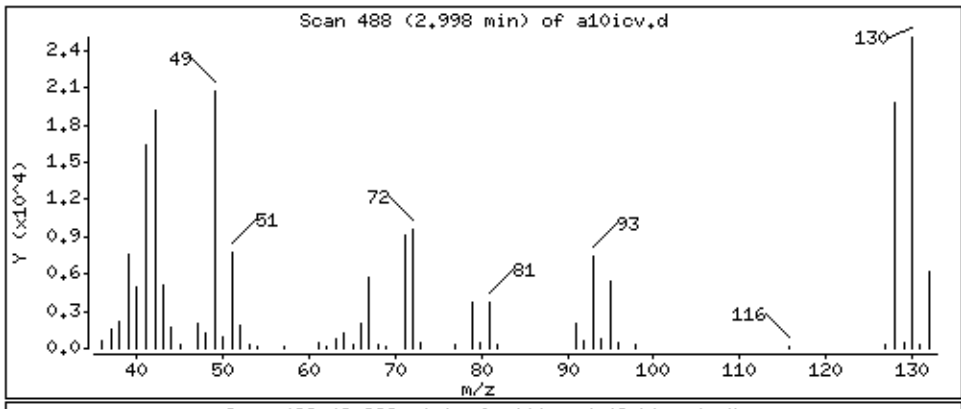
Operator: ala

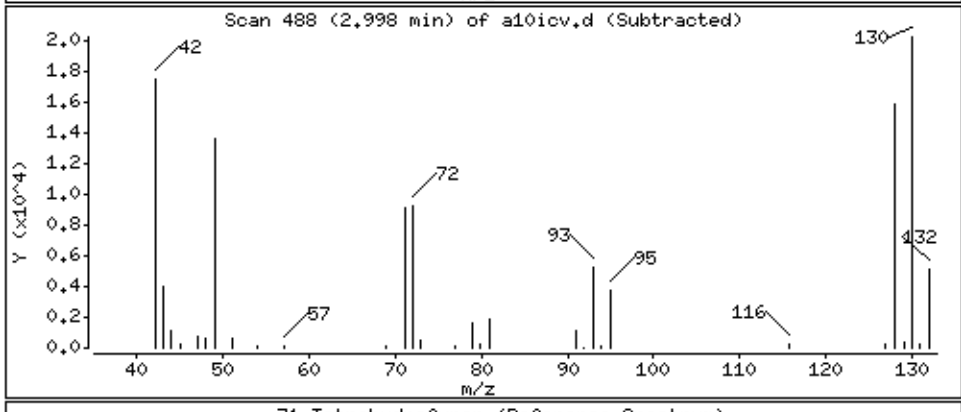
Column phase: DB-624

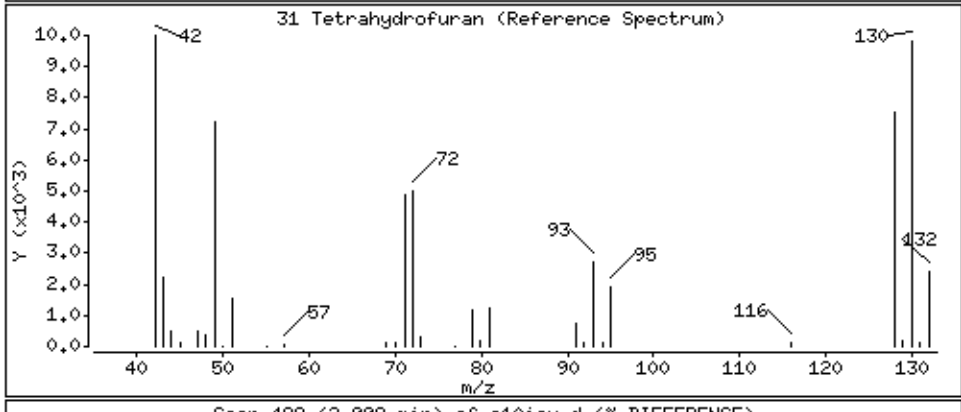
Column diameter: 0.18

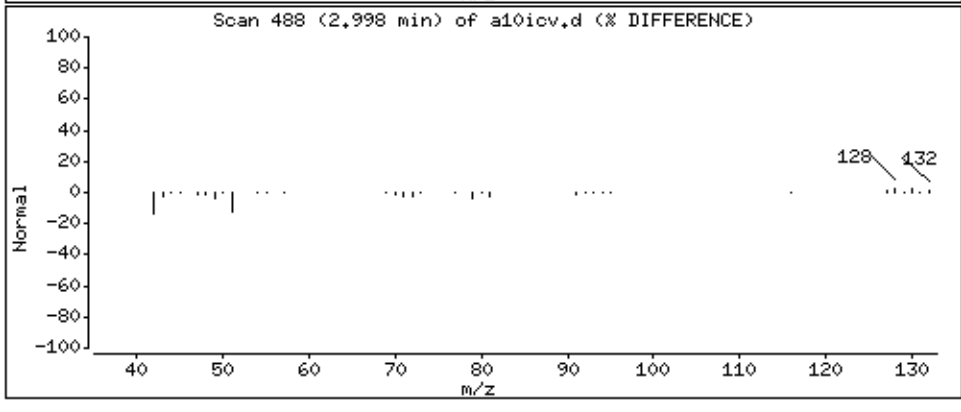
31 Tetrahydrofuran

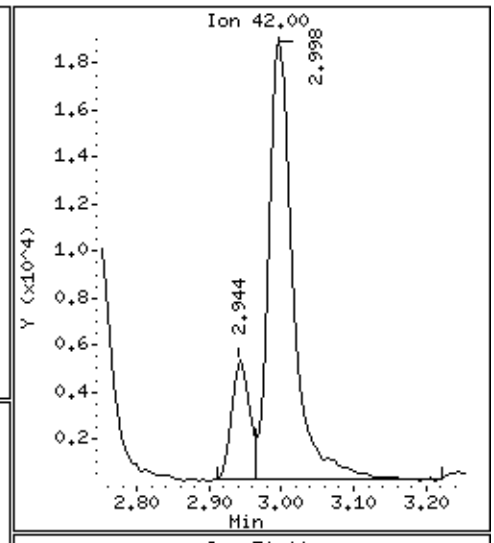
Concentration: 57.7 ppb

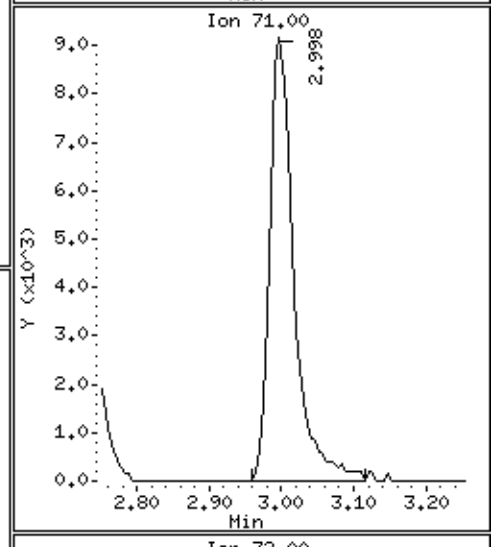


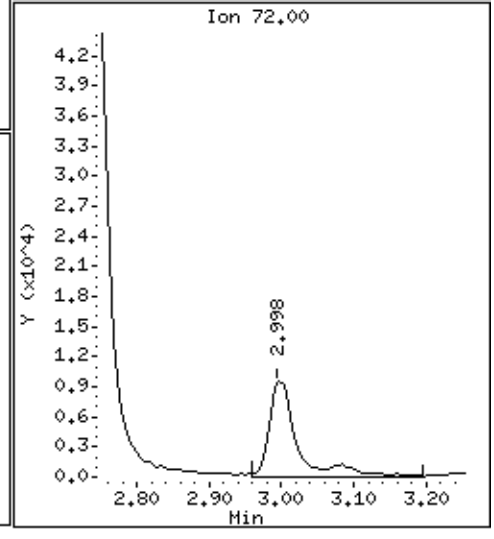












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

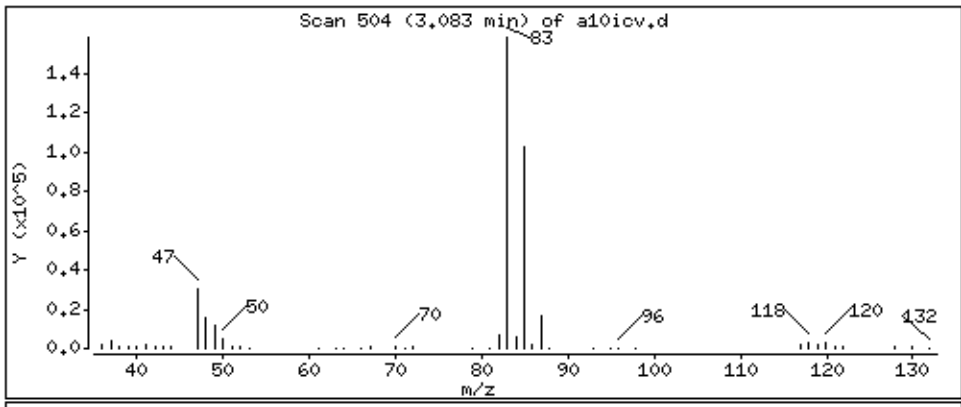
Operator: ala

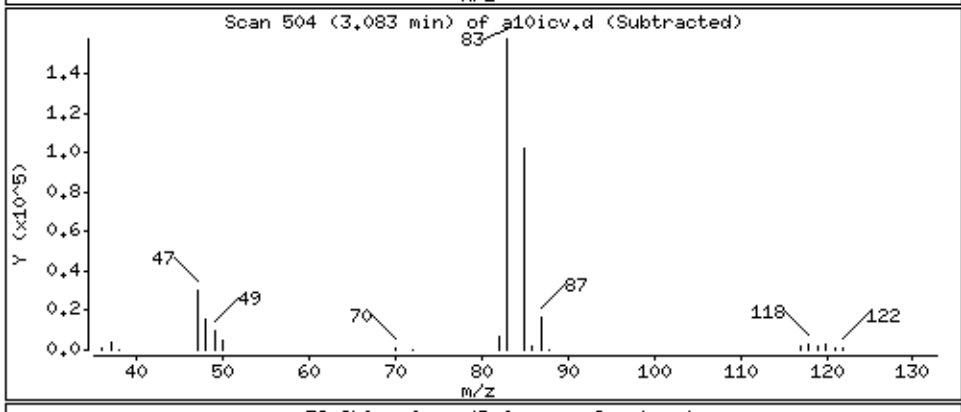
Column phase: DB-624

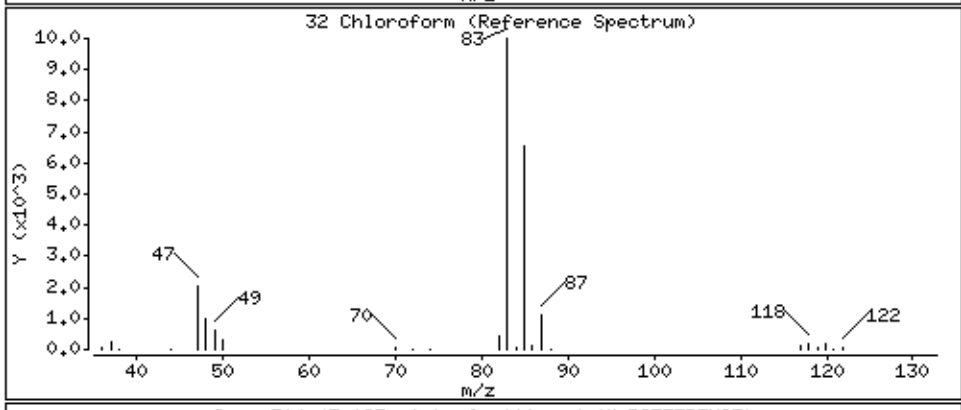
Column diameter: 0.18

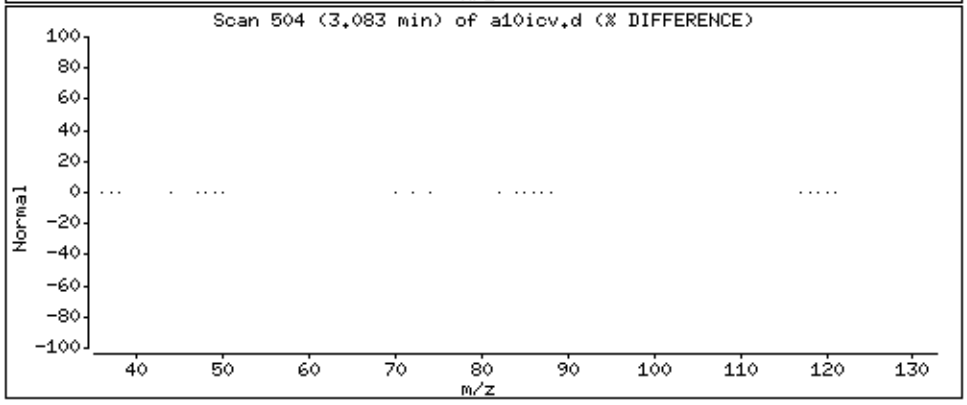
32 Chloroform

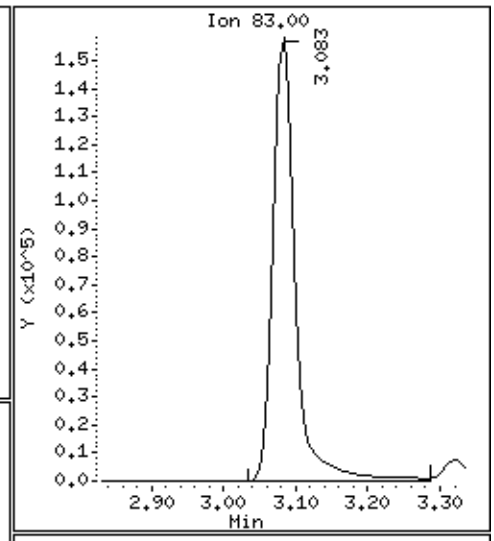
Concentration: 45.7 ppb

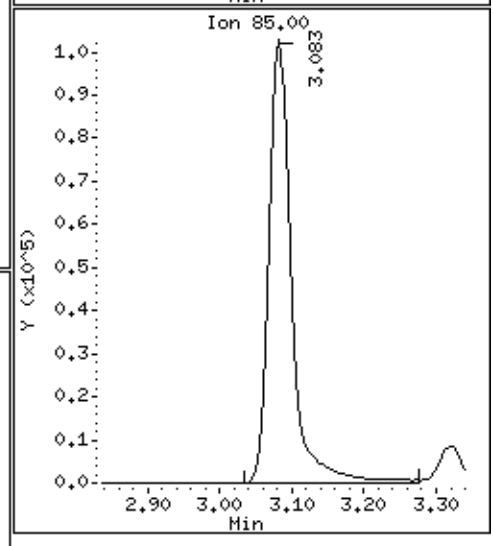












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

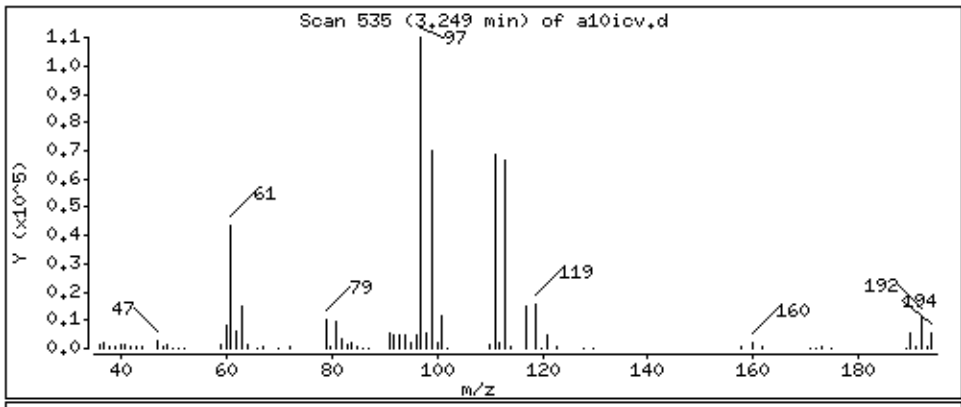
Operator: ala

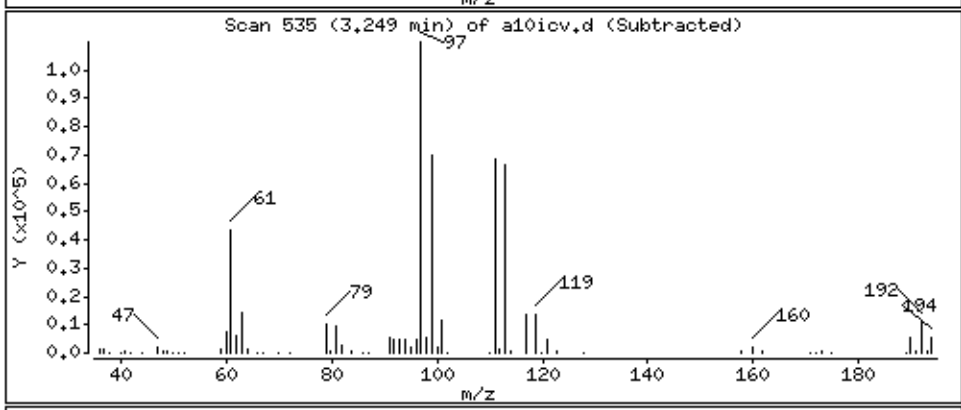
Column phase: DB-624

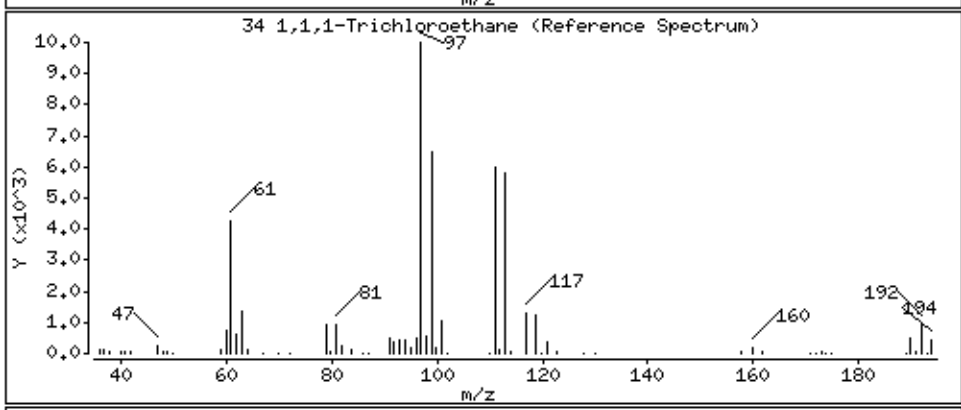
Column diameter: 0.18

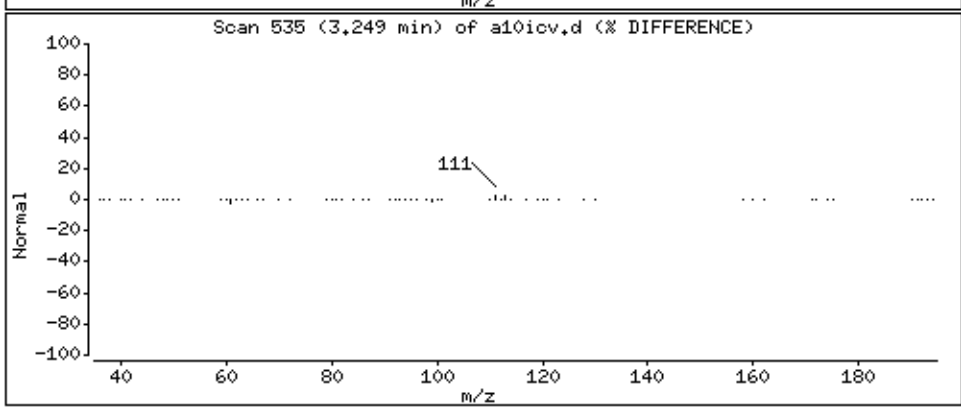
34 1,1,1-Trichloroethane

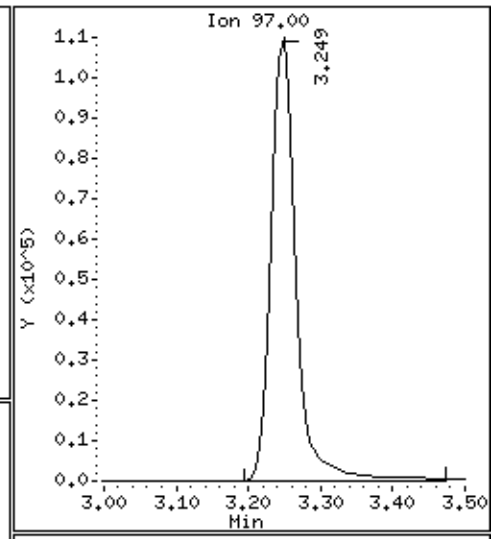
Concentration: 50.8 ppb

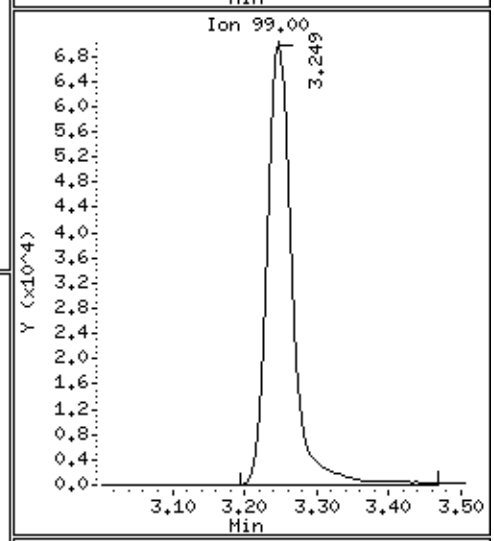


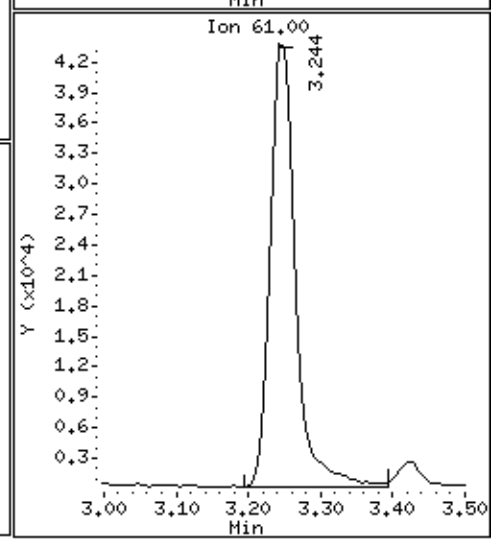












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

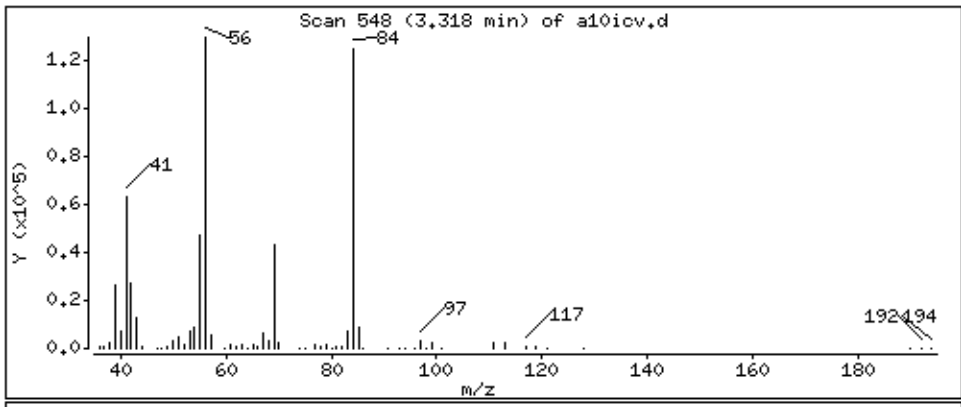
Operator: ala

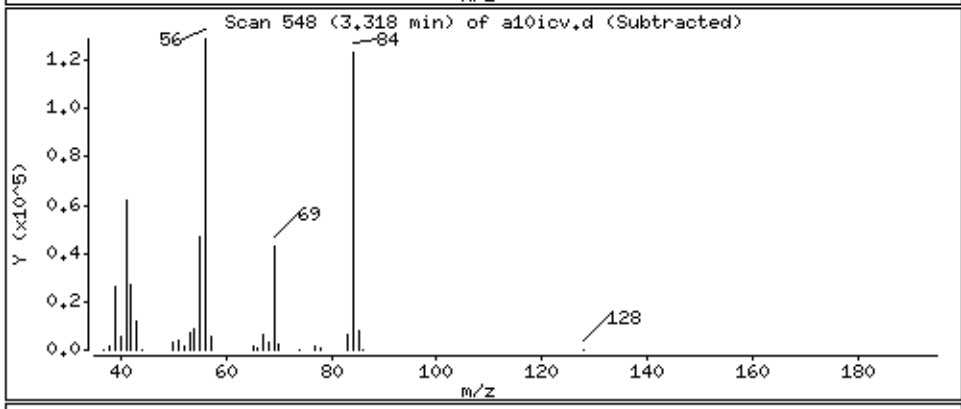
Column phase: DB-624

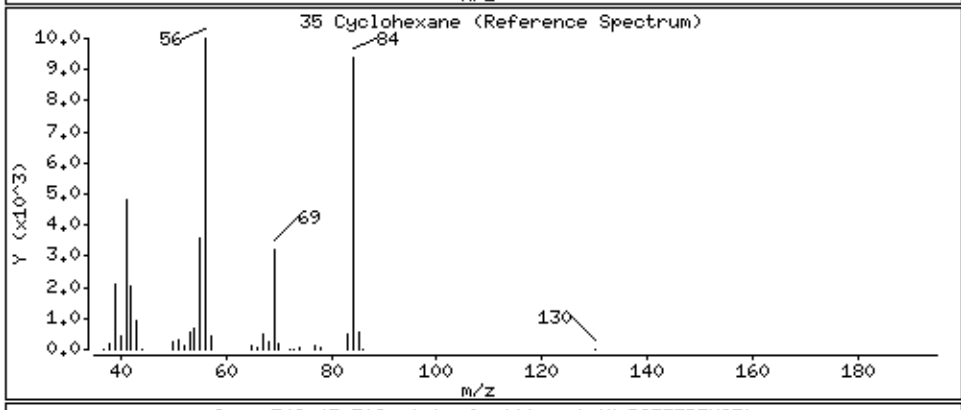
Column diameter: 0.18

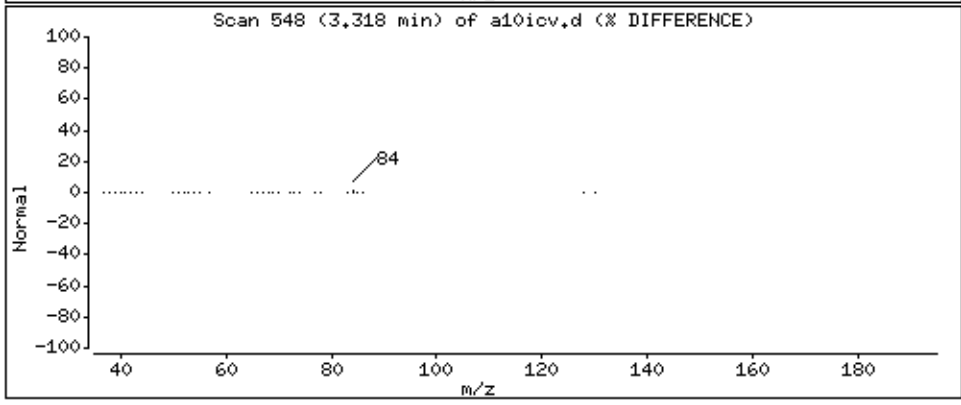
35 Cyclohexane

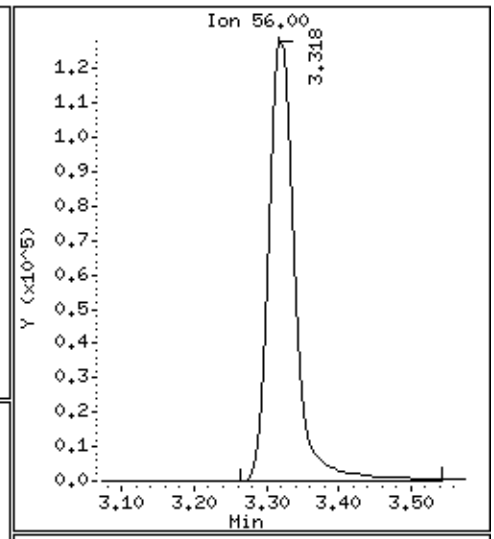
Concentration: 55.0 ppb

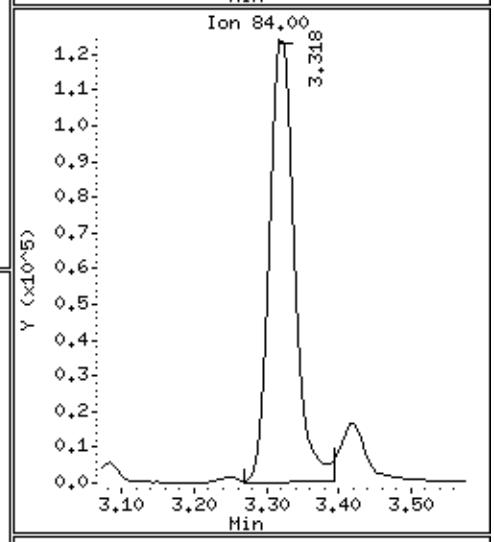


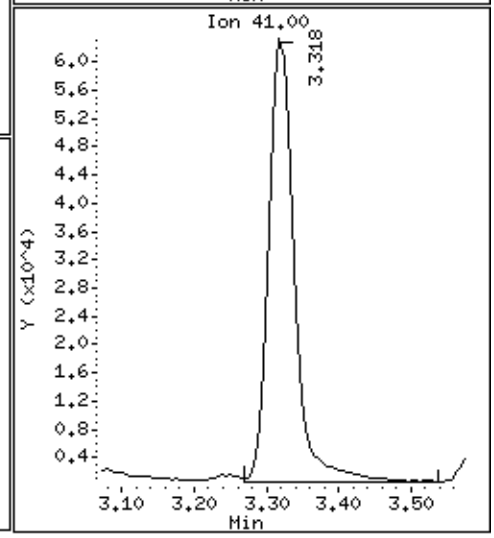












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

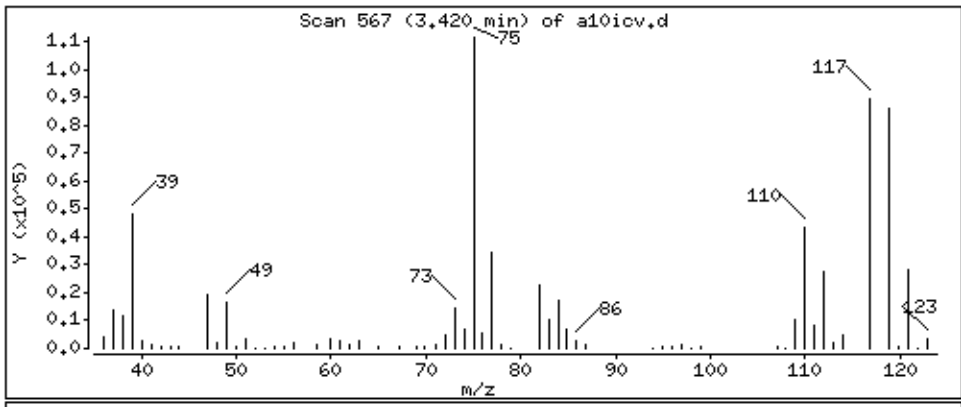
Operator: ala

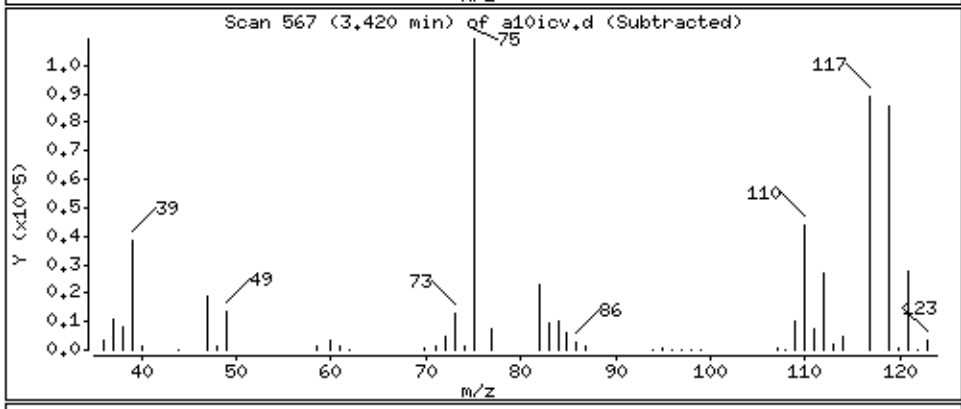
Column phase: DB-624

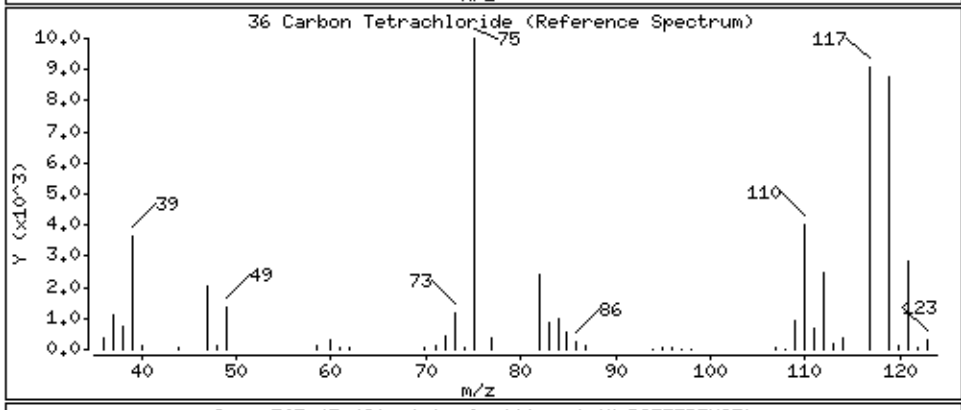
Column diameter: 0.18

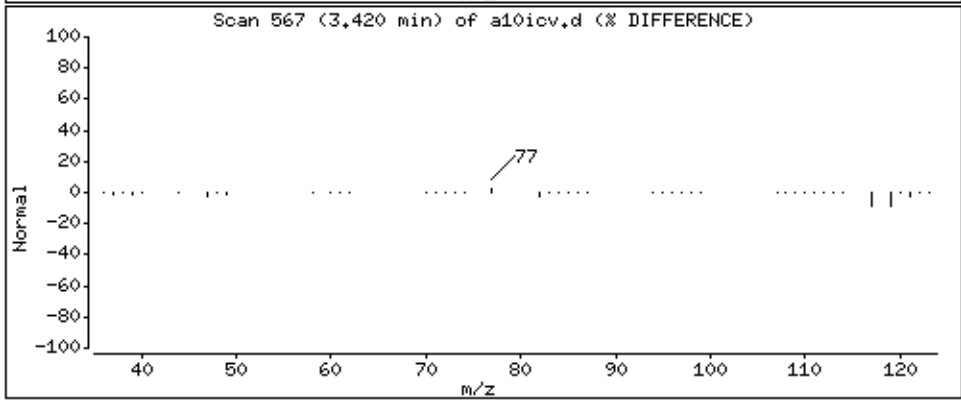
36 Carbon Tetrachloride

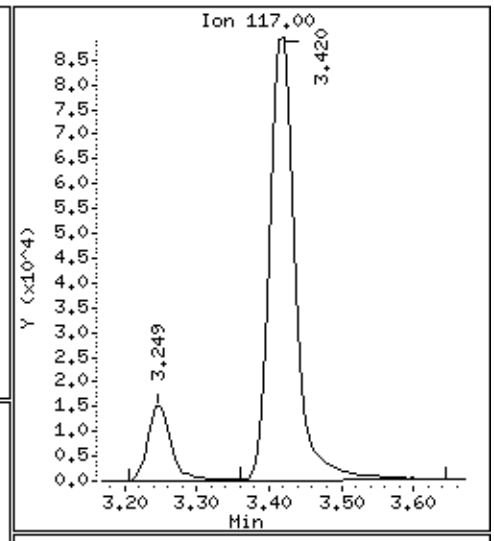
Concentration: 50.6 ppb

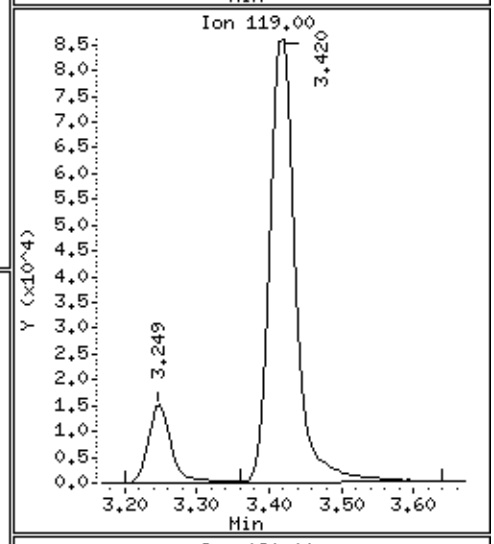


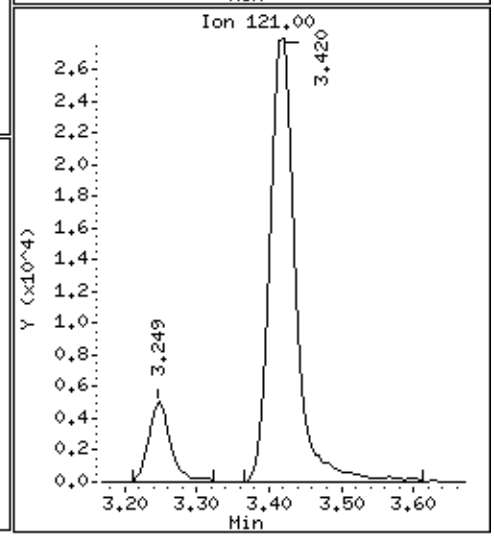












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

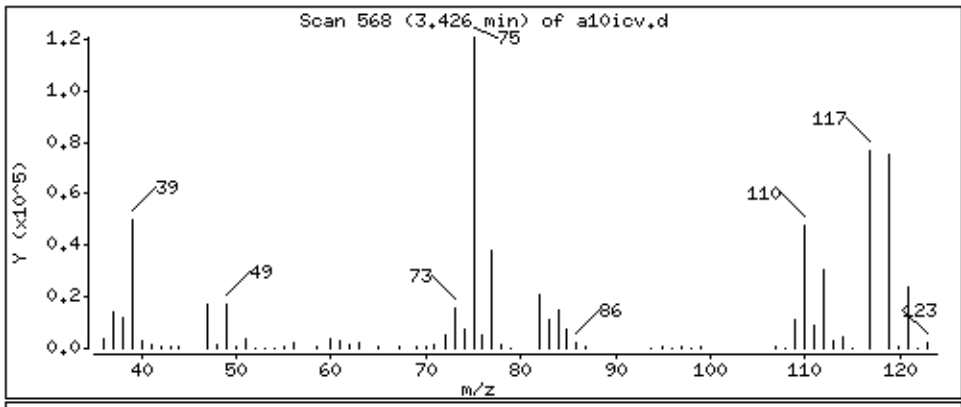
Operator: ala

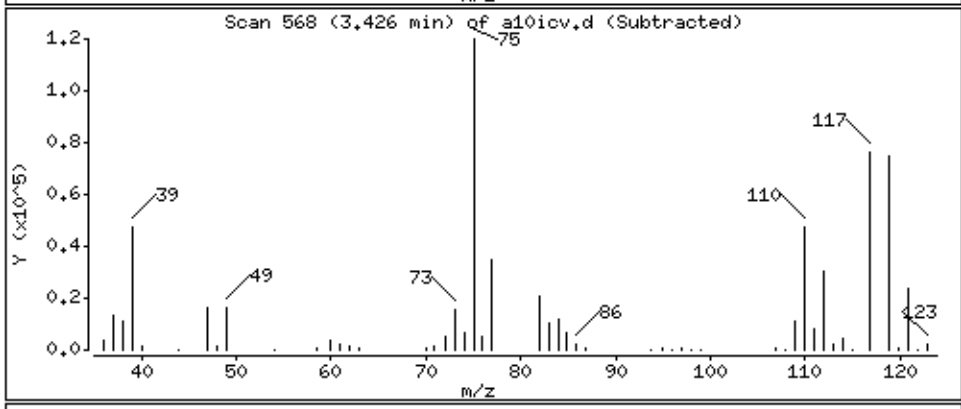
Column phase: DB-624

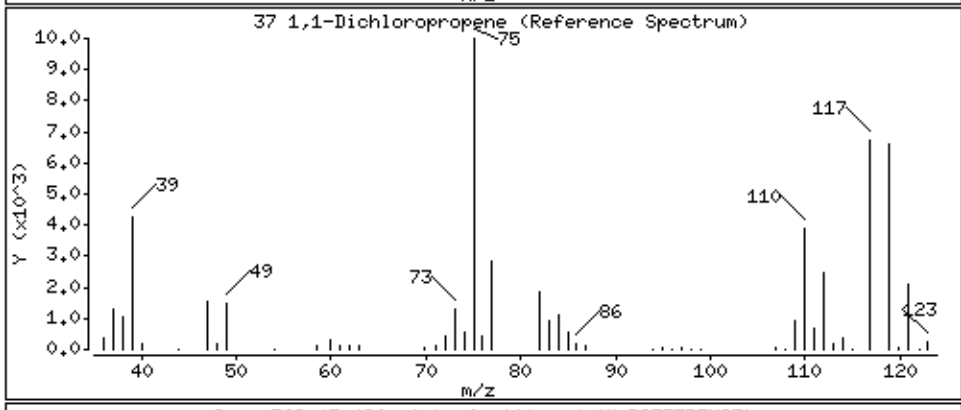
Column diameter: 0.18

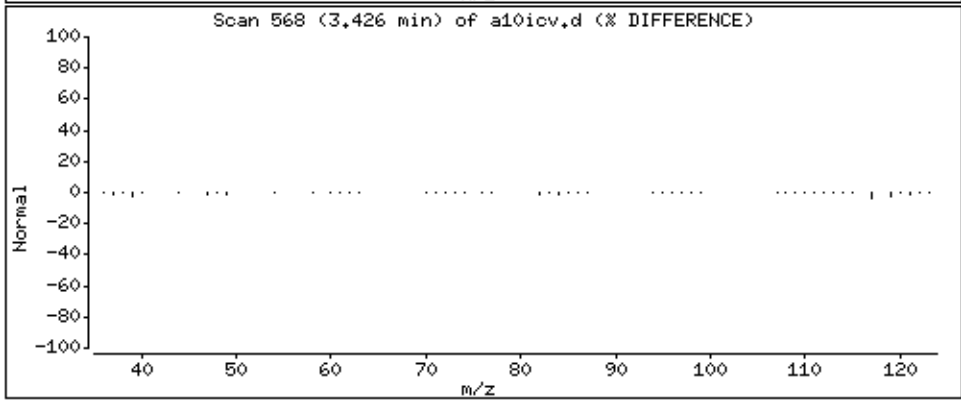
37 1,1-Dichloropropene

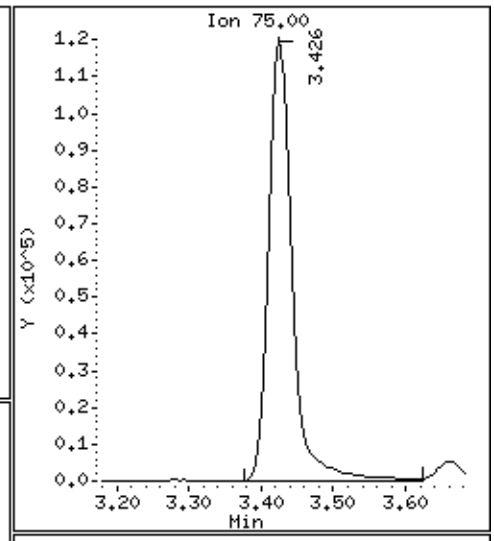
Concentration: 52.9 ppb

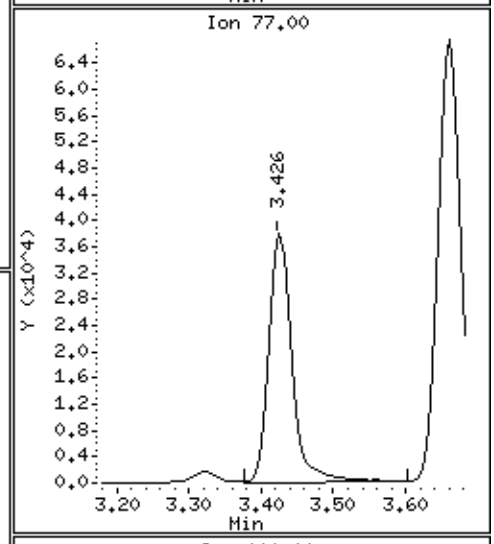


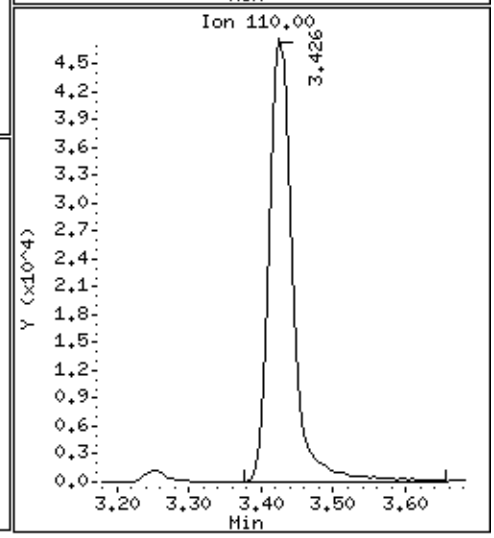












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

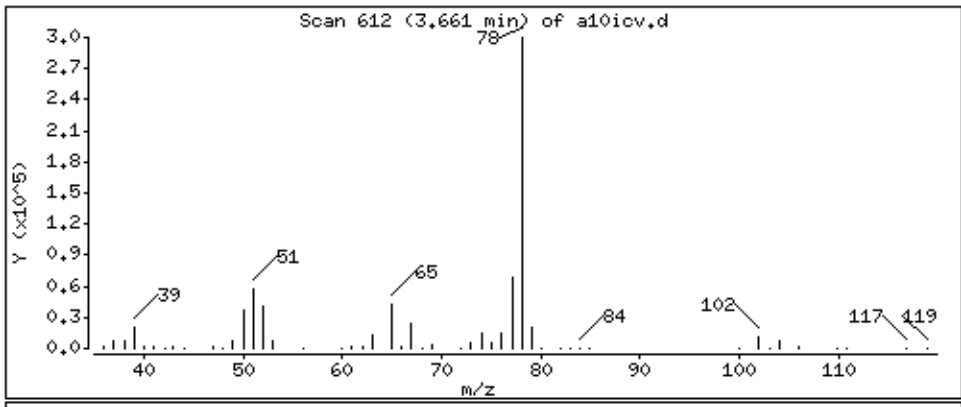
Operator: ala

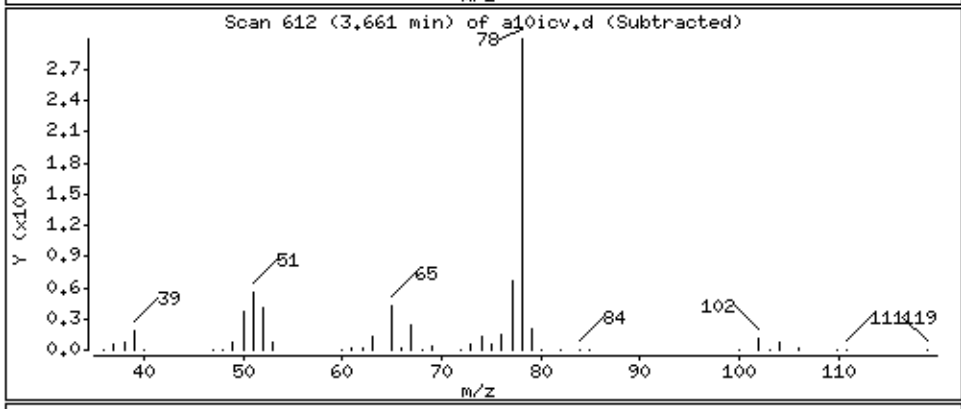
Column phase: DB-624

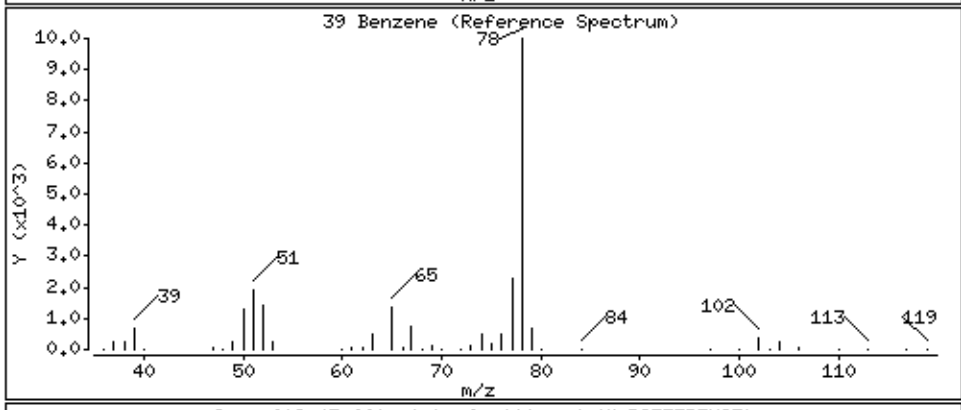
Column diameter: 0.18

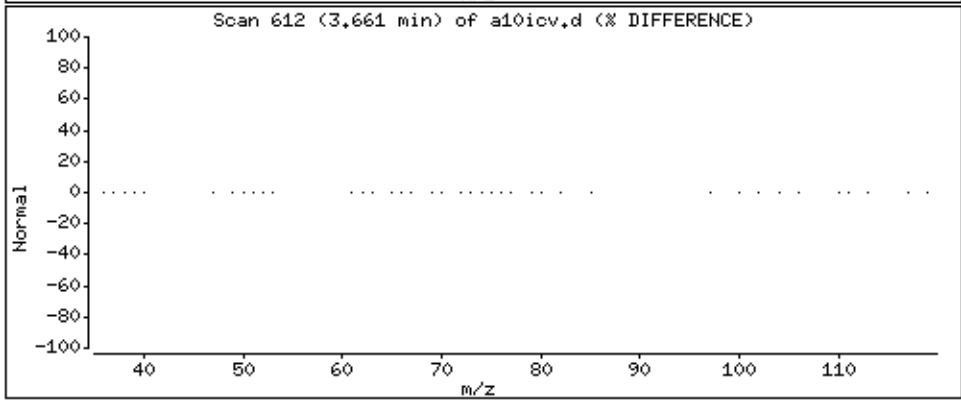
39 Benzene

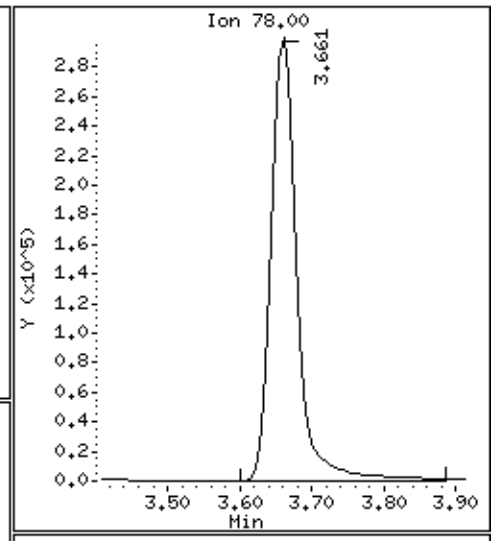
Concentration: 51.2 ppb

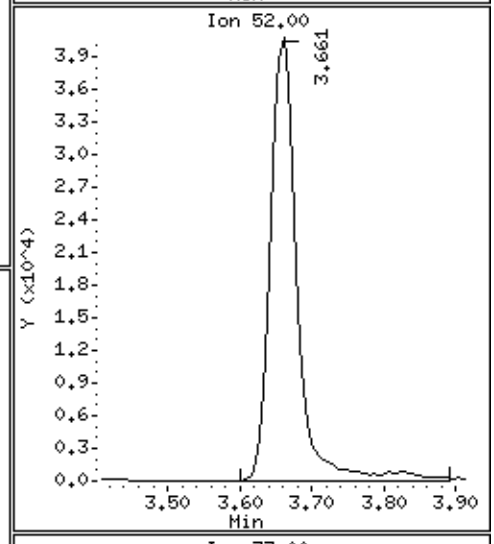


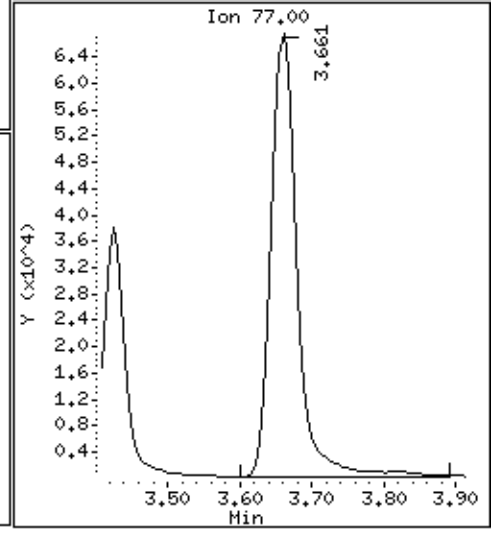












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

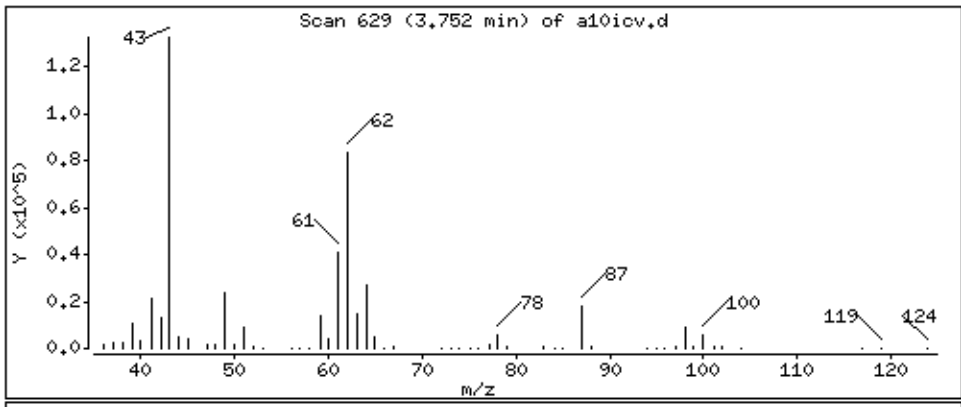
Operator: ala

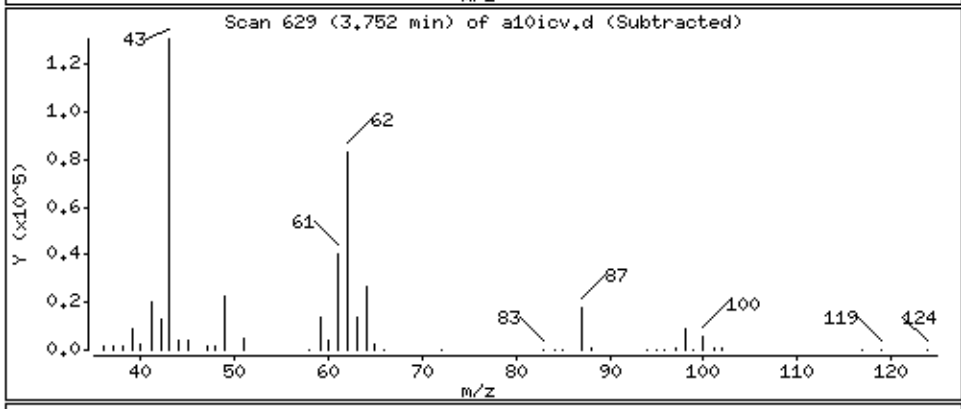
Column phase: DB-624

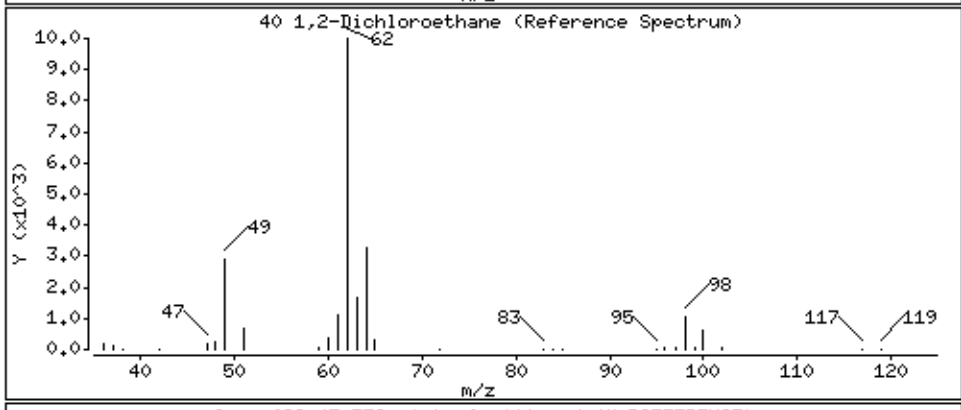
Column diameter: 0.18

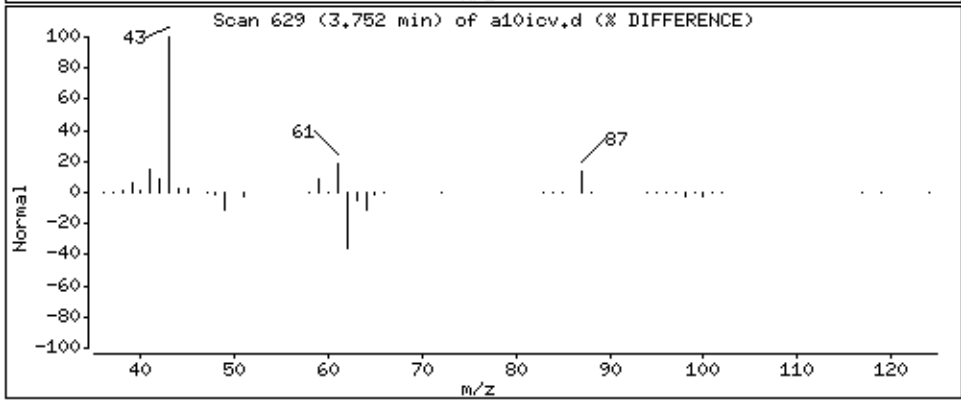
40 1,2-Dichloroethane

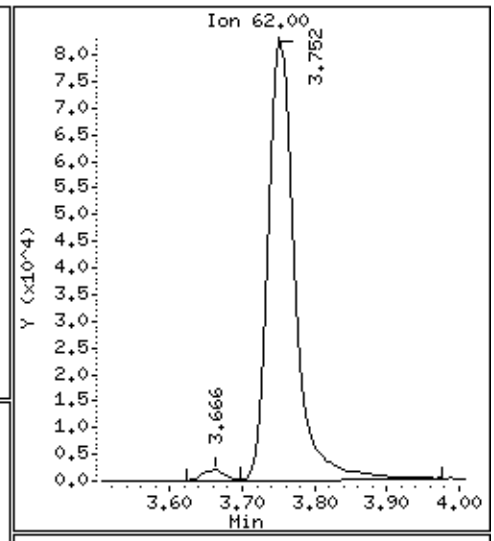
Concentration: 45.6 ppb

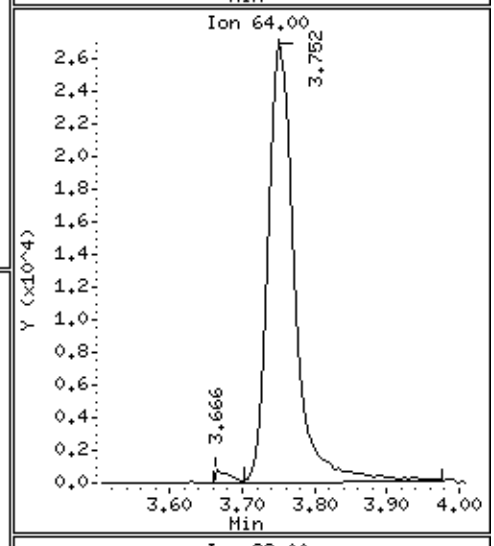


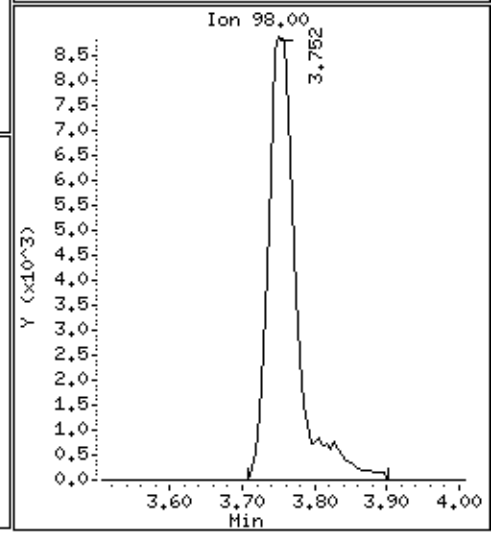












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

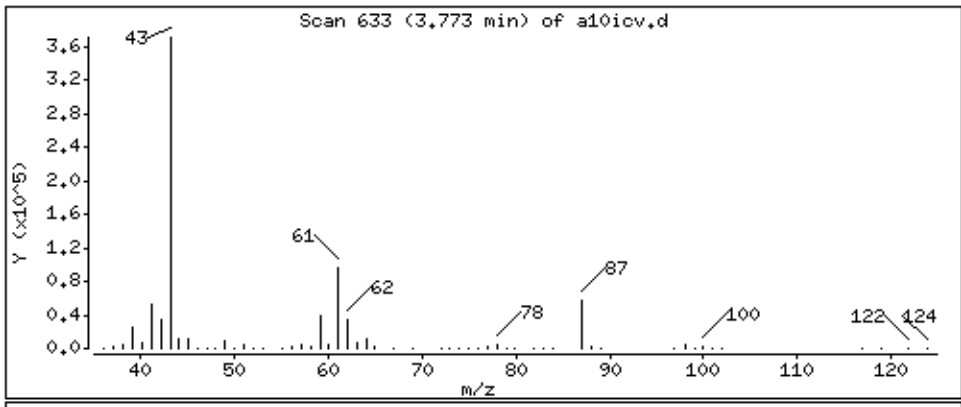
Operator: ala

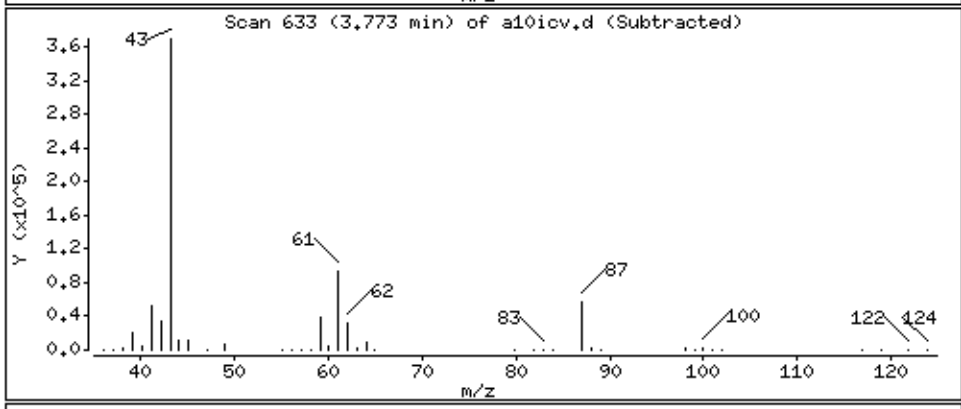
Column phase: DB-624

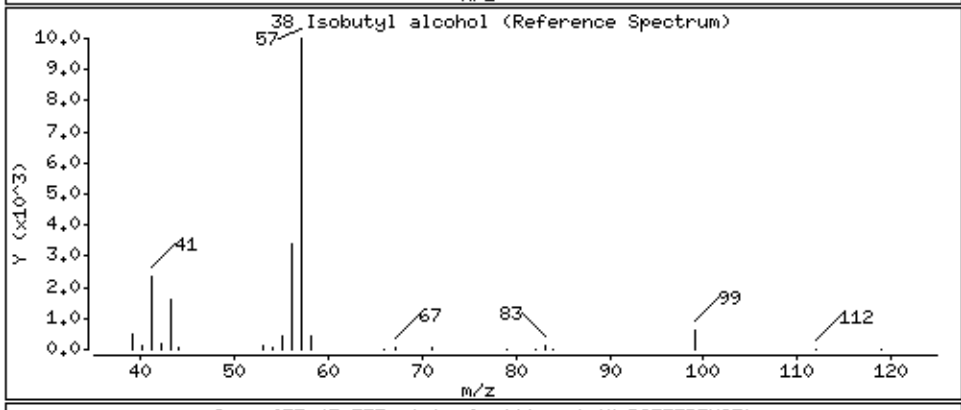
Column diameter: 0.18

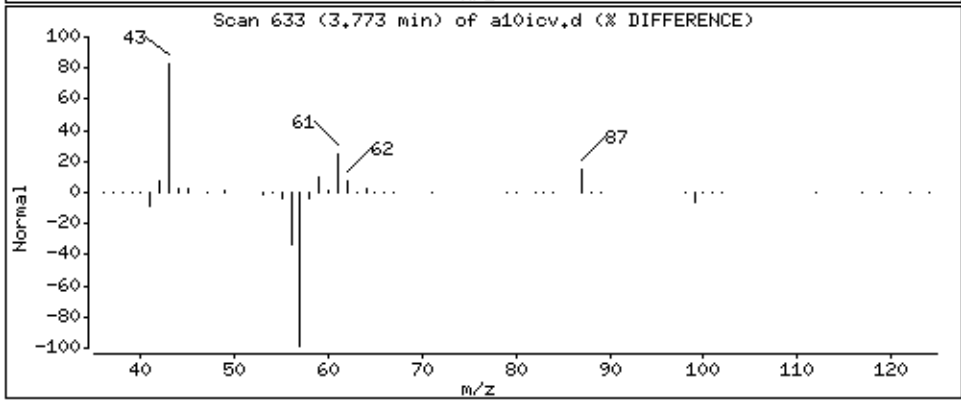
38 Isobutyl alcohol

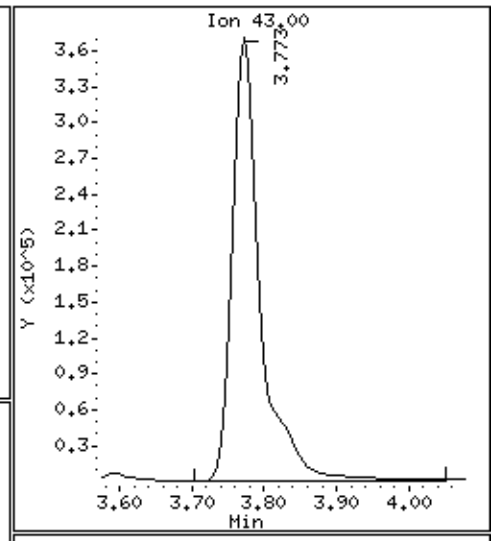
Concentration: 515 ppb

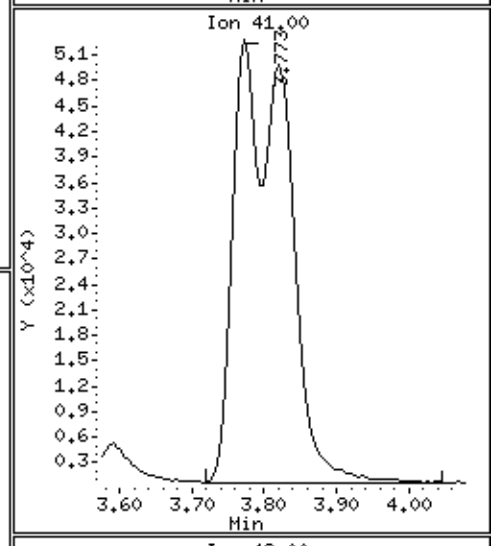


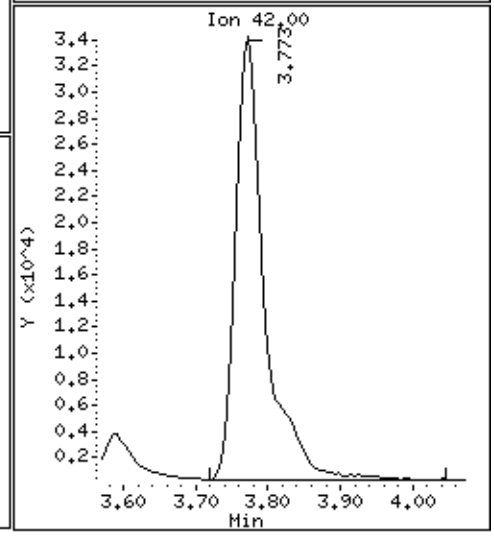












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

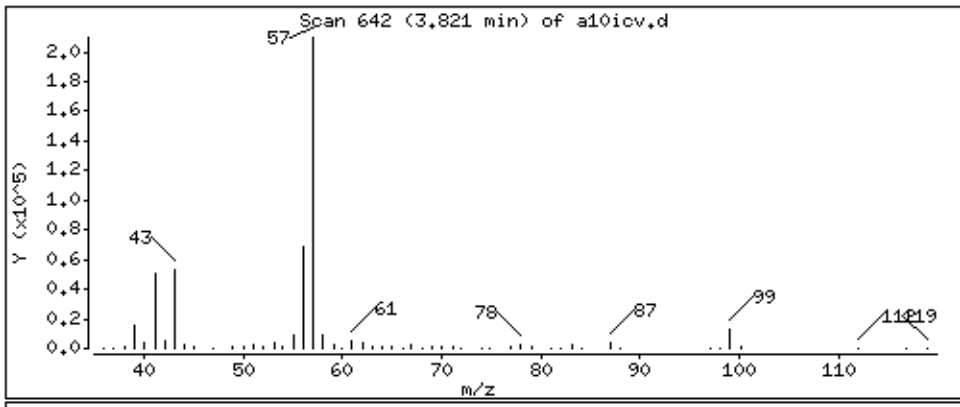
Operator: ala

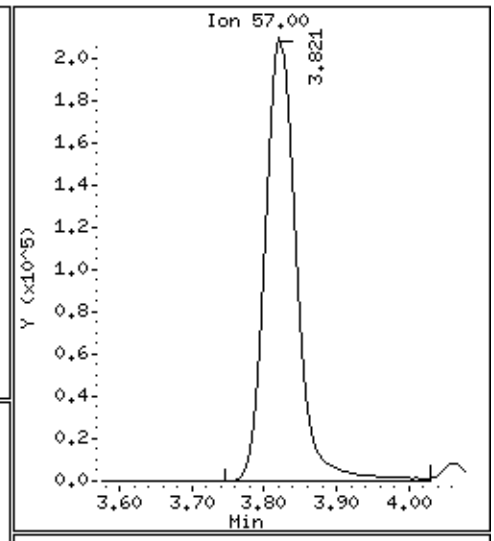
Column phase: DB-624

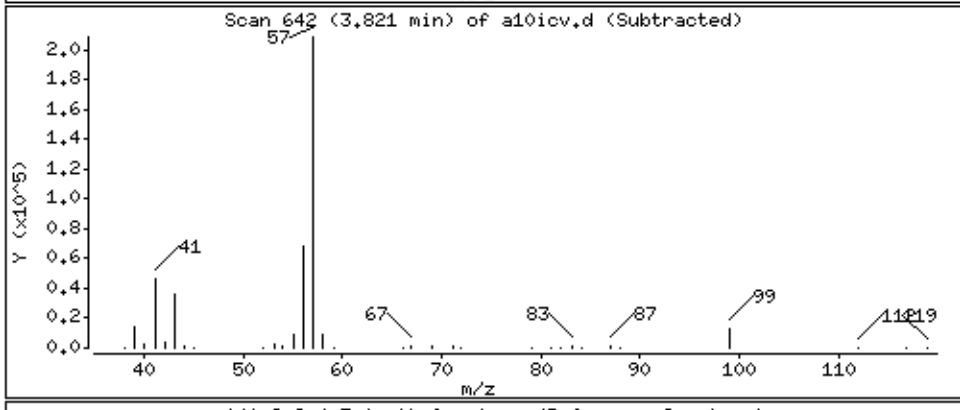
Column diameter: 0.18

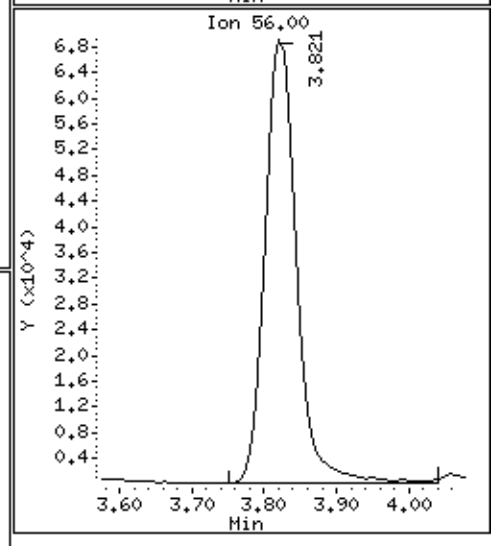
141 2,2,4-Trimethylpentane

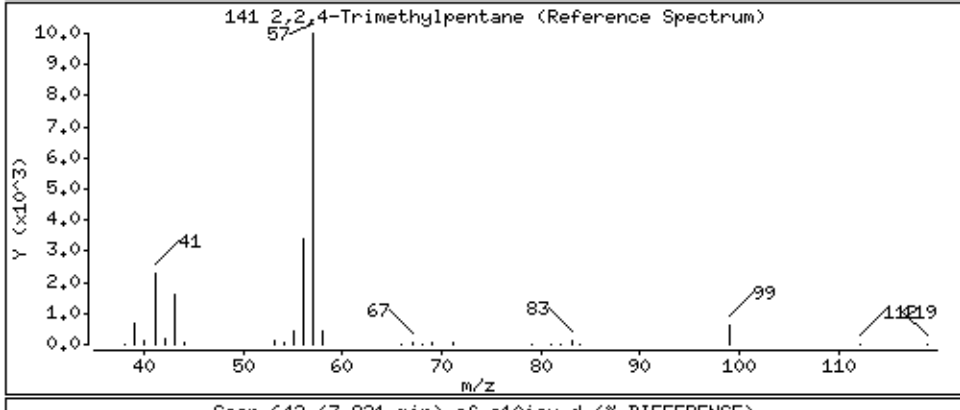
Concentration: 51.9 ppb

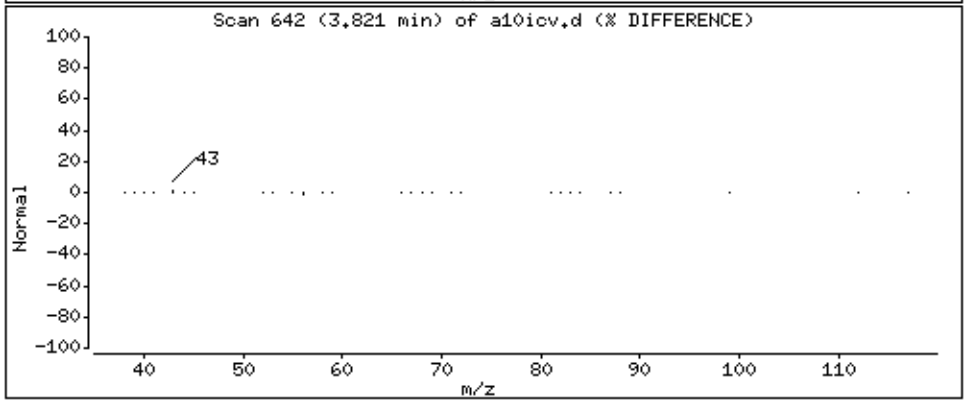












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

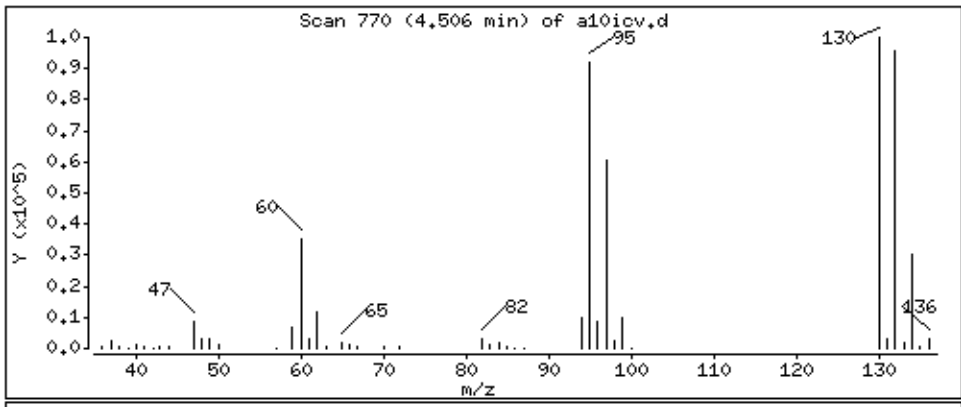
Operator: ala

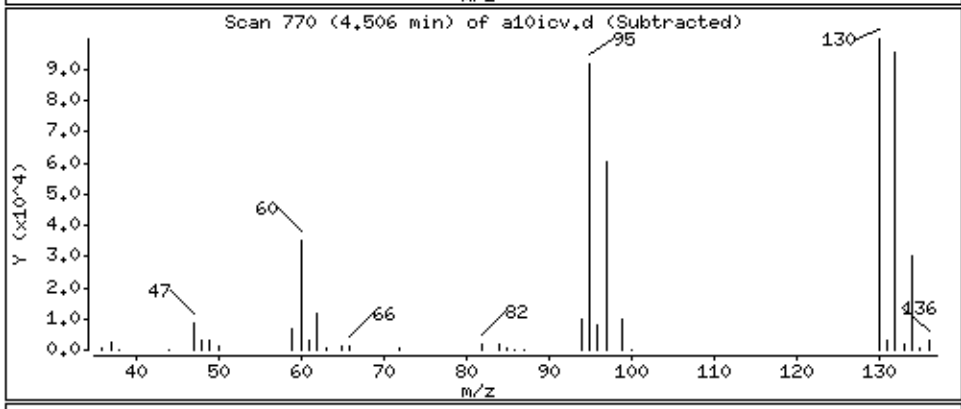
Column phase: DB-624

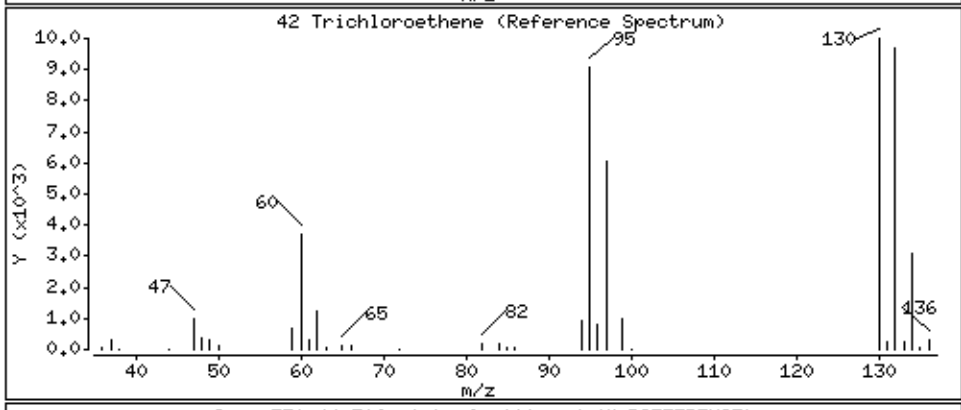
Column diameter: 0.18

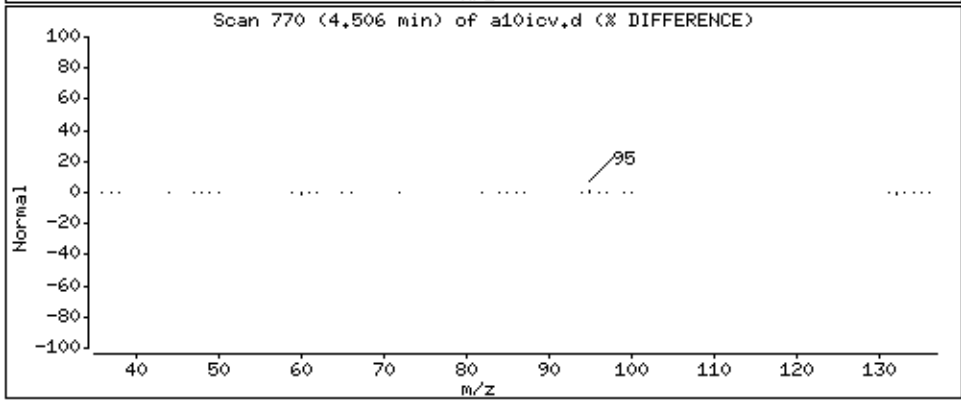
42 Trichloroethene

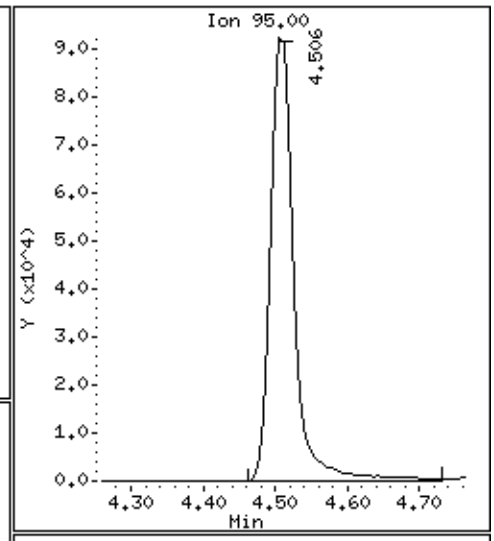
Concentration: 51.3 ppb

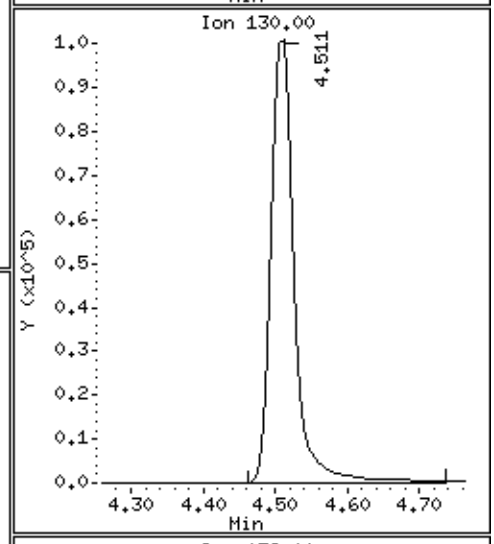


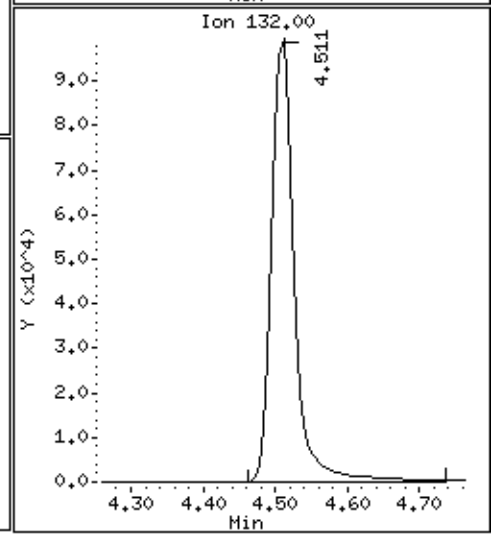












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

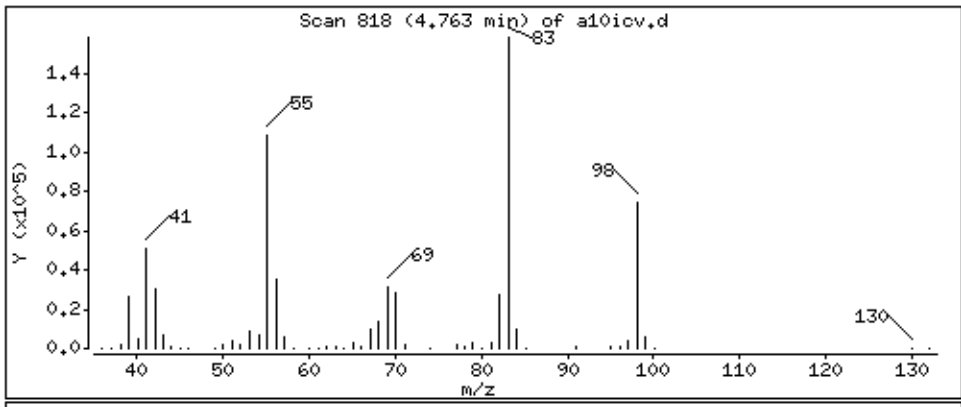
Operator: ala

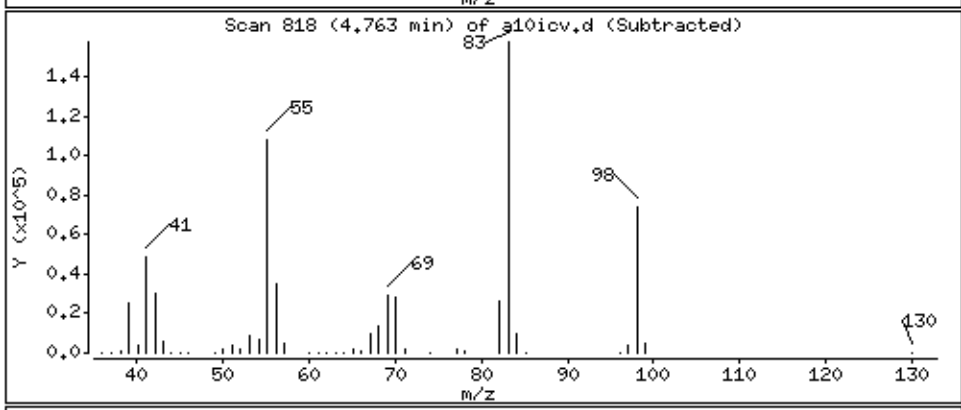
Column phase: DB-624

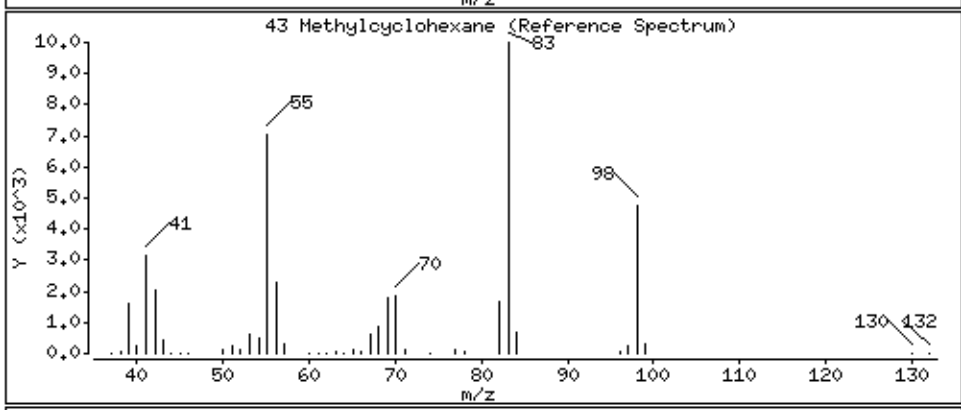
Column diameter: 0.18

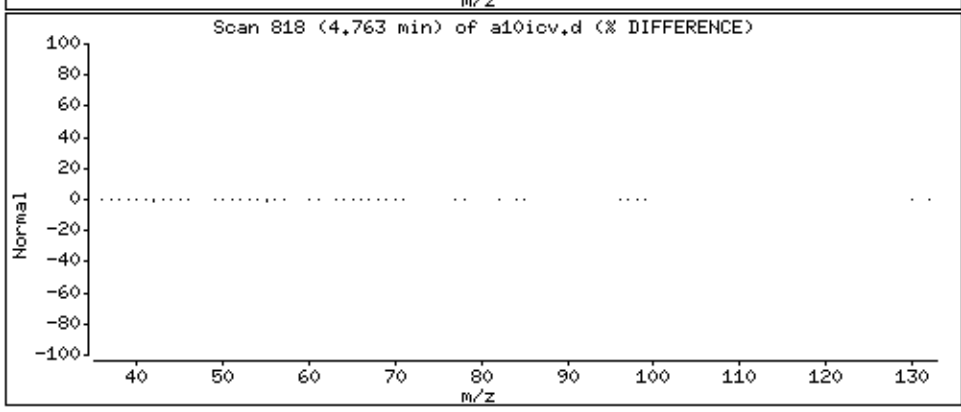
43 Methylcyclohexane

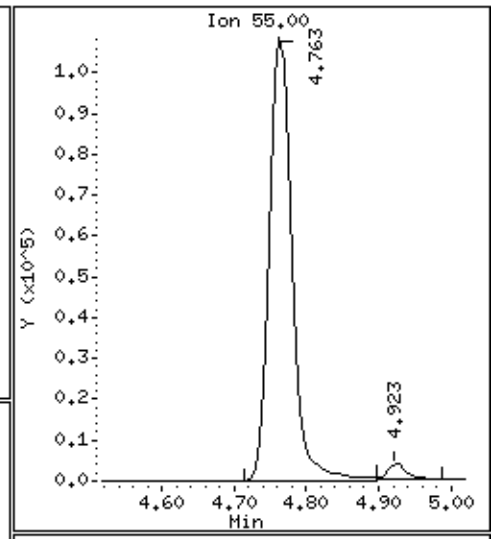
Concentration: 55.7 ppb

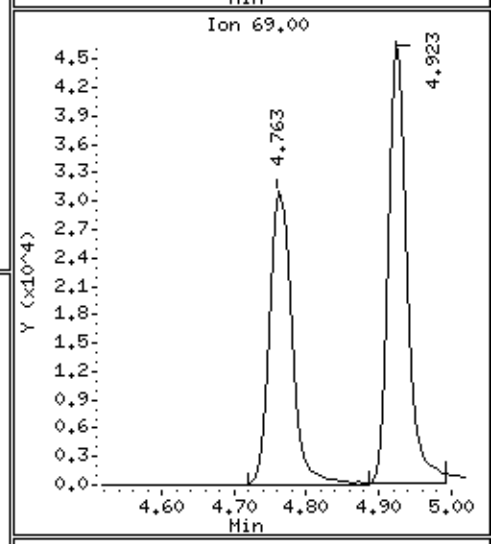


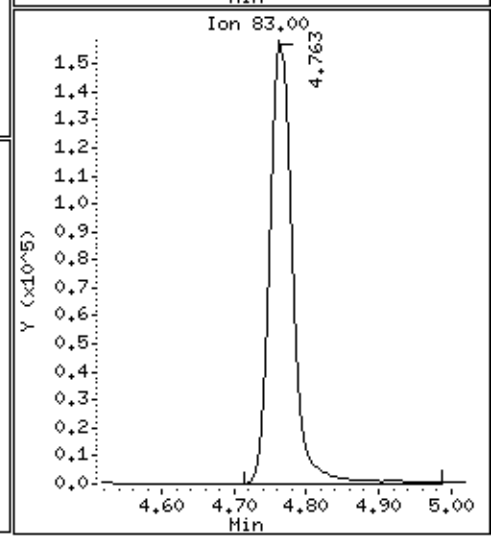












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

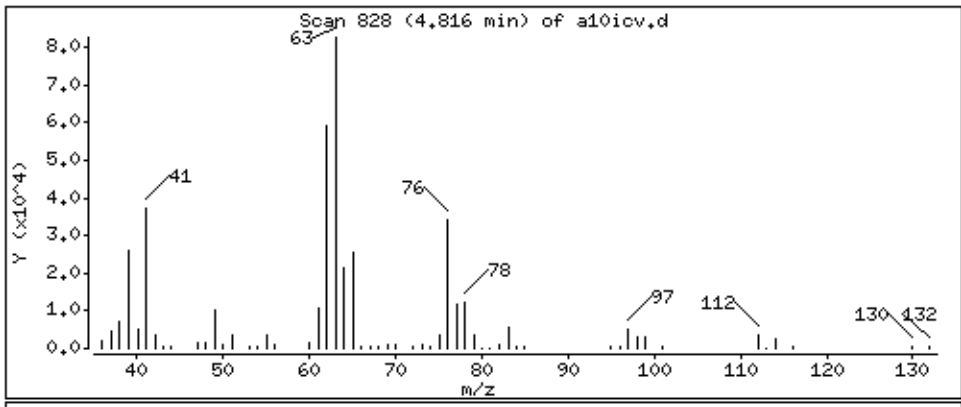
Operator: ala

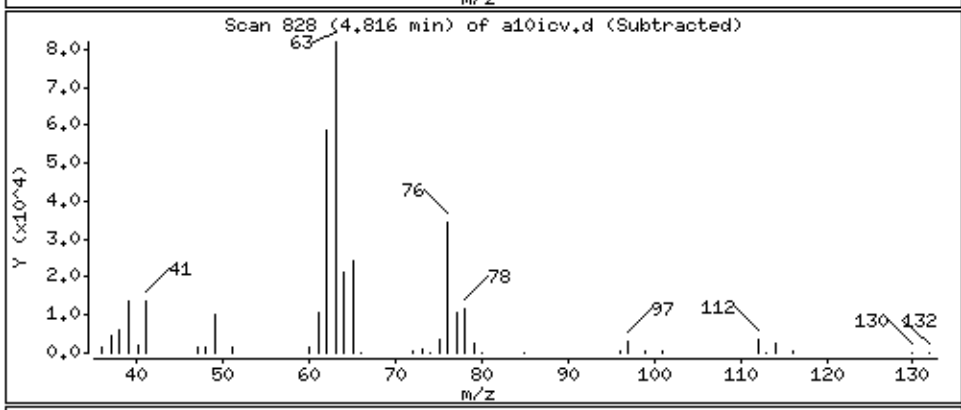
Column phase: DB-624

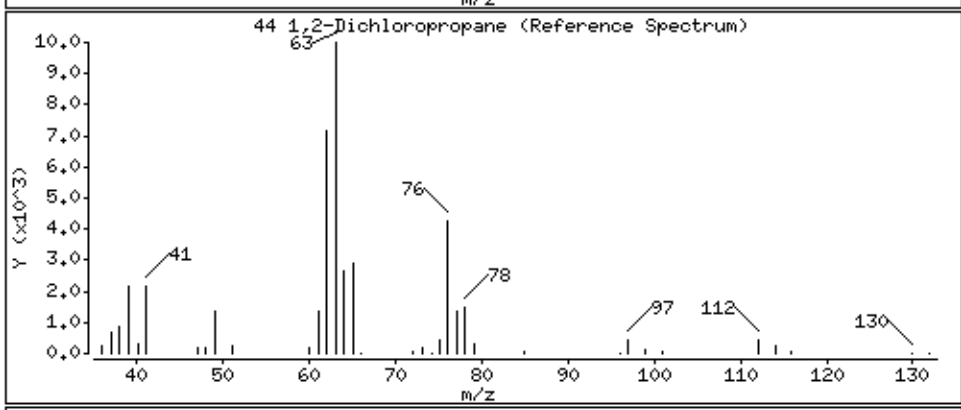
Column diameter: 0.18

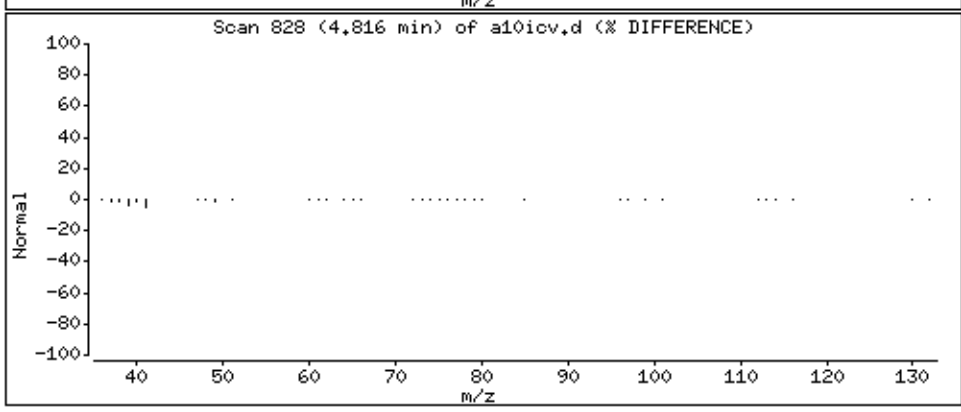
44 1,2-Dichloropropane

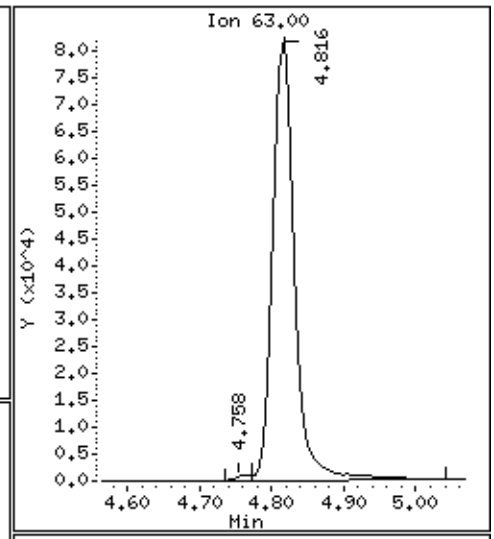
Concentration: 48.6 ppb

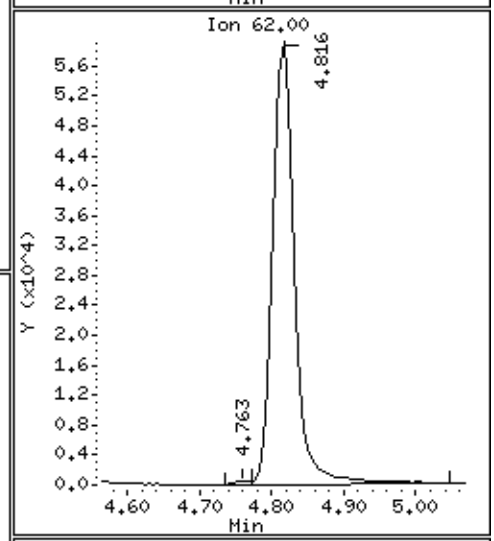


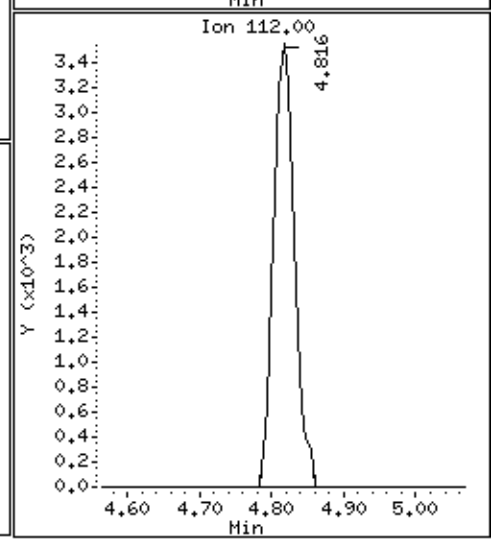












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Page 50

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

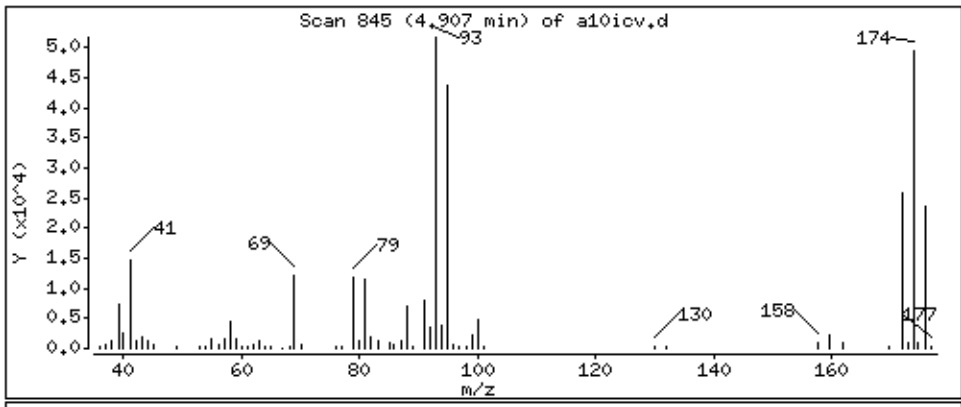
Operator: ala

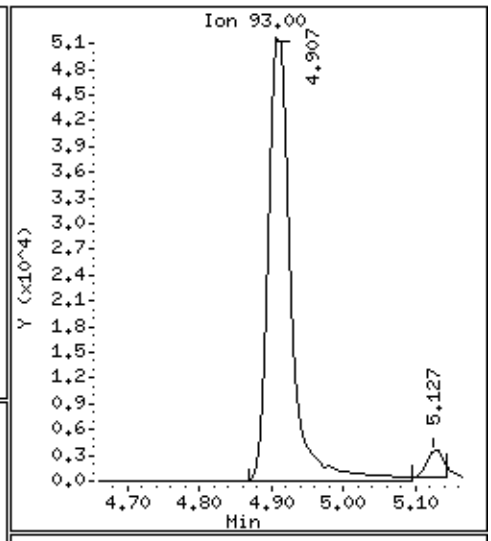
Column phase: DB-624

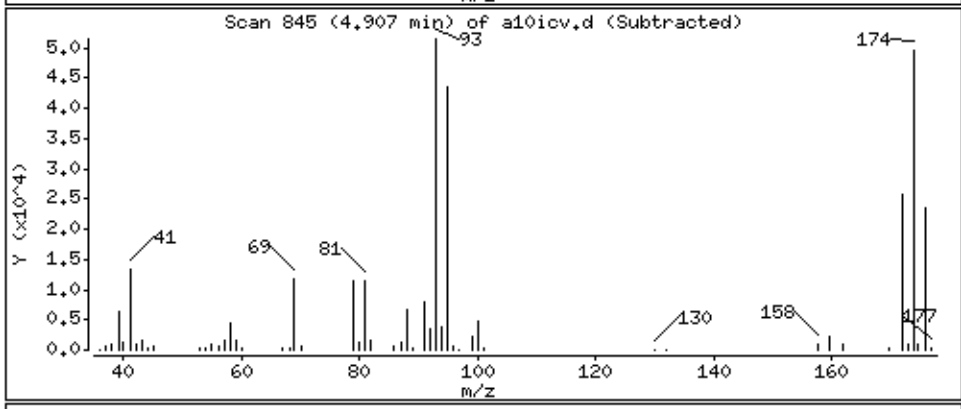
Column diameter: 0.18

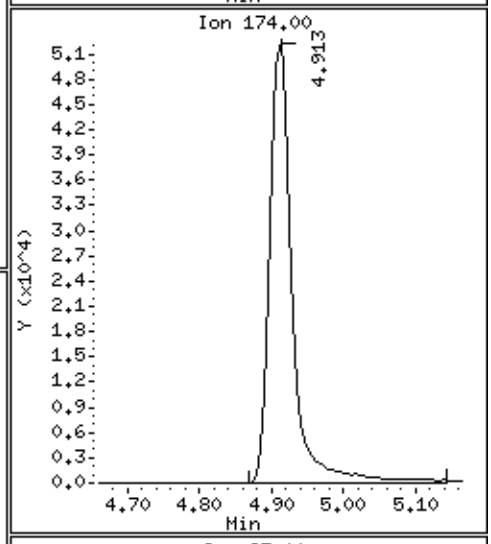
45 Dibromomethane

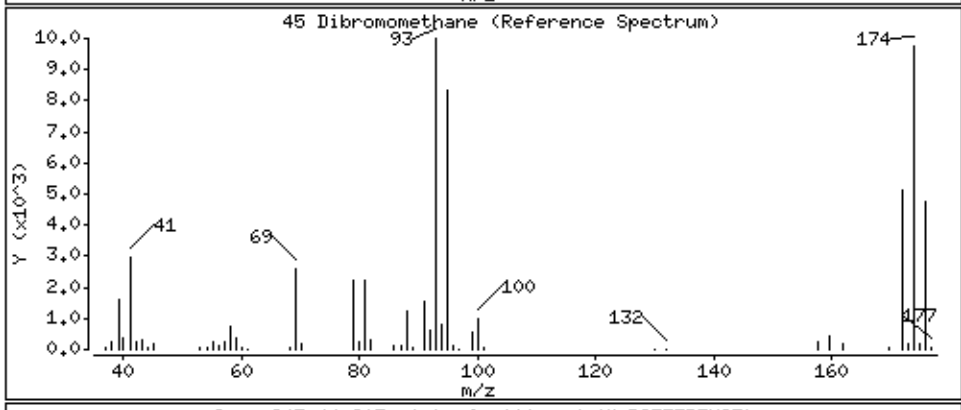
Concentration: 46.2 ppb

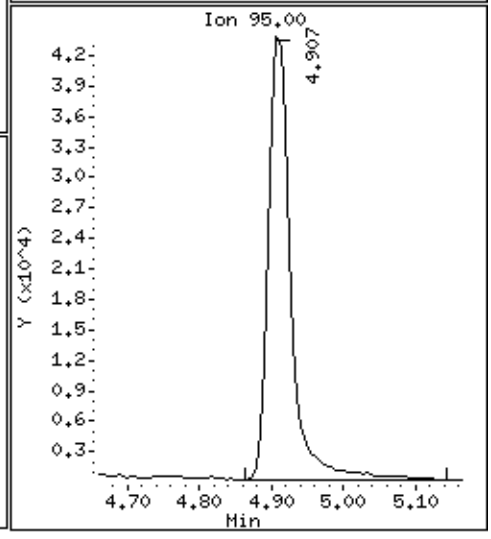


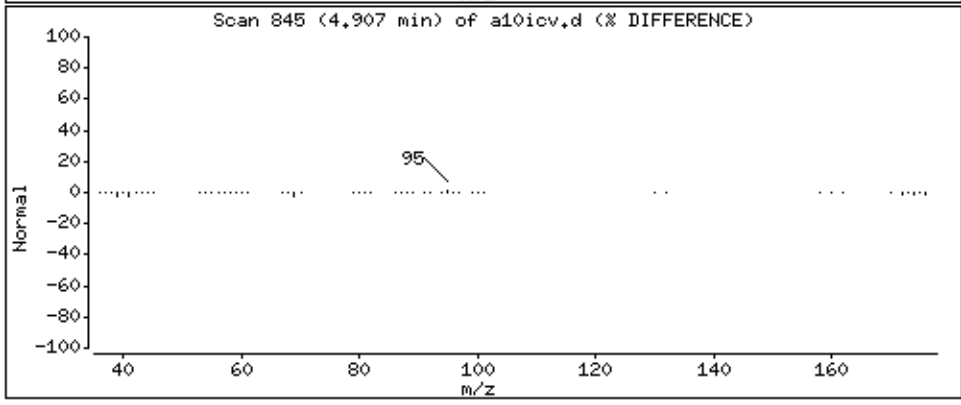












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

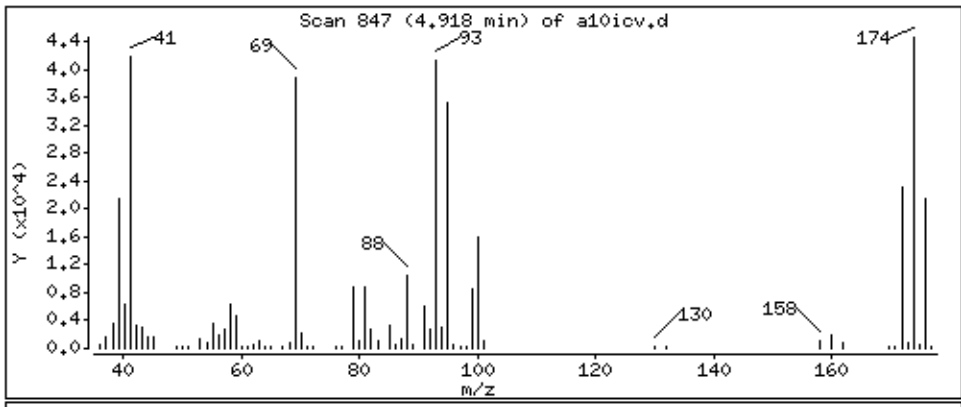
Operator: ala

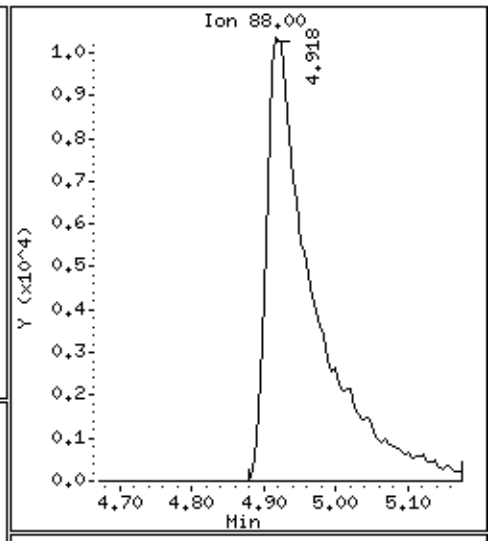
Column phase: DB-624

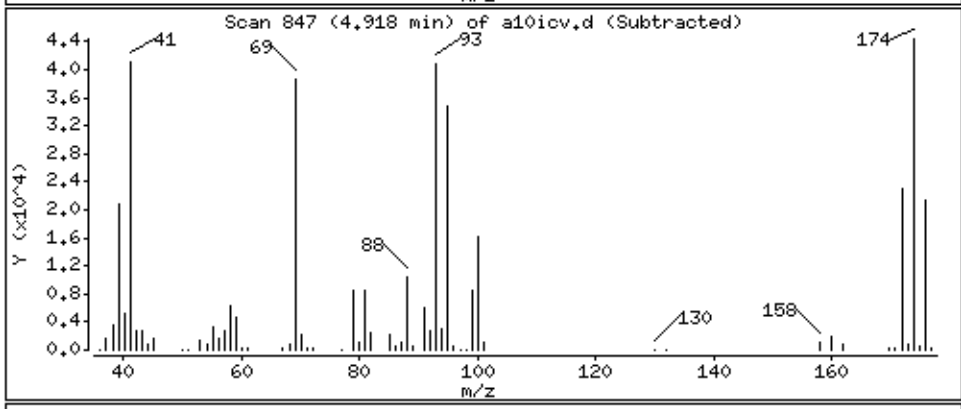
Column diameter: 0.18

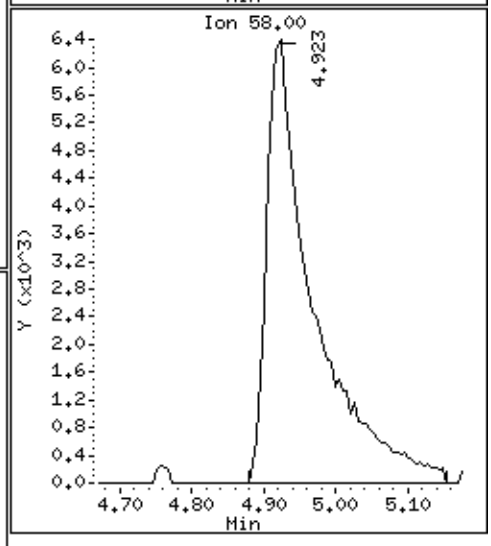
142 1,4-Dioxane

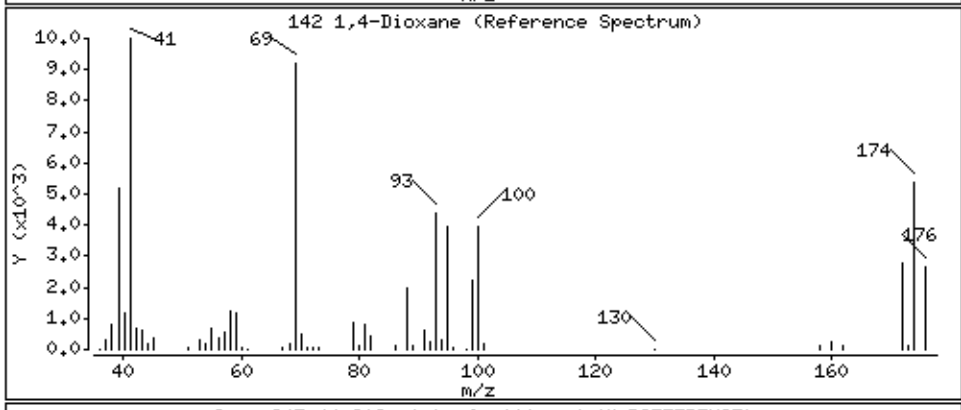
Concentration: 1010 ppb

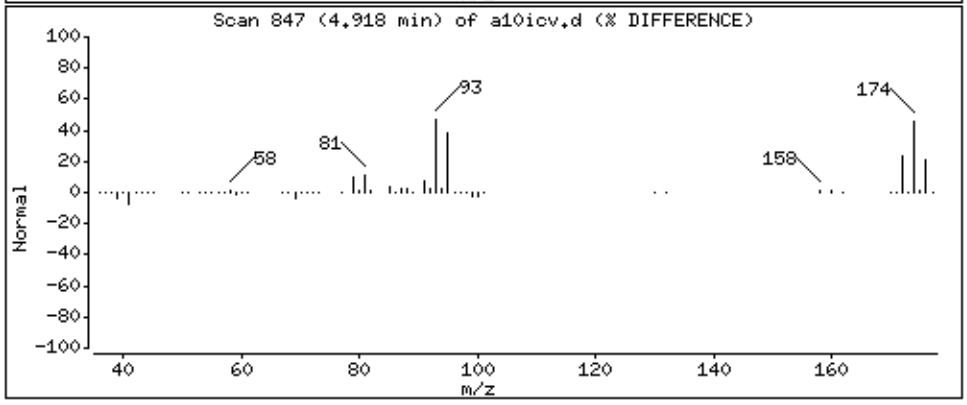












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

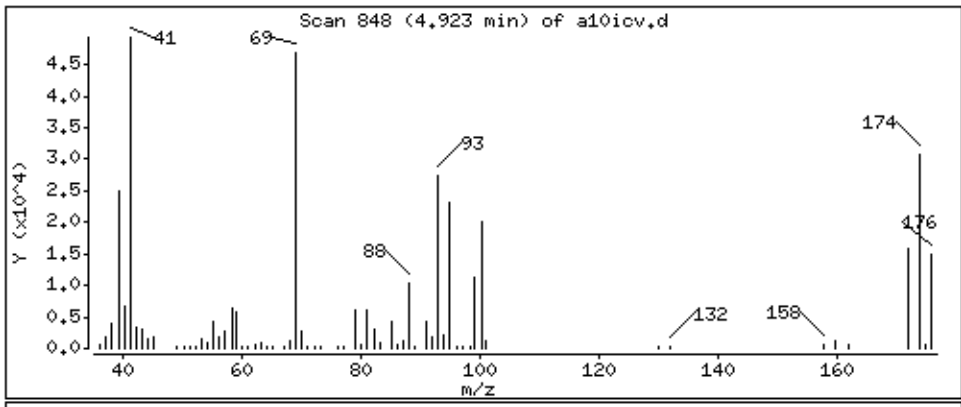
Operator: ala

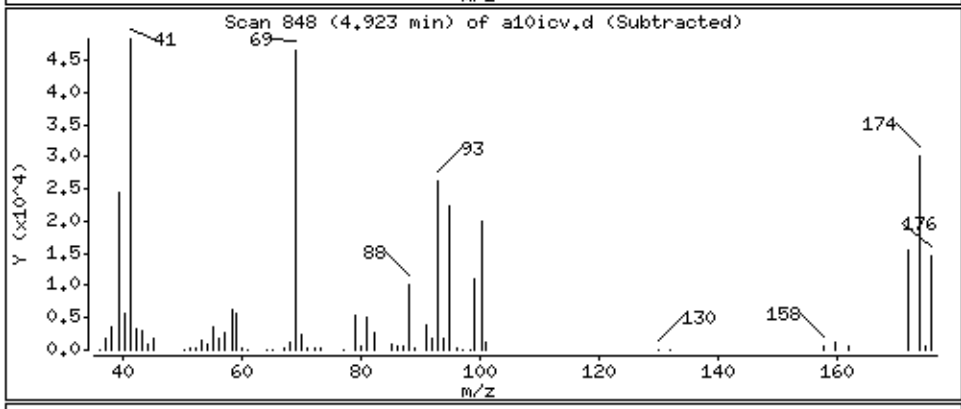
Column phase: DB-624

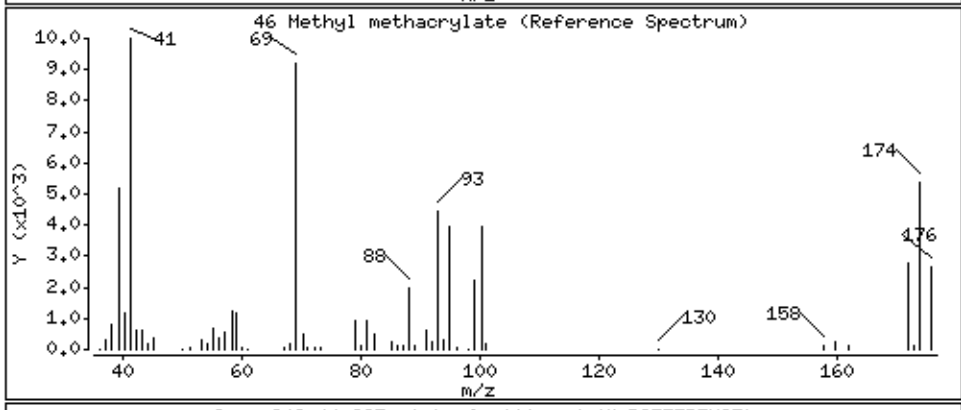
Column diameter: 0.18

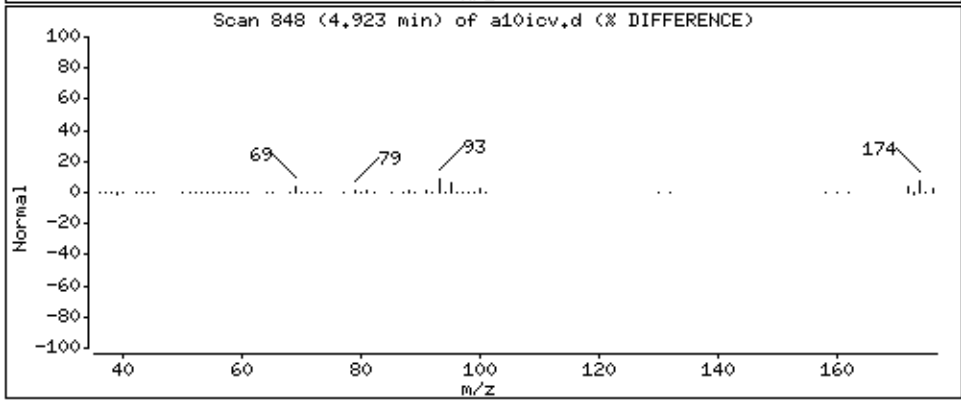
46 Methyl methacrylate

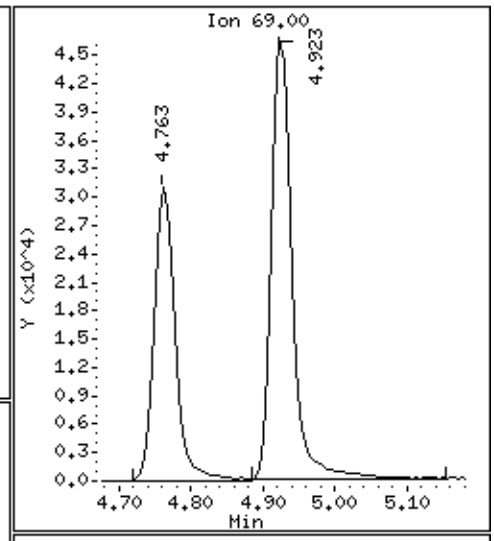
Concentration: 56.2 ppb

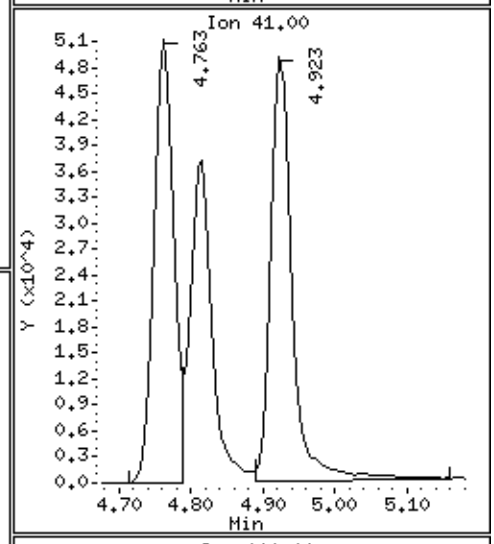


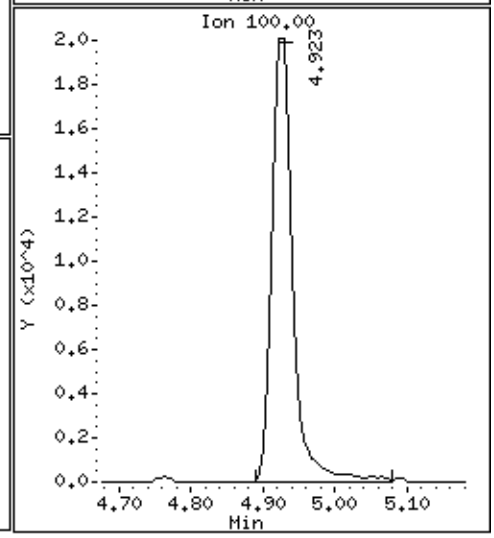












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

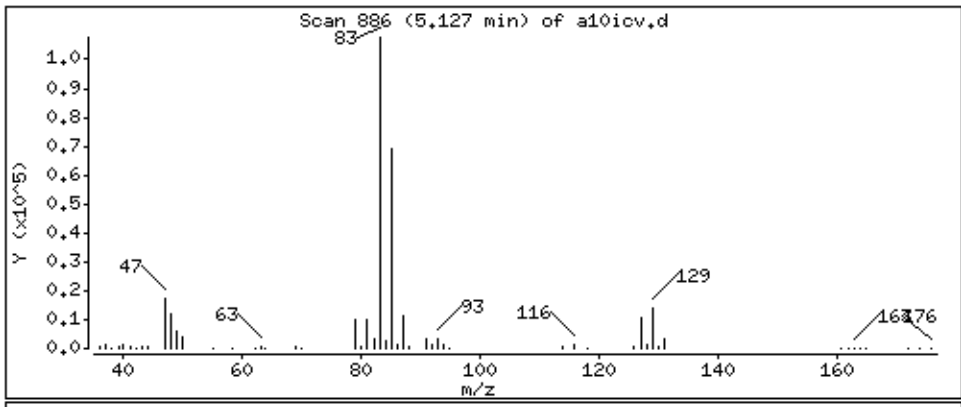
Operator: ala

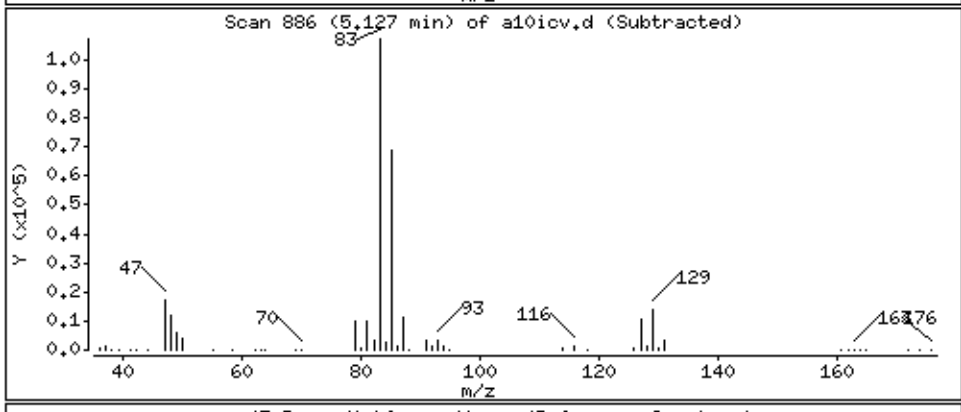
Column phase: DB-624

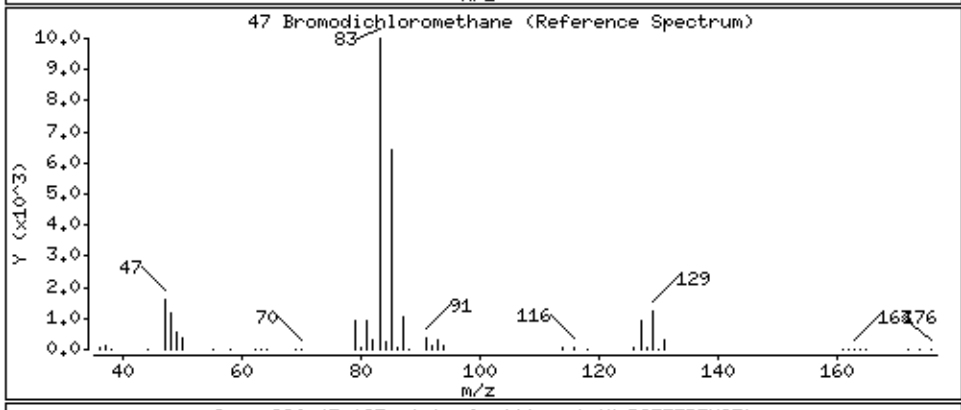
Column diameter: 0.18

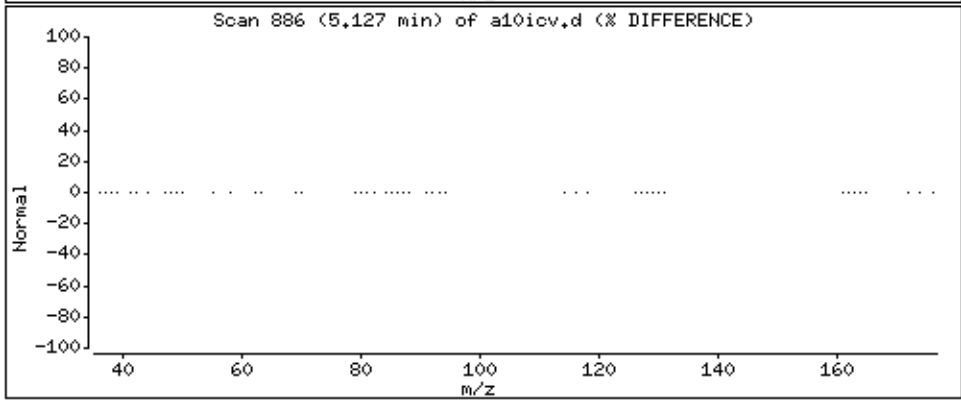
47 Bromodichloromethane

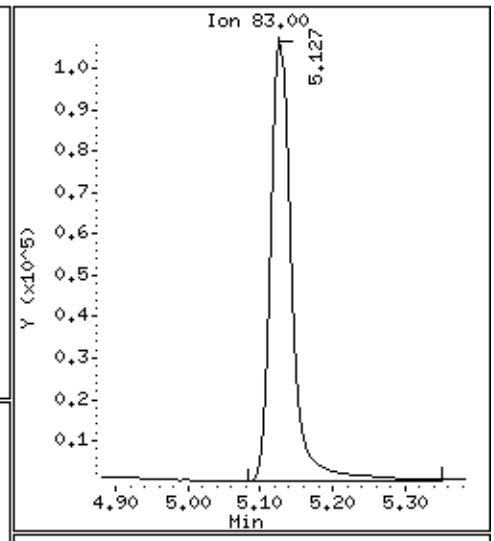
Concentration: 47.4 ppb

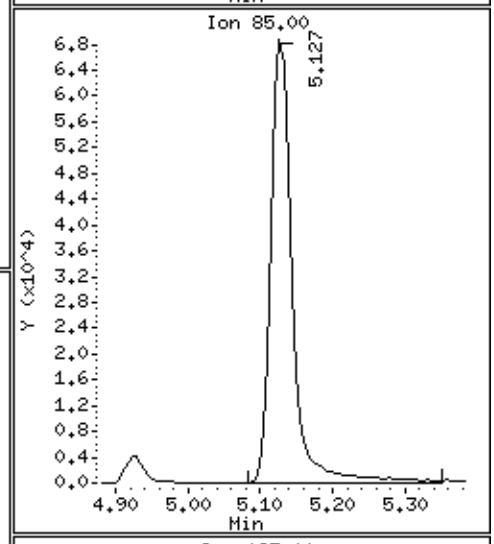


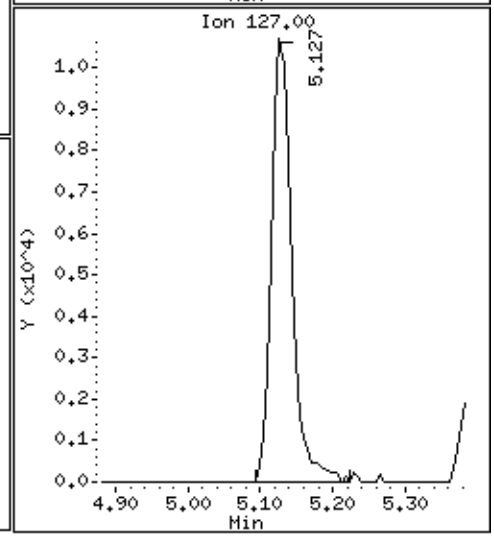












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

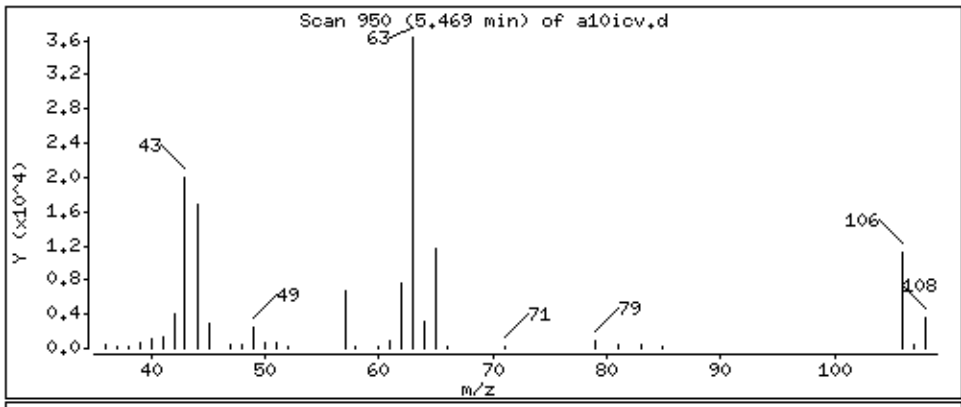
Operator: ala

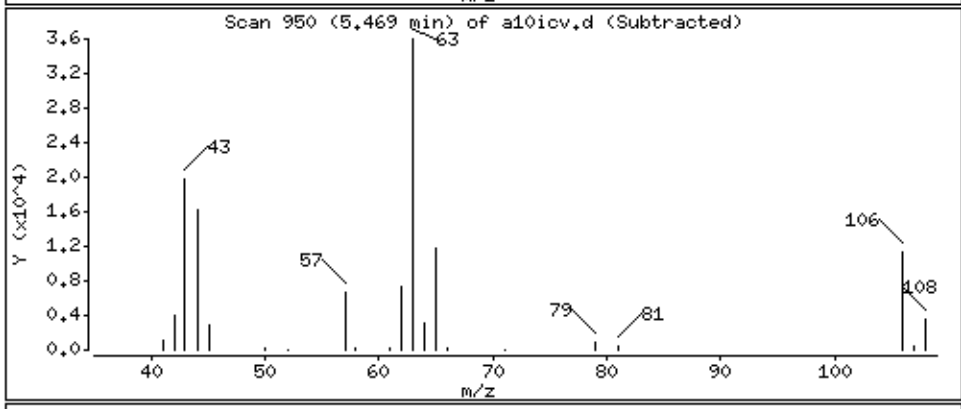
Column phase: DB-624

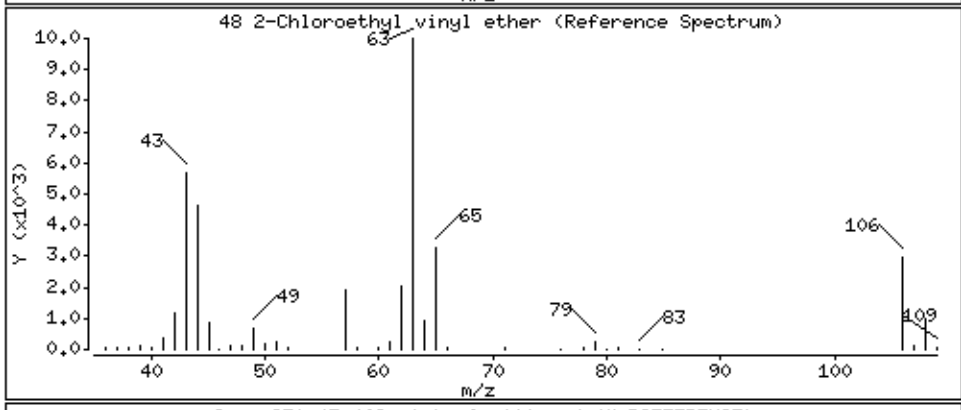
Column diameter: 0.18

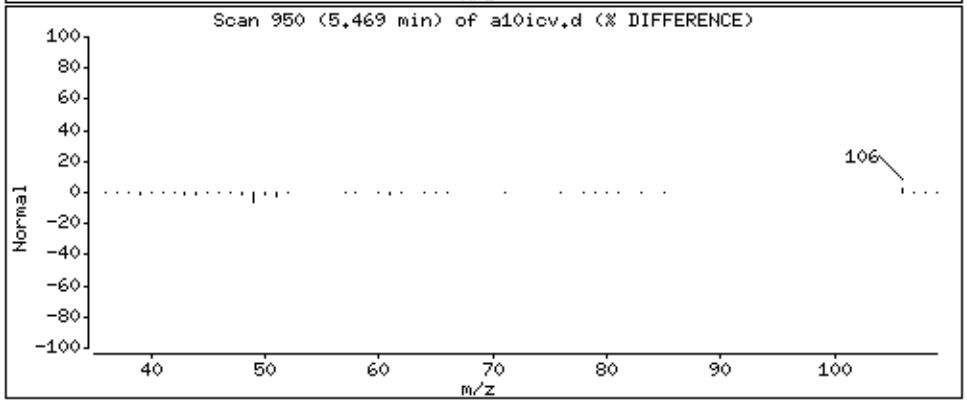
48 2-Chloroethyl vinyl ether

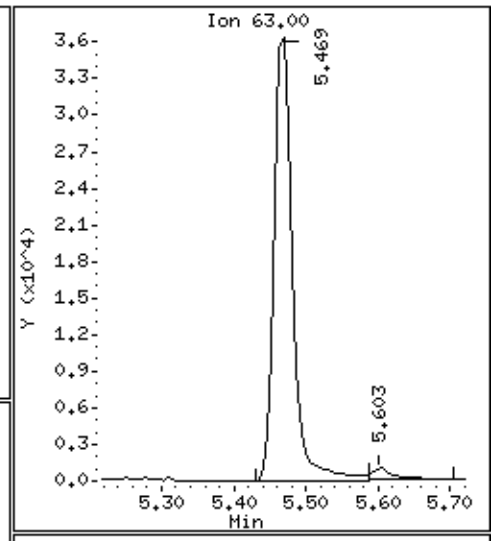
Concentration: 56.0 ppb

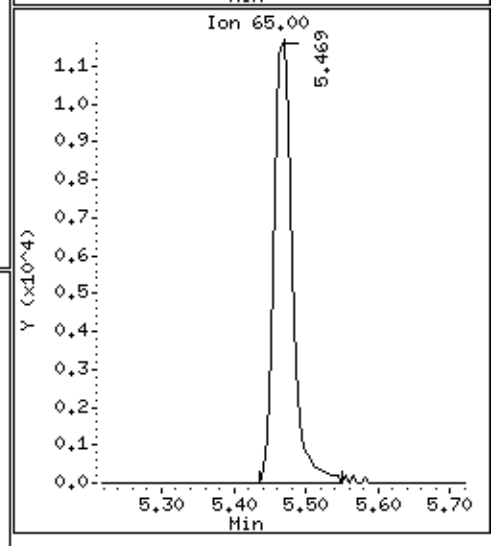












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

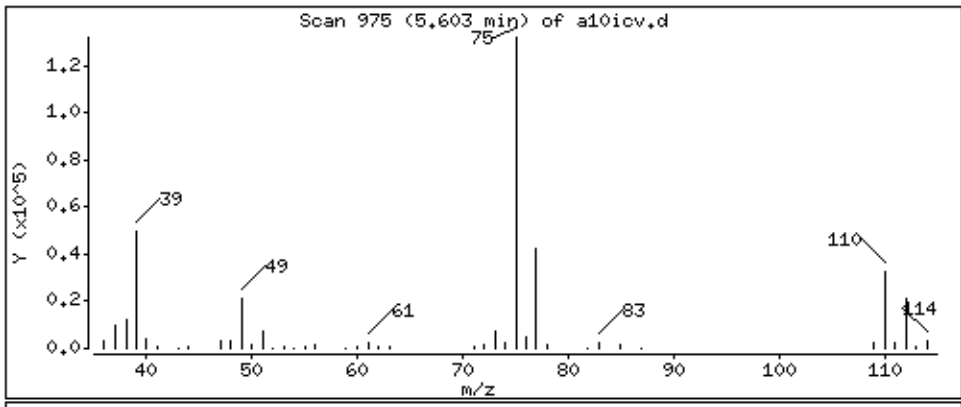
Operator: ala

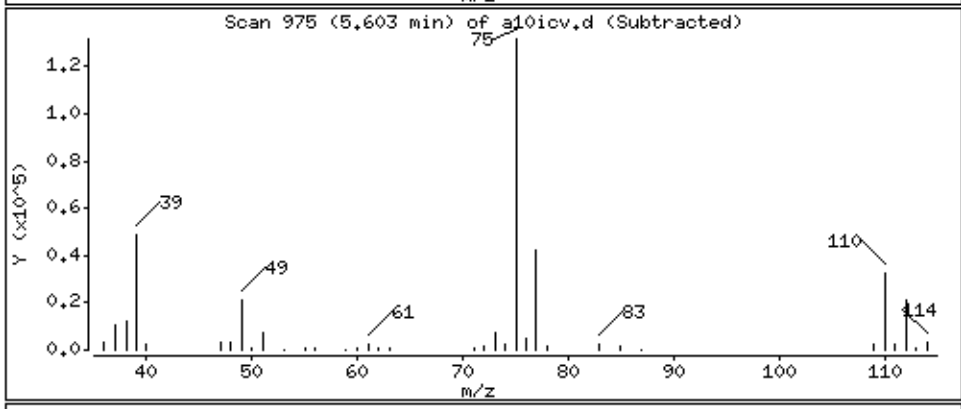
Column phase: DB-624

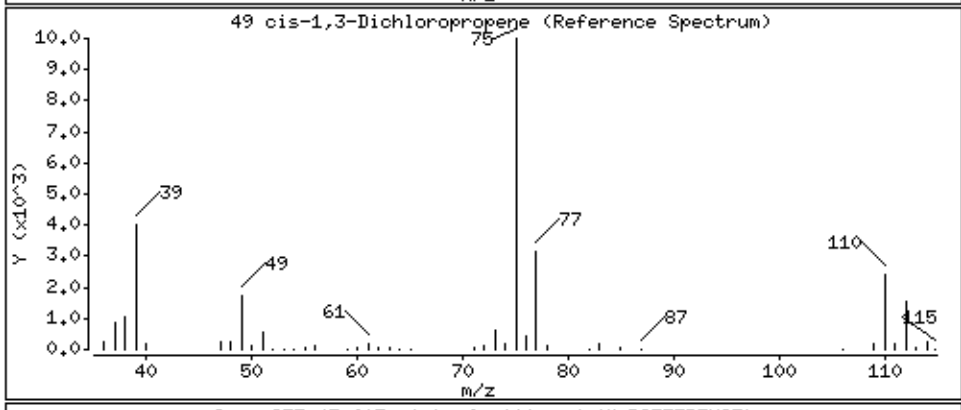
Column diameter: 0.18

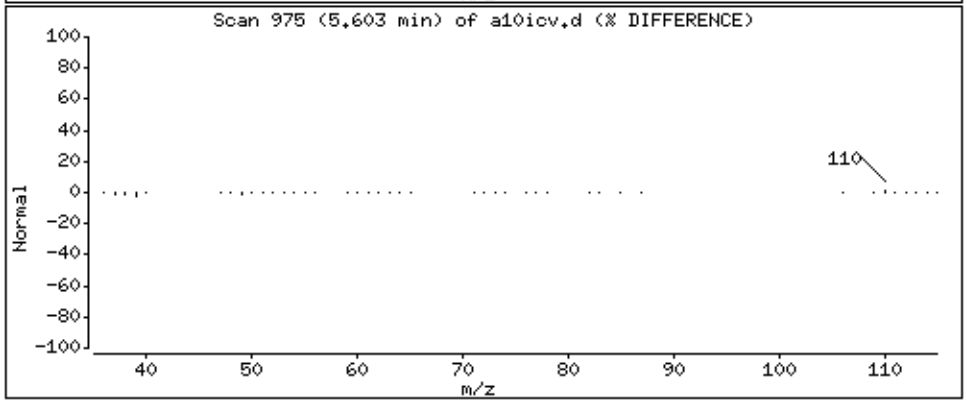
49 cis-1,3-Dichloropropene

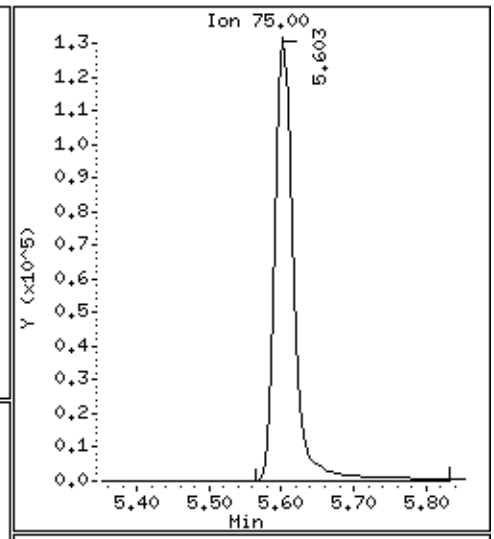
Concentration: 44.1 ppb

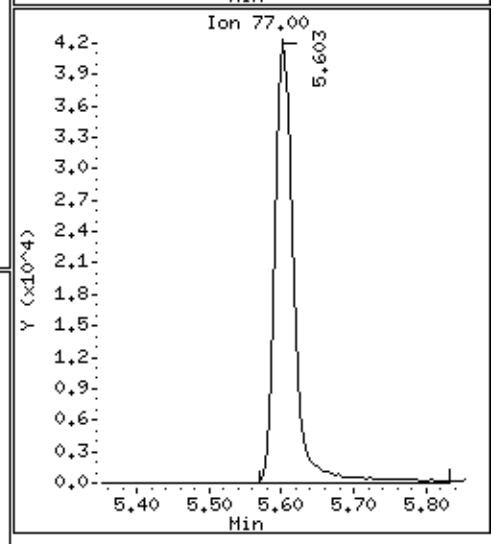












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

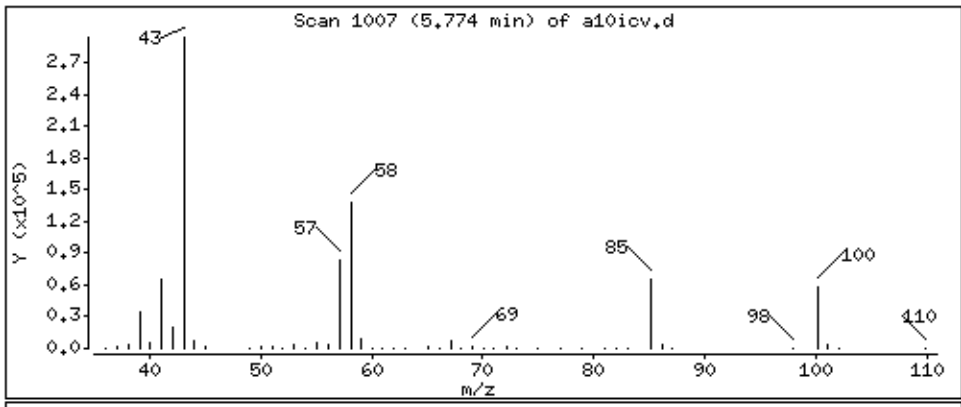
Operator: ala

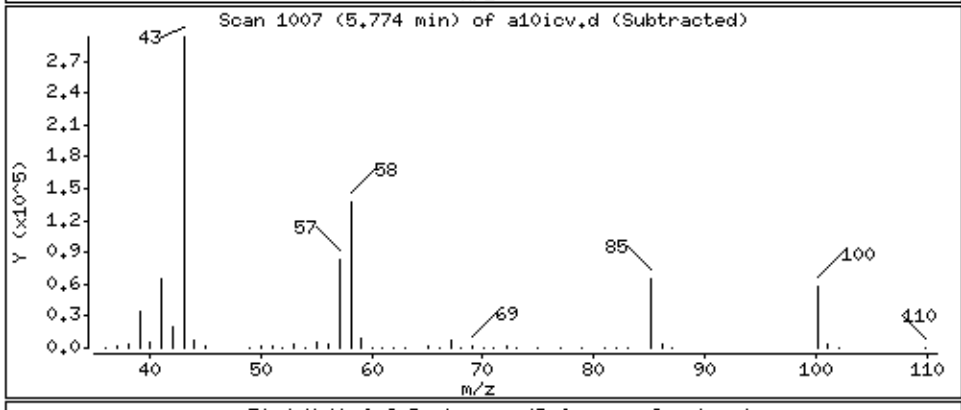
Column phase: DB-624

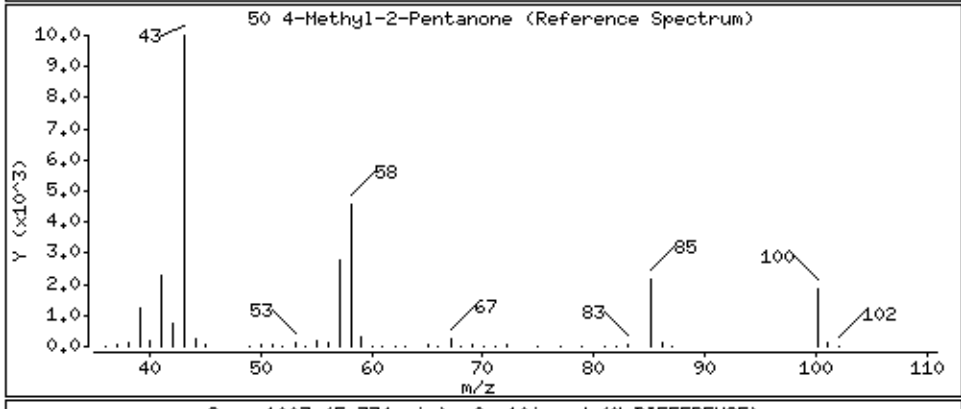
Column diameter: 0.18

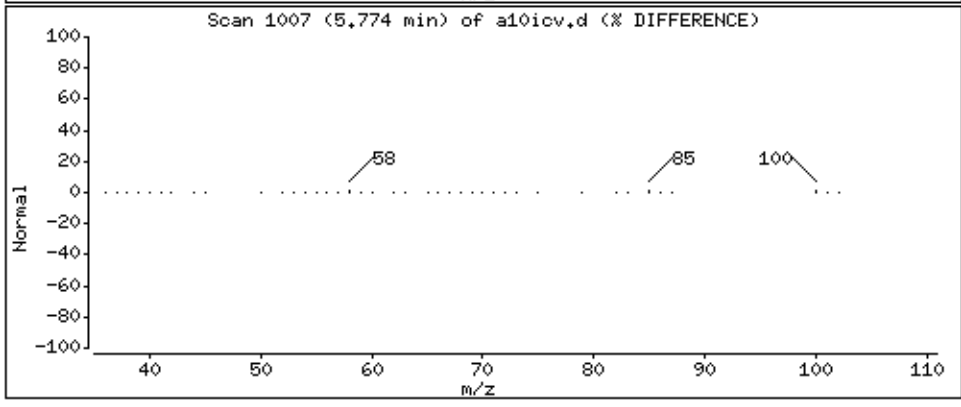
50 4-Methyl-2-Pentanone

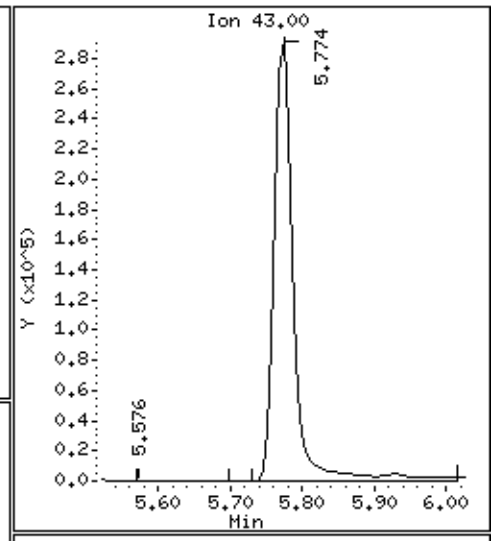
Concentration: 277 ppb

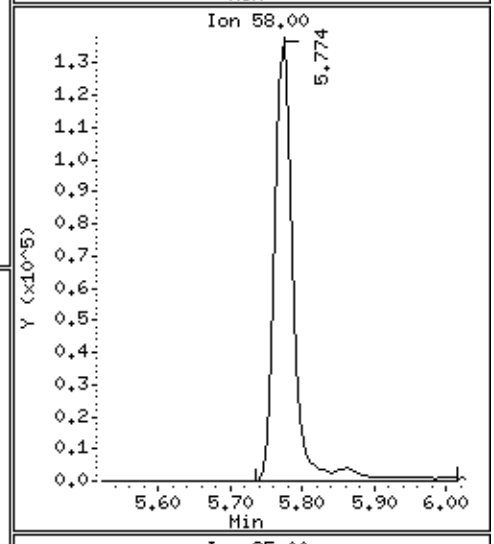


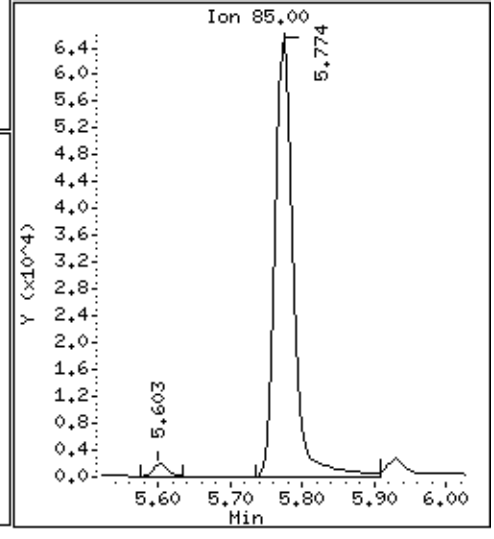












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

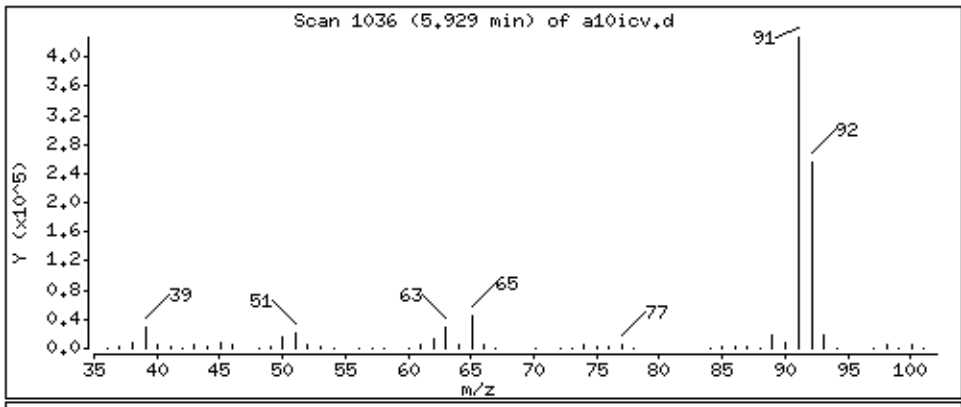
Operator: ala

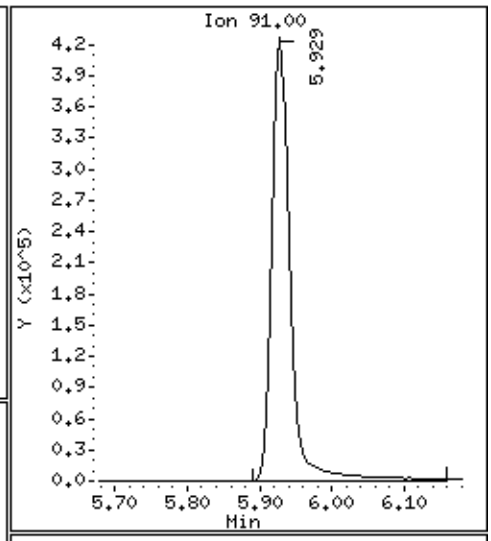
Column phase: DB-624

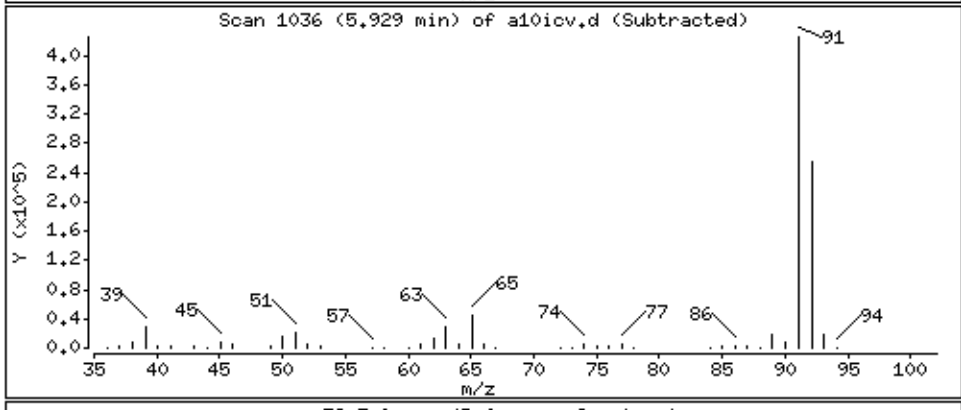
Column diameter: 0.18

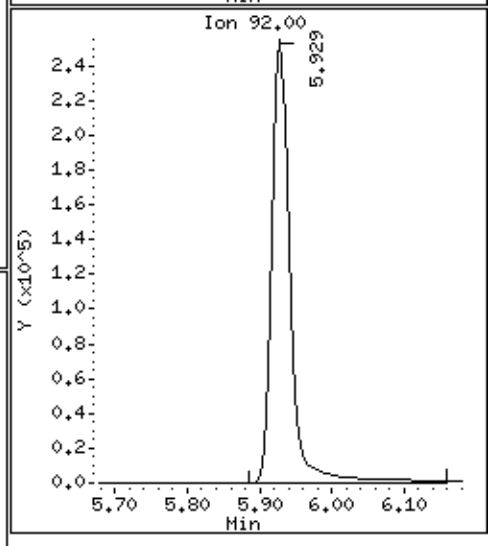
52 Toluene

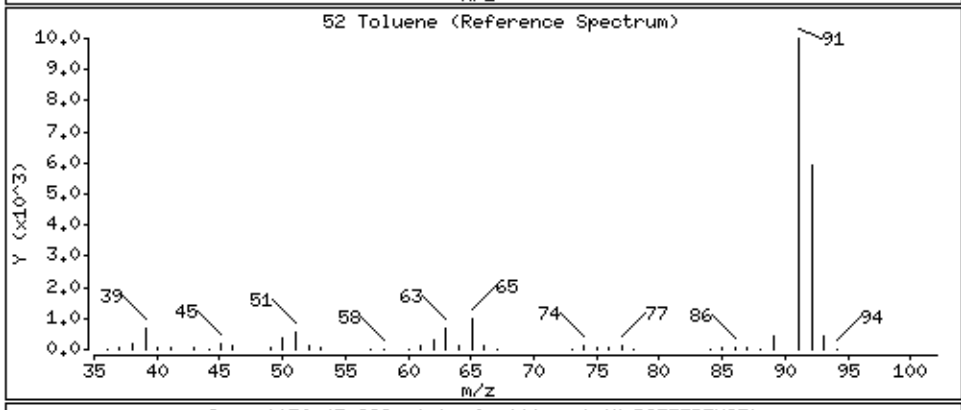
Concentration: 50.2 ppb

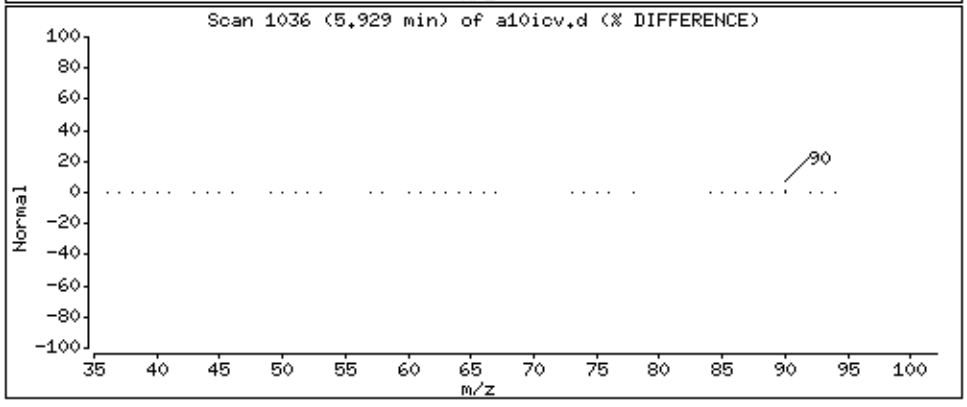












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

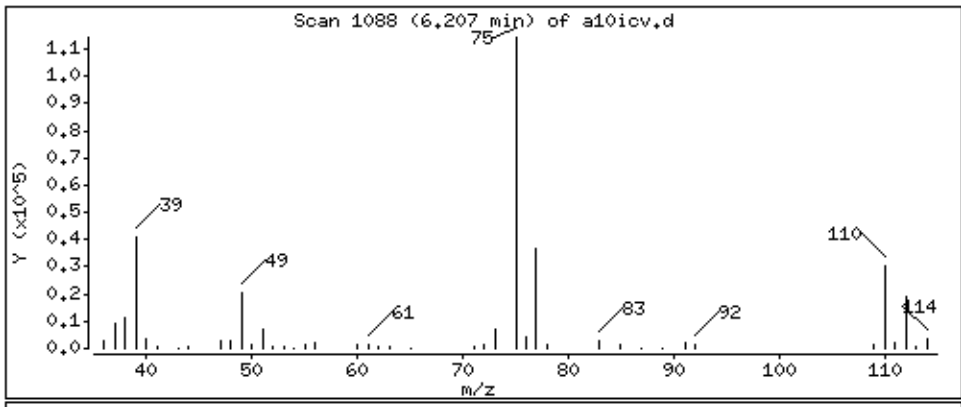
Operator: ala

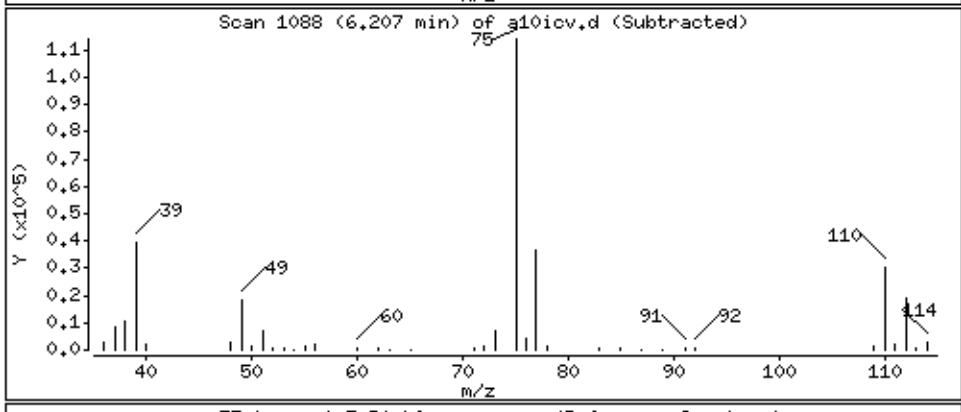
Column phase: DB-624

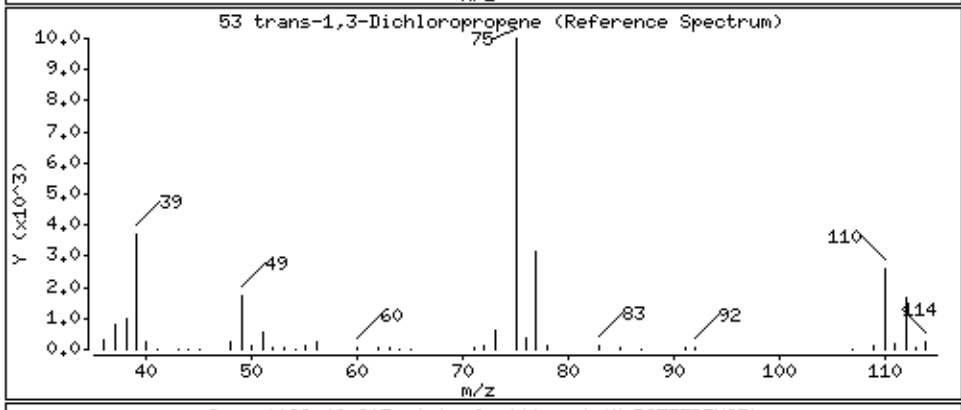
Column diameter: 0.18

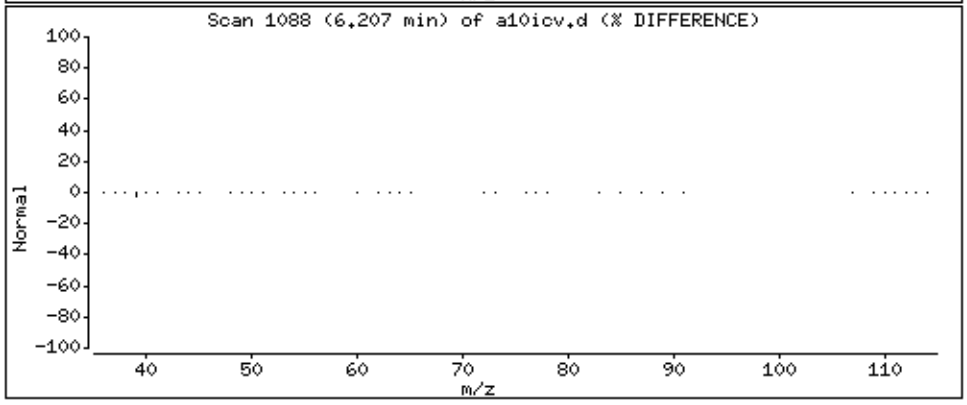
53 trans-1,3-Dichloropropene

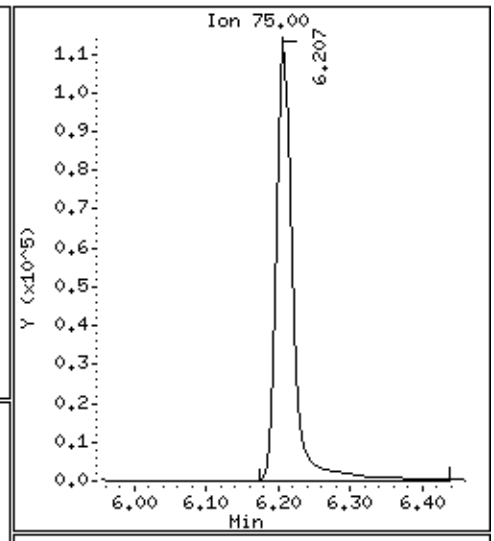
Concentration: 43.3 ppb

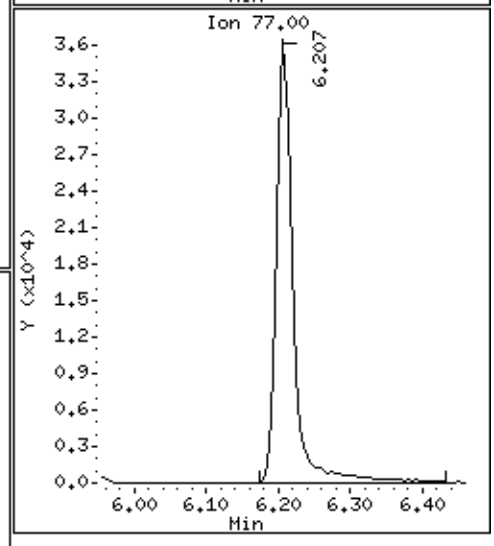












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

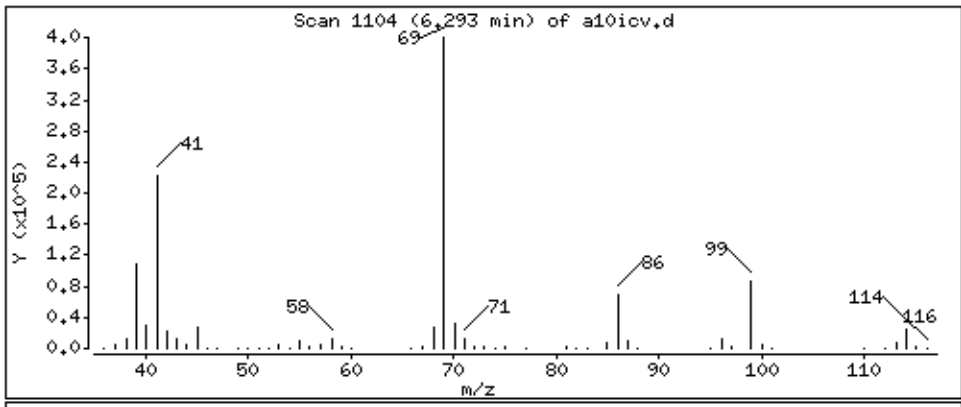
Operator: ala

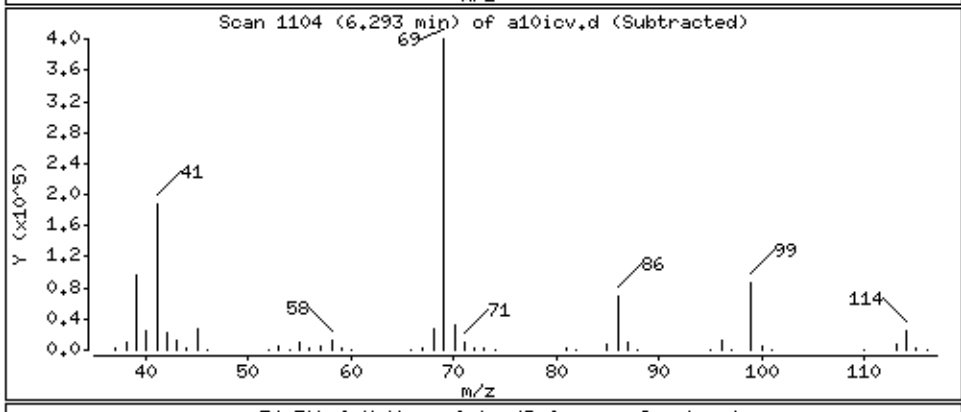
Column phase: DB-624

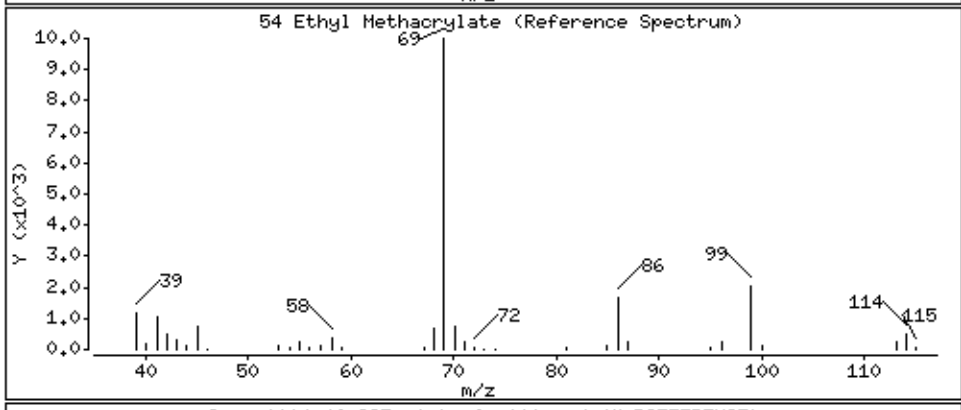
Column diameter: 0.18

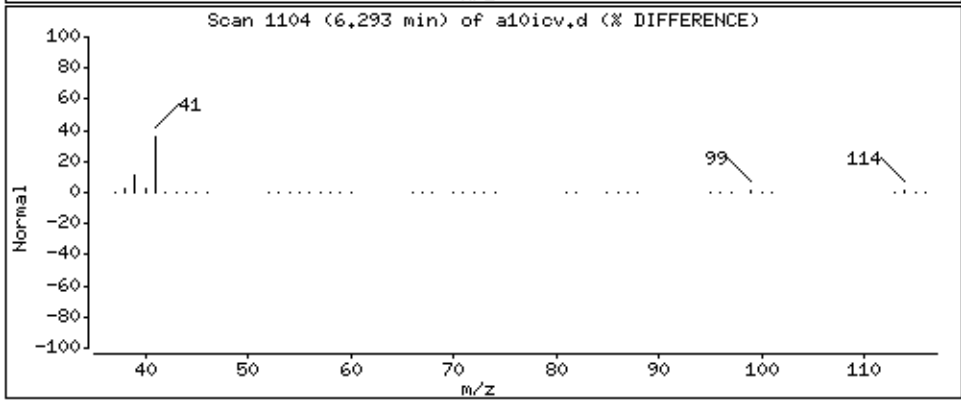
54 Ethyl Methacrylate

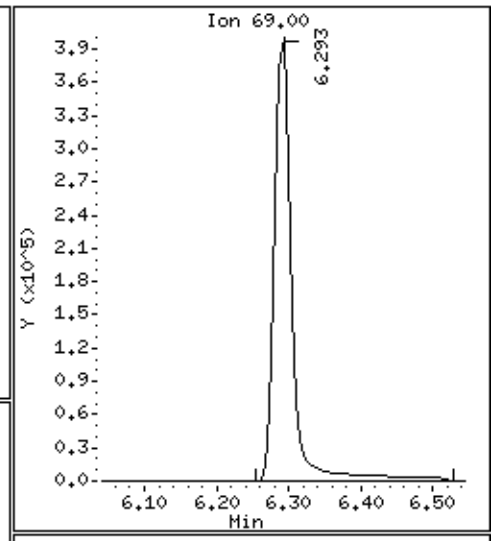
Concentration: 192 ppb

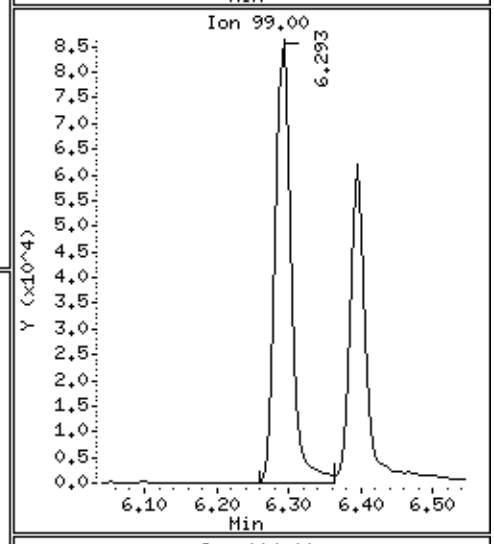


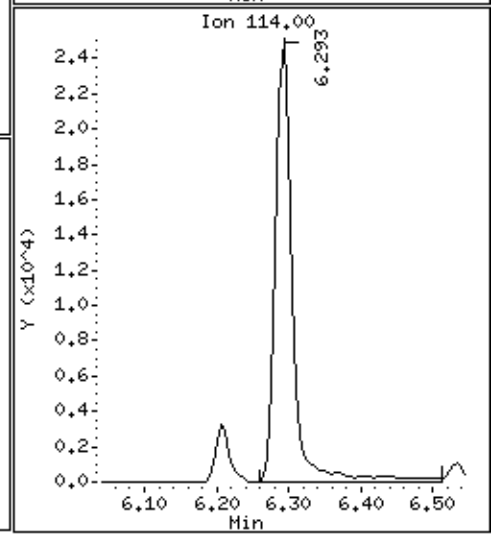












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

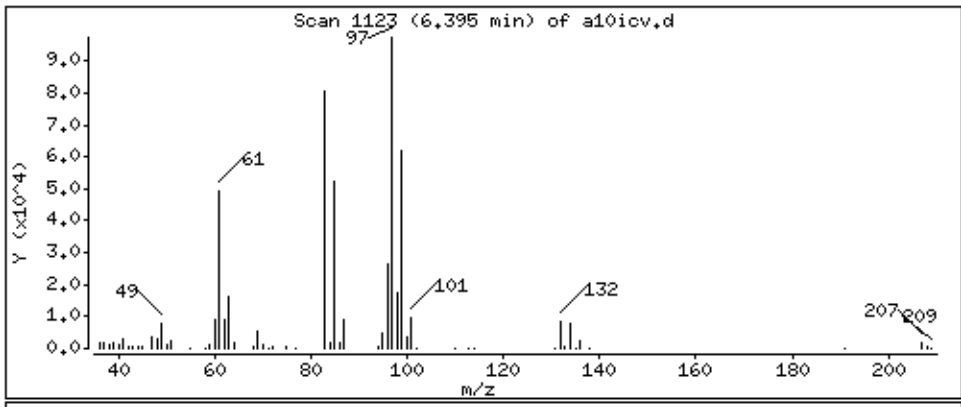
Operator: ala

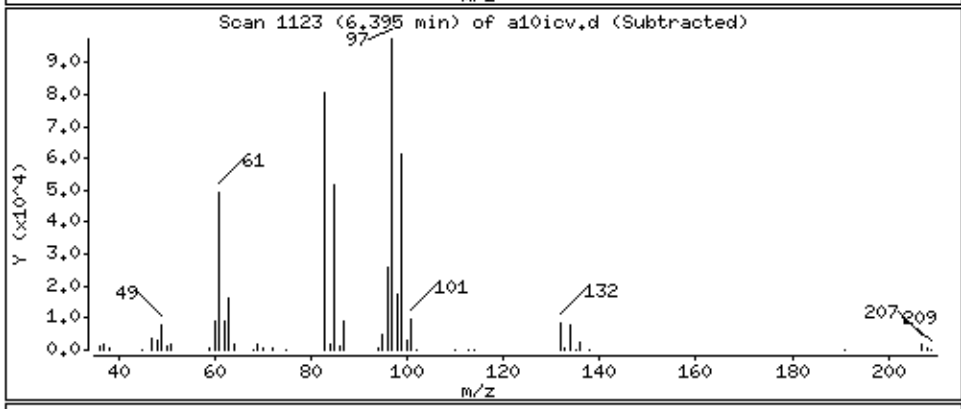
Column phase: DB-624

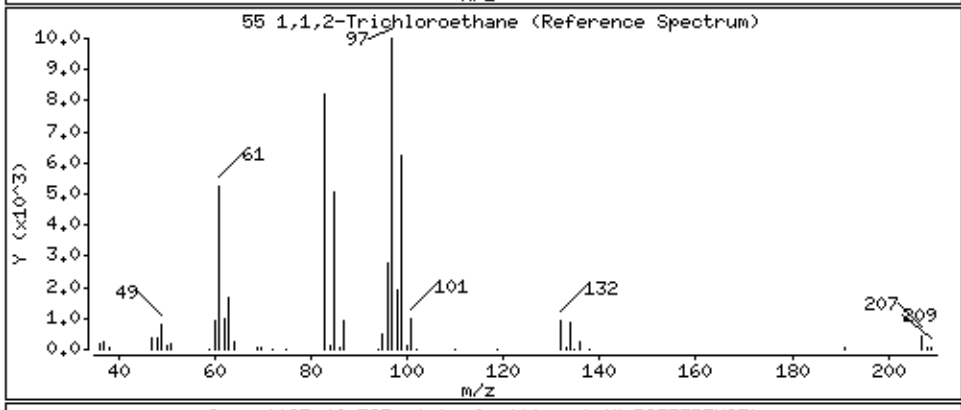
Column diameter: 0.18

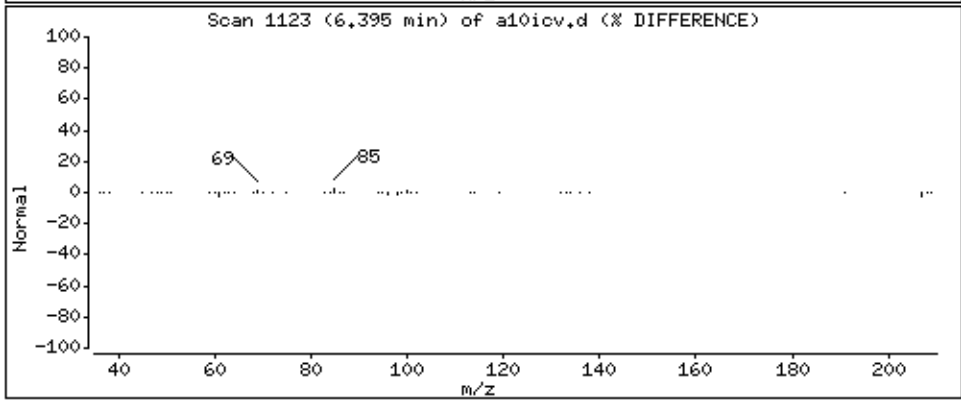
55 1,1,2-Trichloroethane

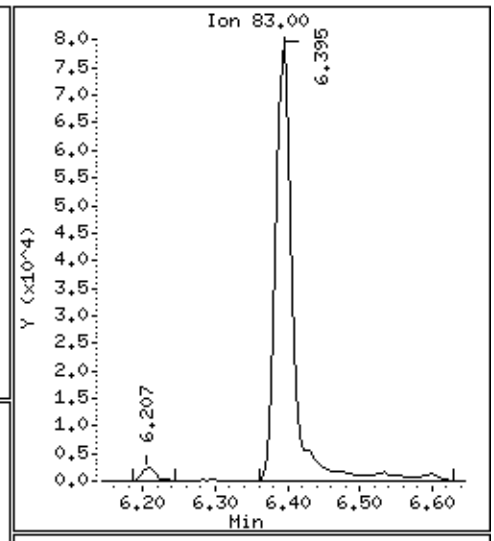
Concentration: 55.6 ppb

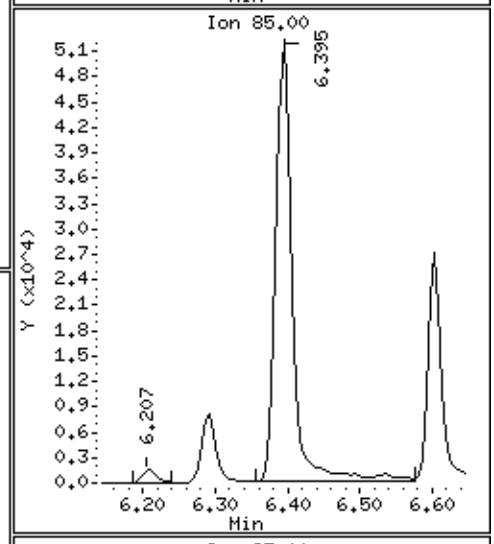


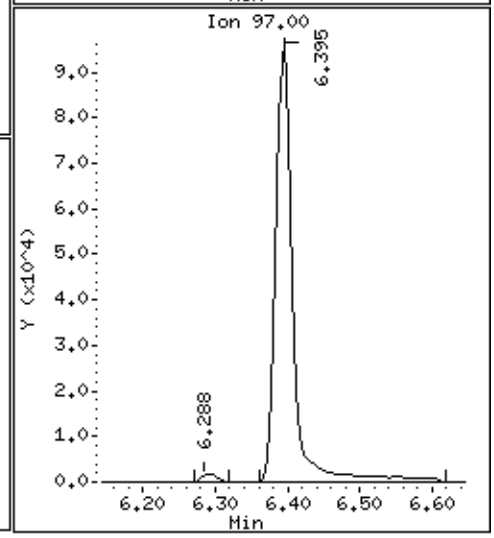












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

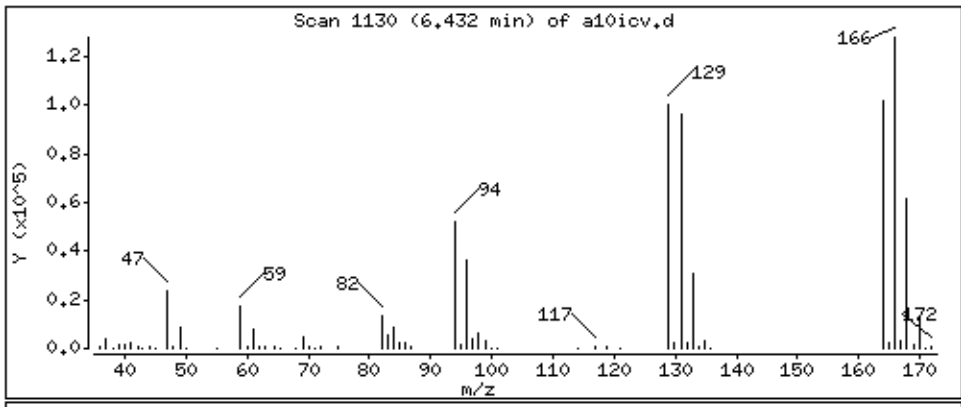
Operator: ala

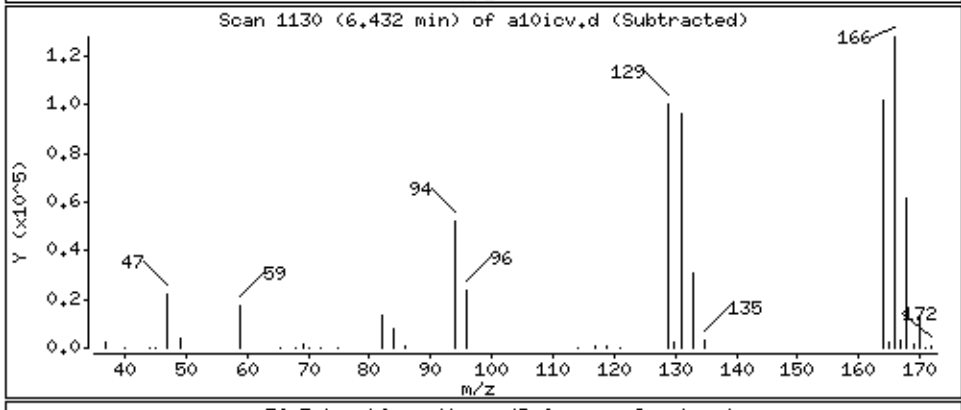
Column phase: DB-624

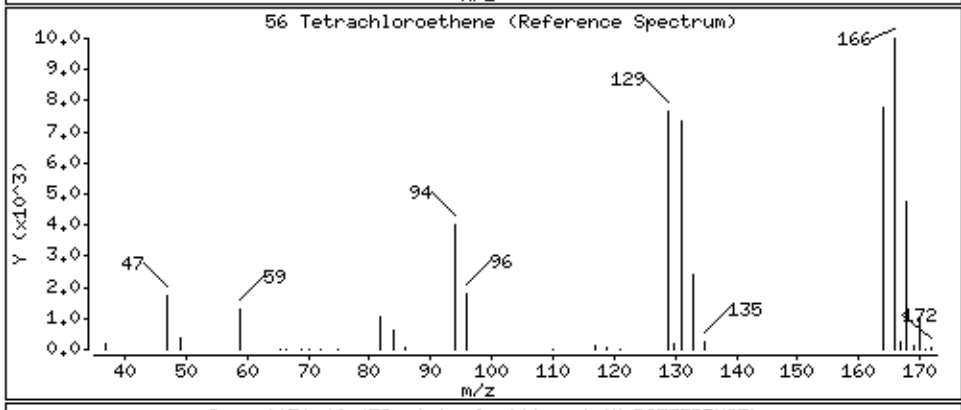
Column diameter: 0.18

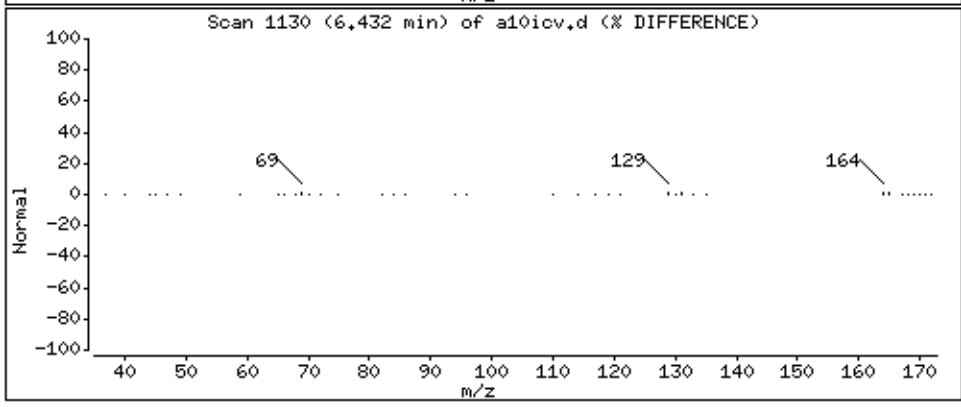
56 Tetrachloroethene

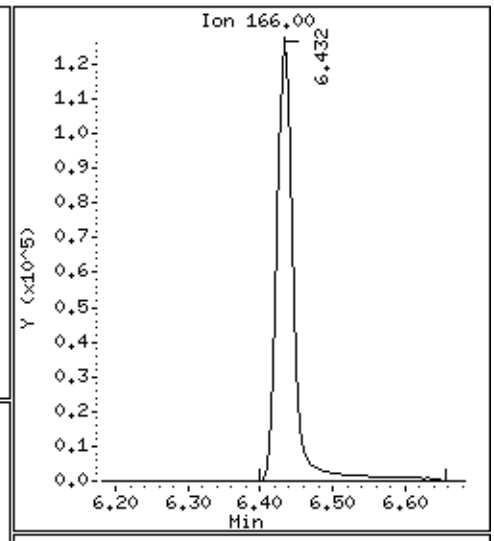
Concentration: 48.7 ppb

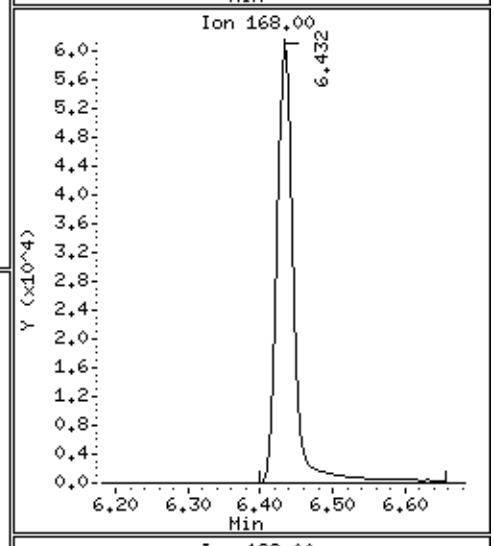


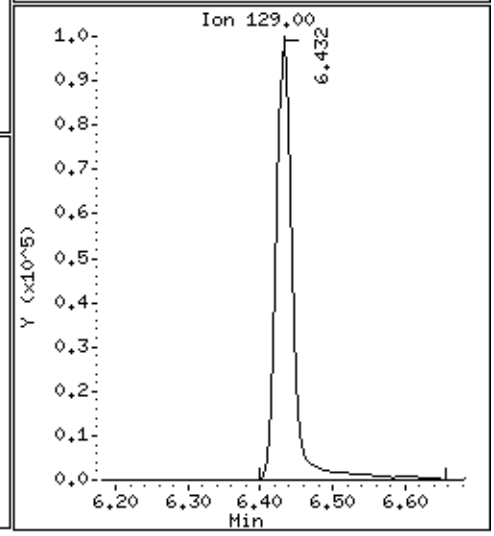












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

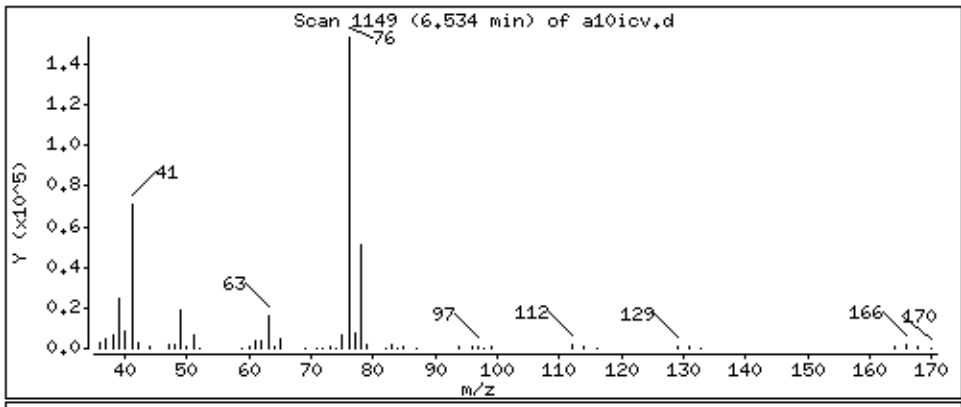
Operator: ala

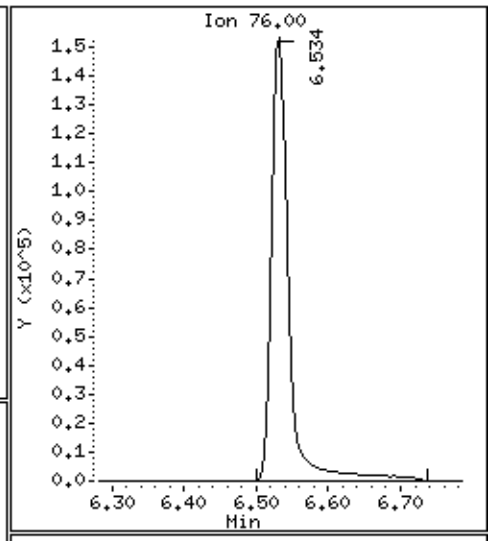
Column phase: DB-624

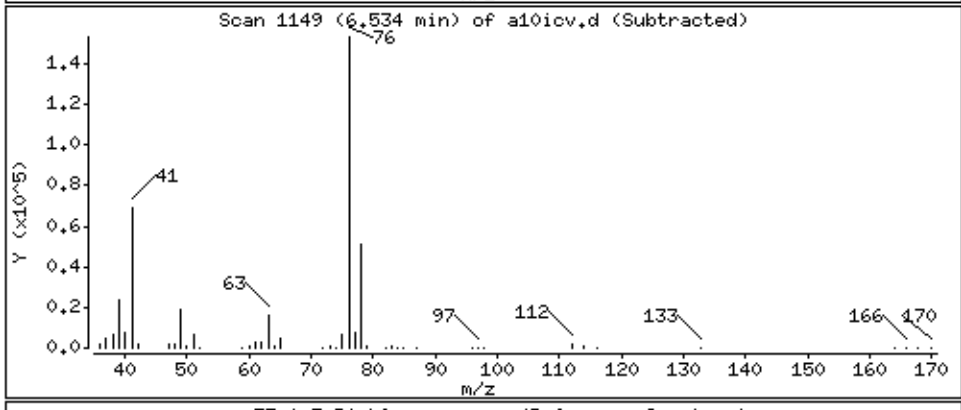
Column diameter: 0.18

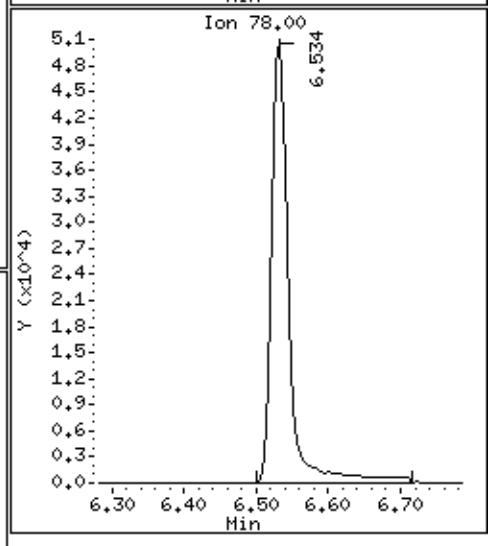
57 1,3-Dichloropropane

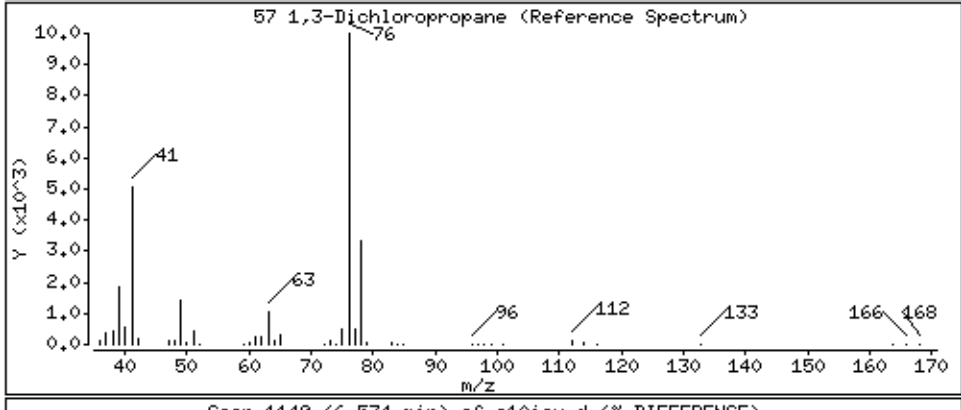
Concentration: 55.4 ppb

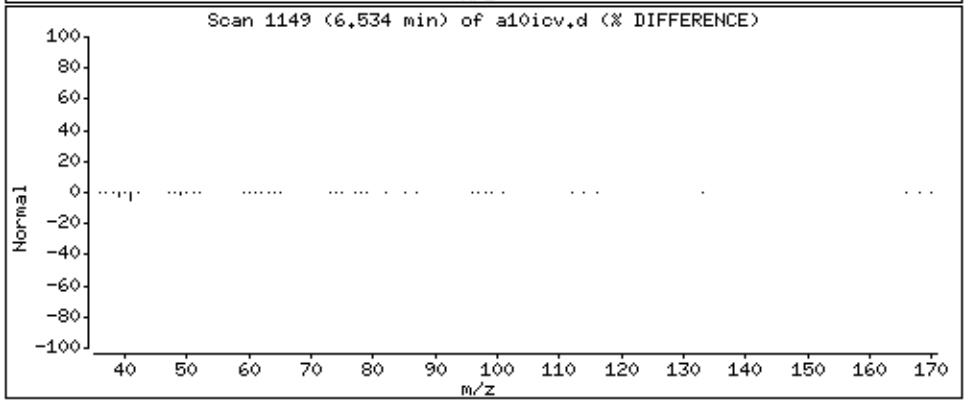












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

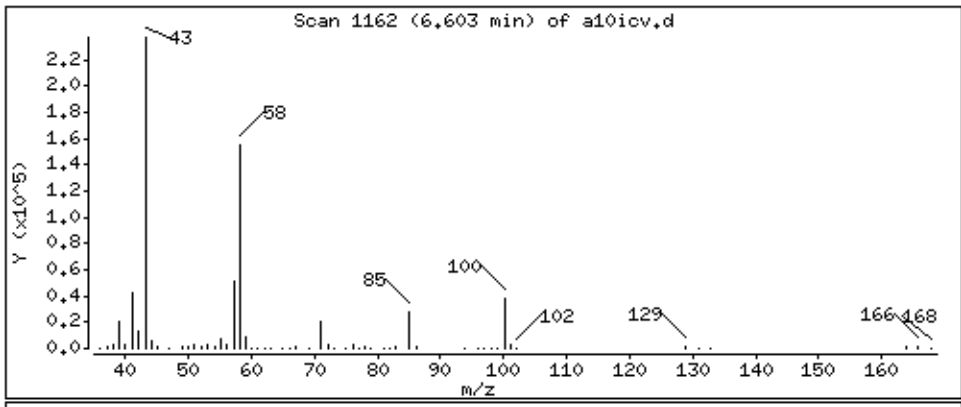
Operator: ala

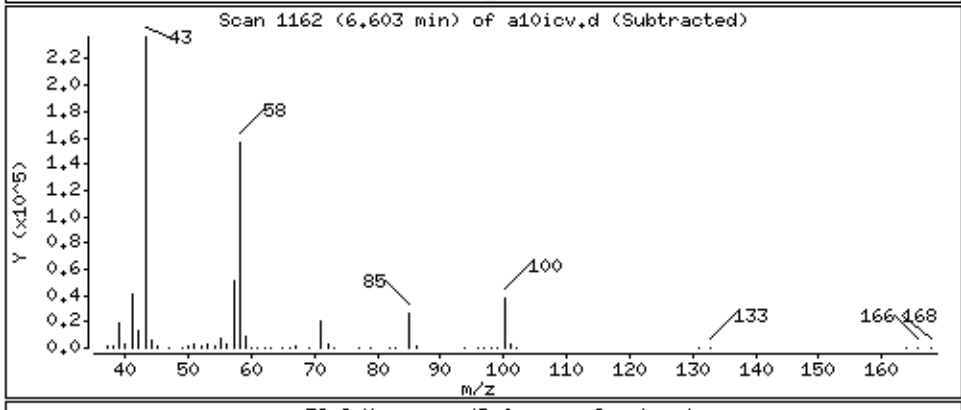
Column phase: DB-624

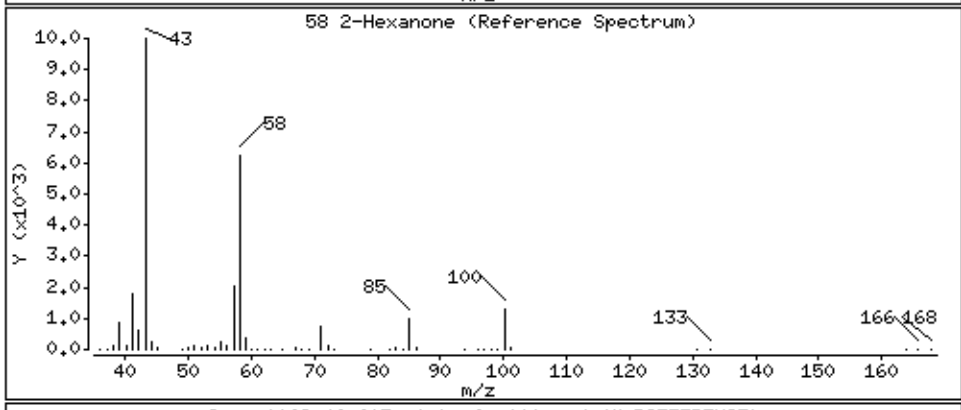
Column diameter: 0.18

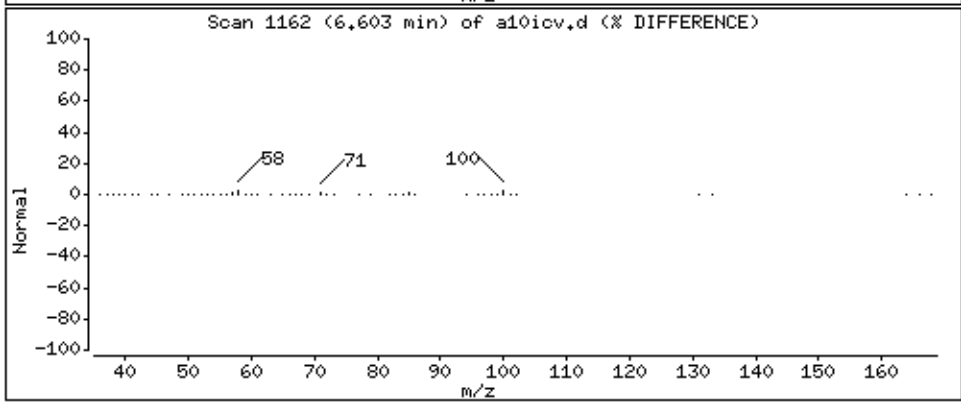
58 2-Hexanone

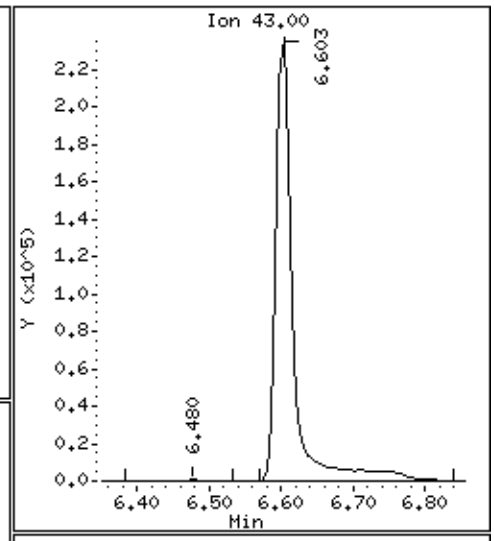
Concentration: 262 ppb

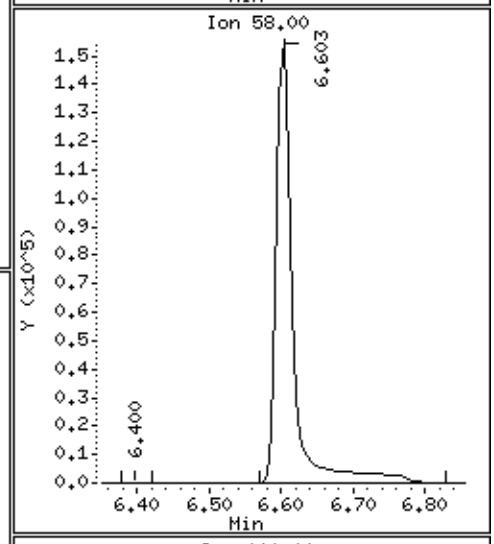


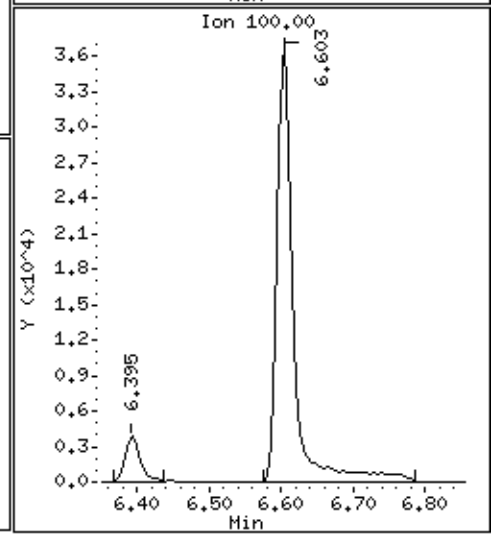












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

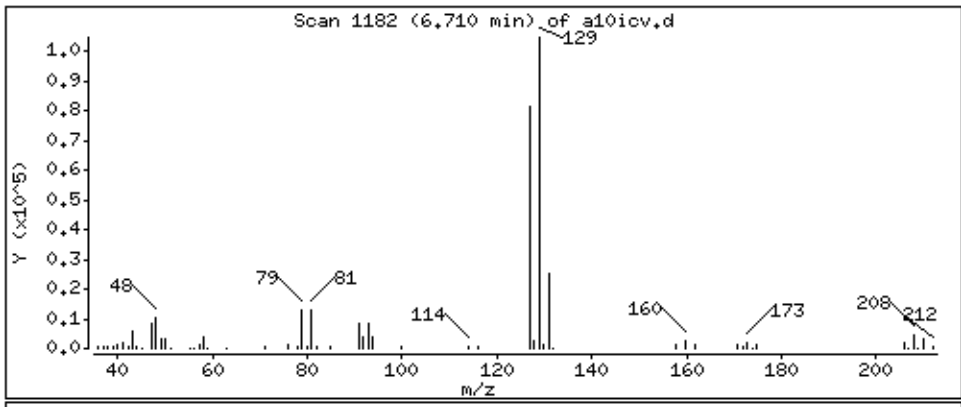
Operator: ala

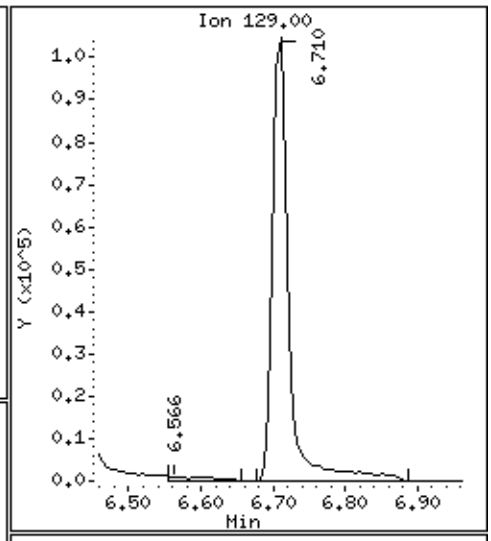
Column phase: DB-624

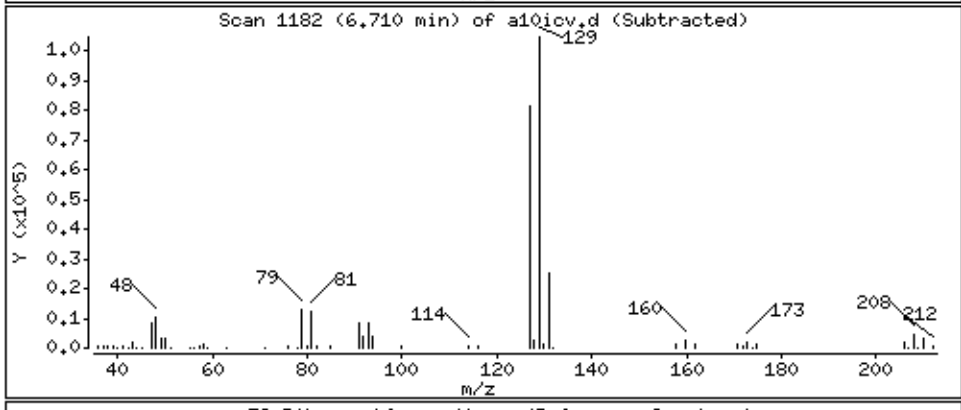
Column diameter: 0.18

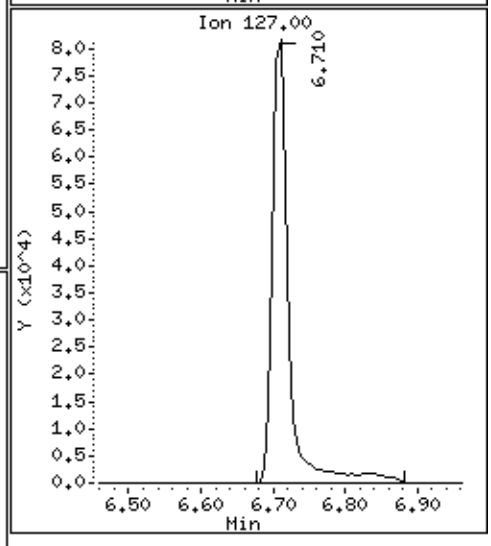
59 Dibromochloromethane

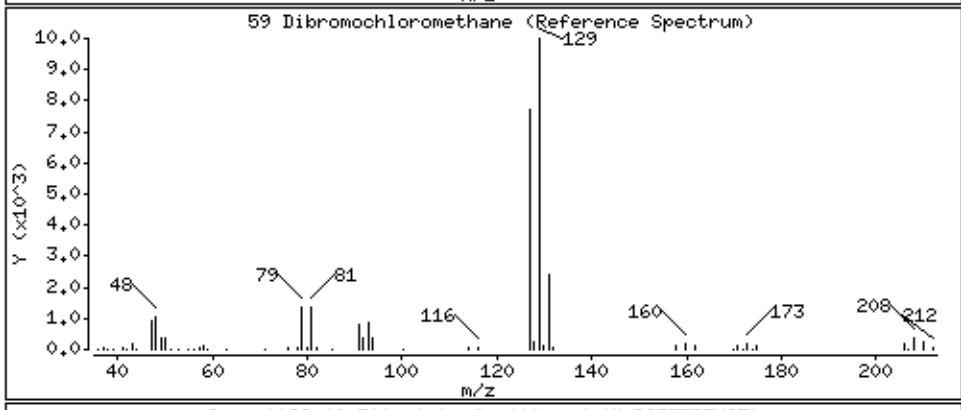
Concentration: 45.4 ppb

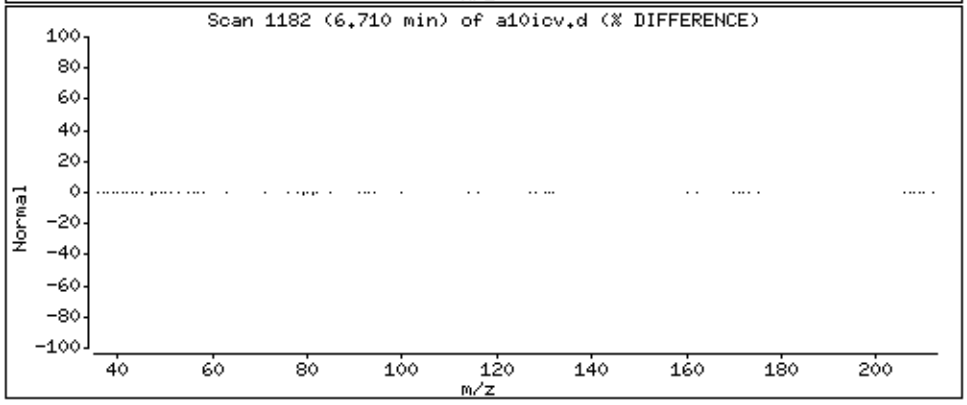












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

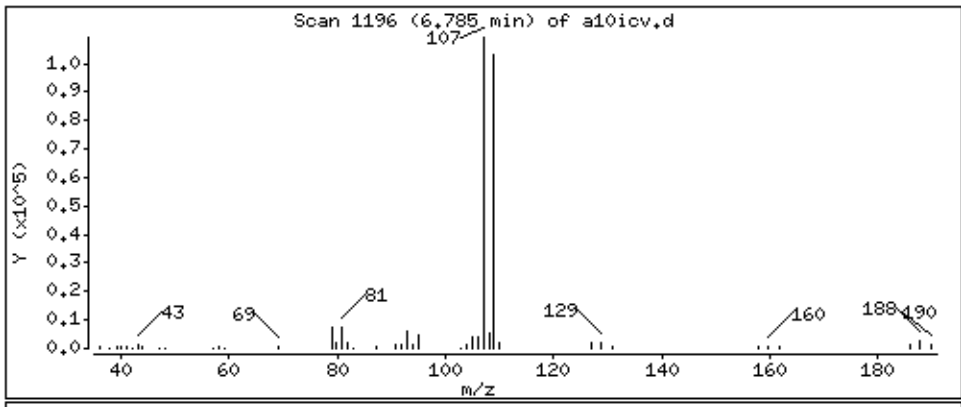
Operator: ala

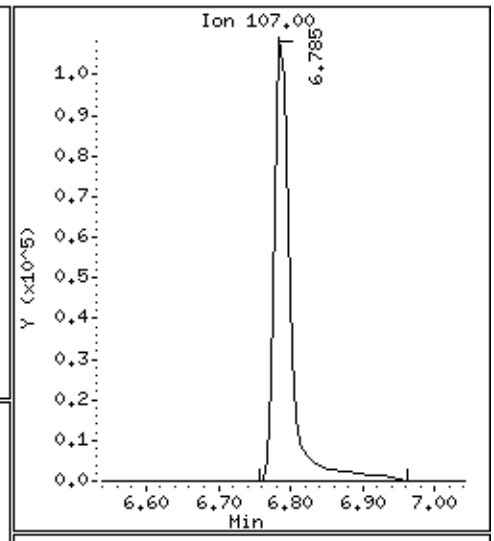
Column phase: DB-624

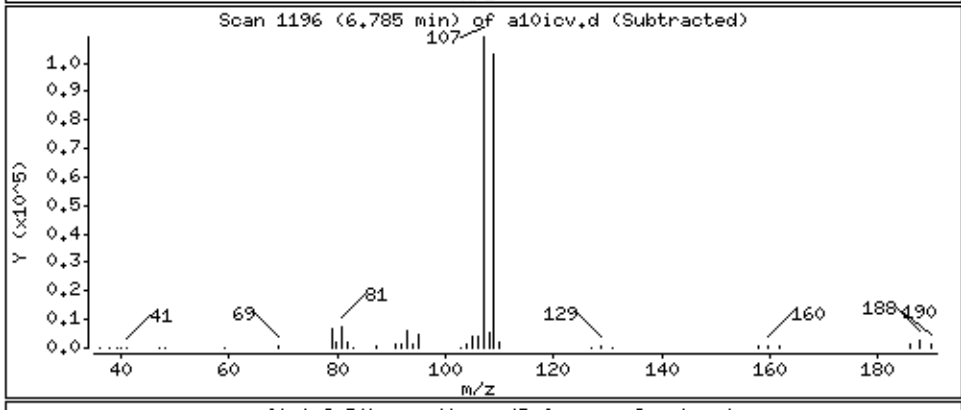
Column diameter: 0.18

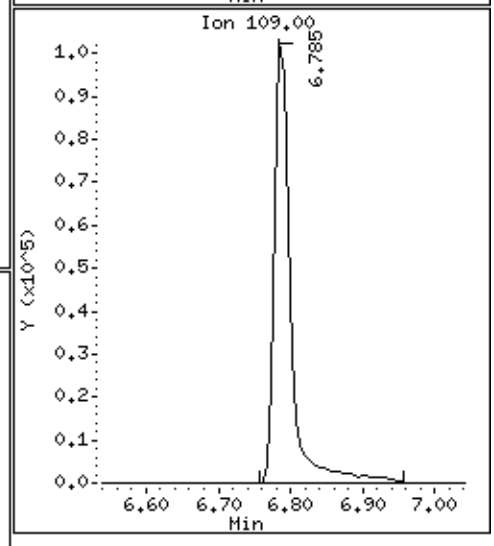
60 1,2-Dibromoethane

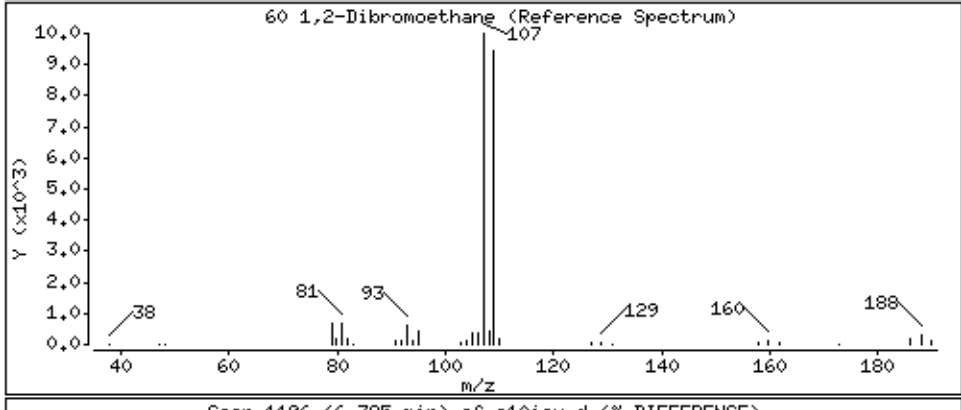
Concentration: 54.2 ppb

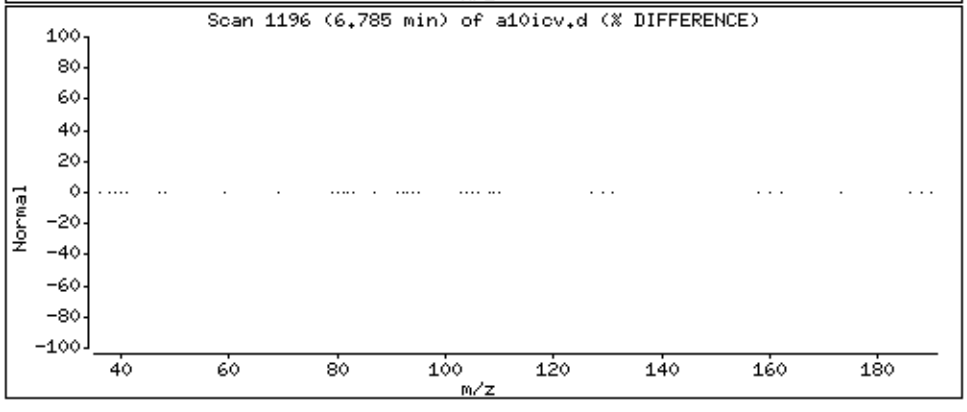












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

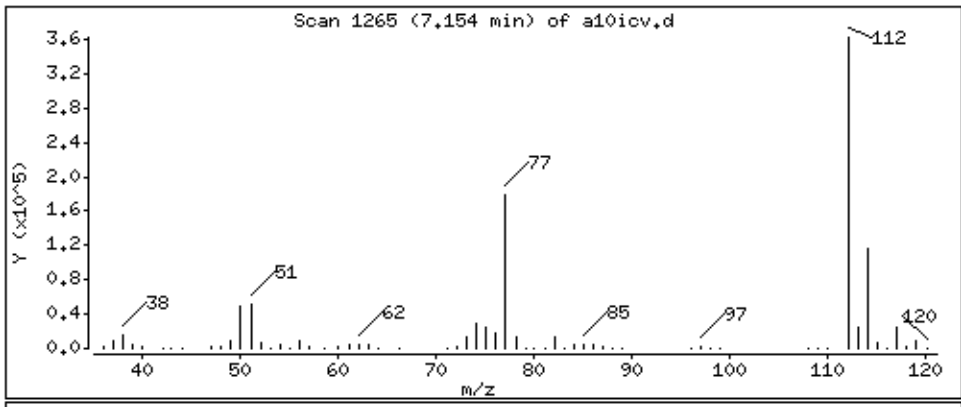
Operator: ala

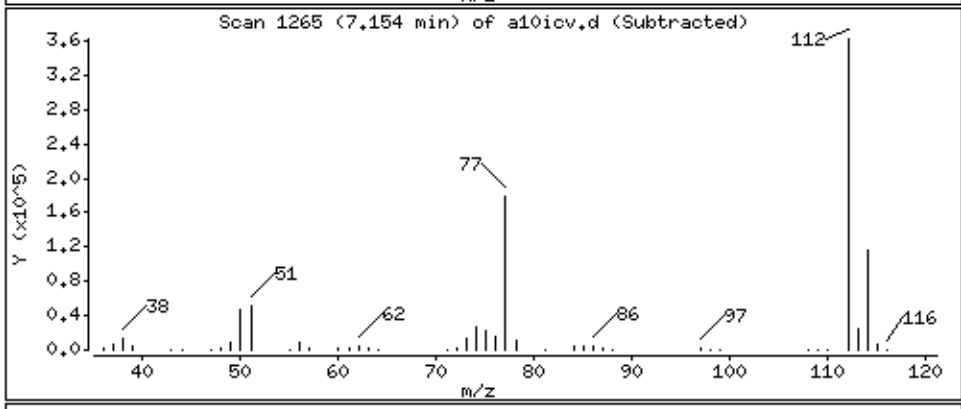
Column phase: DB-624

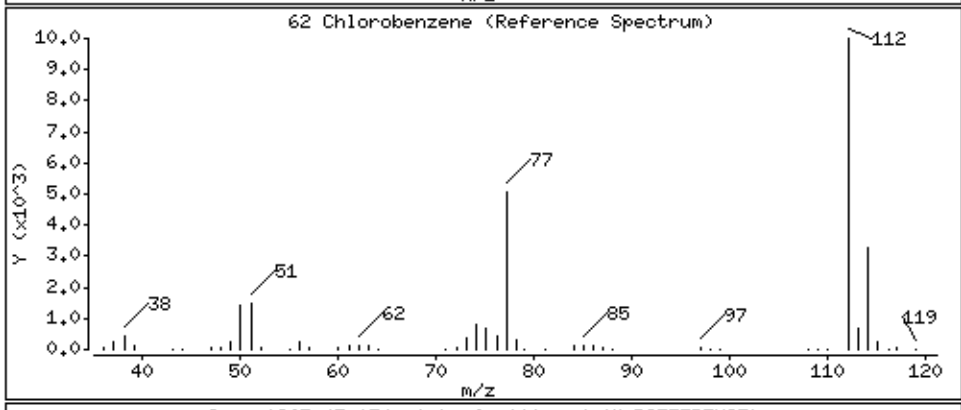
Column diameter: 0.18

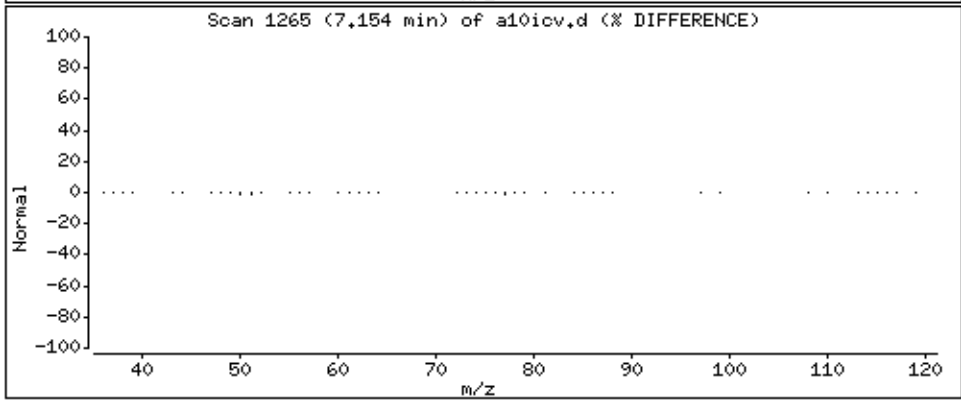
62 Chlorobenzene

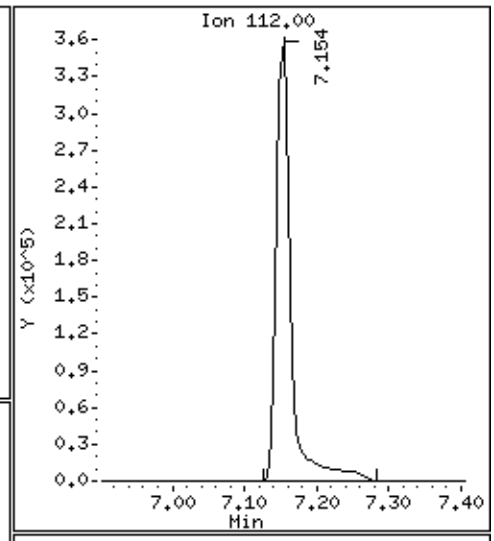
Concentration: 48.3 ppb

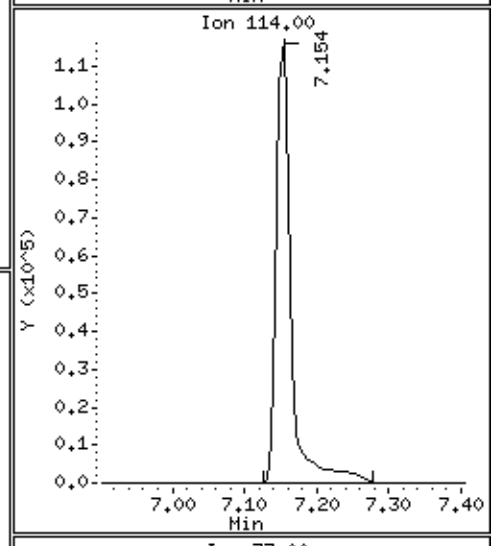


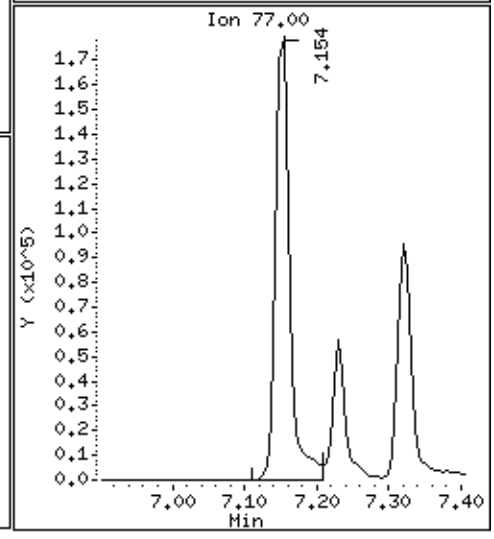












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

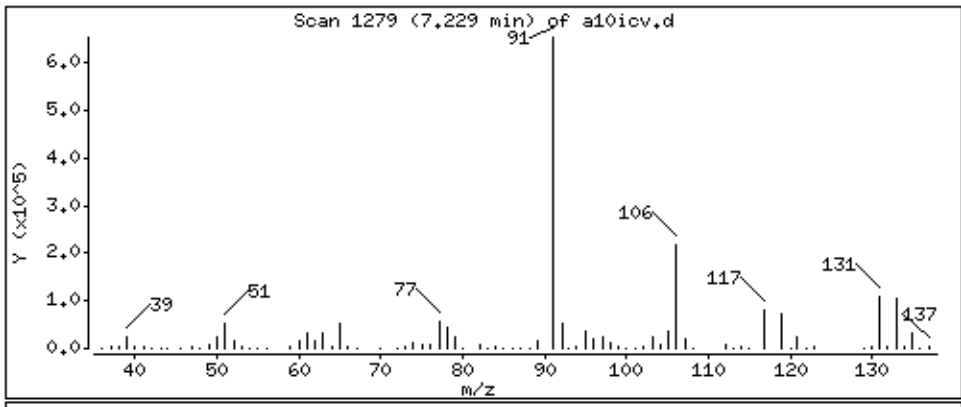
Operator: ala

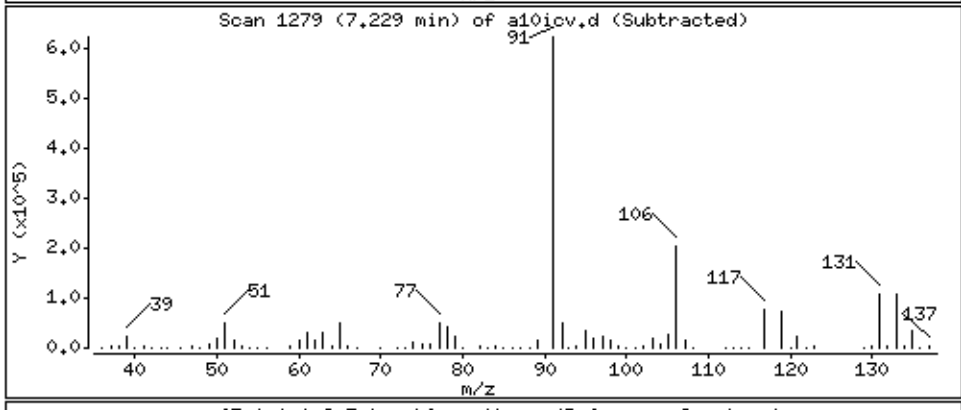
Column phase: DB-624

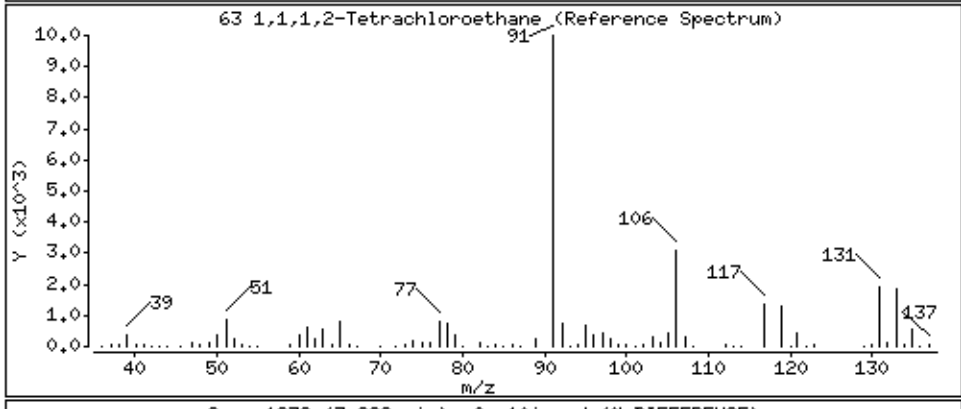
Column diameter: 0.18

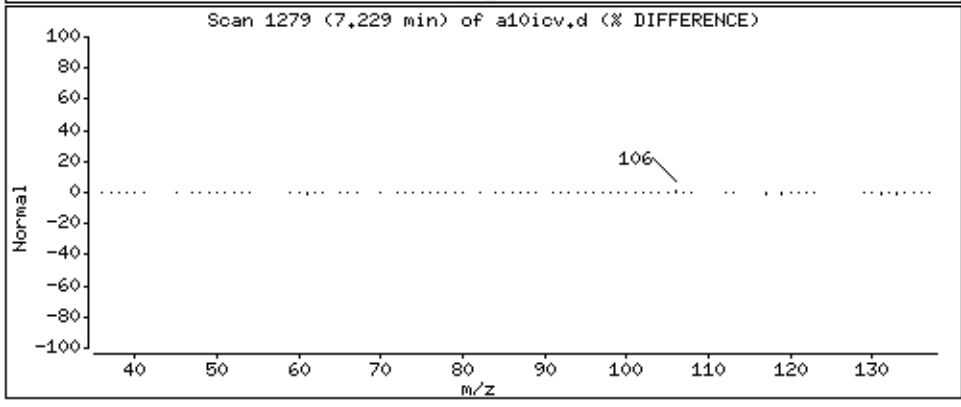
63 1,1,1,2-Tetrachloroethane

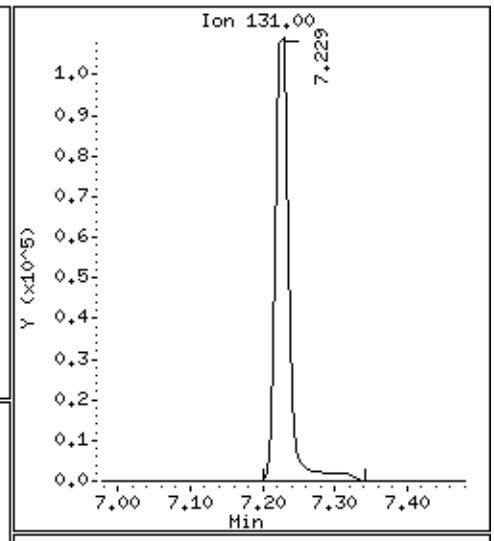
Concentration: 51.8 ppb

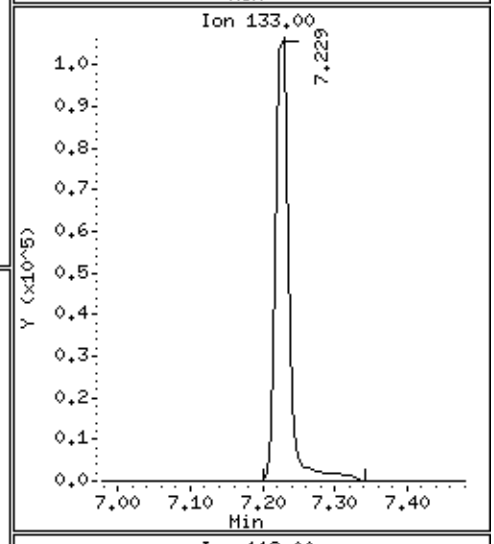


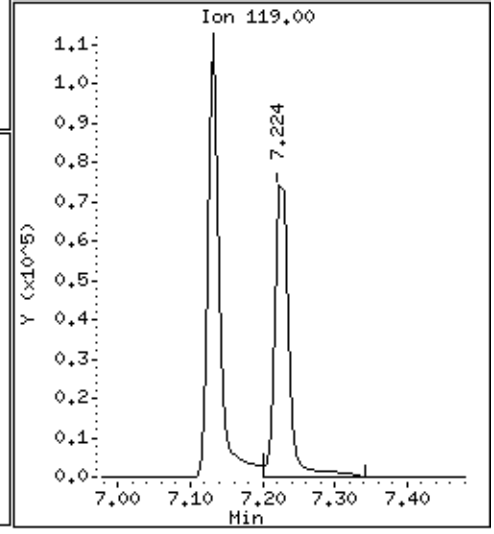












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

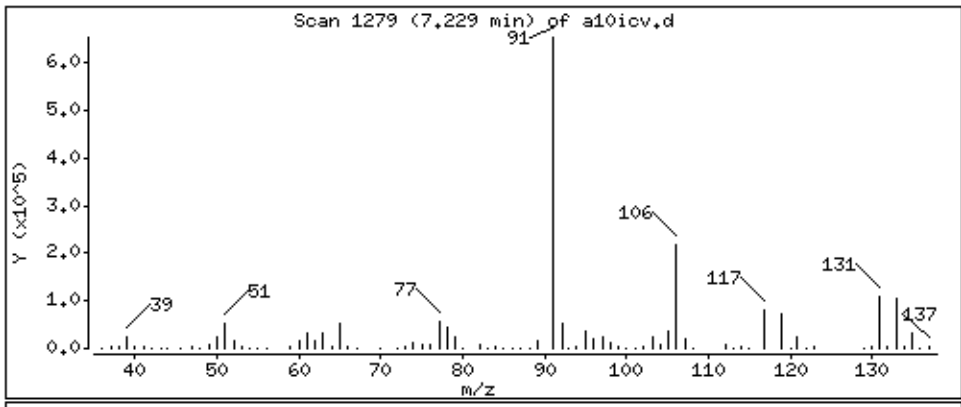
Operator: ala

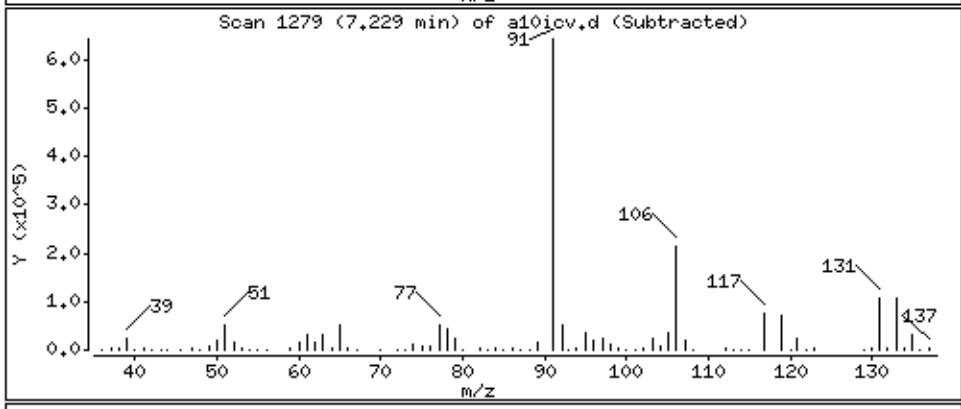
Column phase: DB-624

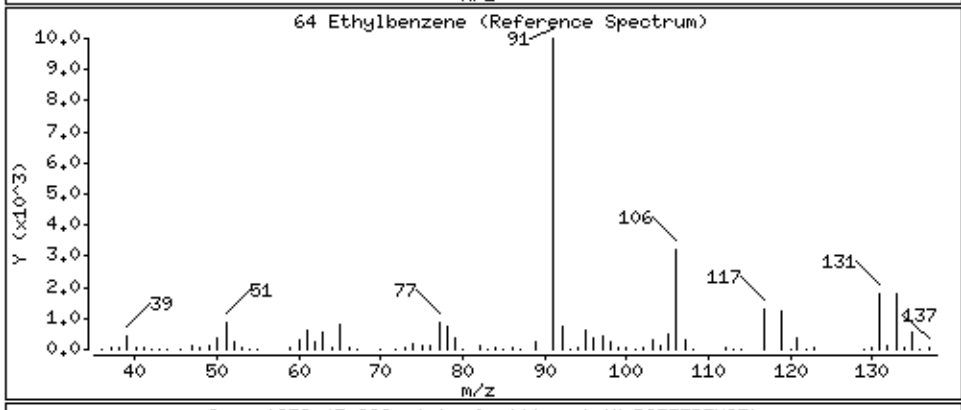
Column diameter: 0.18

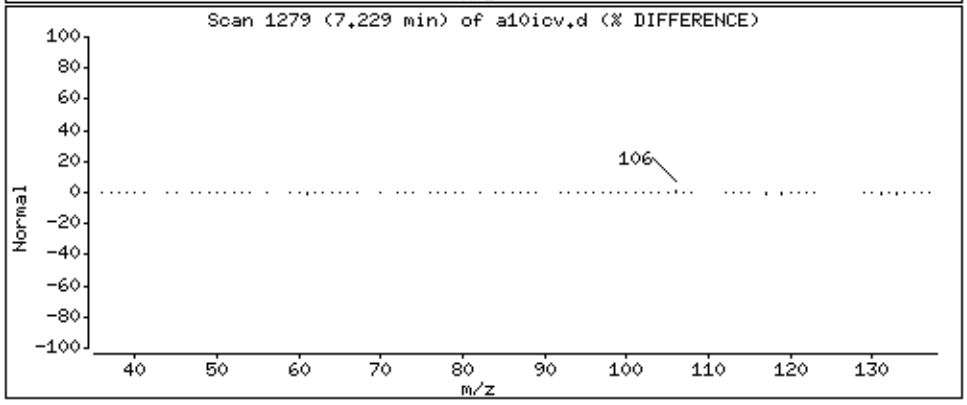
64 Ethylbenzene

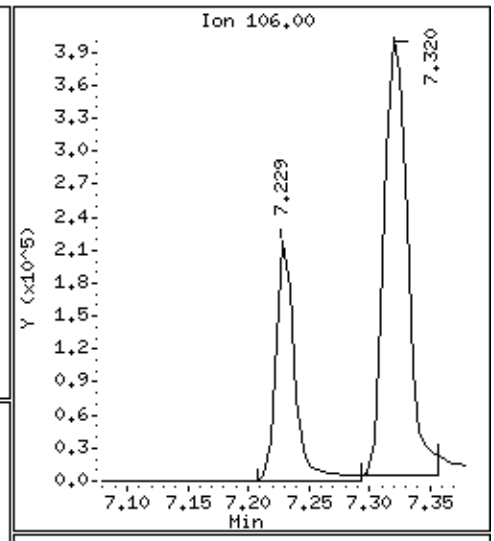
Concentration: 47.3 ppb

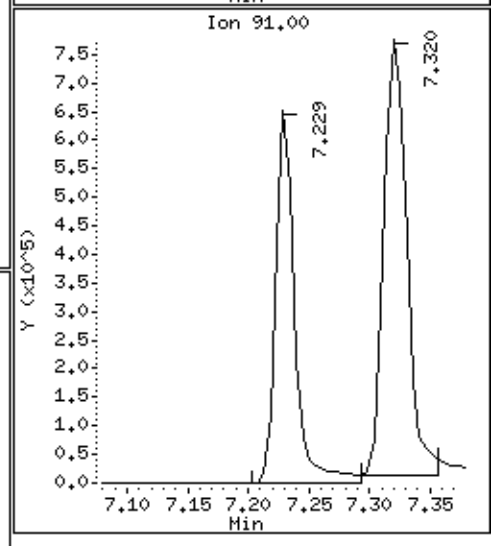












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

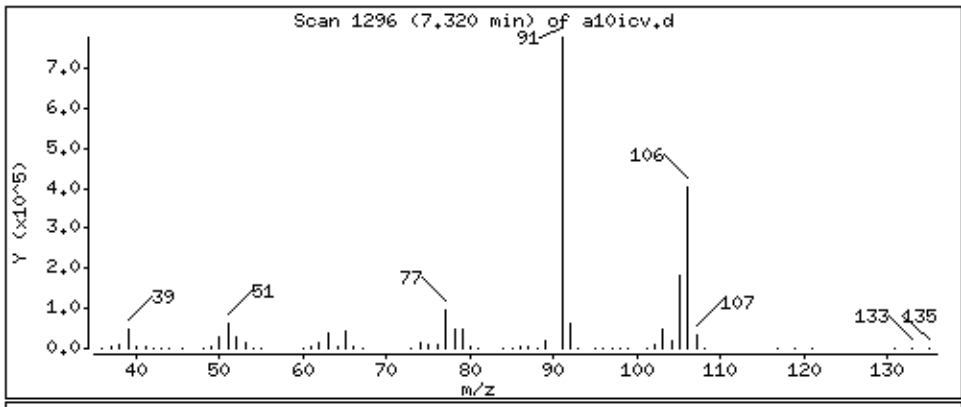
Operator: ala

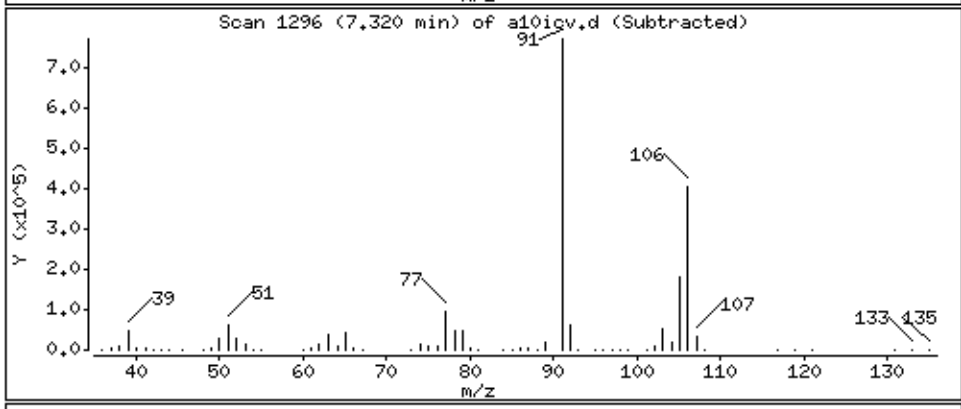
Column phase: DB-624

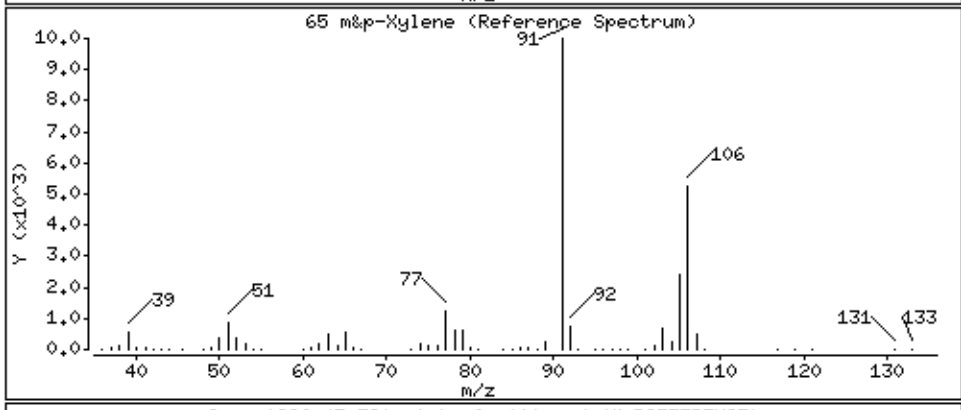
Column diameter: 0.18

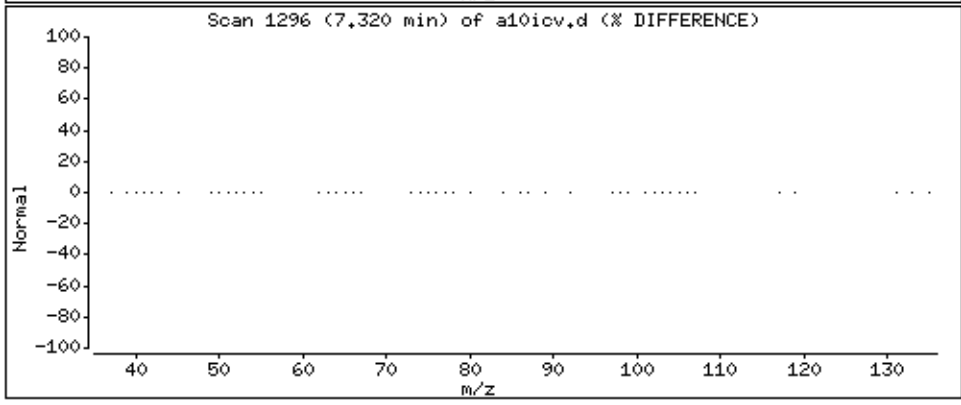
65 m&p-Xylene

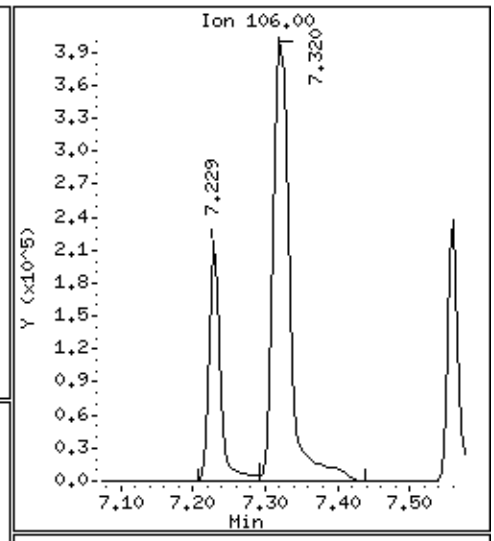
Concentration: 95.4 ppb

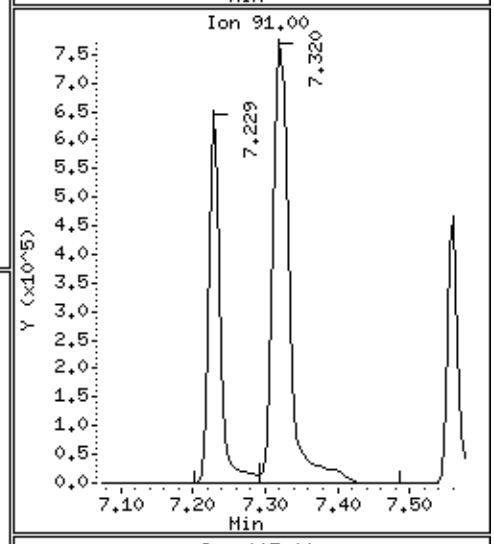


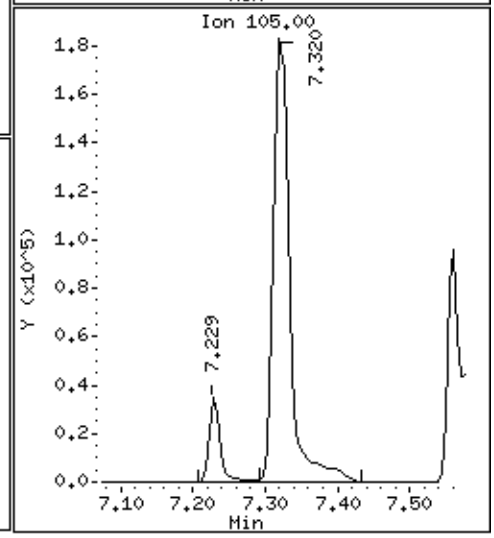












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

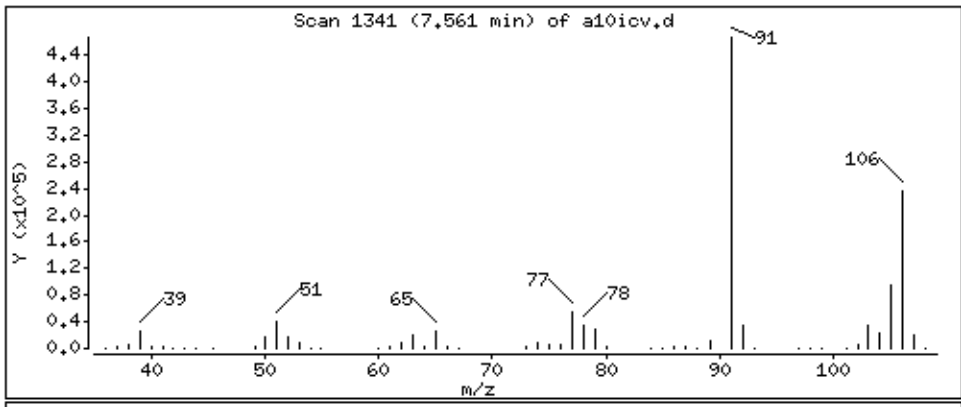
Operator: ala

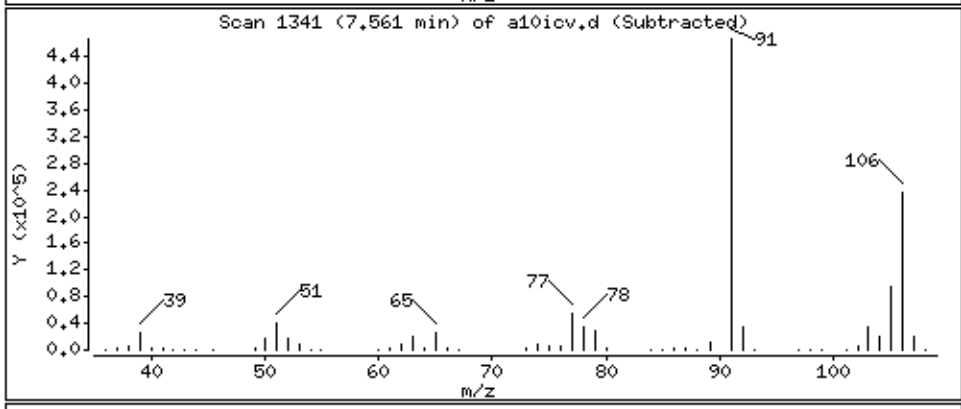
Column phase: DB-624

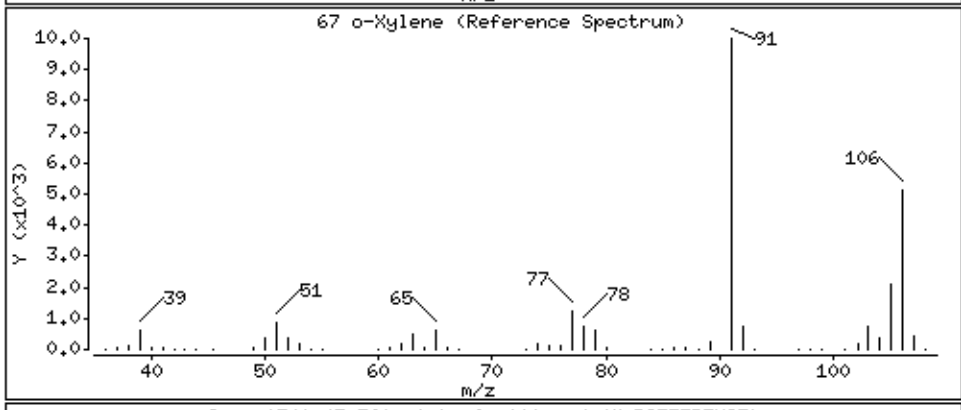
Column diameter: 0.18

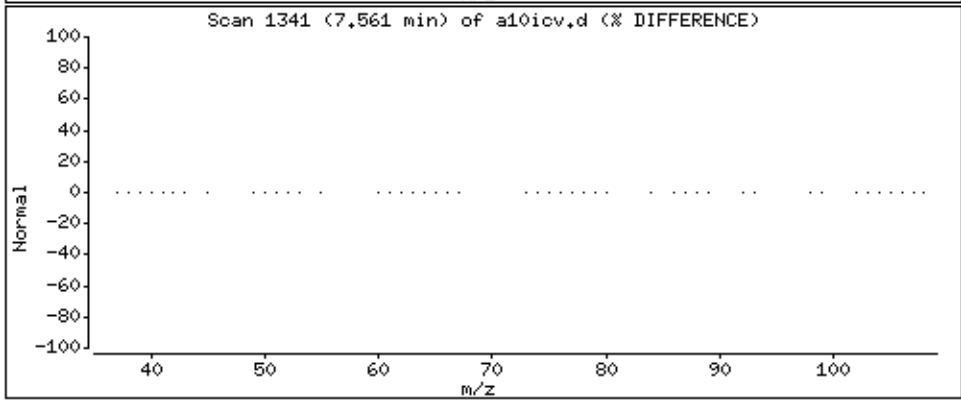
67 o-Xylene

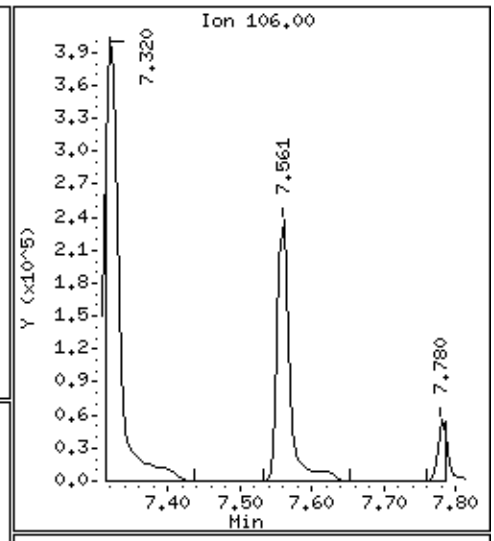
Concentration: 50.7 ppb

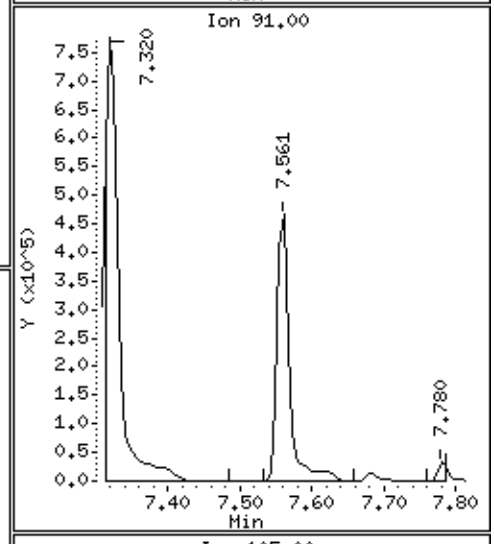


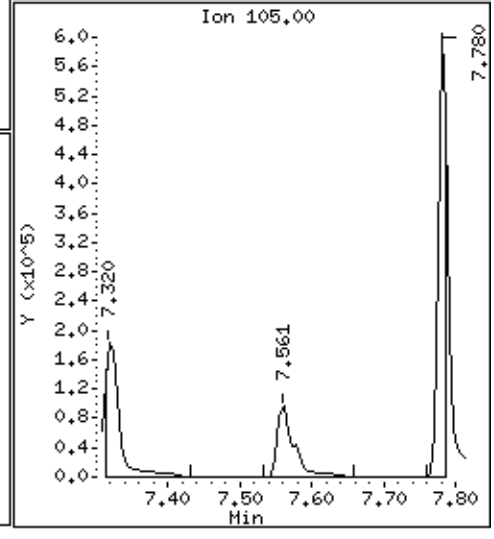












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

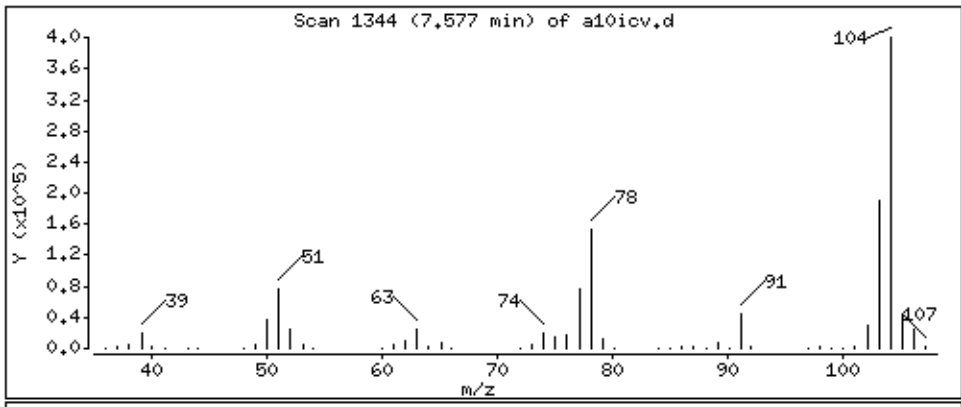
Operator: ala

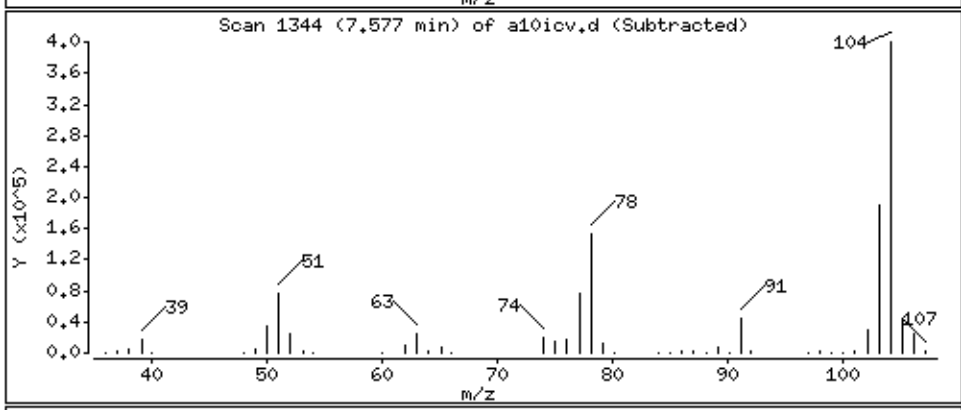
Column phase: DB-624

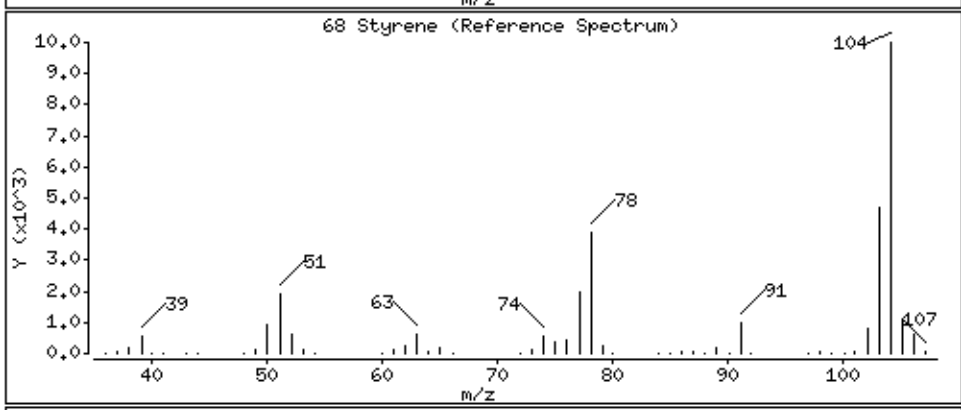
Column diameter: 0.18

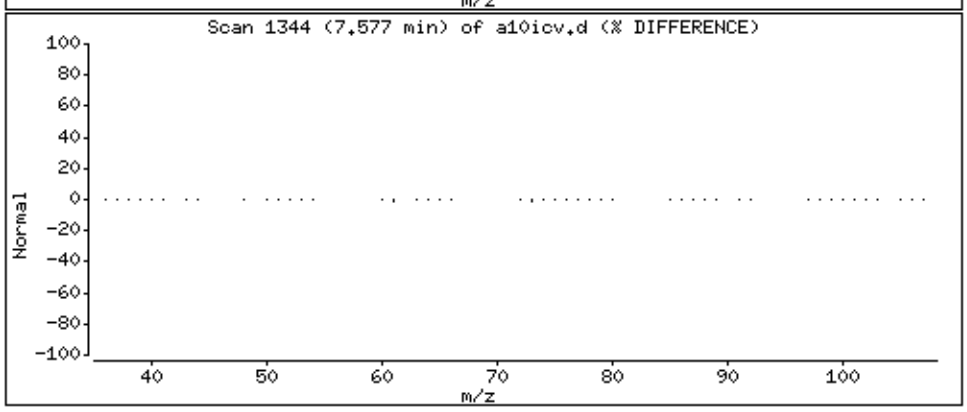
68 Styrene

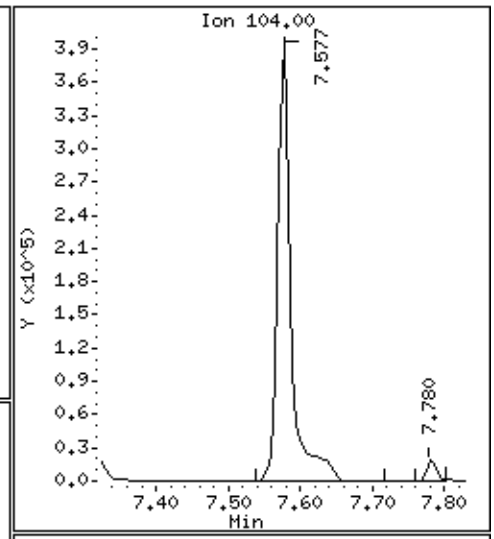
Concentration: 48.5 ppb

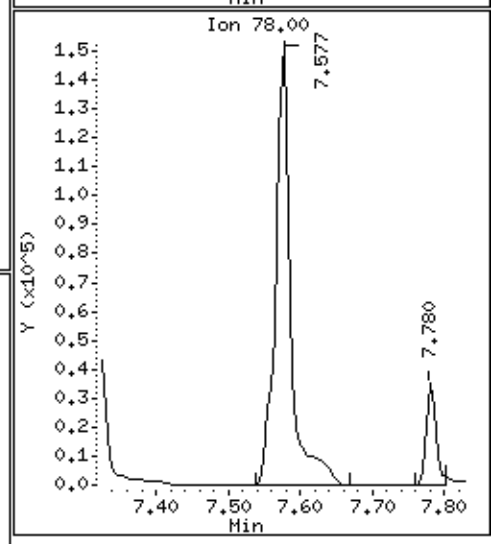












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

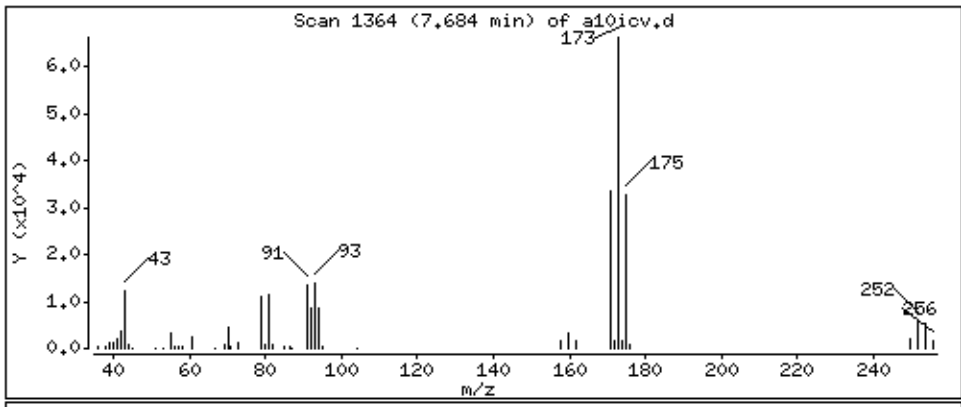
Operator: ala

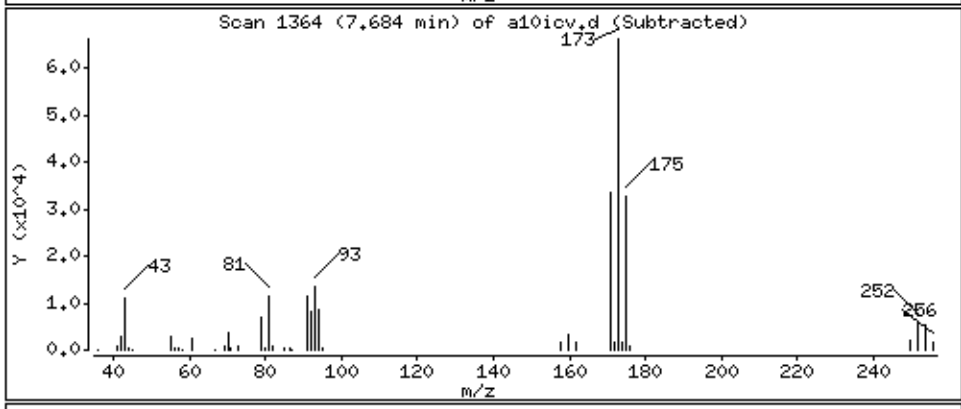
Column phase: DB-624

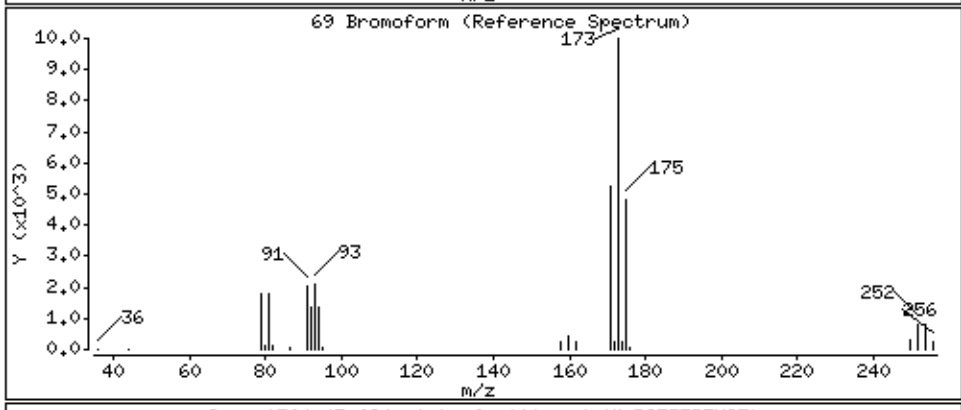
Column diameter: 0.18

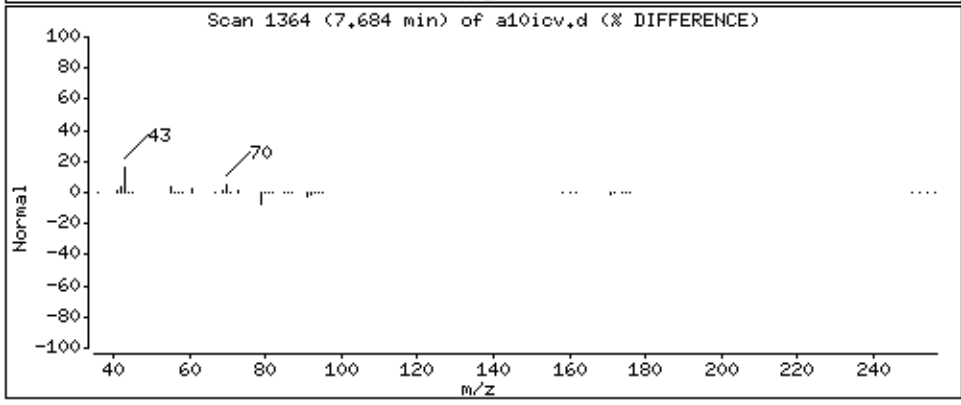
69 Bromoform

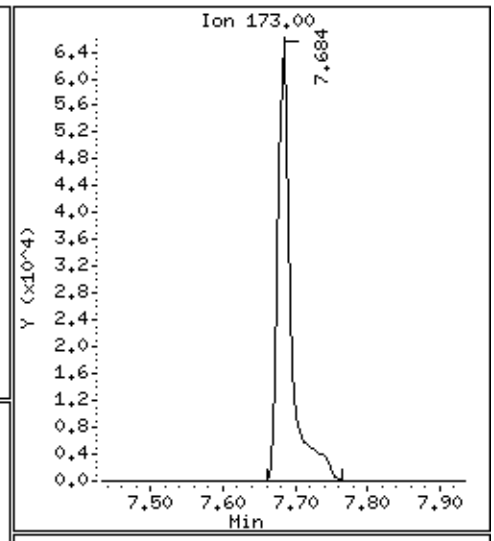
Concentration: 46.0 ppb

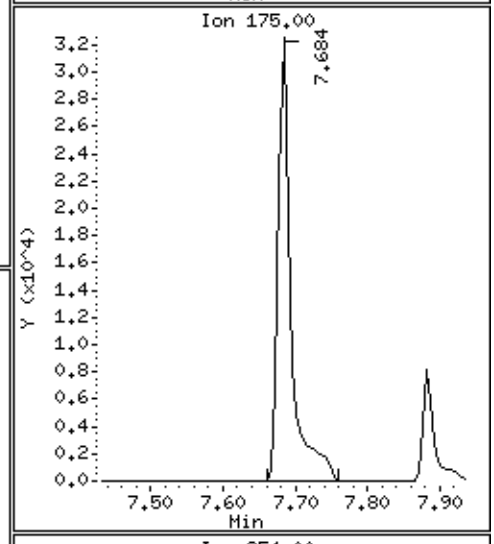


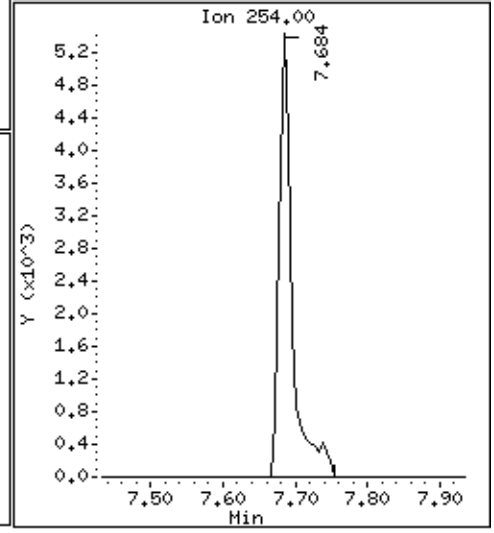












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

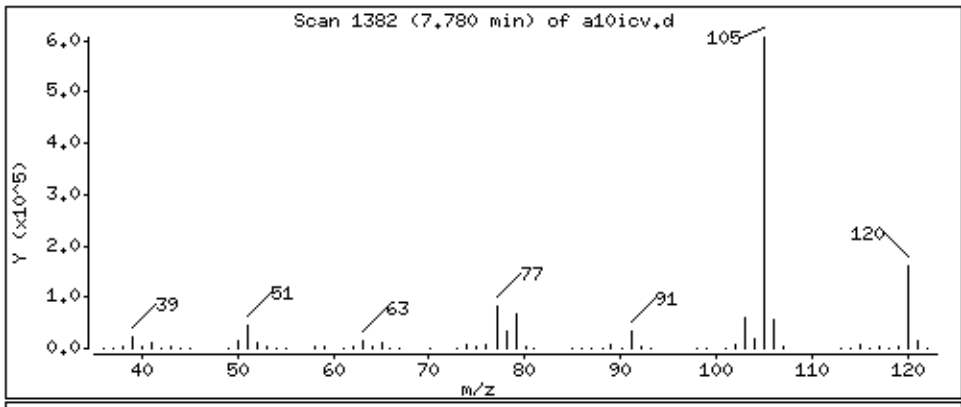
Operator: ala

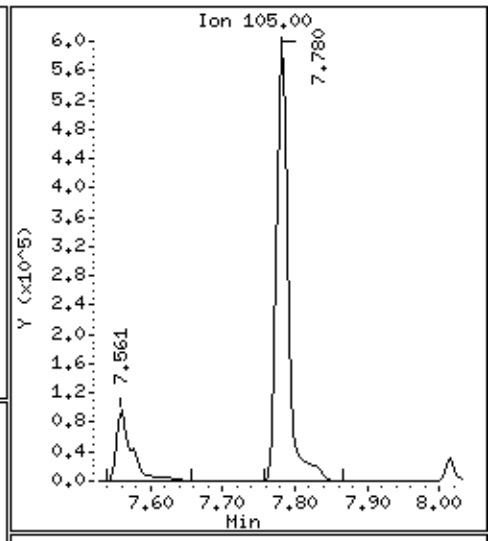
Column phase: DB-624

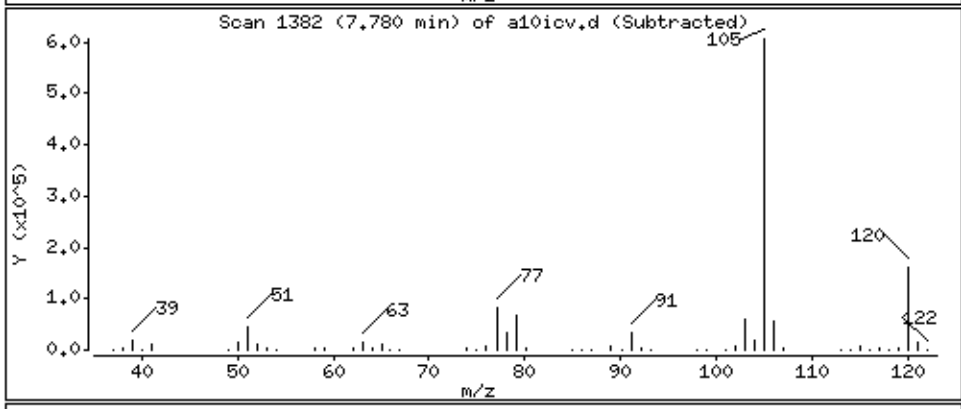
Column diameter: 0.18

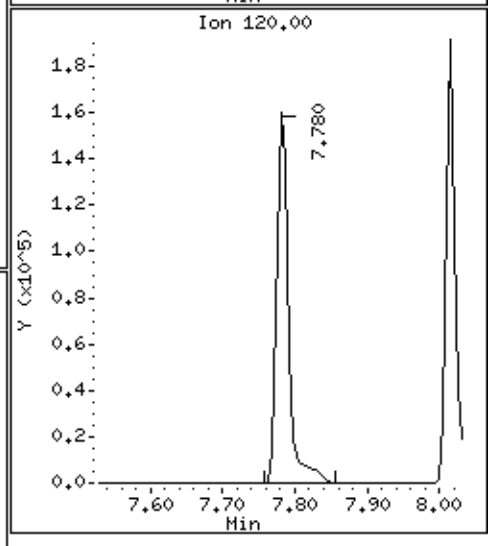
70 Isopropylbenzene

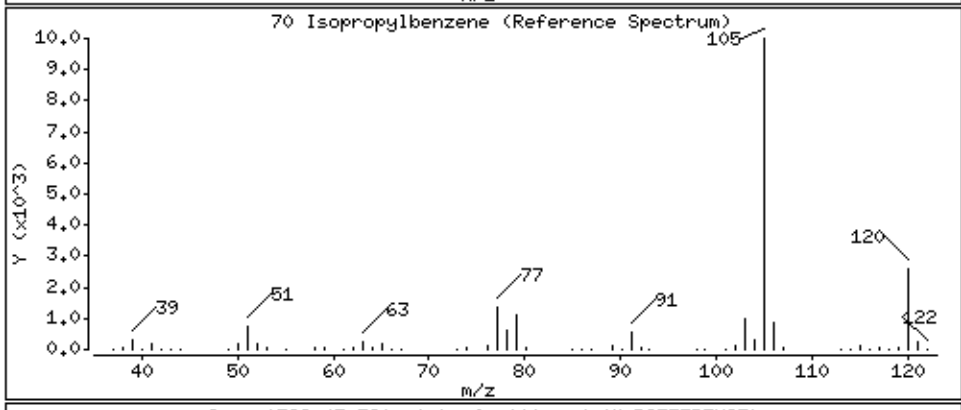
Concentration: 49.1 ppb

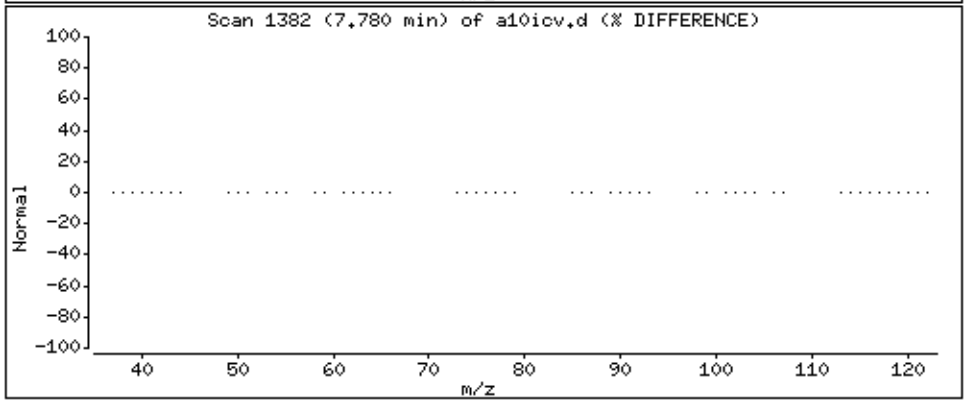












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

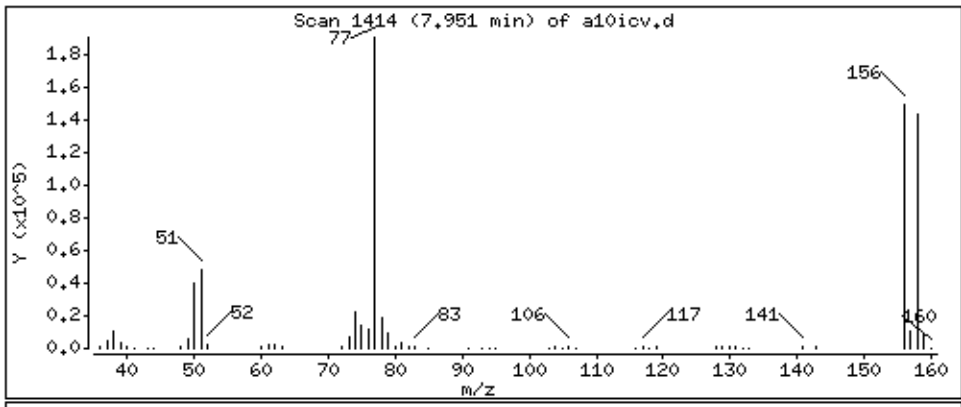
Operator: ala

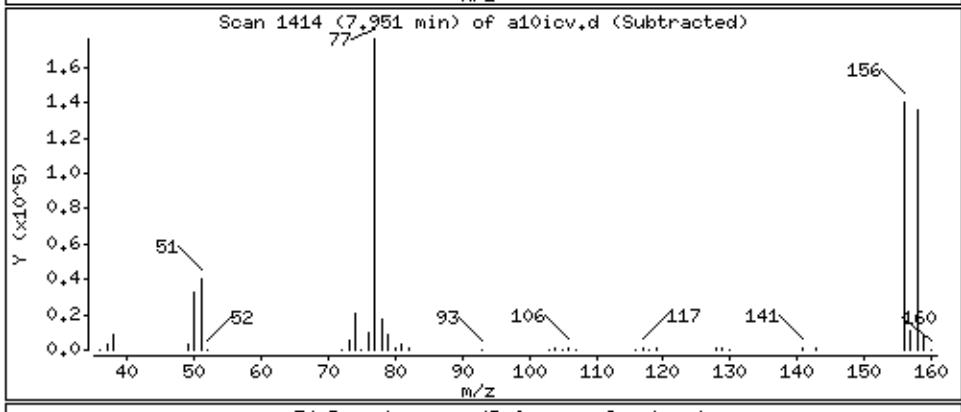
Column phase: DB-624

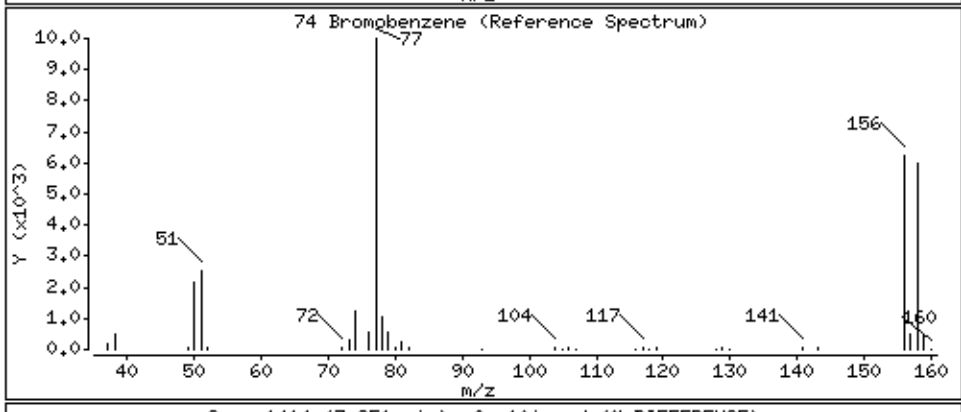
Column diameter: 0.18

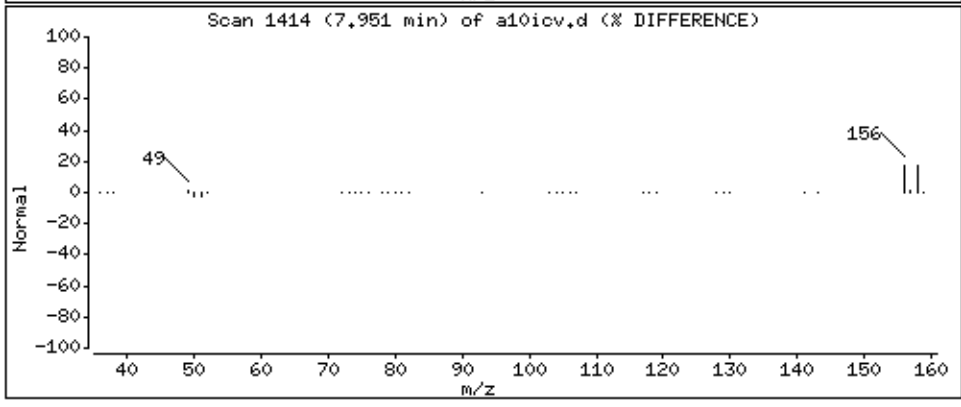
74 Bromobenzene

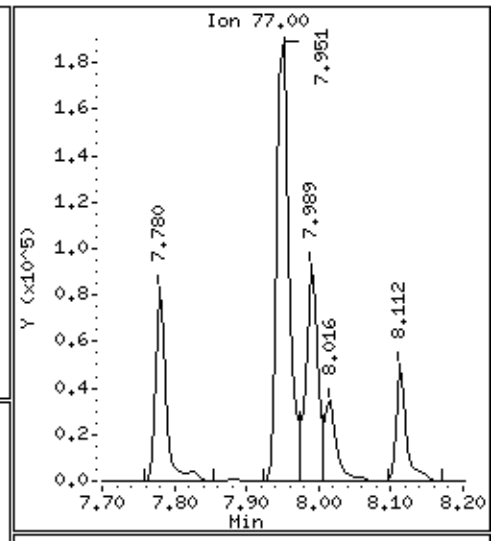
Concentration: 48.4 ppb

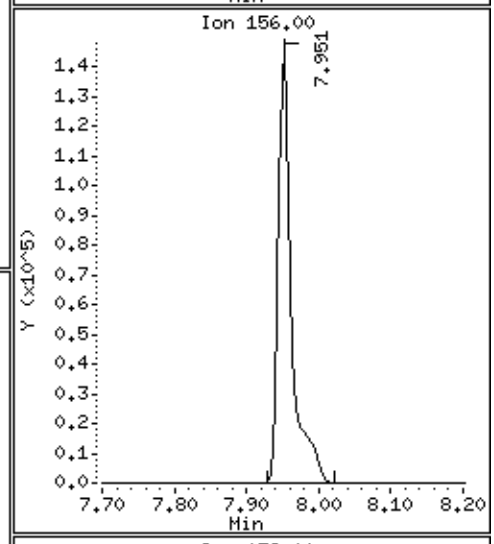


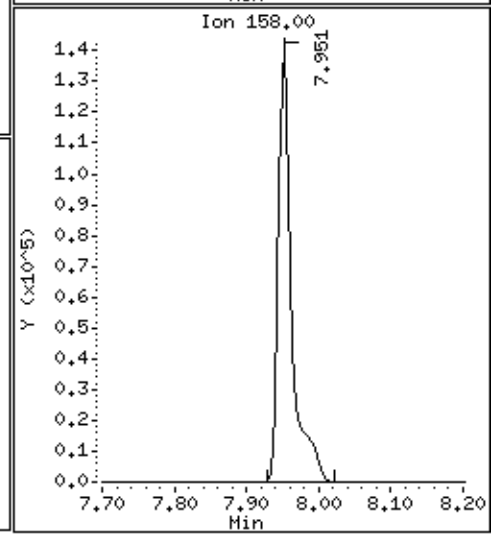












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

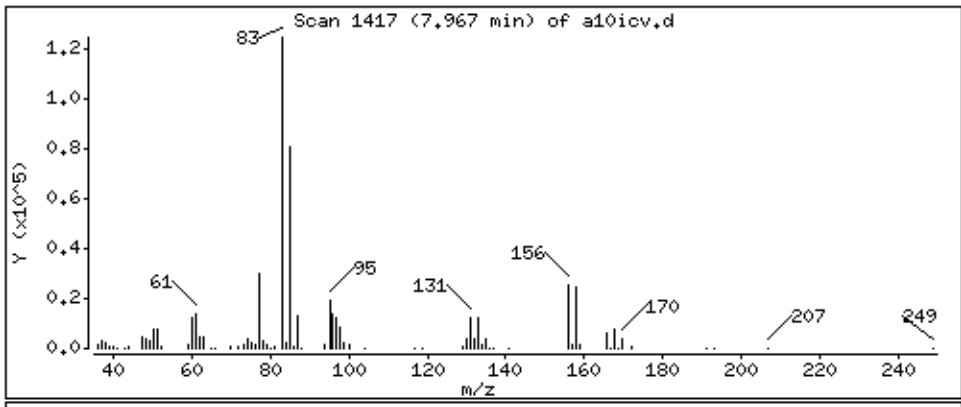
Operator: ala

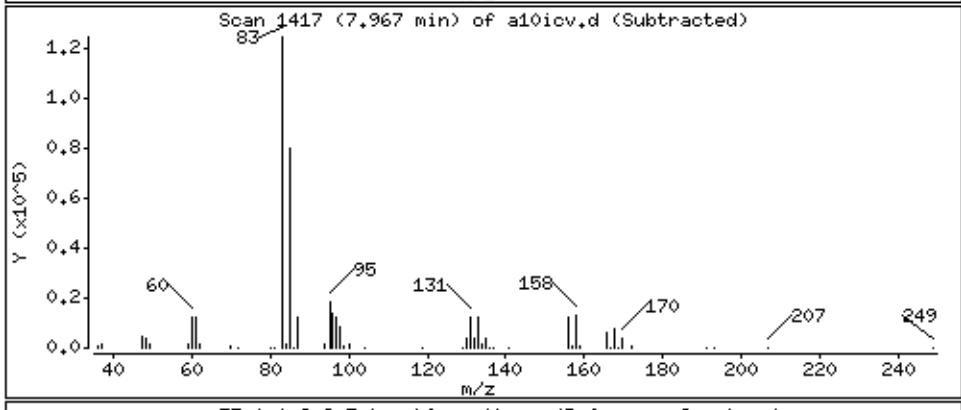
Column phase: DB-624

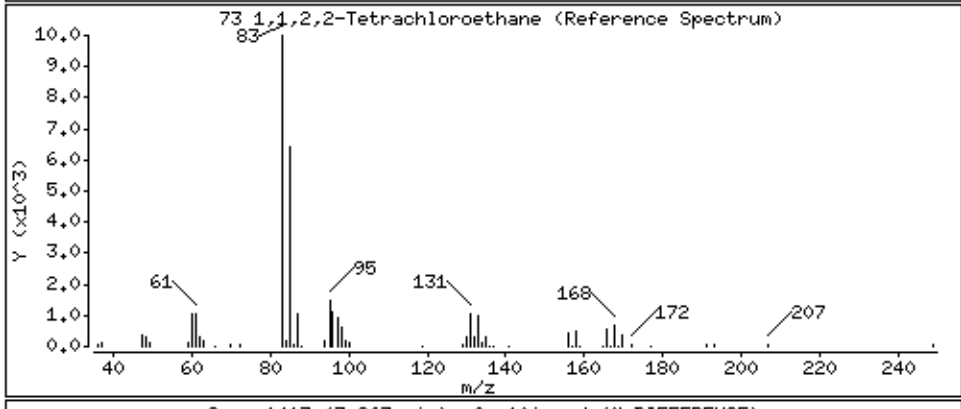
Column diameter: 0.18

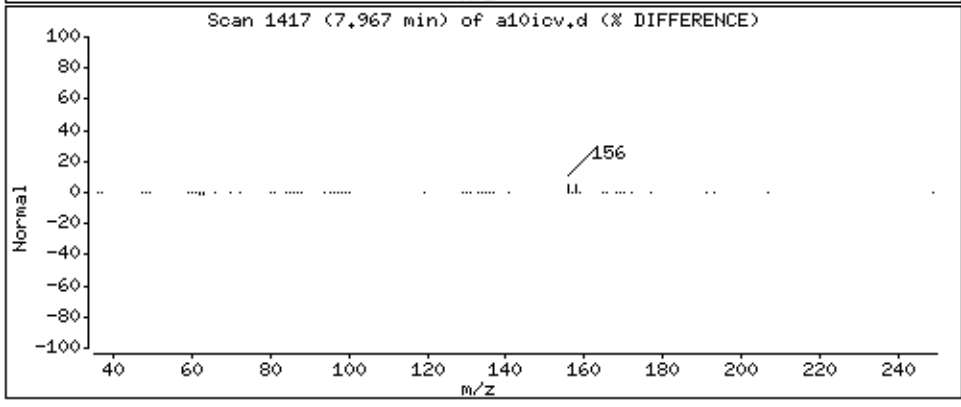
73 1,1,2,2-Tetrachloroethane

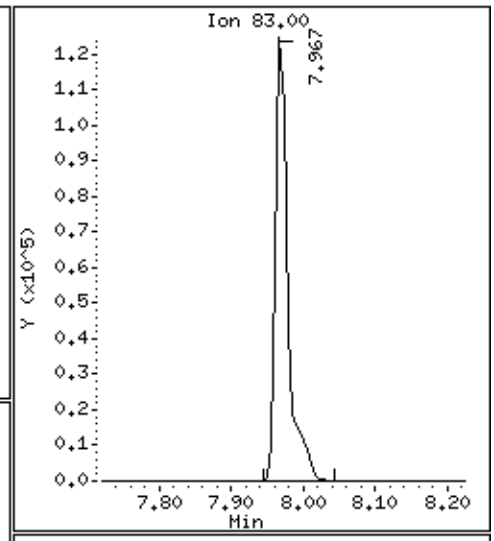
Concentration: 48.0 ppb

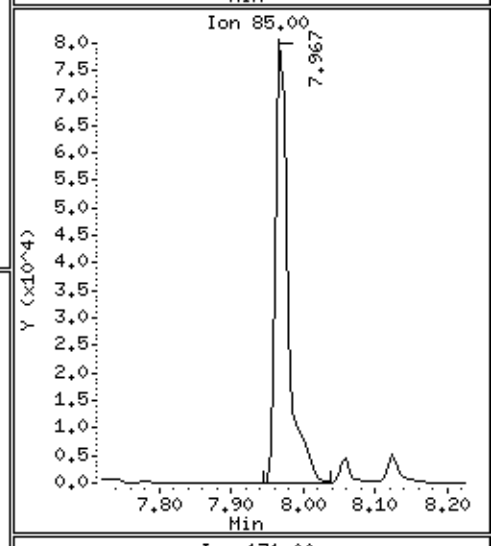


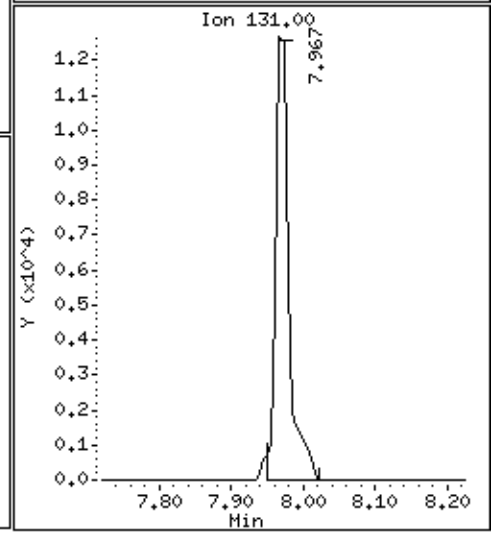












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

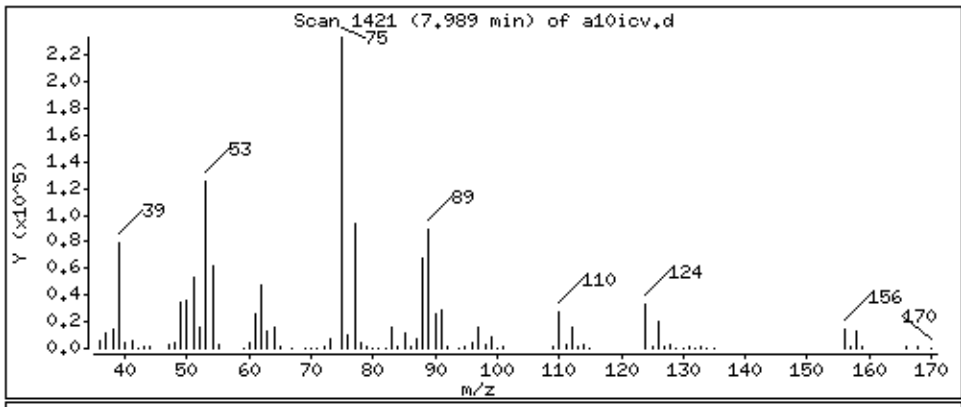
Operator: ala

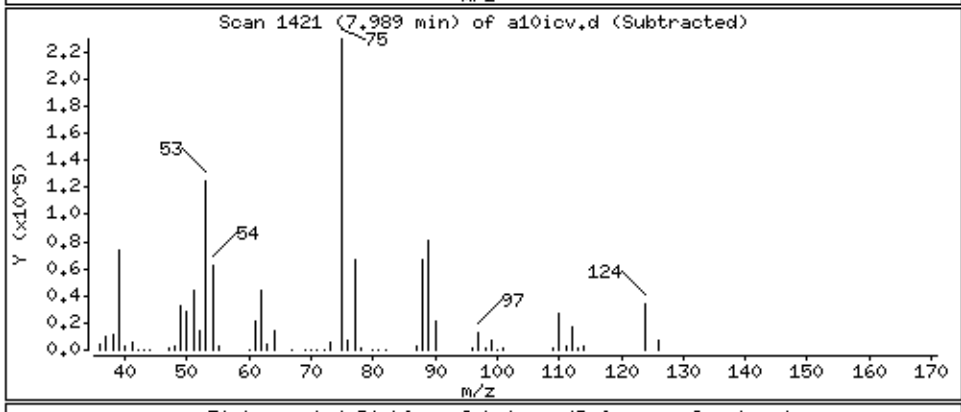
Column phase: DB-624

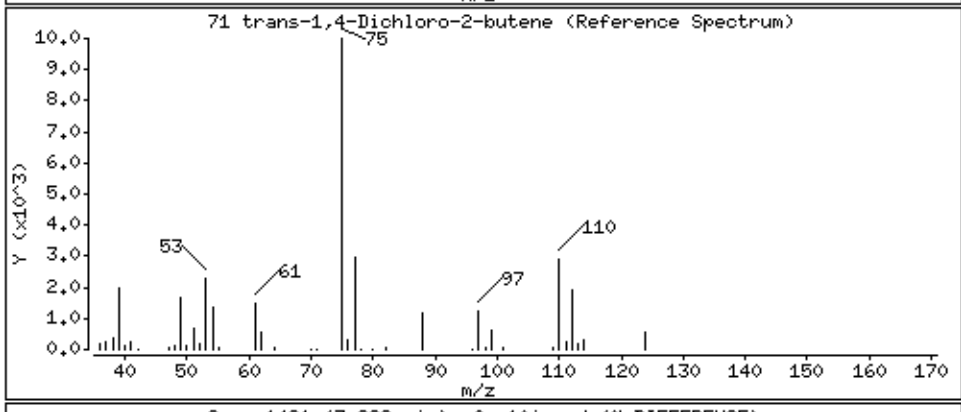
Column diameter: 0.18

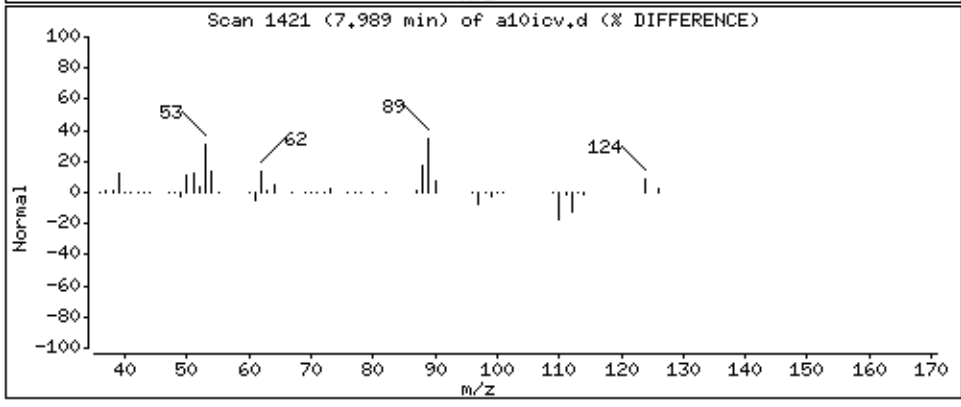
71 trans-1,4-Dichloro-2-butene

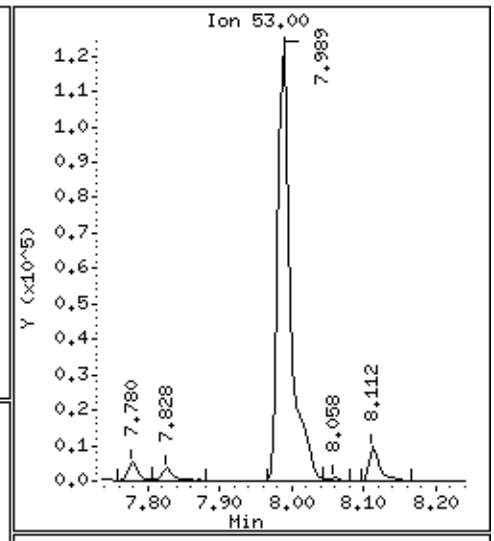
Concentration: 201 ppb

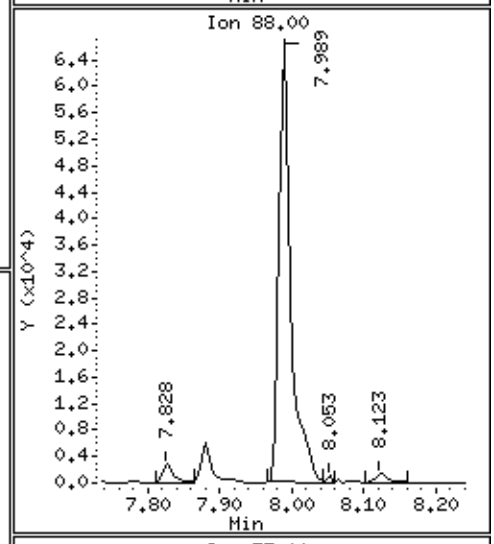


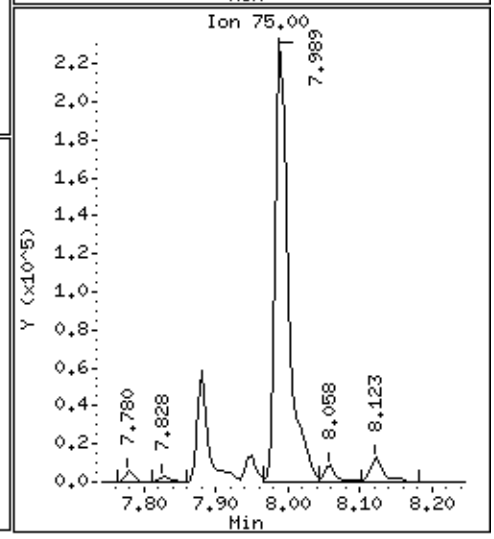












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

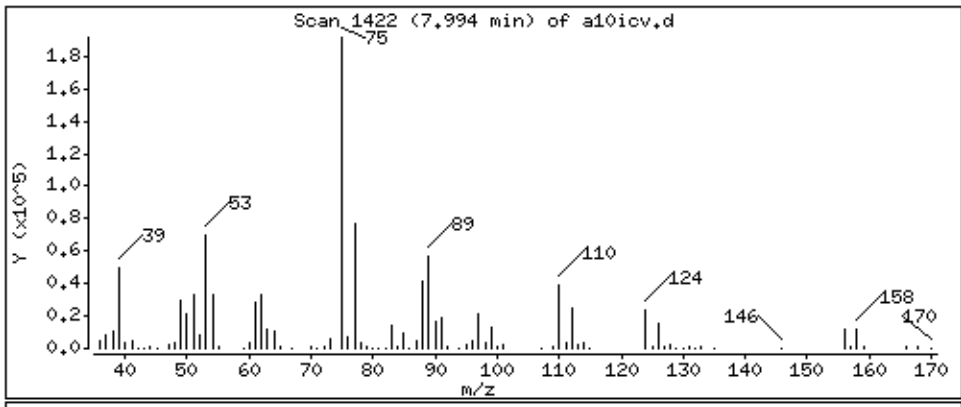
Operator: ala

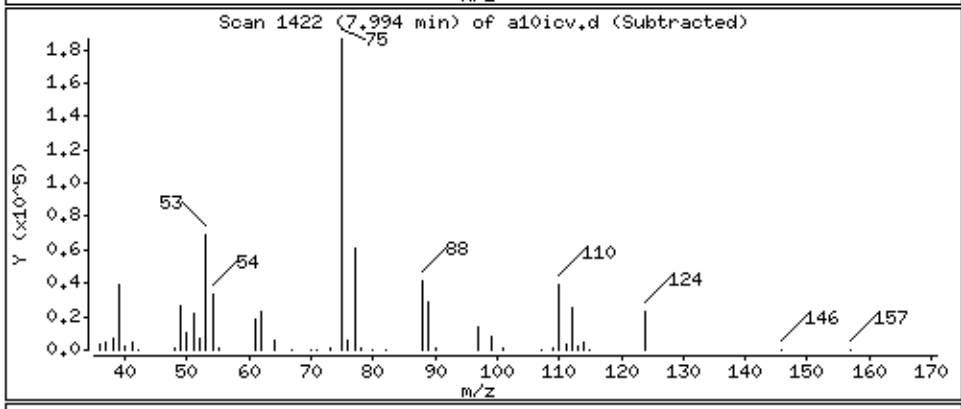
Column phase: DB-624

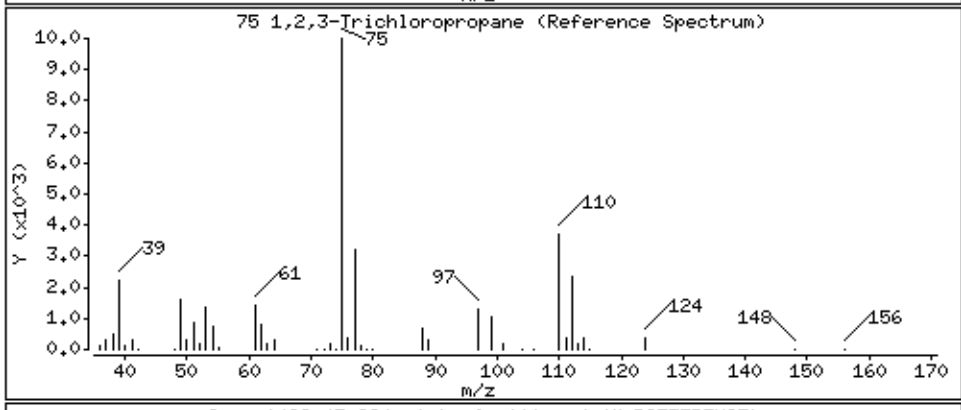
Column diameter: 0.18

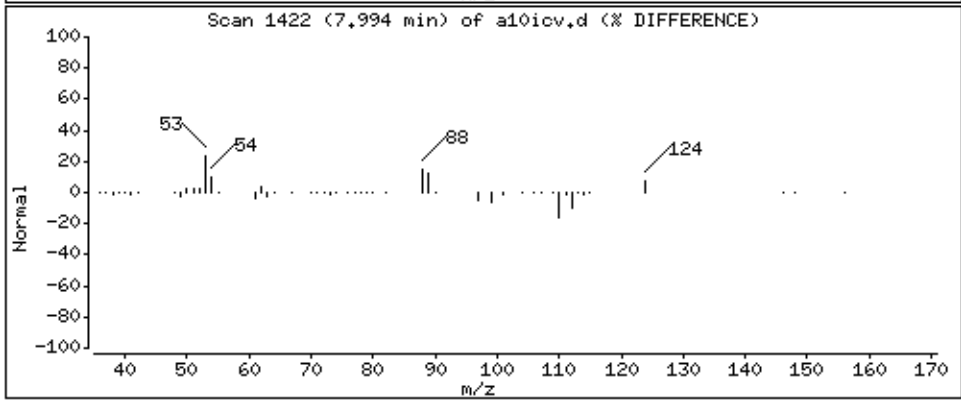
75 1,2,3-Trichloropropane

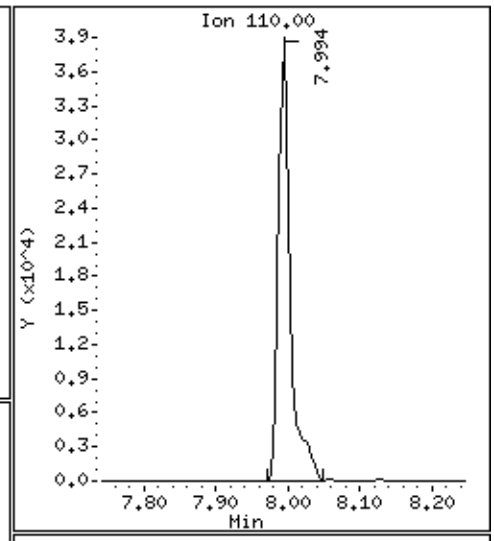
Concentration: 50.4 ppb

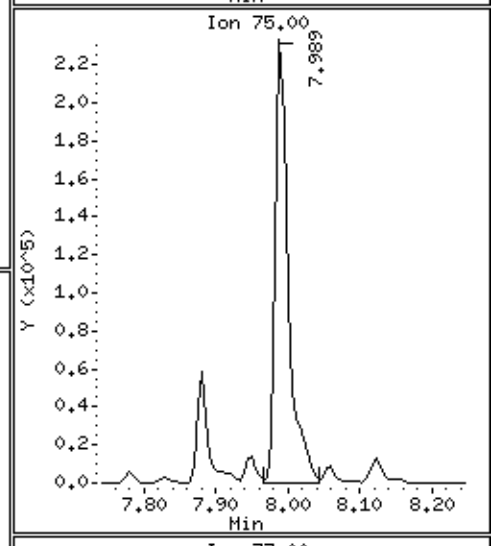


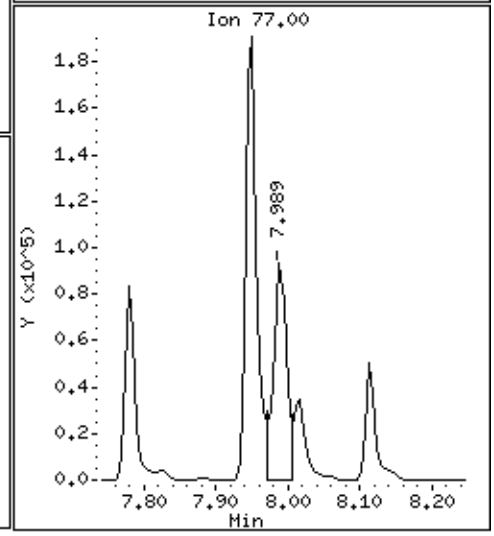












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

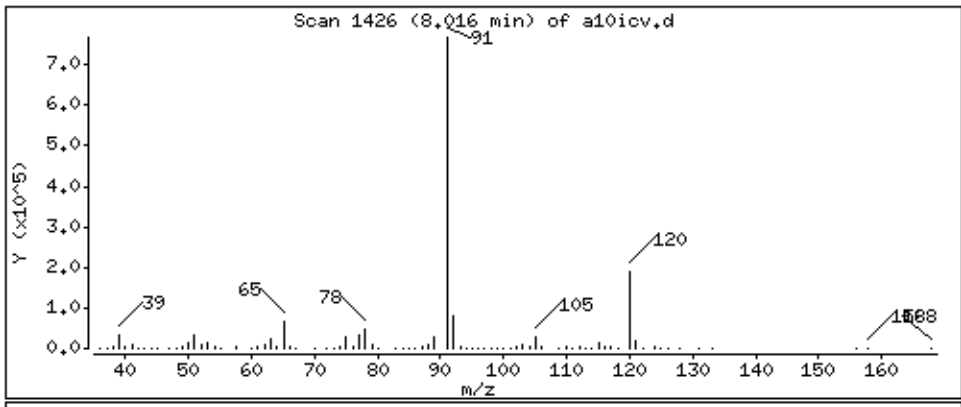
Operator: ala

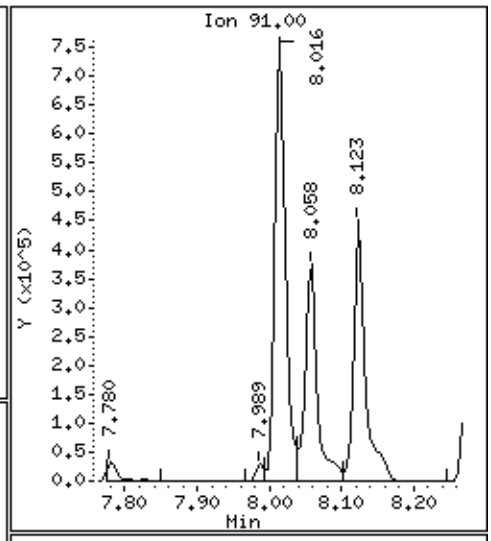
Column phase: DB-624

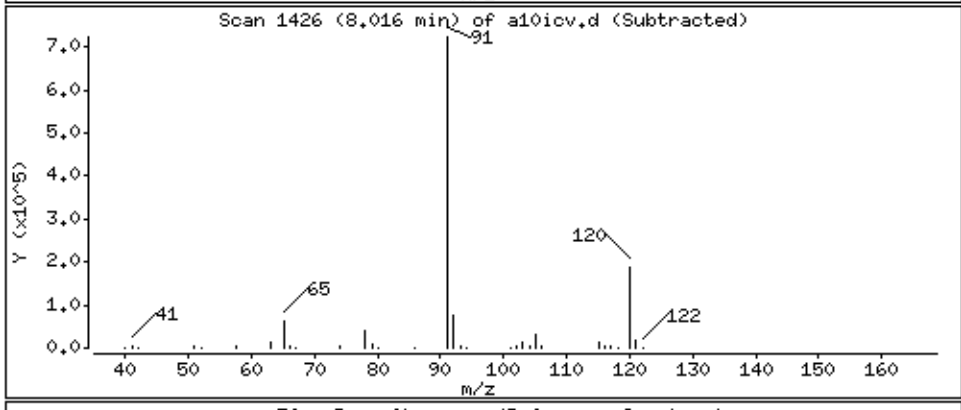
Column diameter: 0.18

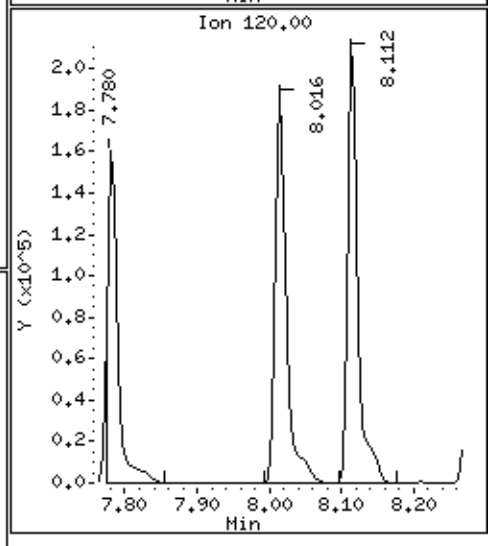
76 n-Propylbenzene

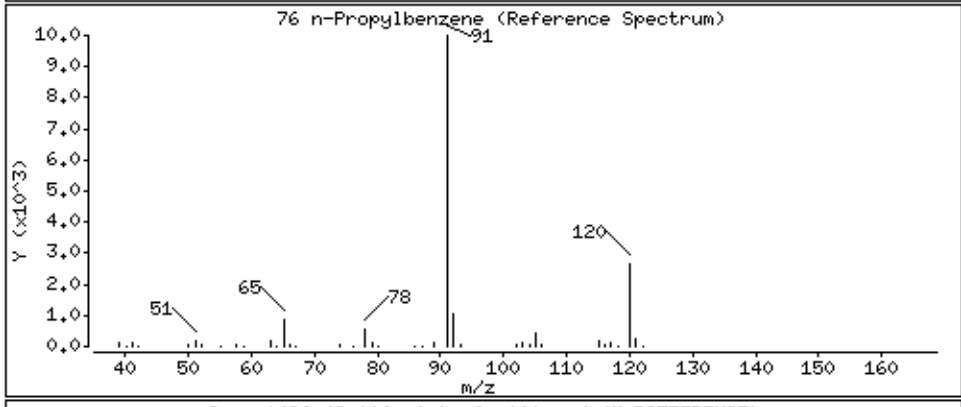
Concentration: 48.5 ppb

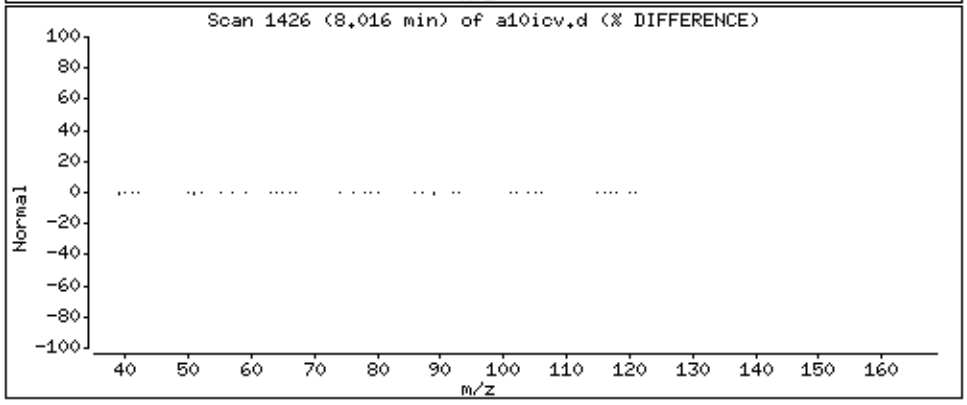












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

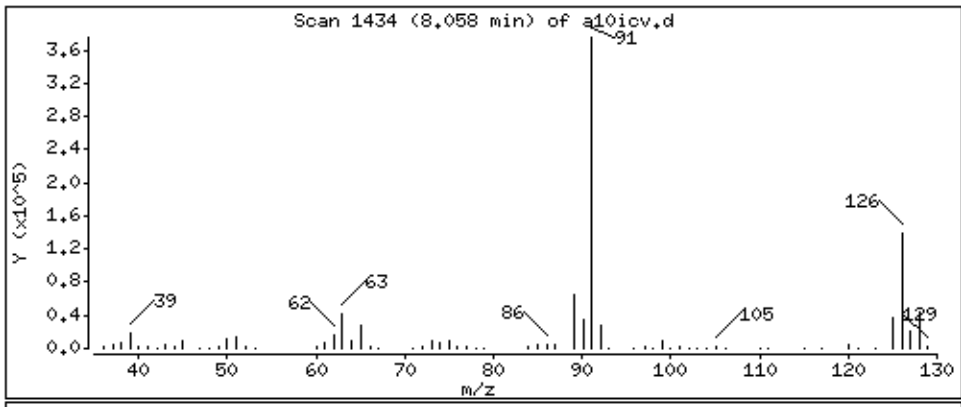
Operator: ala

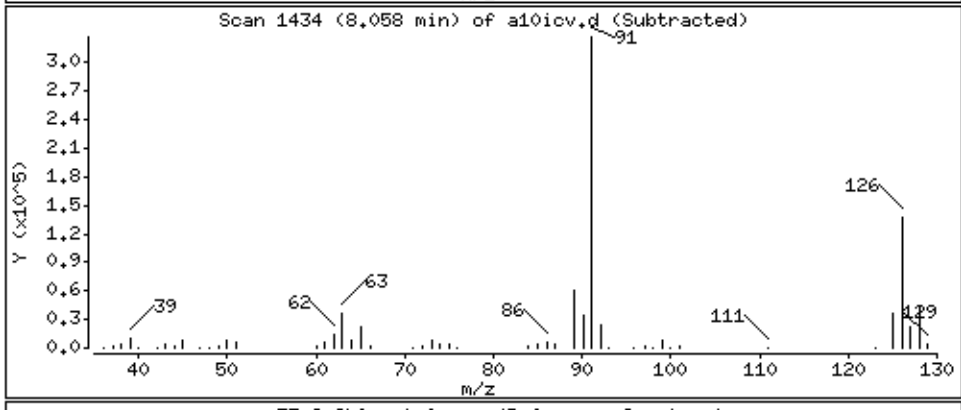
Column phase: DB-624

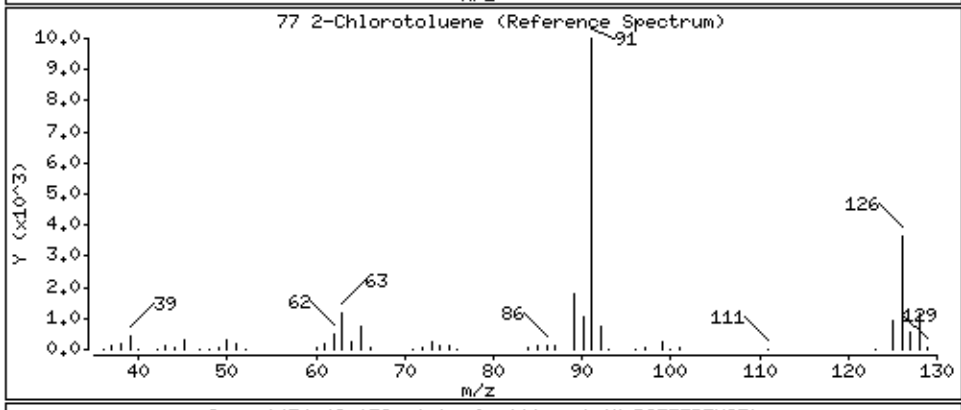
Column diameter: 0.18

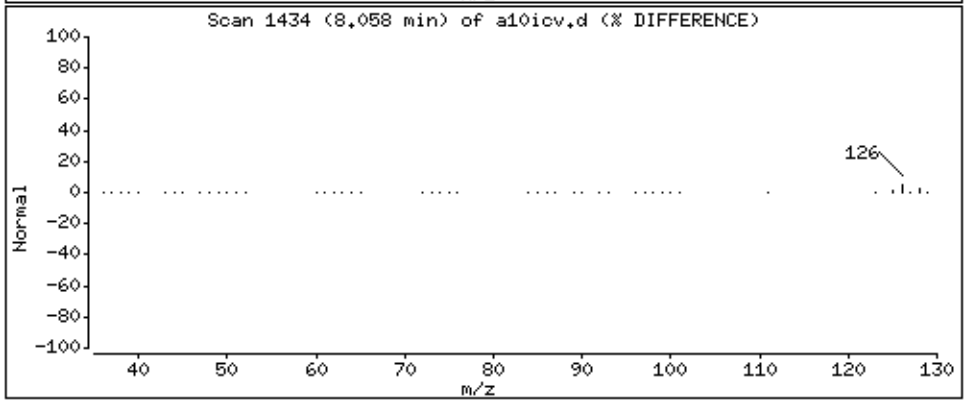
77 2-Chlorotoluene

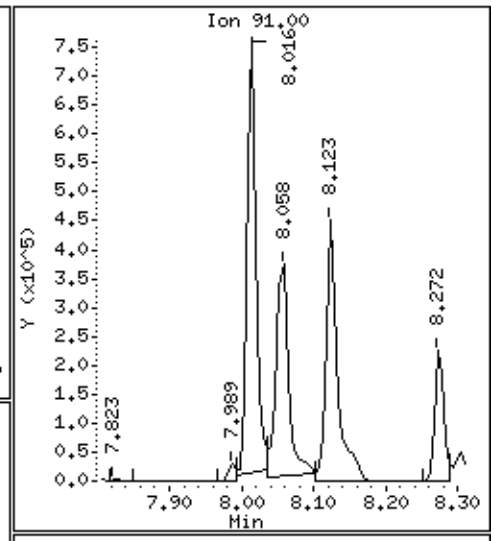
Concentration: 45.8 ppb

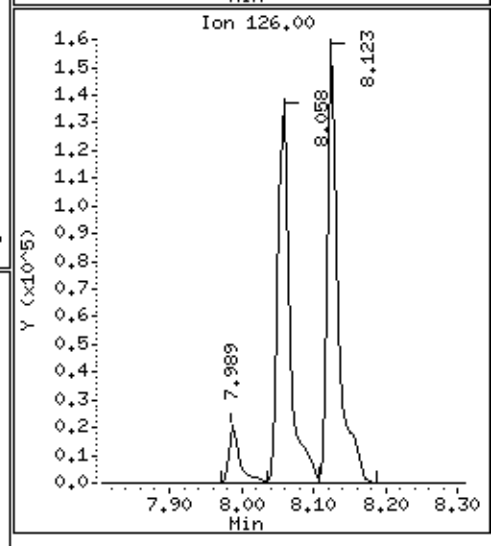












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

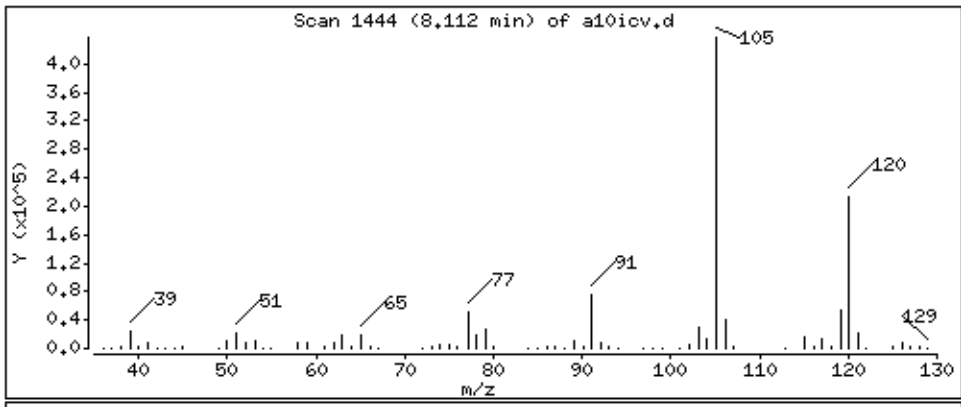
Operator: ala

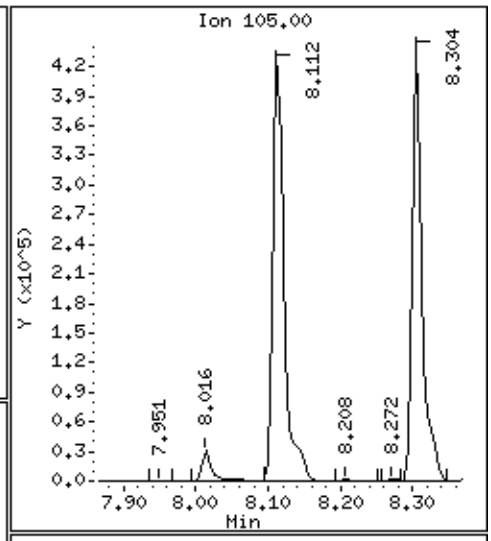
Column phase: DB-624

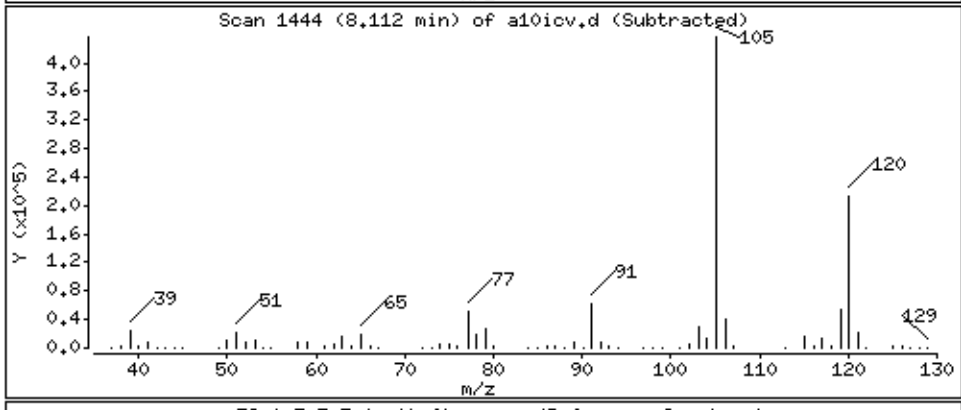
Column diameter: 0.18

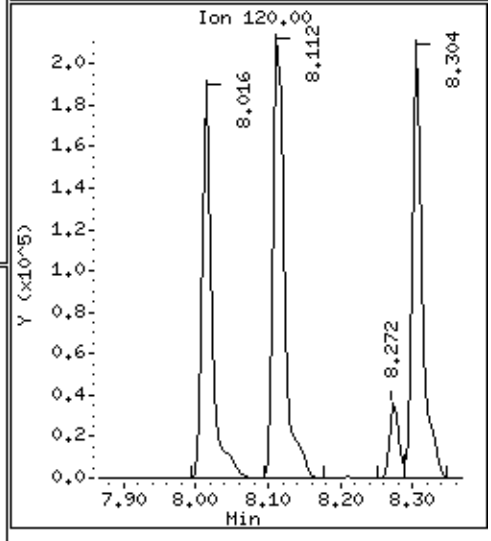
78 1,3,5-Trimethylbenzene

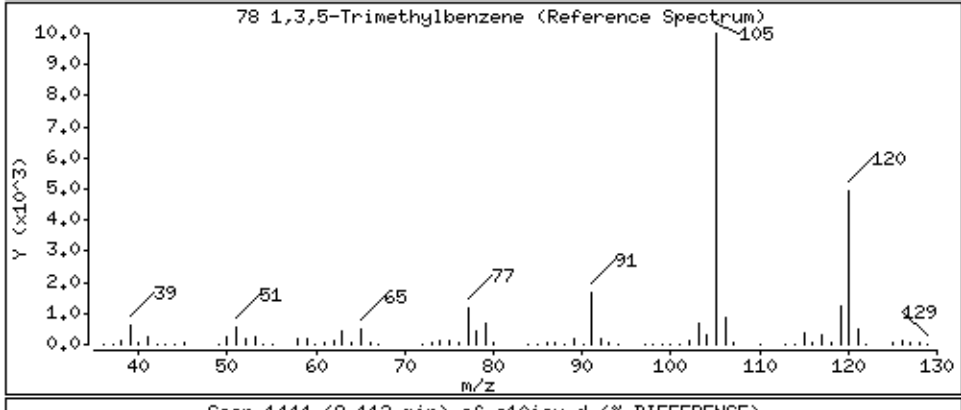
Concentration: 42.2 ppb

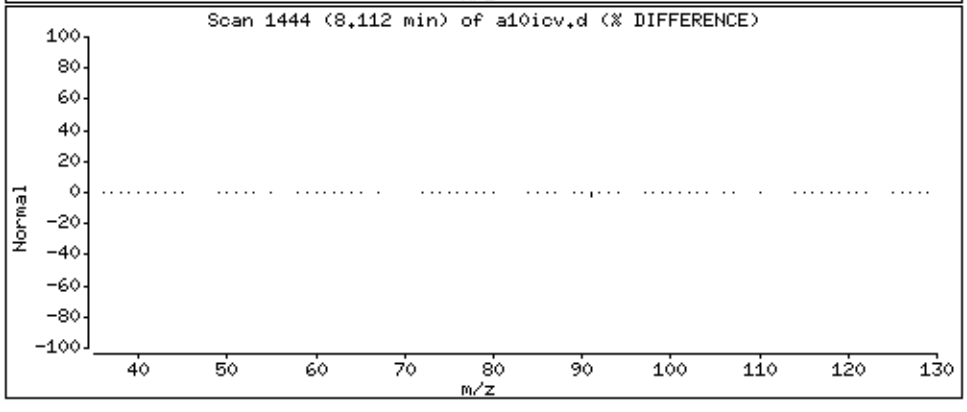












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

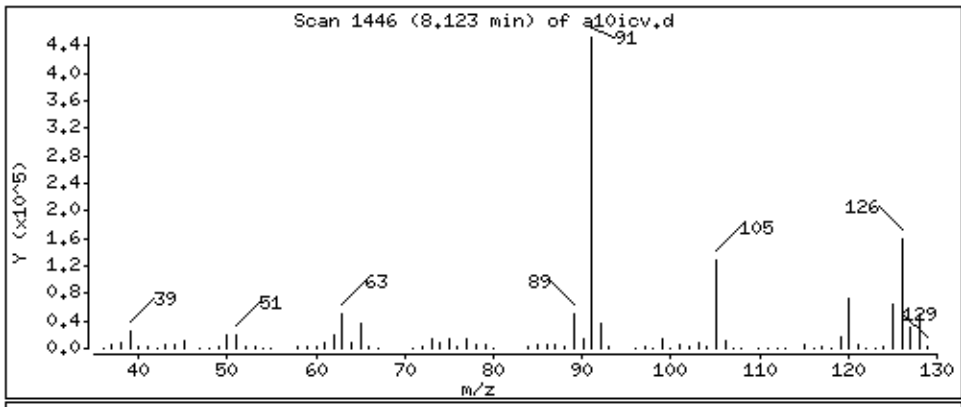
Operator: ala

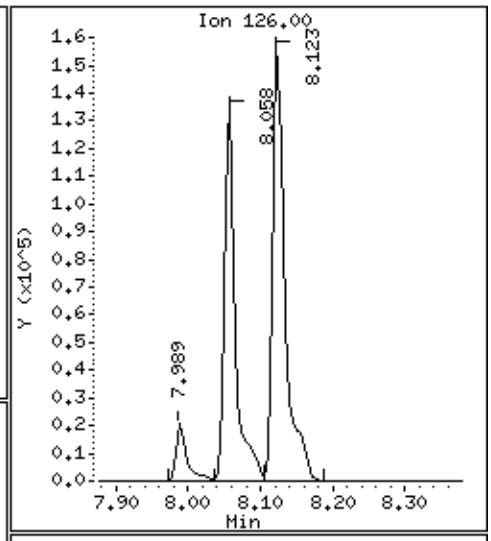
Column phase: DB-624

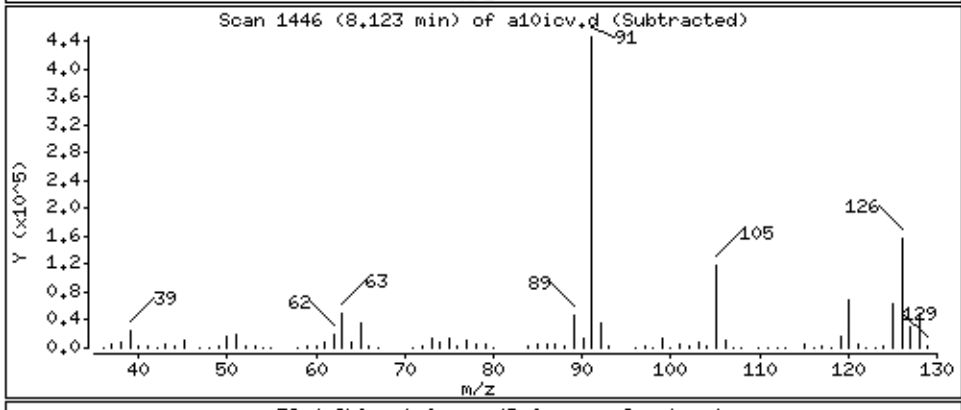
Column diameter: 0.18

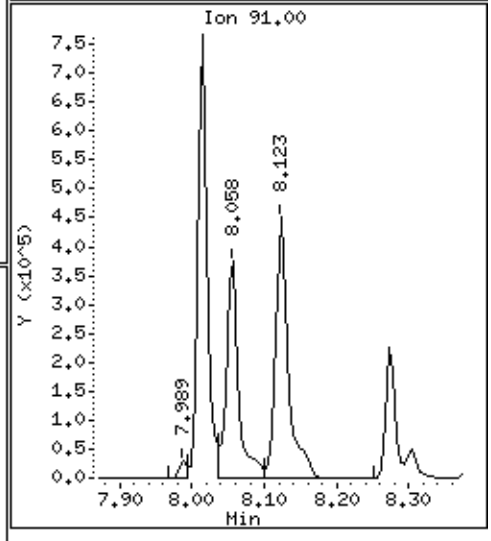
79 4-Chlorotoluene

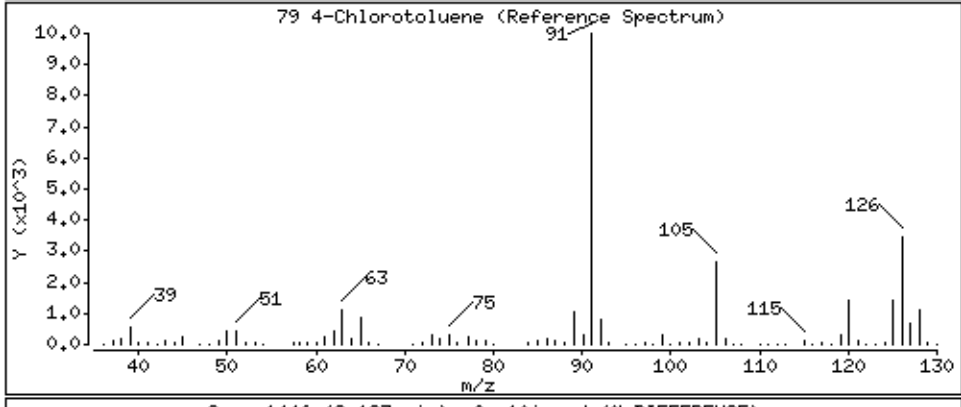
Concentration: 48.6 ppb

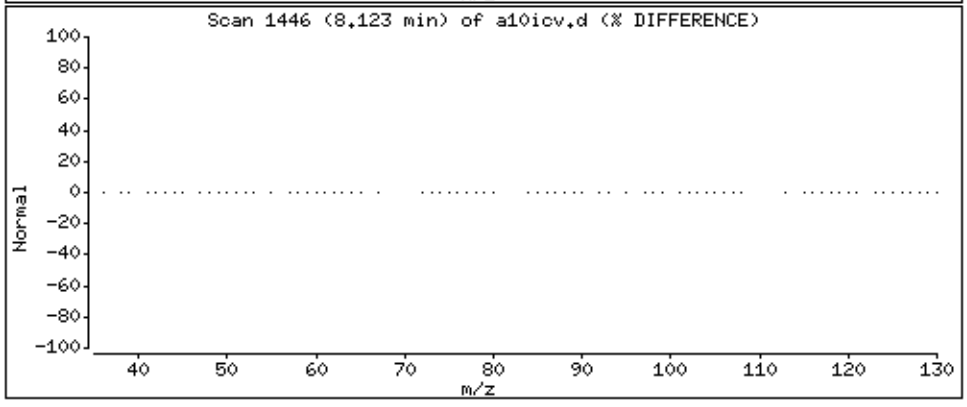












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

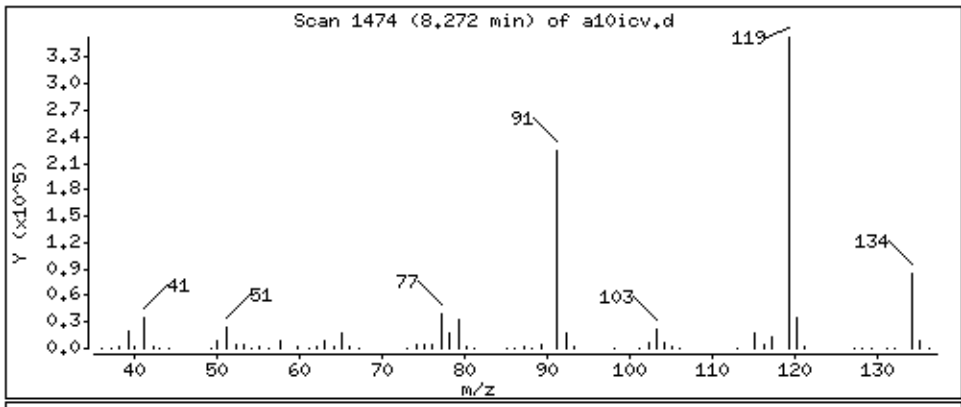
Operator: ala

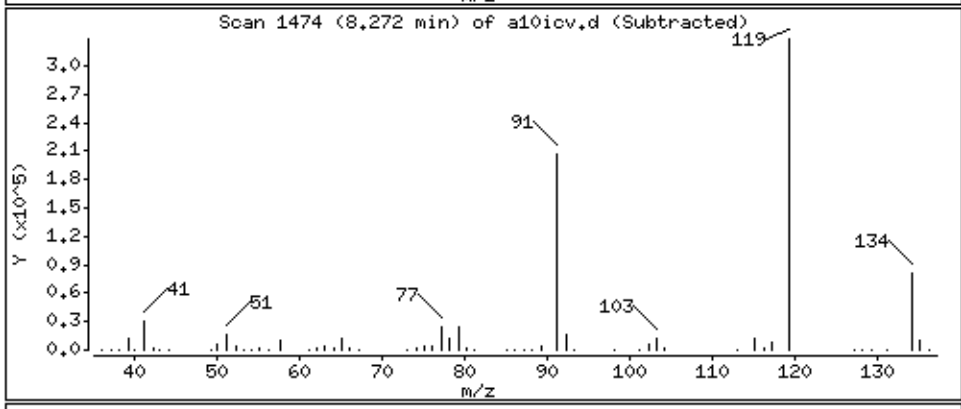
Column phase: DB-624

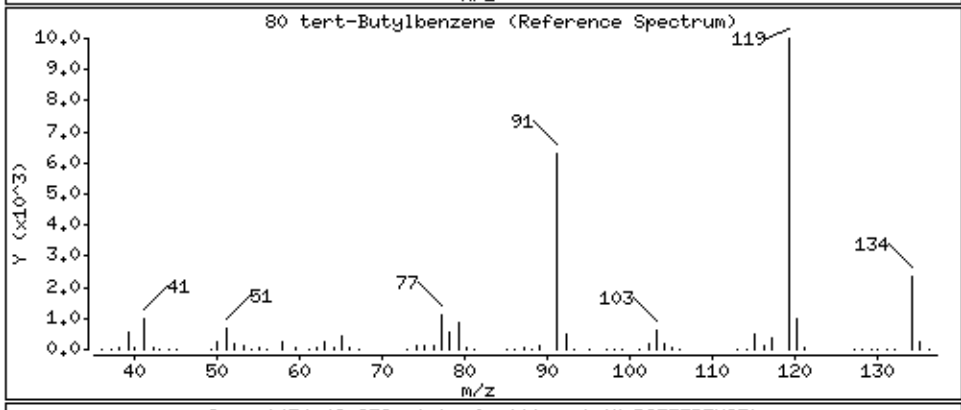
Column diameter: 0.18

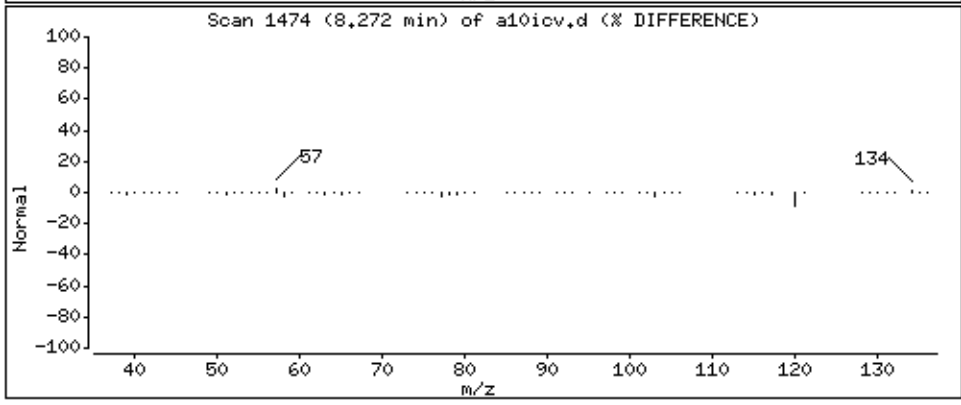
80 tert-Butylbenzene

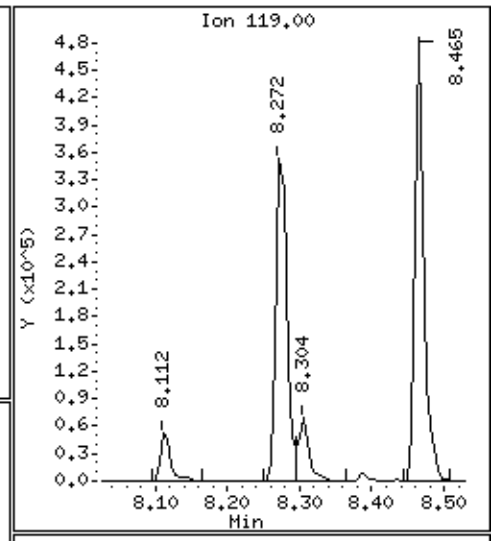
Concentration: 35.0 ppb

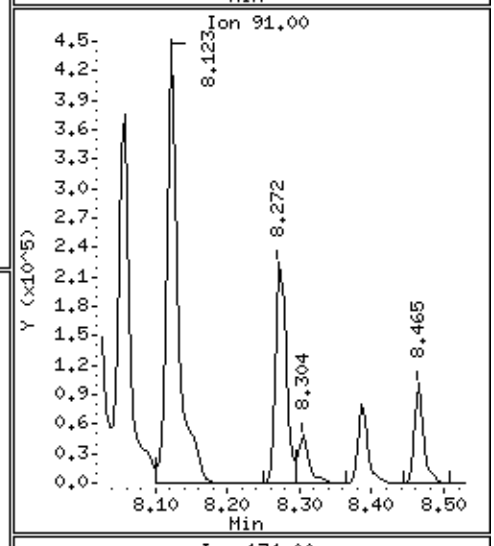


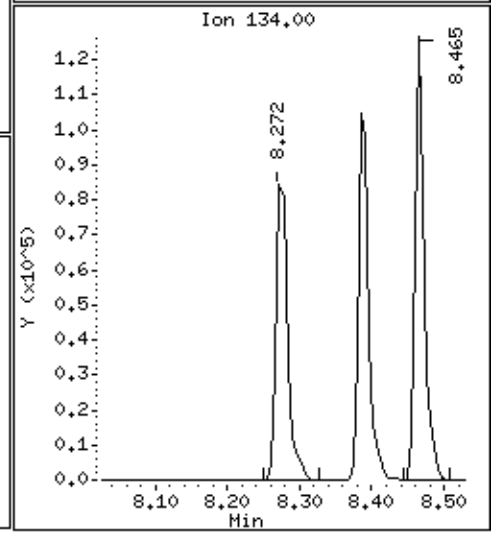












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

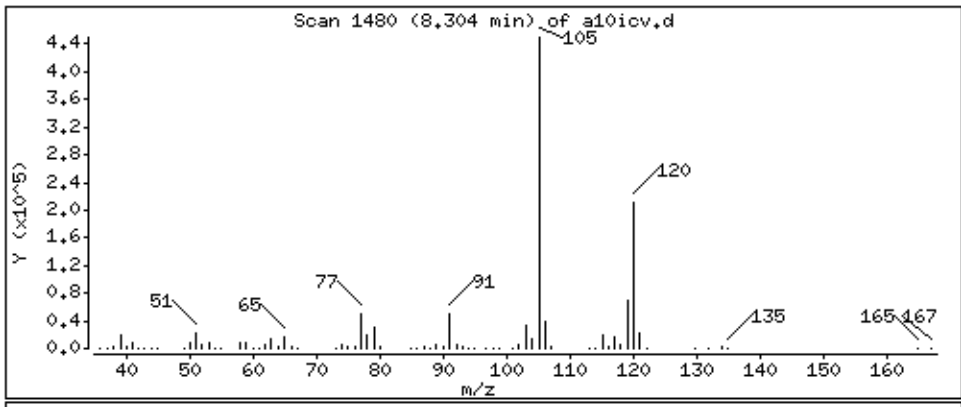
Operator: ala

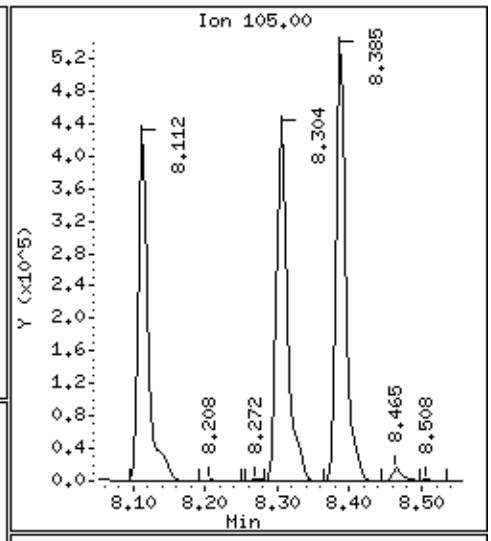
Column phase: DB-624

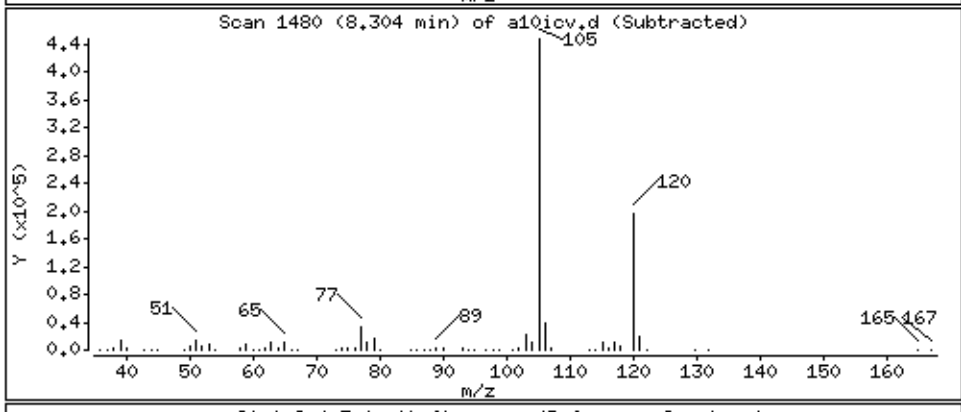
Column diameter: 0.18

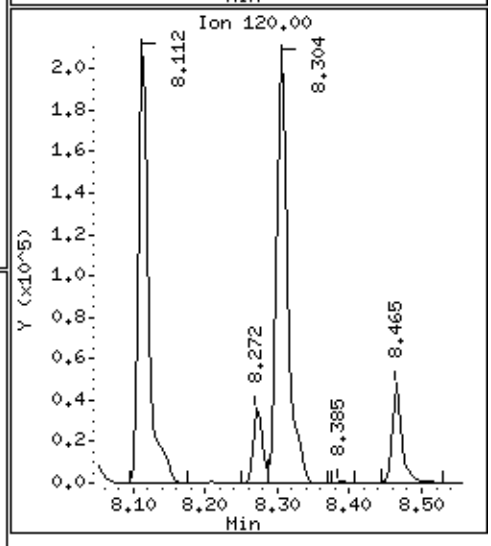
81 1,2,4-Trimethylbenzene

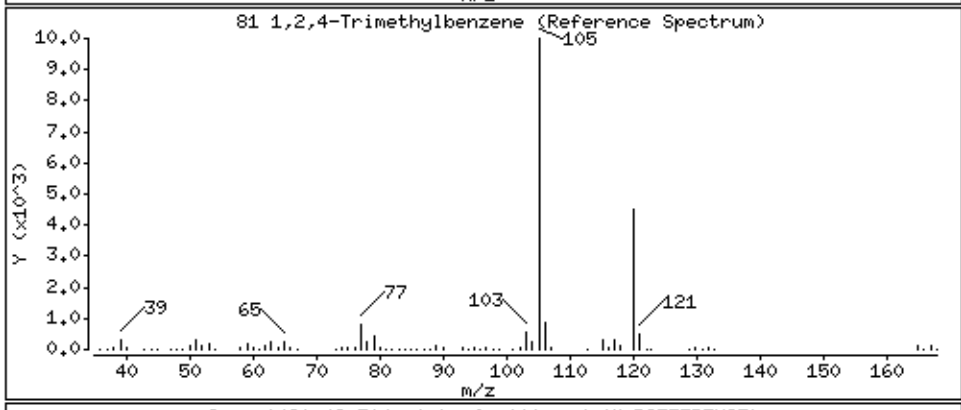
Concentration: 42.6 ppb

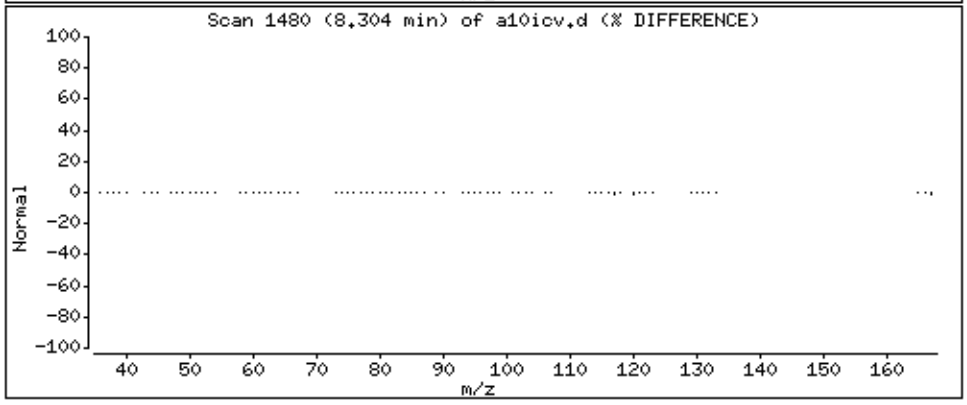












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

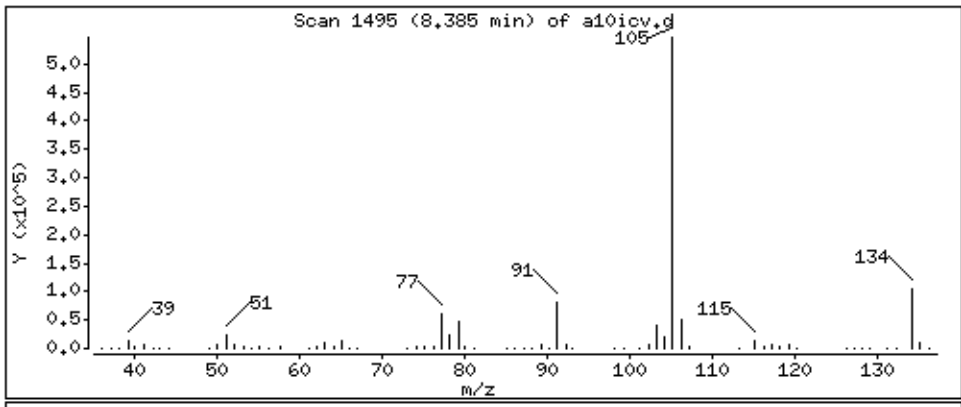
Operator: ala

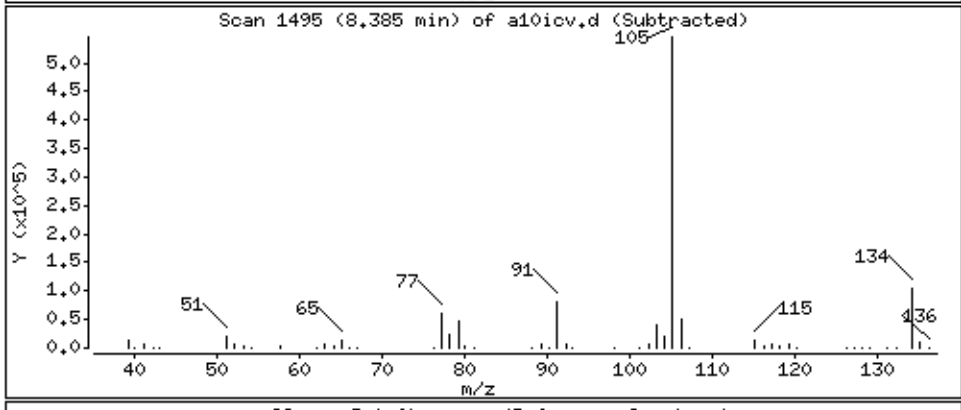
Column phase: DB-624

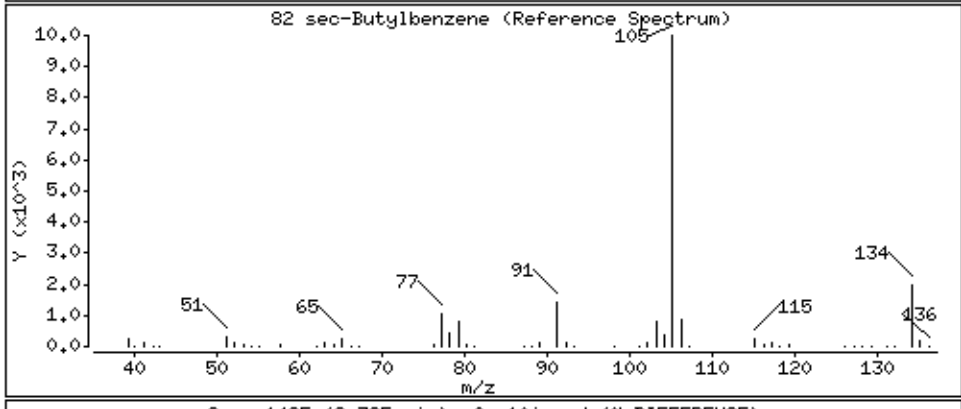
Column diameter: 0.18

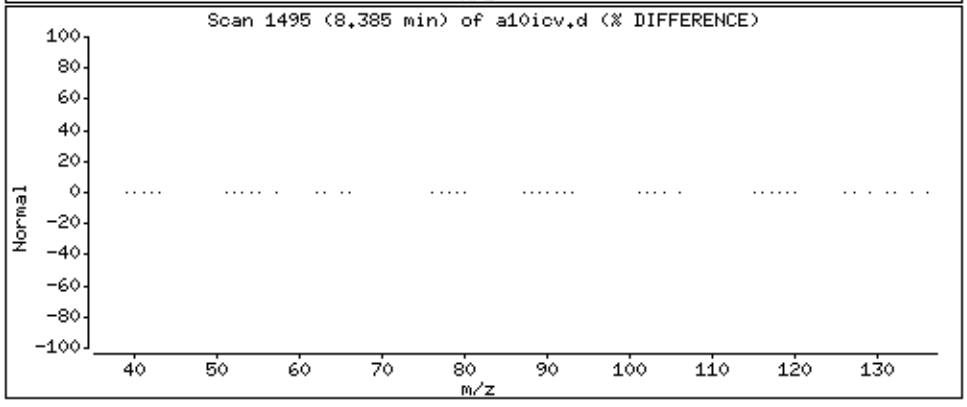
82 sec-Butylbenzene

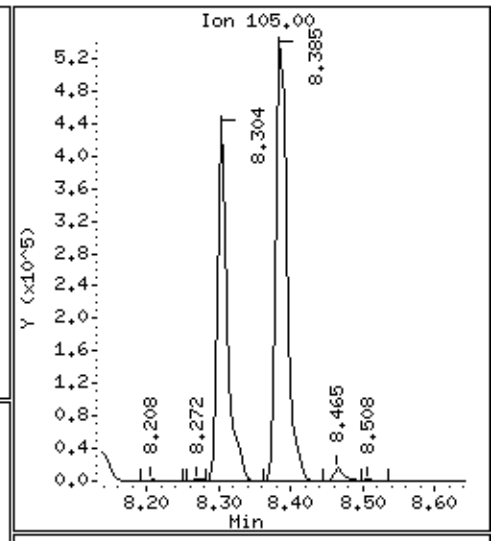
Concentration: 42.3 ppb

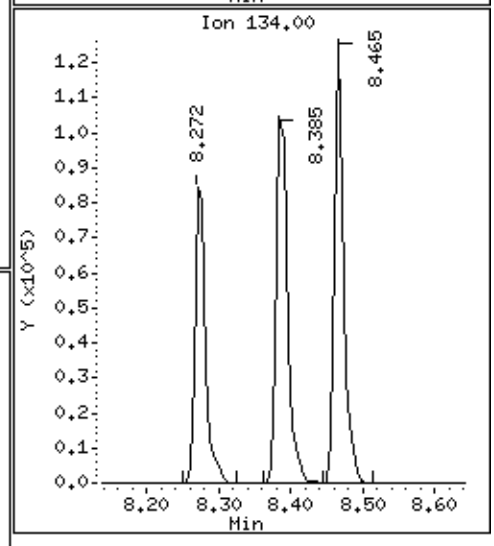












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Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

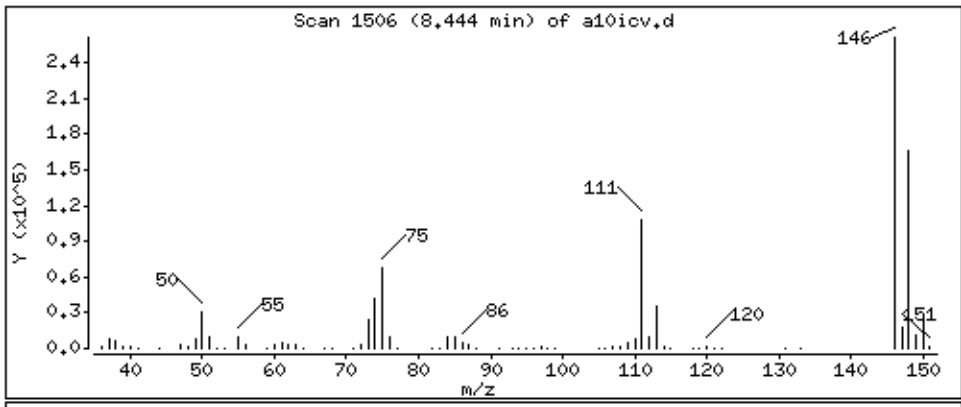
Operator: ala

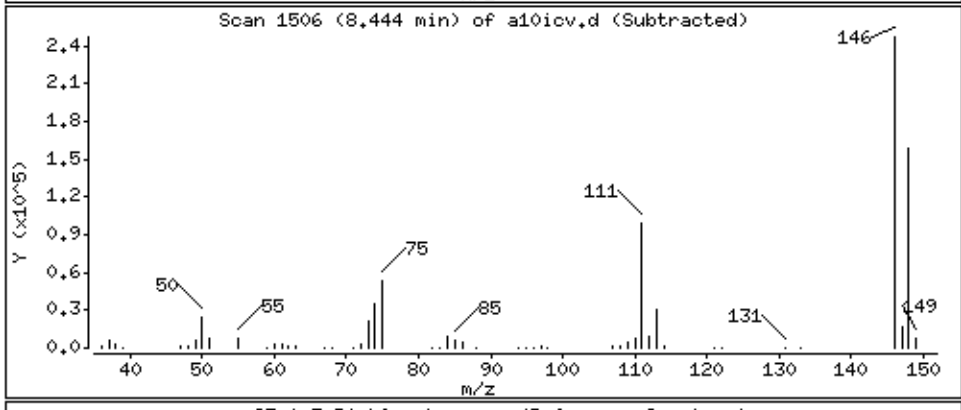
Column phase: DB-624

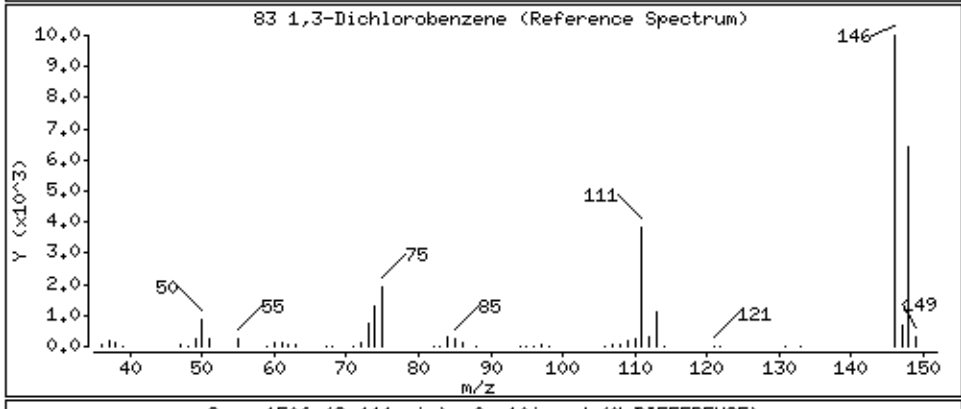
Column diameter: 0.18

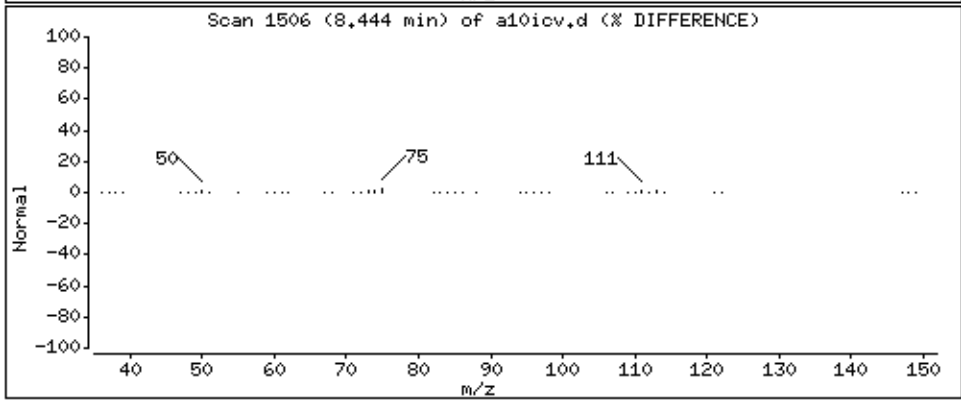
83 1,3-Dichlorobenzene

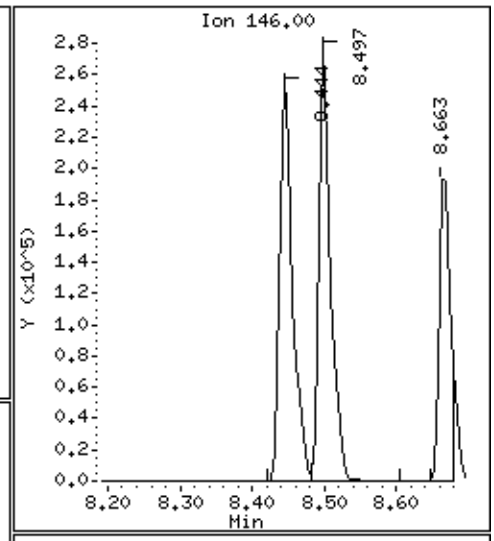
Concentration: 46.3 ppb

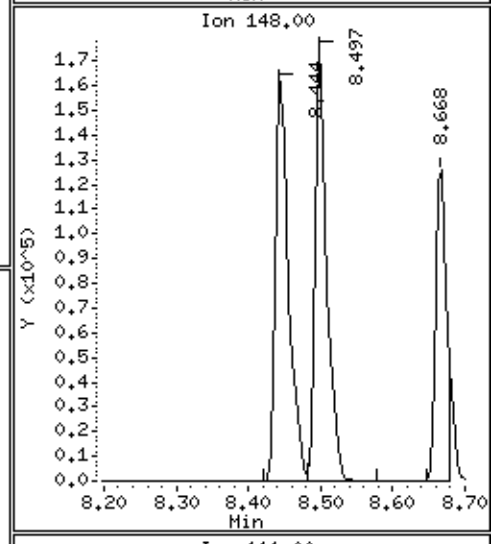


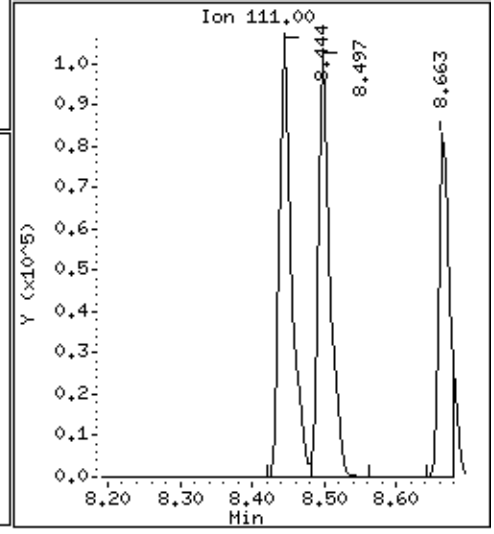












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

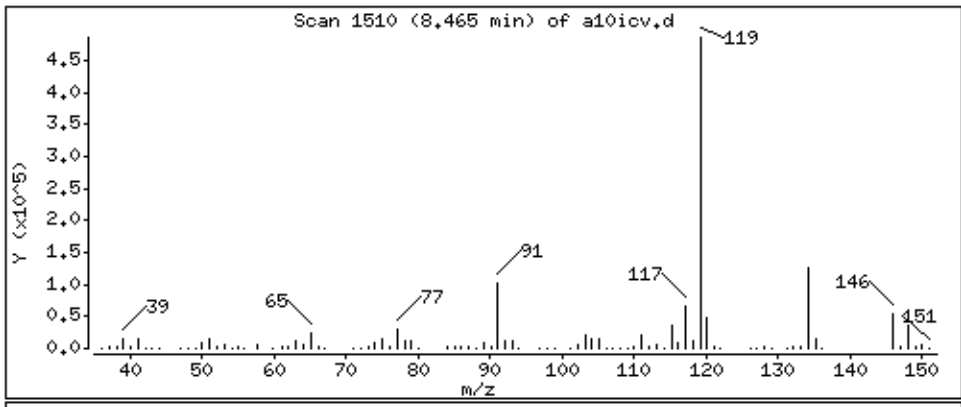
Operator: ala

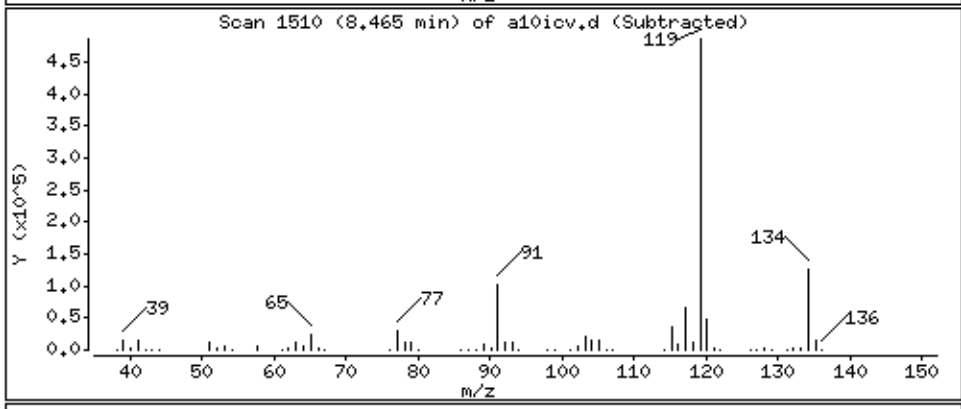
Column phase: DB-624

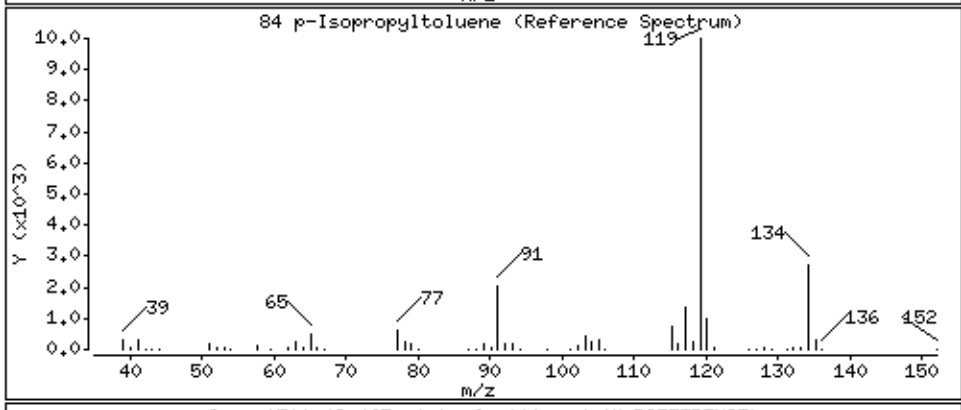
Column diameter: 0.18

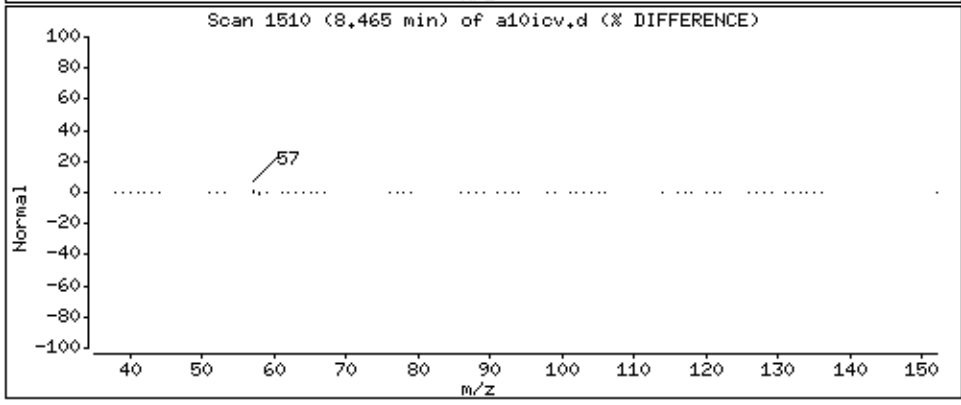
84 p-Isopropyltoluene

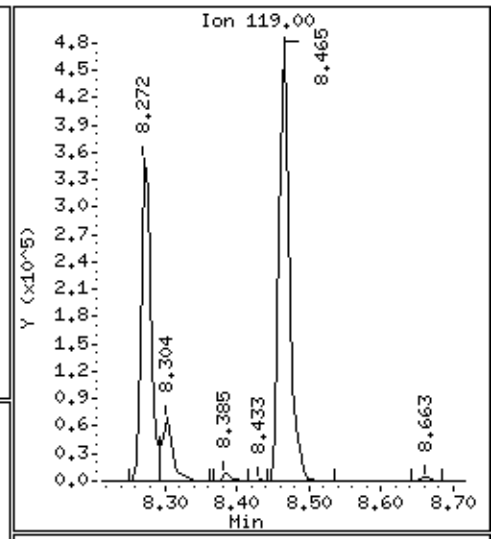
Concentration: 40.6 ppb

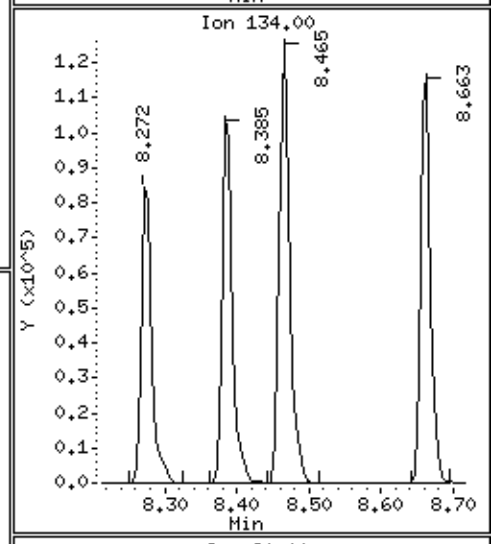


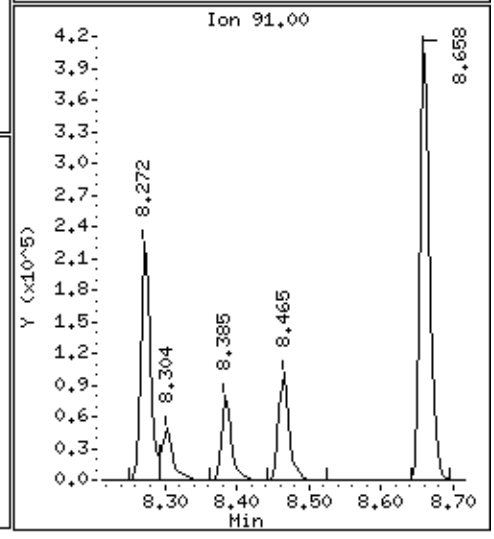












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

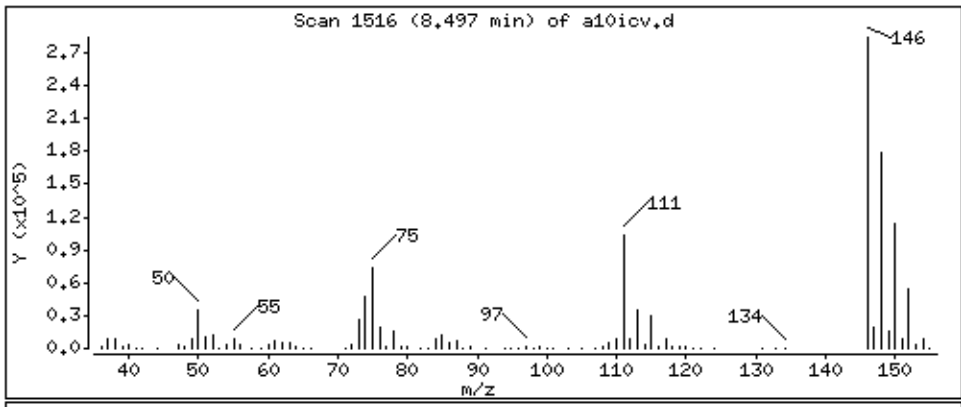
Operator: ala

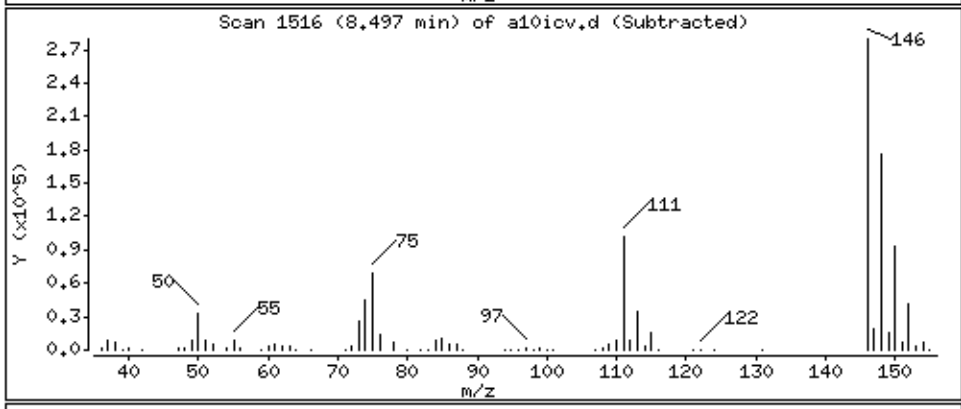
Column phase: DB-624

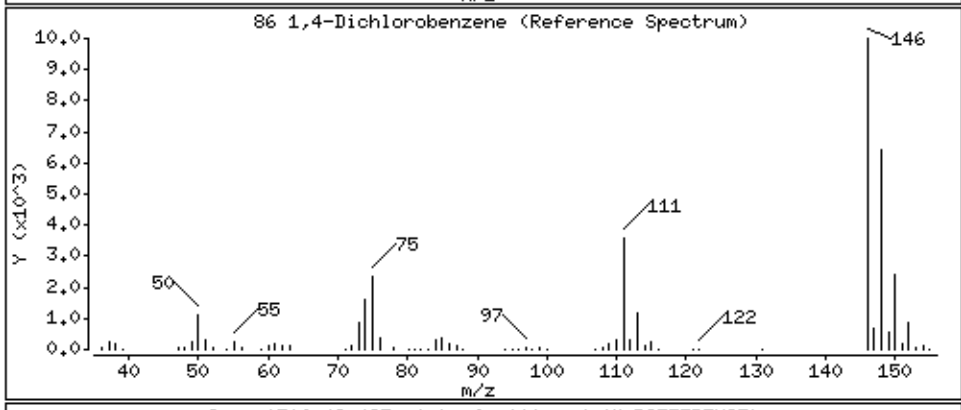
Column diameter: 0.18

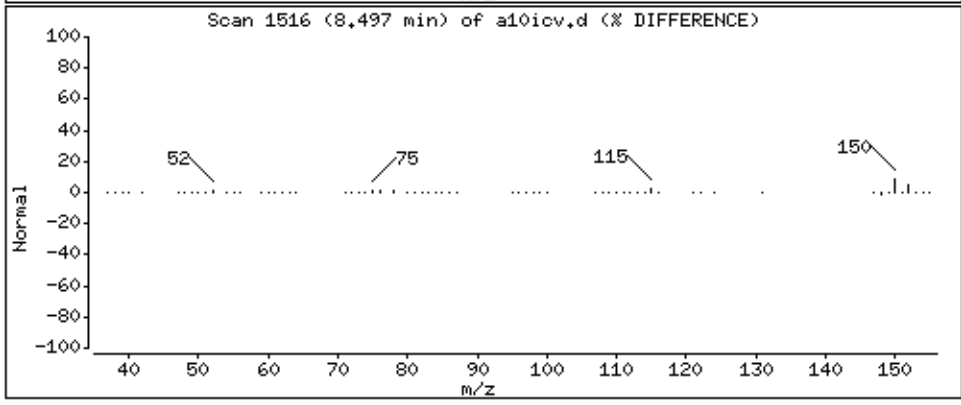
86 1,4-Dichlorobenzene

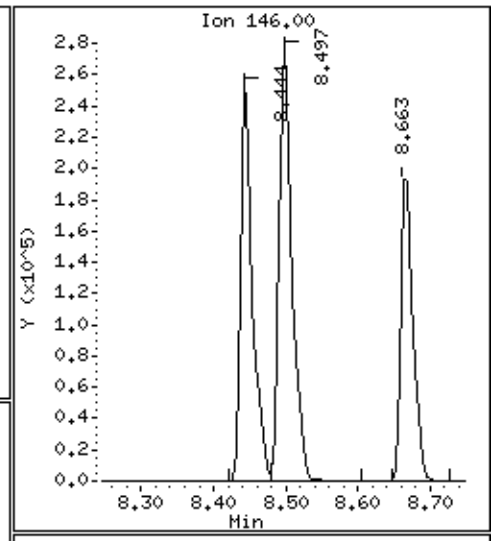
Concentration: 47.0 ppb

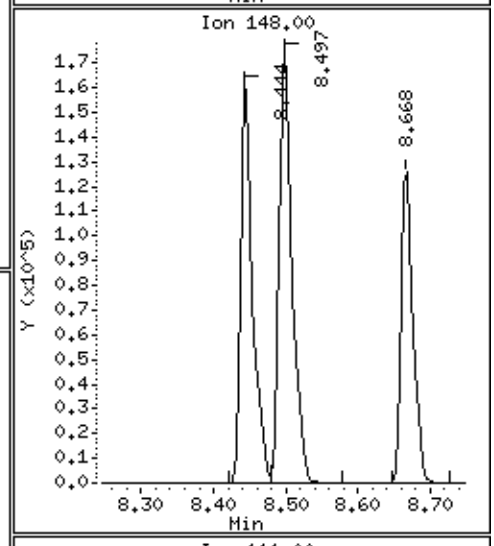


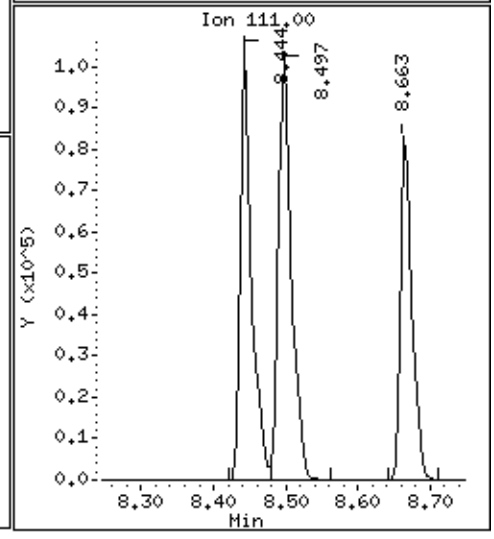












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

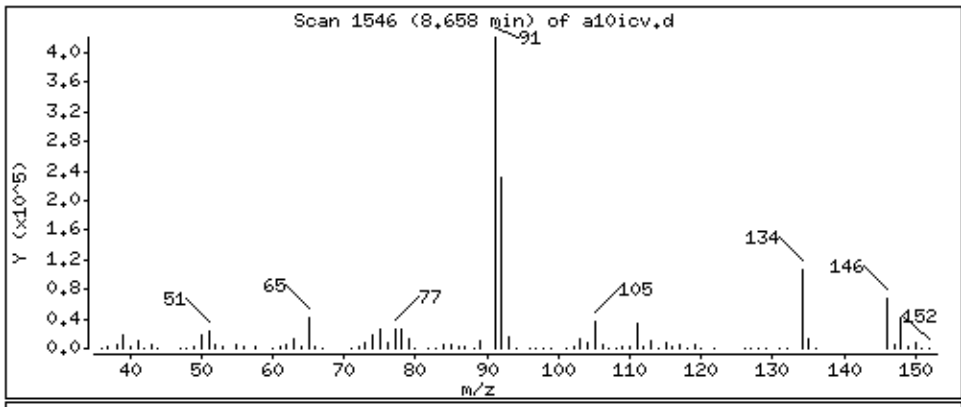
Operator: ala

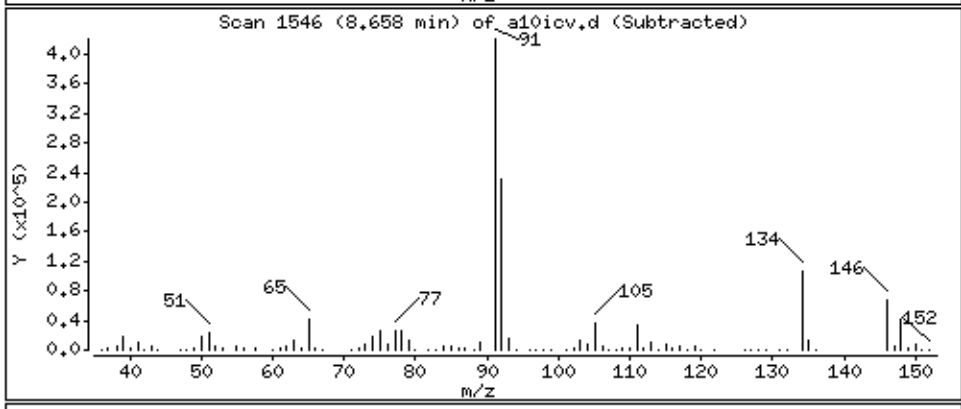
Column phase: DB-624

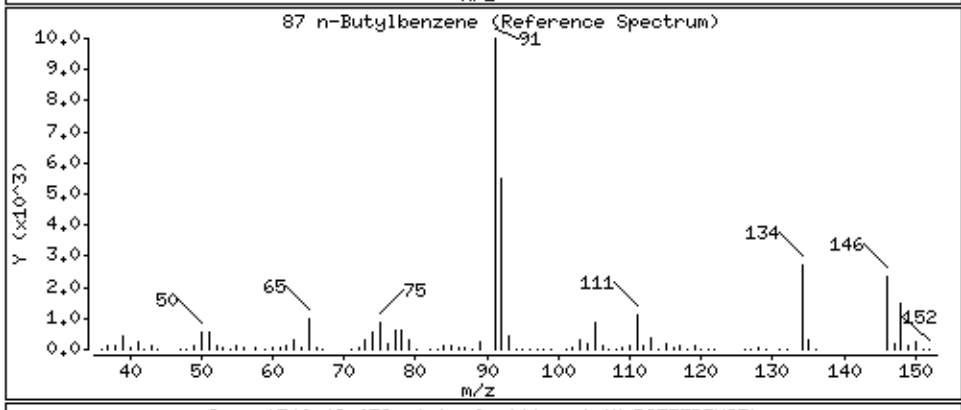
Column diameter: 0.18

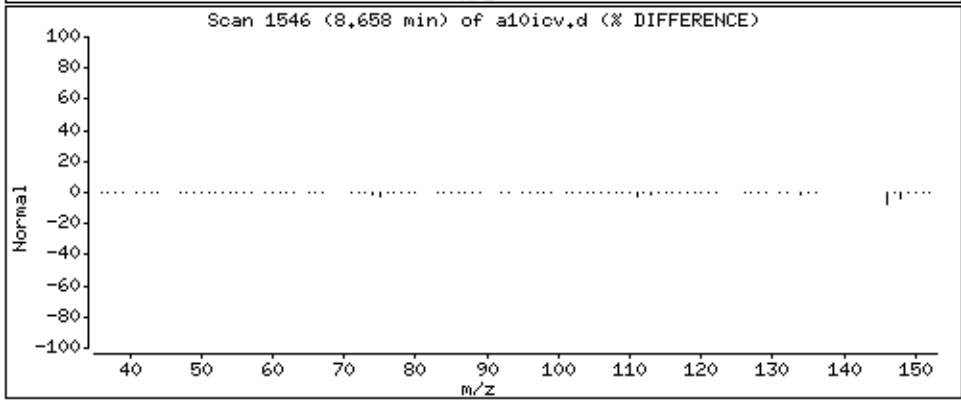
87 n-Butylbenzene

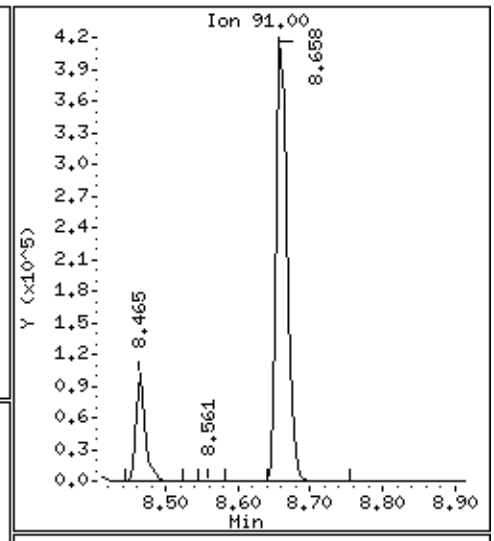
Concentration: 42.6 ppb

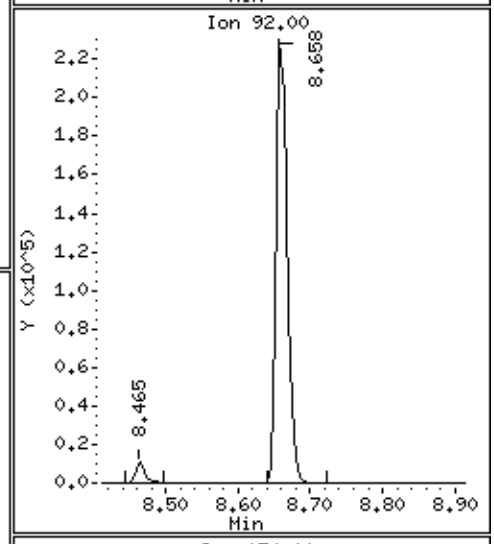


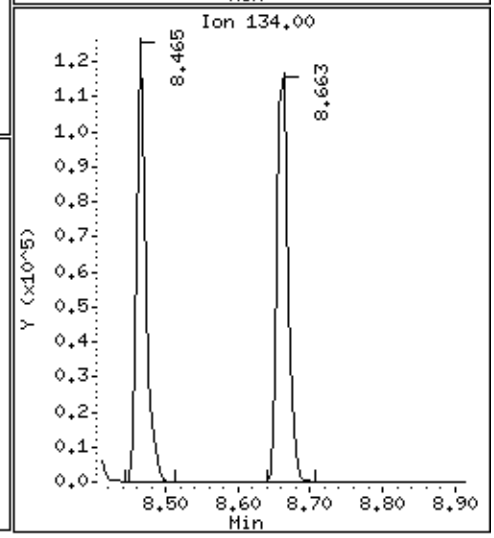












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

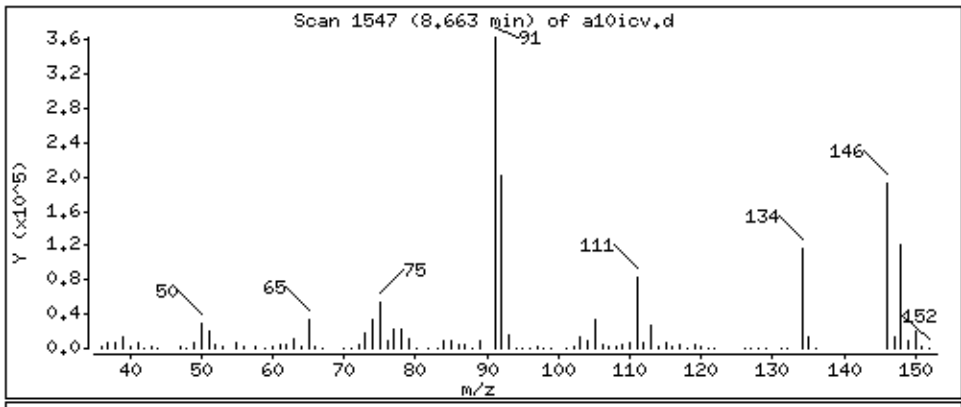
Operator: ala

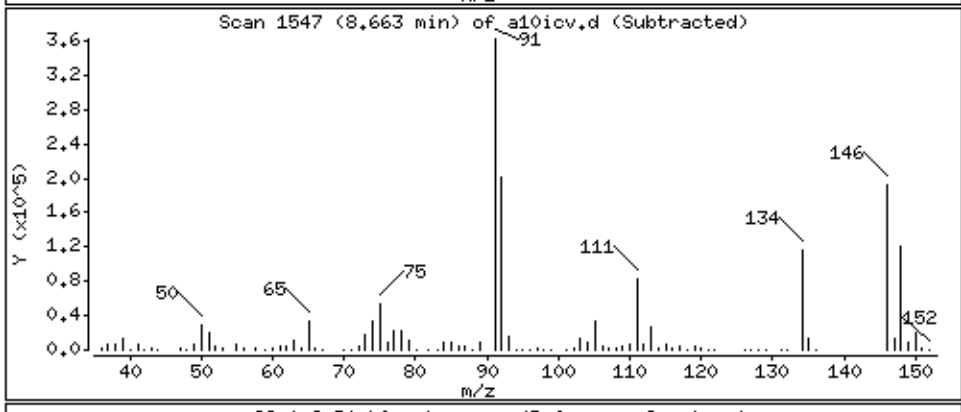
Column phase: DB-624

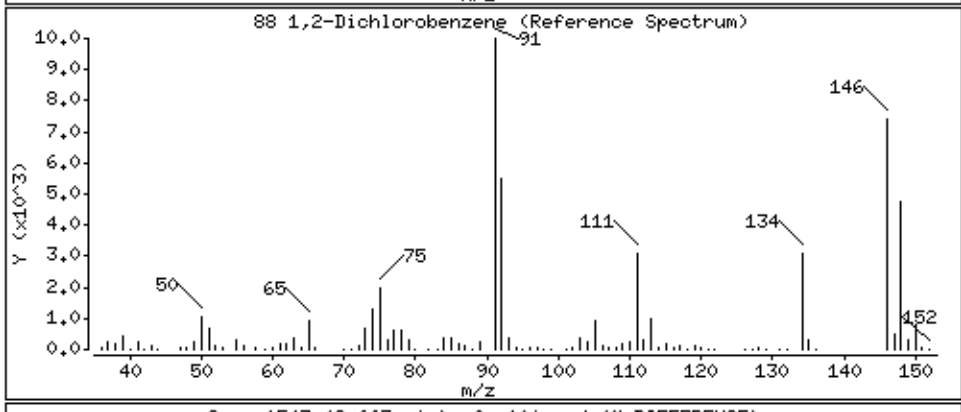
Column diameter: 0.18

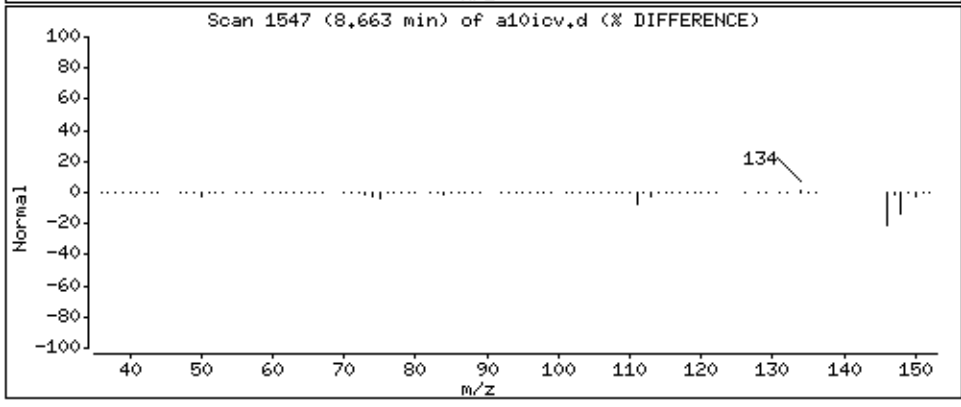
88 1,2-Dichlorobenzene

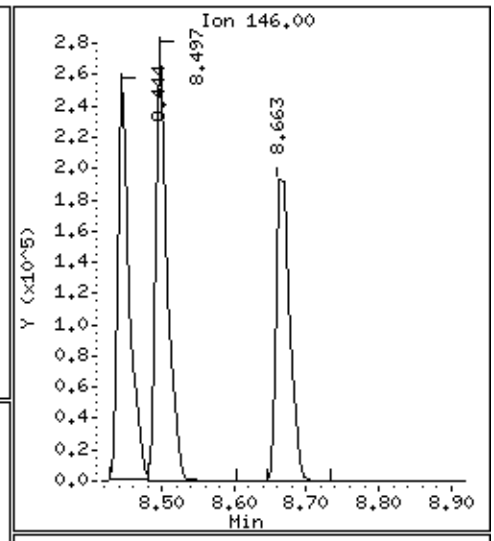
Concentration: 46.9 ppb

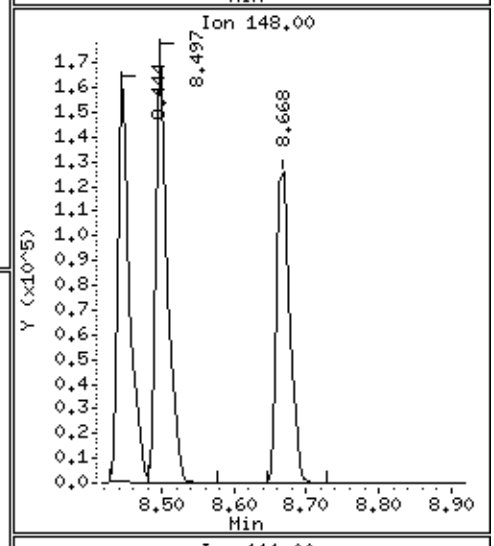


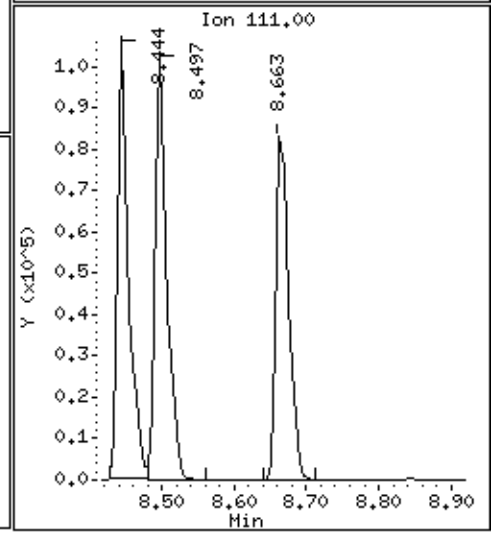












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

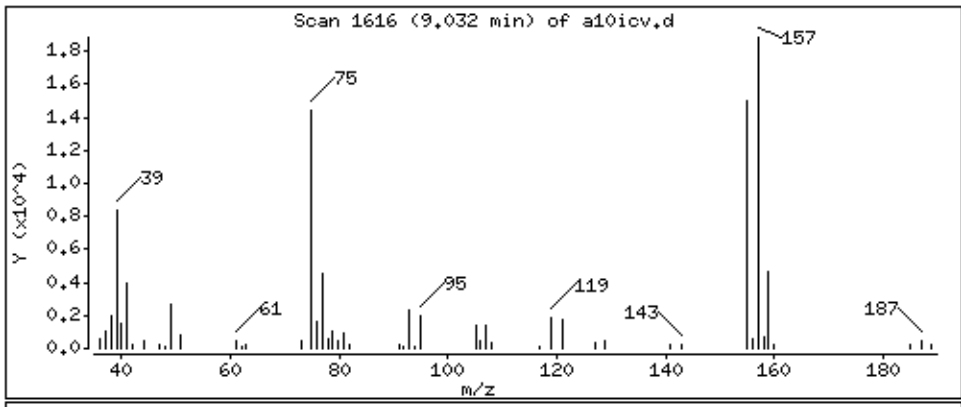
Operator: ala

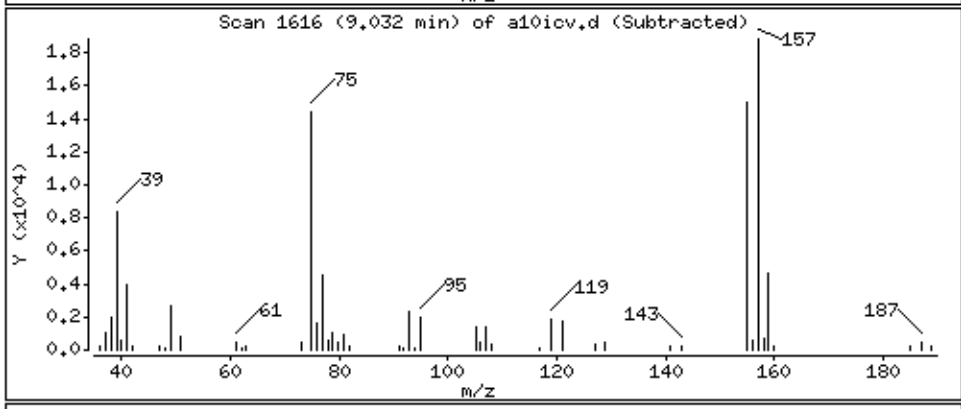
Column phase: DB-624

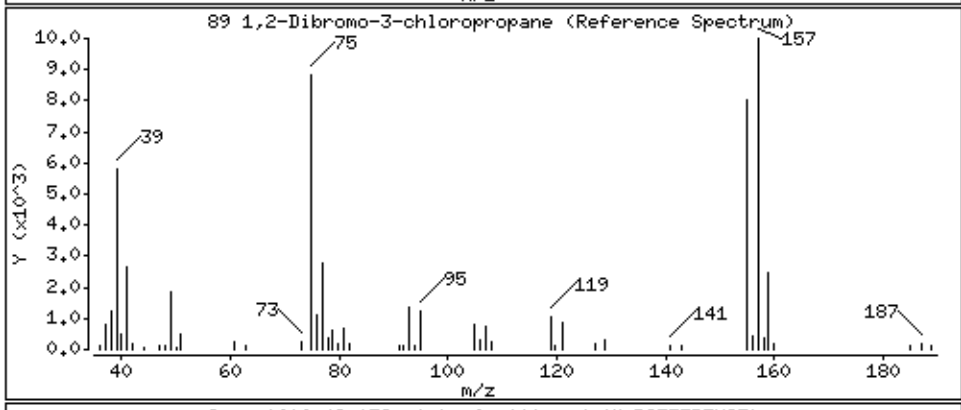
Column diameter: 0.18

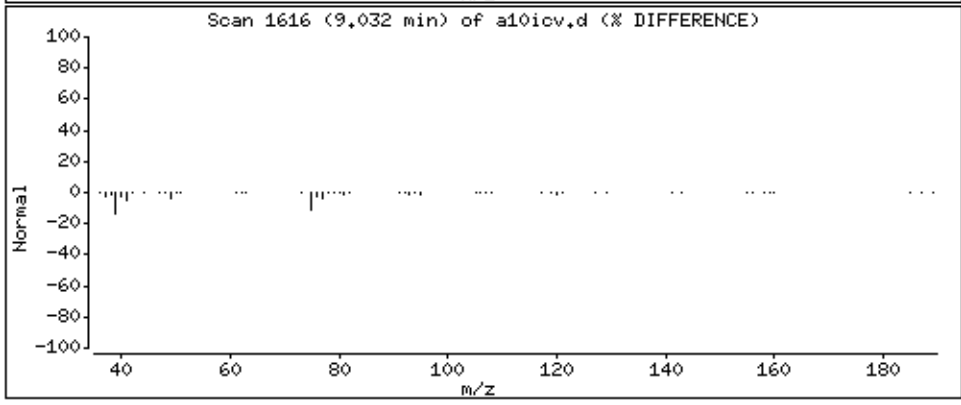
89 1,2-Dibromo-3-chloropropane

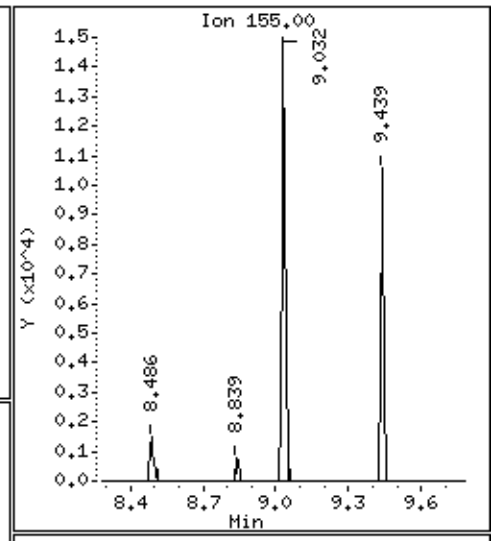
Concentration: 46.2 ppb

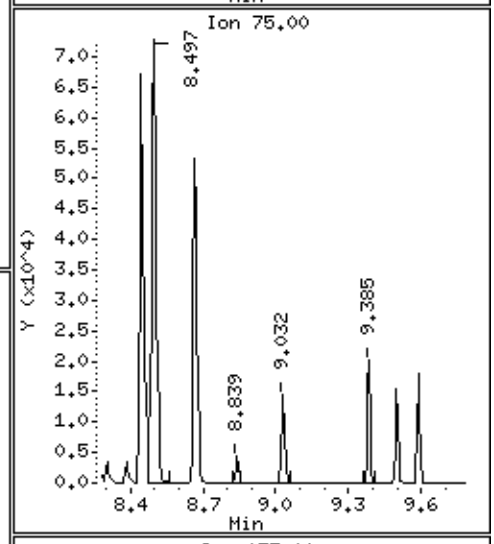


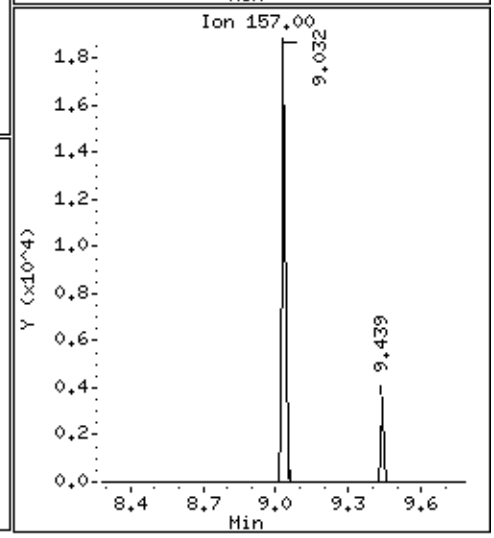












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

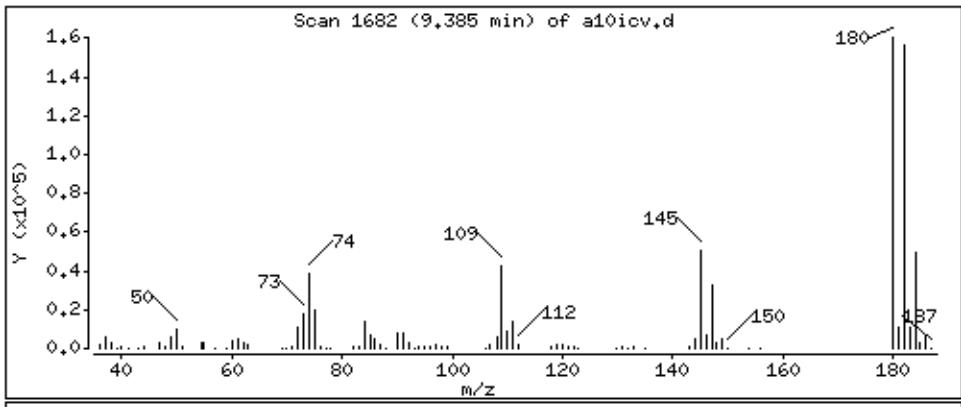
Operator: ala

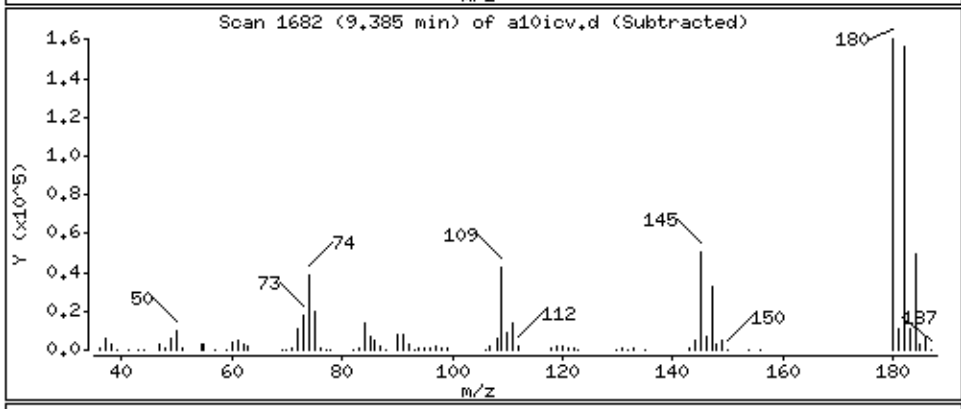
Column phase: DB-624

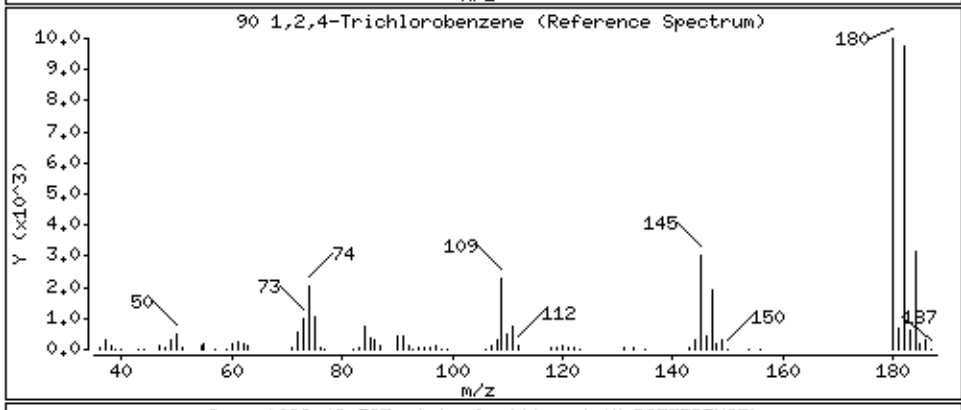
Column diameter: 0.18

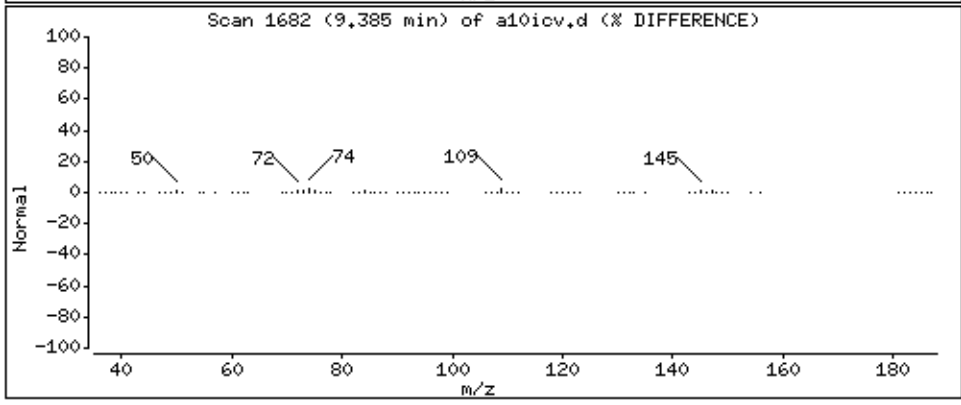
90 1,2,4-Trichlorobenzene

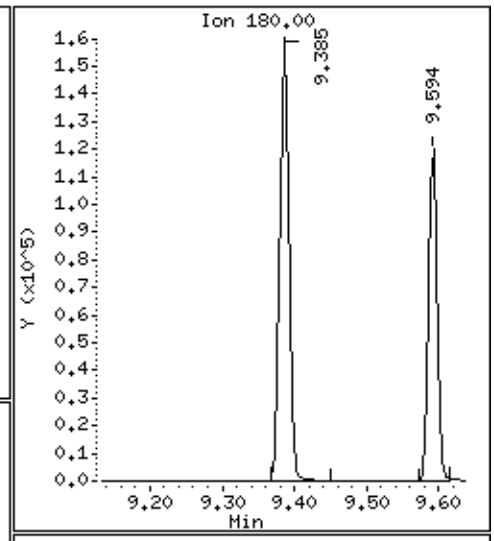
Concentration: 51.8 ppb

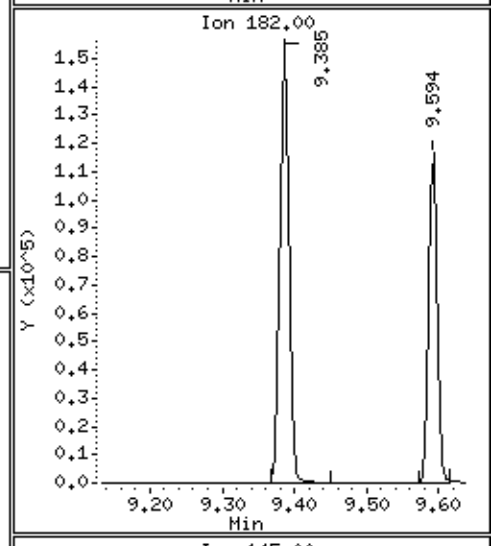


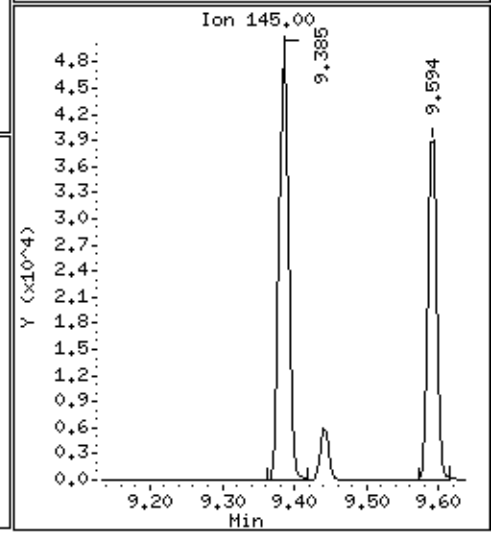












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

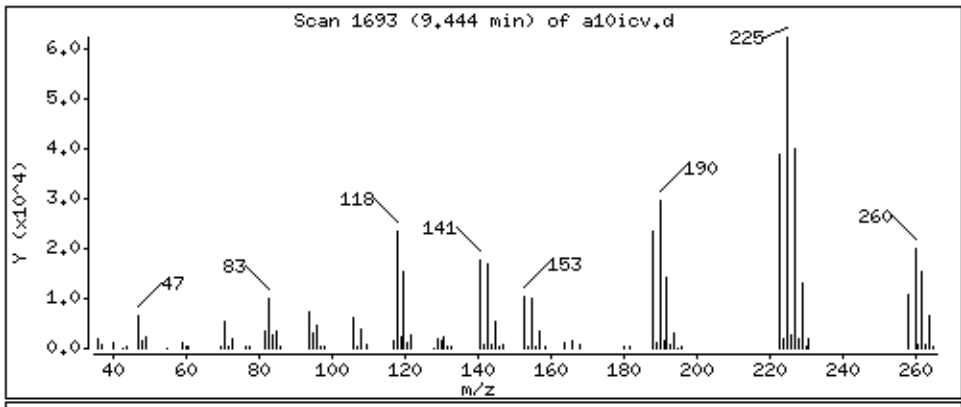
Operator: ala

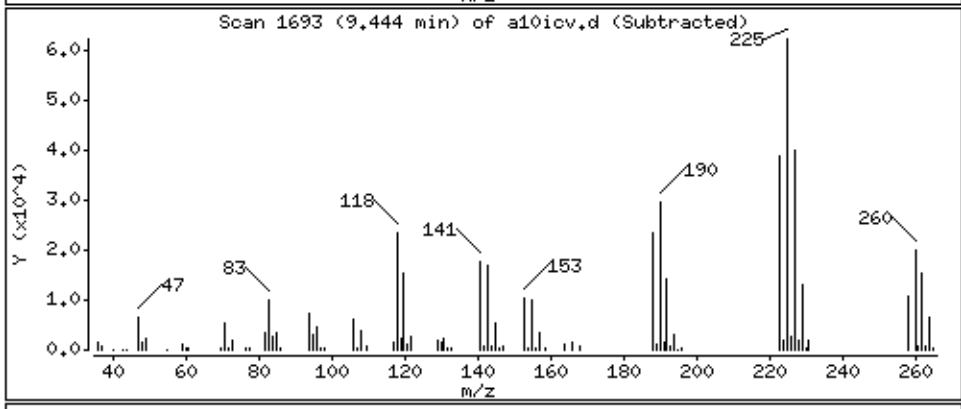
Column phase: DB-624

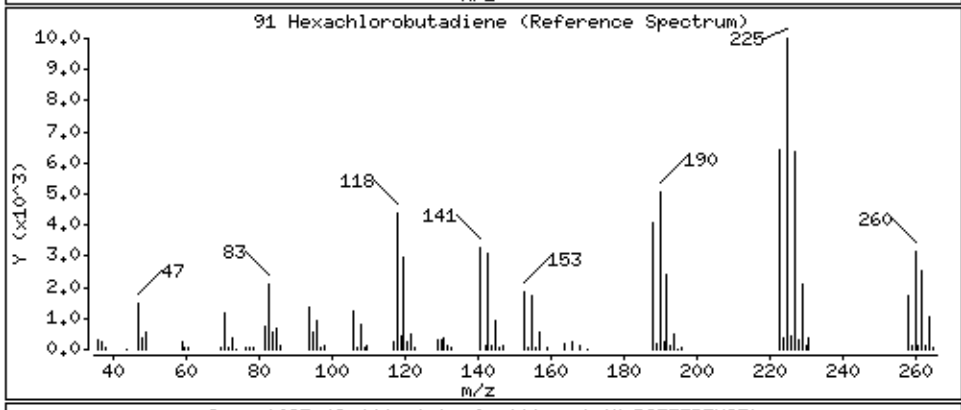
Column diameter: 0.18

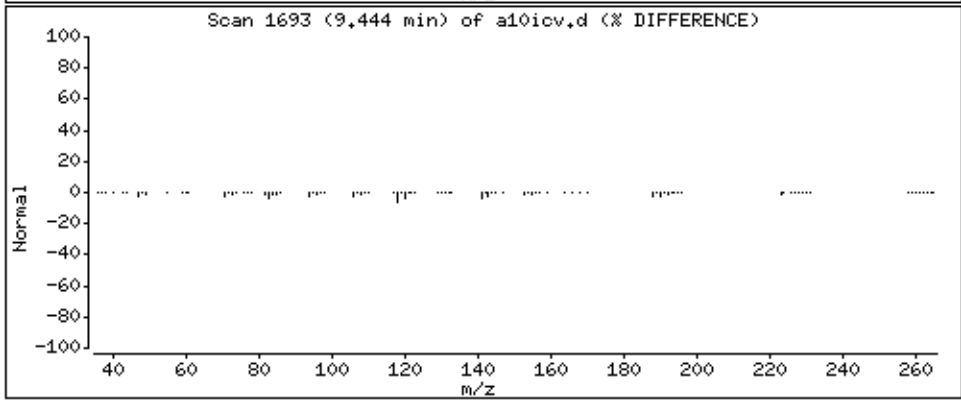
91 Hexachlorobutadiene

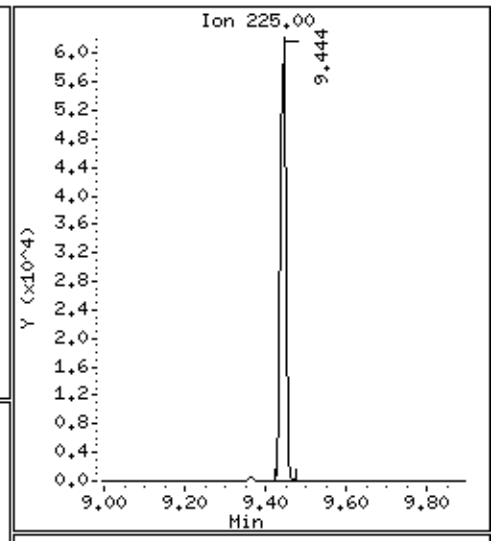
Concentration: 38.3 ppb

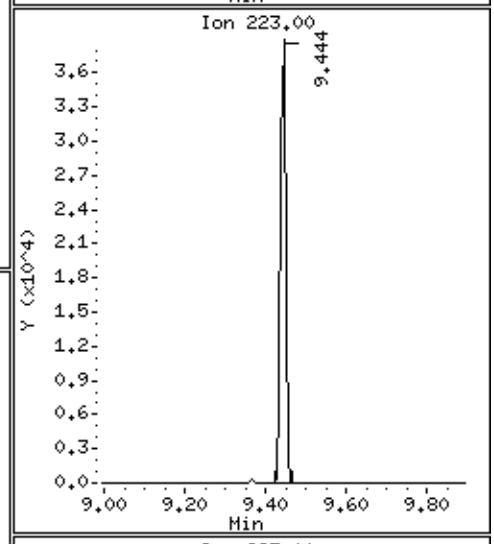


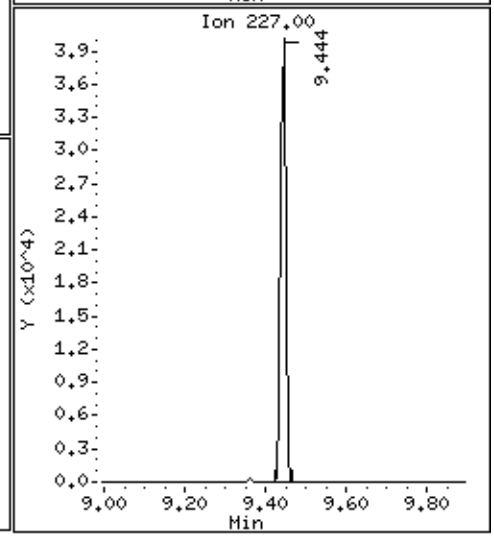












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

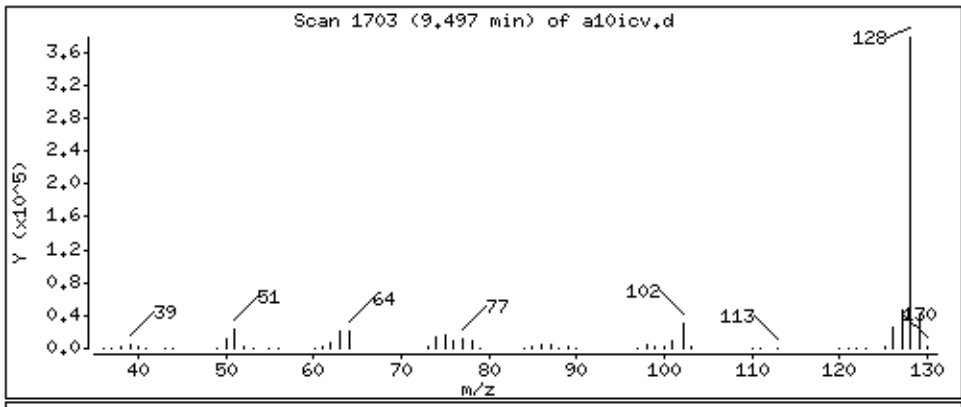
Operator: ala

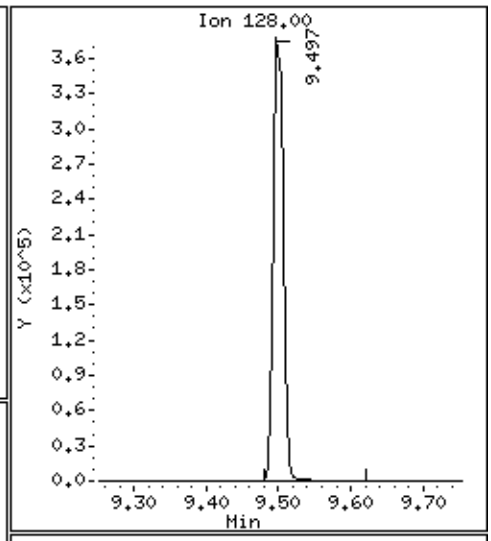
Column phase: DB-624

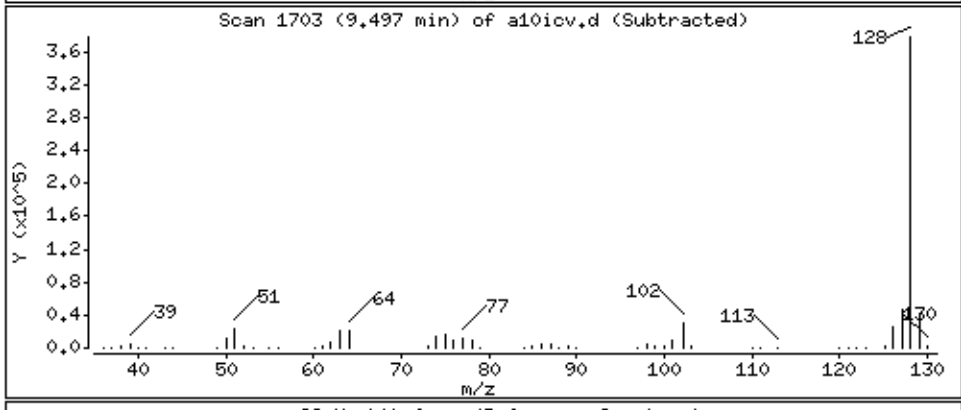
Column diameter: 0.18

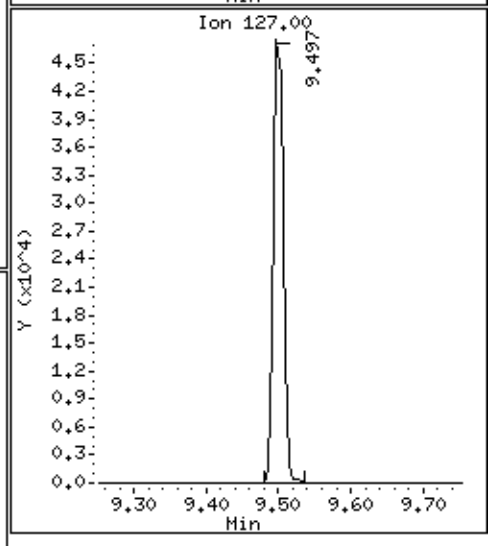
92 Naphthalene

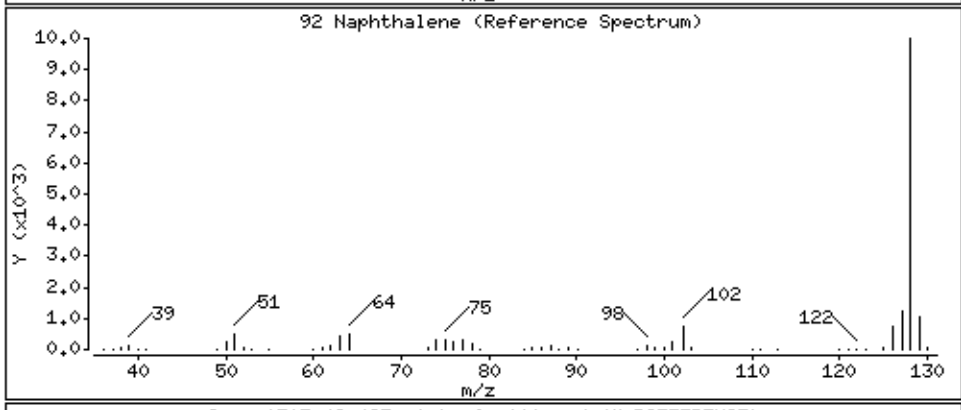
Concentration: 56.8 ppb

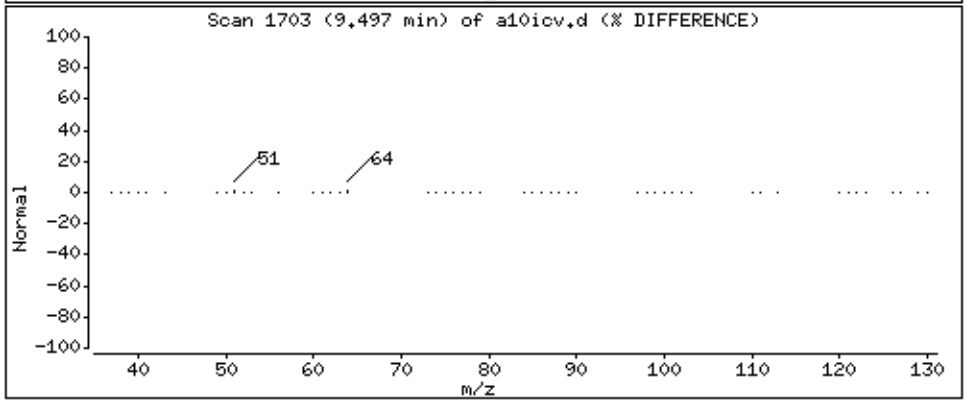












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

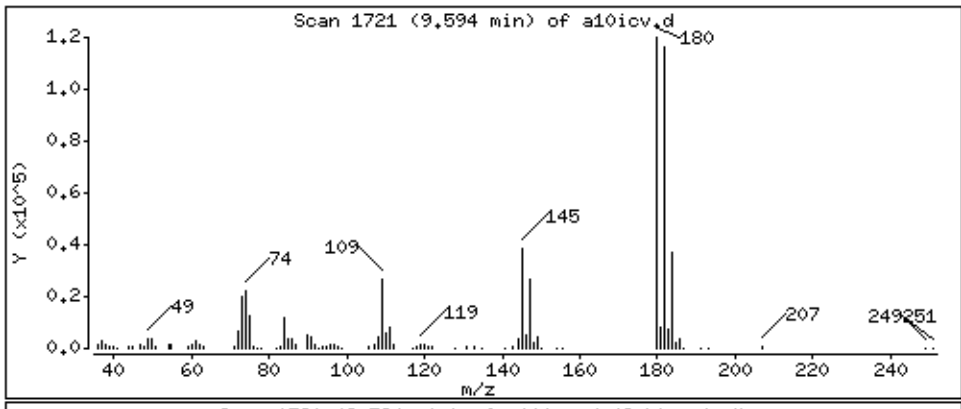
Operator: ala

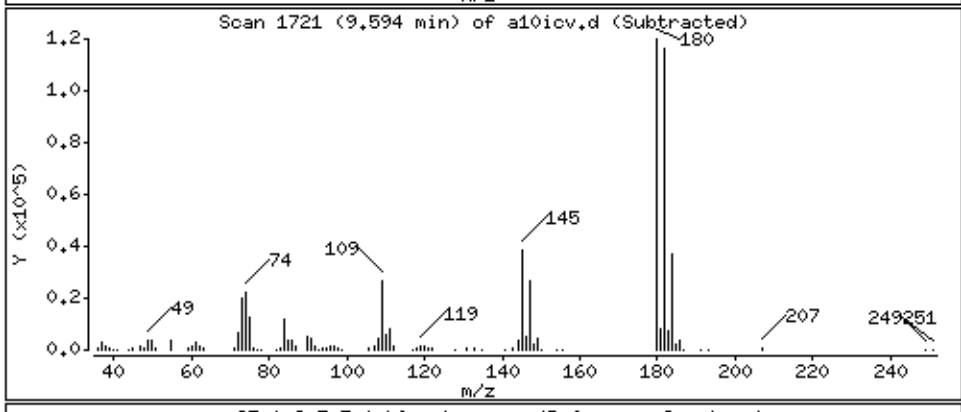
Column phase: DB-624

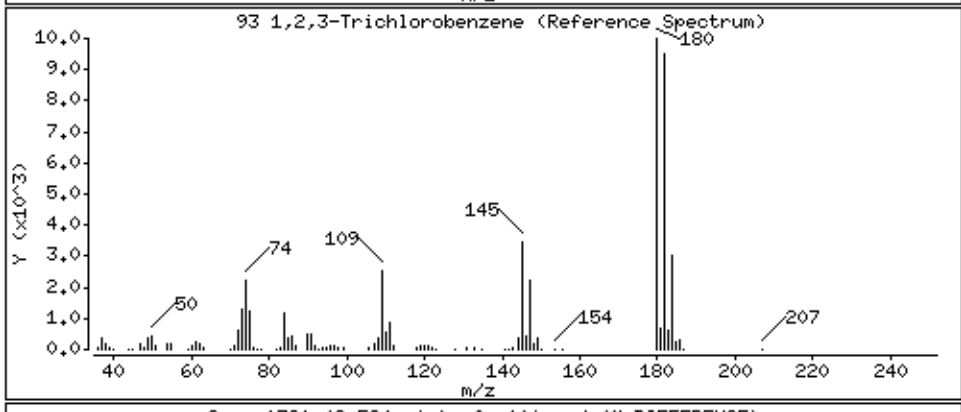
Column diameter: 0.18

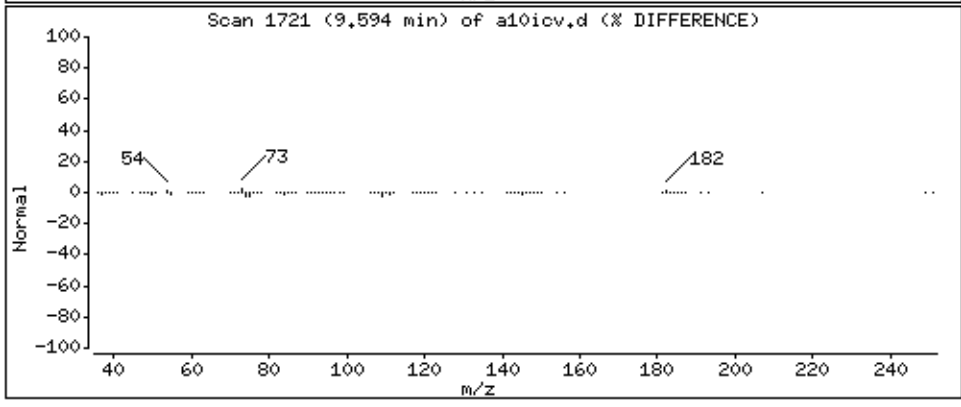
93 1,2,3-Trichlorobenzene

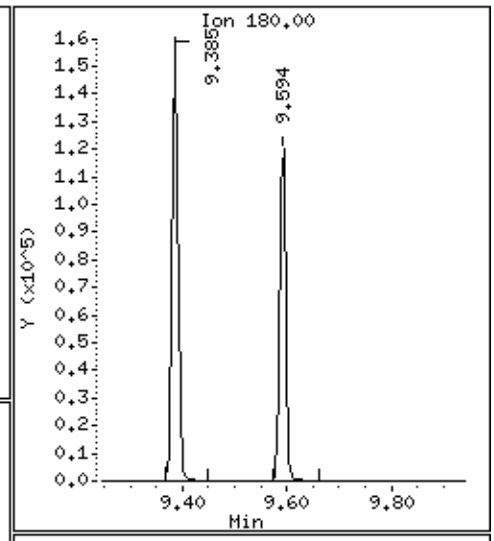
Concentration: 54.6 ppb

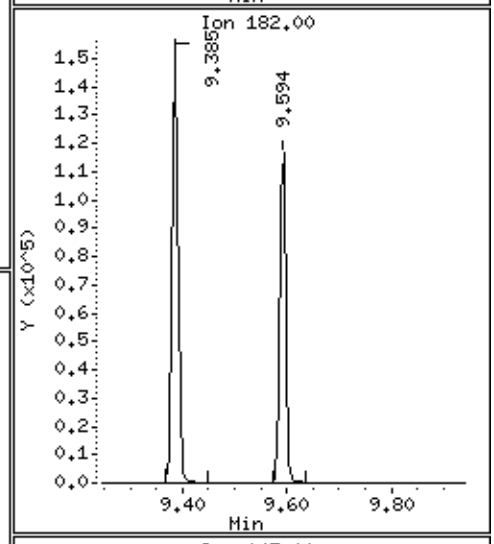


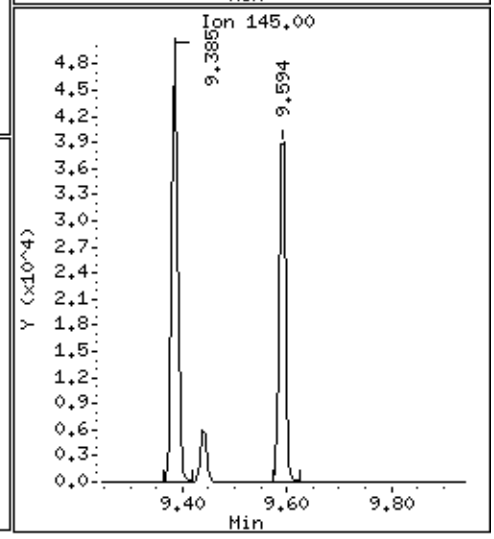












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

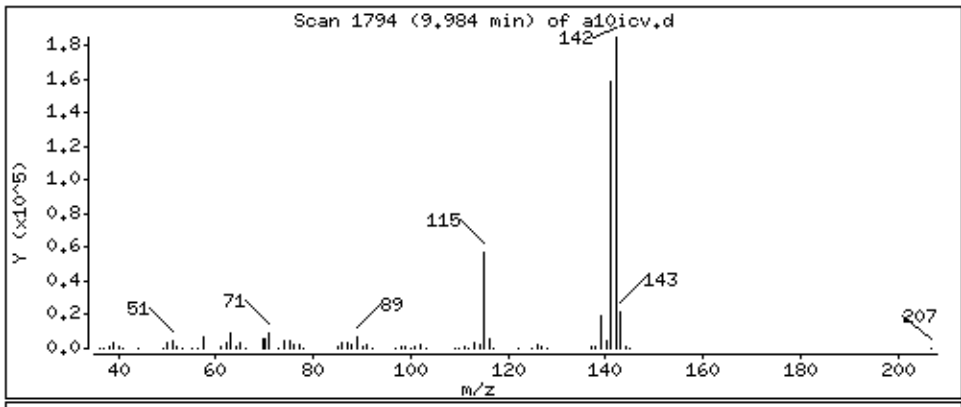
Operator: ala

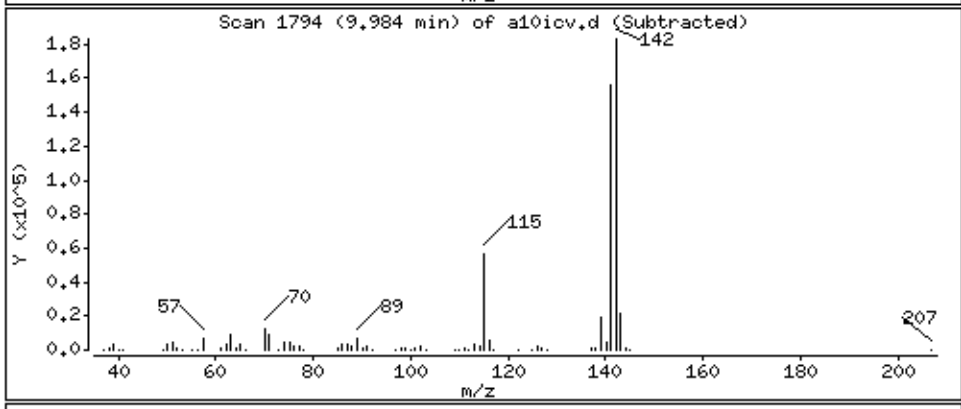
Column phase: DB-624

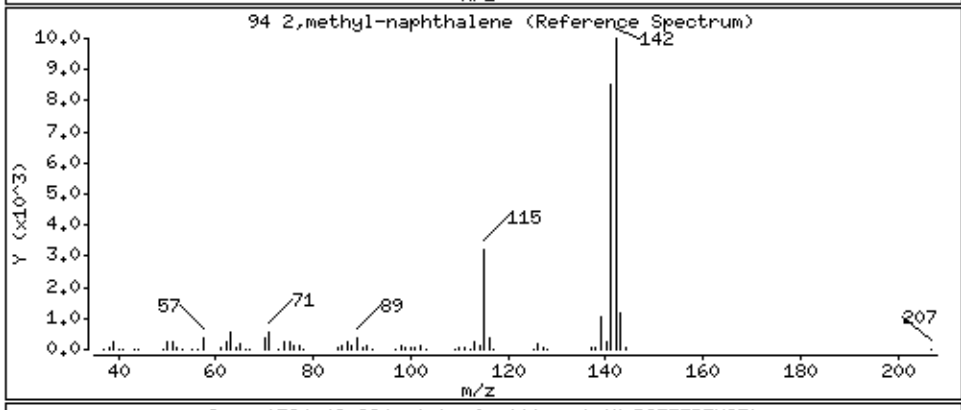
Column diameter: 0.18

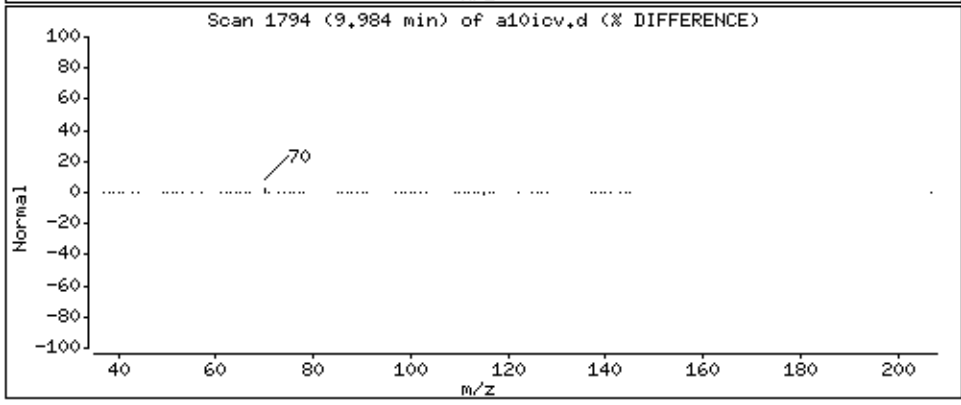
94 2,methyl-naphthalene

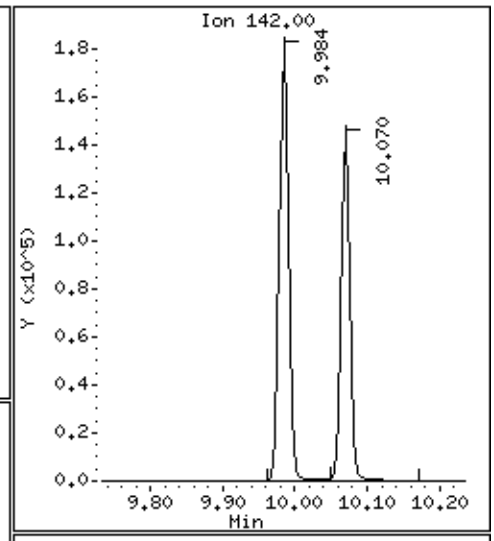
Concentration: 59.6 ppb

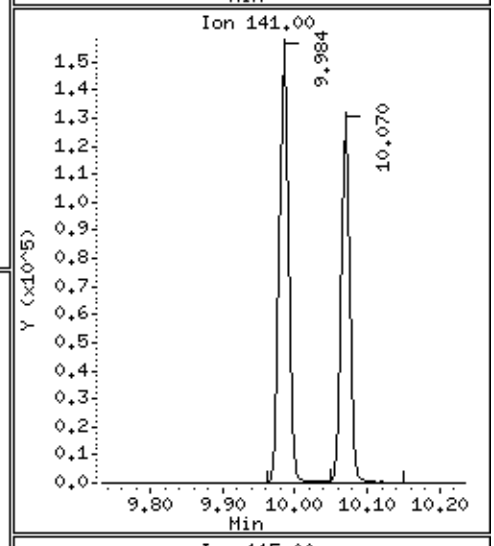


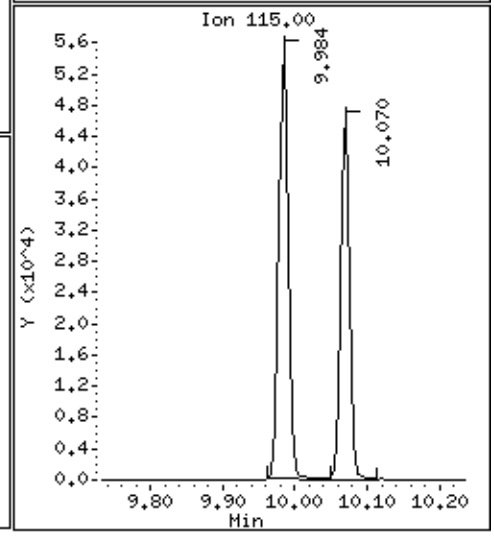












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a10icv.d

Date : 03-JUL-2014 21:29

Client ID: 8260-ICV

Instrument: 50mv6b.i

Sample Info: 8260-ICV,71932:0

Purge Volume: 5.0

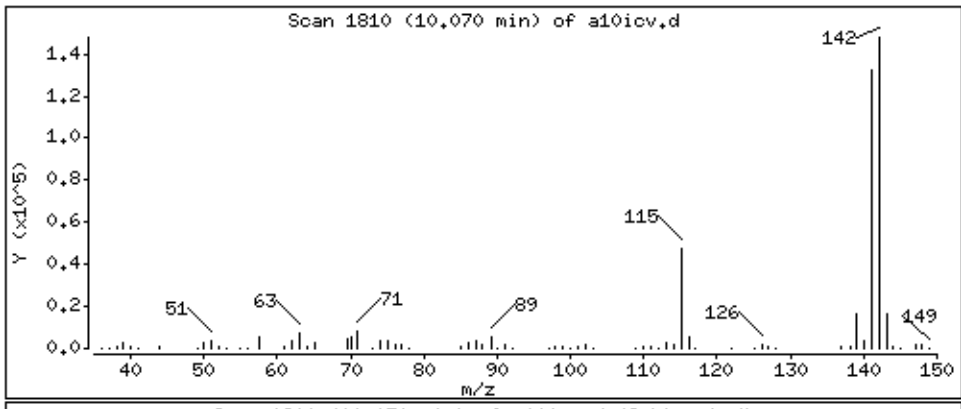
Operator: ala

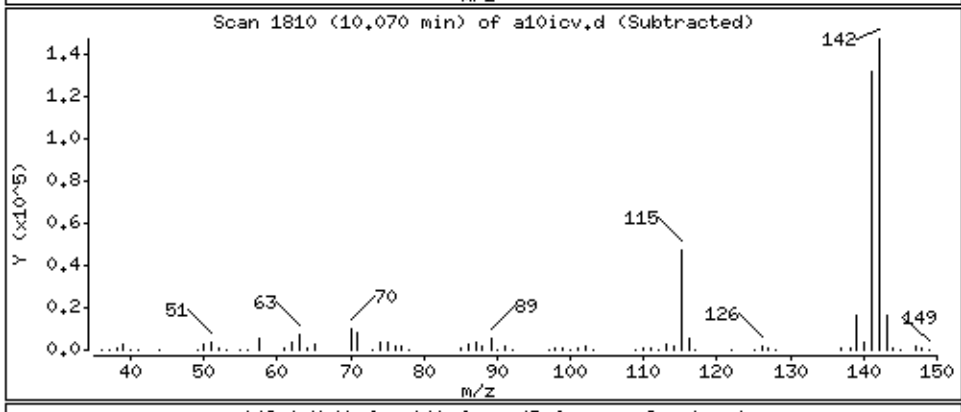
Column phase: DB-624

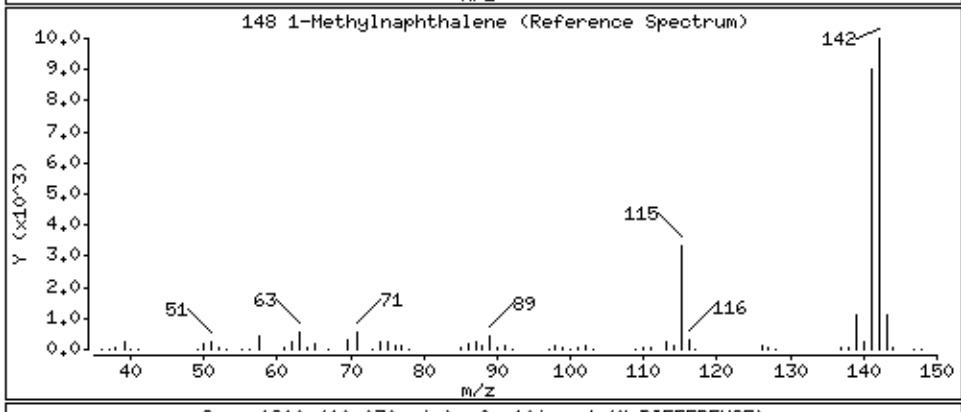
Column diameter: 0.18

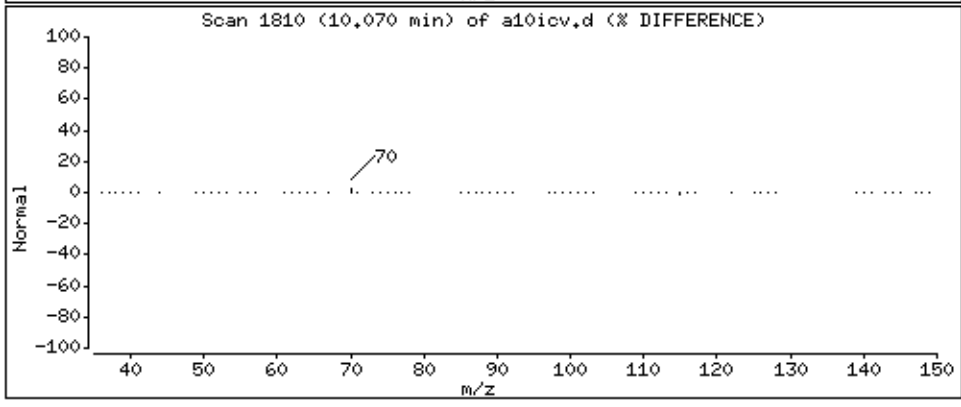
148 1-Methylnaphthalene

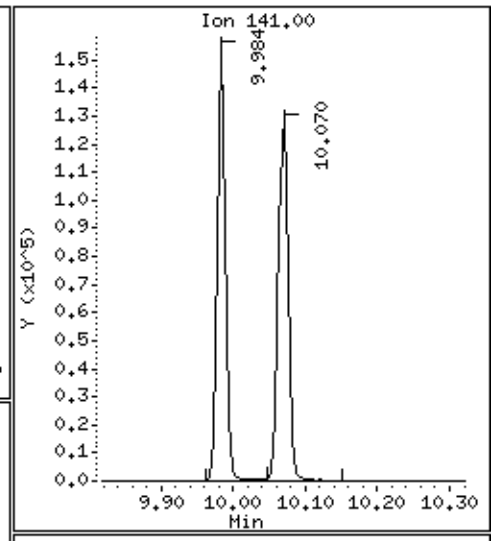
Concentration: 72.9 ppb

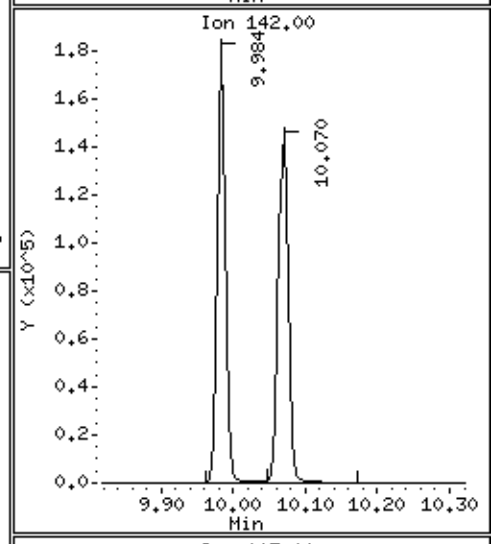


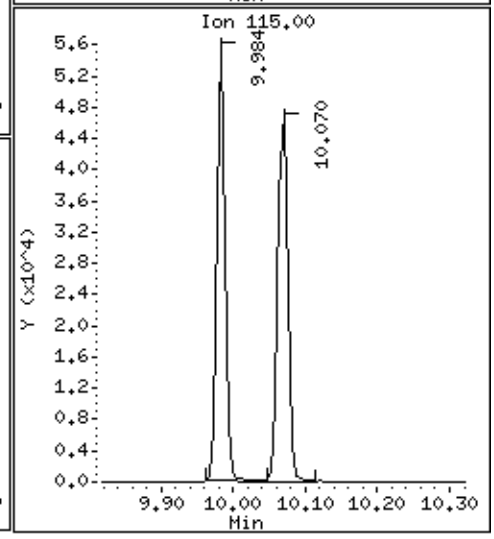












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a10icv.d
Injection Date: 03-JUL-2014 21:29
Instrument: 50mv6b.i
Lab Sample ID: 8260-ICV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c01ccv.d
Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
Inj Date : 04-JUL-2014 03:51
Operator : ala Inst ID: 50mv6b.i
Smp Info : 8260-ccv,71705:0
Misc Info : 66491
Comment   :
Method   : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 24 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 CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)
1 Dichlorodifluoromethane	85	0.927	0.927	(0.228)	242582	50.0000	51.8
2 Chloromethane	50	1.001	1.001	(0.246)	115877	50.0000	40.5
3 Vinyl Chloride	62	1.050	1.050	(0.258)	184973	50.0000	51.7
4 Bromomethane	94	1.189	1.189	(0.292)	93589	50.0000	26.7
5 Chloroethane	64	1.231	1.231	(0.303)	65362	50.0000	40.4
6 Trichlorofluoromethane	101	1.338	1.338	(0.329)	281746	50.0000	50.7
8 Diethyl ether	74	1.461	1.461	(0.359)	69256	50.0000	47.9
7 1,2-dichlorotrifluoroethane	67	1.478	1.478	(0.363)	173350	50.0000	46.0
9 Acrolein	56	1.531	1.531	(0.377)	269228	1000.00	989
10 1,1,2trichlorotrifluoroethane	101	1.579	1.579	(0.388)	165964	50.0000	50.0
11 1,1-Dichloroethene	96	1.585	1.585	(0.390)	143605	50.0000	47.3
12 Acetone	43	1.601	1.601	(0.394)	121731	250.000	263
13 Iodomethane	142	1.670	1.670	(0.411)	296946	100.000	82.8
14 Carbon Disulfide	76	1.713	1.713	(0.421)	758968	100.000	97.2
16 Methyl Acetate	43	1.756	1.756	(0.432)	59097	50.0000	42.6
143 Acetonitrile	39	1.772	1.772	(0.436)	181617	50.0000	45.7
15 allyl chloride	41	1.772	1.772	(0.436)	256749	100.000	97.4
17 Methylene Chloride	84	1.841	1.841	(0.453)	156343	50.0000	52.1
18 tert-Butyl Alcohol	59	1.889	1.889	(0.465)	18868	100.000	83.3(Q)
19 Acrylonitrile	53	1.980	1.980	(0.487)	1117675	1000.00	860
20 Methyl-tert-butyl ether	73	1.996	1.996	(0.491)	702237	100.000	98.7
21 1,2-Dichloroethene (trans)	96	2.007	2.007	(0.494)	203694	50.0000	47.7
22 n-Hexane	57	2.173	2.173	(0.534)	258812	50.0000	50.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
	24 Vinyl Acetate	43	2.291	2.291	(0.563)	946326	200.000	211
	23 1,1-Dichloroethane	63	2.301	2.301	(0.566)	314808	50.0000	47.6
	147 chloroprene	53	2.350	2.350	(0.578)	229557	50.0000	49.0
	28 2-Butanone	43	2.745	2.745	(0.675)	286593	250.000	230
	26 1,2-Dichloroethene (cis)	96	2.756	2.756	(0.678)	216911	50.0000	47.5
	27 2,2-Dichloropropane	77	2.761	2.761	(0.679)	123985	50.0000	42.2
	149 Propionitrile	54	2.810	2.810	(0.691)	23656	50.0000	48.9
	144 Methacrylonitrile	41	2.943	2.943	(0.724)	90178	50.0000	62.9
	30 Bromochloromethane	49	2.981	2.981	(0.733)	127451	50.0000	46.6
	31 Tetrahydrofuran	42	3.002	3.002	(0.738)	37671	50.0000	54.5
	32 Chloroform	83	3.082	3.082	(0.758)	313809	50.0000	46.6
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	142397	50.0000	47.8
	34 1,1,1-Trichloroethane	97	3.248	3.248	(0.799)	232873	50.0000	48.9
	35 Cyclohexane	56	3.323	3.323	(0.817)	276286	50.0000	51.5
	36 Carbon Tetrachloride	117	3.419	3.419	(0.841)	196623	50.0000	49.1
	37 1,1-Dichloropropene	75	3.430	3.430	(0.843)	247555	50.0000	52.7
	39 Benzene	78	3.660	3.660	(0.900)	660979	50.0000	49.5
	40 1,2-Dichloroethane	62	3.756	3.756	(0.924)	198540	50.0000	46.0
	38 Isobutyl alcohol	43	3.826	3.826	(0.941)	89973	50.0000	48.0
	141 2,2,4-Trimethylpentane	57	3.826	3.826	(0.941)	580635	50.0000	51.8
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	575614	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	185371	50.0000	50.5
	43 Methylcyclohexane	55	4.768	4.768	(1.172)	207255	50.0000	53.4
	44 1,2-Dichloropropane	63	4.816	4.816	(1.184)	156328	50.0000	48.7
	45 Dibromomethane	93	4.912	4.912	(1.208)	108889	50.0000	49.1
	142 1,4-Dioxane	88	4.923	4.923	(1.210)	41618	1000.00	939
	46 Methyl methacrylate	69	4.928	4.928	(1.212)	75213	50.0000	50.0
	47 Bromodichloromethane	83	5.131	5.131	(1.262)	204107	50.0000	48.9
	48 2-Chloroethyl vinyl ether	63	5.468	5.468	(0.767)	111781	100.000	90.6
	49 cis-1,3-Dichloropropene	75	5.602	5.602	(0.785)	212214	50.0000	42.8
	50 4-Methyl-2-Pentanone	43	5.773	5.773	(0.809)	455853	250.000	258
$	51 Toluene-d8	98	5.859	5.859	(0.821)	459540	50.0000	51.7
	52 Toluene	91	5.928	5.928	(0.831)	670558	50.0000	49.2
	53 trans-1,3-Dichloropropene	75	6.207	6.207	(0.870)	148671	50.0000	39.9
	54 Ethyl Methacrylate	69	6.292	6.292	(0.882)	134531	50.0000	44.8
	55 1,1,2-Trichloroethane	83	6.394	6.394	(0.896)	121483	50.0000	55.4
	56 Tetrachloroethene	166	6.431	6.431	(0.902)	194902	50.0000	51.5
	57 1,3-Dichloropropane	76	6.533	6.533	(0.916)	229859	50.0000	55.4
	58 2-Hexanone	43	6.603	6.603	(0.926)	323260	250.000	244
	59 Dibromochloromethane	129	6.710	6.710	(0.941)	155337	50.0000	47.8
	60 1,2-Dibromoethane	107	6.790	6.790	(0.952)	145610	50.0000	51.9
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	377297	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	447464	50.0000	48.2
	63 1,1,1,2-Tetrachloroethane	131	7.228	7.228	(1.014)	128036	50.0000	52.9
	64 Ethylbenzene	106	7.228	7.228	(1.014)	227626	50.0000	47.6
	65 m&p-Xylene	106	7.325	7.325	(1.027)	572459	100.000	94.2
	67 o-Xylene	106	7.560	7.560	(1.060)	240346	50.0000	48.6
	68 Styrene	104	7.576	7.576	(1.062)	440297	50.0000	47.9
	69 Bromoform	173	7.683	7.683	(0.905)	73981	50.0000	45.6
	70 Isopropylbenzene	105	7.779	7.779	(1.091)	580211	50.0000	47.6
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	142225	50.0000	47.1
	74 Bromobenzene	77	7.951	7.951	(1.115)	208749	50.0000	51.2
	73 1,1,2,2-Tetrachloroethane	83	7.972	7.972	(0.939)	131674	50.0000	47.4
	71 trans-1,4-Dichloro-2-butene	53	7.988	7.988	(1.120)	29131	50.0000	44.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)
75	1,2,3-Trichloropropane	110	7.993	7.993	(0.942)	39103	50.0000	49.6
76	n-Propylbenzene	91	8.015	8.015	(0.945)	655251	50.0000	46.0
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	383671	50.0000	43.5
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	389012	50.0000	40.7
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	158863	50.0000	46.9
80	tert-Butylbenzene	119	8.277	8.277	(0.975)	403950	50.0000	43.1
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	391500	50.0000	40.4
82	sec-Butylbenzene	105	8.389	8.389	(0.989)	484394	50.0000	40.5
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	267069	50.0000	43.3
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	400808	50.0000	38.8
* 85	1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	165999	50.0000	
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	284883	50.0000	43.6
87	n-Butylbenzene	91	8.662	8.662	(1.021)	350505	50.0000	38.9
88	1,2-Dichlorobenzene	146	8.668	8.668	(1.021)	215818	50.0000	45.3
89	1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	11900	50.0000	41.5
90	1,2,4-Trichlorobenzene	180	9.384	9.384	(1.106)	101472	50.0000	41.9
91	Hexachlorobutadiene	225	9.443	9.443	(1.113)	39527	50.0000	31.3
92	Naphthalene	128	9.502	9.502	(1.120)	262786	50.0000	46.8
93	1,2,3-Trichlorobenzene	180	9.593	9.593	(1.130)	82750	50.0000	43.4
94	2,methyl-naphthalene	142	9.984	9.984	(1.177)	97130	50.0000	38.8
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	71649	50.0000	43.5

QC Flag Legend

Q - Qualifier signal failed the ratio test.

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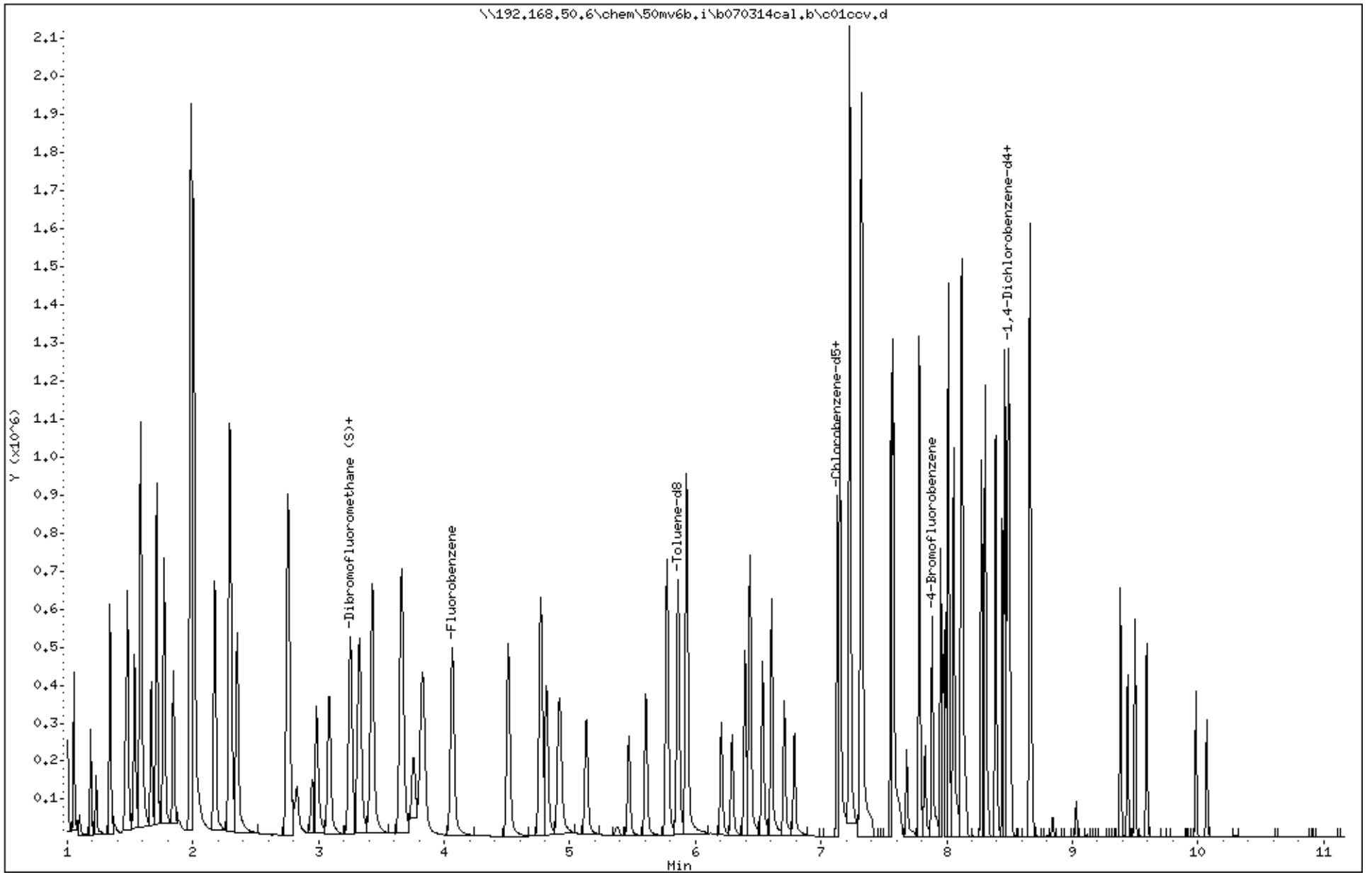
Date : 04-JUL-2014 03:51
Client ID: 8260-CCV
Instrument: 50mv6b.i
Sample Info: 8260-CCV,71705:0
Purge Volume: 5.0
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Injection Date: 04-JUL-2014 03:51
Instrument: 50mv6b.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\a00bfb.d

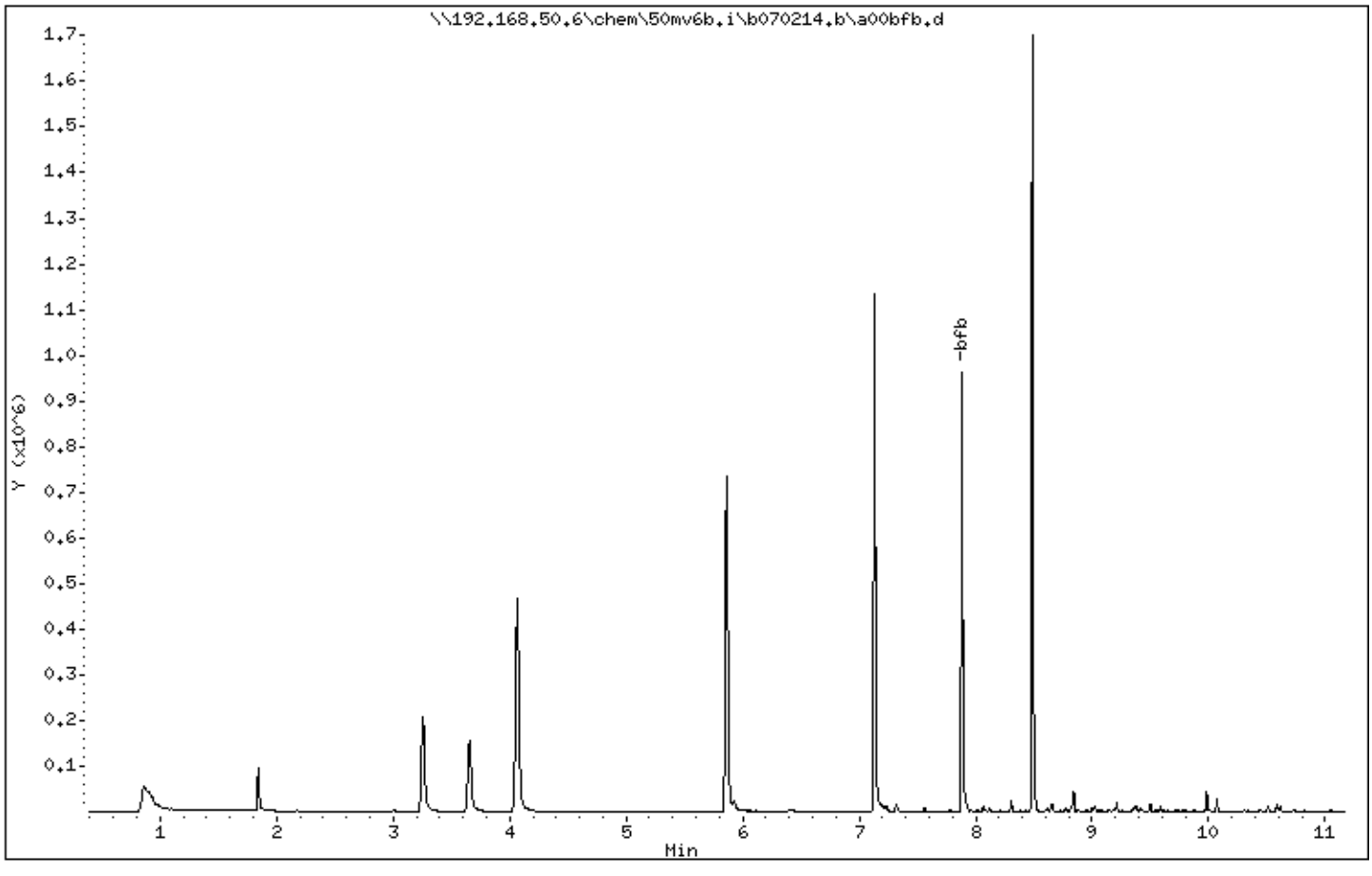
Date : 02-JUL-2014 15:43

Client ID: 8260-TUNE Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71815:0

Volume Injected (uL): 1.0 Operator: ala

Column phase: Column diameter: 2.00



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Date : 02-JUL-2014 15:43

Client ID: 8260-TUNE

Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71815:0

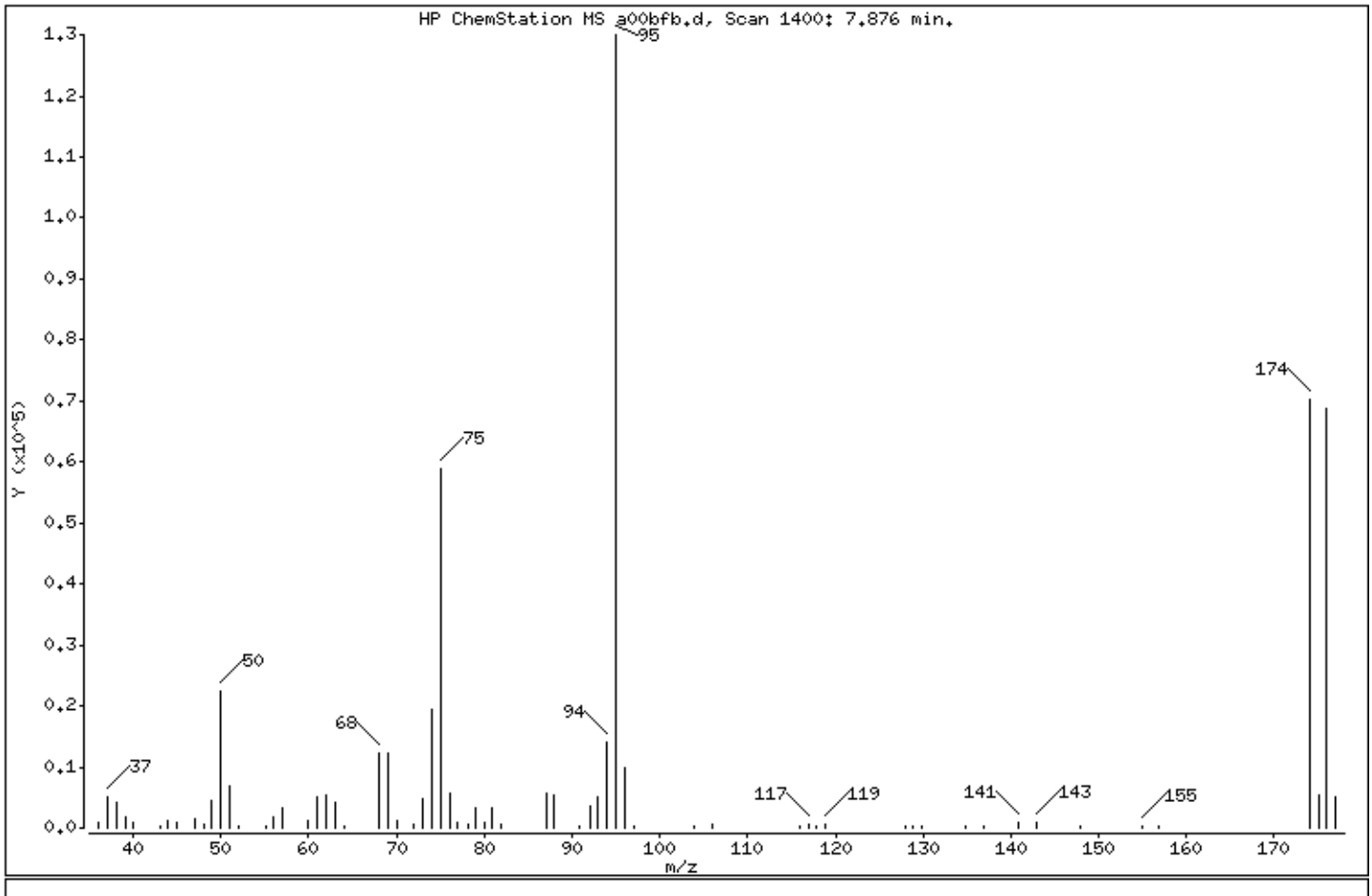
Volume Injected (uL): 1.0

Operator: ala

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	17.15
75	30.00 - 60.00% of mass 95	45.32
96	5.00 - 9.00% of mass 95	7.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	54.12
175	5.00 - 9.00% of mass 174	4.16 (7.68)
176	95.00 - 101.00% of mass 174	52.99 (97.90)
177	5.00 - 9.00% of mass 176	3.84 (7.25)

Date : 02-JUL-2014 15:43

Client ID: 8260-TUNE Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71815:0

Volume Injected (uL): 1.0 Operator: ala

Column phase: Column diameter: 2.00

Data File: a00bfb.d
Spectrum: HP ChemStation MS a00bfb.d, Scan 1400: 7.876 min.
Location of Maximum: 95.00
Number of points: 65

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1013	60.00	1056	80.90	3282	127.90	391
37.00	4955	61.00	5223	81.90	691	128.90	181
38.10	4063	62.00	5261	87.00	5810	129.90	407
39.10	1821	63.00	4059	88.00	5470	134.90	183
40.00	993	64.00	364	90.90	380	136.90	160
43.00	150	68.00	12311	92.00	3458	140.90	896
44.00	1235	69.00	12260	93.00	5161	142.90	912
45.00	972	70.00	1202	94.00	14059	147.90	254
47.00	1551	72.00	683	95.00	130040	154.90	244
48.00	725	73.00	4853	96.00	9934	156.90	181
49.00	4631	74.00	19448	97.00	337	174.00	70384
50.00	22296	75.00	58936	103.90	438	175.00	5409
51.00	6753	76.00	5549	105.90	559	176.00	68904
52.00	270	77.00	837	115.90	369	177.00	4997
55.10	307	78.10	581	116.90	574		
56.00	1778	78.90	3194	117.90	325		
57.00	3173	80.00	918	118.90	515		

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c00bfb.d

Page 1

Date : 03-JUL-2014 02:40

Client ID: 8260-TUNE

Instrument: 50mv6b.i

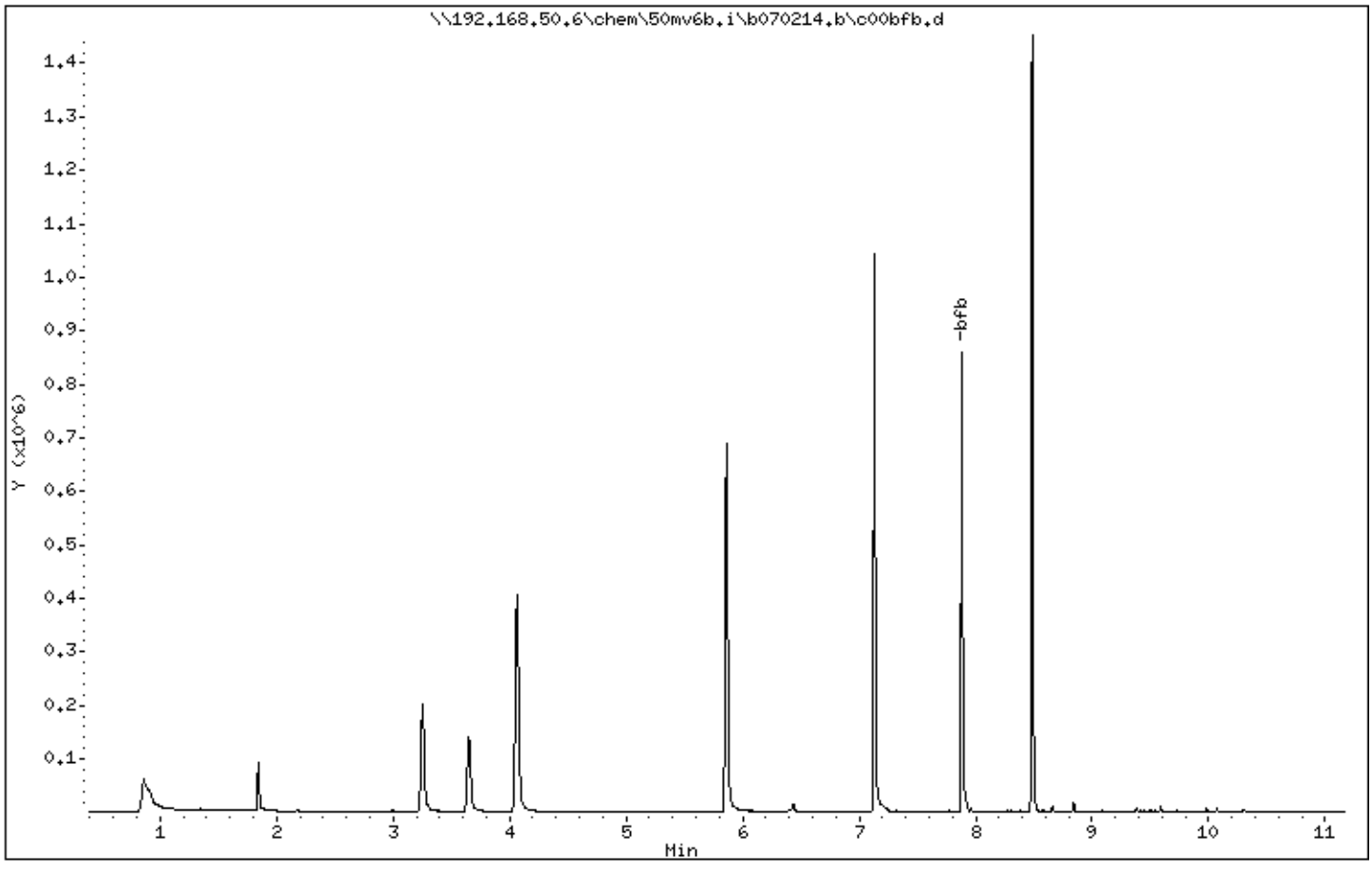
Sample Info: 8260-TUNE,70897:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c00bfb.d

Date : 03-JUL-2014 02:40

Client ID: 8260-TUNE

Instrument: 50mv6b.i

Sample Info: 8260-TUNE,70897:0

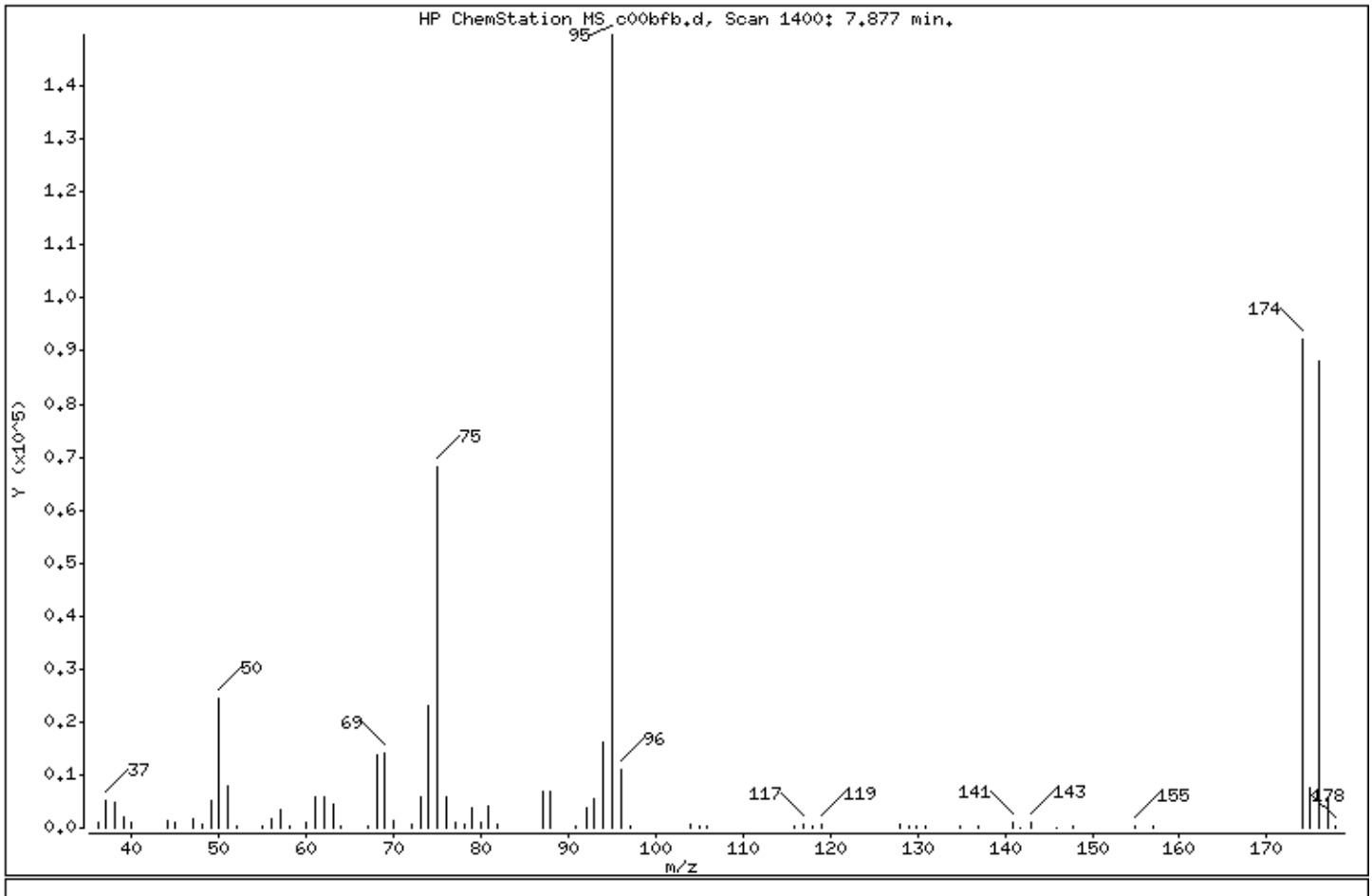
Volume Injected (uL): 1.0

Operator: ala

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	16.40
75	30.00 - 60.00% of mass 95	45.60
96	5.00 - 9.00% of mass 95	7.33
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	61.55
175	5.00 - 9.00% of mass 174	5.00 (8.12)
176	95.00 - 101.00% of mass 174	58.82 (95.57)
177	5.00 - 9.00% of mass 176	3.96 (6.73)

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c00bfb.d

Date : 03-JUL-2014 02:40

Client ID: 8260-TUNE

Instrument: 50mv6b.i

Sample Info: 8260-TUNE,70897:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00

Data File: c00bfb.d
Spectrum: HP ChemStation MS c00bfb.d, Scan 1400: 7.877 min.
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.10	1061	61.00	5964	81.90	843	129.00	239
37.00	5024	62.00	5829	87.00	6966	129.80	417
38.00	4904	63.00	4333	88.00	6892	130.90	180
39.10	1897	64.00	503	90.90	454	134.90	196
40.00	1027	67.00	347	92.00	3849	136.90	188
44.00	1230	68.00	13749	93.00	5654	140.90	1053
45.00	1133	69.00	14268	94.00	16244	141.80	154
47.00	1843	70.00	1214	95.00	149696	142.90	1168
48.00	721	72.00	710	96.00	10968	145.90	162
49.00	5108	73.00	5752	97.10	344	147.90	297
50.00	24544	74.00	22944	103.90	626	154.90	253
51.00	7771	75.00	68256	105.00	176	156.90	200
52.00	268	76.00	5977	105.90	492	174.00	92136
55.00	364	77.00	892	115.90	397	175.00	7485
56.00	1844	78.00	679	116.90	779	176.00	88056
57.00	3540	78.90	3759	117.90	505	177.00	5922
58.00	187	79.90	1056	118.90	579	177.90	184
60.00	1165	80.90	3981	127.90	520		

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a00bfb.d

Date : 03-JUL-2014 16:56

Client ID: 8260-TUNE

Instrument: 50mv6b.i

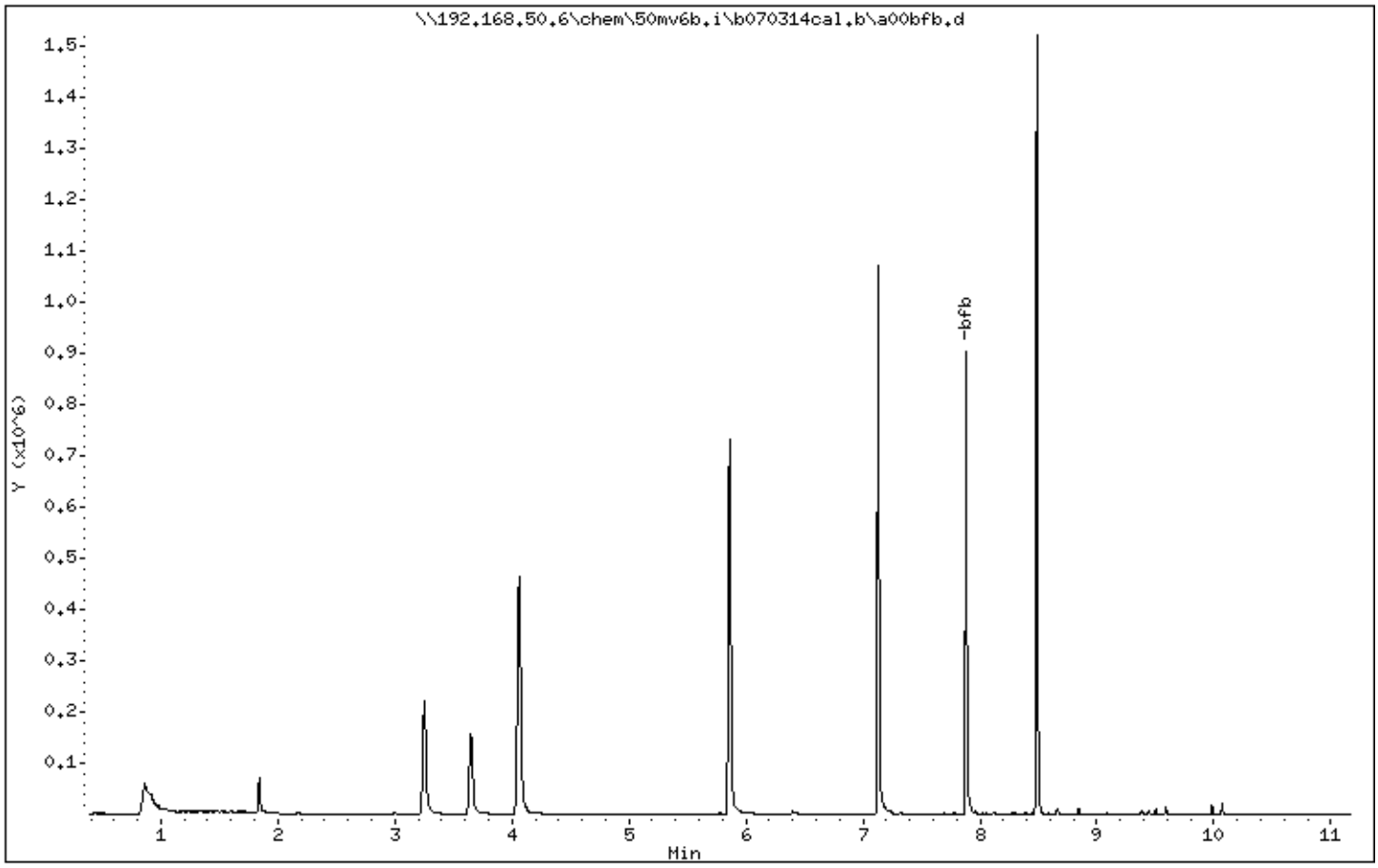
Sample Info: 8260-TUNE,71923:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a00bfb.d

Date : 03-JUL-2014 16:56

Client ID: 8260-TUNE

Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71923:0

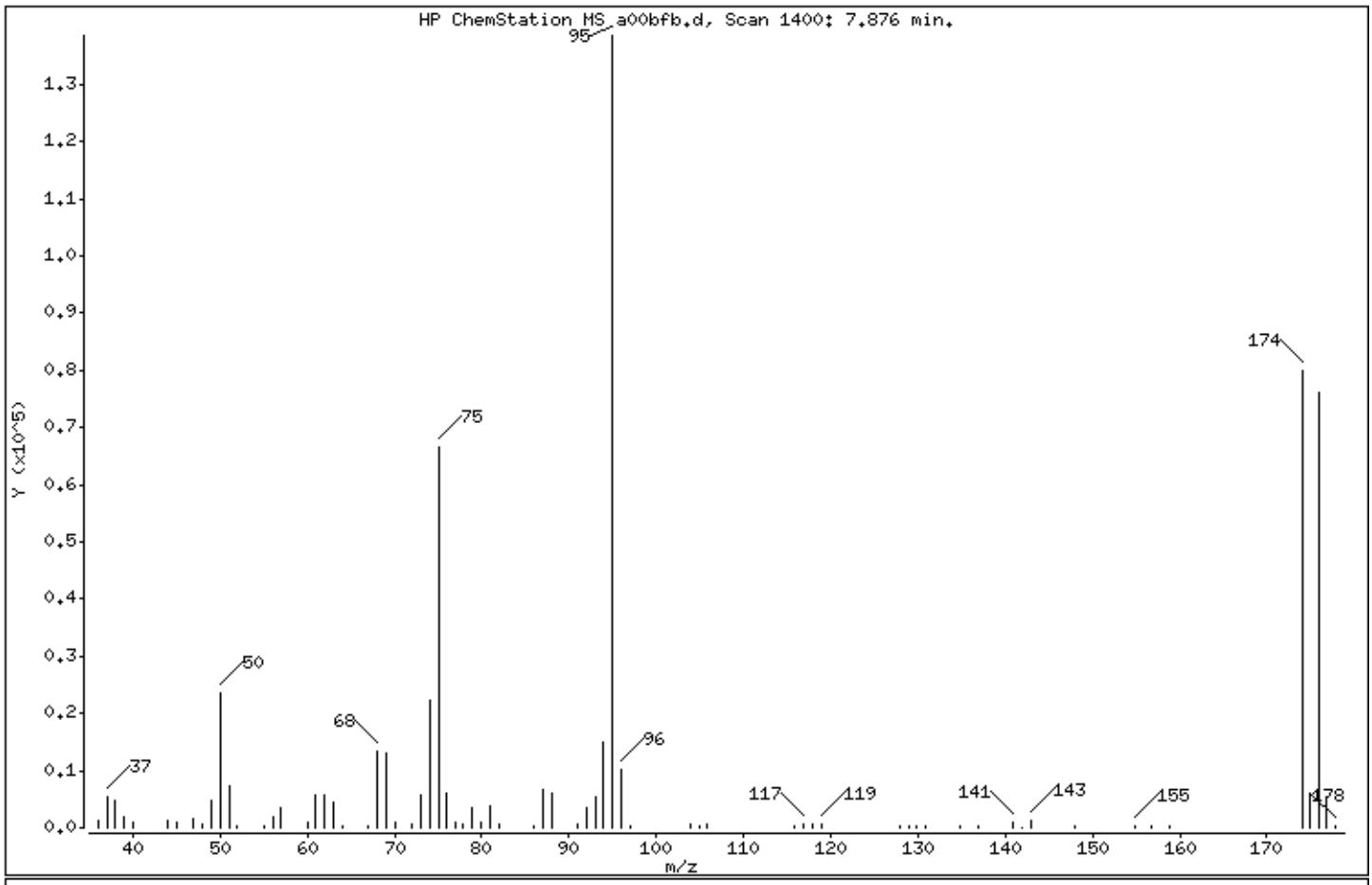
Volume Injected (uL): 1.0

Operator: ala

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	17.10
75	30.00 - 60.00% of mass 95	47.96
96	5.00 - 9.00% of mass 95	7.45
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	57.74
175	5.00 - 9.00% of mass 174	4.29 (7.43)
176	95.00 - 101.00% of mass 174	54.99 (95.24)
177	5.00 - 9.00% of mass 176	3.94 (7.17)

Date : 03-JUL-2014 16:56

Client ID: 8260-TUNE Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71923:0

Volume Injected (uL): 1.0 Operator: ala

Column phase: Column diameter: 2.00

Data File: a00bfb.d
Spectrum: HP ChemStation MS a00bfb.d, Scan 1400: 7.876 min.
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1155	62.00	5633	85.90	221	128.90	245
37.10	5504	63.00	4321	87.00	6538	129.90	465
38.00	4751	64.10	462	88.00	6093	130.80	164
39.00	2000	67.00	360	90.90	498	134.90	203
40.00	1077	68.00	13462	92.00	3597	136.90	193
44.00	1360	69.00	13198	93.00	5313	140.90	1060
45.00	1064	70.00	1062	94.00	15044	141.90	152
47.00	1578	72.00	668	95.00	138496	142.90	1256
48.00	781	73.00	5687	96.00	10319	147.90	304
49.00	4815	74.00	22208	97.00	332	154.90	220
50.00	23680	75.00	66416	103.90	535	156.80	199
51.00	7308	76.00	6068	104.90	165	158.90	169
52.00	286	77.00	863	105.90	560	174.00	79968
55.10	234	77.90	543	115.90	380	174.90	5941
56.00	1838	78.90	3560	116.90	690	176.00	76160
57.00	3359	79.90	947	117.90	478	176.90	5459
60.00	1080	80.90	3687	118.90	618	177.90	219
61.00	5863	81.90	713	127.90	432		

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c00bfb.d

Date : 04-JUL-2014 03:23

Client ID: 8260-TUNE

Instrument: 50mv6b.i

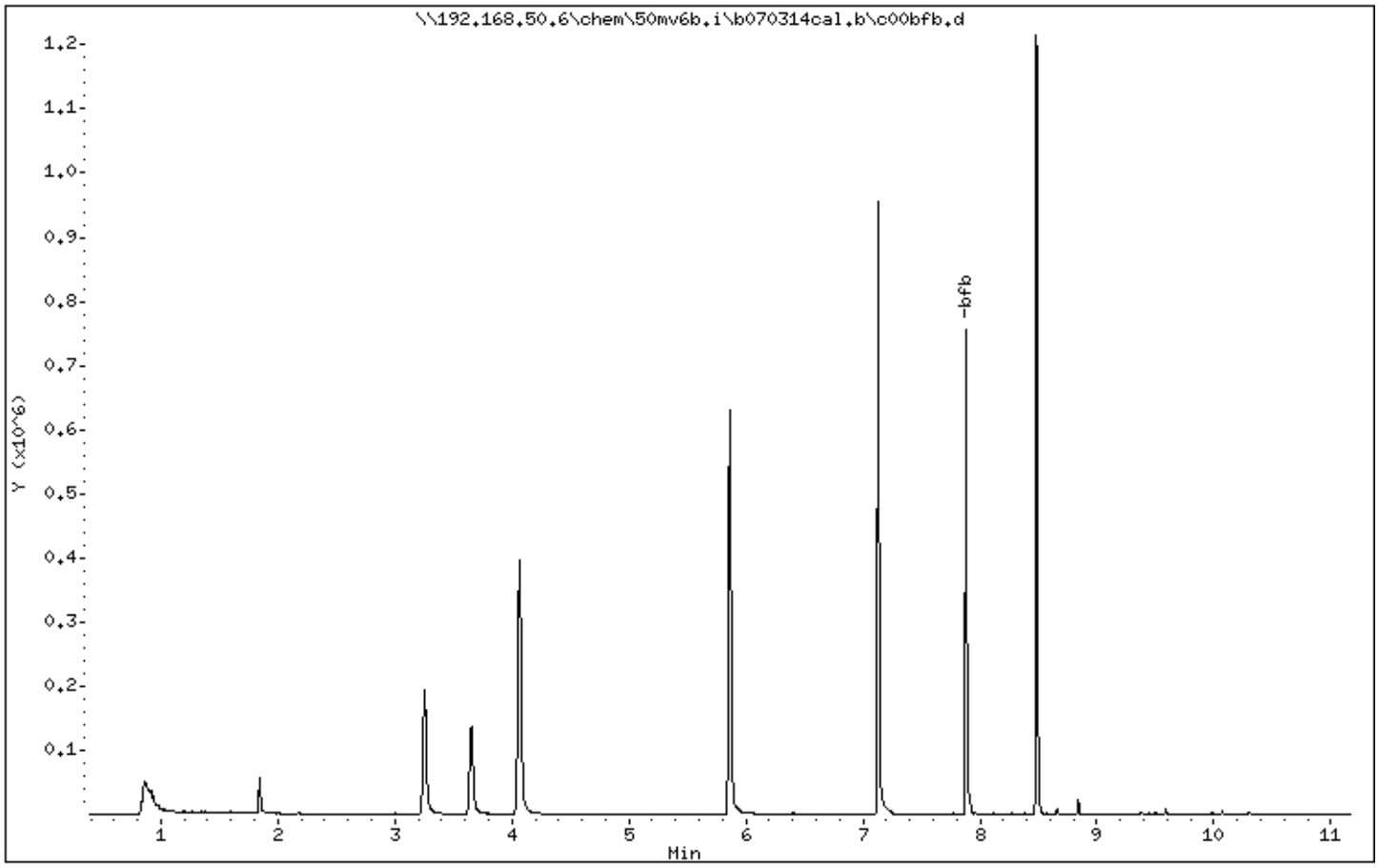
Sample Info: 8260-TUNE,71933:0

Volume Injected (uL): 1.0

Operator: ala

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c00bfb.d

Date : 04-JUL-2014 03:23

Client ID: 8260-TUNE

Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71933:0

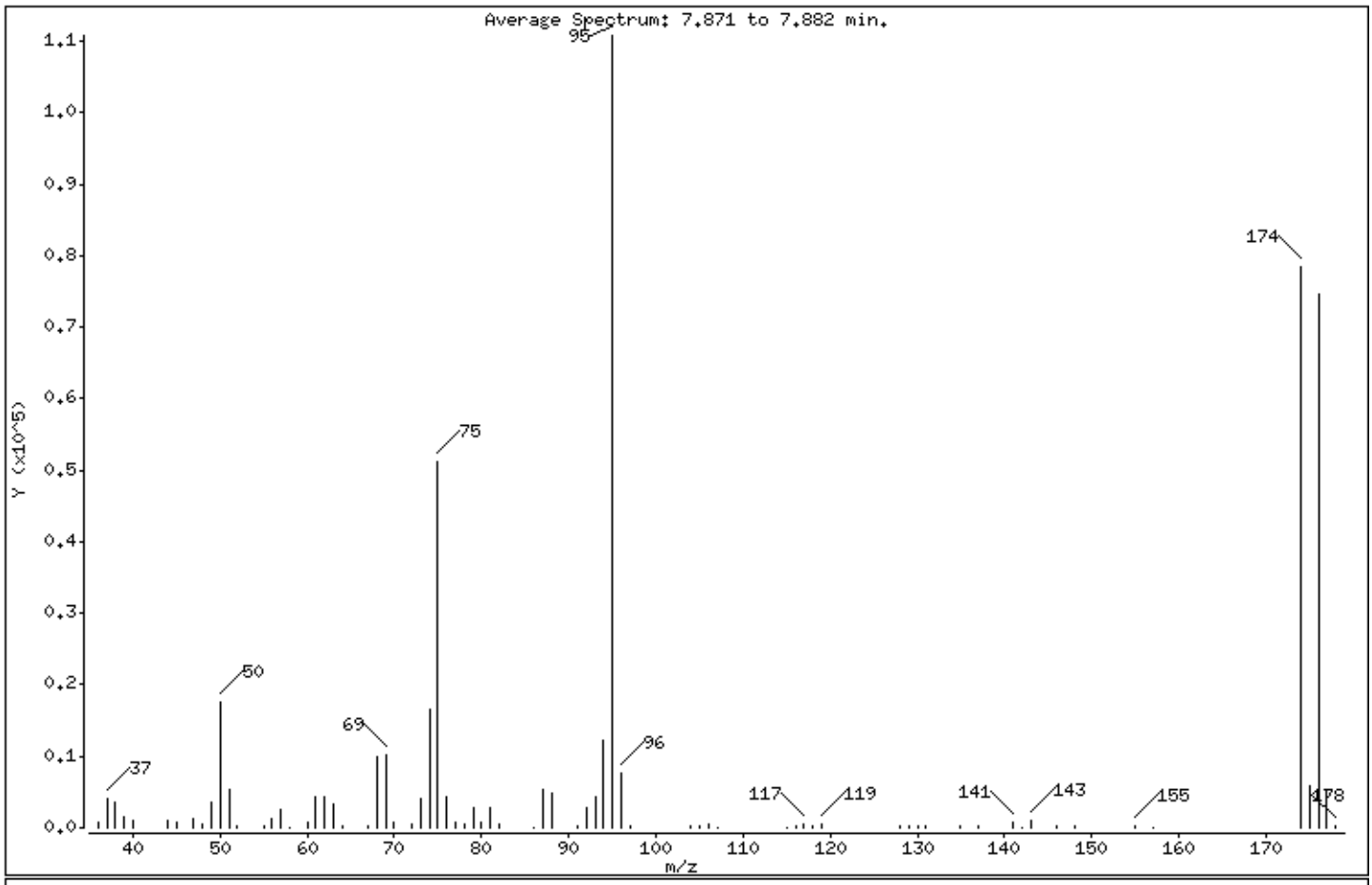
Volume Injected (uL): 1.0

Operator: ala

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	15.87
75	30.00 - 60.00% of mass 95	46.27
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	70.72
175	5.00 - 9.00% of mass 174	5.21 (7.37)
176	95.00 - 101.00% of mass 174	67.41 (95.31)
177	5.00 - 9.00% of mass 176	4.63 (6.86)

Date : 04-JUL-2014 03:23

Client ID: 8260-TUNE Instrument: 50mv6b.i

Sample Info: 8260-TUNE,71933:0

Volume Injected (uL): 1.0 Operator: ala

Column phase: Column diameter: 2.00

Data File: c00bfb.d
Spectrum: Average Spectrum: 7.871 to 7.882 min.
Location of Maximum: 95.00
Number of points: 74

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	736	62.00	4287	87.00	5346	129.00	184
37.00	3967	63.00	3210	88.00	4817	130.00	322
38.00	3495	64.00	285	91.00	278	131.00	129
39.00	1452	67.00	221	92.00	2862	135.00	150
40.00	1111	68.00	10014	93.00	4332	137.00	177
44.00	957	69.00	10290	94.00	12287	141.00	861
45.00	766	70.00	867	95.00	110816	142.00	57
47.00	1271	72.00	474	96.00	7626	143.00	932
48.00	514	73.00	4187	97.00	212	146.00	146
49.00	3637	74.00	16480	104.00	380	148.00	227
50.00	17584	75.00	51280	105.00	130	155.00	244
51.00	5451	76.00	4303	106.00	405	157.00	98
52.00	219	77.00	641	107.00	54	174.00	78368
55.00	247	78.00	434	115.00	73	175.00	5772
56.00	1342	79.00	2857	116.00	309	176.00	74696
57.00	2532	80.00	758	117.00	609	177.00	5126
58.00	53	81.00	2788	118.00	289	178.00	156
60.00	811	82.00	562	119.00	405		
61.00	4338	86.00	59	128.00	327		

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 04:02 Lab Sample ID: 1122264

Date Analyzed: 07/03/2014 04:02 Lab File ID: B070214.B\C03MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 04:02 Lab Sample ID: 1122264

Date Analyzed: 07/03/2014 04:02 Lab File ID: B070214.B\C03MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d
Lab Smp Id: 1122597 Client Smp ID: MB
Inj Date : 03-JUL-2014 04:02
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1122597
Misc Info : 66448
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 17:34 Cal File: a04.d
Als bottle: 26 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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	17 Methylene Chloride	84	1.841	1.847	(0.453)	64985	11.9355	11.9
	19 Acrylonitrile	53	1.980	1.980	(0.487)	2837	2.26428	2.26
$	33 Dibromofluoromethane (S)	113	3.254	3.259	(0.800)	142635	56.0328	56.0
*	41 Fluorobenzene	96	4.067	4.072	(1.000)	490159	50.0000	
	50 4-Methyl-2-Pentanone	43	5.773	5.779	(0.809)	2942	1.30481	1.30
$	51 Toluene-d8	98	5.859	5.864	(0.821)	456269	47.4925	47.5
	52 Toluene	91	5.928	5.934	(0.831)	2028	0.11812	0.118
	56 Tetrachloroethene	166	6.431	6.437	(0.902)	1986	0.42131	0.421
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	424362	50.0000	
	64 Ethylbenzene	106	7.234	7.234	(1.014)	624	0.10414	0.104(Q)
	65 m&p-Xylene	106	7.319	7.325	(1.026)	1800	0.23222	0.232
	68 Styrene	104	7.576	7.576	(1.062)	1522	0.13295	0.133
	70 Isopropylbenzene	105	7.785	7.785	(1.091)	3079	0.18106	0.181
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	185169	53.1081	53.1
	74 Bromobenzene	77	7.951	7.951	(1.115)	1605	0.26786	0.268(Q)
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	4066	0.17796	0.178
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	2726	0.19224	0.192
	79 4-Chlorotoluene	126	8.122	8.127	(0.957)	694	0.12838	0.128(Q)
	80 tert-Butylbenzene	119	8.277	8.277	(0.975)	5923	0.91707	0.917
	83 1,3-Dichlorobenzene	146	8.448	8.443	(0.996)	2189	0.22185	0.222
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	250253	50.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
86	1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	2764	0.26579	0.266(Q)
148	1-Methylnaphthalene	141	10.069	10.069	(1.187)	27697	1.09678	1.10

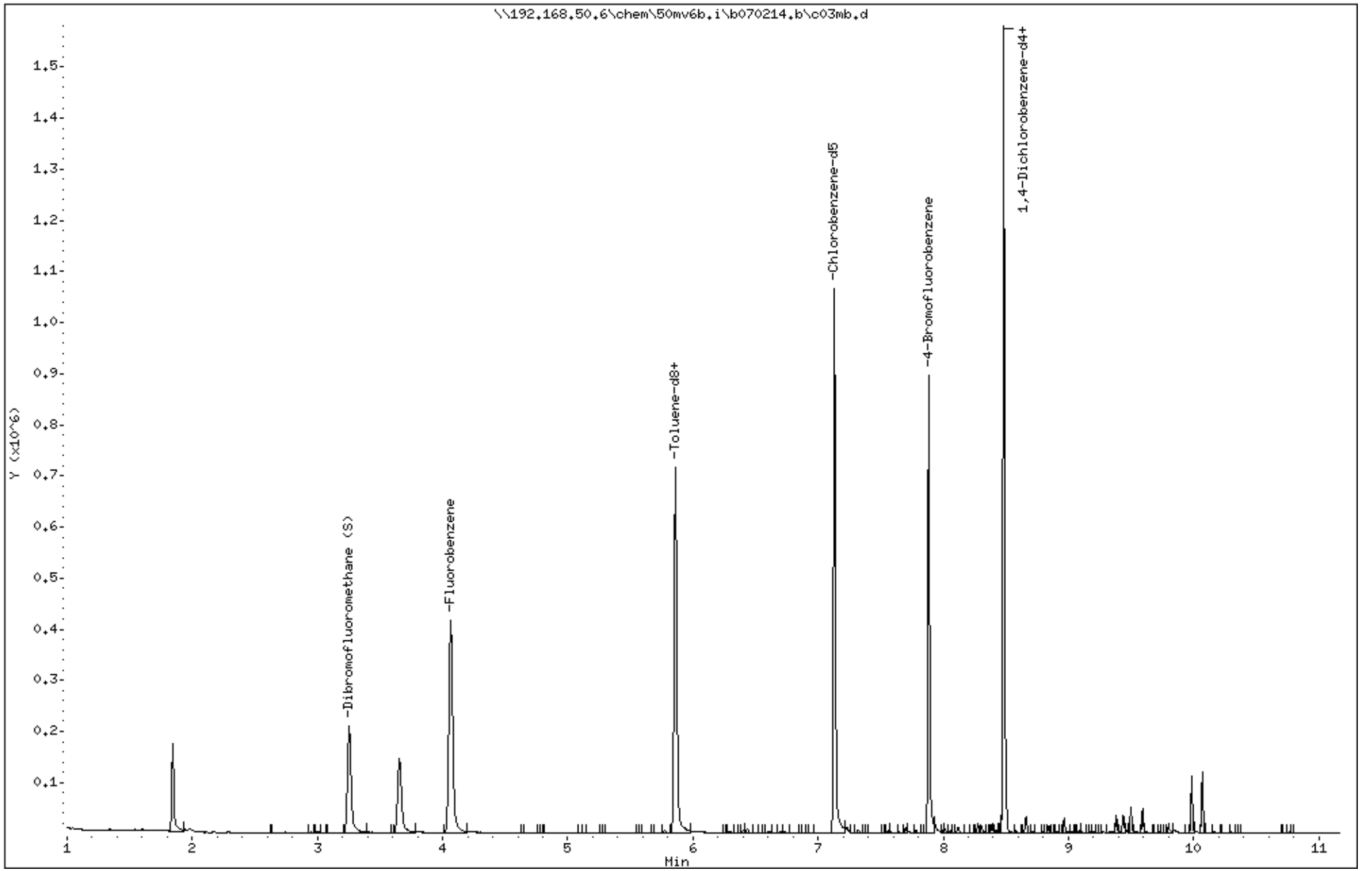
QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d
Date : 03-JUL-2014 04:02
Client ID: MB
Sample Info: 1122597

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18

Column phase: DB-624



Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

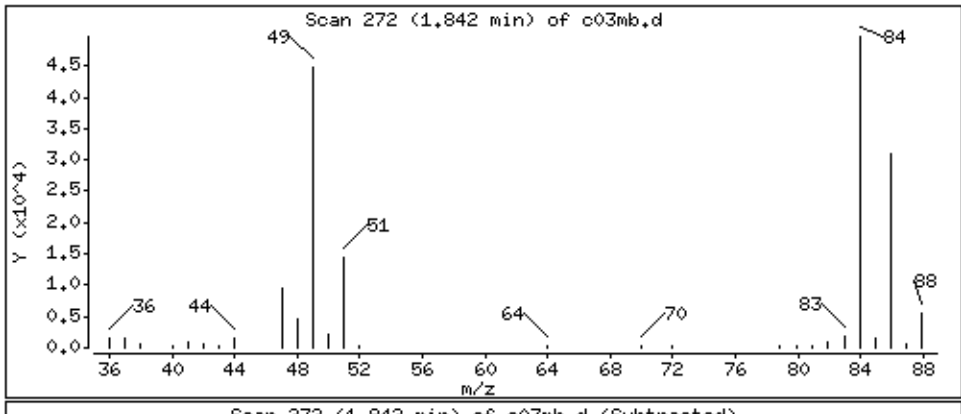
Operator: ala

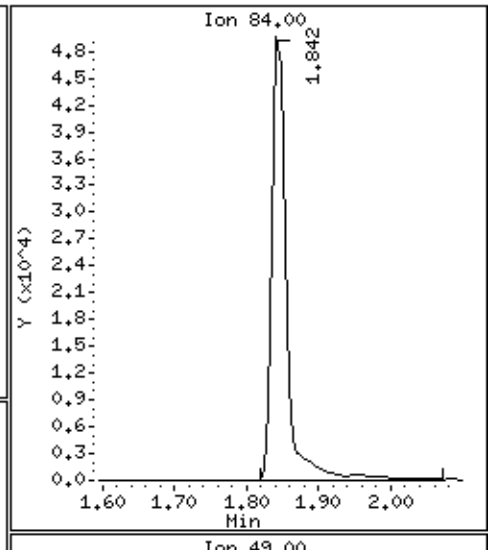
Column phase: DB-624

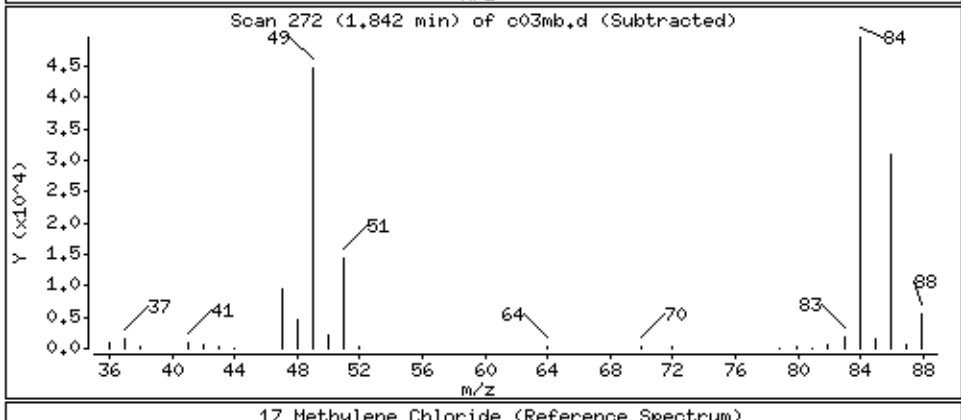
Column diameter: 0.18

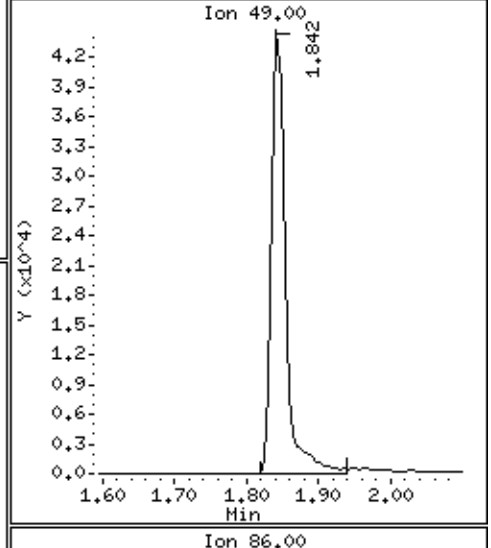
17 Methylene Chloride

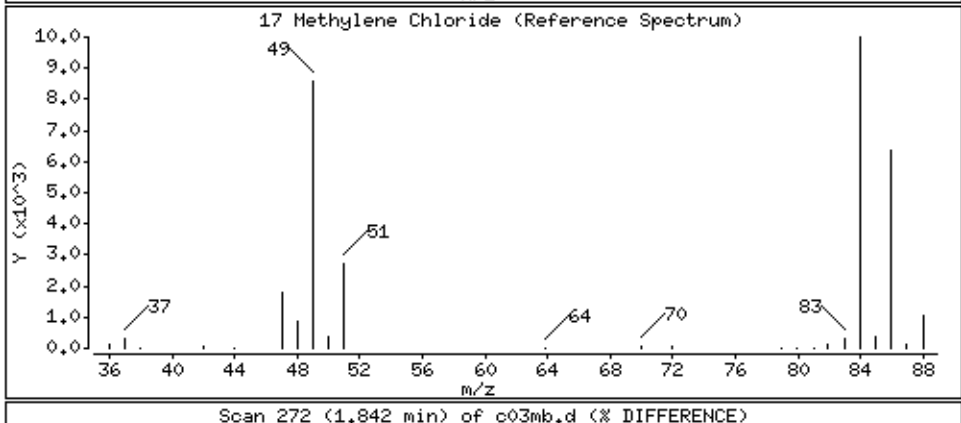
Concentration: 11.9 ppb

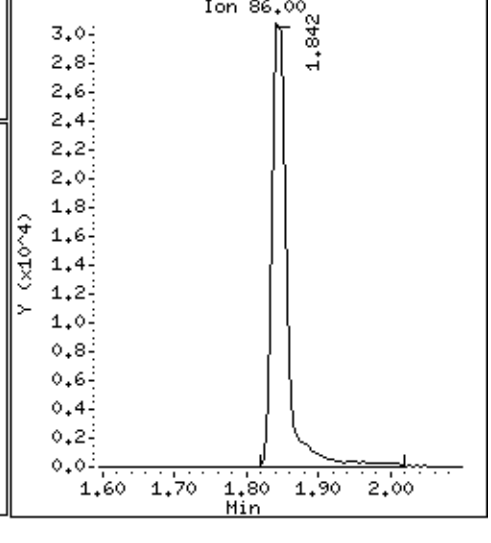


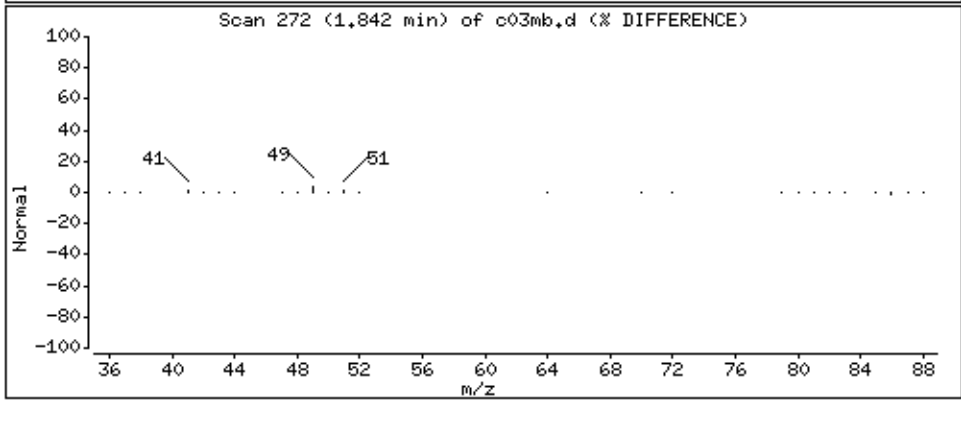












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

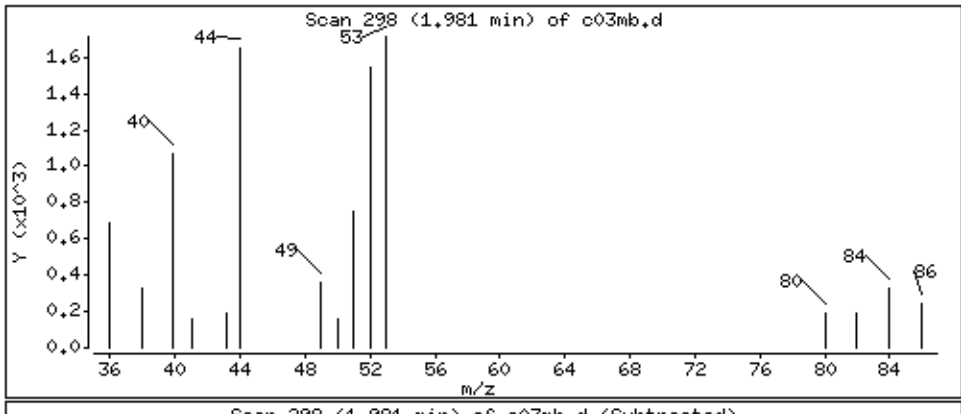
Operator: ala

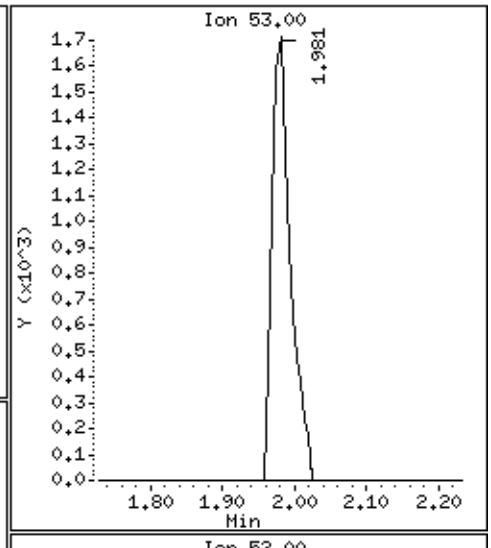
Column phase: DB-624

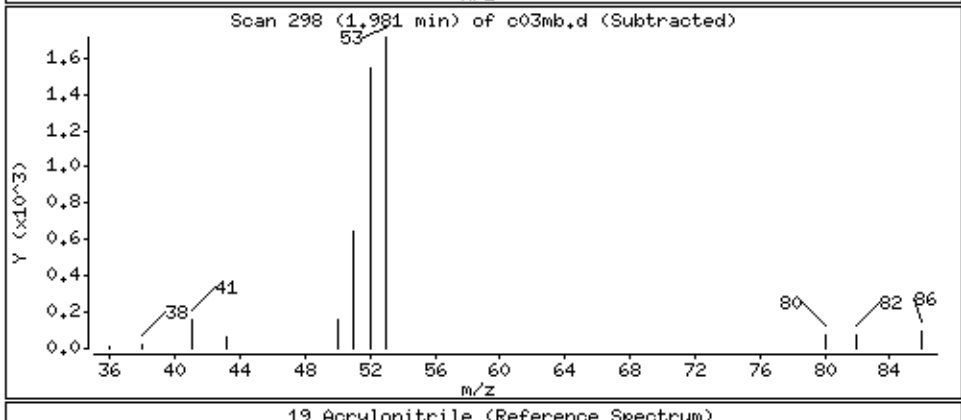
Column diameter: 0.18

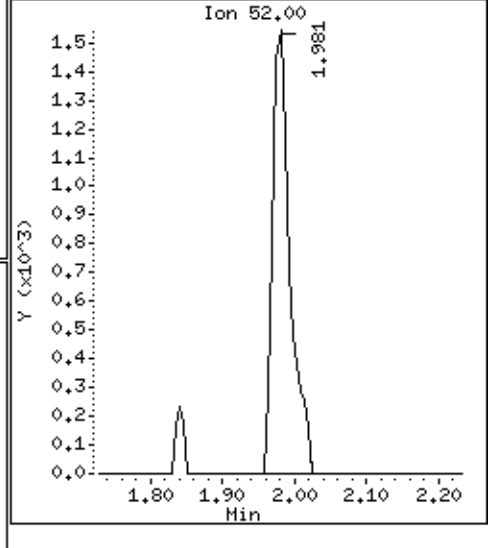
19 Acrylonitrile

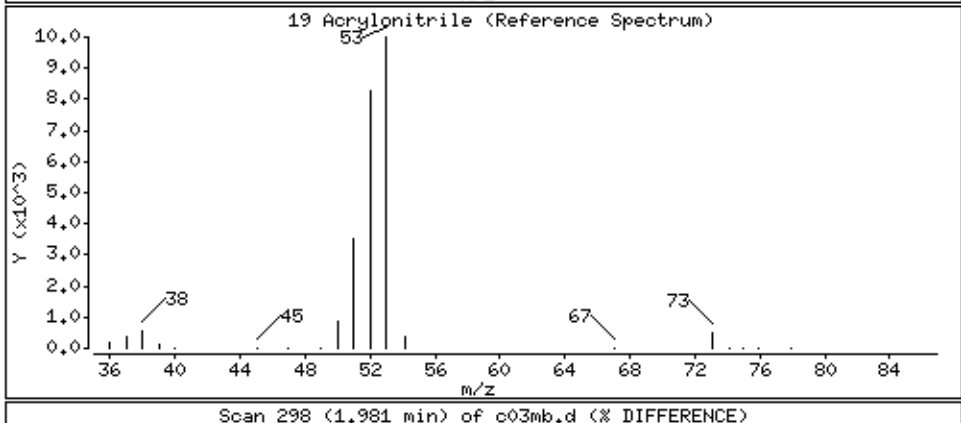
Concentration: 2.26 ppb

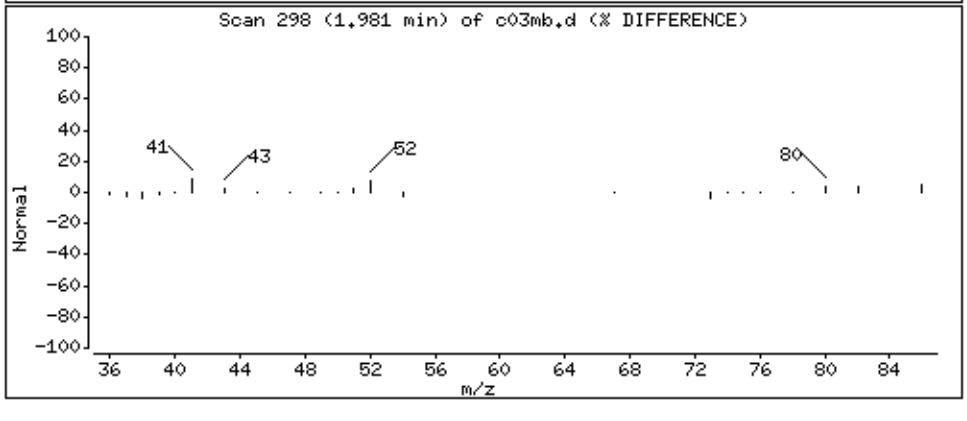












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

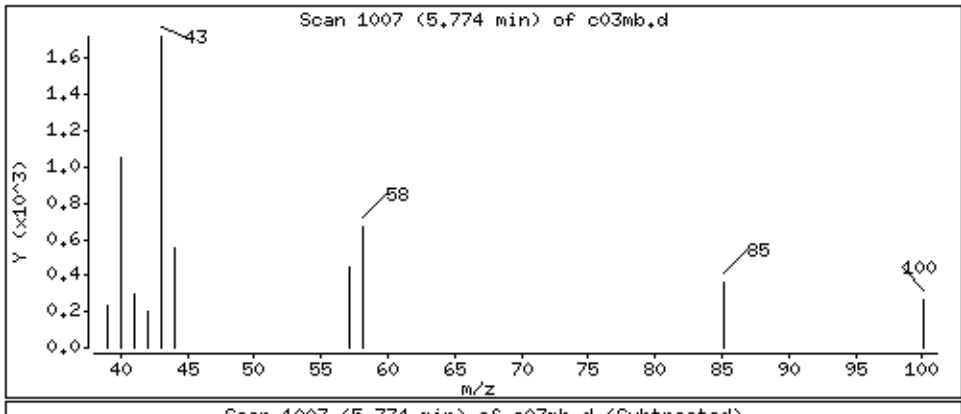
Operator: ala

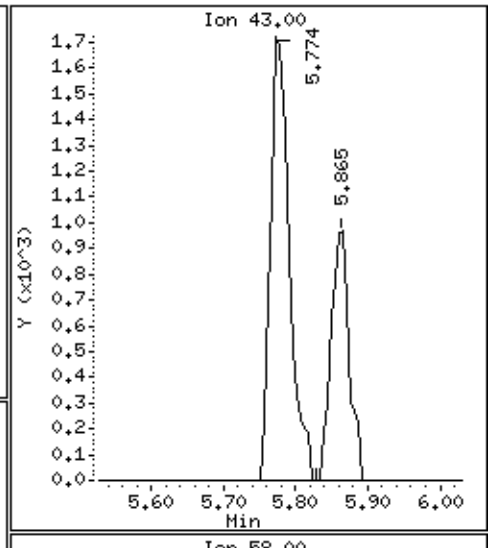
Column phase: DB-624

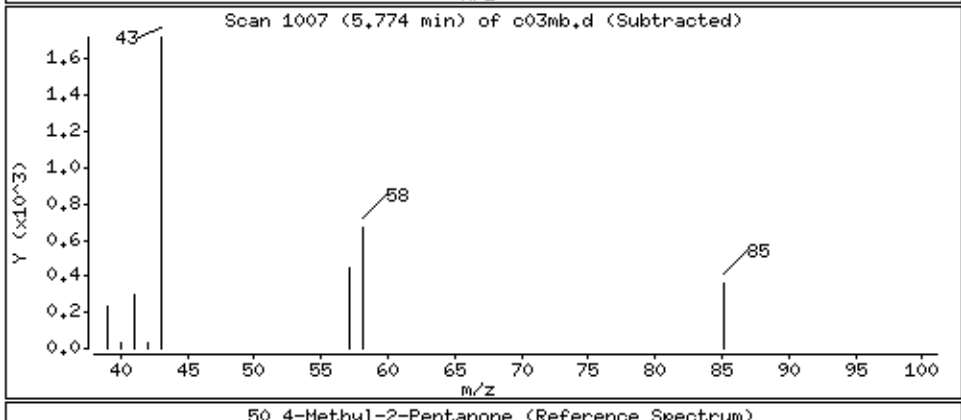
Column diameter: 0.18

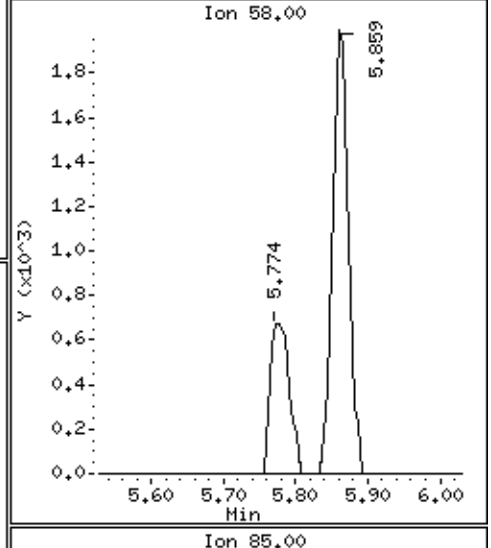
50 4-Methyl-2-Pentanone

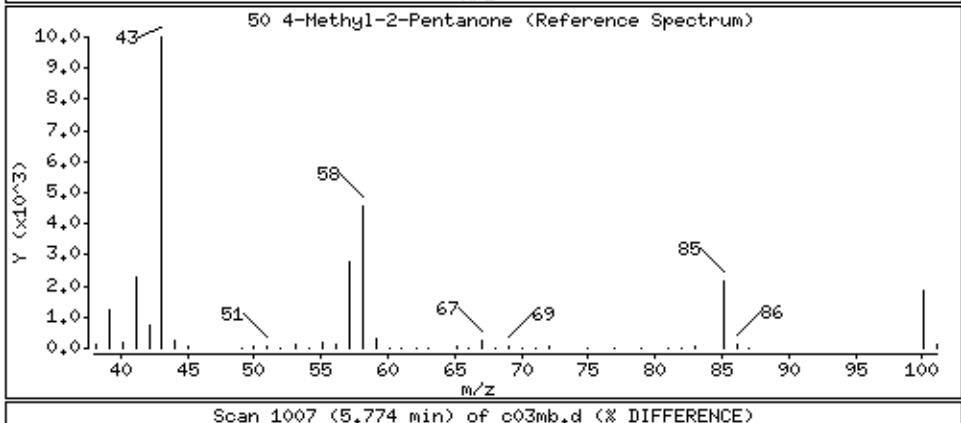
Concentration: 1.30 ppb

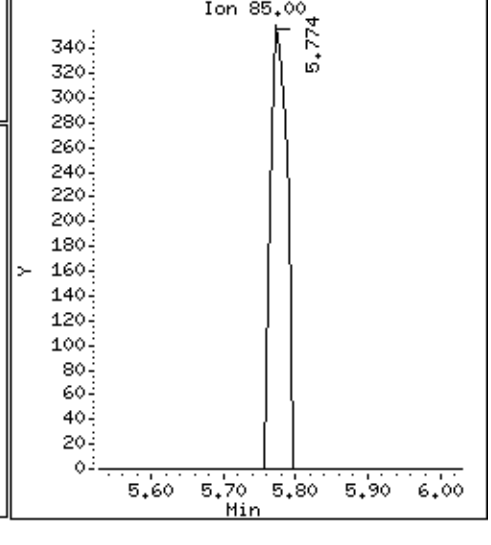


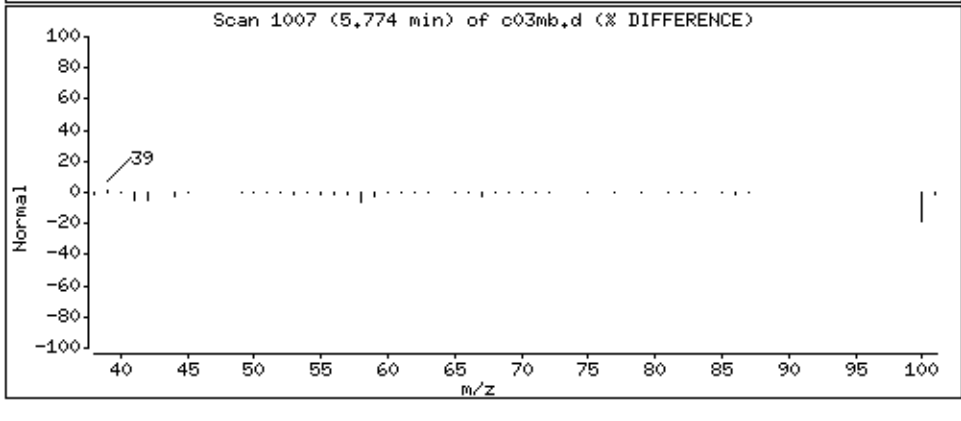












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

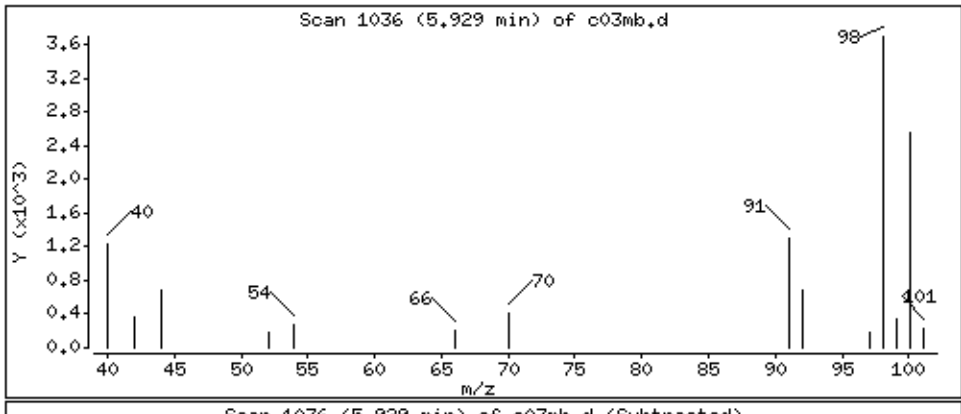
Operator: ala

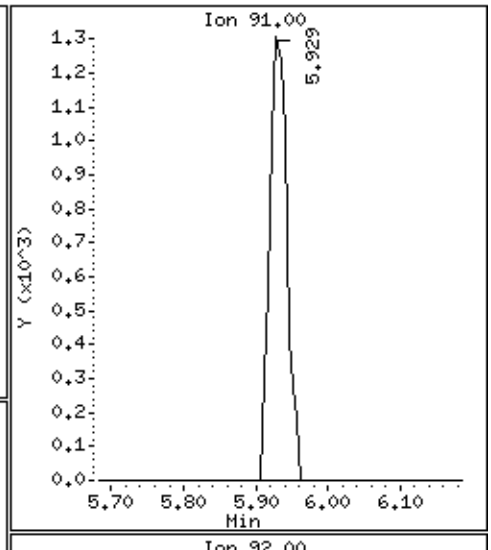
Column phase: DB-624

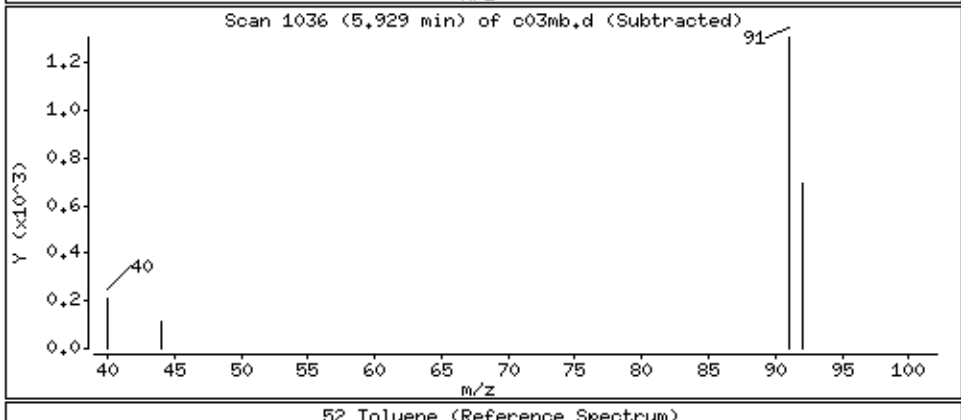
Column diameter: 0.18

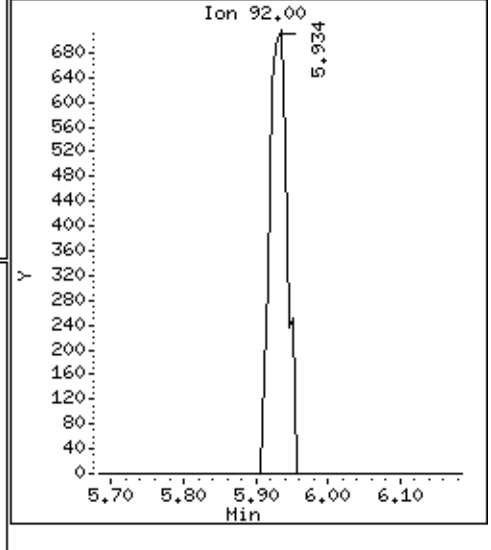
52 Toluene

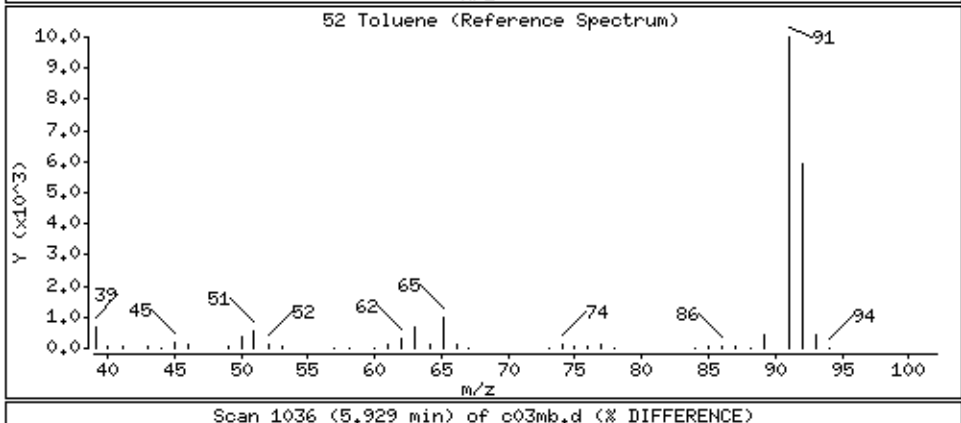
Concentration: 0.118 ppb

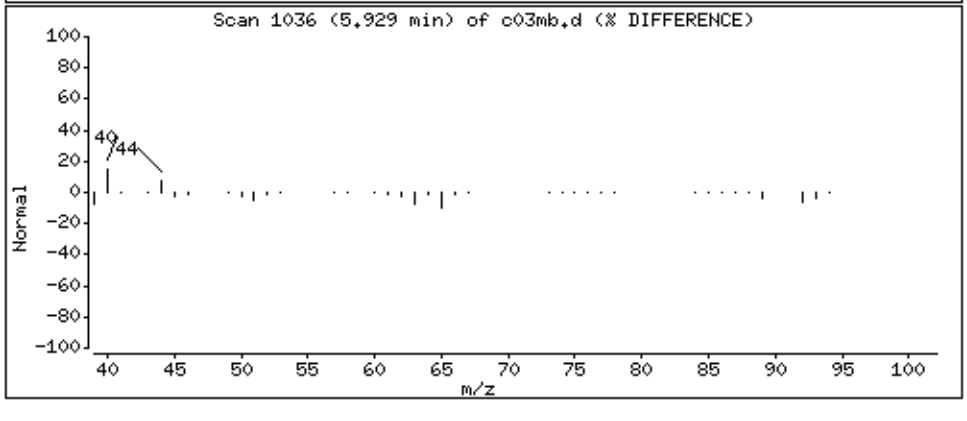












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

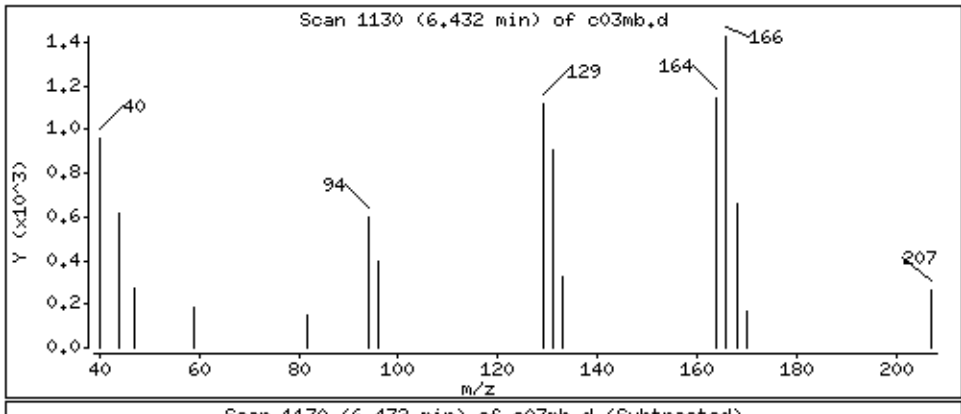
Operator: ala

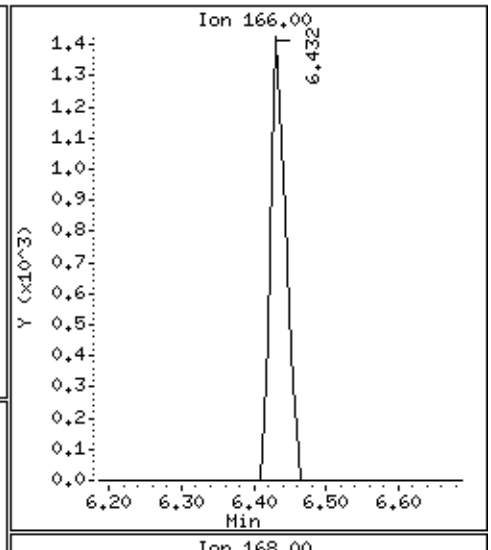
Column phase: DB-624

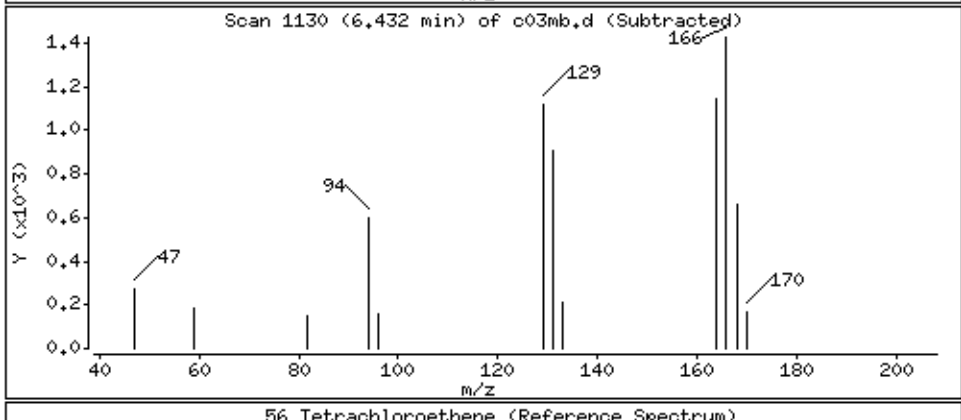
Column diameter: 0.18

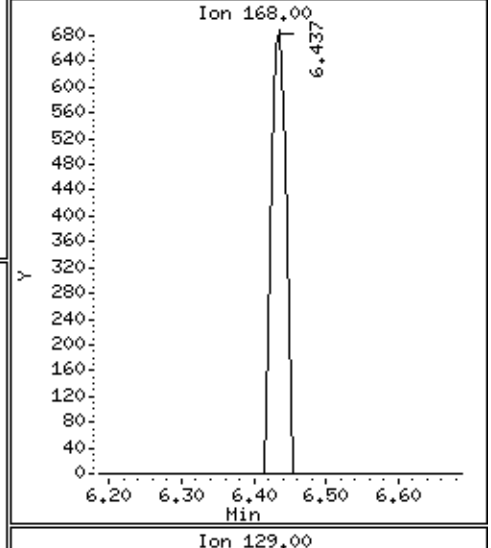
56 Tetrachloroethene

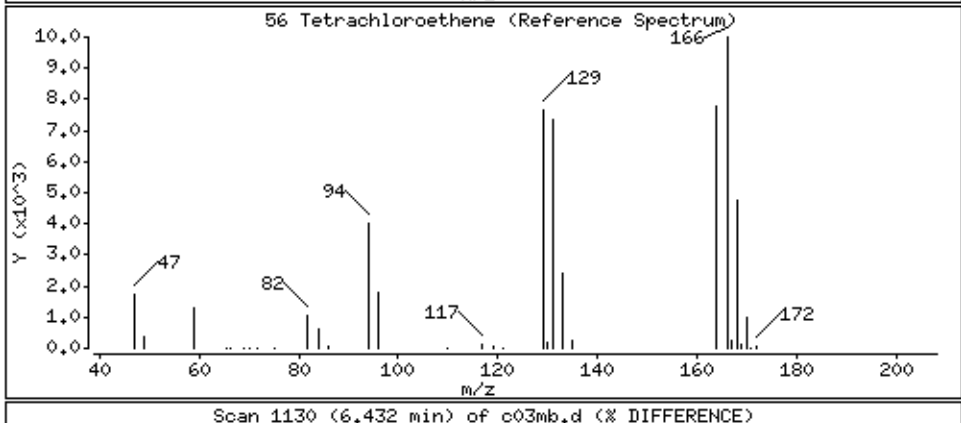
Concentration: 0.421 ppb

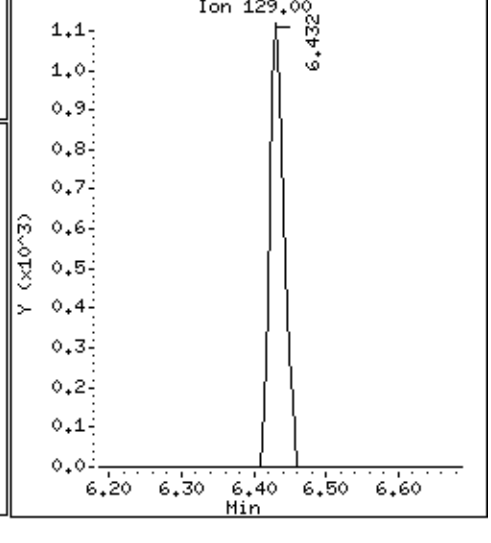


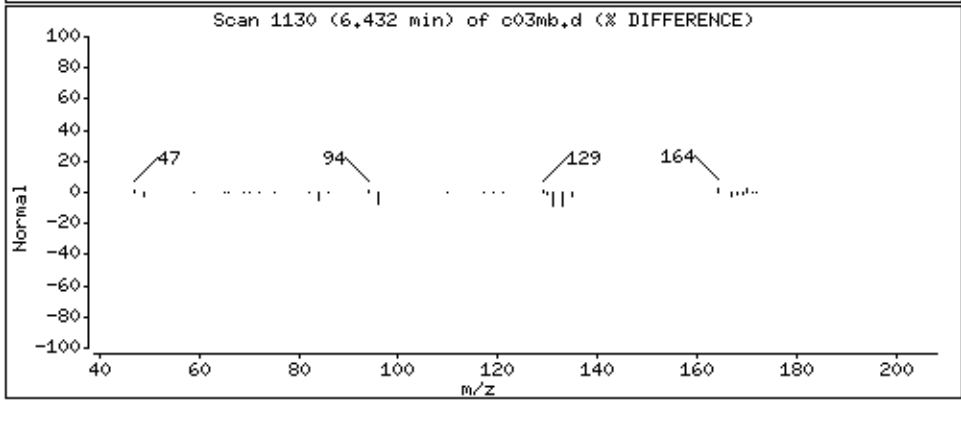












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

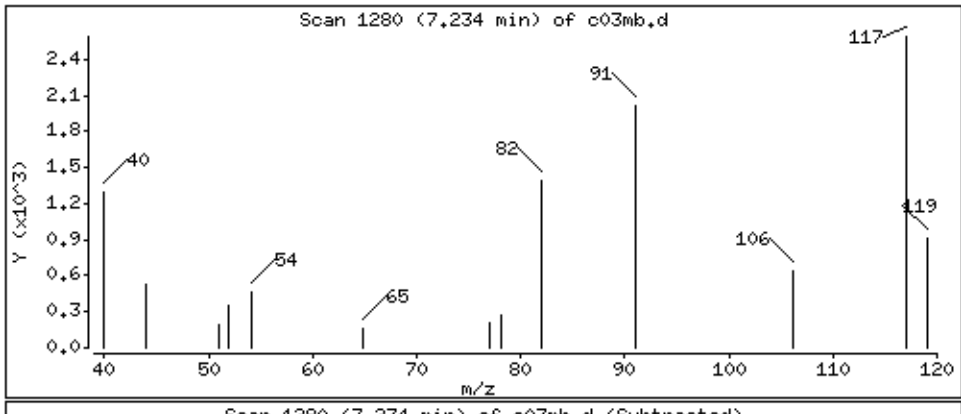
Operator: ala

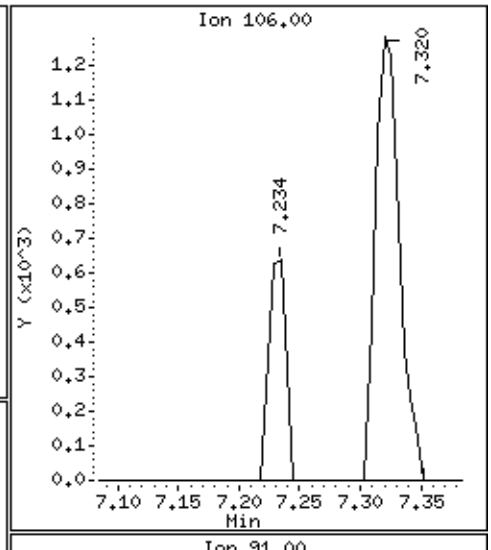
Column phase: DB-624

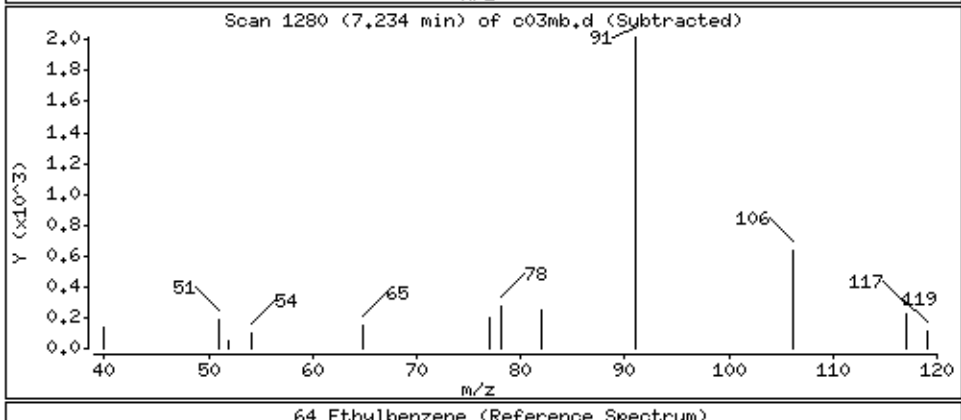
Column diameter: 0.18

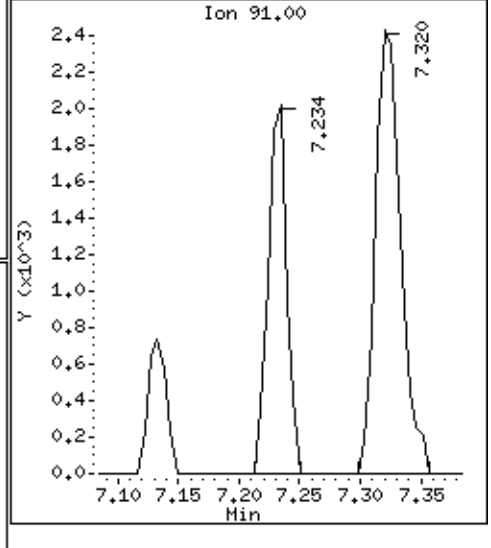
64 Ethylbenzene

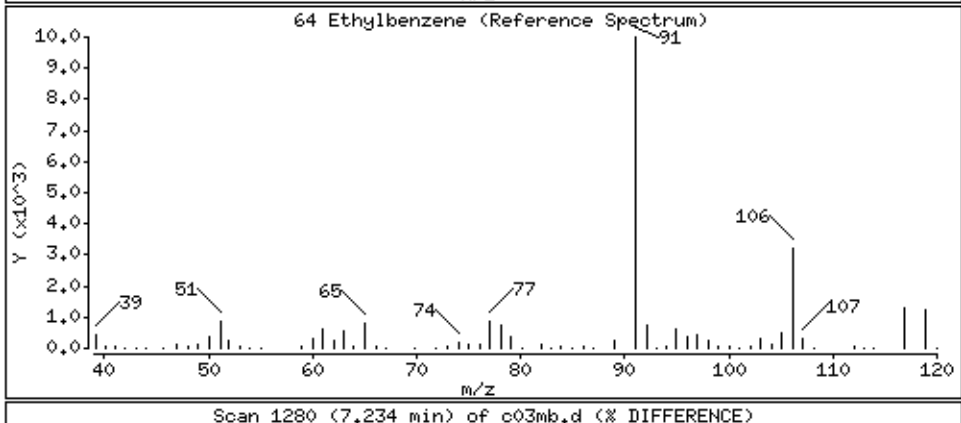
Concentration: 0.104 ppb

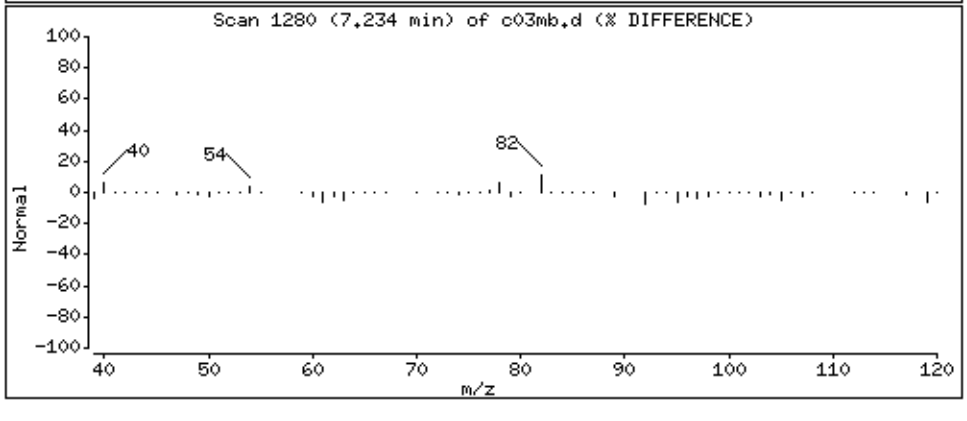












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

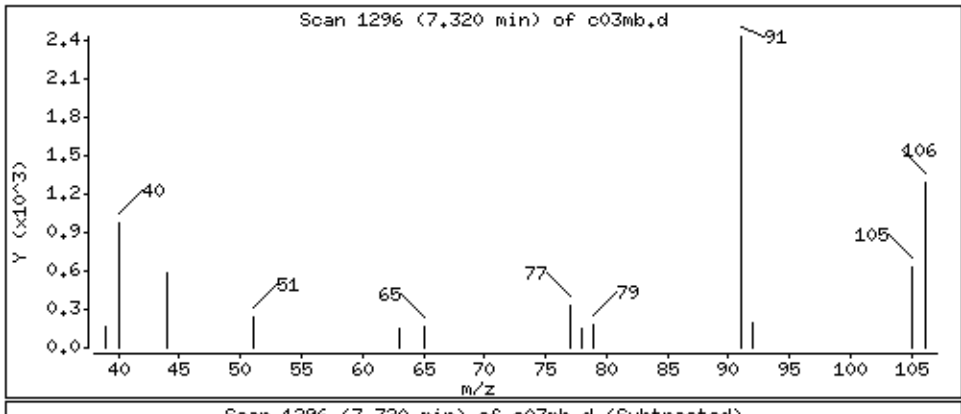
Operator: ala

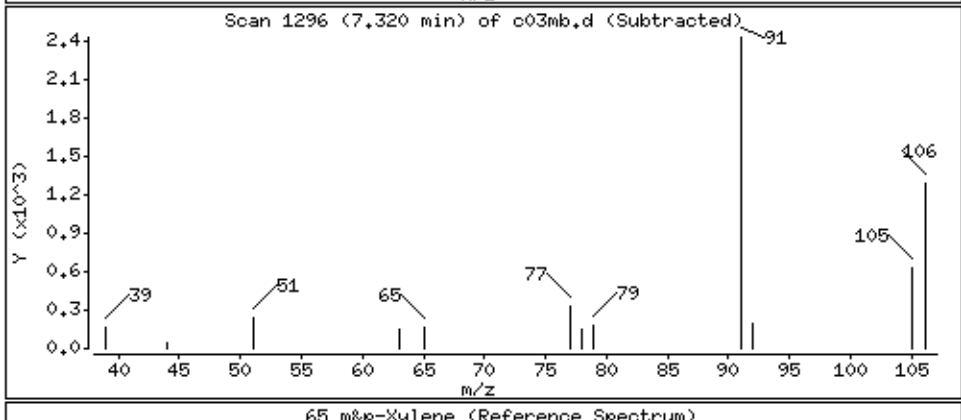
Column phase: DB-624

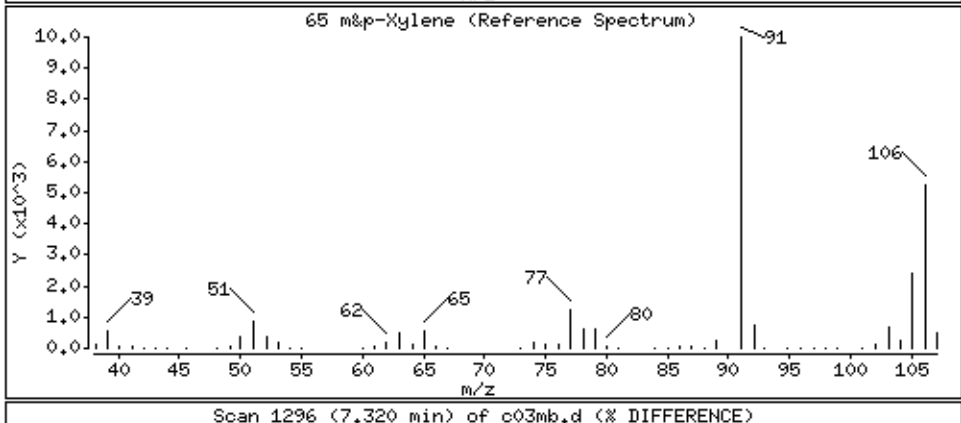
Column diameter: 0.18

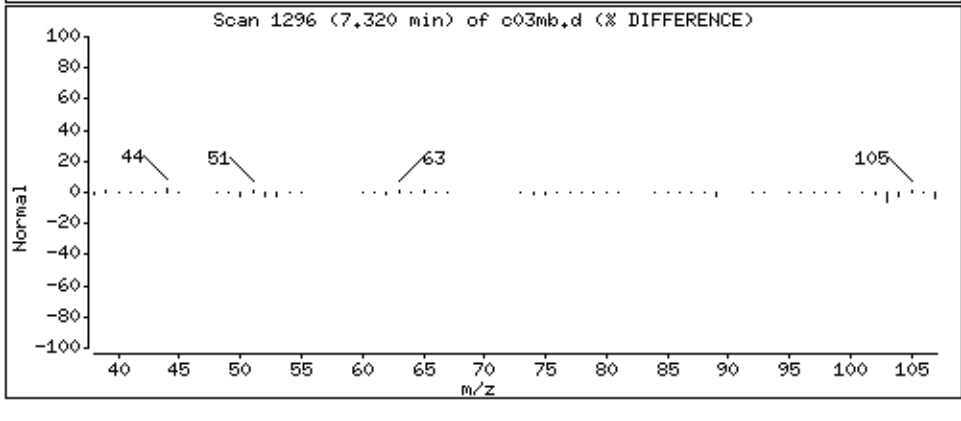
65 m&p-Xylene

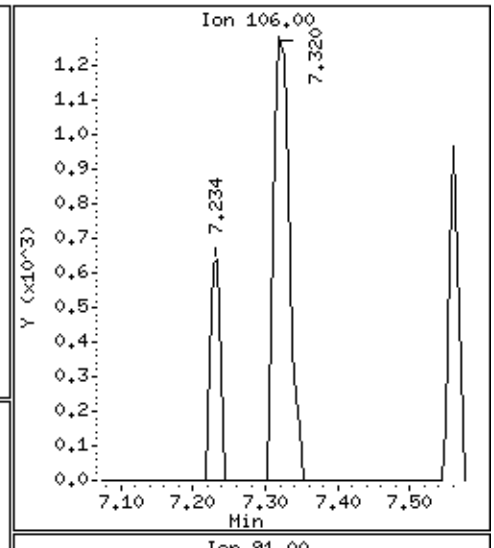
Concentration: 0.232 ppb

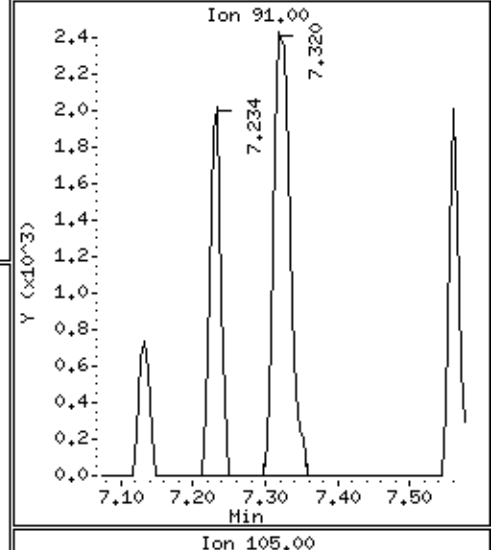


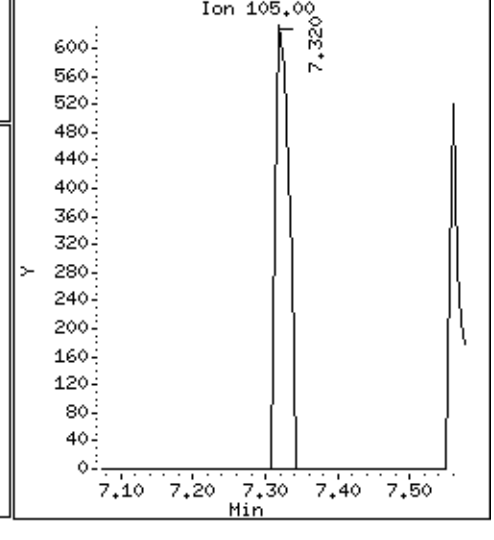












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

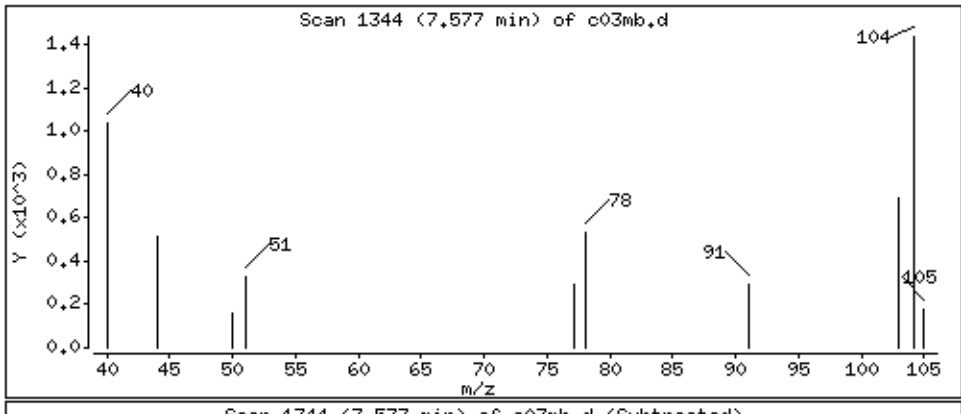
Operator: ala

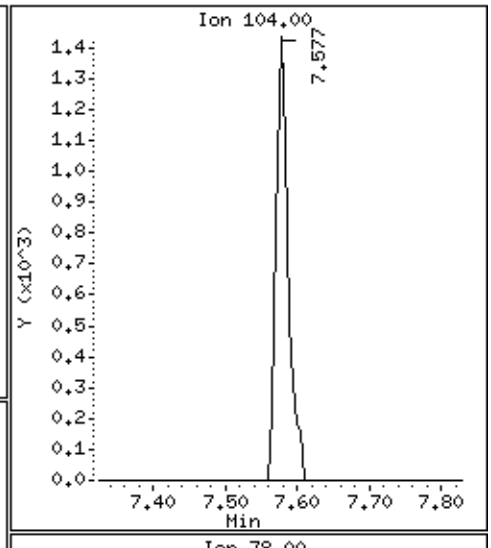
Column phase: DB-624

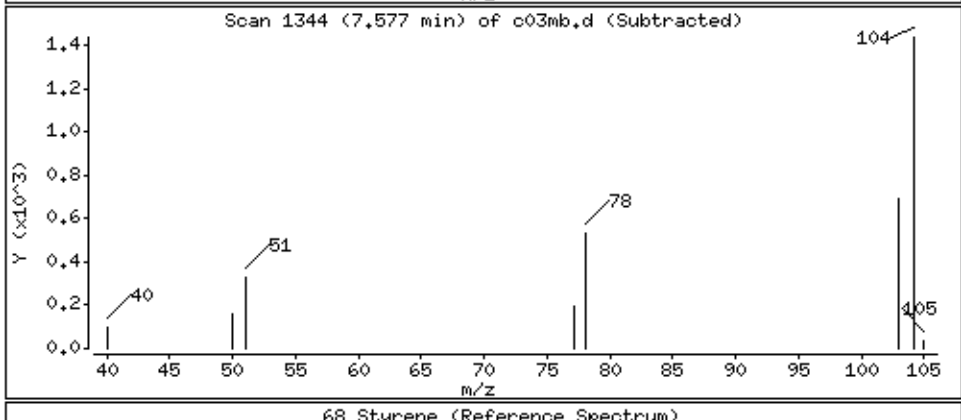
Column diameter: 0.18

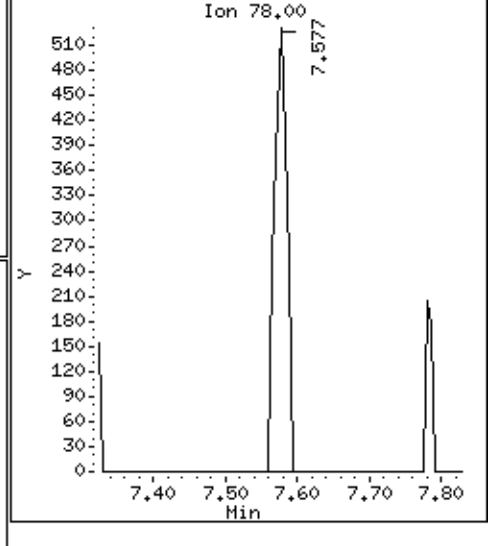
68 Styrene

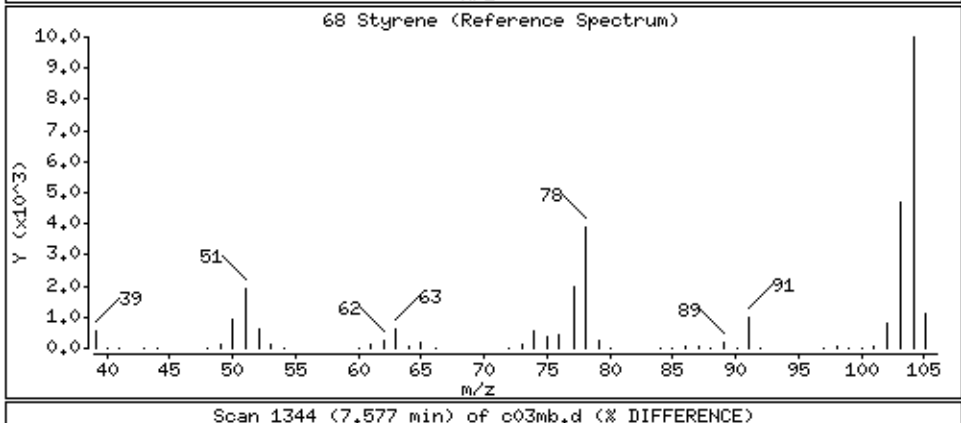
Concentration: 0.133 ppb

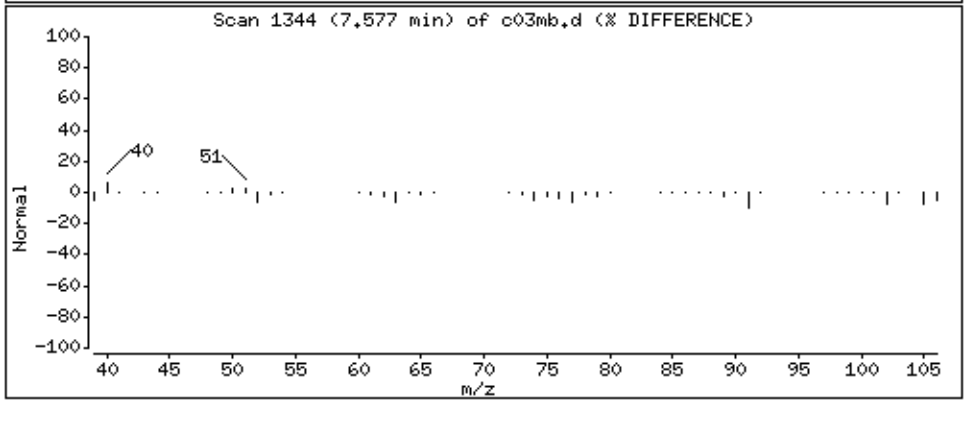












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

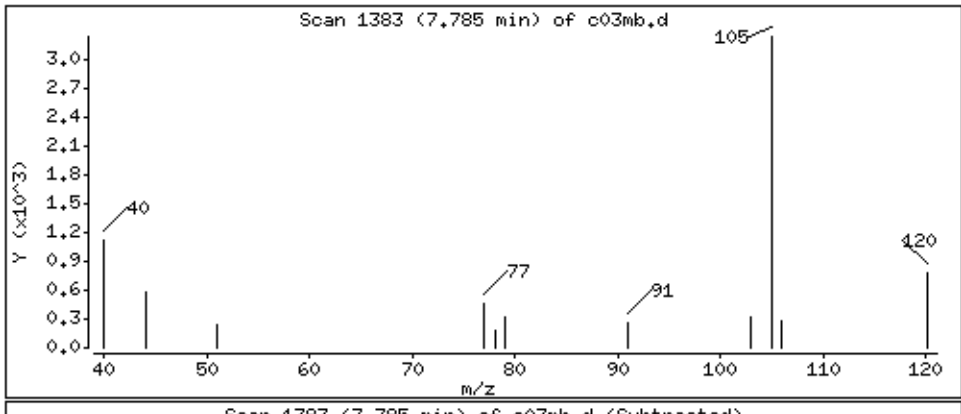
Operator: ala

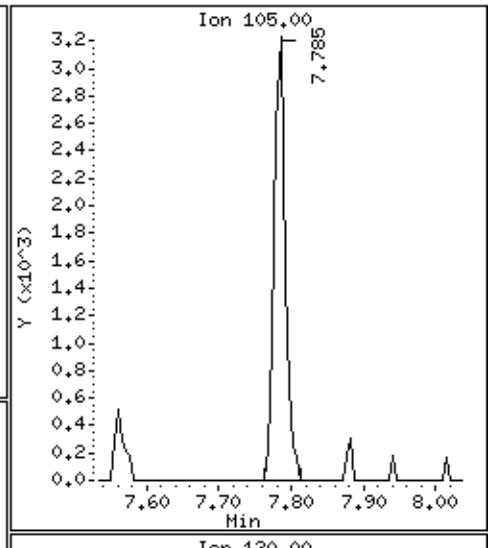
Column phase: DB-624

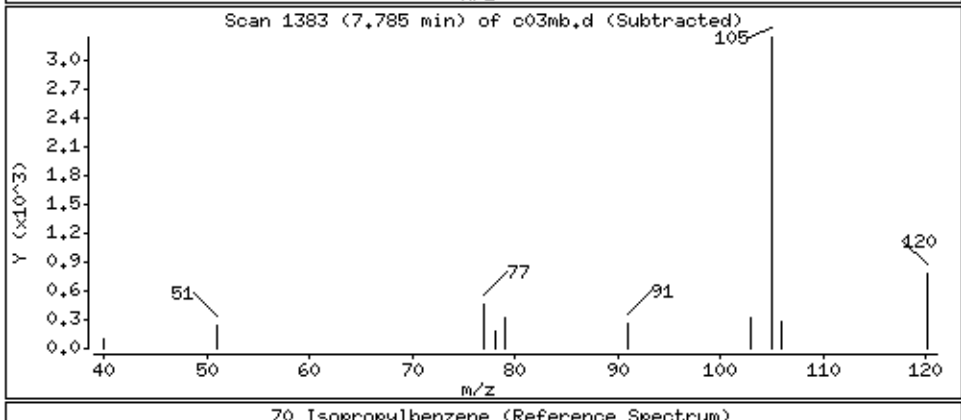
Column diameter: 0.18

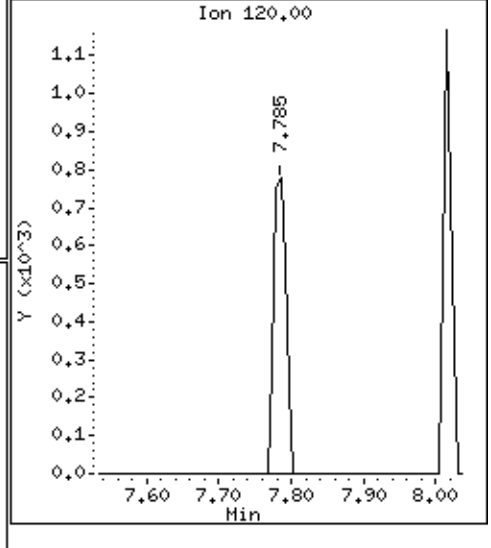
70 Isopropylbenzene

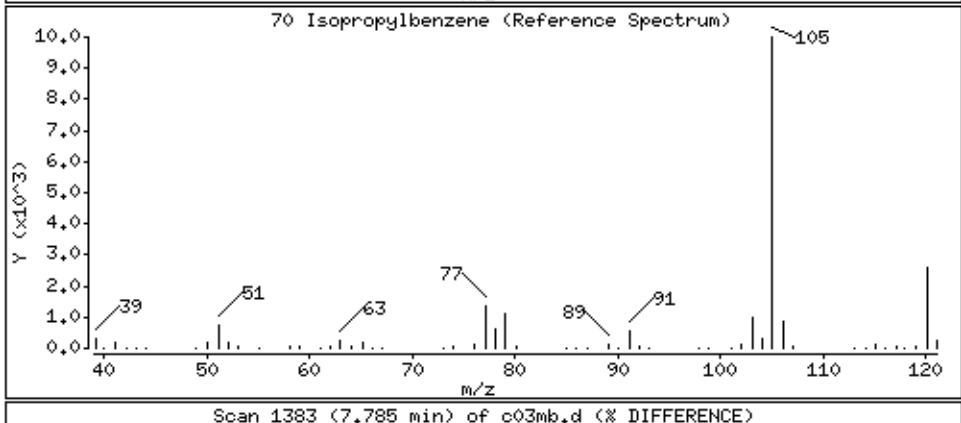
Concentration: 0.181 ppb

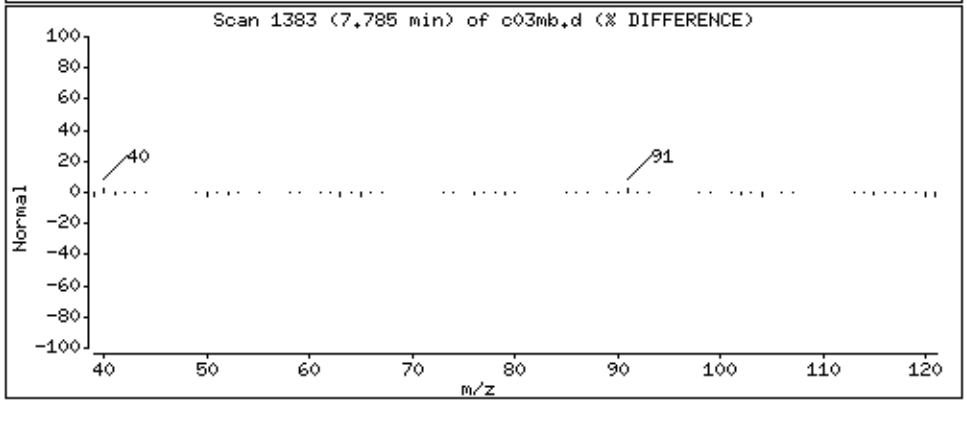












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

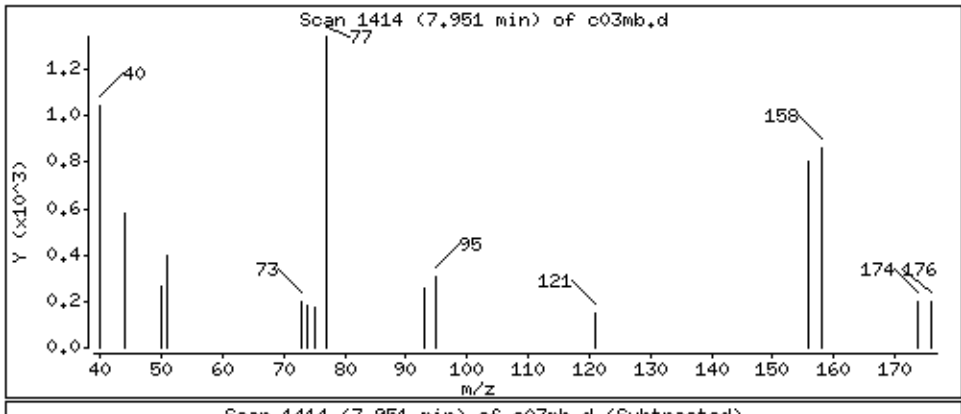
Operator: ala

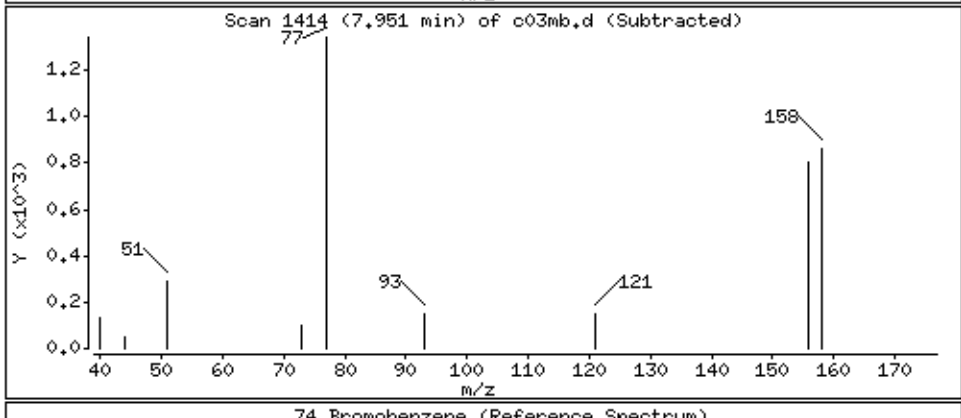
Column phase: DB-624

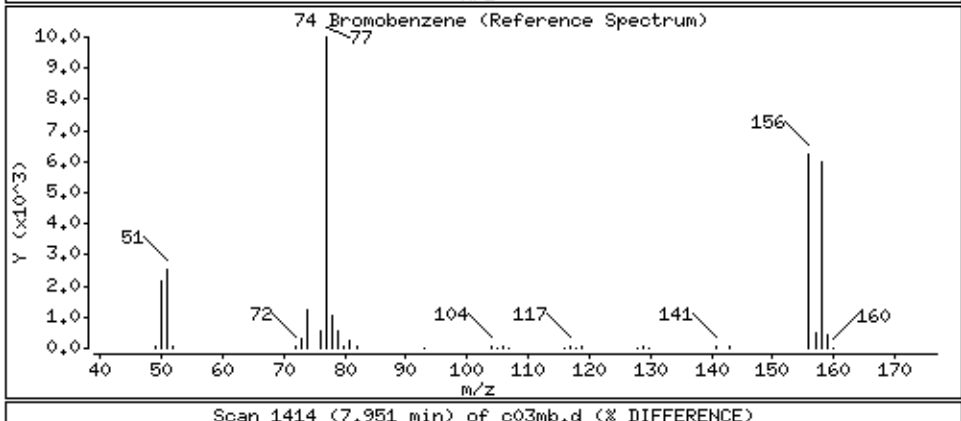
Column diameter: 0.18

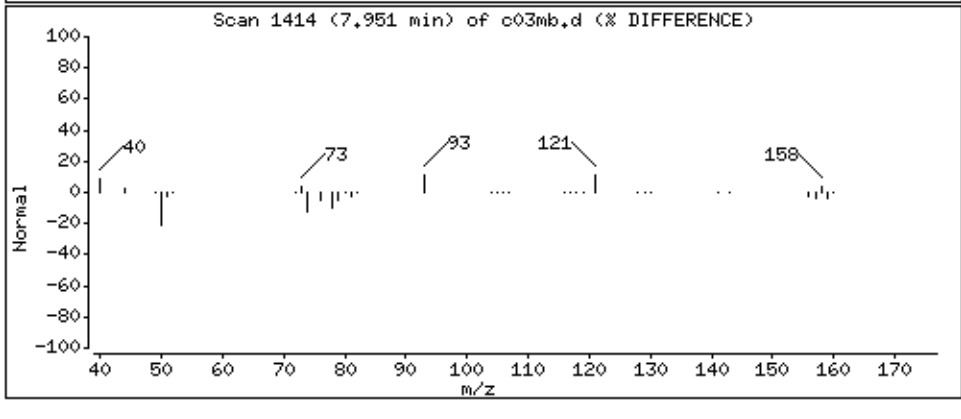
74 Bromobenzene

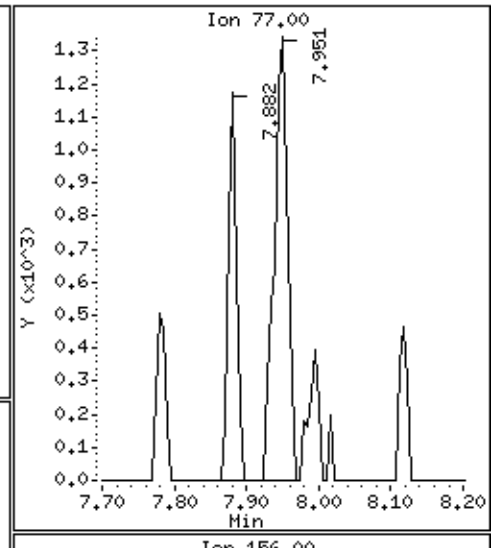
Concentration: 0.268 ppb

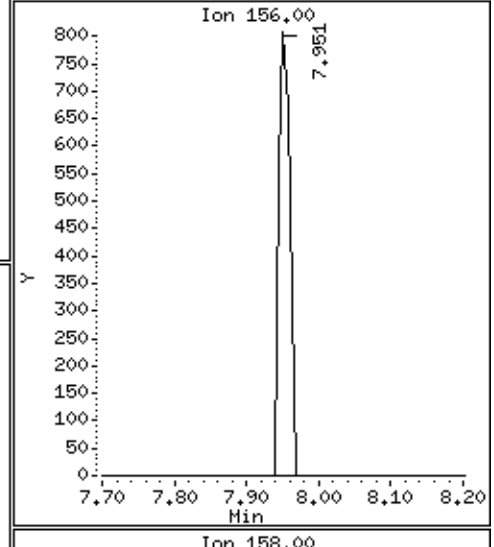


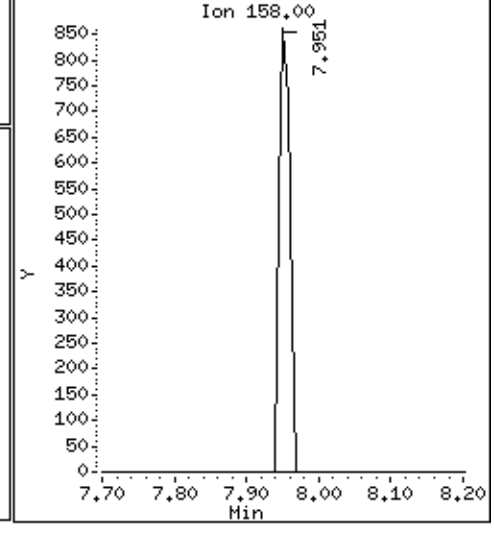












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

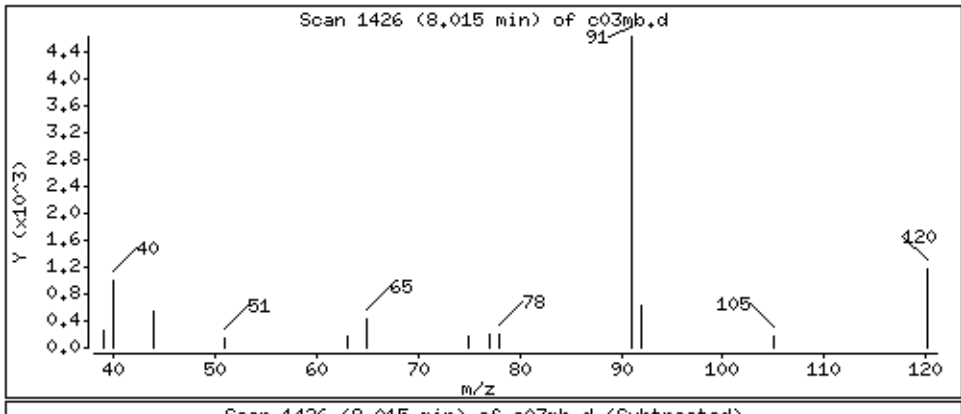
Operator: ala

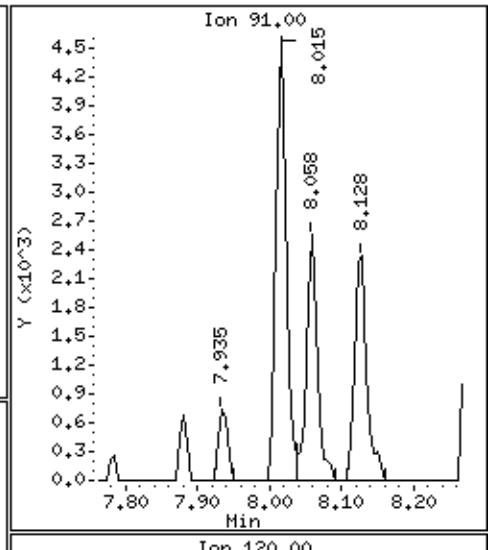
Column phase: DB-624

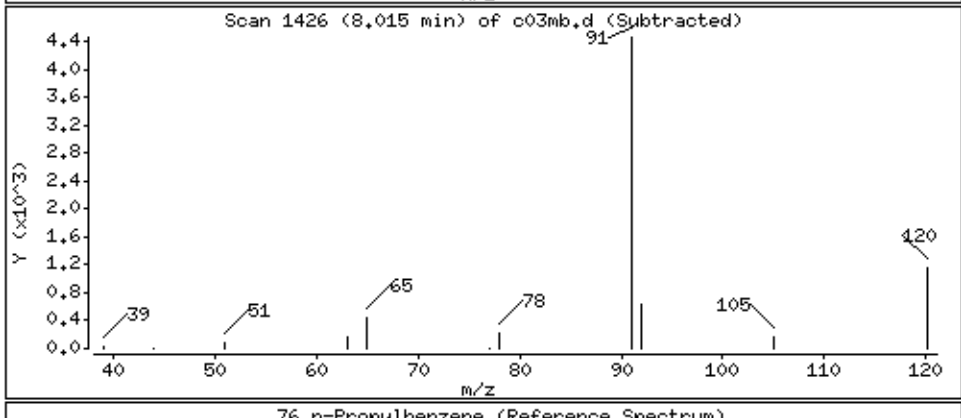
Column diameter: 0.18

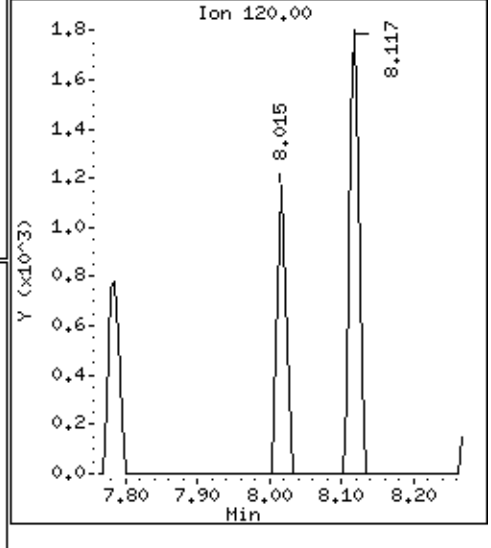
76 n-Propylbenzene

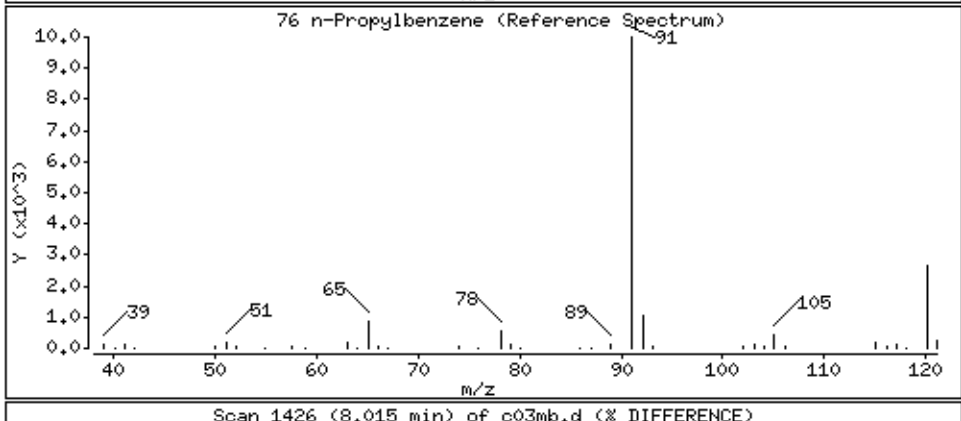
Concentration: 0.178 ppb

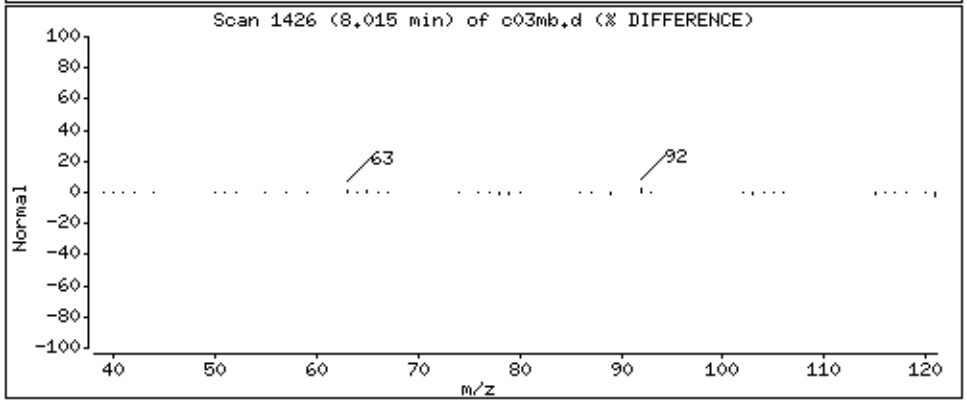












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

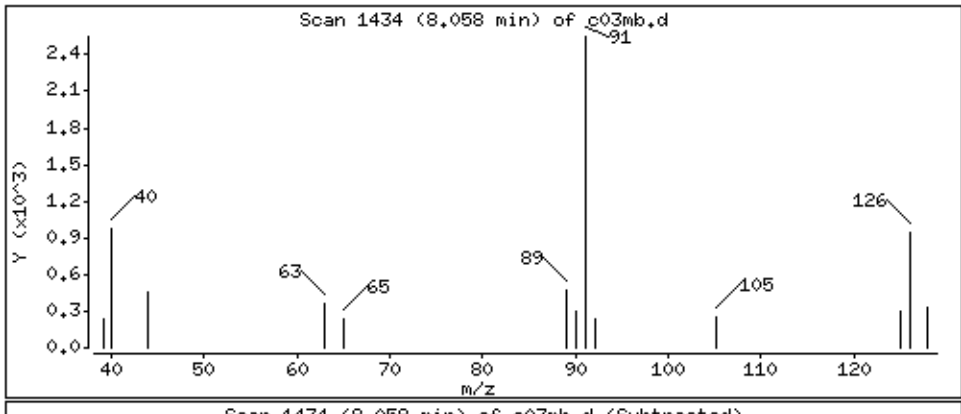
Operator: ala

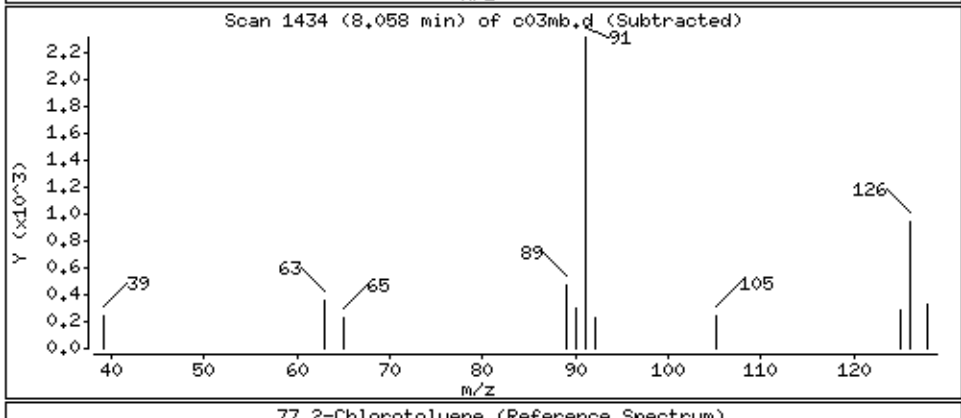
Column phase: DB-624

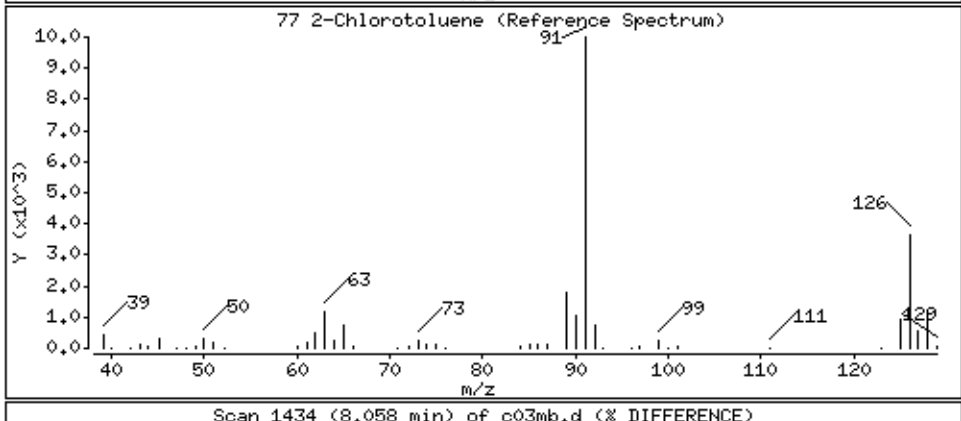
Column diameter: 0.18

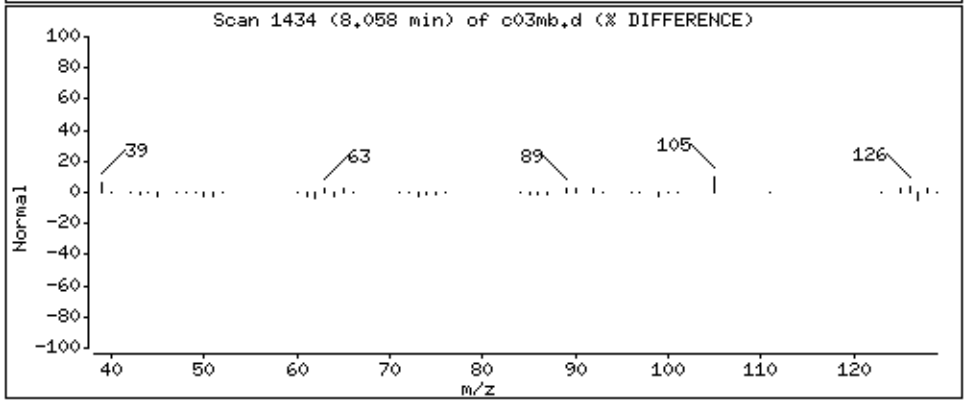
77 2-Chlorotoluene

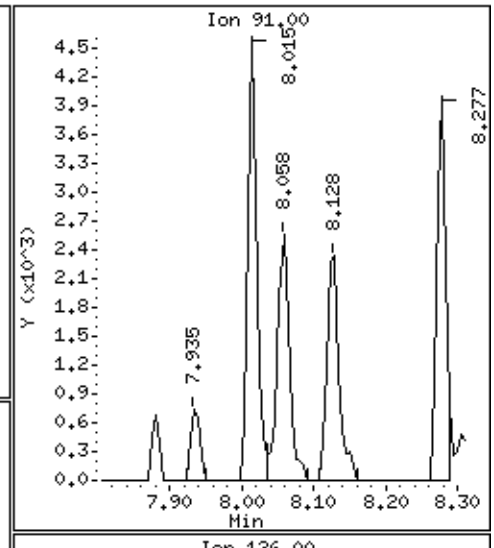
Concentration: 0.192 ppb

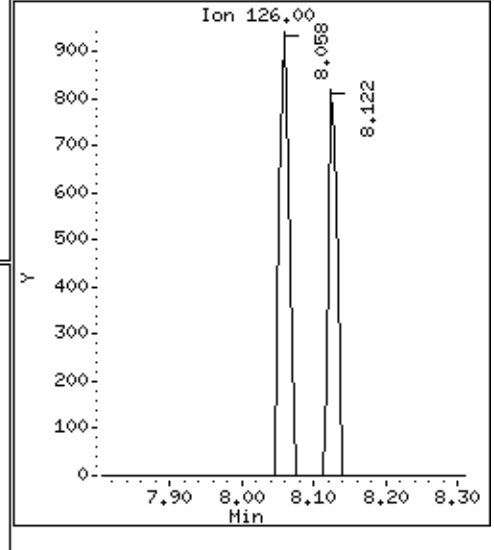












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

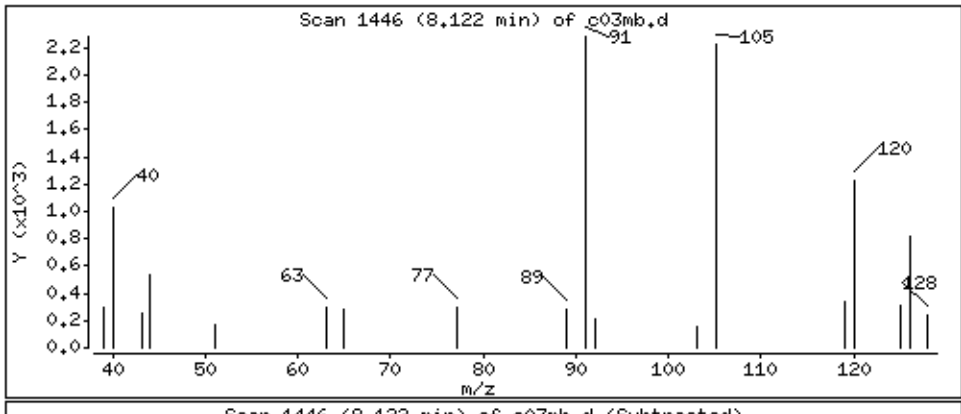
Operator: ala

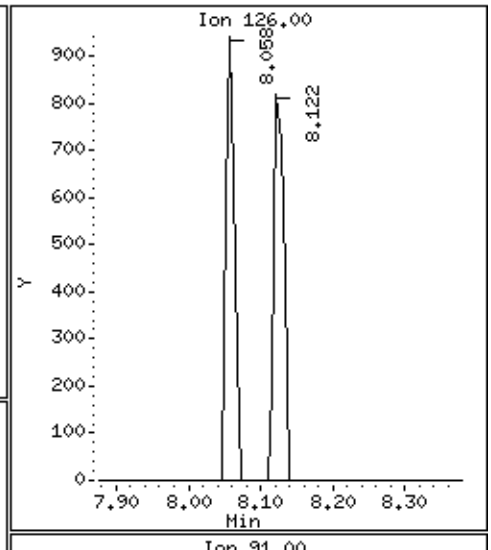
Column phase: DB-624

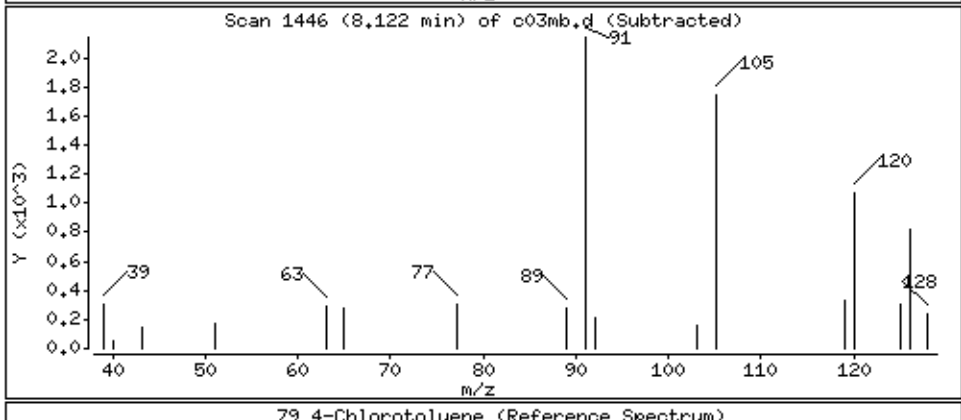
Column diameter: 0.18

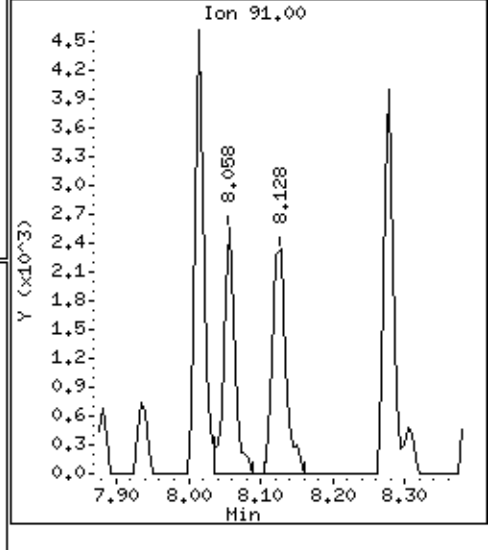
79 4-Chlorotoluene

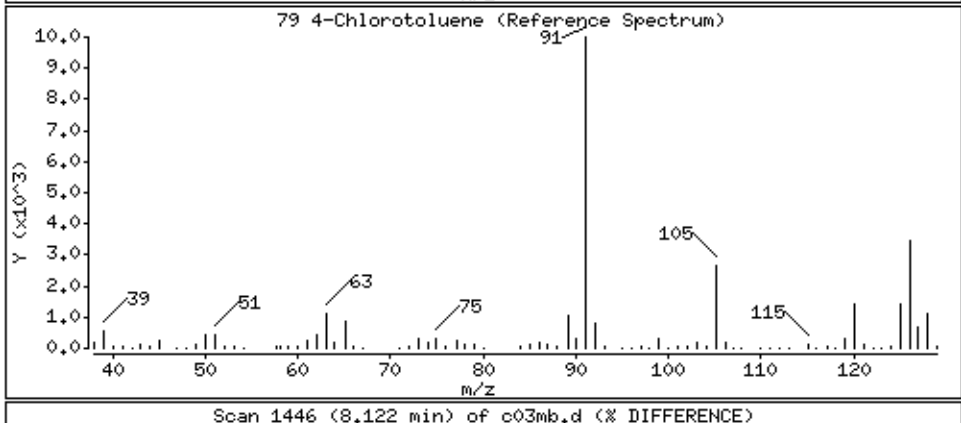
Concentration: 0.128 ppb

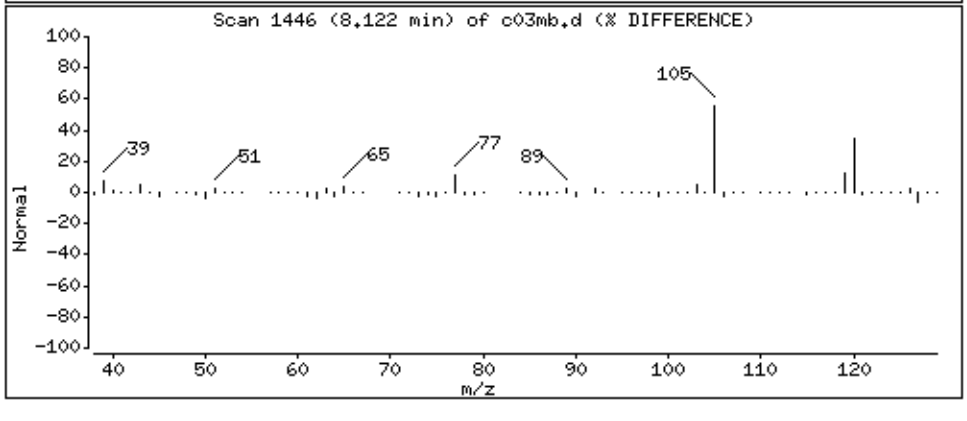












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

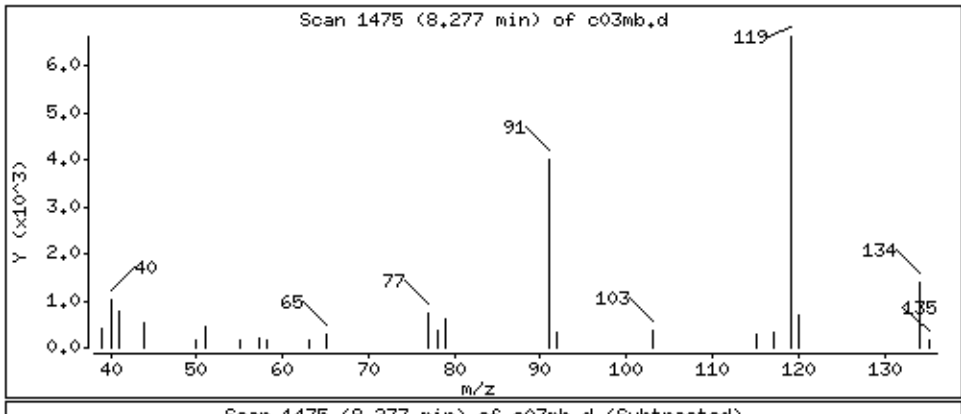
Operator: ala

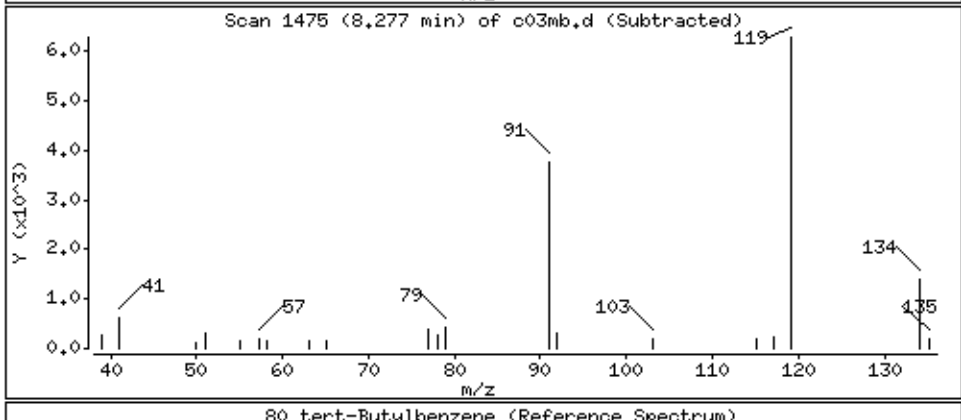
Column phase: DB-624

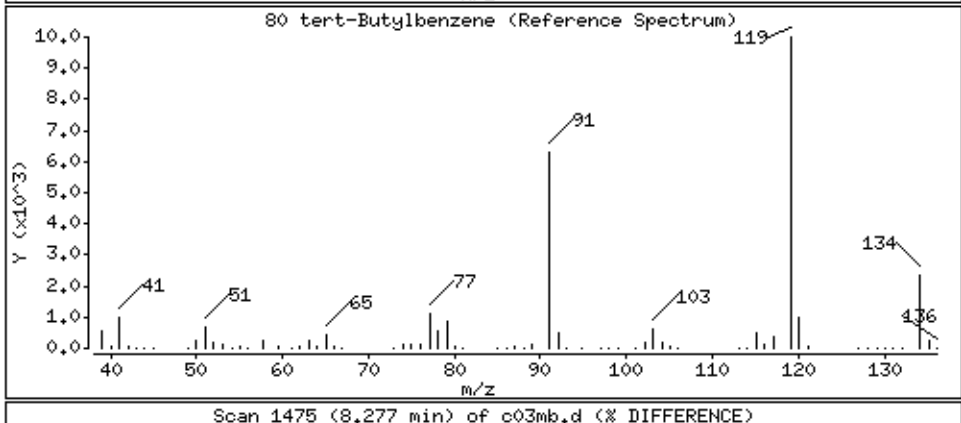
Column diameter: 0.18

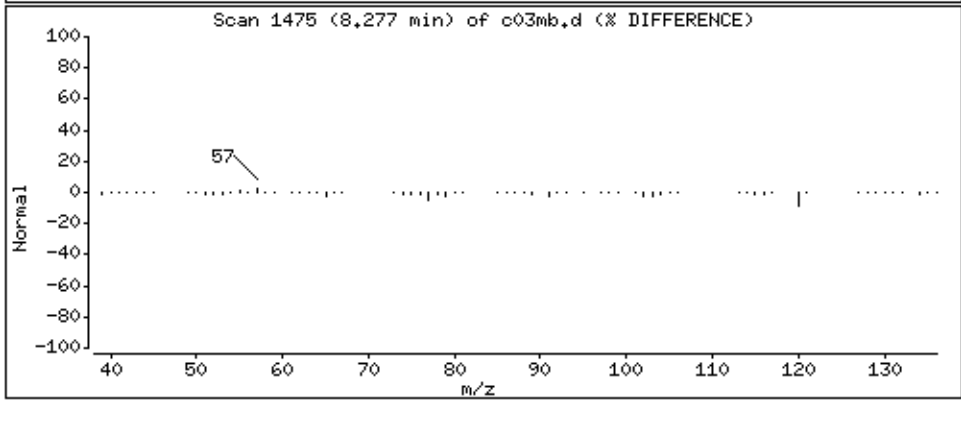
80 tert-Butylbenzene

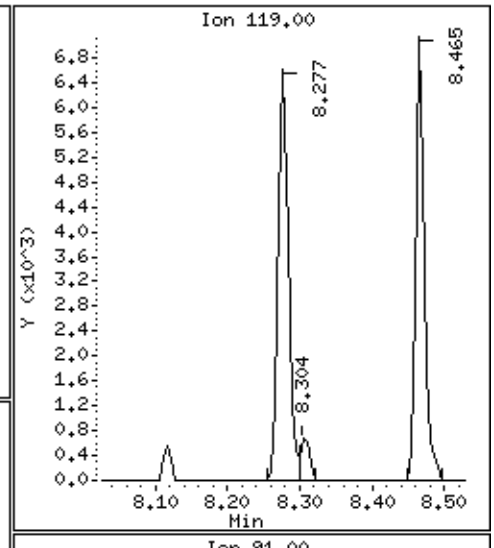
Concentration: 0.917 ppb

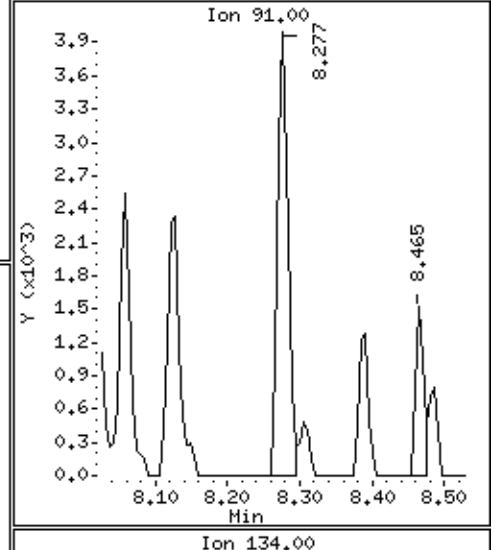


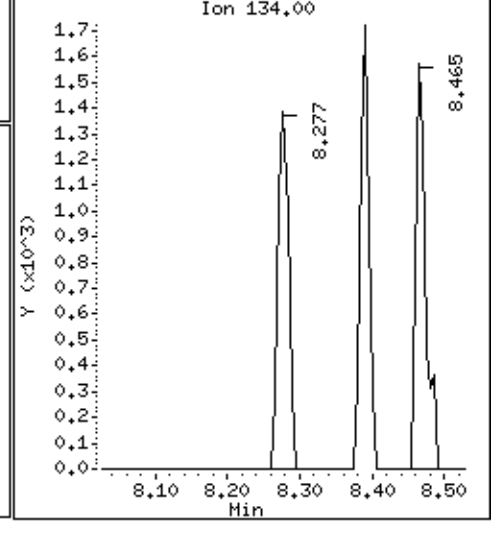












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Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

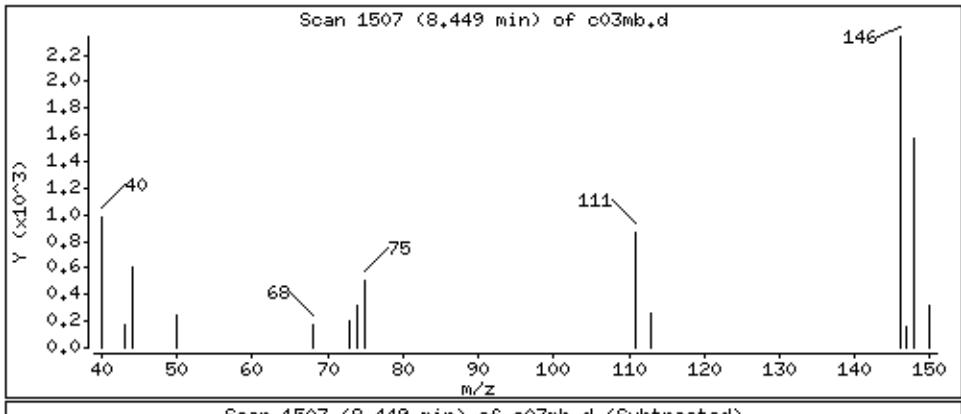
Operator: ala

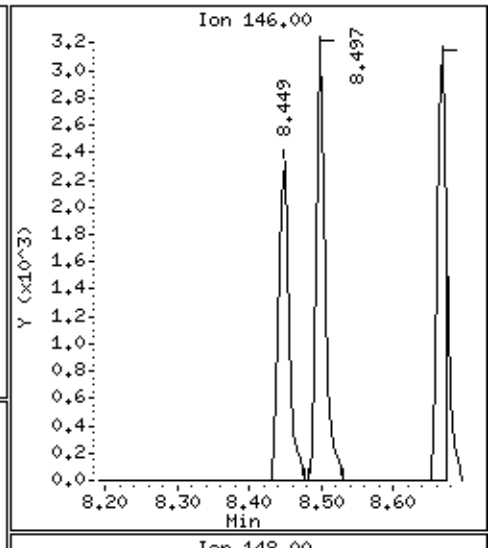
Column phase: DB-624

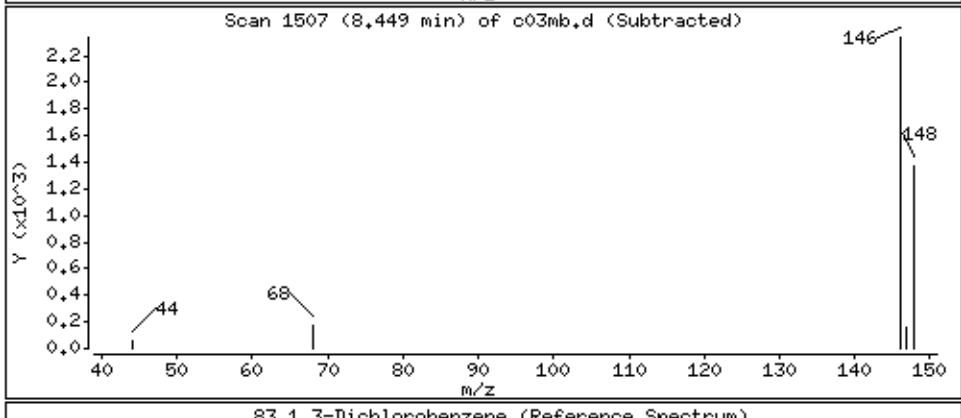
Column diameter: 0.18

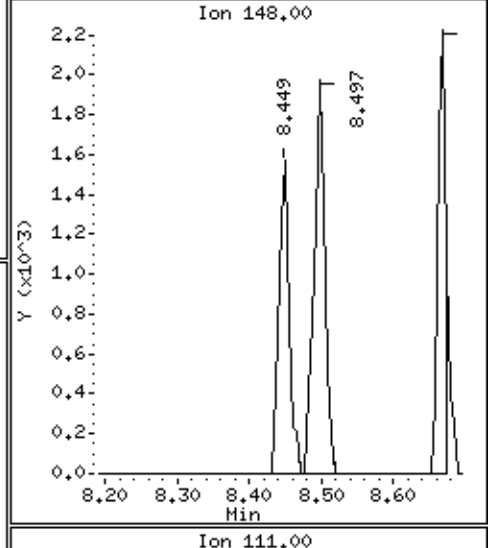
83 1,3-Dichlorobenzene

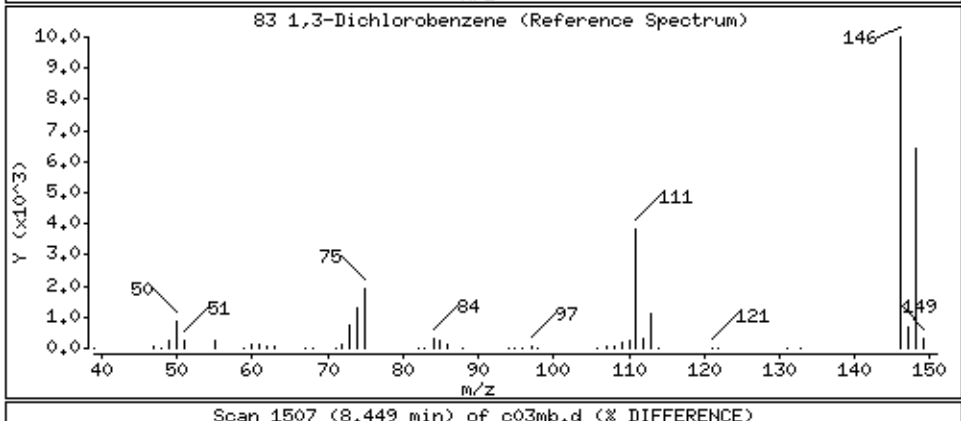
Concentration: 0.222 ppb

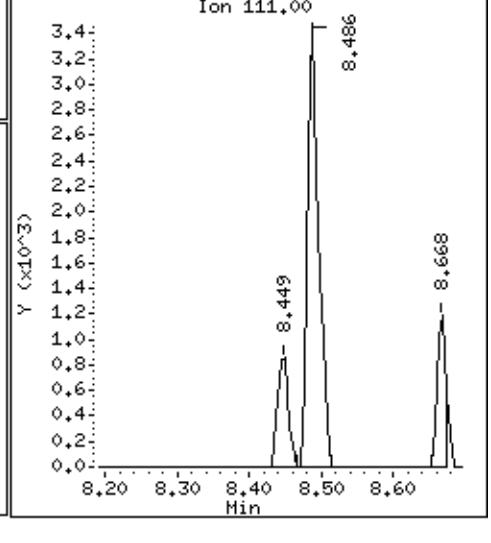


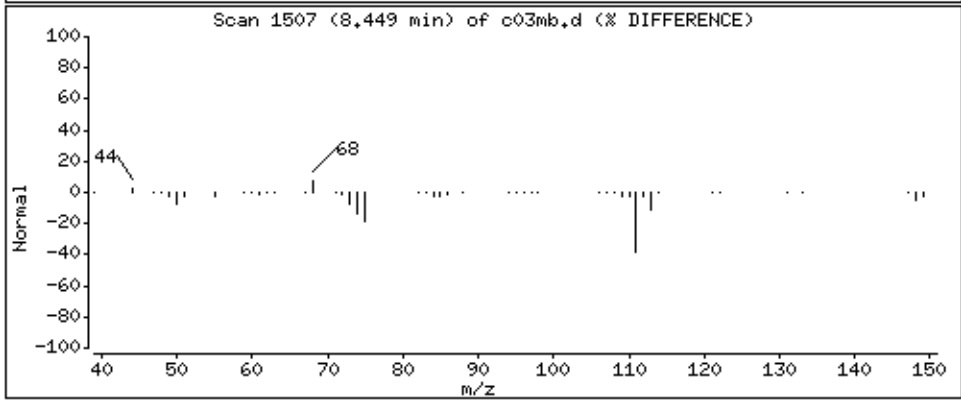












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

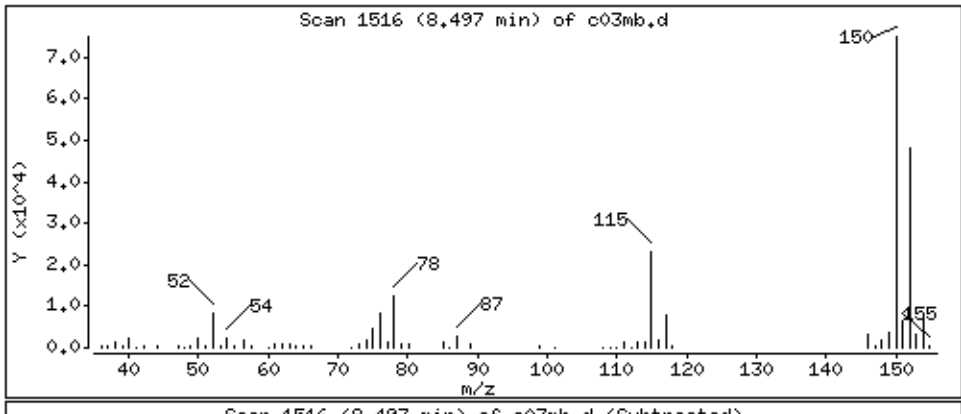
Operator: ala

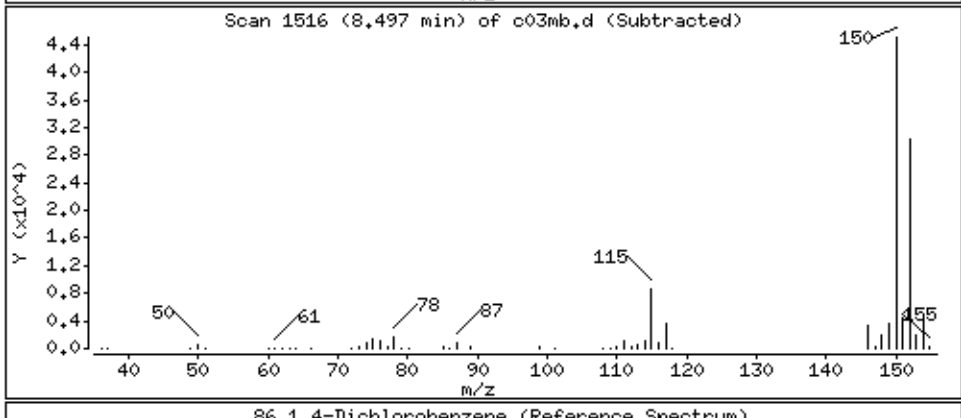
Column phase: DB-624

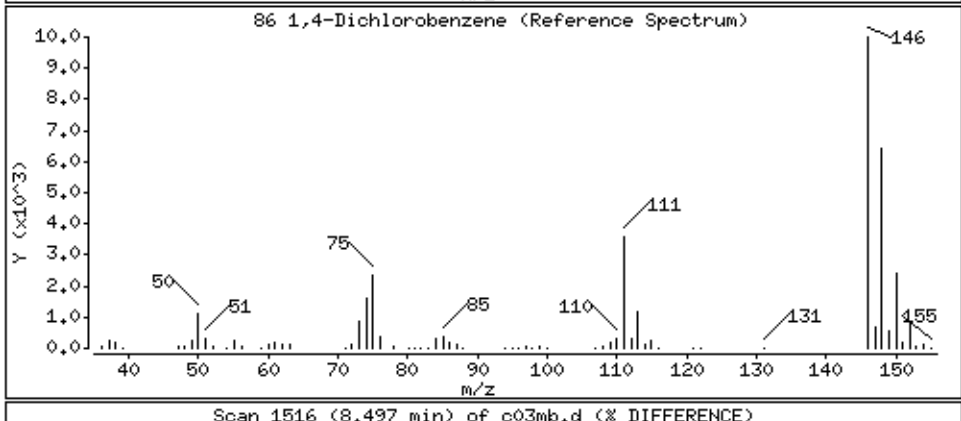
Column diameter: 0.18

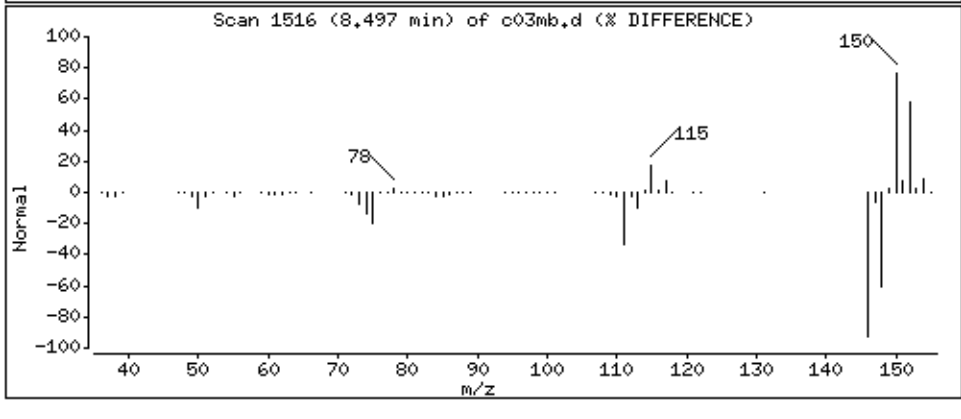
86 1,4-Dichlorobenzene

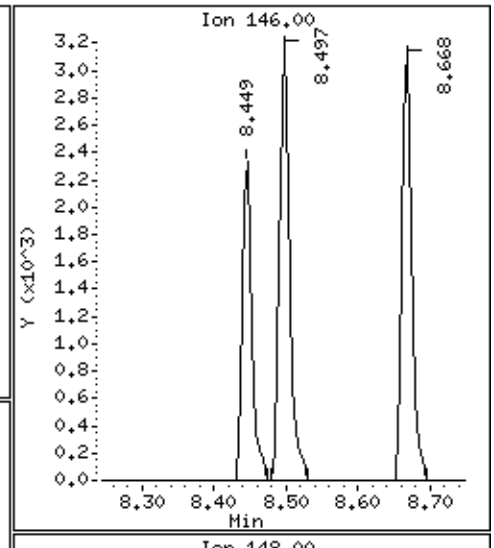
Concentration: 0.266 ppb

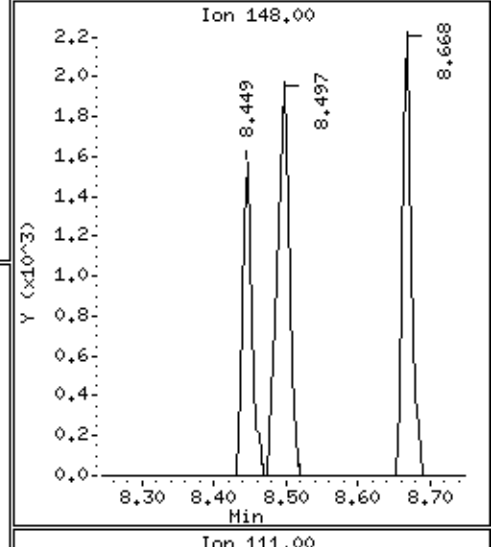


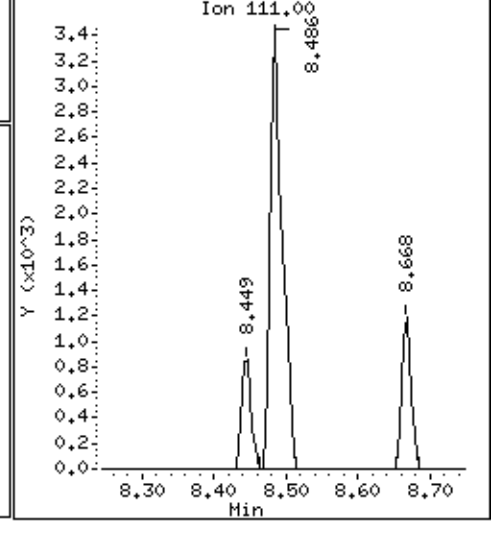












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c03mb.d

Date : 03-JUL-2014 04:02

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1122597

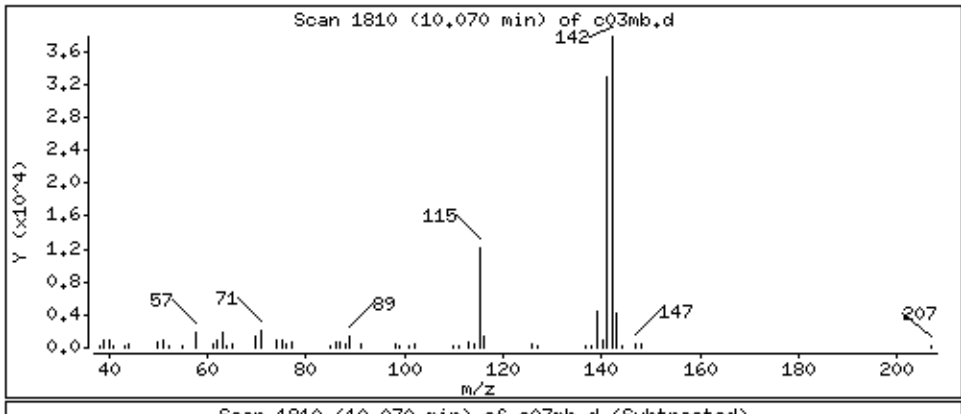
Operator: ala

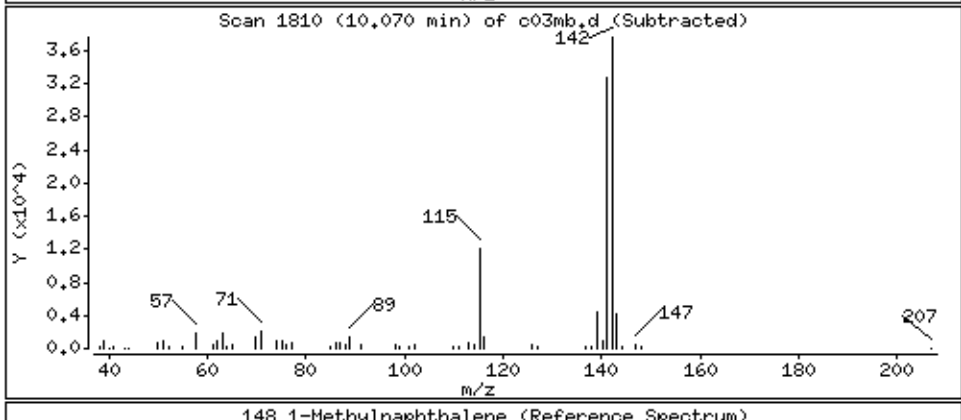
Column phase: DB-624

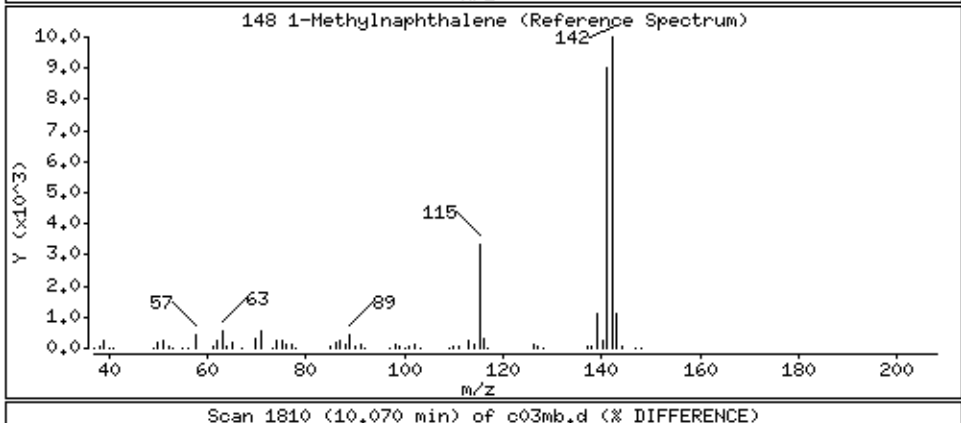
Column diameter: 0.18

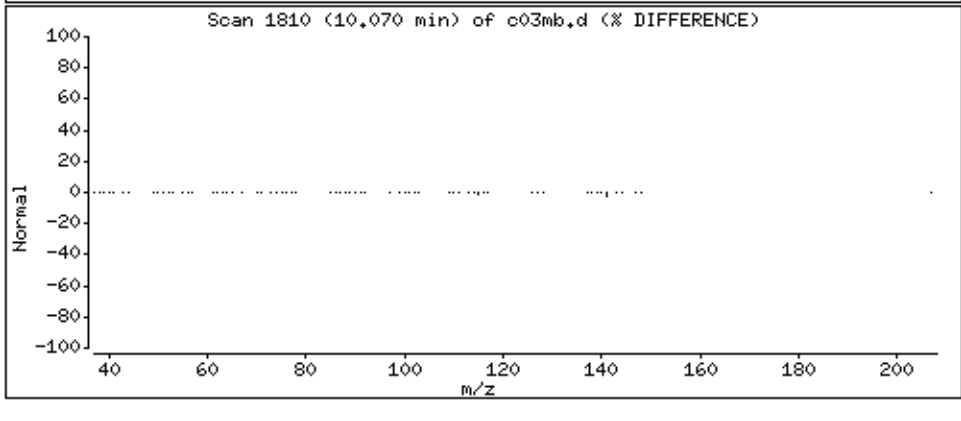
148 1-Methylnaphthalene

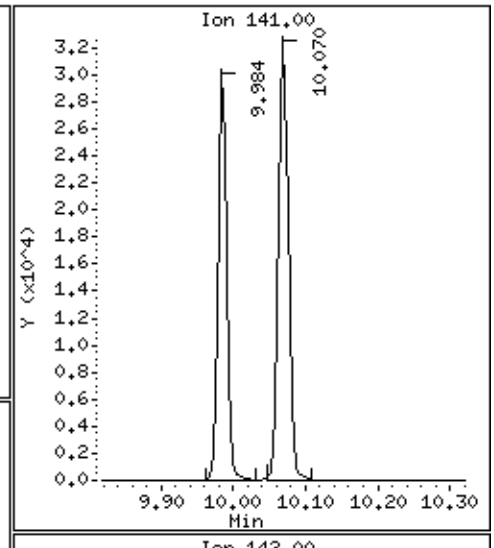
Concentration: 1.10 ppb

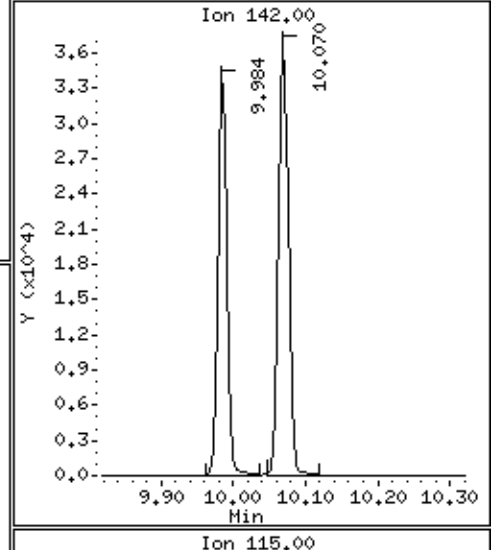


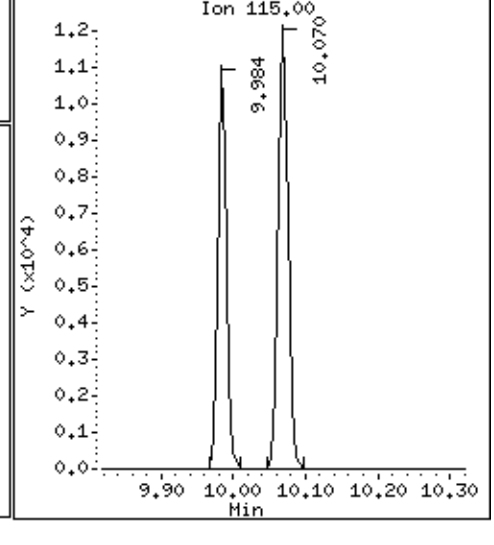












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Injection Date: 03-JUL-2014 04:02
Instrument: 50mv6b.i
Lab Sample ID: 1122597
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 22:23 Lab Sample ID: 1123194

Date Analyzed: 07/03/2014 22:23 Lab File ID: B070314CAL.B\A12MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 22:23 Lab Sample ID: 1123194

Date Analyzed: 07/03/2014 22:23 Lab File ID: B070314CAL.B\A12MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a12mb.d
Lab Smp Id: 1123194 Client Smp ID: MB
Inj Date : 03-JUL-2014 22:23
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1123194
Misc Info : 66492
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 13 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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
9	Acrolein	56	1.536	1.531	(0.378)	868	3.72541	3.72
19	Acrylonitrile	53	1.980	1.980	(0.487)	3556	3.19863	3.20
$ 33	Dibromofluoromethane (S)	113	3.259	3.254	(0.801)	143296	56.1558	56.2
* 41	Fluorobenzene	96	4.067	4.067	(1.000)	492721	50.0000	
50	4-Methyl-2-Pentanone	43	5.779	5.773	(0.810)	4140	2.15164	2.15
$ 51	Toluene-d8	98	5.864	5.859	(0.822)	452311	46.7734	46.8
52	Toluene	91	5.929	5.928	(0.831)	2785	0.18769	0.188
* 61	Chlorobenzene-d5	117	7.132	7.132	(1.000)	410343	50.0000	
62	Chlorobenzene	112	7.154	7.154	(1.003)	2180	0.21575	0.216(Q)
64	Ethylbenzene	106	7.229	7.228	(1.014)	1101	0.21178	0.212(Q)
65	m&p-Xylene	106	7.325	7.325	(1.027)	2941	0.44478	0.445
68	Styrene	104	7.576	7.576	(1.062)	2430	0.24311	0.243
$ 72	4-Bromofluorobenzene	95	7.881	7.881	(1.105)	174182	53.0839	53.1
76	n-Propylbenzene	91	8.015	8.015	(0.945)	7549	0.37530	0.375
77	2-Chlorotoluene	91	8.058	8.058	(0.950)	5020	0.40304	0.403
78	1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	7628	3.40480	3.40
79	4-Chlorotoluene	126	8.127	8.127	(0.958)	1400	0.29215	0.292(Q)
81	1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	8123	3.18280	3.18
82	sec-Butylbenzene	105	8.384	8.389	(0.988)	14975	4.20239	4.20
83	1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	4143	0.47526	0.475
84	p-Isopropyltoluene	119	8.464	8.464	(0.997)	11433	3.79753	3.80

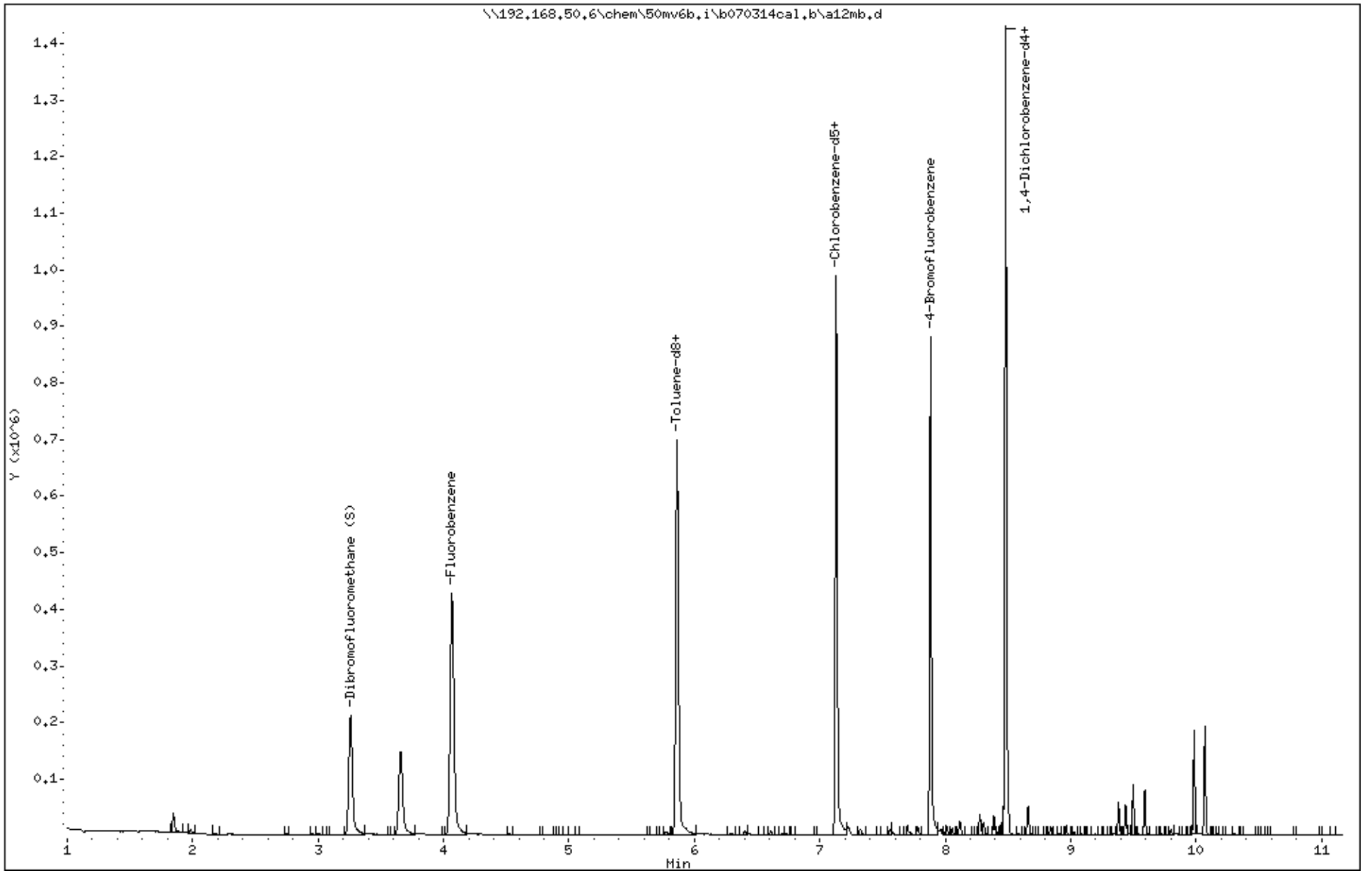
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	234651	50.0000	(Q)
86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	4486	0.48597	0.486(Q)
87 n-Butylbenzene	91	8.657	8.662	(1.020)	10774	1.24544	1.24
89 1,2-Dibromo-3-chloropropane	155	9.031	9.031	(1.064)	533	3.47245	3.47
91 Hexachlorobutadiene	225	9.443	9.443	(1.113)	4710	2.39058	2.39
94 2,methyl-naphthalene	142	9.984	9.984	(1.177)	48975	10.1422	10.1
148 1-Methylnaphthalene	141	10.069	10.069	(1.187)	43795	11.4570	11.4

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a12mb.d
Date : 03-JUL-2014 22:23
Client ID: MB
Sample Info: 1123194

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

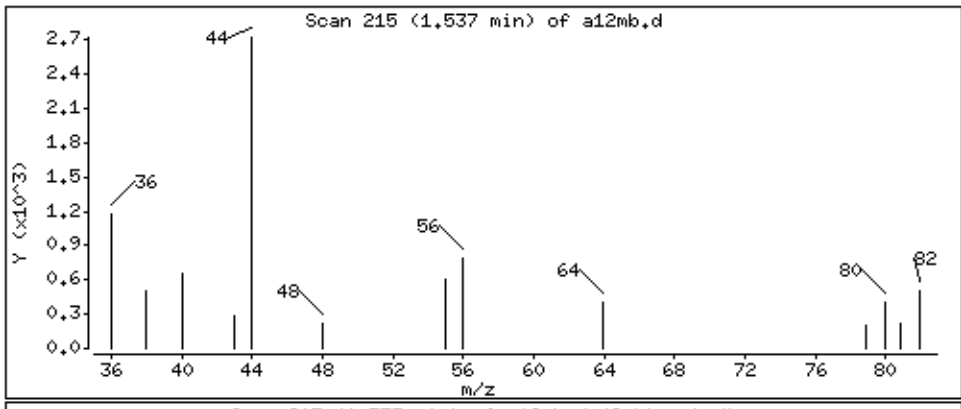
Operator: ala

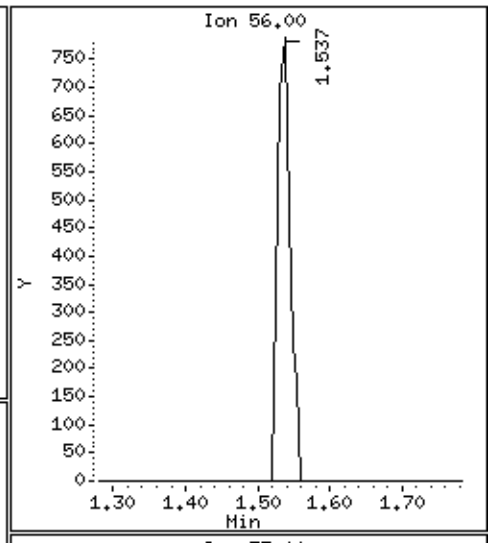
Column phase: DB-624

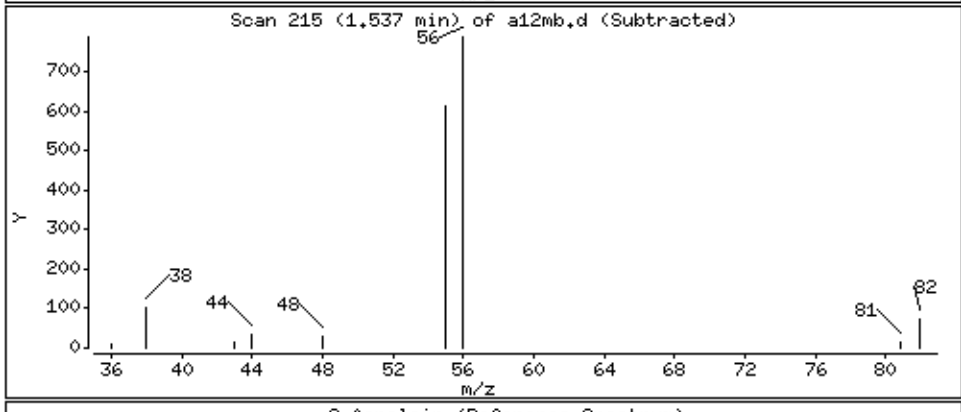
Column diameter: 0.18

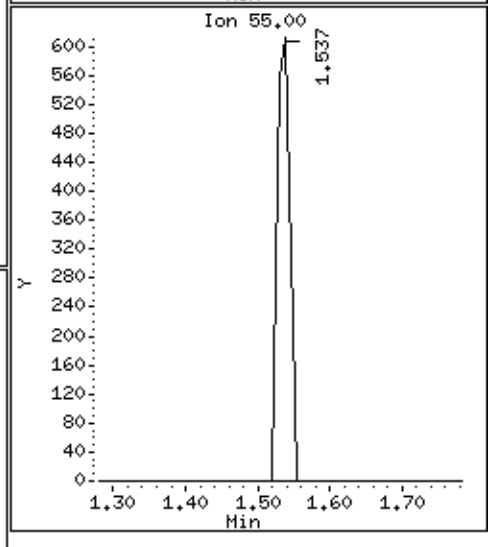
9 Acrolein

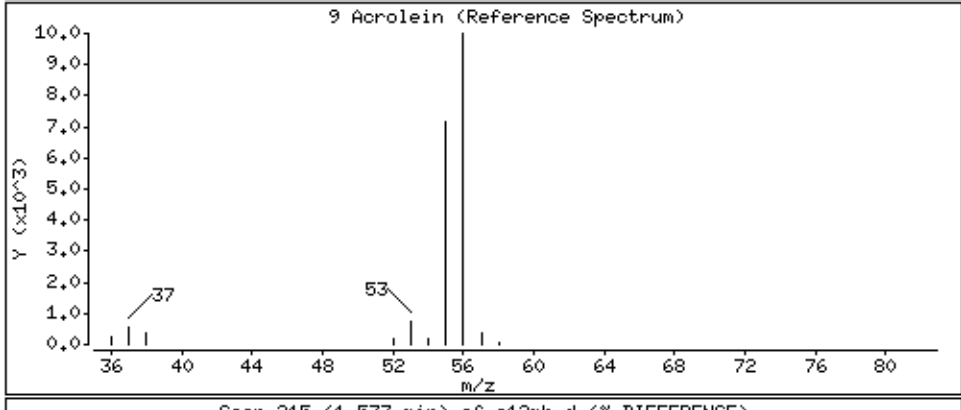
Concentration: 3.72 ppb

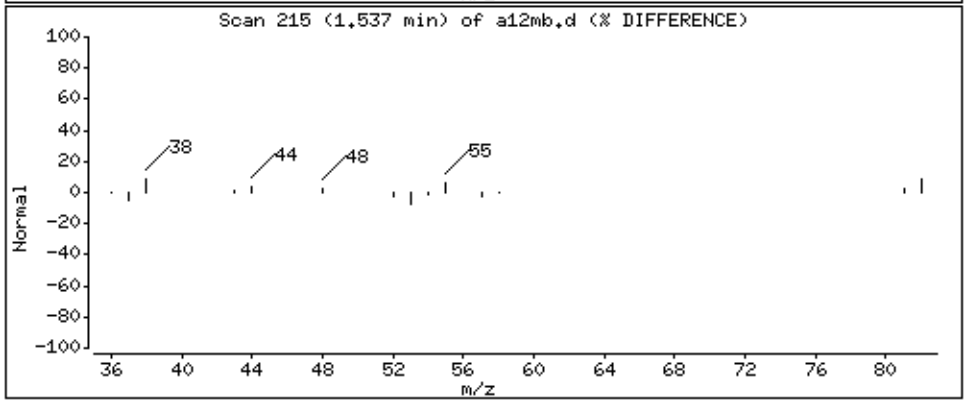












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

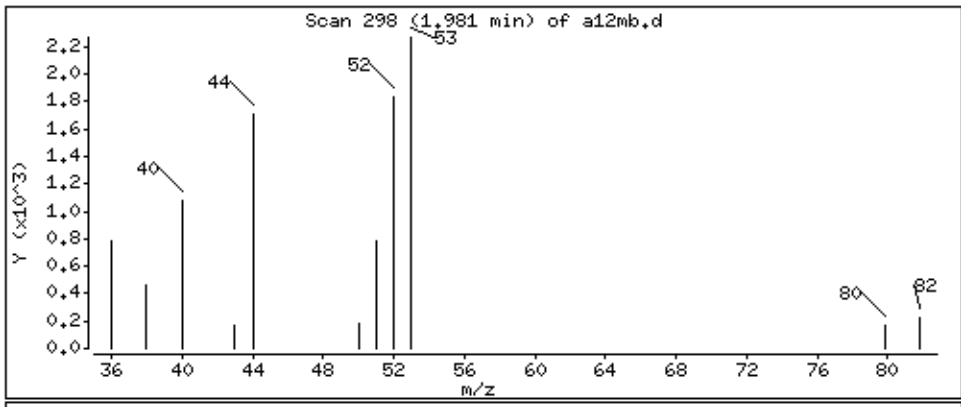
Operator: ala

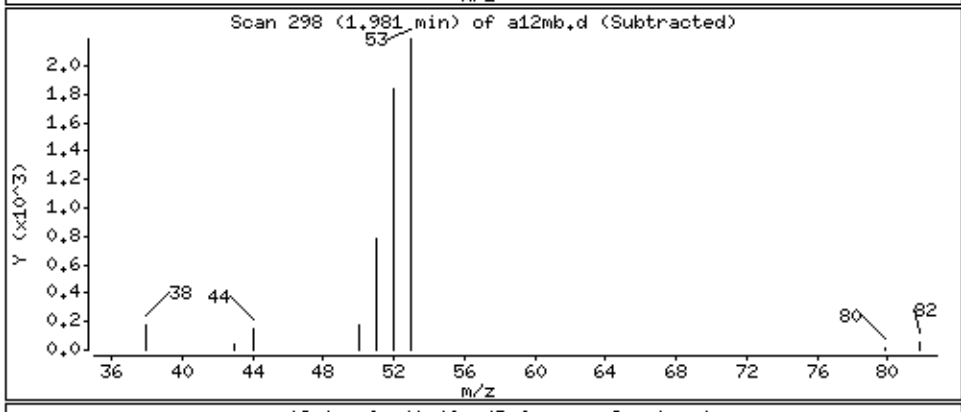
Column phase: DB-624

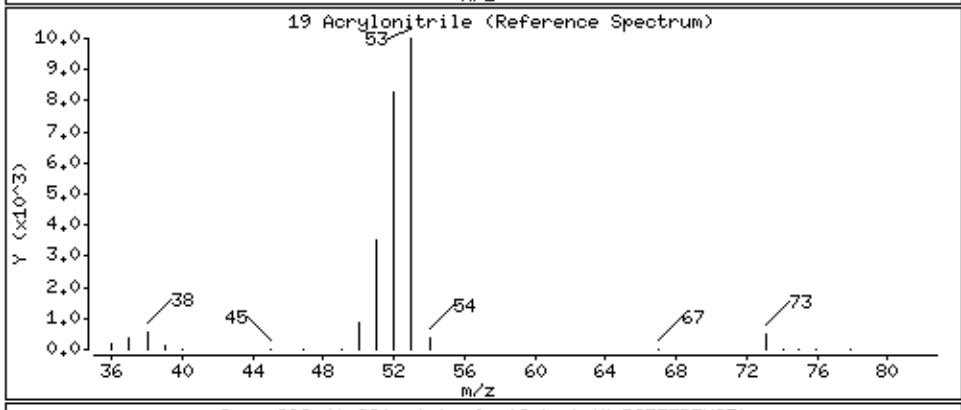
Column diameter: 0.18

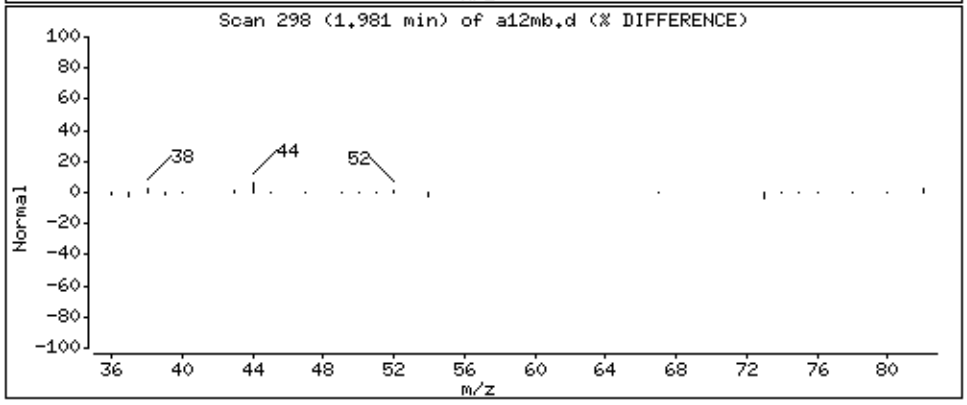
19 Acrylonitrile

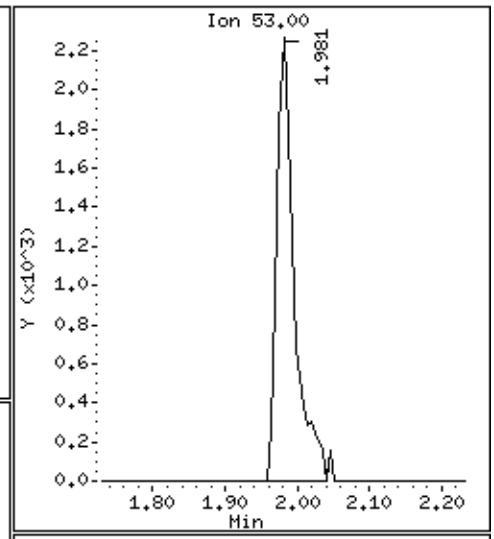
Concentration: 3.20 ppb

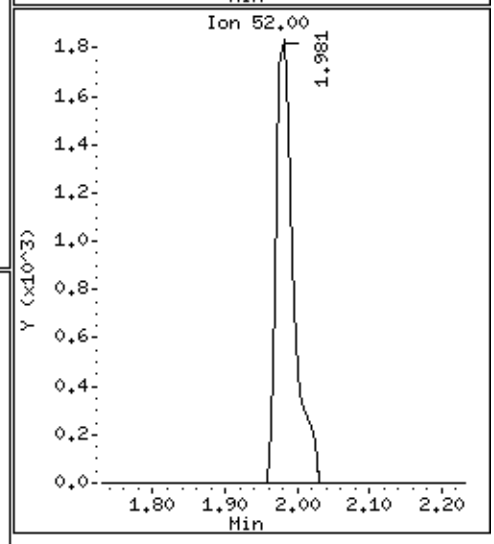












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

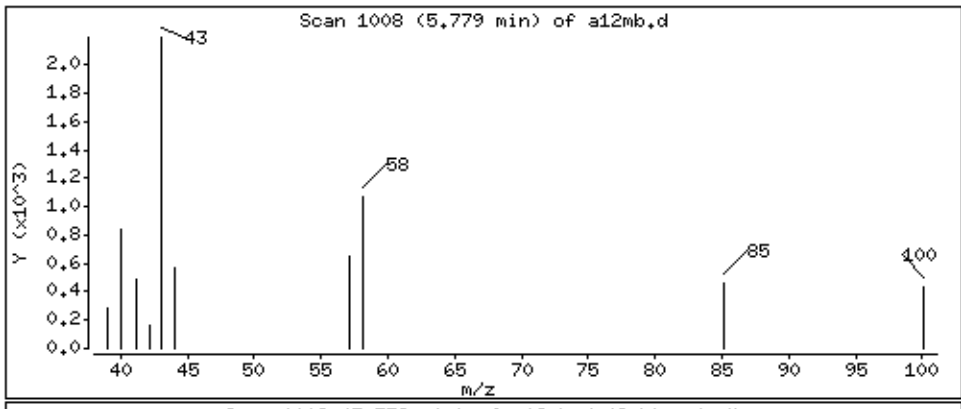
Operator: ala

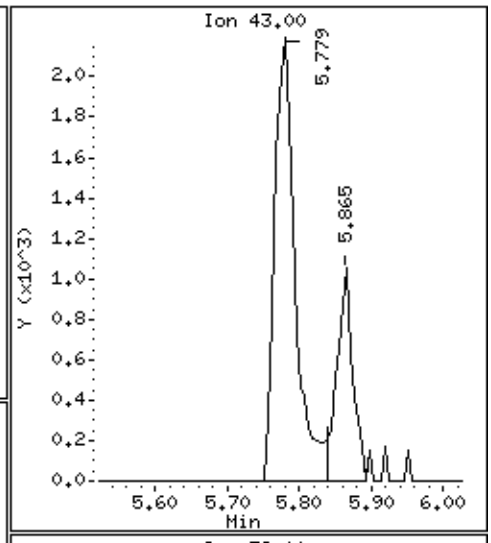
Column phase: DB-624

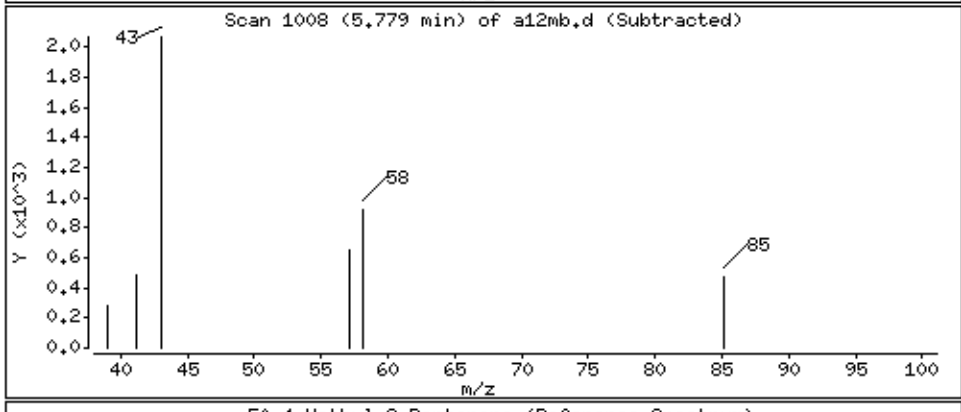
Column diameter: 0.18

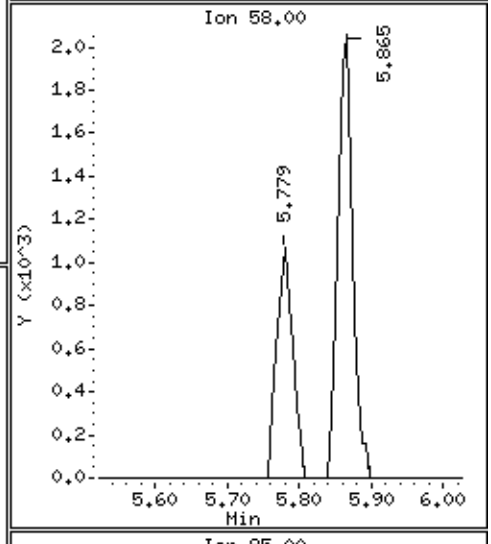
50 4-Methyl-2-Pentanone

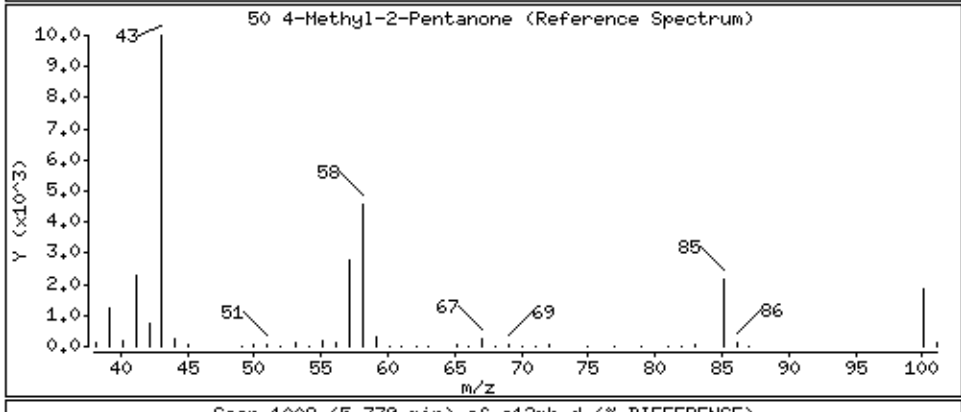
Concentration: 2.15 ppb

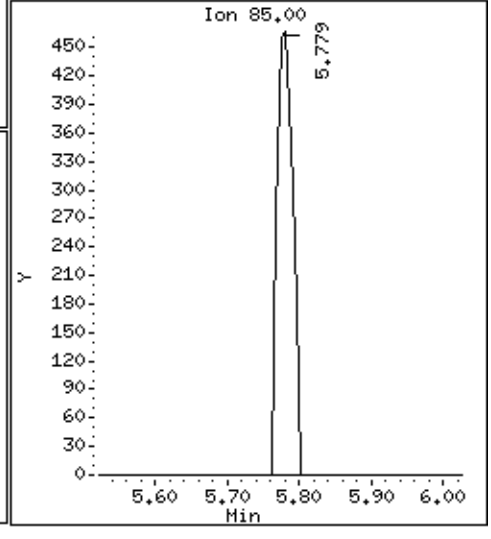


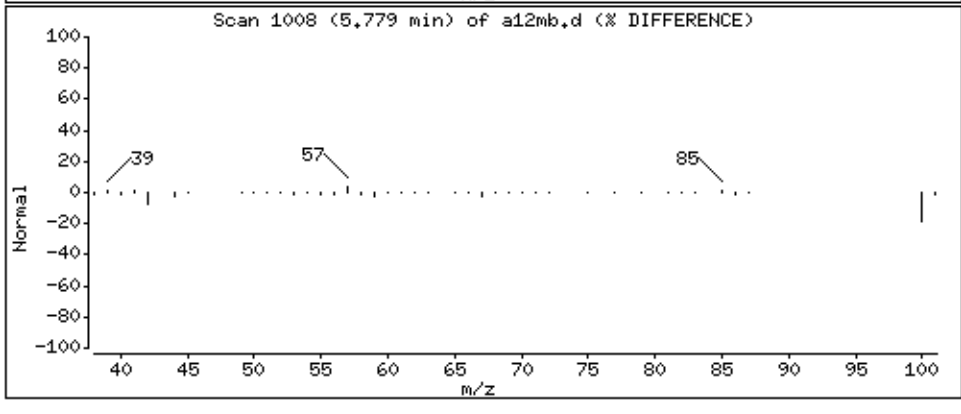












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

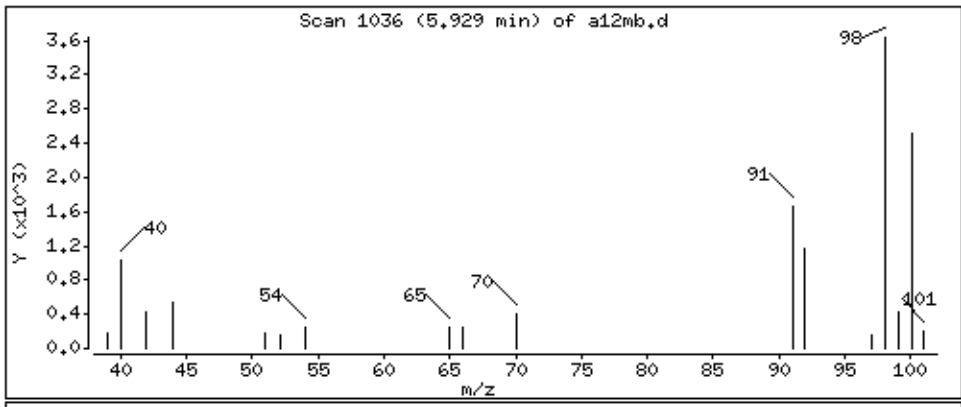
Operator: ala

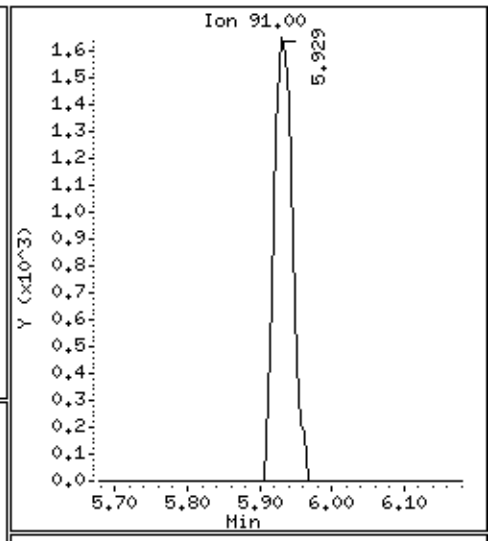
Column phase: DB-624

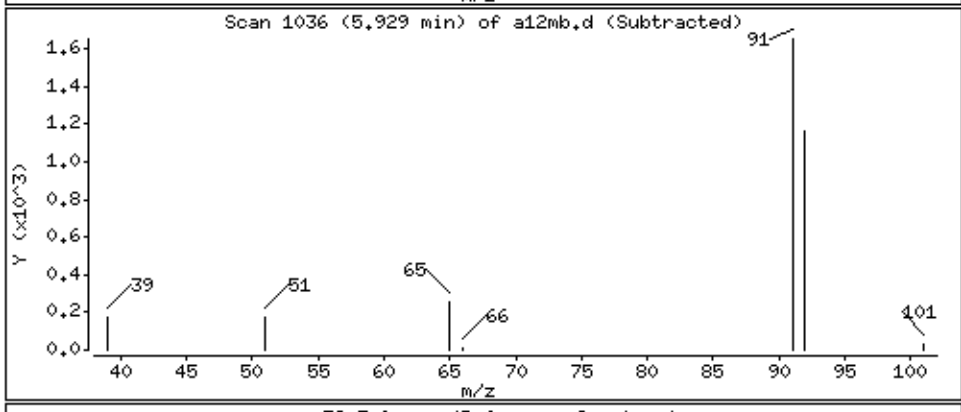
Column diameter: 0.18

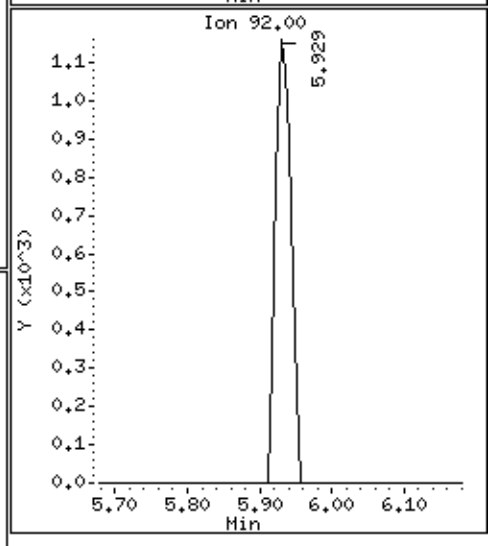
52 Toluene

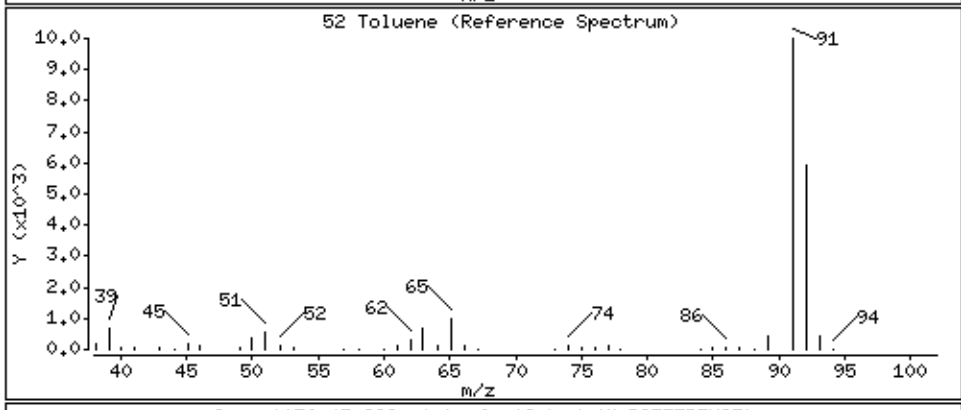
Concentration: 0.188 ppb

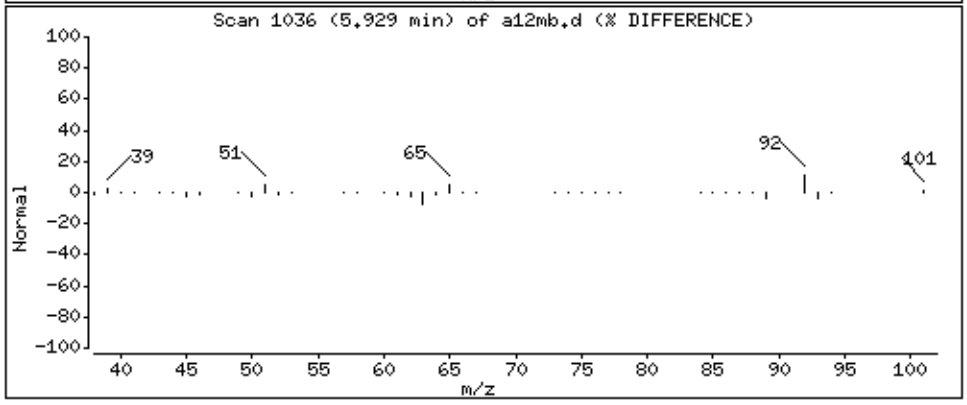












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a12mb.d

Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

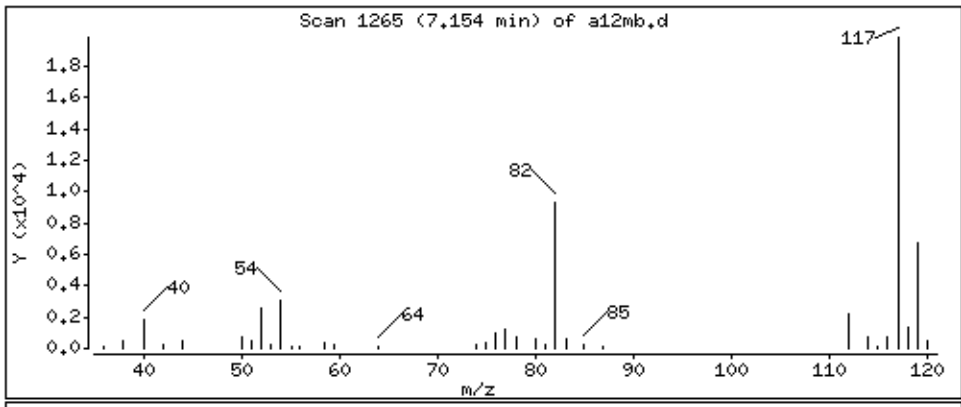
Operator: ala

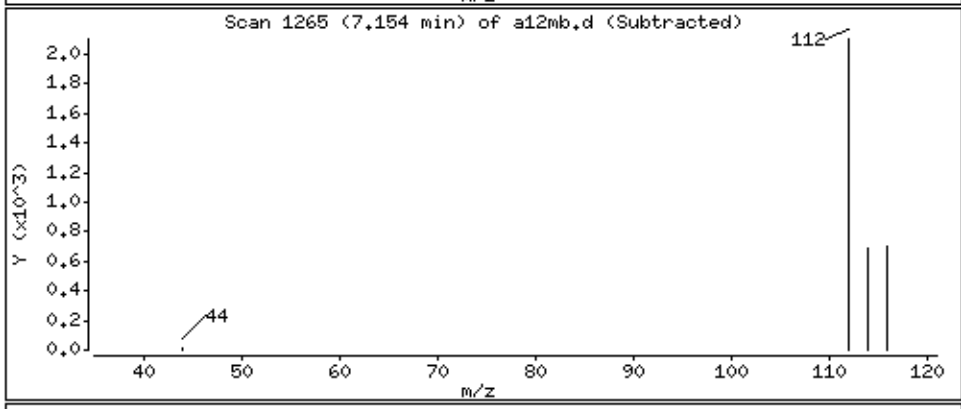
Column phase: DB-624

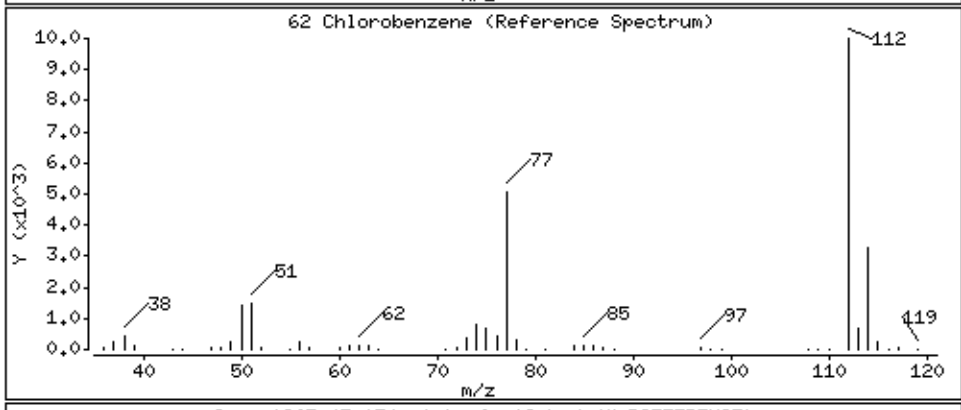
Column diameter: 0.18

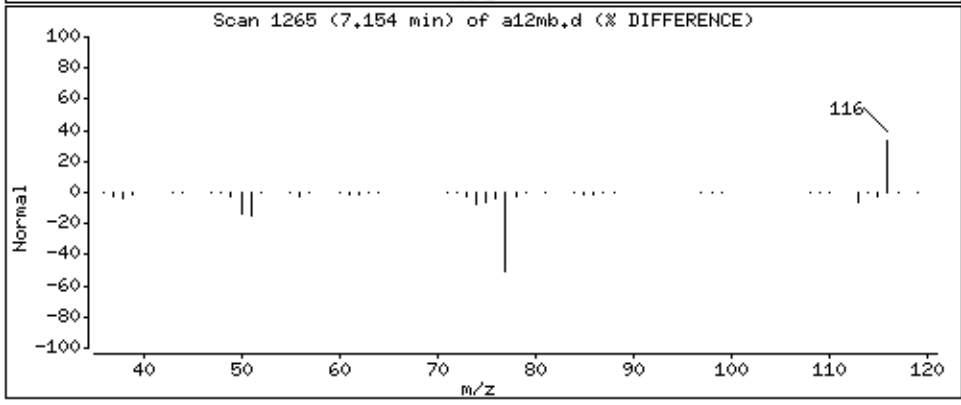
62 Chlorobenzene

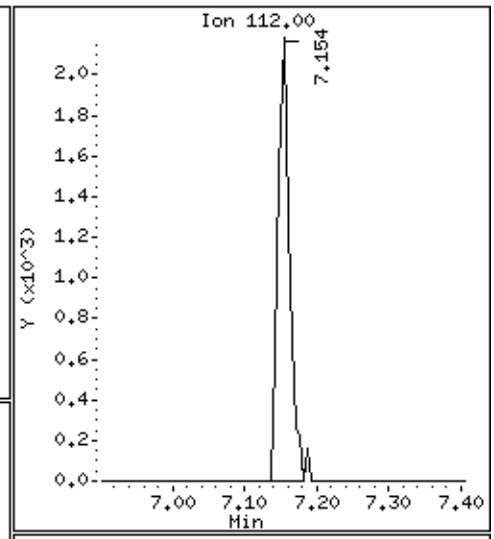
Concentration: 0.216 ppb

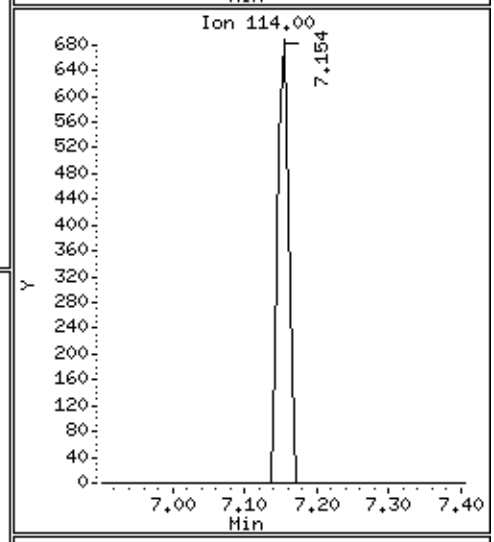


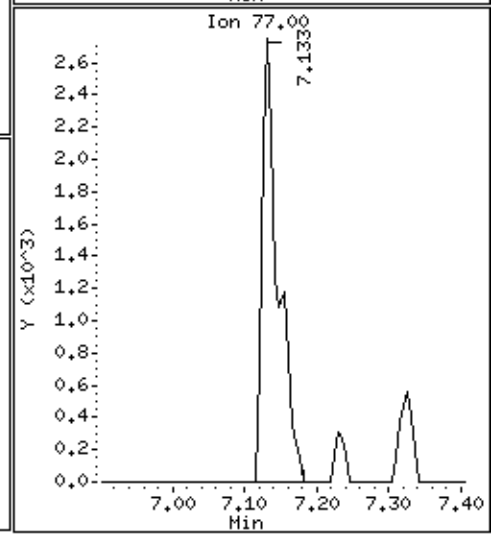












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

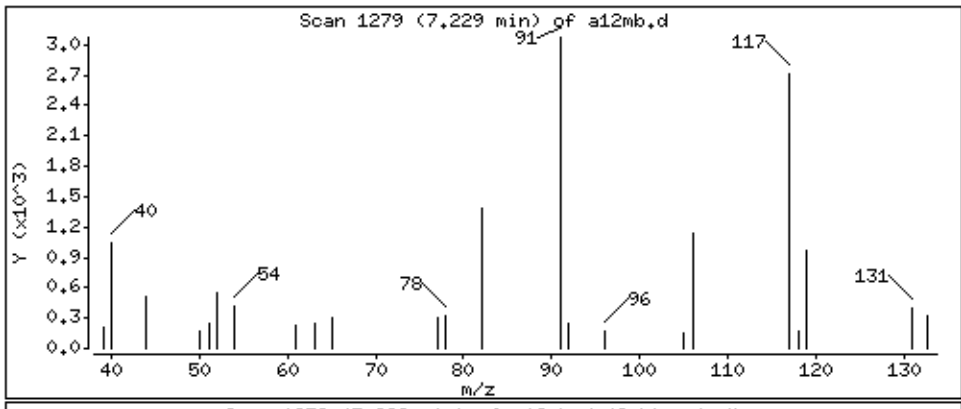
Operator: ala

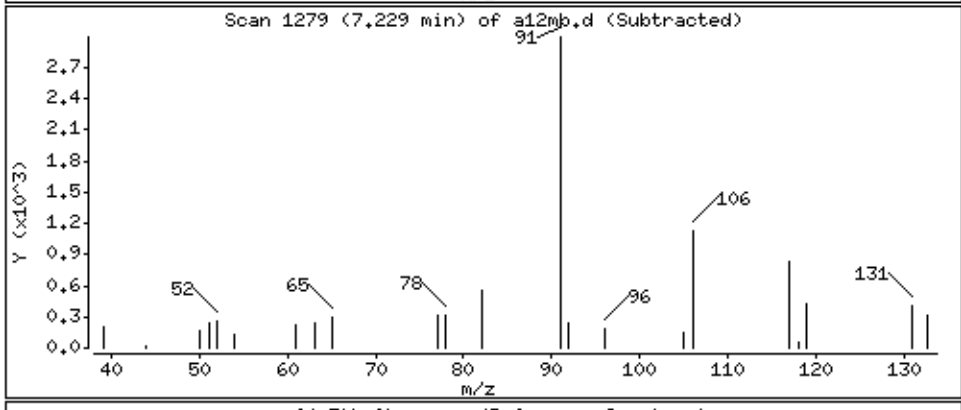
Column phase: DB-624

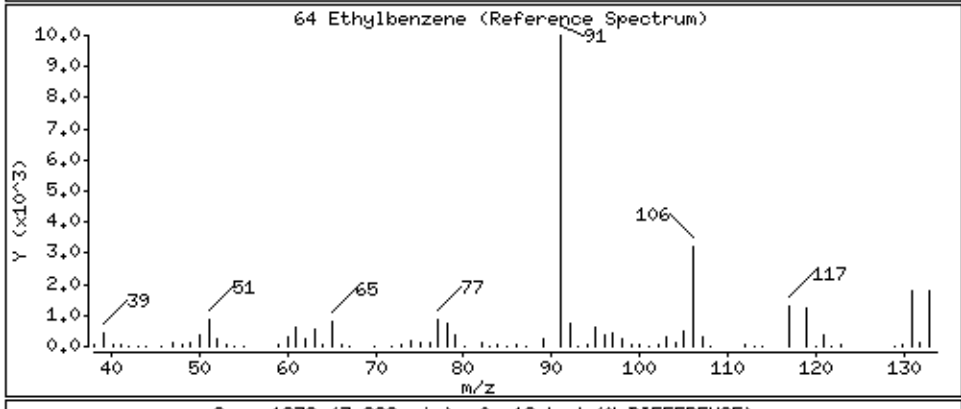
Column diameter: 0.18

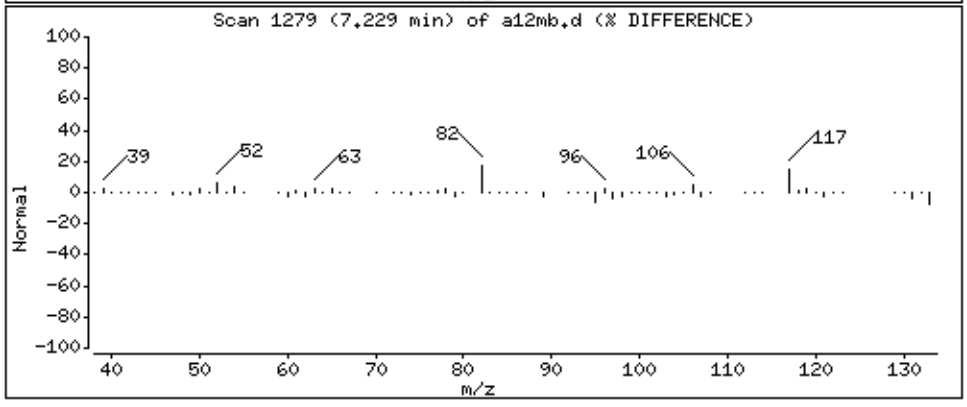
64 Ethylbenzene

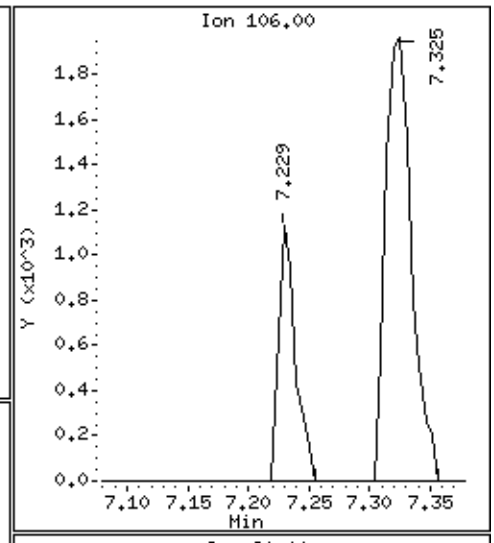
Concentration: 0.212 ppb

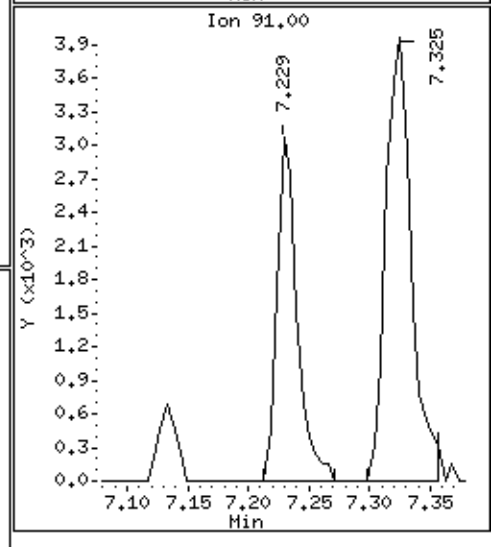












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

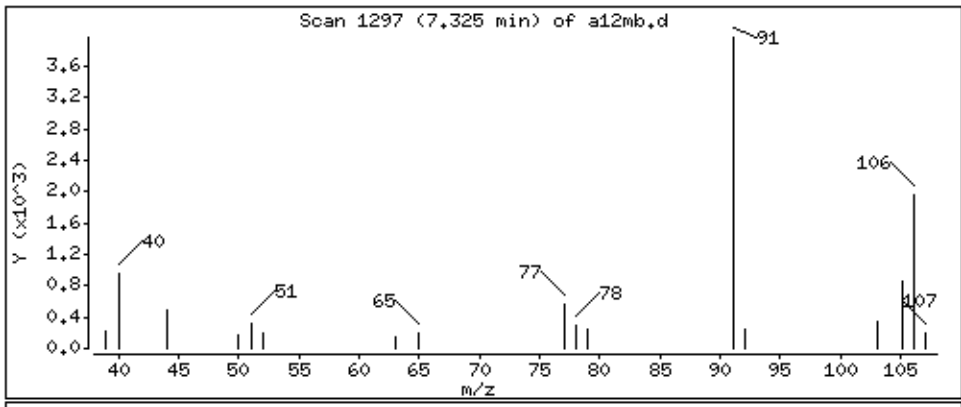
Operator: ala

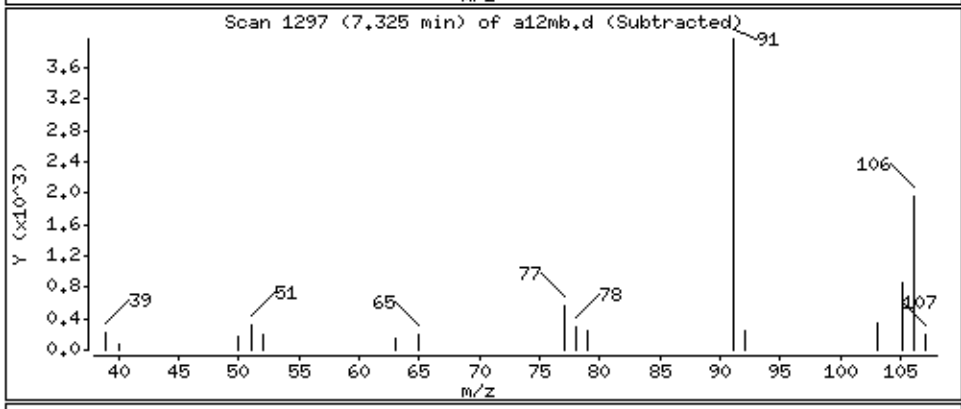
Column phase: DB-624

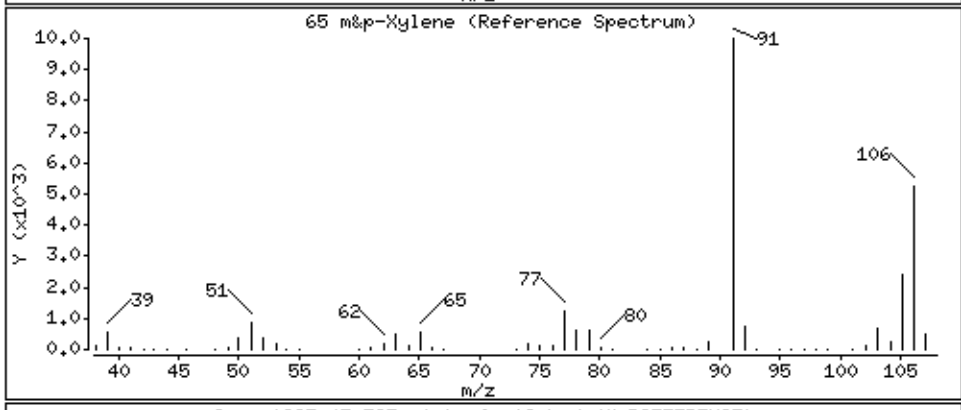
Column diameter: 0.18

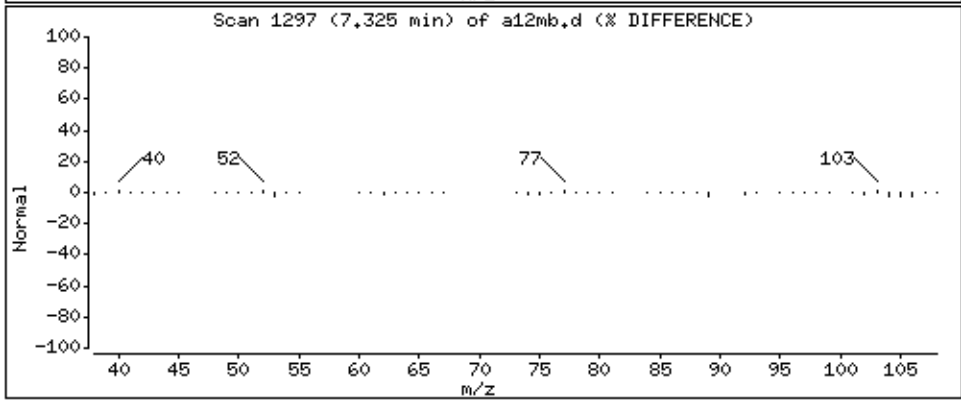
65 m&p-Xylene

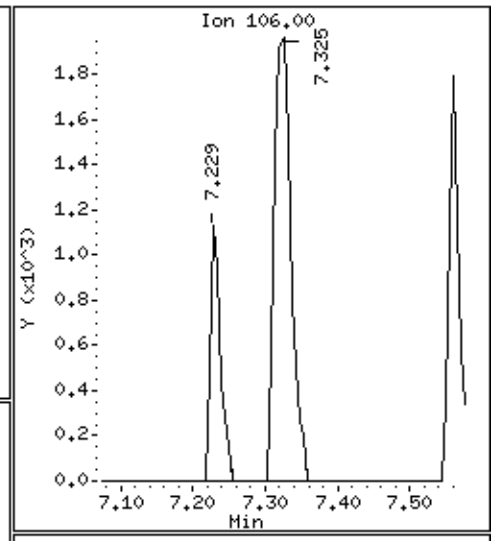
Concentration: 0.445 ppb

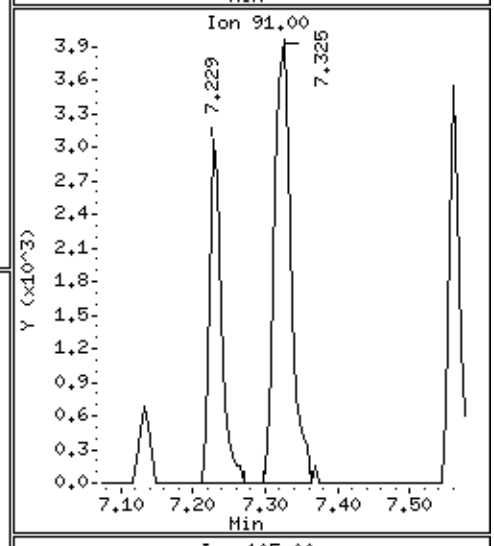


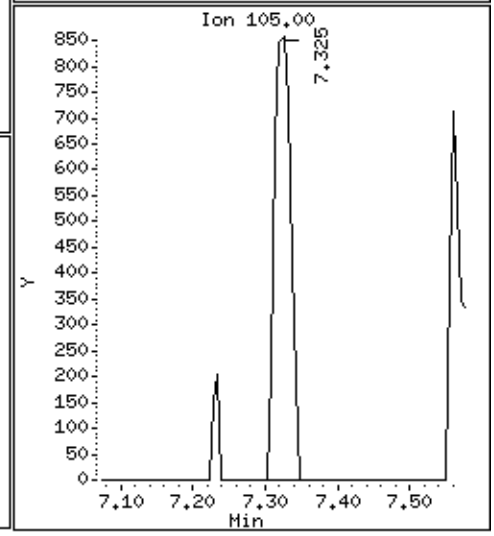












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

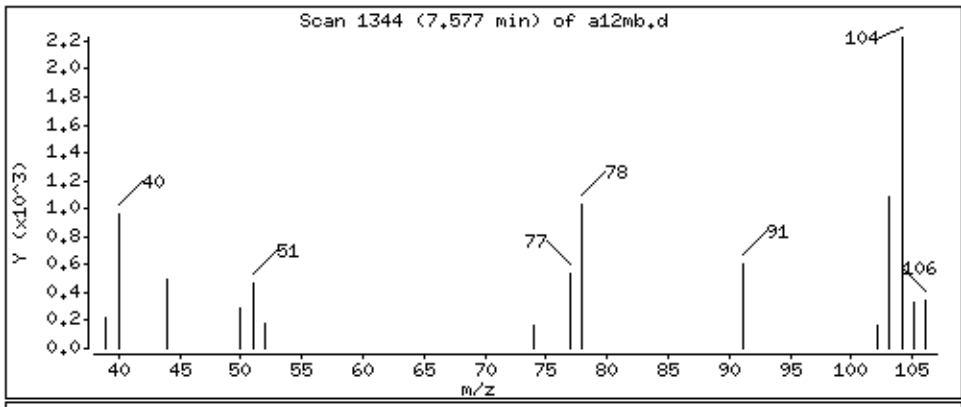
Operator: ala

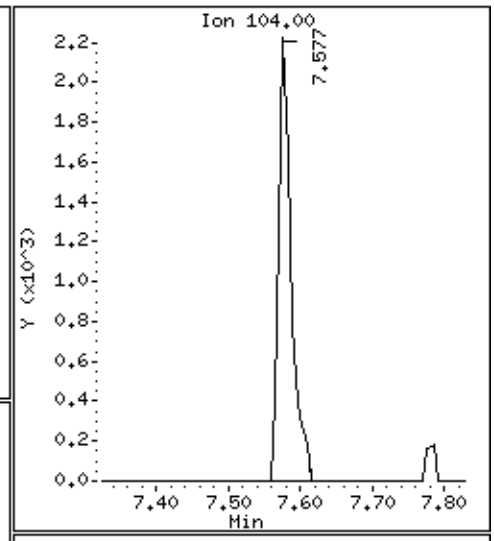
Column phase: DB-624

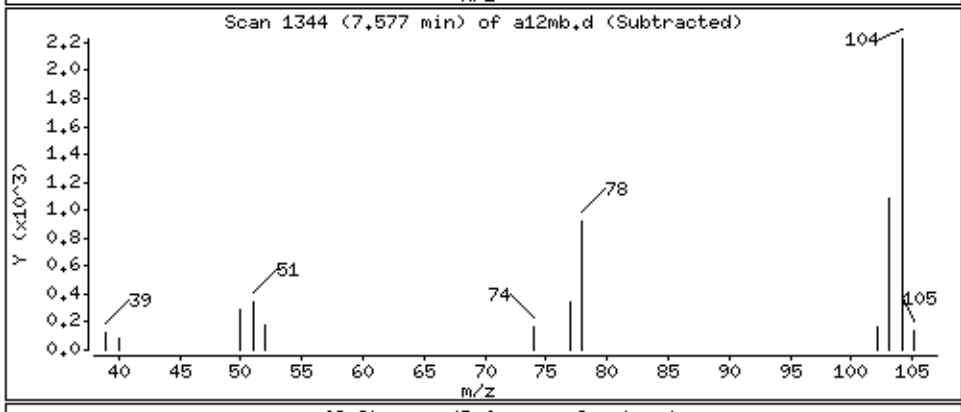
Column diameter: 0.18

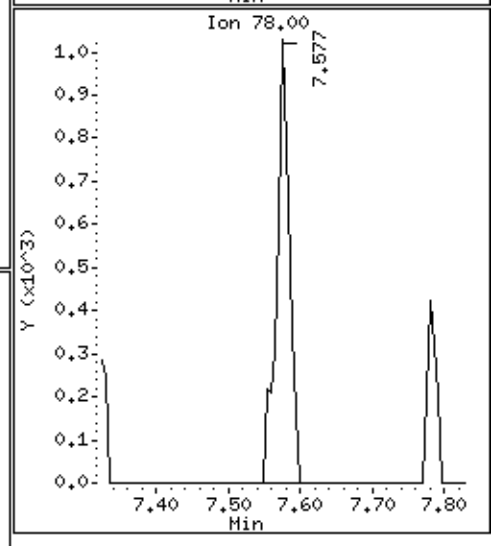
68 Styrene

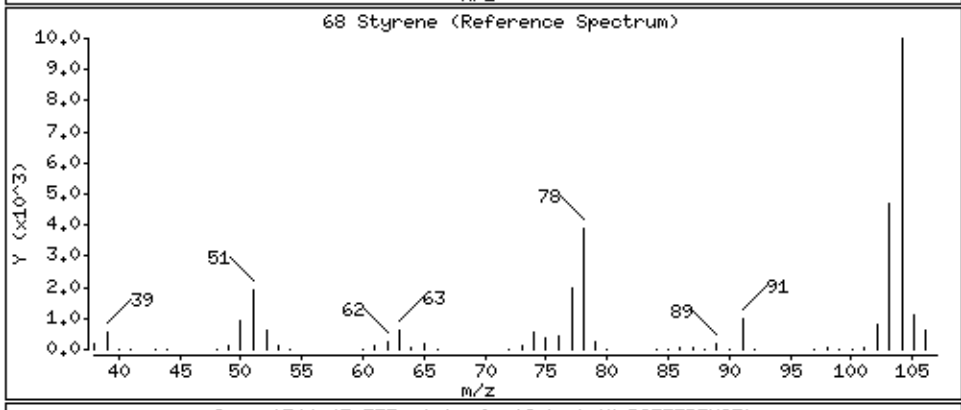
Concentration: 0.243 ppb

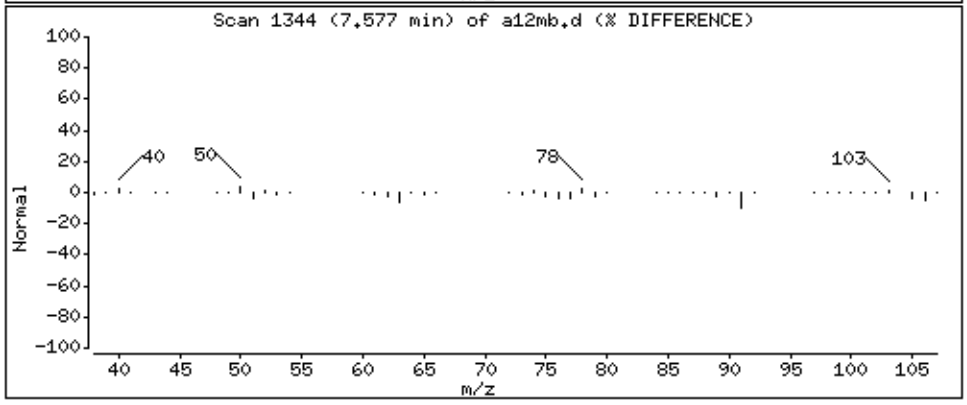












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

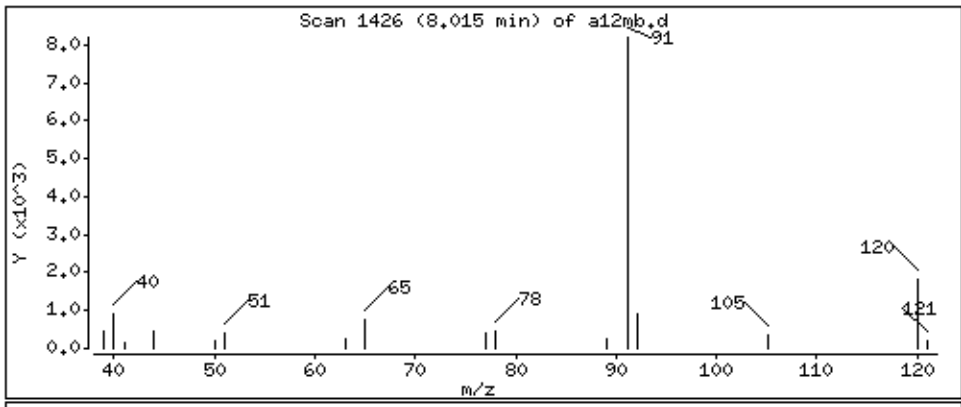
Operator: ala

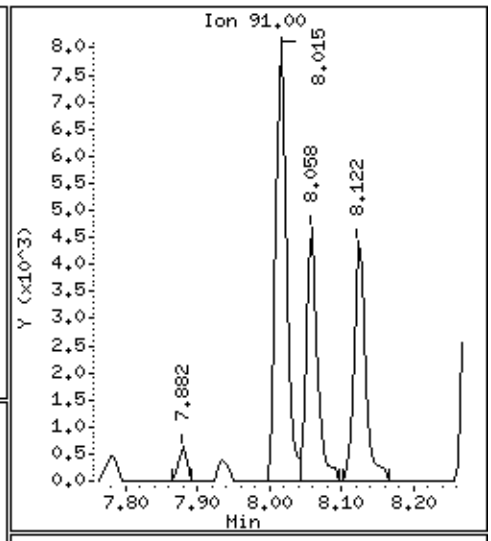
Column phase: DB-624

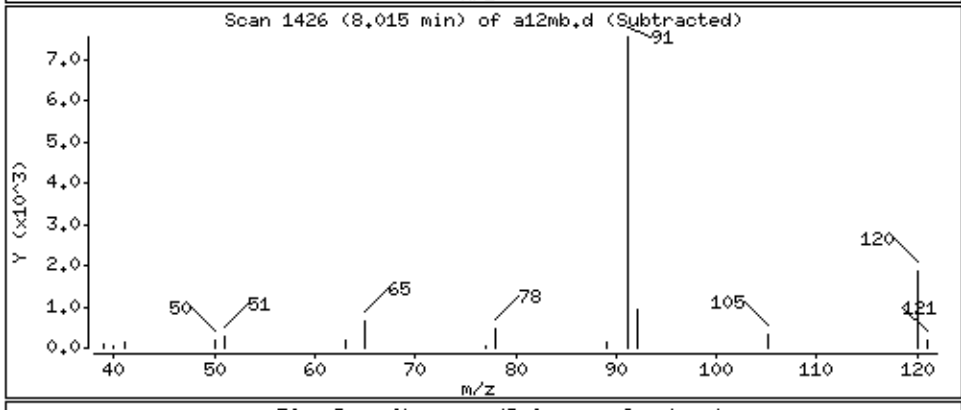
Column diameter: 0.18

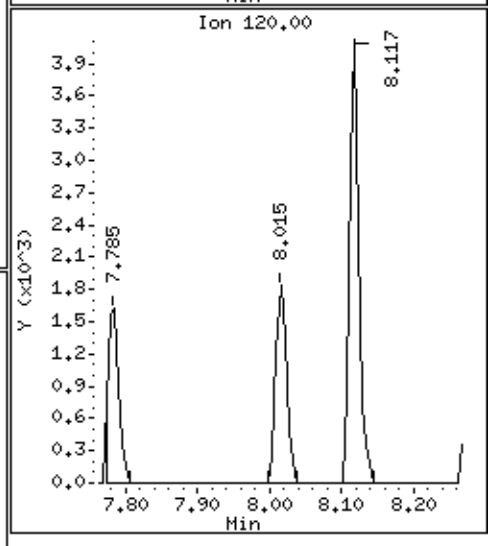
76 n-Propylbenzene

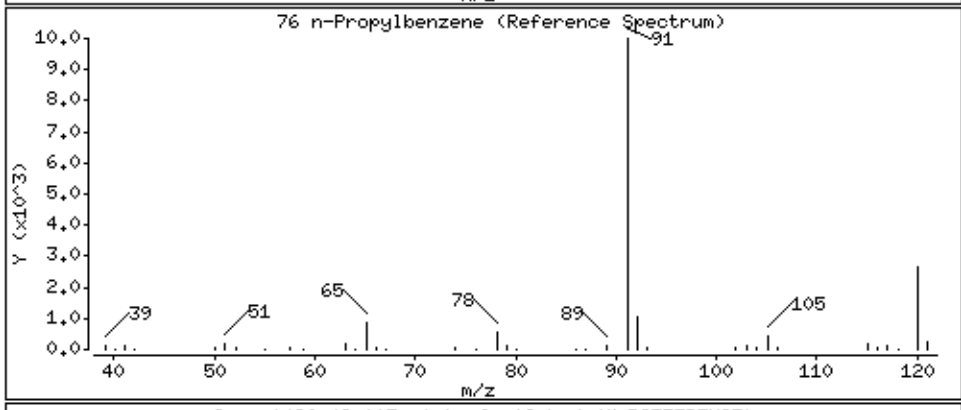
Concentration: 0.375 ppb

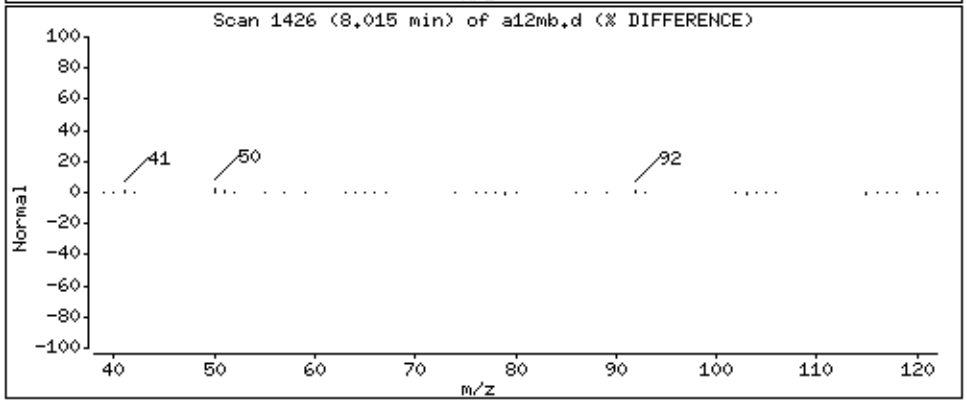












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

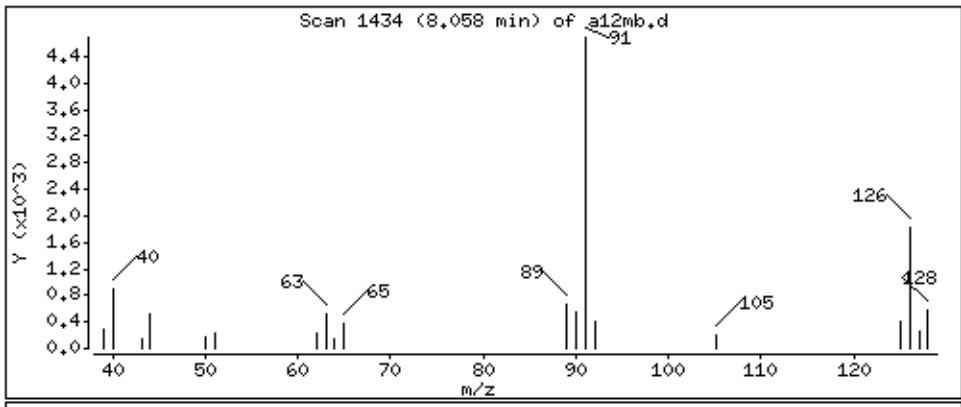
Operator: ala

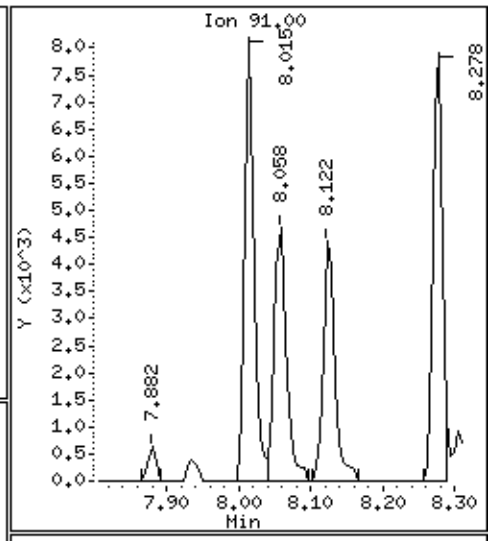
Column phase: DB-624

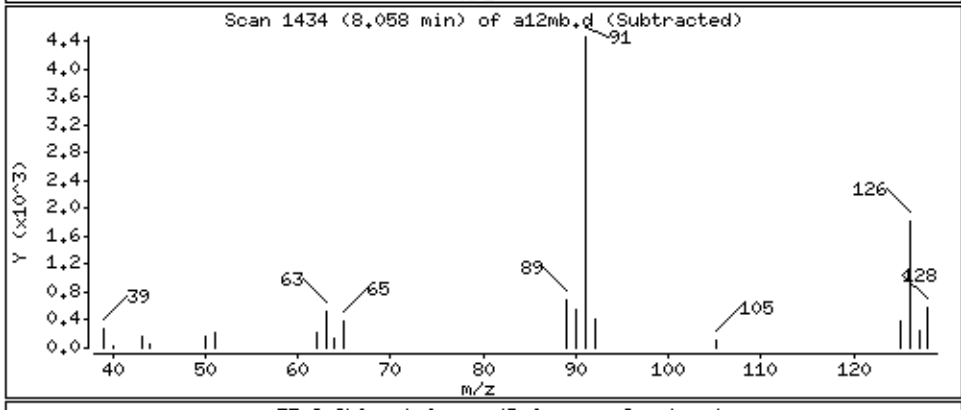
Column diameter: 0.18

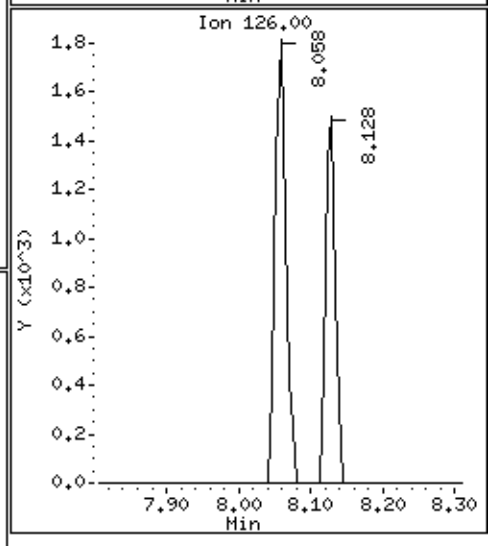
77 2-Chlorotoluene

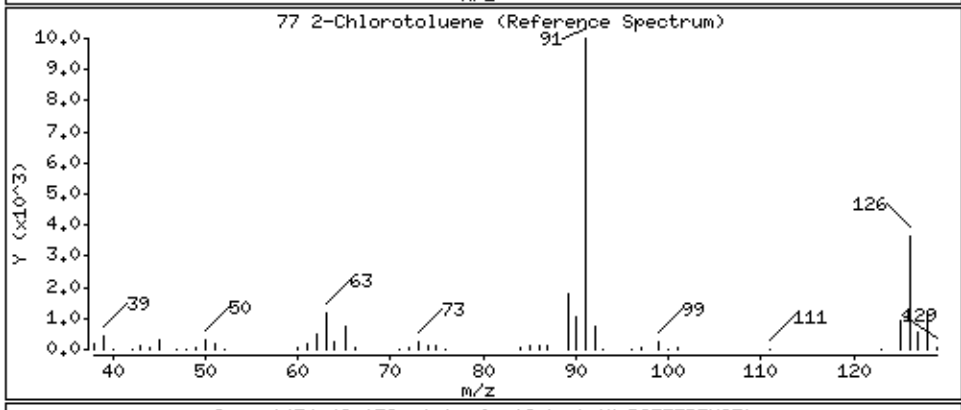
Concentration: 0.403 ppb

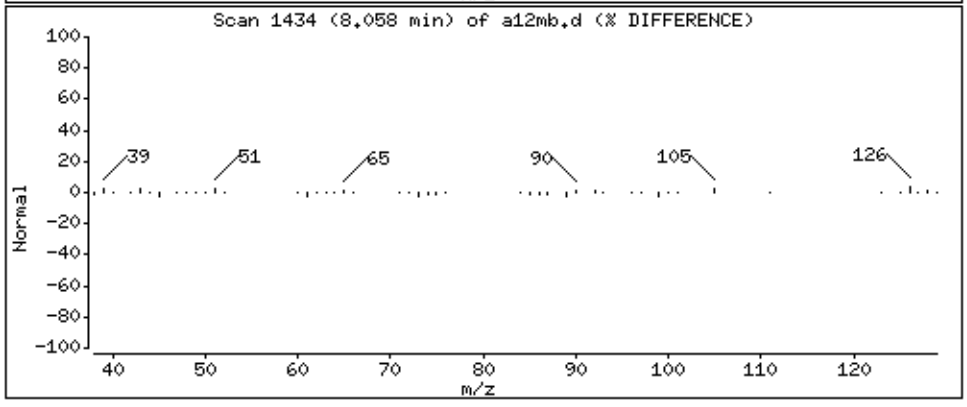












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

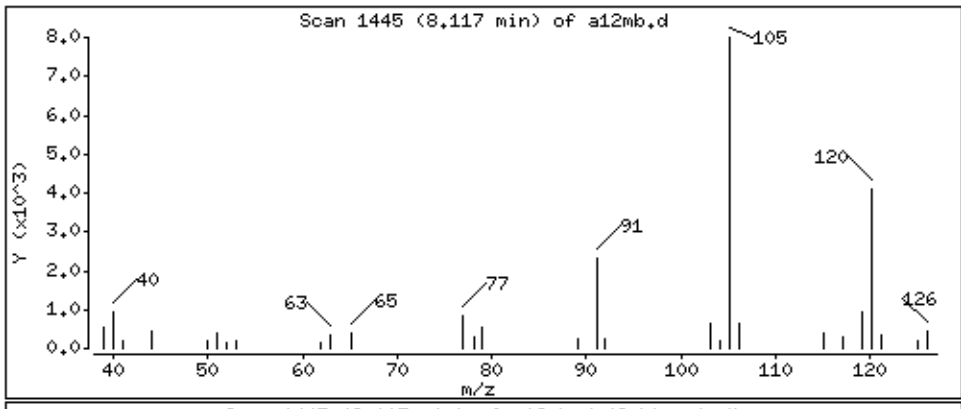
Operator: ala

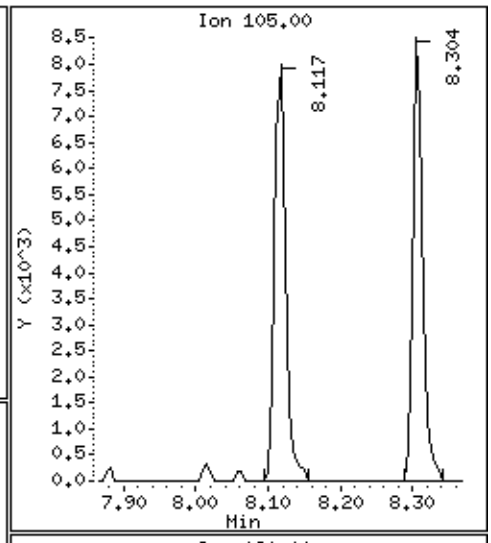
Column phase: DB-624

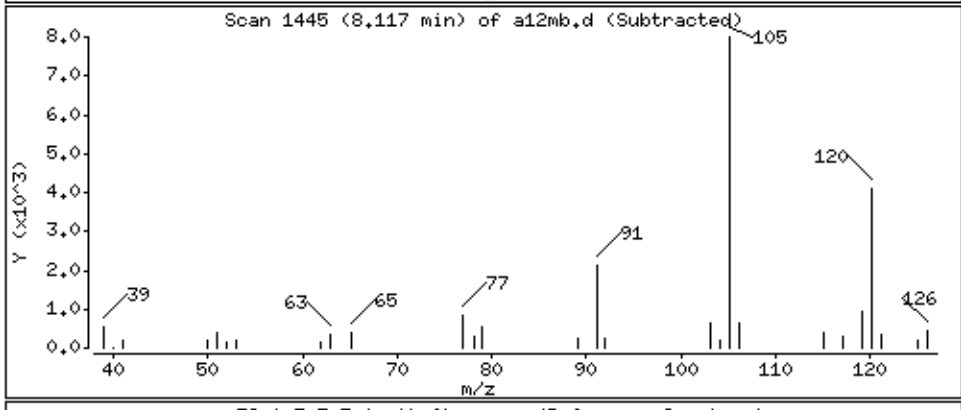
Column diameter: 0.18

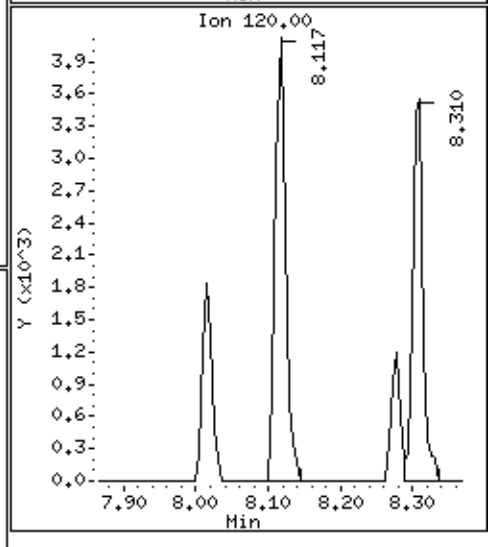
78 1,3,5-Trimethylbenzene

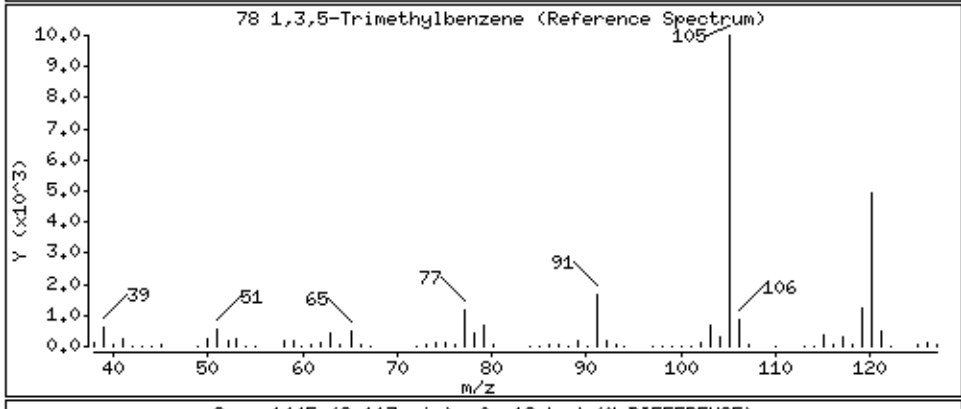
Concentration: 3.40 ppb

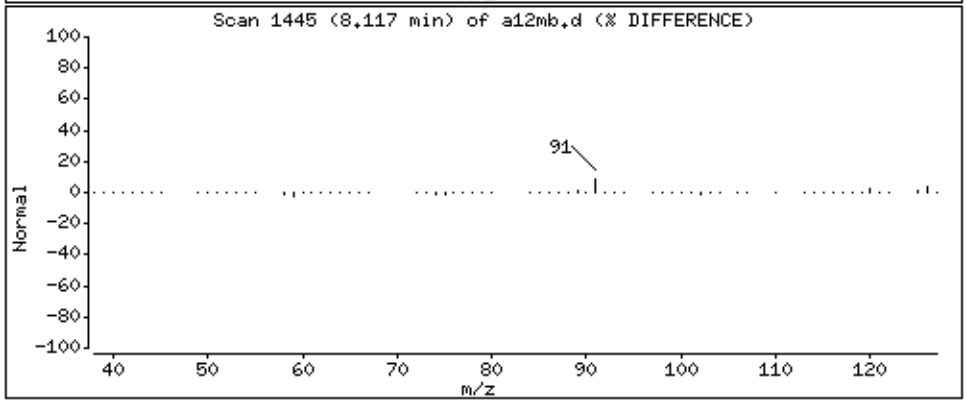












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

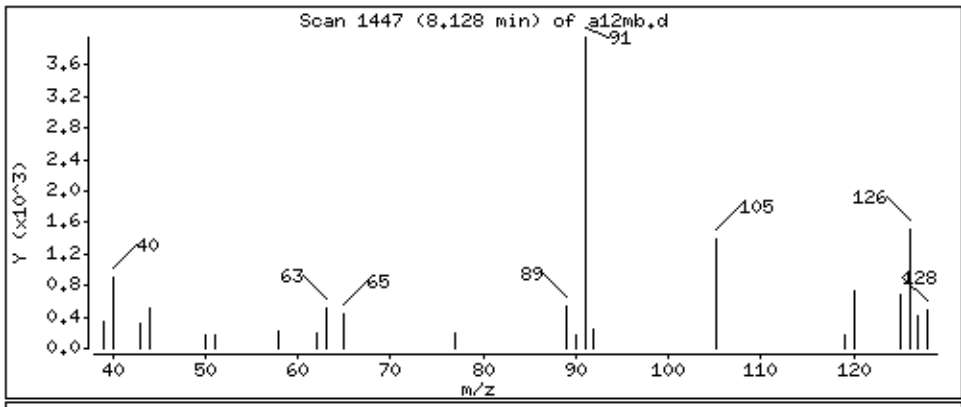
Operator: ala

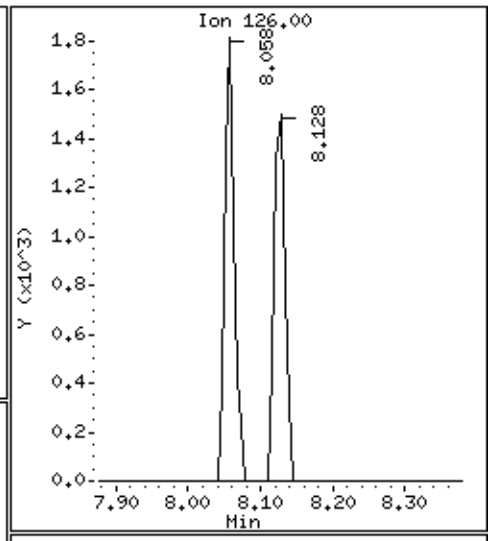
Column phase: DB-624

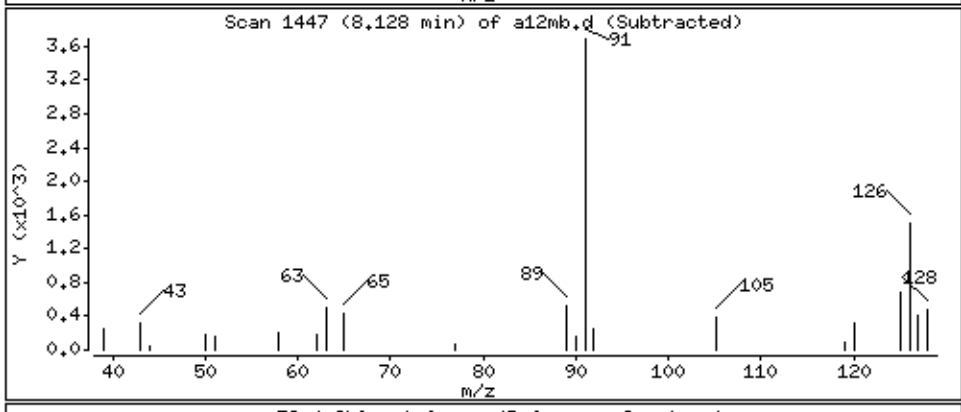
Column diameter: 0.18

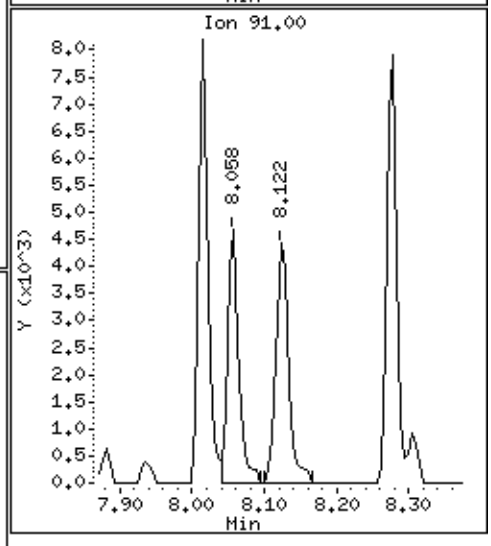
79 4-Chlorotoluene

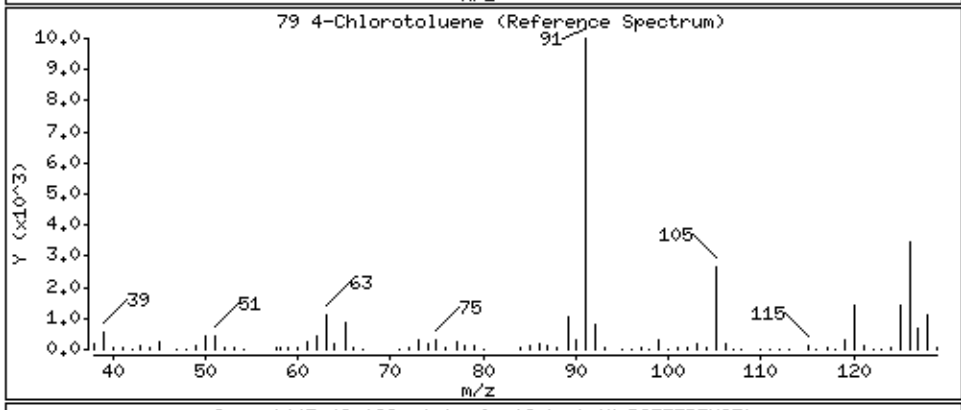
Concentration: 0.292 ppb

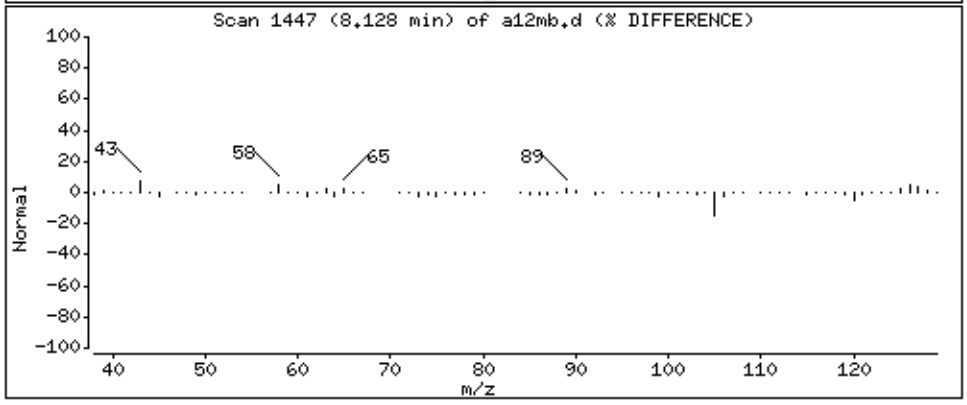












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

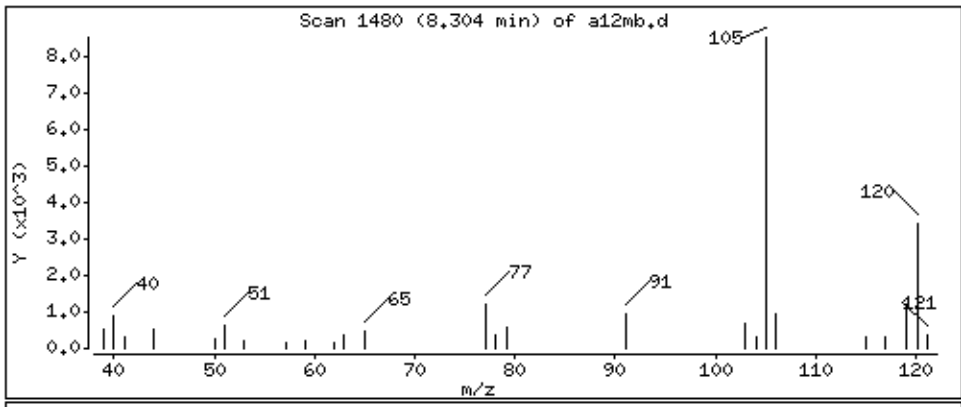
Operator: ala

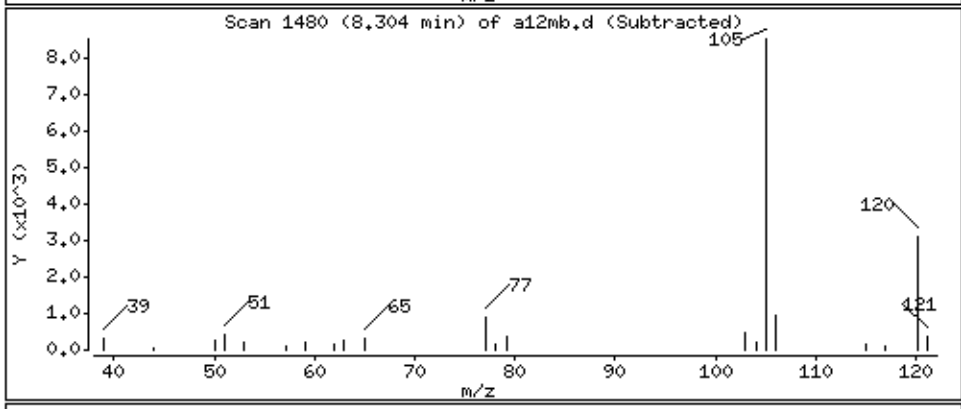
Column phase: DB-624

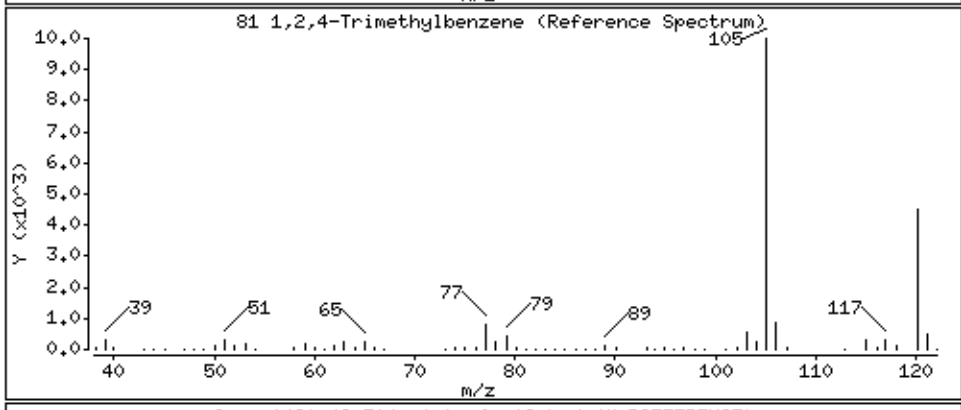
Column diameter: 0.18

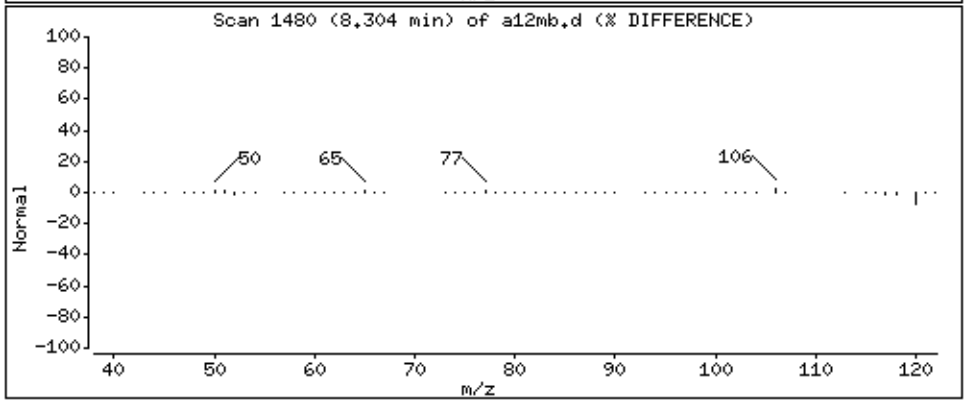
81 1,2,4-Trimethylbenzene

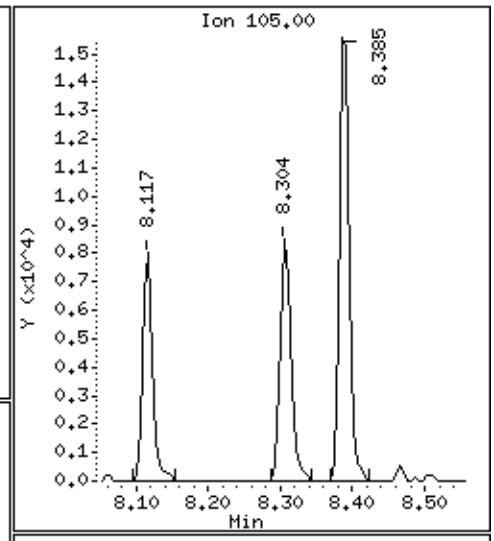
Concentration: 3.18 ppb

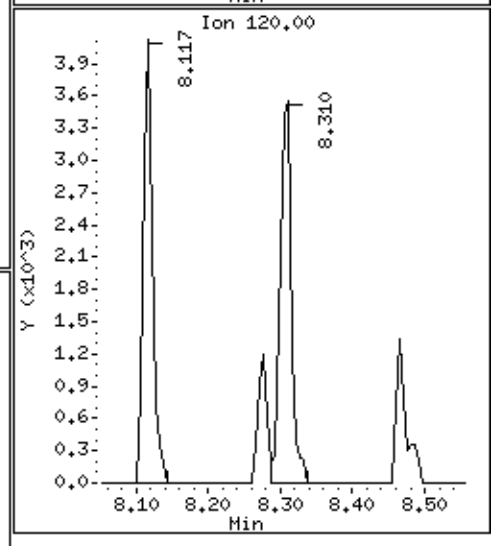












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

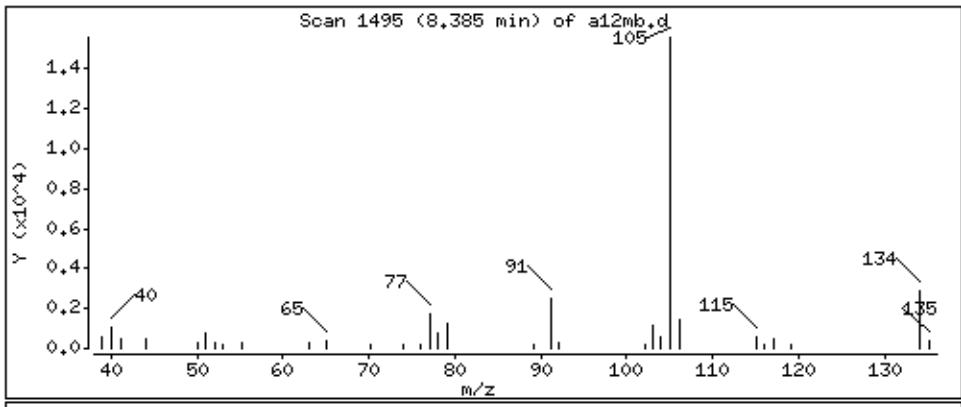
Operator: ala

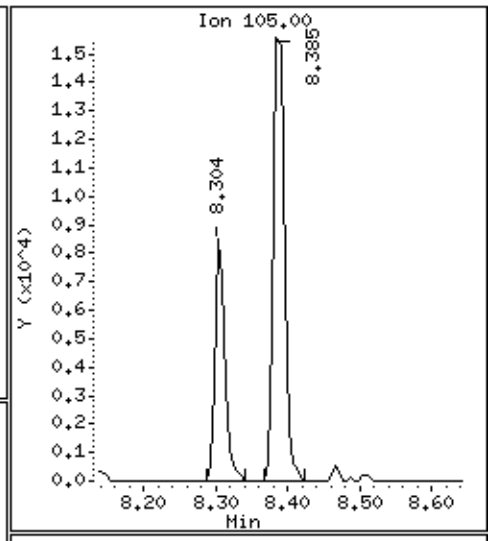
Column phase: DB-624

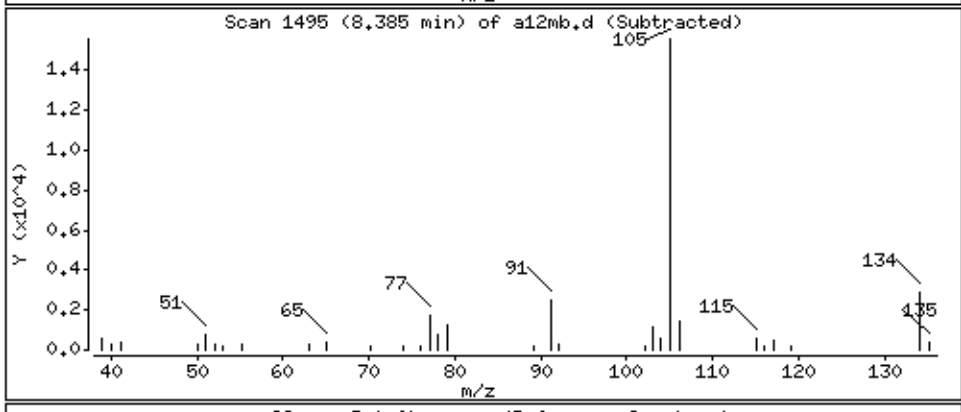
Column diameter: 0.18

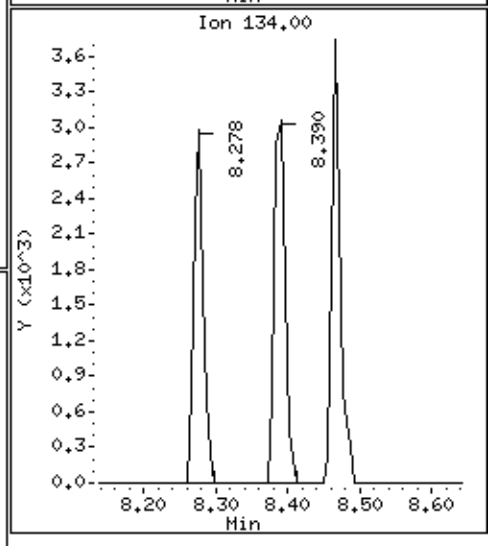
82 sec-Butylbenzene

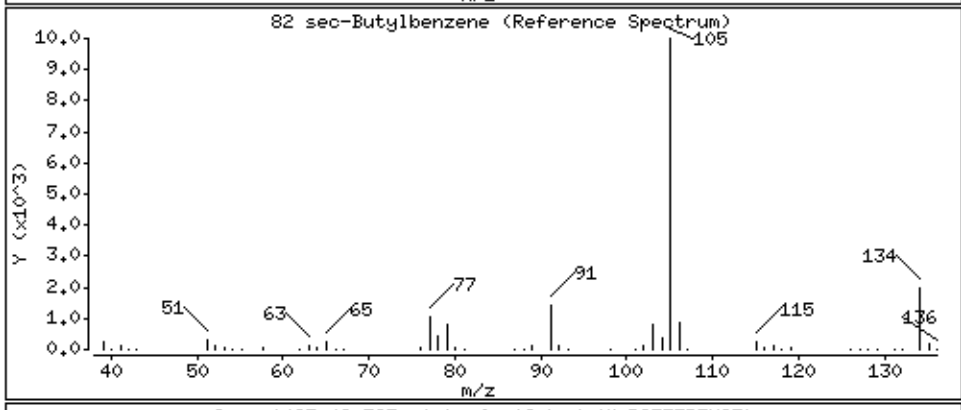
Concentration: 4.20 ppb

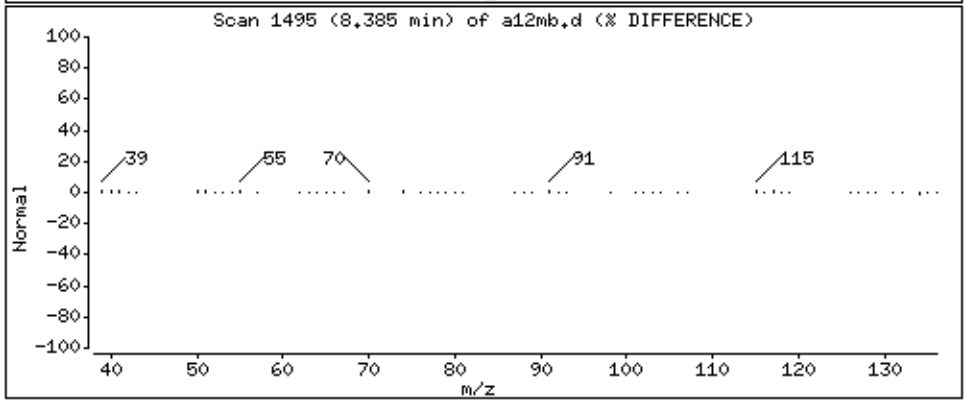












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

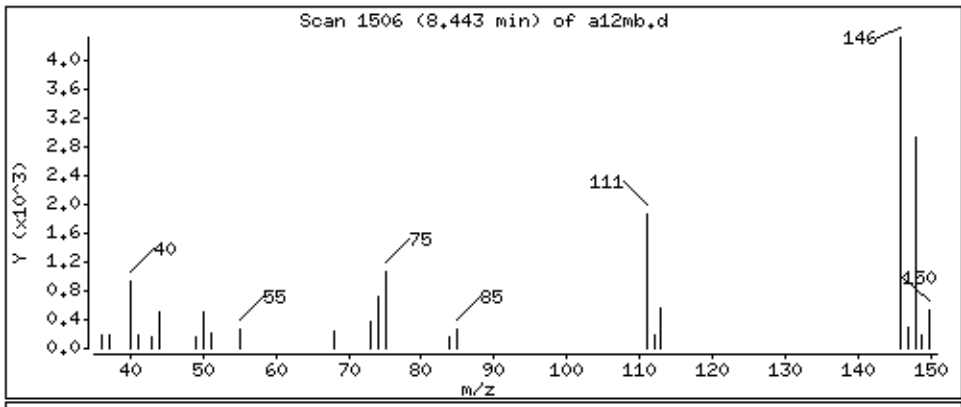
Operator: ala

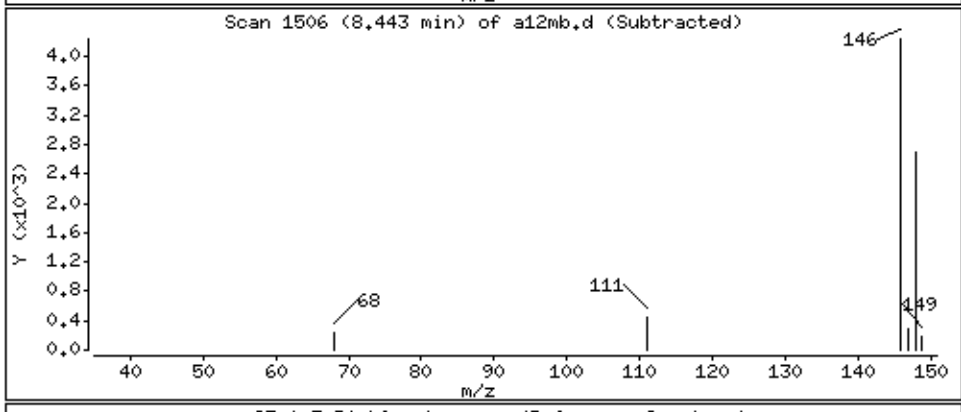
Column phase: DB-624

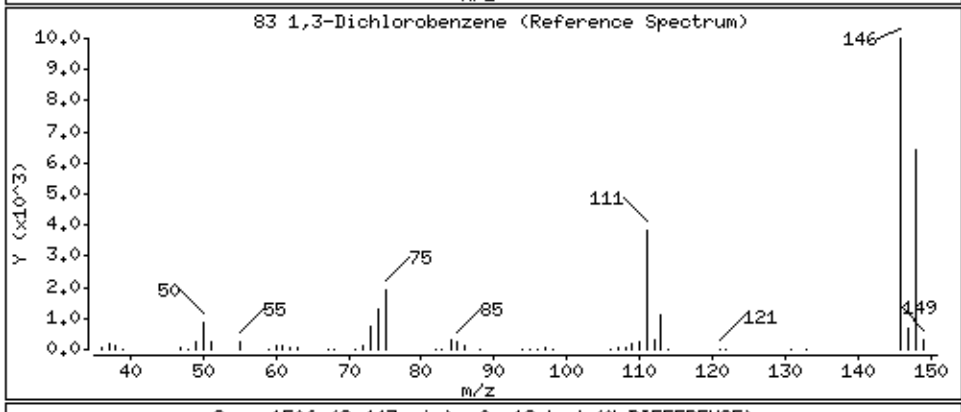
Column diameter: 0.18

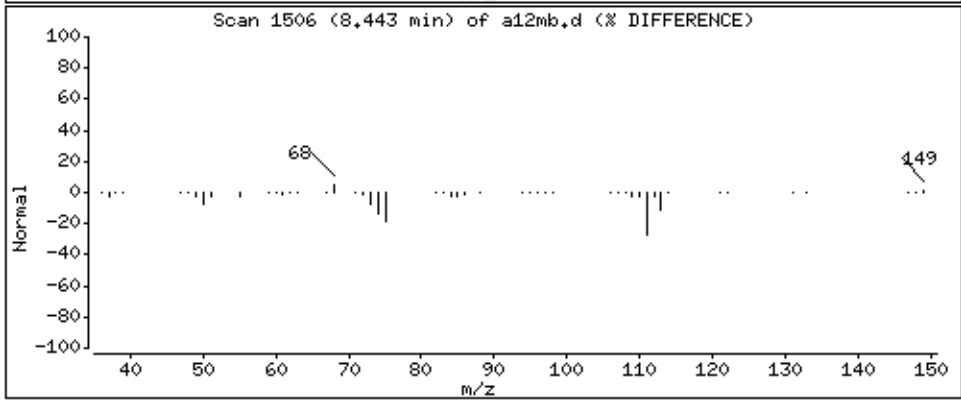
83 1,3-Dichlorobenzene

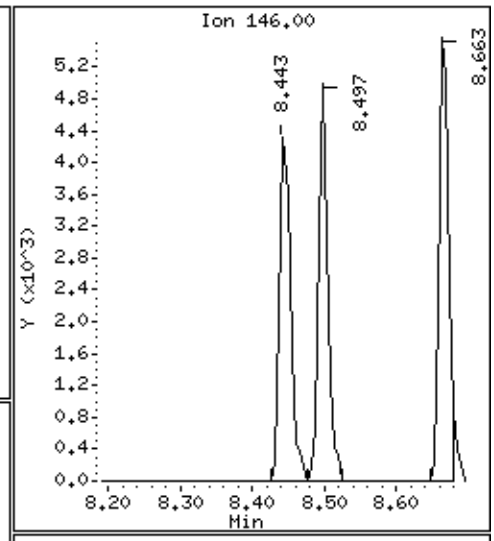
Concentration: 0.475 ppb

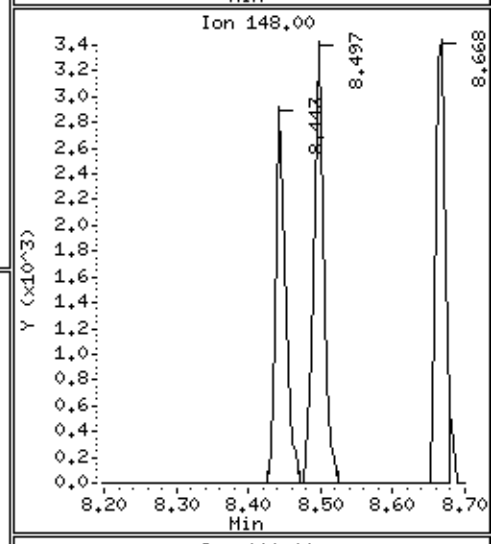


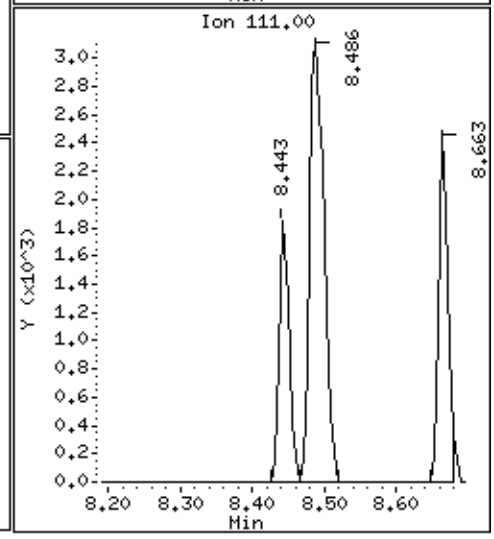












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

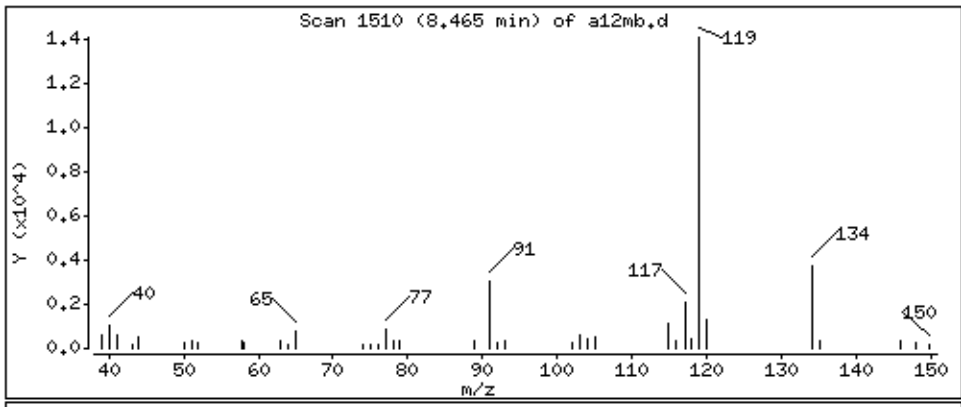
Operator: ala

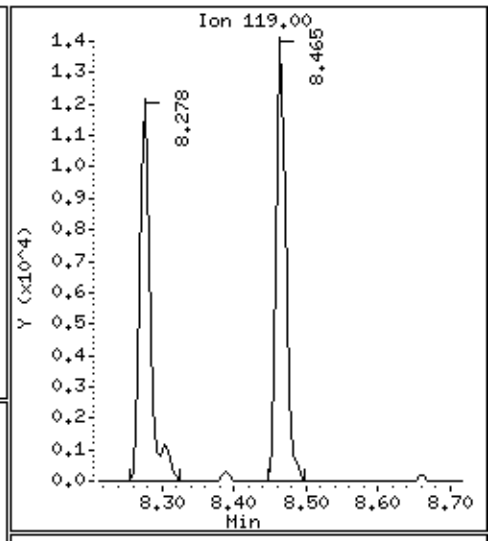
Column phase: DB-624

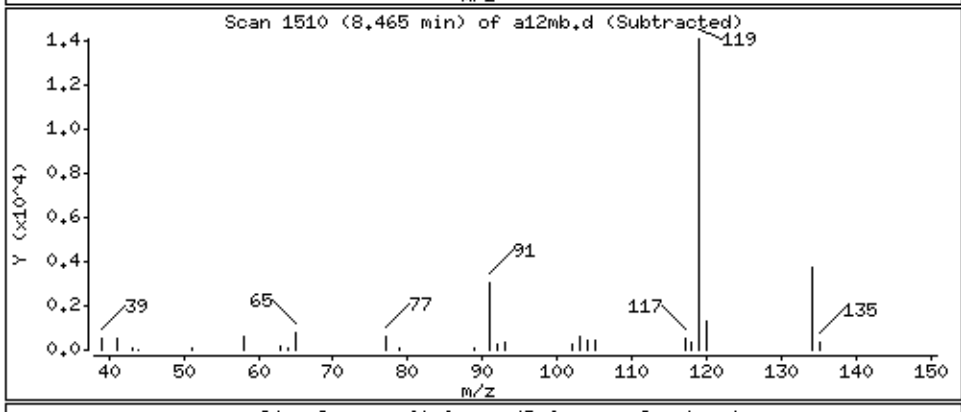
Column diameter: 0.18

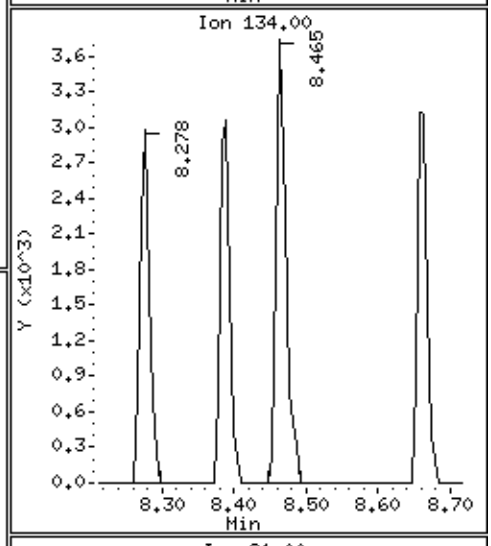
84 p-Isopropyltoluene

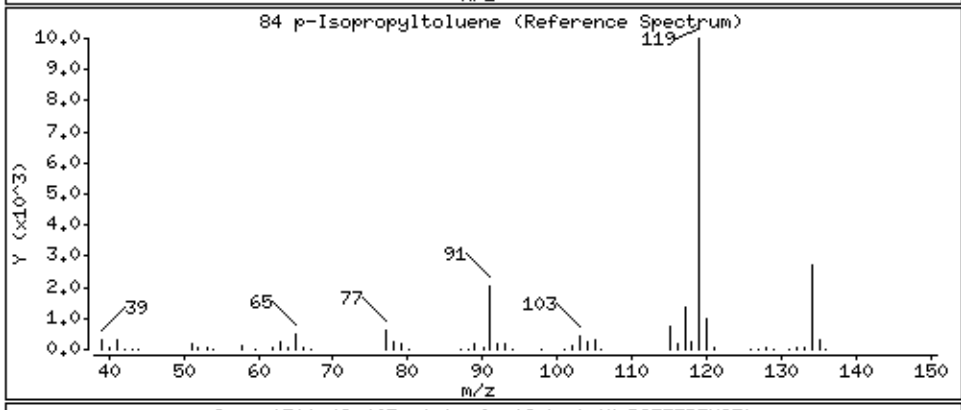
Concentration: 3.80 ppb

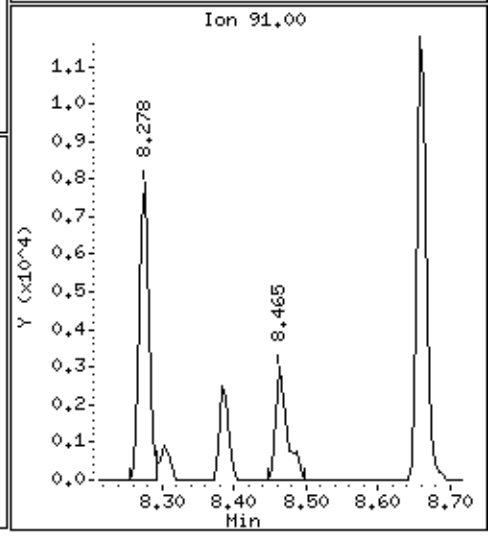


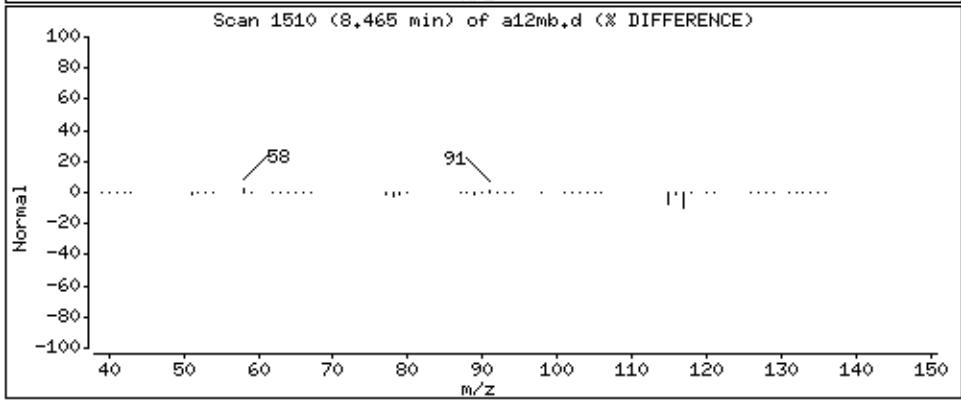












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

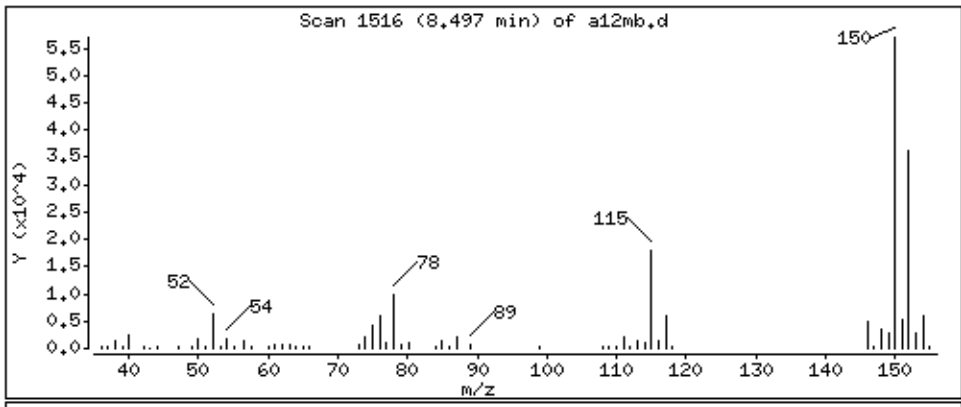
Operator: ala

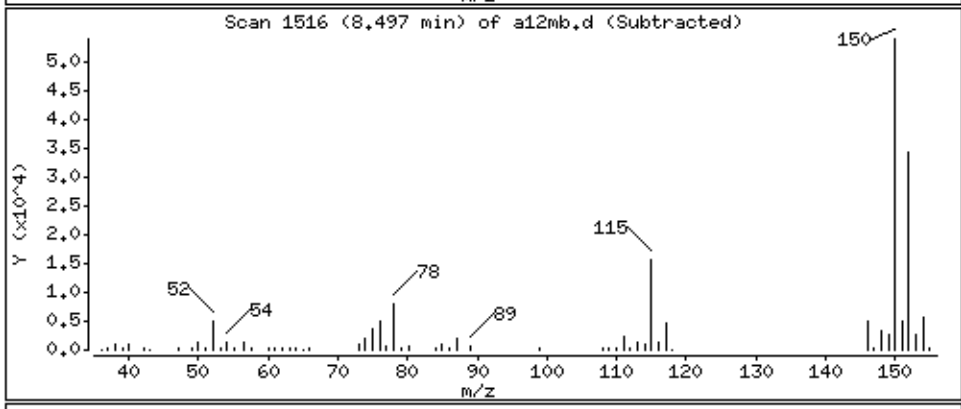
Column phase: DB-624

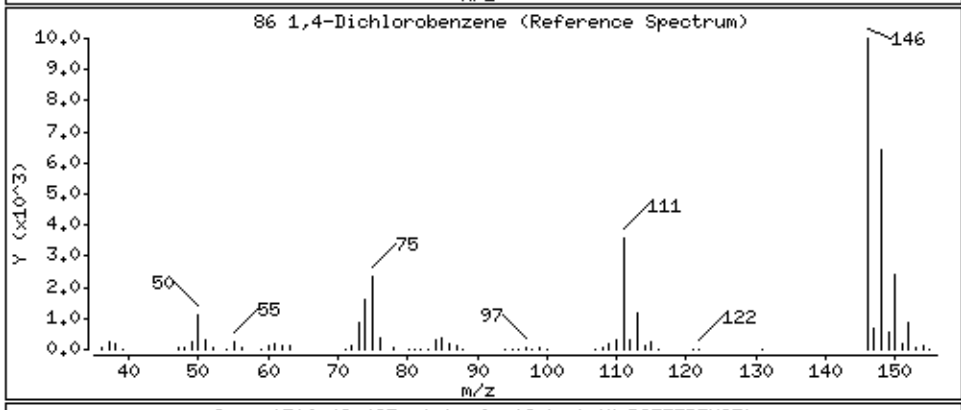
Column diameter: 0.18

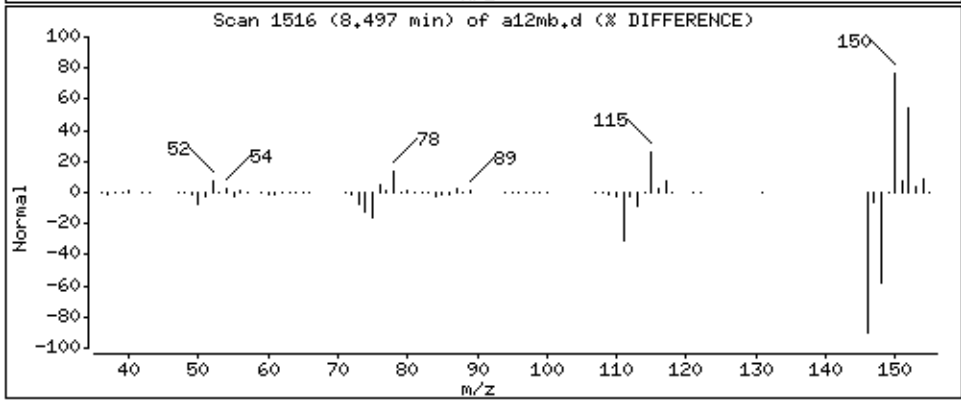
86 1,4-Dichlorobenzene

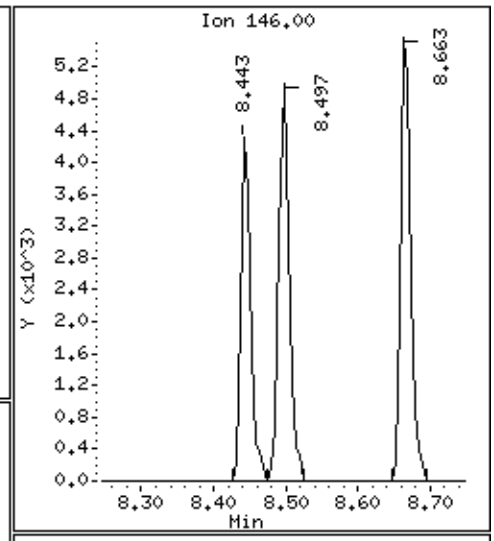
Concentration: 0.486 ppb

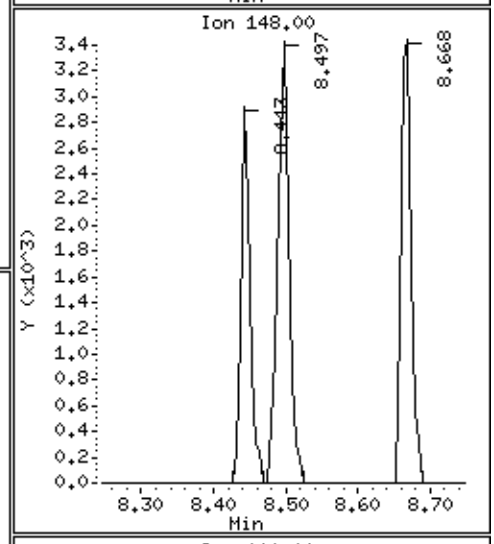


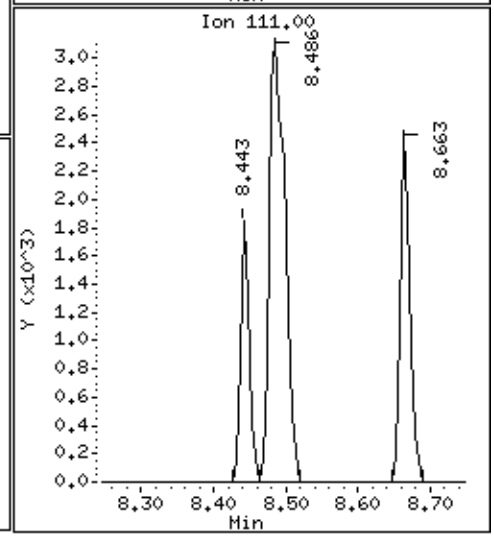












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Page 21

Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

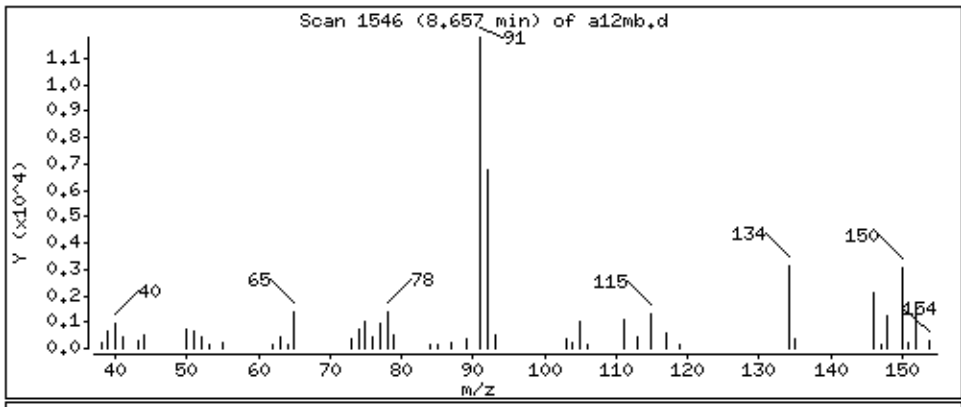
Operator: ala

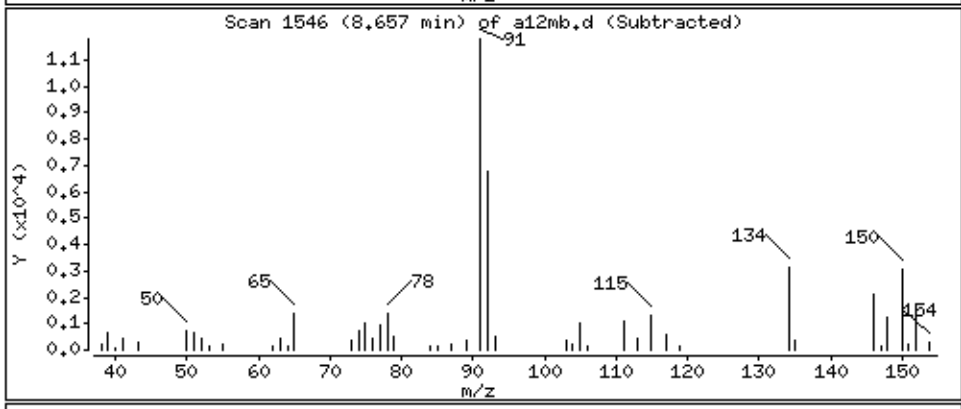
Column phase: DB-624

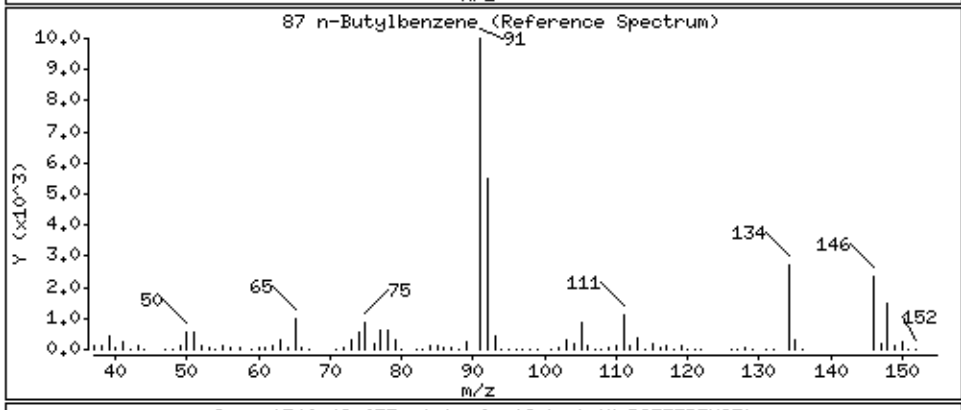
Column diameter: 0.18

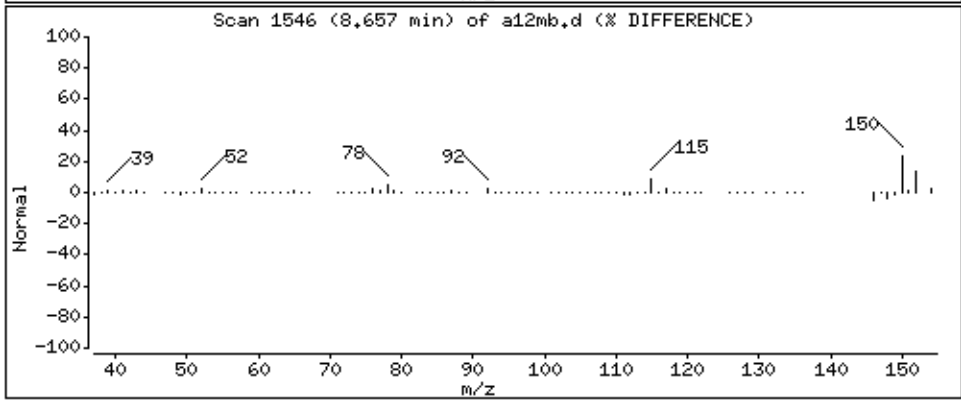
87 n-Butylbenzene

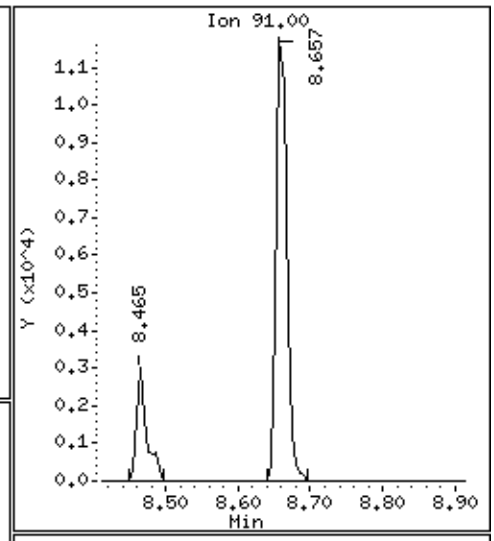
Concentration: 1.24 ppb

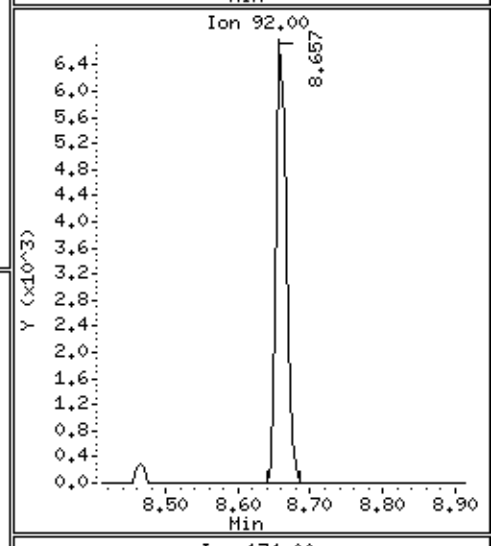


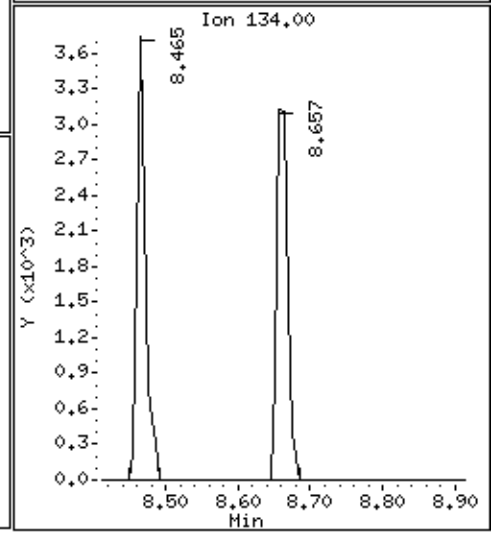












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

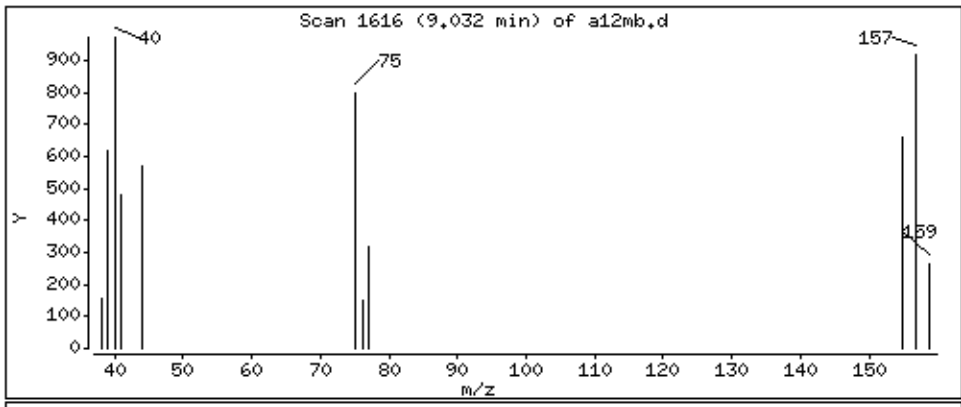
Operator: ala

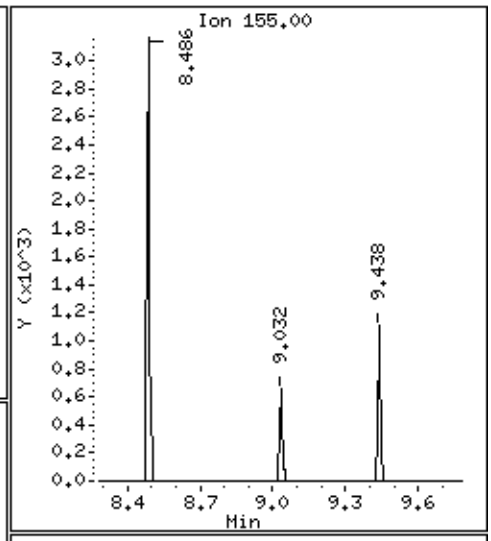
Column phase: DB-624

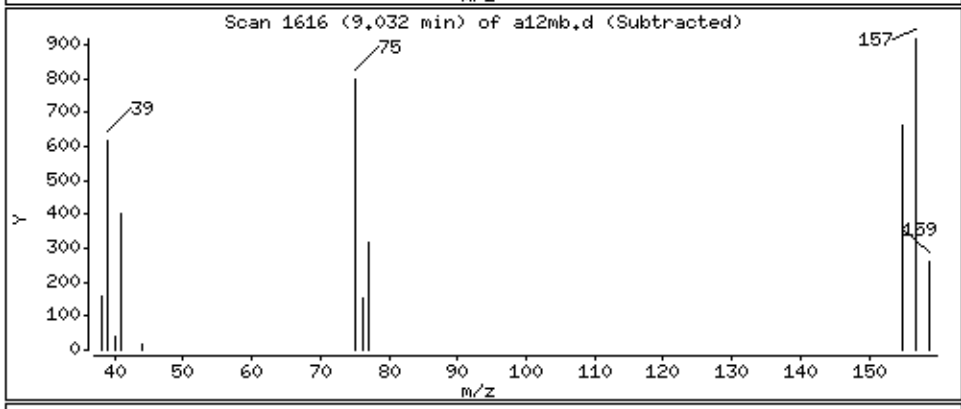
Column diameter: 0.18

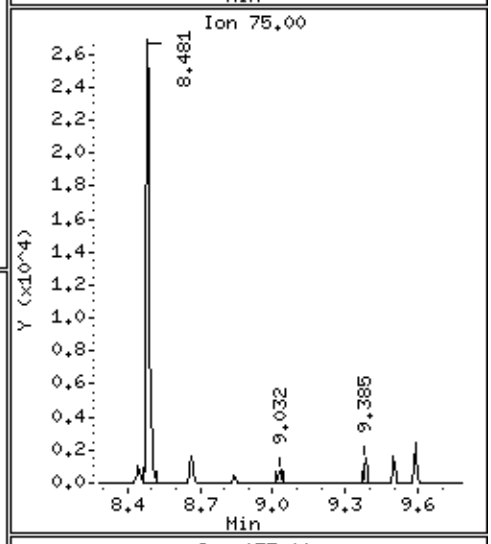
89 1,2-Dibromo-3-chloropropane

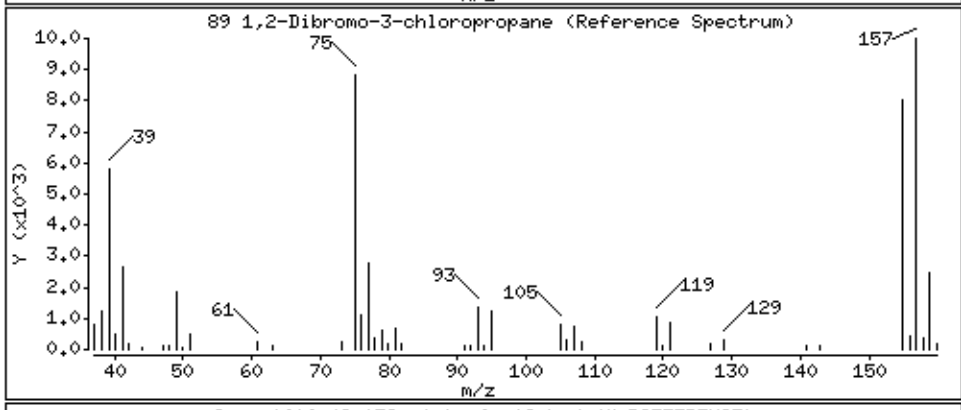
Concentration: 3.47 ppb

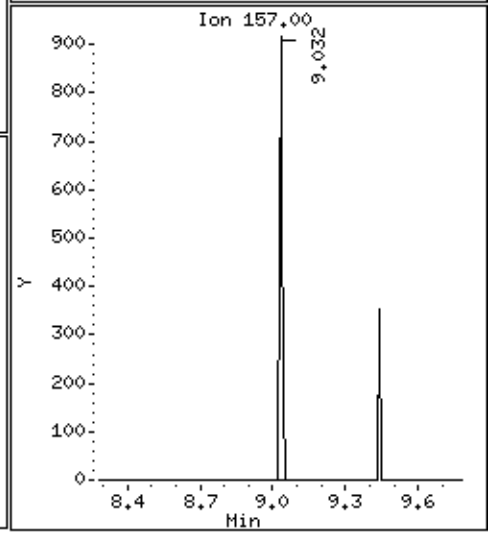


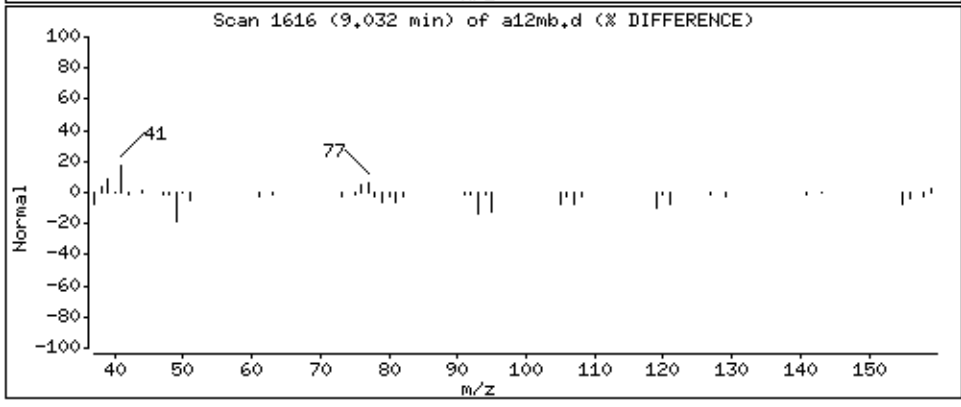












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Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

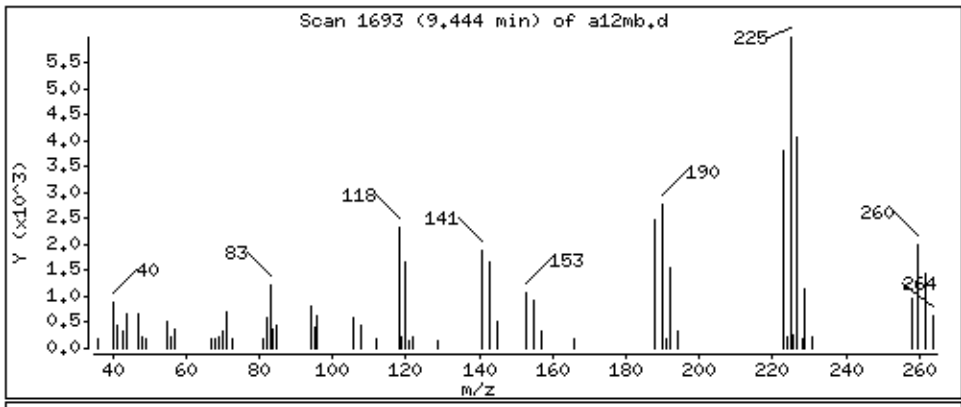
Operator: ala

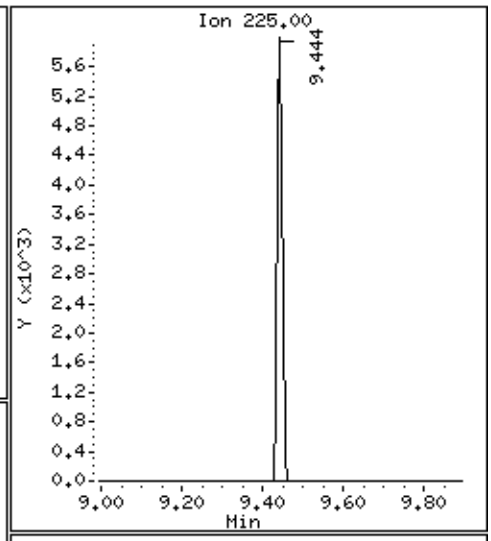
Column phase: DB-624

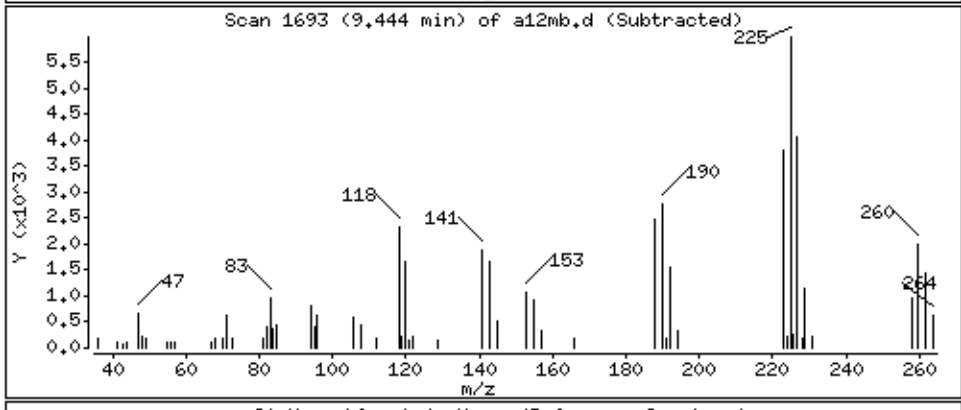
Column diameter: 0.18

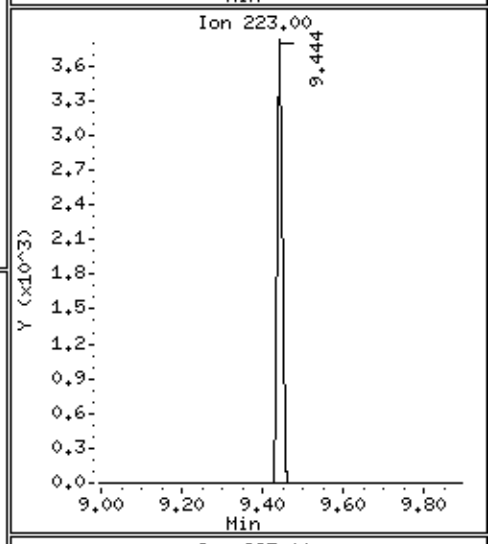
91 Hexachlorobutadiene

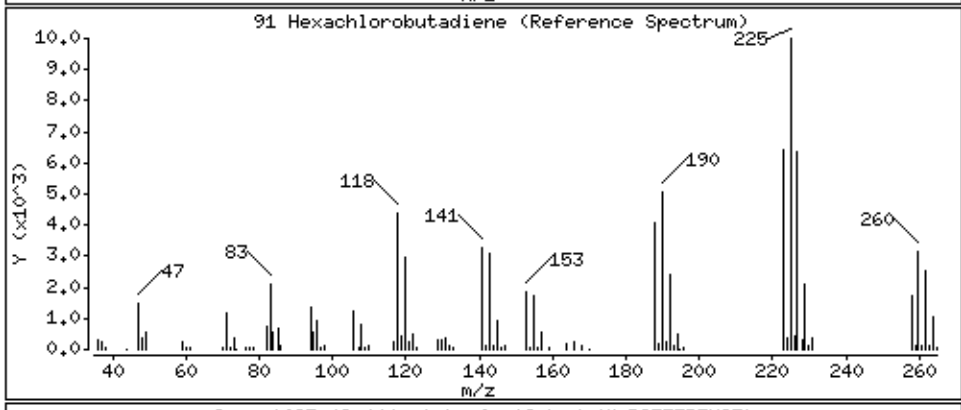
Concentration: 2.39 ppb

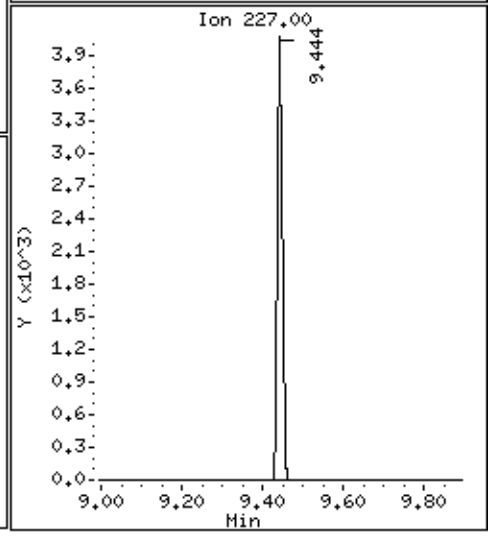


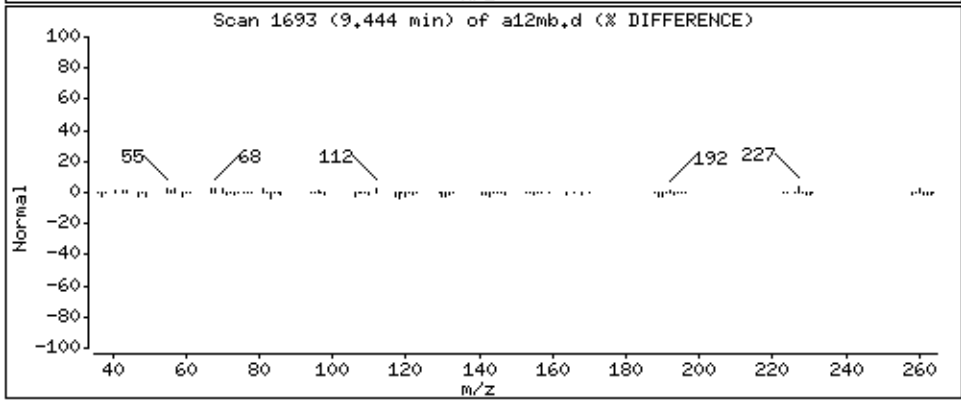












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a12mb.d

Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

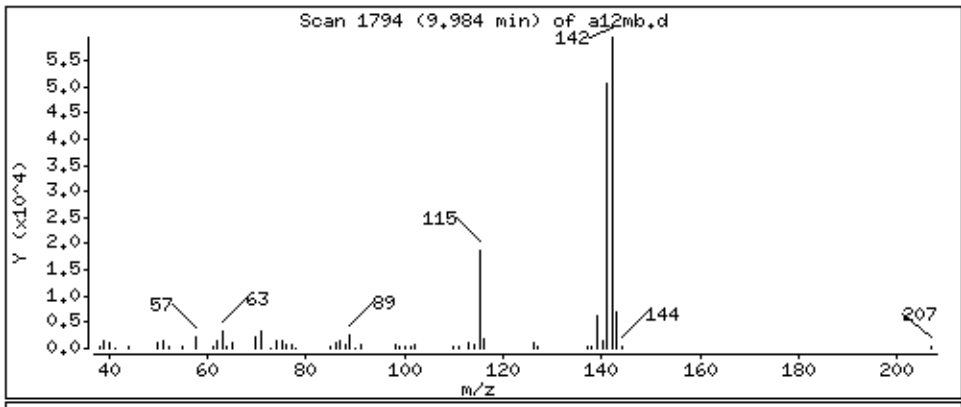
Operator: ala

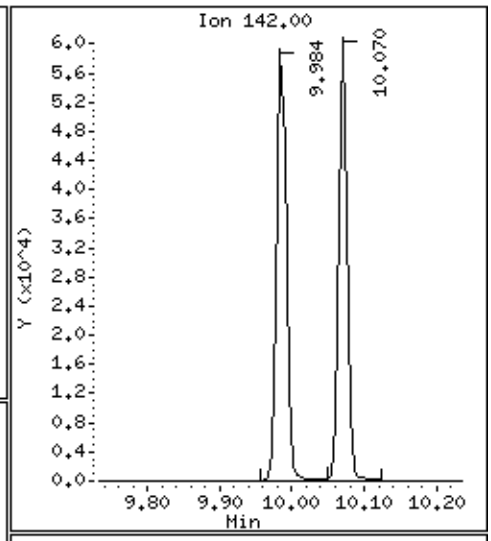
Column phase: DB-624

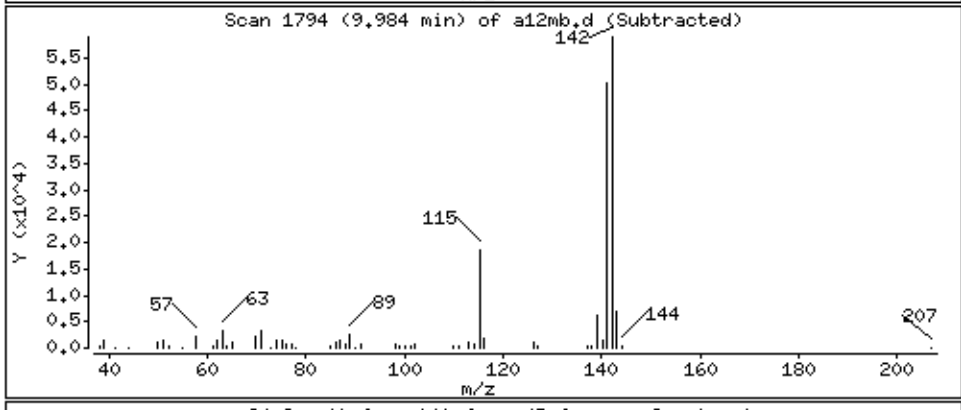
Column diameter: 0.18

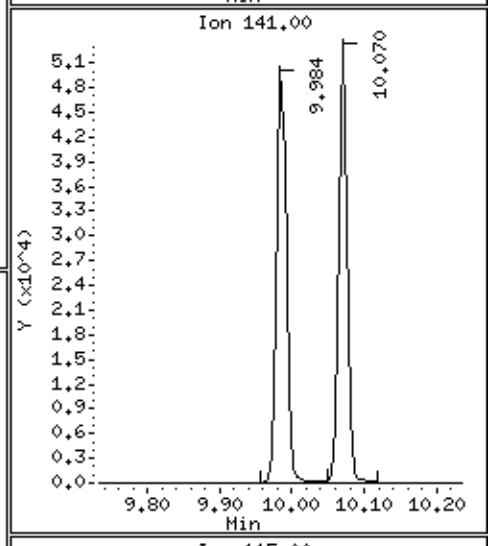
94 2,methyl-naphthalene

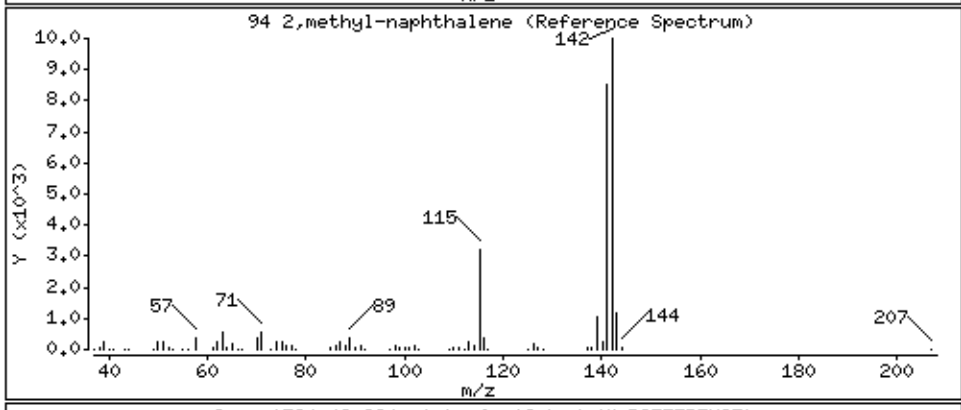
Concentration: 10.1 ppb

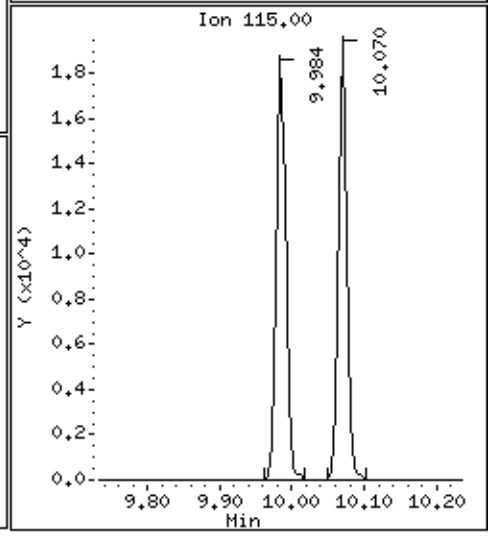


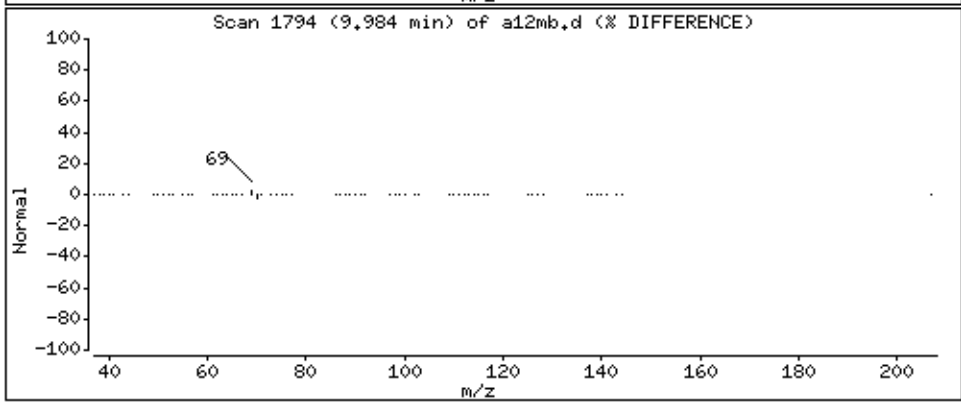












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a12mb.d

Date : 03-JUL-2014 22:23

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123194

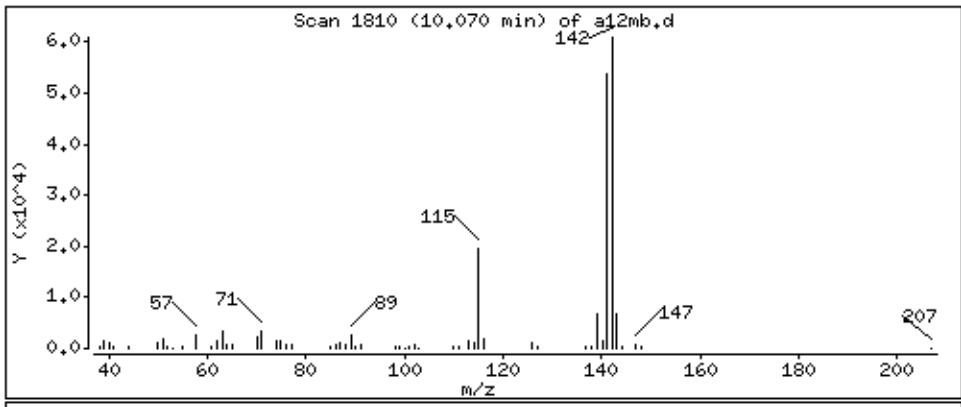
Operator: ala

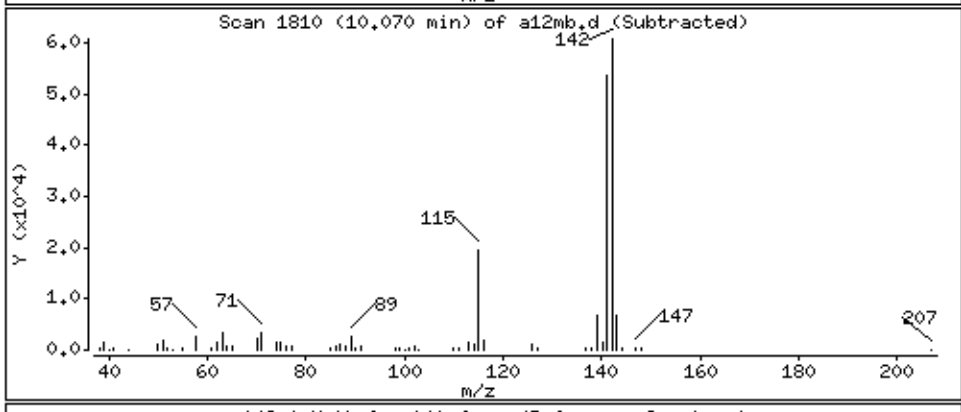
Column phase: DB-624

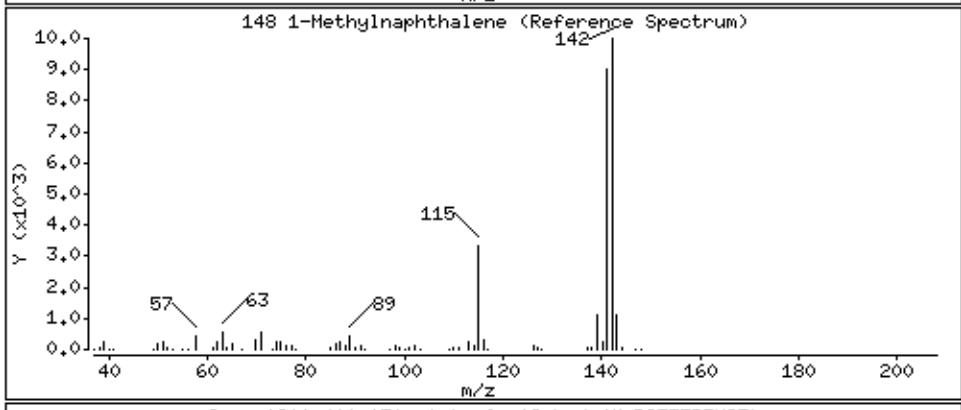
Column diameter: 0.18

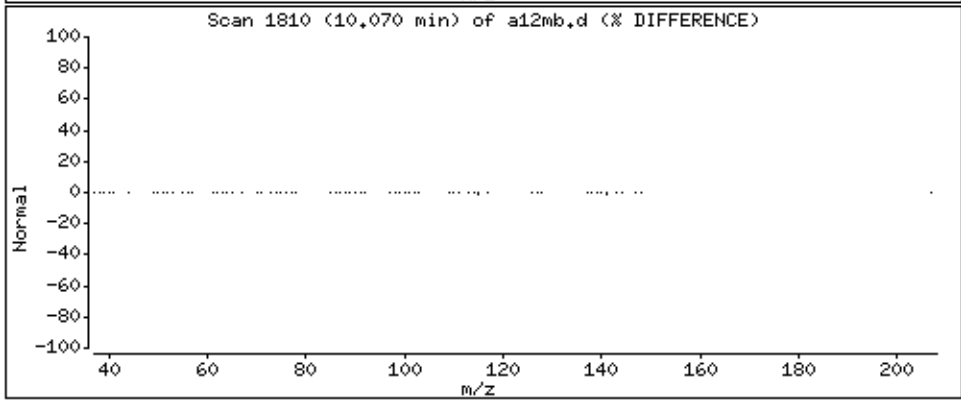
148 1-Methylnaphthalene

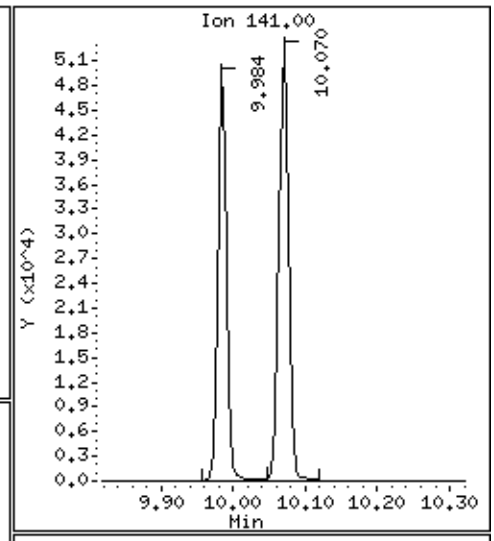
Concentration: 11.4 ppb

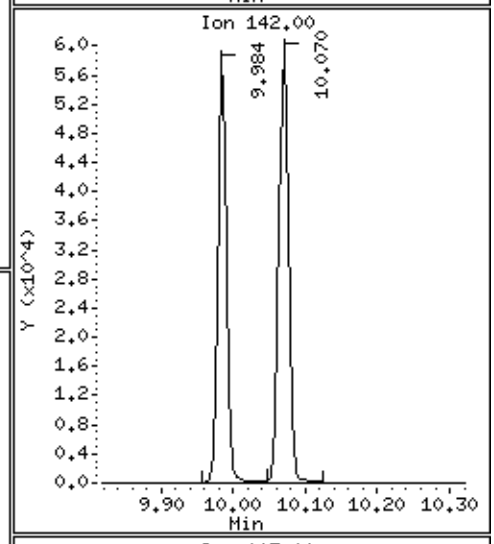


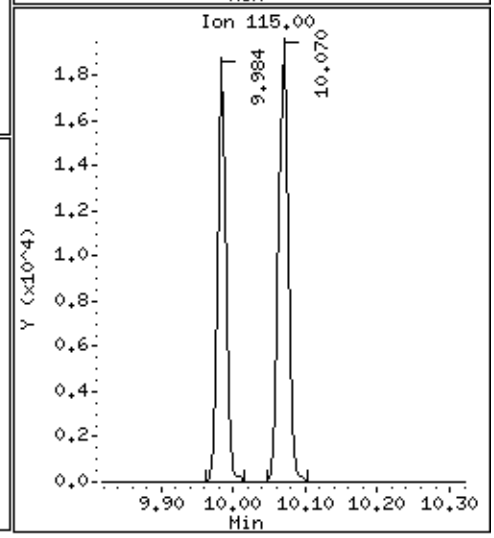












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a12mb.d
Injection Date: 03-JUL-2014 22:23
Instrument: 50mv6b.i
Lab Sample ID: 1123194
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

BLANK

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 04:45 Lab Sample ID: 1123224

Date Analyzed: 07/04/2014 04:45 Lab File ID: B070314CAL.B\C03MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

SAMPLE NO.

BLANK

MSV - FORM I VOA-2

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 04:45 Lab Sample ID: 1123224

Date Analyzed: 07/04/2014 04:45 Lab File ID: B070314CAL.B\C03MB.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B 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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d
Lab Smp Id: 1123226 Client Smp ID: MB
Inj Date : 04-JUL-2014 04:45
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1123226
Misc Info : 66497
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 26 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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	9 Acrolein	56	1.531	1.531	(0.377)	682	3.03199	3.03
	19 Acrylonitrile	53	1.981	1.980	(0.487)	2957	2.75514	2.76
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	139412	56.5913	56.6
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	475677	50.0000	
$	51 Toluene-d8	98	5.864	5.859	(0.822)	428761	46.6053	46.6
	52 Toluene	91	5.929	5.928	(0.831)	1715	0.12149	0.121
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	390381	50.0000	
	64 Ethylbenzene	106	7.234	7.228	(1.014)	572	0.11565	0.116(Q)
	65 m&p-Xylene	106	7.320	7.325	(1.026)	1635	0.25991	0.260
	68 Styrene	104	7.576	7.576	(1.062)	1376	0.14470	0.145
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	167202	53.5624	53.6
	76 n-Propylbenzene	91	8.015	8.015	(0.945)	3885	0.20681	0.207
	77 2-Chlorotoluene	91	8.058	8.058	(0.950)	2326	0.19996	0.200
	78 1,3,5-Trimethylbenzene	105	8.117	8.117	(0.957)	3365	3.12826	3.13
	79 4-Chlorotoluene	126	8.122	8.127	(0.957)	718	0.16043	0.160(Q)
	81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	4199	2.93506	2.94
	82 sec-Butylbenzene	105	8.384	8.389	(0.988)	7003	3.79707	3.80
	83 1,3-Dichlorobenzene	146	8.443	8.443	(0.995)	2255	0.27699	0.277
	84 p-Isopropyltoluene	119	8.464	8.464	(0.997)	5639	3.45699	3.46
*	85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	219141	50.0000	
	86 1,4-Dichlorobenzene	146	8.496	8.496	(1.001)	2599	0.30148	0.301(Q)

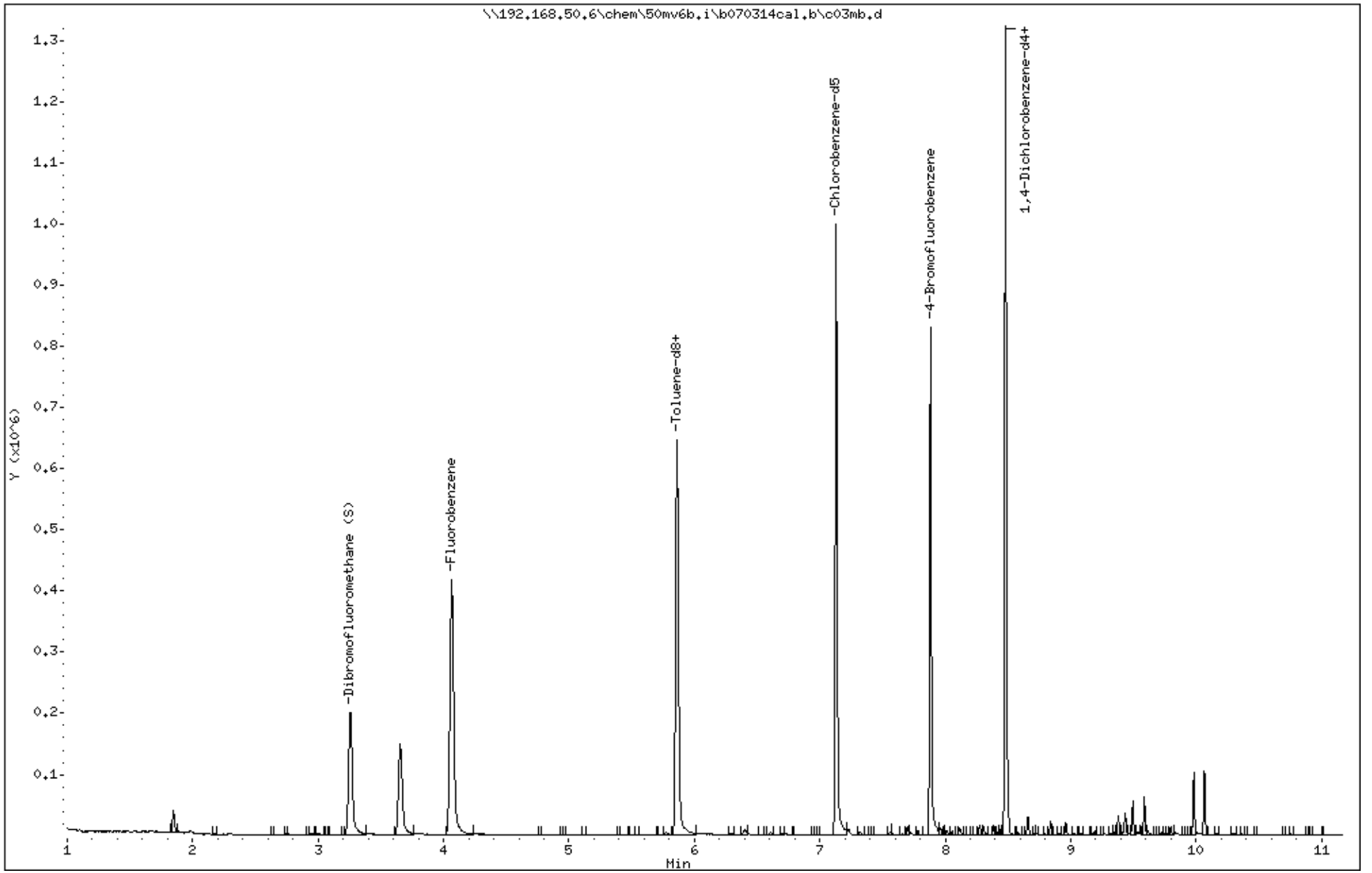
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
87 n-Butylbenzene	91	8.657	8.662	(1.020)	5677	0.88089	0.881
91 Hexachlorobutadiene	225	9.438	9.443	(1.112)	2601	1.30222	1.30
94 2,methyl-naphthalene	142	9.984	9.984	(1.177)	27504	3.94612	3.95
148 1-Methylnaphthalene	141	10.069	10.069	(1.187)	25476	2.26043	2.26

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d
Date : 04-JUL-2014 04:45
Client ID: MB
Sample Info: 1123226

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

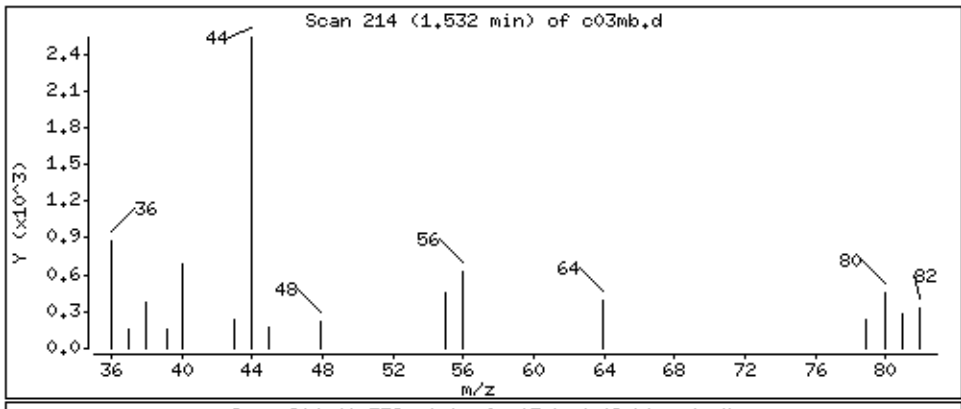
Operator: ala

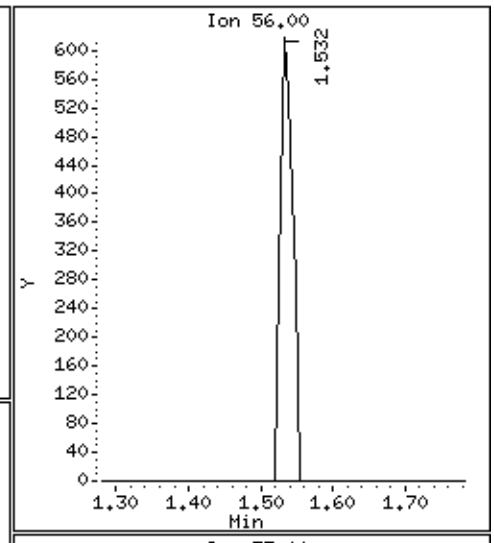
Column phase: DB-624

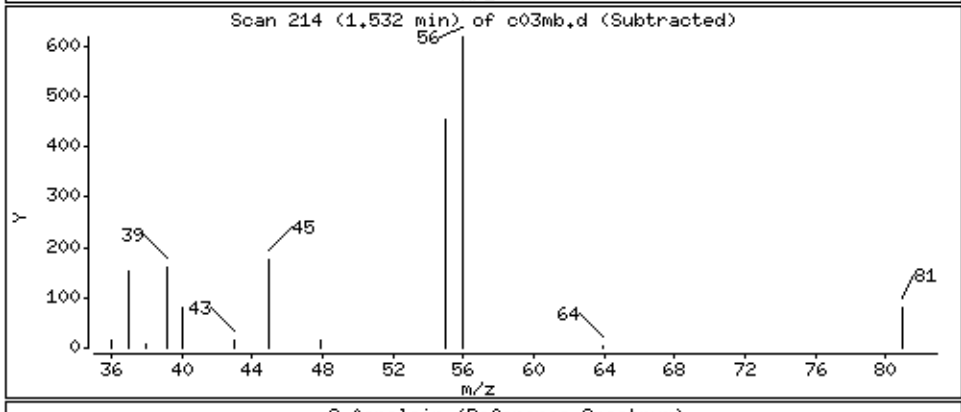
Column diameter: 0.18

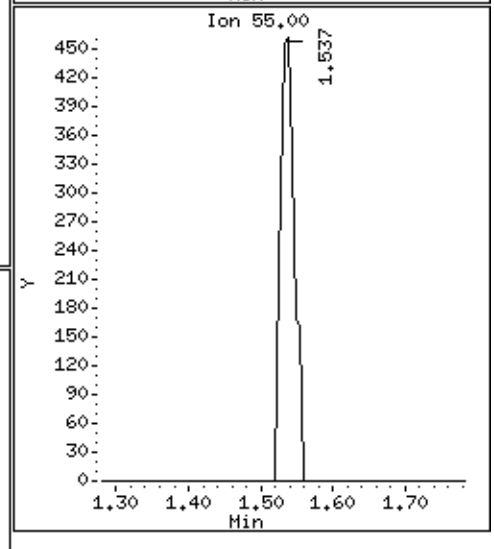
9 Acrolein

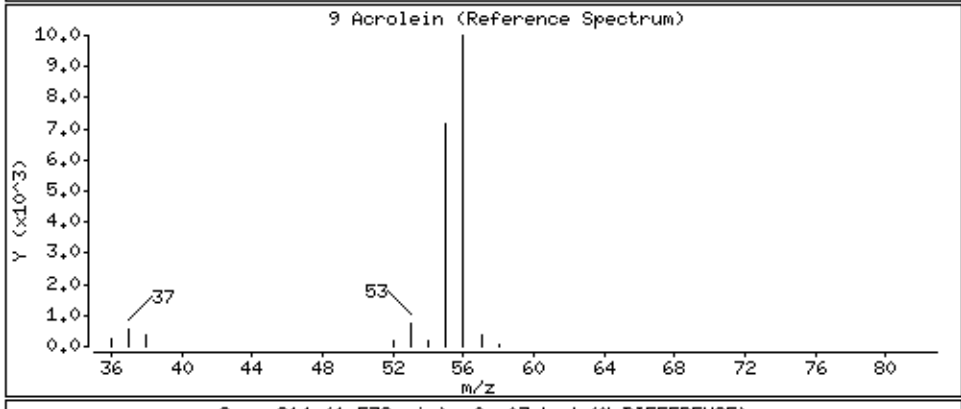
Concentration: 3.03 ppb

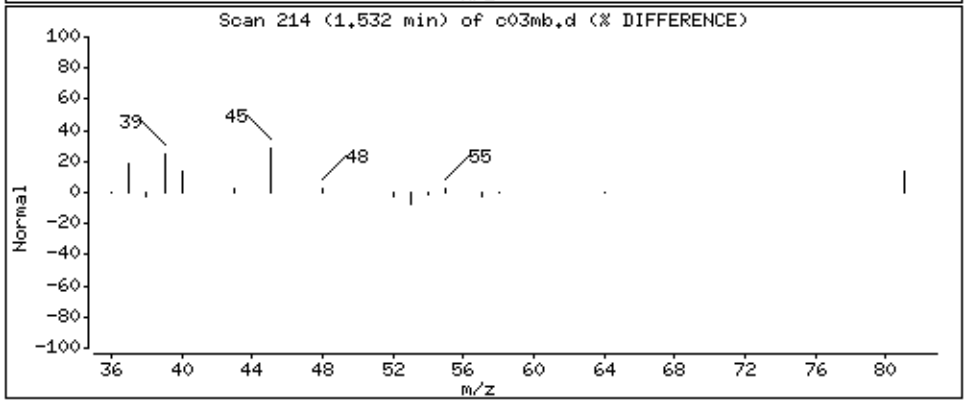












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

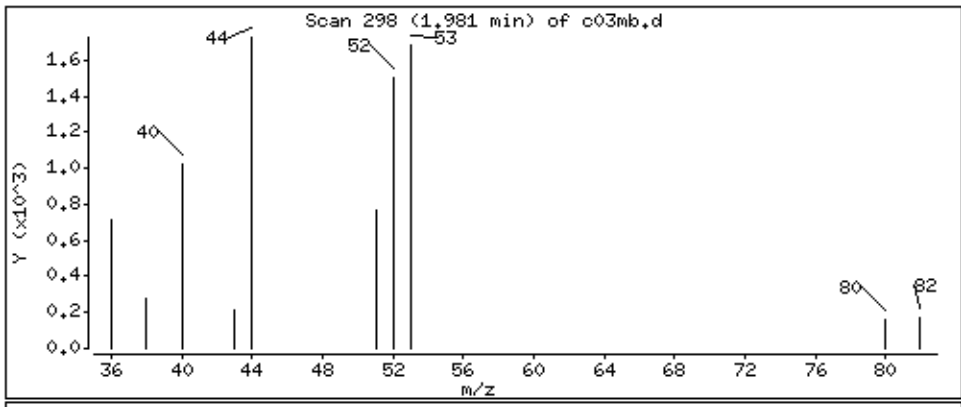
Operator: ala

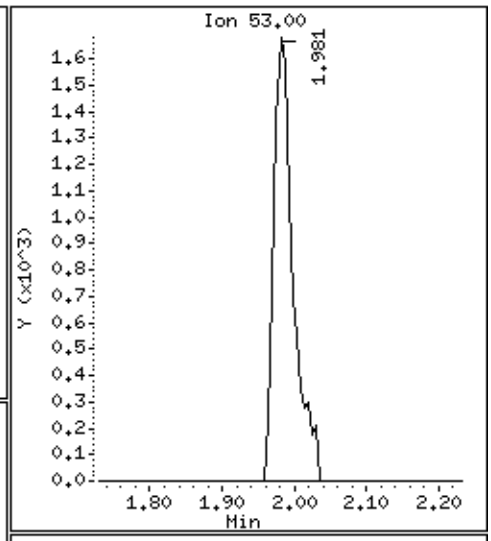
Column phase: DB-624

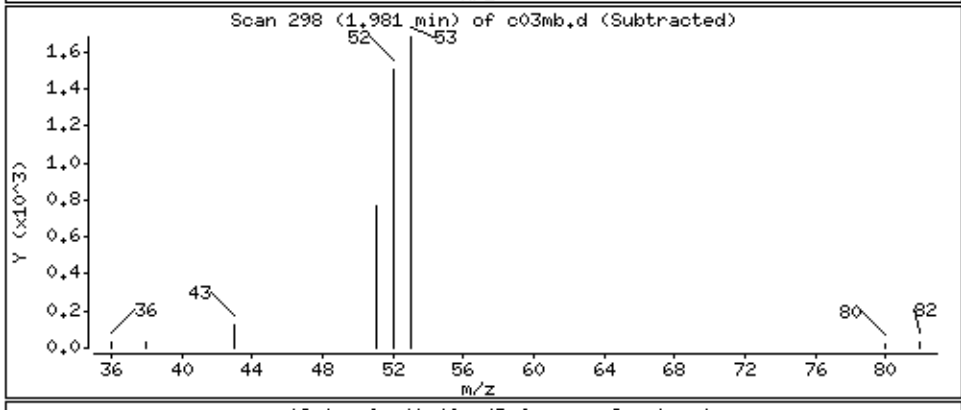
Column diameter: 0.18

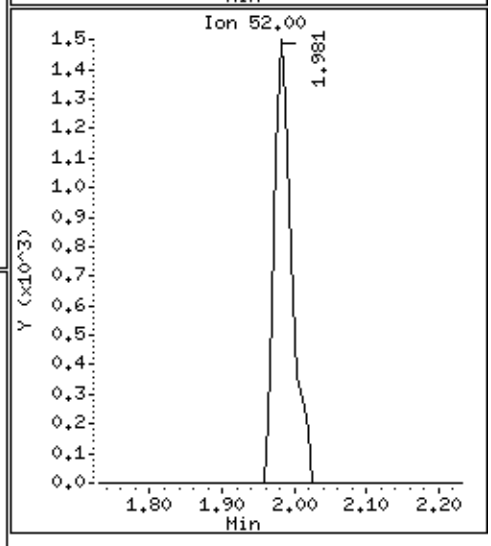
19 Acrylonitrile

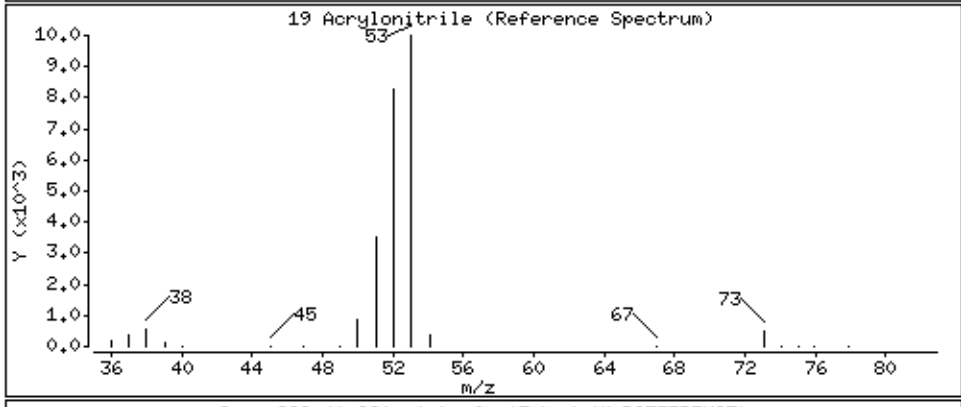
Concentration: 2.76 ppb

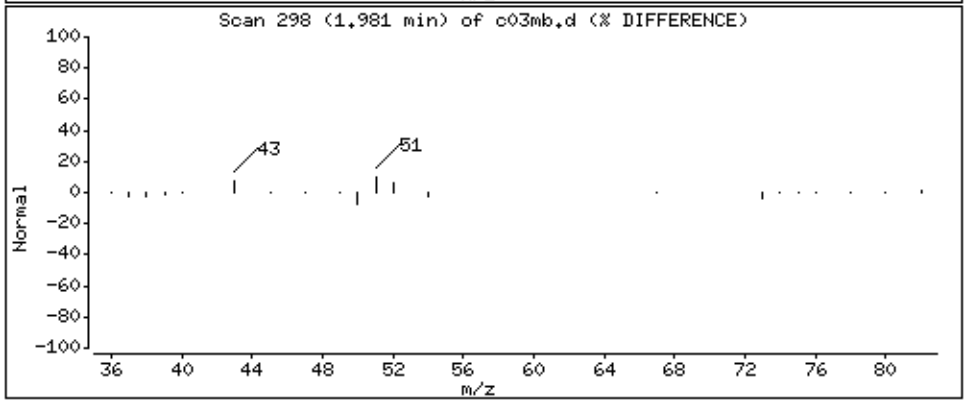












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

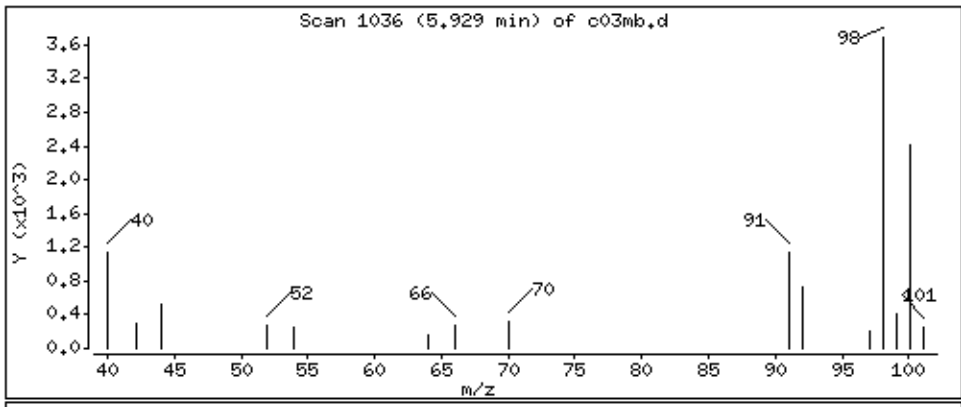
Operator: ala

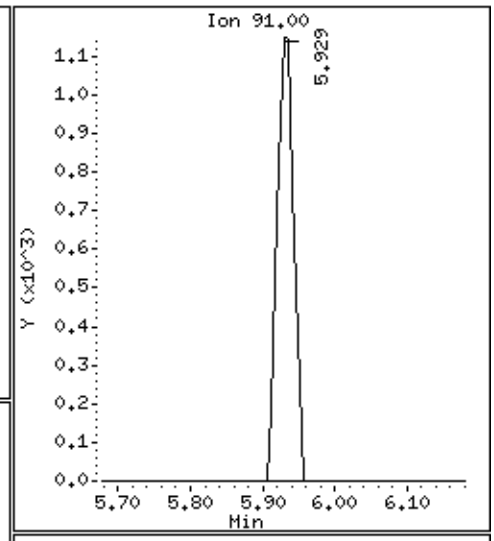
Column phase: DB-624

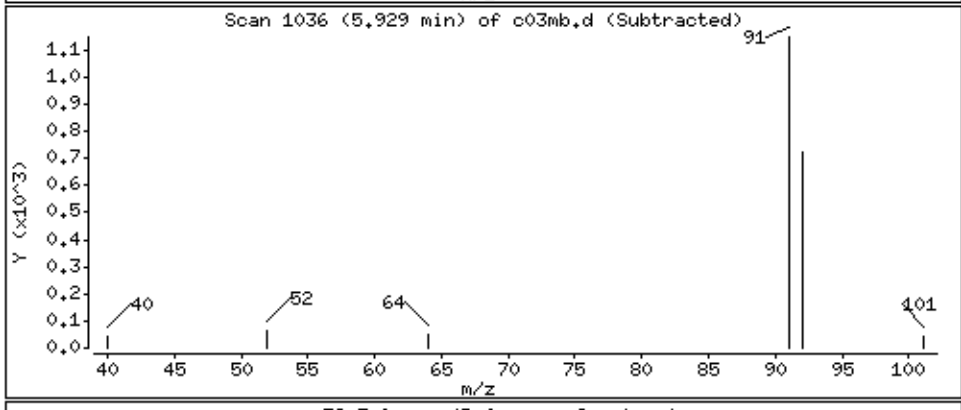
Column diameter: 0.18

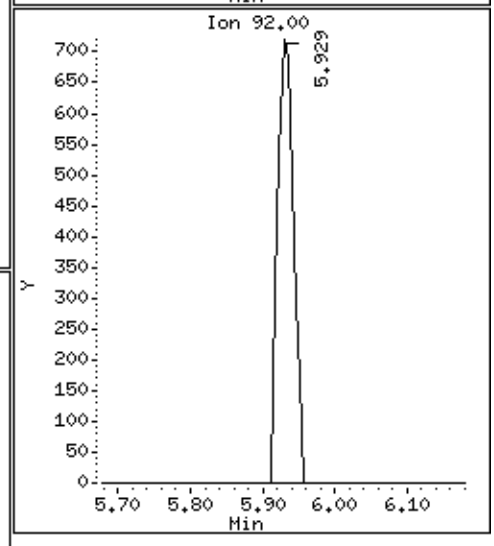
52 Toluene

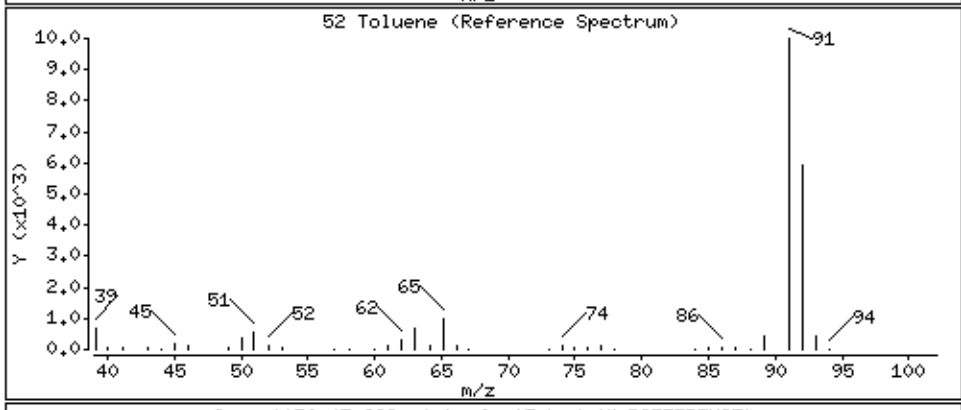
Concentration: 0.121 ppb

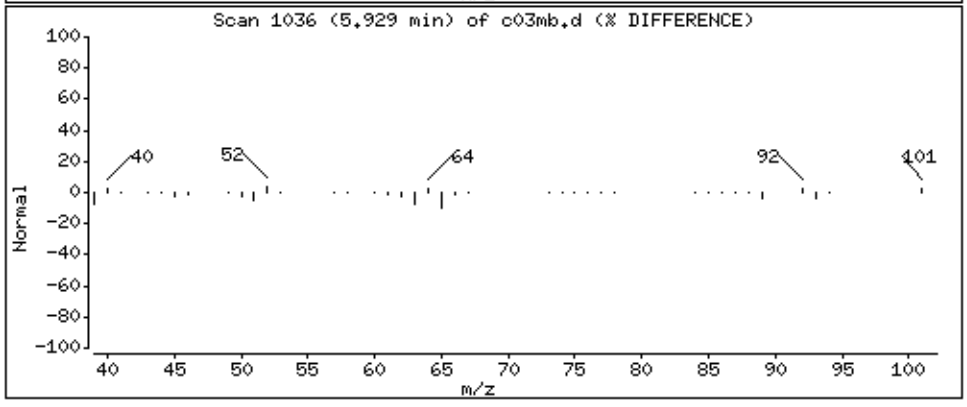












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

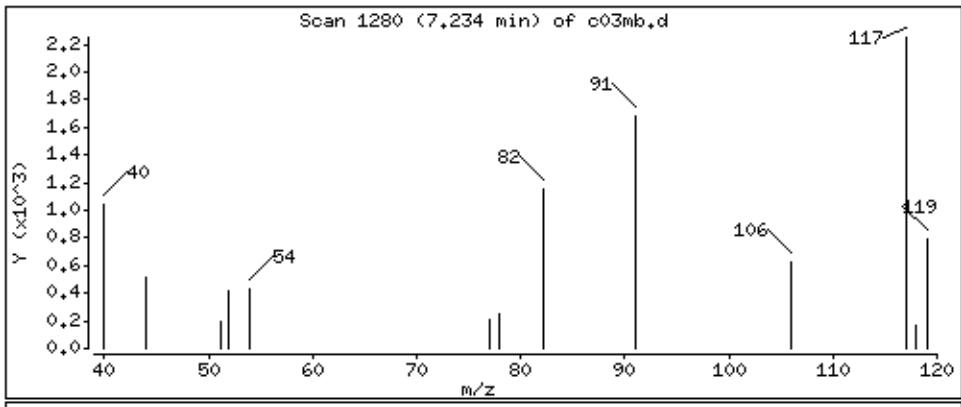
Operator: ala

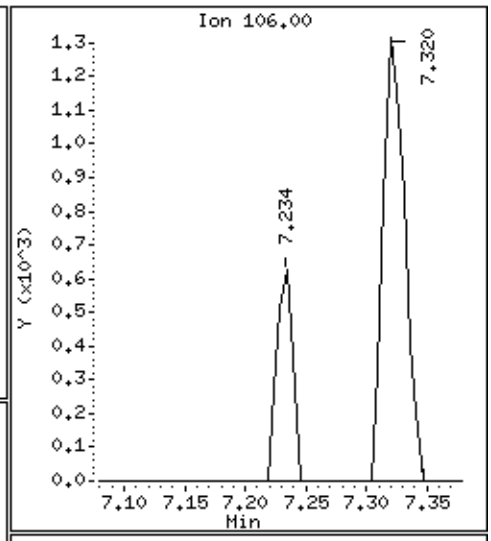
Column phase: DB-624

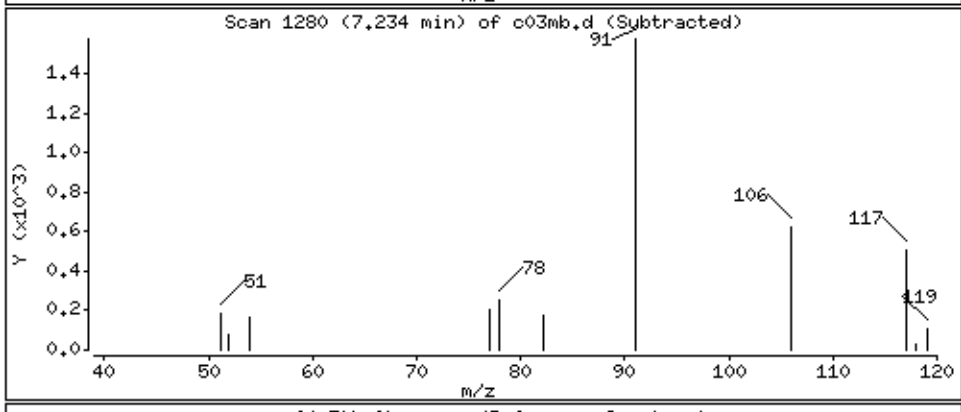
Column diameter: 0.18

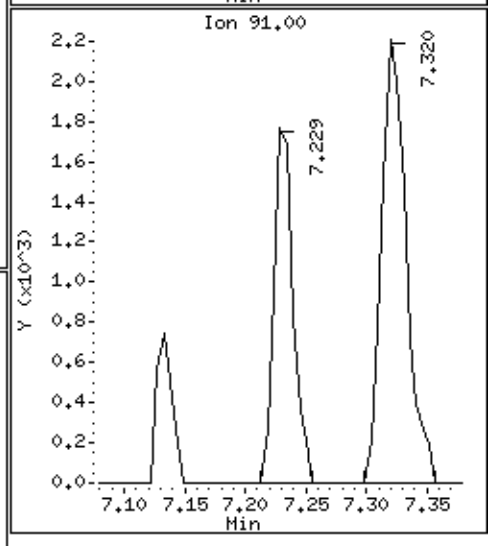
64 Ethylbenzene

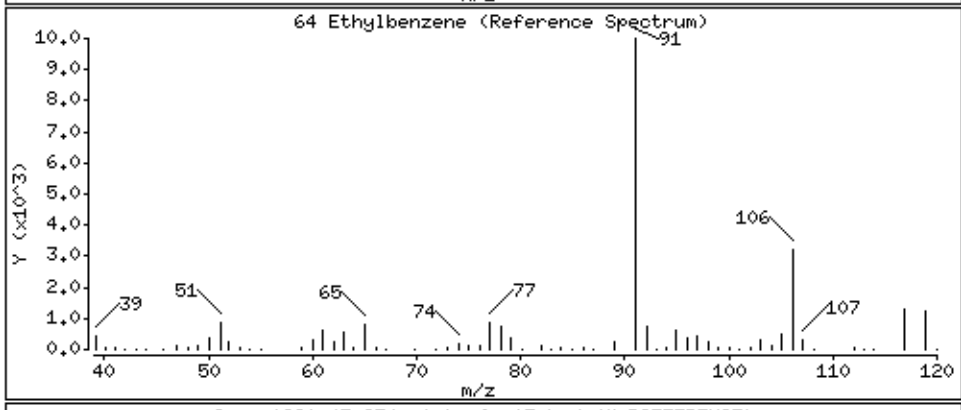
Concentration: 0.116 ppb

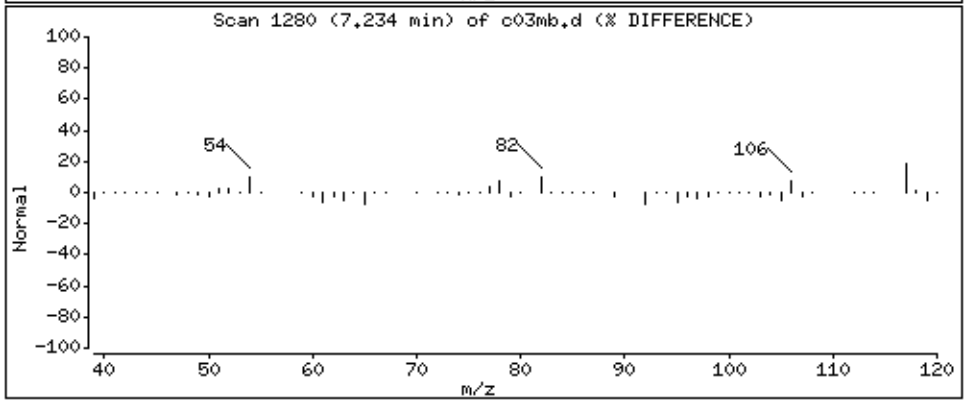












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

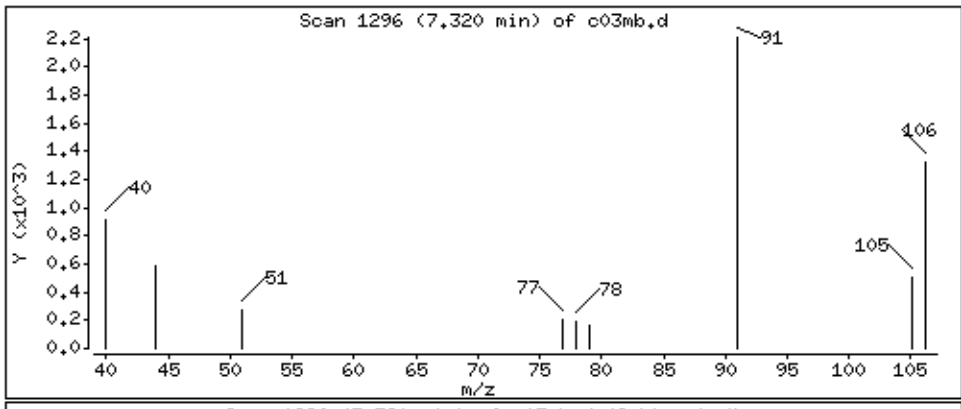
Operator: ala

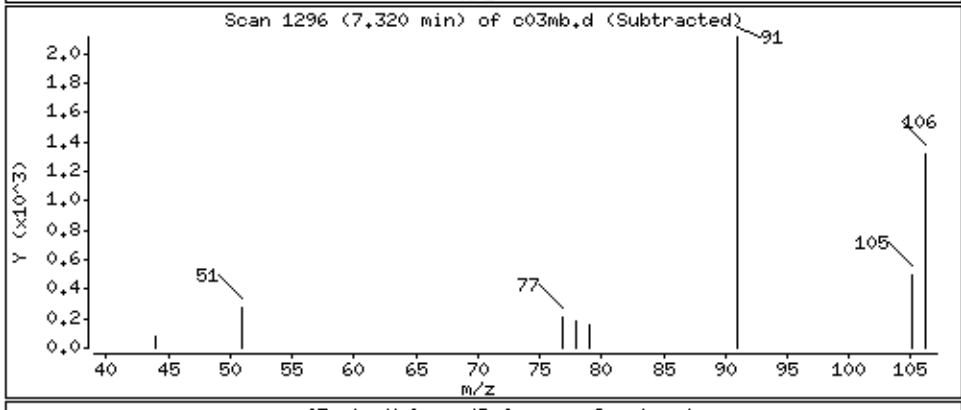
Column phase: DB-624

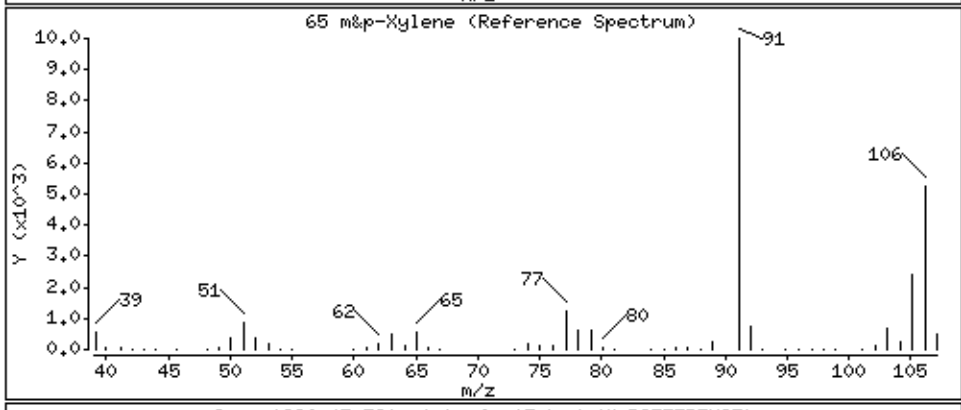
Column diameter: 0.18

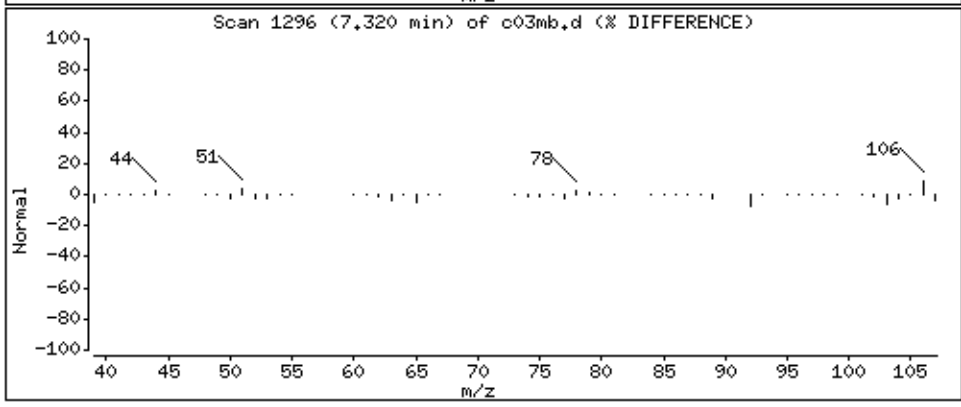
65 m&p-Xylene

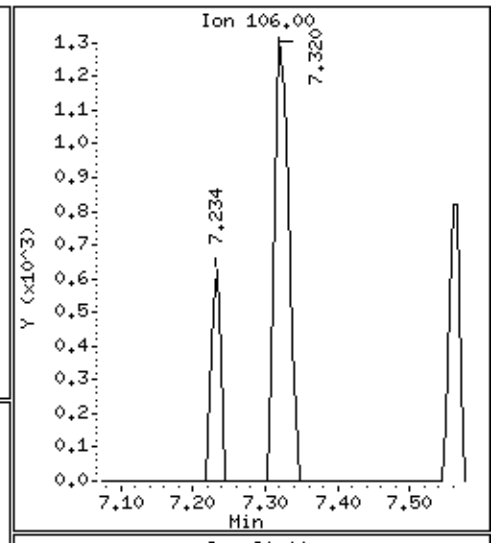
Concentration: 0.260 ppb

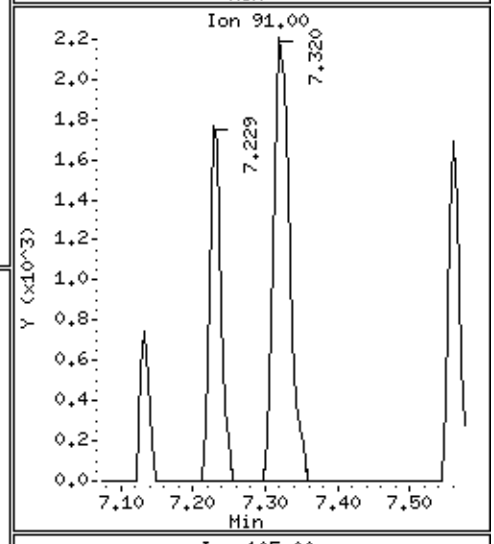


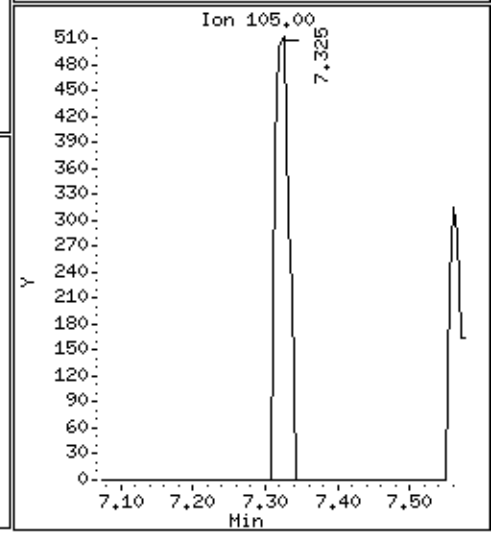












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

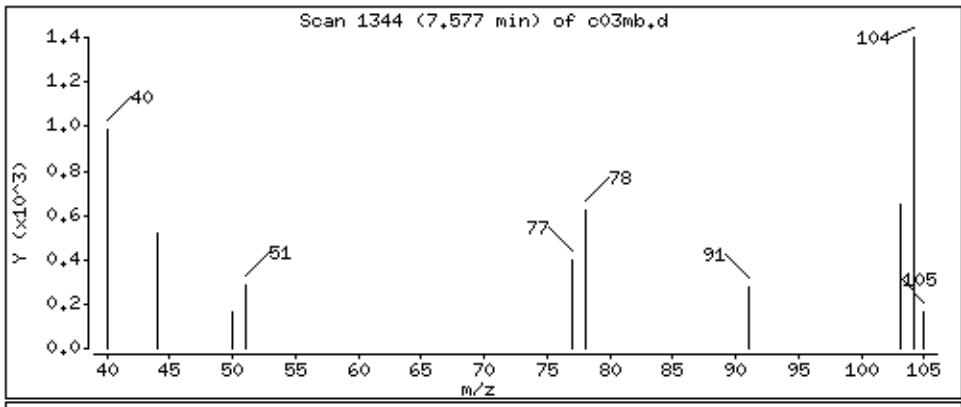
Operator: ala

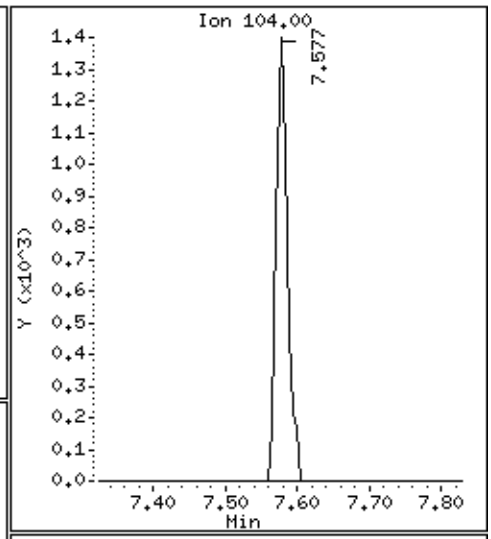
Column phase: DB-624

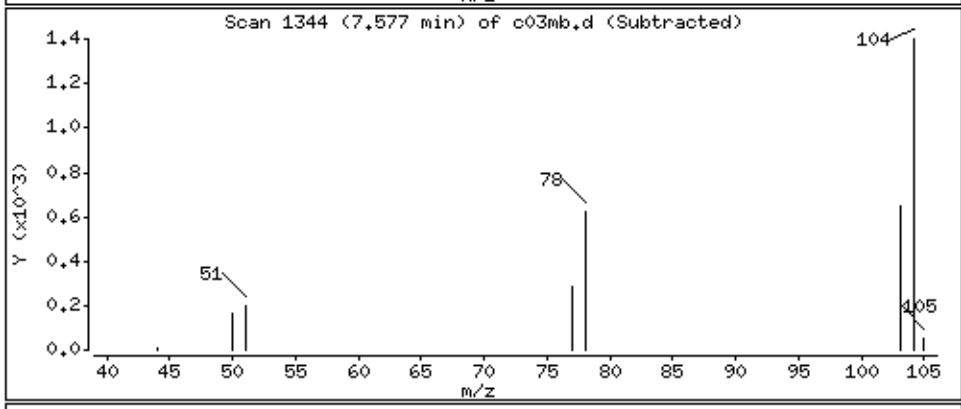
Column diameter: 0.18

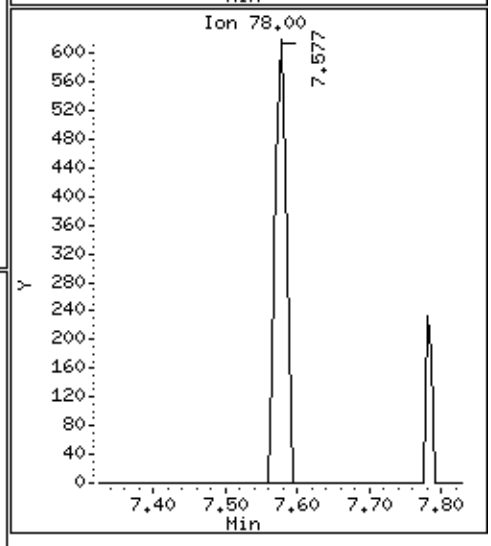
68 Styrene

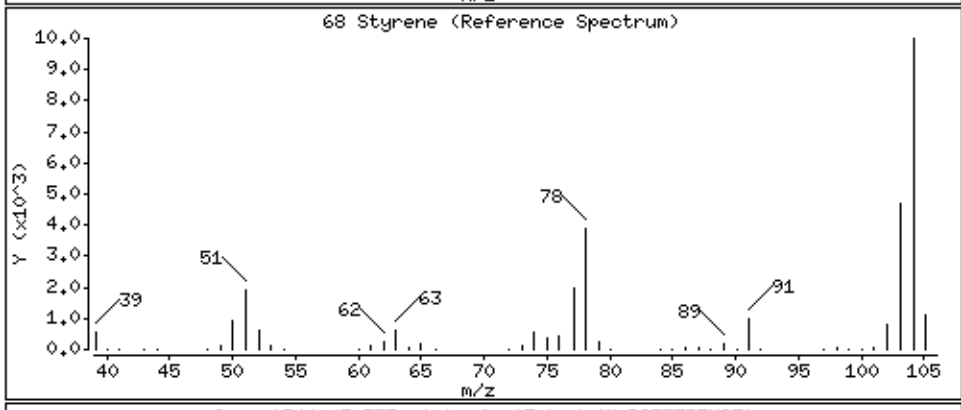
Concentration: 0.145 ppb

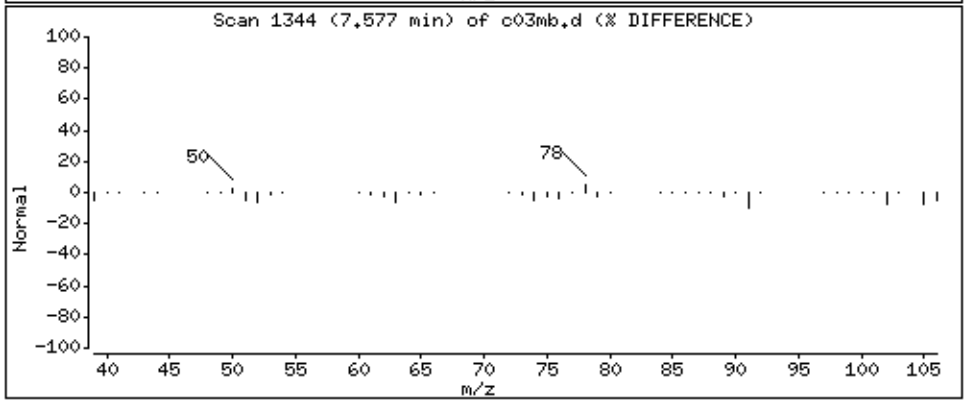












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

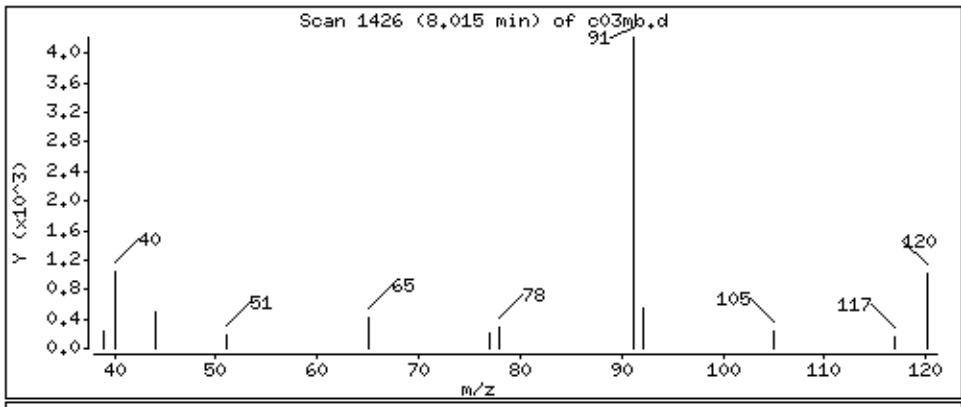
Operator: ala

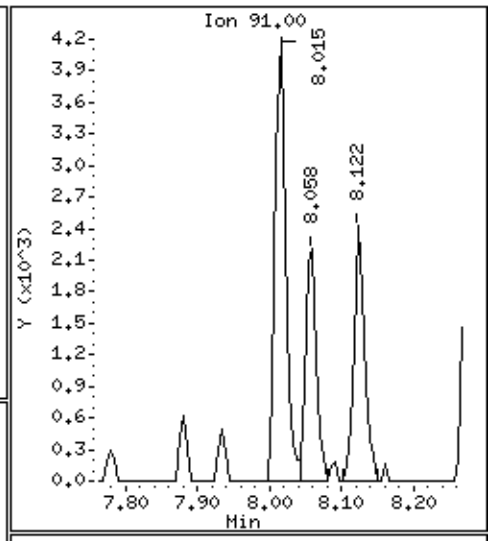
Column phase: DB-624

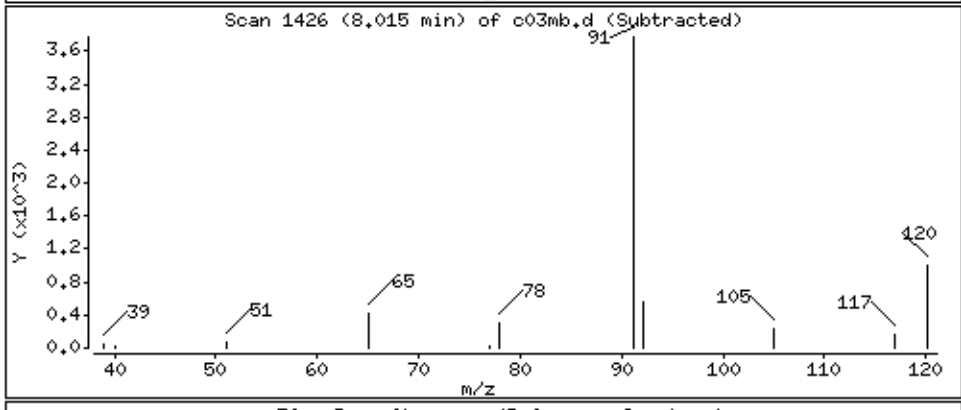
Column diameter: 0.18

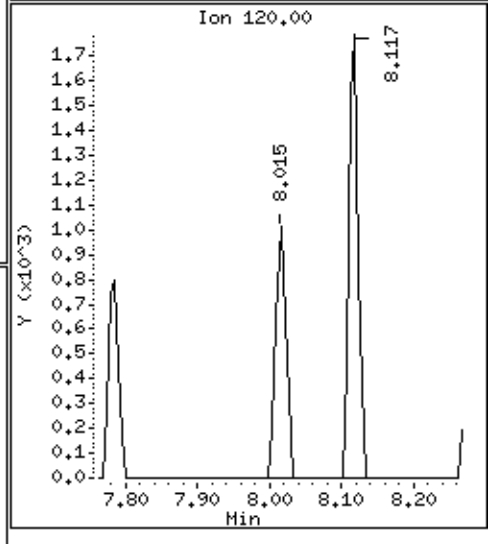
76 n-Propylbenzene

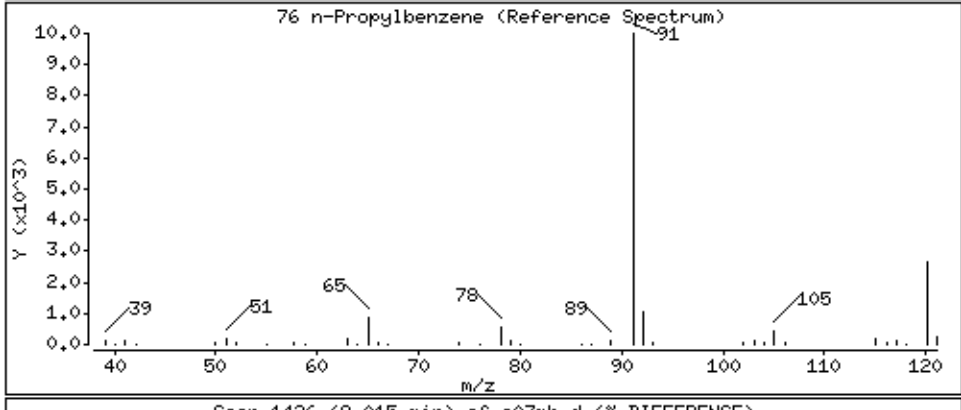
Concentration: 0.207 ppb

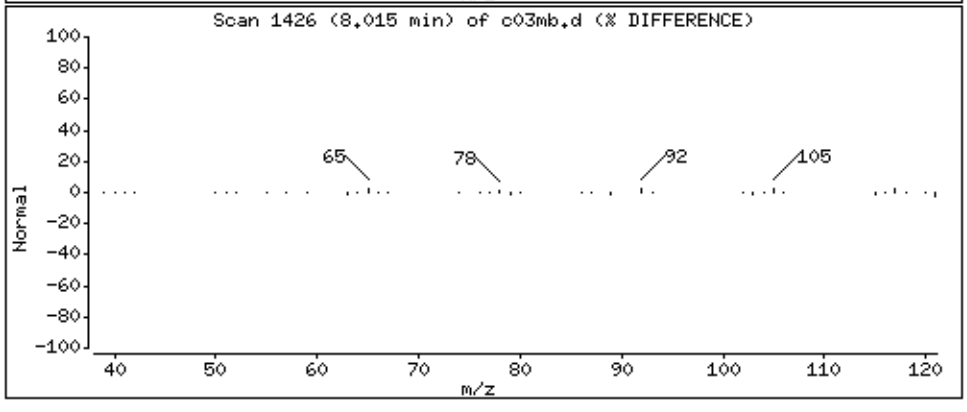












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

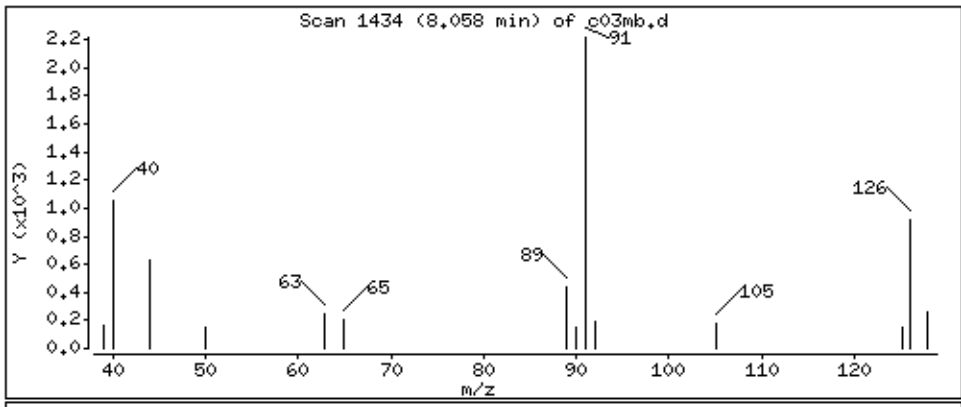
Operator: ala

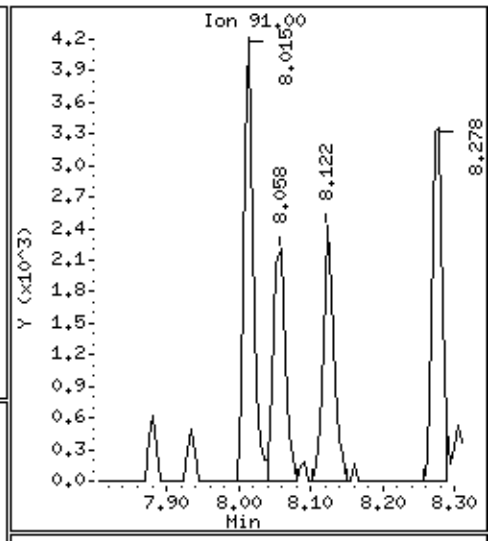
Column phase: DB-624

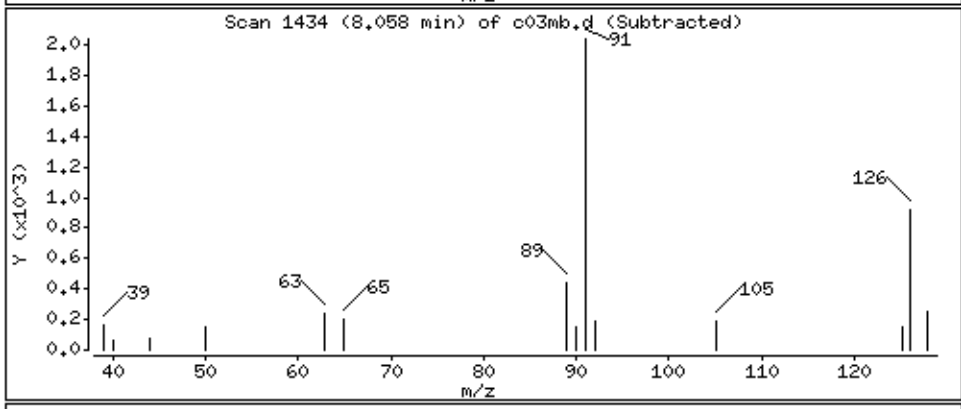
Column diameter: 0.18

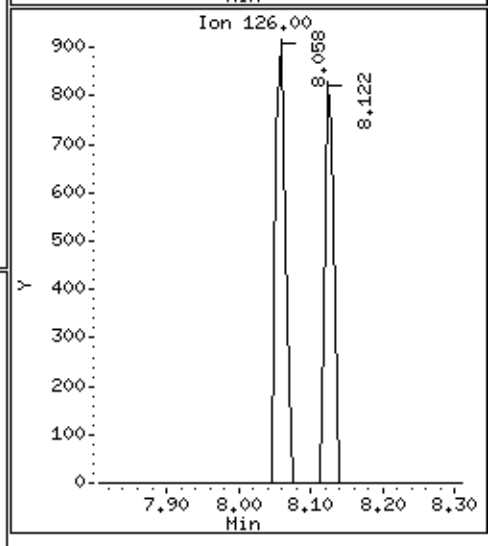
77 2-Chlorotoluene

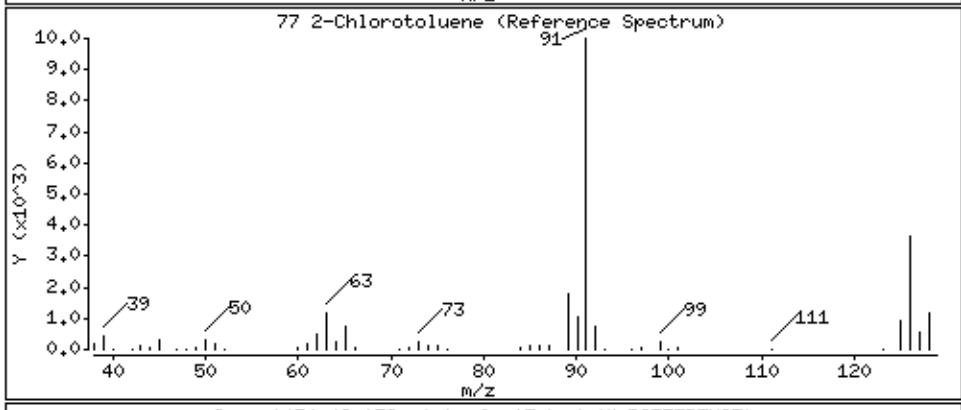
Concentration: 0.200 ppb

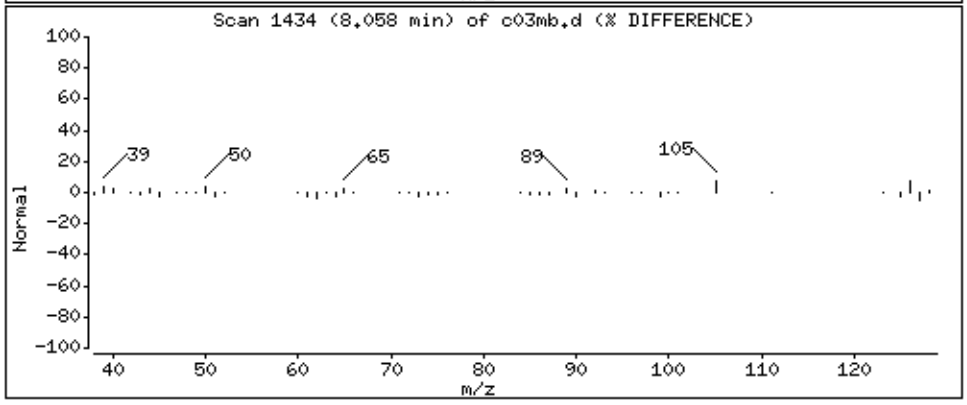












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

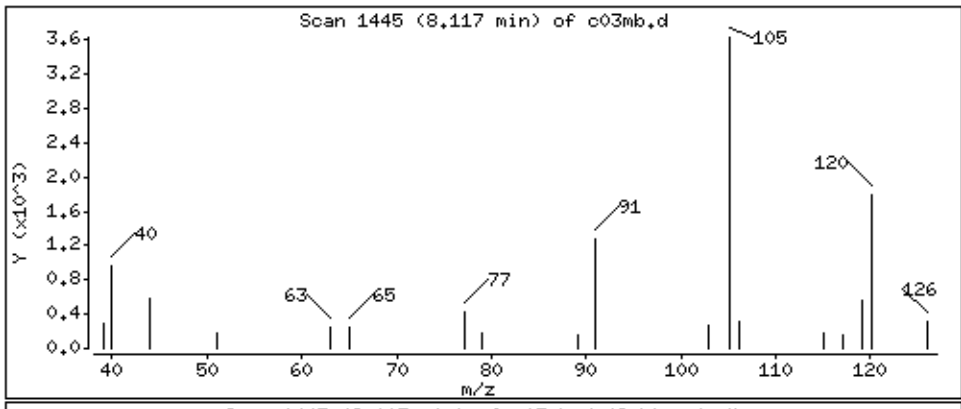
Operator: ala

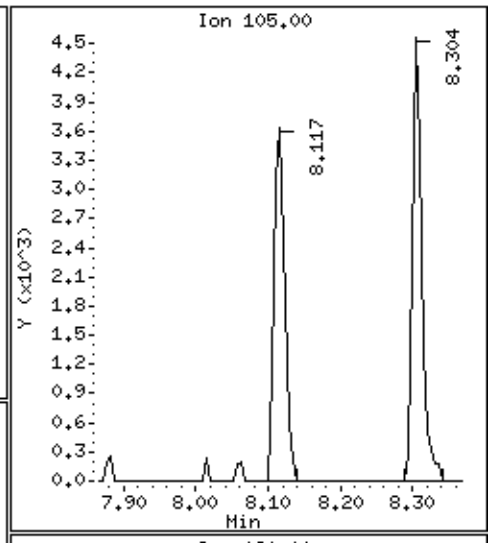
Column phase: DB-624

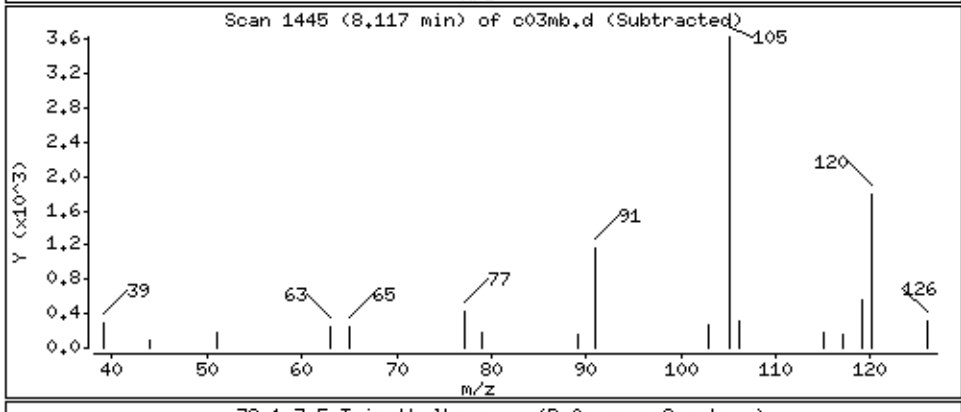
Column diameter: 0.18

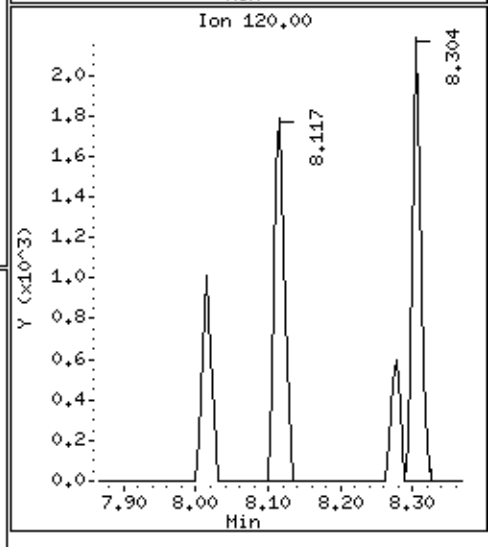
78 1,3,5-Trimethylbenzene

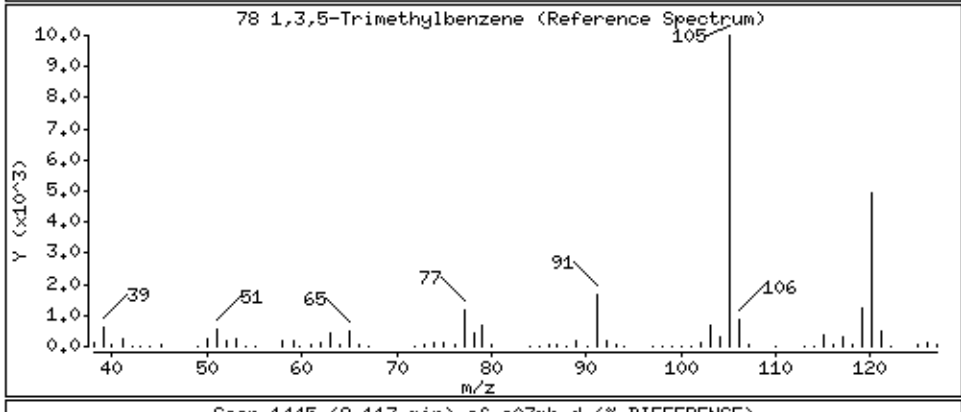
Concentration: 3.13 ppb

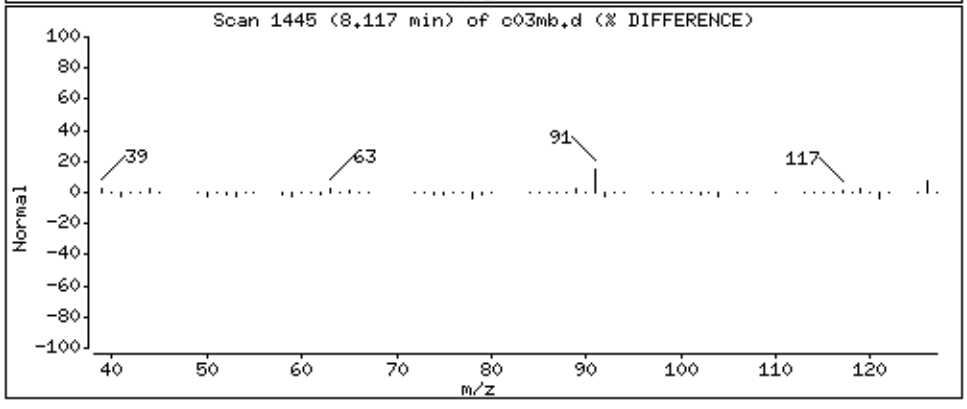












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

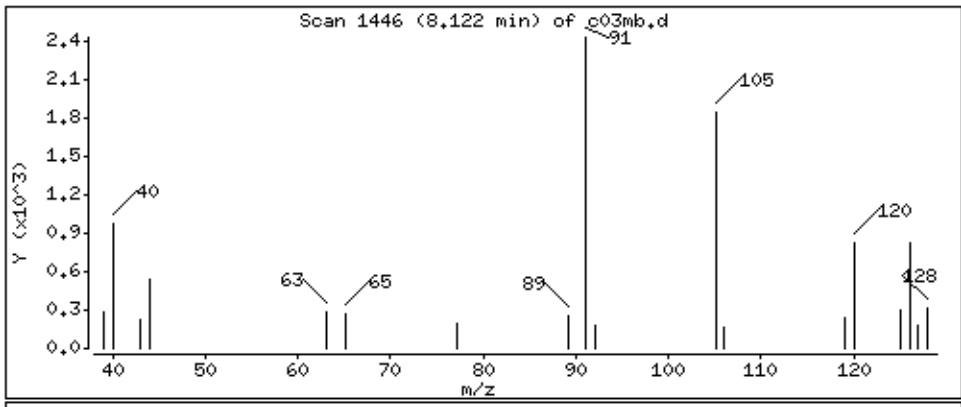
Operator: ala

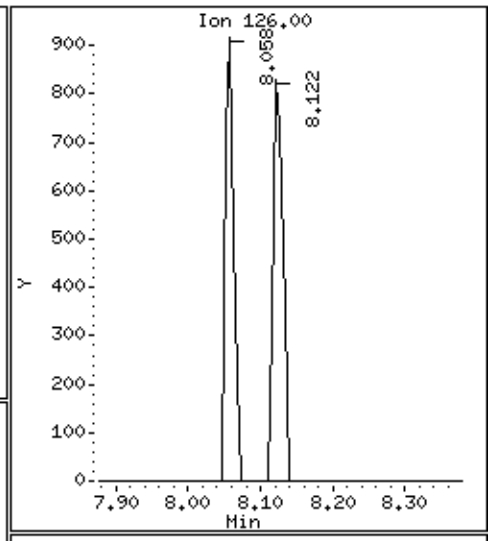
Column phase: DB-624

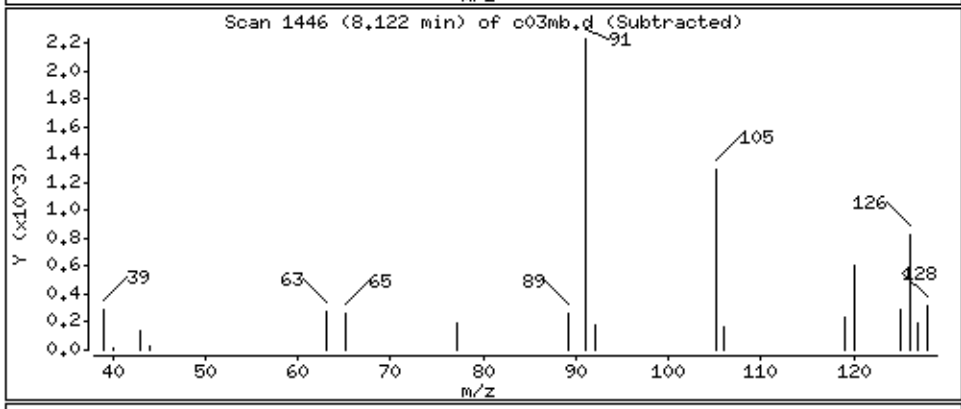
Column diameter: 0.18

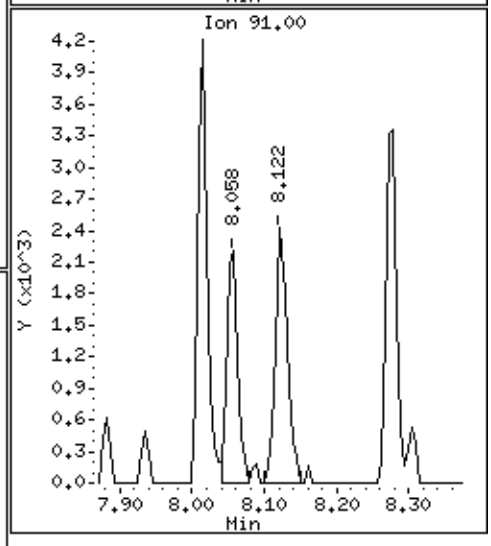
79 4-Chlorotoluene

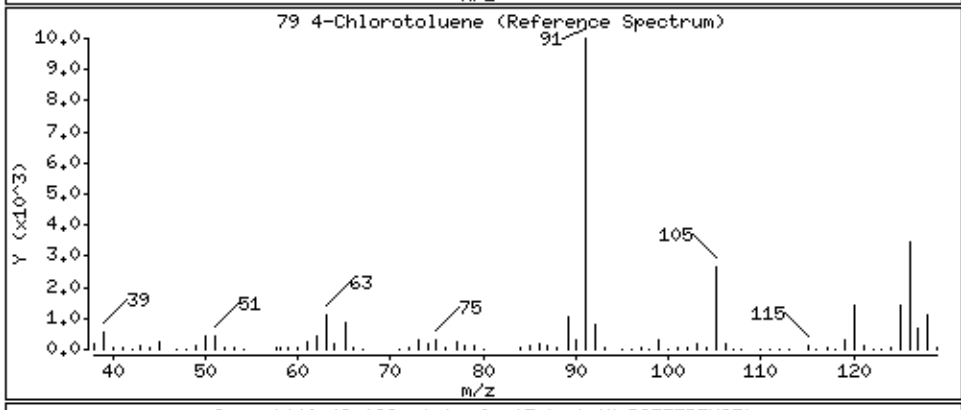
Concentration: 0.160 ppb

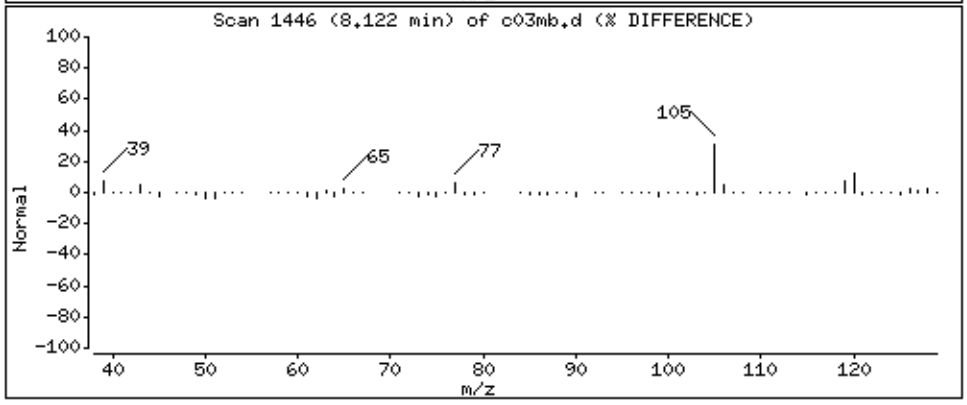












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

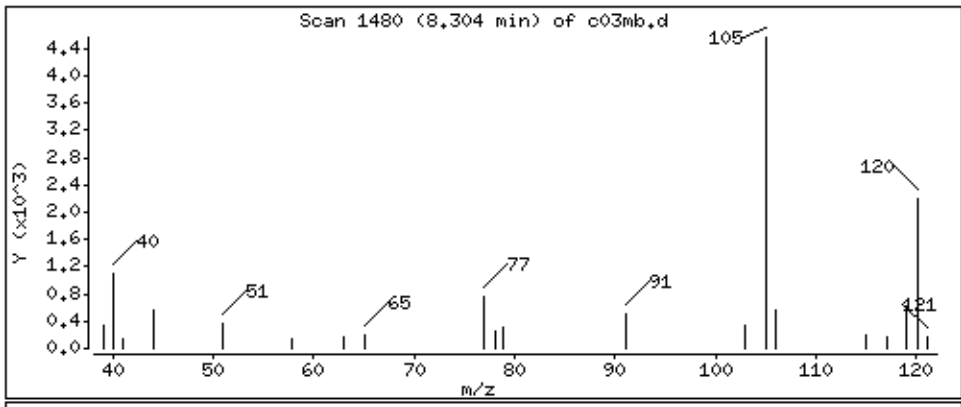
Operator: ala

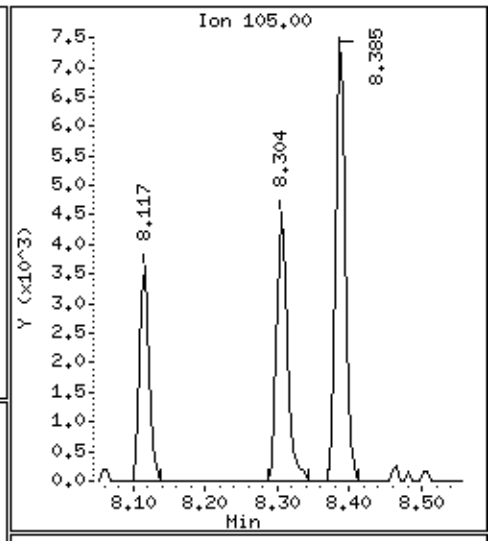
Column phase: DB-624

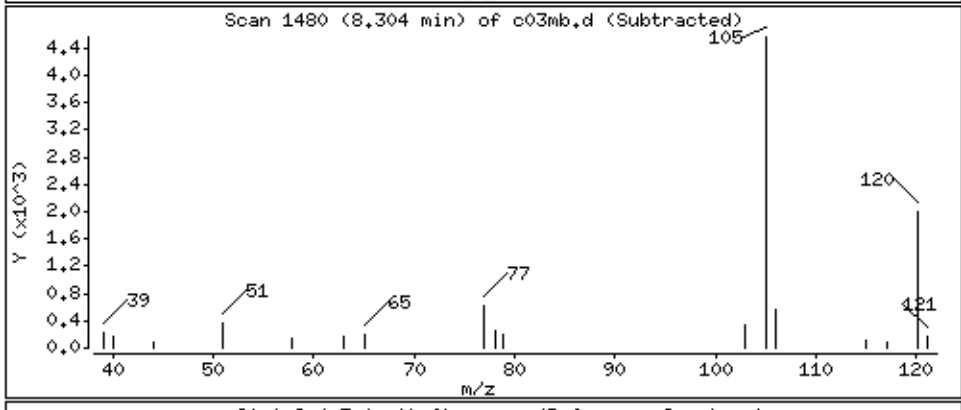
Column diameter: 0.18

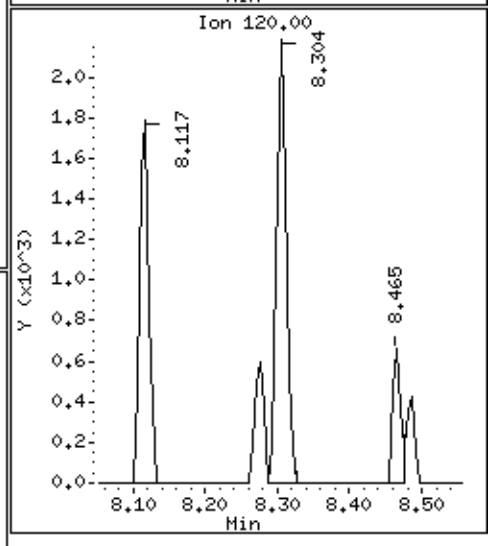
81 1,2,4-Trimethylbenzene

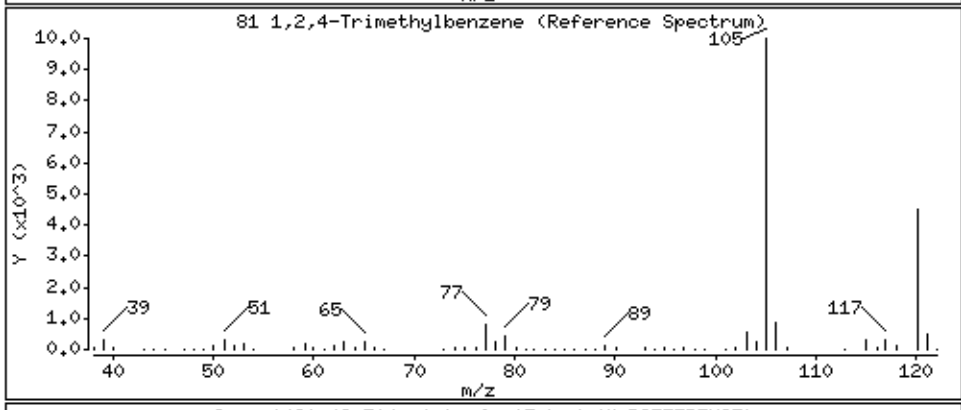
Concentration: 2.94 ppb

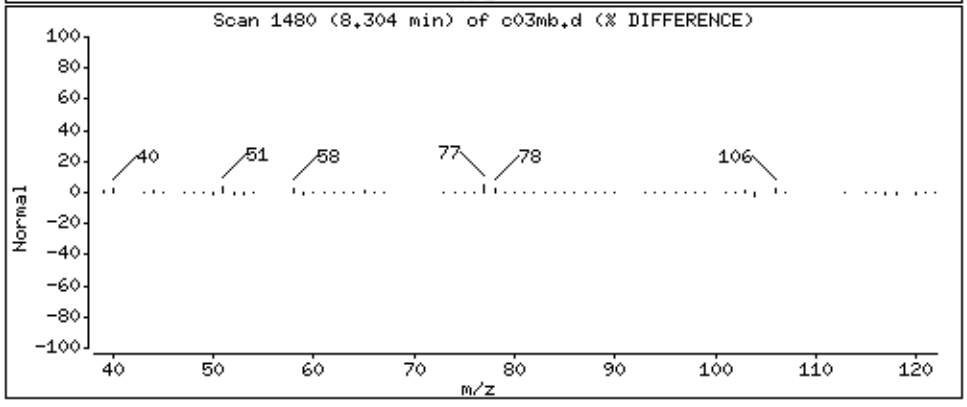












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

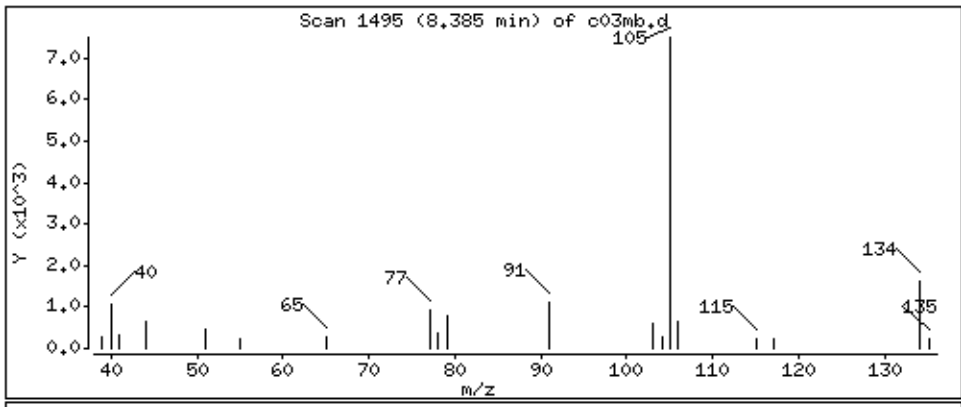
Operator: ala

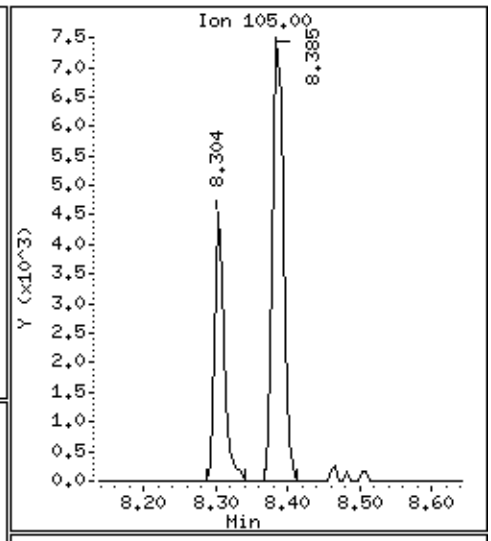
Column phase: DB-624

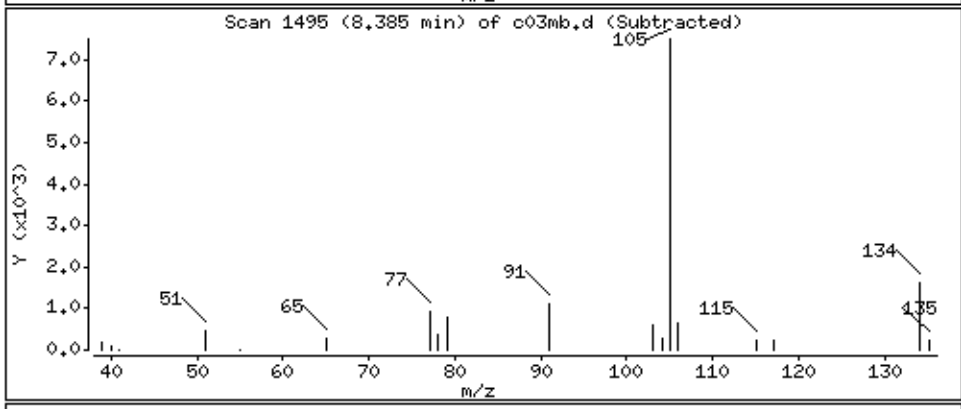
Column diameter: 0.18

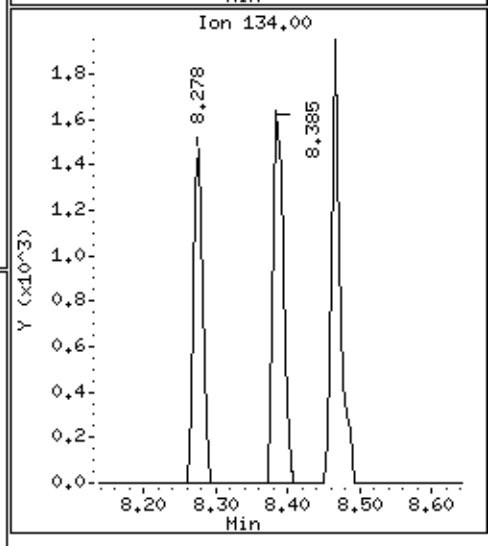
82 sec-Butylbenzene

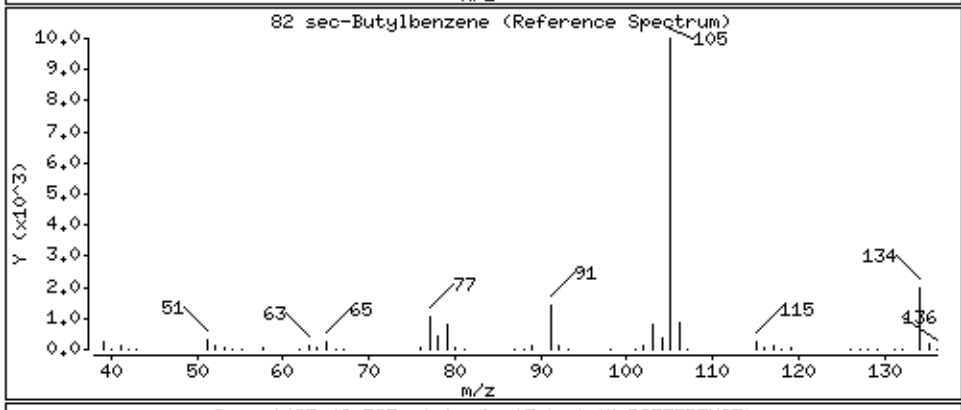
Concentration: 3.80 ppb

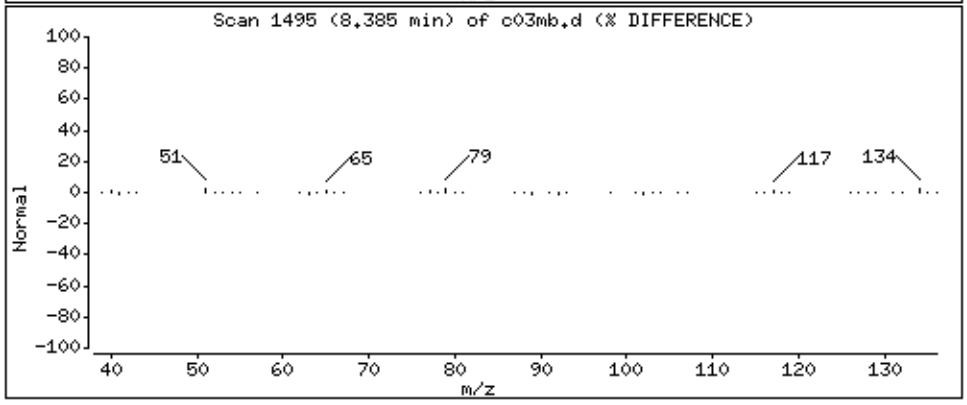












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

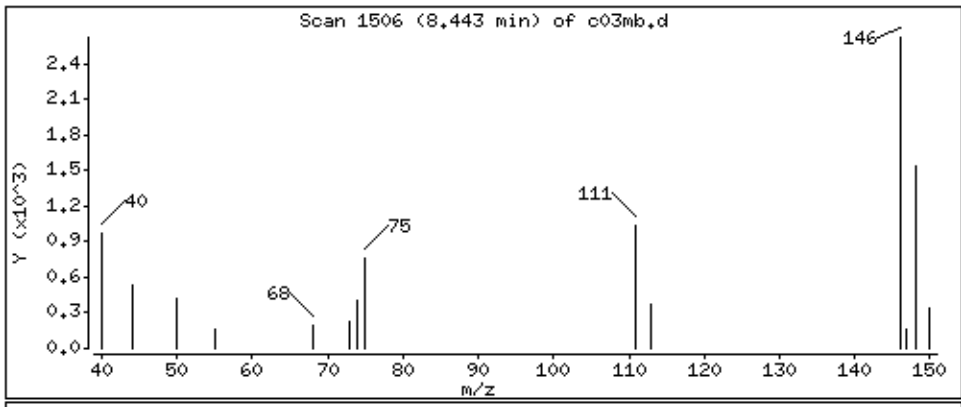
Operator: ala

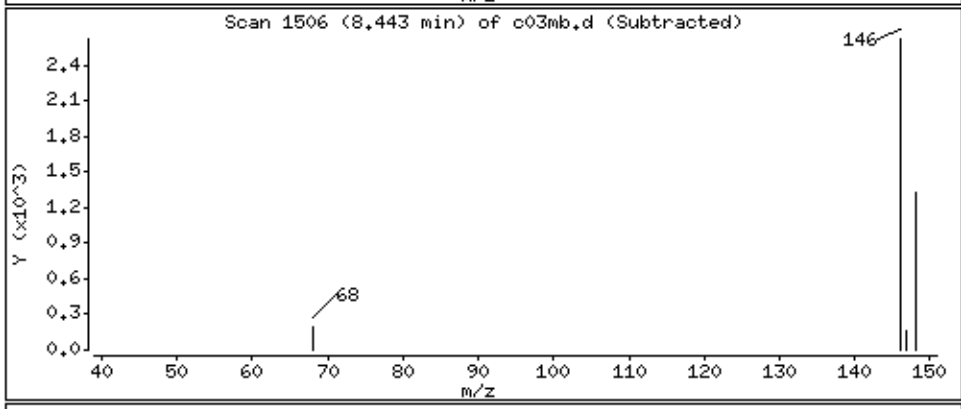
Column phase: DB-624

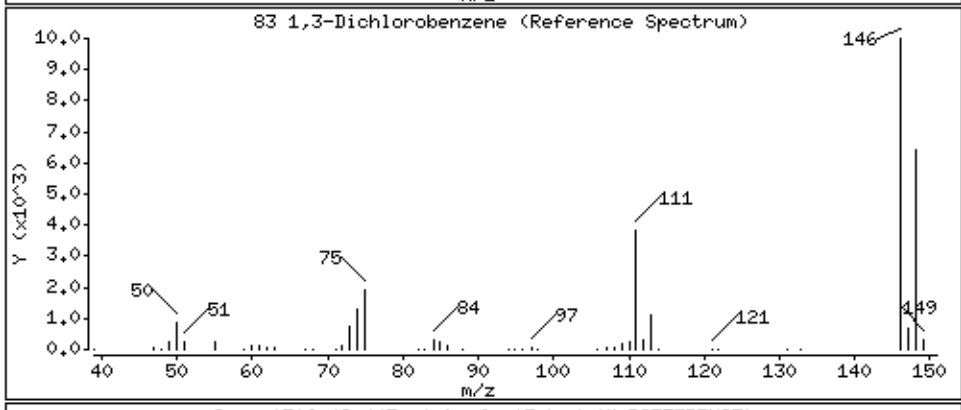
Column diameter: 0.18

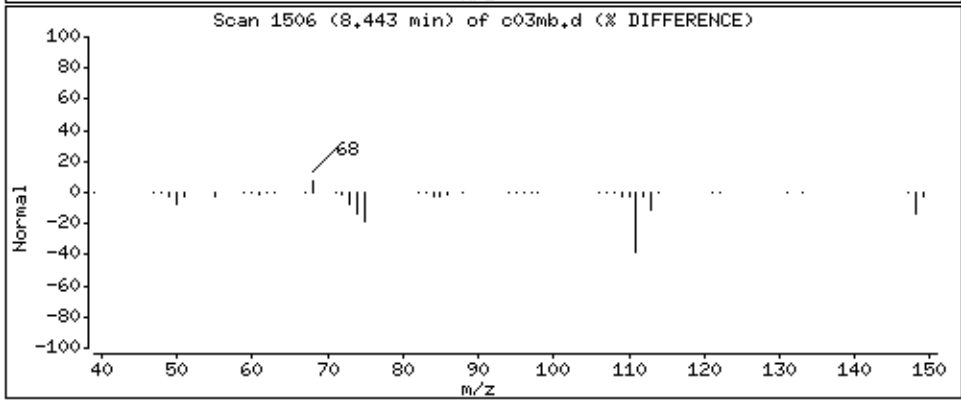
83 1,3-Dichlorobenzene

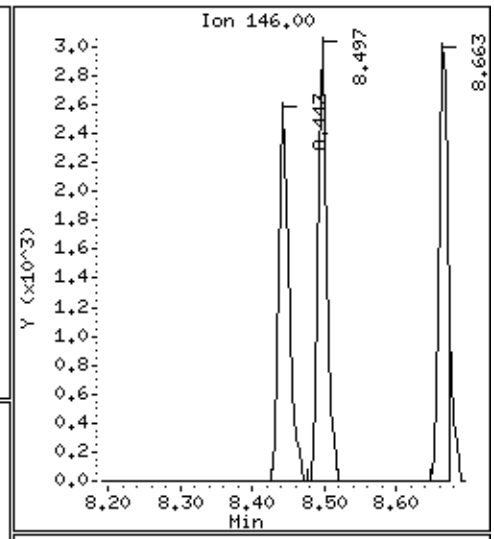
Concentration: 0.277 ppb

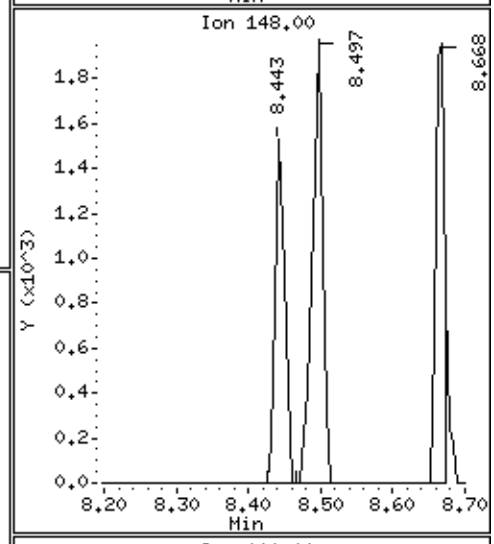


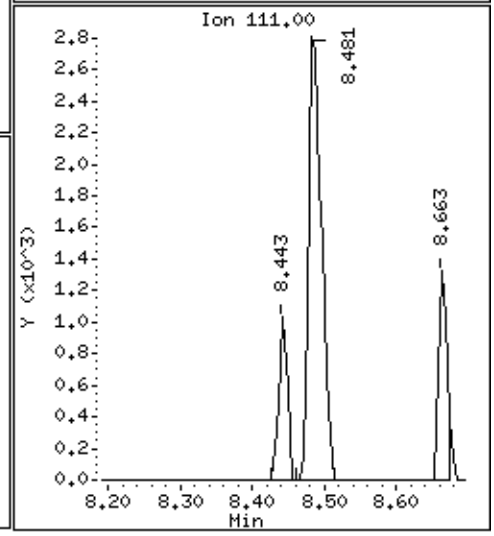












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

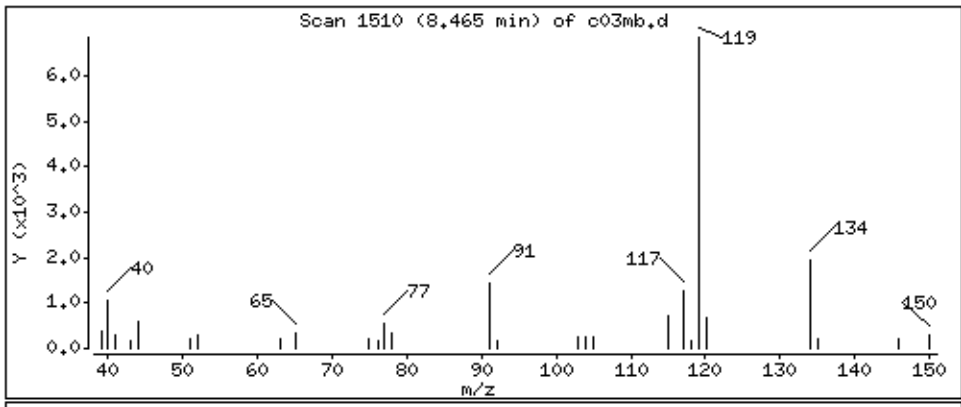
Operator: ala

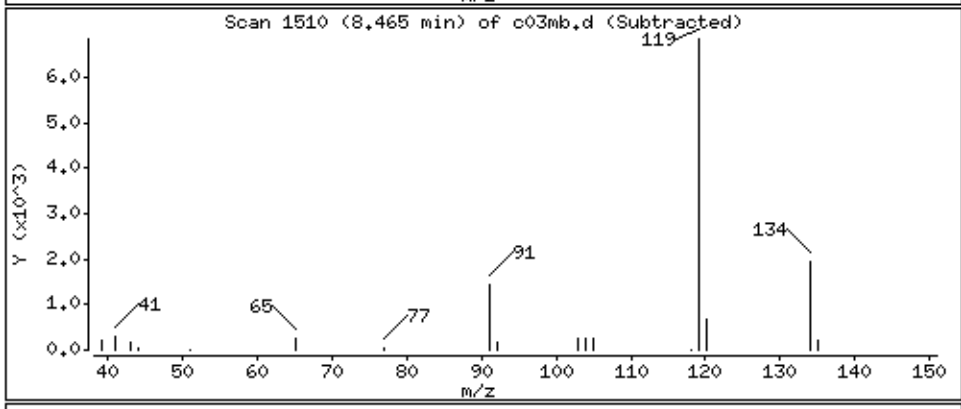
Column phase: DB-624

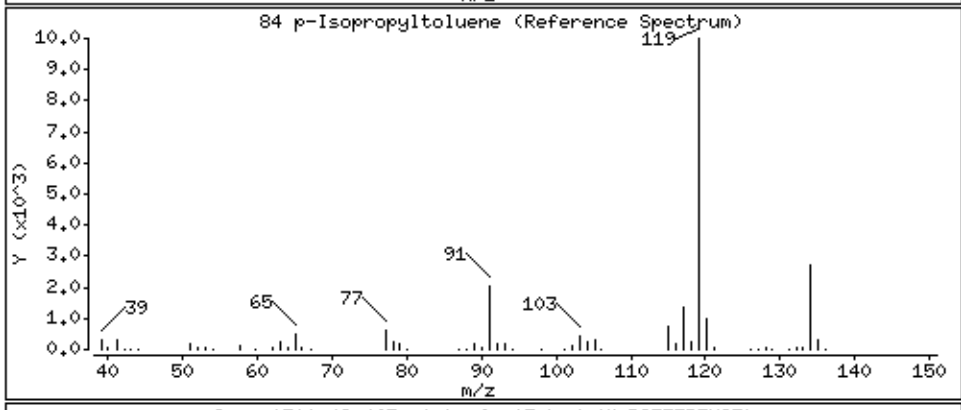
Column diameter: 0.18

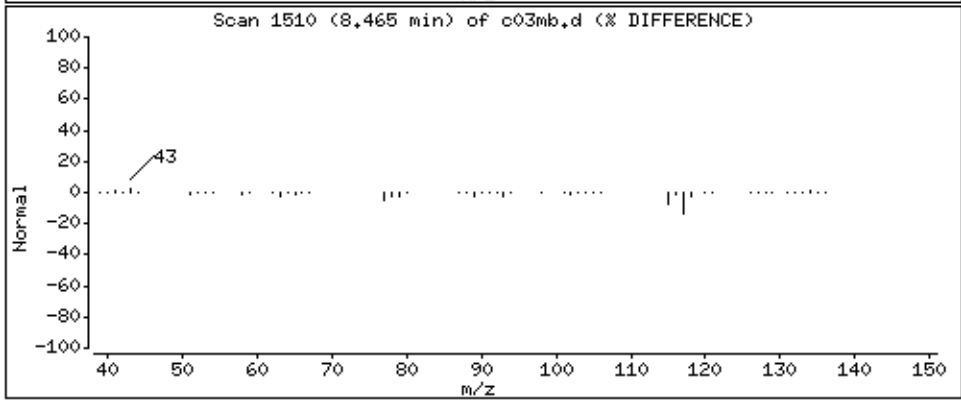
84 p-Isopropyltoluene

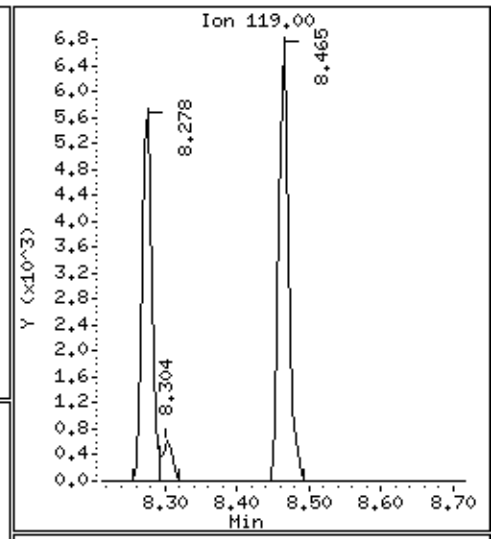
Concentration: 3.46 ppb

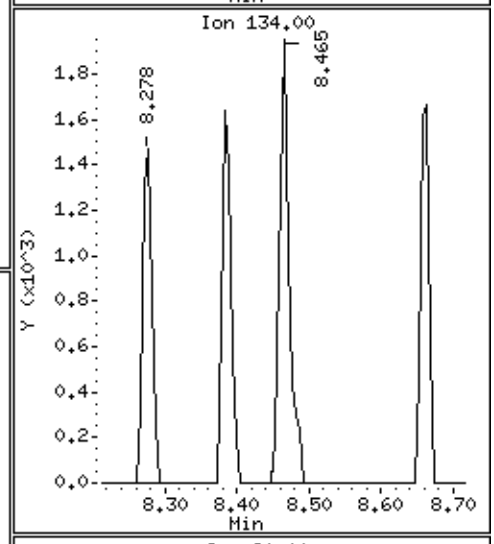


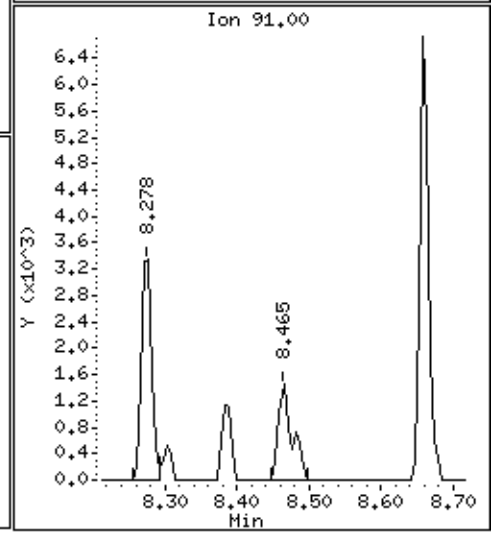












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

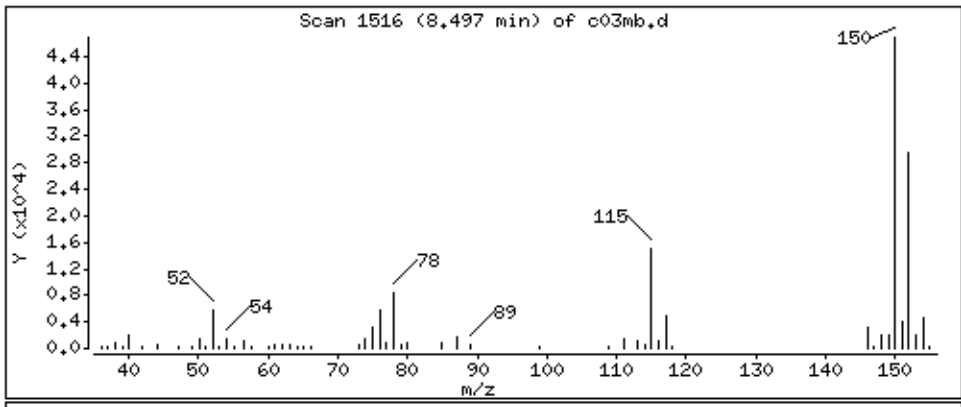
Operator: ala

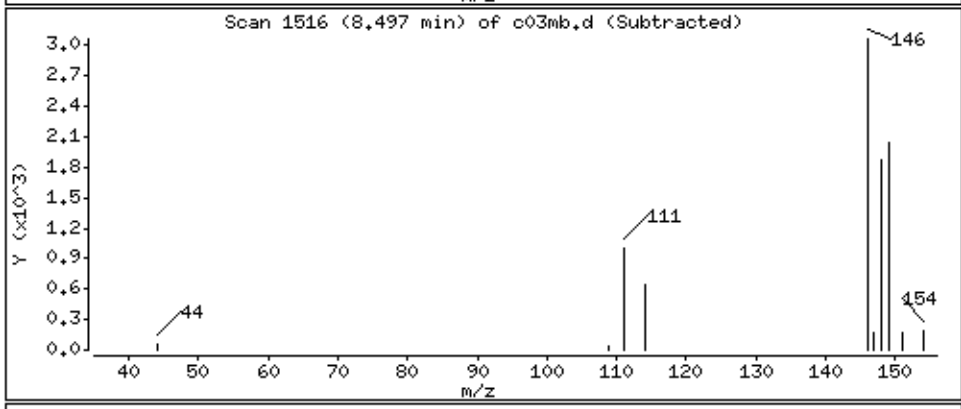
Column phase: DB-624

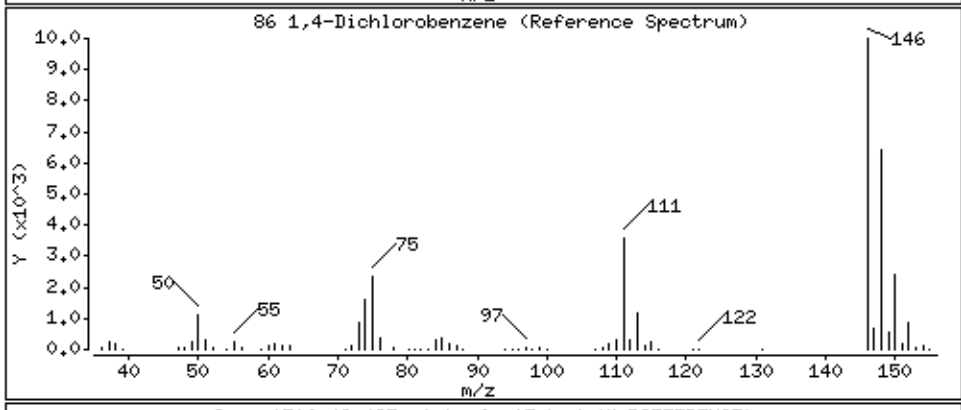
Column diameter: 0.18

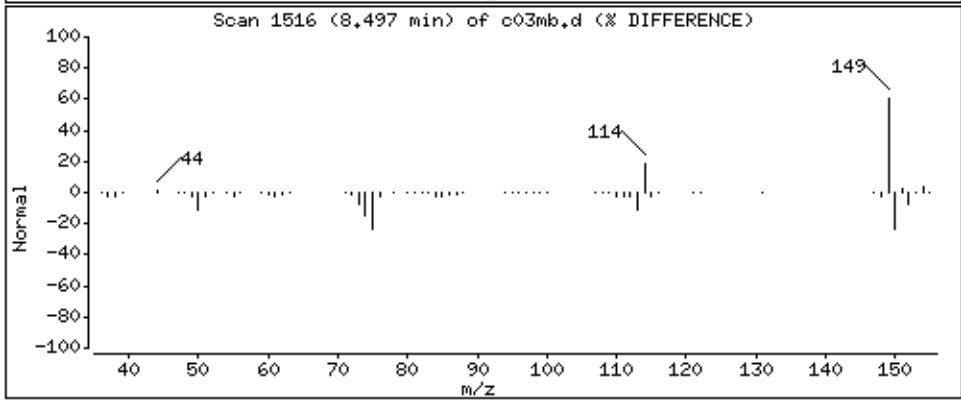
86 1,4-Dichlorobenzene

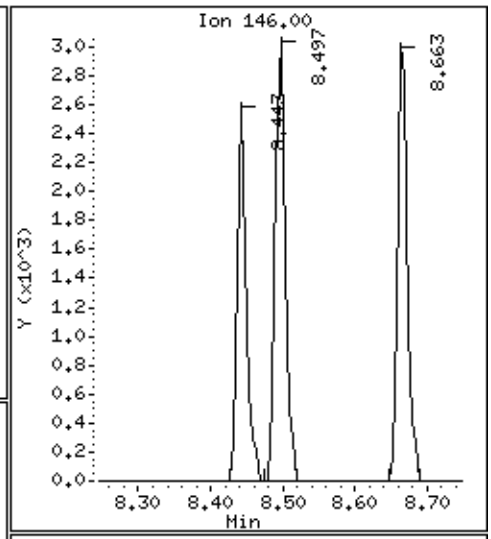
Concentration: 0.301 ppb

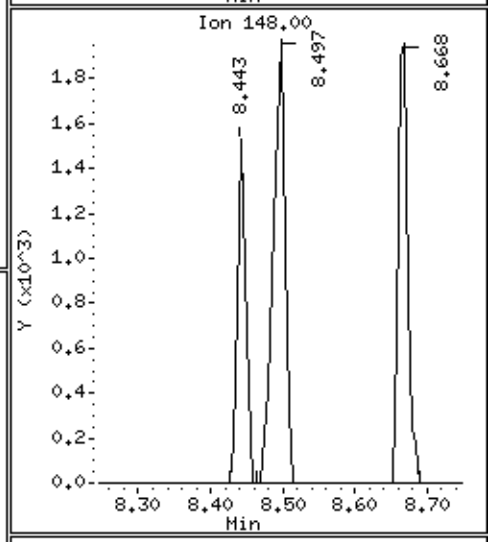


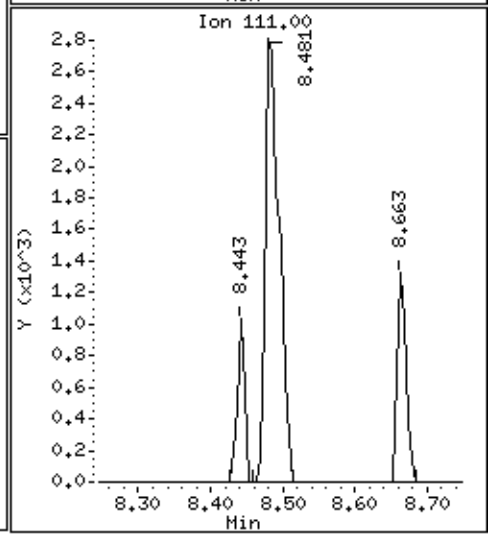












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

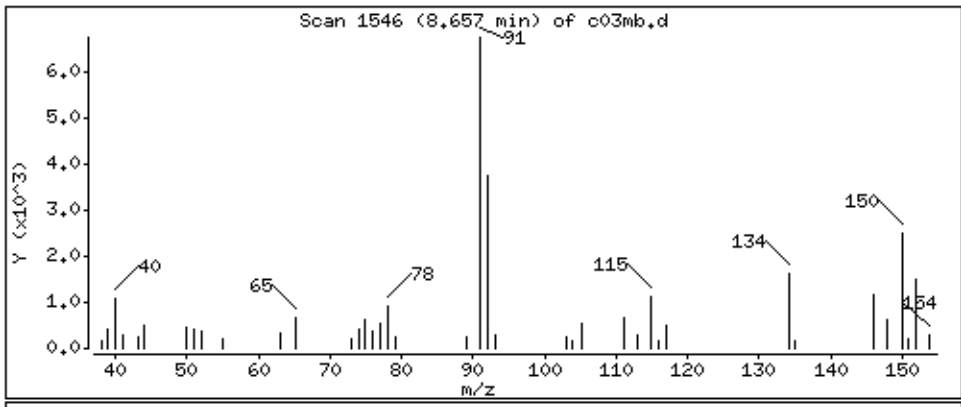
Operator: ala

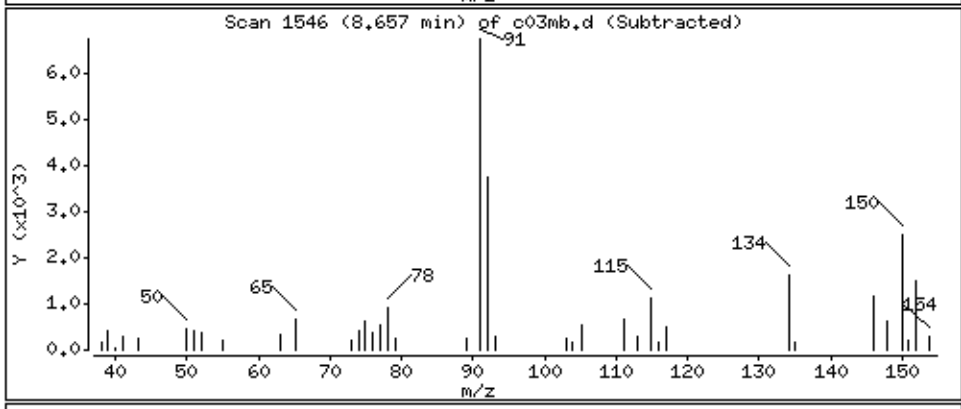
Column phase: DB-624

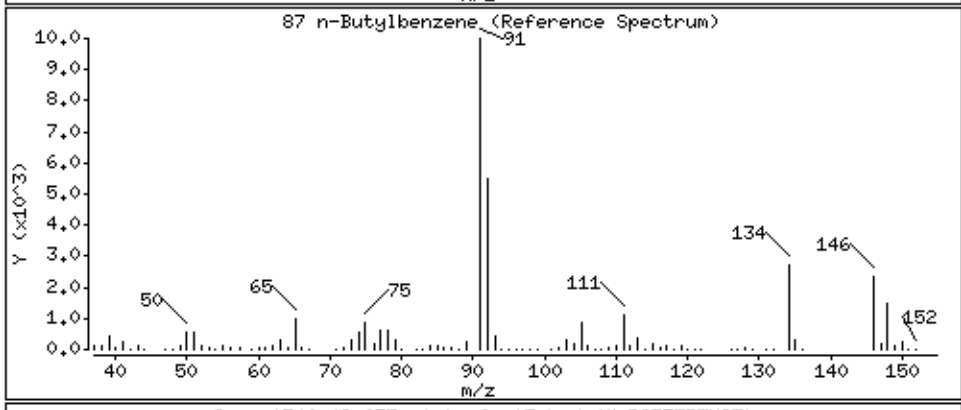
Column diameter: 0.18

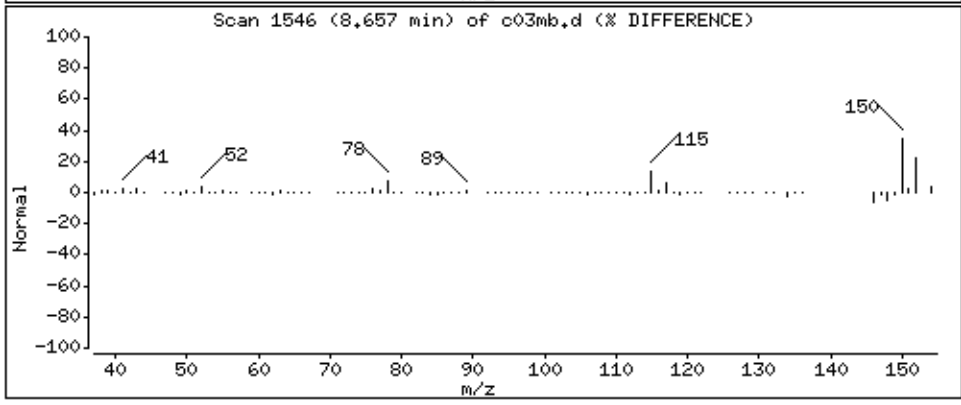
87 n-Butylbenzene

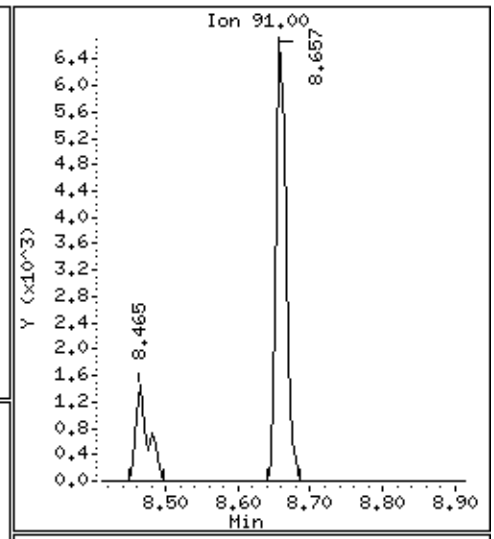
Concentration: 0.881 ppb

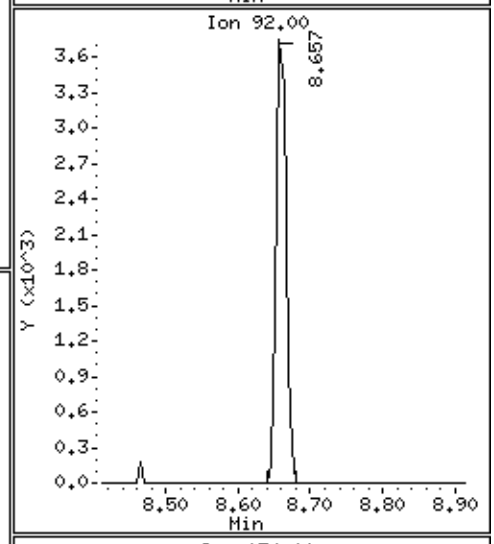


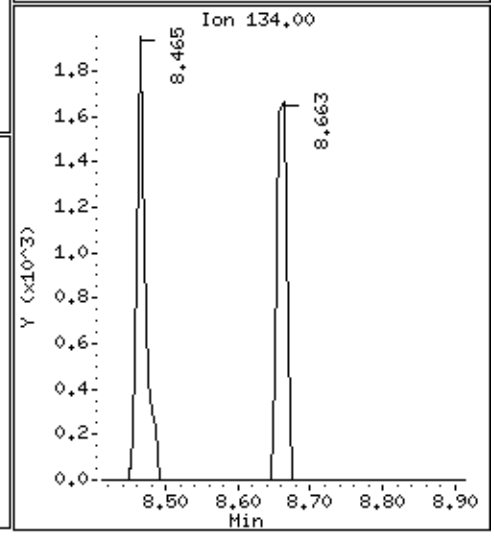












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Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

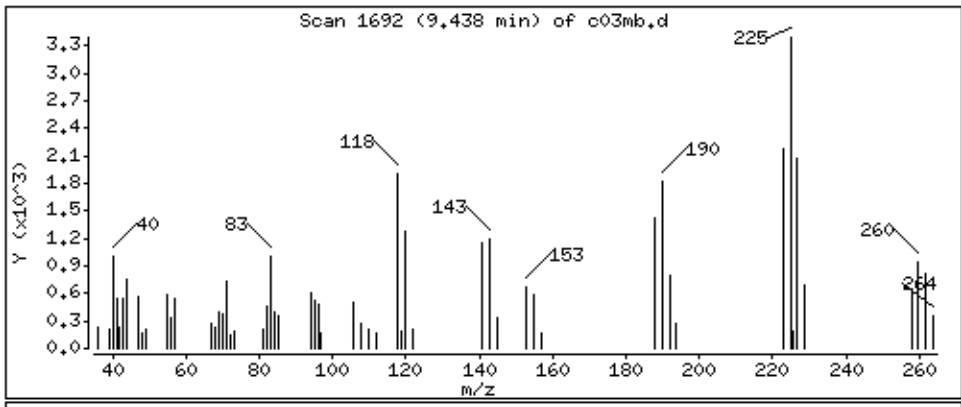
Operator: ala

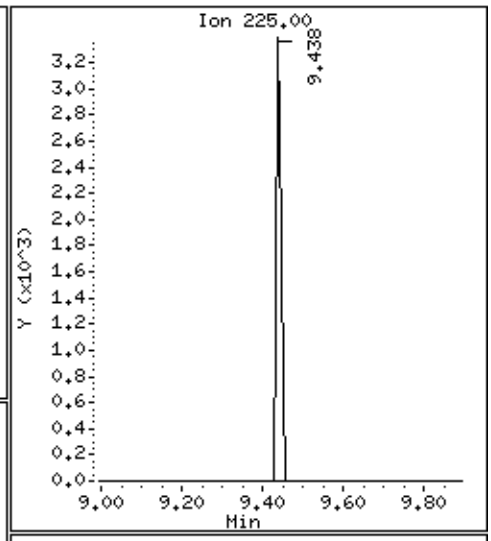
Column phase: DB-624

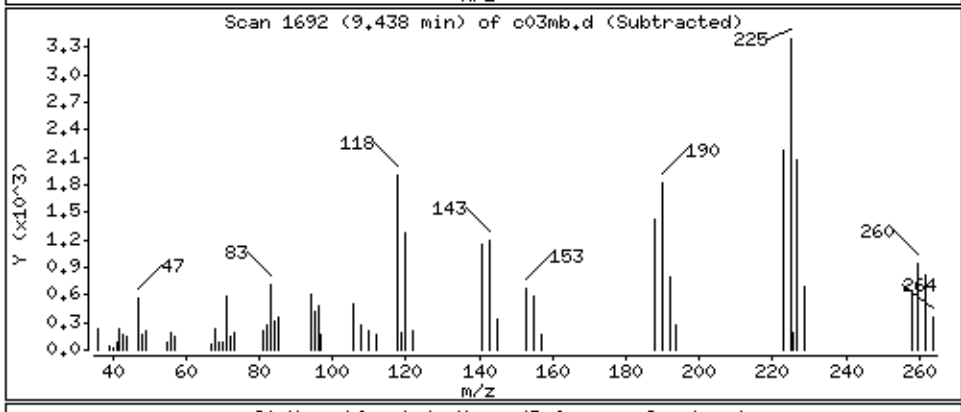
Column diameter: 0.18

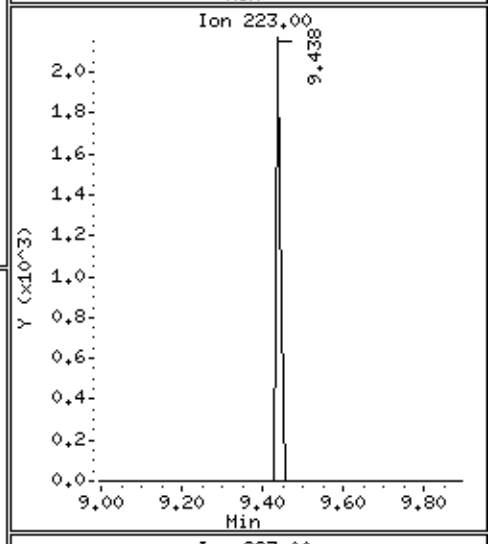
91 Hexachlorobutadiene

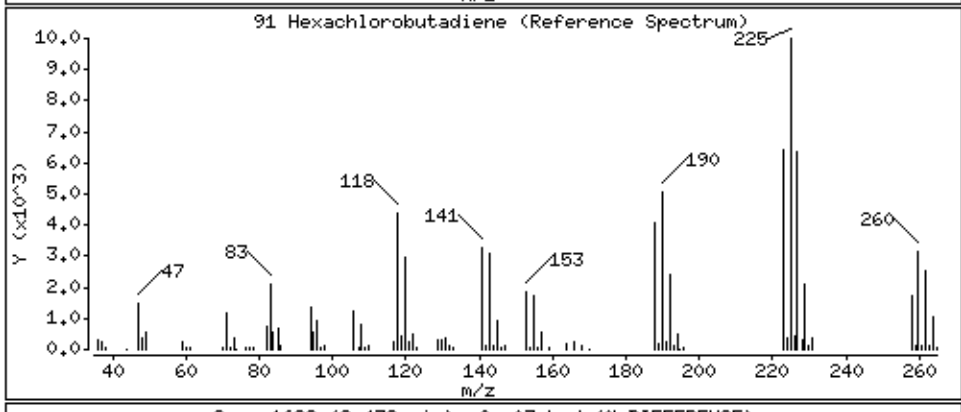
Concentration: 1.30 ppb

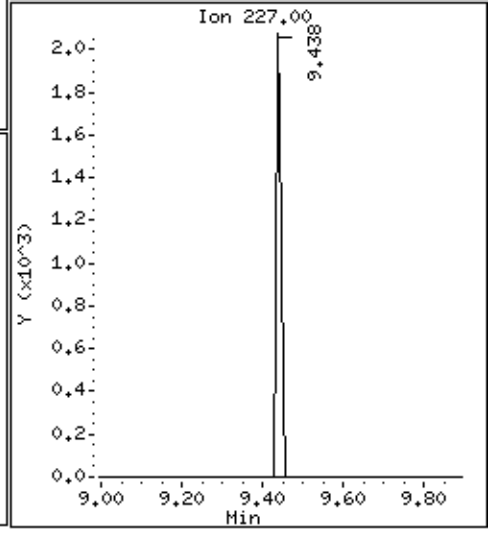


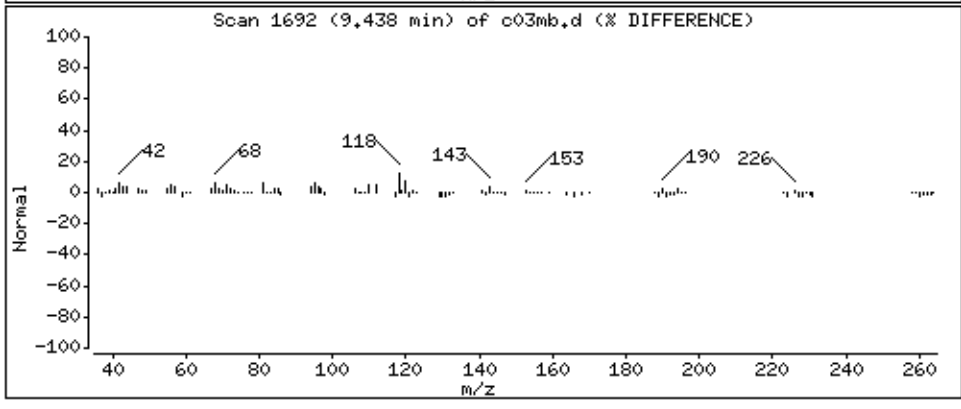












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Page 21

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

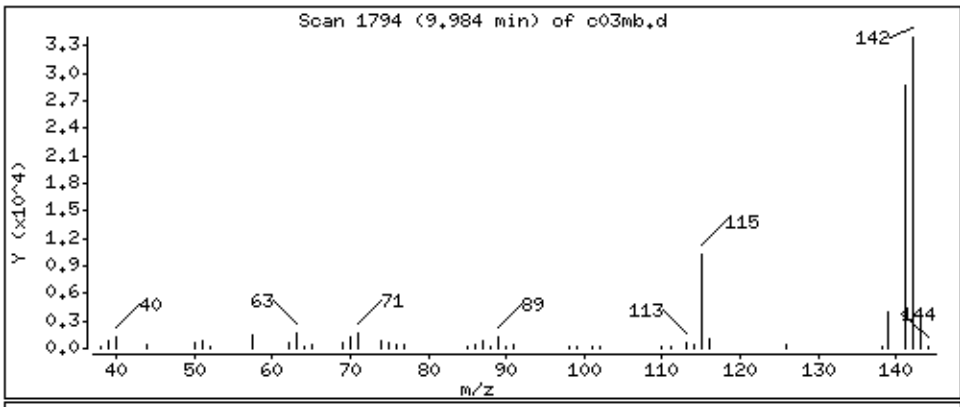
Operator: ala

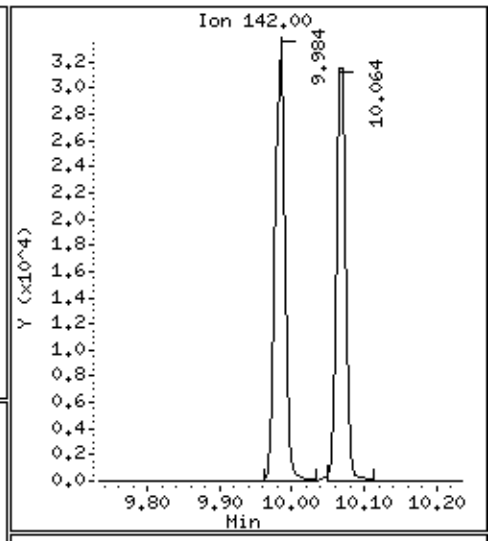
Column phase: DB-624

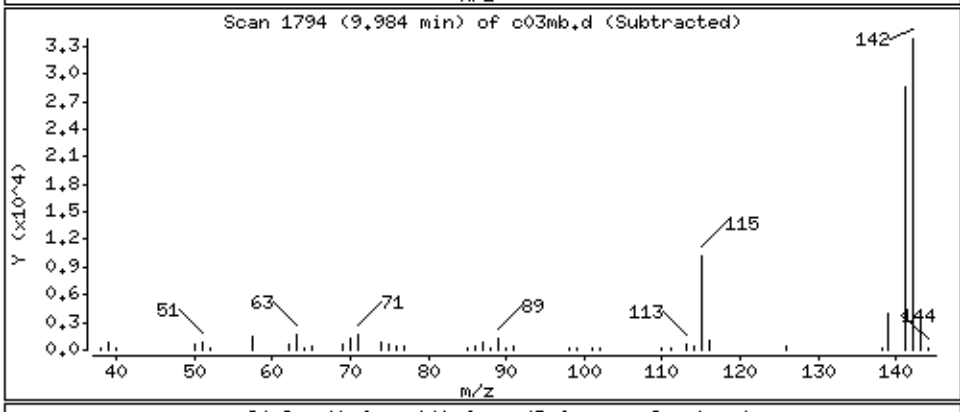
Column diameter: 0.18

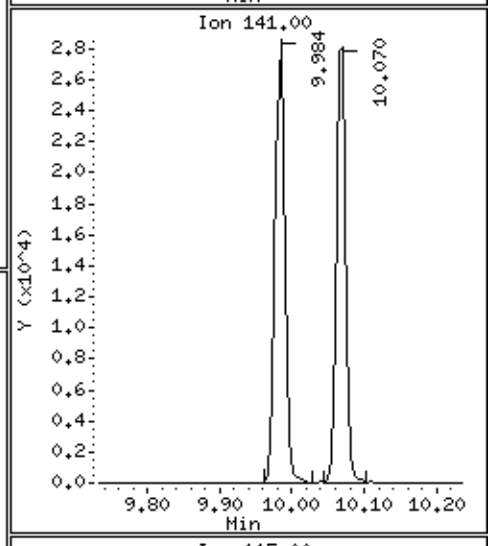
94 2,methyl-naphthalene

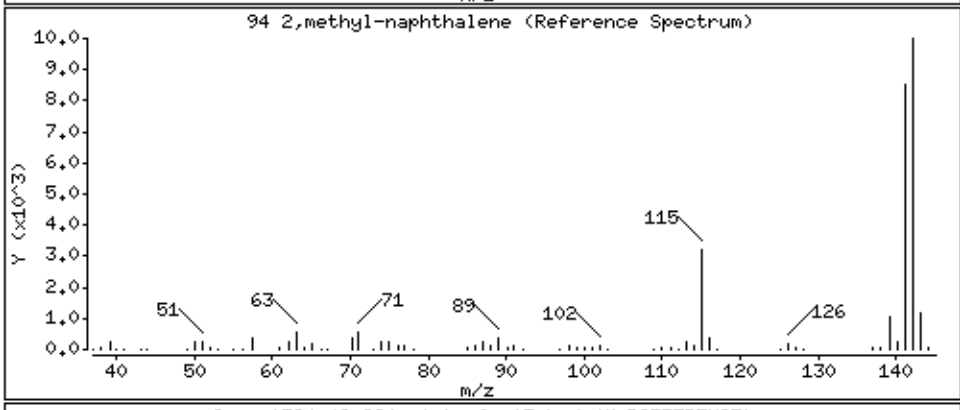
Concentration: 3.95 ppb

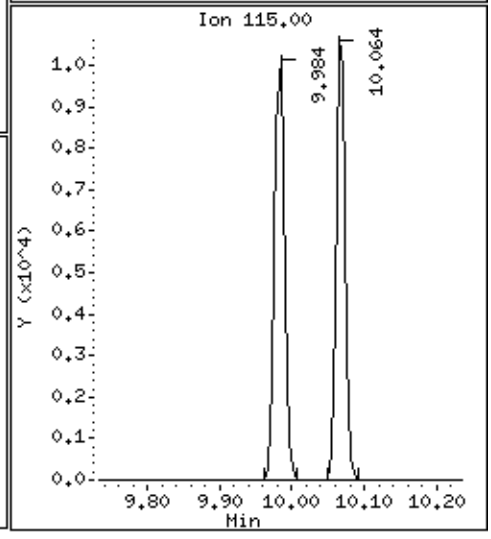


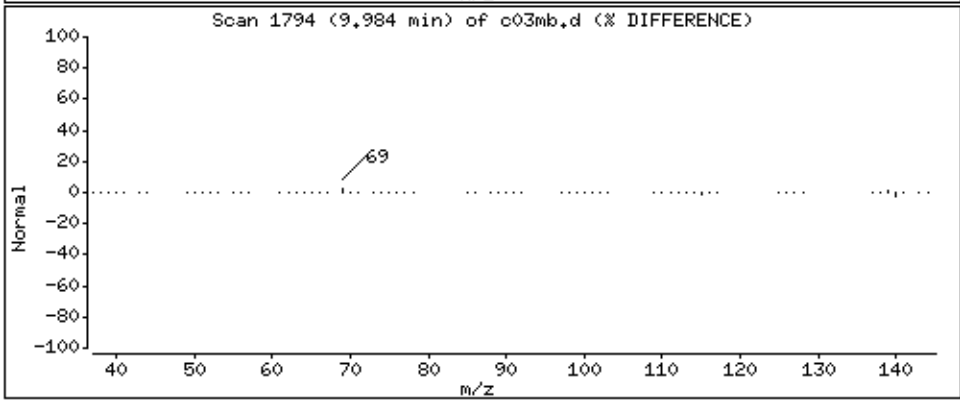












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c03mb.d

Date : 04-JUL-2014 04:45

Client ID: MB

Instrument: 50mv6b.i

Sample Info: 1123226

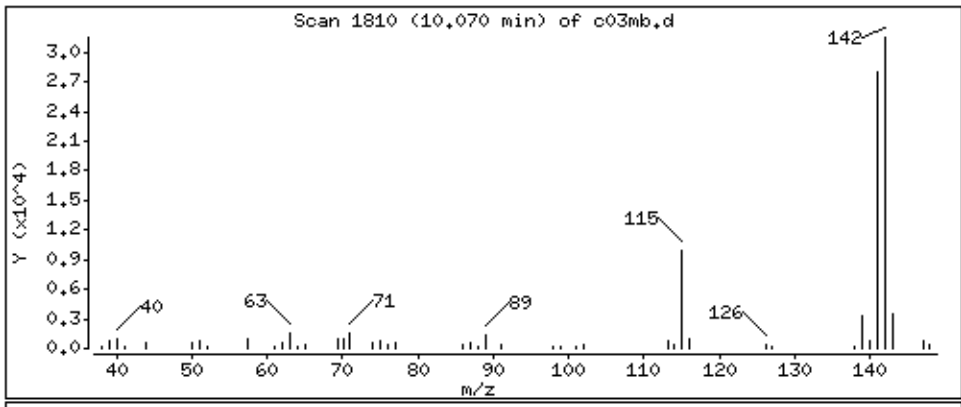
Operator: ala

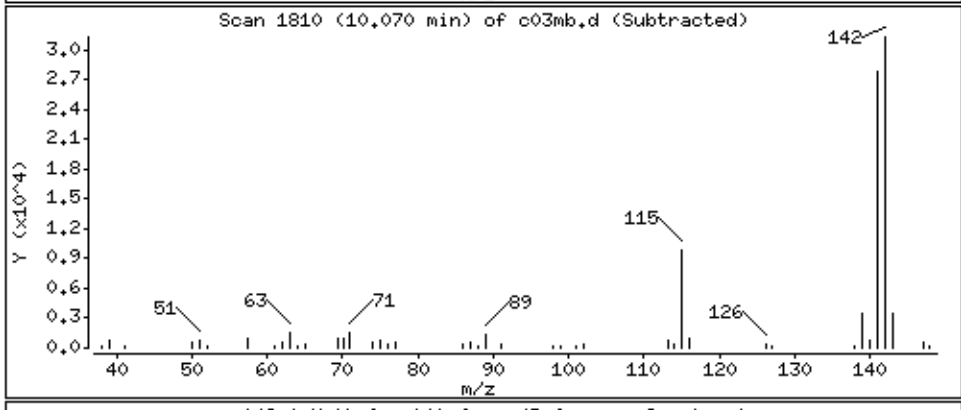
Column phase: DB-624

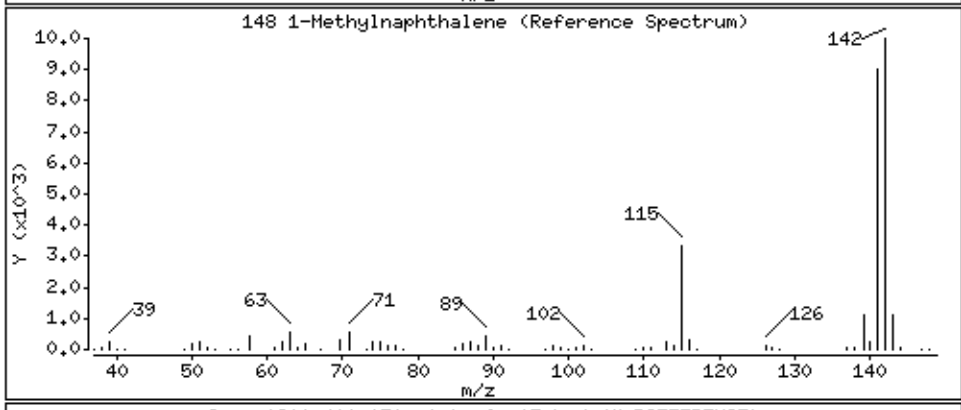
Column diameter: 0.18

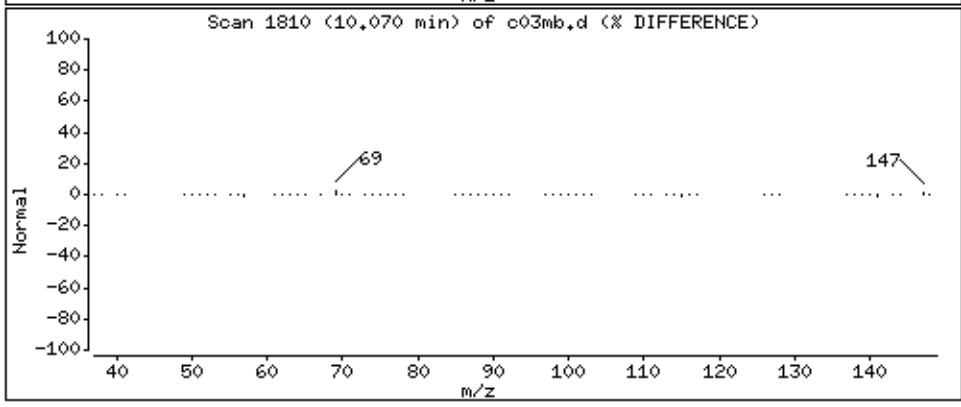
148 1-Methylnaphthalene

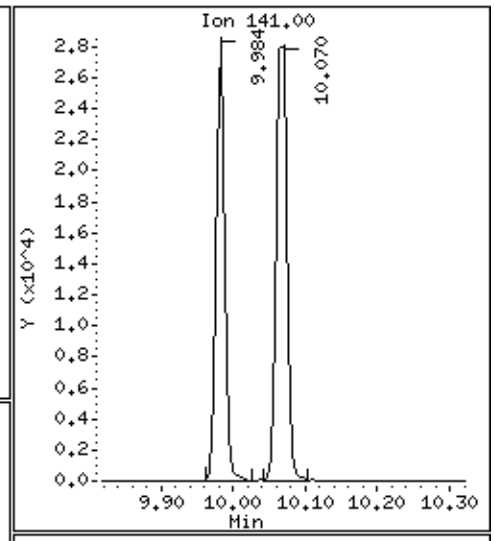
Concentration: 2.26 ppb

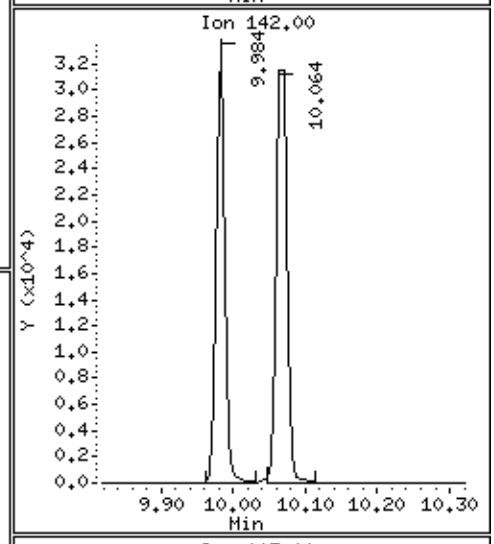


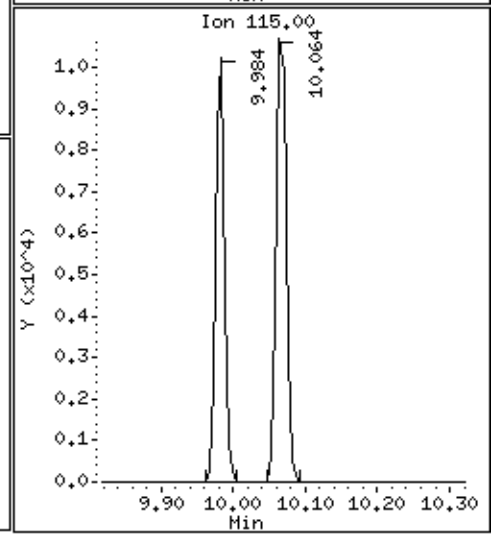












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/c03mb.d
Injection Date: 04-JUL-2014 04:45
Instrument: 50mv6b.i
Lab Sample ID: 1123226
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 10:24 Lab Sample ID: 1122265

Date Analyzed: 07/03/2014 10:24 Lab File ID: B070214.B\C17LCS.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	42.9	
108-90-7	Chlorobenzene	40.2	
67-66-3	Chloroform	38.8	
75-35-4	1,1-Dichloroethene	44.4	
78-87-5	1,2-Dichloropropane	42.3	
100-41-4	Ethylbenzene	37.3	
98-82-8	Isopropylbenzene (Cumene)	34.9	
1634-04-4	Methyl-tert-butyl ether	84.8	
91-20-3	Naphthalene	39.8	
79-34-5	1,1,2,2-Tetrachloroethane	43.8	
127-18-4	Tetrachloroethene	39.9	
108-88-3	Toluene	40.1	
71-55-6	1,1,1-Trichloroethane	40.1	
79-01-6	Trichloroethene	42.4	
95-63-6	1,2,4-Trimethylbenzene	35.0	
75-01-4	Vinyl chloride	48.0	
1330-20-7	Xylene (Total)	111	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d
Lab Smp Id: 1122598 Client Smp ID: MBLCS
Inj Date : 03-JUL-2014 10:24
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1122598,71693:5
Misc Info : 66448
Comment :
Method : \\192.168.50.6\chem\50mv6b.i\b070214.b\-b8260sl_a_c.m
Meth Date : 03-Jul-2014 12:00 aallison Quant Type: ISTD
Cal Date : 02-JUL-2014 19:51 Cal File: a09.d
Als bottle: 40 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

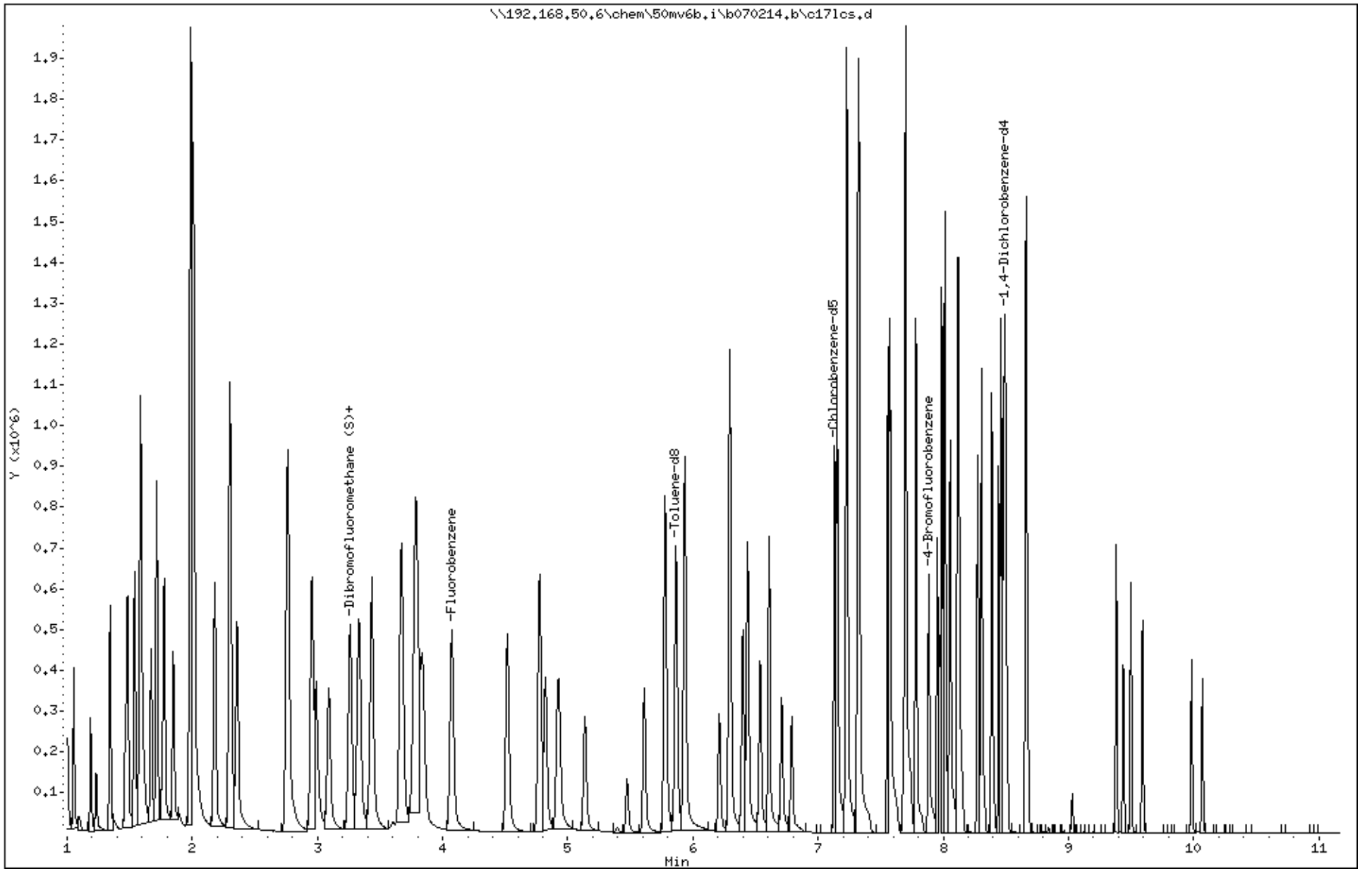
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.050	1.050	(0.258)	179406	47.9511	48.0
	11 1,1-Dichloroethene	96	1.585	1.585	(0.389)	137951	44.3744	44.4
	20 Methyl-tert-butyl ether	73	2.002	2.002	(0.492)	729708	84.7762	84.8
	32 Chloroform	83	3.093	3.088	(0.760)	296246	38.7553	38.8
	34 1,1,1-Trichloroethane	97	3.259	3.259	(0.800)	220480	40.1175	40.1
$	33 Dibromofluoromethane (S)	113	3.259	3.259	(0.800)	143129	48.0395	48.0
	39 Benzene	78	3.671	3.671	(0.901)	663801	42.9023	42.9
*	41 Fluorobenzene	96	4.072	4.072	(1.000)	573696	50.0000	
	42 Trichloroethene	95	4.516	4.516	(1.109)	180703	42.4185	42.4
	44 1,2-Dichloropropane	63	4.821	4.827	(1.184)	150953	42.3119	42.3
$	51 Toluene-d8	98	5.864	5.864	(0.822)	467423	50.8051	50.8
	52 Toluene	91	5.934	5.934	(0.832)	660081	40.1459	40.1
	56 Tetrachloroethene	166	6.437	6.437	(0.902)	179983	39.8701	39.9
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	406390	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	438145	40.1701	40.2
	64 Ethylbenzene	106	7.234	7.234	(1.014)	214018	37.2972	37.3
	65 m&p-Xylene	106	7.325	7.325	(1.027)	560350	75.4868	75.5
	67 o-Xylene	106	7.560	7.560	(1.060)	236594	35.6952	35.7
	70 Isopropylbenzene	105	7.780	7.785	(1.091)	567532	34.8504	34.8
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	154903	46.3923	46.4
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	133214	43.7752	43.8

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	381168	34.9559	35.0
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	180663	50.0000	
92 Naphthalene	128	9.502	9.497	(1.120)	276684	39.8476	39.8

Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d
Date : 03-JUL-2014 10:24
Client ID: MBLCS
Sample Info: 1122598,71693:5

Instrument: 50mv6b.i
Operator: ala
Column diameter: 0.18

Column phase: DB-624



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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

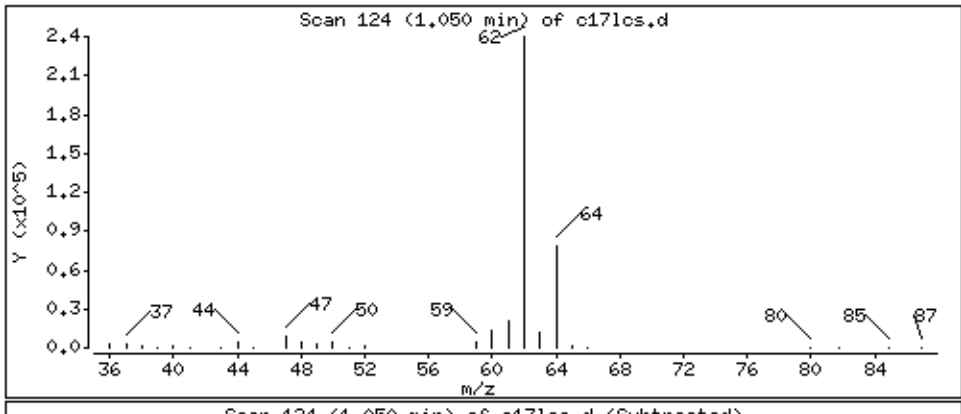
Operator: ala

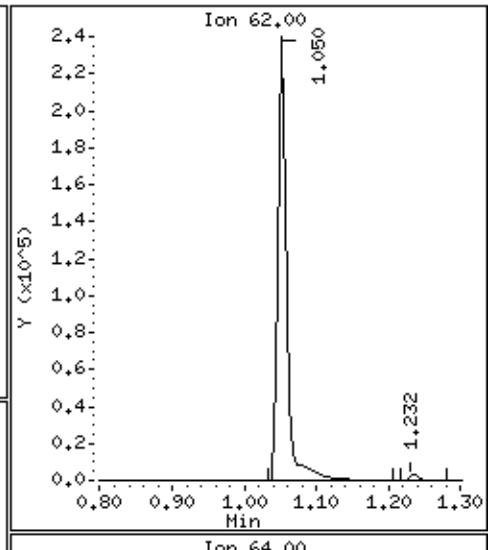
Column phase: DB-624

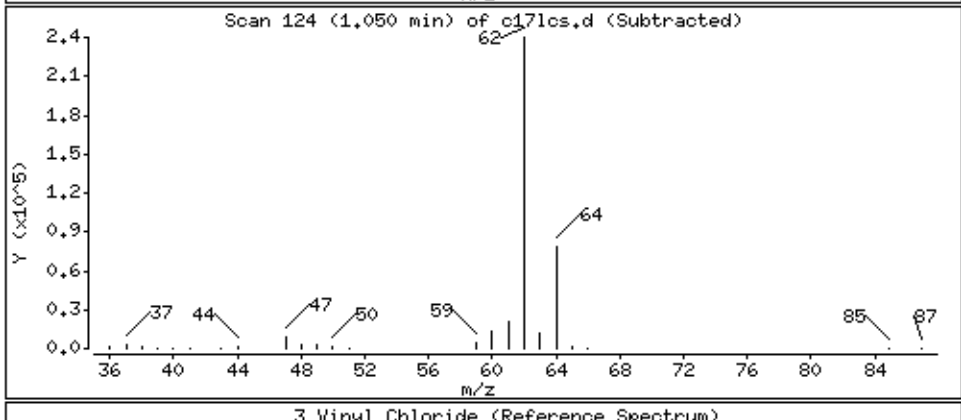
Column diameter: 0.18

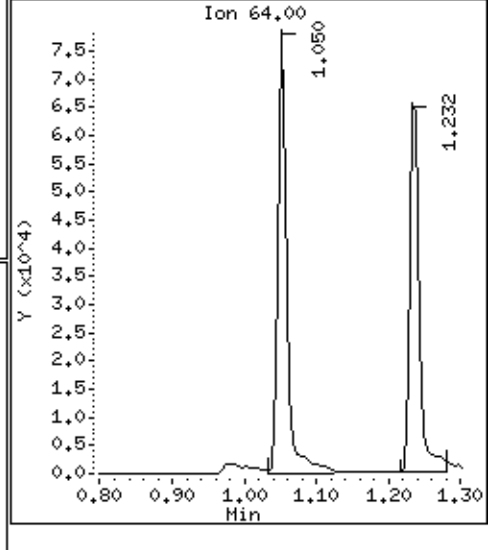
3 Vinyl Chloride

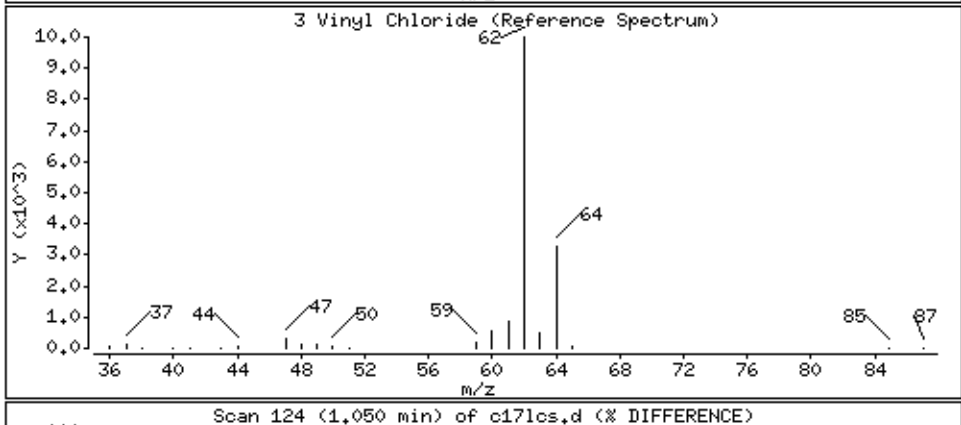
Concentration: 48.0 ppb

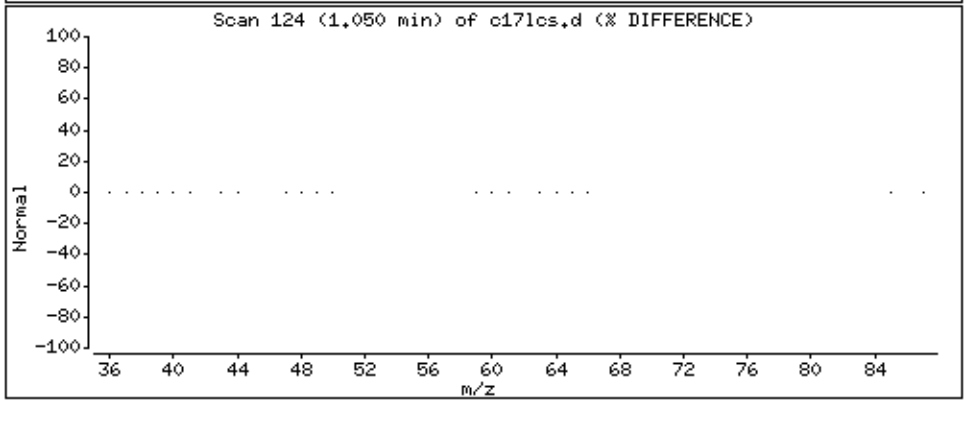












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

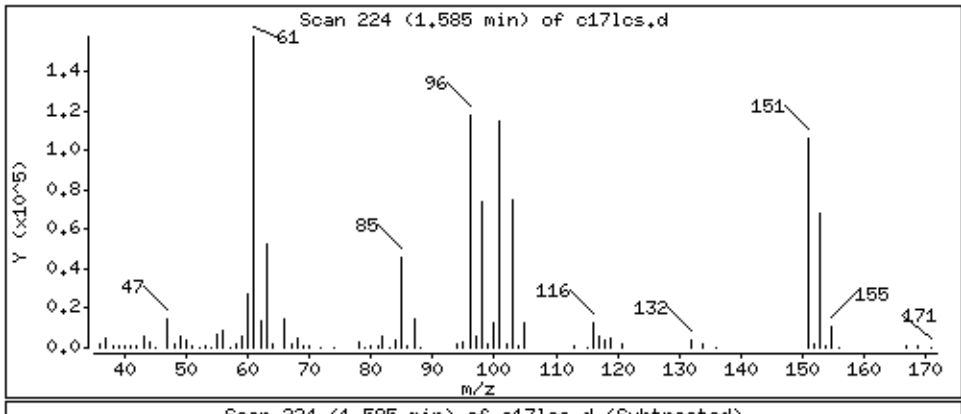
Operator: ala

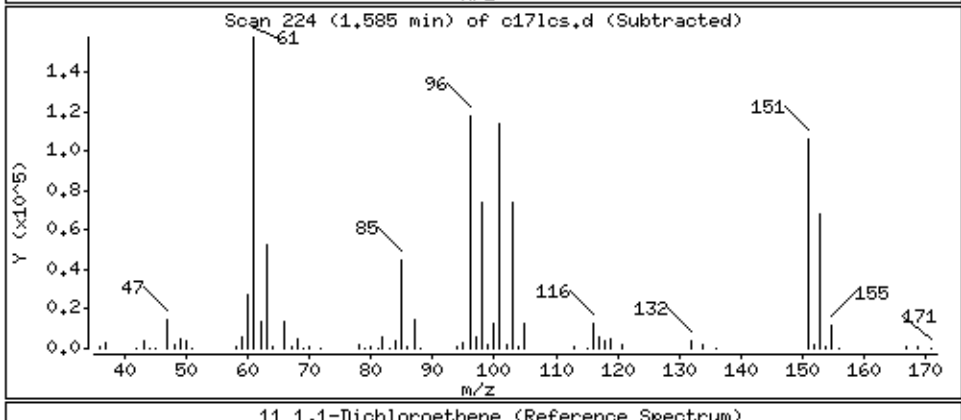
Column phase: DB-624

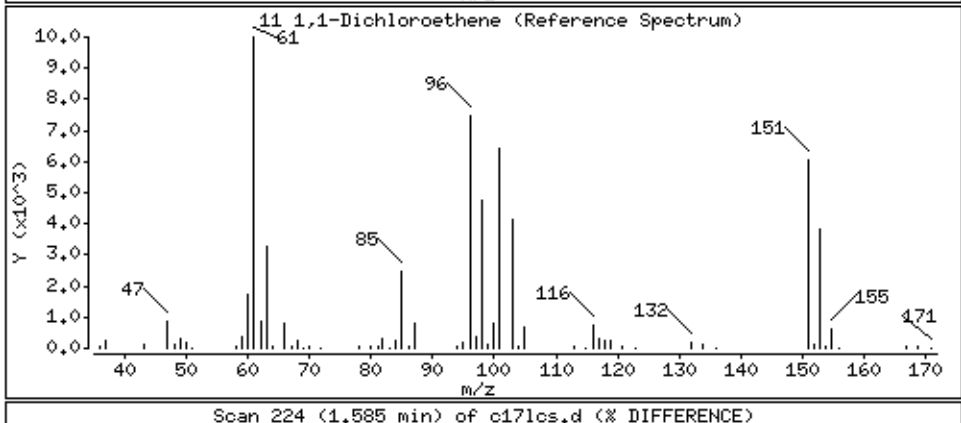
Column diameter: 0.18

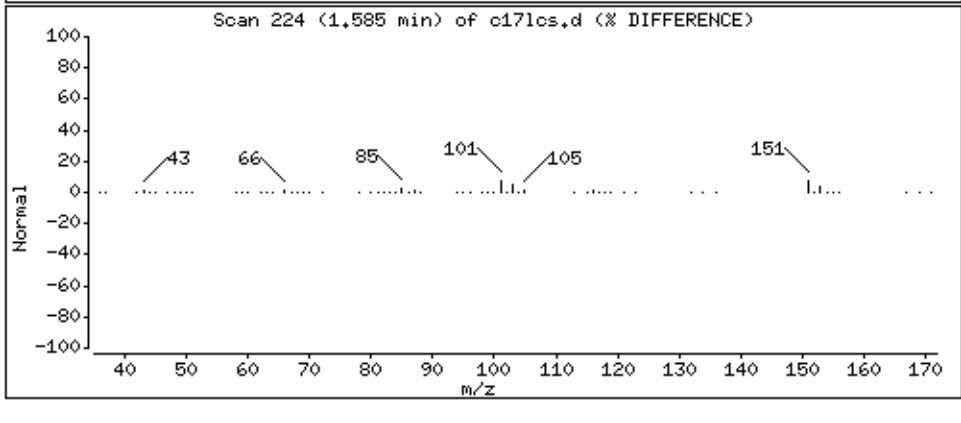
11 1,1-Dichloroethene

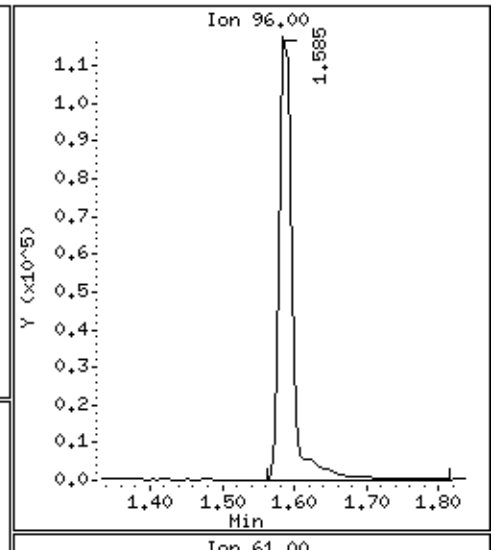
Concentration: 44.4 ppb

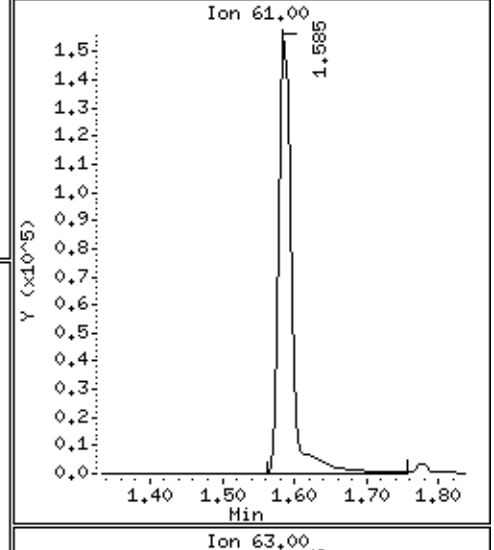


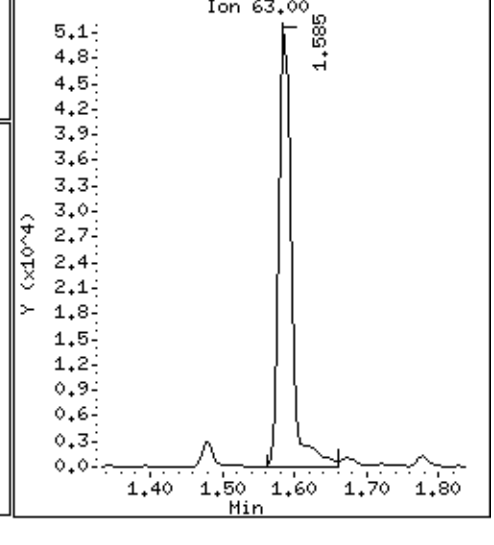












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

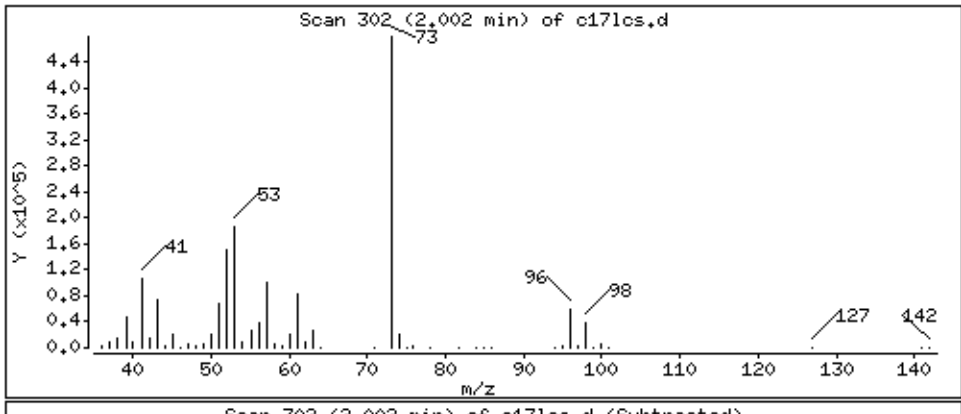
Operator: ala

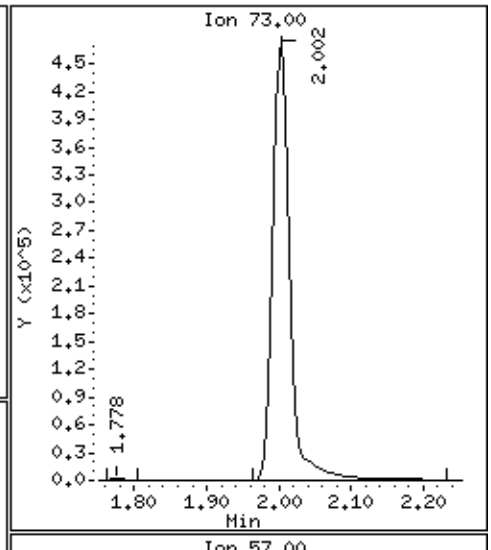
Column phase: DB-624

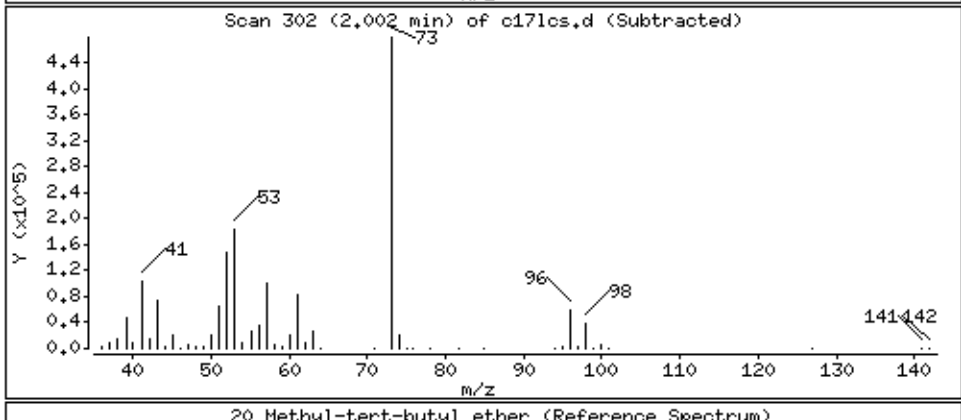
Column diameter: 0.18

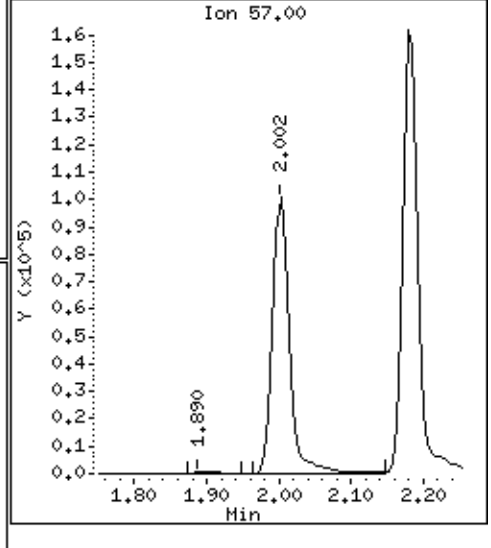
20 Methyl-tert-butyl ether

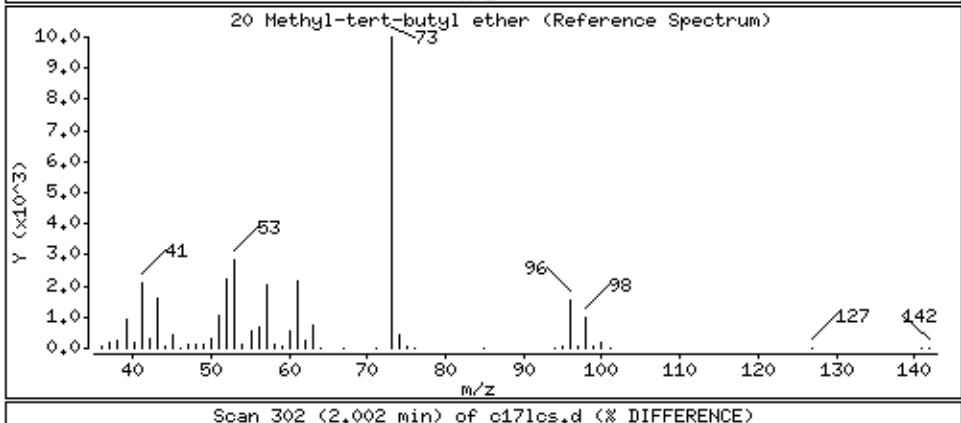
Concentration: 84.8 ppb

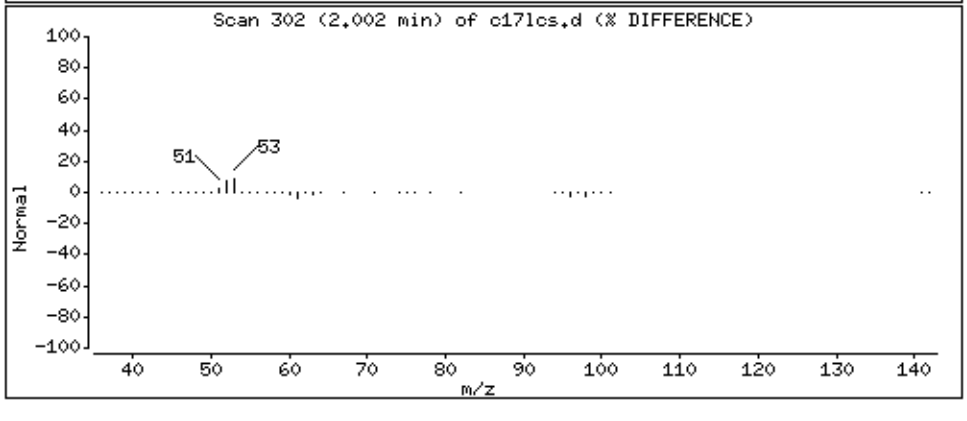












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

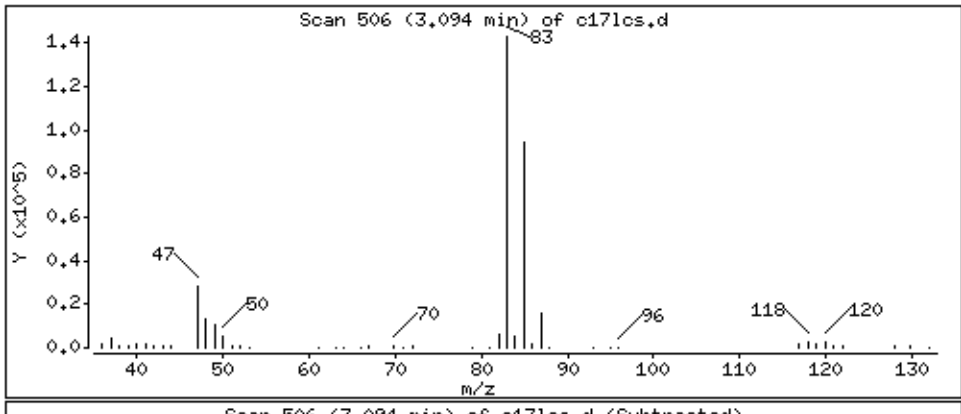
Operator: ala

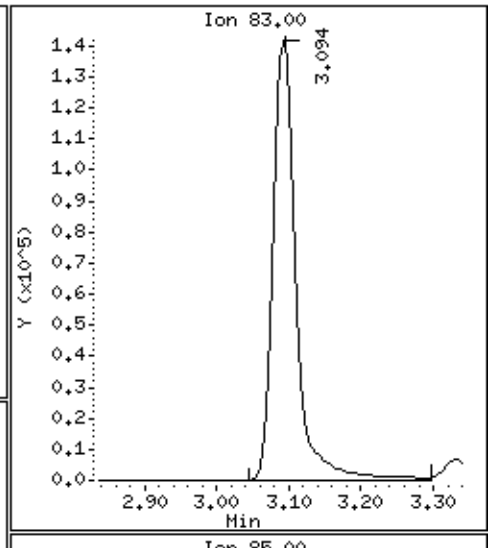
Column phase: DB-624

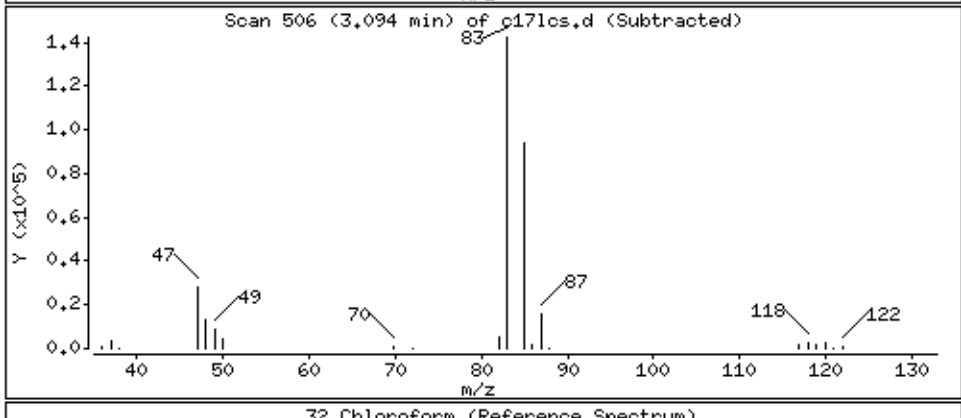
Column diameter: 0.18

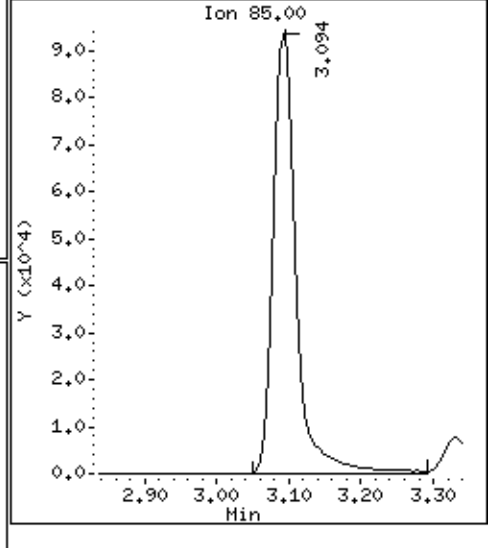
32 Chloroform

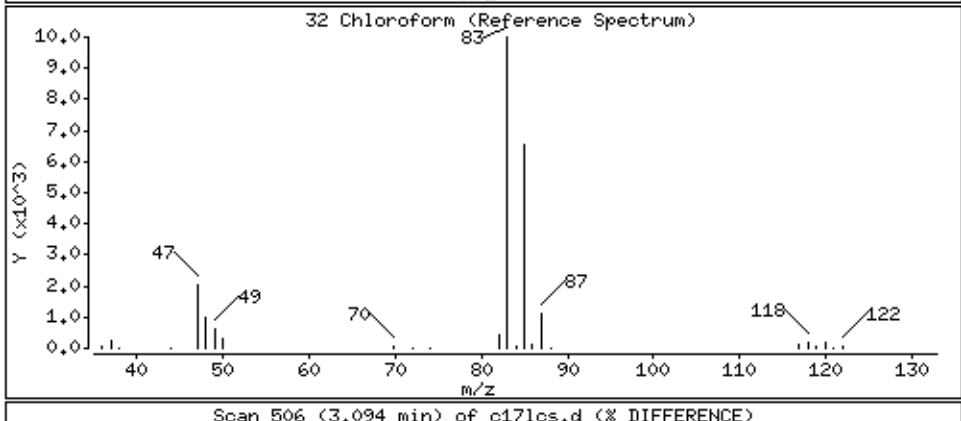
Concentration: 38.8 ppb

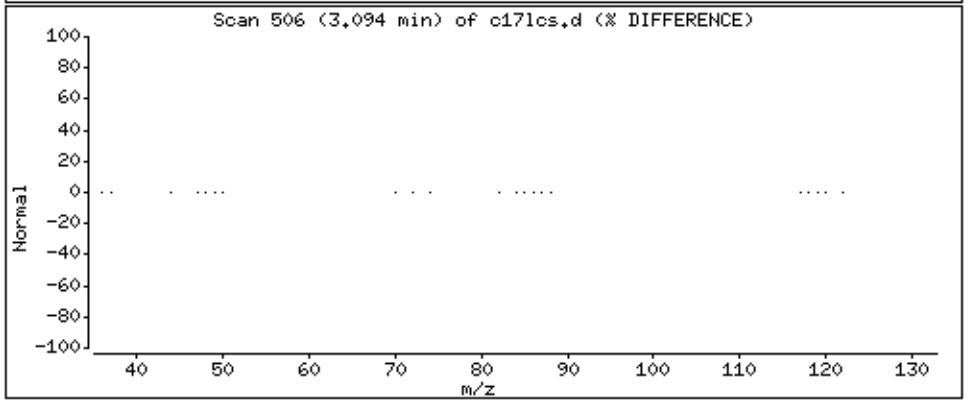












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

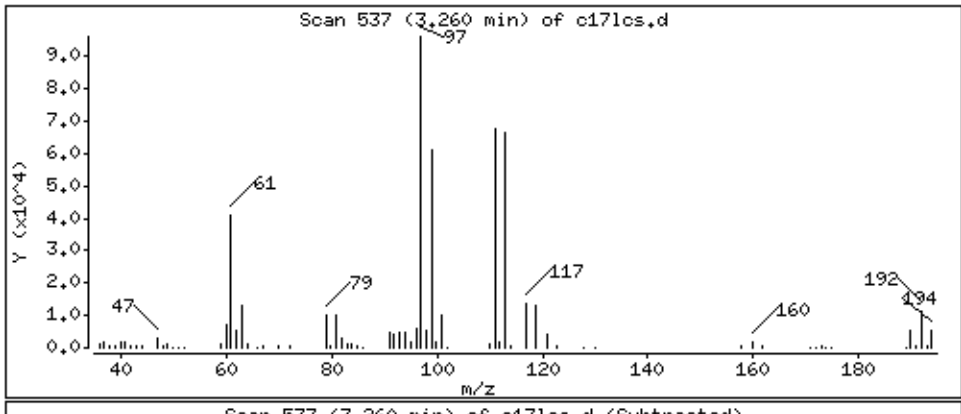
Operator: ala

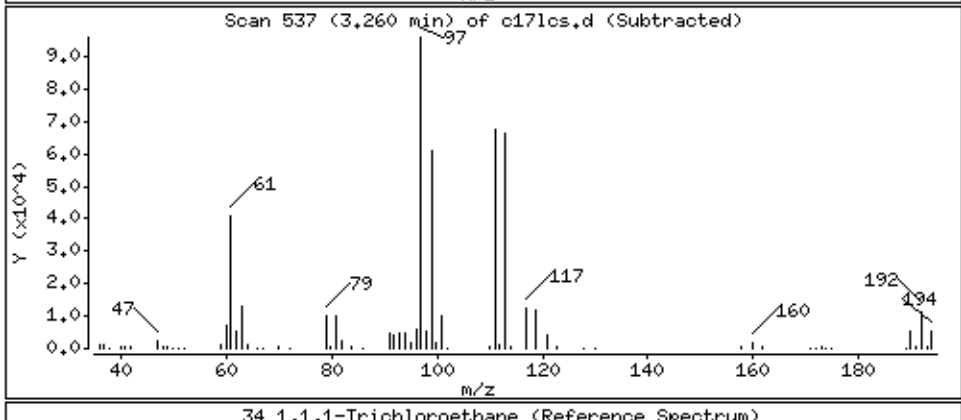
Column phase: DB-624

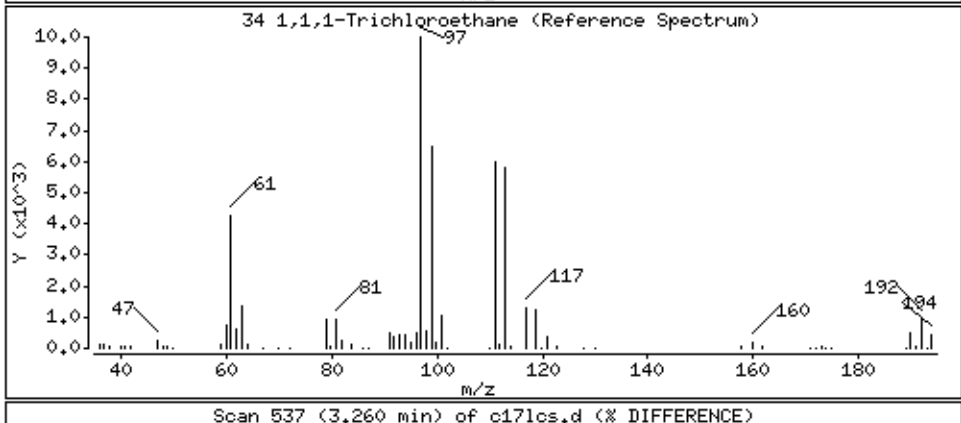
Column diameter: 0.18

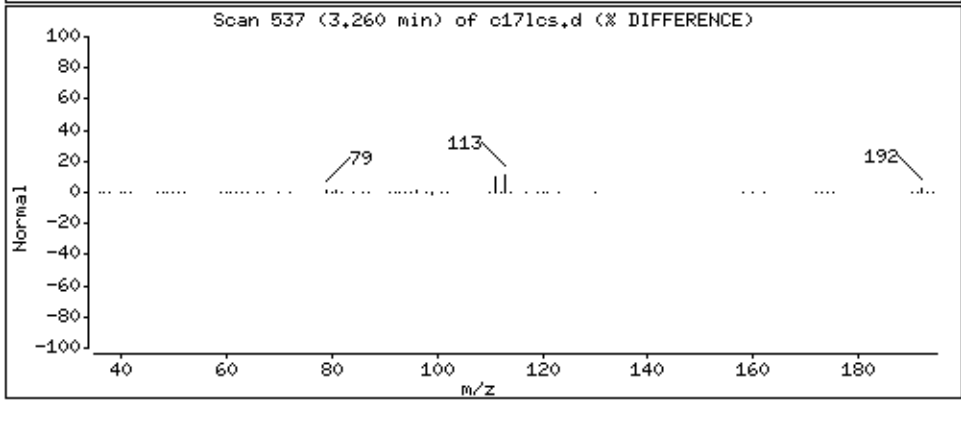
34 1,1,1-Trichloroethane

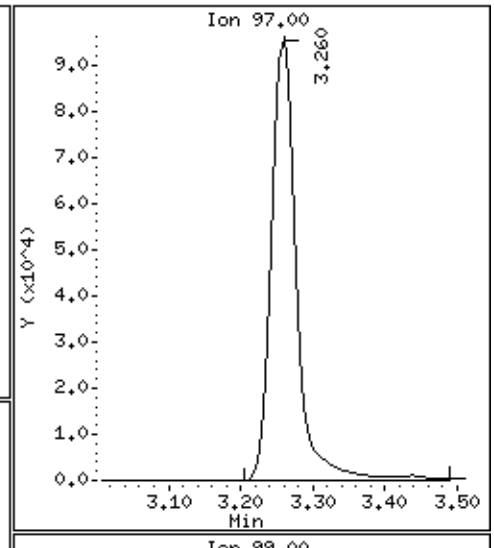
Concentration: 40.1 ppb

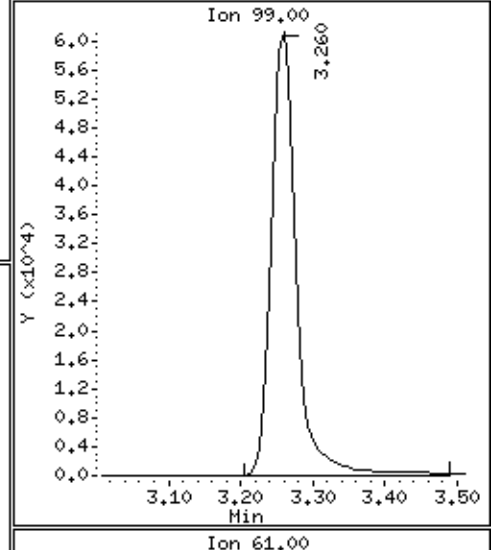


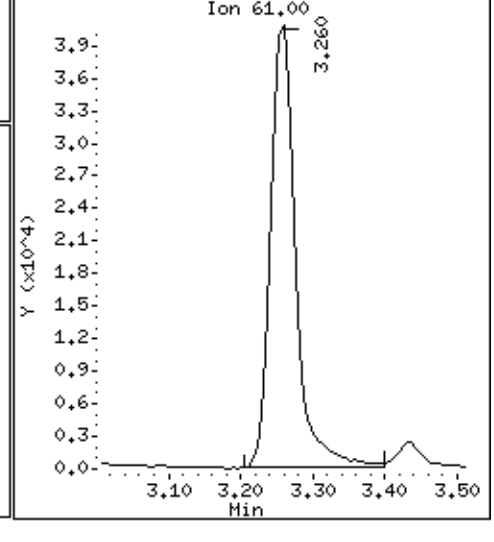












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

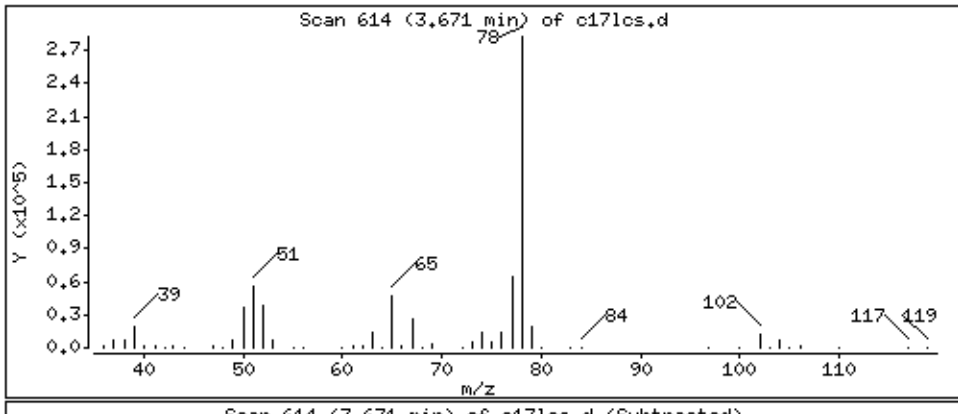
Operator: ala

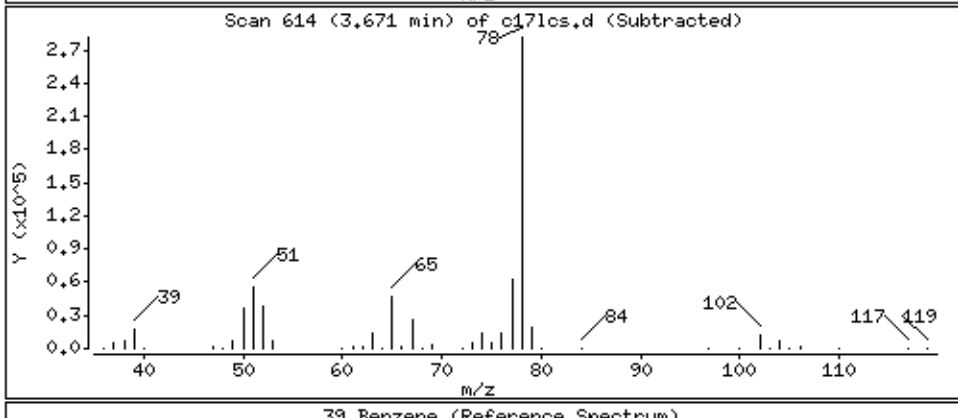
Column phase: DB-624

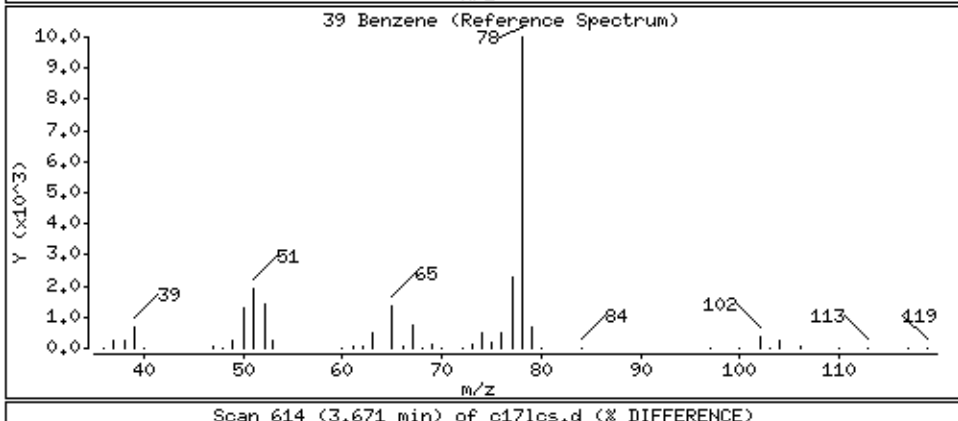
Column diameter: 0.18

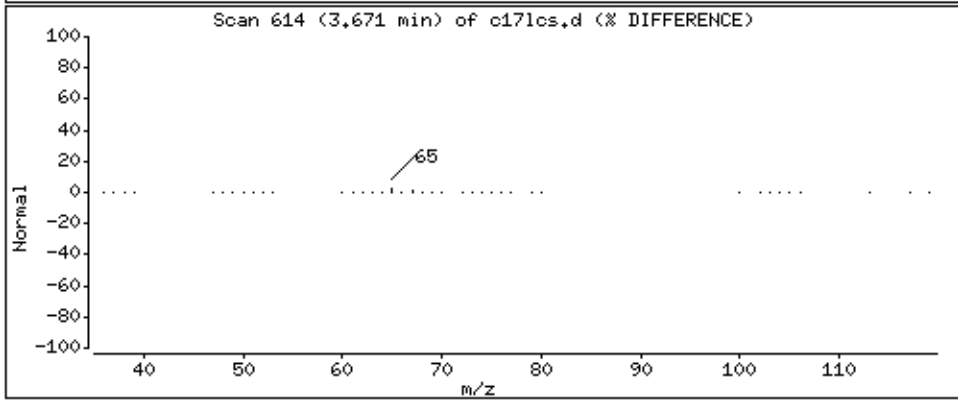
39 Benzene

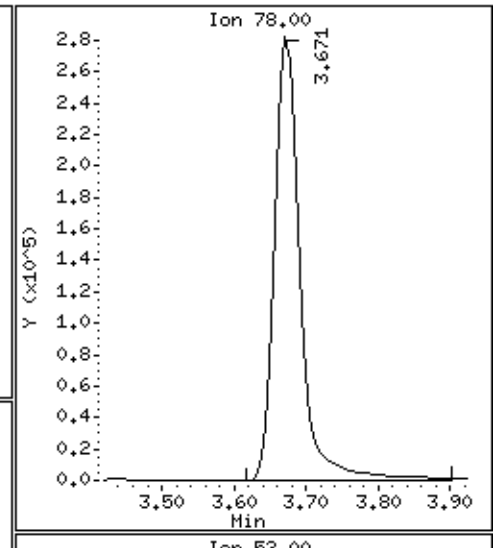
Concentration: 42.9 ppb

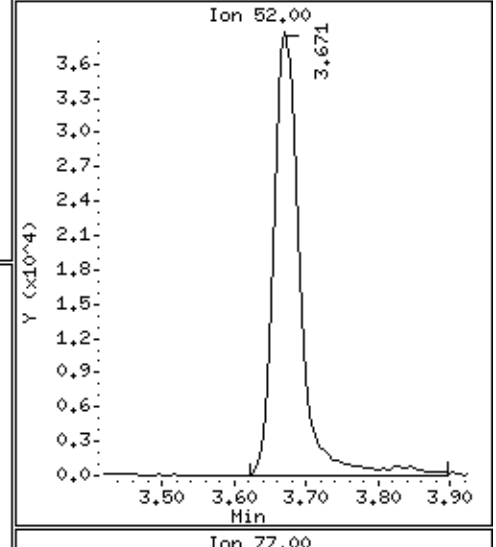


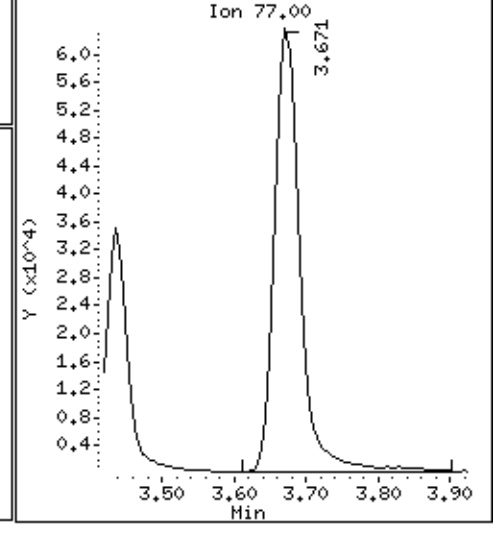












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

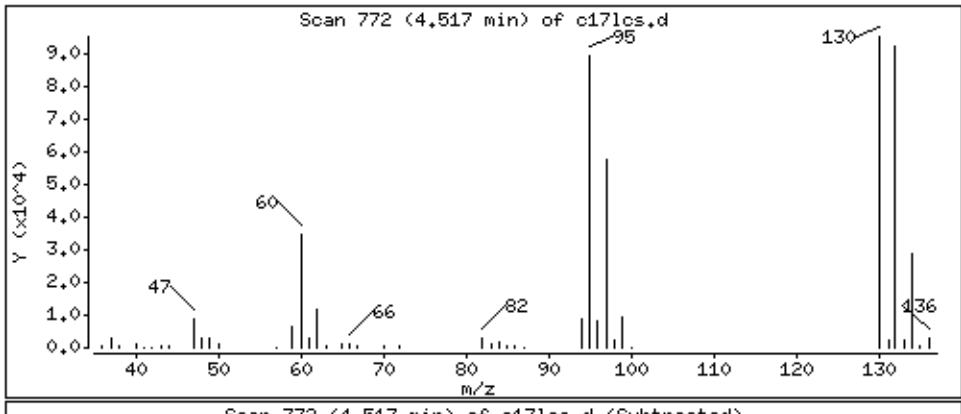
Operator: ala

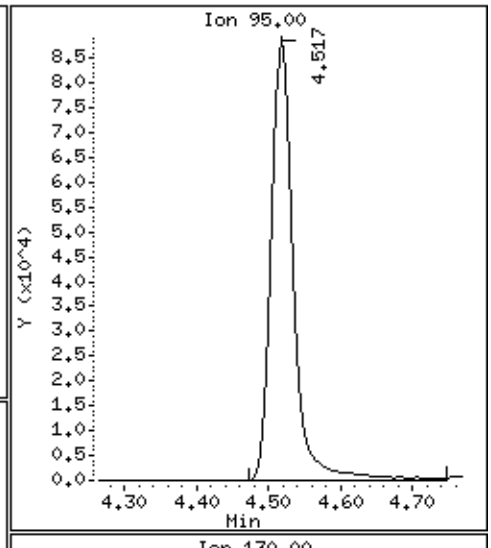
Column phase: DB-624

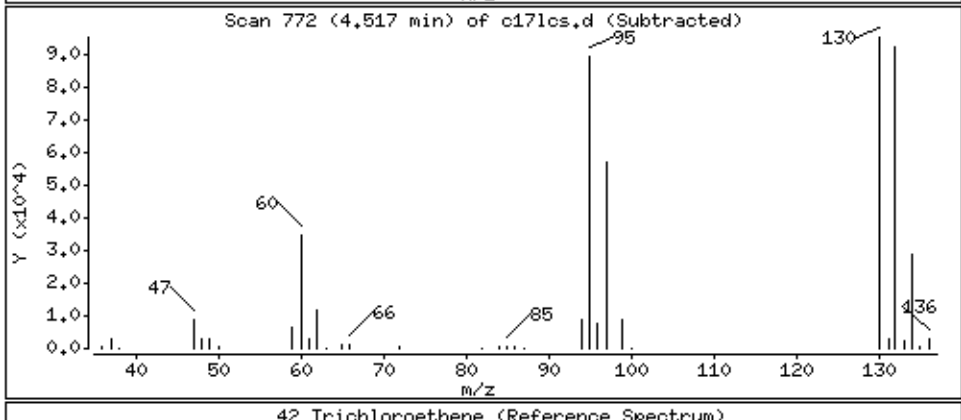
Column diameter: 0.18

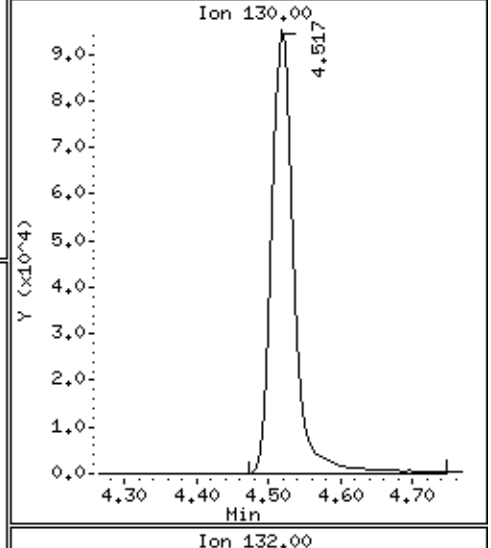
42 Trichloroethene

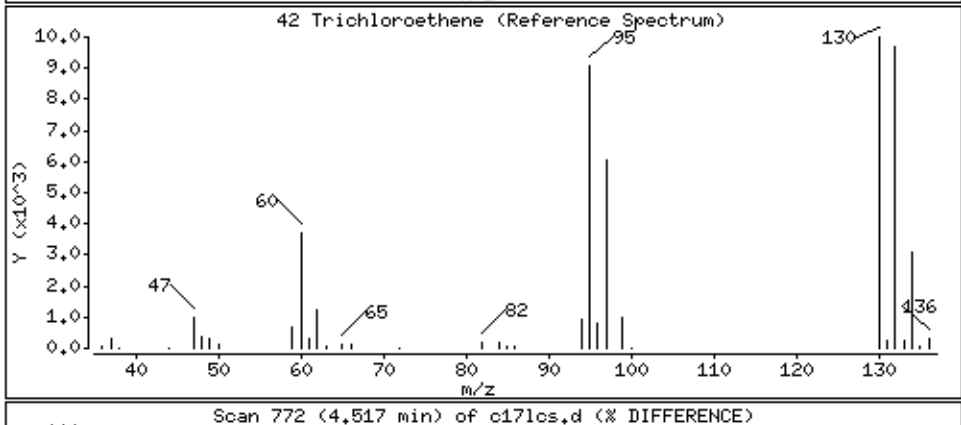
Concentration: 42.4 ppb

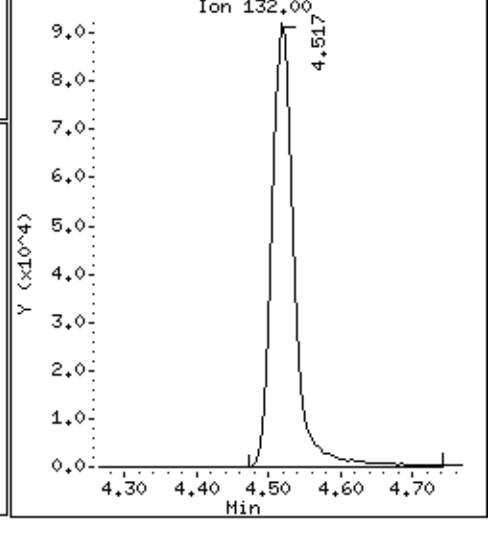


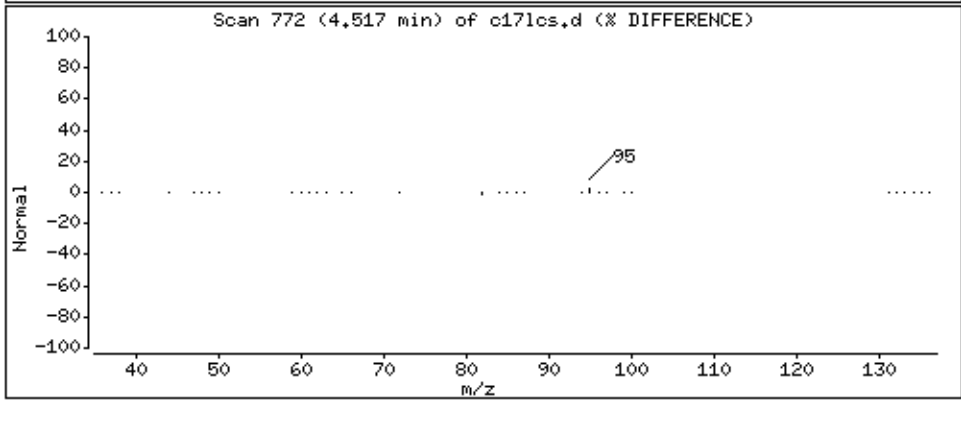












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

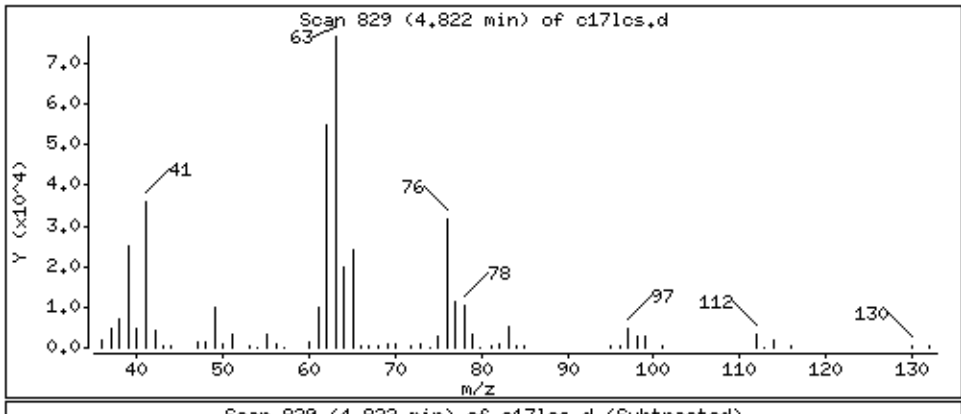
Operator: ala

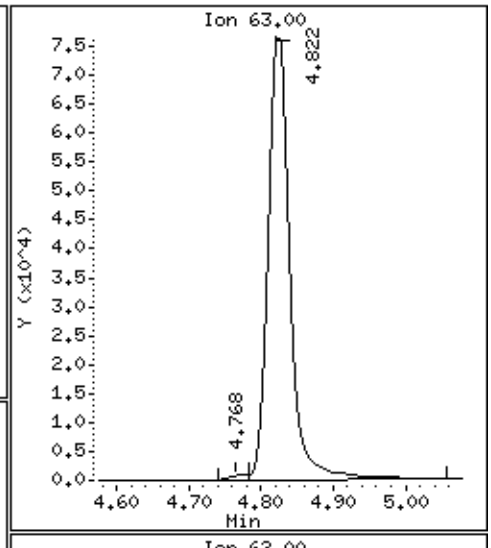
Column phase: DB-624

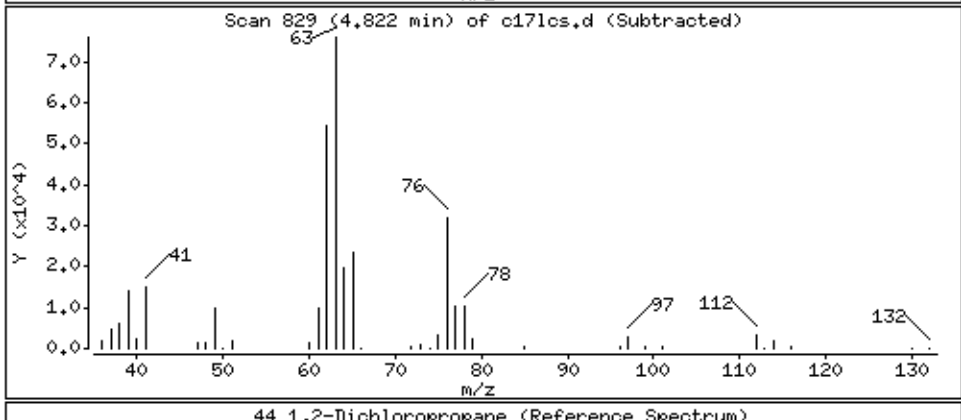
Column diameter: 0.18

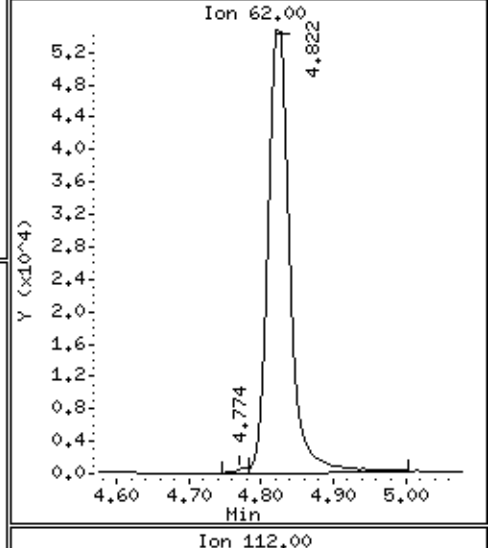
44 1,2-Dichloropropane

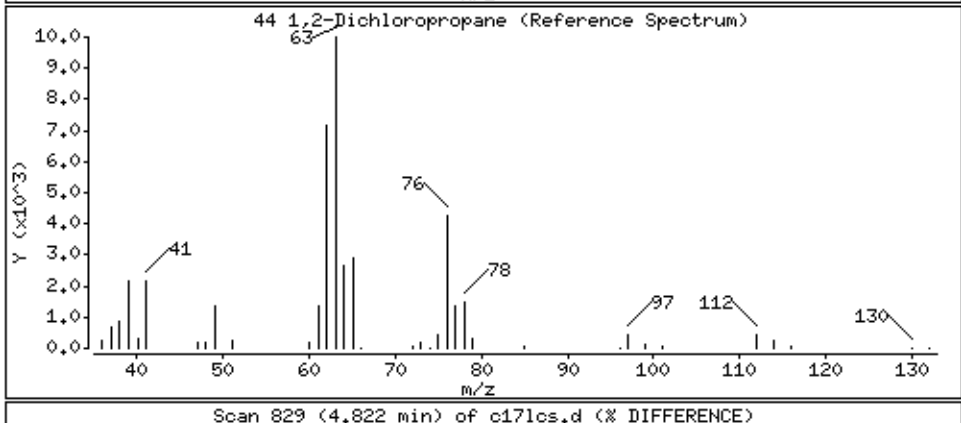
Concentration: 42.3 ppb

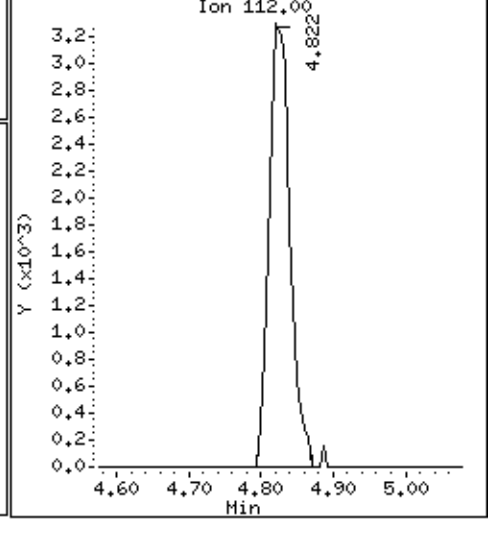


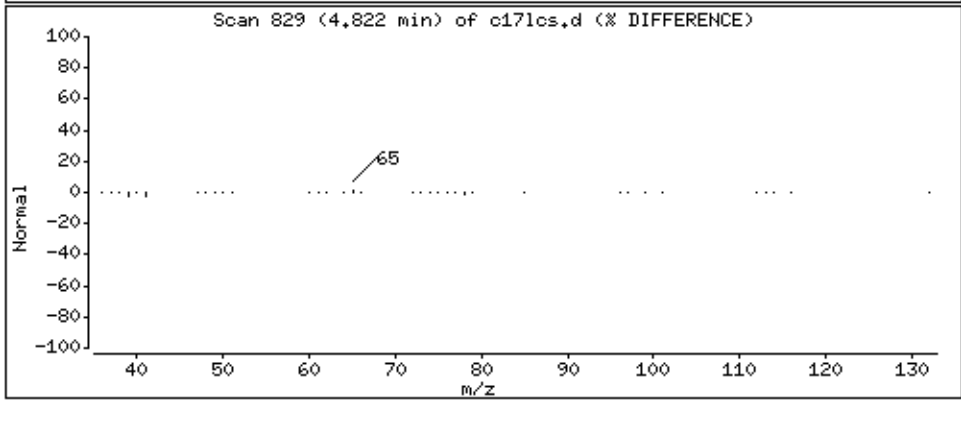












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

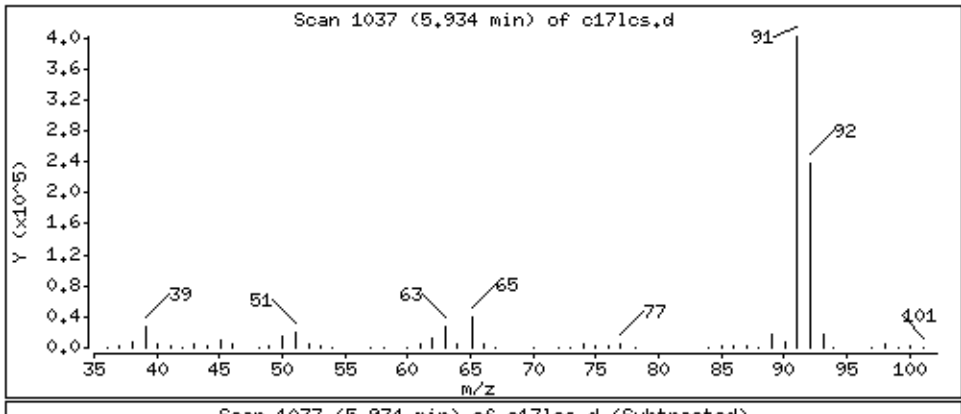
Operator: ala

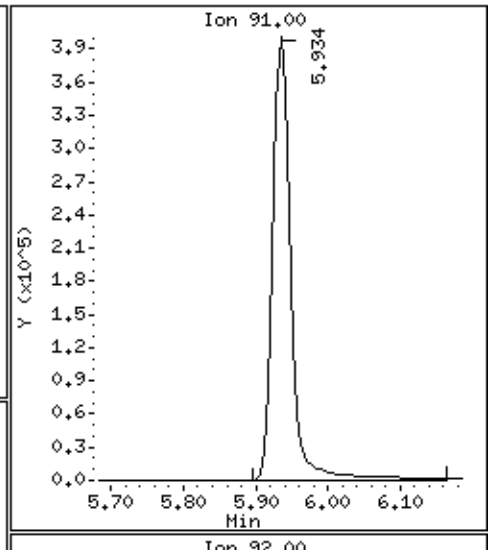
Column phase: DB-624

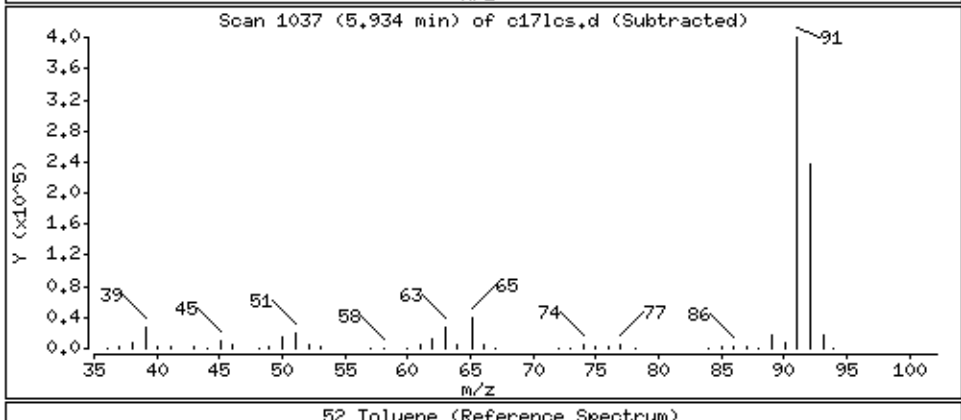
Column diameter: 0.18

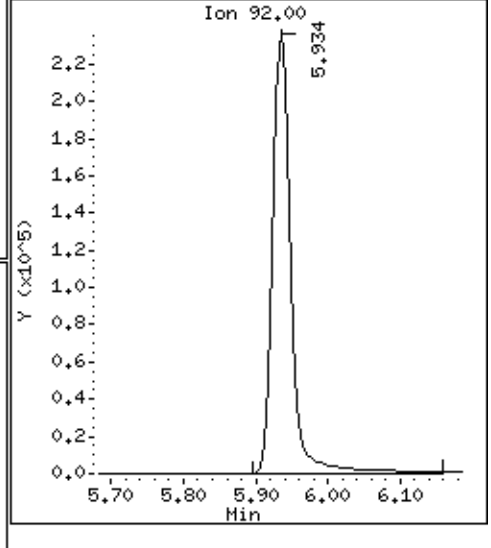
52 Toluene

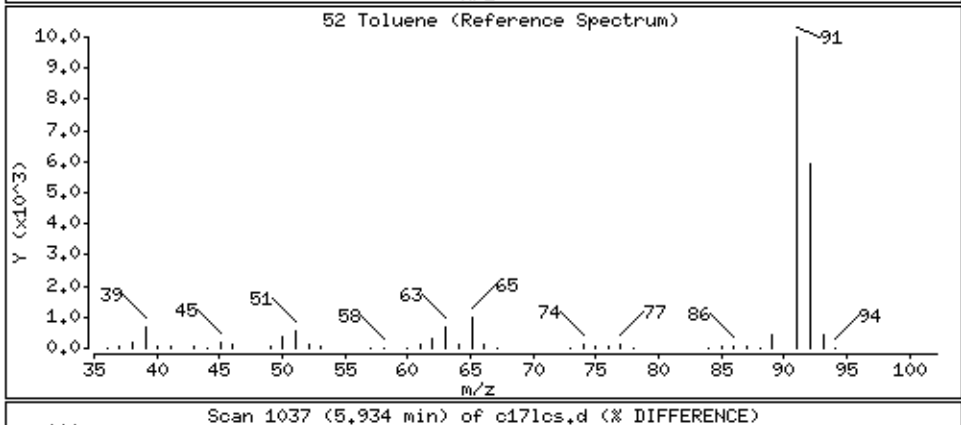
Concentration: 40.1 ppb

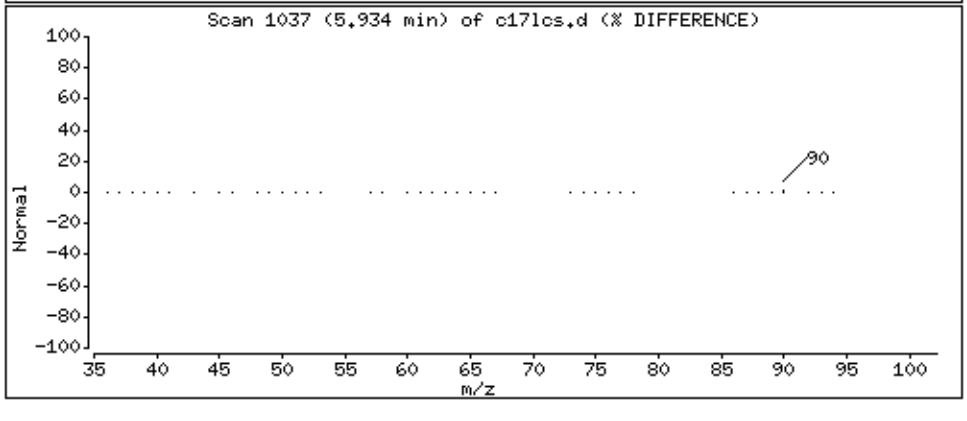












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

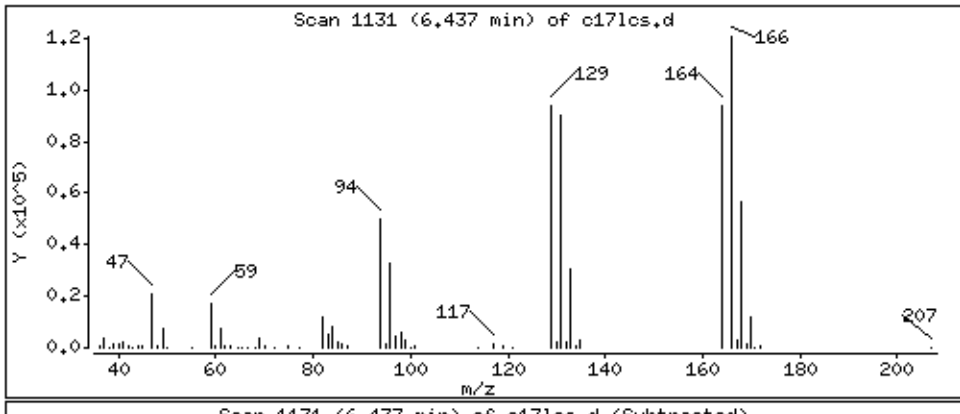
Operator: ala

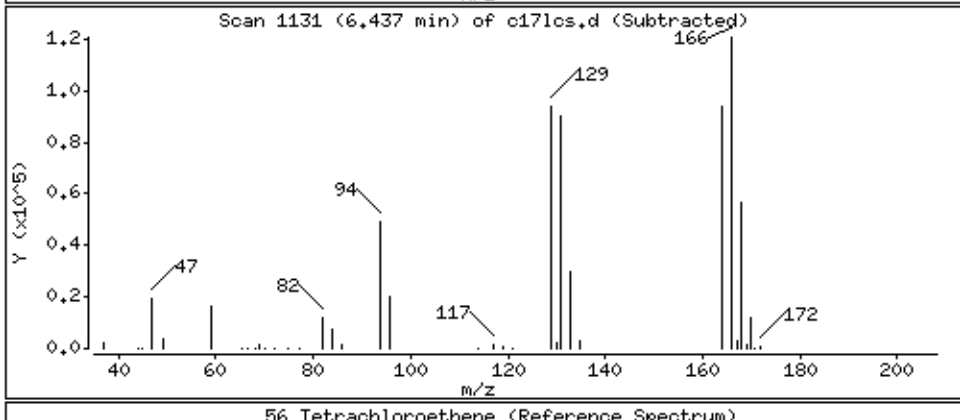
Column phase: DB-624

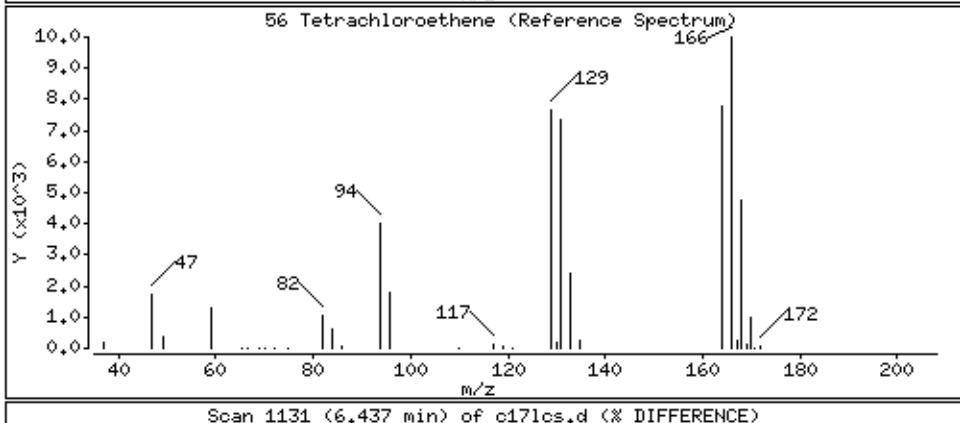
Column diameter: 0.18

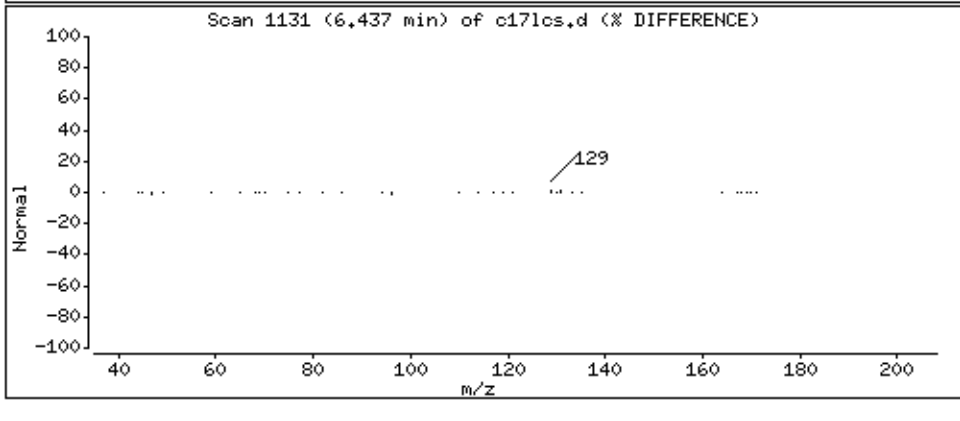
56 Tetrachloroethene

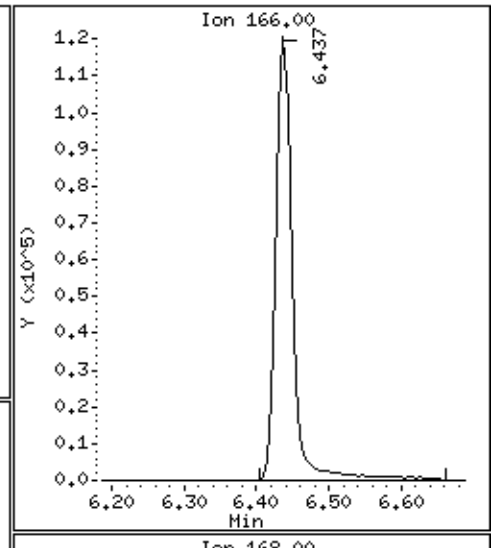
Concentration: 39.9 ppb

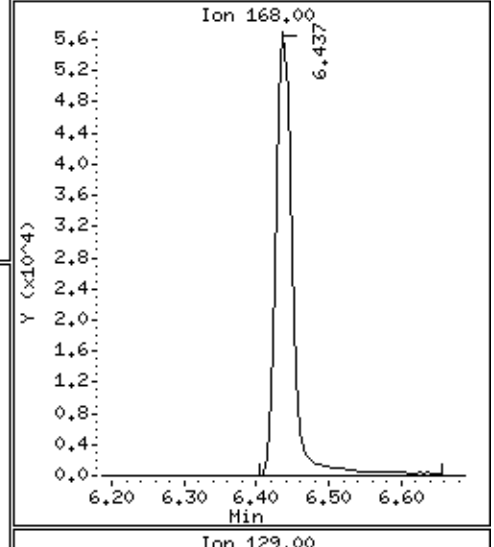


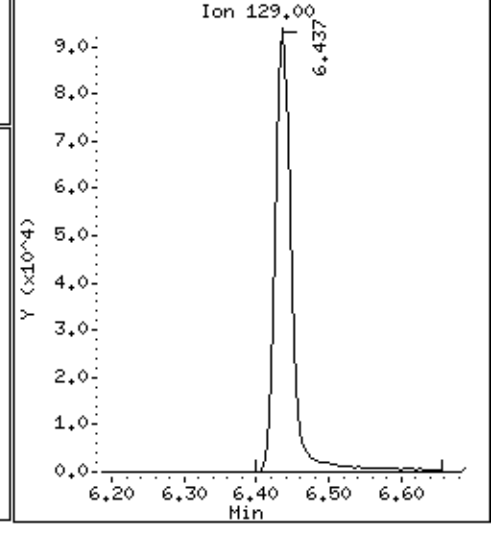












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

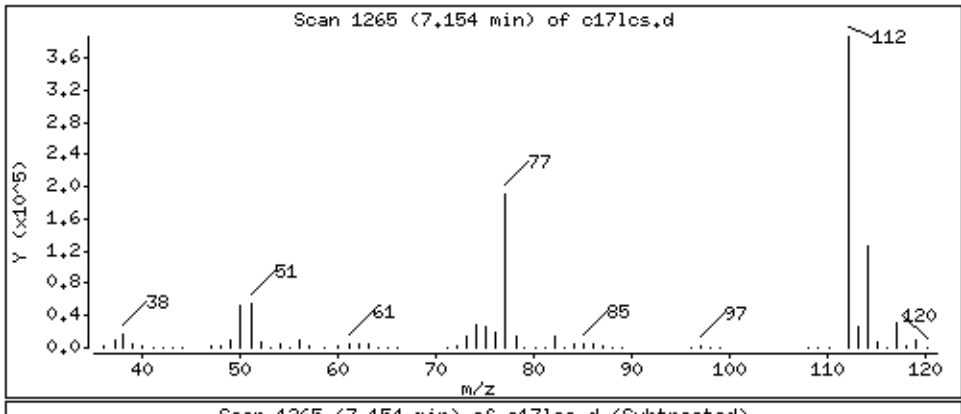
Operator: ala

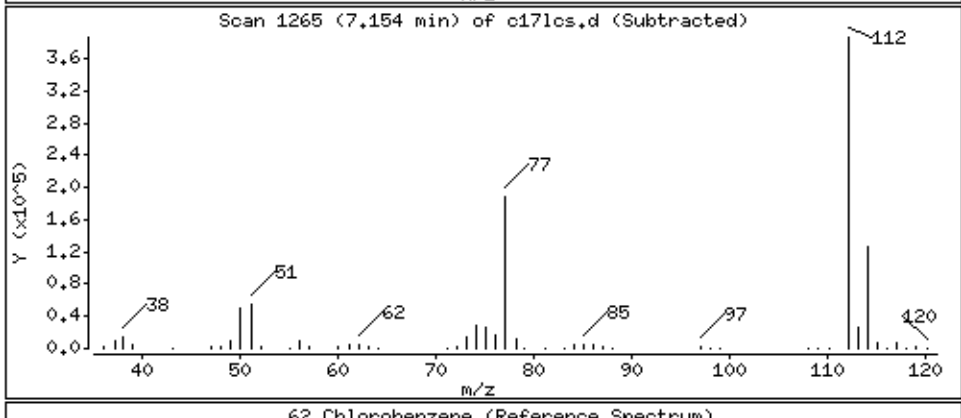
Column phase: DB-624

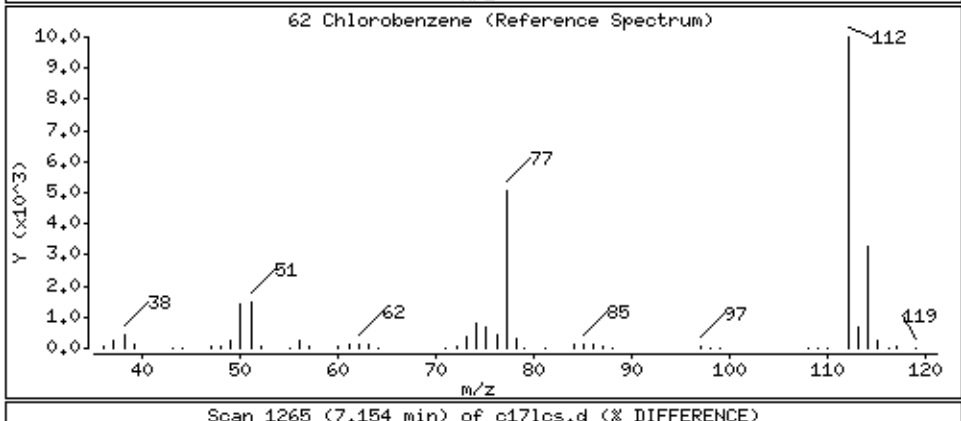
Column diameter: 0.18

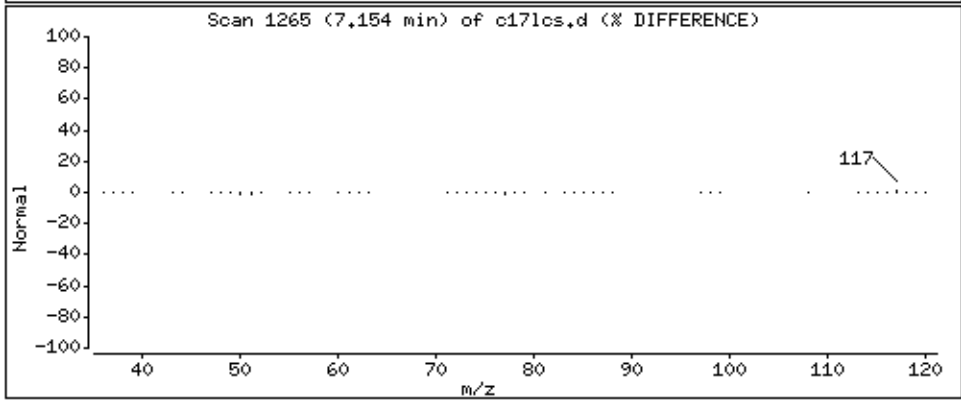
62 Chlorobenzene

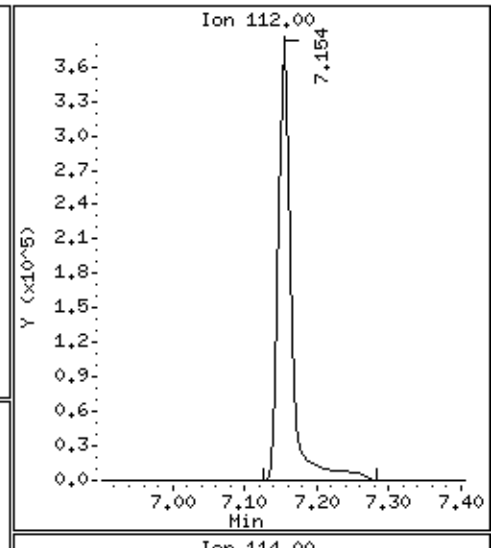
Concentration: 40.2 ppb

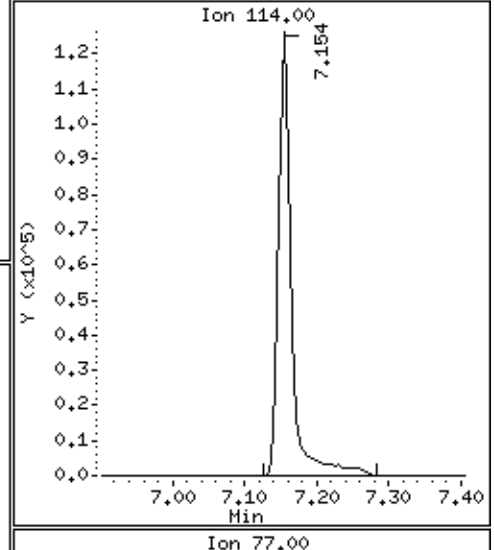


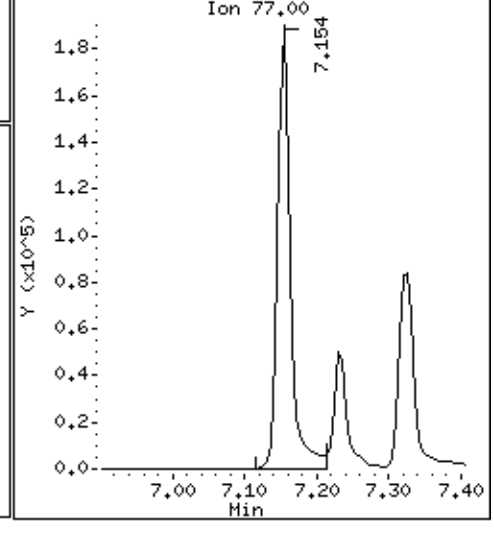












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

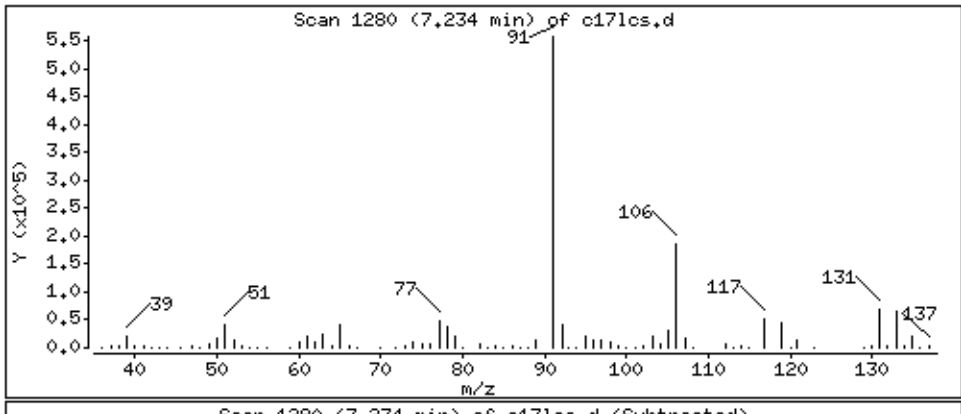
Operator: ala

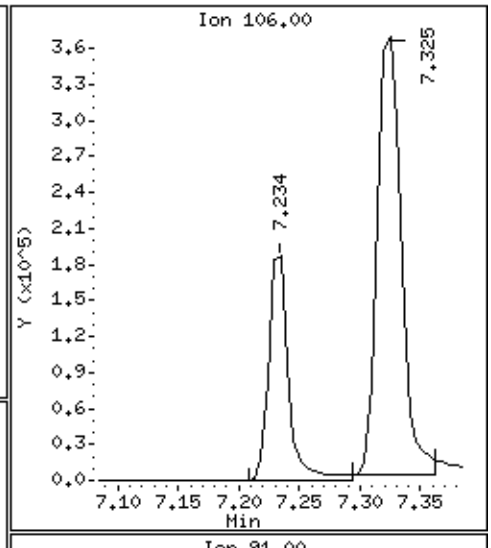
Column phase: DB-624

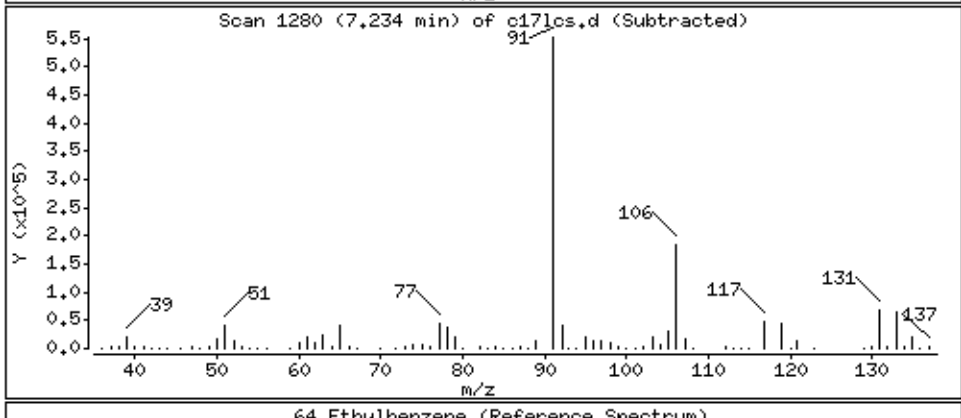
Column diameter: 0.18

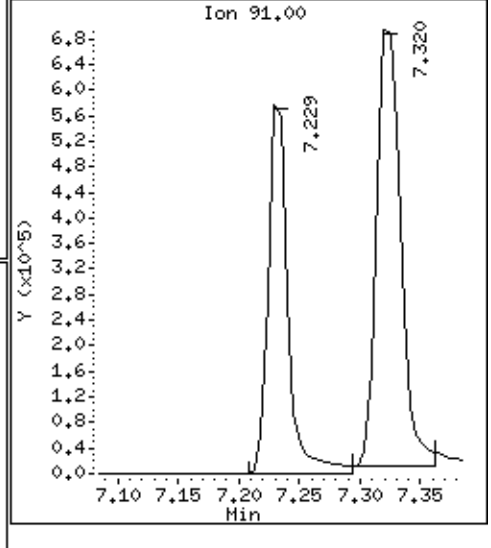
64 Ethylbenzene

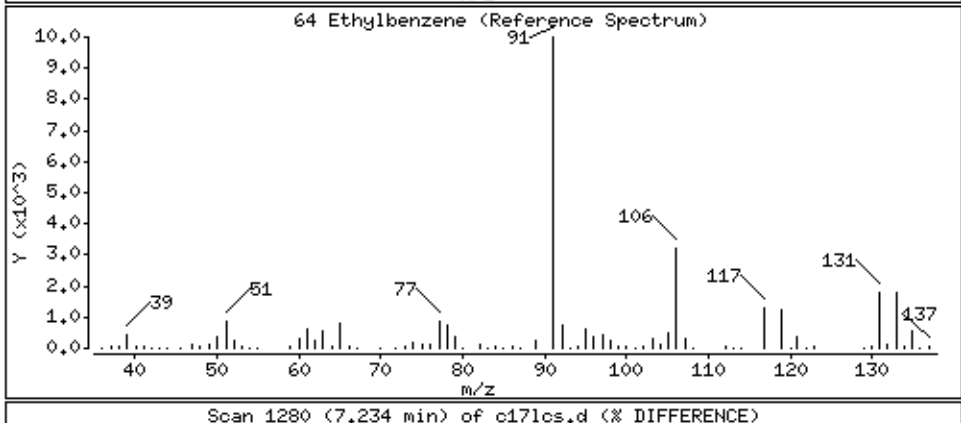
Concentration: 37.3 ppb

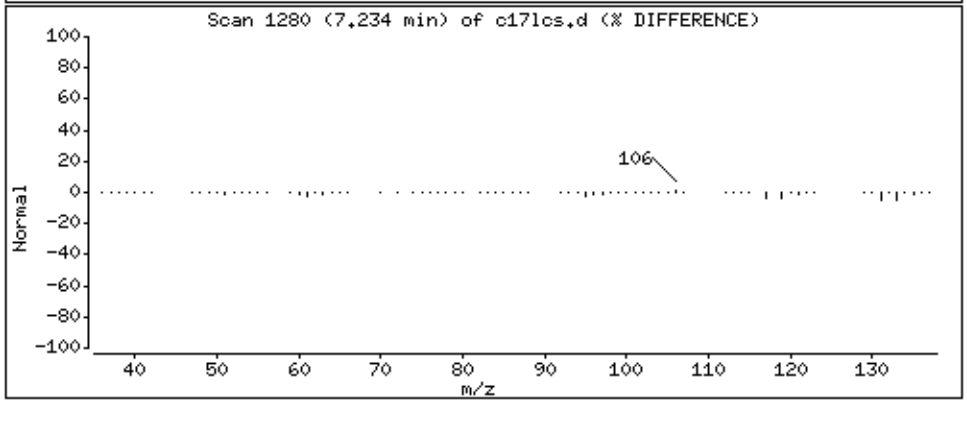












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Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

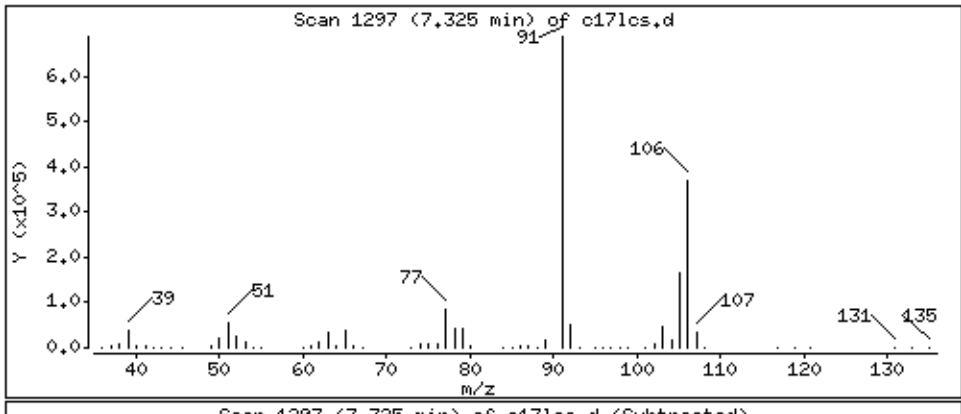
Operator: ala

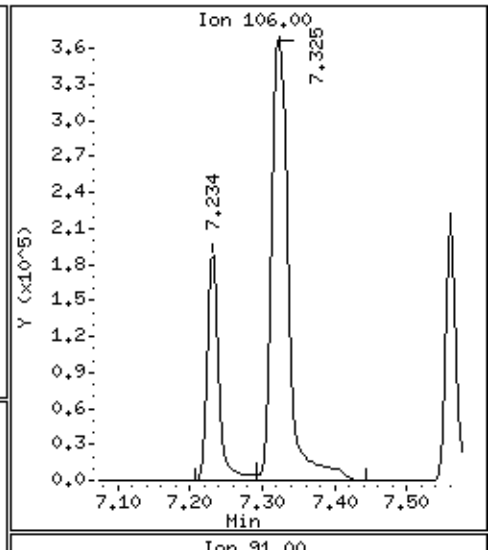
Column phase: DB-624

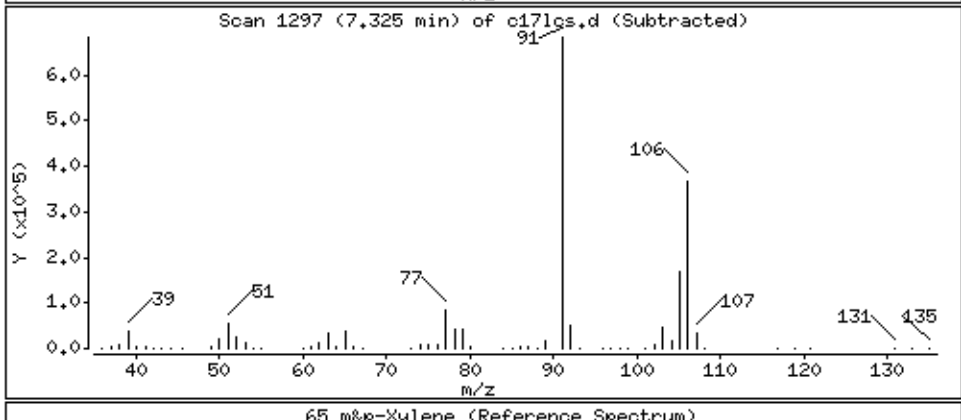
Column diameter: 0.18

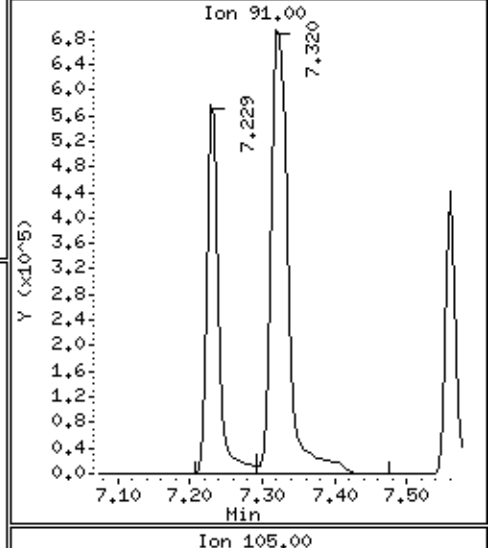
65 m&p-Xylene

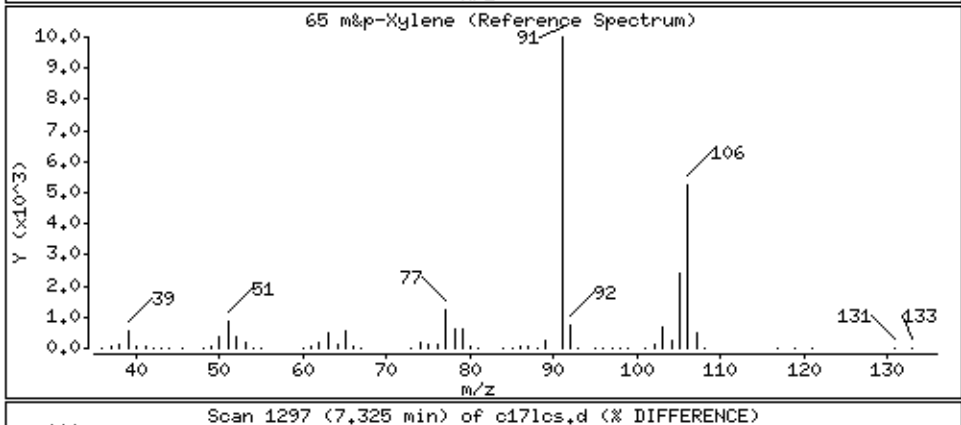
Concentration: 75.5 ppb

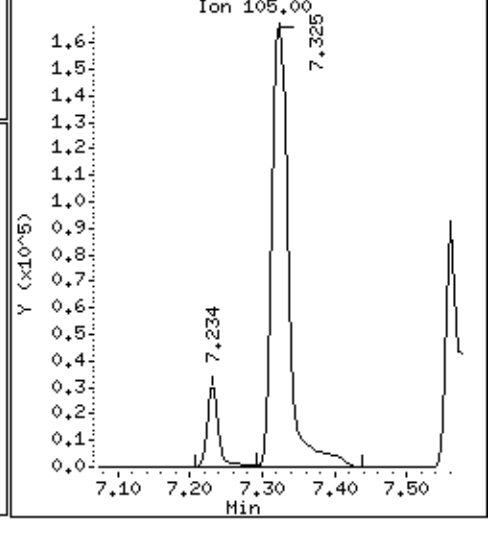


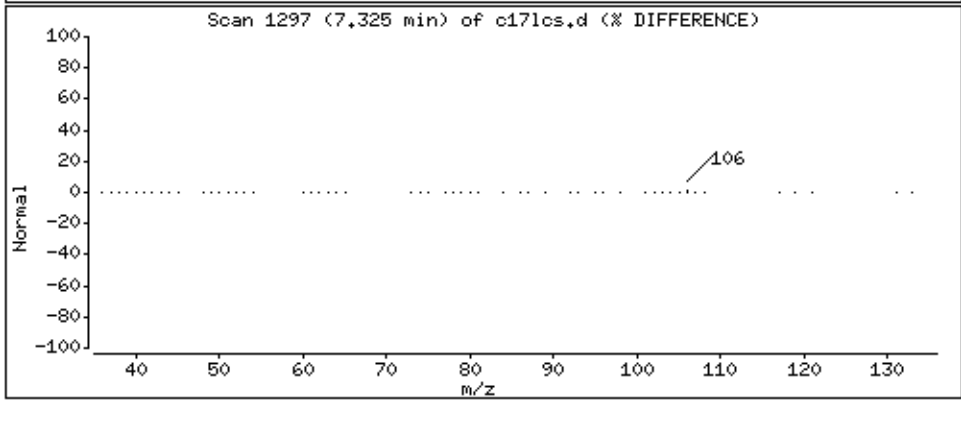












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

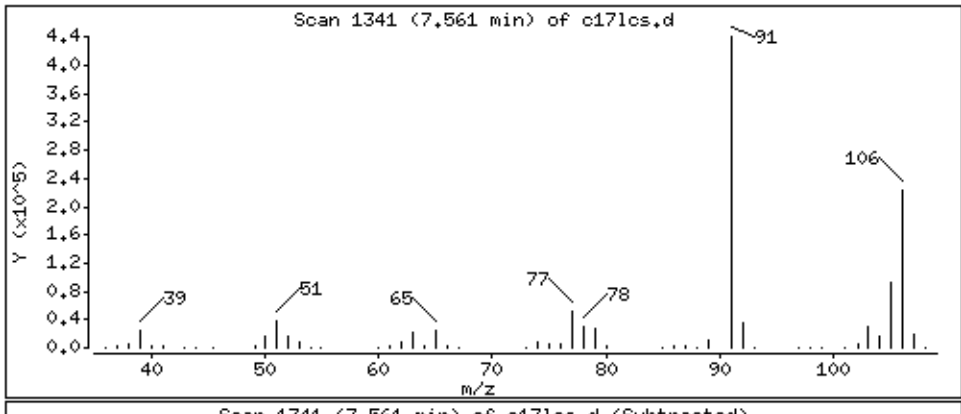
Operator: ala

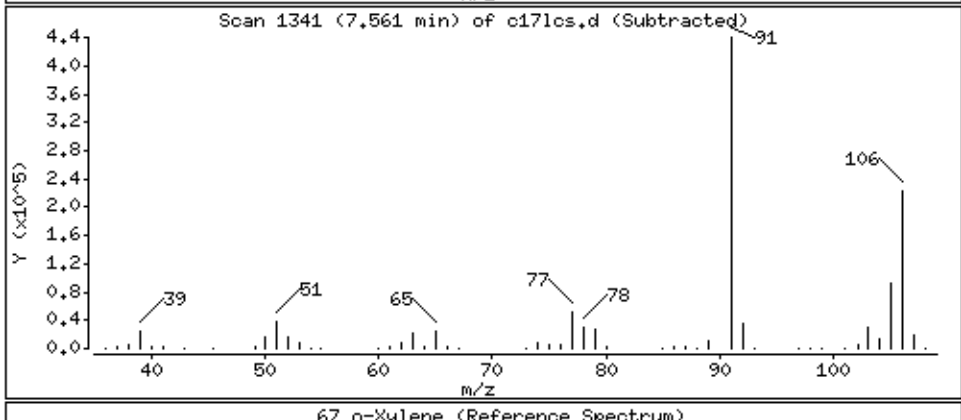
Column phase: DB-624

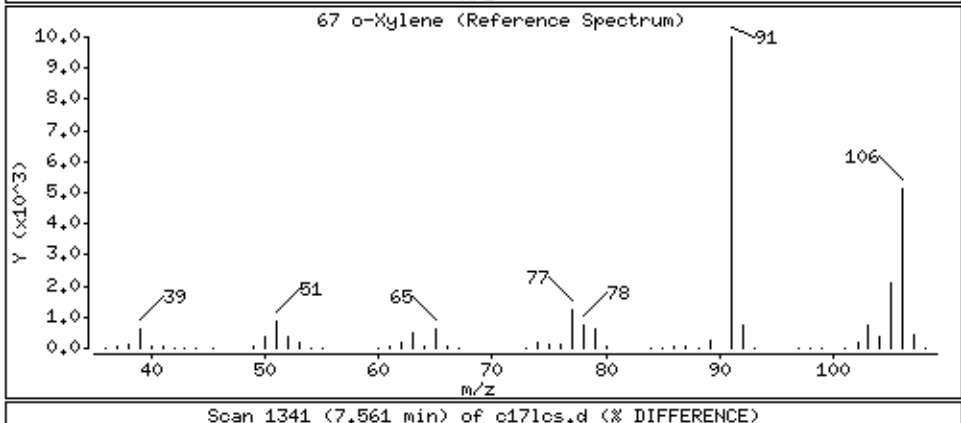
Column diameter: 0.18

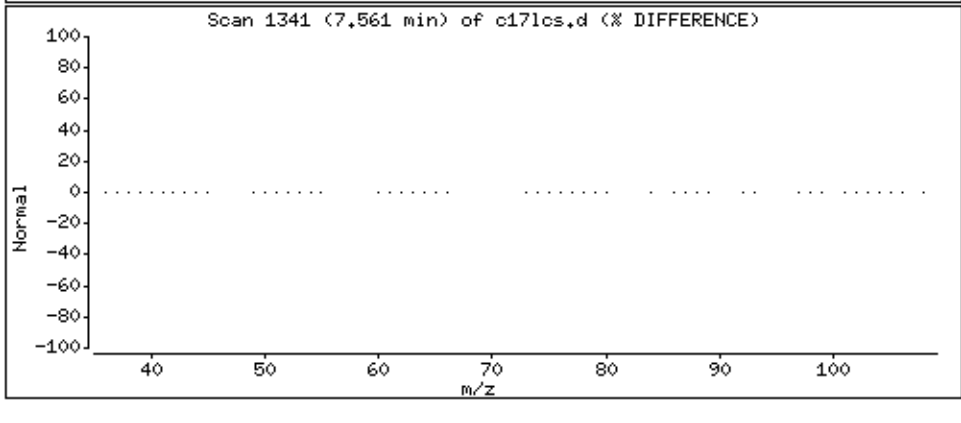
67 o-Xylene

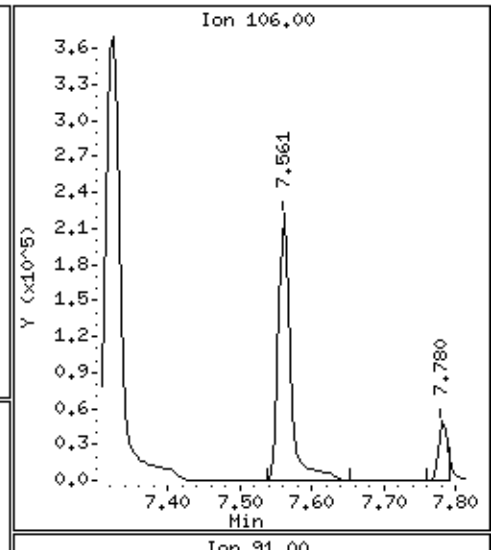
Concentration: 35.7 ppb

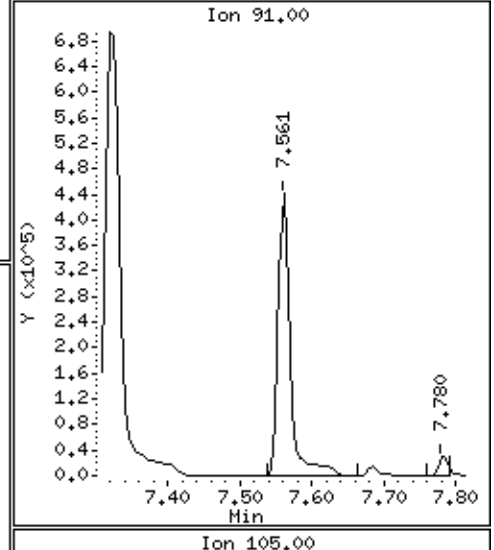


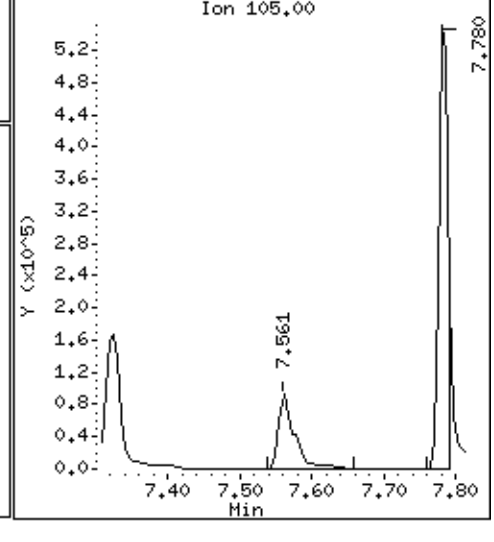












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

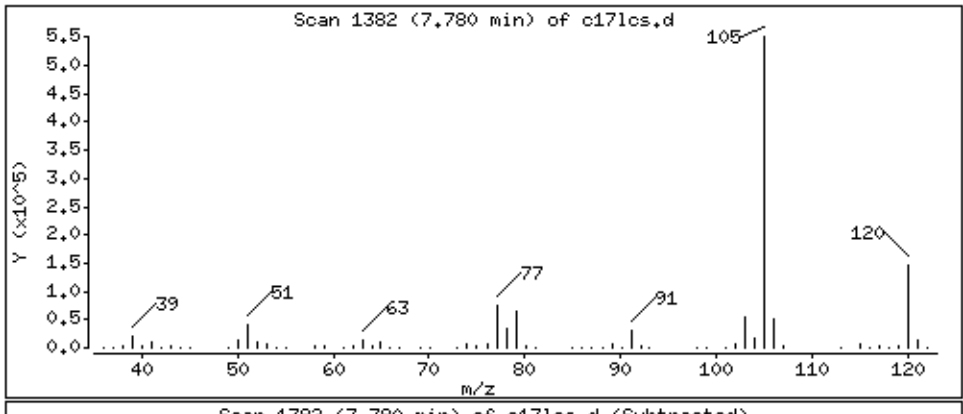
Operator: ala

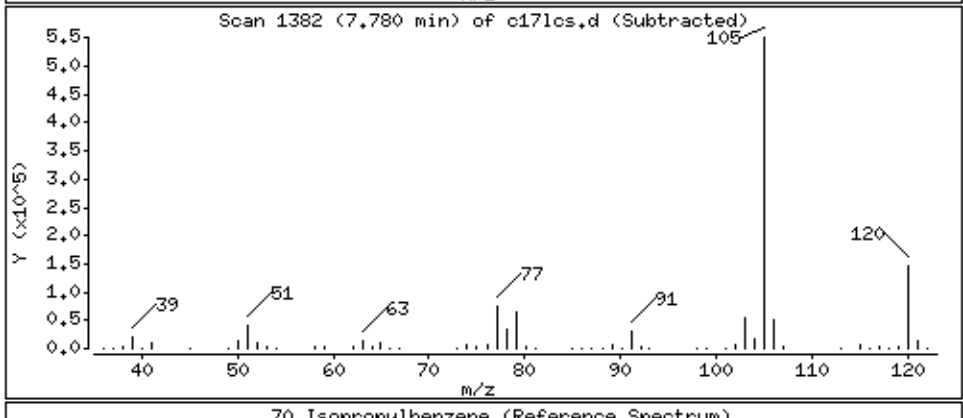
Column phase: DB-624

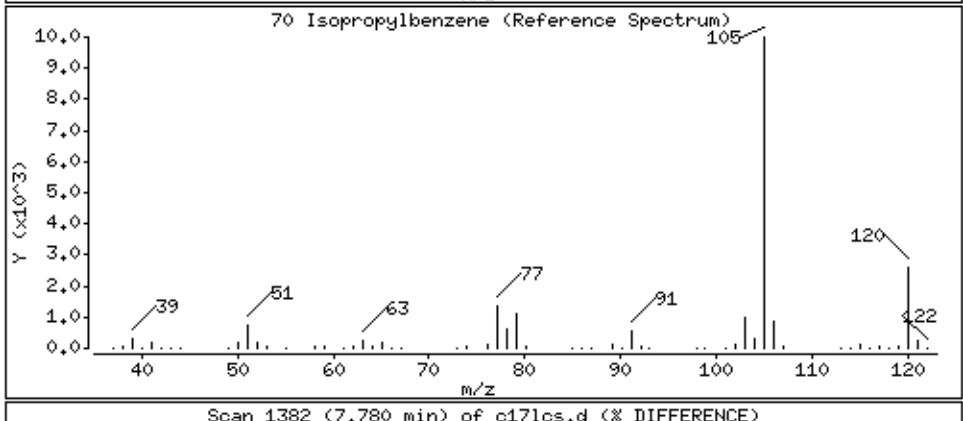
Column diameter: 0.18

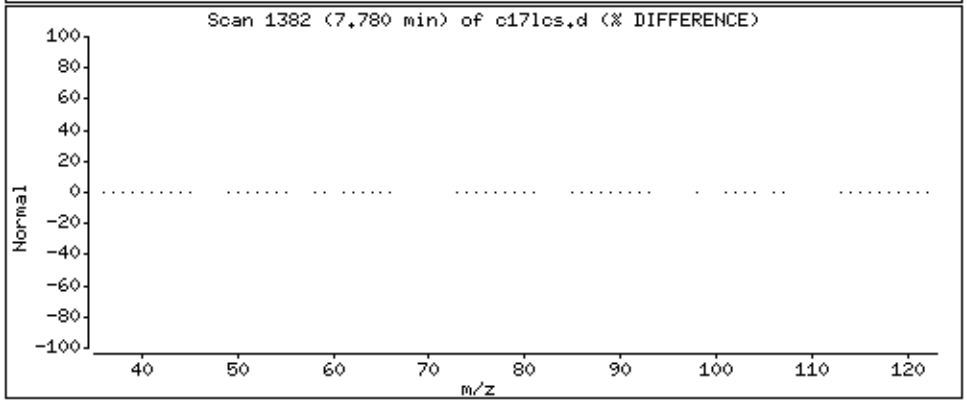
70 Isopropylbenzene

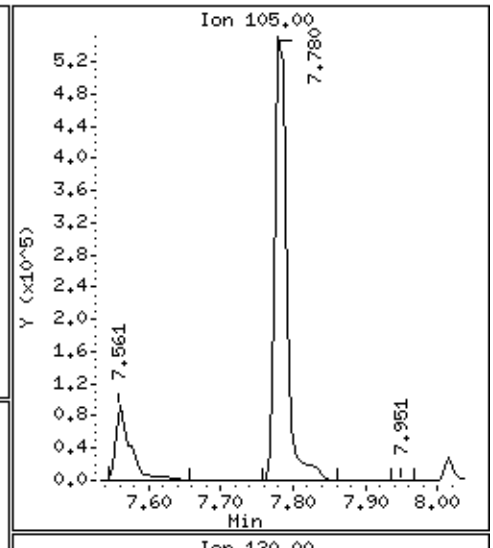
Concentration: 34.8 ppb

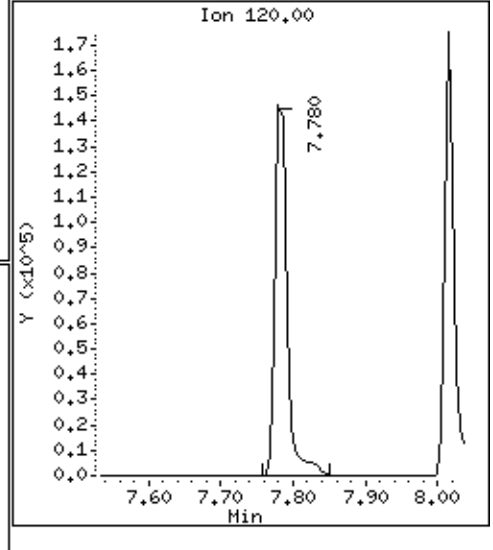












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

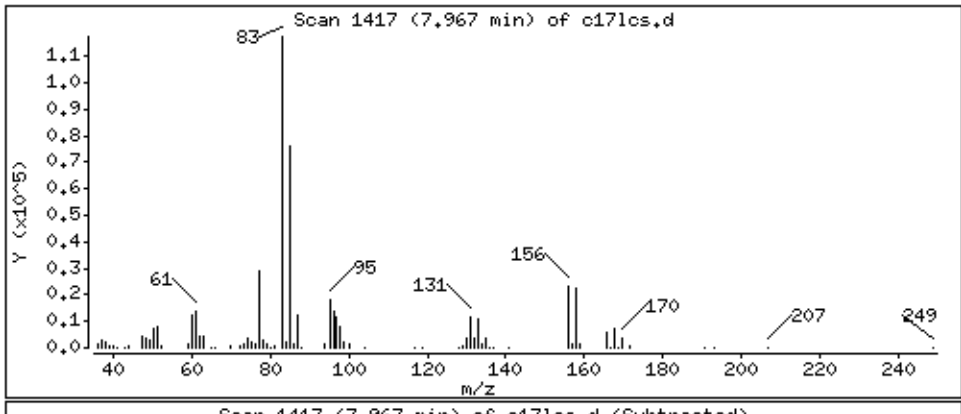
Operator: ala

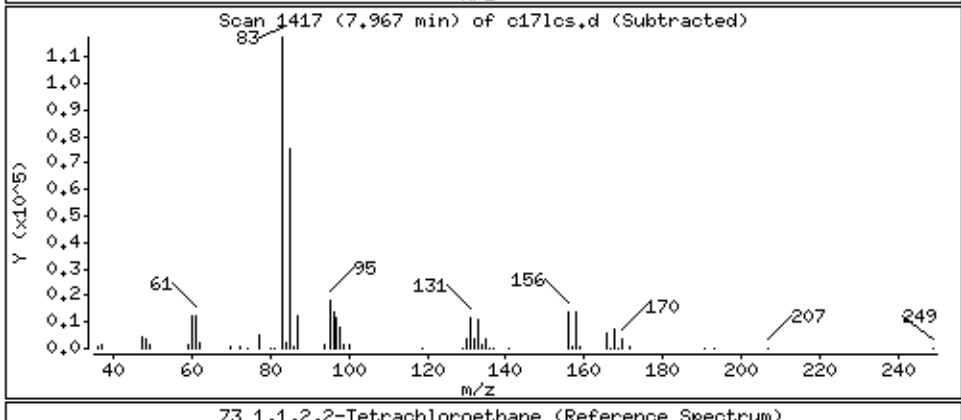
Column phase: DB-624

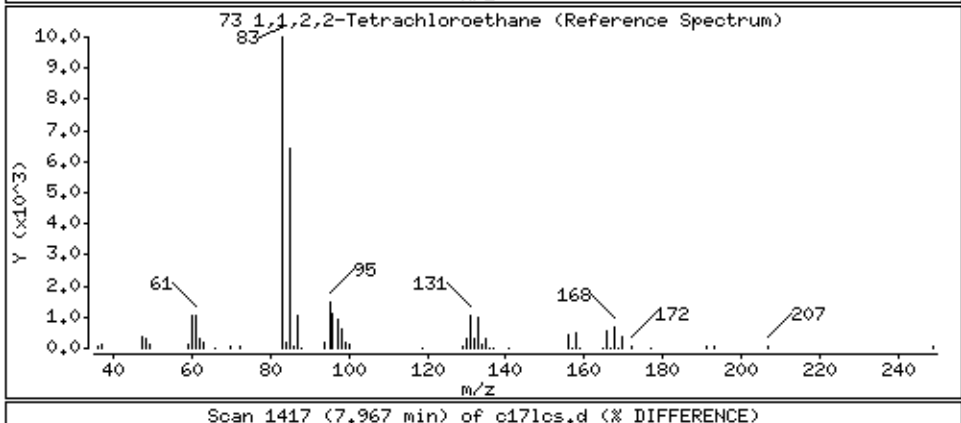
Column diameter: 0.18

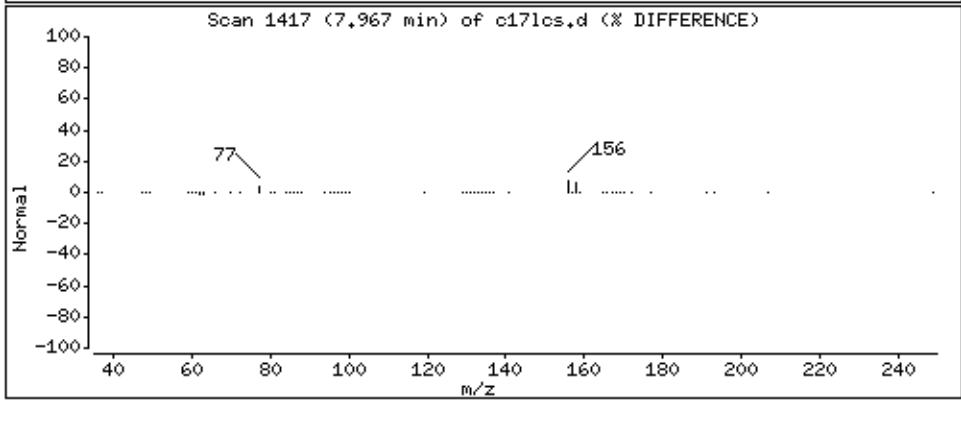
73 1,1,2,2-Tetrachloroethane

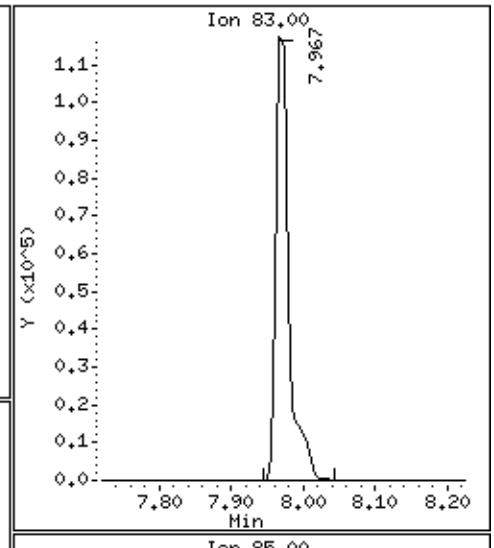
Concentration: 43.8 ppb

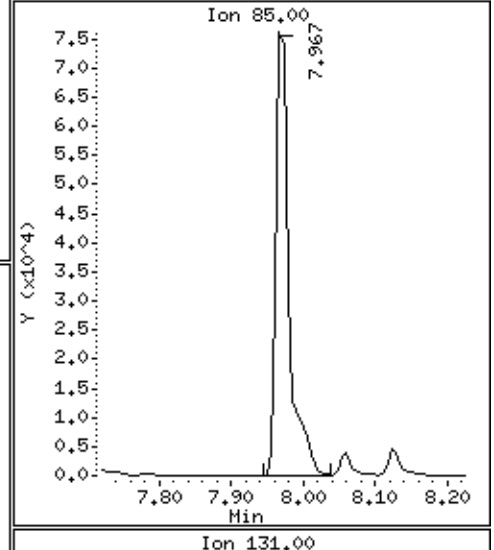


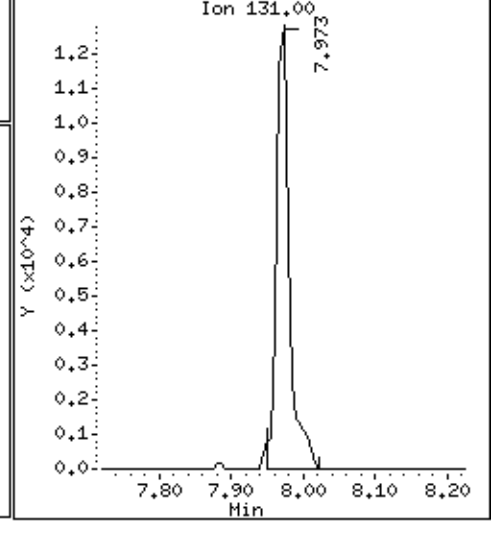












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

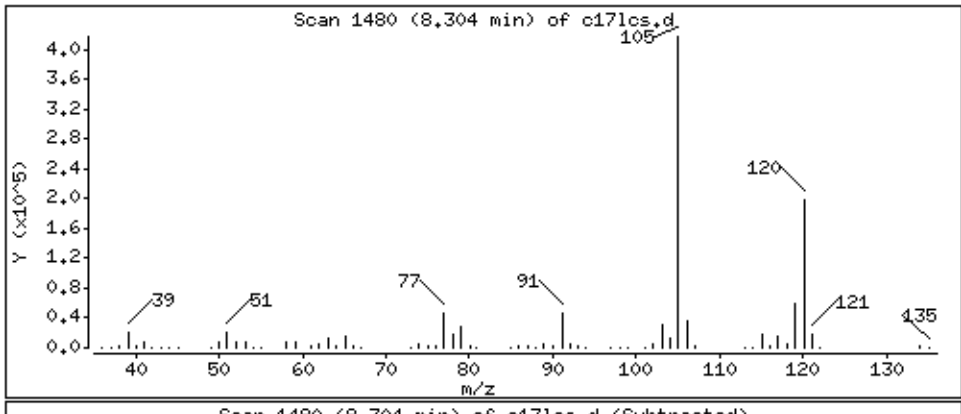
Operator: ala

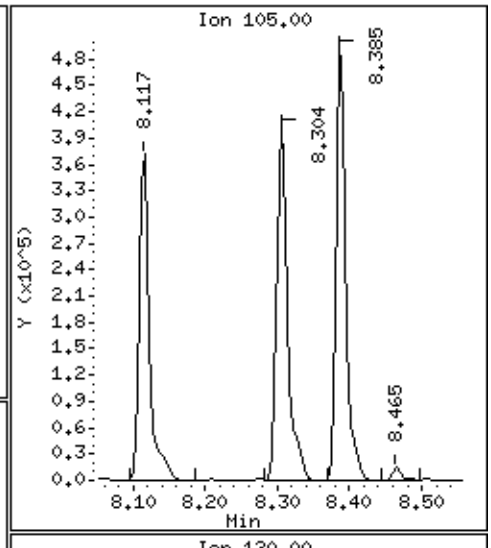
Column phase: DB-624

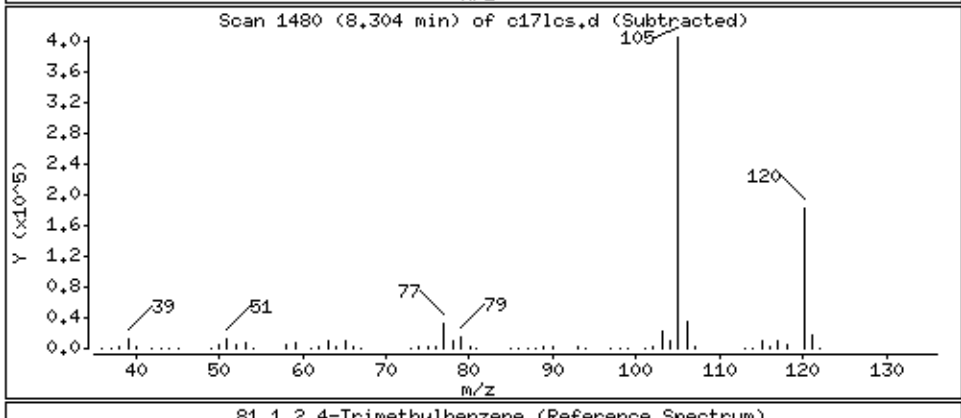
Column diameter: 0.18

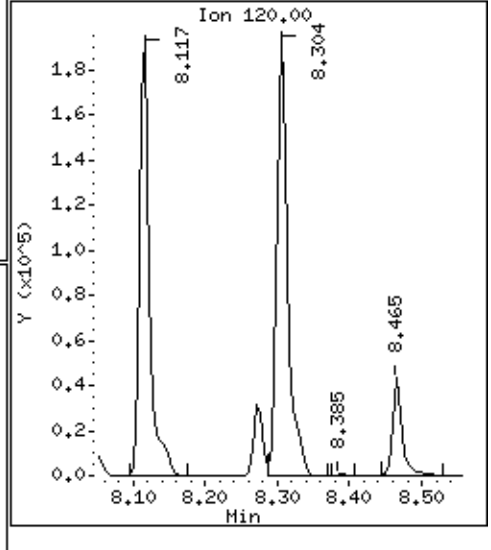
81 1,2,4-Trimethylbenzene

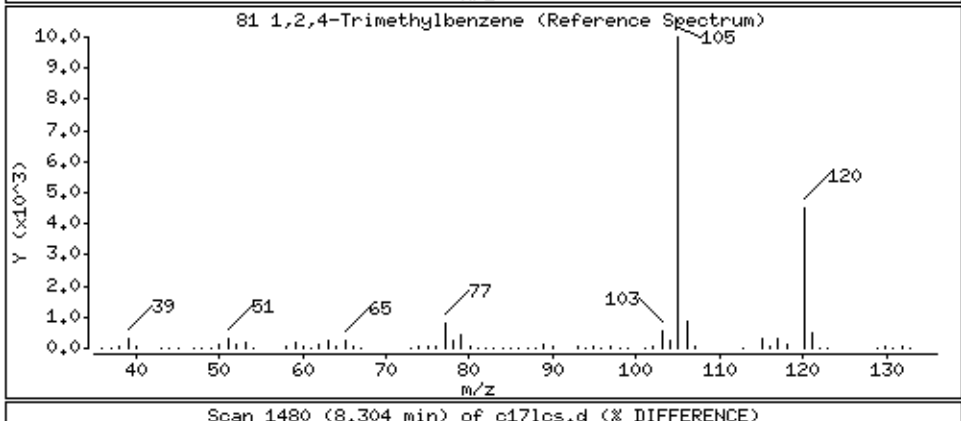
Concentration: 35.0 ppb

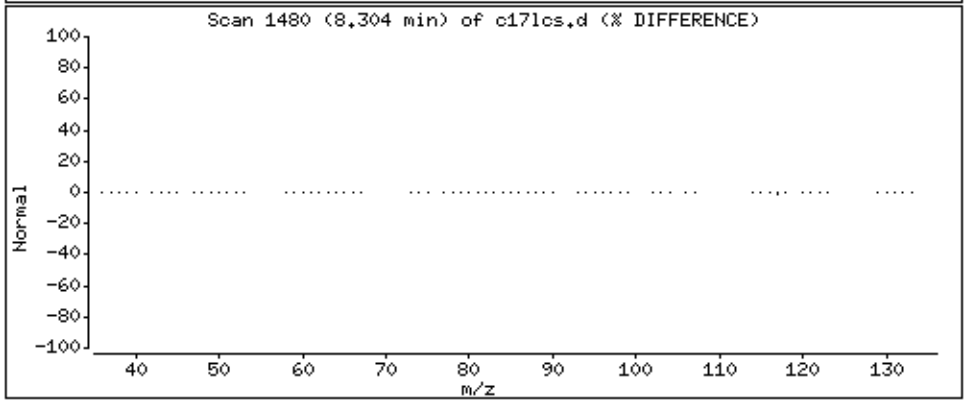












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b\c17lcs.d

Date : 03-JUL-2014 10:24

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1122598,71693:5

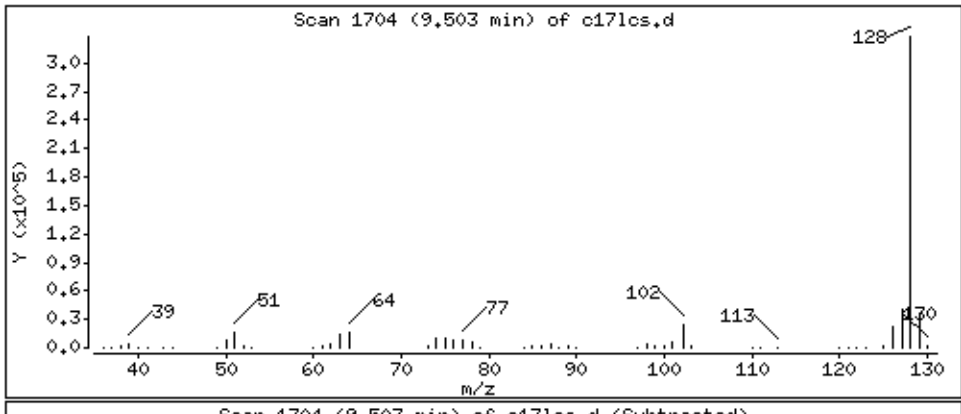
Operator: ala

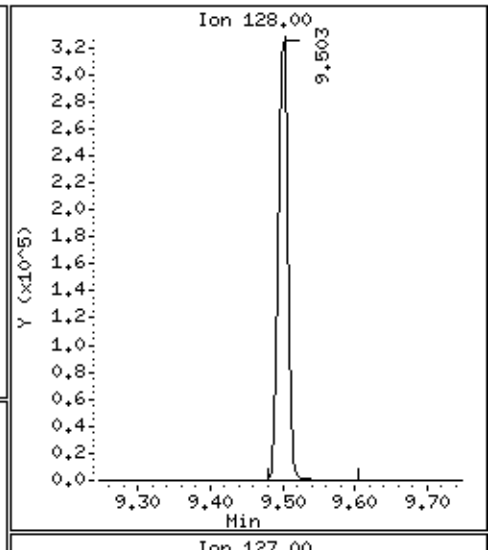
Column phase: DB-624

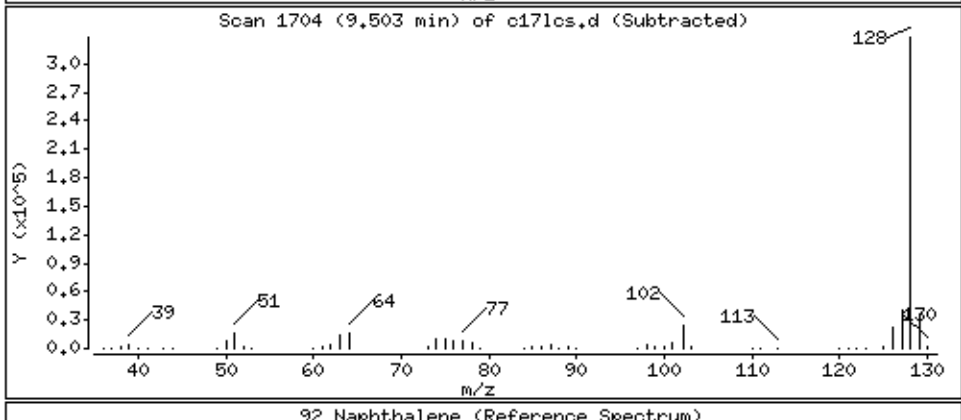
Column diameter: 0.18

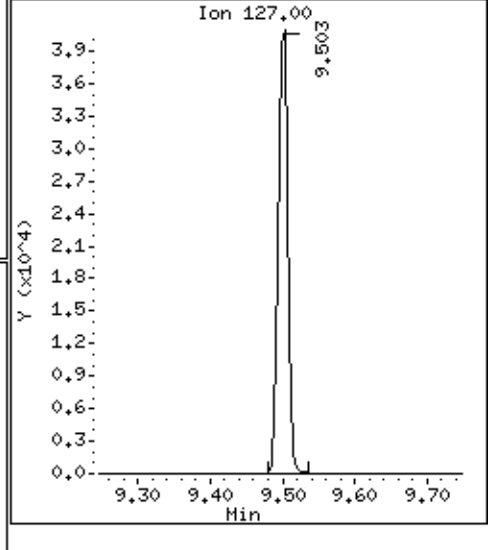
92 Naphthalene

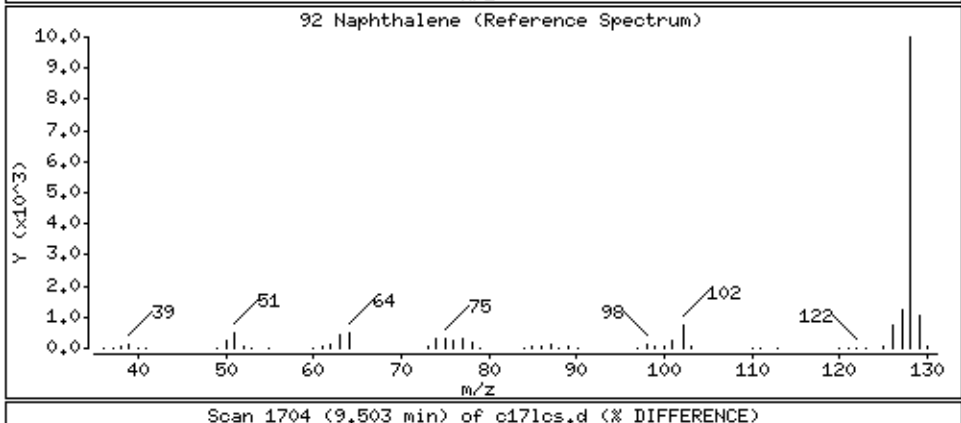
Concentration: 39.8 ppb

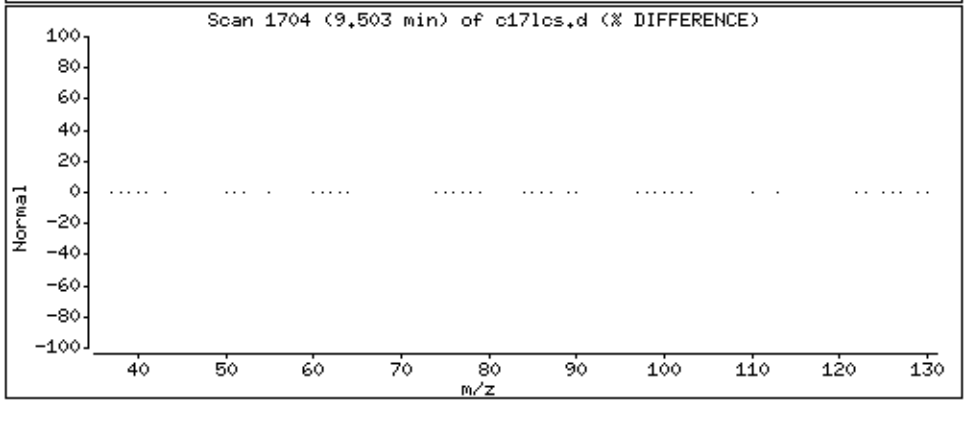












Data File: \\192.168.50.6\chem\50mv6b.i\b070214.b/c17lcs.d
Injection Date: 03-JUL-2014 10:24
Instrument: 50mv6b.i
Lab Sample ID: 1122598
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/03/2014 21:56 Lab Sample ID: 1123195

Date Analyzed: 07/03/2014 21:56 Lab File ID: B070314CAL.B\A11LCS.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	48.9	
108-90-7	Chlorobenzene	44.7	
67-66-3	Chloroform	43.2	
75-35-4	1,1-Dichloroethene	44.6	
78-87-5	1,2-Dichloropropane	46.1	
100-41-4	Ethylbenzene	43.9	
98-82-8	Isopropylbenzene (Cumene)	46.2	
1634-04-4	Methyl-tert-butyl ether	100	
91-20-3	Naphthalene	51.2	
79-34-5	1,1,2,2-Tetrachloroethane	43.9	
127-18-4	Tetrachloroethene	44.8	
108-88-3	Toluene	46.6	
71-55-6	1,1,1-Trichloroethane	48.6	
79-01-6	Trichloroethene	48.4	
95-63-6	1,2,4-Trimethylbenzene	38.7	
75-01-4	Vinyl chloride	51.2	
1330-20-7	Xylene (Total)	136	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d
Lab Smp Id: 1123195 Client Smp ID: MBLCS
Inj Date : 03-JUL-2014 21:56
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1123195,71787:5
Misc Info : 66492
Comment   :
Method   : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 12 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 MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.050	1.050	(0.258)	193057	51.1885	51.2
	11 1,1-Dichloroethene	96	1.585	1.585	(0.390)	142487	44.5515	44.6
	20 Methyl-tert-butyl ether	73	1.997	1.996	(0.491)	752771	100.396	100
	32 Chloroform	83	3.088	3.082	(0.759)	306590	43.2006	43.2
	34 1,1,1-Trichloroethane	97	3.254	3.248	(0.800)	243873	48.5760	48.6
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.800)	147452	46.9395	46.9
	39 Benzene	78	3.666	3.660	(0.901)	688095	48.8819	48.9
*	41 Fluorobenzene	96	4.067	4.067	(1.000)	606561	50.0000	
	42 Trichloroethene	95	4.511	4.511	(1.109)	187394	48.4233	48.4
	44 1,2-Dichloropropane	63	4.816	4.816	(1.184)	155973	46.1411	46.1
$	51 Toluene-d8	98	5.859	5.859	(0.821)	481745	50.7797	50.8
	52 Toluene	91	5.929	5.928	(0.831)	678189	46.5893	46.6
	56 Tetrachloroethene	166	6.432	6.431	(0.902)	181067	44.8105	44.8
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	402565	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	443333	44.7231	44.7
	64 Ethylbenzene	106	7.229	7.228	(1.013)	223874	43.8937	43.9
	65 m&p-Xylene	106	7.320	7.325	(1.026)	581374	89.6223	89.6
	67 o-Xylene	106	7.560	7.560	(1.060)	247039	46.7385	46.7
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	600665	46.1678	46.2
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	153457	47.6714	47.7
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	130222	43.9320	43.9

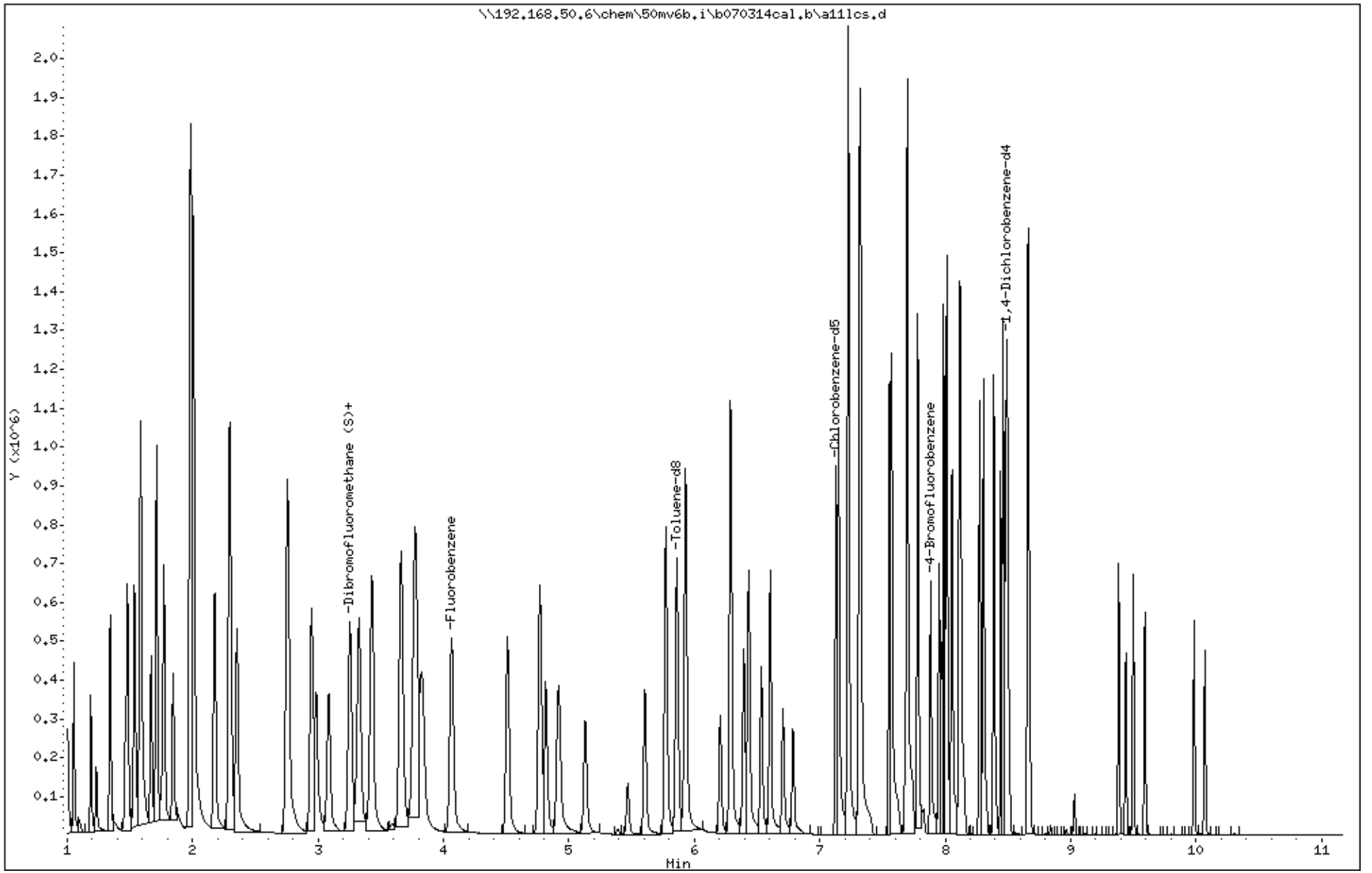
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	398950	38.7164	38.7
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	177194	50.0000	(Q)
92 Naphthalene	128	9.502	9.502	(1.120)	303825	51.1554	51.2

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d
Date : 03-JUL-2014 21:56
Client ID: MBLCS
Sample Info: 1123195,71787:5

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

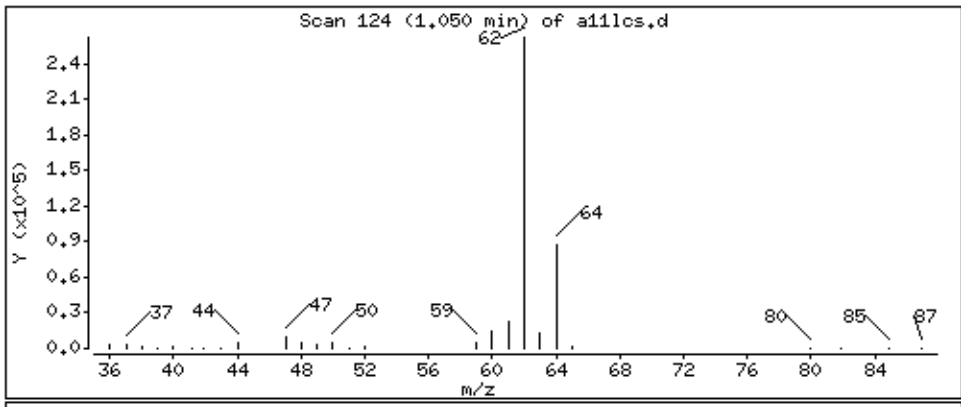
Operator: ala

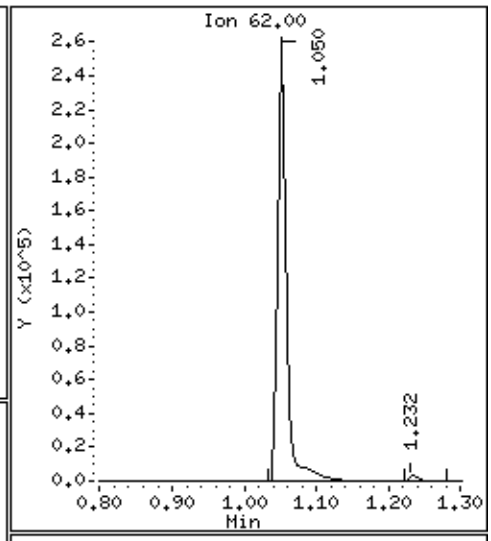
Column phase: DB-624

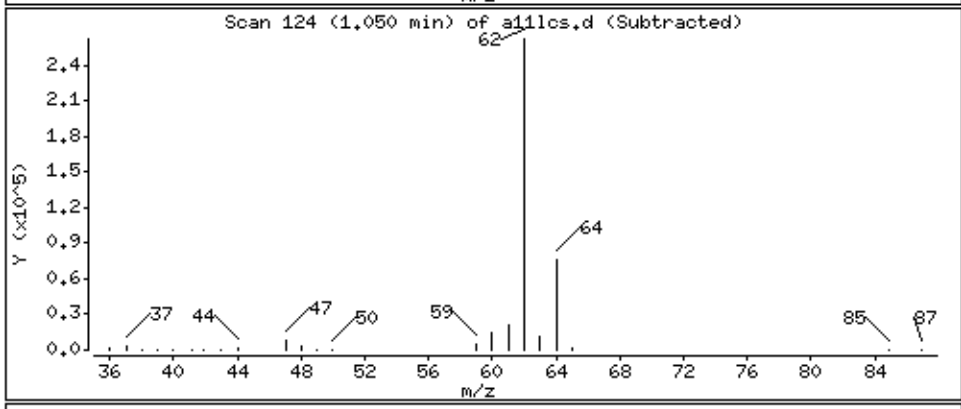
Column diameter: 0.18

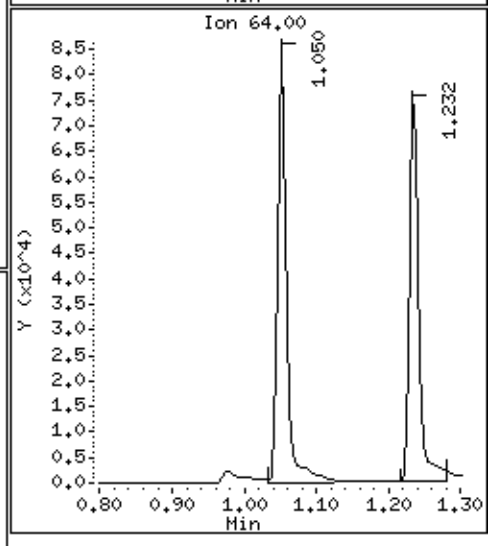
3 Vinyl Chloride

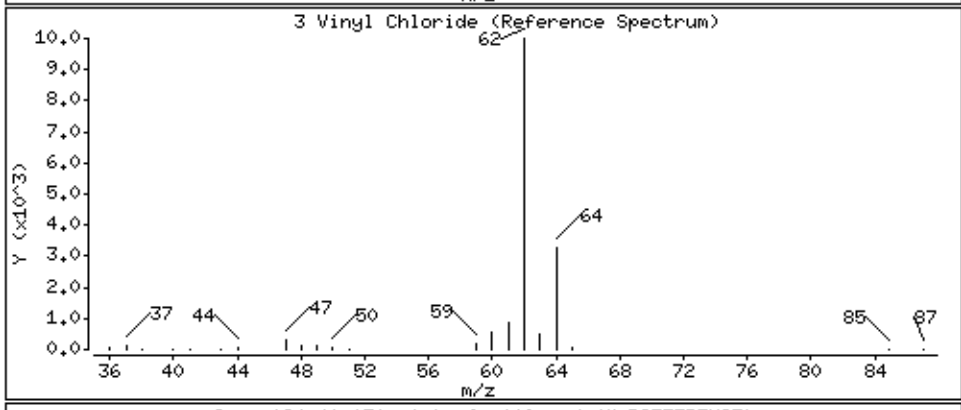
Concentration: 51.2 ppb

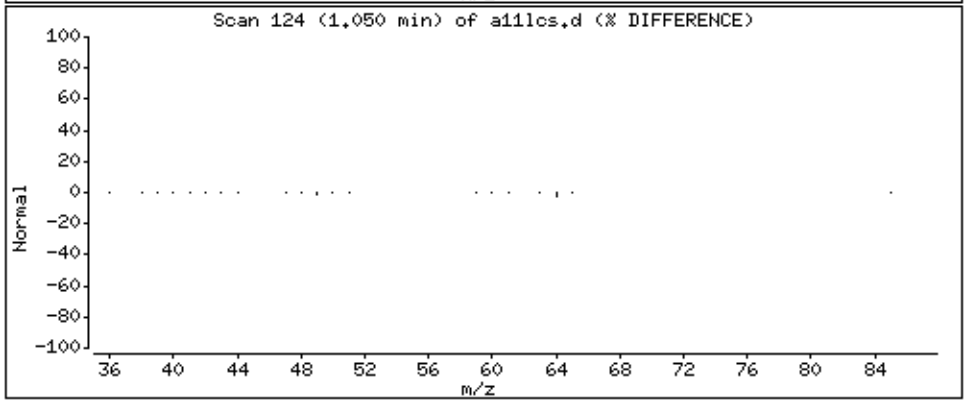












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

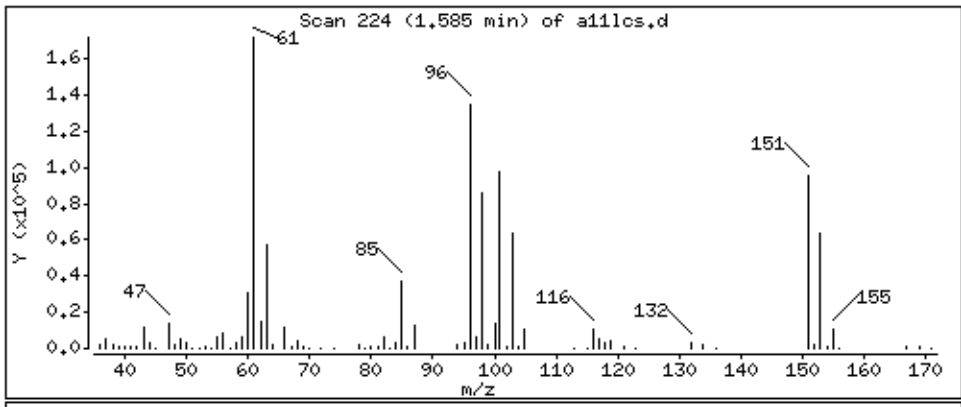
Operator: ala

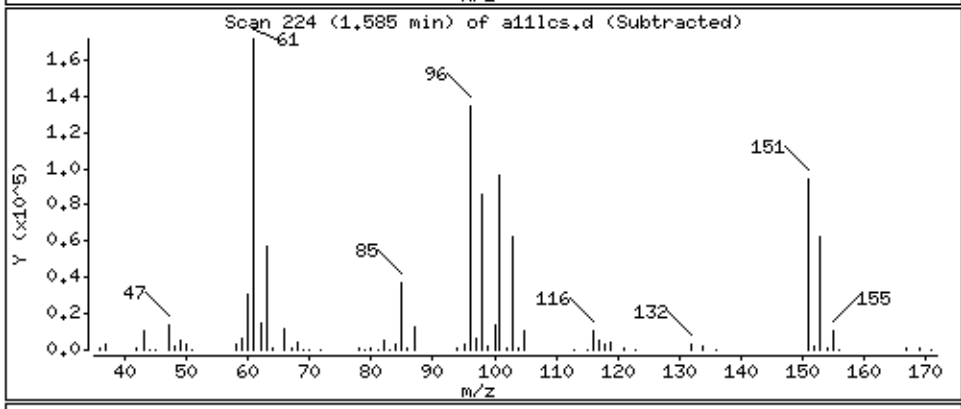
Column phase: DB-624

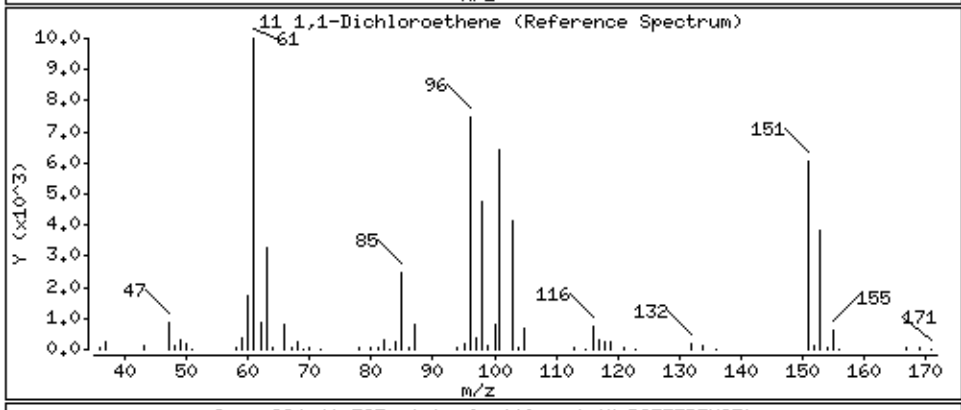
Column diameter: 0.18

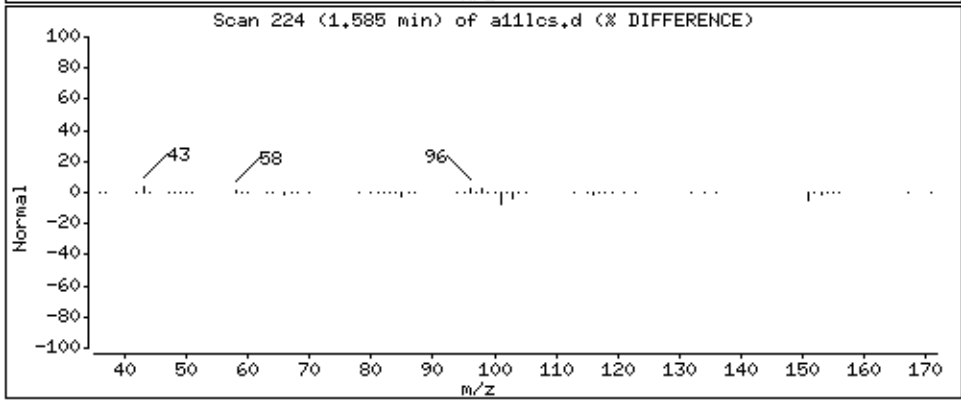
11 1,1-Dichloroethene

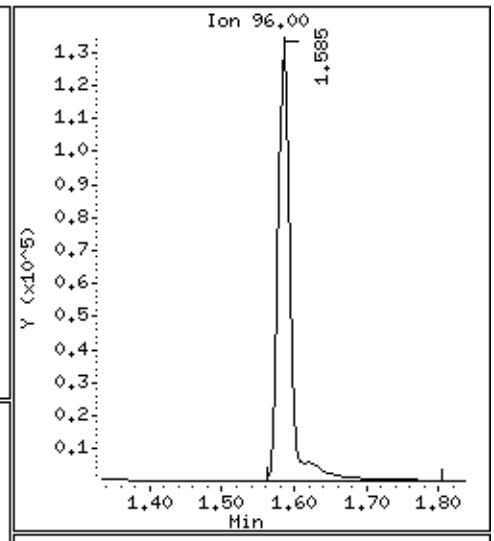
Concentration: 44.6 ppb

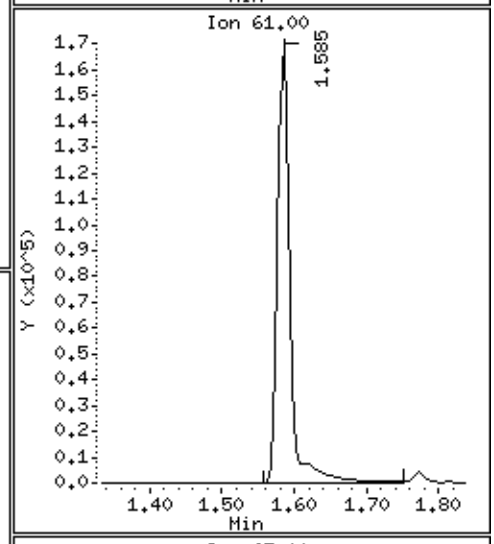


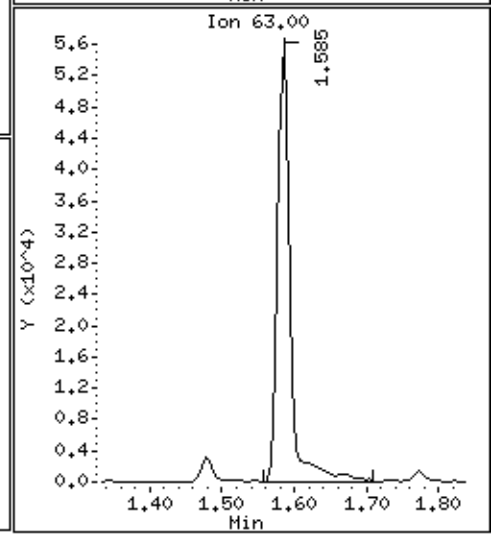












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

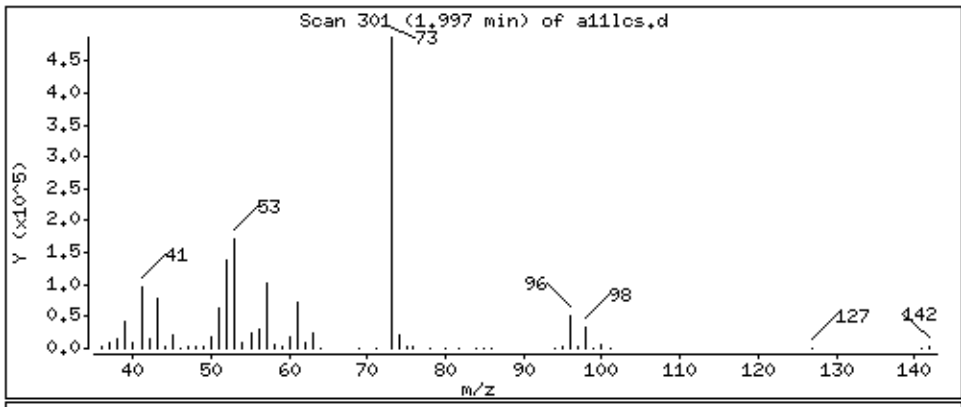
Operator: ala

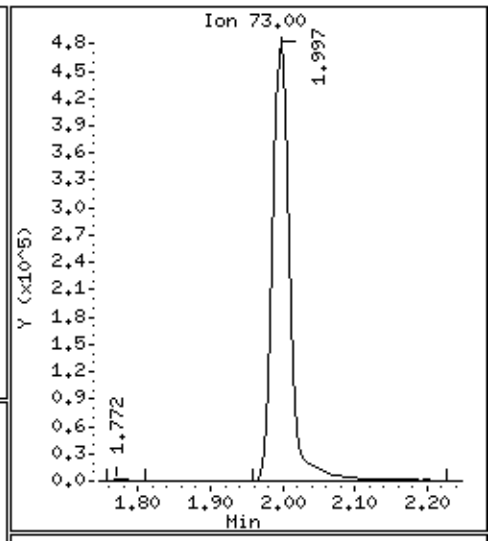
Column phase: DB-624

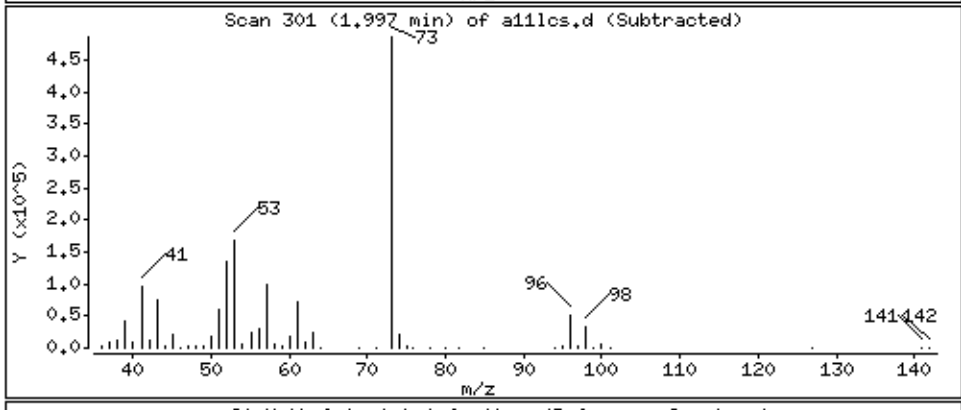
Column diameter: 0.18

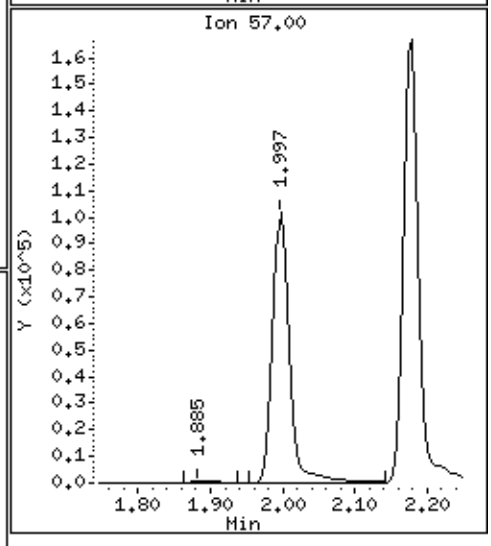
20 Methyl-tert-butyl ether

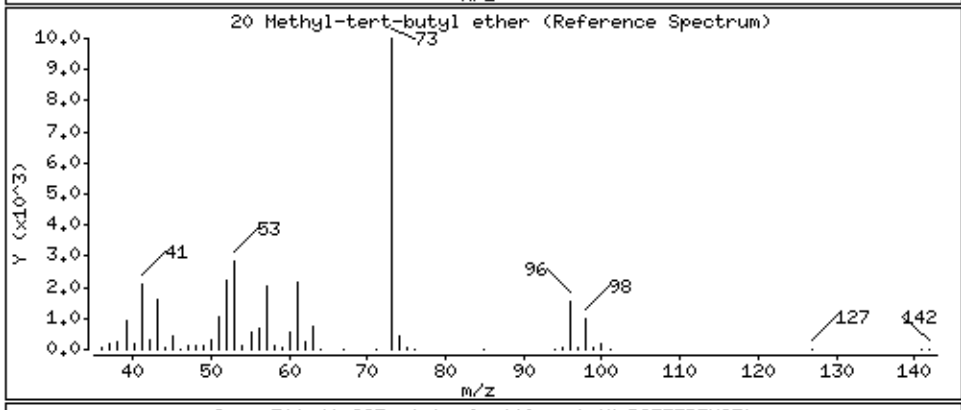
Concentration: 100 ppb

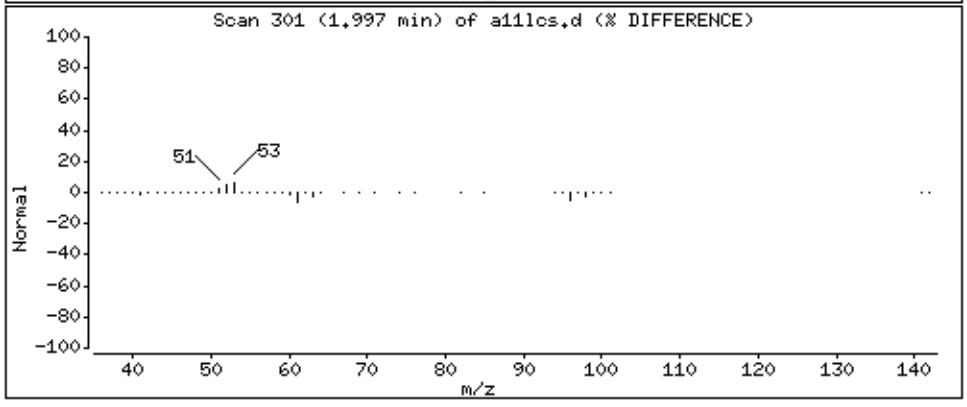












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

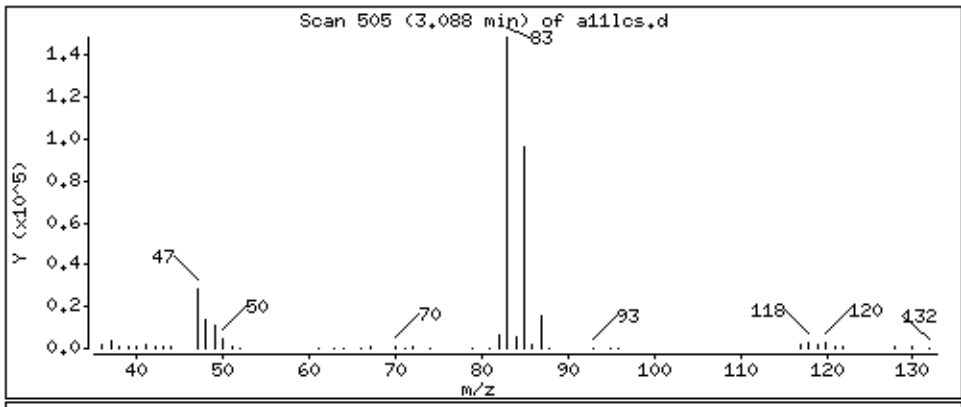
Operator: ala

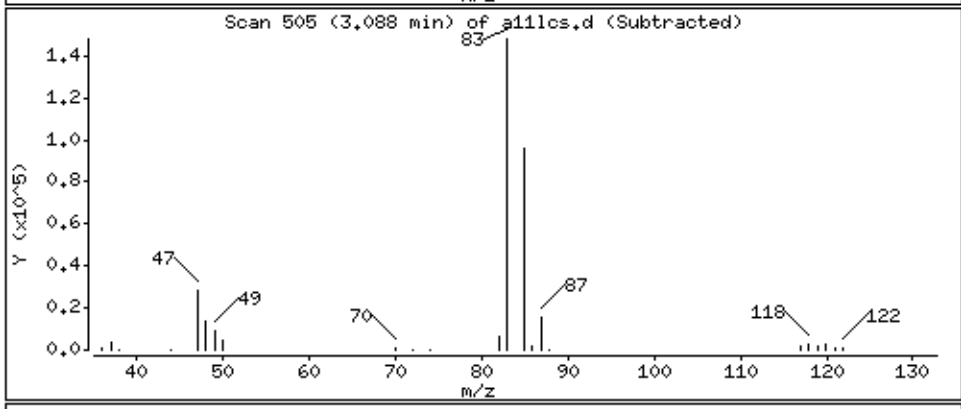
Column phase: DB-624

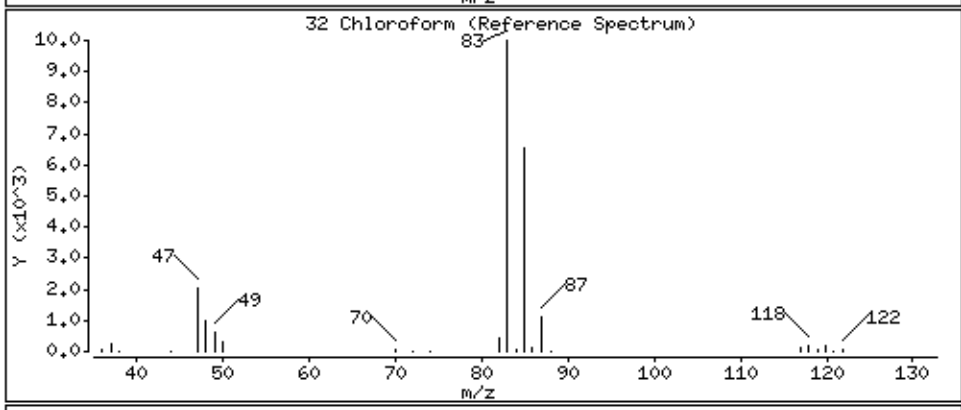
Column diameter: 0.18

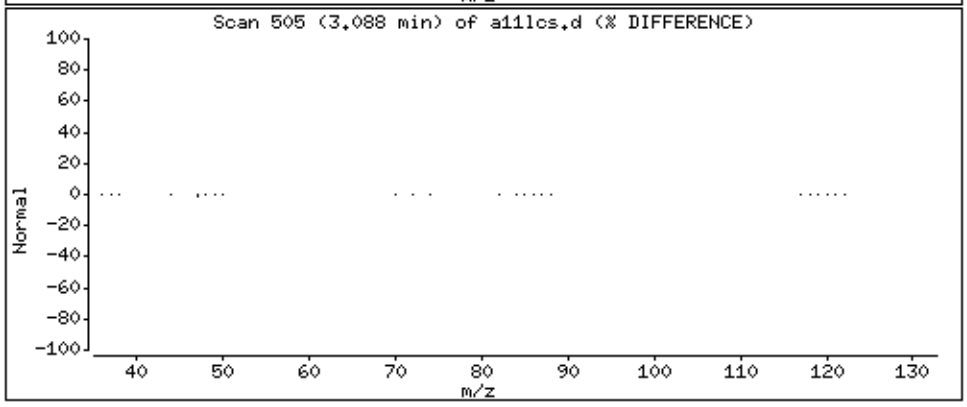
32 Chloroform

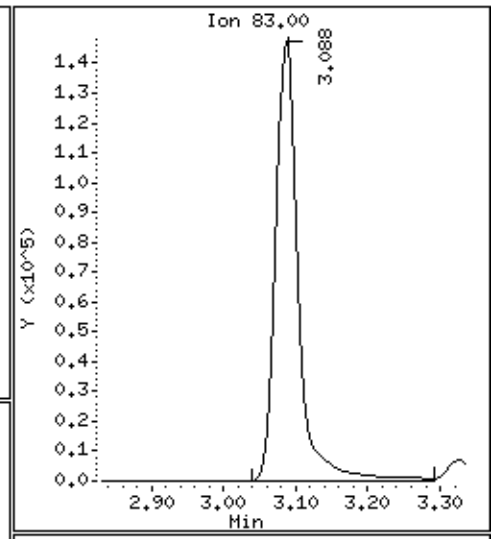
Concentration: 43.2 ppb

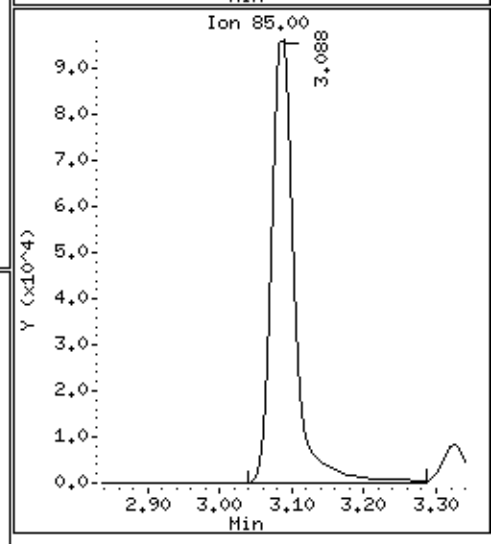












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

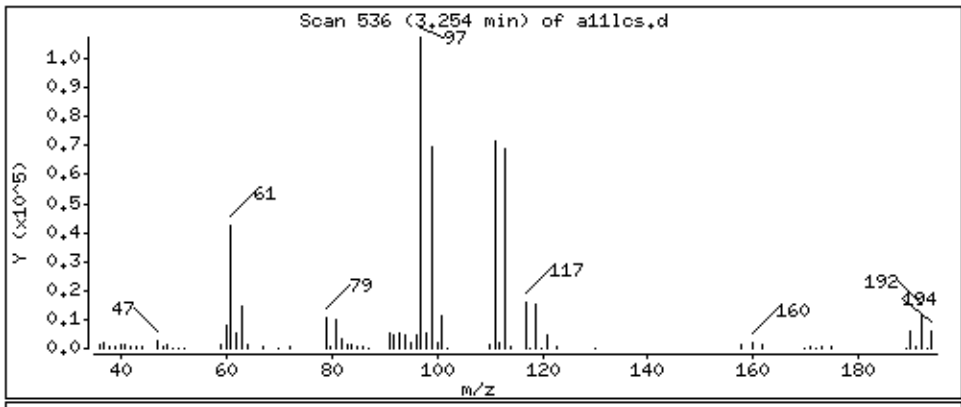
Operator: ala

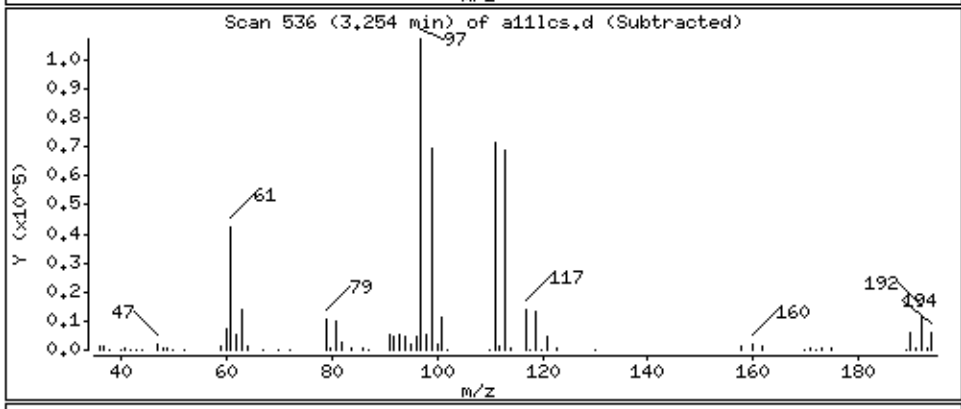
Column phase: DB-624

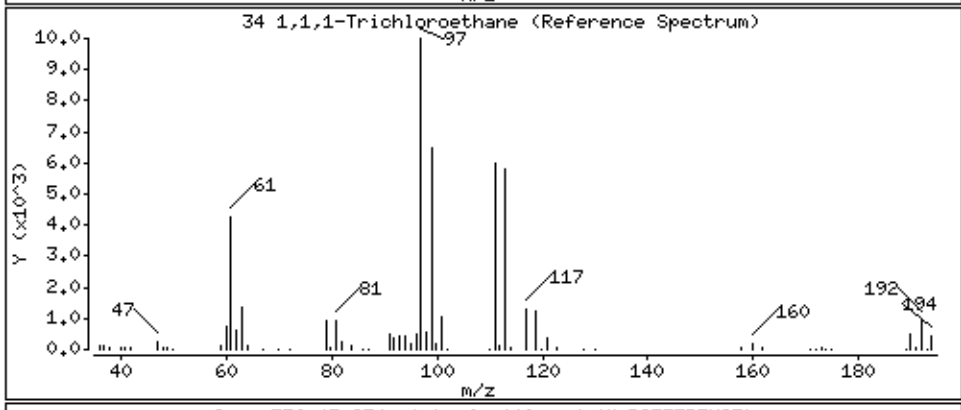
Column diameter: 0.18

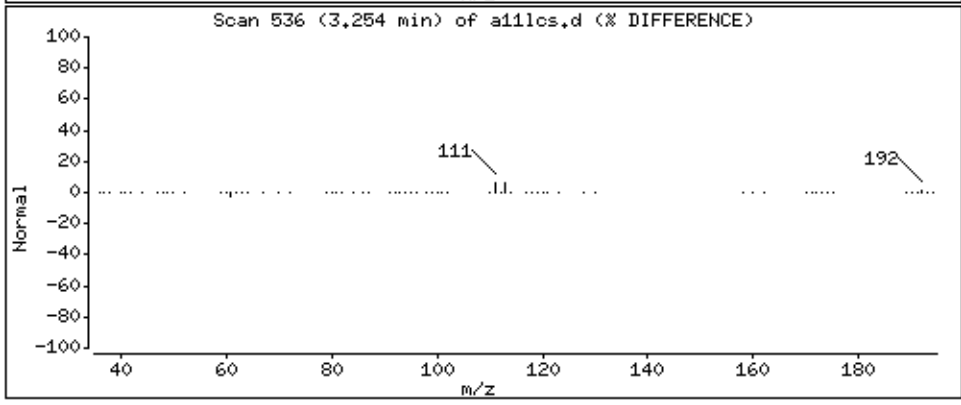
34 1,1,1-Trichloroethane

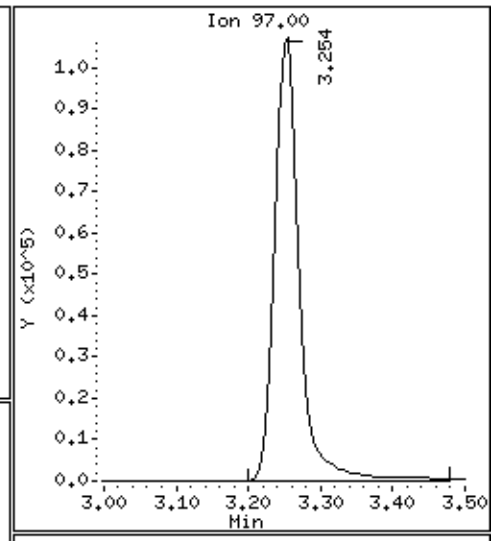
Concentration: 48.6 ppb

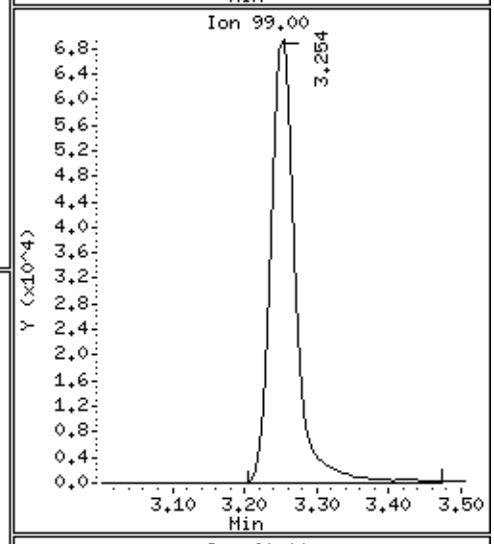


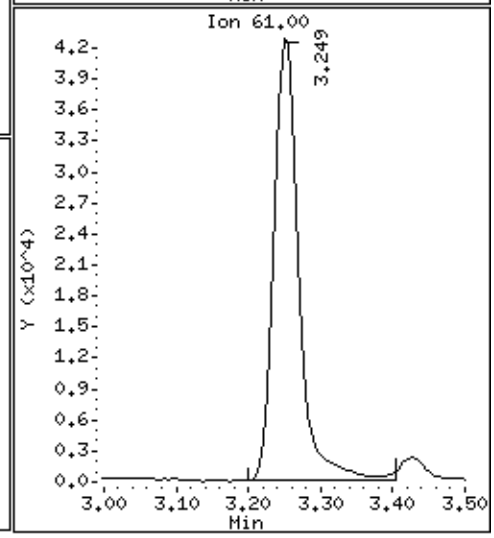












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

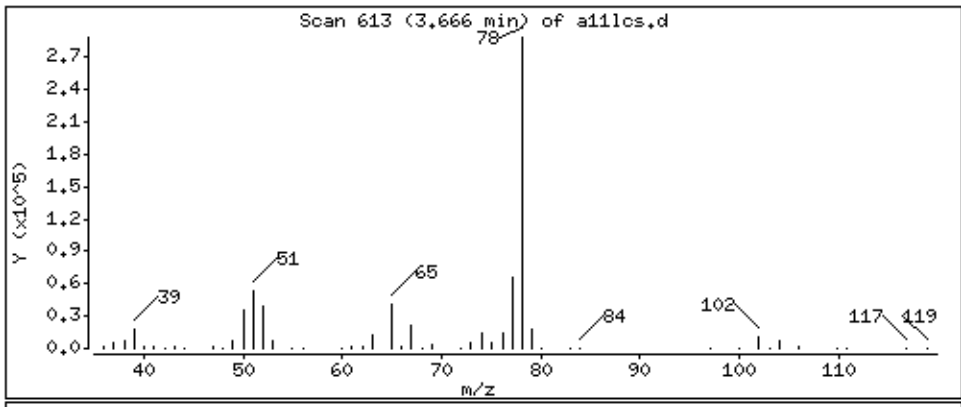
Operator: ala

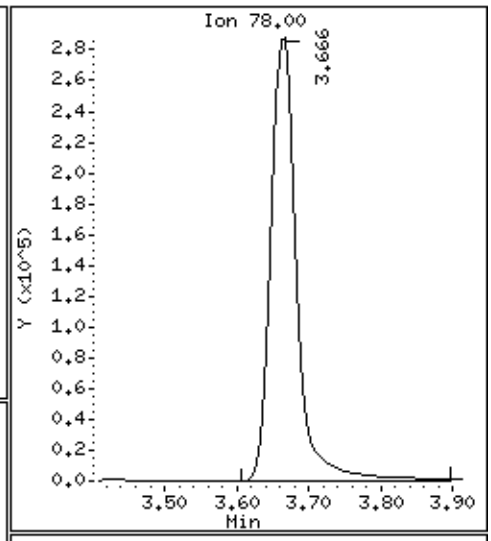
Column phase: DB-624

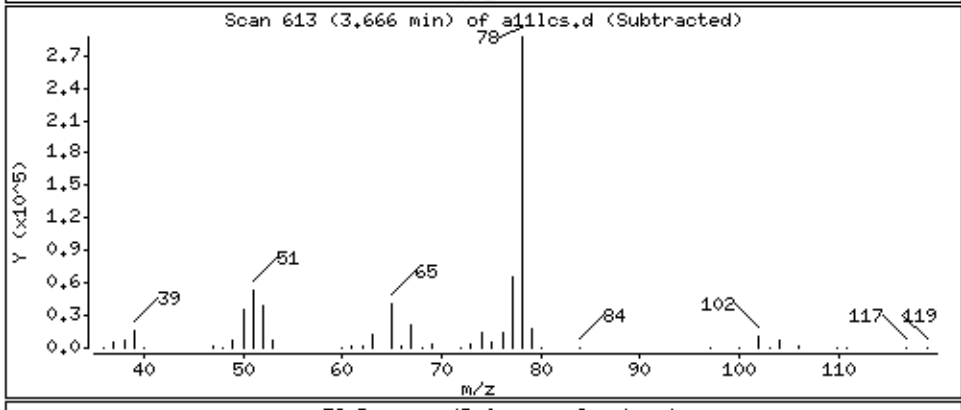
Column diameter: 0.18

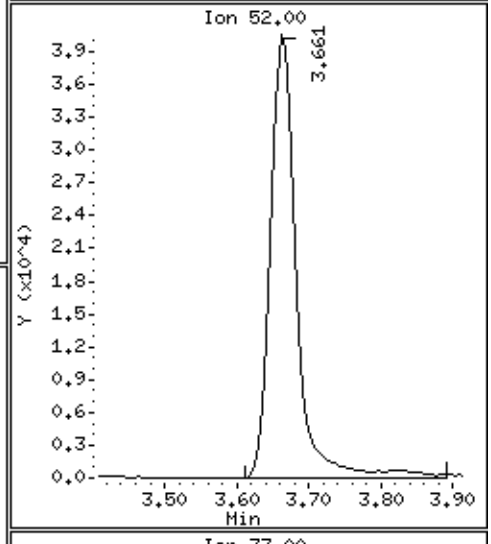
39 Benzene

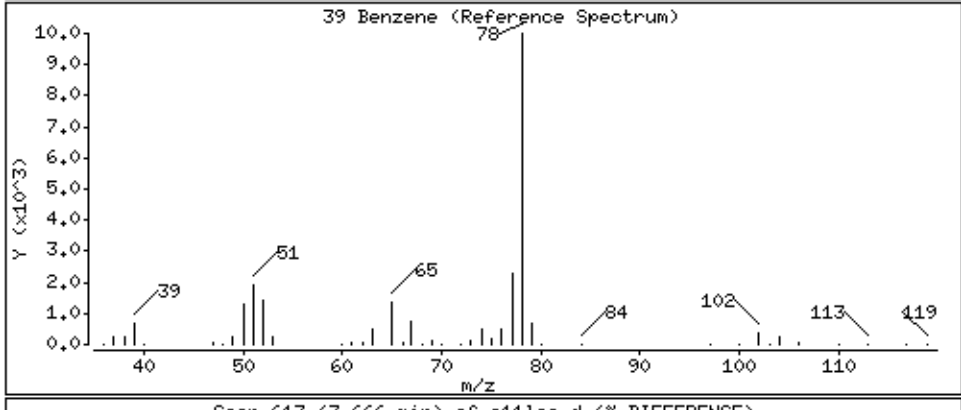
Concentration: 48.9 ppb

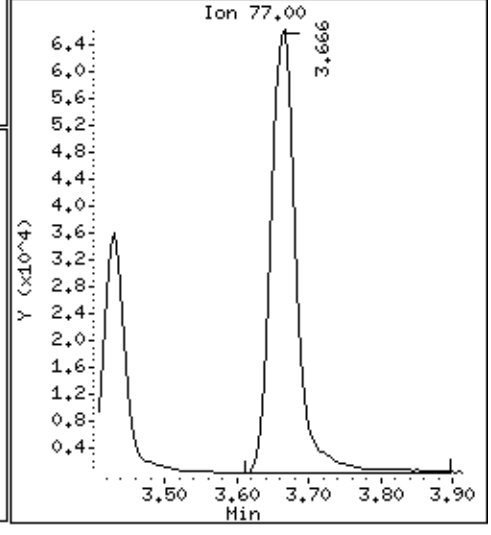


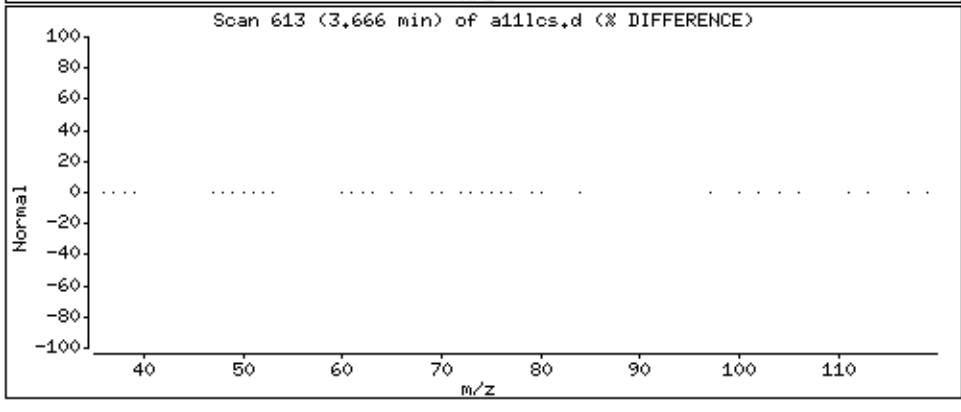












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

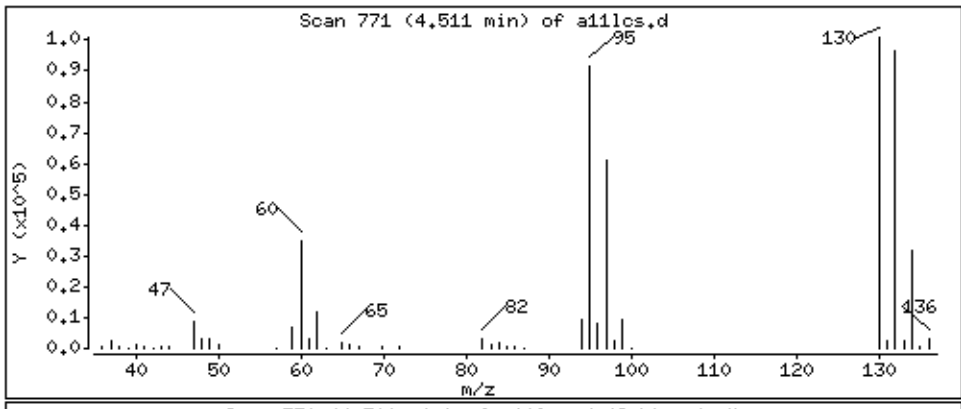
Operator: ala

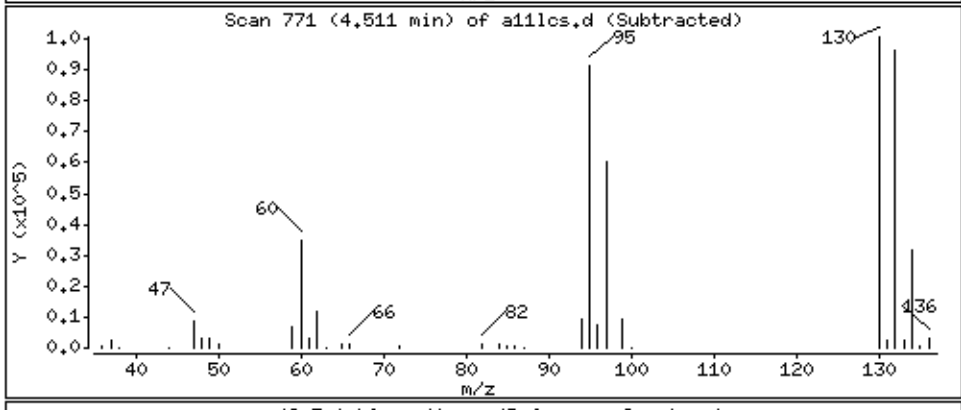
Column phase: DB-624

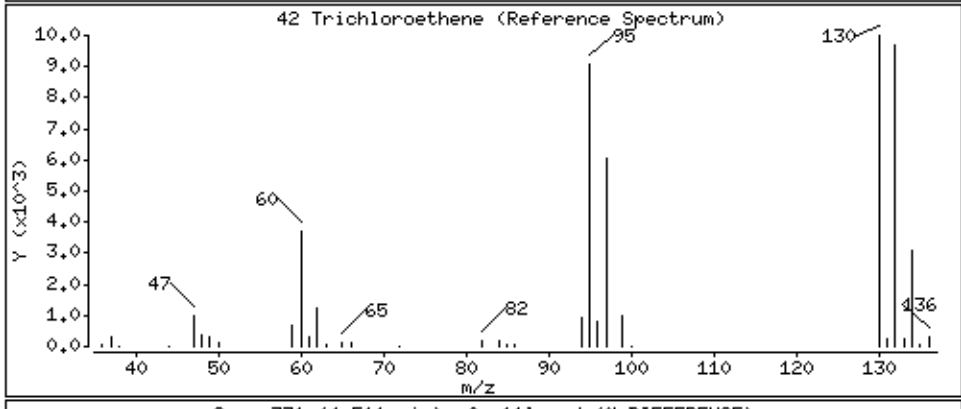
Column diameter: 0.18

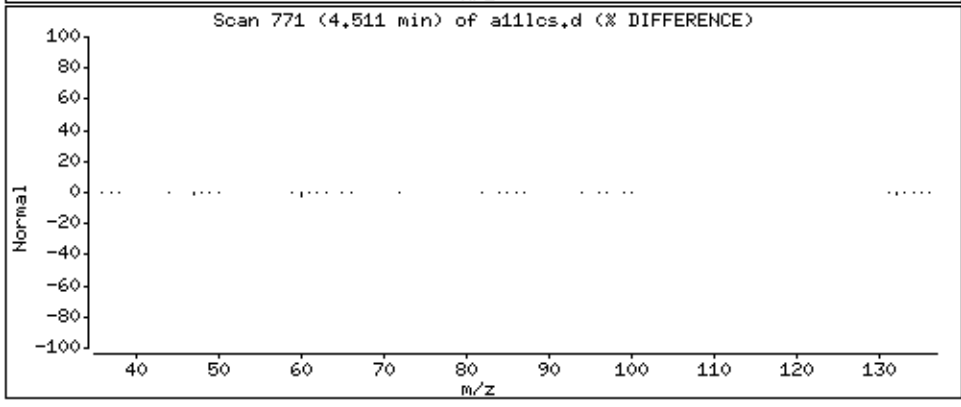
42 Trichloroethene

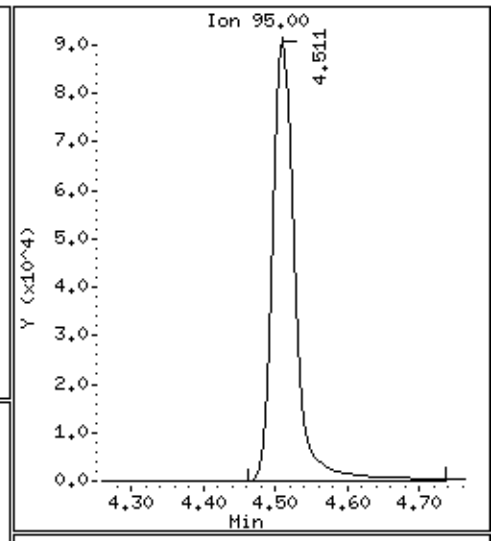
Concentration: 48.4 ppb

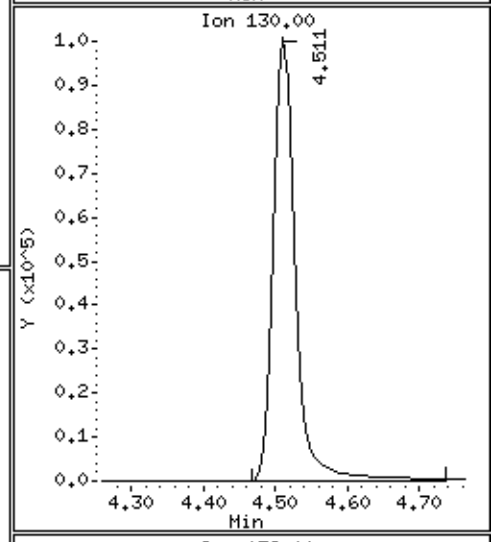


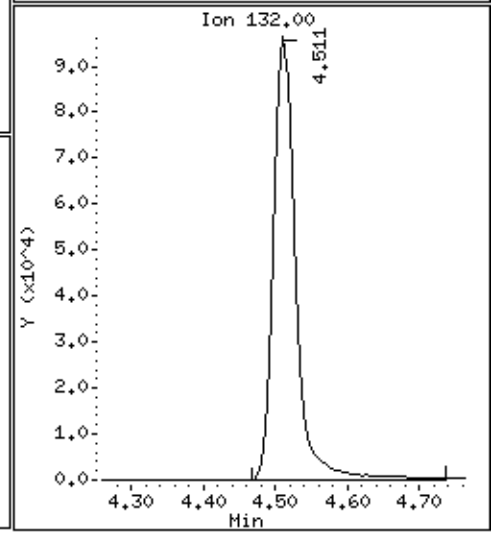












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

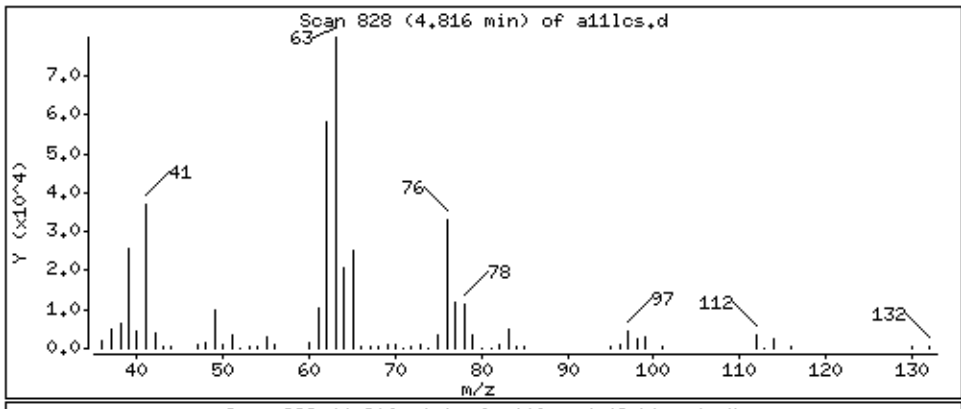
Operator: ala

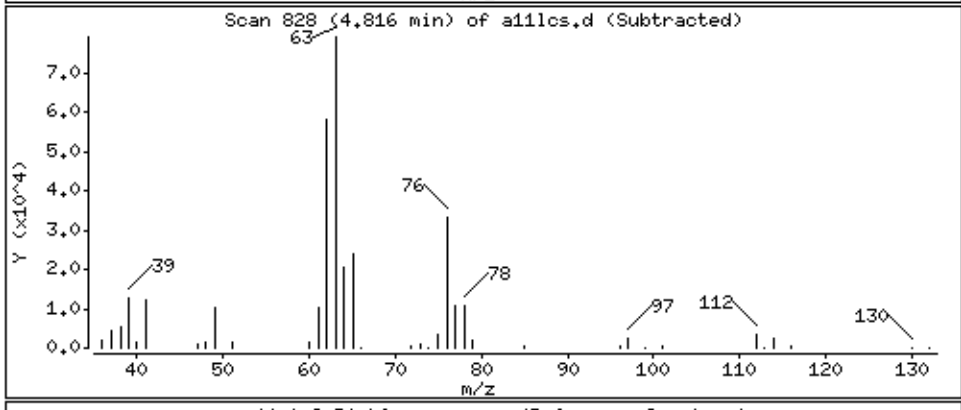
Column phase: DB-624

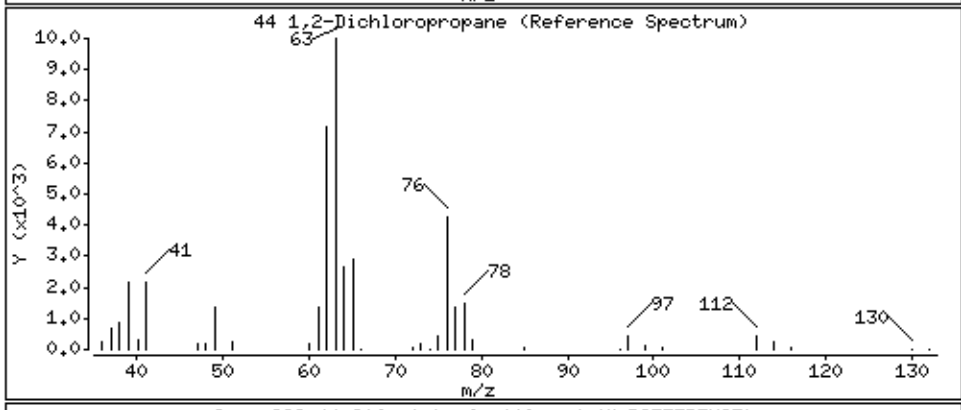
Column diameter: 0.18

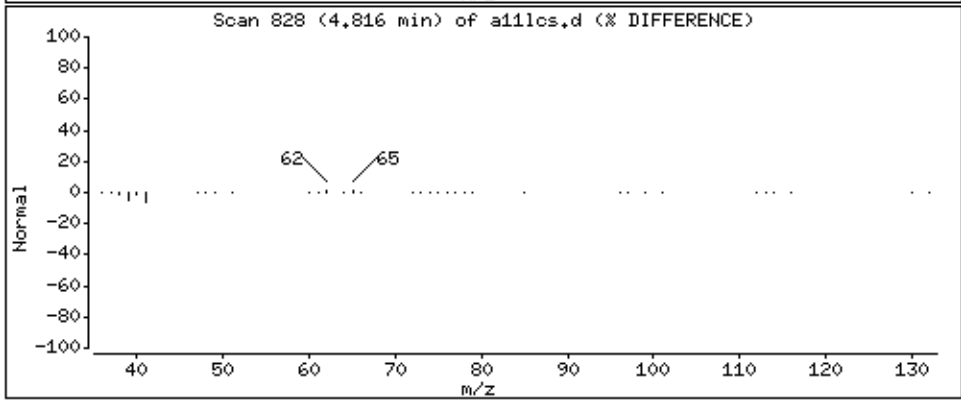
44 1,2-Dichloropropane

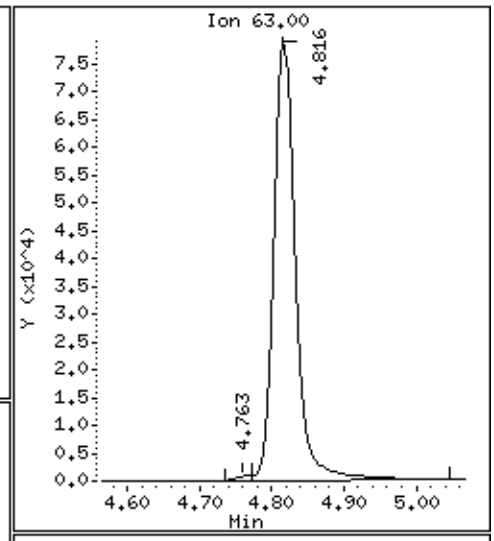
Concentration: 46.1 ppb

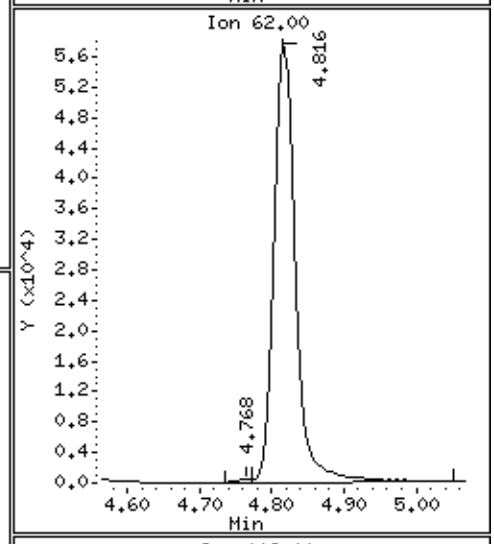


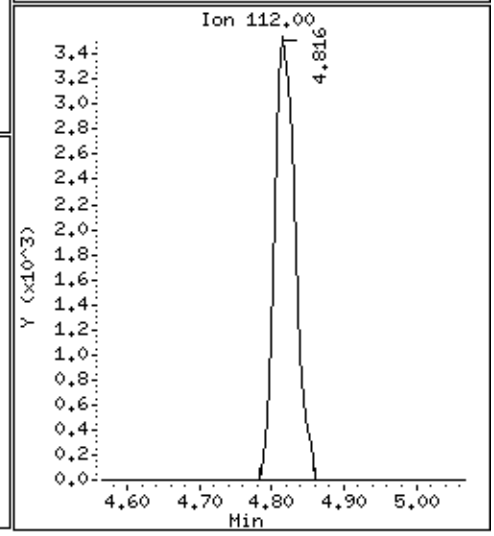












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

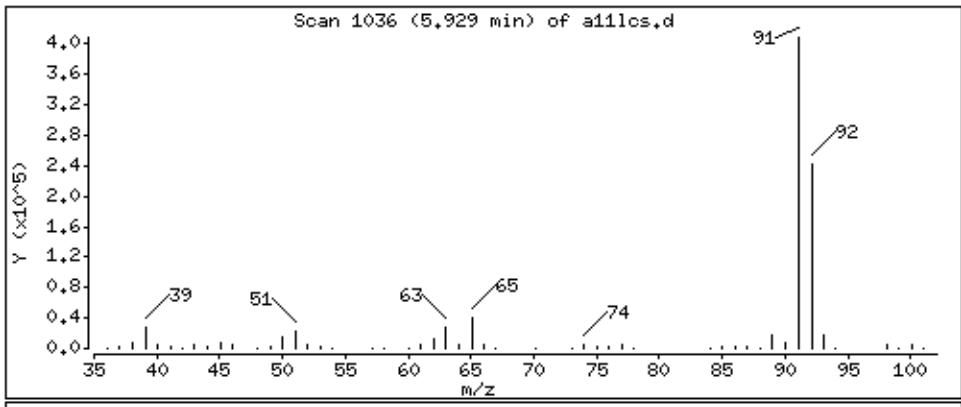
Operator: ala

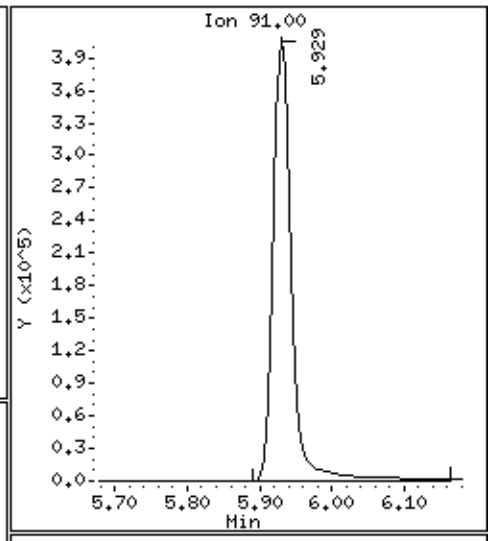
Column phase: DB-624

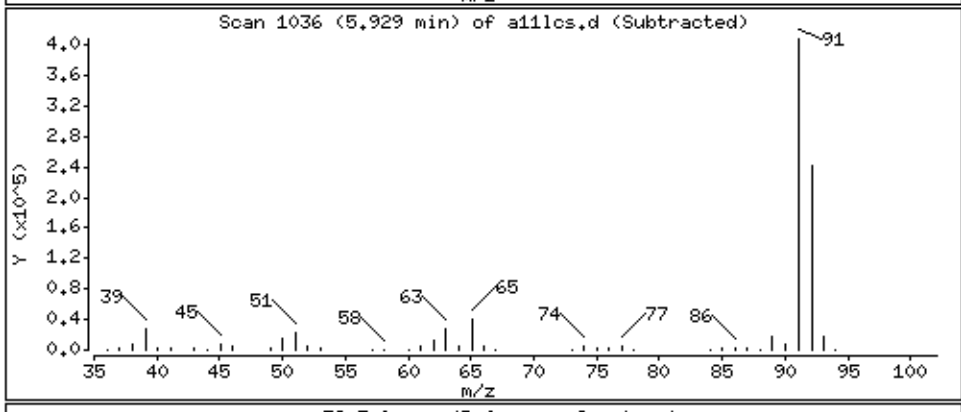
Column diameter: 0.18

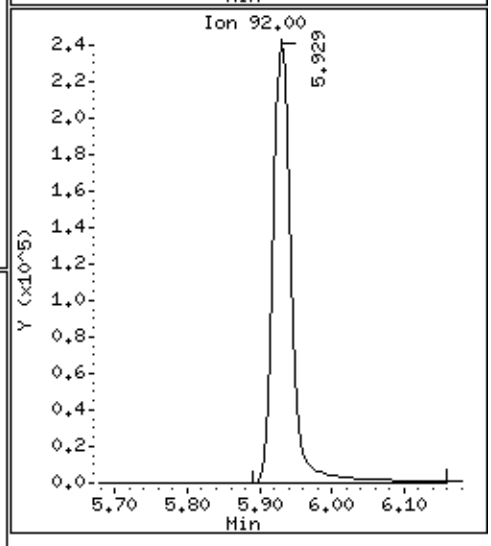
52 Toluene

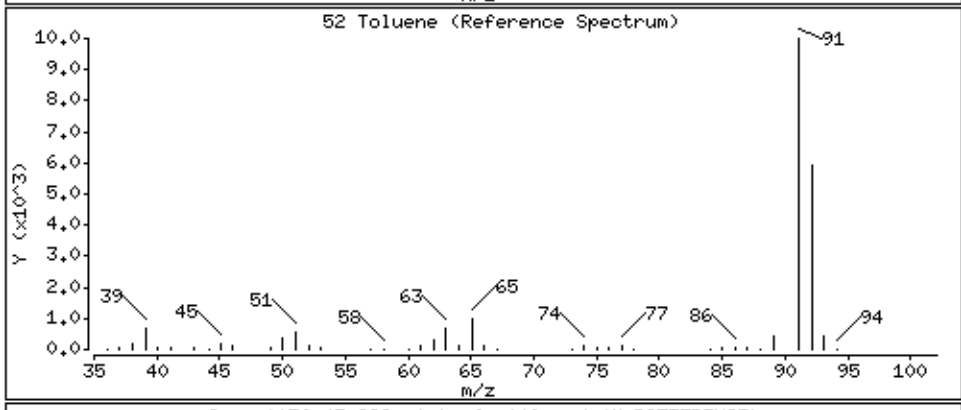
Concentration: 46.6 ppb

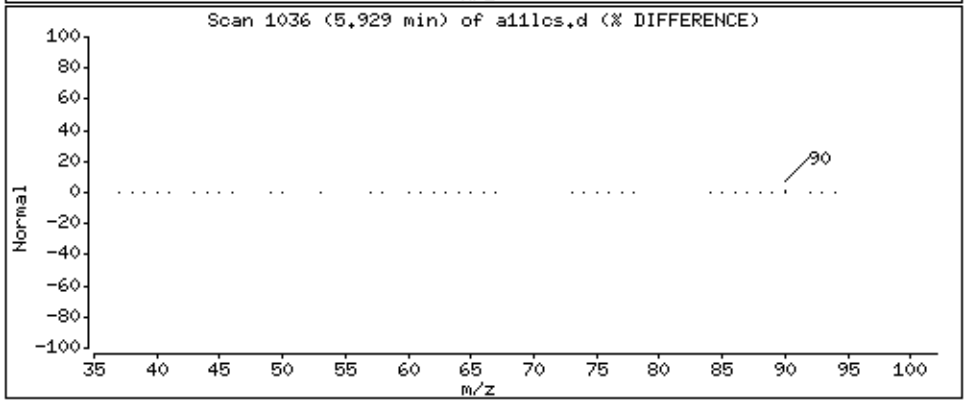












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

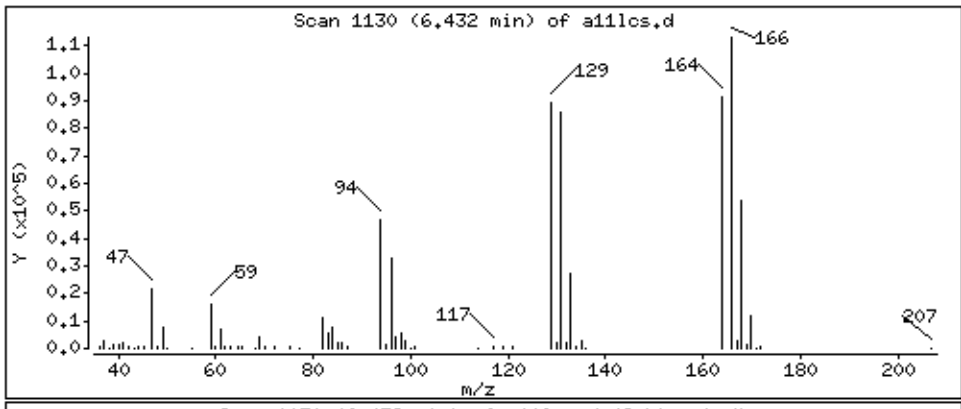
Operator: ala

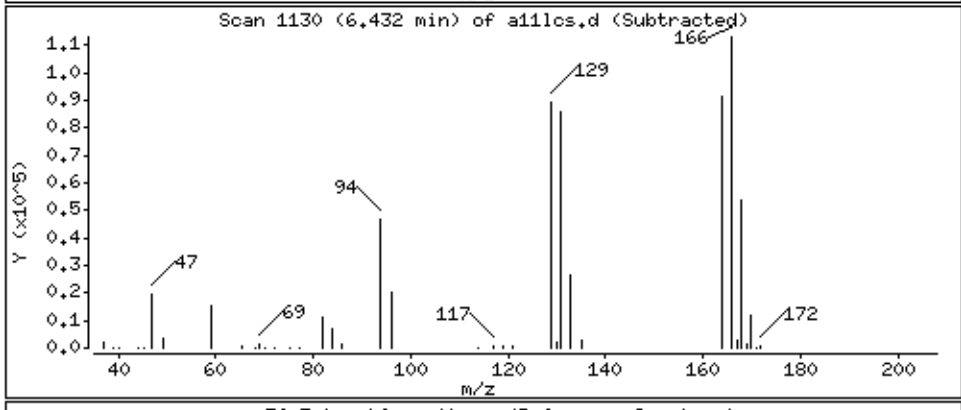
Column phase: DB-624

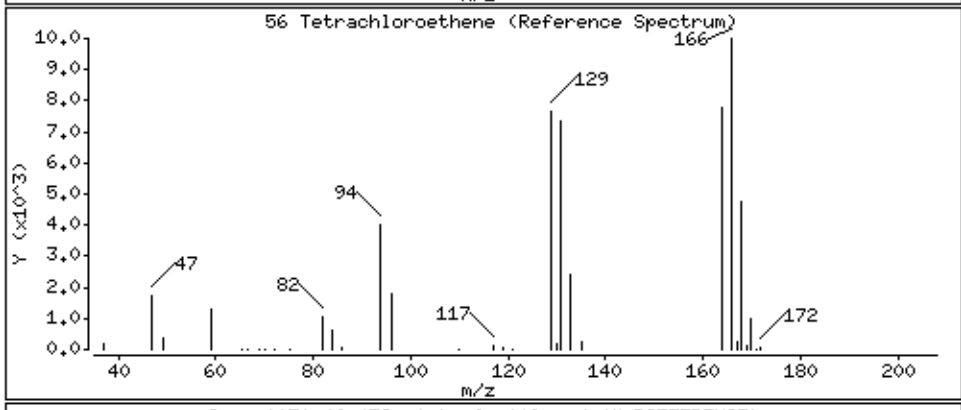
Column diameter: 0.18

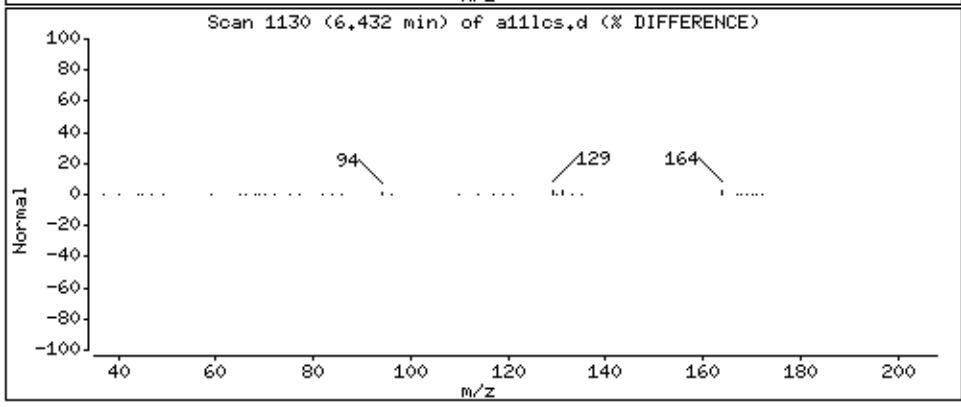
56 Tetrachloroethene

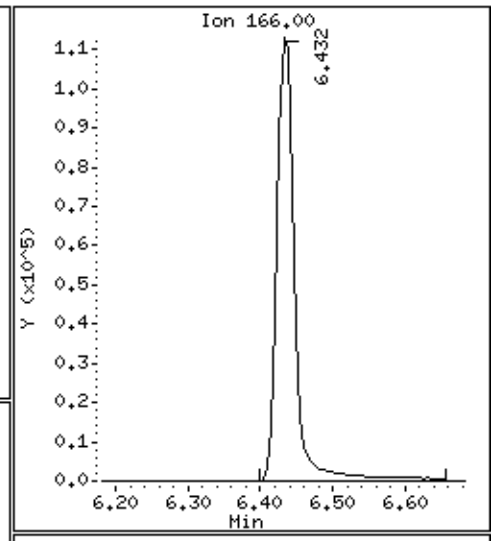
Concentration: 44.8 ppb

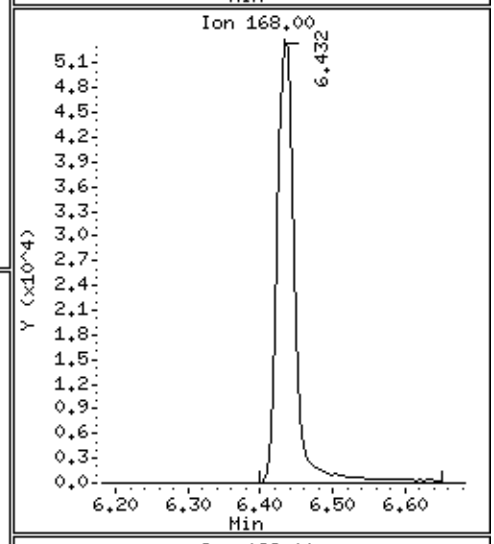


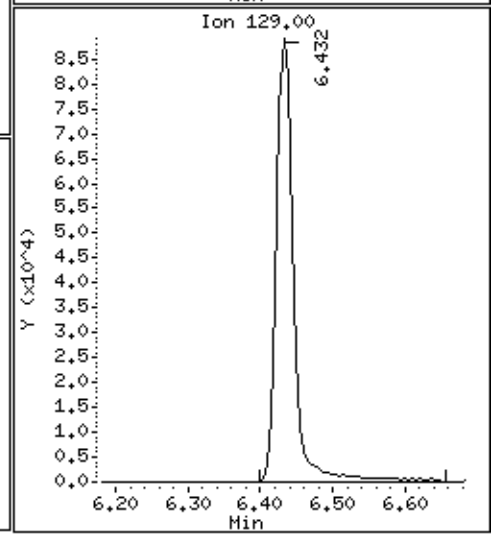












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

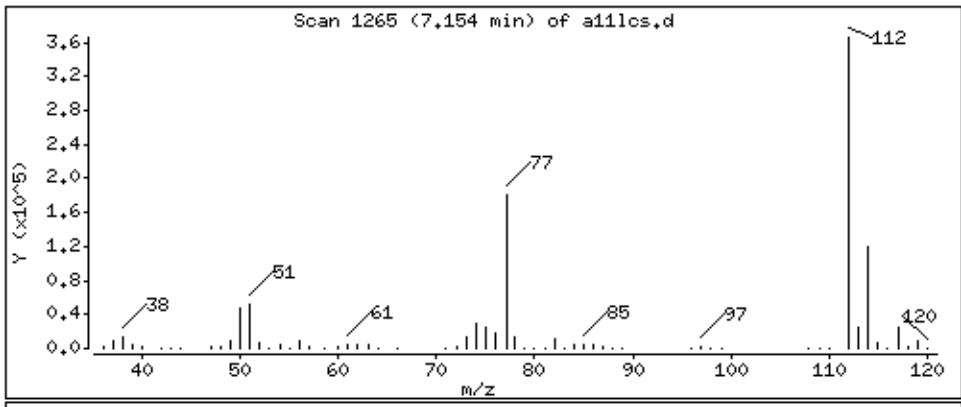
Operator: ala

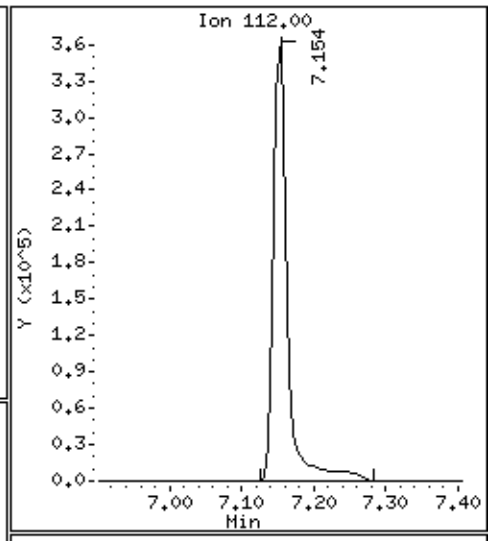
Column phase: DB-624

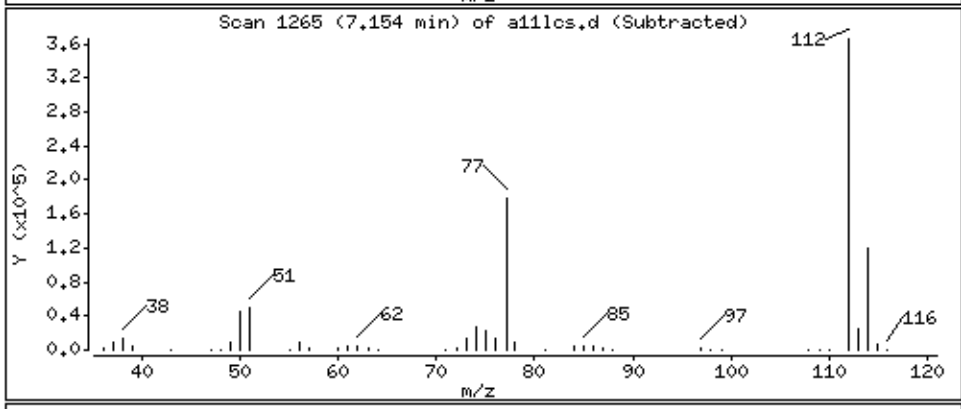
Column diameter: 0.18

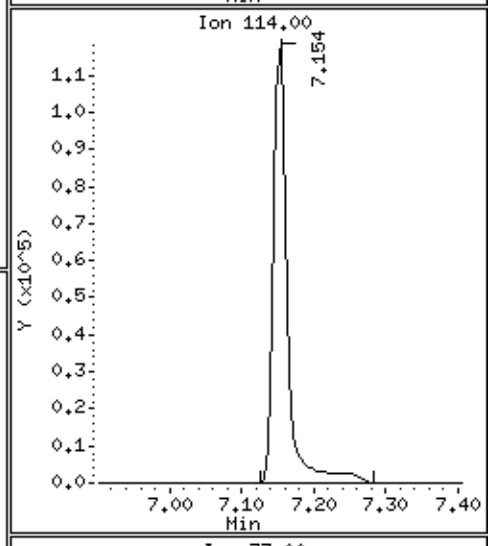
62 Chlorobenzene

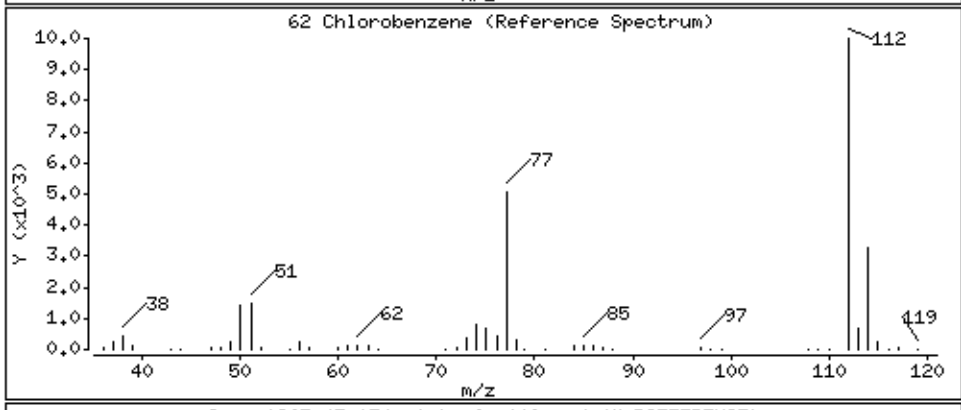
Concentration: 44.7 ppb

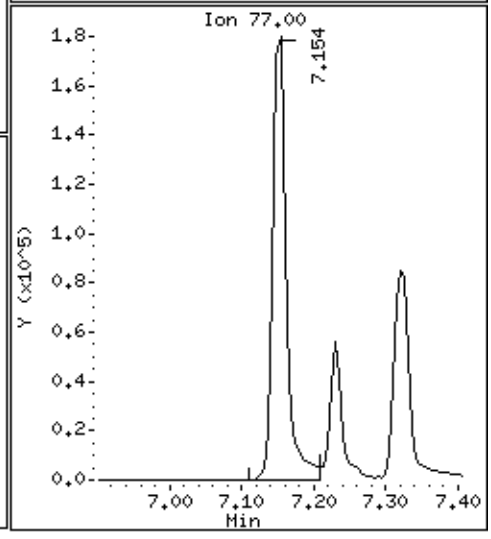


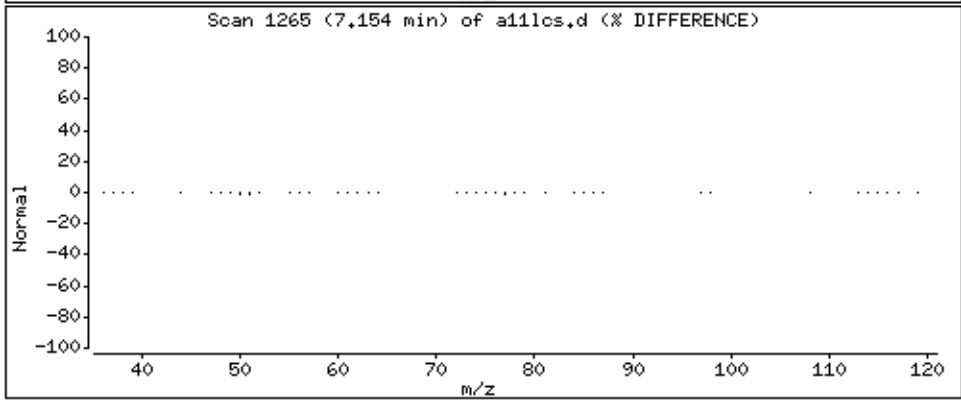












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Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

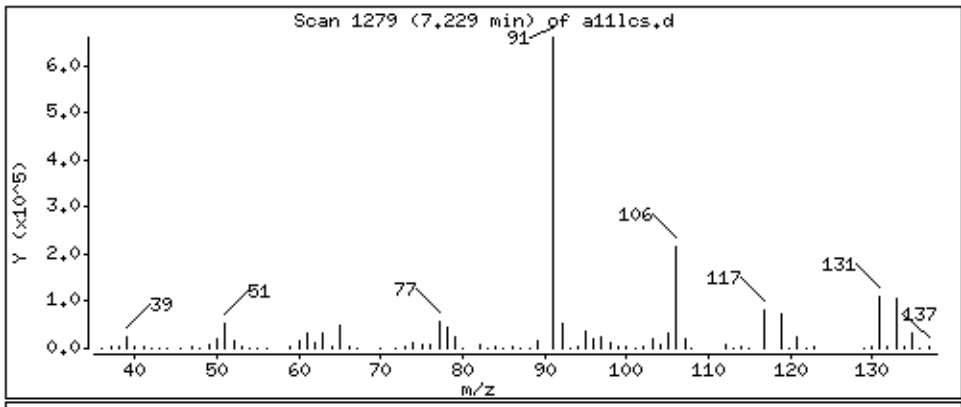
Operator: ala

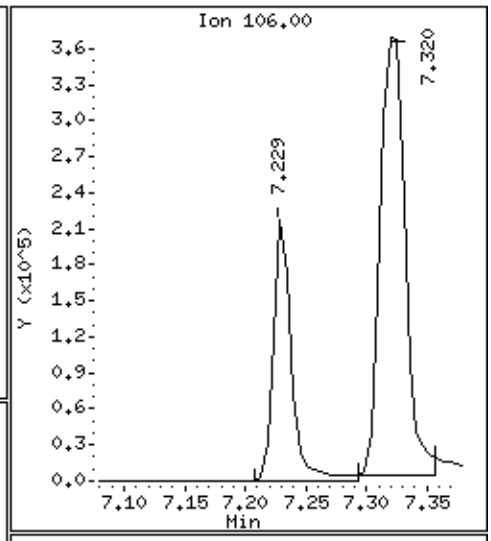
Column phase: DB-624

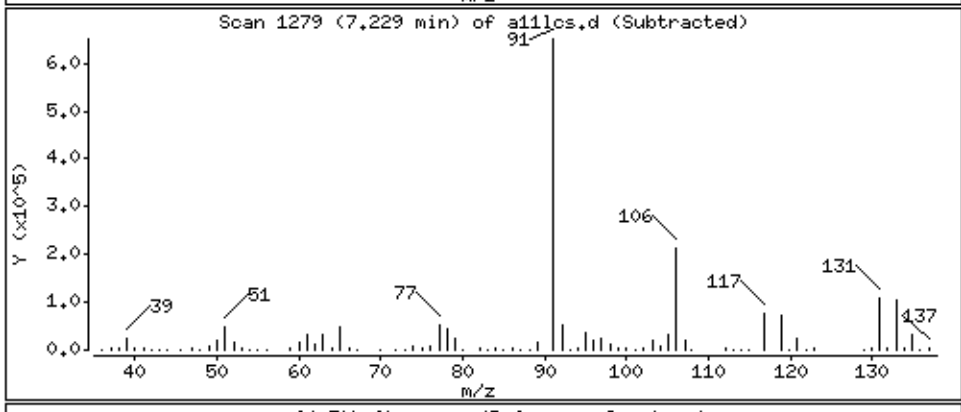
Column diameter: 0.18

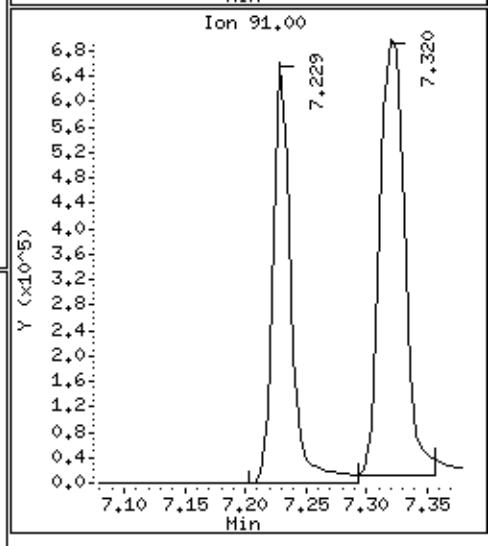
64 Ethylbenzene

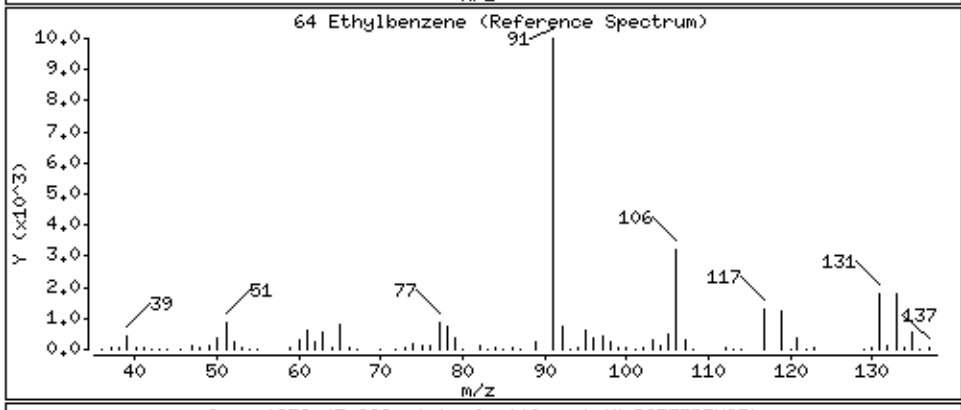
Concentration: 43.9 ppb

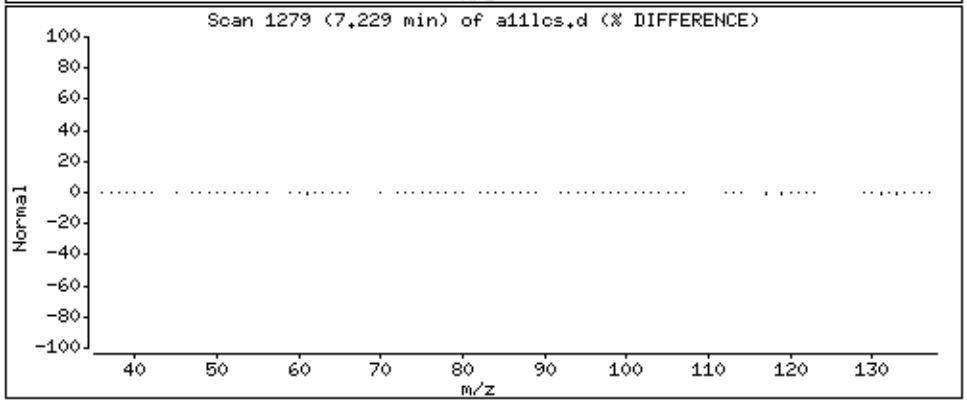












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

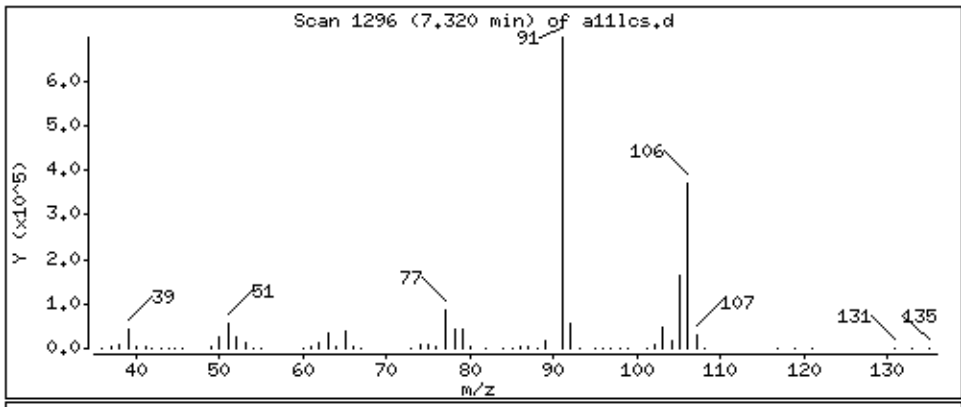
Operator: ala

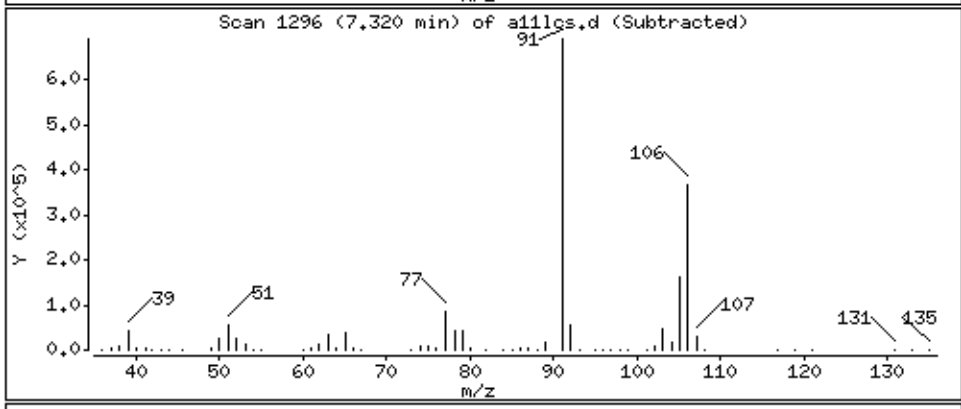
Column phase: DB-624

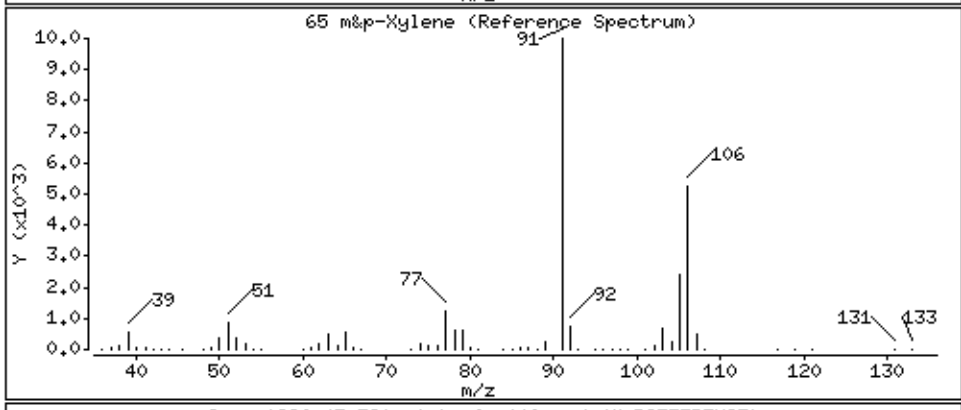
Column diameter: 0.18

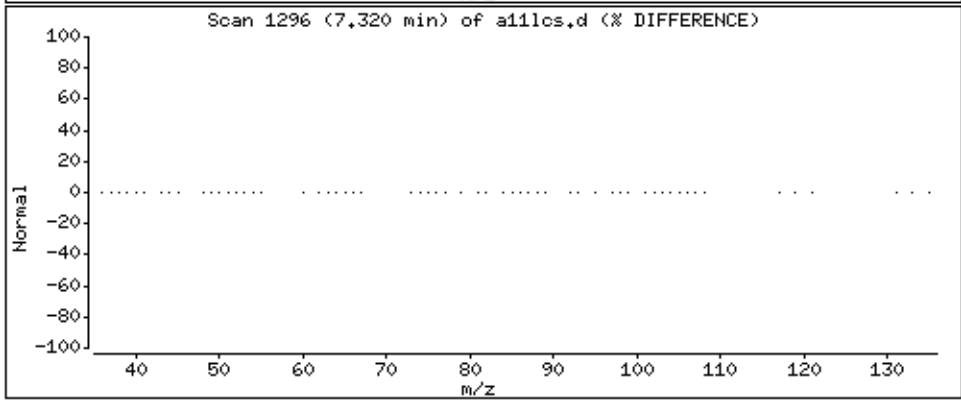
65 m&p-Xylene

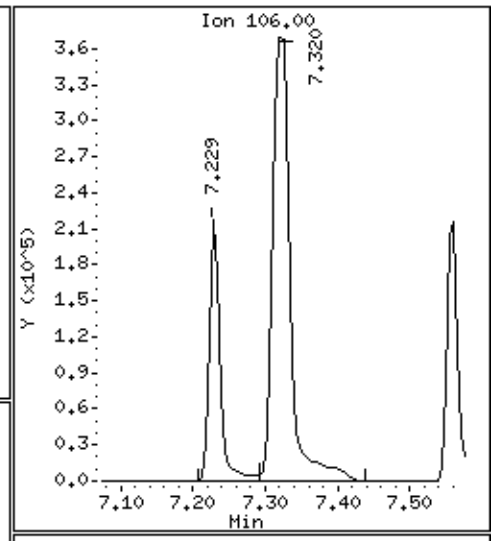
Concentration: 89.6 ppb

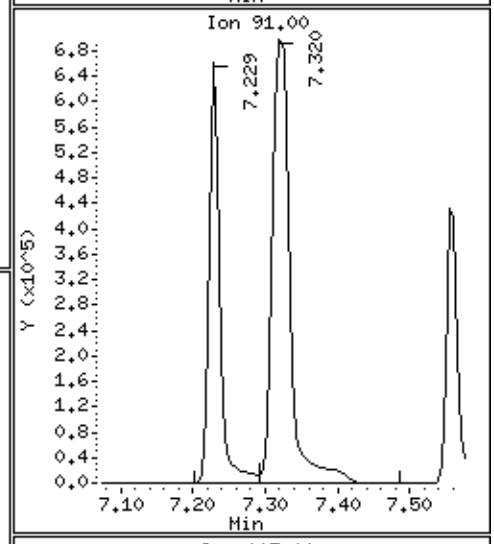


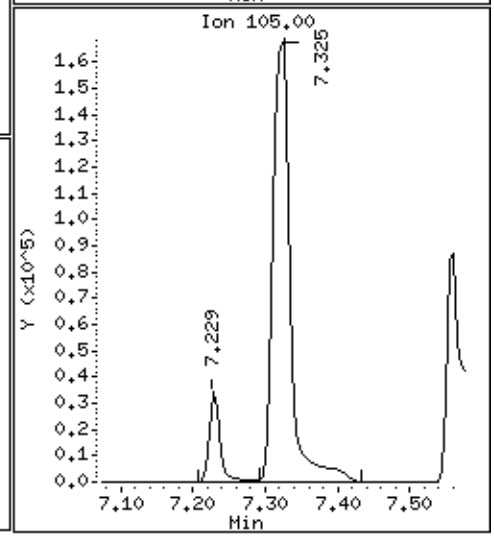












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

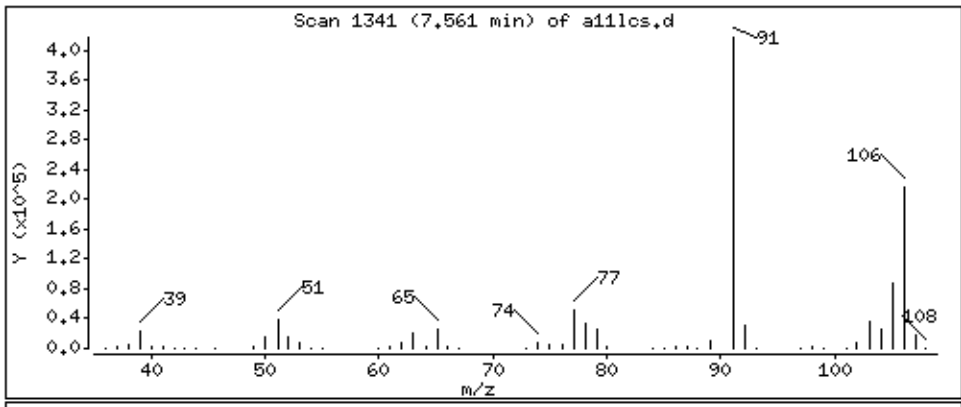
Operator: ala

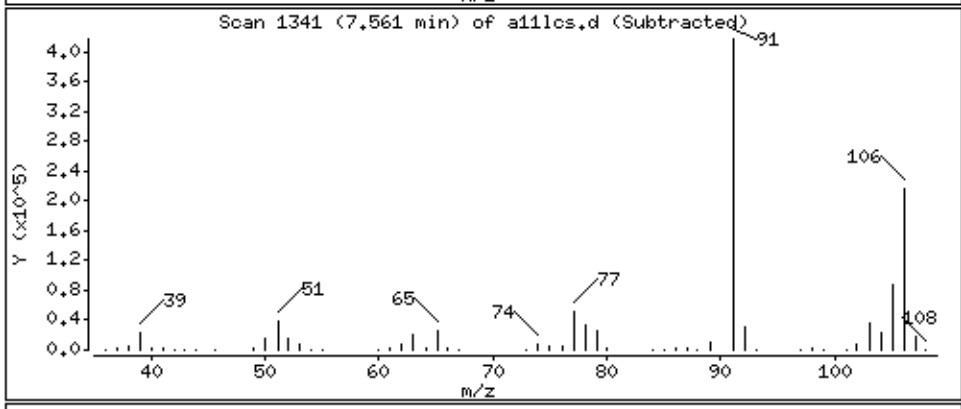
Column phase: DB-624

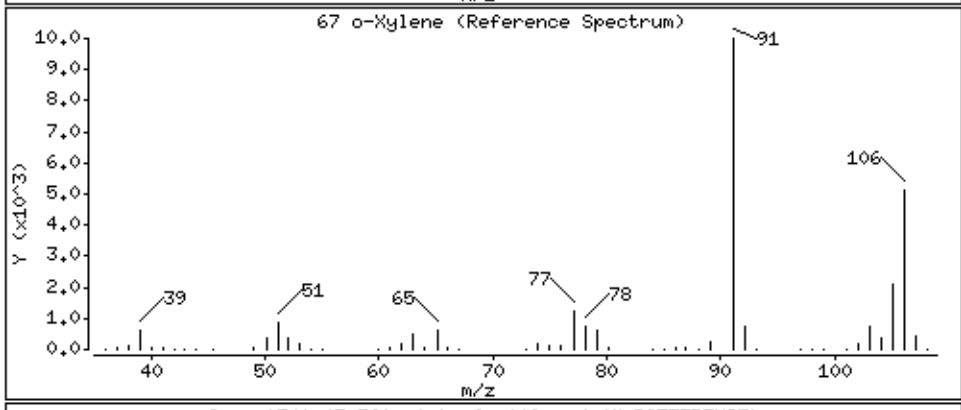
Column diameter: 0.18

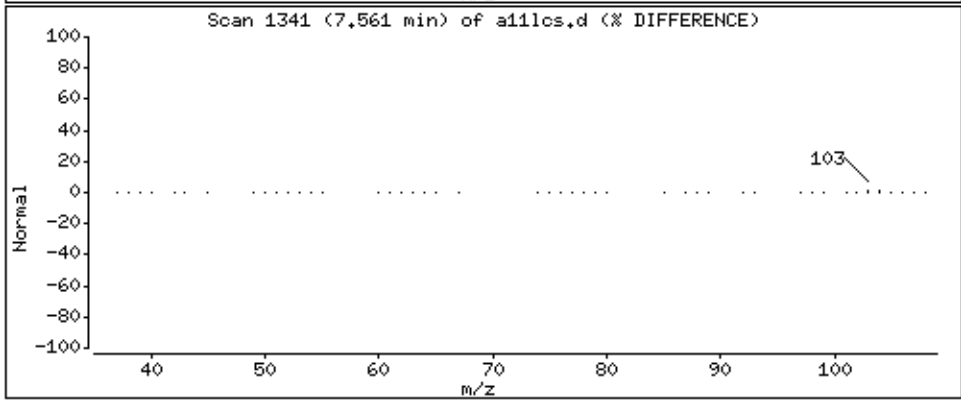
67 o-Xylene

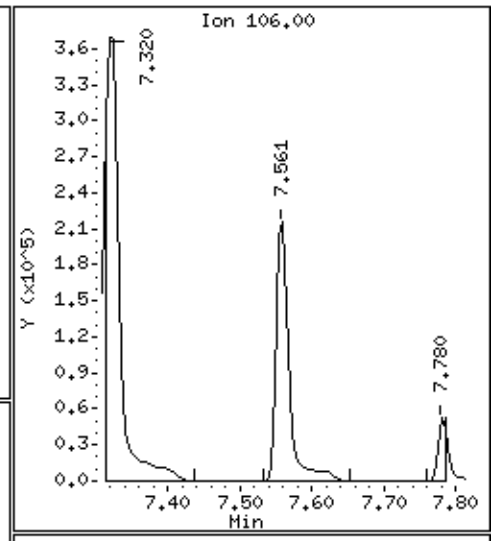
Concentration: 46.7 ppb

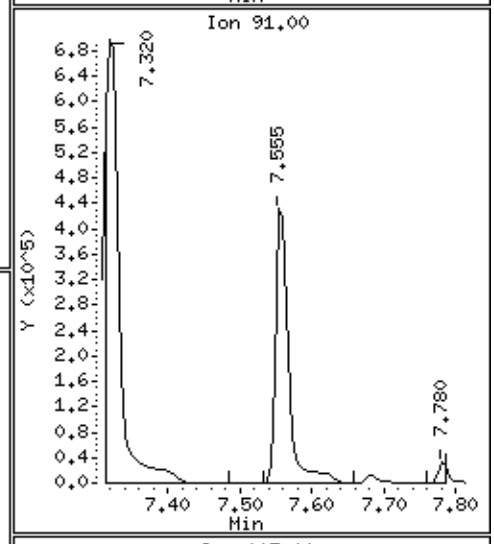


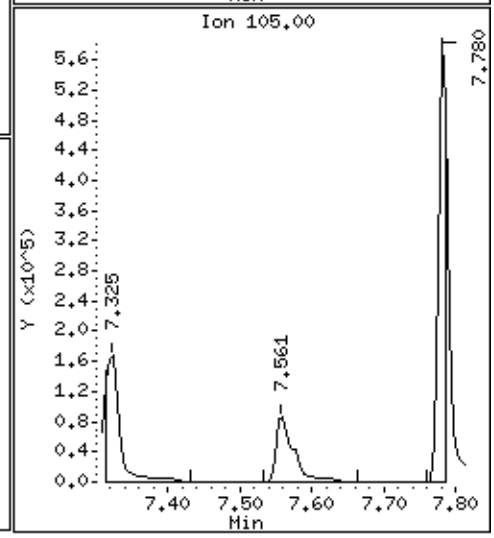












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

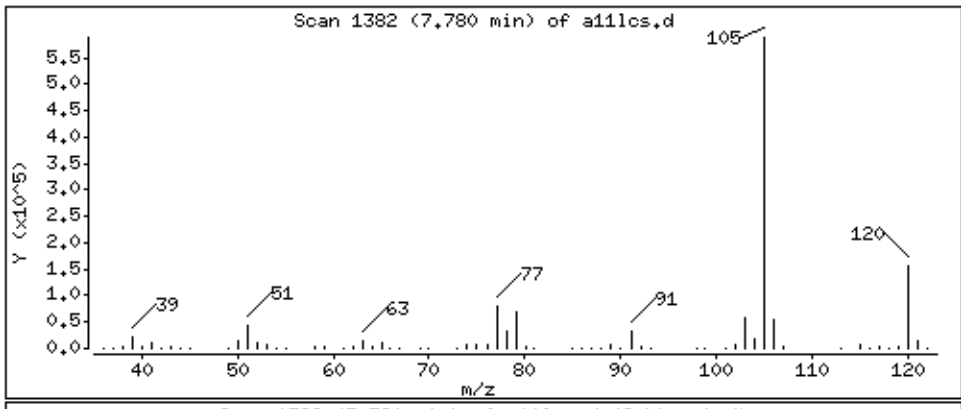
Operator: ala

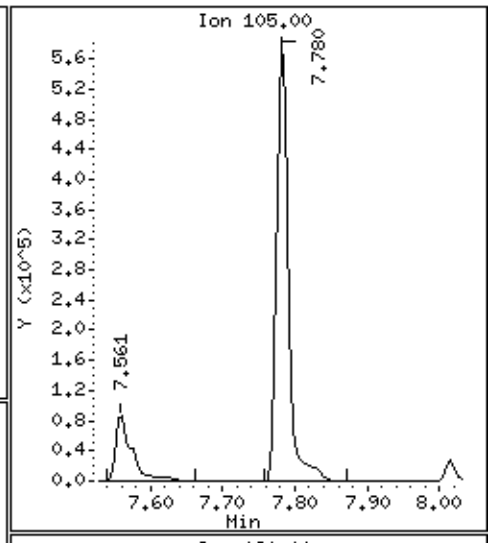
Column phase: DB-624

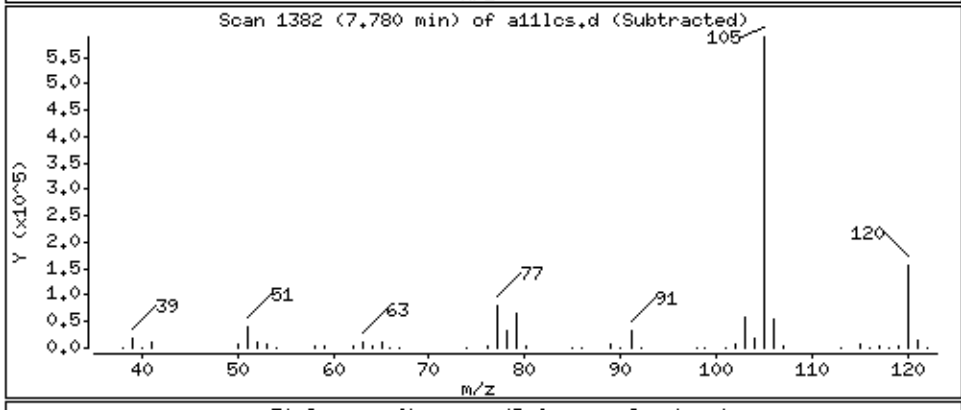
Column diameter: 0.18

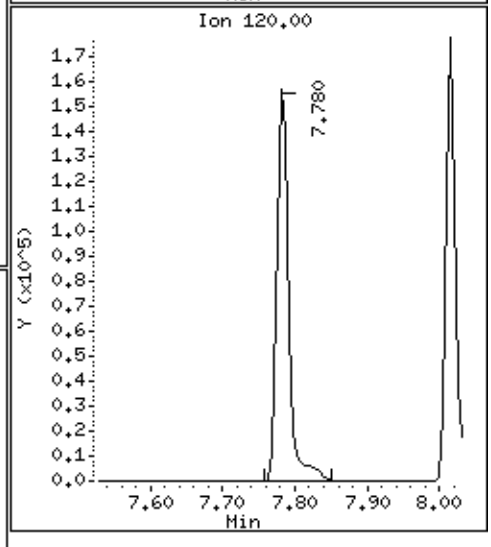
70 Isopropylbenzene

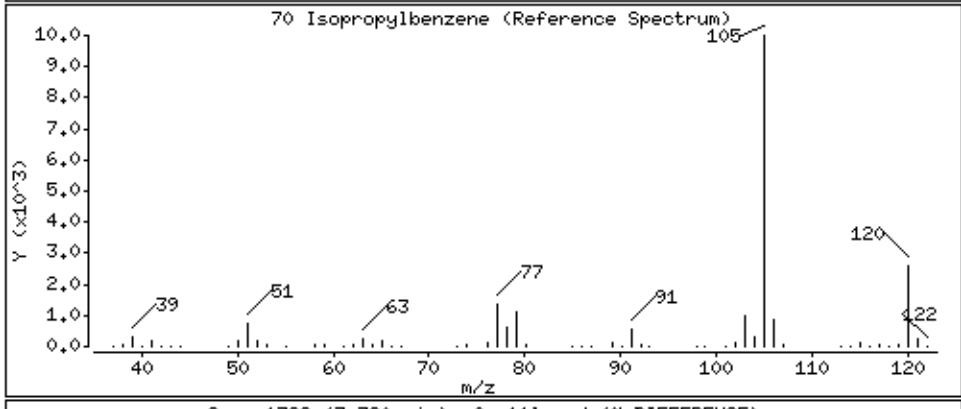
Concentration: 46.2 ppb

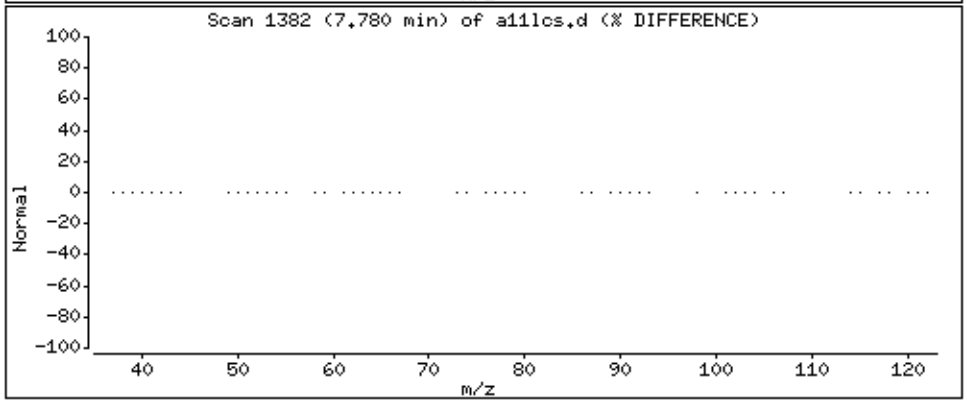












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

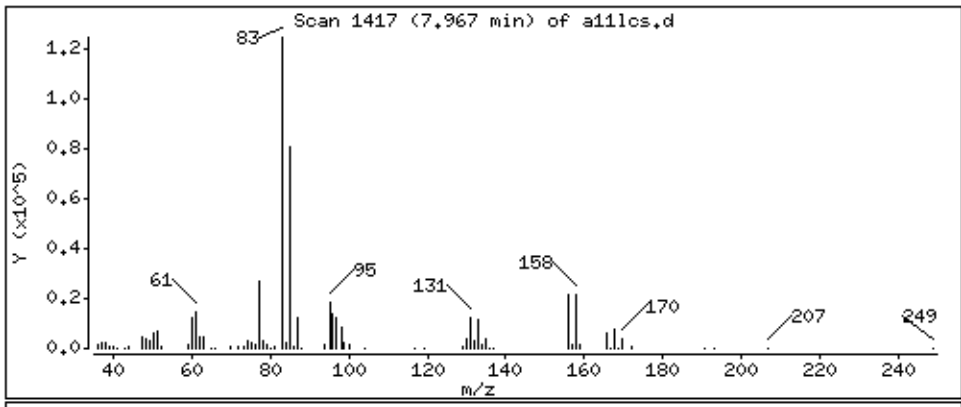
Operator: ala

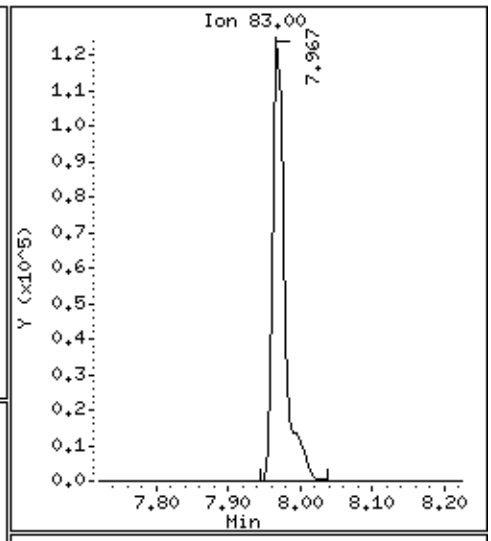
Column phase: DB-624

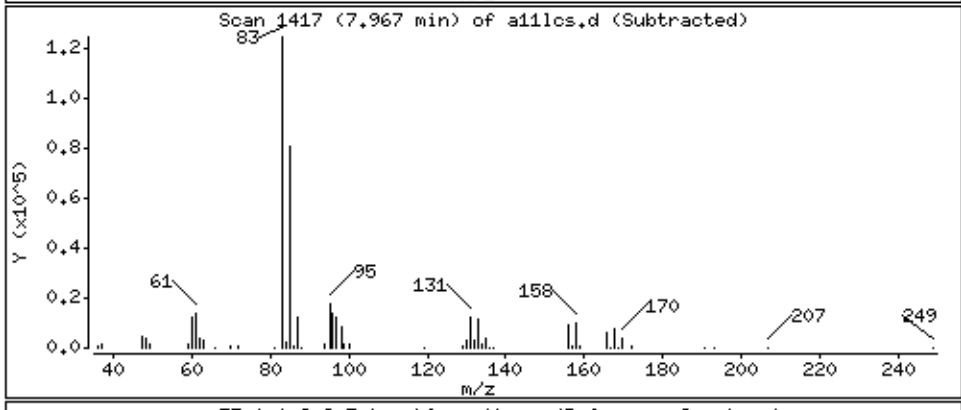
Column diameter: 0.18

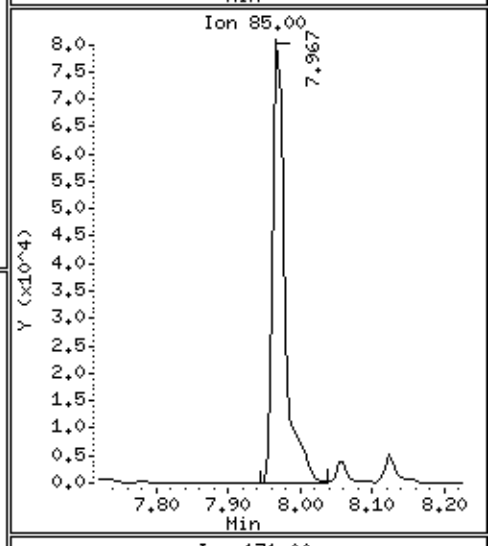
73 1,1,2,2-Tetrachloroethane

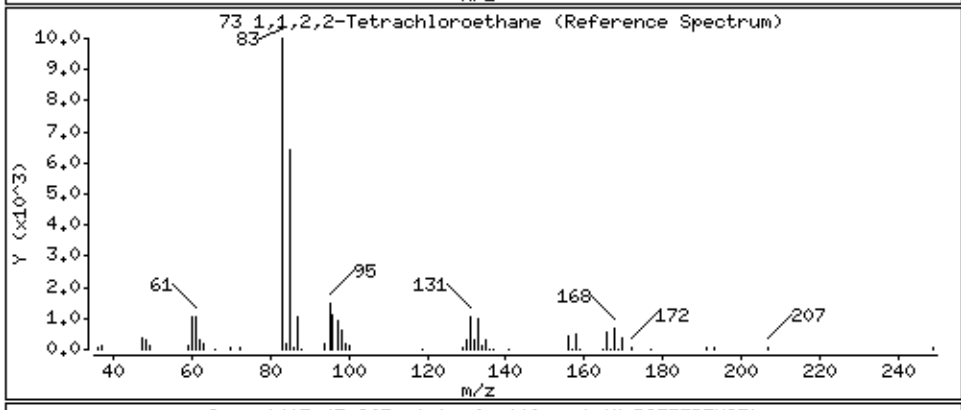
Concentration: 43.9 ppb

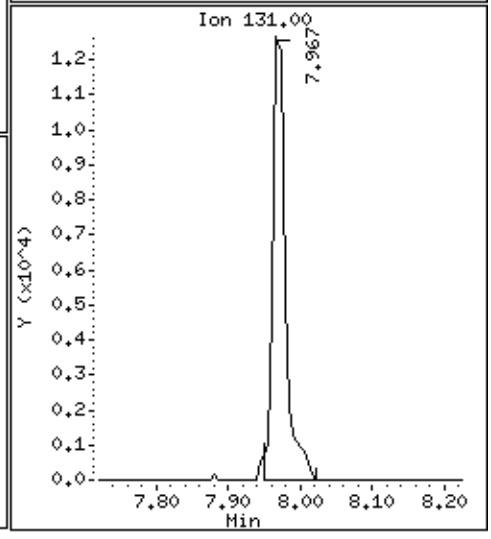


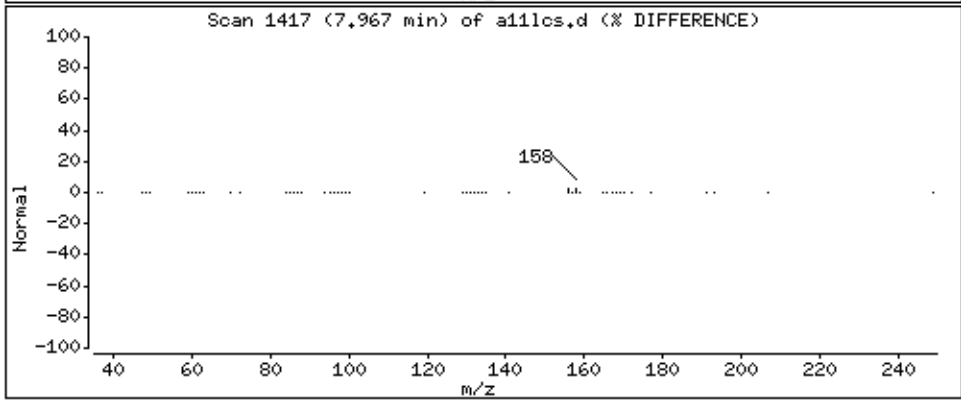












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

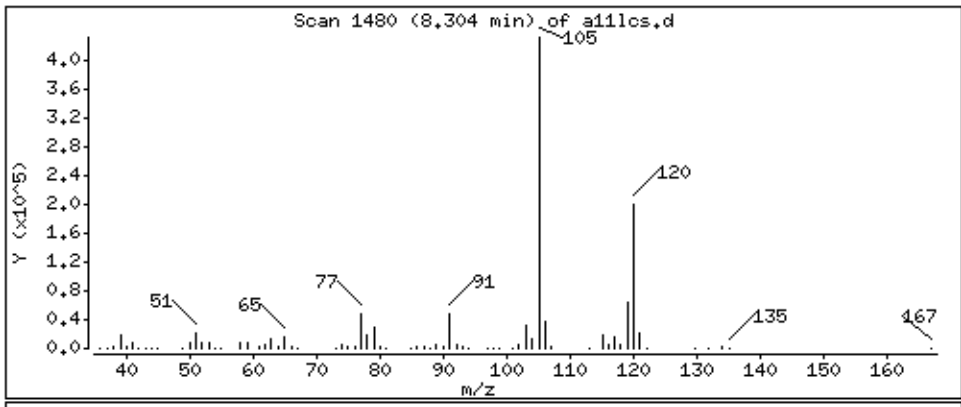
Operator: ala

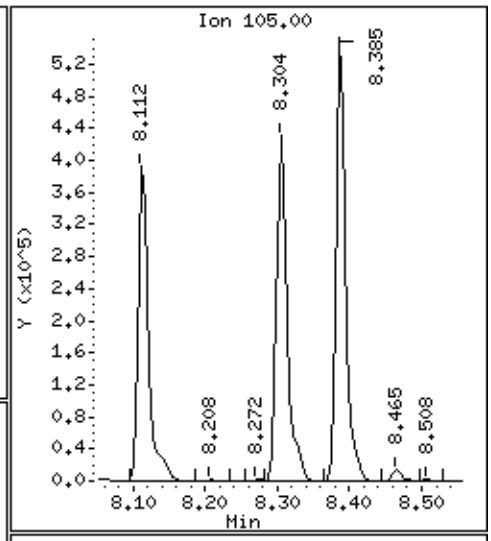
Column phase: DB-624

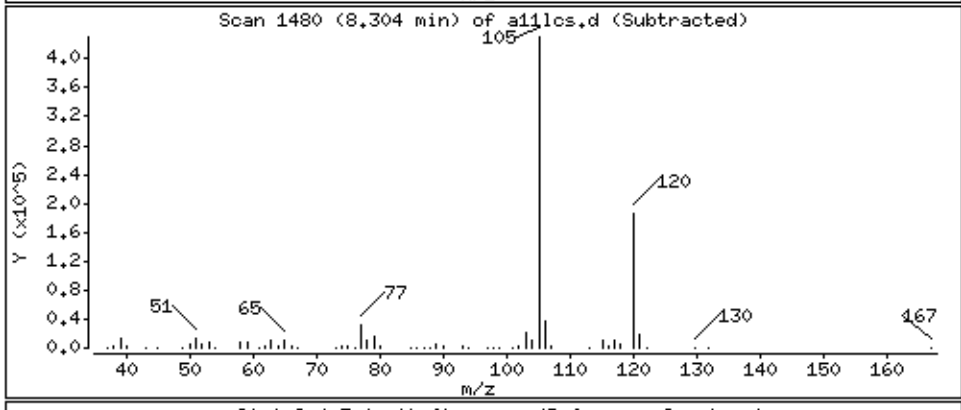
Column diameter: 0.18

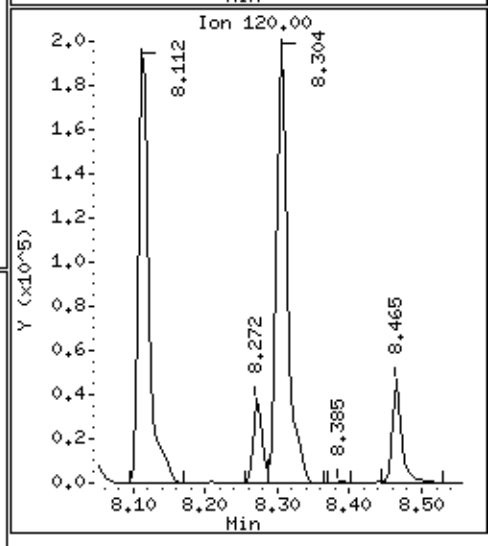
81 1,2,4-Trimethylbenzene

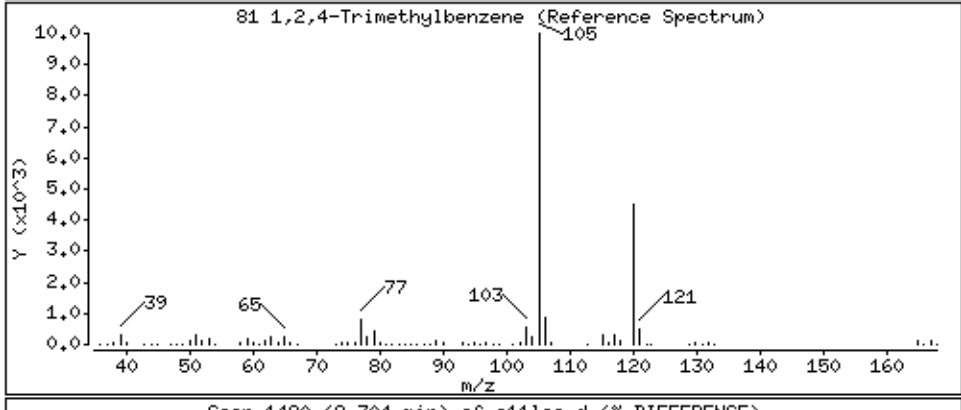
Concentration: 38.7 ppb

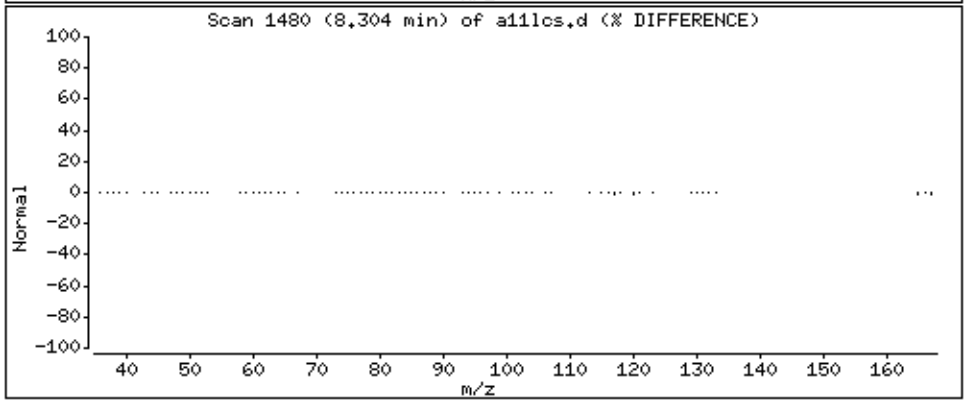












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\a11lcs.d

Date : 03-JUL-2014 21:56

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123195,71787:5

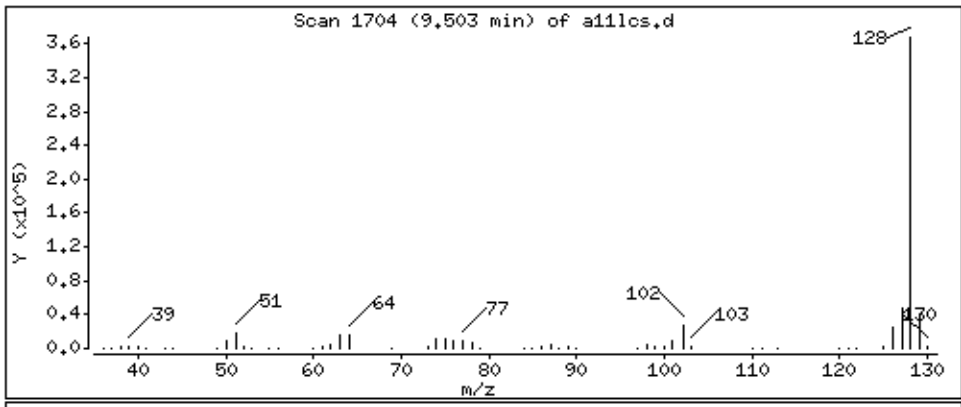
Operator: ala

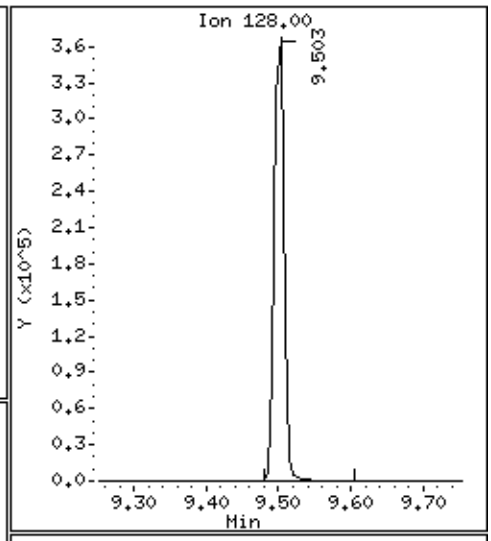
Column phase: DB-624

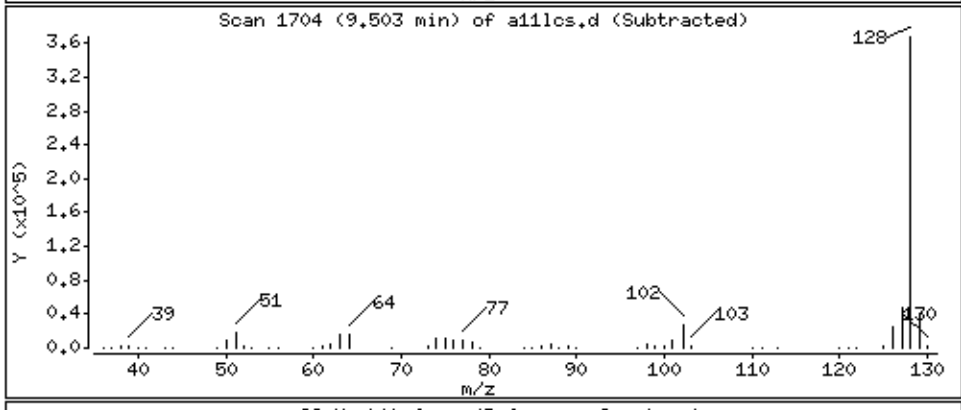
Column diameter: 0.18

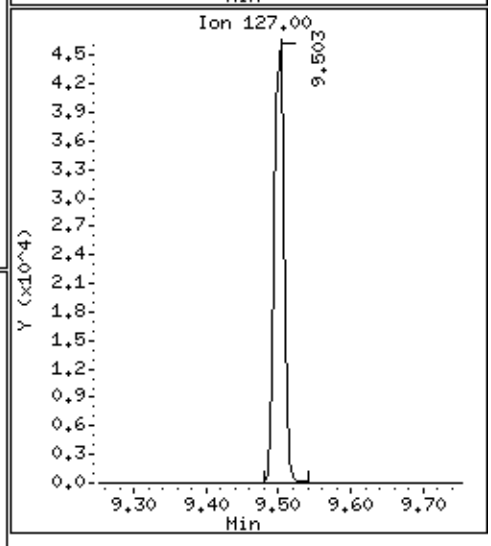
92 Naphthalene

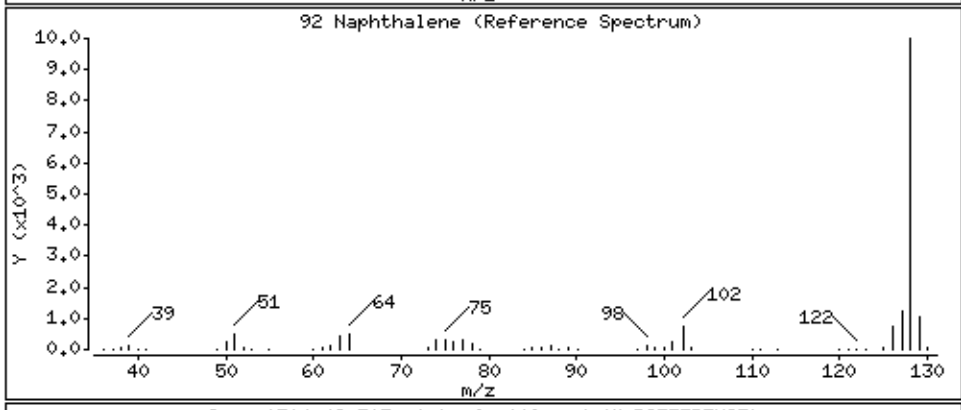
Concentration: 51.2 ppb

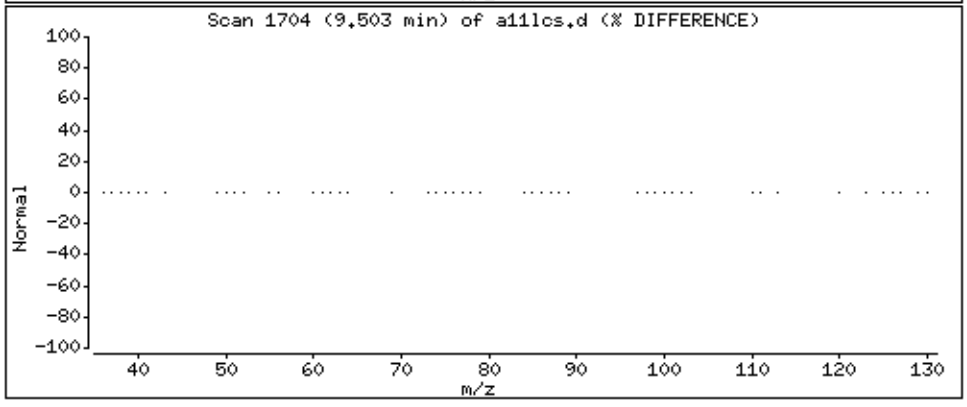












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/a11lcs.d
Injection Date: 03-JUL-2014 21:56
Instrument: 50mv6b.i
Lab Sample ID: 1123195
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

SAMPLE NO.

LCS

MSV - FORM I VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/04/2014 04:18 Lab Sample ID: 1123225

Date Analyzed: 07/04/2014 04:18 Lab File ID: B070314CAL.B\C02LCS.D

Initial wt/vol: 5 g Final wt/vol: 5 mL Dilution: 1 Instrument: 50MV6B Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
71-43-2	Benzene	52.0	
108-90-7	Chlorobenzene	47.2	
67-66-3	Chloroform	46.2	
75-35-4	1,1-Dichloroethene	47.8	
78-87-5	1,2-Dichloropropane	48.6	
100-41-4	Ethylbenzene	46.1	
98-82-8	Isopropylbenzene (Cumene)	48.3	
1634-04-4	Methyl-tert-butyl ether	99.7	
91-20-3	Naphthalene	47.4	
79-34-5	1,1,2,2-Tetrachloroethane	46.6	
127-18-4	Tetrachloroethene	47.5	
108-88-3	Toluene	50.2	
71-55-6	1,1,1-Trichloroethane	51.1	
79-01-6	Trichloroethene	50.5	
95-63-6	1,2,4-Trimethylbenzene	38.7	
75-01-4	Vinyl chloride	54.0	
1330-20-7	Xylene (Total)	142	

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d
Lab Smp Id: 1123227 Client Smp ID: MBLCS
Inj Date : 04-JUL-2014 04:18
Operator : ala Inst ID: 50mv6b.i
Smp Info : 1123227,71787:5
Misc Info : 66497
Comment   :
Method   : \\192.168.50.6\chem\50mv6b.i\b070314cal.b\-b8260sl_a_c.m
Meth Date : 04-Jul-2014 15:00 50mv6b.i Quant Type: ISTD
Cal Date : 03-JUL-2014 20:34 Cal File: a08.d
Als bottle: 25 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

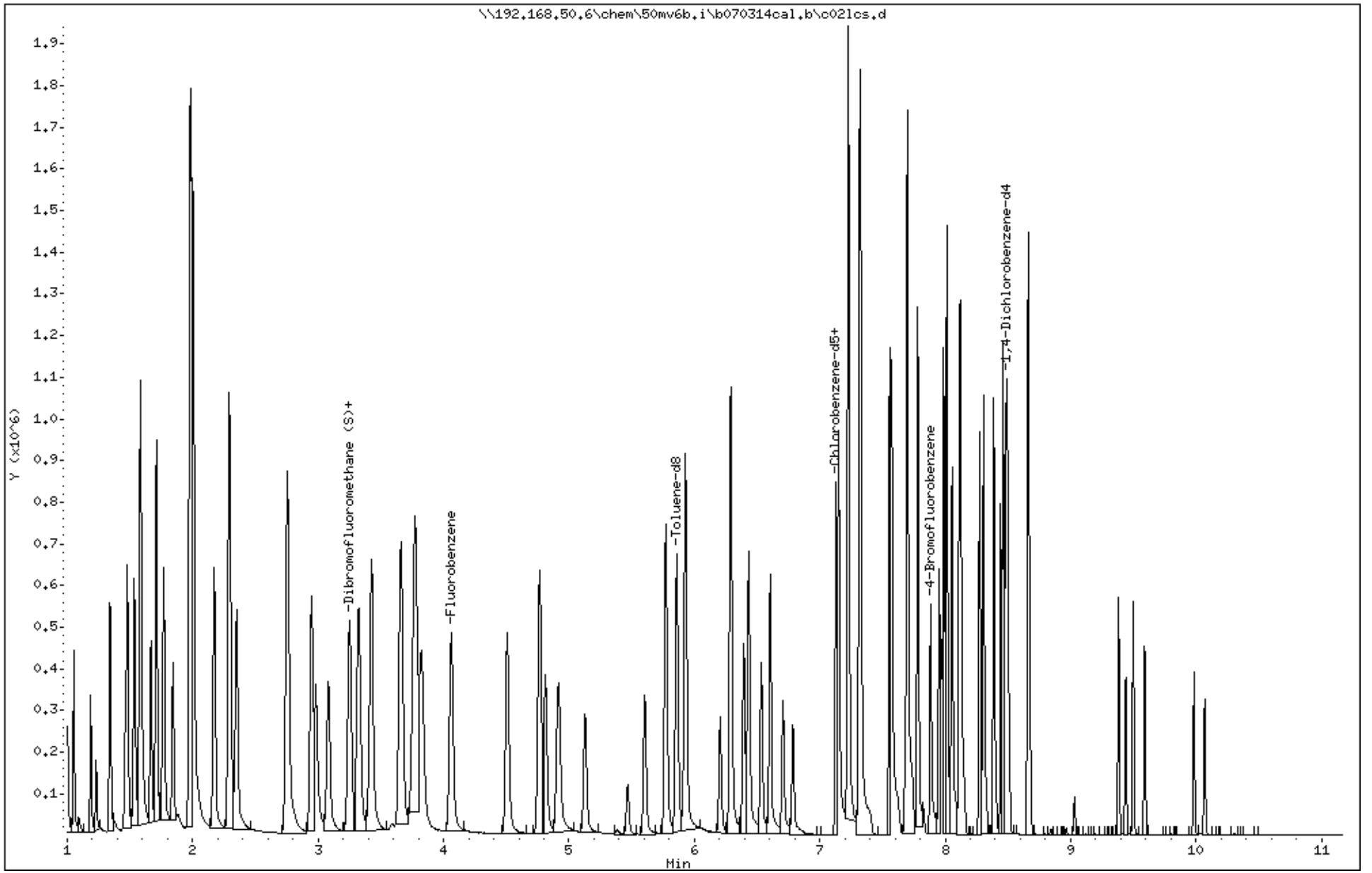
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Ws	5.000	Weight of sample extracted (g)
M	0.00000	% Moisture (not decanted)
Va	0.00000	Volume of aliquot extract added (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
	3 Vinyl Chloride	62	1.050	1.050	(0.259)	187157	54.0096	54.0
	11 1,1-Dichloroethene	96	1.585	1.585	(0.390)	140435	47.7904	47.8
	20 Methyl-tert-butyl ether	73	1.997	1.996	(0.492)	686920	99.7094	99.7
	32 Chloroform	83	3.083	3.082	(0.759)	301457	46.2313	46.2
	34 1,1,1-Trichloroethane	97	3.248	3.248	(0.800)	235671	51.0908	51.1
$	33 Dibromofluoromethane (S)	113	3.254	3.254	(0.801)	138108	47.8503	47.8
	39 Benzene	78	3.660	3.660	(0.901)	672323	51.9824	52.0
*	41 Fluorobenzene	96	4.062	4.067	(1.000)	557309	50.0000	
	42 Trichloroethene	95	4.506	4.511	(1.109)	179719	50.5442	50.5
	44 1,2-Dichloropropane	63	4.816	4.816	(1.186)	151061	48.6373	48.6
$	51 Toluene-d8	98	5.859	5.859	(0.821)	441809	52.0996	52.1
	52 Toluene	91	5.929	5.928	(0.831)	653590	50.2305	50.2
	56 Tetrachloroethene	166	6.431	6.431	(0.902)	171465	47.4726	47.5
*	61 Chlorobenzene-d5	117	7.132	7.132	(1.000)	359840	50.0000	
	62 Chlorobenzene	112	7.154	7.154	(1.003)	418059	47.1808	47.2
	64 Ethylbenzene	106	7.229	7.228	(1.014)	210130	46.0907	46.1
	65 m&p-Xylene	106	7.319	7.325	(1.026)	541653	93.4132	93.4
	67 o-Xylene	106	7.560	7.560	(1.060)	229626	48.6544	48.6
	70 Isopropylbenzene	105	7.780	7.779	(1.091)	561625	48.3418	48.3
$	72 4-Bromofluorobenzene	95	7.881	7.881	(1.105)	137230	47.6921	47.7
	73 1,1,2,2-Tetrachloroethane	83	7.967	7.972	(0.939)	123494	46.6139	46.6

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ppb)
81 1,2,4-Trimethylbenzene	105	8.304	8.304	(0.979)	356839	38.7436	38.7
* 85 1,4-Dichlorobenzene-d4	152	8.486	8.486	(1.000)	158371	50.0000	
92 Naphthalene	128	9.502	9.502	(1.120)	253368	47.3513	47.4

Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d
Date : 04-JUL-2014 04:18
Client ID: MBLCS
Sample Info: 1123227,71787:5

Instrument: 50mv6b.i
Operator: ala
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

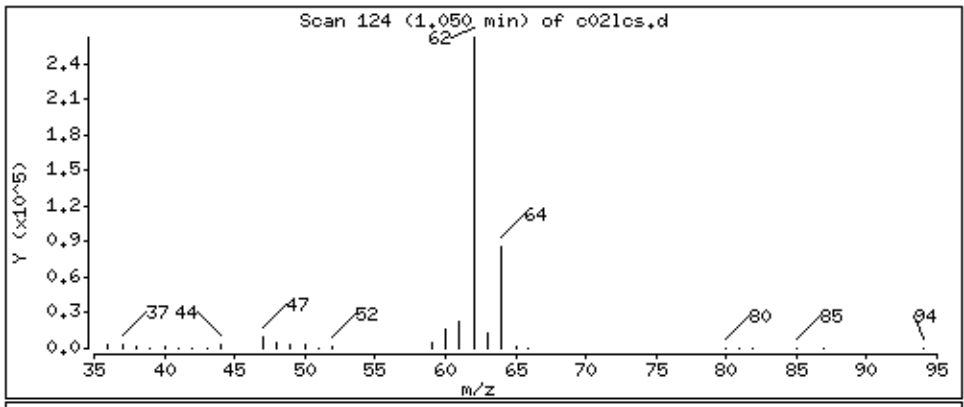
Operator: ala

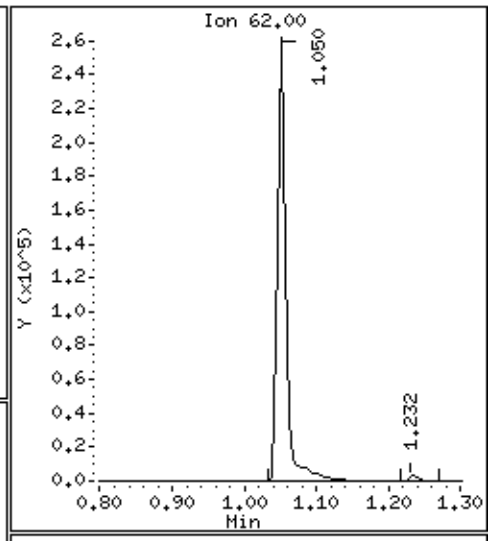
Column phase: DB-624

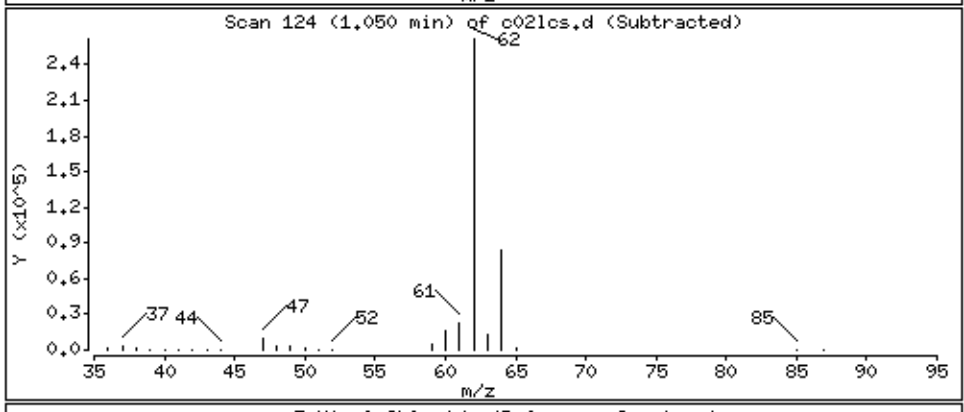
Column diameter: 0.18

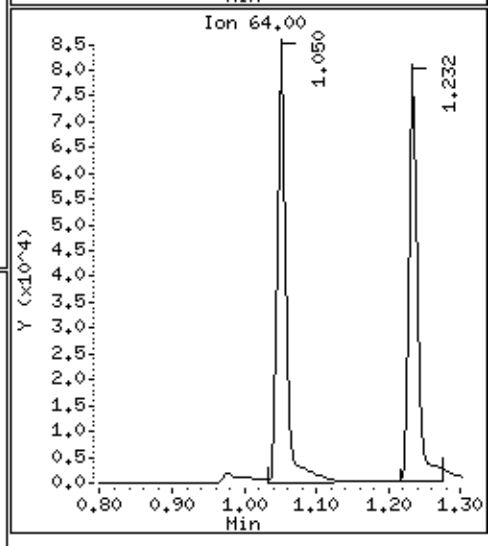
3 Vinyl Chloride

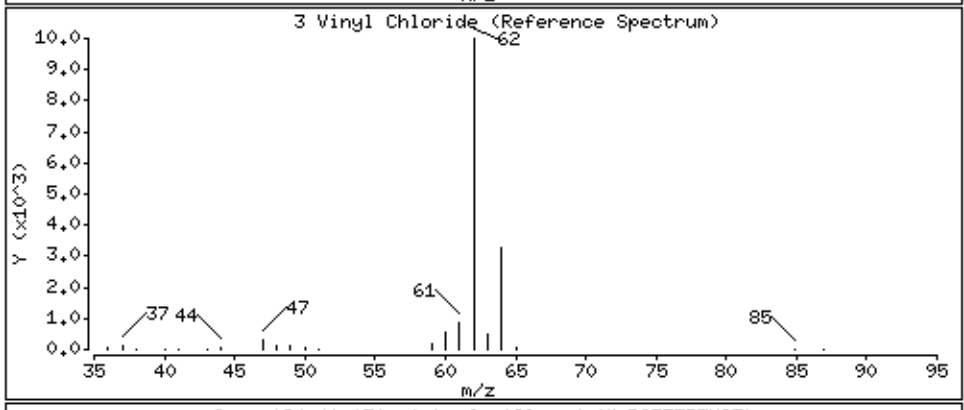
Concentration: 54.0 ppb

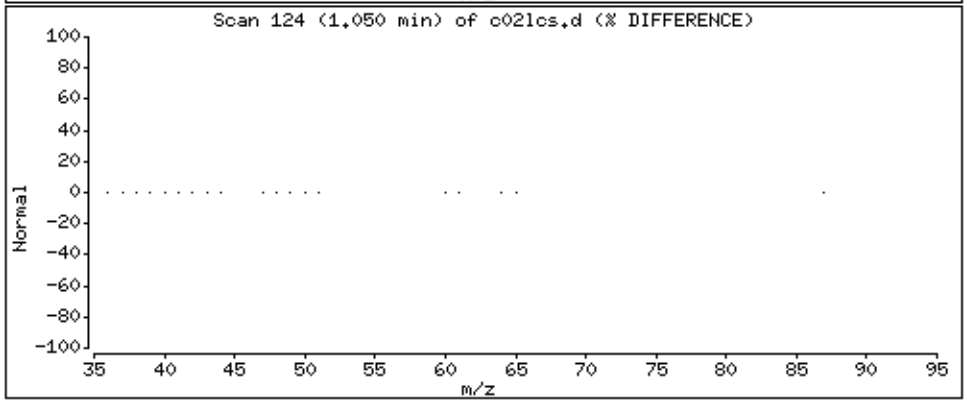












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

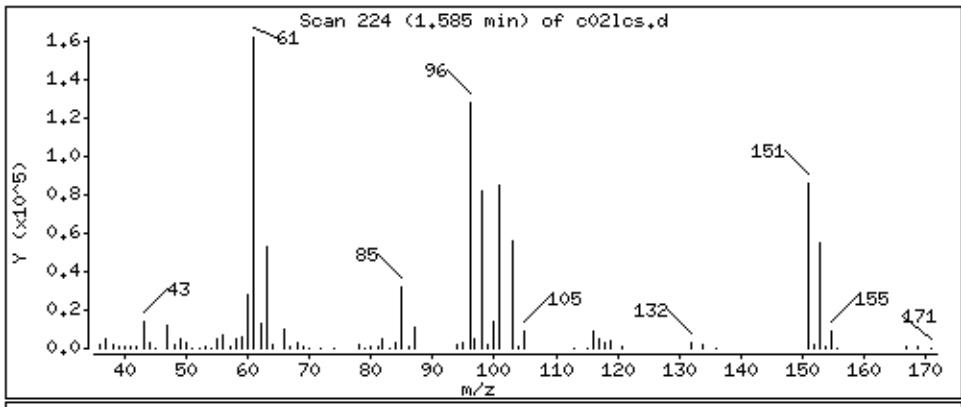
Operator: ala

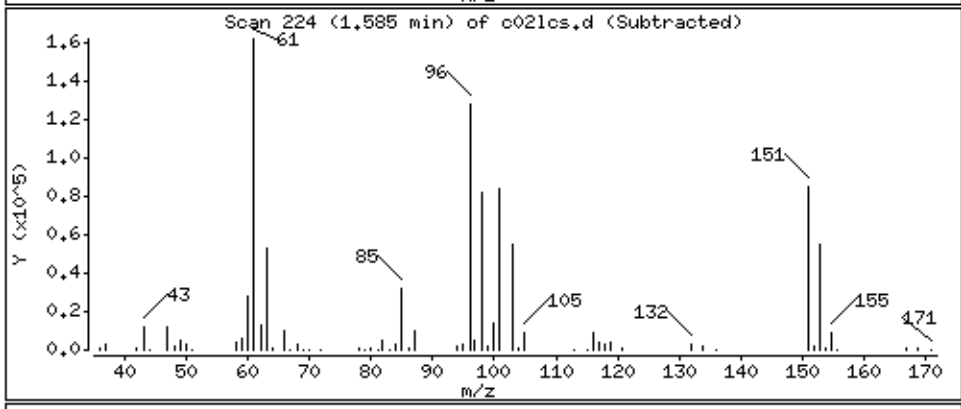
Column phase: DB-624

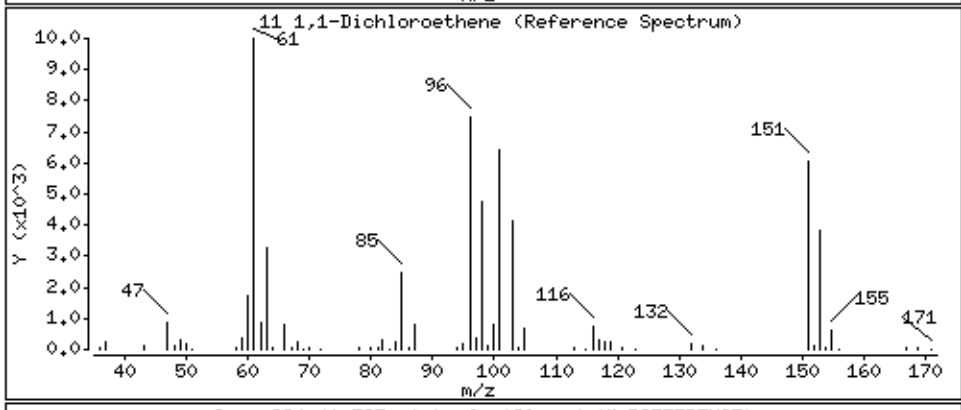
Column diameter: 0.18

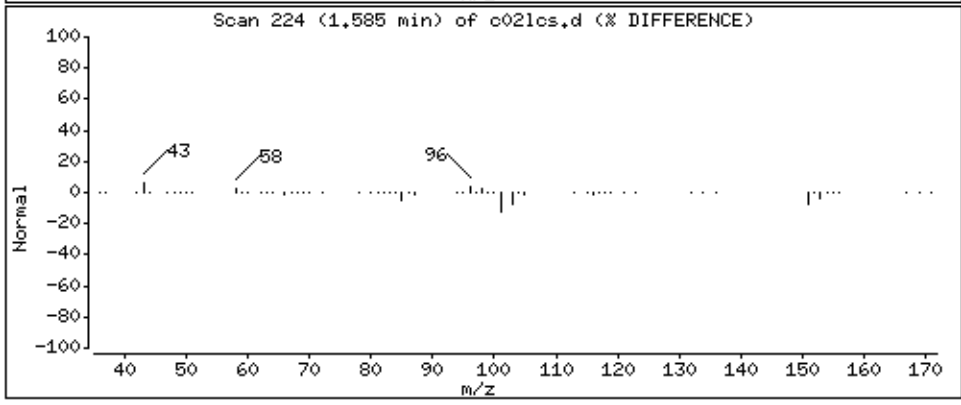
11 1,1-Dichloroethene

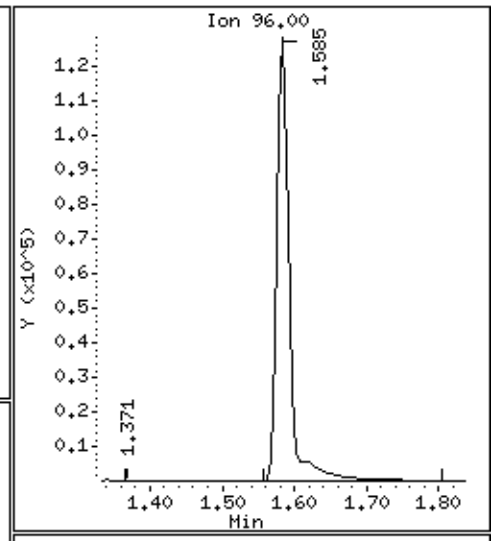
Concentration: 47.8 ppb

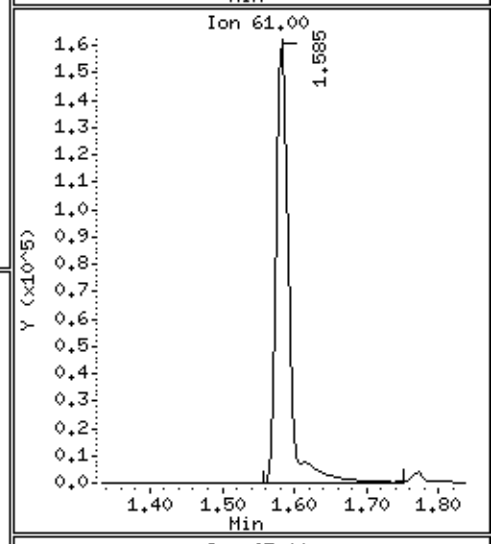


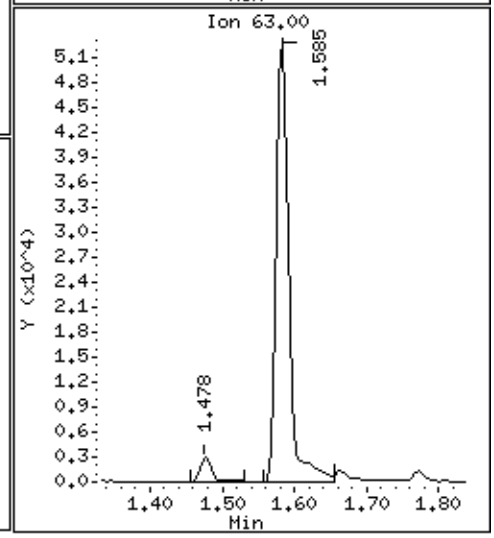












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

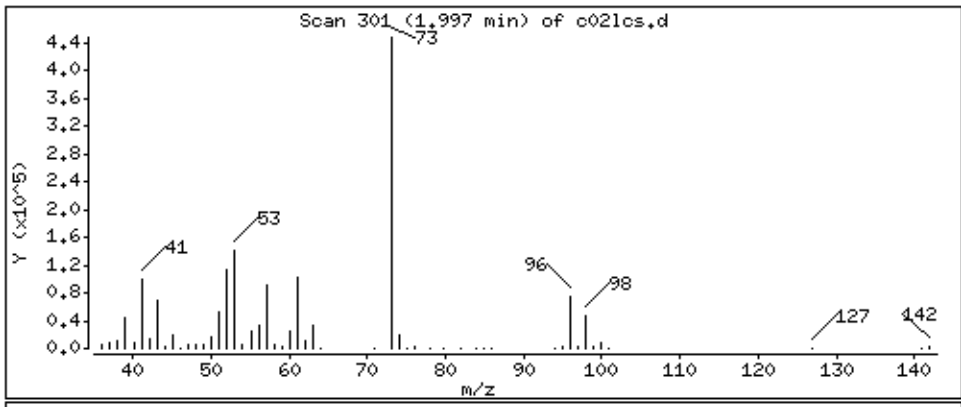
Operator: ala

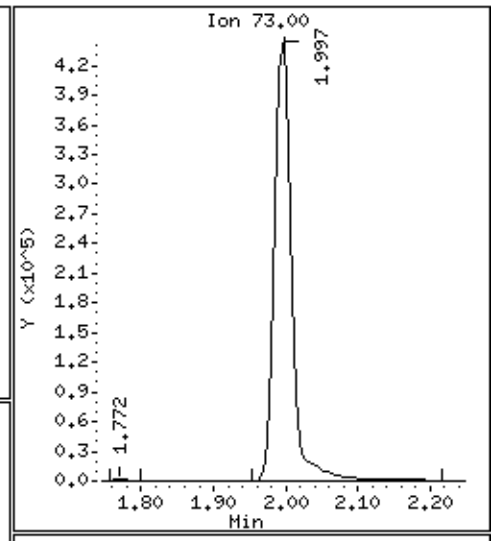
Column phase: DB-624

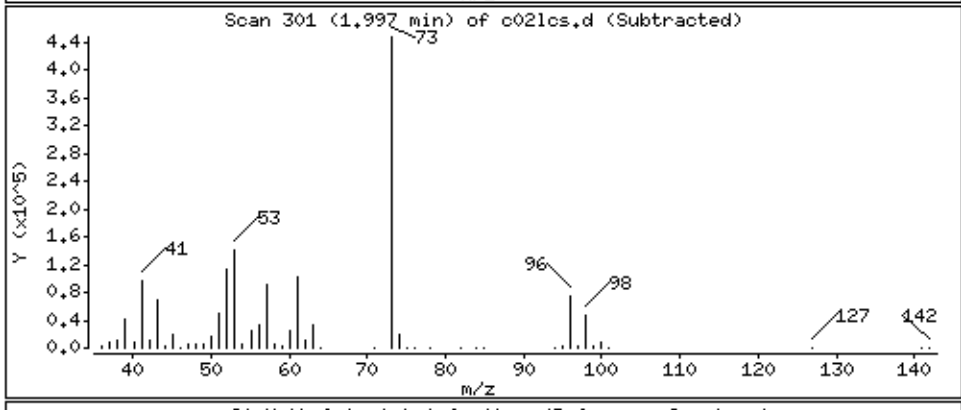
Column diameter: 0.18

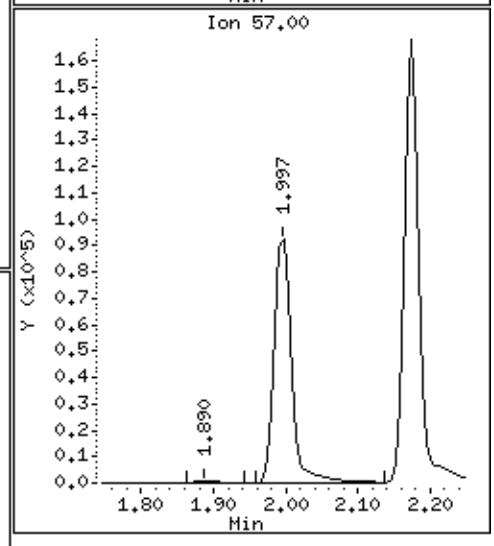
20 Methyl-tert-butyl ether

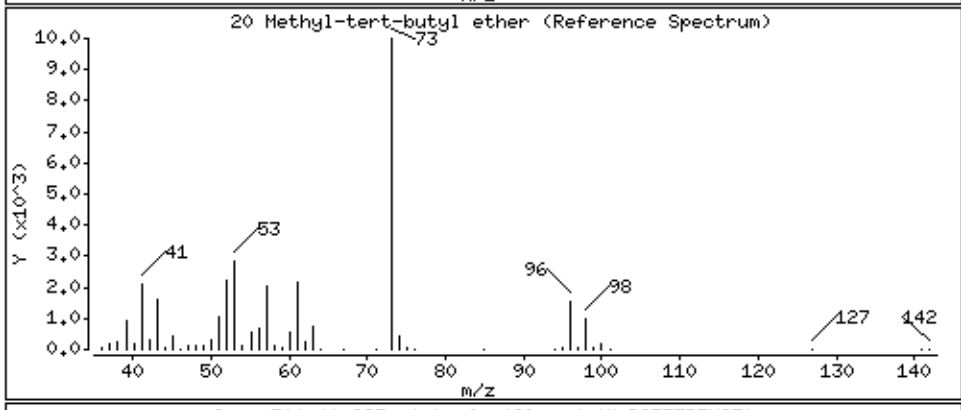
Concentration: 99.7 ppb

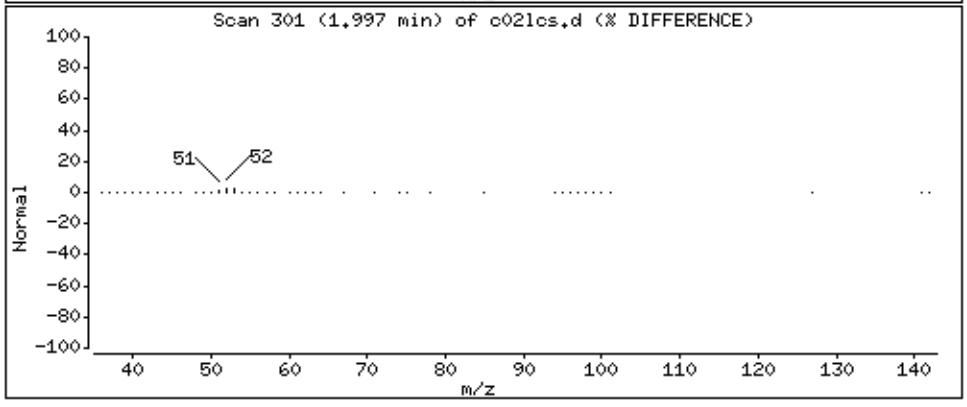












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

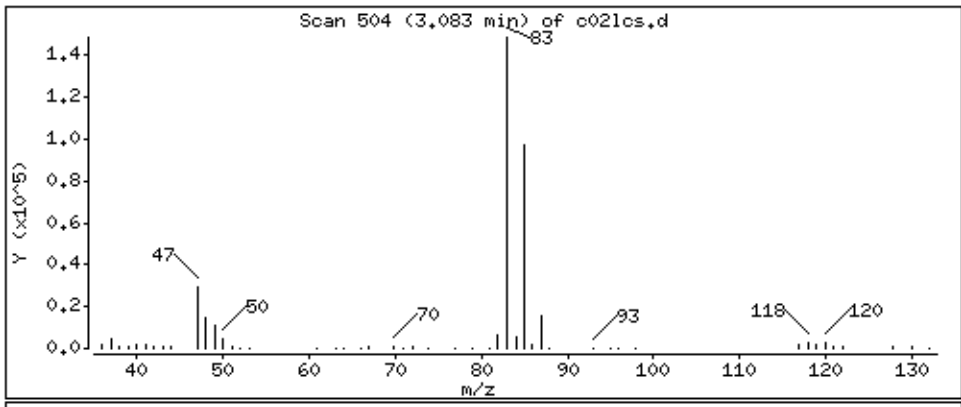
Operator: ala

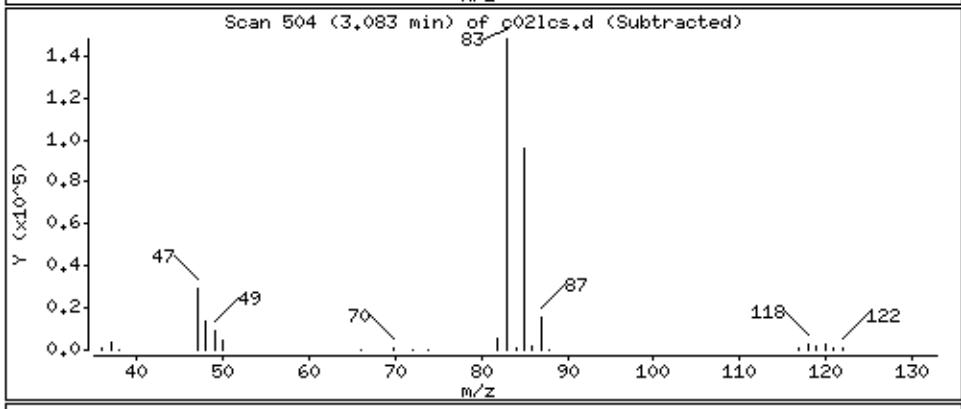
Column phase: DB-624

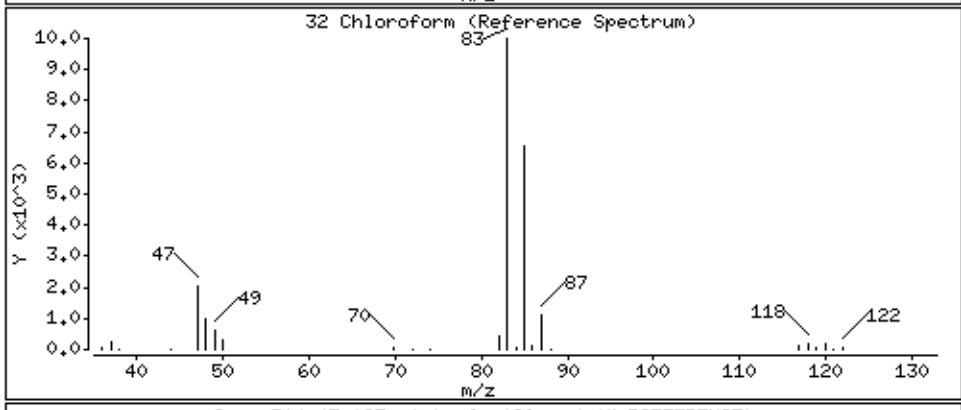
Column diameter: 0.18

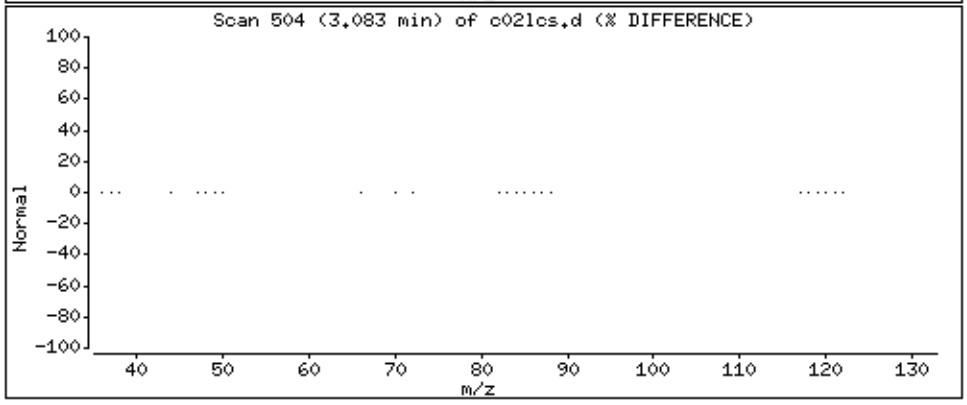
32 Chloroform

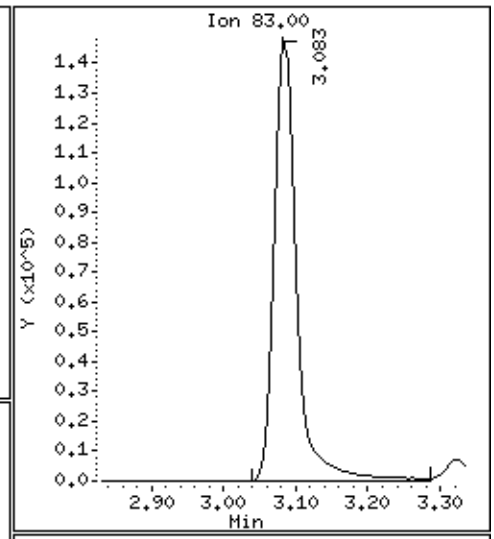
Concentration: 46.2 ppb

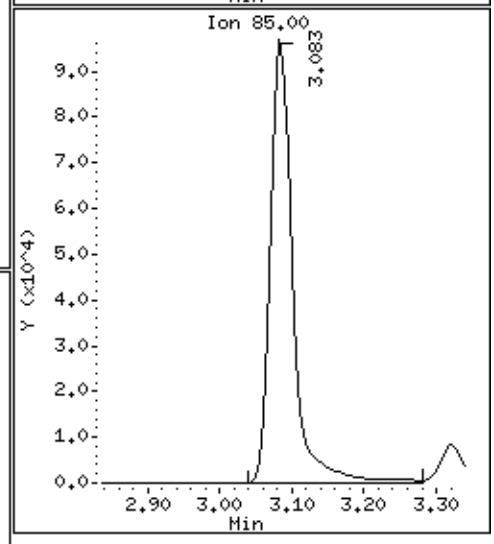












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

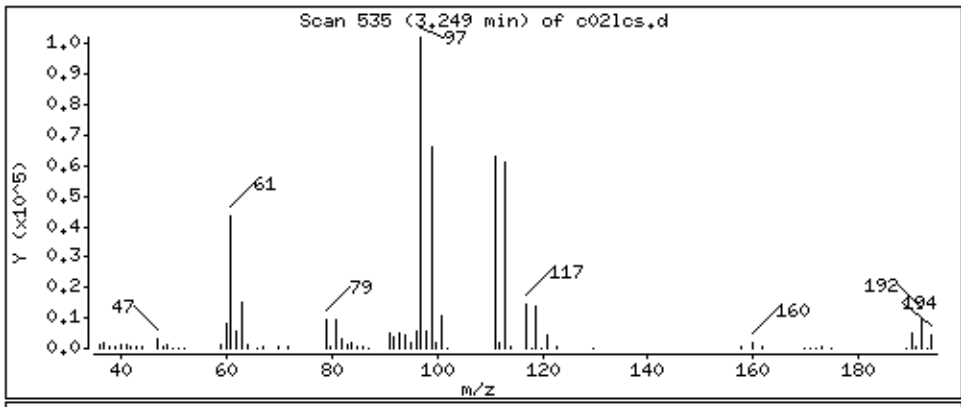
Operator: ala

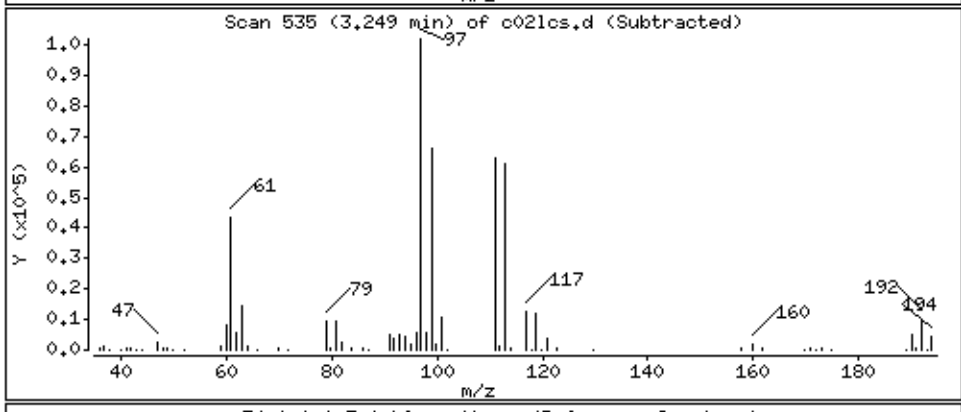
Column phase: DB-624

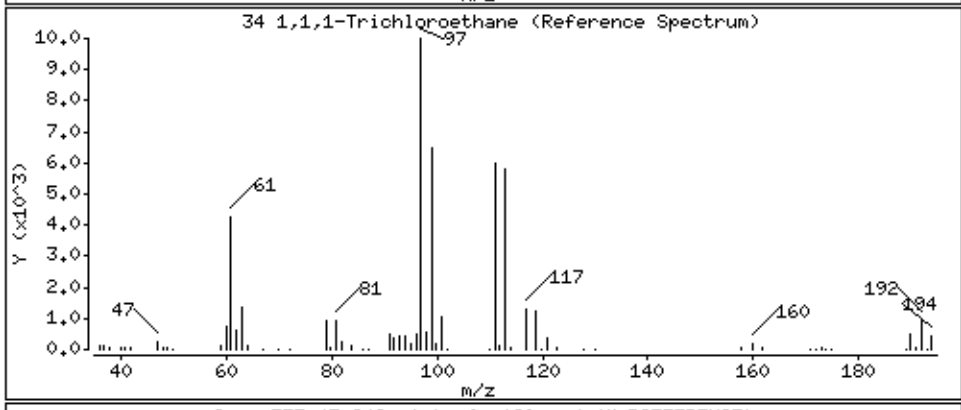
Column diameter: 0.18

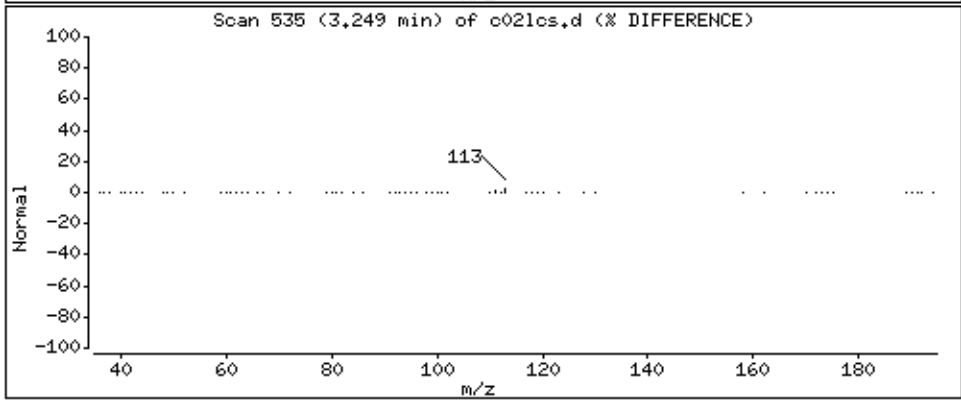
34 1,1,1-Trichloroethane

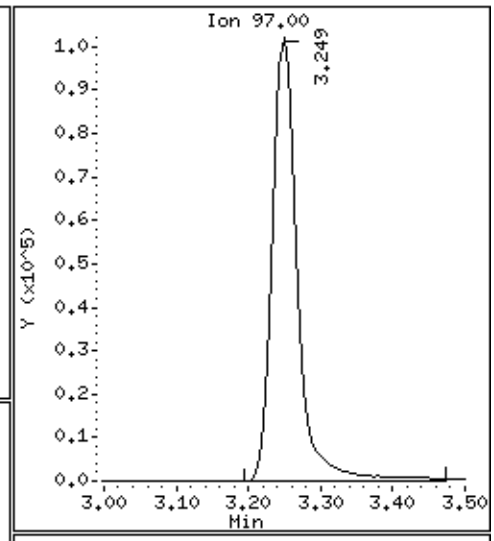
Concentration: 51.1 ppb

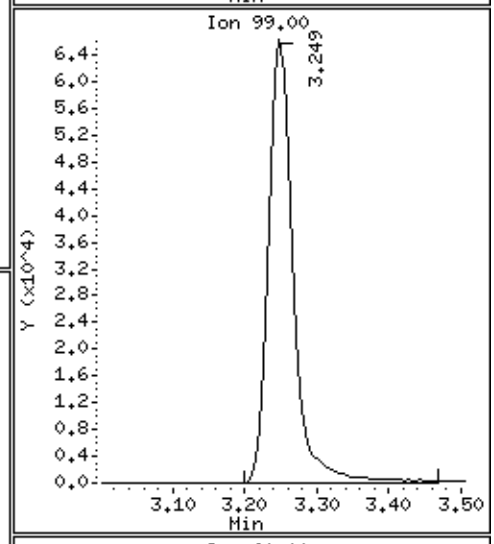


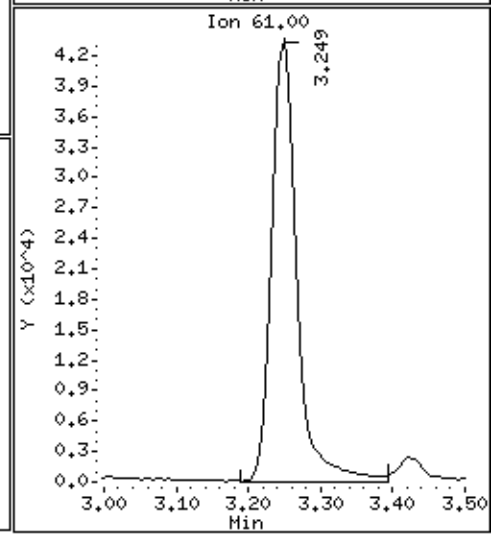












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

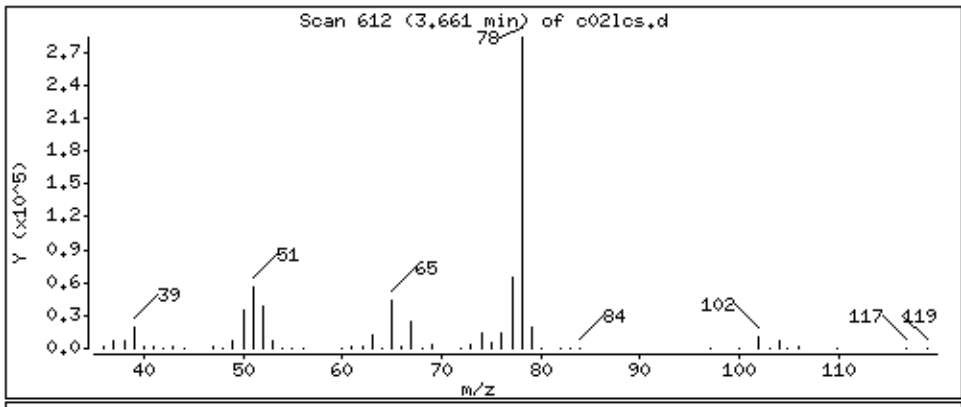
Operator: ala

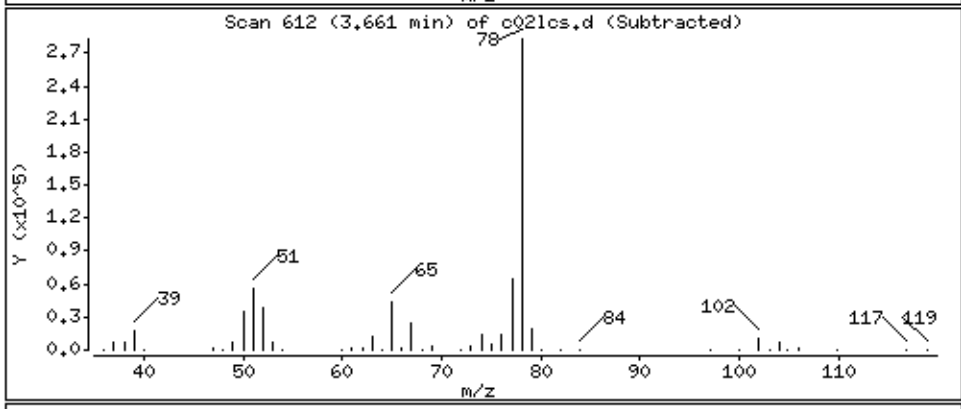
Column phase: DB-624

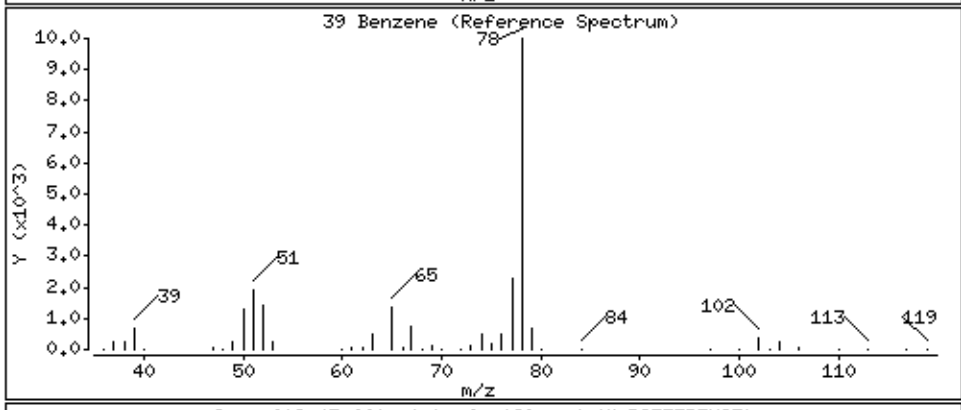
Column diameter: 0.18

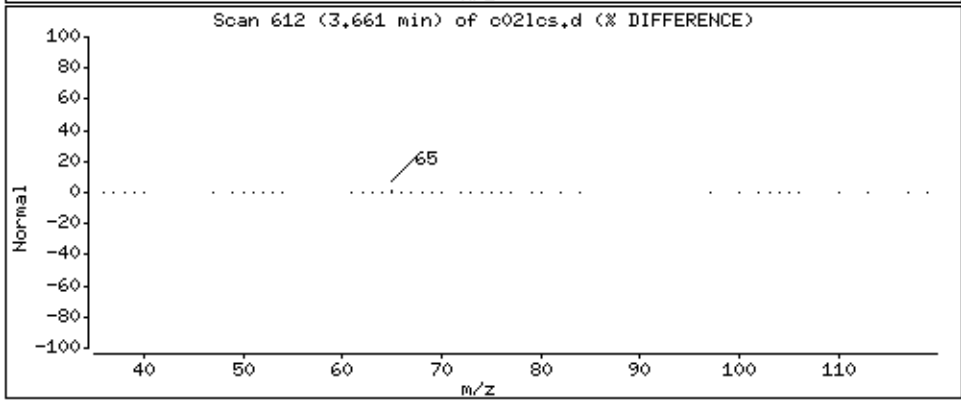
39 Benzene

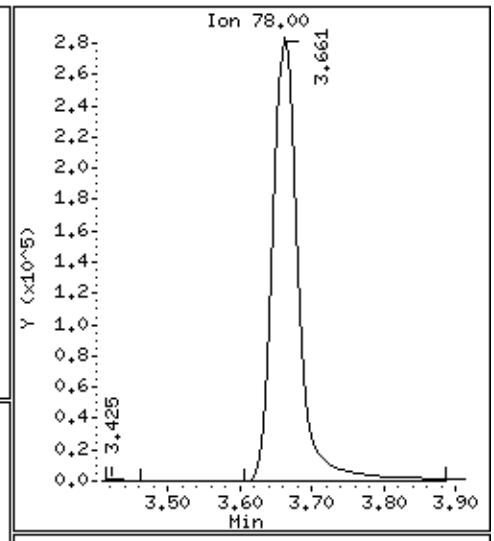
Concentration: 52.0 ppb

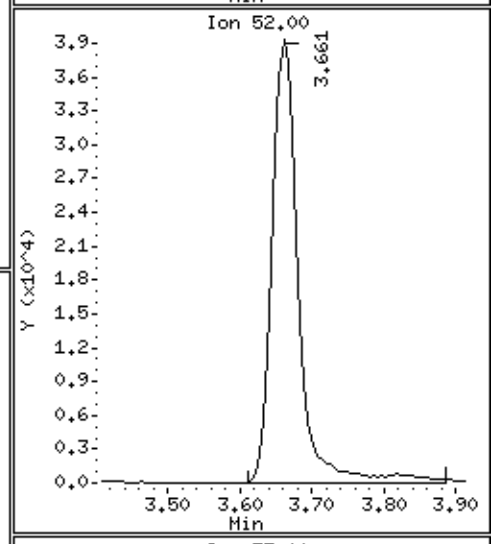


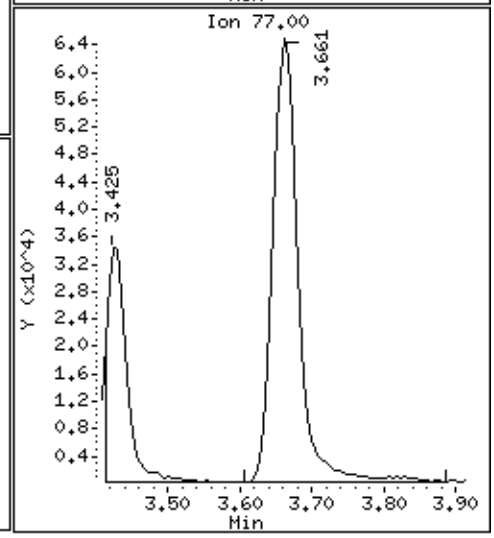












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

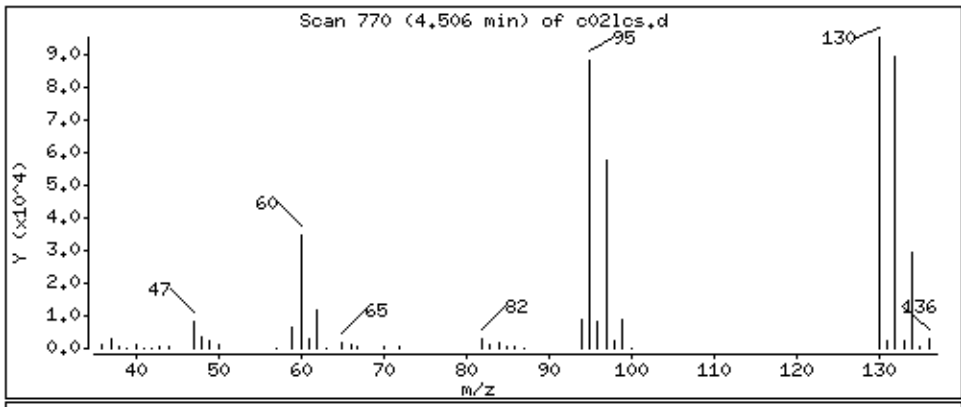
Operator: ala

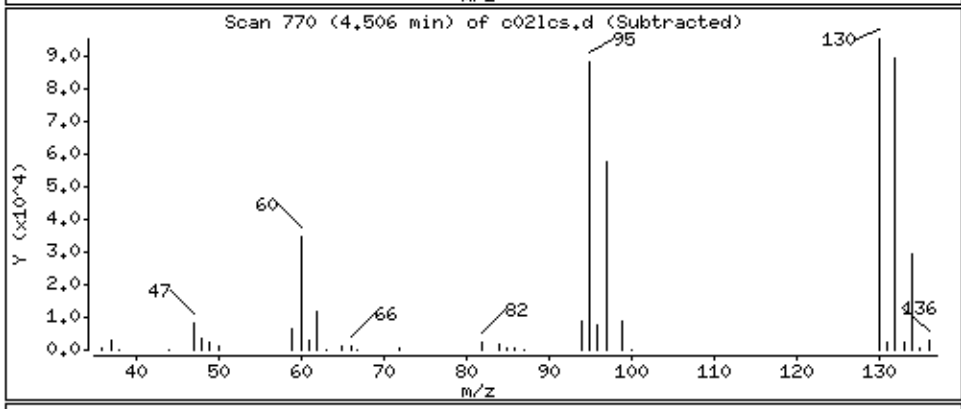
Column phase: DB-624

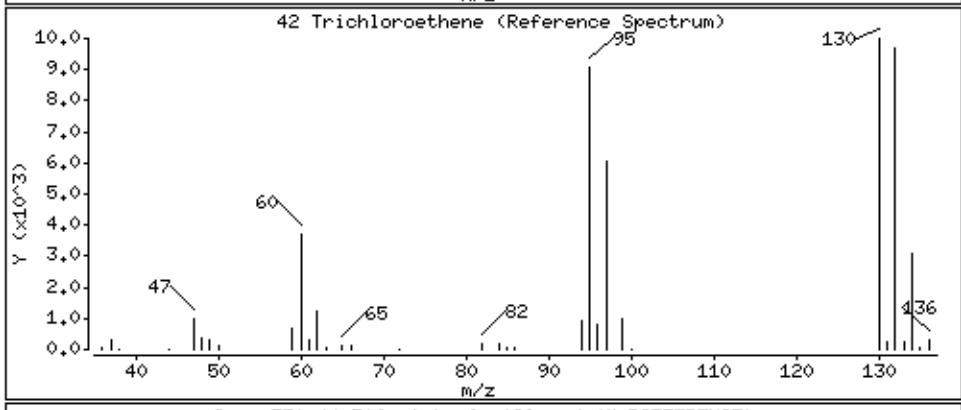
Column diameter: 0.18

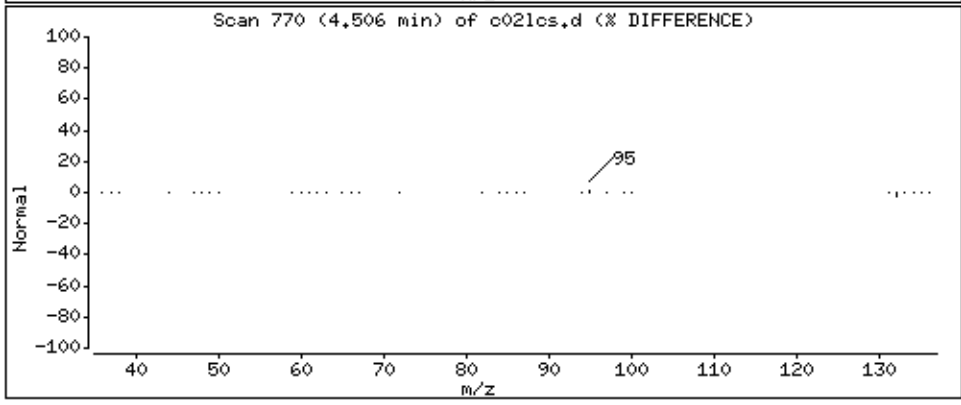
42 Trichloroethene

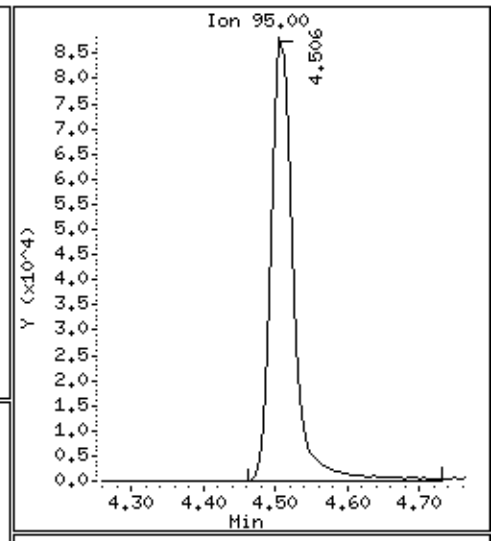
Concentration: 50.5 ppb

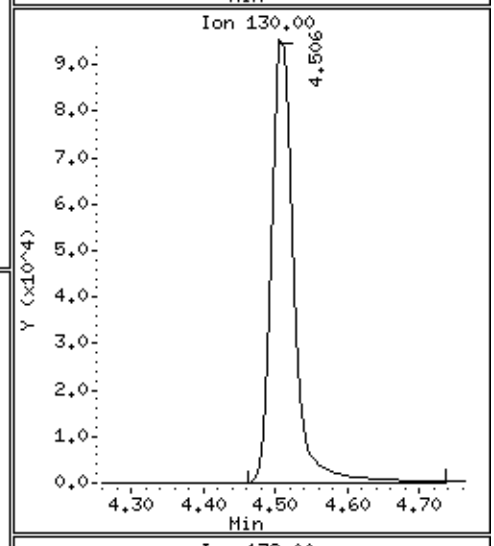


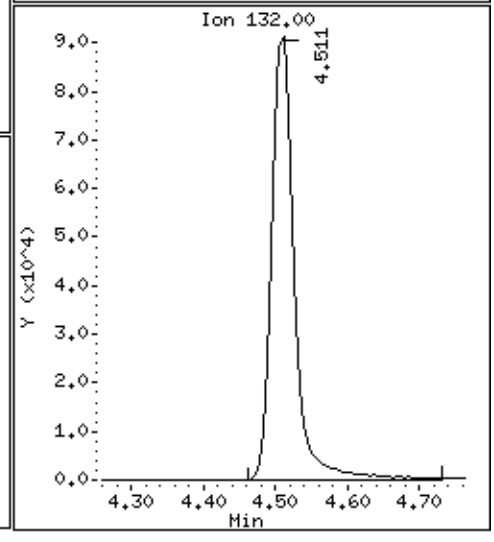












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

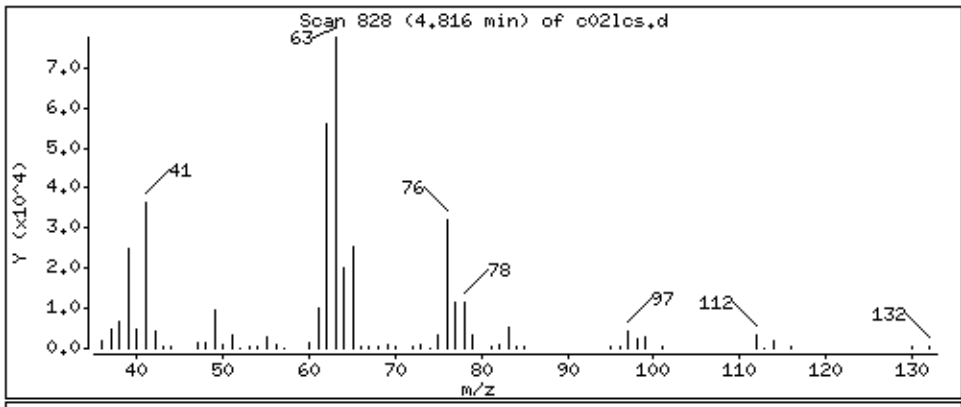
Operator: ala

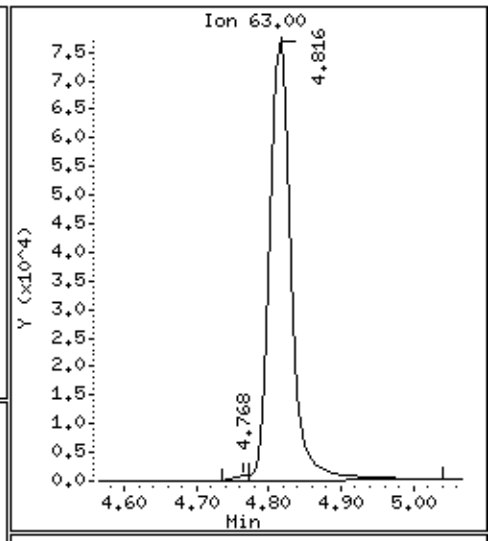
Column phase: DB-624

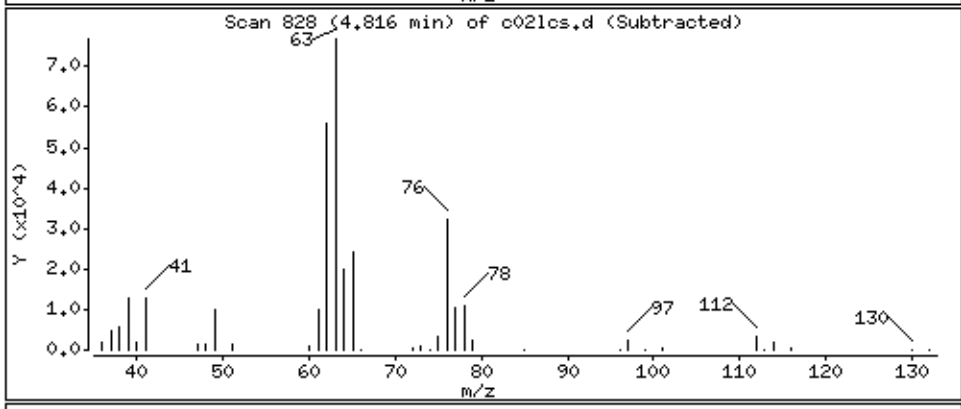
Column diameter: 0.18

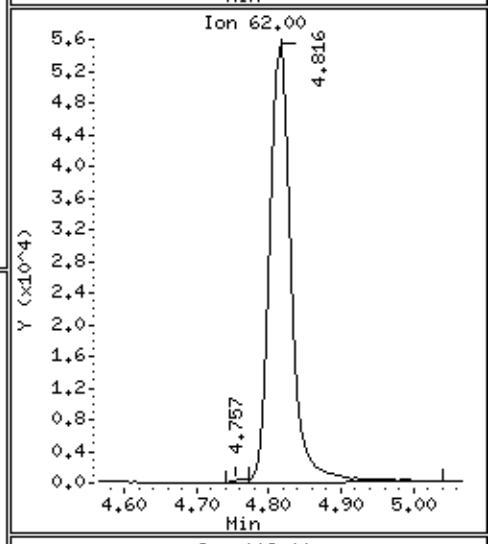
44 1,2-Dichloropropane

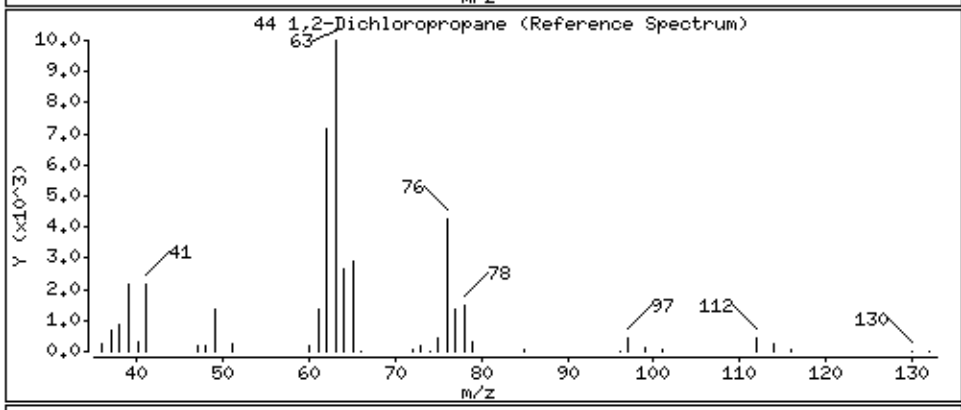
Concentration: 48.6 ppb

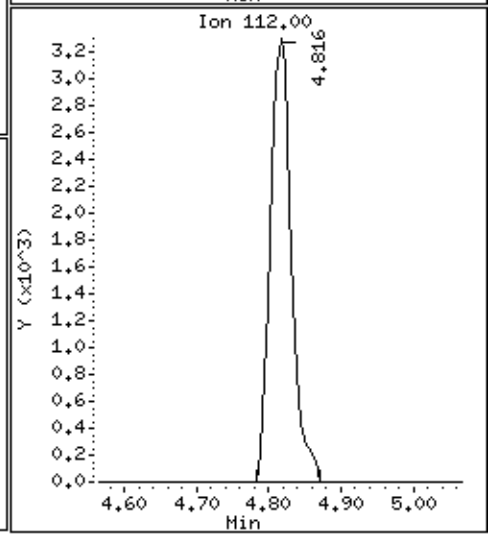


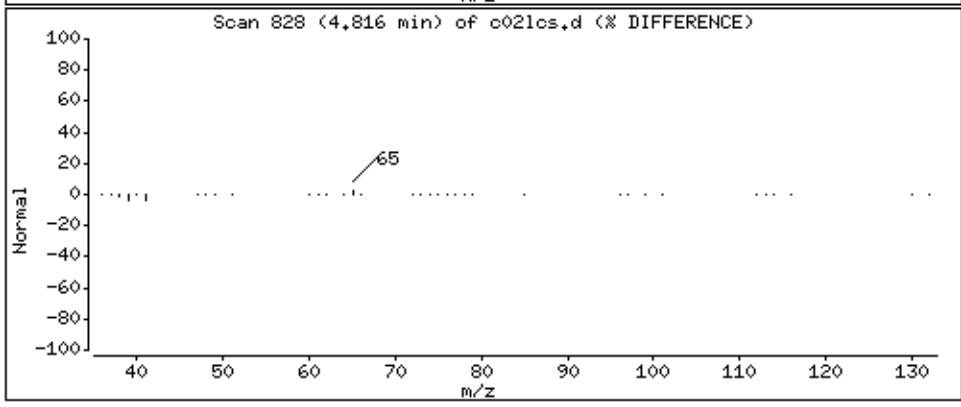












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

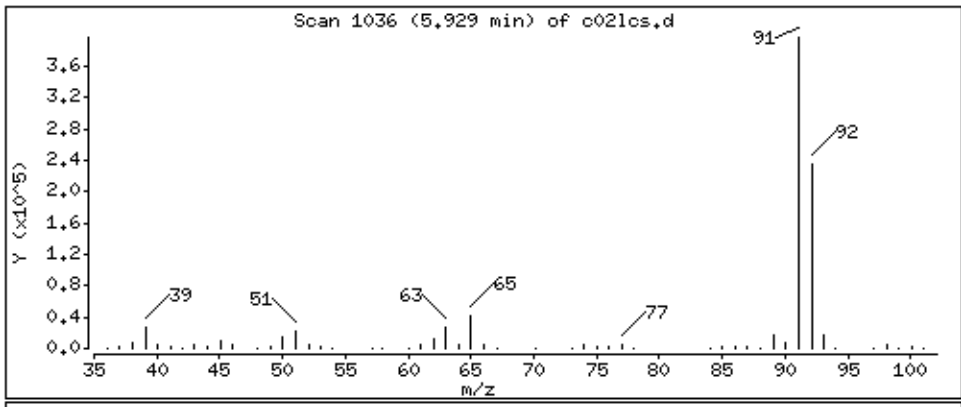
Operator: ala

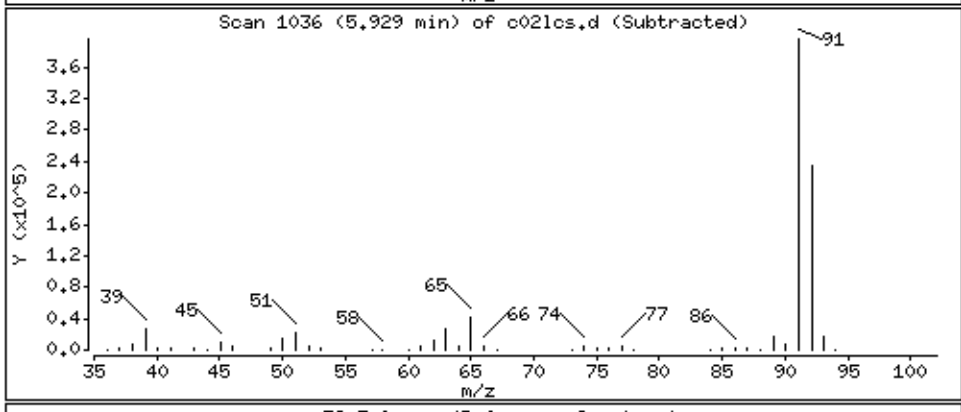
Column phase: DB-624

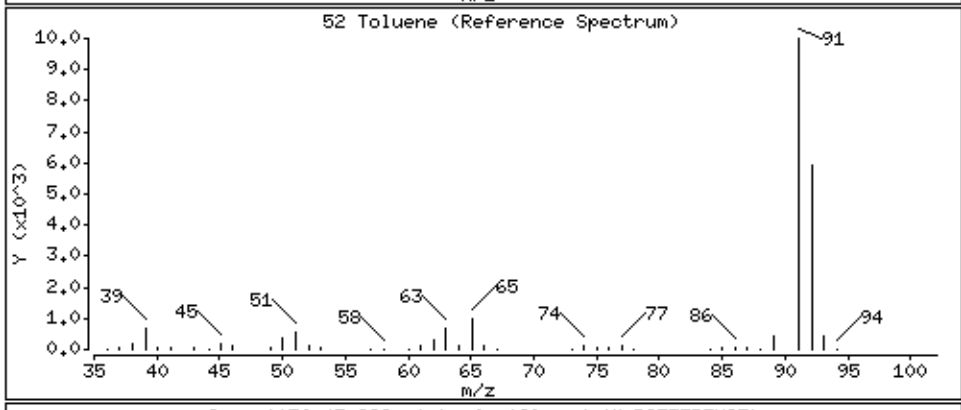
Column diameter: 0.18

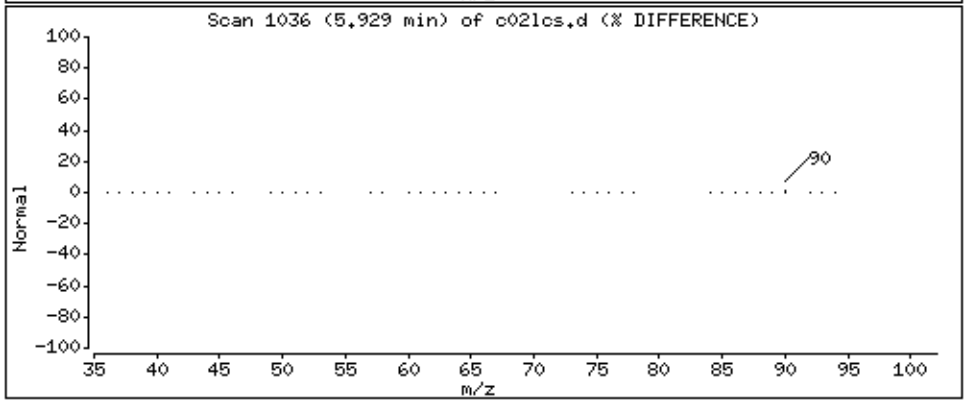
52 Toluene

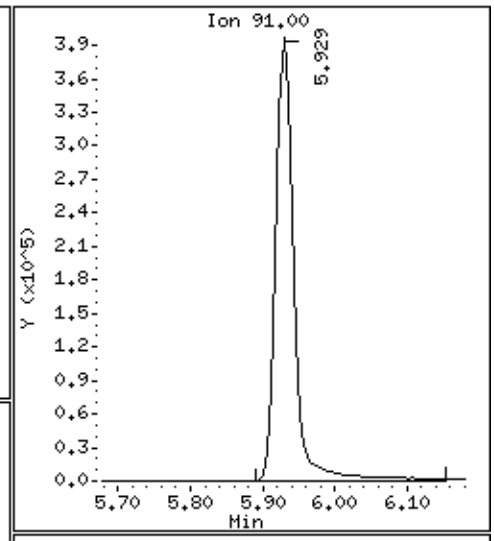
Concentration: 50.2 ppb

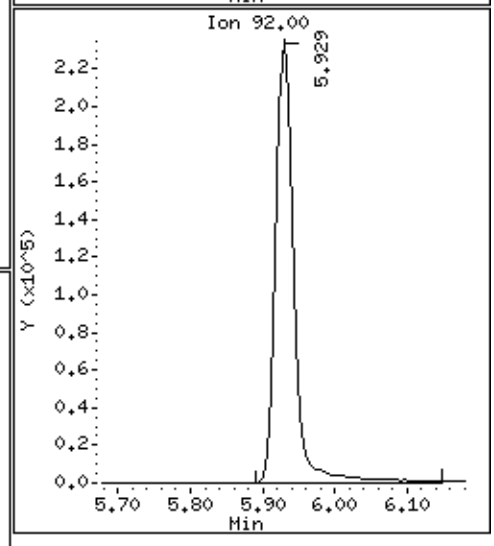












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

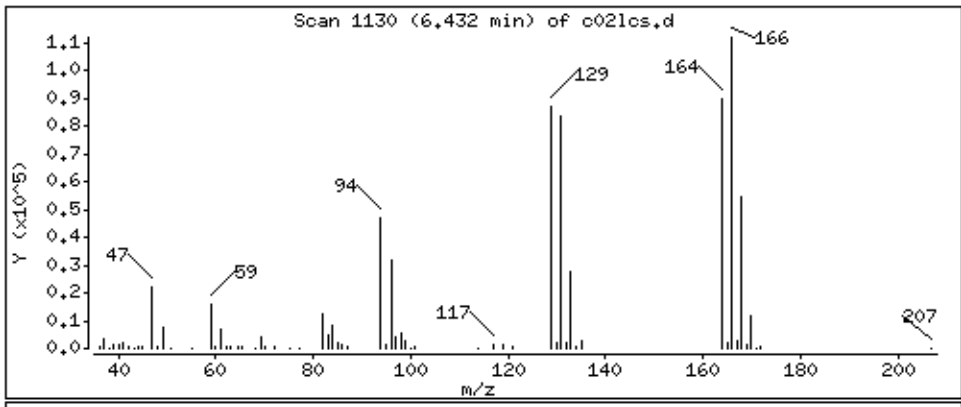
Operator: ala

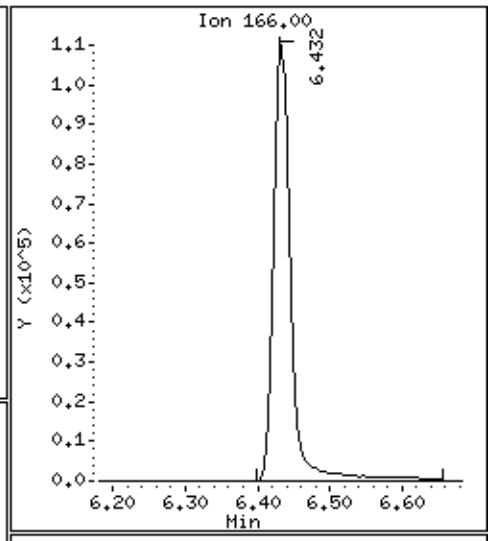
Column phase: DB-624

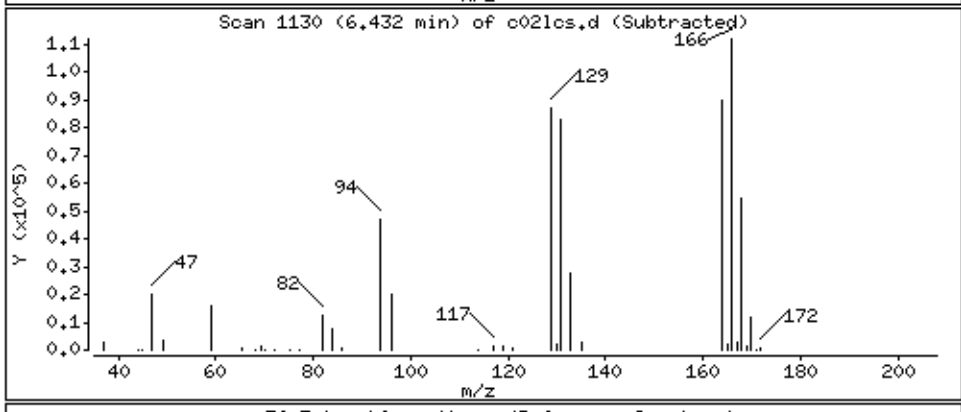
Column diameter: 0.18

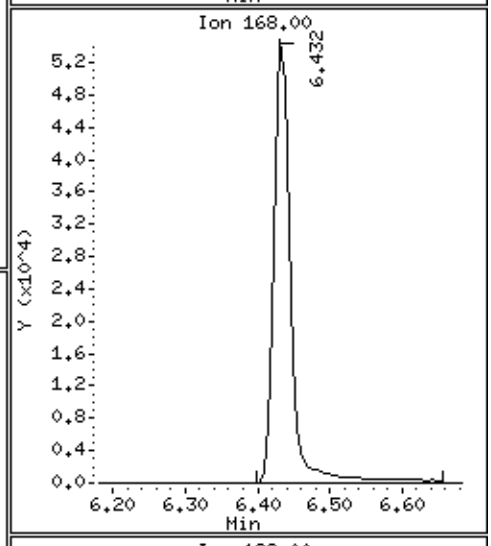
56 Tetrachloroethene

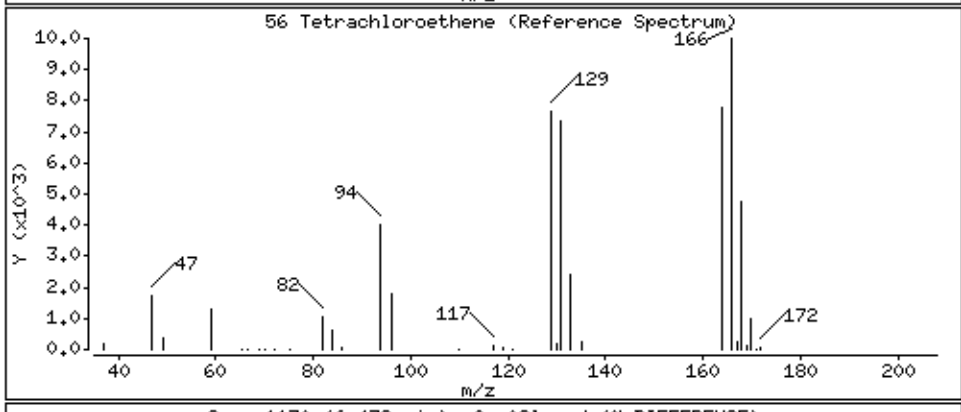
Concentration: 47.5 ppb

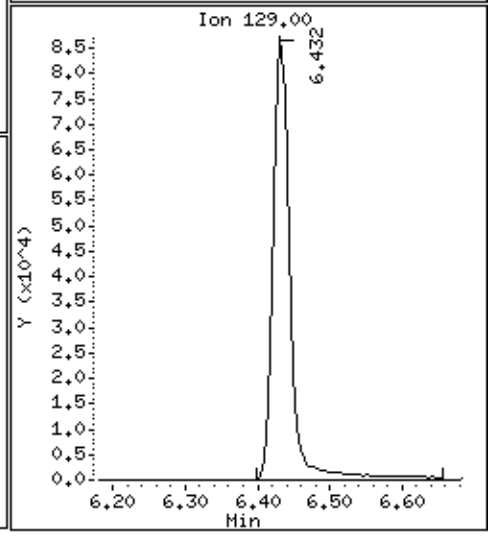


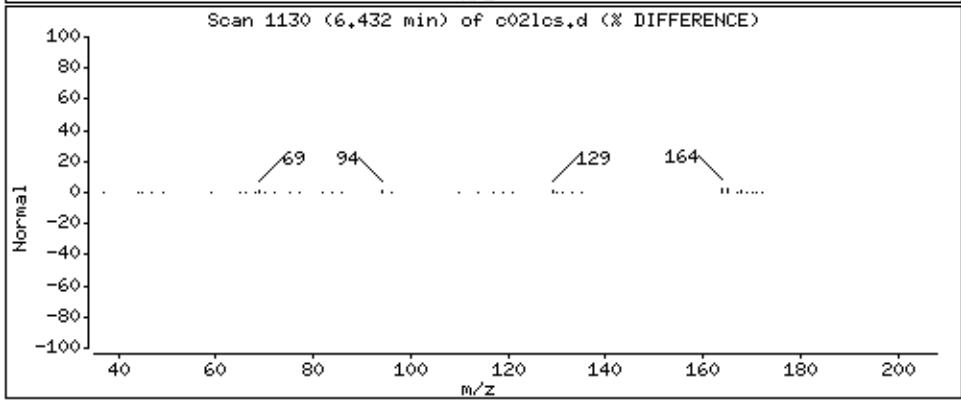












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

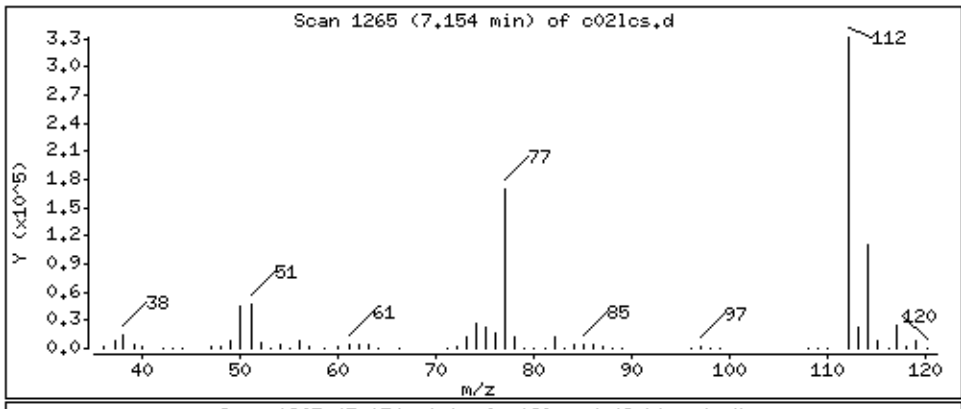
Operator: ala

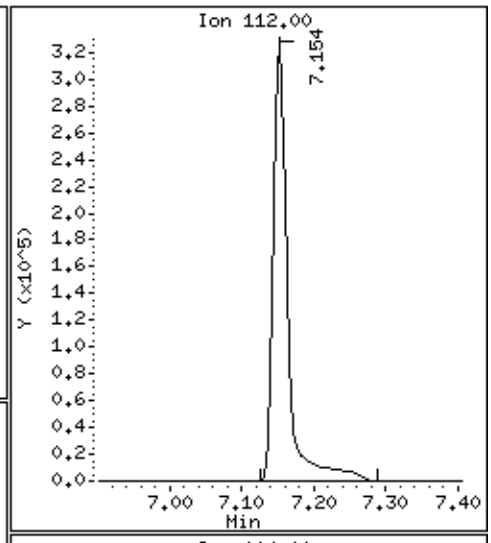
Column phase: DB-624

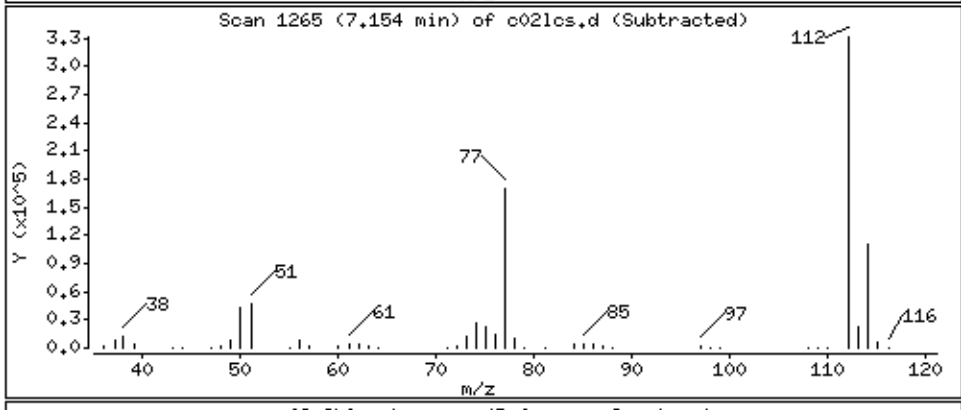
Column diameter: 0.18

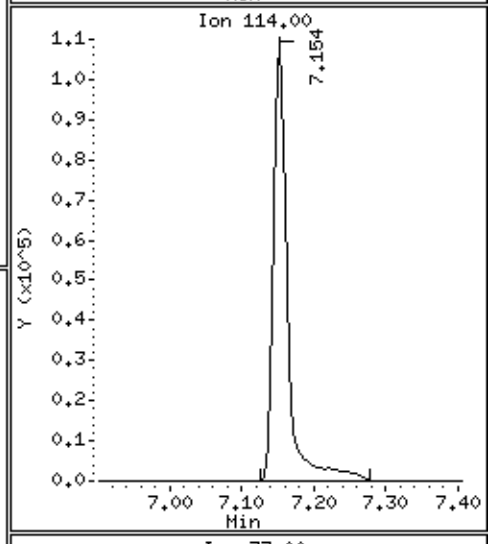
62 Chlorobenzene

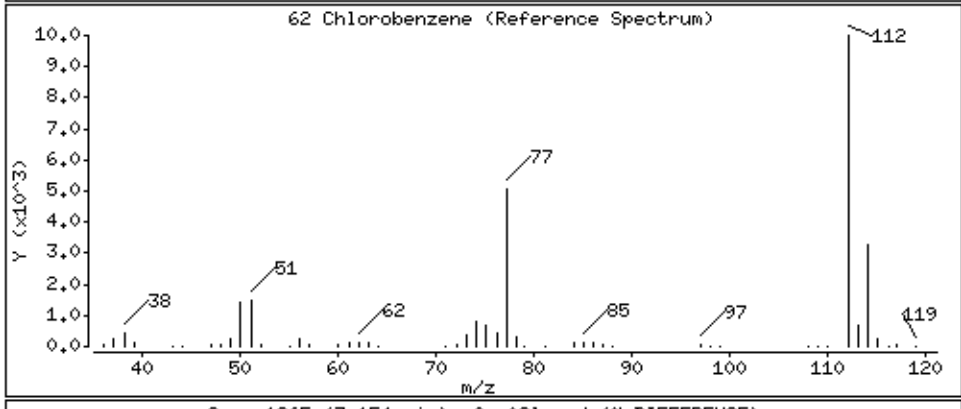
Concentration: 47.2 ppb

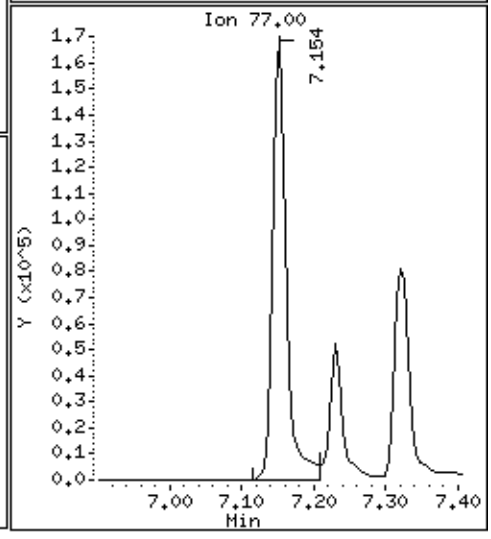


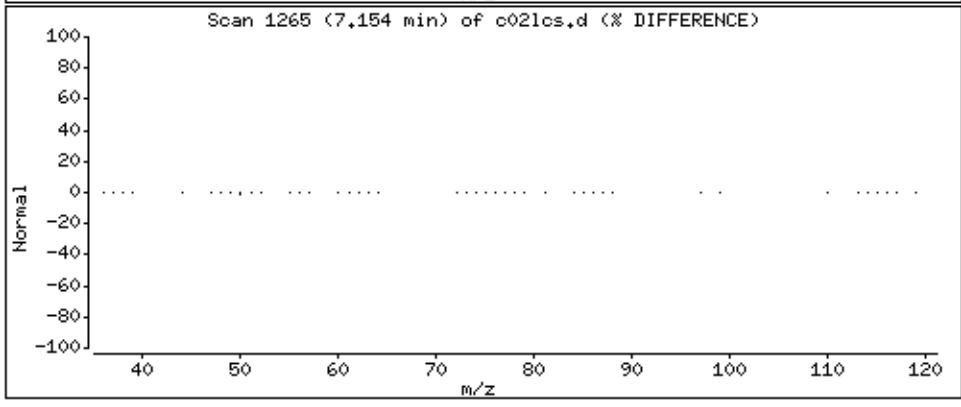












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

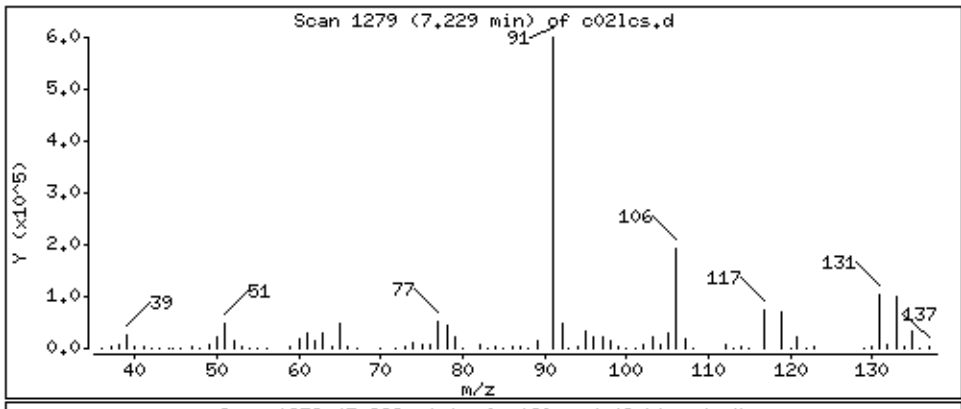
Operator: ala

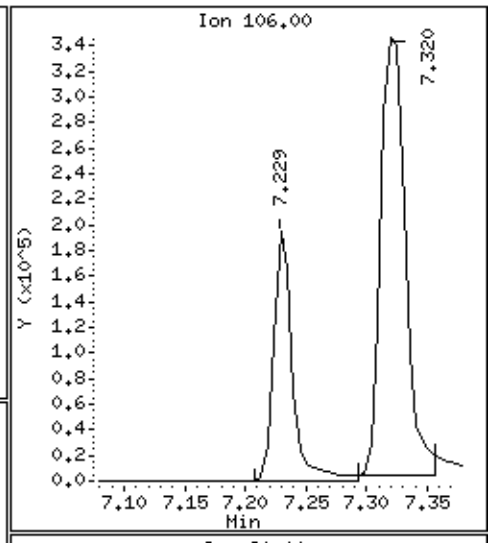
Column phase: DB-624

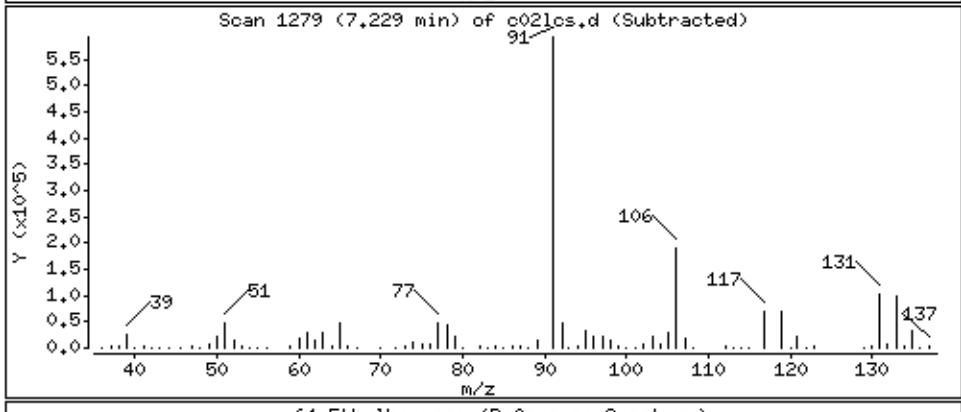
Column diameter: 0.18

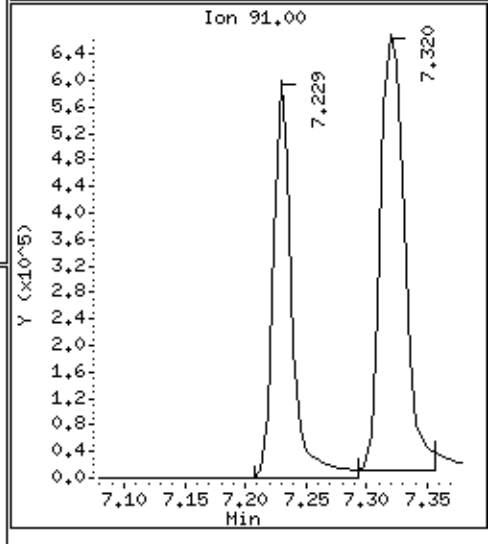
64 Ethylbenzene

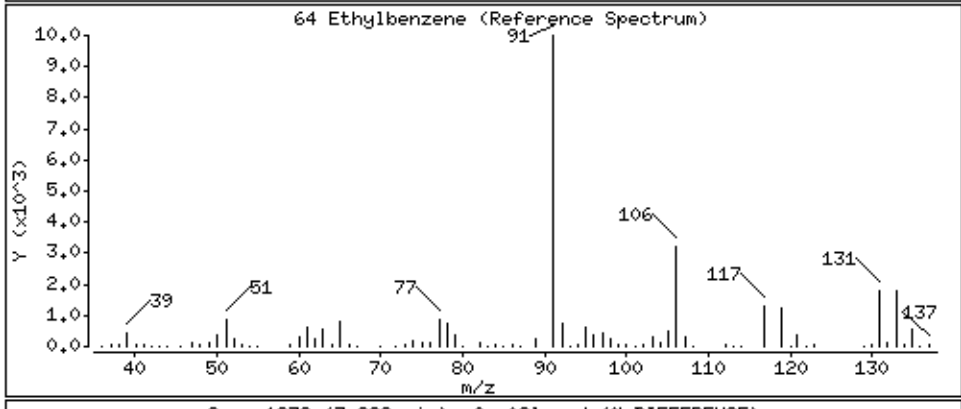
Concentration: 46.1 ppb

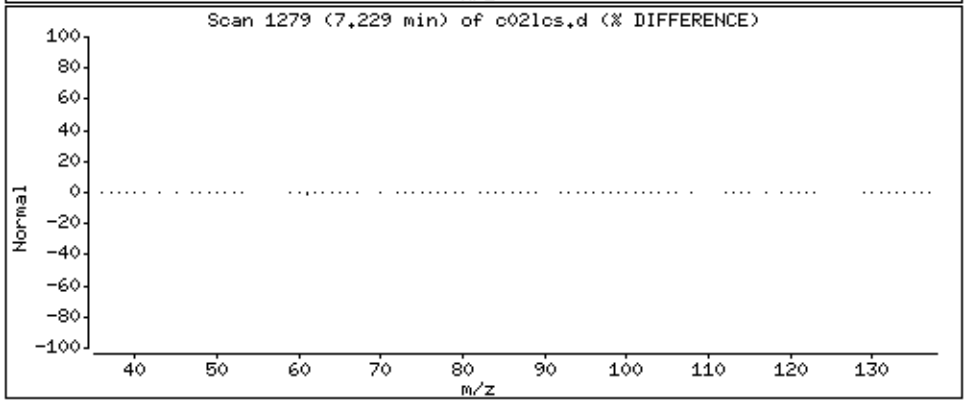












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

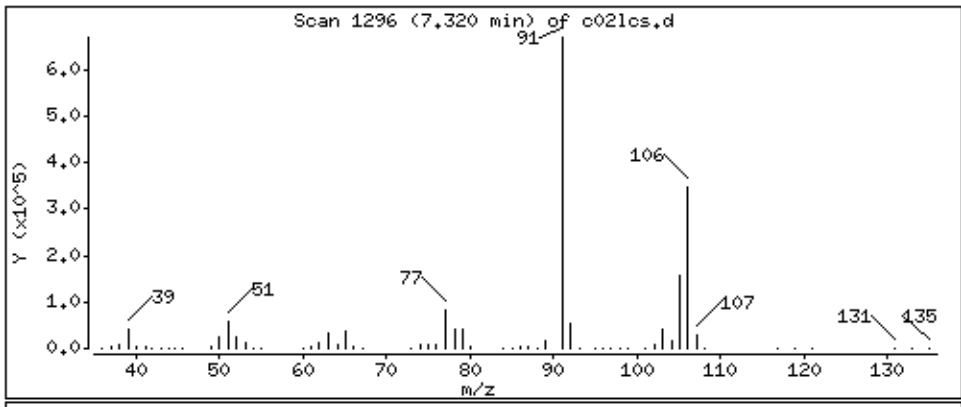
Operator: ala

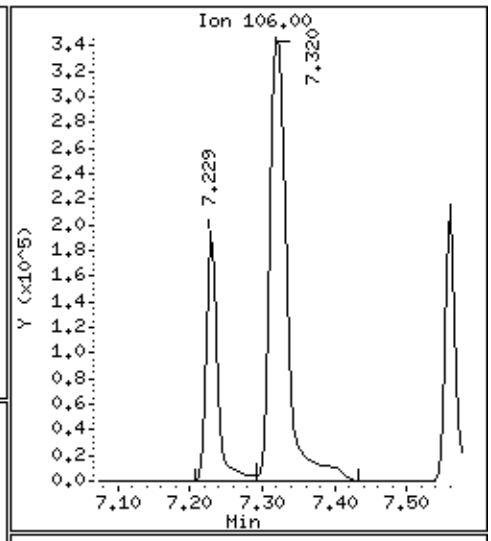
Column phase: DB-624

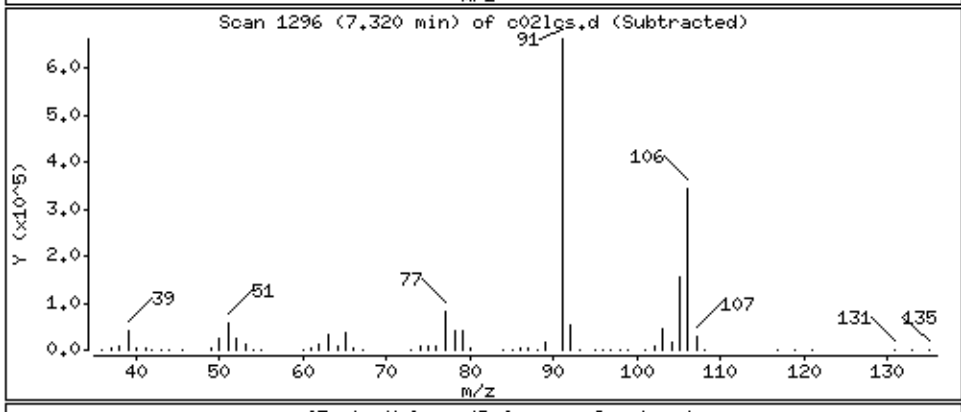
Column diameter: 0.18

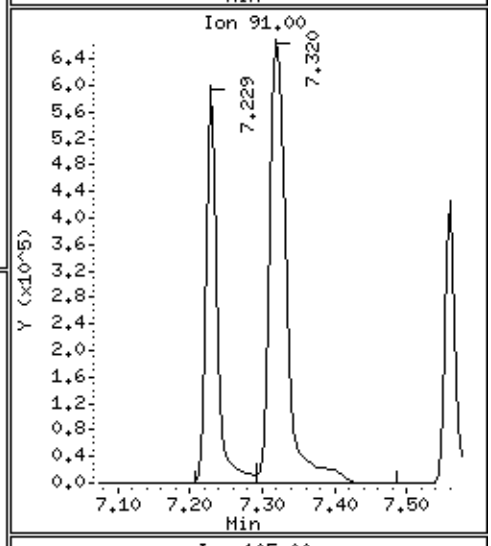
65 m&p-Xylene

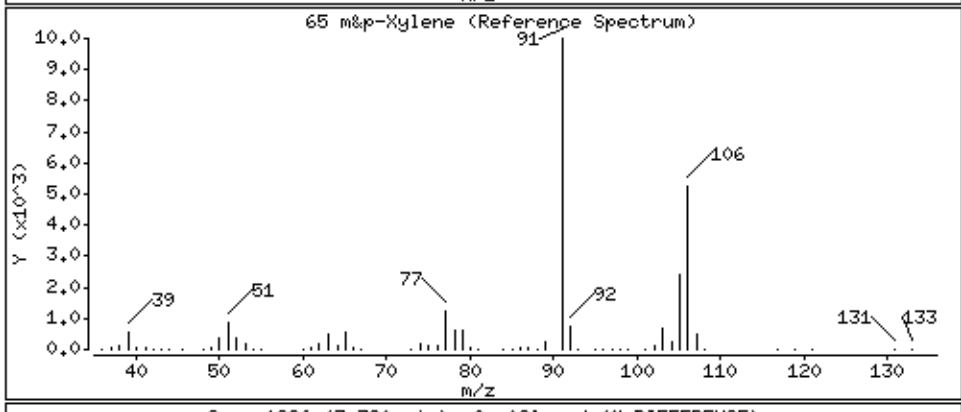
Concentration: 93.4 ppb

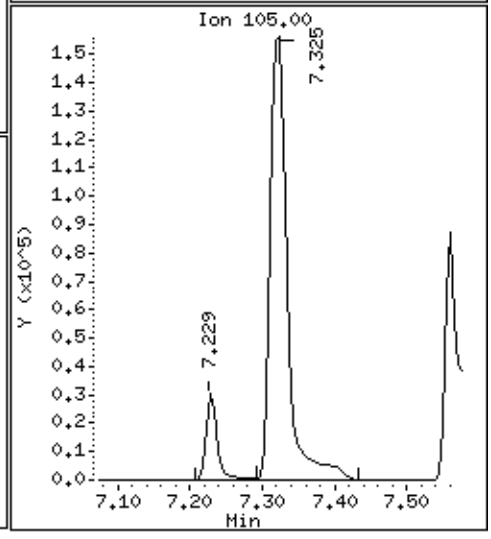


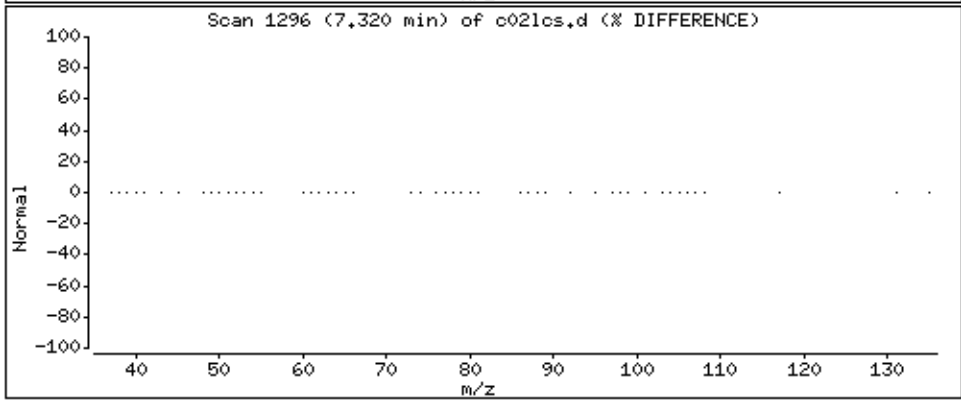












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

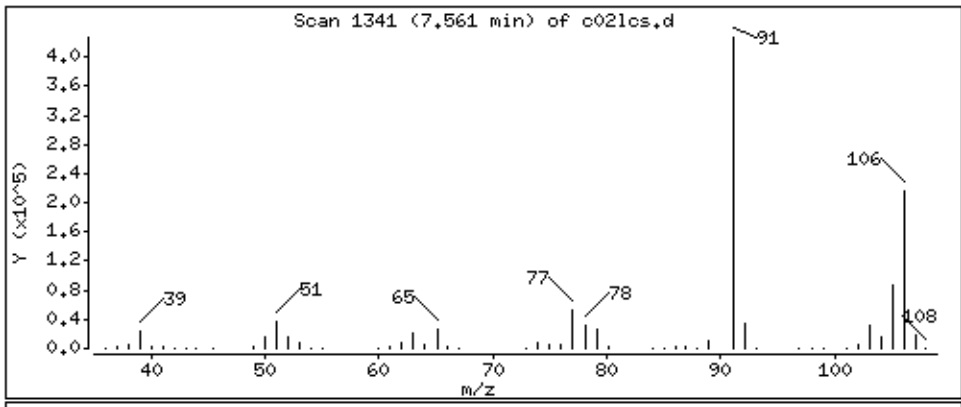
Operator: ala

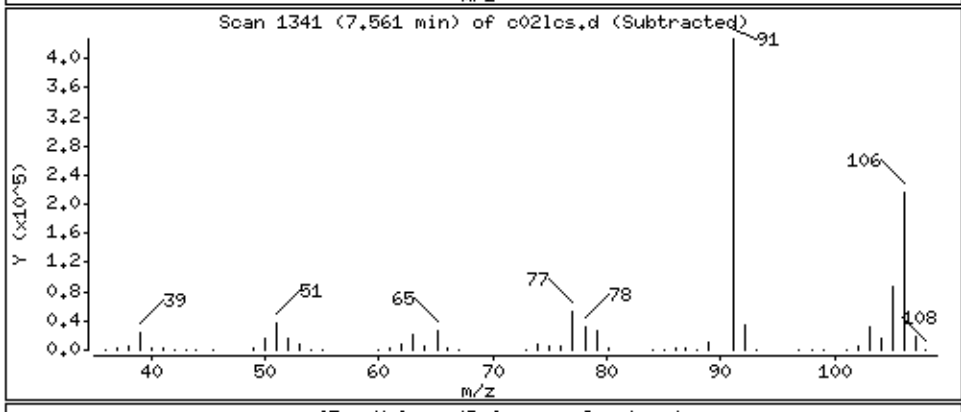
Column phase: DB-624

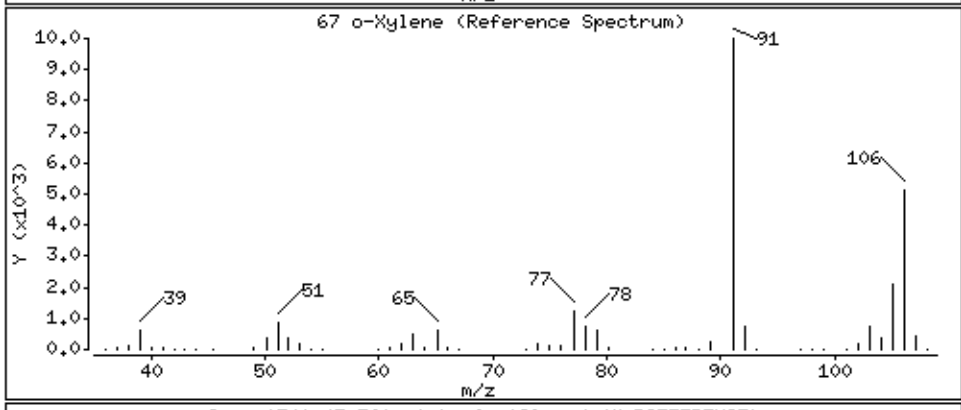
Column diameter: 0.18

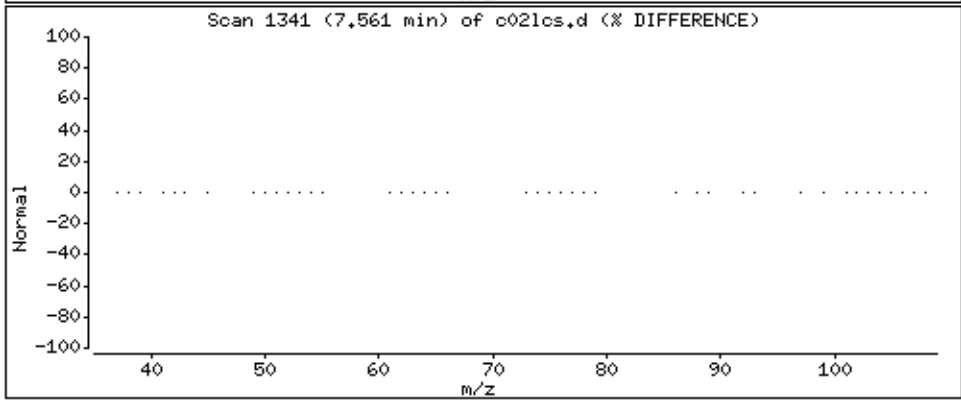
67 o-Xylene

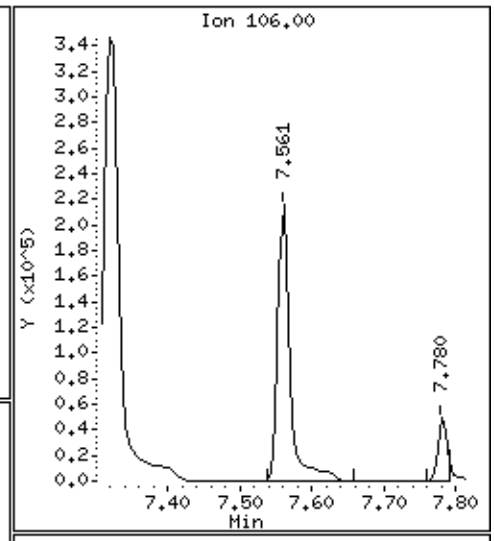
Concentration: 48.6 ppb

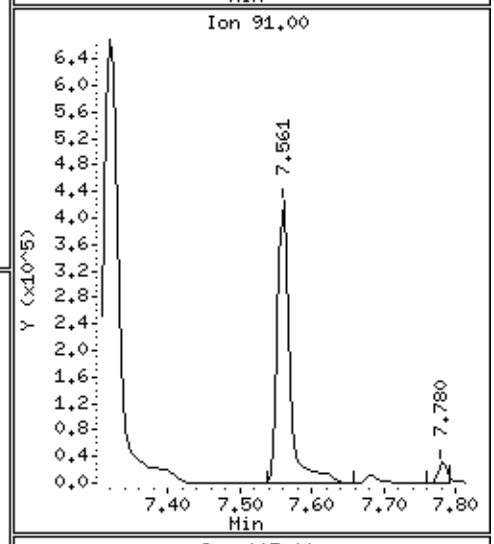


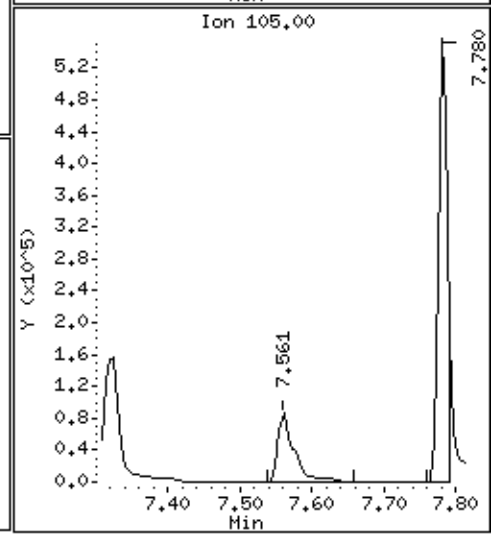












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

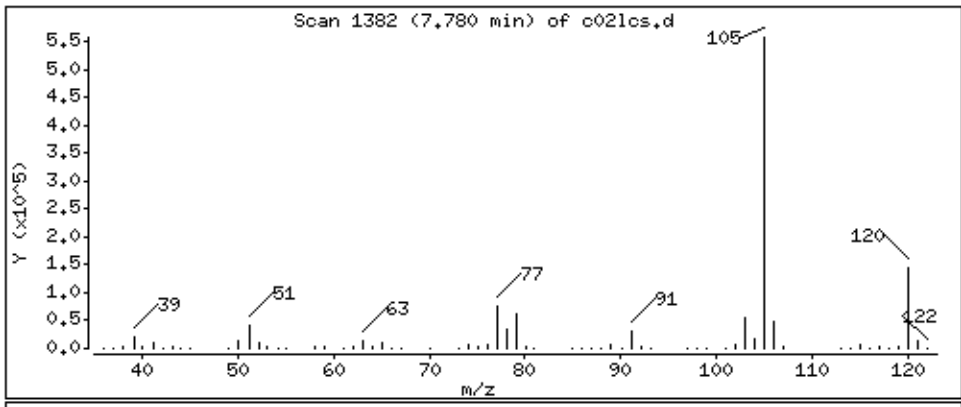
Operator: ala

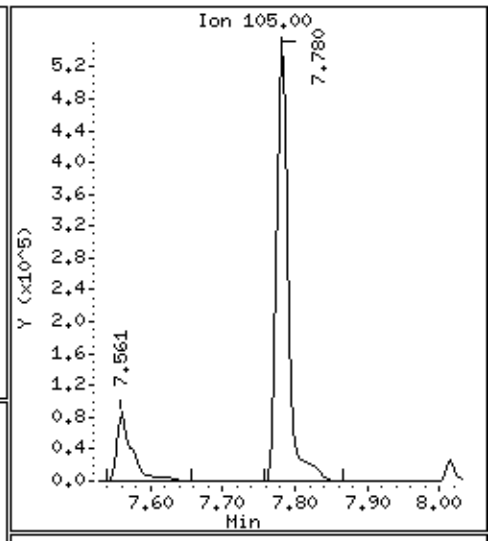
Column phase: DB-624

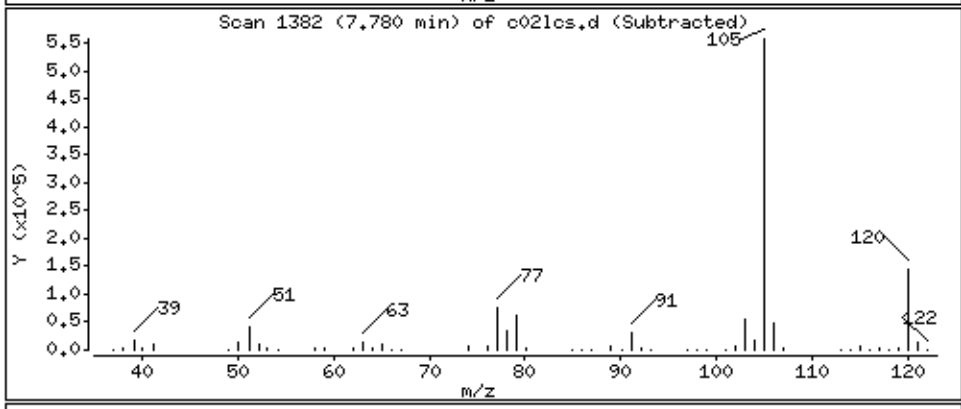
Column diameter: 0.18

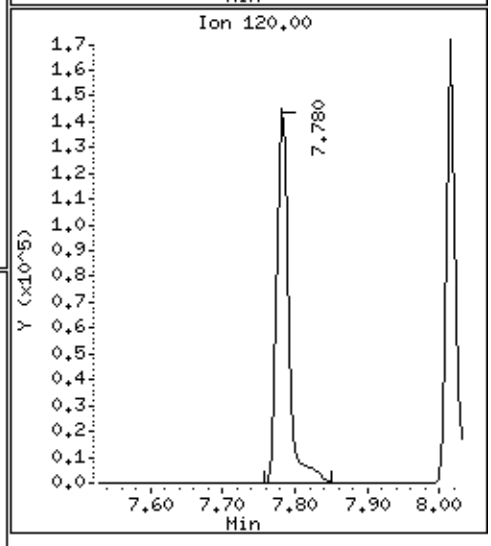
70 Isopropylbenzene

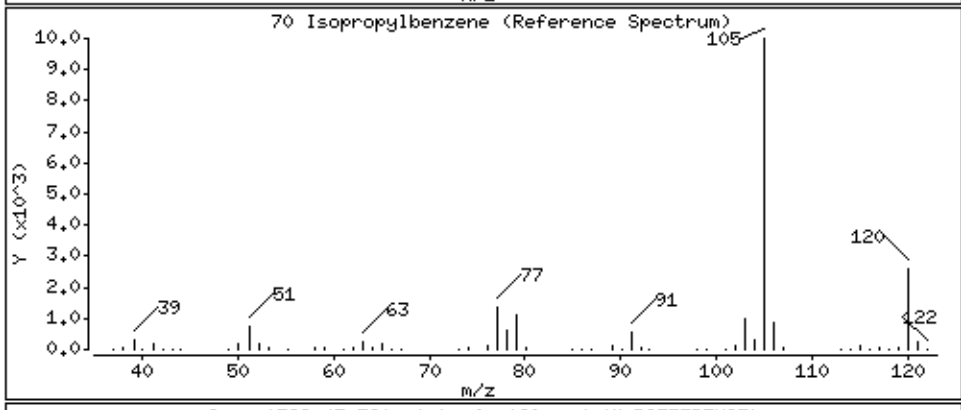
Concentration: 48.3 ppb

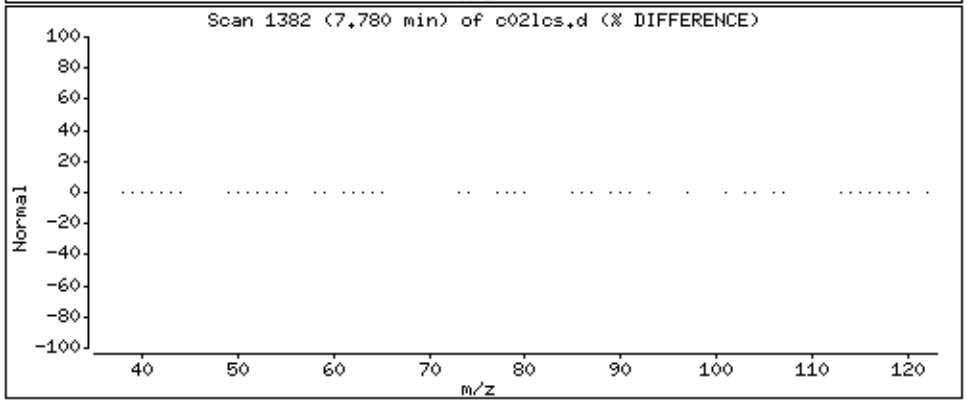












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Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

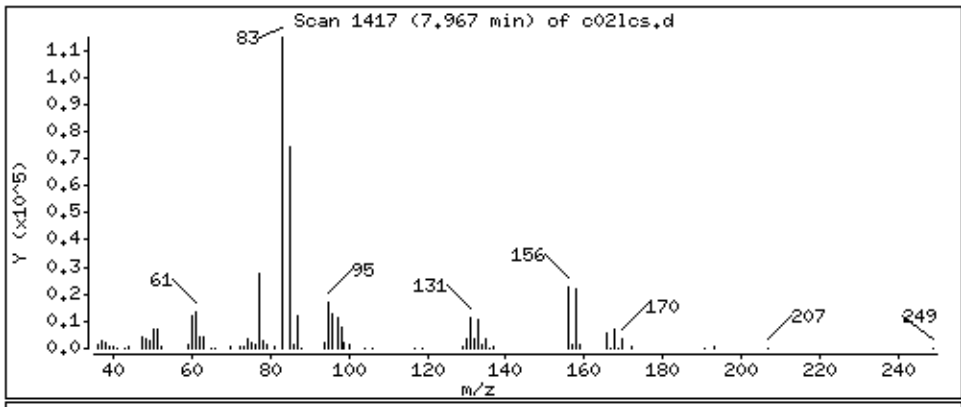
Operator: ala

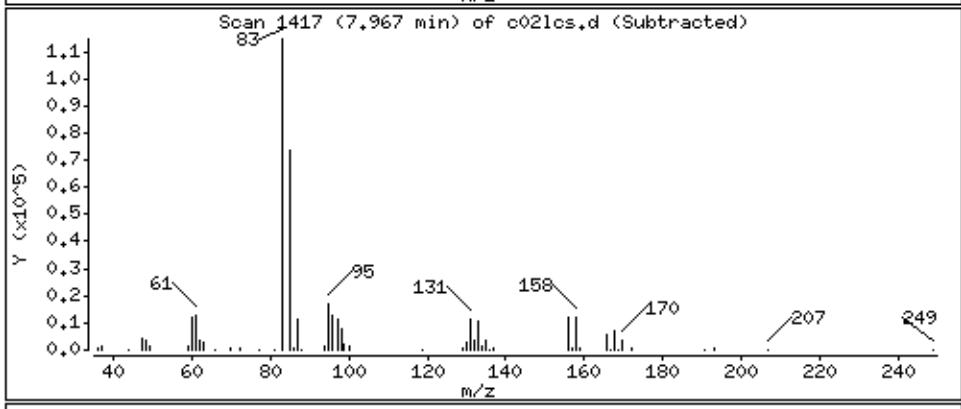
Column phase: DB-624

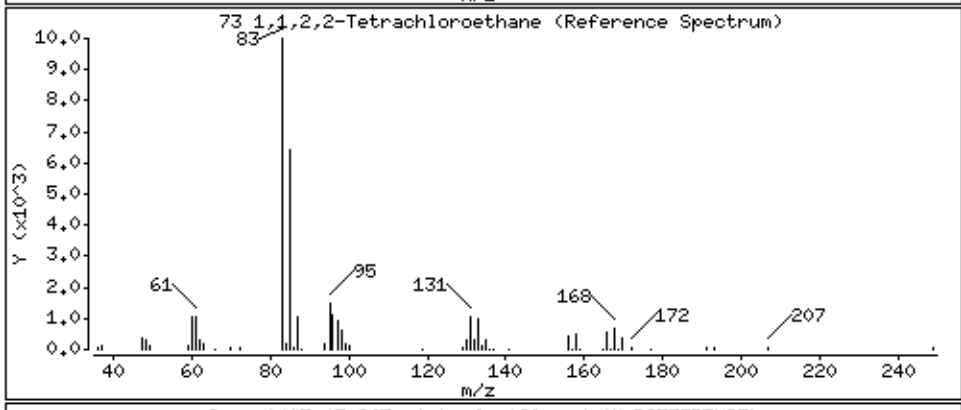
Column diameter: 0.18

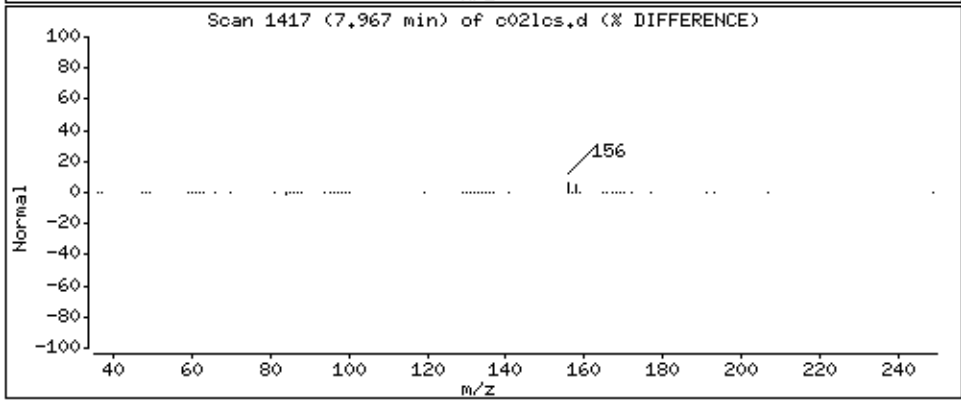
73 1,1,2,2-Tetrachloroethane

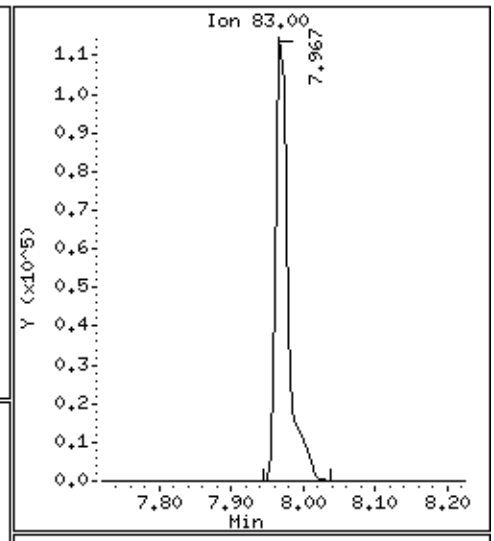
Concentration: 46.6 ppb

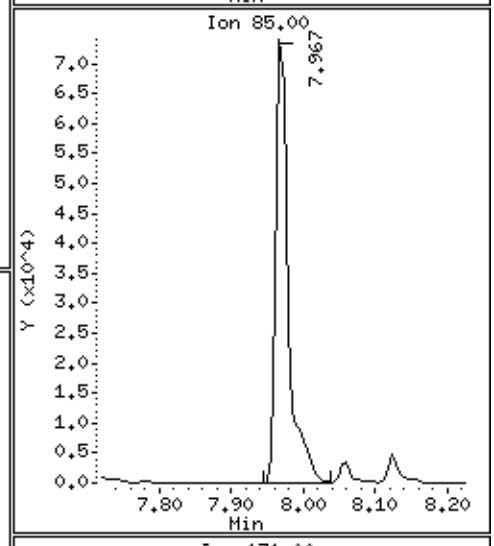


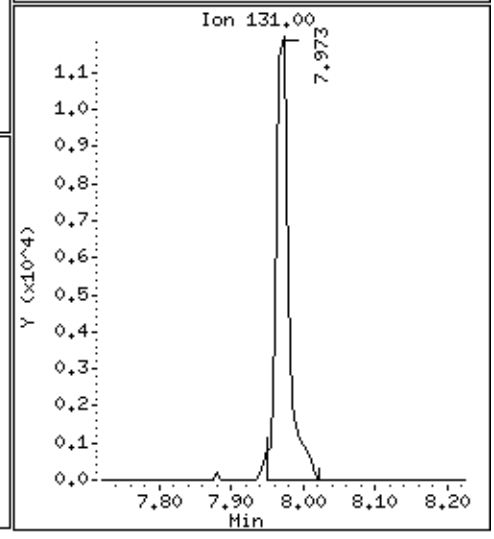












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

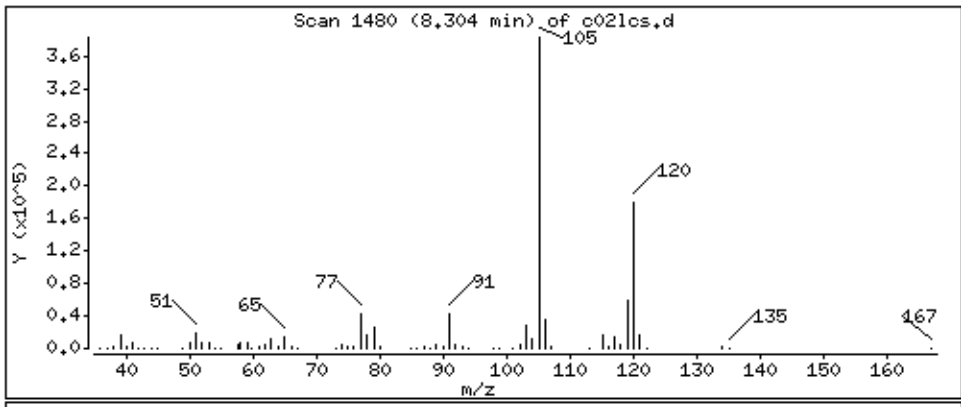
Operator: ala

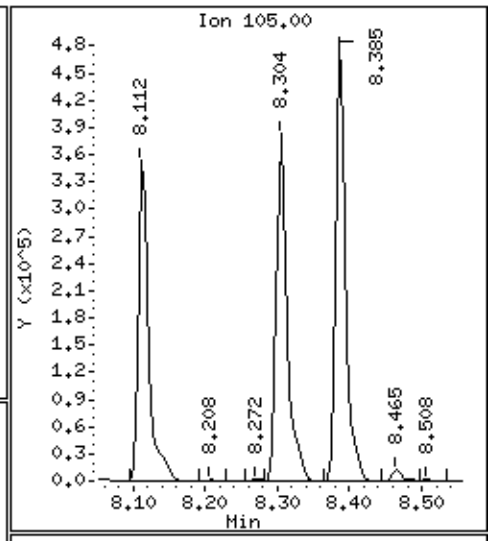
Column phase: DB-624

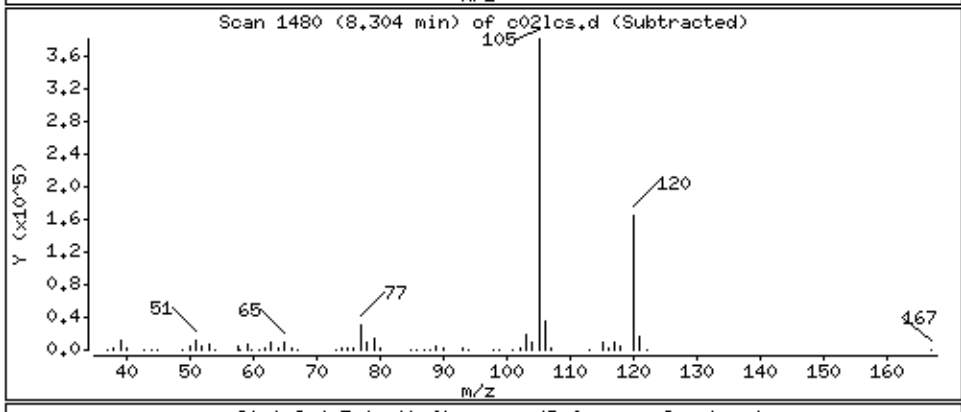
Column diameter: 0.18

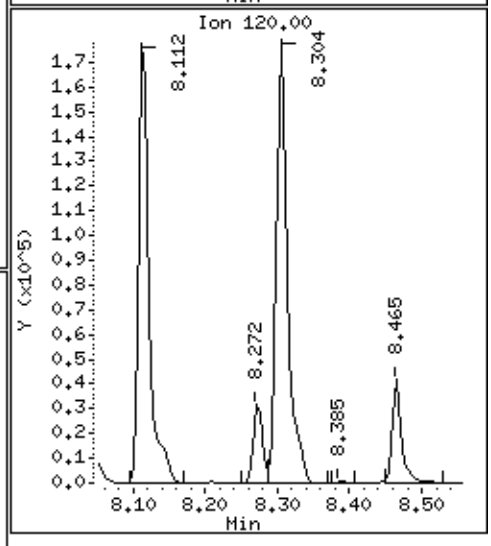
81 1,2,4-Trimethylbenzene

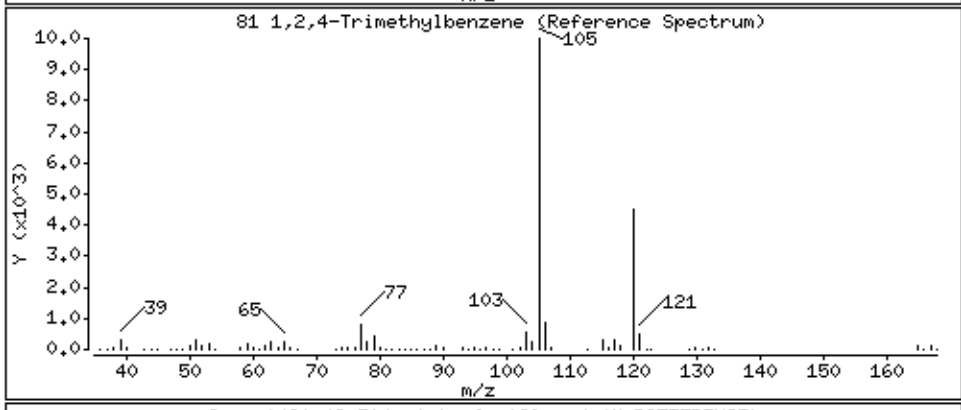
Concentration: 38.7 ppb

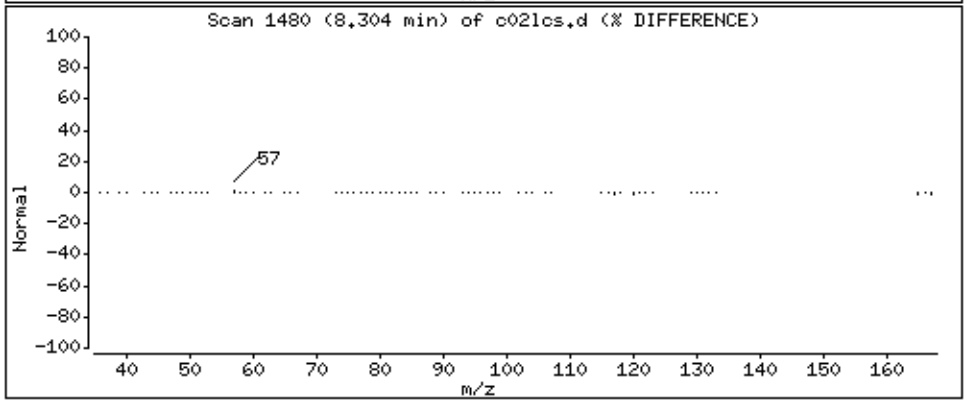












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b\c02lcs.d

Date : 04-JUL-2014 04:18

Client ID: MBLCS

Instrument: 50mv6b.i

Sample Info: 1123227,71787:5

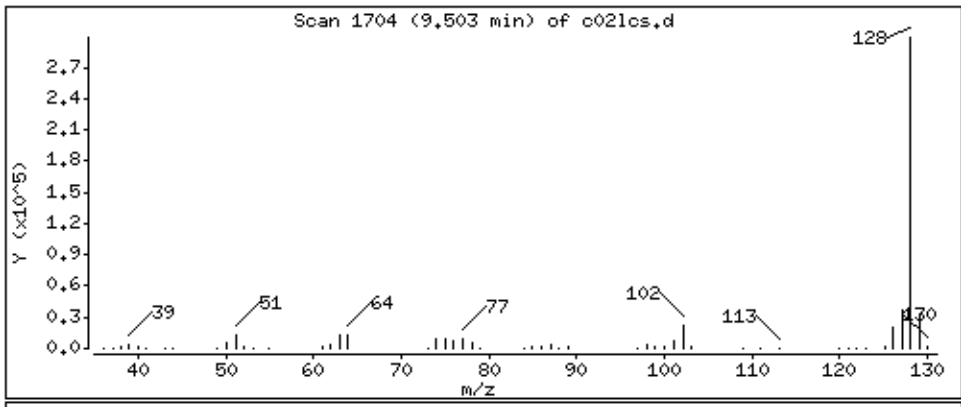
Operator: ala

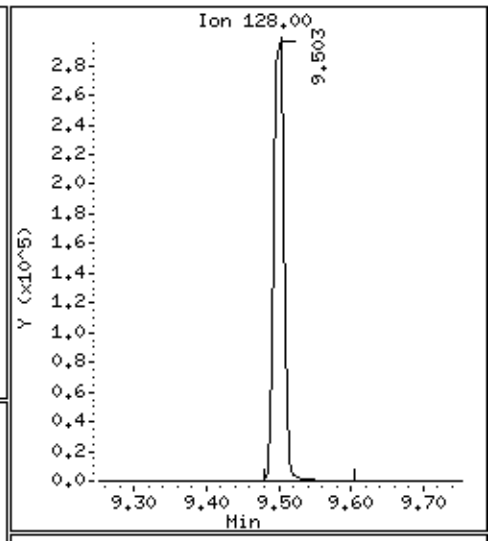
Column phase: DB-624

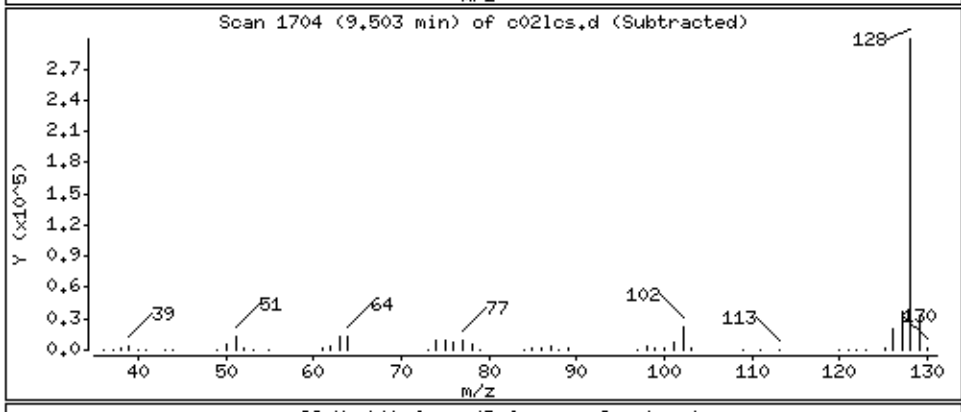
Column diameter: 0.18

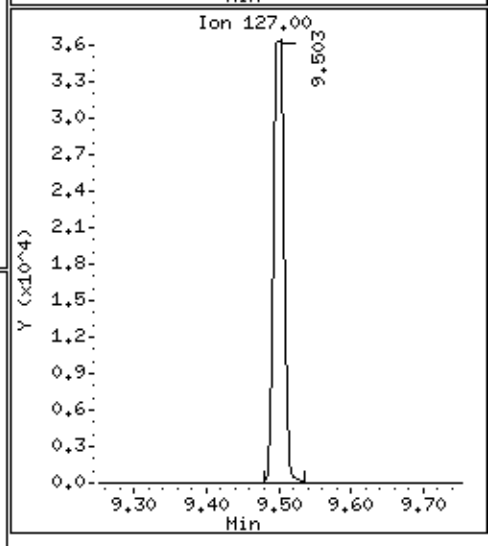
92 Naphthalene

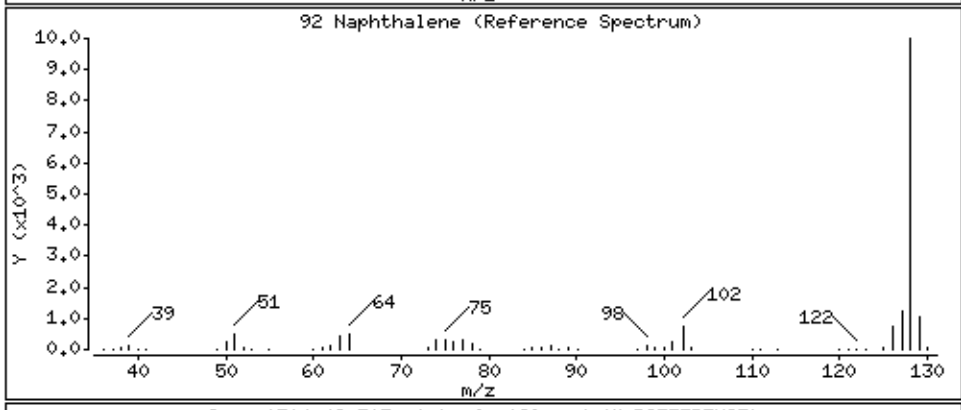
Concentration: 47.4 ppb

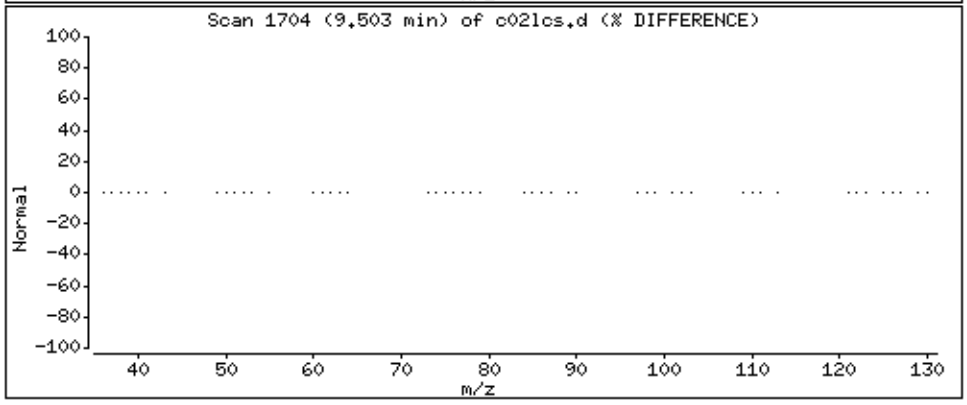












Data File: \\192.168.50.6\chem\50mv6b.i\b070314cal.b/c02lcs.d
Injection Date: 04-JUL-2014 04:18
Instrument: 50mv6b.i
Lab Sample ID: 1123227
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot: 70890:5
Tune std: _____ — Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71815:	L/66433	BFB	1	7	-bfb/all	7/02/14 15:43	ala	
1/a01ccv	8260-CCV,71705:0	L/65982	CCALIB_6	1	7	-b8260sl_a_c/all	7/02/14 16:10	ala	Opening QC failed -
1/a02lcs	LCS ~71089:5	L/	LCS	1	7	-b8260sl_a_c/all	7/02/14 16:37	ala	not used ↓
1/a03mb	BLANK	L/	BLANK	1	7	-b8260sl_a_c/all	7/02/14 17:04	ala	
1/a04.d	8260-CAL1,71816:	L/66433	CALIB_1	1	<2	-b8260sl_a_c/all	7/02/14 17:34	ala	curve not a due to QC failure
1/a05.d	8260-CAL2,71817:	L/66433	CALIB_2	1	<2	-b8260sl_a_c/all	7/02/14 18:01	ala	
1/a06.d	8260-CAL3,71818:	L/66433	CALIB_3	1	<2	-b8260sl_a_c/all	7/02/14 18:29	ala	
1/a07.d	8260-CAL4,71819:	L/66433	CALIB_4	1	<2	-b8260sl_a_c/all	7/02/14 18:56	ala	* Bromomethane
1/a08.d	8260-CAL5,71820:	L/66433	CALIB_5	1	<2	-b8260sl_a_c/all	7/02/14 19:23	ala	ID only in curve
1/a09.d	8260-CAL6,71821:	L/66433	CALIB_6	1	<2	-b8260sl_a_c/all	7/02/14 19:51	ala	
1/a09ccv.d	8260-CCV,71825:0	L/66433	CCALIB_6	1	7	-b8260sl_a_c/all	7/02/14 19:51	ala	midpoint used as CCV
1/a10.d	8260-CAL7,71822:	L/66433	CALIB_7	1	<2	-b8260sl_a_c/all	7/02/14 20:18	ala	
1/a11.d	8260-CAL8,71823:	L/66433	CALIB_8	1	<2	-b8260sl_a_c/all	7/02/14 20:45	ala	
1/a12mb.d	BLANK	L/	BLANK	1	7	-b8260sl_a_c/all	7/02/14 21:12	ala	
1/a13icv.d	8260-ICV,71824:0	L/66433	ICV	1	~~<2~~	-b8260sl_a_c/all	7/02/14 21:40	ala	
1/a14lcs.d	1122263,71693:5	S/66434	LCS	1		-b8260sl_a_c/8260ss	7/02/14 22:07	ala	
1/a15mb.d	1122262	S/66434	BLANK	1		-b8260sl_a_c/all	7/02/14 22:34	ala	
1/a16.d	5099605001x50	S/66434	SAMPLE	50		-b8260sl_a_c/all	7/02/14 23:01	ala	
1/a17	5099605001x1000	S/66434	SAMPLE	1000		-b8260sl_a_c/all	7/02/14 23:28	ala	NT needed
1/a18.d	5099605004x50	S/66434	SAMPLE	50		-b8260sl_a_c/all	7/02/14 23:56	ala	
1/a19.d	5099605004x1000	S/66434	SAMPLE	1000		-b8260sl_a_c/all	7/03/14 00:23	ala	results cof by C14
1/a20.d	5099605008x50	S/66434	SAMPLE	50		-b8260sl_a_c/all	7/03/14 00:50	ala	
1/a21.d	5099605008x1000	S/66434	SAMPLE	1000		-b8260sl_a_c/all	7/03/14 01:18	ala	
1/a22.d	5099605012x50	S/66434	SAMPLE	50		-b8260sl_a_c/all	7/03/14 01:45	ala	
1/a23	5099605012x1000	S/66434	SAMPLE	1000		-b8260sl_a_c/all	7/03/14 02:13	ala	NT needed
1/c00bfb.d	8260-TUNE,70897:	L/66433	BFB	1	7	-bfb/all	7/03/14 02:40	ala	
1/c01ccv.d	8260-CCV,71825:0	L/66433	CCALIB_6	1	7	-b8260sl_a_c/all	7/03/14 03:07	ala	
1/c02lcs	LCS,71089:5	S/	LCS	1		-b8260sl_a_c/8260ss	7/03/14 03:34	ala	3 out low - unreq Md
1/c03mb.d	1122597	S/66448	BLANK	1		-b8260sl_a_c/all	7/03/14 04:02	ala	used to make LCS - see
1/c04.d	5099351003	L/66436	SAMPLE	1	~~<2~~	-b8260sl_a_c/all	7/03/14 04:29	ala	TC-kit C17
1/c05.d	5099605003	S/66435	SAMPLE	1		-b8260sl_a_c/all	7/03/14 04:56	ala	
1/c06.d	5099605005	S/66435	SAMPLE	1		-b8260sl_a_c/all	7/03/14 05:24	ala	
1/c07.d	5099605006	S/66435	SAMPLE	1		-b8260sl_a_c/all	7/03/14 05:51	ala	

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:23 07/03/2014

* Running C-2 only

DD 7.3.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 70890:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date Time	Oper	Comments
1/c08.d	5099605007	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 06:18	ala	
1/c09.d	5099605009	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 06:45	ala	
1/c10.d	5099605010	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 07:13	ala	
1/c11.d	5099605013	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 07:40	ala	
1/c12.d	1122266,71693:5	S/66435	MS	1		-b8260sl_a_c/8260ss 7/03/14 08:07	ala	
1/c13.d	1122267,71693:5	S/66435	MSD	1		-b8260sl_a_c/8260ss 7/03/14 08:35	ala	
1/c14.d	5099765001	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 09:02	ala	
1/c15.d	5099765002	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 09:29	ala	
1/c16.d	5099765003	S/66435	SAMPLE	1		-b8260sl_a_c/all 7/03/14 09:56	ala	
1/c17lcs.d	1122598,71693:5	S/66448	LCS	1		-b8260sl_a_c/8260ss 7/03/14 10:24	ala	using this LCS for run
1/c18.d	50100279007	S/66447	SAMPLE	1		-b8260sl_a_c/ust 7/03/14 10:51	ala	
1/c19.d	50100279008	S/66447	SAMPLE	1		-b8260sl_a_c/ust 7/03/14 11:18	ala	
1/c20.d	50100279009	S/66447	SAMPLE	1		-b8260sl_a_c/ust 7/03/14 11:46	ala	
1/c21.d	50100276007	S/66448	SAMPLE	1		-b8260sl_a_c/all 7/03/14 12:13	ala	
1/c22.d	1122599,71693:5	S/66448	MS	1		-b8260sl_a_c/8260ss 7/03/14 12:40	ala	
1/c23.d	1122600,71693:5	S/66448	MSD	1		-b8260sl_a_c/8260ss 7/03/14 13:08	ala	
1/c24.d	5099605004x2000	S/66434	SAMPLE	2000		-b8260sl_a_c/all 7/03/14 13:35	ala	results used to calc. a19

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:23 07/03/2014

Page: 2

AA
7.314

ERROR - duplicate filenames have been selected!

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71922:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71923:	L/66491	BFB	1	7	-bfb/all 7/03/14 16:56	ala	
1/a01.d	8260-CAL1,71924:	L/66491	CALIB_1	1	<2	-b8260sl_a_c/all 7/03/14 17:23	ala	* curve put on due
1/a02.d	8260-CAL2,71925:	L/66491	CALIB_2	1	<2	-b8260sl_a_c/all 7/03/14 17:51	ala	to QC failure
1/a03.d	8260-CAL3,71926:	L/66491	CALIB_3	1	<2	-b8260sl_a_c/all 7/03/14 18:18	ala	
1/a04.d	8260-CAL4,71927:	L/66491	CALIB_4	1	<2	-b8260sl_a_c/all 7/03/14 18:45	ala	
1/a05.d	8260-CAL5,71928:	L/66491	CALIB_5	1	<2	-b8260sl_a_c/all 7/03/14 19:13	ala	
1/a06.d	8260-CAL6,71929:	L/66491	CALIB_6	1	<2	-b8260sl_a_c/all 7/03/14 19:40	ala	
1/a06ccv.d	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all 7/03/14 19:40	ala	mid point used as CCV
1/a07.d	8260-CAL7,71930:	L/66491	CALIB_7	1	<2	-b8260sl_a_c/all 7/03/14 20:07	ala	
1/a08.d	8260-CAL8,71931:	L/66491	CALIB_8	1	<2	-b8260sl_a_c/all 7/03/14 20:34	ala	
1/a09mb.d	BLANK	L/	BLANK	1	7	-b8260sl_a_c/all 7/03/14 21:02	ala	
1/a10icv.d	8260-ICV,71932:0	L/66491	ICV	1	<2	-b8260sl_a_c/all 7/03/14 21:29	ala	
1/a11lcs.d	1123195,71787:5	S/66492	LCS	1		-b8260sl_a_c/8260ss 7/03/14 21:56	ala	
1/a12mb.d	1123194	S/66492	BLANK	1		-b8260sl_a_c/all 7/03/14 22:23	ala	
1/a13.d	5099765004	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/03/14 22:50	ala	
1/a14.d	5099765005	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/03/14 23:18	ala	
1/a15.d	5099765006	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/03/14 23:45	ala	
1/a16.d	5099765007	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 00:12	ala	
1/a17.d	5099765008	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 00:39	ala	
1/a18.d	5099765009	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 01:06	ala	
1/a19.d	5099765010	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 01:34	ala	
1/a20.d	5099765011	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 02:01	ala	
1/a21.d	5099765012	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 02:28	ala	
1/a22.d	5099765013	S/66492	SAMPLE	1		-b8260sl_a_c/all 7/04/14 02:56	ala	
1/c00bfb.d	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all 7/04/14 03:23	ala	
1/c01ccv.d	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all 7/04/14 03:51	ala	
1/c02lcs.d	1123225,71787:5	S/66496	LCS	1		-b8260sl_a_c/8260ss 7/04/14 04:18	ala	
1/c03mb.d	1123224	S/66496	BLANK	1		-b8260sl_a_c/all 7/04/14 04:45	ala	
1/c04.d	5099765014	S/66496	SAMPLE	1		-b8260sl_a_c/all 7/04/14 05:12	ala	
1/c05.d	5099765015	S/66496	SAMPLE	1		-b8260sl_a_c/all 7/04/14 05:40	ala	
1/c06.d	5099765016	S/66496	SAMPLE	1		-b8260sl_a_c/all 7/04/14 06:07	ala	
1/c07.d	50100003001	S/66496	SAMPLE	1		-b8260sl_a_c/all 7/04/14 06:34	ala	
1/c08.d	50100003002	S/66496	SAMPLE	1		-b8260sl_a_c/all 7/04/14 07:02	ala	

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070314cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 16:00 07/04/2014

* Running C-2 only

AA 7.4.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71922:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date	Time	Oper	Comments
1/c09.d	50100003003	S/66496	SAMPLE	1		-b8260sl_a_c/all	7/04/14 07:29	ala	
1/c10.d	50100003004	S/66496	SAMPLE	1		-b8260sl_a_c/all	7/04/14 07:56	ala	bad purge - MB-LY
1/c11.d	50100003005	S/66496	SAMPLE	1		-b8260sl_a_c/all	7/04/14 08:24	ala	
1/c12.d	50100003006	S/66496	SAMPLE	1		-b8260sl_a_c/all	7/04/14 08:51	ala	
1/c13.d	5099875001	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 09:18	ala	
1/c14.d	5099875002	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 09:46	ala	
1/c15.d	1123228,71787:5	S/66497	MS	1		-b8260sl_a_c/8260ss	7/04/14 10:13	ala	
1/c16.d	1123229,71787:5	S/66497	MSD	1		-b8260sl_a_c/8260ss	7/04/14 10:40	ala	
1/c17.d	5099875003	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 11:08	ala	
1/c18.d	5099875004	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 11:36	ala	
1/c19.d	5099875009	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 12:03	ala	
1/c20.d	5099875010	S/66497	SAMPLE	1		-b8260sl_a_c/all	7/04/14 12:31	ala	

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070314cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 16:01 07/04/2014

AA 7.4.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std:

Method:

Surr. lot: 71922:5
Cal. std:

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all	7/04/14	14:06	ala	
1/a01ccv.d	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/04/14	14:34	ala	CCV-out for many cmpds - not used
1/a02ccv.d	8260-CCV,71935:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/04/14	15:01	ala	using LCS as CCV
1/a02lcs.d	1123259,71787:5	L/66507	LCS	1	7	-b8260sl_a_c/8260ss	7/04/14	15:01	ala	
1/a03mb.d	1123258	L/66507	BLANK	1	7	-b8260sl_a_c/all	7/04/14	15:28	ala	
1/a04.d	5099815001	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	15:56	ala	
1/a05.d	1123260,71787:5	L/66507	MS	1	<2	-b8260sl_a_c/8260ss	7/04/14	16:23	ala	
1/a06.d	1123261,71787:5	L/66507	MSD	1	<2	-b8260sl_a_c/8260ss	7/04/14	16:50	ala	
1/a07.d	5099815001x20	L/66507	SAMPLE	20	<2	-b8260sl_a_c/all	7/04/14	17:17	ala	
1/a08.d	5099815002	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	17:44	ala	
1/a09.d	5099815003	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	18:12	ala	
1/a10.d	5099815004	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	18:39	ala	
1/a11.d	5099815005	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	19:06	ala	
1/a12.d	5099815006	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	19:34	ala	
1/a13.d	5099815007	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	20:01	ala	
1/a14.d	5099815008	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	20:28	ala	
1/a15.d	5099815009	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	20:55	ala	
1/a16.d	5099815010	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	21:23	ala	
1/a17.d	5099815011	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	21:50	ala	
1/a18.d	5099815012	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	22:17	ala	
1/a19.d	5099875007	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	22:44	ala	
1/a20.d	5099875008	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	23:12	ala	
1/a21.d	5099931001	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/04/14	23:39	ala	
1/a22.d	5099931002	L/66507	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	00:06	ala	
1/c00bfb.d	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all	7/05/14	00:33	ala	
1/c01ccv.d	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/05/14	01:00	ala	CCV-out for many cmpds - not used
1/c02ccv.d	8260-CCV,71935:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/05/14	01:27	ala	using LCS as CCV
1/c02lcs.d	1123267,71787:5	L/66510	LCS	1	7	-b8260sl_a_c/8260ss	7/05/14	01:27	ala	
1/c03mb.d	1123266	L/66510	BLANK	1	7	-b8260sl_a_c/all	7/05/14	01:54	ala	
1/c04lcs.d	1123263,71787:5	S/66508	LCS	1		-b8260sl_a_c/8260ss	7/05/14	02:22	ala	
1/c05mb.d	1123262	S/66508	BLANK	1		-b8260sl_a_c/all	7/05/14	02:49	ala	
1/c06.d	50100368001x25	S/66508	SAMPLE	25		-b8260sl_a_c/all	7/05/14	03:16	ala	
1/c07.d	50100368002x25	S/66508	SAMPLE	25		-b8260sl_a_c/all	7/05/14	03:43	ala	

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070414.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:35 07/07/2014

Page: 1

*Running C-2 only

AA
7.7.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: ____________

Method:

Surr. lot: 71922:5
Cal. std: ____________

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c08.d	50100368003x25	S/66508	SAMPLE	25		-b8260sl_a_c/all	7/05/14	04:11	ala	
1/c09.d	50100368004x25	S/66508	SAMPLE	25		-b8260sl_a_c/all	7/05/14	04:38	ala	
1/c10.d	50100003004x25	S/66509	SAMPLE	25		-b8260sl_a_c/all	7/05/14	05:05	ala	
1/c11.d	50100003007	L/66510	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	05:32	ala	pH?2
1/c12.d	50100003008	L/66510	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	05:59	ala	pH?2
1/c13.d	50100003009	L/66510	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	06:27	ala	
1/c14.d	50100003010	L/66510	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	06:54	ala	
1/c15.d	50100003011	L/66510	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	07:21	ala	
1/c16.d	5099931003	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	07:49	ala	
1/c17.d	5099931004	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	08:16	ala	
1/c18.d	5099931005	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	08:43	ala	
1/c19.d	5099931006	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	09:11	ala	
1/c20.d	5099931007	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	09:38	ala	
1/c21.d	1123270,71787:5	L/66511	MS	1	<2	-b8260sl_a_c/8260ss	7/05/14	10:05	ala	
1/c22.d	1123271,71787:5	L/66511	MSD	1	<2	-b8260sl_a_c/8260ss	7/05/14	10:32	ala	
1/c23.d	5099931008	L/66511	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	11:00	ala	
1/e00bfb(d)	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all	7/05/14	11:27	ala	BFB - ↓50 - Not used
1/e01bfb.d	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all	7/05/14	11:54	ala	using CCV as BFB
1/e01ccv(d)	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/05/14	11:54	ala	CCV out for many cmpds - not used
1/e02ccv.d	8260-CCV,71935:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all	7/05/14	12:22	ala	using LCS as CCV
1/e02lcs.d	1123273,71787:5	L/66512	LCS	1	7	-b8260sl_a_c/8260ss	7/05/14	12:22	ala	
1/e03mb.d	1123272	L/66512	BLANK	1	7	-b8260sl_a_c/all	7/05/14	12:49	ala	
1/e04.d	5099931009	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	13:17	ala	
1/e05.d	5099931010	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	13:44	ala	
1/e06.d	5099931011	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	14:11	ala	
1/e07.d	5099931012	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	14:38	ala	
1/e08.d	5099931013	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	15:06	ala	
1/e09.d	5099931014	L/66512	SAMPLE	1	<2	-b8260sl_a_c/all	7/05/14	15:33	ala	
1/e10.d	50100038001	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust	7/05/14	16:00	ala	
1/e11.d	50100038002	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust	7/05/14	16:28	ala	
1/e12.d	50100038003	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust	7/05/14	16:55	ala	
1/e13.d	50100038004	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust	7/05/14	17:22	ala	
1/e14.d	50100038005	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust	7/05/14	17:50	ala	

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070414.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:36 07/07/2014

AA
7.7.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv6b.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71922:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist Date Time	Oper	Comments
1/e15.d	5099847001	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust 7/05/14 18:17	ala	
1/e16.d	5099847001x10	L/66513	SAMPLE	10	<2	-b8260sl_a_c/ust 7/05/14 18:44	ala	Not needed
1/e17.d	5099847002	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust 7/05/14 19:11	ala	
1/e18.d	5099847004	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust 7/05/14 19:39	ala	
1/e19.d	1123276,71787:5	L/66513	MS	1	<2	-b8260sl_a_c/ust 7/05/14 20:06	ala	
1/e20.d	1123277,71787:5	L/66513	MSD	1	<2	-b8260sl_a_c/ust 7/05/14 20:33	ala	
1/e21.d	5099847005	L/66513	SAMPLE	1	<2	-b8260sl_a_c/ust 7/05/14 21:01	ala	
1/e22.d	5099847005x10	L/66513	SAMPLE	10	<2	-b8260sl_a_c/ust 7/05/14 21:28	ala	
1/g00bfb.d	8260-TUNE,71933:	L/66491	BFB	1	7	-bfb/all 7/05/14 21:55	ala	
1/g01ccv.d	8260-CCV,71705:0	L/66491	CCALIB_6	1	7	-b8260sl_a_c/all 7/05/14 22:22	ala	CCV passed UST adj
1/g02lcs.d	1123279,71787:5	L/66514	LCS	1	7	-b8260sl_a_c/8260ss 7/05/14 22:50	ala	
1/g03mb.d	1123278	L/66514	BLANK	1	7	-b8260sl_a_c/all 7/05/14 23:17	ala	
1/g04.d	5099847003	L/66514	SAMPLE	1	<2	-b8260sl_a_c/ust 7/05/14 23:45	ala	

Note: Run stopped due to Centurion error - see maint log

AA
7.7.14

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

File Path 1: \\192.168.50.6\chem\50mv6b.i\b070414.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:36 07/07/2014

MSSV FULL SCAN - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MSS2

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD5	TD14
1117918	1117918BLANK	90	84	83	82	83	109
1117919	1117919LCS	96	87	83	82	86	111*
1120686	1120686BLANK	73	72	71	69	74	98
1120687	1120687LCS	74	72	70	68	73	94
5099765001	P-10 (2-4)	93	83	83	80	86	104
5099765002	P-10 (12-14)	92	87	87	84	89	102
5099765003	TMW-10 (3-5)	89	85	82	82	84	102
5099765004	TMW-10 (10-12)	76	86	81	84	86	98
5099765005	TMW-2 (3-5)	89	81	83	80	84	101
5099765006	TMW-2 (13-15)	89	86	84	82	86	102
5099765007	P-1 (1-3)	43	51	51	44	50	52
5099765008	P-1 (18-20)	73	77	73	73	75	89
5099765009	TMW-1 (1-3)	80	76	75	72	77	95
5099765010	TMW-1 (11-13)	76	70	72	71	75	79
5099765011	TMW-8 (1-3)	46	55	53	55	55	66
5099765012	TMW-8 (10-12)	92	83	84	82	87	102
5099765013	P-2 (1-3)	89	82	83	81	86	105
5099765014	P-2 (18-20)	91	79	84	81	87	83
5099765015	Subsurf-Dup	84	79	80	77	82	100

	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)	(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
Lab Sample ID: 1117919LCS
Date Extracted: 06/26/2014
Date Analyzed (1): 06/27/2014
Instrument: 50MSS2
LCS Lot No: 70722
Lab File ID: 062714CAL.B\1117919L.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2970	89	43-99
Acenaphthylene	3330	2970	89	42-101
Anthracene	3330	3170	95	46-107
Benzo(a)anthracene	3330	3210	96	45-108
Benzo(a)pyrene	3330	4520	136	47-113
Benzo(b)fluoranthene	3330	4490	135	41-110
Benzo(g,h,i)perylene	3330	4320	130	42-112
Benzo(k)fluoranthene	3330	4210	126	44-107
4-Chloro-3-methylphenol	3330	3040	91	38-104
2-Chlorophenol	3330	2770	83	38-96
Chrysene	3330	3280	98	43-103
Dibenz(a,h)anthracene	3330	4430	133	43-110
2,4-Dinitrotoluene	3330	3230	97	39-103
Fluoranthene	3330	3150	94	45-105
Fluorene	3330	3090	93	42-103
Indeno(1,2,3-cd)pyrene	3330	4330	130	43-111
2-Methylnaphthalene	3330	2770	83	36-94
Naphthalene	3330	2660	80	44-100
4-Nitrophenol	3330	3050	92	34-104
N-Nitroso-di-n-propylamine	3330	2900	87	37-96
Pentachlorophenol	3330	2610	78	21-103
Phenanthrene	3330	3060	92	44-104
Phenol	3330	2830	85	37-101
Pyrene	3330	3200	96	44-105

Spike Recovery: 6 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-1
SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1120687LCS
Date Extracted: 07/01/2014
Date Analyzed (1): 07/01/2014
Instrument: 50MSS2
LCS Lot No: 71550
Lab File ID: 070114.B\1120687L.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
Acenaphthene	3330	2540	76	43-99
Acenaphthylene	3330	2450	73	42-101
Anthracene	3330	2560	77	46-107
Benzo(a)anthracene	3330	2580	77	45-108
Benzo(a)pyrene	3330	2720	82	47-113
Benzo(b)fluoranthene	3330	2340	70	41-110
Benzo(g,h,i)perylene	3330	2620	79	42-112
Benzo(k)fluoranthene	3330	2860	86	44-107
4-Chloro-3-methylphenol	3330	2490	75	38-104
2-Chlorophenol	3330	2260	68	38-96
Chrysene	3330	2690	81	43-103
Dibenz(a,h)anthracene	3330	2690	81	43-110
2,4-Dinitrotoluene	3330	2530	76	39-103
Fluoranthene	3330	2730	82	45-105
Fluorene	3330	2930	88	42-103
Indeno(1,2,3-cd)pyrene	3330	2630	79	43-111
2-Methylnaphthalene	3330	2390	72	36-94
Naphthalene	3330	2250	68	44-100
4-Nitrophenol	3330	2450	73	34-104
N-Nitroso-di-n-propylamine	3330	2390	72	37-96
Pentachlorophenol	3330	2300	69	21-103
Phenanthrene	3330	2630	79	44-104
Phenol	3330	2380	71	37-101
Pyrene	3330	2770	83	44-105

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: 1117920MS

Date Extracted: 06/26/2014

Date Analyzed (1): 06/30/2014

Instrument: 50MSS2

Lab File ID: 063014CAL.B\1117920M.D

Parent Sample ID: 5099856002

SDG No.: 5099765

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (mg/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	3810	ND	2970	78	15-102
2-Chlorophenol	3810	ND	2690	71	22-96
2-Methylnaphthalene	3810	ND	2710	71	14-107
4-Chloro-3-methylphenol	3810	ND	2910	77	21-105
4-Nitrophenol	3810	ND	3030	80	12-107
Acenaphthene	3810	ND	2860	75	19-110
Acenaphthylene	3810	ND	2750	72	21-106
Anthracene	3810	ND	2780	73	22-112
Benzo(a)anthracene	3810	ND	2730	72	13-116
Benzo(a)pyrene	3810	ND	2690	71	11-119
Benzo(b)fluoranthene	3810	ND	2580	68	10-126
Benzo(g,h,i)perylene	3810	ND	2330	61	10-114
Benzo(k)fluoranthene	3810	ND	2700	71	10-117
Chrysene	3810	ND	2820	74	14-107
Dibenz(a,h)anthracene	3810	ND	2660	70	10-119
Fluoranthene	3810	ND	2900	76	17-110
Fluorene	3810	ND	3120	82	17-115
Indeno(1,2,3-cd)pyrene	3810	ND	2480	65	11-111
N-Nitroso-di-n-propylamine	3810	ND	2790	73	18-103
Naphthalene	3810	ND	2660	70	16-102
Pentachlorophenol	3810	ND	2530	66	10-100
Phenanthrene	3810	ND	2820	74	10-128
Phenol	3810	ND	2670	70	22-97
Pyrene	3810	ND	2940	77	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: 1117921MSD

Lab File ID (2): 063014CAL.B\1117921D.D Date Analyzed (2): 06/30/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	3810	3800	100	25	0-20	15-102
2-Chlorophenol	3810	3210	84	18	0-20	22-96
2-Methylnaphthalene	3810	3210	84	17	0-20	14-107
4-Chloro-3-methylphenol	3810	3610	95	21	0-20	21-105
4-Nitrophenol	3810	3840	101	23	0-20	12-107
Acenaphthene	3810	3460	91	19	0-20	19-110
Acenaphthylene	3810	3350	88	19	0-20	21-106
Anthracene	3810	3410	90	20	0-20	22-112
Benzo(a)anthracene	3810	3470	91	24	0-20	13-116
Benzo(a)pyrene	3810	3400	89	23	0-20	11-119
Benzo(b)fluoranthene	3810	3140	83	20	0-20	10-126
Benzo(g,h,i)perylene	3810	3030	80	26	0-20	10-114
Benzo(k)fluoranthene	3810	3450	91	25	0-20	10-117
Chrysene	3810	3540	93	23	0-20	14-107
Dibenz(a,h)anthracene	3810	3320	87	22	0-20	10-119
Fluoranthene	3810	3610	95	22	0-20	17-110
Fluorene	3810	3890	102	22	0-20	17-115
Indeno(1,2,3-cd)pyrene	3810	3140	82	23	0-20	11-111
N-Nitroso-di-n-propylamine	3810	3370	88	19	0-20	18-103
Naphthalene	3810	3130	82	16	0-20	16-102
Pentachlorophenol	3810	3430	90	30	0-20	10-100
Phenanthrene	3810	3520	92	22	0-20	10-128
Phenol	3810	3210	84	18	0-20	22-97
Pyrene	3810	3600	95	20	0-20	10-123

RPD: 14 out of 24 outside limits.

Spike Recovery: 0 out of 24 outside limits.

07/24/2014 6:50

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: 1120688MS

Date Extracted: 07/01/2014

Date Analyzed (1): 07/01/2014

Instrument: 50MSS2

Lab File ID: 070114.B\1120688M.D

Parent Sample ID: 50100101001

SDG No.: 5099765

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	4150	ND	2860	69	15-102
2-Chlorophenol	4150	ND	2380	57	22-96
2-Methylnaphthalene	4150	752	3510	67	14-107
4-Chloro-3-methylphenol	4150	ND	2580	62	21-105
4-Nitrophenol	4150	ND	3080	74	12-107
Acenaphthene	4150	ND	3060	74	19-110
Acenaphthylene	4150	ND	2980	72	21-106
Anthracene	4150	ND	2820	68	22-112
Benzo(a)anthracene	4150	ND	2800	66	13-116
Benzo(a)pyrene	4150	ND	2810	67	11-119
Benzo(b)fluoranthene	4150	ND	2640	63	10-126
Benzo(g,h,i)perylene	4150	ND	2710	65	10-114
Benzo(k)fluoranthene	4150	ND	2720	64	10-117
Chrysene	4150	ND	2860	67	14-107
Dibenz(a,h)anthracene	4150	ND	2770	67	10-119
Fluoranthene	4150	ND	3130	73	17-110
Fluorene	4150	ND	3510	85	17-115
Indeno(1,2,3-cd)pyrene	4150	ND	2700	65	11-111
N-Nitroso-di-n-propylamine	4150	ND	2670	64	18-103
Naphthalene	4150	439	2980	61	16-102
Pentachlorophenol	4150	ND	2840	69	10-100
Phenanthrene	4150	ND	3100	69	10-128
Phenol	4150	ND	2520	61	22-97
Pyrene	4150	ND	3080	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: 1120689MSD

Lab File ID (2): 070114.B\1120689D.D Date Analyzed (2): 07/01/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	4160	2610	63	9	0-20	15-102
2-Chlorophenol	4160	2620	63	9	0-20	22-96
2-Methylnaphthalene	4160	3200	59	9	0-20	14-107
4-Chloro-3-methylphenol	4160	2770	67	7	0-20	21-105
4-Nitrophenol	4160	2960	71	4	0-20	12-107
Acenaphthene	4160	2930	70	4	0-20	19-110
Acenaphthylene	4160	2860	69	4	0-20	21-106
Anthracene	4160	2810	68	0	0-20	22-112
Benzo(a)anthracene	4160	2830	67	1	0-20	13-116
Benzo(a)pyrene	4160	2820	67	0	0-20	11-119
Benzo(b)fluoranthene	4160	2550	60	4	0-20	10-126
Benzo(g,h,i)perylene	4160	2700	65	0	0-20	10-114
Benzo(k)fluoranthene	4160	2870	68	5	0-20	10-117
Chrysene	4160	2840	66	1	0-20	14-107
Dibenz(a,h)anthracene	4160	2790	67	1	0-20	10-119
Fluoranthene	4160	3120	72	0	0-20	17-110
Fluorene	4160	3240	78	8	0-20	17-115
Indeno(1,2,3-cd)pyrene	4160	2710	65	0	0-20	11-111
N-Nitroso-di-n-propylamine	4160	2920	70	9	0-20	18-103
Naphthalene	4160	2910	59	2	0-20	16-102
Pentachlorophenol	4160	2790	67	2	0-20	10-100
Phenanthrene	4160	2990	66	4	0-20	10-128
Phenol	4160	2690	65	6	0-20	22-97
Pyrene	4160	3150	73	2	0-20	10-123

RPD: 0 out of 24 outside limits.

Spike Recovery: 0 out of 24 outside limits.

SAMPLE NO.

1117918BLANK

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MSS2 Matrix: Solid Lab Sample ID: 1117918

Lab File ID: 062714CAL.B\1117918B.D Date Analyzed: 06/27/2014 Time: 17:12

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1117919LCS	1117919	062714CAL.B\1117919L.D	06/27/2014 17:35
P-10 (2-4)	5099765001	062714CAL.B\5099765001.D	06/27/2014 17:57
P-10 (12-14)	5099765002	062714CAL.B\5099765002.D	06/27/2014 18:20
TMW-10 (3-5)	5099765003	062714CAL.B\5099765003.D	06/27/2014 18:42
TMW-10 (10-12)	5099765004	062714CAL.B\5099765004.D	06/27/2014 19:05
TMW-2 (3-5)	5099765005	062714CAL.B\5099765005.D	06/27/2014 19:27
TMW-2 (13-15)	5099765006	062714CAL.B\5099765006.D	06/27/2014 19:50
P-1 (1-3)	5099765007	062714CAL.B\5099765007.D	06/27/2014 20:12
P-1 (18-20)	5099765008	062714CAL.B\5099765008.D	06/27/2014 20:35
TMW-1 (1-3)	5099765009	062714CAL.B\5099765009.D	06/27/2014 20:57
TMW-1 (11-13)	5099765010	062714CAL.B\5099765010.D	06/27/2014 21:20
TMW-8 (10-12)	5099765012	062714CAL.B\5099765012.D	06/27/2014 22:05
P-2 (1-3)	5099765013	062714CAL.B\5099765013.D	06/27/2014 22:27
P-2 (18-20)	5099765014	062714CAL.B\5099765014.D	06/27/2014 22:50
Subsurf-Dup	5099765015	062714CAL.B\5099765015.D	06/27/2014 23:12

SAMPLE NO.

1120686BLANK

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50MSS2 Matrix: Solid Lab Sample ID: 1120686

Lab File ID: 070114.B\1120686B.D Date Analyzed: 07/01/2014 Time: 15:12

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1120687LCS	1120687	070114.B\1120687L.D	07/01/2014 15:35
TMW-8 (1-3)	5099765011	070114.B\5099765011RX.D	07/01/2014 20:29

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: 062714CAL.B\DFTPP-A.D DFTPP Injection Date: 06/27/2014
Instrument ID: 50MSS2 DFTPP Injection Time: 12:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.00 - 60.00% of mass 198	32.16	
68	Less than 2.00% of mass 69	0.63	(1.75)[1]
69	Mass 69 relative abundance	35.83	
70	Less than 2.00% of mass 69	0.00	(0.00)[1]
127	40.00 - 60.00% of mass 198	48.82	
197	Less than 1.00% of mass 198	0.00	
198	Base Peak, 100.00% relative abundance	100.00	
199	5.00 - 9.00% of mass 198	7.20	
275	10.00 - 30.00% of mass 198	26.43	
365	Greater than 1.00% of mass 198	3.03	
441	Present, but less than mass 443	15.26	
442	Greater than 40.00% of mass 198	101.79	
443	17.00 - 23.00% of mass 442	20.63	(20.26)[2]

1 - Value is % mass 69 2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6913470CAL2	6913470CAL2	062714CAL.B\5PPM.D	06/27/2014	13:04
6913465CAL3	6913465CAL3	062714CAL.B\10PPM.D	06/27/2014	13:27
6913474CAL4	6913474CAL4	062714CAL.B\20PPM.D	06/27/2014	13:49
6913476CAL5	6913476CAL5	062714CAL.B\50PPM.D	06/27/2014	14:12
6913477CAL6	6913477CAL6	062714CAL.B\100PPM.D	06/27/2014	14:34
6913478CAL7	6913478CAL7	062714CAL.B\150PPM.D	06/27/2014	14:57
6913479CAL8	6913479CAL8	062714CAL.B\175PPM.D	06/27/2014	15:19
6913471CAL9	6913471CAL9	062714CAL.B\200PPM.D	06/27/2014	15:42
6913464ICV	6913464ICV	062714CAL.B\100PPM-ICV.D	06/27/2014	16:04
1117918BLANK	1117918BLANK	062714CAL.B\1117918B.D	06/27/2014	17:12
1117919LCS	1117919LCS	062714CAL.B\1117919L.D	06/27/2014	17:35
P-10 (2-4)	5099765001	062714CAL.B\5099765001.D	06/27/2014	17:57
P-10 (12-14)	5099765002	062714CAL.B\5099765002.D	06/27/2014	18:20
TMW-10 (3-5)	5099765003	062714CAL.B\5099765003.D	06/27/2014	18:42
TMW-10 (10-12)	5099765004	062714CAL.B\5099765004.D	06/27/2014	19:05
TMW-2 (3-5)	5099765005	062714CAL.B\5099765005.D	06/27/2014	19:27
TMW-2 (13-15)	5099765006	062714CAL.B\5099765006.D	06/27/2014	19:50
P-1 (1-3)	5099765007	062714CAL.B\5099765007.D	06/27/2014	20:12
P-1 (18-20)	5099765008	062714CAL.B\5099765008.D	06/27/2014	20:35

MSSV Full Scan - FORM V SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: 062714CAL.B\DFTPP-A.D DFTPP Injection Date: 06/27/2014
Instrument ID: 50MSS2 DFTPP Injection Time: 12:42

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
TMW-1 (1-3)	5099765009	062714CAL.B\5099765009.D	06/27/2014	20:57
TMW-1 (11-13)	5099765010	062714CAL.B\5099765010.D	06/27/2014	21:20
TMW-8 (10-12)	5099765012	062714CAL.B\5099765012.D	06/27/2014	22:05
P-2 (1-3)	5099765013	062714CAL.B\5099765013.D	06/27/2014	22:27
P-2 (18-20)	5099765014	062714CAL.B\5099765014.D	06/27/2014	22:50
Subsurf-Dup	5099765015	062714CAL.B\5099765015.D	06/27/2014	23:12

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: 063014CAL.B\DFTPP-A.D DFTPP Injection Date: 06/30/2014
Instrument ID: 50MSS2 DFTPP Injection Time: 13:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.00 - 60.00% of mass 198	31.94	
68	Less than 2.00% of mass 69	0.51	(1.47)[1]
69	Mass 69 relative abundance	34.80	
70	Less than 2.00% of mass 69	0.00	(0.00)[1]
127	40.00 - 60.00% of mass 198	49.62	
197	Less than 1.00% of mass 198	0.44	
198	Base Peak, 100.00% relative abundance	100.00	
199	5.00 - 9.00% of mass 198	6.87	
275	10.00 - 30.00% of mass 198	24.93	
365	Greater than 1.00% of mass 198	3.07	
441	Present, but less than mass 443	13.98	
442	Greater than 40.00% of mass 198	96.40	
443	17.00 - 23.00% of mass 442	19.95	(20.69)[2]

1 - Value is % mass 69 2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6918500CAL2	6918500CAL2	063014CAL.B\5PPM.D	06/30/2014	13:34
6918509CAL3	6918509CAL3	063014CAL.B\10PPM.D	06/30/2014	13:56
6918498CAL4	6918498CAL4	063014CAL.B\20PPM.D	06/30/2014	14:19
6918499CAL5	6918499CAL5	063014CAL.B\50PPM.D	06/30/2014	14:42
6918503CAL6	6918503CAL6	063014CAL.B\100PPM.D	06/30/2014	15:04
6918506CAL7	6918506CAL7	063014CAL.B\150PPM.D	06/30/2014	15:27
6918502CAL8	6918502CAL8	063014CAL.B\175PPM.D	06/30/2014	15:49
6918501CAL9	6918501CAL9	063014CAL.B\200PPM.D	06/30/2014	16:12
6918504ICV	6918504ICV	063014CAL.B\100PPM-ICV.D	06/30/2014	16:35

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast
Lab File ID: 070114.B\DFTPP-A.D DFTPP Injection Date: 07/01/2014
Instrument ID: 50MSS2 DFTPP Injection Time: 13:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.00 - 60.00% of mass 198	42.48	
68	Less than 2.00% of mass 69	0.00	(0.00)[1]
69	Mass 69 relative abundance	44.15	
70	Less than 2.00% of mass 69	0.00	(0.00)[1]
127	40.00 - 60.00% of mass 198	57.84	
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	7.49	
275	10.00 - 30.00% of mass 198	22.83	
365	Greater than 1.00% of mass 198	2.49	
441	Present, but less than mass 443	8.97	
442	Greater than 40.00% of mass 198	62.83	
443	17.00 - 23.00% of mass 442	13.61	(21.66)[2]

1 - Value is % mass 69 2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6920495CCV	6920495CCV	070114.B\100PPM-A.D	07/01/2014	13:42
1120686BLANK	1120686BLANK	070114.B\1120686B.D	07/01/2014	15:12
1120687LCS	1120687LCS	070114.B\1120687L.D	07/01/2014	15:35
TMW-8 (1-3)	5099765011	070114.B\5099765011RX.D	07/01/2014	20:29

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.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Acenaphthene	Averaged	1.30705	1.29080	1.27395	1.17323	1.17689	1.14329
Acenaphthylene	Averaged	2.02255	2.00779	2.01309	1.88656	1.91968	1.90239
Anthracene	Averaged	1.16964	1.15222	1.17728	1.06577	1.07329	1.04386
Benzo(a)anthracene	Averaged	1.08742	1.08589	1.09287	1.01284	1.02855	0.98686
Benzo(a)pyrene	Averaged	1.11211	1.11552	1.13318	1.07859	1.10784	1.10835
Benzo(b)fluoranthene	Averaged	1.30737	1.31042	1.30122	1.13650	1.16654	1.28240
Benzo(g,h,i)perylene	Averaged	1.27197	1.28246	1.27508	1.21215	1.24331	1.28686
Benzo(k)fluoranthene	Averaged	1.28206	1.25780	1.28990	1.31770	1.27505	1.17516
Benzyl alcohol	Averaged		0.55546	0.71767	0.75234	0.78229	0.85748
4-Bromophenylphenyl ether	Averaged	0.24704	0.24026	0.24332	0.22411	0.23598	0.23541
Butylbenzylphthalate	Averaged	0.40073	0.41576	0.43661	0.40323	0.41125	0.39918
4-Chloro-3-methylphenol	Averaged	0.26726	0.27678	0.28362	0.26981	0.28460	0.29837
4-Chloroaniline	Averaged	0.42315	0.43729	0.45371	0.41595	0.41507	0.42593
bis(2-Chloroethoxy)methane	Averaged	0.36399	0.36955	0.37442	0.34634	0.35029	0.35570
bis(2-Chloroethyl) ether	Averaged	1.11536	1.08470	1.10631	1.04965	1.06942	1.08456
bis(2chloro1methylethyl) ether	Averaged	1.42696	1.40049	1.38265	1.27611	1.23065	1.21552
2-Chloronaphthalene	Averaged	1.21261	1.16369	1.16498	1.08738	1.08601	1.07437
2-Chlorophenol	Averaged	1.38263	1.36370	1.39205	1.29598	1.34822	1.38151
4-Chlorophenylphenyl ether	Averaged	0.70121	0.70176	0.69393	0.65270	0.66262	0.66901
Chrysene	Averaged	1.02840	1.03354	1.03227	0.95359	0.96916	0.95832
Dibenz(a,h)anthracene	Averaged	1.20435	1.19089	1.23126	1.17462	1.19140	1.15964
Dibenzofuran	Averaged	1.76452	1.76219	1.76767	1.63536	1.65397	1.66418
3,3'-Dichlorobenzidine	Averaged	0.31410	0.31617	0.31946	0.30640	0.33506	0.32934
2,4-Dichlorophenol	Averaged	0.28971	0.30405	0.31503	0.29446	0.30975	0.31869
Diethylphthalate	Averaged	1.36867	1.40155	1.39179	1.27384	1.25990	1.25025
2,4-Dimethylphenol	Averaged	0.29455	0.30271	0.31141	0.28630	0.29839	0.30226
Dimethylphthalate	Averaged	1.43084	1.40758	1.38106	1.27899	1.29424	1.32640
Di-n-butylphthalate	Averaged	1.20864	1.23292	1.25818	1.16022	1.14558	1.11774
4,6-Dinitro-2-methylphenol	Linear	0.06672	0.08709	0.10636	0.12051	0.13633	0.14109
2,4-Dinitrophenol	Linear		0.06944	0.10657	0.14007	0.18059	0.20504
2,4-Dinitrotoluene	Averaged	0.32778	0.37745	0.40298	0.39365	0.41575	0.43361
2,6-Dinitrotoluene	Averaged	0.22652	0.25507	0.27729	0.27396	0.29239	0.30256
Di-n-octylphthalate	Averaged	0.98469	1.03910	1.08853	1.06114	1.06414	1.05687
bis(2-Ethylhexyl)phthalate	Averaged	0.56579	0.59933	0.62652	0.58416	0.59507	0.58184
Fluoranthene	Averaged	1.39385	1.38487	1.38023	1.27064	1.28253	1.25649

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.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Fluorene	Averaged	1.47976	1.47395	1.46154	1.35615	1.35034	1.31949
Hexachloro-1,3-butadiene	Averaged	0.20986	0.20640	0.20986	0.19391	0.20322	0.20600
Hexachlorobenzene	Averaged	0.29397	0.29170	0.29528	0.27407	0.28470	0.28822
Hexachlorocyclopentadiene	Linear		0.06380	0.12114	0.17780	0.25133	0.27706
Hexachloroethane	Averaged	0.53948	0.54074	0.53410	0.49731	0.52007	0.53386
Indeno(1,2,3-cd)pyrene	Averaged	1.48541	1.48586	1.51718	1.44858	1.47548	1.47668
Isophorone	Averaged	0.56847	0.57700	0.58791	0.54429	0.56071	0.57586
2-Methylnaphthalene	Averaged	0.76063	0.76058	0.76233	0.69668	0.71701	0.73097
2-Methylphenol(o-Cresol)	Averaged	1.20055	1.19629	1.21575	1.10793	1.10472	1.14718
3&4-Methylphenol(m&p Cresol)	Averaged	1.20221	1.21202	1.26870	1.20512	1.23226	1.26191
Naphthalene	Averaged	1.08166	1.06483	1.08128	0.98511	1.01179	1.02764
2-Nitroaniline	Averaged	0.22371	0.23786	0.25499	0.25225	0.26426	0.27795
3-Nitroaniline	Averaged	0.27820	0.30656	0.32657	0.31818	0.32465	0.33305
4-Nitroaniline	Averaged	0.27723	0.31897	0.34323	0.33622	0.35587	0.37021
Nitrobenzene	Averaged	0.29397	0.29761	0.30056	0.28125	0.29514	0.29639
2-Nitrophenol	Averaged	0.16067	0.17436	0.18413	0.17859	0.19196	0.19993
4-Nitrophenol	Averaged		0.12436	0.13758	0.14379	0.15966	0.16814
N-Nitroso-di-n-propylamine	Averaged	0.80343	0.78191	0.81713	0.77178	0.77827	0.80984
N-Nitrosodiphenylamine	Averaged	0.54411	0.54480	0.53369	0.49023	0.49245	0.46995
Pentachlorophenol	Linear	0.08244	0.09789	0.11151	0.12546	0.14728	0.16233
Phenanthrene	Averaged	1.17736	1.15679	1.15692	1.06501	1.05950	1.04302
Phenol	Averaged	1.55001	1.49785	1.53500	1.45701	1.48523	1.52955
Pyrene	Averaged	1.45246	1.46342	1.45480	1.33986	1.33062	1.29784
2,4,5-Trichlorophenol	Averaged	0.38633	0.41090	0.42034	0.40003	0.42017	0.44240
2,4,6-Trichlorophenol	Averaged	0.38258	0.38747	0.40634	0.38773	0.40396	0.41360
2-Fluorobiphenyl (S)	Averaged	1.38268	1.34185	1.34719	1.26328	1.29050	1.28938
2-Fluorophenol (S)	Averaged	1.10103	1.10983	1.12809	1.05911	1.09412	1.10861
Nitrobenzene-d5 (S)	Averaged	0.29047	0.28566	0.29399	0.27354	0.28919	0.29554
Phenol-d5 (S)	Averaged	1.38884	1.38586	1.42730	1.35152	1.39255	1.43993
p-Terphenyl-d14 (S)	Averaged	0.87926	0.90555	0.90068	0.82863	0.85538	0.84520
2,4,6-Tribromophenol (S)	Averaged	0.13227	0.13697	0.14421	0.13986	0.15043	0.15190

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-3

MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Acenaphthene	Averaged	1.10457	0.99730
Acenaphthylene	Averaged	1.81859	1.64331
Anthracene	Averaged	1.02539	0.91876
Benzo(a)anthracene	Averaged	0.95014	0.84296
Benzo(a)pyrene	Averaged	1.07634	0.96350
Benzo(b)fluoranthene	Averaged	1.14567	1.11583
Benzo(g,h,i)perylene	Averaged	1.24063	1.11878
Benzo(k)fluoranthene	Averaged	1.24152	1.00311
Benzyl alcohol	Averaged	0.85692	0.77813
4-Bromophenylphenyl ether	Averaged	0.24436	0.21620
Butylbenzylphthalate	Averaged	0.39961	0.35018
4-Chloro-3-methylphenol	Averaged	0.29055	0.26219
4-Chloroaniline	Averaged	0.40827	0.36832
bis(2-Chloroethoxy)methane	Averaged	0.35251	0.31907
bis(2-Chloroethyl) ether	Averaged	1.07048	0.98054
bis(2chloro1methylethyl) ether	Averaged	1.15540	1.02929
2-Chloronaphthalene	Averaged	1.05042	0.93722
2-Chlorophenol	Averaged	1.36029	1.23249
4-Chlorophenylphenyl ether	Averaged	0.66169	0.58829
Chrysene	Averaged	0.92588	0.82400
Dibenz(a,h)anthracene	Averaged	1.11102	0.98558
Dibenzofuran	Averaged	1.61756	1.46349
3,3'-Dichlorobenzidine	Averaged	0.32052	
2,4-Dichlorophenol	Averaged	0.31582	0.28696
Diethylphthalate	Averaged	1.18818	1.05271
2,4-Dimethylphenol	Averaged	0.29910	0.26943
Dimethylphthalate	Averaged	1.27365	1.13295
Di-n-butylphthalate	Averaged	1.09057	0.97775
4,6-Dinitro-2-methylphenol	Linear	0.13868	0.12696
2,4-Dinitrophenol	Linear	0.20650	0.18992
2,4-Dinitrotoluene	Averaged	0.41957	0.38367
2,6-Dinitrotoluene	Averaged	0.29681	0.26842
Di-n-octylphthalate	Averaged	1.05333	0.91226
bis(2-Ethylhexyl)phthalate	Averaged	0.57382	0.49866
Fluoranthene	Averaged	1.18250	1.10349

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.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Fluorene	Averaged	1.24114	1.11880
Hexachloro-1,3-butadiene	Averaged	0.20486	0.18788
Hexachlorobenzene	Averaged	0.29419	0.26487
Hexachlorocyclopentadiene	Linear	0.30172	0.27254
Hexachloroethane	Averaged	0.52336	0.47655
Indeno(1,2,3-cd)pyrene	Averaged	1.42388	1.27477
Isophorone	Averaged	0.57090	0.51491
2-Methylnaphthalene	Averaged	0.71706	0.64727
2-Methylphenol(o-Cresol)	Averaged	1.11661	1.00192
3&4-Methylphenol(m&p Cresol)	Averaged	1.22869	1.10789
Naphthalene	Averaged	1.00942	0.91622
2-Nitroaniline	Averaged	0.26859	0.24456
3-Nitroaniline	Averaged	0.31535	0.28728
4-Nitroaniline	Averaged	0.35325	0.32804
Nitrobenzene	Averaged	0.29070	0.26678
2-Nitrophenol	Averaged	0.19899	0.18068
4-Nitrophenol	Averaged	0.16207	0.14967
N-Nitroso-di-n-propylamine	Averaged	0.79318	0.70086
N-Nitrosodiphenylamine	Averaged	0.46604	0.41765
Pentachlorophenol	Linear	0.16473	0.14943
Phenanthrene	Averaged	1.00526	0.91322
Phenol	Averaged	1.48902	1.34712
Pyrene	Averaged	1.23299	1.14268
2,4,5-Trichlorophenol	Averaged	0.43514	0.39119
2,4,6-Trichlorophenol	Averaged	0.41510	0.37161
2-Fluorobiphenyl (S)	Averaged	1.27188	1.14337
2-Fluorophenol (S)	Averaged	1.09497	0.99770
Nitrobenzene-d5 (S)	Averaged	0.29174	0.26542
Phenol-d5 (S)	Averaged	1.40034	1.27045
p-Terphenyl-d14 (S)	Averaged	0.79626	0.75438
2,4,6-Tribromophenol (S)	Averaged	0.16032	0.14335

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.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acenaphthene	Averaged	8.89857			1.18339	
Acenaphthylene	Averaged	6.66595			1.90174	
Anthracene	Averaged	8.08675			1.07828	
Benzo(a)anthracene	Averaged	8.44231			1.01094	
Benzo(a)pyrene	Averaged	4.90563			1.08693	
Benzo(b)fluoranthene	Averaged	7.09436			1.22074	
Benzo(g,h,i)perylene	Averaged	4.48676			1.24141	
Benzo(k)fluoranthene	Averaged	8.20954			1.23029	
Benzyl alcohol	Averaged	13.57072			0.75718	
4-Bromophenylphenyl ether	Averaged	4.52501			0.23584	
Butylbenzylphthalate	Averaged	6.07431			0.40207	
4-Chloro-3-methylphenol	Averaged	4.43121			0.27915	
4-Chloroaniline	Averaged	5.93059			0.41846	
bis(2-Chloroethoxy)methane	Averaged	4.84167			0.35398	
bis(2-Chloroethyl) ether	Averaged	3.90469			1.07013	
bis(2chloro1methylethyl) ether	Averaged	10.76555			1.26463	
2-Chloronaphthalene	Averaged	7.76940			1.09709	
2-Chlorophenol	Averaged	4.03620			1.34461	
4-Chlorophenylphenyl ether	Averaged	5.54337			0.66640	
Chrysene	Averaged	7.30621			0.96564	
Dibenz(a,h)anthracene	Averaged	6.69202			1.15610	
Dibenzofuran	Averaged	6.16027			1.66612	
3,3'-Dichlorobenzidine	Averaged	2.98827			0.32015	
2,4-Dichlorophenol	Averaged	4.10938			0.30431	
Diethylphthalate	Averaged	9.20642			1.27336	
2,4-Dimethylphenol	Averaged	4.31301			0.29552	
Dimethylphthalate	Averaged	7.21374			1.31571	
Di-n-butylphthalate	Averaged	7.81074			1.14895	
4,6-Dinitro-2-methylphenol	Linear		0.99453			
2,4-Dinitrophenol	Linear		0.99305			
2,4-Dinitrotoluene	Averaged	8.32449			0.39431	
2,6-Dinitrotoluene	Averaged	9.07093			0.27413	
Di-n-octylphthalate	Averaged	5.52452			1.03251	
bis(2-Ethylhexyl)phthalate	Averaged	6.41021			0.57815	
Fluoranthene	Averaged	8.09054			1.28183	

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

07/24/2014 6:51

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.: 5099765

Calibration Date(s): 06/27/2014 06/27/2014 Calibration Time(s): 13:04 15:42

LAB FILE ID

CAL2 = 062714CAL.B\5PPM.D CAL3 = 062714CAL.B\10PPM.D CAL4 = 062714CAL.B\20PPM.D

CAL5 = 062714CAL.B\50PPM.D CAL6 = 062714CAL.B\100PPM.D CAL7 = 062714CAL.B\150PPM.D

CAL8 = 062714CAL.B\175PPM.D CAL9 = 062714CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Fluorene	Averaged	9.32313			1.35015	
Hexachloro-1,3-butadiene	Averaged	3.86132			0.20275	
Hexachlorobenzene	Averaged	3.84195			0.28588	
Hexachlorocyclopentadiene	Linear		0.99148			
Hexachloroethane	Averaged	4.36185			0.52068	
Indeno(1,2,3-cd)pyrene	Averaged	5.20464			1.44848	
Isophorone	Averaged	4.10938			0.56251	
2-Methylnaphthalene	Averaged	5.45704			0.72406	
2-Methylphenol(o-Cresol)	Averaged	6.16935			1.13637	
3&4-Methylphenol(m&p Cresol)	Averaged	4.09348			1.21485	
Naphthalene	Averaged	5.45313			1.02224	
2-Nitroaniline	Averaged	6.93493			0.25302	
3-Nitroaniline	Averaged	6.24372			0.31123	
4-Nitroaniline	Averaged	8.52251			0.33538	
Nitrobenzene	Averaged	3.83589			0.29030	
2-Nitrophenol	Averaged	7.18332			0.18367	
4-Nitrophenol	Averaged	10.28561			0.14932	
N-Nitroso-di-n-propylamine	Averaged	4.65945			0.78205	
N-Nitrosodiphenylamine	Averaged	8.99416			0.49486	
Pentachlorophenol	Linear		0.99389			
Phenanthrene	Averaged	8.35818			1.07214	
Phenol	Averaged	4.30596			1.48635	
Pyrene	Averaged	8.62027			1.33933	
2,4,5-Trichlorophenol	Averaged	4.85473			0.41331	
2,4,6-Trichlorophenol	Averaged	4.00482			0.39605	
2-Fluorobiphenyl (S)	Averaged	5.63640			1.29127	
2-Fluorophenol (S)	Averaged	3.76849			1.08668	
Nitrobenzene-d5 (S)	Averaged	3.73252			0.28570	
Phenol-d5 (S)	Averaged	3.79815			1.38210	
p-Terphenyl-d14 (S)	Averaged	6.14459			0.84567	
2,4,6-Tribromophenol (S)	Averaged	6.21574			0.14492	

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

MSSV FULL SCAN - FORM VI SVOA-1

MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Acenaphthene	Averaged		1.27208	1.31121	1.18089	1.07258	0.99962
Acenaphthylene	Averaged	2.15372	1.99362	2.07428	1.92130	1.75175	1.65212
Anthracene	Averaged	1.30242	1.15041	1.21558	1.09645	0.97189	0.94014
Benzo(a)anthracene	Averaged	1.19380	1.08800	1.13825	1.03332	0.93868	0.90585
Benzo(a)pyrene	Averaged	1.65644	1.55179	1.60742	1.51928	1.38657	1.37174
Benzo(b)fluoranthene	Averaged	1.88961	1.59519	1.78043	1.74544	1.63764	1.55110
Benzo(g,h,i)perylene	Averaged	1.84795	1.68772	1.73514	1.66886	1.55112	1.54381
Benzo(k)fluoranthene	Averaged	1.94938	1.93262	1.93005	1.71499	1.47104	1.50430
Benzyl alcohol	Averaged		0.76104	0.83250	0.80778	0.78169	0.77955
4-Bromophenylphenyl ether	Averaged	0.25554	0.24148	0.25575	0.23644	0.22694	0.22494
Butylbenzylphthalate	Averaged	0.45555	0.42800	0.45777	0.42577	0.39586	0.38499
4-Chloro-3-methylphenol	Averaged	0.28506	0.27049	0.28566	0.27062	0.25800	0.25572
4-Chloroaniline	Averaged	0.39770	0.41388	0.44558	0.41174	0.38214	0.36559
bis(2-Chloroethoxy)methane	Averaged	0.40632	0.36425	0.38219	0.35587	0.33363	0.32433
bis(2-Chloroethyl) ether	Averaged	1.22736	1.09975	1.13344	1.05699	0.98840	0.98080
bis(2chloro1methylethyl) ether	Averaged		1.41715	1.43219	1.28429	1.14335	1.08760
2-Chloronaphthalene	Averaged	1.32976	1.18916	1.21107	1.10991	1.01157	0.97325
2-Chlorophenol	Averaged	1.52355	1.39183	1.44713	1.33561	1.26527	1.23765
4-Chlorophenylphenyl ether	Averaged	0.75949	0.69194	0.70499	0.65943	0.60995	0.59395
Chrysene	Averaged	1.16156	1.02699	1.04400	0.96710	0.88331	0.86982
Dibenz(a,h)anthracene	Averaged	1.76912	1.61958	1.70172	1.59954	1.45655	1.41067
Dibenzofuran	Averaged	1.95546	1.74703	1.80793	1.64965	1.52711	1.45664
3,3'-Dichlorobenzidine	Averaged	0.39776	0.36806	0.37732	0.33459	0.29852	0.28825
2,4-Dichlorophenol	Averaged	0.32304	0.29874	0.32261	0.30325	0.28944	0.28790
Diethylphthalate	Linear	1.48366	1.37068	1.39969	1.26976	1.12555	1.04756
2,4-Dimethylphenol	Averaged	0.33360	0.30623	0.32059	0.29957	0.28029	0.27337
Dimethylphthalate	Averaged	1.55085	1.36689	1.40790	1.28034	1.18459	1.12563
Di-n-butylphthalate	Averaged	1.32400	1.21698	1.29575	1.15623	1.05504	0.99755
4,6-Dinitro-2-methylphenol	Averaged		0.08429	0.11569	0.12536	0.12585	0.12648
2,4-Dinitrophenol	Linear	0.04133	0.06424	0.10634	0.14347	0.16235	0.17722
2,4-Dinitrotoluene	Averaged	0.35887	0.35960	0.40773	0.39780	0.37764	0.37016
2,6-Dinitrotoluene	Averaged	0.24938	0.26483	0.28865	0.28331	0.27263	0.27175
Di-n-octylphthalate	Averaged	1.58487	1.48481	1.63135	1.57464	1.41501	1.38441
bis(2-Ethylhexyl)phthalate	Averaged	0.65937	0.60632	0.64828	0.61495	0.56866	0.56377
Fluoranthene	Averaged		1.32064	1.37605	1.24310	1.10885	1.06967

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.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL2	CAL3	CAL4	CAL5	CAL6	CAL7
Fluorene	Linear		1.45090	1.48861	1.36937	1.19853	1.10856
Hexachloro-1,3-butadiene	Averaged	0.22433	0.20186	0.21221	0.19648	0.18958	0.18832
Hexachlorobenzene	Averaged	0.32188	0.29343	0.30575	0.28324	0.26923	0.27078
Hexachlorocyclopentadiene	Linear		0.06220	0.12458	0.19369	0.24002	0.27531
Hexachloroethane	Averaged	0.58997	0.54036	0.55225	0.51624	0.48800	0.48200
Indeno(1,2,3-cd)pyrene	Averaged	2.18877	1.98579	2.10188	1.98168	1.80704	1.78088
Isophorone	Averaged	0.62349	0.56878	0.59810	0.55131	0.52236	0.51370
2-Methylnaphthalene	Averaged	0.80792	0.73882	0.77669	0.71364	0.66117	0.64250
2-Methylphenol(o-Cresol)	Averaged	1.27810	1.16844	1.21301	1.11904	1.03076	1.01500
3&4-Methylphenol(m&p Cresol)	Averaged	1.32429	1.22116	1.29848	1.21378	1.13530	1.11569
Naphthalene	Averaged	1.19319	1.05701	1.10380	1.01342	0.93991	0.91997
2-Nitroaniline	Averaged	0.25227	0.23851	0.26217	0.25393	0.24659	0.23986
3-Nitroaniline	Averaged	0.28888	0.28731	0.31622	0.30896	0.28752	0.27492
4-Nitroaniline	Averaged	0.30375	0.29288	0.33386	0.32774	0.31287	0.30880
Nitrobenzene	Averaged	0.32434	0.29621	0.31321	0.29104	0.27085	0.27070
2-Nitrophenol	Averaged	0.18712	0.17505	0.19439	0.18952	0.18603	0.18331
4-Nitrophenol	Averaged		0.11806	0.13048	0.13860	0.13608	0.13643
N-Nitroso-di-n-propylamine	Averaged	0.83831	0.78213	0.81100	0.76406	0.71452	0.70639
N-Nitrosodiphenylamine	Averaged		0.54658	0.57917	0.51604	0.45909	0.43396
Pentachlorophenol	Linear	0.07445	0.08407	0.10760	0.12243	0.13225	0.14507
Phenanthrene	Averaged		1.15179	1.21000	1.07450	0.96673	0.92480
Phenol	Averaged	1.70008	1.56234	1.61146	1.46249	1.37531	1.34492
Pyrene	Averaged		1.40595	1.44775	1.29171	1.15861	1.10547
2,4,5-Trichlorophenol	Averaged	0.42293	0.40013	0.43564	0.40586	0.39720	0.39517
2,4,6-Trichlorophenol	Averaged	0.41489	0.38934	0.41695	0.40070	0.38426	0.38055
2-Fluorobiphenyl (S)	Averaged	1.52889	1.34781	1.41510	1.30923	1.21872	1.16936
2-Fluorophenol (S)	Averaged	1.22747	1.12579	1.17105	1.07701	1.04302	1.03166
Nitrobenzene-d5 (S)	Averaged	0.31023	0.28567	0.30327	0.28472	0.26838	0.26815
Phenol-d5 (S)	Averaged	1.50238	1.39816	1.47522	1.35816	1.28644	1.27418
p-Terphenyl-d14 (S)	Averaged	0.93579	0.84360	0.89298	0.81171	0.74836	0.72495
2,4,6-Tribromophenol (S)	Averaged	0.14445	0.13167	0.14823	0.14323	0.14305	0.15128

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-3

MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MSS2 GC Column: Col 1 SDG No.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Acenaphthene	Averaged	1.00942	0.92283
Acenaphthylene	Averaged	1.67410	1.51026
Anthracene	Averaged	0.94302	0.84322
Benzo(a)anthracene	Averaged	0.90936	0.79371
Benzo(a)pyrene	Averaged	1.39578	1.23435
Benzo(b)fluoranthene	Averaged	1.63786	1.35574
Benzo(g,h,i)perylene	Averaged	1.59464	1.42530
Benzo(k)fluoranthene	Averaged	1.47002	1.39456
Benzyl alcohol	Averaged	0.79238	0.72082
4-Bromophenylphenyl ether	Averaged	0.23207	0.20886
Butylbenzylphthalate	Averaged	0.39474	0.34180
4-Chloro-3-methylphenol	Averaged	0.26285	0.23692
4-Chloroaniline	Averaged	0.37135	0.33402
bis(2-Chloroethoxy)methane	Averaged	0.33246	0.30100
bis(2-Chloroethyl) ether	Averaged	1.00753	0.91045
bis(2chloro1methylethyl) ether	Averaged	1.07730	0.96418
2-Chloronaphthalene	Averaged	0.97758	0.87990
2-Chlorophenol	Averaged	1.28397	1.15332
4-Chlorophenylphenyl ether	Averaged	0.61076	0.55105
Chrysene	Averaged	0.87359	0.74797
Dibenz(a,h)anthracene	Averaged	1.42319	1.24021
Dibenzofuran	Averaged	1.48410	1.35220
3,3'-Dichlorobenzidine	Averaged	0.28725	
2,4-Dichlorophenol	Averaged	0.29466	0.26786
Diethylphthalate	Linear	1.04269	0.94247
2,4-Dimethylphenol	Averaged	0.27648	0.25267
Dimethylphthalate	Averaged	1.13973	1.04188
Di-n-butylphthalate	Averaged	1.00207	0.89573
4,6-Dinitro-2-methylphenol	Averaged	0.12858	0.11556
2,4-Dinitrophenol	Linear	0.19169	0.17266
2,4-Dinitrotoluene	Averaged	0.38010	0.34833
2,6-Dinitrotoluene	Averaged	0.28030	0.25785
Di-n-octylphthalate	Averaged	1.38815	1.21094
bis(2-Ethylhexyl)phthalate	Averaged	0.56455	0.49435
Fluoranthene	Averaged	1.06973	0.95776

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.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	CAL8	CAL9
Fluorene	Linear	1.10553	
Hexachloro-1,3-butadiene	Averaged	0.19733	0.18001
Hexachlorobenzene	Averaged	0.27896	0.25081
Hexachlorocyclopentadiene	Linear	0.29994	0.27946
Hexachloroethane	Averaged	0.49114	0.44021
Indeno(1,2,3-cd)pyrene	Averaged	1.82745	1.60265
Isophorone	Averaged	0.52729	0.48167
2-Methylnaphthalene	Averaged	0.66040	0.59901
2-Methylphenol(o-Cresol)	Averaged	1.04008	0.93719
3&4-Methylphenol(m&p Cresol)	Averaged	1.11118	1.00453
Naphthalene	Averaged	0.94368	0.85226
2-Nitroaniline	Averaged	0.24687	0.22730
3-Nitroaniline	Averaged	0.27872	0.25515
4-Nitroaniline	Averaged	0.31601	0.28818
Nitrobenzene	Averaged	0.27635	0.25170
2-Nitrophenol	Averaged	0.19088	0.17469
4-Nitrophenol	Averaged	0.13965	0.12911
N-Nitroso-di-n-propylamine	Averaged	0.71191	0.64522
N-Nitrosodiphenylamine	Averaged	0.43500	0.38694
Pentachlorophenol	Linear	0.15431	0.14084
Phenanthrene	Averaged	0.93269	0.82799
Phenol	Averaged	1.37572	1.23981
Pyrene	Averaged	1.10032	0.97637
2,4,5-Trichlorophenol	Averaged	0.41024	0.37897
2,4,6-Trichlorophenol	Averaged	0.39218	0.36052
2-Fluorobiphenyl (S)	Averaged	1.19629	1.09041
2-Fluorophenol (S)	Averaged	1.07098	0.96876
Nitrobenzene-d5 (S)	Averaged	0.27767	0.25323
Phenol-d5 (S)	Averaged	1.29811	1.17363
p-Terphenyl-d14 (S)	Averaged	0.72588	0.64706
2,4,6-Tribromophenol (S)	Averaged	0.15224	0.13795

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.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acenaphthene	Averaged	13.28938			1.10980	
Acenaphthylene	Averaged	12.36401			1.84139	
Anthracene	Averaged	14.95671			1.05789	
Benzo(a)anthracene	Averaged	13.56939			1.00012	
Benzo(a)pyrene	Averaged	9.65908			1.46542	
Benzo(b)fluoranthene	Averaged	9.80984			1.64913	
Benzo(g,h,i)perylene	Averaged	8.02942			1.63182	
Benzo(k)fluoranthene	Averaged	14.29886			1.67087	
Benzyl alcohol	Averaged	4.52267			0.78225	
4-Bromophenylphenyl ether	Averaged	6.72902			0.23525	
Butylbenzylphthalate	Averaged	9.49466			0.41056	
4-Chloro-3-methylphenol	Averaged	6.06277			0.26567	
4-Chloroaniline	Averaged	8.83986			0.39025	
bis(2-Chloroethoxy)methane	Averaged	9.70693			0.35001	
bis(2-Chloroethyl) ether	Averaged	9.57268			1.05059	
bis(2chloro1methylethyl) ether	Averaged	14.99982			1.20086	
2-Chloronaphthalene	Averaged	13.87639			1.08527	
2-Chlorophenol	Averaged	9.03681			1.32979	
4-Chlorophenylphenyl ether	Averaged	10.58384			0.64770	
Chrysene	Averaged	13.67008			0.94679	
Dibenz(a,h)anthracene	Averaged	11.45949			1.52757	
Dibenzofuran	Averaged	12.55156			1.62251	
3,3'-Dichlorobenzidine	Averaged	13.64712			0.33596	
2,4-Dichlorophenol	Averaged	6.14460			0.29844	
Diethylphthalate	Linear		0.99090			
2,4-Dimethylphenol	Averaged	9.19362			0.29285	
Dimethylphthalate	Averaged	13.52647			1.26222	
Di-n-butylphthalate	Averaged	13.80026			1.11792	
4,6-Dinitro-2-methylphenol	Averaged	13.21670			0.11740	
2,4-Dinitrophenol	Linear		0.99384			
2,4-Dinitrotoluene	Averaged	5.38648			0.37503	
2,6-Dinitrotoluene	Averaged	4.89143			0.27109	
Di-n-octylphthalate	Averaged	9.46859			1.45927	
bis(2-Ethylhexyl)phthalate	Averaged	9.06774			0.59003	
Fluoranthene	Averaged	13.08538			1.16369	

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.: 5099765

Calibration Date(s): 06/30/2014 06/30/2014 Calibration Time(s): 13:34 16:12

LAB FILE ID

CAL2 = 063014CAL.B\5PPM.D CAL3 = 063014CAL.B\10PPM.D CAL4 = 063014CAL.B\20PPM.D

CAL5 = 063014CAL.B\50PPM.D CAL6 = 063014CAL.B\100PPM.D CAL7 = 063014CAL.B\150PPM.D

CAL8 = 063014CAL.B\175PPM.D CAL9 = 063014CAL.B\200PPM.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Fluorene	Linear		0.99649			
Hexachloro-1,3-butadiene	Averaged	7.10602			0.19877	
Hexachlorobenzene	Averaged	7.88573			0.28426	
Hexachlorocyclopentadiene	Linear		0.99320			
Hexachloroethane	Averaged	9.20639			0.51252	
Indeno(1,2,3-cd)pyrene	Averaged	9.97490			1.90952	
Isophorone	Averaged	8.52936			0.54834	
2-Methylnaphthalene	Averaged	10.21619			0.70002	
2-Methylphenol(o-Cresol)	Averaged	10.40055			1.10020	
3&4-Methylphenol(m&p Cresol)	Averaged	9.03609			1.17805	
Naphthalene	Averaged	11.08230			1.00290	
2-Nitroaniline	Averaged	4.36961			0.24594	
3-Nitroaniline	Averaged	6.66960			0.28721	
4-Nitroaniline	Averaged	5.07141			0.31051	
Nitrobenzene	Averaged	8.40589			0.28680	
2-Nitrophenol	Averaged	3.85625			0.18512	
4-Nitrophenol	Averaged	5.68056			0.13263	
N-Nitroso-di-n-propylamine	Averaged	8.50825			0.74669	
N-Nitrosodiphenylamine	Averaged	14.44898			0.47954	
Pentachlorophenol	Linear		0.99492			
Phenanthrene	Averaged	13.51911			1.01264	
Phenol	Averaged	10.58818			1.45901	
Pyrene	Averaged	14.35615			1.21231	
2,4,5-Trichlorophenol	Averaged	4.31156			0.40577	
2,4,6-Trichlorophenol	Averaged	4.72823			0.39243	
2-Fluorobiphenyl (S)	Averaged	11.18331			1.28447	
2-Fluorophenol (S)	Averaged	7.56785			1.08947	
Nitrobenzene-d5 (S)	Averaged	6.70302			0.28142	
Phenol-d5 (S)	Averaged	8.17521			1.34578	
p-Terphenyl-d14 (S)	Averaged	12.24314			0.79129	
2,4,6-Tribromophenol (S)	Averaged	4.76016			0.14401	

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

SAMPLE NO.

6913464ICV

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 06/27/2014 Time: 16:04

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/27/2014 06/27/2014

Lab File ID: 062714CAL.B\100PPM-ICV.D Init. Calib. Time(s): 13:04 15:42

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.18339	8994.220	0.0000	-0.5487	20.0000
Acenaphthylene	Averaged	1.90174	13821.52	0.0000	0.9431	20.0000
Anthracene	Averaged	1.07828	16331.06	0.0000	-0.4624	20.0000
Benzo(a)anthracene	Averaged	1.01094	20921.37	0.0000	1.7422	20.0000
Benzo(a)pyrene	Averaged	1.08693	22667.51	0.0000	1.9235	20.0000
Benzo(b)fluoranthene	Averaged	1.22074	25148.24	0.0000	-4.4402	20.0000
Benzo(g,h,i)perylene	Averaged	1.24141	25473.20	0.0000	0.1537	20.0000
Benzo(k)fluoranthene	Averaged	1.23029	24929.08	0.0000	3.6382	20.0000
Benzyl alcohol	Averaged	0.75718	2573.790	0.0000	3.3160	20.0000
4-Bromophenylphenyl ether	Averaged	0.23584	3650.900	0.0000	0.0620	20.0000
Butylbenzylphthalate	Averaged	0.40207	8717.310	0.0000	2.2836	20.0000
4-Chloro-3-methylphenol	Averaged	0.27915	3595.290	0.0000	1.9533	20.0000
4-Chloroaniline	Averaged	0.41846	5541.320	0.0000	-0.8108	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.35398	4680.490	0.0000	-1.0435	20.0000
bis(2-Chloroethyl) ether	Averaged	1.07013	3450.950	0.0000	-0.0664	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.26463	4411.570	0.0000	-2.6871	20.0000
2-Chloronaphthalene	Averaged	1.09709	8649.460	0.0000	-1.0091	20.0000
2-Chlorophenol	Averaged	1.34461	4225.110	0.0000	0.2683	20.0000
4-Chlorophenylphenyl ether	Averaged	0.66640	5171.610	0.0000	-0.5681	20.0000
Chrysene	Averaged	0.96564	20771.52	0.0000	0.3639	20.0000
Dibenz(a,h)anthracene	Averaged	1.15610	24249.45	0.0000	3.0535	20.0000
Dibenzofuran	Averaged	1.66612	12797.77	0.0000	-0.7289	20.0000
3,3'-Dichlorobenzidine	Averaged	0.32015	8583.800	0.0000	4.6579	20.0000
2,4-Dichlorophenol	Averaged	0.30431	3914.550	0.0000	1.7873	20.0000
Diethylphthalate	Averaged	1.27336	9704.400	0.0000	-1.0573	20.0000
2,4-Dimethylphenol	Averaged	0.29552	3856.370	0.0000	0.9710	20.0000
Dimethylphthalate	Averaged	1.31571	9762.740	0.0000	-1.6320	20.0000
Di-n-butylphthalate	Averaged	1.14895	16816.27	0.0000	-0.2938	20.0000
4,6-Dinitro-2-methylphenol	Linear	100	109.5680	0.0000	9.5681	20.0000
2,4-Dinitrophenol	Linear	100	106.8471	0.0500	6.8472	20.0000
2,4-Dinitrotoluene	Averaged	0.39431	3359.330	0.0000	5.4387	20.0000
2,6-Dinitrotoluene	Averaged	0.27413	2369.020	0.0000	6.6616	20.0000
Di-n-octylphthalate	Averaged	1.03251	22086.47	0.0000	3.0634	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.57815	12497.66	0.0000	2.9260	20.0000
Fluoranthene	Averaged	1.28183	19172.97	0.0000	0.0550	20.0000
Fluorene	Averaged	1.35015	10400.12	0.0000	0.0142	20.0000

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

SAMPLE NO.

6913464ICV

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 06/27/2014 Time: 16:04

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/27/2014 06/27/2014

Lab File ID: 062714CAL.B\100PPM-ICV.D Init. Calib. Time(s): 13:04 15:42

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.20275	2832.590	0.0000	0.2318	20.0000
Hexachlorobenzene	Averaged	0.28588	4389.810	0.0000	-0.4115	20.0000
Hexachlorocyclopentadiene	Linear	100	97.66985	0.0500	-2.3301	20.0000
Hexachloroethane	Averaged	0.52068	1676.740	0.0000	-0.1177	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.44848	29087.75	0.0000	1.8637	20.0000
Isophorone	Averaged	0.56251	7113.270	0.0000	-0.3199	20.0000
2-Methylnaphthalene	Averaged	0.72406	8850.930	0.0000	-0.9749	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.13637	3664.120	0.0000	-2.7850	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.21485	3923.830	0.0000	1.4329	20.0000
Naphthalene	Averaged	1.02224	12938.22	0.0000	-1.0222	20.0000
2-Nitroaniline	Averaged	0.25302	2090.580	0.0000	4.4435	20.0000
3-Nitroaniline	Averaged	0.31123	2575.440	0.0000	4.3114	20.0000
4-Nitroaniline	Averaged	0.33538	2817.550	0.0000	6.1107	20.0000
Nitrobenzene	Averaged	0.29030	3821.940	0.0000	1.6683	20.0000
2-Nitrophenol	Averaged	0.18367	2411.750	0.0000	4.5184	20.0000
4-Nitrophenol	Averaged	0.14932	1214.220	0.0500	6.9212	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.78205	2555.340	0.0500	-0.4839	20.0000
N-Nitrosodiphenylamine	Averaged	0.49486	8807.570	0.0000	-0.4874	20.0000
Pentachlorophenol	Linear	100	121.5132	0.0000	21.5133	20.0000
Phenanthrene	Averaged	1.07214	16068.95	0.0000	-1.1784	20.0000
Phenol	Averaged	1.48635	5188.490	0.0000	-0.0753	20.0000
Pyrene	Averaged	1.33933	19879.63	0.0000	-0.6505	20.0000
2,4,5-Trichlorophenol	Averaged	0.41331	3158.190	0.0000	1.6584	20.0000
2,4,6-Trichlorophenol	Averaged	0.39605	3045.430	0.0000	1.9976	20.0000
2-Fluorobiphenyl (S)	Averaged	1.29127	10383.45	0.0000	-0.0597	20.0000
2-Fluorophenol (S)	Averaged	1.08668	3870.910	0.0000	0.6841	20.0000
Nitrobenzene-d5 (S)	Averaged	0.28570	3909.730	0.0000	1.2234	20.0000
Phenol-d5 (S)	Averaged	1.38210	4326.520	0.0000	0.7559	20.0000
p-Terphenyl-d14 (S)	Averaged	0.84567	14348.68	0.0000	1.1480	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14492	2388.030	0.0000	3.8078	20.0000

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

SAMPLE NO.

6918504ICV

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 06/30/2014 Time: 16:35

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 063014CAL.B\100PPM-ICV.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.10980	10888.49	0.0000	9.5546	20.0000
Acenaphthylene	Averaged	1.84139	16868.67	0.0000	6.4812	20.0000
Anthracene	Averaged	1.05789	19162.12	0.0000	4.2397	20.0000
Benzo(a)anthracene	Averaged	1.00012	22377.68	0.0000	7.0121	20.0000
Benzo(a)pyrene	Averaged	1.46542	23105.55	0.0000	8.1878	20.0000
Benzo(b)fluoranthene	Averaged	1.64913	26207.67	0.0000	5.7477	20.0000
Benzo(g,h,i)perylene	Averaged	1.63182	25370.27	0.0000	7.0816	20.0000
Benzo(k)fluoranthene	Averaged	1.67087	25347.83	0.0000	5.9294	20.0000
Benzyl alcohol	Averaged	0.78225	3489.500	0.0000	11.3100	20.0000
4-Bromophenylphenyl ether	Averaged	0.23525	4386.620	0.0000	7.3133	20.0000
Butylbenzylphthalate	Averaged	0.41056	9424.700	0.0000	8.4183	20.0000
4-Chloro-3-methylphenol	Averaged	0.26567	4441.640	0.0000	9.6398	20.0000
4-Chloroaniline	Averaged	0.39025	7034.720	0.0000	5.2730	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.35001	6016.910	0.0000	7.4159	20.0000
bis(2-Chloroethyl) ether	Averaged	1.05059	4491.000	0.0000	7.1665	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.20086	5683.850	0.0000	12.4093	20.0000
2-Chloronaphthalene	Averaged	1.08527	10780.98	0.0000	6.2466	20.0000
2-Chlorophenol	Averaged	1.32979	5465.380	0.0000	7.4158	20.0000
4-Chlorophenylphenyl ether	Averaged	0.64770	6283.260	0.0000	6.3044	20.0000
Chrysene	Averaged	0.94679	21832.96	0.0000	4.6178	20.0000
Dibenz(a,h)anthracene	Averaged	1.52757	24323.04	0.0000	10.0186	20.0000
Dibenzofuran	Averaged	1.62251	15577.17	0.0000	5.5805	20.0000
3,3'-Dichlorobenzidine	Averaged	0.33596	9027.240	0.0000	2.1909	20.0000
2,4-Dichlorophenol	Averaged	0.29844	4980.690	0.0000	9.8050	20.0000
Diethylphthalate	Linear	100	112.8418	0.0000	12.8418	20.0000
2,4-Dimethylphenol	Averaged	0.29285	4942.010	0.0000	8.5273	20.0000
Dimethylphthalate	Averaged	1.26222	11879.99	0.0000	4.3215	20.0000
Di-n-butylphthalate	Averaged	1.11792	19710.28	0.0000	6.0321	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.11740	2522.010	0.0000	-22.8836	20.0000
2,4-Dinitrophenol	Linear	100	107.5485	0.0500	7.5485	20.0000
2,4-Dinitrotoluene	Averaged	0.37503	3954.560	0.0000	9.6493	20.0000
2,6-Dinitrotoluene	Averaged	0.27109	2902.640	0.0000	10.8410	20.0000
Di-n-octylphthalate	Averaged	1.45927	23261.37	0.0000	10.4834	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.59003	13727.64	0.0000	8.7365	20.0000
Fluoranthene	Averaged	1.16369	21387.46	0.0000	9.3568	20.0000
Fluorene	Linear	100	109.5968	0.0000	9.5969	20.0000

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

SAMPLE NO.

6918504ICV

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 06/30/2014 Time: 16:35

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 063014CAL.B\100PPM-ICV.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19877	3640.150	0.0000	8.1797	20.0000
Hexachlorobenzene	Averaged	0.28426	5282.960	0.0000	4.2808	20.0000
Hexachlorocyclopentadiene	Linear	100	96.90003	0.0500	-3.1000	20.0000
Hexachloroethane	Averaged	0.51252	2188.150	0.0000	4.5387	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.90952	28895.39	0.0000	8.4702	20.0000
Isophorone	Averaged	0.54834	9011.280	0.0000	4.4138	20.0000
2-Methylnaphthalene	Averaged	0.70002	10985.52	0.0000	5.8834	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.10020	4728.990	0.0000	6.8532	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.17805	5028.780	0.0000	6.8441	20.0000
Naphthalene	Averaged	1.00290	16384.81	0.0000	6.3841	20.0000
2-Nitroaniline	Averaged	0.24594	2519.840	0.0000	12.8019	20.0000
3-Nitroaniline	Averaged	0.28721	2981.080	0.0000	11.2638	20.0000
4-Nitroaniline	Averaged	0.31051	3229.030	0.0000	10.5230	20.0000
Nitrobenzene	Averaged	0.28680	4831.610	0.0000	7.8030	20.0000
2-Nitrophenol	Averaged	0.18512	3120.540	0.0000	11.5110	20.0000
4-Nitrophenol	Averaged	0.13263	1346.840	0.0500	10.6355	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.74669	3179.980	0.0500	7.2130	20.0000
N-Nitrosodiphenylamine	Averaged	0.47954	10438.46	0.0000	8.0583	20.0000
Pentachlorophenol	Linear	100	121.7127	0.0000	21.7127	20.0000
Phenanthrene	Averaged	1.01264	18663.23	0.0000	7.3326	20.0000
Phenol	Averaged	1.45901	5907.890	0.0000	6.7919	20.0000
Pyrene	Averaged	1.21231	22023.58	0.0000	8.6318	20.0000
2,4,5-Trichlorophenol	Averaged	0.40577	3944.010	0.0000	10.4817	20.0000
2,4,6-Trichlorophenol	Averaged	0.39243	3837.250	0.0000	11.0701	20.0000
2-Fluorobiphenyl (S)	Averaged	1.28447	12999.54	0.0000	7.8016	20.0000
2-Fluorophenol (S)	Averaged	1.08947	5121.890	0.0000	8.5711	20.0000
Nitrobenzene-d5 (S)	Averaged	0.28142	5008.910	0.0000	9.5919	20.0000
Phenol-d5 (S)	Averaged	1.34578	5560.230	0.0000	8.0551	20.0000
p-Terphenyl-d14 (S)	Averaged	0.79129	15791.78	0.0000	6.0373	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14401	2840.510	0.0000	12.2497	20.0000

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

SAMPLE NO.

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN CONTINUING CALIBRATION DATA

6920495CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/01/2014 Time: 13:42

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 070114.B\100PPM-A.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.10980	1.20193	0.0000	8.3014	20.0000
Acenaphthylene	Averaged	1.84139	1.96274	0.0000	6.5897	20.0000
Anthracene	Averaged	1.05789	1.10471	0.0000	4.4259	20.0000
Benzo(a)anthracene	Averaged	1.00012	1.06445	0.0000	6.4318	20.0000
Benzo(a)pyrene	Averaged	1.46542	1.60251	0.0000	9.3547	20.0000
Benzo(b)fluoranthene	Averaged	1.64913	1.78798	0.0000	8.4196	20.0000
Benzo(g,h,i)perylene	Averaged	1.63182	1.79975	0.0000	10.2909	20.0000
Benzo(k)fluoranthene	Averaged	1.67087	1.77882	0.0000	6.4606	20.0000
Benzyl alcohol	Averaged	0.78225	0.90111	0.0000	15.1941	20.0000
4-Bromophenylphenyl ether	Averaged	0.23525	0.24047	0.0000	2.2181	20.0000
Butylbenzylphthalate	Averaged	0.41056	0.42308	0.0000	3.0503	20.0000
4-Chloro-3-methylphenol	Averaged	0.26567	0.29900	0.0000	12.5488	20.0000
4-Chloroaniline	Averaged	0.39025	0.43347	0.0000	11.0766	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.35001	0.37151	0.0000	6.1446	20.0000
bis(2-Chloroethyl) ether	Averaged	1.05059	1.15057	0.0000	9.5166	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.20086	1.37759	0.0000	14.7168	20.0000
2-Chloronaphthalene	Averaged	1.08527	1.13535	0.0000	4.6142	20.0000
2-Chlorophenol	Averaged	1.32979	1.44005	0.0000	8.2918	20.0000
4-Chlorophenylphenyl ether	Averaged	0.64770	0.67107	0.0000	3.6088	20.0000
Chrysene	Averaged	0.94679	1.00085	0.0000	5.7097	20.0000
Dibenz(a,h)anthracene	Averaged	1.52757	1.69879	0.0000	11.2086	20.0000
Dibenzofuran	Averaged	1.62251	1.71074	0.0000	5.4374	20.0000
3,3'-Dichlorobenzidine	Averaged	0.33596	0.35868	0.0000	6.7616	20.0000
2,4-Dichlorophenol	Averaged	0.29844	0.32229	0.0000	7.9937	20.0000
Diethylphthalate	Linear	100	123.5506	0.0000	23.5506	20.0000
2,4-Dimethylphenol	Averaged	0.29285	0.30817	0.0000	5.2310	20.0000
Dimethylphthalate	Averaged	1.26222	1.32564	0.0000	5.0244	20.0000
Di-n-butylphthalate	Averaged	1.11792	1.14537	0.0000	2.4557	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.11740	0.14107	0.0000	20.1597	20.0000
2,4-Dinitrophenol	Linear	100	106.1604	0.0500	6.1604	20.0000
2,4-Dinitrotoluene	Averaged	0.37503	0.42454	0.0000	13.2018	20.0000
2,6-Dinitrotoluene	Averaged	0.27109	0.30193	0.0000	11.3780	20.0000
Di-n-octylphthalate	Averaged	1.45927	1.48349	0.0000	1.6592	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.59003	0.59362	0.0000	0.6085	20.0000
Fluoranthene	Averaged	1.16369	1.30243	0.0000	11.9231	20.0000
Fluorene	Linear	100	119.7678	0.0000	19.7678	20.0000

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

SAMPLE NO.

6920495CCV

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/01/2014 Time: 13:42

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 070114.B\100PPM-A.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 5099765

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19877	0.20595	0.0000	3.6138	20.0000
Hexachlorobenzene	Averaged	0.28426	0.29499	0.0000	3.7730	20.0000
Hexachlorocyclopentadiene	Linear	100	84.96578	0.0500	-15.0342	20.0000
Hexachloroethane	Averaged	0.51252	0.53643	0.0000	4.6648	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.90952	2.11553	0.0000	10.7889	20.0000
Isophorone	Averaged	0.54834	0.58306	0.0000	6.3321	20.0000
2-Methylnaphthalene	Averaged	0.70002	0.75640	0.0000	8.0545	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.10020	1.20287	0.0000	9.3320	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.17805	1.32582	0.0000	12.5431	20.0000
Naphthalene	Averaged	1.00290	1.06355	0.0000	6.0472	20.0000
2-Nitroaniline	Averaged	0.24594	0.27796	0.0000	13.0224	20.0000
3-Nitroaniline	Averaged	0.28721	0.33049	0.0000	15.0684	20.0000
4-Nitroaniline	Averaged	0.31051	0.36354	0.0000	17.0767	20.0000
Nitrobenzene	Averaged	0.28680	0.30466	0.0000	6.2269	20.0000
2-Nitrophenol	Averaged	0.18512	0.20441	0.0000	10.4175	20.0000
4-Nitrophenol	Averaged	0.13263	0.15833	0.0500	19.3776	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.74669	0.84068	0.0500	12.5865	20.0000
N-Nitrosodiphenylamine	Averaged	0.47954	0.50987	0.0000	6.3244	20.0000
Pentachlorophenol	Linear	100	112.0932	0.0000	12.0932	20.0000
Phenanthrene	Averaged	1.01264	1.08948	0.0000	7.5879	20.0000
Phenol	Averaged	1.45901	1.62046	0.0000	11.0656	20.0000
Pyrene	Averaged	1.21231	1.35795	0.0000	12.0131	20.0000
2,4,5-Trichlorophenol	Averaged	0.40577	0.43406	0.0000	6.9733	20.0000
2,4,6-Trichlorophenol	Averaged	0.39243	0.41932	0.0000	6.8523	20.0000
2-Fluorobiphenyl (S)	Averaged	1.28447	1.31850	0.0000	2.6486	20.0000
2-Fluorophenol (S)	Averaged	1.08947	1.17805	0.0000	8.1310	20.0000
Nitrobenzene-d5 (S)	Averaged	0.28142	0.30415	0.0000	8.0790	20.0000
Phenol-d5 (S)	Averaged	1.34578	1.50968	0.0000	12.1784	20.0000
p-Terphenyl-d14 (S)	Averaged	0.79129	0.84249	0.0000	6.4699	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14401	0.15621	0.0000	8.4729	20.0000

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 VIII SVOA-1
MSSV FULL SCAN INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Sample ID : 6913477CAL6 Init. Calib. Date: 06/27/2014 Time: 06/27/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/27/2014

Lab File ID: 062714CAL.B\100PPM.D Time Analyzed: 14:34

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		297397	9.942	800997	14.471	125556	4.672	497015	6.584
UPPER LIMIT		594794	10.442	1601994	14.971	251112	5.172	994030	7.084
LOWER LIMIT		148698.5	9.442	400498.5	13.971	62778	4.172	248507.5	6.084
LAB SAMPLE ID	SAMPLE NO.								
1117918	1117918BLANK	241246	9.942	653281	14.46	107525	4.672	408003	6.578
1117919	1117919LCS	246893	9.936	673343	14.471	105296	4.672	413652	6.578
5099765001	P-10 (2-4)	238678	9.942	640199	14.465	102756	4.672	396877	6.578
5099765002	P-10 (12-14)	237371	9.942	635385	14.465	103116	4.672	404119	6.578
5099765003	TMW-10 (3-5)	252356	9.942	689809	14.466	112899	4.672	425731	6.578
5099765004	TMW-10 (10-12)	241895	9.942	656497	14.466	105236	4.672	411105	6.578
5099765005	TMW-2 (3-5)	246569	9.942	690173	14.465	104617	4.672	406382	6.578
5099765006	TMW-2 (13-15)	231376	9.942	650676	14.46	104305	4.672	400463	6.578
5099765007	P-1 (1-3)	250632	9.936	690856	14.46	105075	4.672	411892	6.578
5099765008	P-1 (18-20)	240079	9.936	655061	14.465	103122	4.672	403812	6.578
5099765009	TMW-1 (1-3)	251744	9.936	695664	14.465	108733	4.672	426744	6.578
5099765010	TMW-1 (11-13)	247449	9.942	691304	14.465	105357	4.672	406228	6.578
5099765012	TMW-8 (10-12)	258303	9.936	709521	14.459	110240	4.672	429261	6.578
5099765013	P-2 (1-3)	245678	9.936	675626	14.46	104194	4.672	403261	6.578
5099765014	P-2 (18-20)	258584	9.936	706572	14.46	110219	4.672	432873	6.578
5099765015	Subsurf-Dup	256252	9.936	712303	14.459	110268	4.672	431186	6.578

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.: 5099765 Contract: Sibley-Accucast

Sample ID : 6913477CAL6 Init. Calib. Date: 06/27/2014 Time: 06/27/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 06/27/2014

Lab File ID: 062714CAL.B\100PPM.D Time Analyzed: 14:34

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		586994	11.66	780250	16.083
UPPER LIMIT		1173988	12.16	1560500	16.583
LOWER LIMIT		293497	11.16	390125	15.583
LAB SAMPLE ID	SAMPLE NO.				
1117918	1117918BLANK	476330	11.66	472817	16.083
1117919	1117919LCS	489455	11.66	490980	16.089
5099765001	P-10 (2-4)	472734	11.66	462694	16.089
5099765002	P-10 (12-14)	466488	11.66	472401	16.083
5099765003	TMW-10 (3-5)	512654	11.654	489046	16.083
5099765004	TMW-10 (10-12)	481257	11.66	477269	16.083
5099765005	TMW-2 (3-5)	500456	11.66	493269	16.083
5099765006	TMW-2 (13-15)	470430	11.66	473353	16.077
5099765007	P-1 (1-3)	509232	11.654	492745	16.083
5099765008	P-1 (18-20)	476365	11.654	472927	16.083
5099765009	TMW-1 (1-3)	498440	11.654	499986	16.083
5099765010	TMW-1 (11-13)	515395	11.66	497274	16.077
5099765012	TMW-8 (10-12)	519780	11.66	522115	16.083
5099765013	P-2 (1-3)	486239	11.654	488092	16.083
5099765014	P-2 (18-20)	515649	11.654	508327	16.077
5099765015	Subsurf-Dup	518374	11.654	518352	16.077

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.: 5099765 Contract: Sibley-Accucast

Sample ID : 6920495CCV Init. Calib. Date: 06/30/2014 Time: 06/30/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 07/01/2014

Lab File ID: 070114.B\100PPM-A.D Time Analyzed: 13:42

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		308536	9.936	782760	14.465	124124	4.672	504760	6.578
UPPER LIMIT		617072	10.436	1565520	14.965	248248	5.172	1009520	7.078
LOWER LIMIT		154268	9.436	391380	13.965	62062	4.172	252380	6.078
LAB SAMPLE ID	SAMPLE NO.								
1120686	1120686BLANK	268131	9.936	686296	14.465	121537	4.672	460126	6.578
1120687	1120687LCS	273649	9.936	723276	14.466	117198	4.672	452767	6.578
5099765011	TMW-8 (1-3)	302870	9.942	759944	14.471	125435	4.672	503112	6.583

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.: 5099765 Contract: Sibley-Accucast

Sample ID : 6920495CCV Init. Calib. Date: 06/30/2014 Time: 06/30/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 07/01/2014

Lab File ID: 070114.B\100PPM-A.D Time Analyzed: 13:42

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		601416	11.66	539114	16.083
UPPER LIMIT		1202832	12.16	1078228	16.583
LOWER LIMIT		300708	11.16	269557	15.583
LAB SAMPLE ID	SAMPLE NO.				
1120686	1120686BLANK	523218	11.654	484404	16.083
1120687	1120687LCS	547611	11.654	510719	16.083
5099765011	TMW-8 (1-3)	596876	11.66	536429	16.089

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

P-10 (2-4)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765001
Date Analyzed: 06/27/2014 17:57
Lab File ID: 062714CAL.B\5099765001.D
Initial wt/vol: 30.1 g Final wt/vol: 1 mL Dilution: 1
Instrument: 50MSS2 Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

SAMPLE NO.

P-10 (2-4)

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765001
Date Analyzed: 06/27/2014 17:57
Lab File ID: 062714CAL.B\5099765001.D
Initial wt/vol: 30.1 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765001.d
Lab Smp Id: 5099765001 Client Smp ID: P-10 (2-4)
Inj Date : 27-JUN-2014 17:57
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765001
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	10.137	% Moisture
Cpnd Variable		Local Compound Variable

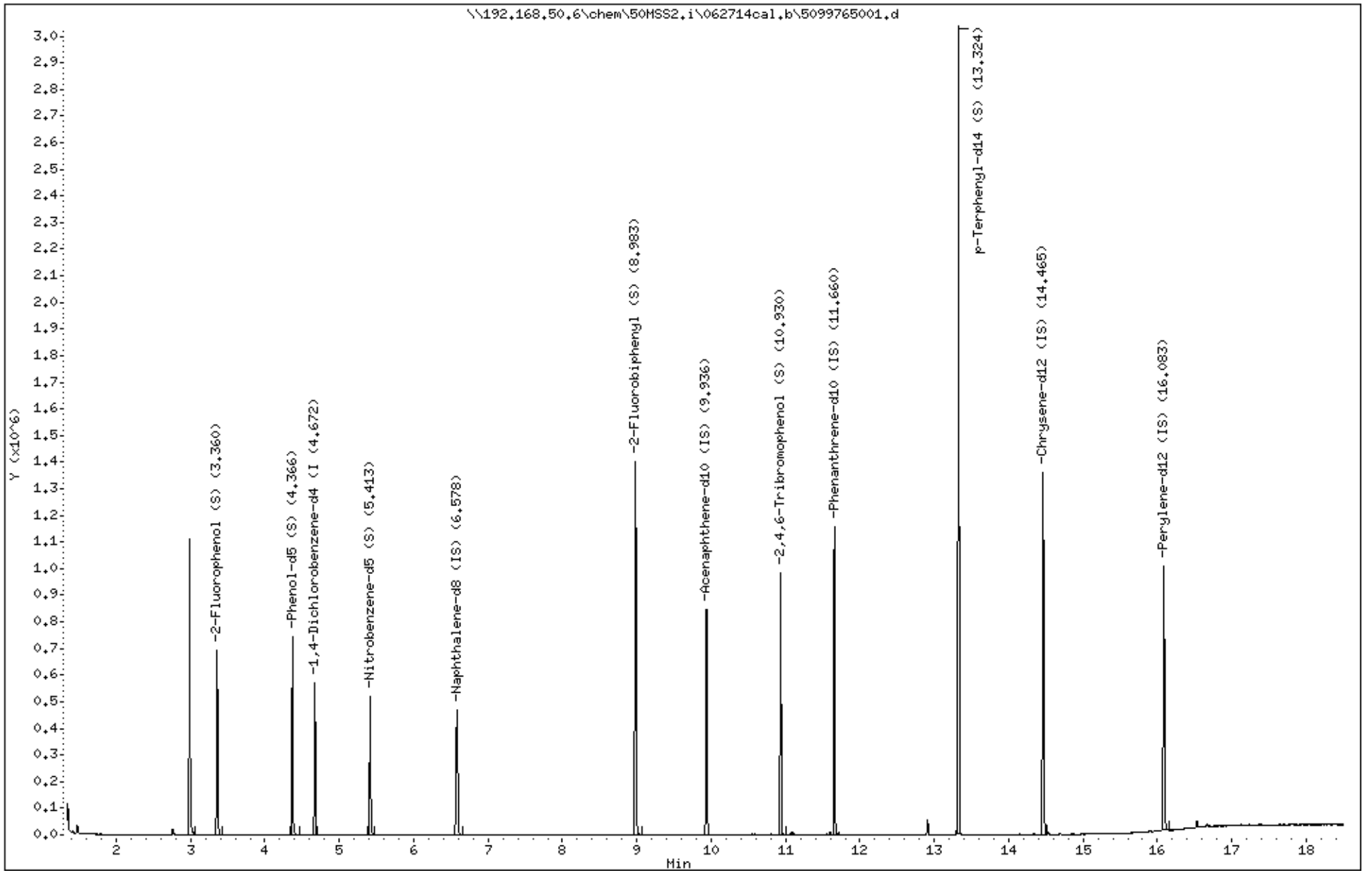
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	230798	82.6766	3056	
$ 6 Phenol-d5 (S)	99	4.365	4.366	(0.935)	305937	86.1680	3186	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	102756	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	228088	80.4643	2975	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	396877	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	638694	82.8943	3065	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	238678	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	159200	92.9547	3436	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	472734	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1042231	104.281	3855	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	640199	40.0000		
* 91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	462694	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765001.d
Date : 27-JUN-2014 17:57
Client ID: P-10 (2-4)
Sample Info: 5099765001
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

P-10 (12-14)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765002
Date Analyzed: 06/27/2014 18:20
Lab File ID: 062714CAL.B\5099765002.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 2.3%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

P-10 (12-14)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765002
Date Analyzed: 06/27/2014 18:20
Lab File ID: 062714CAL.B\5099765002.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 2.3%

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\062714cal.b\5099765002.d
Lab Smp Id: 5099765002 Client Smp ID: P-10 (12-14)
Inj Date : 27-JUN-2014 18:20
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765002
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	2.346	% Moisture
Cpnd Variable		Local Compound Variable

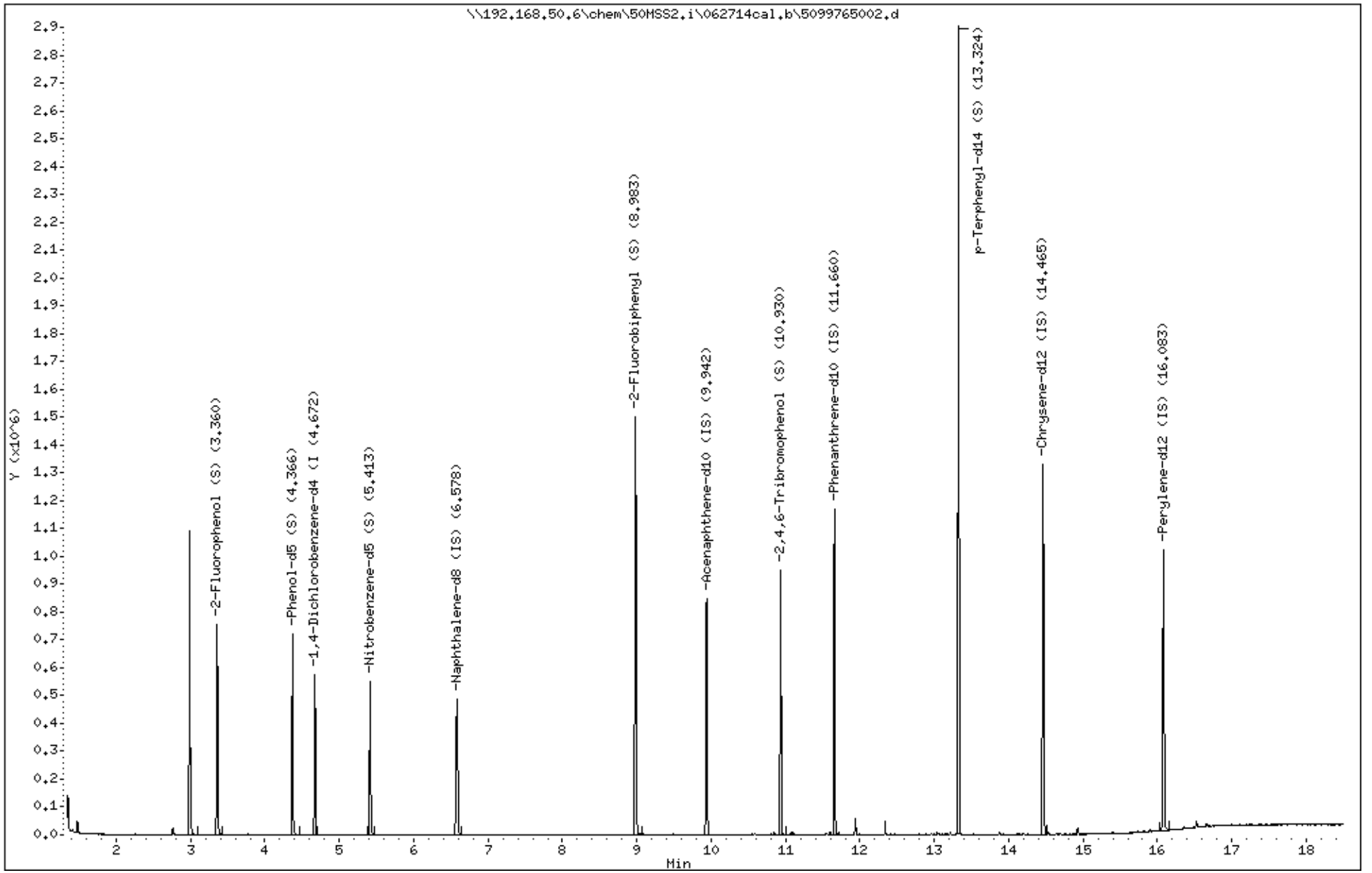
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	244462	87.2656	2959	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	318736	89.4594	3033	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	103116	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	242093	83.8745	2844	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	404119	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	668335	87.2189	2957	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	237371	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	155983	92.2958	3130	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	466488	40.0000		
76 Di-n-butylphthalate	149	12.341	12.342	(1.059)	28960	2.16131	73.28	
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1002971	101.697	3448	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	635385	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	472401	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765002.d
Date : 27-JUN-2014 18:20
Client ID: P-10 (12-14)
Sample Info: 5099765002
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765002.d

Date : 27-JUN-2014 18:20

Client ID: P-10 (12-14)

Instrument: 50MSS2.i

Sample Info: 5099765002

Volume Injected (uL): 1.0

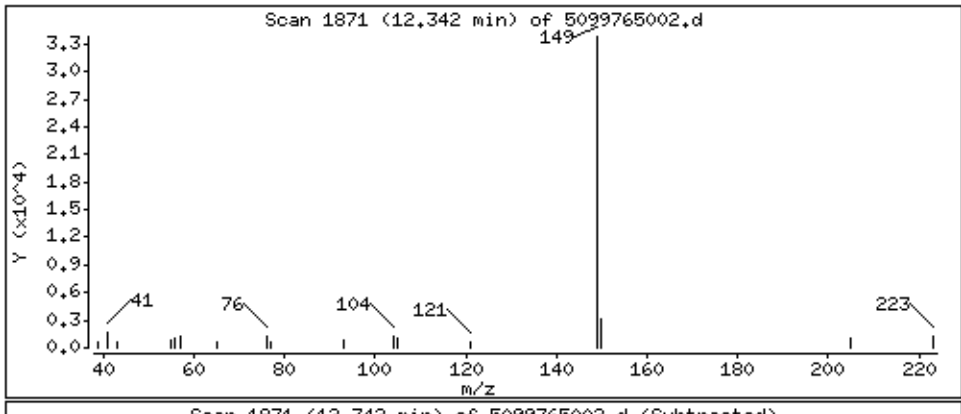
Operator: SN

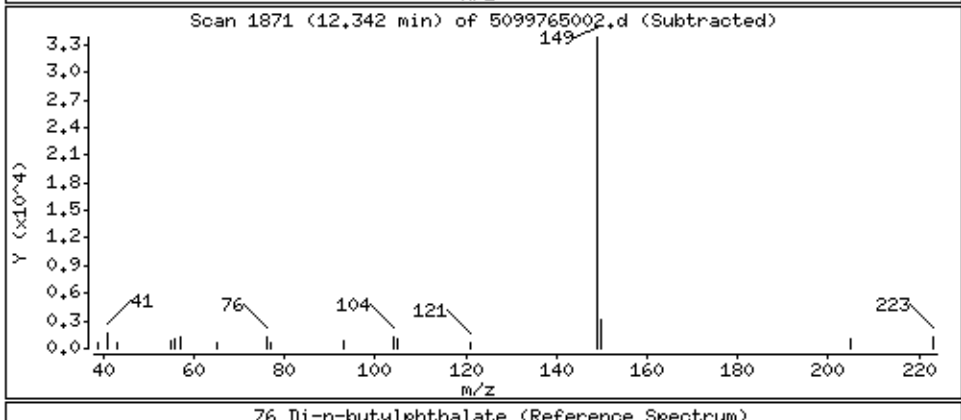
Column phase: .50um DB-5ms

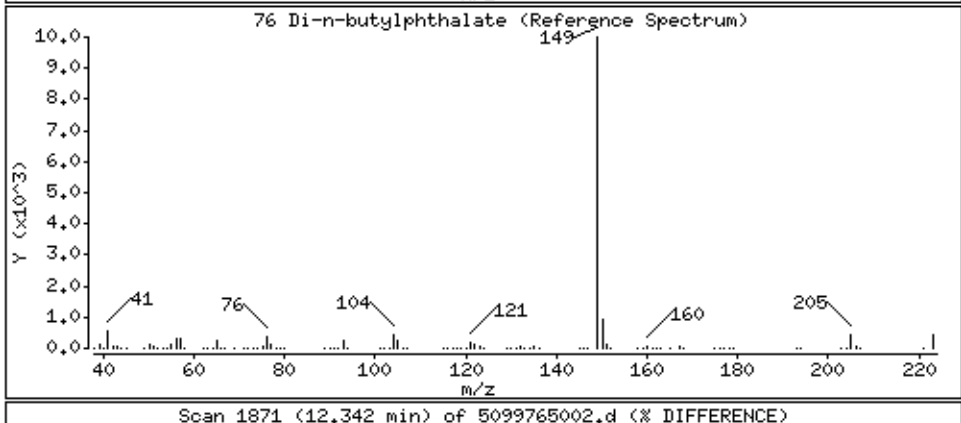
Column diameter: 0.25

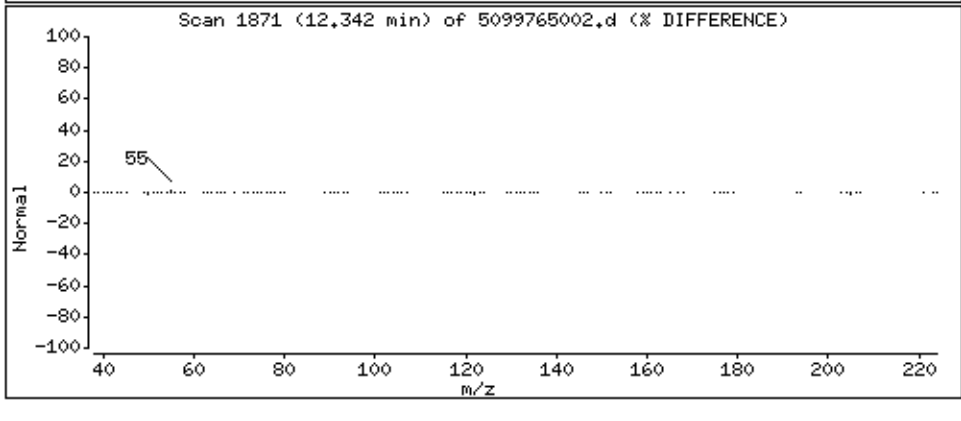
76 Di-n-butylphthalate

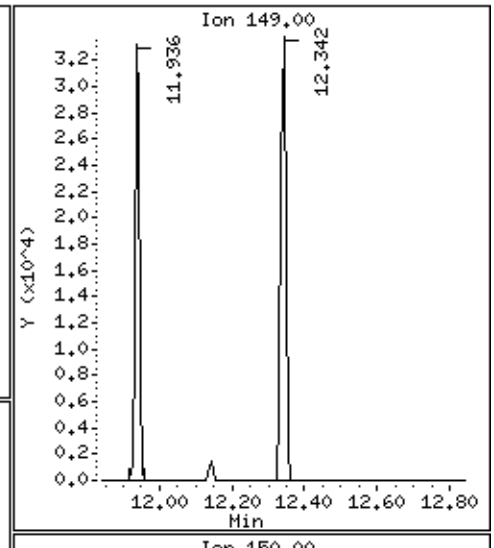
Concentration: 73.28 ug/Kg

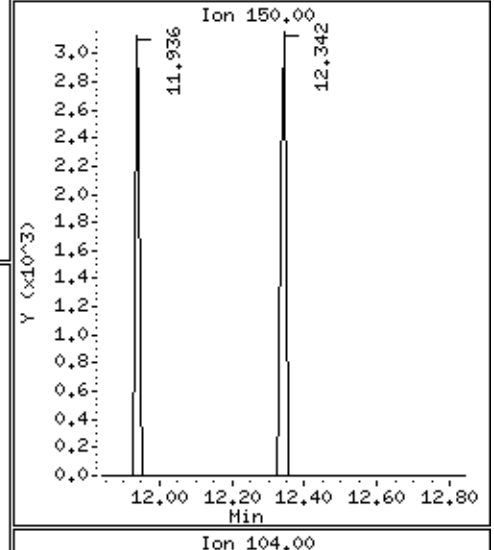


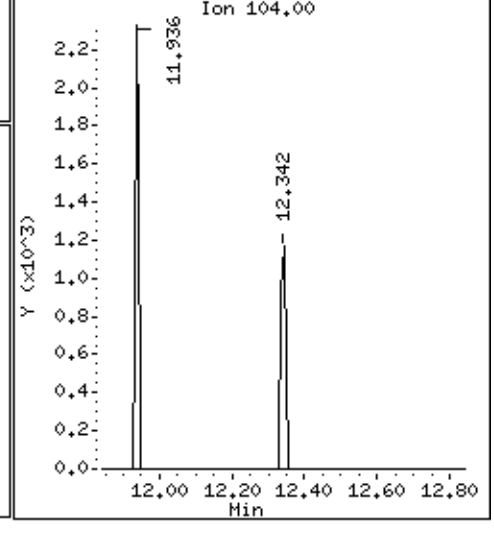












SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-10 (3-5)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765003
Date Analyzed: 06/27/2014 18:42
Lab File ID: 062714CAL.B\5099765003.D
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1
Instrument: 50MSS2 Percent Moisture: 8.2%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-10 (3-5)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765003
Date Analyzed: 06/27/2014 18:42
Lab File ID: 062714CAL.B\5099765003.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 8.2%

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

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765003.d
Lab Smp Id: 5099765003 Client Smp ID: TMW-10 (3-5)
Inj Date : 27-JUN-2014 18:42
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765003
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	8.240	% Moisture
Cpnd Variable		Local Compound Variable

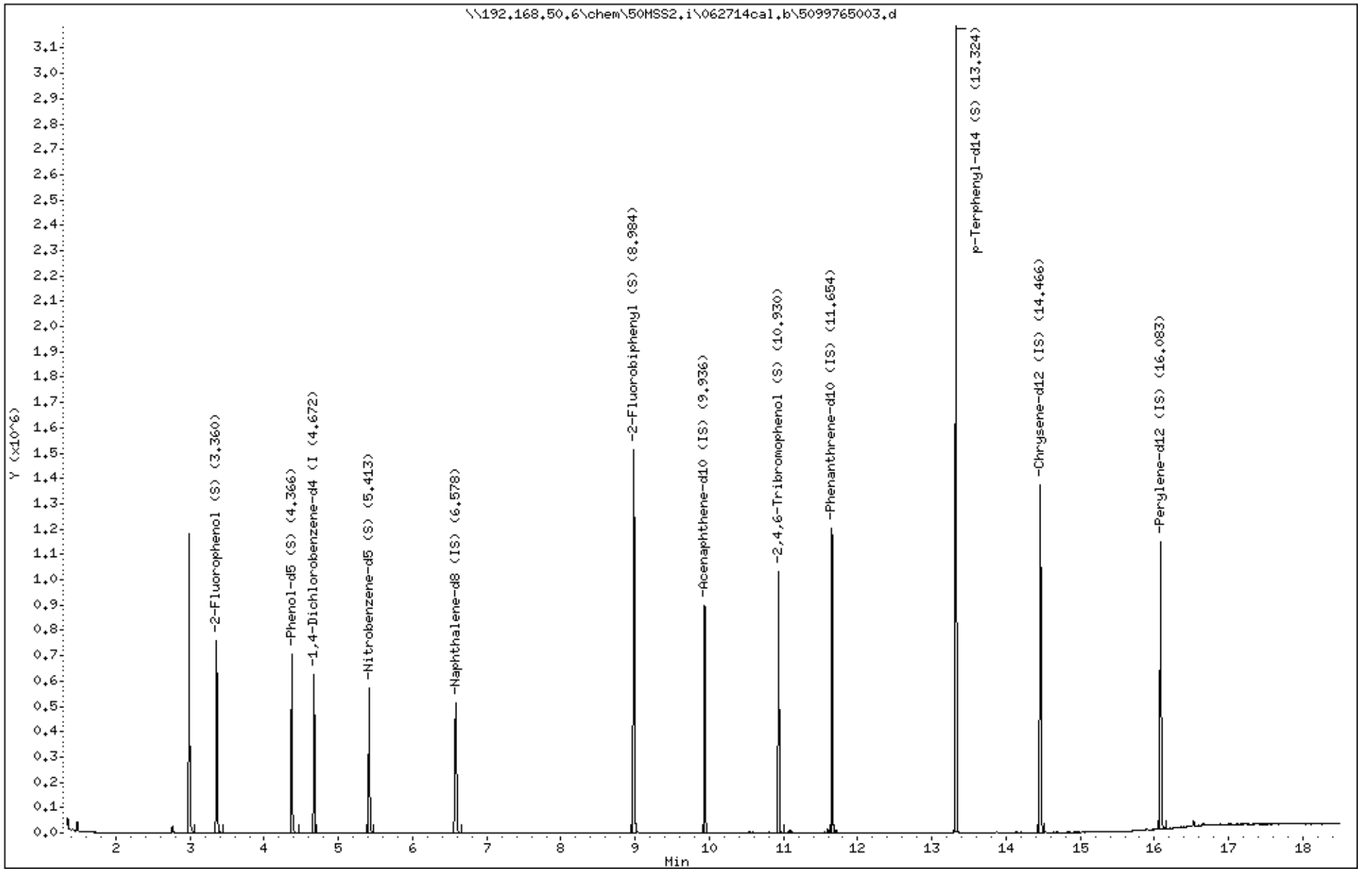
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	251360	81.9528	2957	
$ 6 Phenol-d5 (S)	99	4.372	4.366	(0.936)	325734	83.5015	3013	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	112899	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	247968	81.5488	2943	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	425731	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	689013	84.5781	3052	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	252356	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	165735	89.2349	3220	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	512654	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1109957	102.410	3696	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	689809	40.0000		
* 91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	489046	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765003.d
Date : 27-JUN-2014 18:42
Client ID: TMW-10 (3-5)
Sample Info: 5099765003
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-10 (10-12)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765004
Date Analyzed: 06/27/2014 19:05
Lab File ID: 062714CAL.B\5099765004.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-10 (10-12)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765004
Date Analyzed: 06/27/2014 19:05
Lab File ID: 062714CAL.B\5099765004.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765004.d
Lab Smp Id: 5099765004 Client Smp ID: TMW-10 (10-12)
Inj Date : 27-JUN-2014 19:05
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765004
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.300	Weight of sample extracted (g)
M	6.253	% Moisture
Cpnd Variable		Local Compound Variable

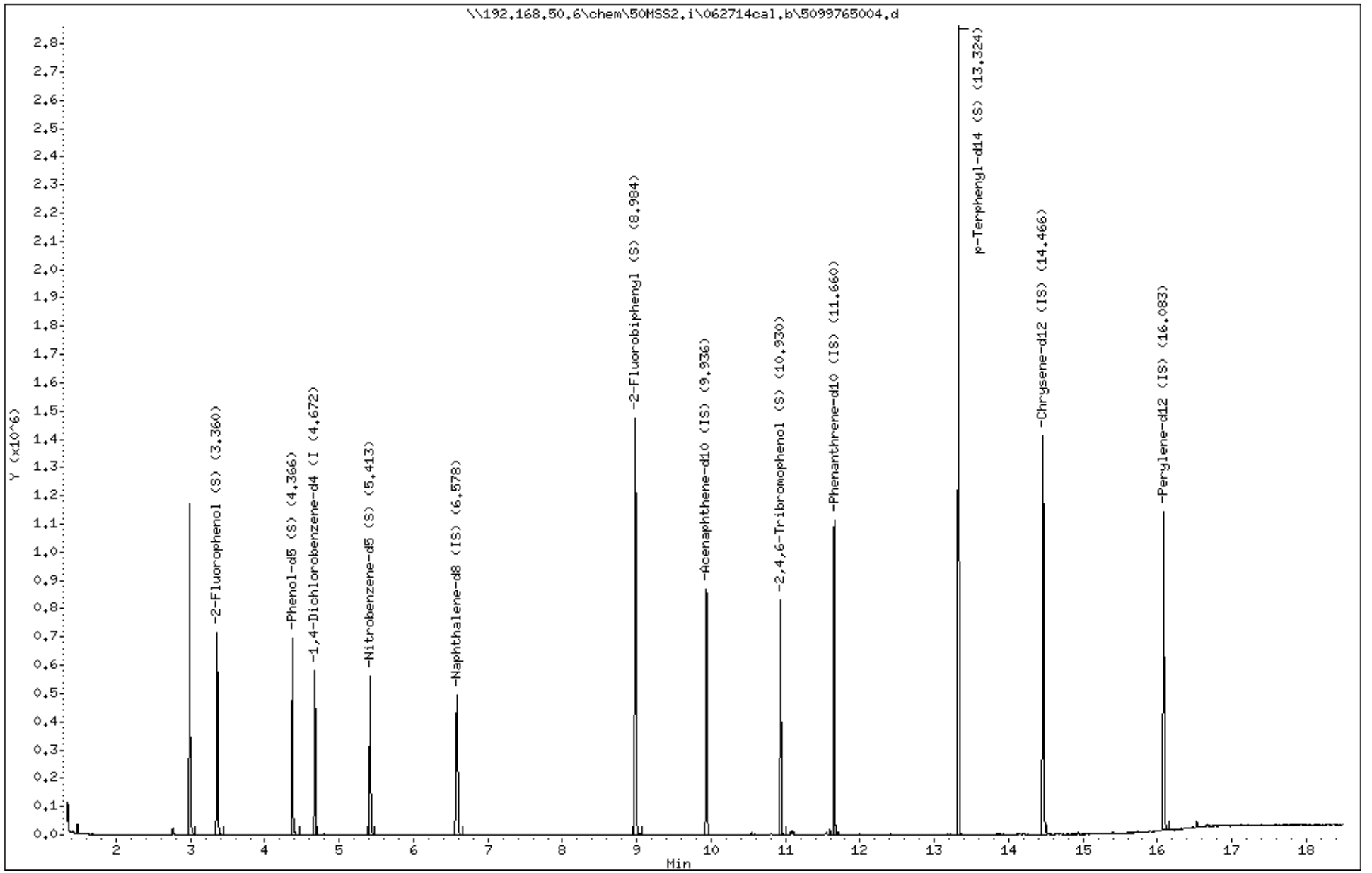
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	232019	81.1553	2857	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	313454	86.2046	3035	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	105236	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	247370	84.2464	2966	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	411105	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	673339	86.2285	3036	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	241895	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	133108	76.3435	2688	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	481257	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	998053	98.0926	3453	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	656497	40.0000		
* 91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	477269	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765004.d
Date : 27-JUN-2014 19:05
Client ID: TMW-10 (10-12)
Sample Info: 5099765004
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-2 (3-5)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765005
Date Analyzed: 06/27/2014 19:27
Lab File ID: 062714CAL.B\5099765005.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 6.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-2 (3-5)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765005
Date Analyzed: 06/27/2014 19:27
Lab File ID: 062714CAL.B\5099765005.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 6.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765005.d
Lab Smp Id: 5099765005 Client Smp ID: TMW-2 (3-5)
Inj Date : 27-JUN-2014 19:27
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765005
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.400	Weight of sample extracted (g)
M	6.406	% Moisture
Cpnd Variable		Local Compound Variable

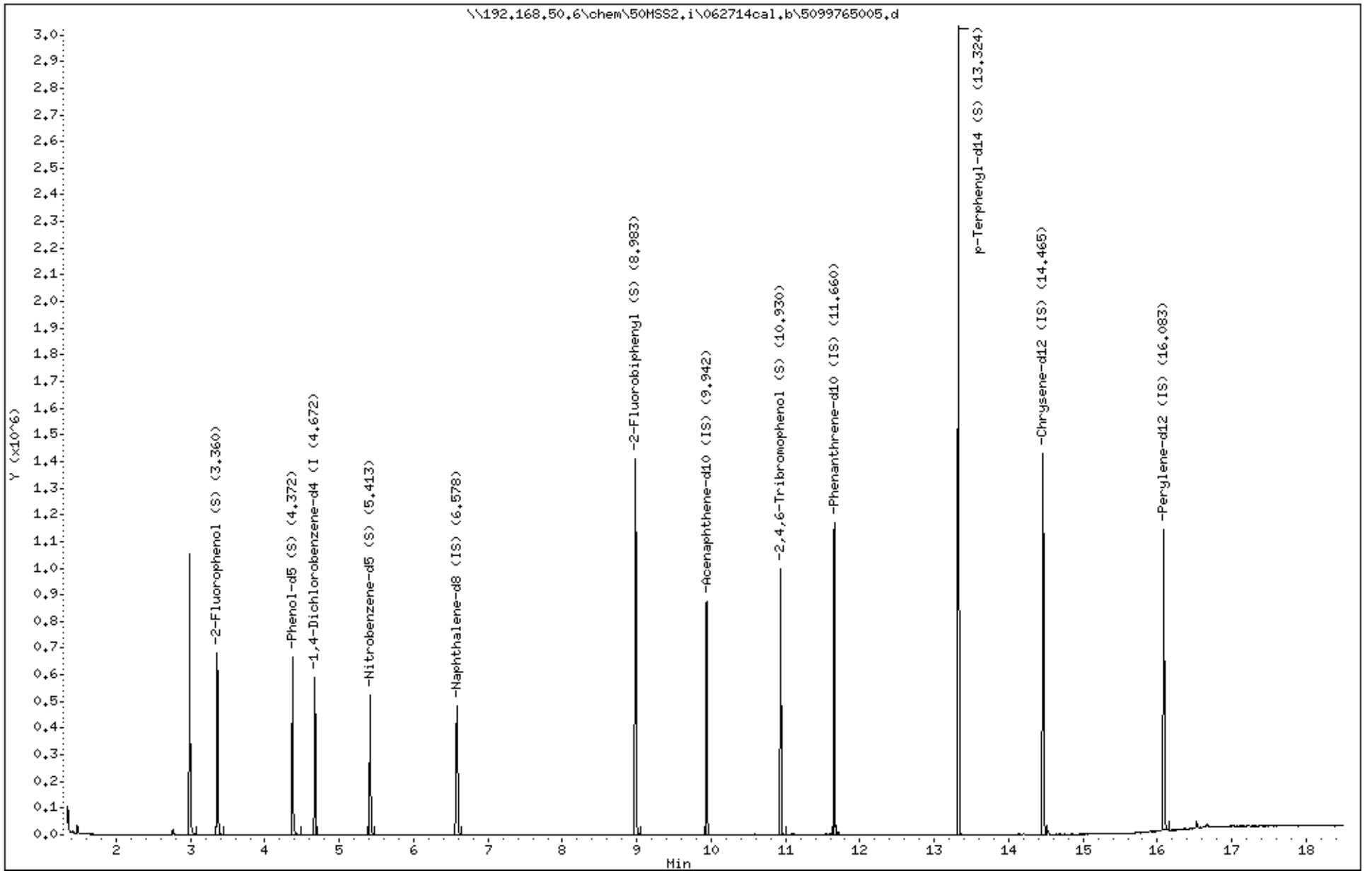
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	236625	83.2561	2926	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	304708	84.2952	2963	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	104617	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	231841	79.8753	2807	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	406382	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	645769	81.1303	2851	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	246569	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	161431	89.0361	3129	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	500456	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1067257	100.870	3545	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	690173	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	493269	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765005.d
Date : 27-JUN-2014 19:27
Client ID: TMW-2 (3-5)
Sample Info: 5099765005
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-2 (13-15)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765006
Date Analyzed: 06/27/2014 19:50
Lab File ID: 062714CAL.B\5099765006.D
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1
Instrument: 50MSS2 Percent Moisture: 16.3%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-2 (13-15)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765006
Date Analyzed: 06/27/2014 19:50
Lab File ID: 062714CAL.B\5099765006.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 16.3%

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\062714cal.b\5099765006.d
Lab Smp Id: 5099765006 Client Smp ID: TMW-2 (13-15)
Inj Date : 27-JUN-2014 19:50
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765006
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.400	Weight of sample extracted (g)
M	16.336	% Moisture
Cpnd Variable		Local Compound Variable

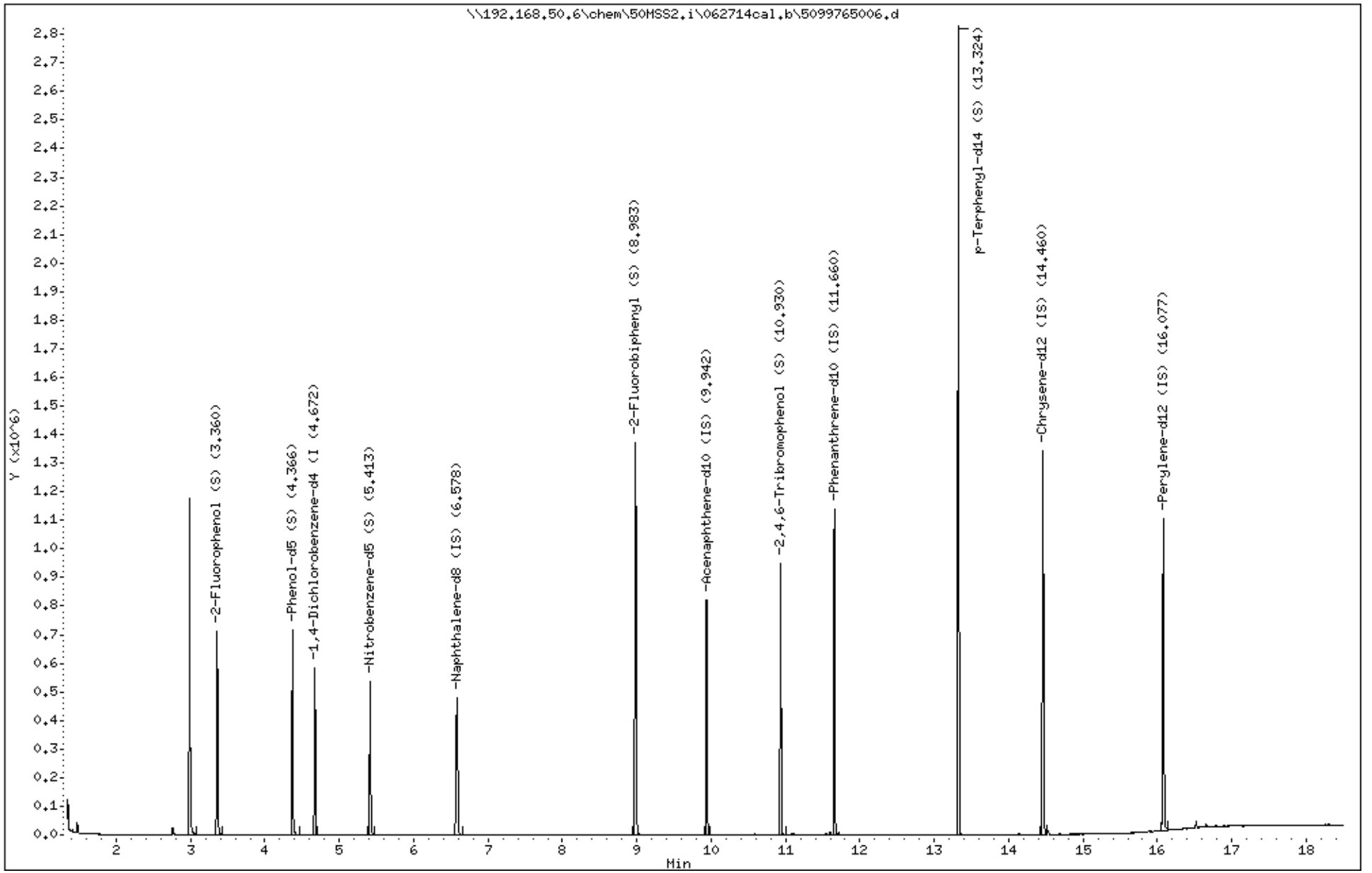
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	237048	83.6544	3289	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	309098	85.7654	3372	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	104305	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	233353	81.5846	3208	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	400463	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	640179	85.7092	3370	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	231376	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	151057	88.6321	3485	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	470430	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1017975	102.353	4024	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	650676	40.0000		
* 91 Perylene-d12 (IS)	264	16.077	16.083	(1.000)	473353	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765006.d
Date : 27-JUN-2014 19:50
Client ID: TMW-2 (13-15)
Sample Info: 5099765006
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

P-1 (1-3)

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765007
Date Analyzed: 06/27/2014 20:12
Lab File ID: 062714CAL.B\5099765007.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 4.2%

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

SAMPLE NO.

P-1 (1-3)

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765007
Date Analyzed: 06/27/2014 20:12
Lab File ID: 062714CAL.B\5099765007.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 4.2%

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

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765007.d
Lab Smp Id: 5099765007 Client Smp ID: P-1 (1-3)
Inj Date : 27-JUN-2014 20:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765007
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.300	Weight of sample extracted (g)
M	4.248	% Moisture
Cpnd Variable		Local Compound Variable

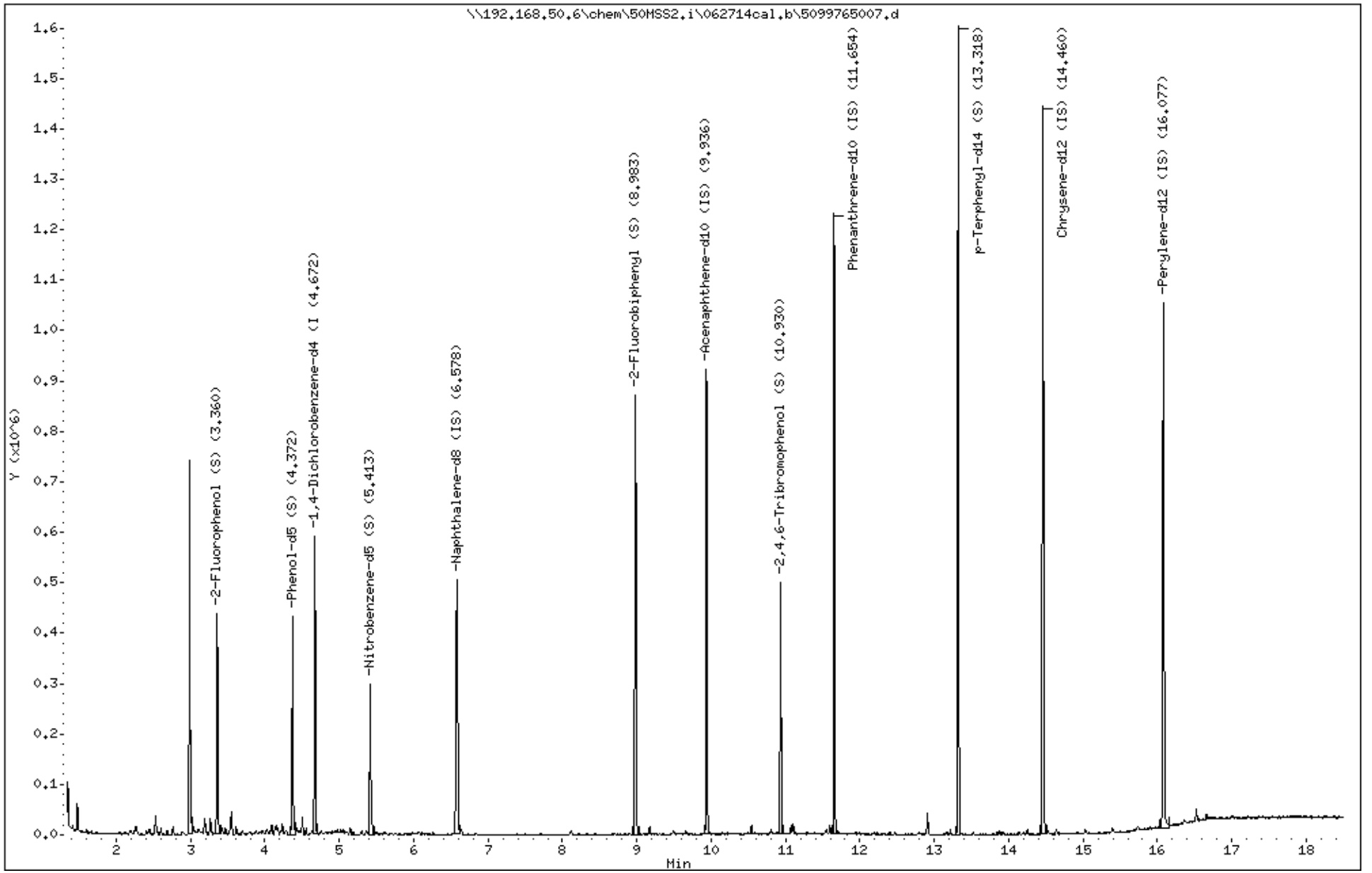
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	144890	50.7571	1749	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	182871	50.3694	1736	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	105075	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	130845	44.4765	1533	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	411892	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	413708	51.1330	1762	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	250632	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	80053	43.3917	1496	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	509232	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.318	13.324	(1.143)	555979	51.6419	1780	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	690856	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	492745	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765007.d
Date : 27-JUN-2014 20:12
Client ID: P-1 (1-3)
Sample Info: 5099765007
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

P-1 (18-20)

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765008
Date Analyzed: 06/27/2014 20:35
Lab File ID: 062714CAL.B\5099765008.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 13.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

SAMPLE NO.

P-1 (18-20)

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765008
Date Analyzed: 06/27/2014 20:35
Lab File ID: 062714CAL.B\5099765008.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 13.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	ND	U
95-48-7	2-Methylphenol(o-Cresol)	ND	U
	3&4-Methylphenol(m&p Cresol)	ND	U
91-20-3	Naphthalene	ND	U
88-74-4	2-Nitroaniline	ND	U
99-09-2	3-Nitroaniline	ND	U
100-01-6	4-Nitroaniline	ND	U
98-95-3	Nitrobenzene	ND	U
88-75-5	2-Nitrophenol	ND	U
100-02-7	4-Nitrophenol	ND	U
621-64-7	N-Nitroso-di-n-propylamine	ND	U
86-30-6	N-Nitrosodiphenylamine	ND	U
87-86-5	Pentachlorophenol	ND	U
85-01-8	Phenanthrene	ND	U
108-95-2	Phenol	ND	U
129-00-0	Pyrene	ND	U
95-95-4	2,4,5-Trichlorophenol	ND	U
88-06-2	2,4,6-Trichlorophenol	ND	U

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765008.d
Lab Smp Id: 5099765008 Client Smp ID: P-1 (18-20)
Inj Date : 27-JUN-2014 20:35
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765008
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.200	Weight of sample extracted (g)
M	13.122	% Moisture
Cpnd Variable		Local Compound Variable

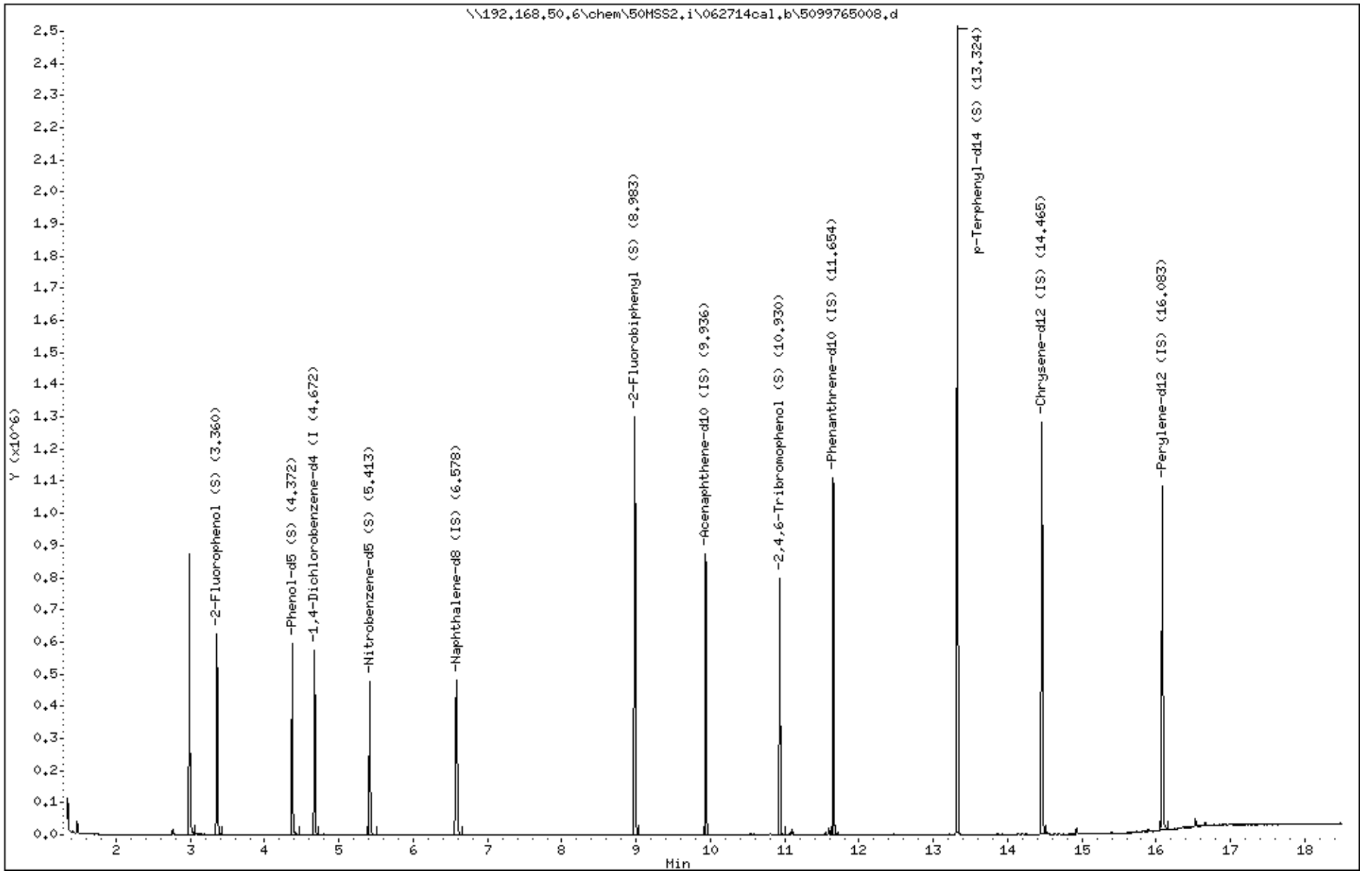
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	205120	73.2174	2790	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	265620	74.5471	2841	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	103122	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	209692	72.7042	2771	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	403812	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	598234	77.1900	2942	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	240079	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	125626	72.7922	2774	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	476365	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	894709	88.8386	3386	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	655061	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	472927	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765008.d
Date : 27-JUN-2014 20:35
Client ID: P-1 (18-20)
Sample Info: 5099765008
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (1-3)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765009
Date Analyzed: 06/27/2014 20:57
Lab File ID: 062714CAL.B\5099765009.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 4.0%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (1-3)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765009
Date Analyzed: 06/27/2014 20:57
Lab File ID: 062714CAL.B\5099765009.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 4.0%

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\062714cal.b\5099765009.d
Lab Smp Id: 5099765009 Client Smp ID: TMW-1 (1-3)
Inj Date : 27-JUN-2014 20:57
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765009
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.200	Weight of sample extracted (g)
M	3.965	% Moisture
Cpnd Variable		Local Compound Variable

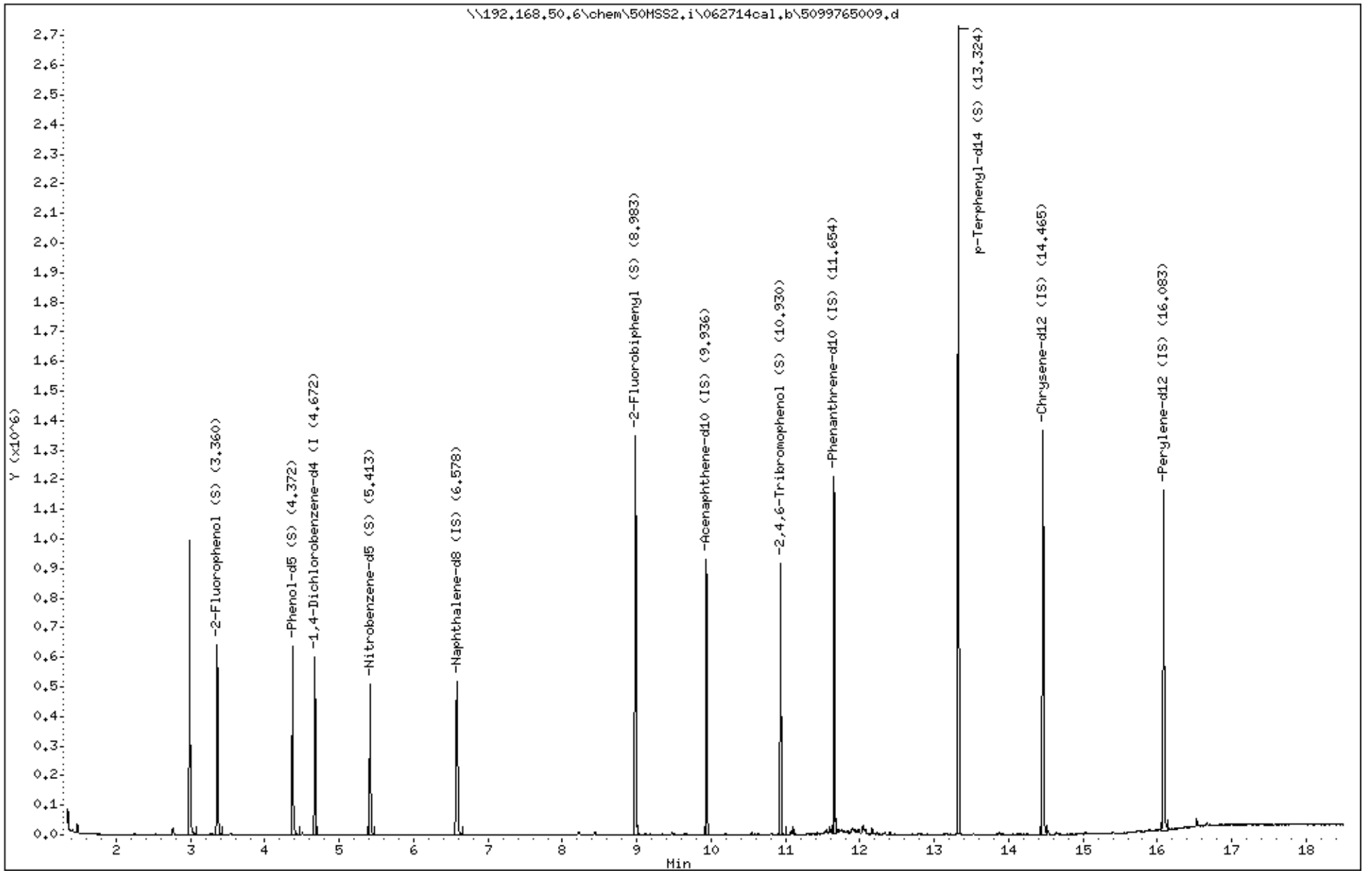
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	221687	75.0475	2588	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	289058	76.9387	2653	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	108733	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	220702	72.4095	2497	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	426744	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	620298	76.3283	2632	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	251744	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	143668	79.5595	2743	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	498440	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	996392	94.5534	3260	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	695664	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	499986	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765009.d
Date : 27-JUN-2014 20:57
Client ID: TMW-1 (1-3)
Sample Info: 5099765009
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (11-13)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765010
Date Analyzed: 06/27/2014 21:20
Lab File ID: 062714CAL.B\5099765010.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 11.0%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-1 (11-13)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765010
Date Analyzed: 06/27/2014 21:20
Lab File ID: 062714CAL.B\5099765010.D
Initial wt/vol: 30.3 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 11.0%

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\062714cal.b\5099765010.d
Lab Smp Id: 5099765010 Client Smp ID: TMW-1 (11-13)
Inj Date : 27-JUN-2014 21:20
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765010
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.300	Weight of sample extracted (g)
M	11.013	% Moisture
Cpnd Variable		Local Compound Variable

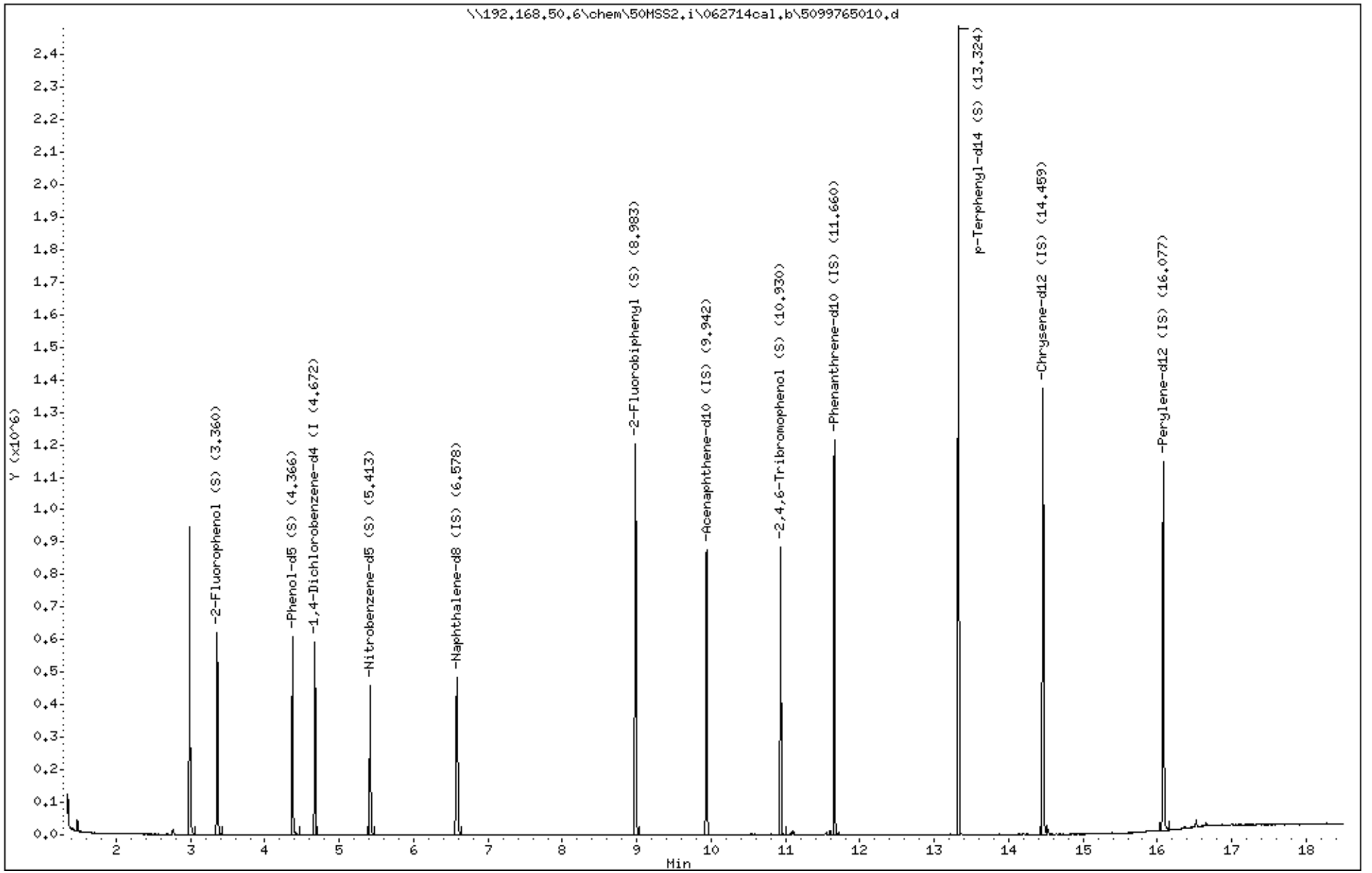
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	206159	72.0272	2671	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	271452	74.5677	2766	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	105357	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	204733	70.5627	2617	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	406228	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	558958	69.9741	2595	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	247449	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	141689	75.8824	2814	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	515395	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	863824	79.2766	2940	
* 84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	691304	40.0000		
* 91 Perylene-d12 (IS)	264	16.077	16.083	(1.000)	497274	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765010.d
Date : 27-JUN-2014 21:20
Client ID: TMW-1 (11-13)
Sample Info: 5099765010
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-8 (1-3)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 07/01/2014 11:55
Lab Sample ID: 5099765011
Date Analyzed: 07/01/2014 20:29
Lab File ID: 070114.B\5099765011RX.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 5
Instrument: 50MSS2
Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
83-32-9	Acenaphthene	ND	U
208-96-8	Acenaphthylene	ND	U
120-12-7	Anthracene	ND	U
56-55-3	Benzo(a)anthracene	ND	U
50-32-8	Benzo(a)pyrene	ND	U
205-99-2	Benzo(b)fluoranthene	ND	U
191-24-2	Benzo(g,h,i)perylene	ND	U
207-08-9	Benzo(k)fluoranthene	ND	U
100-51-6	Benzyl alcohol	ND	U
101-55-3	4-Bromophenylphenyl ether	ND	U
85-68-7	Butylbenzylphthalate	ND	U
59-50-7	4-Chloro-3-methylphenol	ND	U
106-47-8	4-Chloroaniline	ND	U
111-91-1	bis(2-Chloroethoxy)methane	ND	U
111-44-4	bis(2-Chloroethyl) ether	ND	U
108-60-1	bis(2chloro1methylethyl) ether	ND	U
91-58-7	2-Chloronaphthalene	ND	U
95-57-8	2-Chlorophenol	ND	U
7005-72-3	4-Chlorophenylphenyl ether	ND	U
218-01-9	Chrysene	ND	U
53-70-3	Dibenz(a,h)anthracene	ND	U
132-64-9	Dibenzofuran	ND	U
91-94-1	3,3'-Dichlorobenzidine	ND	U
120-83-2	2,4-Dichlorophenol	ND	U
84-66-2	Diethylphthalate	ND	U
105-67-9	2,4-Dimethylphenol	ND	U
131-11-3	Dimethylphthalate	ND	U
84-74-2	Di-n-butylphthalate	ND	U
534-52-1	4,6-Dinitro-2-methylphenol	ND	U
51-28-5	2,4-Dinitrophenol	ND	U
121-14-2	2,4-Dinitrotoluene	ND	U
606-20-2	2,6-Dinitrotoluene	ND	U
117-84-0	Di-n-octylphthalate	ND	U
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U
206-44-0	Fluoranthene	ND	U
86-73-7	Fluorene	ND	U
87-68-3	Hexachloro-1,3-butadiene	ND	U

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-8 (1-3)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 07/01/2014 11:55
Lab Sample ID: 5099765011
Date Analyzed: 07/01/2014 20:29
Lab File ID: 070114.B\5099765011RX.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 5
Instrument: 50MSS2
Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
118-74-1	Hexachlorobenzene	ND	U
77-47-4	Hexachlorocyclopentadiene	ND	U
67-72-1	Hexachloroethane	ND	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U
78-59-1	Isophorone	ND	U
91-57-6	2-Methylnaphthalene	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\070114.b\5099765011rx.d
Lab Smp Id: 5099765011
Inj Date : 01-JUL-2014 20:29
Operator : SN   Inst ID: 50MSS2.i
Smp Info : 5099765011x5
Misc Info : 15623
Comment   :
Method   : \\192.168.50.6\chem\50MSS2.i\070114.b\8270c.m
Meth Date : 02-Jul-2014 07:29 50MSS2.i   Quant Type: ISTD
Cal Date : 30-JUN-2014 15:04   Cal File: 100ppm.d
Als bottle: 24
Dil Factor: 5.00000
Integrator: HP RTE   Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	5.000	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

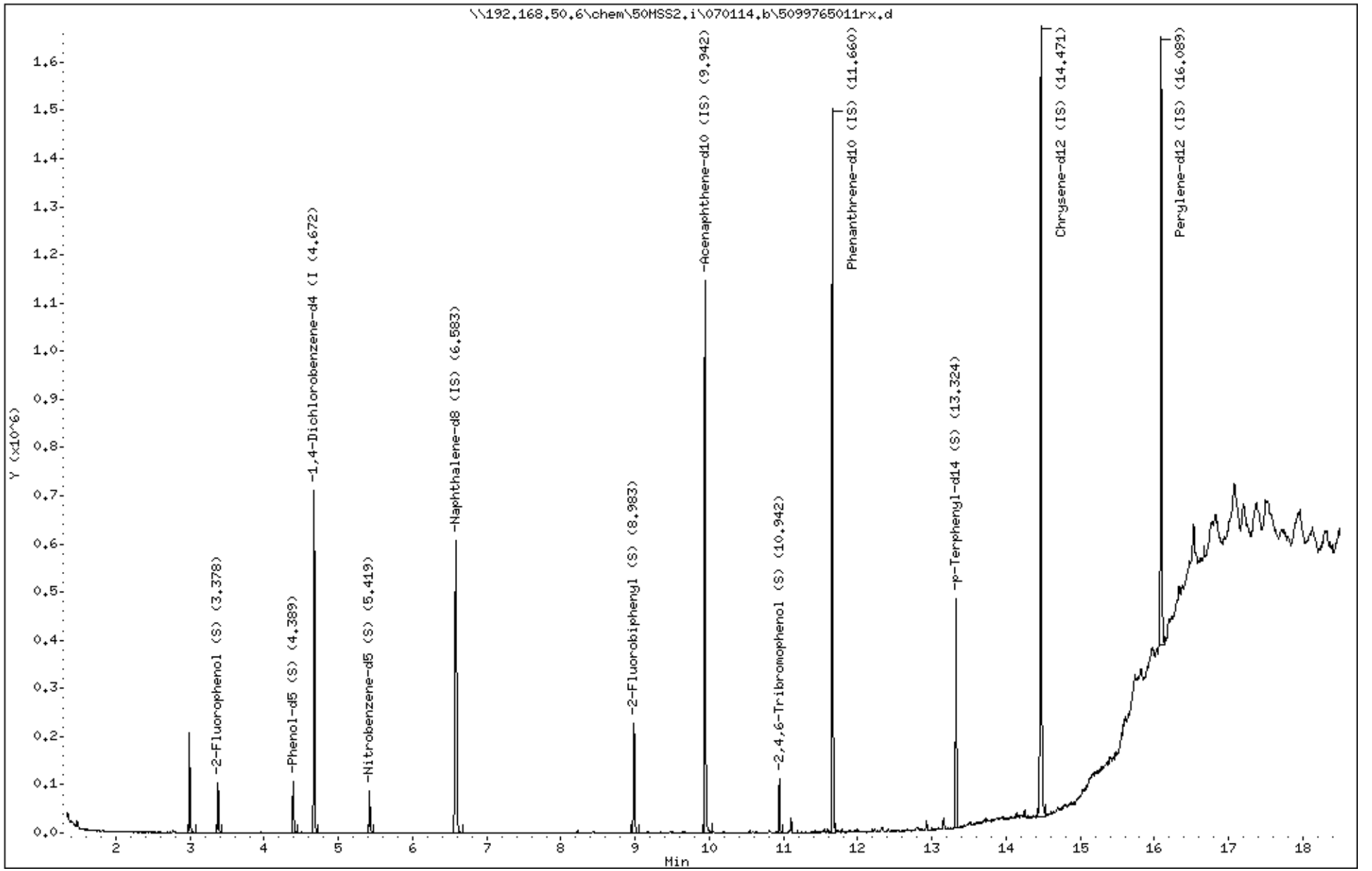
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/L)	
$ 3 2-Fluorophenol (S)	112	3.377	3.372	(0.723)	36272	10.6169	53.08	
$ 6 Phenol-d5 (S)	99	4.389	4.383	(0.940)	46728	11.0724	55.36	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	125435	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.418	5.413	(0.823)	38928	10.9979	54.99	
* 32 Naphthalene-d8 (IS)	136	6.583	6.577	(1.000)	503112	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	106080	10.9072	54.54	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.936	(1.000)	302870	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.941	10.936	(0.938)	19659	9.14827	45.74	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	596876	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	155388	13.1601	65.80	
* 84 Chrysene-d12 (IS)	240	14.471	14.465	(1.000)	759944	40.0000		
* 91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	536429	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\5099765011rx.d
Date : 01-JUL-2014 20:29
Client ID:
Sample Info: 5099765011x5
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-8 (10-12)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765012
Date Analyzed: 06/27/2014 22:05
Lab File ID: 062714CAL.B\5099765012.D
Initial wt/vol: 30 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 3.0%

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

SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

TMW-8 (10-12)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765012
Date Analyzed: 06/27/2014 22:05
Lab File ID: 062714CAL.B\5099765012.D
Initial wt/vol: 30 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 3.0%

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\062714cal.b\5099765012.d
Lab Smp Id: 5099765012 Client Smp ID: TMW-8 (10-12)
Inj Date : 27-JUN-2014 22:05
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765012
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 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	30.000	Weight of sample extracted (g)
M	3.039	% Moisture
Cpnd Variable		Local Compound Variable

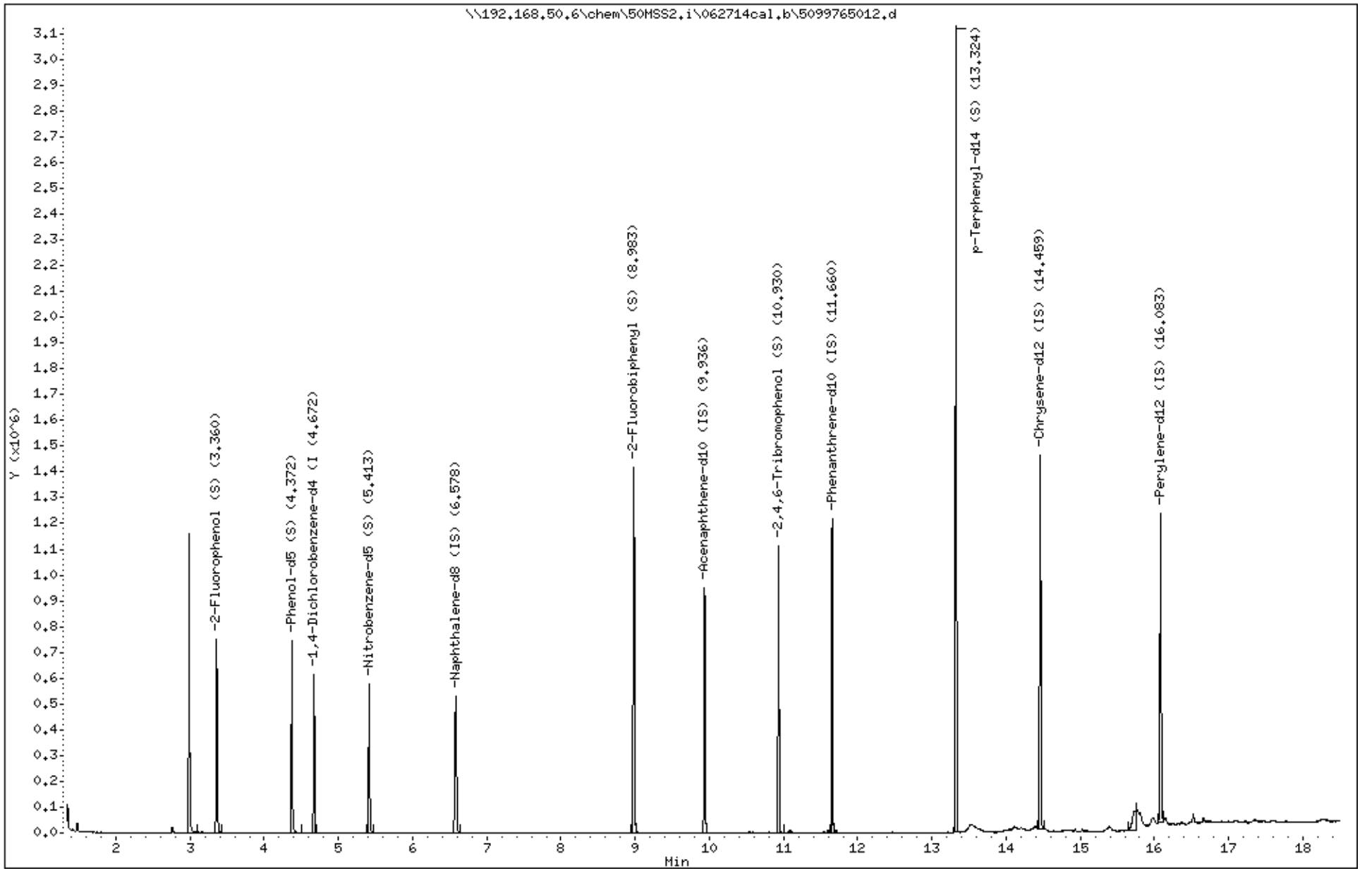
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	252410	84.2801	2897	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	330516	86.7709	2983	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	110240	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	250446	81.6864	2808	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	429261	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	691813	82.9666	2852	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	258303	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	172368	91.5339	3147	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	519780	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1115532	101.513	3490	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	709521	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	522115	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765012.d
Date : 27-JUN-2014 22:05
Client ID: TMW-8 (10-12)
Sample Info: 5099765012
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

P-2 (1-3)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765013
Date Analyzed: 06/27/2014 22:27
Lab File ID: 062714CAL.B\5099765013.D
Initial wt/vol: 30.4 g Final wt/vol: 1 mL Dilution: 1
Instrument: 50MSS2 Percent Moisture: 8.0%

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

SAMPLE NO.

P-2 (1-3)

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765013
Date Analyzed: 06/27/2014 22:27
Lab File ID: 062714CAL.B\5099765013.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 8.0%

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\062714cal.b\5099765013.d
Lab Smp Id: 5099765013 Client Smp ID: P-2 (1-3)
Inj Date : 27-JUN-2014 22:27
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765013
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	7.971	% Moisture
Cpnd Variable		Local Compound Variable

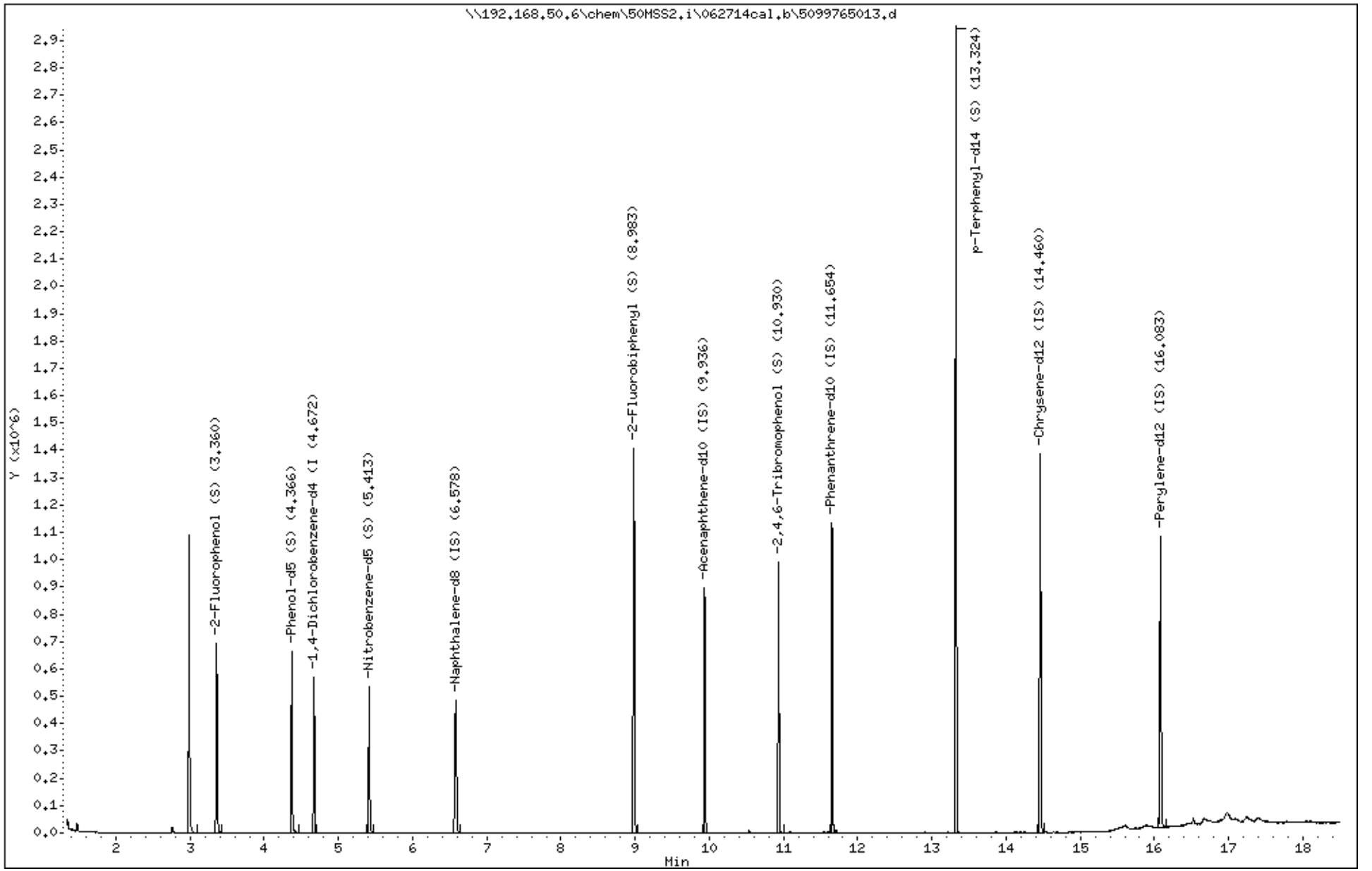
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	233787	82.5915	2952	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	307927	85.5315	3057	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	104194	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	233000	80.8959	2892	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	403261	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	652499	82.2731	2941	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	245678	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	156539	88.8624	3176	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	486239	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1076706	104.739	3744	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	675626	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	488092	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765013.d
Date : 27-JUN-2014 22:27
Client ID: P-2 (1-3)
Sample Info: 5099765013
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

P-2 (18-20)

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765014
Date Analyzed: 06/27/2014 22:50
Lab File ID: 062714CAL.B\5099765014.D
Initial wt/vol: 30.2 g Final wt/vol: 1 mL Dilution: 1
Instrument: 50MSS2 Percent Moisture: 11.3%

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

SAMPLE NO.

P-2 (18-20)

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765014
Date Analyzed: 06/27/2014 22:50
Lab File ID: 062714CAL.B\5099765014.D
Initial wt/vol: 30.2 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 11.3%

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\062714cal.b\5099765014.d
Lab Smp Id: 5099765014 Client Smp ID: P-2 (18-20)
Inj Date : 27-JUN-2014 22:50
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765014
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 29
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

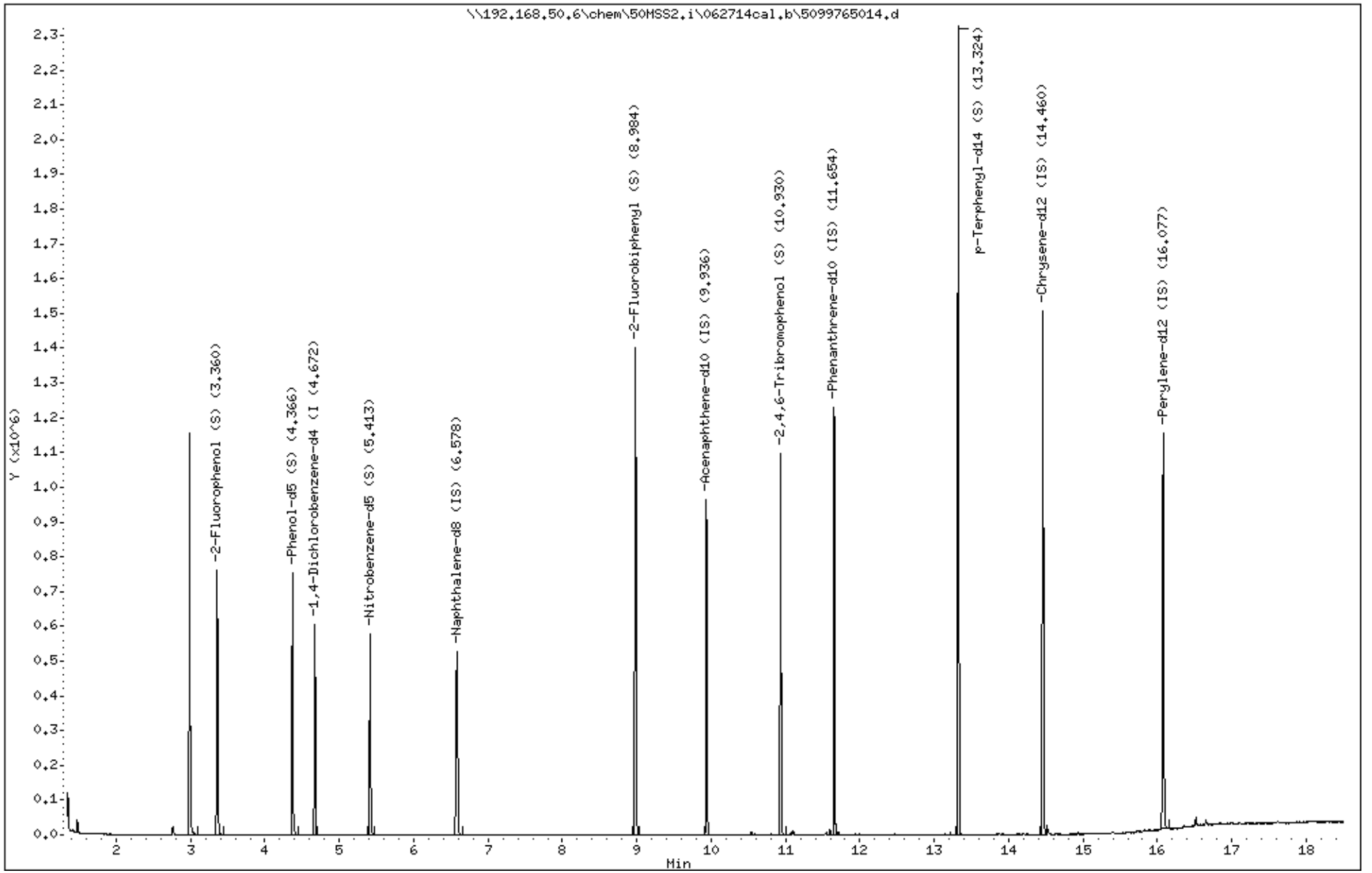
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.200	Weight of sample extracted (g)
M	11.258	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	252948	84.4758	3152	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	331941	87.1617	3252	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	110219	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	250881	81.1455	3028	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	432873	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	655738	78.5548	2931	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	258584	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	170605	91.3235	3408	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	515649	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	901352	82.6799	3085	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	706572	40.0000		
* 91 Perylene-d12 (IS)	264	16.077	16.083	(1.000)	508327	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765014.d
Date : 27-JUN-2014 22:50
Client ID: P-2 (18-20)
Instrument: 50MSS2.i
Sample Info: 5099765014
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
Column diameter: 0.25



SAMPLE NO.

Subsurf-Dup

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765015
Date Analyzed: 06/27/2014 23:12
Lab File ID: 062714CAL.B\5099765015.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 3.3%

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

SAMPLE NO.

Subsurf-Dup

MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received: 06/24/2014 12:10
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 5099765015
Date Analyzed: 06/27/2014 23:12
Lab File ID: 062714CAL.B\5099765015.D
Initial wt/vol: 30.4 g
Final wt/vol: 1 mL
Dilution: 1
Instrument: 50MSS2
Percent Moisture: 3.3%

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\062714cal.b\5099765015.d
Lab Smp Id: 5099765015 Client Smp ID: Subsurf-Dup
Inj Date : 27-JUN-2014 23:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : 5099765015
Misc Info : 15586
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-SN

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	3.284	% Moisture
Cpnd Variable		Local Compound Variable

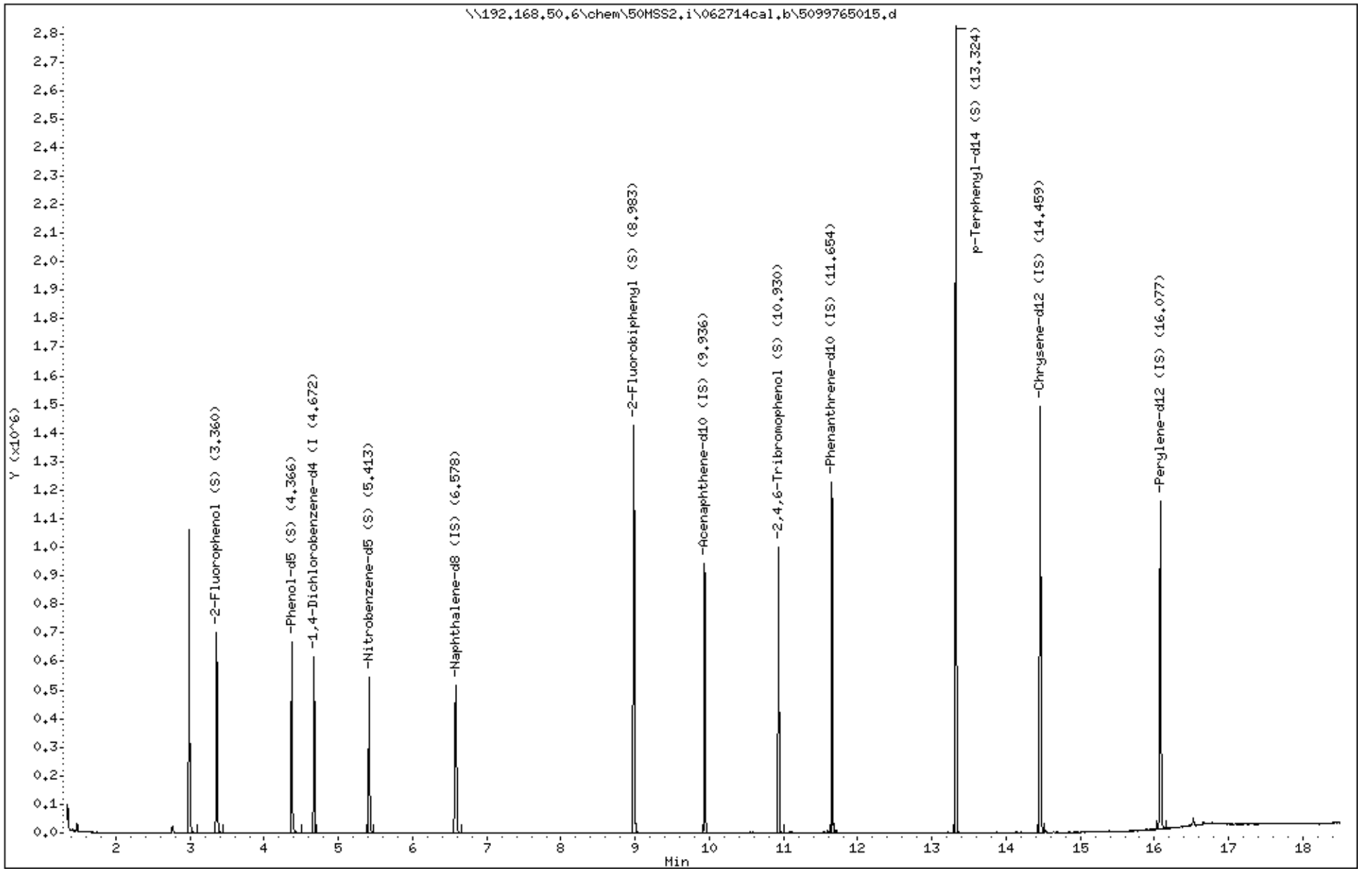
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	239255	79.8673	2716	
$ 6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	311015	81.6306	2776	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	110268	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	235987	76.6268	2606	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	431186	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	656339	79.3424	2698	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	256252	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.938)	157327	83.7732	2849	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	518374	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1092692	99.7044	3391	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	712303	40.0000		
* 91 Perylene-d12 (IS)	264	16.076	16.083	(1.000)	518352	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5099765015.d
Date : 27-JUN-2014 23:12
Client ID: Subsurf-Dup
Sample Info: 5099765015
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\5ppm.d
Lab Smp Id: CAL2,71347:1
Inj Date : 27-JUN-2014 13:04
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal2,71347:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 13:04 Cal File: 5ppm.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.030	2.025	(0.435)	6759	5.00000	5.05
	2 Pyridine	79	2.066	2.025	(0.442)	17101	5.00000	4.82
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	17215	5.00000	5.07
	5 Benzaldehyde	77	4.218	4.213	(0.903)	3246	5.00000	13.83
$	6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	21715	5.00000	5.02
	7 Phenol	94	4.383	4.383	(0.938)	24235	5.00000	5.21
	8 bis(2-Chloroethyl)ether	93	4.436	4.430	(0.950)	17439	5.00000	5.21
	9 2-Chlorophenol	128	4.489	4.483	(0.961)	21618	5.00000	5.14
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	25112	5.00000	5.33
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	125083	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	24479	5.00000	5.23
	13 Benzyl Alcohol	108	4.883	4.877	(1.045)	6073	5.00000	2.73
	14 1,2-Dichlorobenzene	146	4.907	4.901	(1.050)	23611	5.00000	5.23
	15 2-Methylphenol	108	5.054	5.054	(1.082)	18771	5.00000	5.28
	16 bis(2chloro1methylethyl) ether	45	5.060	5.054	(1.083)	22311	5.00000	5.64
	17 2,2'-Oxybis(1-chloropropane)	45	5.060	5.054	(1.083)	22311	5.00000	5.64
	18 bis(2-Chloroisopropyl)ether	45	5.060	5.054	(1.083)	22311	5.00000	5.64
	20 3&4-Methylphenol	108	5.260	5.254	(1.126)	18797	5.00000	4.95
	19 Acetophenone	105	5.207	5.201	(1.115)	27018	5.00000	5.04
	21 N-Nitroso-di-n-propylamine	70	5.248	5.242	(1.123)	12562	5.00000	5.14

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	8435	5.00000	5.18
$ 23	Nitrobenzene-d5 (S)	82	5.418	5.413	(0.824)	17390	5.00000	5.08
24	Nitrobenzene	77	5.448	5.436	(0.828)	17599	5.00000	5.06
25	Isophorone	82	5.795	5.789	(0.881)	34033	5.00000	5.05
26	2-Nitrophenol	139	5.954	5.942	(0.905)	9619	5.00000	4.37
27	2,4-Dimethylphenol	122	6.065	6.066	(0.922)	17634	5.00000	4.98
28	Benzoic Acid	122	6.277	6.354	(0.954)	4522	5.00000	2.07
29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.946)	21791	5.00000	5.14
30	2,4-Dichlorophenol	162	6.389	6.383	(0.971)	17344	5.00000	4.76
31	1,2,4-Trichlorobenzene	180	6.512	6.513	(0.990)	20249	5.00000	5.15
* 32	Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	478940	40.0000	
33	Naphthalene	128	6.618	6.618	(1.006)	64756	5.00000	5.29
35	4-Chloroaniline	127	6.859	6.848	(1.043)	25333	5.00000	5.06
34	2,6-Dichlorophenol	162	6.854	6.842	(1.042)	17887	5.00000	5.06
36	Hexachlorobutadiene	225	7.030	7.030	(1.069)	12564	5.00000	5.18
37	Caprolactam	113	7.589	7.630	(1.154)	4280	5.00000	4.20
38	4-Chloro-3-methylphenol	107	8.124	8.118	(1.235)	16000	5.00000	4.79
39	2-Methylnaphthalene	142	8.218	8.218	(1.249)	45537	5.00000	5.25
41	1-Methylnaphthalene	142	8.436	8.430	(1.283)	42891	5.00000	5.13
44	2,4,6-Trichlorophenol	196	8.877	8.871	(0.893)	13466	5.00000	4.83
45	2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	13598	5.00000	4.67
$ 46	2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	48667	5.00000	5.35
48	Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	56458	5.00000	5.50
47	2-Chloronaphthalene	162	9.100	9.101	(0.915)	42681	5.00000	5.53
49	2-Nitroaniline	65	9.383	9.383	(0.944)	7874	5.00000	4.42
50	Dimethylphthalate	163	9.706	9.706	(0.976)	50362	5.00000	5.49(M)
51	Acenaphthylene	152	9.724	9.730	(0.978)	71189	5.00000	5.32
52	2,6-Dinitrotoluene	165	9.800	9.801	(0.986)	7973	5.00000	4.13
54	3-Nitroaniline	138	9.977	9.977	(1.004)	9792	5.00000	4.47
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	281581	40.0000	
55	Acenaphthene	153	9.983	9.983	(1.004)	46005	5.00000	5.52
56	2,4-Dinitrophenol	184	10.130	10.118	(1.019)	1626	5.00000	10.02(M)
58	4-Nitrophenol	109	10.283	10.277	(1.034)	3843	5.00000	3.66
57	Dibenzofuran	168	10.189	10.195	(1.025)	62107	5.00000	5.30
59	2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	11537	5.00000	4.16
60	Diethylphthalate	149	10.600	10.606	(1.066)	48174	5.00000	5.37
61	Fluorene	166	10.612	10.618	(1.067)	52084	5.00000	5.48
62	4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	24681	5.00000	5.26
63	4-Nitroaniline	138	10.736	10.748	(1.080)	9758	5.00000	4.13
64	4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	4546	5.00000	5.33
65	N-Nitrosodiphenylamine	169	10.794	10.801	(0.926)	37071	5.00000	5.50
66	1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	44328	5.00000	5.40
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	9012	5.00000	4.56
68	4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	16831	5.00000	5.24
69	Hexachlorobenzene	284	11.336	11.342	(0.972)	20029	5.00000	5.14
70	Atrazine	200	11.436	11.448	(0.981)	12453	5.00000	5.05
71	Pentachlorophenol	266	11.553	11.553	(0.991)	5617	5.00000	7.88
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	545056	40.0000	
73	Phenanthrene	178	11.683	11.683	(1.002)	80216	5.00000	5.49
74	Anthracene	178	11.730	11.730	(1.006)	79690	5.00000	5.42
75	Carbazole	167	11.930	11.936	(1.023)	76172	5.00000	5.38
76	Di-n-butylphthalate	149	12.341	12.342	(1.059)	82347	5.00000	5.26
77	Fluoranthene	202	12.924	12.930	(1.108)	94966	5.00000	5.44
78	Benzidine	184	13.088	13.083	(1.123)	14083	5.00000	3.74

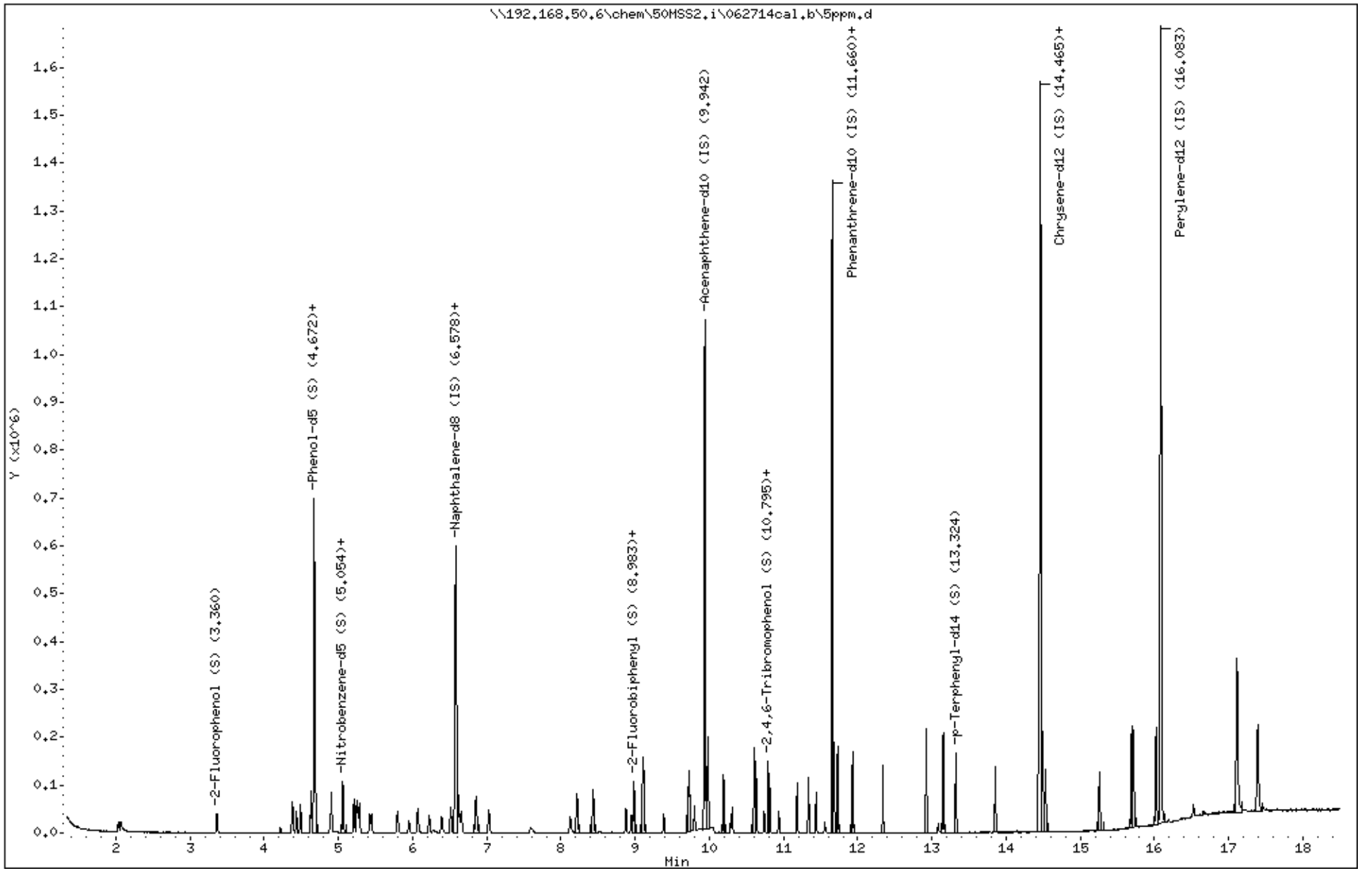
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	79 Pyrene	202	13.153	13.153	(1.128)	98959	5.00000	5.42
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	59906	5.00000	5.20
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	37466	5.00000	4.98
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	101667	5.00000	5.38
	83 3,3'-Dichlorobenzidine	252	14.447	14.447	(0.999)	29366	5.00000	4.90
*	84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	747948	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	96149	5.00000	5.32
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	52898	5.00000	4.89
	87 Di-n-octylphthalate	149	15.253	15.259	(0.948)	90489	5.00000	4.77
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	120142	5.00000	5.35
	89 Benzo(k)fluoranthene	252	15.712	15.724	(0.977)	117816	5.00000	5.21
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	102198	5.00000	5.12
*	91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	735167	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	136503	5.00000	5.13
	93 Dibenz(a,h)anthracene	278	17.118	17.130	(1.064)	110675	5.00000	5.21
	94 Benzo(g,h,i)perylene	276	17.394	17.412	(1.082)	116889	5.00000	5.12

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\5ppm.d
Date : 27-JUN-2014 13:04
Client ID:
Sample Info: CAL2,71347:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\10ppm.d
Lab Smp Id: CAL3,71348:1
Inj Date : 27-JUN-2014 13:27
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal3,71348:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 13:27 Cal File: 10ppm.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.030	2.025	(0.435)	13243	10.0000	10.30
	2 Pyridine	79	2.048	2.025	(0.438)	34022	10.0000	10.0
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	33307	10.0000	10.21
	5 Benzaldehyde	77	4.219	4.213	(0.903)	6335	10.0000	10.12
$	6 Phenol-d5 (S)	99	4.372	4.366	(0.936)	41591	10.0000	10.03
	7 Phenol	94	4.383	4.383	(0.938)	44952	10.0000	10.08
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	32553	10.0000	10.14
	9 2-Chlorophenol	128	4.489	4.483	(0.961)	40926	10.0000	10.14
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	47719	10.0000	10.55
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	120044	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	46369	10.0000	10.33
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	16670	10.0000	7.34
	14 1,2-Dichlorobenzene	146	4.907	4.901	(1.050)	44897	10.0000	10.36
	15 2-Methylphenol	108	5.054	5.054	(1.082)	35902	10.0000	10.53
	16 bis(2chloro1methylethyl) ether	45	5.060	5.054	(1.083)	42030	10.0000	11.07
	17 2,2'-Oxybis(1-chloropropane)	45	5.060	5.054	(1.083)	42030	10.0000	11.07
	18 bis(2-Chloroisopropyl)ether	45	5.060	5.054	(1.083)	42030	10.0000	11.07
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	36374	10.0000	9.98
	19 Acetophenone	105	5.201	5.201	(1.113)	51550	10.0000	10.02
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.122)	23466	10.0000	10.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	22 Hexachloroethane	117	5.283	5.283	(1.131)	16228	10.0000	10.38
$	23 Nitrobenzene-d5 (S)	82	5.419	5.413	(0.824)	32758	10.0000	10.0
	24 Nitrobenzene	77	5.442	5.436	(0.827)	34128	10.0000	10.25
	25 Isophorone	82	5.795	5.789	(0.881)	66166	10.0000	10.26
	26 2-Nitrophenol	139	5.954	5.942	(0.905)	19995	10.0000	9.49
	27 2,4-Dimethylphenol	122	6.066	6.066	(0.922)	34713	10.0000	10.24
	28 Benzoic Acid	122	6.271	6.354	(0.953)	15177	10.0000	8.26
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	42378	10.0000	10.44
	30 2,4-Dichlorophenol	162	6.389	6.383	(0.971)	34866	10.0000	9.99
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	38802	10.0000	10.30
*	32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	458693	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	122108	10.0000	10.42
	35 4-Chloroaniline	127	6.854	6.848	(1.042)	50146	10.0000	10.45
	34 2,6-Dichlorophenol	162	6.848	6.842	(1.041)	34091	10.0000	10.06
	36 Hexachlorobutadiene	225	7.030	7.030	(1.069)	23669	10.0000	10.18
	37 Caprolactam	113	7.583	7.630	(1.153)	9845	10.0000	10.09
	38 4-Chloro-3-methylphenol	107	8.118	8.118	(1.234)	31739	10.0000	9.92
	39 2-Methylnaphthalene	142	8.212	8.218	(1.249)	87218	10.0000	10.50
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	83265	10.0000	10.41
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	4445	10.0000	15.30
	44 2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	26995	10.0000	9.78
	45 2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	28628	10.0000	9.94
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	93488	10.0000	10.39
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	108809	10.0000	10.71
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	81075	10.0000	10.61
	49 2-Nitroaniline	65	9.383	9.383	(0.944)	16572	10.0000	9.40
	50 Dimethylphthalate	163	9.706	9.706	(0.976)	98067	10.0000	10.70(M)
	51 Acenaphthylene	152	9.724	9.730	(0.978)	139884	10.0000	10.56
	52 2,6-Dinitrotoluene	165	9.801	9.801	(0.986)	17771	10.0000	9.30
	54 3-Nitroaniline	138	9.977	9.977	(1.004)	21358	10.0000	9.85
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	278683	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	89931	10.0000	10.91
	56 2,4-Dinitrophenol	184	10.124	10.118	(1.018)	4838	10.0000	13.62(M)
	58 4-Nitrophenol	109	10.283	10.277	(1.034)	8664	10.0000	8.33
	57 Dibenzofuran	168	10.189	10.195	(1.025)	122773	10.0000	10.58
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	26297	10.0000	9.57
	60 Diethylphthalate	149	10.601	10.606	(1.066)	97647	10.0000	11.01
	61 Fluorene	166	10.612	10.618	(1.067)	102691	10.0000	10.92
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	48892	10.0000	10.53
	63 4-Nitroaniline	138	10.736	10.748	(1.080)	22223	10.0000	9.51
	64 4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	12005	10.0000	9.26
	65 N-Nitrosodiphenylamine	169	10.795	10.801	(0.926)	75097	10.0000	11.01
	66 1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	85562	10.0000	10.30
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	18881	10.0000	9.45
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	33119	10.0000	10.19
	69 Hexachlorobenzene	284	11.336	11.342	(0.972)	40209	10.0000	10.20
	70 Atrazine	200	11.436	11.448	(0.981)	25619	10.0000	10.27
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	13494	10.0000	11.39
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	551375	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	159456	10.0000	10.79
	74 Anthracene	178	11.730	11.730	(1.006)	158826	10.0000	10.68
	75 Carbazole	167	11.930	11.936	(1.023)	154037	10.0000	10.76
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	169951	10.0000	10.73
	77 Fluoranthene	202	12.924	12.930	(1.108)	190895	10.0000	10.80

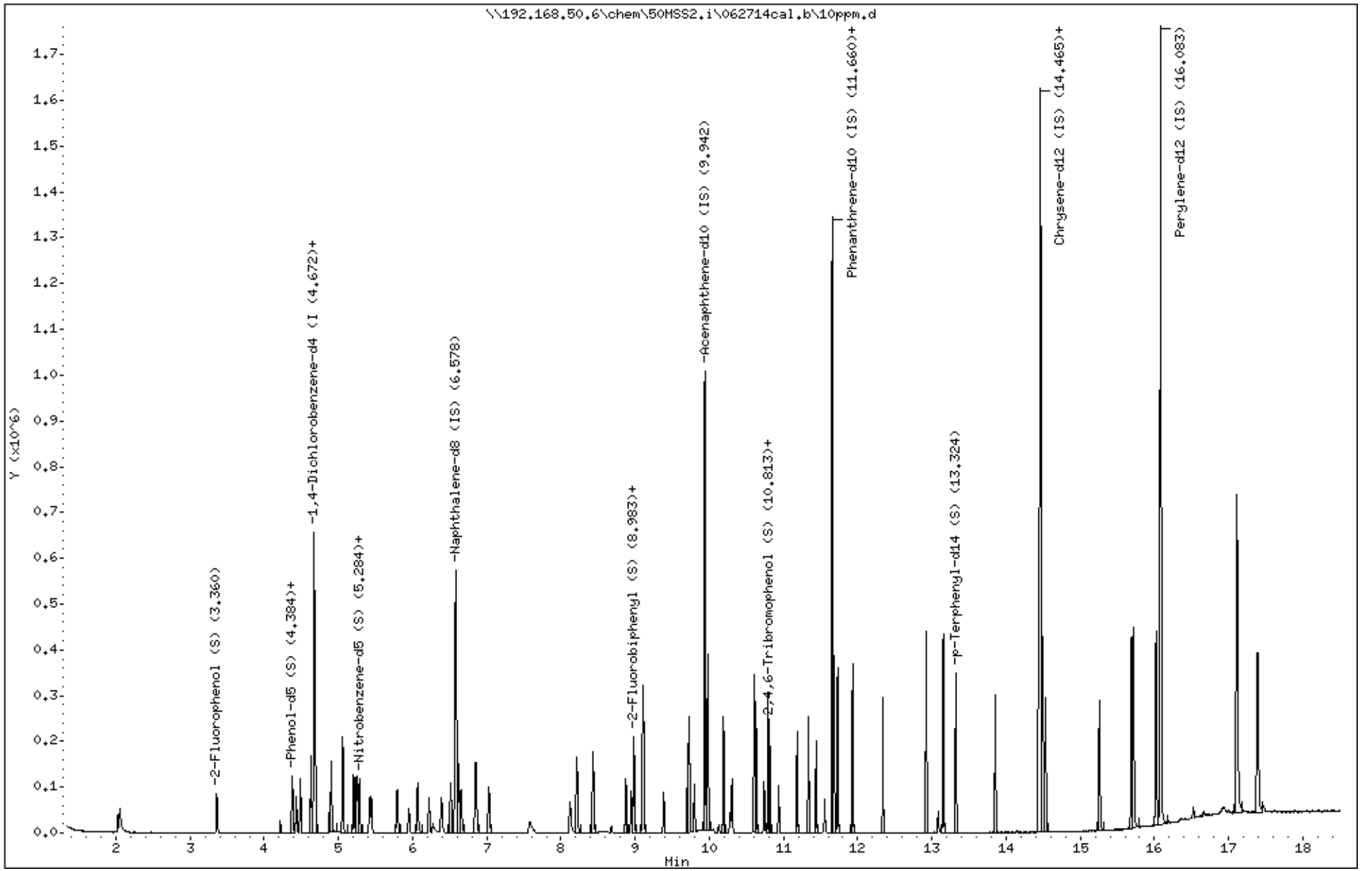
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.083	(1.122)	26852	10.0000	11.43
	79 Pyrene	202	13.153	13.153	(1.128)	201723	10.0000	10.93
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	124825	10.0000	10.71
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	79192	10.0000	10.34
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	206833	10.0000	10.74
	83 3,3'-Dichlorobenzidine	252	14.447	14.447	(0.999)	60221	10.0000	9.88
*	84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	761893	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	196861	10.0000	10.70
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	114156	10.0000	10.37
	87 Di-n-octylphthalate	149	15.253	15.259	(0.948)	193687	10.0000	10.06
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	244260	10.0000	10.73
	89 Benzo(k)fluoranthene	252	15.718	15.724	(0.977)	234452	10.0000	10.22
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	207931	10.0000	10.26
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	745593	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	276962	10.0000	10.26
	93 Dibenz(a,h)anthracene	278	17.112	17.130	(1.064)	221980	10.0000	10.30
	94 Benzo(g,h,i)perylene	276	17.394	17.412	(1.082)	239048	10.0000	10.33

QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\10ppm.d
Date : 27-JUN-2014 13:27
Client ID:
Sample Info: CAL3,71348:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\20ppm.d
Lab Smp Id: CAL4,71349:1
Inj Date : 27-JUN-2014 13:49
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal4,71349:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 13:49 Cal File: 20ppm.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.024	2.025	(0.433)	27631	20.0000	21.14(H)
	2 Pyridine	79	2.042	2.025	(0.437)	73488	20.0000	21.24
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	68836	20.0000	20.76
	5 Benzaldehyde	77	4.213	4.213	(0.902)	14581	20.0000	20.58
$	6 Phenol-d5 (S)	99	4.365	4.366	(0.935)	87094	20.0000	20.65
	7 Phenol	94	4.383	4.383	(0.938)	93666	20.0000	20.65
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	67507	20.0000	20.68
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	84943	20.0000	20.70
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	96689	20.0000	21.04
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	122040	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	96617	20.0000	21.18
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	43792	20.0000	18.96
	14 1,2-Dichlorobenzene	146	4.907	4.901	(1.050)	91150	20.0000	20.69
	15 2-Methylphenol	108	5.054	5.054	(1.082)	74185	20.0000	21.40
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	84369	20.0000	21.87
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	84369	20.0000	21.87
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	84369	20.0000	21.87
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	77416	20.0000	20.89
	19 Acetophenone	105	5.201	5.201	(1.113)	108346	20.0000	20.72
	21 N-Nitroso-di-n-propylamine	70	5.236	5.242	(1.121)	49861	20.0000	20.90

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 Hexachloroethane	117	5.283	5.283	(1.131)	32591	20.0000	20.52
$	23 Nitrobenzene-d5 (S)	82	5.412	5.413	(0.823)	69482	20.0000	20.58
	24 Nitrobenzene	77	5.442	5.436	(0.827)	71034	20.0000	20.71
	25 Isophorone	82	5.789	5.789	(0.880)	138947	20.0000	20.90
	26 2-Nitrophenol	139	5.948	5.942	(0.904)	43517	20.0000	20.05
	27 2,4-Dimethylphenol	122	6.065	6.066	(0.922)	73599	20.0000	21.08
	28 Benzoic Acid	122	6.289	6.354	(0.956)	38593	20.0000	18.11
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	88490	20.0000	21.15
	30 2,4-Dichlorophenol	162	6.383	6.383	(0.970)	74454	20.0000	20.70
	31 1,2,4-Trichlorobenzene	180	6.512	6.513	(0.990)	80938	20.0000	20.86
*	32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	472683	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	255551	20.0000	21.16
	35 4-Chloroaniline	127	6.848	6.848	(1.041)	107231	20.0000	21.68
	34 2,6-Dichlorophenol	162	6.848	6.842	(1.041)	72888	20.0000	20.88
	36 Hexachlorobutadiene	225	7.030	7.030	(1.069)	49598	20.0000	20.70
	37 Caprolactam	113	7.571	7.630	(1.151)	21993	20.0000	21.86
	38 4-Chloro-3-methylphenol	107	8.118	8.118	(1.234)	67030	20.0000	20.32
	39 2-Methylnaphthalene	142	8.212	8.218	(1.249)	180171	20.0000	21.06
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	172998	20.0000	20.98
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	17488	20.0000	21.18
	44 2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	58659	20.0000	20.52
	45 2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	60681	20.0000	20.34
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	194480	20.0000	20.87
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	226158	20.0000	21.49
	47 2-Chloronaphthalene	162	9.100	9.101	(0.915)	168176	20.0000	21.24
	49 2-Nitroaniline	65	9.377	9.383	(0.943)	36810	20.0000	20.16
	50 Dimethylphthalate	163	9.706	9.706	(0.976)	199370	20.0000	21.20
	51 Acenaphthylene	152	9.724	9.730	(0.978)	290610	20.0000	21.17
	52 2,6-Dinitrotoluene	165	9.800	9.801	(0.986)	40030	20.0000	20.23
	54 3-Nitroaniline	138	9.977	9.977	(1.004)	47143	20.0000	20.98
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	288720	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	183908	20.0000	21.53
	56 2,4-Dinitrophenol	184	10.124	10.118	(1.018)	15384	20.0000	20.47(M)
	58 4-Nitrophenol	109	10.277	10.277	(1.034)	19861	20.0000	18.43
	57 Dibenzofuran	168	10.189	10.195	(1.025)	255181	20.0000	21.22
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	58174	20.0000	20.44
	60 Diethylphthalate	149	10.600	10.606	(1.066)	200919	20.0000	21.86
	61 Fluorene	166	10.612	10.618	(1.067)	210988	20.0000	21.65
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	100176	20.0000	20.83
	63 4-Nitroaniline	138	10.736	10.748	(1.080)	49549	20.0000	20.47
	64 4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	29928	20.0000	18.46
	65 N-Nitrosodiphenylamine	169	10.794	10.801	(0.926)	150170	20.0000	21.57
	66 1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	186574	20.0000	22.01
$	67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	40578	20.0000	19.90
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	68465	20.0000	20.63
	69 Hexachlorobenzene	284	11.336	11.342	(0.972)	83085	20.0000	20.66
	70 Atrazine	200	11.441	11.448	(0.981)	54099	20.0000	21.26
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	31376	20.0000	19.15
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	562758	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	325534	20.0000	21.58
	74 Anthracene	178	11.730	11.730	(1.006)	331261	20.0000	21.84
	75 Carbazole	167	11.930	11.936	(1.023)	315739	20.0000	21.62
	76 Di-n-butylphthalate	149	12.341	12.342	(1.059)	354026	20.0000	21.90
	77 Fluoranthene	202	12.924	12.930	(1.108)	388368	20.0000	21.54

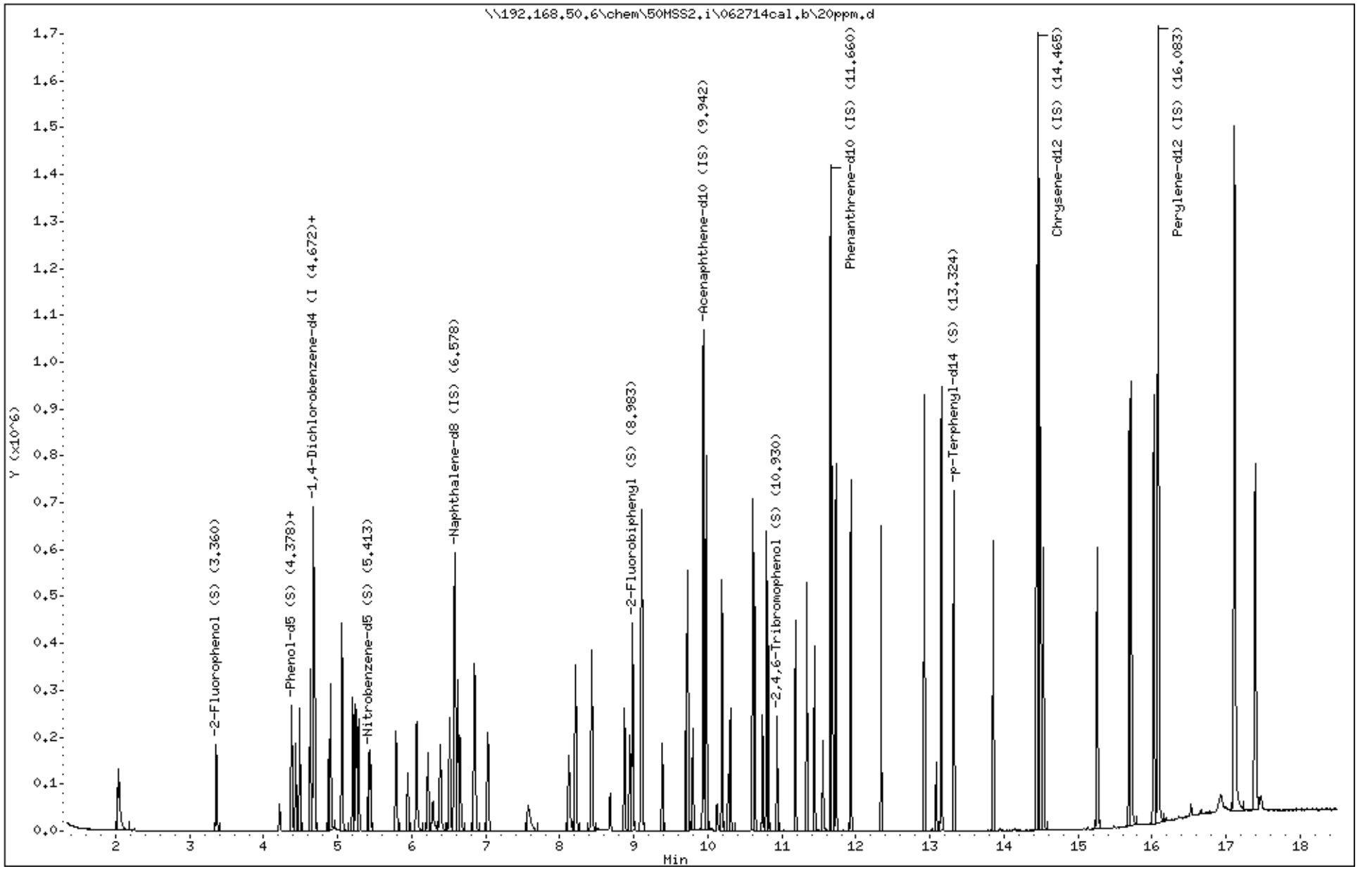
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.083	(1.122)	67923	20.0000	19.90
	79 Pyrene	202	13.153	13.153	(1.128)	409350	20.0000	21.72
$	80 p-Terphenyl-d14 (S)	244	13.318	13.324	(1.142)	253433	20.0000	21.30
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	166360	20.0000	21.72
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	416411	20.0000	21.62
	83 3,3'-Dichlorobenzidine	252	14.447	14.447	(0.999)	121721	20.0000	19.96
*	84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	762050	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	393319	20.0000	21.38
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	238721	20.0000	21.67
	87 Di-n-octylphthalate	149	15.253	15.259	(0.948)	405894	20.0000	21.08
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	485203	20.0000	21.32
	89 Benzo(k)fluoranthene	252	15.718	15.724	(0.977)	480982	20.0000	20.97
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	422543	20.0000	20.85
*	91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	745765	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	565730	20.0000	20.95
	93 Dibenz(a,h)anthracene	278	17.118	17.130	(1.064)	459116	20.0000	21.30
	94 Benzo(g,h,i)perylene	276	17.394	17.412	(1.082)	475455	20.0000	20.54

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\20ppm.d
Date : 27-JUN-2014 13:49
Client ID:
Sample Info: CAL4,71349:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\50ppm.d
Lab Smp Id: CAL5,71350:1
Inj Date : 27-JUN-2014 14:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal5,71350:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:12 Cal File: 50ppm.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.019	2.025	(0.432)	62901	50.0000	49.08(H)
	2 Pyridine	79	2.031	2.025	(0.435)	172769	50.0000	50.92
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	158458	50.0000	48.73
	5 Benzaldehyde	77	4.213	4.213	(0.902)	38629	50.0000	39.58
$	6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	202206	50.0000	48.89
	7 Phenol	94	4.377	4.383	(0.937)	217989	50.0000	49.01
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	157042	50.0000	49.04
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	193897	50.0000	48.19
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	216909	50.0000	48.12
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	119691	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	217484	50.0000	48.60
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	112561	50.0000	52.90
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	209833	50.0000	48.56
	15 2-Methylphenol	108	5.054	5.054	(1.082)	165761	50.0000	48.75
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	190924	50.0000	50.45
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	190924	50.0000	50.45
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	190924	50.0000	50.45
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	180302	50.0000	49.60
	19 Acetophenone	105	5.201	5.201	(1.113)	248830	50.0000	48.53
	21 N-Nitroso-di-n-propylamine	70	5.236	5.242	(1.121)	115469	50.0000	49.34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	22 Hexachloroethane	117	5.283	5.283	(1.131)	74405	50.0000	47.76
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	162699	50.0000	47.87
	24 Nitrobenzene	77	5.436	5.436	(0.827)	167284	50.0000	48.44
	25 Isophorone	82	5.789	5.789	(0.880)	323742	50.0000	48.38
	26 2-Nitrophenol	139	5.942	5.942	(0.903)	106225	50.0000	48.62
	27 2,4-Dimethylphenol	122	6.060	6.066	(0.921)	170292	50.0000	48.44
	28 Benzoic Acid	122	6.313	6.354	(0.960)	107138	50.0000	49.48
	29 bis(2-Chloroethoxy)methane	93	6.219	6.218	(0.945)	206001	50.0000	48.92
	30 2,4-Dichlorophenol	162	6.383	6.383	(0.970)	175145	50.0000	48.38
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	188029	50.0000	48.14
*	32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	475836	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	585940	50.0000	48.18
	35 4-Chloroaniline	127	6.848	6.848	(1.041)	247407	50.0000	49.70
	34 2,6-Dichlorophenol	162	6.842	6.842	(1.040)	169937	50.0000	48.36
	36 Hexachlorobutadiene	225	7.030	7.030	(1.069)	115337	50.0000	47.82
	37 Caprolactam	113	7.589	7.630	(1.154)	55386	50.0000	54.70
	38 4-Chloro-3-methylphenol	107	8.118	8.118	(1.234)	160481	50.0000	48.33
	39 2-Methylnaphthalene	142	8.212	8.218	(1.249)	414381	50.0000	48.11
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	405347	50.0000	48.84
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	64063	50.0000	42.48
	44 2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	139702	50.0000	48.95
	45 2,4,5-Trichlorophenol	196	8.942	8.948	(0.899)	144133	50.0000	48.39
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	455165	50.0000	48.92
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	517226	50.0000	49.24
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	391787	50.0000	49.56
	49 2-Nitroaniline	65	9.377	9.383	(0.943)	90885	50.0000	49.85
	50 Dimethylphthalate	163	9.707	9.706	(0.976)	460825	50.0000	49.09
	51 Acenaphthylene	152	9.724	9.730	(0.978)	679734	50.0000	49.60
	52 2,6-Dinitrotoluene	165	9.801	9.801	(0.986)	98709	50.0000	49.97
	54 3-Nitroaniline	138	9.977	9.977	(1.004)	114643	50.0000	51.12
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	288243	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	422719	50.0000	49.57
	56 2,4-Dinitrophenol	184	10.118	10.118	(1.018)	50467	50.0000	42.00
	58 4-Nitrophenol	109	10.271	10.277	(1.033)	51809	50.0000	48.15
	57 Dibenzofuran	168	10.189	10.195	(1.025)	589228	50.0000	49.08
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	141833	50.0000	49.92
	60 Diethylphthalate	149	10.601	10.606	(1.066)	458971	50.0000	50.02
	61 Fluorene	166	10.612	10.618	(1.067)	488626	50.0000	50.22
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	235170	50.0000	48.97
	63 4-Nitroaniline	138	10.742	10.748	(1.080)	121141	50.0000	50.12
	64 4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	86064	50.0000	47.00
	65 N-Nitrosodiphenylamine	169	10.795	10.801	(0.926)	350112	50.0000	49.53
	66 1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	431287	50.0000	50.12
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	99888	50.0000	48.26
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	160053	50.0000	47.51
	69 Hexachlorobenzene	284	11.336	11.342	(0.972)	195732	50.0000	47.93
	70 Atrazine	200	11.442	11.448	(0.981)	128209	50.0000	49.62
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	89602	50.0000	44.20
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	571341	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	760603	50.0000	49.67
	74 Anthracene	178	11.730	11.730	(1.006)	761146	50.0000	49.42
	75 Carbazole	167	11.930	11.936	(1.023)	729937	50.0000	49.23
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	828602	50.0000	50.49
	77 Fluoranthene	202	12.924	12.930	(1.108)	907459	50.0000	49.56

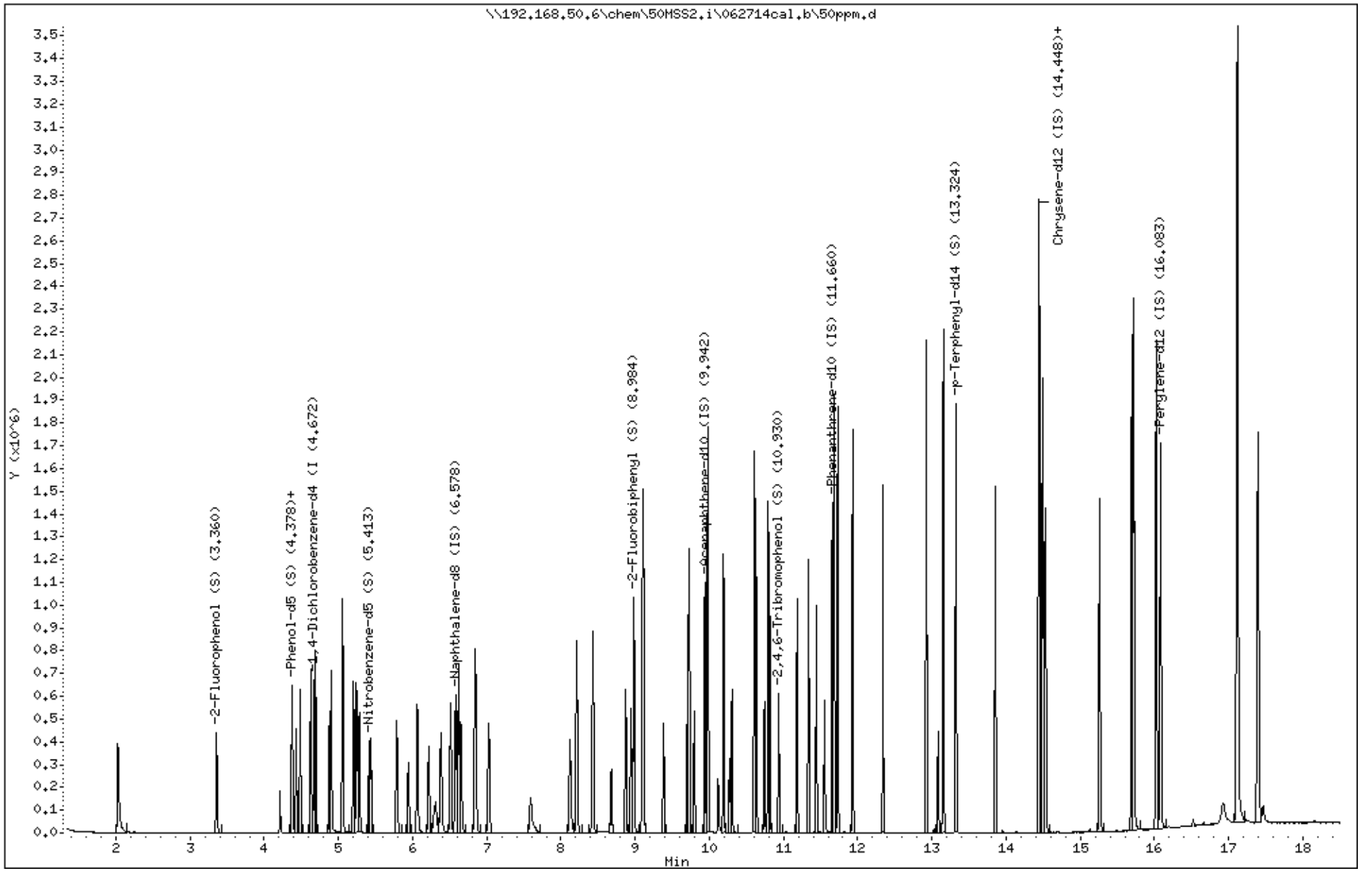
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.083	(1.122)	185879	50.0000	47.09
	79 Pyrene	202	13.153	13.153	(1.128)	956899	50.0000	50.02
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	591787	50.0000	48.99
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	393656	50.0000	50.14
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	988796	50.0000	50.09
	83 3,3'-Dichlorobenzidine	252	14.447	14.447	(0.999)	299124	50.0000	47.85
*	84 Chrysene-d12 (IS)	240	14.465	14.471	(1.000)	781011	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	930956	50.0000	49.38
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	570299	50.0000	50.52
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	999624	50.0000	51.39
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	1070611	50.0000	46.55
	89 Benzo(k)fluoranthene	252	15.718	15.724	(0.977)	1241303	50.0000	53.55
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	1016062	50.0000	49.62
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	753620	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	1364600	50.0000	50.00
	93 Dibenz(a,h)anthracene	278	17.118	17.130	(1.064)	1106523	50.0000	50.80
	94 Benzo(g,h,i)perylene	276	17.400	17.412	(1.082)	1141872	50.0000	48.82

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\50ppm.d
Date : 27-JUN-2014 14:12
Client ID:
Sample Info: CAL5,71350:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\100ppm.d
Lab Smp Id: CAL6,71351:1
Inj Date : 27-JUN-2014 14:34
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal6,71351:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i 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: most.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)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.025	2.025	(0.433)	134102	100.000	99.75(H)
	2 Pyridine	79	2.025	2.025	(0.433)	353016	100.000	99.19
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	343432	100.000	100.7
	5 Benzaldehyde	77	4.213	4.213	(0.902)	108761	100.000	101.5
$	6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	437106	100.000	100.8
	7 Phenol	94	4.383	4.383	(0.938)	466199	100.000	99.92
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	335679	100.000	99.93
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	423192	100.000	100.3
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	464522	100.000	98.23
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	125556	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	465608	100.000	99.20
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	245554	100.000	103.3
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	449207	100.000	99.10
	15 2-Methylphenol	108	5.054	5.054	(1.082)	346761	100.000	97.21
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	386289	100.000	97.31
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	386289	100.000	97.31
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	386289	100.000	97.31
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	386793	100.000	101.4
	19 Acetophenone	105	5.201	5.201	(1.113)	533395	100.000	99.18
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.122)	244290	100.000	99.52
	22 Hexachloroethane	117	5.283	5.283	(1.131)	163245	100.000	99.88

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)	
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.813)	359330	100.000	101.2	
	24 Nitrobenzene	77	5.436	5.436	(0.817)	366725	100.000	101.7	
	25 Isophorone	82	5.789	5.789	(0.870)	696698	100.000	99.68	
	26 2-Nitrophenol	139	5.942	5.942	(0.893)	238523	100.000	104.5	
	27 2,4-Dimethylphenol	122	6.066	6.066	(0.912)	370760	100.000	101.0	
	28 Benzoic Acid	122	6.354	6.354	(0.955)	252413	100.000	95.06	
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.935)	435248	100.000	98.96	
	30 2,4-Dichlorophenol	162	6.383	6.383	(0.959)	384871	100.000	101.8	
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.979)	407128	100.000	99.78	
*	32 Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	497015	40.0000		(H)
	33 Naphthalene	128	6.618	6.618	(0.995)	1257192	100.000	98.98	
	35 4-Chloroaniline	127	6.848	6.848	(1.029)	515739	100.000	99.19	
	34 2,6-Dichlorophenol	162	6.842	6.842	(1.028)	369880	100.000	100.8	
	36 Hexachlorobutadiene	225	7.030	7.030	(1.057)	252507	100.000	100.2	
	37 Caprolactam	113	7.630	7.630	(1.147)	122039	100.000	115.4	
	38 4-Chloro-3-methylphenol	107	8.118	8.118	(1.220)	353626	100.000	102.0	
	39 2-Methylnaphthalene	142	8.218	8.218	(1.235)	890907	100.000	99.02	
	41 1-Methylnaphthalene	142	8.430	8.430	(1.267)	862971	100.000	99.56	
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	186865	100.000	96.00	
	44 2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	300342	100.000	102.0	
	45 2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	312392	100.000	101.6	
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	959474	100.000	99.94	
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	1073406	100.000	99.04	
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	807444	100.000	98.99	
	49 2-Nitroaniline	65	9.383	9.383	(0.944)	196478	100.000	104.4	
	50 Dimethylphthalate	163	9.706	9.706	(0.976)	962258	100.000	98.37	
	51 Acenaphthylene	152	9.730	9.730	(0.979)	1427267	100.000	100.9	
	52 2,6-Dinitrotoluene	165	9.801	9.801	(0.986)	217389	100.000	106.7	
	54 3-Nitroaniline	138	9.977	9.977	(1.004)	241374	100.000	104.3	
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	297397	40.0000		
	55 Acenaphthene	153	9.983	9.983	(1.004)	875012	100.000	99.45	
	56 2,4-Dinitrophenol	184	10.118	10.118	(1.018)	134267	100.000	96.39	
	58 4-Nitrophenol	109	10.277	10.277	(1.034)	118705	100.000	106.9	
	57 Dibenzofuran	168	10.195	10.195	(1.025)	1229716	100.000	99.27	
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	309108	100.000	105.4	
	60 Diethylphthalate	149	10.606	10.606	(1.067)	936725	100.000	98.94	
	61 Fluorene	166	10.618	10.618	(1.068)	1003966	100.000	100.0	
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	492650	100.000	99.43	
	63 4-Nitroaniline	138	10.748	10.748	(1.081)	264589	100.000	106.1	
	64 4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	200068	100.000	102.7	
	65 N-Nitrosodiphenylamine	169	10.801	10.801	(0.926)	722667	100.000	99.51	
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	889659	100.000	100.6	
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	220759	100.000	103.8	
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	346299	100.000	100.1	
	69 Hexachlorobenzene	284	11.342	11.342	(0.973)	417792	100.000	99.59	
	70 Atrazine	200	11.448	11.448	(0.982)	266976	100.000	100.6	
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	216124	100.000	96.60	
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	586994	40.0000		
	73 Phenanthrene	178	11.683	11.683	(1.002)	1554803	100.000	98.82	
	74 Anthracene	178	11.730	11.730	(1.006)	1575037	100.000	99.54	
	75 Carbazole	167	11.936	11.936	(1.024)	1517410	100.000	99.62	
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	1681116	100.000	99.71	
	77 Fluoranthene	202	12.930	12.930	(1.109)	1882095	100.000	100.0	
	78 Benzidine	184	13.083	13.083	(1.122)	471453	100.000	100.2	

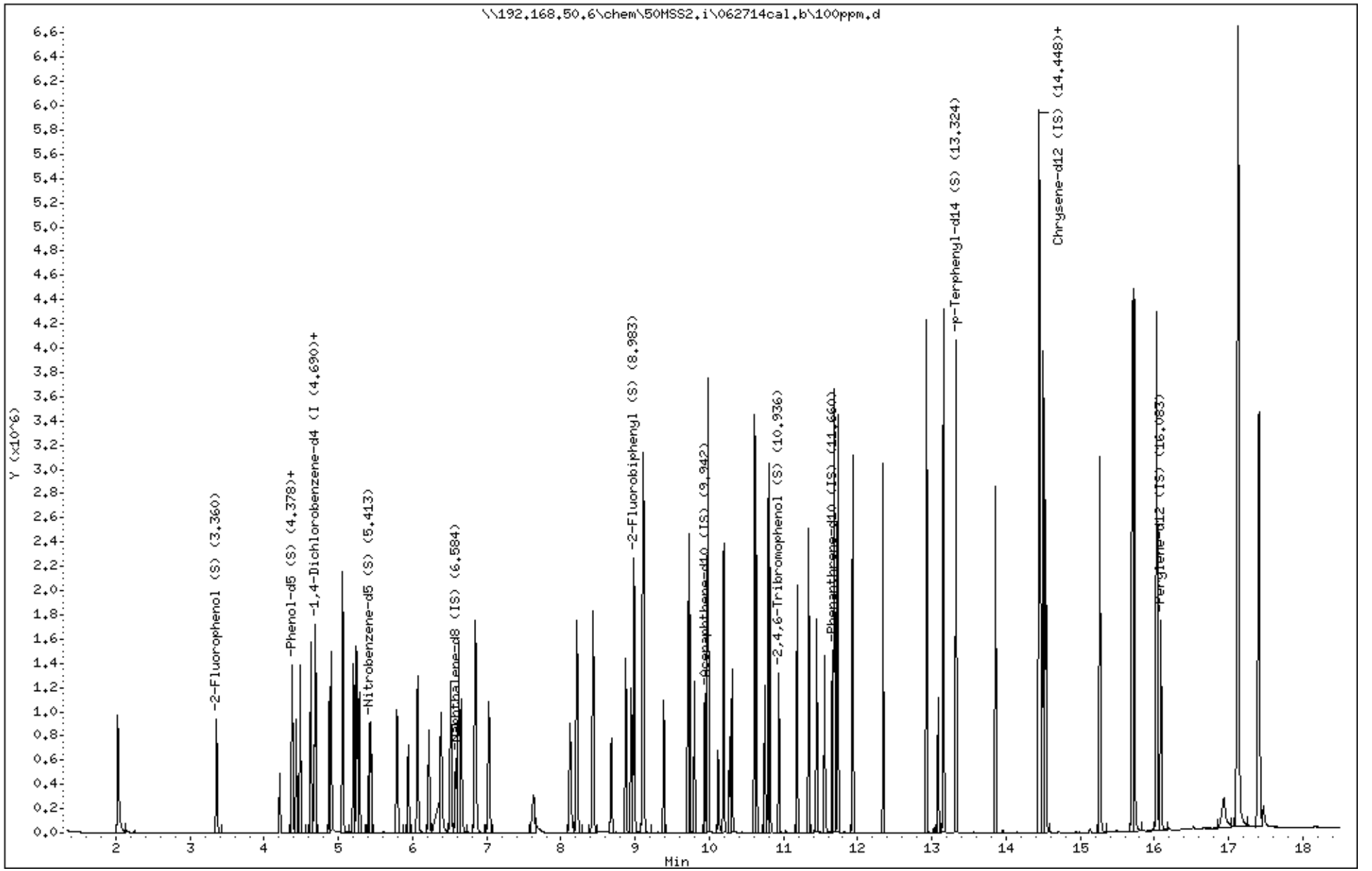
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	79 Pyrene	202	13.153	13.153	(1.128)	1952666	100.000	99.35
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1255252	100.000	101.1
	81 Butylbenzylphthalate	149	13.853	13.853	(0.957)	823528	100.000	102.3
	82 Benzo(a)anthracene	228	14.447	14.447	(0.998)	2059671	100.000	101.7
	83 3,3'-Dichlorobenzidine	252	14.447	14.447	(0.998)	670956	100.000	104.6
*	84 Chrysene-d12 (IS)	240	14.471	14.471	(1.000)	800997	40.0000	
	85 Chrysene	228	14.500	14.500	(1.002)	1940730	100.000	100.4
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	1191614	100.000	102.9
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	2075733	100.000	103.1
	88 Benzo(b)fluoranthene	252	15.700	15.700	(0.976)	2275484	100.000	95.56
	89 Benzo(k)fluoranthene	252	15.724	15.724	(0.978)	2487142	100.000	103.6
	90 Benzo(a)pyrene	252	16.030	16.030	(0.997)	2160973	100.000	101.9
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	780250	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.124	17.124	(1.065)	2878100	100.000	101.9
	93 Dibenz(a,h)anthracene	278	17.130	17.130	(1.065)	2323969	100.000	103.0
	94 Benzo(g,h,i)perylene	276	17.412	17.412	(1.083)	2425240	100.000	100.2

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm.d
Date : 27-JUN-2014 14:34
Client ID:
Sample Info: CAL6,71351:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\150ppm.d
Lab Smp Id: CAL7,71352:1
Inj Date : 27-JUN-2014 14:57
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal7,71352:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:57 Cal File: 150ppm.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.019	2.025	(0.432)	183958	150.000	154.0
	2 Pyridine	79	2.024	2.025	(0.433)	483075	150.000	152.7
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	463929	150.000	153.0
	5 Benzaldehyde	77	4.207	4.213	(0.901)	170079	150.000	143.8
$	6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	602580	150.000	156.3
	7 Phenol	94	4.383	4.383	(0.938)	640084	150.000	154.4
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	453865	150.000	152.0
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	578131	150.000	154.1
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	629211	150.000	149.7
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	111594	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	634861	150.000	152.2
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	358838	150.000	180.9
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	615311	150.000	152.7
	15 2-Methylphenol	108	5.054	5.054	(1.082)	480070	150.000	151.4
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	508666	150.000	144.2
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	508666	150.000	144.2
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	508666	150.000	144.2
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	528081	150.000	155.8
	19 Acetophenone	105	5.207	5.201	(1.115)	745882	150.000	156.0
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.122)	338901	150.000	155.3

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	223407	150.000	153.8
$ 23	Nitrobenzene-d5 (S)	82	5.412	5.413	(0.822)	503604	150.000	155.2
24	Nitrobenzene	77	5.442	5.436	(0.827)	505061	150.000	153.1
25	Isophorone	82	5.795	5.789	(0.880)	981290	150.000	153.6
26	2-Nitrophenol	139	5.948	5.942	(0.903)	340690	150.000	163.3
27	2,4-Dimethylphenol	122	6.065	6.066	(0.921)	515064	150.000	153.4
28	Benzoic Acid	122	6.377	6.354	(0.969)	371929	150.000	179.9
29	bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	606126	150.000	150.7
30	2,4-Dichlorophenol	162	6.383	6.383	(0.970)	543053	150.000	157.1
31	1,2,4-Trichlorobenzene	180	6.512	6.513	(0.989)	569225	150.000	152.6
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	454410	40.0000	
33	Naphthalene	128	6.624	6.618	(1.006)	1751138	150.000	150.8
35	4-Chloroaniline	127	6.854	6.848	(1.041)	725802	150.000	152.7
34	2,6-Dichlorophenol	162	6.848	6.842	(1.040)	517840	150.000	154.3
36	Hexachlorobutadiene	225	7.030	7.030	(1.068)	351033	150.000	152.4
37	Caprolactam	113	7.665	7.630	(1.164)	142752	150.000	147.6
38	4-Chloro-3-methylphenol	107	8.124	8.118	(1.234)	508441	150.000	160.3
39	2-Methylnaphthalene	142	8.218	8.218	(1.248)	1245592	150.000	151.4
41	1-Methylnaphthalene	142	8.436	8.430	(1.281)	1215211	150.000	153.3
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	292381	150.000	150.1
44	2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	436480	150.000	156.6
45	2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	466869	150.000	160.6
$ 46	2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	1360709	150.000	149.8
48	Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	1506796	150.000	146.9
47	2-Chloronaphthalene	162	9.106	9.101	(0.916)	1133800	150.000	146.9
49	2-Nitroaniline	65	9.389	9.383	(0.944)	293327	150.000	164.8
50	Dimethylphthalate	163	9.712	9.706	(0.977)	1399772	150.000	152.7
51	Acenaphthylene	152	9.730	9.730	(0.979)	2007625	150.000	150.0
52	2,6-Dinitrotoluene	165	9.806	9.801	(0.986)	319292	150.000	165.6
54	3-Nitroaniline	138	9.983	9.977	(1.004)	351478	150.000	160.5
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	281418	40.0000	
55	Acenaphthene	153	9.983	9.983	(1.004)	1206536	150.000	144.9
56	2,4-Dinitrophenol	184	10.124	10.118	(1.018)	216381	150.000	156.9
58	4-Nitrophenol	109	10.277	10.277	(1.034)	177442	150.000	168.9
57	Dibenzofuran	168	10.194	10.195	(1.025)	1756236	150.000	149.8
59	2,4-Dinitrotoluene	165	10.312	10.306	(1.037)	457598	150.000	165.0
60	Diethylphthalate	149	10.606	10.606	(1.067)	1319409	150.000	147.3
61	Fluorene	166	10.618	10.618	(1.068)	1392480	150.000	146.6
62	4-Chlorophenyl-phenylether	204	10.642	10.636	(1.070)	706021	150.000	150.6
63	4-Nitroaniline	138	10.753	10.748	(1.082)	390687	150.000	165.6
64	4,6-Dinitro-2-methylphenol	198	10.794	10.789	(0.926)	305061	150.000	157.8
65	N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1016094	150.000	142.4
66	1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	1262886	150.000	145.4
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	328432	150.000	157.2
68	4-Bromophenyl-phenylether	248	11.189	11.183	(0.960)	508989	150.000	149.7
69	Hexachlorobenzene	284	11.341	11.342	(0.973)	623172	150.000	151.2
70	Atrazine	200	11.447	11.448	(0.982)	392995	150.000	150.7
71	Pentachlorophenol	266	11.559	11.553	(0.991)	350967	150.000	156.2
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	576564	40.0000	
73	Phenanthrene	178	11.689	11.683	(1.003)	2255123	150.000	145.9
74	Anthracene	178	11.736	11.730	(1.007)	2256941	150.000	145.2
75	Carbazole	167	11.936	11.936	(1.024)	2221715	150.000	148.5
76	Di-n-butylphthalate	149	12.347	12.342	(1.059)	2416693	150.000	145.9(H)
77	Fluoranthene	202	12.930	12.930	(1.109)	2716680	150.000	147.0

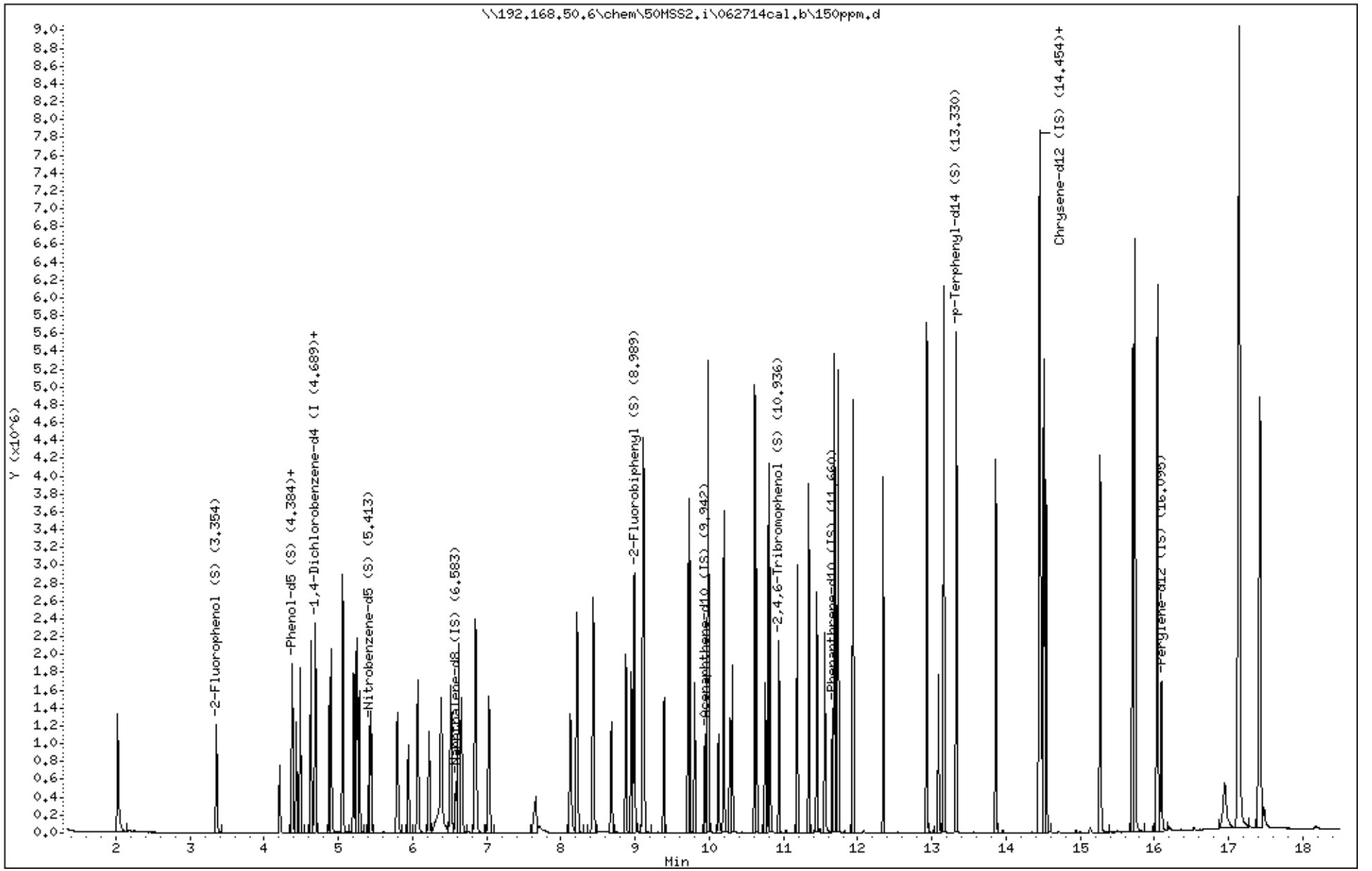
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	78 Benzidine	184	13.088	13.083	(1.123)	704799	150.000	176.9
	79 Pyrene	202	13.159	13.153	(1.129)	2806076	150.000	145.4
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	1827423	150.000	149.9
	81 Butylbenzylphthalate	149	13.859	13.853	(0.958)	1179063	150.000	148.9
	82 Benzo(a)anthracene	228	14.453	14.447	(0.999)	2914868	150.000	146.4
	83 3,3'-Dichlorobenzidine	252	14.459	14.447	(0.999)	972780	150.000	154.3
*	84 Chrysene-d12 (IS)	240	14.471	14.471	(1.000)	787649	40.0000	
	85 Chrysene	228	14.512	14.500	(1.003)	2830569	150.000	148.9
	86 bis(2-Ethylhexyl)phthalate	149	14.535	14.530	(1.004)	1718560	150.000	151.0
	87 Di-n-octylphthalate	149	15.265	15.259	(0.948)	2995918	150.000	153.5
	88 Benzo(b)fluoranthene	252	15.712	15.700	(0.976)	3635240	150.000	157.6
	89 Benzo(k)fluoranthene	252	15.735	15.724	(0.978)	3331242	150.000	143.3
	90 Benzo(a)pyrene	252	16.041	16.030	(0.997)	3141850	150.000	153.0
*	91 Perylene-d12 (IS)	264	16.094	16.083	(1.000)	755925	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.135	17.124	(1.065)	4185972	150.000	152.9
	93 Dibenz(a,h)anthracene	278	17.141	17.130	(1.065)	3287253	150.000	150.4
	94 Benzo(g,h,i)perylene	276	17.423	17.412	(1.083)	3647895	150.000	155.5

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\150ppm.d
Date : 27-JUN-2014 14:57
Client ID:
Sample Info: CAL7,71352:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\175ppm.d
Lab Smp Id: CAL8,71353:1
Inj Date : 27-JUN-2014 15:19
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal8,71353:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 15:19 Cal File: 175ppm.d
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.024	2.025	(0.433)	233850	175.000	173.9
	2 Pyridine	79	2.024	2.025	(0.433)	640177	175.000	179.8
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	601706	175.000	176.3
	5 Benzaldehyde	77	4.213	4.213	(0.902)	234085	175.000	173.3
$	6 Phenol-d5 (S)	99	4.371	4.366	(0.936)	769509	175.000	177.3
	7 Phenol	94	4.383	4.383	(0.938)	818240	175.000	175.3
	8 bis(2-Chloroethyl)ether	93	4.436	4.430	(0.950)	588249	175.000	175.0
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	747504	175.000	177.0
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	815421	175.000	172.4
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	125604	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	808877	175.000	172.3
	13 Benzyl Alcohol	108	4.883	4.877	(1.045)	470890	175.000	210.9
	14 1,2-Dichlorobenzene	146	4.907	4.901	(1.050)	790770	175.000	174.4
	15 2-Methylphenol	108	5.060	5.054	(1.083)	613598	175.000	172.0
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	634912	175.000	159.9
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	634912	175.000	159.9
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	634912	175.000	159.9
	20 3&4-Methylphenol	108	5.260	5.254	(1.126)	675185	175.000	177.0
	19 Acetophenone	105	5.207	5.201	(1.115)	969256	175.000	180.1
	21 N-Nitroso-di-n-propylamine	70	5.248	5.242	(1.123)	435864	175.000	177.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	287595	175.000	175.9
$ 23	Nitrobenzene-d5 (S)	82	5.418	5.413	(0.823)	657669	175.000	178.7
24	Nitrobenzene	77	5.442	5.436	(0.827)	655314	175.000	175.2
25	Isophorone	82	5.801	5.789	(0.881)	1286958	175.000	177.6
26	2-Nitrophenol	139	5.948	5.942	(0.903)	448581	175.000	189.6
27	2,4-Dimethylphenol	122	6.071	6.066	(0.922)	674252	175.000	177.1
28	Benzoic Acid	122	6.401	6.354	(0.972)	444407	175.000	189.5
29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.945)	794650	175.000	174.3
30	2,4-Dichlorophenol	162	6.383	6.383	(0.970)	711934	175.000	181.6
31	1,2,4-Trichlorobenzene	180	6.518	6.513	(0.990)	744374	175.000	176.0
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	515260	40.0000	
33	Naphthalene	128	6.624	6.618	(1.006)	2275495	175.000	172.8
35	4-Chloroaniline	127	6.854	6.848	(1.041)	920344	175.000	170.7
34	2,6-Dichlorophenol	162	6.848	6.842	(1.040)	677244	175.000	178.0
36	Hexachlorobutadiene	225	7.030	7.030	(1.068)	461804	175.000	176.8
37	Caprolactam	113	7.689	7.630	(1.168)	184306	175.000	168.1
38	4-Chloro-3-methylphenol	107	8.130	8.118	(1.235)	654981	175.000	182.1
39	2-Methylnaphthalene	142	8.218	8.218	(1.248)	1616433	175.000	173.3
41	1-Methylnaphthalene	142	8.436	8.430	(1.281)	1564389	175.000	174.1
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	413793	175.000	187.2
44	2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	569285	175.000	183.4
45	2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	596766	175.000	184.2
$ 46	2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	1744294	175.000	172.4
48	Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	1899969	175.000	166.3
47	2-Chloronaphthalene	162	9.106	9.101	(0.916)	1440580	175.000	167.6
49	2-Nitroaniline	65	9.389	9.383	(0.944)	368345	175.000	185.8
50	Dimethylphthalate	163	9.712	9.706	(0.977)	1746717	175.000	171.1
51	Acenaphthylene	152	9.730	9.730	(0.979)	2494059	175.000	167.3
52	2,6-Dinitrotoluene	165	9.806	9.801	(0.986)	407052	175.000	189.5
54	3-Nitroaniline	138	9.983	9.977	(1.004)	432486	175.000	177.3
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	313469	40.0000	
55	Acenaphthene	153	9.989	9.983	(1.005)	1514843	175.000	163.3
56	2,4-Dinitrophenol	184	10.124	10.118	(1.018)	283200	175.000	183.0
58	4-Nitrophenol	109	10.283	10.277	(1.034)	222267	175.000	189.9
57	Dibenzofuran	168	10.195	10.195	(1.025)	2218361	175.000	169.9
59	2,4-Dinitrotoluene	165	10.312	10.306	(1.037)	575404	175.000	186.2
60	Diethylphthalate	149	10.612	10.606	(1.067)	1629498	175.000	163.3
61	Fluorene	166	10.618	10.618	(1.068)	1702127	175.000	160.9
62	4-Chlorophenyl-phenylether	204	10.642	10.636	(1.070)	907465	175.000	173.8
63	4-Nitroaniline	138	10.759	10.748	(1.082)	484462	175.000	184.3
64	4,6-Dinitro-2-methylphenol	198	10.800	10.789	(0.926)	374691	175.000	180.6
65	N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1259131	175.000	164.8
66	1,2-Diphenylhydrazine	77	10.824	10.818	(0.928)	1554134	175.000	167.1
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	433150	175.000	193.6
68	4-Bromophenyl-phenylether	248	11.189	11.183	(0.960)	660215	175.000	181.3
69	Hexachlorobenzene	284	11.342	11.342	(0.973)	794837	175.000	180.1
70	Atrazine	200	11.453	11.448	(0.982)	489161	175.000	175.2
71	Pentachlorophenol	266	11.559	11.553	(0.991)	445070	175.000	184.0
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	617551	40.0000	
73	Phenanthrene	178	11.689	11.683	(1.003)	2716004	175.000	164.1
74	Anthracene	178	11.736	11.730	(1.007)	2770390	175.000	166.4
75	Carbazole	167	11.936	11.936	(1.024)	2615608	175.000	163.2
76	Di-n-butylphthalate	149	12.347	12.342	(1.059)	2946488	175.000	166.1
77	Fluoranthene	202	12.936	12.930	(1.109)	3194869	175.000	161.4

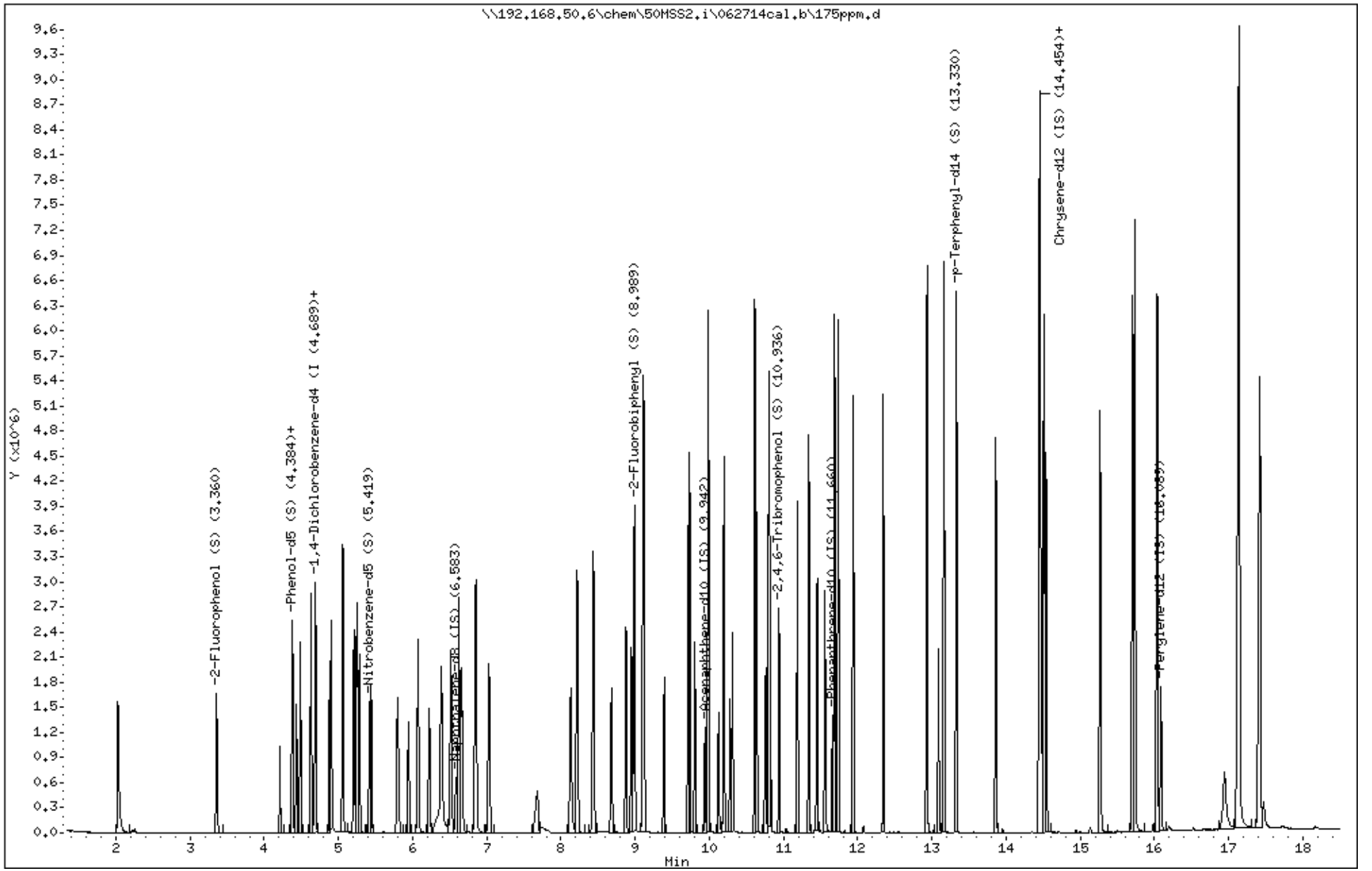
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.088	13.083	(1.123)	873044	175.000	204.6
	79 Pyrene	202	13.159	13.153	(1.129)	3331262	175.000	161.1
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2151328	175.000	164.8
	81 Butylbenzylphthalate	149	13.859	13.853	(0.957)	1412412	175.000	173.9
	82 Benzo(a)anthracene	228	14.453	14.447	(0.998)	3358265	175.000	164.5
	83 3,3'-Dichlorobenzidine	252	14.459	14.447	(0.999)	1132860	175.000	175.2
*	84 Chrysene-d12 (IS)	240	14.477	14.471	(1.000)	807882	40.0000	
	85 Chrysene	228	14.512	14.500	(1.002)	3272513	175.000	167.8
	86 bis(2-Ethylhexyl)phthalate	149	14.535	14.530	(1.004)	2028153	175.000	173.7
	87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	3502339	175.000	178.5
	88 Benzo(b)fluoranthene	252	15.706	15.700	(0.976)	3809373	175.000	164.2
	89 Benzo(k)fluoranthene	252	15.735	15.724	(0.978)	4128073	175.000	176.6
	90 Benzo(a)pyrene	252	16.041	16.030	(0.997)	3578851	175.000	173.3
*	91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	760001	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.135	17.124	(1.065)	4734408	175.000	172.0
	93 Dibenz(a,h)anthracene	278	17.141	17.130	(1.065)	3694152	175.000	168.2(H)
	94 Benzo(g,h,i)perylene	276	17.423	17.412	(1.083)	4125096	175.000	174.9

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\175ppm.d
Date : 27-JUN-2014 15:19
Client ID:
Sample Info: CAL8,71353:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\200ppm.d
Lab Smp Id: CAL9,71354:1
Inj Date : 27-JUN-2014 15:42
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal9,71354:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 15:42 Cal File: 200ppm.d
Als bottle: 10 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.025	2.025	(0.433)	240769	200.000	180.8
	2 Pyridine	79	2.025	2.025	(0.433)	647028	200.000	183.5
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	620503	200.000	183.6
	5 Benzaldehyde	77	4.207	4.213	(0.901)	291177	200.000	214.7
$	6 Phenol-d5 (S)	99	4.372	4.366	(0.936)	790139	200.000	183.8
	7 Phenol	94	4.383	4.383	(0.938)	837820	200.000	181.3
	8 bis(2-Chloroethyl)ether	93	4.436	4.430	(0.950)	609830	200.000	183.2
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	766527	200.000	183.3
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	842199	200.000	179.8
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	124387	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	835200	200.000	179.6
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	483945	200.000	218.8
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	814260	200.000	181.3
	15 2-Methylphenol	108	5.054	5.054	(1.082)	623131	200.000	176.3
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	640154	200.000	162.8
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	640154	200.000	162.8
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	640154	200.000	162.8
	20 3&4-Methylphenol	108	5.260	5.254	(1.126)	689037	200.000	182.4
	19 Acetophenone	105	5.207	5.201	(1.115)	981050	200.000	184.1
	21 N-Nitroso-di-n-propylamine	70	5.248	5.242	(1.123)	435892	200.000	179.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	296382	200.000	183.0
$ 23	Nitrobenzene-d5 (S)	82	5.419	5.413	(0.823)	669154	200.000	185.8
24	Nitrobenzene	77	5.442	5.436	(0.827)	672568	200.000	183.8
25	Isophorone	82	5.801	5.789	(0.881)	1298117	200.000	183.1
26	2-Nitrophenol	139	5.948	5.942	(0.903)	455513	200.000	196.8
27	2,4-Dimethylphenol	122	6.071	6.066	(0.922)	679256	200.000	182.3
28	Benzoic Acid	122	6.401	6.354	(0.972)	453395	200.000	197.6
29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.946)	804398	200.000	180.3
30	2,4-Dichlorophenol	162	6.383	6.383	(0.970)	723458	200.000	188.6
31	1,2,4-Trichlorobenzene	180	6.518	6.513	(0.990)	755825	200.000	182.6
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	504214	40.0000	
33	Naphthalene	128	6.624	6.618	(1.006)	2309847	200.000	179.2
35	4-Chloroaniline	127	6.854	6.848	(1.041)	928552	200.000	176.0
34	2,6-Dichlorophenol	162	6.848	6.842	(1.040)	683593	200.000	183.6
36	Hexachlorobutadiene	225	7.030	7.030	(1.068)	473652	200.000	185.3
37	Caprolactam	113	7.689	7.630	(1.168)	185754	200.000	173.1
38	4-Chloro-3-methylphenol	107	8.130	8.118	(1.235)	661010	200.000	187.8
39	2-Methylnaphthalene	142	8.218	8.218	(1.248)	1631814	200.000	178.8
41	1-Methylnaphthalene	142	8.436	8.430	(1.281)	1571556	200.000	178.7
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	416901	200.000	192.8
44	2,4,6-Trichlorophenol	196	8.871	8.871	(0.892)	568440	200.000	187.6
45	2,4,5-Trichlorophenol	196	8.948	8.948	(0.900)	598392	200.000	189.3
$ 46	2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	1748970	200.000	177.1
48	Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	1891347	200.000	169.6
47	2-Chloronaphthalene	162	9.107	9.101	(0.916)	1433636	200.000	170.8
49	2-Nitroaniline	65	9.389	9.383	(0.944)	374098	200.000	193.3
50	Dimethylphthalate	163	9.712	9.706	(0.977)	1733034	200.000	174.0
51	Acenaphthylene	152	9.730	9.730	(0.979)	2513715	200.000	172.8
52	2,6-Dinitrotoluene	165	9.807	9.801	(0.986)	410597	200.000	195.8
54	3-Nitroaniline	138	9.983	9.977	(1.004)	439442	200.000	184.6
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	305933	40.0000	
55	Acenaphthene	153	9.989	9.983	(1.005)	1525541	200.000	168.6
56	2,4-Dinitrophenol	184	10.124	10.118	(1.018)	290507	200.000	191.9
58	4-Nitrophenol	109	10.283	10.277	(1.034)	228941	200.000	200.5
57	Dibenzofuran	168	10.195	10.195	(1.025)	2238643	200.000	175.7
59	2,4-Dinitrotoluene	165	10.312	10.306	(1.037)	586887	200.000	194.6
60	Diethylphthalate	149	10.606	10.606	(1.067)	1610291	200.000	165.3
61	Fluorene	166	10.618	10.618	(1.068)	1711396	200.000	165.7
62	4-Chlorophenyl-phenylether	204	10.642	10.636	(1.070)	899884	200.000	176.6
63	4-Nitroaniline	138	10.759	10.748	(1.082)	501790	200.000	195.6
64	4,6-Dinitro-2-methylphenol	198	10.801	10.789	(0.926)	383005	200.000	188.8
65	N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1259901	200.000	168.8
66	1,2-Diphenylhydrazine	77	10.824	10.818	(0.928)	1556849	200.000	171.3
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	432426	200.000	197.8
68	4-Bromophenyl-phenylether	248	11.189	11.183	(0.960)	652195	200.000	183.3
69	Hexachlorobenzene	284	11.342	11.342	(0.973)	799040	200.000	185.3
70	Atrazine	200	11.448	11.448	(0.982)	488578	200.000	179.1
71	Pentachlorophenol	266	11.559	11.553	(0.991)	450778	200.000	190.5
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	603335	40.0000	
73	Phenanthrene	178	11.689	11.683	(1.003)	2754898	200.000	170.4
74	Anthracene	178	11.736	11.730	(1.007)	2771604	200.000	170.4
75	Carbazole	167	11.936	11.936	(1.024)	2699273	200.000	172.4
76	Di-n-butylphthalate	149	12.342	12.342	(1.059)	2949563	200.000	170.2
77	Fluoranthene	202	12.930	12.930	(1.109)	3328884	200.000	172.2

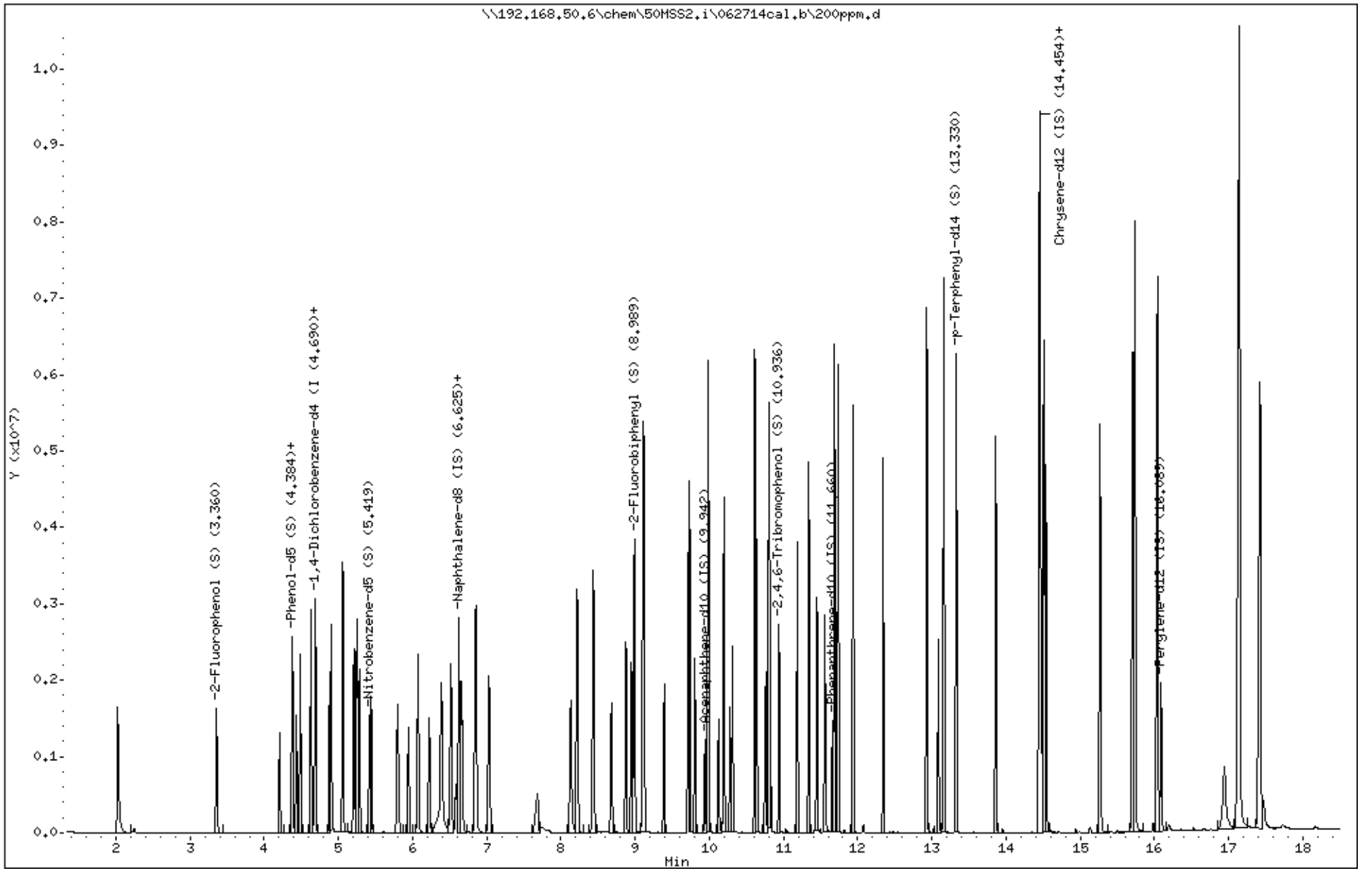
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.089	13.083	(1.123)	1017952	200.000	244.2
	79 Pyrene	202	13.159	13.153	(1.129)	3447093	200.000	170.6
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2275718	200.000	178.4
	81 Butylbenzylphthalate	149	13.859	13.853	(0.957)	1485575	200.000	174.2
	82 Benzo(a)anthracene	228	14.453	14.447	(0.998)	3576118	200.000	166.8
	83 3,3'-Dichlorobenzidine	252	14.453	14.447	(0.998)	1234135	200.000	181.7
*	84 Chrysene-d12 (IS)	240	14.477	14.471	(1.000)	848471	40.0000	
	85 Chrysene	228	14.512	14.500	(1.002)	3495683	200.000	170.7
	86 bis(2-Ethylhexyl)phthalate	149	14.536	14.530	(1.004)	2115495	200.000	172.5
	87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	3745703	200.000	176.7
	88 Benzo(b)fluoranthene	252	15.712	15.700	(0.977)	4581554	200.000	182.8
	89 Benzo(k)fluoranthene	252	15.736	15.724	(0.978)	4118752	200.000	163.1
	90 Benzo(a)pyrene	252	16.041	16.030	(0.997)	3956112	200.000	177.3
*	91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	821193	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.135	17.124	(1.065)	5234179	200.000	176.0
	93 Dibenz(a,h)anthracene	278	17.141	17.130	(1.065)	4046756	200.000	170.5(H)
	94 Benzo(g,h,i)perylene	276	17.424	17.412	(1.083)	4593685	200.000	180.2

QC Flag Legend

H - Operator selected an alternate compound hit.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\200ppm.d
Date : 27-JUN-2014 15:42
Client ID:
Sample Info: CAL9,71354:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\5ppm.d
Lab Smp Id: CAL2,71672:1
Inj Date : 30-JUN-2014 13:34
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal2,71672:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 13:34 Cal File: 5ppm.d
Als bottle: 3 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.048	2.042	(0.438)	9128	5.00000	5.78
	2 Pyridine	79	2.066	2.048	(0.442)	23753	5.00000	5.44
$	3 2-Fluorophenol (S)	112	3.377	3.383	(0.723)	22959	5.00000	5.63
	5 Benzaldehyde	77	4.218	4.213	(0.903)	7911	5.00000	5.71
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	28101	5.00000	5.58
	7 Phenol	94	4.395	4.407	(0.941)	31799	5.00000	5.83
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	22957	5.00000	5.84
	9 2-Chlorophenol	128	4.495	4.495	(0.962)	28497	5.00000	5.73
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	32859	5.00000	5.94
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.672	(1.000)	149635	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	32356	5.00000	5.87
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	14702	5.00000	5.02
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	31428	5.00000	5.93
	15 2-Methylphenol	108	5.065	5.072	(1.084)	23906	5.00000	5.81
	16 bis(2chloro1methylethyl) ether	45	5.060	5.054	(1.083)	29255	5.00000	6.28
	17 2,2'-Oxybis(1-chloropropane)	45	5.060	5.054	(1.083)	29255	5.00000	6.28
	18 bis(2-Chloroisopropyl)ether	45	5.060	5.054	(1.083)	29255	5.00000	6.28
	20 3&4-Methylphenol	108	5.265	5.271	(1.127)	24770	5.00000	5.62
	19 Acetophenone	105	5.207	5.207	(1.115)	35004	5.00000	5.67
	21 N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	15680	5.00000	5.61

			QUANT SIG					AMOUNTS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22	Hexachloroethane	117	5.283	5.283	(1.131)	11035	5.00000	5.76
$	23	Nitrobenzene-d5 (S)	82	5.418	5.419	(0.824)	21916	5.00000	5.51
	24	Nitrobenzene	77	5.448	5.442	(0.828)	22913	5.00000	5.65
	25	Isophorone	82	5.795	5.795	(0.881)	44046	5.00000	5.68
	26	2-Nitrophenol	139	5.954	5.948	(0.905)	13219	5.00000	5.05
	27	2,4-Dimethylphenol	122	6.077	6.083	(0.924)	23567	5.00000	5.70
	28	Benzoic Acid	122	6.324	6.389	(0.962)	3243	5.00000	
	29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.946)	28704	5.00000	5.80
	30	2,4-Dichlorophenol	162	6.401	6.401	(0.973)	22821	5.00000	5.41
	31	1,2,4-Trichlorobenzene	180	6.512	6.513	(0.990)	27068	5.00000	5.87
*	32	Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	565156	40.0000	
	33	Naphthalene	128	6.618	6.624	(1.006)	84292	5.00000	5.95
	35	4-Chloroaniline	127	6.859	6.860	(1.043)	28095	5.00000	5.10
	34	2,6-Dichlorophenol	162	6.859	6.860	(1.043)	23189	5.00000	5.65
	36	Hexachlorobutadiene	225	7.030	7.030	(1.069)	15848	5.00000	5.64
	37	Caprolactam	113	7.589	7.671	(1.154)	5794	5.00000	4.89
	38	4-Chloro-3-methylphenol	107	8.136	8.154	(1.237)	20138	5.00000	5.36
	39	2-Methylnaphthalene	142	8.218	8.218	(1.249)	57075	5.00000	5.77
	41	1-Methylnaphthalene	142	8.430	8.436	(1.282)	55766	5.00000	5.84
	44	2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	17124	5.00000	5.29
	45	2,4,5-Trichlorophenol	196	8.959	8.965	(0.901)	17456	5.00000	5.21
$	46	2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	63103	5.00000	5.95
	48	Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	72367	5.00000	6.12
	47	2-Chloronaphthalene	162	9.100	9.101	(0.915)	54884	5.00000	6.13
	49	2-Nitroaniline	65	9.389	9.389	(0.944)	10412	5.00000	5.13
	50	Dimethylphthalate	163	9.706	9.712	(0.976)	64009	5.00000	6.22(M)
	51	Acenaphthylene	152	9.724	9.730	(0.978)	88892	5.00000	5.85
	52	2,6-Dinitrotoluene	165	9.800	9.806	(0.986)	10293	5.00000	4.60
	54	3-Nitroaniline	138	9.983	9.989	(1.004)	11923	5.00000	5.03
*	53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	330189	40.0000	
	55	Acenaphthene	153	9.983	9.983	(1.004)	59844	5.00000	6.29
	56	2,4-Dinitrophenol	184	10.136	10.130	(1.020)	1706	5.00000	14.10(M)
	58	4-Nitrophenol	109	10.306	10.306	(1.037)	4788	5.00000	4.37
	57	Dibenzofuran	168	10.189	10.195	(1.025)	80709	5.00000	6.03
	59	2,4-Dinitrotoluene	165	10.306	10.312	(1.037)	14812	5.00000	4.78
	60	Diethylphthalate	149	10.600	10.606	(1.066)	61236	5.00000	6.13
	61	Fluorene	166	10.612	10.618	(1.067)	66692	5.00000	6.26
	62	4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	31347	5.00000	5.86
	63	4-Nitroaniline	138	10.742	10.753	(1.080)	12537	5.00000	4.89
	64	4,6-Dinitro-2-methylphenol	198	10.789	10.795	(0.925)	5700	5.00000	3.52
	65	N-Nitrosodiphenylamine	169	10.794	10.801	(0.926)	47031	5.00000	6.11
	66	1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	56714	5.00000	6.03
$	67	2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	11233	5.00000	5.02
	68	4-Bromophenyl-phenylether	248	11.183	11.189	(0.959)	19871	5.00000	5.43
	69	Hexachlorobenzene	284	11.336	11.342	(0.972)	25030	5.00000	5.66
	70	Atrazine	200	11.441	11.448	(0.981)	15144	5.00000	5.56
	71	Pentachlorophenol	266	11.559	11.559	(0.991)	5789	5.00000	8.08
*	72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	622091	40.0000	
	73	Phenanthrene	178	11.683	11.683	(1.002)	101068	5.00000	6.20
	74	Anthracene	178	11.730	11.730	(1.006)	101278	5.00000	6.16
	75	Carbazole	167	11.930	11.936	(1.023)	93773	5.00000	6.07
	76	Di-n-butylphthalate	149	12.341	12.342	(1.059)	102956	5.00000	5.92
	77	Fluoranthene	202	12.924	12.930	(1.108)	116099	5.00000	6.20
	78	Benzidine	184	13.088	13.089	(1.123)	27679	5.00000	2.64

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	79 Pyrene	202	13.153	13.153	(1.128)	121172	5.00000	6.20
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	72768	5.00000	5.91
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	44658	5.00000	5.55
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	117030	5.00000	5.97
	83 3,3'-Dichlorobenzidine	252	14.447	14.453	(0.999)	38993	5.00000	5.92
*	84 Chrysene-d12 (IS)	240	14.465	14.465	(1.000)	784254	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	113870	5.00000	6.13
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	64639	5.00000	5.59
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	108074	5.00000	5.43
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	128854	5.00000	5.73
	89 Benzo(k)fluoranthene	252	15.718	15.724	(0.977)	132930	5.00000	5.83
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	112954	5.00000	5.65
*	91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	545527	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	149254	5.00000	5.73
	93 Dibenz(a,h)anthracene	278	17.112	17.130	(1.064)	120638	5.00000	5.79
	94 Benzo(g,h,i)perylene	276	17.394	17.406	(1.082)	126013	5.00000	5.66

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 5ppm.d
Lab Smp Id: CAL2,71672:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	149635	-16.07
32 Naphthalene-d8 (I	703988	351994	1407976	565156	-19.72
53 Acenaphthene-d10	410279	205140	820558	330189	-19.52
72 Phenanthrene-d10	780300	390150	1560600	622091	-20.28
84 Chrysene-d12 (IS)	969467	484734	1938934	784254	-19.10
91 Perylene-d12 (IS)	663754	331877	1327508	545527	-17.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.09
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	-0.00
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	-0.00

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL2,71672:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	5.78	
110-86-1	Pyridine	5.44	
100-52-7	Benzaldehyde	5.71	
108-95-2	Phenol	5.83	
111-44-4	bis(2-Chloroethyl)ether	5.84	
95-57-8	2-Chlorophenol	5.73	
541-73-1	1,3-Dichlorobenzene	5.94	
106-46-7	1,4-Dichlorobenzene	5.87	
100-51-6	Benzyl Alcohol	5.02	
95-50-1	1,2-Dichlorobenzene	5.93	
95-48-7	2-Methylphenol	5.81	
108-60-1	bis(2chloro1methylethyl) eth	6.28	
108-60-1	2,2'-Oxybis(1-chloropropane)	6.28	
39638-32-9	bis(2-Chloroisopropyl)ether	6.28	
----------	3&4-Methylphenol	5.62	
98-86-2	Acetophenone	5.67	
621-64-7	N-Nitroso-di-n-propylamine	5.61	
67-72-1	Hexachloroethane	5.76	
98-95-3	Nitrobenzene	5.65	
78-59-1	Isophorone	5.68	
88-75-5	2-Nitrophenol	5.05	
105-67-9	2,4-Dimethylphenol	5.70	
65-85-0	Benzoic Acid	0.000	
111-91-1	bis(2-Chloroethoxy)methane	5.80	
120-83-2	2,4-Dichlorophenol	5.41	
120-82-1	1,2,4-Trichlorobenzene	5.87	
91-20-3	Naphthalene	5.95	
106-47-8	4-Chloroaniline	5.10	
87-65-0	2,6-Dichlorophenol	5.65	
87-68-3	Hexachlorobutadiene	5.64	
10-60-2	Caprolactam	4.89	
59-50-7	4-Chloro-3-methylphenol	5.36	
91-57-6	2-Methylnaphthalene	5.77	
90-12-0	1-Methylnaphthalene	5.84	
88-06-2	2,4,6-Trichlorophenol	5.29	
95-95-4	2,4,5-Trichlorophenol	5.21	
92-52-4	Biphenyl (Diphenyl)	6.12	
91-58-7	2-Chloronaphthalene	6.13	
88-74-4	2-Nitroaniline	5.13	
131-11-3	Dimethylphthalate	6.22	
208-96-8	Acenaphthylene	5.85	
606-20-2	2,6-Dinitrotoluene	4.60	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL2,71672:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
99-09-2	3-Nitroaniline	5.03	
83-32-9	Acenaphthene	6.29	
51-28-5	2,4-Dinitrophenol	14.10	
100-02-7	4-Nitrophenol	4.37	
132-64-9	Dibenzofuran	6.03	
121-14-2	2,4-Dinitrotoluene	4.78	
84-66-2	Diethylphthalate	6.13	
86-73-7	Fluorene	6.26	
7005-72-3	4-Chlorophenyl-phenylether	5.86	
100-01-6	4-Nitroaniline	4.89	
534-52-1	4,6-Dinitro-2-methylphenol	3.52	
86-30-6	N-Nitrosodiphenylamine	6.11	
122-66-7	1,2-Diphenylhydrazine	6.03	
101-55-3	4-Bromophenyl-phenylether	5.43	
118-74-1	Hexachlorobenzene	5.66	
1912-24-9	Atrazine	5.56	
87-86-5	Pentachlorophenol	8.08	
85-01-8	Phenanthrene	6.20	
120-12-7	Anthracene	6.16	
86-74-8...	Carbazole	6.07	
84-74-2	Di-n-butylphthalate	5.92	
206-44-0	Fluoranthene	6.20	
92-87-5	Benzidine	2.64	
129-00-0	Pyrene	6.20	
85-68-7	Butylbenzylphthalate	5.55	
56-55-3	Benzo(a)anthracene	5.97	
91-94-1	3,3'-Dichlorobenzidine	5.92	
218-01-9	Chrysene	6.13	
117-81-7	bis(2-Ethylhexyl)phthalate	5.59	
117-84-0	Di-n-octylphthalate	5.43	
205-99-2	Benzo(b)fluoranthene	5.73	
207-08-9	Benzo(k)fluoranthene	5.83	
50-32-8	Benzo(a)pyrene	5.65	
193-39-5	Indeno(1,2,3-cd)pyrene	5.73	
53-70-3	Dibenz(a,h)anthracene	5.79	
191-24-2	Benzo(g,h,i)perylene	5.66	
367-12-4	2-Fluorophenol (S)	5.63	
13127-88-3	Phenol-d5 (S)	5.58	
4165-60-0	Nitrobenzene-d5 (S)	5.51	
321-60-8	2-Fluorobiphenyl (S)	5.95	
----------	2,4,6-Tribromophenol (S)	5.02	

Pace Analytical Services, Inc.

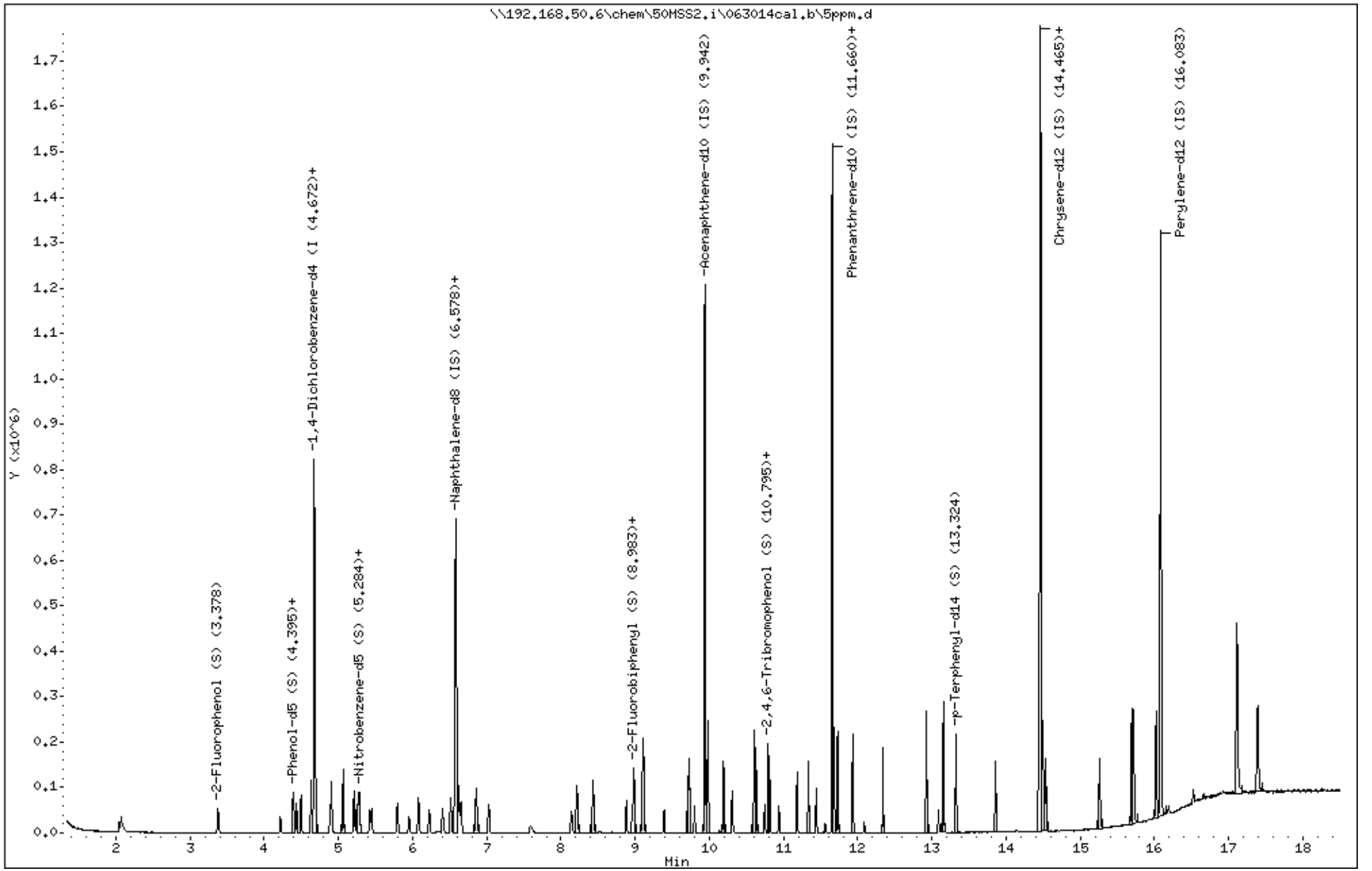
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL2,71672:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
98904-43-9	p-Terphenyl-d14 (S)	5.91	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\5ppm.d
Date : 30-JUN-2014 13:34
Client ID:
Sample Info: CAL2,71672:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\10ppm.d
Lab Smp Id: CAL3,71673:1
Inj Date : 30-JUN-2014 13:56
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal3,71673:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 13:56 Cal File: 10ppm.d
Als bottle: 4 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.042	2.042	(0.437)	17237	10.0000	10.33
	2 Pyridine	79	2.060	2.048	(0.441)	45146	10.0000	9.80
$	3 2-Fluorophenol (S)	112	3.378	3.383	(0.723)	44454	10.0000	10.33
	5 Benzaldehyde	77	4.219	4.213	(0.903)	15211	10.0000	9.93
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	55209	10.0000	10.39
	7 Phenol	94	4.395	4.407	(0.941)	61692	10.0000	10.71
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	43426	10.0000	10.47
	9 2-Chlorophenol	128	4.495	4.495	(0.962)	54959	10.0000	10.47
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	61520	10.0000	10.53
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.672	(1.000)	157948	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	61979	10.0000	10.66
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	30051	10.0000	9.73
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	58720	10.0000	10.50
	15 2-Methylphenol	108	5.060	5.072	(1.083)	46138	10.0000	10.62
	16 bis(2chloro1methylethyl) ether	45	5.060	5.054	(1.083)	55959	10.0000	11.37
	17 2,2'-Oxybis(1-chloropropane)	45	5.060	5.054	(1.083)	55959	10.0000	11.37
	18 bis(2-Chloroisopropyl)ether	45	5.060	5.054	(1.083)	55959	10.0000	11.37
	20 3&4-Methylphenol	108	5.266	5.271	(1.127)	48220	10.0000	10.36
	19 Acetophenone	105	5.207	5.207	(1.115)	66629	10.0000	10.22
	21 N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	30884	10.0000	10.47

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	21337	10.0000	10.54
$ 23	Nitrobenzene-d5 (S)	82	5.419	5.419	(0.824)	43416	10.0000	10.15
24	Nitrobenzene	77	5.442	5.442	(0.827)	45019	10.0000	10.33
25	Isophorone	82	5.789	5.795	(0.880)	86444	10.0000	10.37
26	2-Nitrophenol	139	5.954	5.948	(0.905)	26605	10.0000	9.46
27	2,4-Dimethylphenol	122	6.071	6.083	(0.923)	46541	10.0000	10.46
28	Benzoic Acid	122	6.324	6.389	(0.962)	11843	10.0000	
29	bis(2-Chloroethoxy)methane	93	6.219	6.218	(0.945)	55359	10.0000	10.41
30	2,4-Dichlorophenol	162	6.401	6.401	(0.973)	45403	10.0000	10.01
31	1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	51781	10.0000	10.44
* 32	Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	607928	40.0000	
33	Naphthalene	128	6.618	6.624	(1.006)	160647	10.0000	10.54
35	4-Chloroaniline	127	6.854	6.860	(1.042)	62903	10.0000	10.60
34	2,6-Dichlorophenol	162	6.854	6.860	(1.042)	45404	10.0000	10.28
36	Hexachlorobutadiene	225	7.030	7.030	(1.069)	30679	10.0000	10.16
37	Caprolactam	113	7.583	7.671	(1.153)	13022	10.0000	10.21
38	4-Chloro-3-methylphenol	107	8.136	8.154	(1.237)	41110	10.0000	10.18
39	2-Methylnaphthalene	142	8.213	8.218	(1.249)	112288	10.0000	10.55
41	1-Methylnaphthalene	142	8.430	8.436	(1.282)	108921	10.0000	10.60
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	5600	10.0000	15.46
44	2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	35053	10.0000	9.92
45	2,4,5-Trichlorophenol	196	8.960	8.965	(0.901)	36024	10.0000	9.86
$ 46	2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	121344	10.0000	10.49
48	Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	140723	10.0000	10.90
47	2-Chloronaphthalene	162	9.101	9.101	(0.915)	107061	10.0000	10.96
49	2-Nitroaniline	65	9.383	9.389	(0.944)	21473	10.0000	9.70
50	Dimethylphthalate	163	9.707	9.712	(0.976)	123062	10.0000	10.83(M)
51	Acenaphthylene	152	9.724	9.730	(0.978)	179487	10.0000	10.83
52	2,6-Dinitrotoluene	165	9.801	9.806	(0.986)	23843	10.0000	9.77
54	3-Nitroaniline	138	9.983	9.989	(1.004)	25867	10.0000	10.00
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	360123	40.0000	
55	Acenaphthene	153	9.977	9.983	(1.004)	114526	10.0000	11.04
56	2,4-Dinitrophenol	184	10.130	10.130	(1.019)	5784	10.0000	12.85(M)
58	4-Nitrophenol	109	10.301	10.306	(1.036)	10629	10.0000	8.90
57	Dibenzofuran	168	10.189	10.195	(1.025)	157286	10.0000	10.77
59	2,4-Dinitrotoluene	165	10.306	10.312	(1.037)	32375	10.0000	9.59
60	Diethylphthalate	149	10.601	10.606	(1.066)	123403	10.0000	11.32
61	Fluorene	166	10.612	10.618	(1.067)	130626	10.0000	11.24
62	4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	62296	10.0000	10.68
63	4-Nitroaniline	138	10.742	10.753	(1.080)	26368	10.0000	9.43
64	4,6-Dinitro-2-methylphenol	198	10.789	10.795	(0.925)	14550	10.0000	7.39
65	N-Nitrosodiphenylamine	169	10.795	10.801	(0.926)	94344	10.0000	11.04
66	1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	113442	10.0000	10.87
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	22728	10.0000	9.14
68	4-Bromophenyl-phenylether	248	11.183	11.189	(0.959)	41682	10.0000	10.26
69	Hexachlorobenzene	284	11.336	11.342	(0.972)	50648	10.0000	10.32
70	Atrazine	200	11.442	11.448	(0.981)	30738	10.0000	10.18
71	Pentachlorophenol	266	11.559	11.559	(0.991)	14511	10.0000	11.21
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	690433	40.0000	
73	Phenanthrene	178	11.677	11.683	(1.002)	198808	10.0000	10.98
74	Anthracene	178	11.724	11.730	(1.006)	198570	10.0000	10.87
75	Carbazole	167	11.930	11.936	(1.023)	188172	10.0000	10.97
76	Di-n-butylphthalate	149	12.336	12.342	(1.058)	210061	10.0000	10.89
77	Fluoranthene	202	12.924	12.930	(1.108)	227954	10.0000	10.96

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.089	(1.122)	50795	10.0000	7.38
	79 Pyrene	202	13.147	13.153	(1.128)	242679	10.0000	11.20
$	80 p-Terphenyl-d14 (S)	244	13.318	13.324	(1.142)	145612	10.0000	10.66
	81 Butylbenzylphthalate	149	13.847	13.853	(0.958)	91751	10.0000	10.42
	82 Benzo(a)anthracene	228	14.442	14.447	(0.999)	233233	10.0000	10.88
	83 3,3'-Dichlorobenzidine	252	14.447	14.453	(0.999)	78900	10.0000	10.96
*	84 Chrysene-d12 (IS)	240	14.459	14.465	(1.000)	857476	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	220155	10.0000	10.85
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.005)	129977	10.0000	10.28
	87 Di-n-octylphthalate	149	15.253	15.259	(0.949)	219114	10.0000	10.17
	88 Benzo(b)fluoranthene	252	15.688	15.700	(0.976)	235404	10.0000	9.67
	89 Benzo(k)fluoranthene	252	15.712	15.724	(0.977)	285198	10.0000	11.57
	90 Benzo(a)pyrene	252	16.018	16.030	(0.996)	228999	10.0000	10.59
*	91 Perylene-d12 (IS)	264	16.077	16.083	(1.000)	590283	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.106	17.124	(1.064)	293045	10.0000	10.40
	93 Dibenz(a,h)anthracene	278	17.112	17.130	(1.064)	239003	10.0000	10.60
	94 Benzo(g,h,i)perylene	276	17.394	17.406	(1.082)	249058	10.0000	10.34

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 10ppm.d
Lab Smp Id: CAL3,71673:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	157948	-11.41
32 Naphthalene-d8 (I	703988	351994	1407976	607928	-13.65
53 Acenaphthene-d10	410279	205140	820558	360123	-12.22
72 Phenanthrene-d10	780300	390150	1560600	690433	-11.52
84 Chrysene-d12 (IS)	969467	484734	1938934	857476	-11.55
91 Perylene-d12 (IS)	663754	331877	1327508	590283	-11.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.09
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.46	-0.04
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	-0.04

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL3,71673:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	10.33	
110-86-1	Pyridine	9.80	
100-52-7	Benzaldehyde	9.93	
108-95-2	Phenol	10.71	
111-44-4	bis(2-Chloroethyl)ether	10.47	
95-57-8	2-Chlorophenol	10.47	
541-73-1	1,3-Dichlorobenzene	10.53	
106-46-7	1,4-Dichlorobenzene	10.66	
100-51-6	Benzyl Alcohol	9.73	
95-50-1	1,2-Dichlorobenzene	10.50	
95-48-7	2-Methylphenol	10.62	
108-60-1	bis(2chloro1methylethyl) eth	11.37	
108-60-1	2,2'-Oxybis(1-chloropropane)	11.37	
39638-32-9	bis(2-Chloroisopropyl)ether	11.37	
----------	3&4-Methylphenol	10.36	
98-86-2	Acetophenone	10.22	
621-64-7	N-Nitroso-di-n-propylamine	10.47	
67-72-1	Hexachloroethane	10.54	
98-95-3	Nitrobenzene	10.33	
78-59-1	Isophorone	10.37	
88-75-5	2-Nitrophenol	9.46	
105-67-9	2,4-Dimethylphenol	10.46	
65-85-0	Benzoic Acid	0.000	
111-91-1	bis(2-Chloroethoxy)methane	10.41	
120-83-2	2,4-Dichlorophenol	10.01	
120-82-1	1,2,4-Trichlorobenzene	10.44	
91-20-3	Naphthalene	10.54	
106-47-8	4-Chloroaniline	10.60	
87-65-0	2,6-Dichlorophenol	10.28	
87-68-3	Hexachlorobutadiene	10.16	
10-60-2	Caprolactam	10.21	
59-50-7	4-Chloro-3-methylphenol	10.18	
91-57-6	2-Methylnaphthalene	10.55	
90-12-0	1-Methylnaphthalene	10.60	
77-47-4	Hexachlorocyclopentadiene	15.46	
88-06-2	2,4,6-Trichlorophenol	9.92	
95-95-4	2,4,5-Trichlorophenol	9.86	
92-52-4	Biphenyl (Diphenyl)	10.90	
91-58-7	2-Chloronaphthalene	10.96	
88-74-4	2-Nitroaniline	9.70	
131-11-3	Dimethylphthalate	10.83	
208-96-8	Acenaphthylene	10.83	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL3,71673:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	9.77	
99-09-2	3-Nitroaniline	10.00	
83-32-9	Acenaphthene	11.04	
51-28-5	2,4-Dinitrophenol	12.85	
100-02-7	4-Nitrophenol	8.90	
132-64-9	Dibenzofuran	10.77	
121-14-2	2,4-Dinitrotoluene	9.59	
84-66-2	Diethylphthalate	11.32	
86-73-7	Fluorene	11.24	
7005-72-3	4-Chlorophenyl-phenylether	10.68	
100-01-6	4-Nitroaniline	9.43	
534-52-1	4,6-Dinitro-2-methylphenol	7.39	
86-30-6	N-Nitrosodiphenylamine	11.04	
122-66-7	1,2-Diphenylhydrazine	10.87	
101-55-3	4-Bromophenyl-phenylether	10.26	
118-74-1	Hexachlorobenzene	10.32	
1912-24-9	Atrazine	10.18	
87-86-5	Pentachlorophenol	11.21	
85-01-8	Phenanthrene	10.98	
120-12-7	Anthracene	10.87	
86-74-8...	Carbazole	10.97	
84-74-2	Di-n-butylphthalate	10.89	
206-44-0	Fluoranthene	10.96	
92-87-5	Benzidine	7.38	
129-00-0	Pyrene	11.20	
85-68-7	Butylbenzylphthalate	10.42	
56-55-3	Benzo(a)anthracene	10.88	
91-94-1	3,3'-Dichlorobenzidine	10.96	
218-01-9	Chrysene	10.85	
117-81-7	bis(2-Ethylhexyl)phthalate	10.28	
117-84-0	Di-n-octylphthalate	10.17	
205-99-2	Benzo(b)fluoranthene	9.67	
207-08-9	Benzo(k)fluoranthene	11.57	
50-32-8	Benzo(a)pyrene	10.59	
193-39-5	Indeno(1,2,3-cd)pyrene	10.40	
53-70-3	Dibenz(a,h)anthracene	10.60	
191-24-2	Benzo(g,h,i)perylene	10.34	
367-12-4	2-Fluorophenol (S)	10.33	
13127-88-3	Phenol-d5 (S)	10.39	
4165-60-0	Nitrobenzene-d5 (S)	10.15	
321-60-8	2-Fluorobiphenyl (S)	10.49	

Pace Analytical Services, Inc.

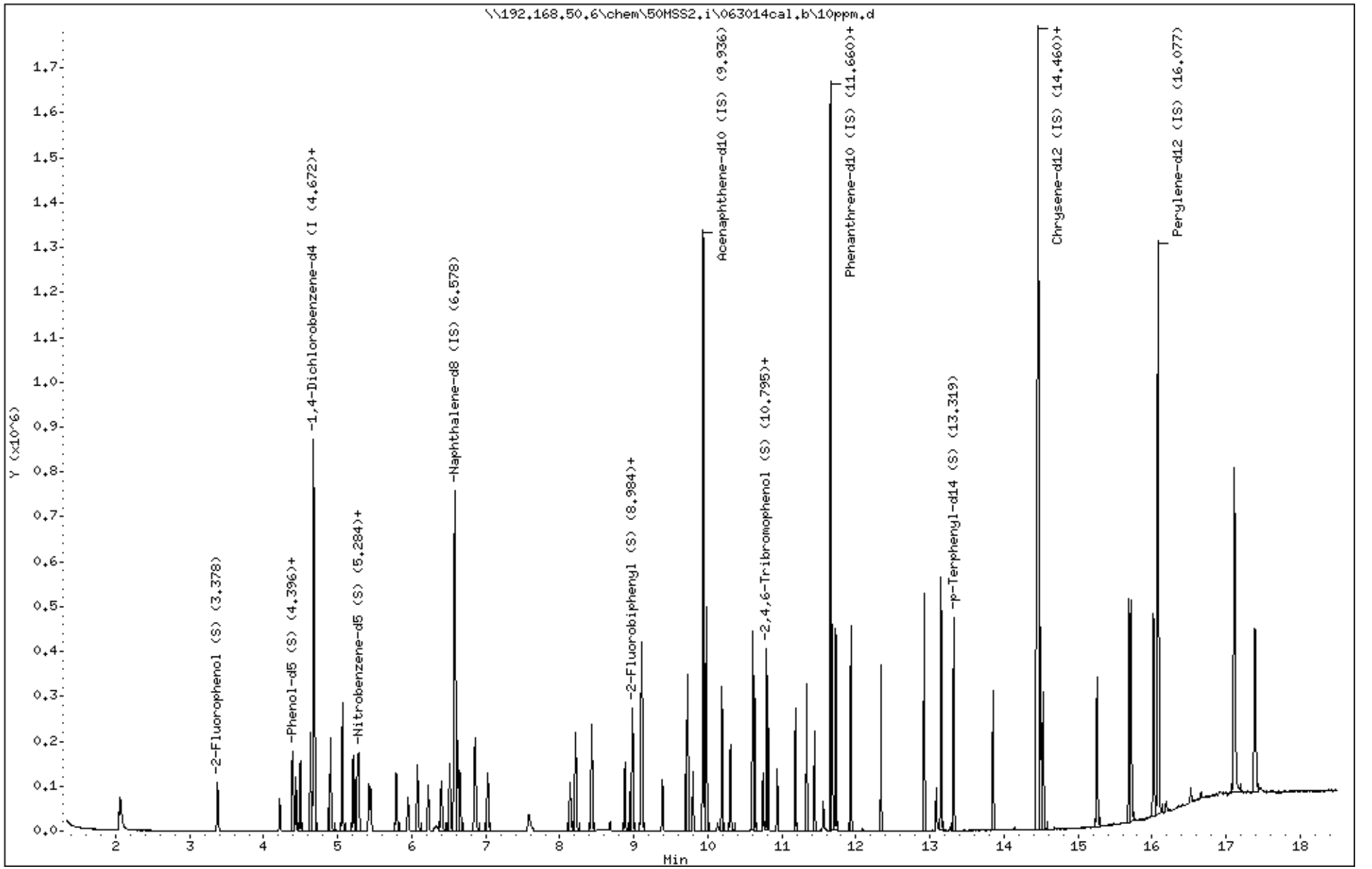
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL3,71673:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	9.14	
98904-43-9	p-Terphenyl-d14 (S)	10.66	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\10ppm.d
Date : 30-JUN-2014 13:56
Client ID:
Sample Info: CAL3,71673:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\20ppm.d
Lab Smp Id: CAL4,71674:1
Inj Date : 30-JUN-2014 14:19
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal4,71674:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 14:19 Cal File: 20ppm.d
Als bottle: 5 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.042	2.042	(0.437)	37213	20.0000	21.83
	2 Pyridine	79	2.054	2.048	(0.440)	101771	20.0000	21.60
$	3 2-Fluorophenol (S)	112	3.377	3.383	(0.723)	94538	20.0000	21.50
	5 Benzaldehyde	77	4.219	4.213	(0.903)	33567	20.0000	20.89
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	119094	20.0000	21.92
	7 Phenol	94	4.395	4.407	(0.941)	130092	20.0000	22.09
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	91502	20.0000	21.58
	9 2-Chlorophenol	128	4.489	4.495	(0.961)	116826	20.0000	21.76
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	129912	20.0000	21.76
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.672	(1.000)	161459	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	129243	20.0000	21.74
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	67207	20.0000	21.28
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	124238	20.0000	21.73
	15 2-Methylphenol	108	5.060	5.072	(1.083)	97926	20.0000	22.05
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	115620	20.0000	22.98
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	115620	20.0000	22.98
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	115620	20.0000	22.98
	20 3&4-Methylphenol	108	5.266	5.271	(1.127)	104826	20.0000	22.04
	19 Acetophenone	105	5.201	5.207	(1.113)	144881	20.0000	21.74
	21 N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	65472	20.0000	21.72

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	44583	20.0000	21.55
$ 23	Nitrobenzene-d5 (S)	82	5.413	5.419	(0.823)	94416	20.0000	21.55
24	Nitrobenzene	77	5.442	5.442	(0.827)	97513	20.0000	21.84
25	Isophorone	82	5.789	5.795	(0.880)	186206	20.0000	21.81
26	2-Nitrophenol	139	5.948	5.948	(0.904)	60518	20.0000	21.00
27	2,4-Dimethylphenol	122	6.071	6.083	(0.923)	99810	20.0000	21.89
28	Benzoic Acid	122	6.313	6.389	(0.960)	17164	20.0000	16.35
29	bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	118986	20.0000	21.84
30	2,4-Dichlorophenol	162	6.395	6.401	(0.972)	100437	20.0000	21.62
31	1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	109575	20.0000	21.57
* 32	Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	622659	40.0000	
33	Naphthalene	128	6.618	6.624	(1.006)	343644	20.0000	22.01
35	4-Chloroaniline	127	6.854	6.860	(1.042)	138721	20.0000	22.84
34	2,6-Dichlorophenol	162	6.854	6.860	(1.042)	98571	20.0000	21.79
36	Hexachlorobutadiene	225	7.024	7.030	(1.068)	66066	20.0000	21.35
37	Caprolactam	113	7.583	7.671	(1.153)	29763	20.0000	22.79
38	4-Chloro-3-methylphenol	107	8.136	8.154	(1.237)	88935	20.0000	21.50
39	2-Methylnaphthalene	142	8.212	8.218	(1.249)	241806	20.0000	22.19
41	1-Methylnaphthalene	142	8.430	8.436	(1.282)	234865	20.0000	22.32
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	23266	20.0000	21.58
44	2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	77869	20.0000	21.25
45	2,4,5-Trichlorophenol	196	8.954	8.965	(0.901)	81359	20.0000	21.47
$ 46	2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	264279	20.0000	22.03
48	Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	303329	20.0000	22.66
47	2-Chloronaphthalene	162	9.101	9.101	(0.915)	226175	20.0000	22.32
49	2-Nitroaniline	65	9.383	9.389	(0.944)	48962	20.0000	21.32
50	Dimethylphthalate	163	9.706	9.712	(0.976)	262936	20.0000	22.31
51	Acenaphthylene	152	9.724	9.730	(0.978)	387386	20.0000	22.53
52	2,6-Dinitrotoluene	165	9.801	9.806	(0.986)	53907	20.0000	21.30
54	3-Nitroaniline	138	9.977	9.989	(1.004)	59056	20.0000	22.02
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	373514	40.0000	
55	Acenaphthene	153	9.983	9.983	(1.004)	244878	20.0000	22.76
56	2,4-Dinitrophenol	184	10.124	10.130	(1.018)	19859	20.0000	20.48(M)
58	4-Nitrophenol	109	10.295	10.306	(1.035)	24368	20.0000	19.68
57	Dibenzofuran	168	10.189	10.195	(1.025)	337643	20.0000	22.28
59	2,4-Dinitrotoluene	165	10.306	10.312	(1.037)	76147	20.0000	21.74
60	Diethylphthalate	149	10.601	10.606	(1.066)	261401	20.0000	23.13
61	Fluorene	166	10.612	10.618	(1.067)	278009	20.0000	23.07
62	4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	131662	20.0000	21.77
63	4-Nitroaniline	138	10.742	10.753	(1.080)	62350	20.0000	21.50
64	4,6-Dinitro-2-methylphenol	198	10.789	10.795	(0.925)	40370	20.0000	19.32
65	N-Nitrosodiphenylamine	169	10.795	10.801	(0.926)	202092	20.0000	23.39
66	1,2-Diphenylhydrazine	77	10.812	10.818	(0.927)	243276	20.0000	23.07
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	51722	20.0000	20.58
68	4-Bromophenyl-phenylether	248	11.183	11.189	(0.959)	89242	20.0000	21.74
69	Hexachlorobenzene	284	11.336	11.342	(0.972)	106688	20.0000	21.51
70	Atrazine	200	11.442	11.448	(0.981)	66763	20.0000	21.87
71	Pentachlorophenol	266	11.559	11.559	(0.991)	37544	20.0000	19.97
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	697873	40.0000	
73	Phenanthrene	178	11.683	11.683	(1.002)	422214	20.0000	23.08
74	Anthracene	178	11.730	11.730	(1.006)	424160	20.0000	22.98
75	Carbazole	167	11.930	11.936	(1.023)	400536	20.0000	23.10
76	Di-n-butylphthalate	149	12.342	12.342	(1.059)	452135	20.0000	23.18
77	Fluoranthene	202	12.924	12.930	(1.108)	480155	20.0000	22.84

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.089	(1.122)	104905	20.0000	19.90
	79 Pyrene	202	13.147	13.153	(1.128)	505174	20.0000	23.06
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	311595	20.0000	22.57
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	202637	20.0000	22.30
	82 Benzo(a)anthracene	228	14.441	14.447	(0.998)	503864	20.0000	22.76
	83 3,3'-Dichlorobenzidine	252	14.447	14.453	(0.999)	167026	20.0000	22.46
*	84 Chrysene-d12 (IS)	240	14.465	14.465	(1.000)	885328	40.0000	
	85 Chrysene	228	14.494	14.500	(1.002)	462141	20.0000	22.05
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	286972	20.0000	21.97
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	489741	20.0000	22.36
	88 Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	534494	20.0000	21.59
	89 Benzo(k)fluoranthene	252	15.718	15.724	(0.977)	579411	20.0000	23.10
	90 Benzo(a)pyrene	252	16.024	16.030	(0.996)	482555	20.0000	21.94
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	600411	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.112	17.124	(1.064)	630995	20.0000	22.01
	93 Dibenz(a,h)anthracene	278	17.118	17.130	(1.064)	510865	20.0000	22.28
	94 Benzo(g,h,i)perylene	276	17.394	17.406	(1.082)	520899	20.0000	21.27

QC Flag Legend

M - Compound response manually integrated.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 20ppm.d
Lab Smp Id: CAL4,71674:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	161459	-9.44
32 Naphthalene-d8 (I	703988	351994	1407976	622659	-11.55
53 Acenaphthene-d10	410279	205140	820558	373514	-8.96
72 Phenanthrene-d10	780300	390150	1560600	697873	-10.56
84 Chrysene-d12 (IS)	969467	484734	1938934	885328	-8.68
91 Perylene-d12 (IS)	663754	331877	1327508	600411	-9.54

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.09
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	-0.00
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	-0.00

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL4,71674:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	21.83	
110-86-1	Pyridine	21.60	
100-52-7	Benzaldehyde	20.89	
108-95-2	Phenol	22.09	
111-44-4	bis(2-Chloroethyl)ether	21.58	
95-57-8	2-Chlorophenol	21.76	
541-73-1	1,3-Dichlorobenzene	21.76	
106-46-7	1,4-Dichlorobenzene	21.74	
100-51-6	Benzyl Alcohol	21.28	
95-50-1	1,2-Dichlorobenzene	21.73	
95-48-7	2-Methylphenol	22.05	
108-60-1	bis(2chloro1methylethyl) eth	22.98	
108-60-1	2,2'-Oxybis(1-chloropropane)	22.98	
39638-32-9	bis(2-Chloroisopropyl)ether	22.98	
----------	3&4-Methylphenol	22.04	
98-86-2	Acetophenone	21.74	
621-64-7	N-Nitroso-di-n-propylamine	21.72	
67-72-1	Hexachloroethane	21.55	
98-95-3	Nitrobenzene	21.84	
78-59-1	Isophorone	21.81	
88-75-5	2-Nitrophenol	21.00	
105-67-9	2,4-Dimethylphenol	21.89	
65-85-0	Benzoic Acid	16.35	
111-91-1	bis(2-Chloroethoxy)methane	21.84	
120-83-2	2,4-Dichlorophenol	21.62	
120-82-1	1,2,4-Trichlorobenzene	21.57	
91-20-3	Naphthalene	22.01	
106-47-8	4-Chloroaniline	22.84	
87-65-0	2,6-Dichlorophenol	21.79	
87-68-3	Hexachlorobutadiene	21.35	
10-60-2	Caprolactam	22.79	
59-50-7	4-Chloro-3-methylphenol	21.50	
91-57-6	2-Methylnaphthalene	22.19	
90-12-0	1-Methylnaphthalene	22.32	
77-47-4	Hexachlorocyclopentadiene	21.58	
88-06-2	2,4,6-Trichlorophenol	21.25	
95-95-4	2,4,5-Trichlorophenol	21.47	
92-52-4	Biphenyl (Diphenyl)	22.66	
91-58-7	2-Chloronaphthalene	22.32	
88-74-4	2-Nitroaniline	21.32	
131-11-3	Dimethylphthalate	22.31	
208-96-8	Acenaphthylene	22.53	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL4,71674:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	21.30	
99-09-2	3-Nitroaniline	22.02	
83-32-9	Acenaphthene	22.76	
51-28-5	2,4-Dinitrophenol	20.48	
100-02-7	4-Nitrophenol	19.68	
132-64-9	Dibenzofuran	22.28	
121-14-2	2,4-Dinitrotoluene	21.74	
84-66-2	Diethylphthalate	23.13	
86-73-7	Fluorene	23.07	
7005-72-3	4-Chlorophenyl-phenylether	21.77	
100-01-6	4-Nitroaniline	21.50	
534-52-1	4,6-Dinitro-2-methylphenol	19.32	
86-30-6	N-Nitrosodiphenylamine	23.39	
122-66-7	1,2-Diphenylhydrazine	23.07	
101-55-3	4-Bromophenyl-phenylether	21.74	
118-74-1	Hexachlorobenzene	21.51	
1912-24-9	Atrazine	21.87	
87-86-5	Pentachlorophenol	19.97	
85-01-8	Phenanthrene	23.08	
120-12-7	Anthracene	22.98	
86-74-8...	Carbazole	23.10	
84-74-2	Di-n-butylphthalate	23.18	
206-44-0	Fluoranthene	22.84	
92-87-5	Benzidine	19.90	
129-00-0	Pyrene	23.06	
85-68-7	Butylbenzylphthalate	22.30	
56-55-3	Benzo(a)anthracene	22.76	
91-94-1	3,3'-Dichlorobenzidine	22.46	
218-01-9	Chrysene	22.05	
117-81-7	bis(2-Ethylhexyl)phthalate	21.97	
117-84-0	Di-n-octylphthalate	22.36	
205-99-2	Benzo(b)fluoranthene	21.59	
207-08-9	Benzo(k)fluoranthene	23.10	
50-32-8	Benzo(a)pyrene	21.94	
193-39-5	Indeno(1,2,3-cd)pyrene	22.01	
53-70-3	Dibenz(a,h)anthracene	22.28	
191-24-2	Benzo(g,h,i)perylene	21.27	
367-12-4	2-Fluorophenol (S)	21.50	
13127-88-3	Phenol-d5 (S)	21.92	
4165-60-0	Nitrobenzene-d5 (S)	21.55	
321-60-8	2-Fluorobiphenyl (S)	22.03	

Pace Analytical Services, Inc.

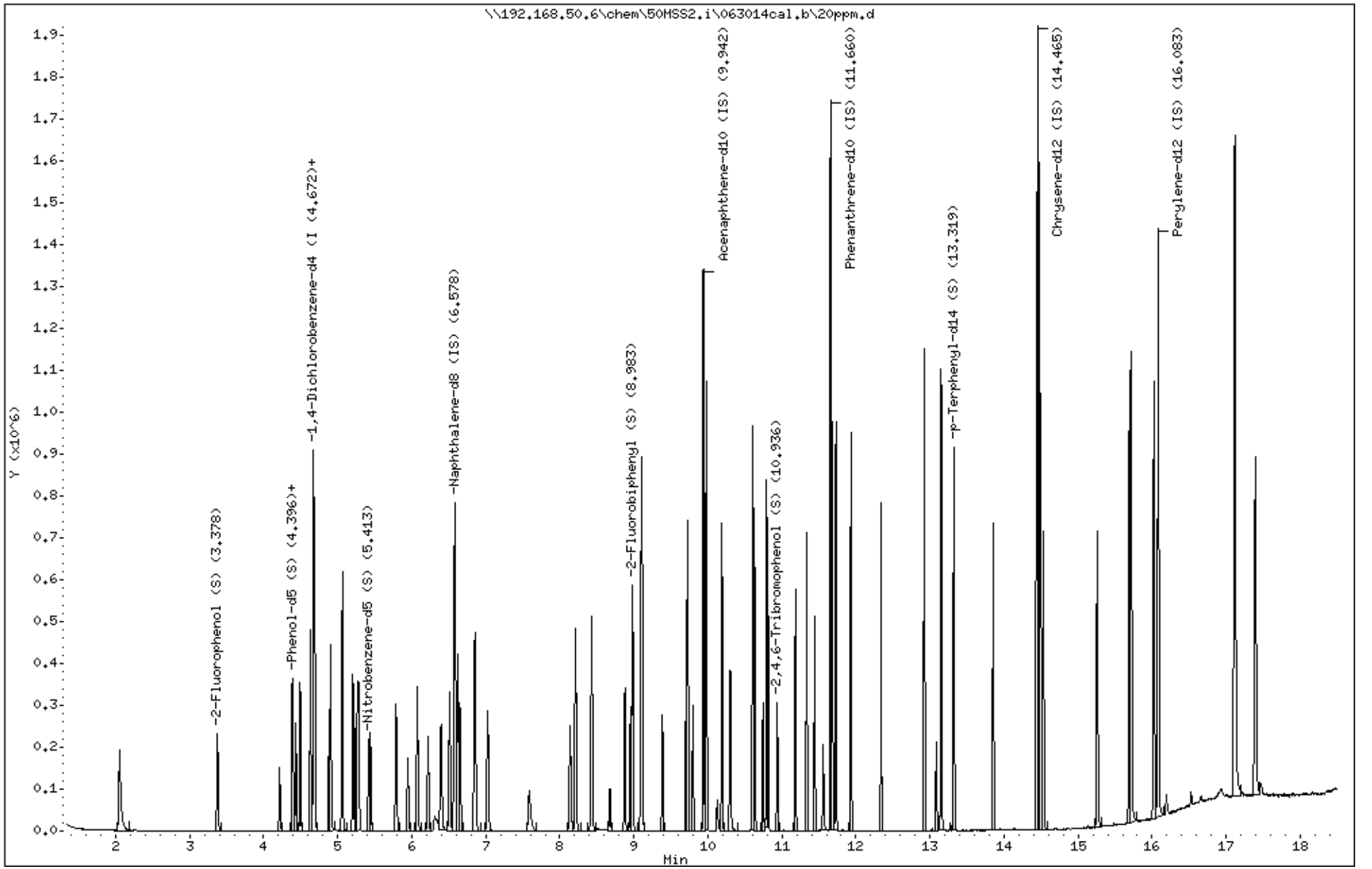
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL4,71674:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	20.58	
98904-43-9	p-Terphenyl-d14 (S)	22.57	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\20ppm.d
Date : 30-JUN-2014 14:19
Client ID:
Sample Info: CAL4,71674:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\50ppm.d
Lab Smp Id: CAL5,71675:1
Inj Date : 30-JUN-2014 14:42
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal5,71675:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 14:42 Cal File: 50ppm.d
Als bottle: 6 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.036	2.042	(0.436)	85551	50.0000	49.69
	2 Pyridine	79	2.042	2.048	(0.437)	240841	50.0000	50.63
$	3 2-Fluorophenol (S)	112	3.371	3.383	(0.722)	219506	50.0000	49.43
	5 Benzaldehyde	77	4.213	4.213	(0.902)	78736	50.0000	48.57
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	276808	50.0000	50.46
	7 Phenol	94	4.395	4.407	(0.941)	298071	50.0000	50.12
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	215427	50.0000	50.30
	9 2-Chlorophenol	128	4.489	4.495	(0.961)	272213	50.0000	50.22
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	300343	50.0000	49.82
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.672	(1.000)	163049	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	301092	50.0000	50.15
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	164635	50.0000	51.63
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	287270	50.0000	49.76
	15 2-Methylphenol	108	5.060	5.072	(1.083)	228073	50.0000	50.86
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	261752	50.0000	51.52
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	261752	50.0000	51.52
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	261752	50.0000	51.52
	20 3&4-Methylphenol	108	5.265	5.271	(1.127)	247381	50.0000	51.52
	19 Acetophenone	105	5.201	5.207	(1.113)	338493	50.0000	50.30
	21 N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	155725	50.0000	51.16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	105215	50.0000	50.36
$ 23	Nitrobenzene-d5 (S)	82	5.412	5.419	(0.822)	225427	50.0000	50.59
24	Nitrobenzene	77	5.442	5.442	(0.827)	230427	50.0000	50.74
25	Isophorone	82	5.789	5.795	(0.879)	436494	50.0000	50.27
26	2-Nitrophenol	139	5.948	5.948	(0.903)	150054	50.0000	51.19
27	2,4-Dimethylphenol	122	6.071	6.083	(0.922)	237184	50.0000	51.15
28	Benzoic Acid	122	6.336	6.389	(0.962)	67926	50.0000	65.77
29	bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	281754	50.0000	50.84
30	2,4-Dichlorophenol	162	6.389	6.401	(0.971)	240091	50.0000	50.80
31	1,2,4-Trichlorobenzene	180	6.512	6.513	(0.989)	256032	50.0000	49.56
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	633390	40.0000	
33	Naphthalene	128	6.618	6.624	(1.005)	802362	50.0000	50.52
35	4-Chloroaniline	127	6.854	6.860	(1.041)	325991	50.0000	52.75
34	2,6-Dichlorophenol	162	6.848	6.860	(1.040)	234354	50.0000	50.94
36	Hexachlorobutadiene	225	7.024	7.030	(1.067)	155564	50.0000	49.43
37	Caprolactam	113	7.612	7.671	(1.156)	72246	50.0000	54.38
38	4-Chloro-3-methylphenol	107	8.136	8.154	(1.236)	214263	50.0000	50.93
39	2-Methylnaphthalene	142	8.212	8.218	(1.247)	565012	50.0000	50.97
41	1-Methylnaphthalene	142	8.430	8.436	(1.281)	545109	50.0000	50.92
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	90250	50.0000	45.16
44	2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	186705	50.0000	51.05
45	2,4,5-Trichlorophenol	196	8.953	8.965	(0.901)	189106	50.0000	50.01
$ 46	2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	610024	50.0000	50.96
48	Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	689460	50.0000	51.61
47	2-Chloronaphthalene	162	9.100	9.101	(0.915)	517152	50.0000	51.13
49	2-Nitroaniline	65	9.383	9.389	(0.944)	118319	50.0000	51.62
50	Dimethylphthalate	163	9.706	9.712	(0.976)	596563	50.0000	50.72
51	Acenaphthylene	152	9.724	9.730	(0.978)	895213	50.0000	52.17
52	2,6-Dinitrotoluene	165	9.800	9.806	(0.986)	132007	50.0000	52.25
54	3-Nitroaniline	138	9.977	9.989	(1.004)	143958	50.0000	53.79
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	372754	40.0000	
55	Acenaphthene	153	9.983	9.983	(1.004)	550229	50.0000	51.24
56	2,4-Dinitrophenol	184	10.124	10.130	(1.018)	66850	50.0000	47.23
58	4-Nitrophenol	109	10.295	10.306	(1.035)	64581	50.0000	52.25
57	Dibenzofuran	168	10.189	10.195	(1.025)	768641	50.0000	50.84
59	2,4-Dinitrotoluene	165	10.306	10.312	(1.037)	185354	50.0000	53.04
60	Diethylphthalate	149	10.600	10.606	(1.066)	591635	50.0000	52.46
61	Fluorene	166	10.612	10.618	(1.067)	638047	50.0000	53.06
62	4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	307257	50.0000	50.90
63	4-Nitroaniline	138	10.747	10.753	(1.081)	152707	50.0000	52.77
64	4,6-Dinitro-2-methylphenol	198	10.789	10.795	(0.925)	110890	50.0000	51.41
65	N-Nitrosodiphenylamine	169	10.800	10.801	(0.926)	456461	50.0000	52.10
66	1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	559970	50.0000	52.37
$ 67	2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	126690	50.0000	49.73
68	4-Bromophenyl-phenylether	248	11.183	11.189	(0.959)	209138	50.0000	50.25
69	Hexachlorobenzene	284	11.336	11.342	(0.972)	250541	50.0000	49.82
70	Atrazine	200	11.441	11.448	(0.981)	158936	50.0000	51.35
71	Pentachlorophenol	266	11.553	11.559	(0.991)	108297	50.0000	46.47
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	707632	40.0000	
73	Phenanthrene	178	11.683	11.683	(1.002)	950440	50.0000	51.24
74	Anthracene	178	11.730	11.730	(1.006)	969855	50.0000	51.82
75	Carbazole	167	11.936	11.936	(1.024)	909048	50.0000	51.72
76	Di-n-butylphthalate	149	12.341	12.342	(1.059)	1022729	50.0000	51.71
77	Fluoranthene	202	12.924	12.930	(1.108)	1099574	50.0000	51.59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
78	Benzidine	184	13.088	13.089	(1.123)	244714	50.0000	51.77
79	Pyrene	202	13.153	13.153	(1.128)	1142572	50.0000	51.44
$ 80	p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	717986	50.0000	51.29
81	Butylbenzylphthalate	149	13.859	13.853	(0.958)	470737	50.0000	51.85
82	Benzo(a)anthracene	228	14.447	14.447	(0.998)	1142449	50.0000	51.66
83	3,3'-Dichlorobenzidine	252	14.453	14.453	(0.999)	369925	50.0000	49.80
* 84	Chrysene-d12 (IS)	240	14.471	14.465	(1.000)	884484	40.0000	
85	Chrysene	228	14.500	14.500	(1.002)	1069232	50.0000	51.07
86	bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	679892	50.0000	52.11
87	Di-n-octylphthalate	149	15.259	15.259	(0.949)	1163069	50.0000	53.95
88	Benzo(b)fluoranthene	252	15.700	15.700	(0.976)	1289221	50.0000	52.92
89	Benzo(k)fluoranthene	252	15.724	15.724	(0.978)	1266732	50.0000	51.32
90	Benzo(a)pyrene	252	16.029	16.030	(0.997)	1122174	50.0000	51.84
* 91	Perylene-d12 (IS)	264	16.082	16.083	(1.000)	590899	40.0000	
92	Indeno(1,2,3-cd)pyrene	276	17.118	17.124	(1.064)	1463719	50.0000	51.89
93	Dibenz(a,h)anthracene	278	17.123	17.130	(1.065)	1181459	50.0000	52.36(H)
94	Benzo(g,h,i)perylene	276	17.406	17.406	(1.082)	1232662	50.0000	51.14

QC Flag Legend

H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 50ppm.d
Lab Smp Id: CAL5,71675:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	163049	-8.55
32 Naphthalene-d8 (I	703988	351994	1407976	633390	-10.03
53 Acenaphthene-d10	410279	205140	820558	372754	-9.15
72 Phenanthrene-d10	780300	390150	1560600	707632	-9.31
84 Chrysene-d12 (IS)	969467	484734	1938934	884484	-8.77
91 Perylene-d12 (IS)	663754	331877	1327508	590899	-10.98

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	0.04
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	-0.00

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL5,71675:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	49.69	
110-86-1	Pyridine	50.63	
100-52-7	Benzaldehyde	48.57	
108-95-2	Phenol	50.12	
111-44-4	bis(2-Chloroethyl)ether	50.30	
95-57-8	2-Chlorophenol	50.22	
541-73-1	1,3-Dichlorobenzene	49.82	
106-46-7	1,4-Dichlorobenzene	50.15	
100-51-6	Benzyl Alcohol	51.63	
95-50-1	1,2-Dichlorobenzene	49.76	
95-48-7	2-Methylphenol	50.86	
108-60-1	bis(2chloro1methylethyl) eth	51.52	
108-60-1	2,2'-Oxybis(1-chloropropane)	51.52	
39638-32-9	bis(2-Chloroisopropyl)ether	51.52	
----------	3&4-Methylphenol	51.52	
98-86-2	Acetophenone	50.30	
621-64-7	N-Nitroso-di-n-propylamine	51.16	
67-72-1	Hexachloroethane	50.36	
98-95-3	Nitrobenzene	50.74	
78-59-1	Isophorone	50.27	
88-75-5	2-Nitrophenol	51.19	
105-67-9	2,4-Dimethylphenol	51.15	
65-85-0	Benzoic Acid	65.77	
111-91-1	bis(2-Chloroethoxy)methane	50.84	
120-83-2	2,4-Dichlorophenol	50.80	
120-82-1	1,2,4-Trichlorobenzene	49.56	
91-20-3	Naphthalene	50.52	
106-47-8	4-Chloroaniline	52.75	
87-65-0	2,6-Dichlorophenol	50.94	
87-68-3	Hexachlorobutadiene	49.43	
10-60-2	Caprolactam	54.38	
59-50-7	4-Chloro-3-methylphenol	50.93	
91-57-6	2-Methylnaphthalene	50.97	
90-12-0	1-Methylnaphthalene	50.92	
77-47-4	Hexachlorocyclopentadiene	45.16	
88-06-2	2,4,6-Trichlorophenol	51.05	
95-95-4	2,4,5-Trichlorophenol	50.01	
92-52-4	Biphenyl (Diphenyl)	51.61	
91-58-7	2-Chloronaphthalene	51.13	
88-74-4	2-Nitroaniline	51.62	
131-11-3	Dimethylphthalate	50.72	
208-96-8	Acenaphthylene	52.17	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL5,71675:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	52.25	
99-09-2	3-Nitroaniline	53.79	
83-32-9	Acenaphthene	51.24	
51-28-5	2,4-Dinitrophenol	47.23	
100-02-7	4-Nitrophenol	52.25	
132-64-9	Dibenzofuran	50.84	
121-14-2	2,4-Dinitrotoluene	53.04	
84-66-2	Diethylphthalate	52.46	
86-73-7	Fluorene	53.06	
7005-72-3	4-Chlorophenyl-phenylether	50.90	
100-01-6	4-Nitroaniline	52.77	
534-52-1	4,6-Dinitro-2-methylphenol	51.41	
86-30-6	N-Nitrosodiphenylamine	52.10	
122-66-7	1,2-Diphenylhydrazine	52.37	
101-55-3	4-Bromophenyl-phenylether	50.25	
118-74-1	Hexachlorobenzene	49.82	
1912-24-9	Atrazine	51.35	
87-86-5	Pentachlorophenol	46.47	
85-01-8	Phenanthrene	51.24	
120-12-7	Anthracene	51.82	
86-74-8...	Carbazole	51.72	
84-74-2	Di-n-butylphthalate	51.71	
206-44-0	Fluoranthene	51.59	
92-87-5	Benzidine	51.77	
129-00-0	Pyrene	51.44	
85-68-7	Butylbenzylphthalate	51.85	
56-55-3	Benzo(a)anthracene	51.66	
91-94-1	3,3'-Dichlorobenzidine	49.80	
218-01-9	Chrysene	51.07	
117-81-7	bis(2-Ethylhexyl)phthalate	52.11	
117-84-0	Di-n-octylphthalate	53.95	
205-99-2	Benzo(b)fluoranthene	52.92	
207-08-9	Benzo(k)fluoranthene	51.32	
50-32-8	Benzo(a)pyrene	51.84	
193-39-5	Indeno(1,2,3-cd)pyrene	51.89	
53-70-3	Dibenz(a,h)anthracene	52.36	
191-24-2	Benzo(g,h,i)perylene	51.14	
367-12-4	2-Fluorophenol (S)	49.43	
13127-88-3	Phenol-d5 (S)	50.46	
4165-60-0	Nitrobenzene-d5 (S)	50.59	
321-60-8	2-Fluorobiphenyl (S)	50.96	

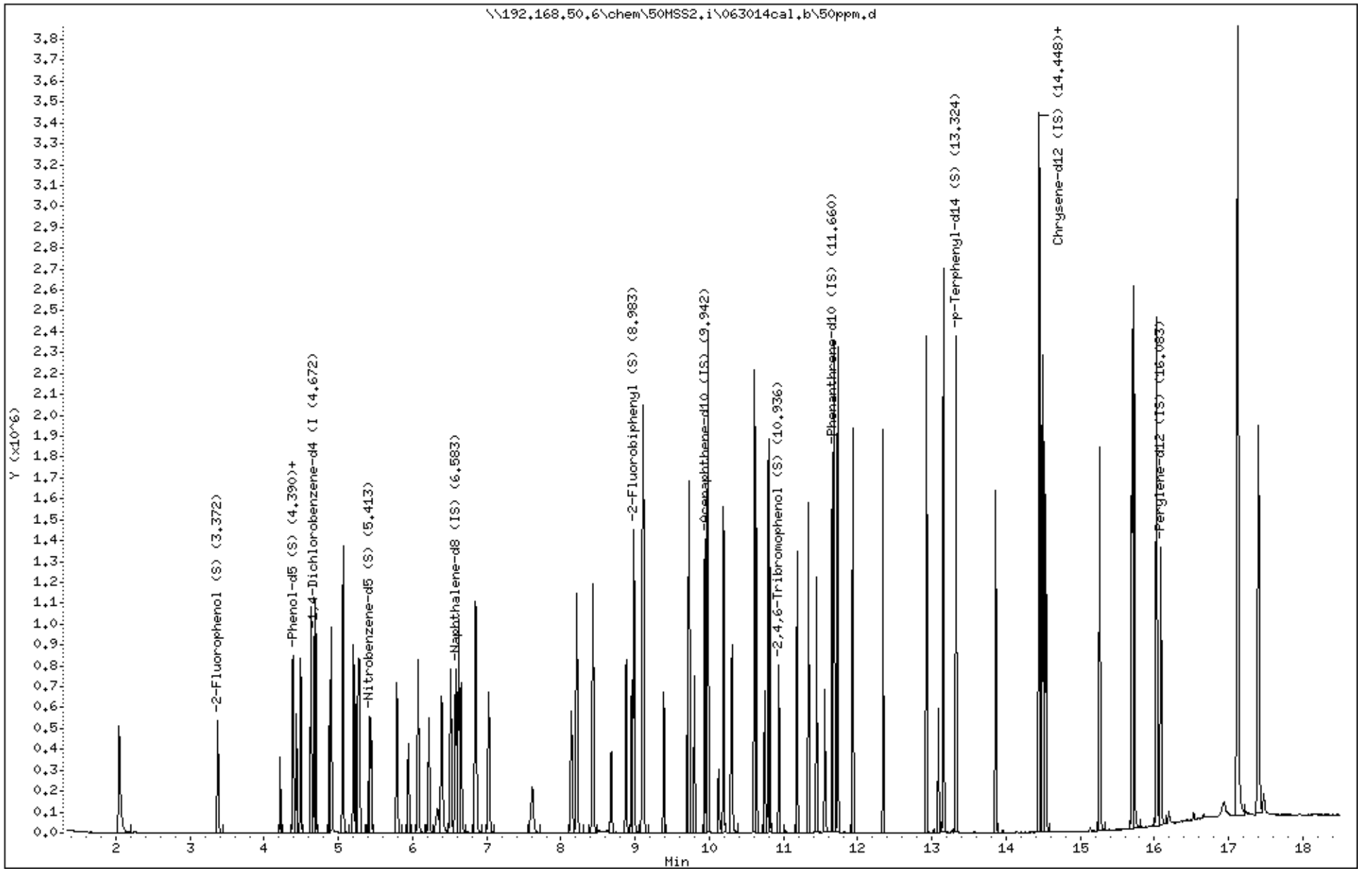
Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL5,71675:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	49.73	
98904-43-9	p-Terphenyl-d14 (S)	51.29	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\50ppm.d
Date : 30-JUN-2014 14:42
Client ID:
Instrument: 50MSS2.i
Sample Info: CAL5,71675:1
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
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\063014cal.b\100ppm.d
Lab Smp Id: CAL6,71676:1
Inj Date : 30-JUN-2014 15:04
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal6,71676:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 7 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.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)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.036	2.042	(0.436)	178003	100.000	94.54(H)
	2 Pyridine	79	2.042	2.048	(0.437)	507206	100.000	97.50
$	3 2-Fluorophenol (S)	112	3.372	3.383	(0.722)	464916	100.000	95.74
	5 Benzaldehyde	77	4.213	4.213	(0.902)	167218	100.000	96.81
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	573416	100.000	95.59
	7 Phenol	94	4.395	4.407	(0.941)	613032	100.000	94.26
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	440571	100.000	94.08
	9 2-Chlorophenol	128	4.489	4.495	(0.961)	563981	100.000	95.15
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	615696	100.000	93.39
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.672	(1.000)	178296	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	614901	100.000	93.66
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	348430	100.000	99.93
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	596290	100.000	94.46
	15 2-Methylphenol	108	5.066	5.072	(1.084)	459449	100.000	93.69
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	509637	100.000	95.21
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	509637	100.000	95.21
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	509637	100.000	95.21
	20 3&4-Methylphenol	108	5.266	5.271	(1.127)	506050	100.000	96.37
	19 Acetophenone	105	5.201	5.207	(1.113)	701798	100.000	95.37
	21 N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	318488	100.000	95.69
	22 Hexachloroethane	117	5.283	5.283	(1.131)	217521	100.000	95.22

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
$	23 Nitrobenzene-d5 (S)	82	5.413	5.419	(0.822)	472341	100.000	95.37
	24 Nitrobenzene	77	5.442	5.442	(0.827)	476696	100.000	94.44
	25 Isophorone	82	5.795	5.795	(0.880)	919340	100.000	95.26
	26 2-Nitrophenol	139	5.948	5.948	(0.903)	327411	100.000	100.5
	27 2,4-Dimethylphenol	122	6.071	6.083	(0.922)	493300	100.000	95.71
	28 Benzoic Acid	122	6.371	6.389	(0.968)	161105	100.000	96.81
	29 bis(2-Chloroethoxy)methane	93	6.219	6.218	(0.945)	587170	100.000	95.32
	30 2,4-Dichlorophenol	162	6.389	6.401	(0.971)	509414	100.000	96.99
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.989)	539111	100.000	93.88
*	32 Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	703988	40.0000	
	33 Naphthalene	128	6.619	6.624	(1.005)	1654220	100.000	93.72
	35 4-Chloroaniline	127	6.854	6.860	(1.041)	672552	100.000	97.92
	34 2,6-Dichlorophenol	162	6.854	6.860	(1.041)	492617	100.000	96.34
	36 Hexachlorobutadiene	225	7.024	7.030	(1.067)	333647	100.000	95.38
	37 Caprolactam	113	7.660	7.671	(1.163)	144471	100.000	97.83
	38 4-Chloro-3-methylphenol	107	8.136	8.154	(1.236)	454077	100.000	97.12
	39 2-Methylnaphthalene	142	8.218	8.218	(1.248)	1163632	100.000	94.45
	41 1-Methylnaphthalene	142	8.436	8.436	(1.281)	1123188	100.000	94.39
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	246187	100.000	92.07
	44 2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	394132	100.000	97.92
	45 2,4,5-Trichlorophenol	196	8.960	8.965	(0.901)	407408	100.000	97.89
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	1250038	100.000	94.88
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	1380176	100.000	93.86
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	1037563	100.000	93.21
	49 2-Nitroaniline	65	9.389	9.389	(0.944)	252928	100.000	100.3
	50 Dimethylphthalate	163	9.712	9.712	(0.977)	1215030	100.000	93.85
	51 Acenaphthylene	152	9.730	9.730	(0.979)	1796768	100.000	95.13
	52 2,6-Dinitrotoluene	165	9.801	9.806	(0.986)	279637	100.000	100.6
	54 3-Nitroaniline	138	9.983	9.989	(1.004)	294907	100.000	100.1
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	410279	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	1100142	100.000	96.64
	56 2,4-Dinitrophenol	184	10.124	10.130	(1.018)	166519	100.000	94.66
	58 4-Nitrophenol	109	10.295	10.306	(1.035)	139574	100.000	102.6
	57 Dibenzofuran	168	10.195	10.195	(1.025)	1566357	100.000	94.12
	59 2,4-Dinitrotoluene	165	10.312	10.312	(1.037)	387349	100.000	100.7
	60 Diethylphthalate	149	10.606	10.606	(1.067)	1154477	100.000	107.9
	61 Fluorene	166	10.618	10.618	(1.068)	1229325	100.000	104.0
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	625626	100.000	94.17
	63 4-Nitroaniline	138	10.754	10.753	(1.082)	320915	100.000	100.8
	64 4,6-Dinitro-2-methylphenol	198	10.795	10.795	(0.926)	245508	100.000	107.2(QM)
	65 N-Nitrosodiphenylamine	169	10.801	10.801	(0.926)	895564	100.000	95.73
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	1107278	100.000	93.91
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	279051	100.000	99.33
	68 4-Bromophenyl-phenylether	248	11.189	11.189	(0.960)	442696	100.000	96.46
	69 Hexachlorobenzene	284	11.342	11.342	(0.973)	525199	100.000	94.71
	70 Atrazine	200	11.448	11.448	(0.982)	325425	100.000	95.34
	71 Pentachlorophenol	266	11.559	11.559	(0.991)	257983	100.000	93.88
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	780300	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	1885840	100.000	95.46
	74 Anthracene	178	11.736	11.730	(1.007)	1895909	100.000	91.87
	75 Carbazole	167	11.936	11.936	(1.024)	1794110	100.000	92.56
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	2058123	100.000	94.38
	77 Fluoranthene	202	12.930	12.930	(1.109)	2163083	100.000	95.29
	78 Benzidine	184	13.089	13.089	(1.123)	520217	100.000	94.77

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	79 Pyrene	202	13.159	13.153	(1.129)	2260163	100.000	95.57
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	1459862	100.000	94.57
	81 Butylbenzylphthalate	149	13.859	13.853	(0.958)	959442	100.000	96.42
	82 Benzo(a)anthracene	228	14.453	14.447	(0.999)	2275058	100.000	93.86
	83 3,3'-Dichlorobenzidine	252	14.453	14.453	(0.999)	723517	100.000	88.86
*	84 Chrysene-d12 (IS)	240	14.471	14.465	(1.000)	969467	40.0000	
	85 Chrysene	228	14.506	14.500	(1.002)	2140851	100.000	93.29
	86 bis(2-Ethylhexyl)phthalate	149	14.536	14.530	(1.004)	1378242	100.000	96.38
	87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	2348053	100.000	96.97
	88 Benzo(b)fluoranthene	252	15.700	15.700	(0.976)	2717480	100.000	99.30
	89 Benzo(k)fluoranthene	252	15.730	15.724	(0.978)	2441024	100.000	88.04
	90 Benzo(a)pyrene	252	16.036	16.030	(0.997)	2300856	100.000	94.62
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	663754	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.124	17.124	(1.065)	2998573	100.000	94.63
	93 Dibenz(a,h)anthracene	278	17.130	17.130	(1.065)	2416980	100.000	95.35
	94 Benzo(g,h,i)perylene	276	17.412	17.406	(1.083)	2573907	100.000	95.05

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100ppm.d
Lab Smp Id: CAL6,71676:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 30-JUN-2014
Calibration Time: 15:04
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	178296	0.00
32 Naphthalene-d8 (I	703988	351994	1407976	703988	0.00
53 Acenaphthene-d10	410279	205140	820558	410279	0.00
72 Phenanthrene-d10	780300	390150	1560600	780300	0.00
84 Chrysene-d12 (IS)	969467	484734	1938934	969467	0.00
91 Perylene-d12 (IS)	663754	331877	1327508	663754	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	0.00
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	0.00

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i Injection Date: 30-JUN-2014 15:04
Lab File ID: 100ppm.d Init. Cal. Date(s): 30-JUN-2014 30-JUN-2014
Analysis Type: WATER Init. Cal. Times: 13:34 16:12
Lab Sample ID: CAL6,71676:1 Quant Type: ISTD
Method: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
1 N-Nitrosodimethylamine	0.42239	0.39934	0.39934	0.000	-5.45718	20.00000	Aver	(H)
2 Pyridine	1.16703	1.13790	1.13790	0.000	-2.49672	20.00000	Aver	
$ 3 2-Fluorophenol (S)	1.08947	1.04302	1.04302	0.000	-4.26313	20.00000	Aver	
5 Benzaldehyde	0.38751	0.37515	0.37515	0.000	-3.19050	20.00000	Aver	
$ 6 Phenol-d5 (S)	1.34578	1.28644	1.28644	0.000	-4.40983	20.00000	Aver	
7 Phenol	1.45901	1.37531	1.37531	0.000	-5.73685	20.00000	Aver	
8 bis(2-Chloroethyl)ether	1.05059	0.98840	0.98840	0.000	-5.91935	20.00000	Aver	
9 2-Chlorophenol	1.32979	1.26527	1.26527	0.000	-4.85198	20.00000	Aver	
10 1,3-Dichlorobenzene	1.47900	1.38129	1.38129	0.000	-6.60650	20.00000	Aver	
12 1,4-Dichlorobenzene	1.47281	1.37951	1.37951	0.000	-6.33519	20.00000	Aver	
13 Benzyl Alcohol	0.78225	0.78169	0.78169	0.000	-0.07171	20.00000	Aver	
14 1,2-Dichlorobenzene	1.41619	1.33775	1.33775	0.000	-5.53850	20.00000	Aver	
15 2-Methylphenol	1.10020	1.03076	1.03076	0.000	-6.31203	20.00000	Aver	
16 bis(2chloro1methylethyl) et	1.20086	1.14335	1.14335	0.000	-4.78943	20.00000	Aver	
17 2,2'-Oxybis(1-chloropropane	1.20086	1.14335	1.14335	0.000	-4.78943	20.00000	Aver	
18 bis(2-Chloroisopropyl)ether	1.20086	1.14335	1.14335	0.000	-4.78943	20.00000	Aver	
20 3&4-Methylphenol	1.17805	1.13530	1.13530	0.000	-3.62877	20.00000	Aver	
19 Acetophenone	1.65095	1.57446	1.57446	0.000	-4.63355	20.00000	Aver	
21 N-Nitroso-di-n-propylamine	0.74669	0.71452	0.71452	0.050	-4.30935	20.00000	Aver	
22 Hexachloroethane	0.51252	0.48800	0.48800	0.000	-4.78424	20.00000	Aver	
$ 23 Nitrobenzene-d5 (S)	0.28142	0.26838	0.26838	0.000	-4.63201	20.00000	Aver	
24 Nitrobenzene	0.28680	0.27085	0.27085	0.000	-5.56031	20.00000	Aver	
25 Isophorone	0.54834	0.52236	0.52236	0.000	-4.73745	20.00000	Aver	
26 2-Nitrophenol	0.18512	0.18603	0.18603	0.000	0.49022	20.00000	Aver	
27 2,4-Dimethylphenol	0.29285	0.28029	0.28029	0.000	-4.28942	20.00000	Aver	
28 Benzoic Acid	100	96.81222	0.09154	0.000	-3.18778	20.00000	Quad	
29 bis(2-Chloroethoxy)methane	0.35001	0.33363	0.33363	0.000	-4.68006	20.00000	Aver	
30 2,4-Dichlorophenol	0.29844	0.28944	0.28944	0.000	-3.01322	20.00000	Aver	
31 1,2,4-Trichlorobenzene	0.32627	0.30632	0.30632	0.000	-6.11542	20.00000	Aver	
33 Naphthalene	1.00290	0.93991	0.93991	0.000	-6.28082	20.00000	Aver	
35 4-Chloroaniline	0.39025	0.38214	0.38214	0.000	-2.07820	20.00000	Aver	
34 2,6-Dichlorophenol	0.29054	0.27990	0.27990	0.000	-3.66324	20.00000	Aver	
36 Hexachlorobutadiene	0.19877	0.18958	0.18958	0.000	-4.62378	20.00000	Aver	
37 Caprolactam	0.08390	0.08209	0.08209	0.000	-2.16613	20.00000	Aver	
38 4-Chloro-3-methylphenol	0.26567	0.25800	0.25800	0.000	-2.88459	20.00000	Aver	
39 2-Methylnaphthalene	0.70002	0.66117	0.66117	0.000	-5.55025	20.00000	Aver	
41 1-Methylnaphthalene	0.67611	0.63819	0.63819	0.000	-5.60910	20.00000	Aver	
43 Hexachlorocyclopentadiene	100	92.07125	0.24002	0.050	-7.92875	20.00000	Line	
44 2,4,6-Trichlorophenol	0.39243	0.38426	0.38426	0.000	-2.08139	20.00000	Aver	
45 2,4,5-Trichlorophenol	0.40577	0.39720	0.39720	0.000	-2.11122	20.00000	Aver	
$ 46 2-Fluorobiphenyl (S)	1.28447	1.21872	1.21872	0.000	-5.11919	20.00000	Aver	
48 Biphenyl (Diphenyl)	1.43359	1.34560	1.34560	0.000	-6.13774	20.00000	Aver	

QC Flag Legend

H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i Injection Date: 30-JUN-2014 15:04
Lab File ID: 100ppm.d Init. Cal. Date(s): 30-JUN-2014 30-JUN-2014
Analysis Type: WATER Init. Cal. Times: 13:34 16:12
Lab Sample ID: CAL6,71676:1 Quant Type: ISTD
Method: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
47 2-Chloronaphthalene	1.08527	1.01157	1.01157	0.000	-6.79138	20.00000	Aver	
49 2-Nitroaniline	0.24594	0.24659	0.24659	0.000	0.26582	20.00000	Aver	
50 Dimethylphthalate	1.26222	1.18459	1.18459	0.000	-6.15068	20.00000	Aver	
51 Acenaphthylene	1.84139	1.75175	1.75175	0.000	-4.86815	20.00000	Aver	
52 2,6-Dinitrotoluene	0.27109	0.27263	0.27263	0.000	0.56860	20.00000	Aver	
54 3-Nitroaniline	0.28721	0.28752	0.28752	0.000	0.10766	20.00000	Aver	
55 Acenaphthene	1.10980	1.07258	1.07258	0.000	-3.35423	20.00000	Aver	
56 2,4-Dinitrophenol	100	94.66320	0.16235	0.050	-5.33680	20.00000	Line	
58 4-Nitrophenol	0.13263	0.13608	0.13608	0.050	2.59965	20.00000	Aver	
57 Dibenzofuran	1.62251	1.52711	1.52711	0.000	-5.87977	20.00000	Aver	
59 2,4-Dinitrotoluene	0.37503	0.37764	0.37764	0.000	0.69717	20.00000	Aver	
60 Diethylphthalate	100	108	1.12555	0.000	7.86736	20.00000	Line	
61 Fluorene	100	104	1.19853	0.000	4.05453	20.00000	Line	
62 4-Chlorophenyl-phenylether	0.64770	0.60995	0.60995	0.000	-5.82745	20.00000	Aver	
63 4-Nitroaniline	0.31051	0.31287	0.31287	0.000	0.76092	20.00000	Aver	
64 4,6-Dinitro-2-methylphenol	0.11740	0.12585	0.12585	0.000	7.19705	20.00000	Aver	(QM)
65 N-Nitrosodiphenylamine	0.47954	0.45909	0.45909	0.000	-4.26511	20.00000	Aver	
66 1,2-Diphenylhydrazine	0.60443	0.56762	0.56762	0.000	-6.09131	20.00000	Aver	
$ 67 2,4,6-Tribromophenol (S)	0.14401	0.14305	0.14305	0.000	-0.66932	20.00000	Aver	
68 4-Bromophenyl-phenylether	0.23525	0.22694	0.22694	0.000	-3.53525	20.00000	Aver	
69 Hexachlorobenzene	0.28426	0.26923	0.26923	0.000	-5.28769	20.00000	Aver	
70 Atrazine	0.17497	0.16682	0.16682	0.000	-4.65694	20.00000	Aver	
71 Pentachlorophenol	100	93.88542	0.13225	0.000	-6.11458	20.00000	Line	
73 Phenanthrene	1.01264	0.96673	0.96673	0.000	-4.53447	20.00000	Aver	
74 Anthracene	1.05789	0.97189	0.97189	0.000	-8.12972	20.00000	Aver	
75 Carbazole	0.99360	0.91970	0.91970	0.000	-7.43732	20.00000	Aver	
76 Di-n-butylphthalate	1.11792	1.05504	1.05504	0.000	-5.62442	20.00000	Aver	
77 Fluoranthene	1.16369	1.10885	1.10885	0.000	-4.71261	20.00000	Aver	
78 Benzidine	0.28139	0.26668	0.26668	0.000	-5.22847	20.00000	Aver	
79 Pyrene	1.21231	1.15861	1.15861	0.000	-4.42961	20.00000	Aver	
$ 80 p-Terphenyl-d14 (S)	0.79129	0.74836	0.74836	0.000	-5.42543	20.00000	Aver	
81 Butylbenzylphthalate	0.41056	0.39586	0.39586	0.000	-3.57945	20.00000	Aver	
82 Benzo(a)anthracene	1.00012	0.93868	0.93868	0.000	-6.14300	20.00000	Aver	
83 3,3'-Dichlorobenzidine	0.33596	0.29852	0.29852	0.000	-11.14456	20.00000	Aver	
85 Chrysene	0.94679	0.88331	0.88331	0.000	-6.70515	20.00000	Aver	
86 bis(2-Ethylhexyl)phthalate	0.59003	0.56866	0.56866	0.000	-3.62219	20.00000	Aver	
87 Di-n-octylphthalate	1.45927	1.41501	1.41501	0.000	-3.03298	20.00000	Aver	
88 Benzo(b)fluoranthene	1.64913	1.63764	1.63764	0.000	-0.69627	20.00000	Aver	
89 Benzo(k)fluoranthene	1.67087	1.47104	1.47104	0.000	-11.95957	20.00000	Aver	
90 Benzo(a)pyrene	1.46542	1.38657	1.38657	0.000	-5.38063	20.00000	Aver	
92 Indeno(1,2,3-cd)pyrene	1.90952	1.80704	1.80704	0.000	-5.36679	20.00000	Aver	
93 Dibenz(a,h)anthracene	1.52757	1.45655	1.45655	0.000	-4.64927	20.00000	Aver	

QC Flag Legend

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

Pace Analytical Services, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: 50MSS2.i Injection Date: 30-JUN-2014 15:04
Lab File ID: 100ppm.d Init. Cal. Date(s): 30-JUN-2014 30-JUN-2014
Analysis Type: WATER Init. Cal. Times: 13:34 16:12
Lab Sample ID: CAL6,71676:1 Quant Type: ISTD
Method: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m

COMPOUND	RRF / AMOUNT	RF100	CCAL RRF100	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	QC FLAGS
94 Benzo(g,h,i)perylene	1.63182	1.55112	1.55112	0.000	-4.94519	20.00000	Aver	

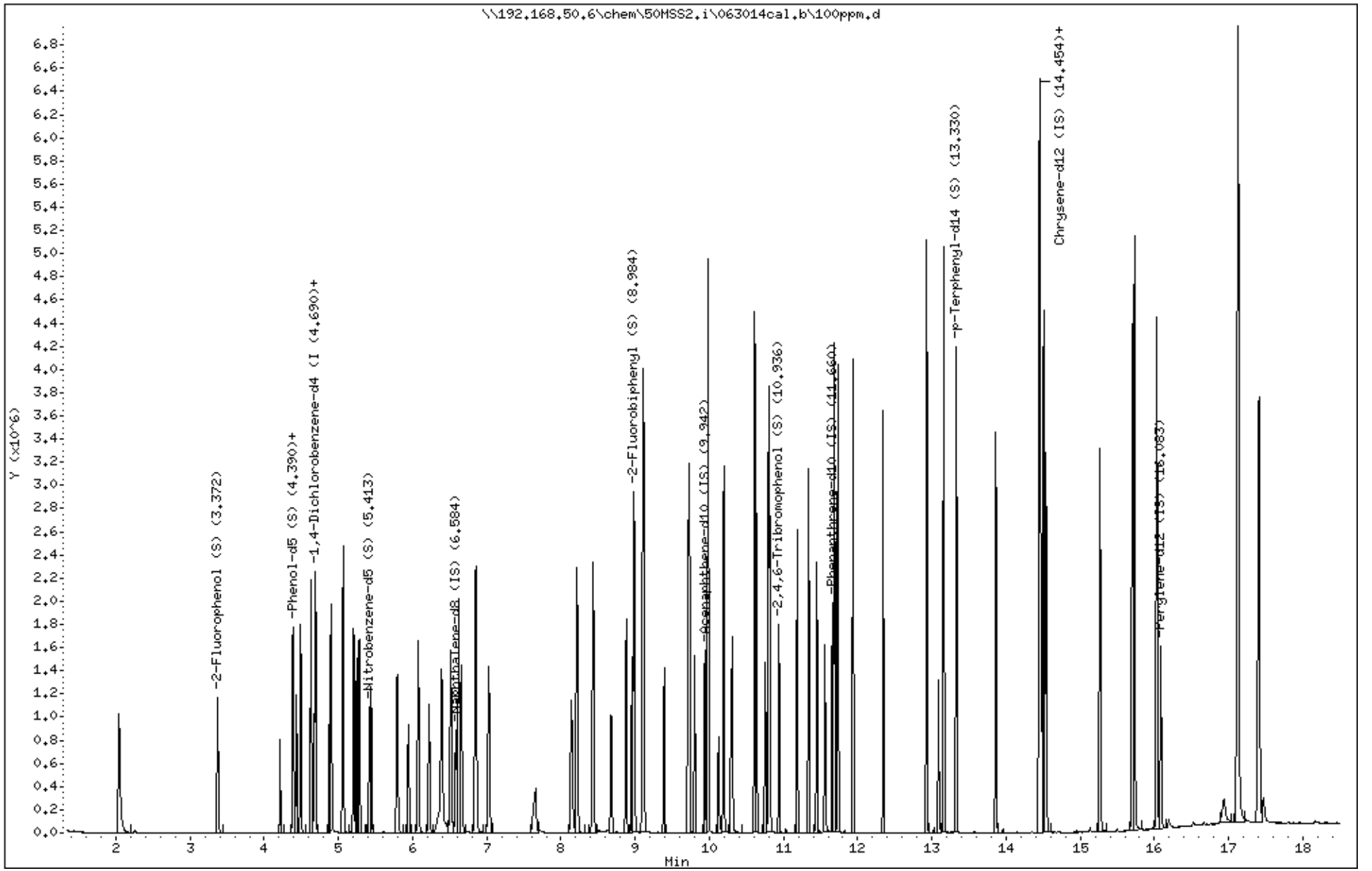
QC Flag Legend

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

Average %D / Drift Results.
Calculated Average %D/Drift = 9.14898
Maximun Average %D/Drift = 0.000e+000
* Failed Average %D/Drift Test.

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm.d
Date : 30-JUN-2014 15:04
Client ID:
Sample Info: CAL6,71676:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\150ppm.d
Lab Smp Id: CAL7,71677:1
Inj Date : 30-JUN-2014 15:27
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal7,71677:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 15:27 Cal File: 150ppm.d
Als bottle: 8 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.042	2.042	(0.437)	265009	150.000	140.8
	2 Pyridine	79	2.042	2.048	(0.437)	757085	150.000	145.6
$	3 2-Fluorophenol (S)	112	3.371	3.383	(0.722)	689486	150.000	142.0
	5 Benzaldehyde	77	4.213	4.213	(0.902)	252495	150.000	151.2
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	851570	150.000	142.0
	7 Phenol	94	4.395	4.407	(0.941)	898846	150.000	138.3
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	655498	150.000	140.0
	9 2-Chlorophenol	128	4.489	4.495	(0.961)	827159	150.000	139.6
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	918390	150.000	139.4
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.672	(1.000)	178221	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	910606	150.000	138.8
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	520993	150.000	149.5
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	881427	150.000	139.7
	15 2-Methylphenol	108	5.065	5.072	(1.084)	678352	150.000	138.4
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	726872	150.000	130.9
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	726872	150.000	130.9
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	726872	150.000	130.9
	20 3&4-Methylphenol	108	5.265	5.271	(1.127)	745645	150.000	142.0
	19 Acetophenone	105	5.207	5.207	(1.115)	1044533	150.000	142.0
	21 N-Nitroso-di-n-propylamine	70	5.248	5.248	(1.123)	472100	150.000	141.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	322132	150.000	141.1
$ 23	Nitrobenzene-d5 (S)	82	5.418	5.419	(0.823)	716725	150.000	142.9
24	Nitrobenzene	77	5.448	5.442	(0.828)	723537	150.000	141.6
25	Isophorone	82	5.801	5.795	(0.881)	1373027	150.000	140.5
26	2-Nitrophenol	139	5.948	5.948	(0.903)	489958	150.000	148.5
27	2,4-Dimethylphenol	122	6.077	6.083	(0.923)	730665	150.000	140.0
28	Benzoic Acid	122	6.412	6.389	(0.974)	310300	150.000	147.6
29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.945)	866877	150.000	139.0
30	2,4-Dichlorophenol	162	6.389	6.401	(0.971)	769504	150.000	144.7
31	1,2,4-Trichlorobenzene	180	6.518	6.513	(0.990)	814626	150.000	140.1
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	712747	40.0000	
33	Naphthalene	128	6.624	6.624	(1.006)	2458886	150.000	137.6
35	4-Chloroaniline	127	6.854	6.860	(1.041)	977138	150.000	140.5
34	2,6-Dichlorophenol	162	6.854	6.860	(1.041)	726007	150.000	140.2
36	Hexachlorobutadiene	225	7.030	7.030	(1.068)	503341	150.000	142.1
37	Caprolactam	113	7.701	7.671	(1.170)	212946	150.000	142.4
38	4-Chloro-3-methylphenol	107	8.142	8.154	(1.237)	683493	150.000	144.4
39	2-Methylnaphthalene	142	8.218	8.218	(1.248)	1717287	150.000	137.7
41	1-Methylnaphthalene	142	8.436	8.436	(1.281)	1662723	150.000	138.0
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	431479	150.000	148.7
44	2,4,6-Trichlorophenol	196	8.877	8.883	(0.893)	596427	150.000	145.5
45	2,4,5-Trichlorophenol	196	8.959	8.965	(0.901)	619340	150.000	146.1
$ 46	2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	1832704	150.000	136.6
48	Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	1983063	150.000	132.4
47	2-Chloronaphthalene	162	9.106	9.101	(0.916)	1525354	150.000	134.5
49	2-Nitroaniline	65	9.395	9.389	(0.945)	375921	150.000	146.3
50	Dimethylphthalate	163	9.712	9.712	(0.977)	1764168	150.000	133.8
51	Acenaphthylene	152	9.730	9.730	(0.979)	2589328	150.000	134.6
52	2,6-Dinitrotoluene	165	9.806	9.806	(0.986)	425909	150.000	150.4
54	3-Nitroaniline	138	9.989	9.989	(1.005)	430879	150.000	143.6
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	417940	40.0000	
55	Acenaphthene	153	9.983	9.983	(1.004)	1566685	150.000	130.1
56	2,4-Dinitrophenol	184	10.130	10.130	(1.019)	277759	150.000	150.1
58	4-Nitrophenol	109	10.294	10.306	(1.035)	213827	150.000	154.3
57	Dibenzofuran	168	10.194	10.195	(1.025)	2282951	150.000	134.7
59	2,4-Dinitrotoluene	165	10.312	10.312	(1.037)	580144	150.000	148.0
60	Diethylphthalate	149	10.606	10.606	(1.067)	1641815	150.000	129.8
61	Fluorene	166	10.618	10.618	(1.068)	1737425	150.000	128.8
62	4-Chlorophenyl-phenylether	204	10.641	10.636	(1.070)	930883	150.000	137.6
63	4-Nitroaniline	138	10.759	10.753	(1.082)	483980	150.000	149.2
64	4,6-Dinitro-2-methylphenol	198	10.800	10.795	(0.926)	370973	150.000	154.5
65	N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1272818	150.000	131.4
66	1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	1592426	150.000	134.7
$ 67	2,4,6-Tribromophenol (S)	330	10.941	10.942	(0.938)	443704	150.000	157.6
68	4-Bromophenyl-phenylether	248	11.189	11.189	(0.960)	659767	150.000	143.4
69	Hexachlorobenzene	284	11.341	11.342	(0.973)	794206	150.000	142.9
70	Atrazine	200	11.453	11.448	(0.982)	488530	150.000	142.8
71	Pentachlorophenol	266	11.559	11.559	(0.991)	425502	150.000	150.9
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	782141	40.0000	
73	Phenanthrene	178	11.688	11.683	(1.003)	2712468	150.000	132.3
74	Anthracene	178	11.736	11.730	(1.007)	2757462	150.000	133.3
75	Carbazole	167	11.936	11.936	(1.024)	2583078	150.000	133.0
76	Di-n-butylphthalate	149	12.341	12.342	(1.059)	2925853	150.000	133.8
77	Fluoranthene	202	12.930	12.930	(1.109)	3137374	150.000	133.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
78	Benzidine	184	13.088	13.089	(1.123)	755388	150.000	152.9
79	Pyrene	202	13.159	13.153	(1.129)	3242376	150.000	132.1
$ 80	p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	2126289	150.000	137.4
81	Butylbenzylphthalate	149	13.859	13.853	(0.958)	1367361	150.000	140.6
82	Benzo(a)anthracene	228	14.447	14.447	(0.998)	3217321	150.000	135.9
83	3,3'-Dichlorobenzidine	252	14.453	14.453	(0.999)	1023768	150.000	128.7
* 84	Chrysene-d12 (IS)	240	14.471	14.465	(1.000)	947126	40.0000	
85	Chrysene	228	14.506	14.500	(1.002)	3089370	150.000	137.8
86	bis(2-Ethylhexyl)phthalate	149	14.529	14.530	(1.004)	2002354	150.000	143.3
87	Di-n-octylphthalate	149	15.259	15.259	(0.949)	3393370	150.000	142.3
88	Benzo(b)fluoranthene	252	15.706	15.700	(0.977)	3801956	150.000	141.1
89	Benzo(k)fluoranthene	252	15.729	15.724	(0.978)	3687249	150.000	135.0
90	Benzo(a)pyrene	252	16.035	16.030	(0.997)	3362313	150.000	140.4
* 91	Perylene-d12 (IS)	264	16.082	16.083	(1.000)	653636	40.0000	
92	Indeno(1,2,3-cd)pyrene	276	17.129	17.124	(1.065)	4365185	150.000	139.9
93	Dibenz(a,h)anthracene	278	17.135	17.130	(1.065)	3457739	150.000	138.5(H)
94	Benzo(g,h,i)perylene	276	17.418	17.406	(1.083)	3784095	150.000	141.9

QC Flag Legend

H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 150ppm.d
Lab Smp Id: CAL7,71677:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	178221	-0.04
32 Naphthalene-d8 (I	703988	351994	1407976	712747	1.24
53 Acenaphthene-d10	410279	205140	820558	417940	1.87
72 Phenanthrene-d10	780300	390150	1560600	782141	0.24
84 Chrysene-d12 (IS)	969467	484734	1938934	947126	-2.30
91 Perylene-d12 (IS)	663754	331877	1327508	653636	-1.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.01
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	0.04
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.08	-0.00

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL7,71677:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	140.8	
110-86-1	Pyridine	145.6	
100-52-7	Benzaldehyde	151.2	
108-95-2	Phenol	138.3	
111-44-4	bis(2-Chloroethyl)ether	140.0	
95-57-8	2-Chlorophenol	139.6	
541-73-1	1,3-Dichlorobenzene	139.4	
106-46-7	1,4-Dichlorobenzene	138.8	
100-51-6	Benzyl Alcohol	149.5	
95-50-1	1,2-Dichlorobenzene	139.7	
95-48-7	2-Methylphenol	138.4	
108-60-1	bis(2chloro1methylethyl) eth	130.9	
108-60-1	2,2'-Oxybis(1-chloropropane)	130.9	
39638-32-9	bis(2-Chloroisopropyl)ether	130.9	
----------	3&4-Methylphenol	142.0	
98-86-2	Acetophenone	142.0	
621-64-7	N-Nitroso-di-n-propylamine	141.9	
67-72-1	Hexachloroethane	141.1	
98-95-3	Nitrobenzene	141.6	
78-59-1	Isophorone	140.5	
88-75-5	2-Nitrophenol	148.5	
105-67-9	2,4-Dimethylphenol	140.0	
65-85-0	Benzoic Acid	147.6	
111-91-1	bis(2-Chloroethoxy)methane	139.0	
120-83-2	2,4-Dichlorophenol	144.7	
120-82-1	1,2,4-Trichlorobenzene	140.1	
91-20-3	Naphthalene	137.6	
106-47-8	4-Chloroaniline	140.5	
87-65-0	2,6-Dichlorophenol	140.2	
87-68-3	Hexachlorobutadiene	142.1	
10-60-2	Caprolactam	142.4	
59-50-7	4-Chloro-3-methylphenol	144.4	
91-57-6	2-Methylnaphthalene	137.7	
90-12-0	1-Methylnaphthalene	138.0	
77-47-4	Hexachlorocyclopentadiene	148.7	
88-06-2	2,4,6-Trichlorophenol	145.5	
95-95-4	2,4,5-Trichlorophenol	146.1	
92-52-4	Biphenyl (Diphenyl)	132.4	
91-58-7	2-Chloronaphthalene	134.5	
88-74-4	2-Nitroaniline	146.3	
131-11-3	Dimethylphthalate	133.8	
208-96-8	Acenaphthylene	134.6	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL7,71677:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	150.4	
99-09-2	3-Nitroaniline	143.6	
83-32-9	Acenaphthene	130.1	
51-28-5	2,4-Dinitrophenol	150.1	
100-02-7	4-Nitrophenol	154.3	
132-64-9	Dibenzofuran	134.7	
121-14-2	2,4-Dinitrotoluene	148.0	
84-66-2	Diethylphthalate	129.8	
86-73-7	Fluorene	128.8	
7005-72-3	4-Chlorophenyl-phenylether	137.6	
100-01-6	4-Nitroaniline	149.2	
534-52-1	4,6-Dinitro-2-methylphenol	154.5	
86-30-6	N-Nitrosodiphenylamine	131.4	
122-66-7	1,2-Diphenylhydrazine	134.7	
101-55-3	4-Bromophenyl-phenylether	143.4	
118-74-1	Hexachlorobenzene	142.9	
1912-24-9	Atrazine	142.8	
87-86-5	Pentachlorophenol	150.9	
85-01-8	Phenanthrene	132.3	
120-12-7	Anthracene	133.3	
86-74-8...	Carbazole	133.0	
84-74-2	Di-n-butylphthalate	133.8	
206-44-0	Fluoranthene	133.2	
92-87-5	Benzidine	152.9	
129-00-0	Pyrene	132.1	
85-68-7	Butylbenzylphthalate	140.6	
56-55-3	Benzo(a)anthracene	135.9	
91-94-1	3,3'-Dichlorobenzidine	128.7	
218-01-9	Chrysene	137.8	
117-81-7	bis(2-Ethylhexyl)phthalate	143.3	
117-84-0	Di-n-octylphthalate	142.3	
205-99-2	Benzo(b)fluoranthene	141.1	
207-08-9	Benzo(k)fluoranthene	135.0	
50-32-8	Benzo(a)pyrene	140.4	
193-39-5	Indeno(1,2,3-cd)pyrene	139.9	
53-70-3	Dibenz(a,h)anthracene	138.5	
191-24-2	Benzo(g,h,i)perylene	141.9	
367-12-4	2-Fluorophenol (S)	142.0	
13127-88-3	Phenol-d5 (S)	142.0	
4165-60-0	Nitrobenzene-d5 (S)	142.9	
321-60-8	2-Fluorobiphenyl (S)	136.6	

Pace Analytical Services, Inc.

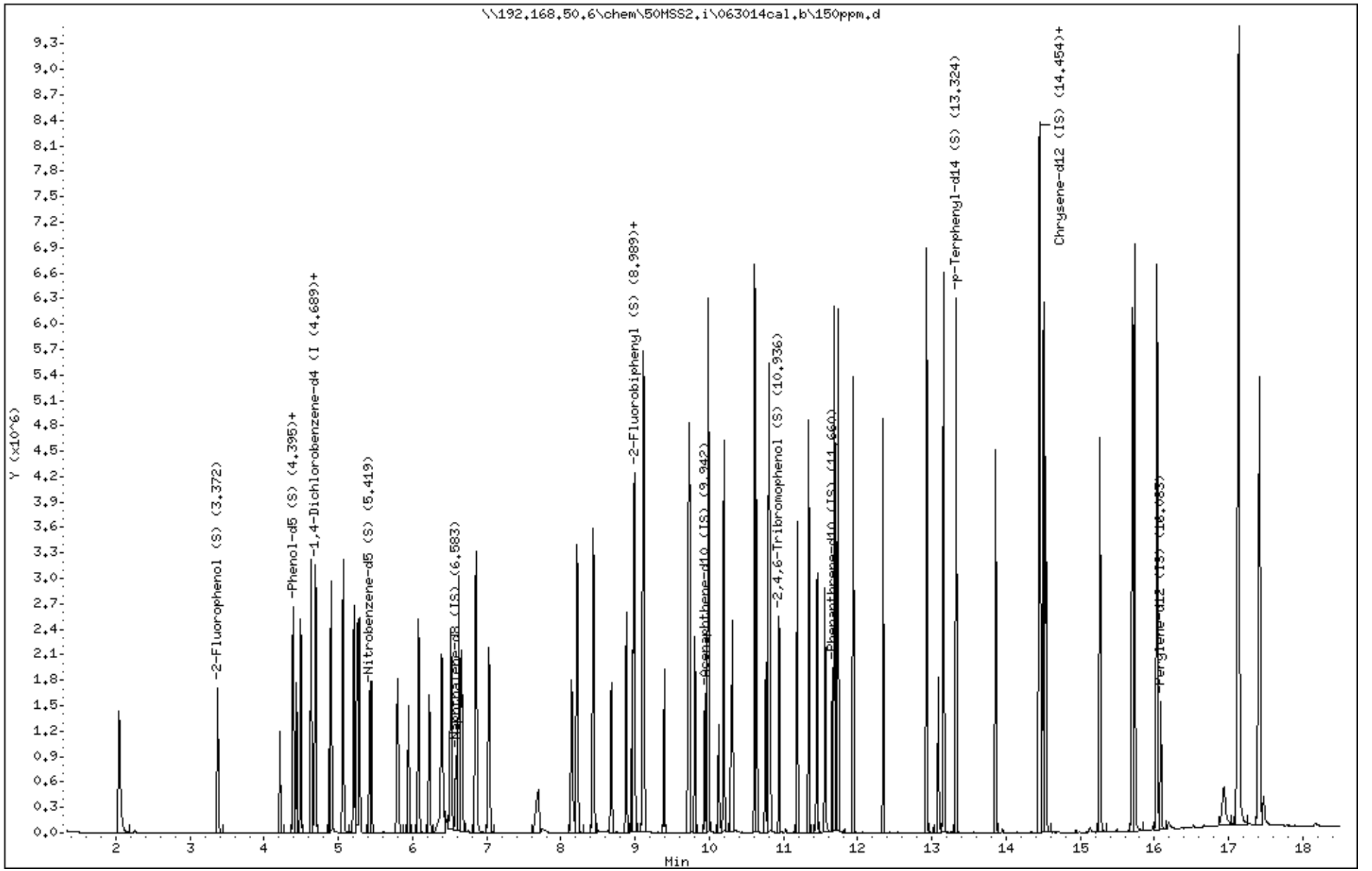
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL7,71677:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	157.6	
98904-43-9	p-Terphenyl-d14 (S)	137.4	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\150ppm.d
Date : 30-JUN-2014 15:27
Client ID:
Sample Info: CAL7,71677:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\175ppm.d
Lab Smp Id: CAL8,71678:1
Inj Date : 30-JUN-2014 15:49
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal8,71678:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 15:49 Cal File: 175ppm.d
Als bottle: 9 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.042	2.042	(0.437)	309296	175.000	169.8
	2 Pyridine	79	2.048	2.048	(0.438)	874480	175.000	173.7
$	3 2-Fluorophenol (S)	112	3.371	3.383	(0.722)	808314	175.000	172.0
	5 Benzaldehyde	77	4.213	4.213	(0.902)	289711	175.000	183.1
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	979732	175.000	168.8
	7 Phenol	94	4.401	4.407	(0.942)	1038310	175.000	165.0
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	760423	175.000	167.8
	9 2-Chlorophenol	128	4.495	4.495	(0.962)	969061	175.000	169.0
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	1066826	175.000	167.2
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.672	(1.000)	172512	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	1053163	175.000	165.8
	13 Benzyl Alcohol	108	4.889	4.883	(1.047)	598038	175.000	177.3
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	1012433	175.000	165.8
	15 2-Methylphenol	108	5.065	5.072	(1.084)	784987	175.000	165.4
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	813085	175.000	151.3
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	813085	175.000	151.3
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	813085	175.000	151.3
	20 3&4-Methylphenol	108	5.265	5.271	(1.127)	838654	175.000	165.1
	19 Acetophenone	105	5.207	5.207	(1.115)	1207914	175.000	169.6
	21 N-Nitroso-di-n-propylamine	70	5.254	5.248	(1.125)	537307	175.000	166.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	370686	175.000	167.7
$ 23	Nitrobenzene-d5 (S)	82	5.418	5.419	(0.823)	839262	175.000	172.7
24	Nitrobenzene	77	5.448	5.442	(0.828)	835270	175.000	168.6
25	Isophorone	82	5.801	5.795	(0.881)	1593768	175.000	168.3
26	2-Nitrophenol	139	5.948	5.948	(0.903)	576948	175.000	180.4
27	2,4-Dimethylphenol	122	6.077	6.083	(0.923)	835683	175.000	165.2
28	Benzoic Acid	122	6.430	6.389	(0.977)	371102	175.000	165.1
29	bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.945)	1004889	175.000	166.2
30	2,4-Dichlorophenol	162	6.395	6.401	(0.971)	890631	175.000	172.8
31	1,2,4-Trichlorobenzene	180	6.518	6.513	(0.990)	951561	175.000	168.8
* 32	Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	690867	40.0000	
33	Naphthalene	128	6.624	6.624	(1.006)	2852325	175.000	164.7
35	4-Chloroaniline	127	6.859	6.860	(1.042)	1122424	175.000	166.5
34	2,6-Dichlorophenol	162	6.854	6.860	(1.041)	847101	175.000	168.8
36	Hexachlorobutadiene	225	7.030	7.030	(1.068)	596453	175.000	173.7
37	Caprolactam	113	7.718	7.671	(1.172)	246349	175.000	170.0
38	4-Chloro-3-methylphenol	107	8.148	8.154	(1.238)	794471	175.000	173.1
39	2-Methylnaphthalene	142	8.218	8.218	(1.248)	1996079	175.000	165.1
41	1-Methylnaphthalene	142	8.436	8.436	(1.281)	1904210	175.000	163.1
43	Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	527491	175.000	185.4
44	2,4,6-Trichlorophenol	196	8.883	8.883	(0.893)	689723	175.000	174.9
45	2,4,5-Trichlorophenol	196	8.965	8.965	(0.902)	721473	175.000	176.9
$ 46	2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	2103896	175.000	163.0
48	Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	2263982	175.000	157.1
47	2-Chloronaphthalene	162	9.106	9.101	(0.916)	1719248	175.000	157.6
49	2-Nitroaniline	65	9.395	9.389	(0.945)	434173	175.000	175.7
50	Dimethylphthalate	163	9.718	9.712	(0.978)	2004414	175.000	158.0
51	Acenaphthylene	152	9.730	9.730	(0.979)	2944207	175.000	159.1
52	2,6-Dinitrotoluene	165	9.806	9.806	(0.986)	492965	175.000	180.9
54	3-Nitroaniline	138	9.995	9.989	(1.005)	490173	175.000	169.8
* 53	Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	401984	40.0000	
55	Acenaphthene	153	9.989	9.983	(1.005)	1775240	175.000	153.3
56	2,4-Dinitrophenol	184	10.130	10.130	(1.019)	337116	175.000	187.0
58	4-Nitrophenol	109	10.295	10.306	(1.035)	245593	175.000	184.2
57	Dibenzofuran	168	10.195	10.195	(1.025)	2610052	175.000	160.1
59	2,4-Dinitrotoluene	165	10.318	10.312	(1.038)	668467	175.000	177.4
60	Diethylphthalate	149	10.612	10.606	(1.067)	1833761	175.000	150.8
61	Fluorene	166	10.618	10.618	(1.068)	1944276	175.000	149.9
62	4-Chlorophenyl-phenylether	204	10.642	10.636	(1.070)	1074135	175.000	165.0
63	4-Nitroaniline	138	10.765	10.753	(1.083)	555768	175.000	178.1
64	4,6-Dinitro-2-methylphenol	198	10.800	10.795	(0.926)	426983	175.000	183.1
65	N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1444513	175.000	153.7
66	1,2-Diphenylhydrazine	77	10.824	10.818	(0.928)	1777335	175.000	155.0
$ 67	2,4,6-Tribromophenol (S)	330	10.942	10.942	(0.938)	505537	175.000	185.0
68	4-Bromophenyl-phenylether	248	11.189	11.189	(0.960)	770646	175.000	172.6
69	Hexachlorobenzene	284	11.342	11.342	(0.973)	926348	175.000	171.7
70	Atrazine	200	11.453	11.448	(0.982)	562983	175.000	169.6
71	Pentachlorophenol	266	11.559	11.559	(0.991)	512435	175.000	185.9
* 72	Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	759022	40.0000	
73	Phenanthrene	178	11.689	11.683	(1.003)	3097214	175.000	155.7
74	Anthracene	178	11.736	11.730	(1.007)	3131495	175.000	156.0
75	Carbazole	167	11.941	11.936	(1.024)	2928984	175.000	155.3
76	Di-n-butylphthalate	149	12.347	12.342	(1.059)	3327579	175.000	156.9
77	Fluoranthene	202	12.930	12.930	(1.109)	3552288	175.000	155.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.088	13.089	(1.123)	865386	175.000	181.3
	79 Pyrene	202	13.159	13.153	(1.129)	3653846	175.000	153.4
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2410441	175.000	160.5
	81 Butylbenzylphthalate	149	13.859	13.853	(0.958)	1590199	175.000	168.2
	82 Benzo(a)anthracene	228	14.453	14.447	(0.999)	3663330	175.000	159.1
	83 3,3'-Dichlorobenzidine	252	14.459	14.453	(0.999)	1157179	175.000	149.6
*	84 Chrysene-d12 (IS)	240	14.471	14.465	(1.000)	920798	40.0000	
	85 Chrysene	228	14.512	14.500	(1.003)	3519266	175.000	161.5
	86 bis(2-Ethylhexyl)phthalate	149	14.535	14.530	(1.004)	2274269	175.000	167.4
	87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	3847751	175.000	166.5
	88 Benzo(b)fluoranthene	252	15.712	15.700	(0.977)	4539904	175.000	173.8
	89 Benzo(k)fluoranthene	252	15.735	15.724	(0.978)	4074686	175.000	154.0
	90 Benzo(a)pyrene	252	16.041	16.030	(0.997)	3868900	175.000	166.7
*	91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	633567	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.135	17.124	(1.065)	5065435	175.000	167.5
	93 Dibenz(a,h)anthracene	278	17.147	17.130	(1.066)	3944876	175.000	163.0(H)
	94 Benzo(g,h,i)perylene	276	17.423	17.406	(1.083)	4420107	175.000	171.0

QC Flag Legend

H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 175ppm.d
Lab Smp Id: CAL8,71678:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	172512	-3.24
32 Naphthalene-d8 (I	703988	351994	1407976	690867	-1.86
53 Acenaphthene-d10	410279	205140	820558	401984	-2.02
72 Phenanthrene-d10	780300	390150	1560600	759022	-2.73
84 Chrysene-d12 (IS)	969467	484734	1938934	920798	-5.02
91 Perylene-d12 (IS)	663754	331877	1327508	633567	-4.55

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.47	0.04
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.09	0.04

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL8,71678:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	169.8	
110-86-1	Pyridine	173.7	
100-52-7	Benzaldehyde	183.1	
108-95-2	Phenol	165.0	
111-44-4	bis(2-Chloroethyl)ether	167.8	
95-57-8	2-Chlorophenol	169.0	
541-73-1	1,3-Dichlorobenzene	167.2	
106-46-7	1,4-Dichlorobenzene	165.8	
100-51-6	Benzyl Alcohol	177.3	
95-50-1	1,2-Dichlorobenzene	165.8	
95-48-7	2-Methylphenol	165.4	
108-60-1	bis(2chloro1methylethyl) eth	151.3	
108-60-1	2,2'-Oxybis(1-chloropropane)	151.3	
39638-32-9	bis(2-Chloroisopropyl)ether	151.3	
----------	3&4-Methylphenol	165.1	
98-86-2	Acetophenone	169.6	
621-64-7	N-Nitroso-di-n-propylamine	166.8	
67-72-1	Hexachloroethane	167.7	
98-95-3	Nitrobenzene	168.6	
78-59-1	Isophorone	168.3	
88-75-5	2-Nitrophenol	180.4	
105-67-9	2,4-Dimethylphenol	165.2	
65-85-0	Benzoic Acid	165.1	
111-91-1	bis(2-Chloroethoxy)methane	166.2	
120-83-2	2,4-Dichlorophenol	172.8	
120-82-1	1,2,4-Trichlorobenzene	168.8	
91-20-3	Naphthalene	164.7	
106-47-8	4-Chloroaniline	166.5	
87-65-0	2,6-Dichlorophenol	168.8	
87-68-3	Hexachlorobutadiene	173.7	
10-60-2	Caprolactam	170.0	
59-50-7	4-Chloro-3-methylphenol	173.1	
91-57-6	2-Methylnaphthalene	165.1	
90-12-0	1-Methylnaphthalene	163.1	
77-47-4	Hexachlorocyclopentadiene	185.4	
88-06-2	2,4,6-Trichlorophenol	174.9	
95-95-4	2,4,5-Trichlorophenol	176.9	
92-52-4	Biphenyl (Diphenyl)	157.1	
91-58-7	2-Chloronaphthalene	157.6	
88-74-4	2-Nitroaniline	175.7	
131-11-3	Dimethylphthalate	158.0	
208-96-8	Acenaphthylene	159.1	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL8,71678:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	180.9	
99-09-2	3-Nitroaniline	169.8	
83-32-9	Acenaphthene	153.3	
51-28-5	2,4-Dinitrophenol	187.0	
100-02-7	4-Nitrophenol	184.2	
132-64-9	Dibenzofuran	160.1	
121-14-2	2,4-Dinitrotoluene	177.4	
84-66-2	Diethylphthalate	150.8	
86-73-7	Fluorene	149.9	
7005-72-3	4-Chlorophenyl-phenylether	165.0	
100-01-6	4-Nitroaniline	178.1	
534-52-1	4,6-Dinitro-2-methylphenol	183.1	
86-30-6	N-Nitrosodiphenylamine	153.7	
122-66-7	1,2-Diphenylhydrazine	155.0	
101-55-3	4-Bromophenyl-phenylether	172.6	
118-74-1	Hexachlorobenzene	171.7	
1912-24-9	Atrazine	169.6	
87-86-5	Pentachlorophenol	185.9	
85-01-8	Phenanthrene	155.7	
120-12-7	Anthracene	156.0	
86-74-8...	Carbazole	155.3	
84-74-2	Di-n-butylphthalate	156.9	
206-44-0	Fluoranthene	155.4	
92-87-5	Benzidine	181.3	
129-00-0	Pyrene	153.4	
85-68-7	Butylbenzylphthalate	168.2	
56-55-3	Benzo(a)anthracene	159.1	
91-94-1	3,3'-Dichlorobenzidine	149.6	
218-01-9	Chrysene	161.5	
117-81-7	bis(2-Ethylhexyl)phthalate	167.4	
117-84-0	Di-n-octylphthalate	166.5	
205-99-2	Benzo(b)fluoranthene	173.8	
207-08-9	Benzo(k)fluoranthene	154.0	
50-32-8	Benzo(a)pyrene	166.7	
193-39-5	Indeno(1,2,3-cd)pyrene	167.5	
53-70-3	Dibenz(a,h)anthracene	163.0	
191-24-2	Benzo(g,h,i)perylene	171.0	
367-12-4	2-Fluorophenol (S)	172.0	
13127-88-3	Phenol-d5 (S)	168.8	
4165-60-0	Nitrobenzene-d5 (S)	172.7	
321-60-8	2-Fluorobiphenyl (S)	163.0	

Pace Analytical Services, Inc.

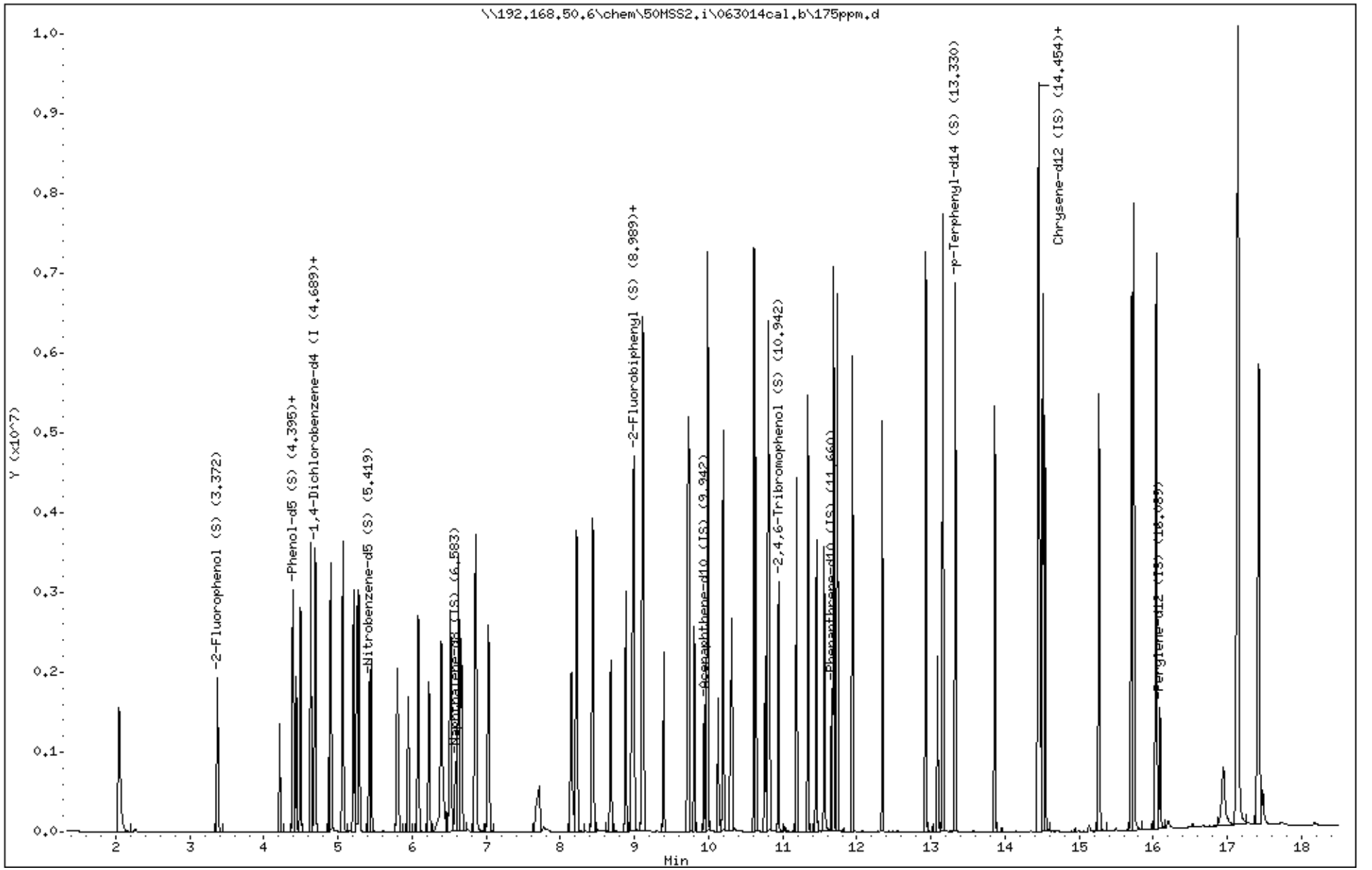
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL8,71678:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	185.0	
98904-43-9	p-Terphenyl-d14 (S)	160.5	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\175ppm.d
Date : 30-JUN-2014 15:49
Client ID:
Sample Info: CAL8,71678:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\063014cal.b\200ppm.d
Lab Smp Id: CAL9,71679:1
Inj Date : 30-JUN-2014 16:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : cal9,71679:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:12 Cal File: 200ppm.d
Als bottle: 10 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-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	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.042	2.042	(0.437)	327475	200.000	174.4
	2 Pyridine	79	2.048	2.048	(0.438)	935020	200.000	180.2
$	3 2-Fluorophenol (S)	112	3.372	3.383	(0.722)	861556	200.000	177.8
	5 Benzaldehyde	77	4.213	4.213	(0.902)	313939	200.000	193.9
$	6 Phenol-d5 (S)	99	4.383	4.389	(0.938)	1043755	200.000	174.4
	7 Phenol	94	4.401	4.407	(0.942)	1102609	200.000	170.0
	8 bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	809702	200.000	173.3
	9 2-Chlorophenol	128	4.495	4.495	(0.962)	1025692	200.000	173.4
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	1125417	200.000	171.1
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.672	(1.000)	177868	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	1127114	200.000	172.1
	13 Benzyl Alcohol	108	4.889	4.883	(1.047)	641058	200.000	184.3
	14 1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	1081186	200.000	171.7
	15 2-Methylphenol	108	5.066	5.072	(1.084)	833480	200.000	170.4
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	857481	200.000	154.7
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	857481	200.000	154.7
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	857481	200.000	154.7
	20 3&4-Methylphenol	108	5.266	5.271	(1.127)	893372	200.000	170.5
	19 Acetophenone	105	5.207	5.207	(1.115)	1294497	200.000	176.3
	21 N-Nitroso-di-n-propylamine	70	5.254	5.248	(1.125)	573821	200.000	172.8

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	22 Hexachloroethane	117	5.283	5.283	(1.131)	391493	200.000	171.8
$	23 Nitrobenzene-d5 (S)	82	5.419	5.419	(0.823)	899777	200.000	180.0
	24 Nitrobenzene	77	5.448	5.442	(0.828)	894324	200.000	175.5
	25 Isophorone	82	5.801	5.795	(0.881)	1711454	200.000	175.7
	26 2-Nitrophenol	139	5.948	5.948	(0.903)	620687	200.000	188.7
	27 2,4-Dimethylphenol	122	6.083	6.083	(0.924)	897764	200.000	172.6
	28 Benzoic Acid	122	6.436	6.389	(0.978)	584750	200.000	206.6
	29 bis(2-Chloroethoxy)methane	93	6.224	6.218	(0.946)	1069510	200.000	172.0
	30 2,4-Dichlorophenol	162	6.395	6.401	(0.971)	951737	200.000	179.5
	31 1,2,4-Trichlorobenzene	180	6.518	6.513	(0.990)	1012808	200.000	174.7
*	32 Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	710630	40.0000	
	33 Naphthalene	128	6.624	6.624	(1.006)	3028201	200.000	170.0
	35 4-Chloroaniline	127	6.860	6.860	(1.042)	1186807	200.000	171.2
	34 2,6-Dichlorophenol	162	6.854	6.860	(1.041)	898789	200.000	174.1
	36 Hexachlorobutadiene	225	7.030	7.030	(1.068)	639613	200.000	181.1
	37 Caprolactam	113	7.724	7.671	(1.173)	260900	200.000	175.0
	38 4-Chloro-3-methylphenol	107	8.148	8.154	(1.238)	841799	200.000	178.4
	39 2-Methylnaphthalene	142	8.224	8.218	(1.249)	2128389	200.000	171.1
	41 1-Methylnaphthalene	142	8.436	8.436	(1.281)	2024043	200.000	168.5
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	574233	200.000	196.6
	44 2,4,6-Trichlorophenol	196	8.883	8.883	(0.893)	740803	200.000	183.7
	45 2,4,5-Trichlorophenol	196	8.965	8.965	(0.902)	778717	200.000	186.8
$	46 2-Fluorobiphenyl (S)	172	8.989	8.983	(0.904)	2240576	200.000	169.8
	48 Biphenyl (Diphenyl)	154	9.118	9.112	(0.917)	2363412	200.000	160.5
	47 2-Chloronaphthalene	162	9.107	9.101	(0.916)	1808019	200.000	162.2
	49 2-Nitroaniline	65	9.395	9.389	(0.945)	467055	200.000	184.8
	50 Dimethylphthalate	163	9.718	9.712	(0.978)	2140861	200.000	165.1
	51 Acenaphthylene	152	9.730	9.730	(0.979)	3103305	200.000	164.0
	52 2,6-Dinitrotoluene	165	9.812	9.806	(0.987)	529843	200.000	190.2
	54 3-Nitroaniline	138	9.995	9.989	(1.005)	524280	200.000	177.7
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	410962	40.0000	
	55 Acenaphthene	153	9.989	9.983	(1.005)	1896244	200.000	160.2
	56 2,4-Dinitrophenol	184	10.130	10.130	(1.019)	354790	200.000	192.3
	58 4-Nitrophenol	109	10.295	10.306	(1.035)	265290	200.000	194.7
	57 Dibenzofuran	168	10.195	10.195	(1.025)	2778518	200.000	166.7
	59 2,4-Dinitrotoluene	165	10.318	10.312	(1.038)	715747	200.000	185.8
	60 Diethylphthalate	149	10.612	10.606	(1.067)	1936601	200.000	155.7
	61 Fluorene	166	10.624	10.618	(1.069)	2027076	200.000	152.9
	62 4-Chlorophenyl-phenylether	204	10.642	10.636	(1.070)	1132298	200.000	170.2
	63 4-Nitroaniline	138	10.765	10.753	(1.083)	592154	200.000	185.6
	64 4,6-Dinitro-2-methylphenol	198	10.801	10.795	(0.926)	452694	200.000	188.1
	65 N-Nitrosodiphenylamine	169	10.806	10.801	(0.927)	1515879	200.000	156.3
	66 1,2-Diphenylhydrazine	77	10.824	10.818	(0.928)	1852586	200.000	156.5
$	67 2,4,6-Tribromophenol (S)	330	10.942	10.942	(0.938)	540423	200.000	191.6
	68 4-Bromophenyl-phenylether	248	11.189	11.189	(0.960)	818221	200.000	177.6
	69 Hexachlorobenzene	284	11.342	11.342	(0.973)	982545	200.000	176.5
	70 Atrazine	200	11.453	11.448	(0.982)	599334	200.000	174.9
	71 Pentachlorophenol	266	11.559	11.559	(0.991)	551732	200.000	193.6
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	783512	40.0000	
	73 Phenanthrene	178	11.689	11.683	(1.003)	3243715	200.000	157.9
	74 Anthracene	178	11.736	11.730	(1.007)	3303370	200.000	159.4
	75 Carbazole	167	11.942	11.936	(1.024)	3113358	200.000	160.0
	76 Di-n-butylphthalate	149	12.347	12.342	(1.059)	3509066	200.000	160.2
	77 Fluoranthene	202	12.936	12.930	(1.109)	3752073	200.000	159.0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.094	13.089	(1.123)	935328	200.000	190.0
	79 Pyrene	202	13.165	13.153	(1.129)	3825000	200.000	155.5
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2534907	200.000	163.5
	81 Butylbenzylphthalate	149	13.865	13.853	(0.958)	1651133	200.000	166.5
	82 Benzo(a)anthracene	228	14.453	14.447	(0.998)	3834213	200.000	158.7
	83 3,3'-Dichlorobenzidine	252	14.459	14.453	(0.999)	1210259	200.000	149.1
*	84 Chrysene-d12 (IS)	240	14.477	14.465	(1.000)	966148	40.0000	
	85 Chrysene	228	14.512	14.500	(1.002)	3613269	200.000	158.0
	86 bis(2-Ethylhexyl)phthalate	149	14.536	14.530	(1.004)	2388089	200.000	167.6
	87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	4029713	200.000	166.0
	88 Benzo(b)fluoranthene	252	15.712	15.700	(0.977)	4511563	200.000	164.4
	89 Benzo(k)fluoranthene	252	15.741	15.724	(0.978)	4640761	200.000	166.9
	90 Benzo(a)pyrene	252	16.041	16.030	(0.997)	4107627	200.000	168.5
*	91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	665552	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.141	17.124	(1.065)	5333243	200.000	167.8
	93 Dibenz(a,h)anthracene	278	17.147	17.130	(1.066)	4127116	200.000	162.4(H)
	94 Benzo(g,h,i)perylene	276	17.429	17.406	(1.083)	4743050	200.000	174.7

QC Flag Legend

H - Operator selected an alternate compound hit.

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 200ppm.d
Lab Smp Id: CAL9,71679:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	177868	-0.24
32 Naphthalene-d8 (I	703988	351994	1407976	710630	0.94
53 Acenaphthene-d10	410279	205140	820558	410962	0.17
72 Phenanthrene-d10	780300	390150	1560600	783512	0.41
84 Chrysene-d12 (IS)	969467	484734	1938934	966148	-0.34
91 Perylene-d12 (IS)	663754	331877	1327508	665552	0.27

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.48	0.08
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.09	0.04

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL9,71679:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	174.4	
110-86-1	Pyridine	180.2	
100-52-7	Benzaldehyde	193.9	
108-95-2	Phenol	170.0	
111-44-4	bis(2-Chloroethyl)ether	173.3	
95-57-8	2-Chlorophenol	173.4	
541-73-1	1,3-Dichlorobenzene	171.1	
106-46-7	1,4-Dichlorobenzene	172.1	
100-51-6	Benzyl Alcohol	184.3	
95-50-1	1,2-Dichlorobenzene	171.7	
95-48-7	2-Methylphenol	170.4	
108-60-1	bis(2chloro1methylethyl) eth	154.7	
108-60-1	2,2'-Oxybis(1-chloropropane)	154.7	
39638-32-9	bis(2-Chloroisopropyl)ether	154.7	
----------	3&4-Methylphenol	170.5	
98-86-2	Acetophenone	176.3	
621-64-7	N-Nitroso-di-n-propylamine	172.8	
67-72-1	Hexachloroethane	171.8	
98-95-3	Nitrobenzene	175.5	
78-59-1	Isophorone	175.7	
88-75-5	2-Nitrophenol	188.7	
105-67-9	2,4-Dimethylphenol	172.6	
65-85-0	Benzoic Acid	206.6	
111-91-1	bis(2-Chloroethoxy)methane	172.0	
120-83-2	2,4-Dichlorophenol	179.5	
120-82-1	1,2,4-Trichlorobenzene	174.7	
91-20-3	Naphthalene	170.0	
106-47-8	4-Chloroaniline	171.2	
87-65-0	2,6-Dichlorophenol	174.1	
87-68-3	Hexachlorobutadiene	181.1	
10-60-2	Caprolactam	175.0	
59-50-7	4-Chloro-3-methylphenol	178.4	
91-57-6	2-Methylnaphthalene	171.1	
90-12-0	1-Methylnaphthalene	168.5	
77-47-4	Hexachlorocyclopentadiene	196.6	
88-06-2	2,4,6-Trichlorophenol	183.7	
95-95-4	2,4,5-Trichlorophenol	186.8	
92-52-4	Biphenyl (Diphenyl)	160.5	
91-58-7	2-Chloronaphthalene	162.2	
88-74-4	2-Nitroaniline	184.8	
131-11-3	Dimethylphthalate	165.1	
208-96-8	Acenaphthylene	164.0	

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL9,71679:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
606-20-2	2,6-Dinitrotoluene	190.2	
99-09-2	3-Nitroaniline	177.7	
83-32-9	Acenaphthene	160.2	
51-28-5	2,4-Dinitrophenol	192.3	
100-02-7	4-Nitrophenol	194.7	
132-64-9	Dibenzofuran	166.7	
121-14-2	2,4-Dinitrotoluene	185.8	
84-66-2	Diethylphthalate	155.7	
86-73-7	Fluorene	152.9	
7005-72-3	4-Chlorophenyl-phenylether	170.2	
100-01-6	4-Nitroaniline	185.6	
534-52-1	4,6-Dinitro-2-methylphenol	188.1	
86-30-6	N-Nitrosodiphenylamine	156.3	
122-66-7	1,2-Diphenylhydrazine	156.5	
101-55-3	4-Bromophenyl-phenylether	177.6	
118-74-1	Hexachlorobenzene	176.5	
1912-24-9	Atrazine	174.9	
87-86-5	Pentachlorophenol	193.6	
85-01-8	Phenanthrene	157.9	
120-12-7	Anthracene	159.4	
86-74-8...	Carbazole	160.0	
84-74-2	Di-n-butylphthalate	160.2	
206-44-0	Fluoranthene	159.0	
92-87-5	Benzidine	190.0	
129-00-0	Pyrene	155.5	
85-68-7	Butylbenzylphthalate	166.5	
56-55-3	Benzo(a)anthracene	158.7	
91-94-1	3,3'-Dichlorobenzidine	149.1	
218-01-9	Chrysene	158.0	
117-81-7	bis(2-Ethylhexyl)phthalate	167.6	
117-84-0	Di-n-octylphthalate	166.0	
205-99-2	Benzo(b)fluoranthene	164.4	
207-08-9	Benzo(k)fluoranthene	166.9	
50-32-8	Benzo(a)pyrene	168.5	
193-39-5	Indeno(1,2,3-cd)pyrene	167.8	
53-70-3	Dibenz(a,h)anthracene	162.4	
191-24-2	Benzo(g,h,i)perylene	174.7	
367-12-4	2-Fluorophenol (S)	177.8	
13127-88-3	Phenol-d5 (S)	174.4	
4165-60-0	Nitrobenzene-d5 (S)	180.0	
321-60-8	2-Fluorobiphenyl (S)	169.8	

Pace Analytical Services, Inc.

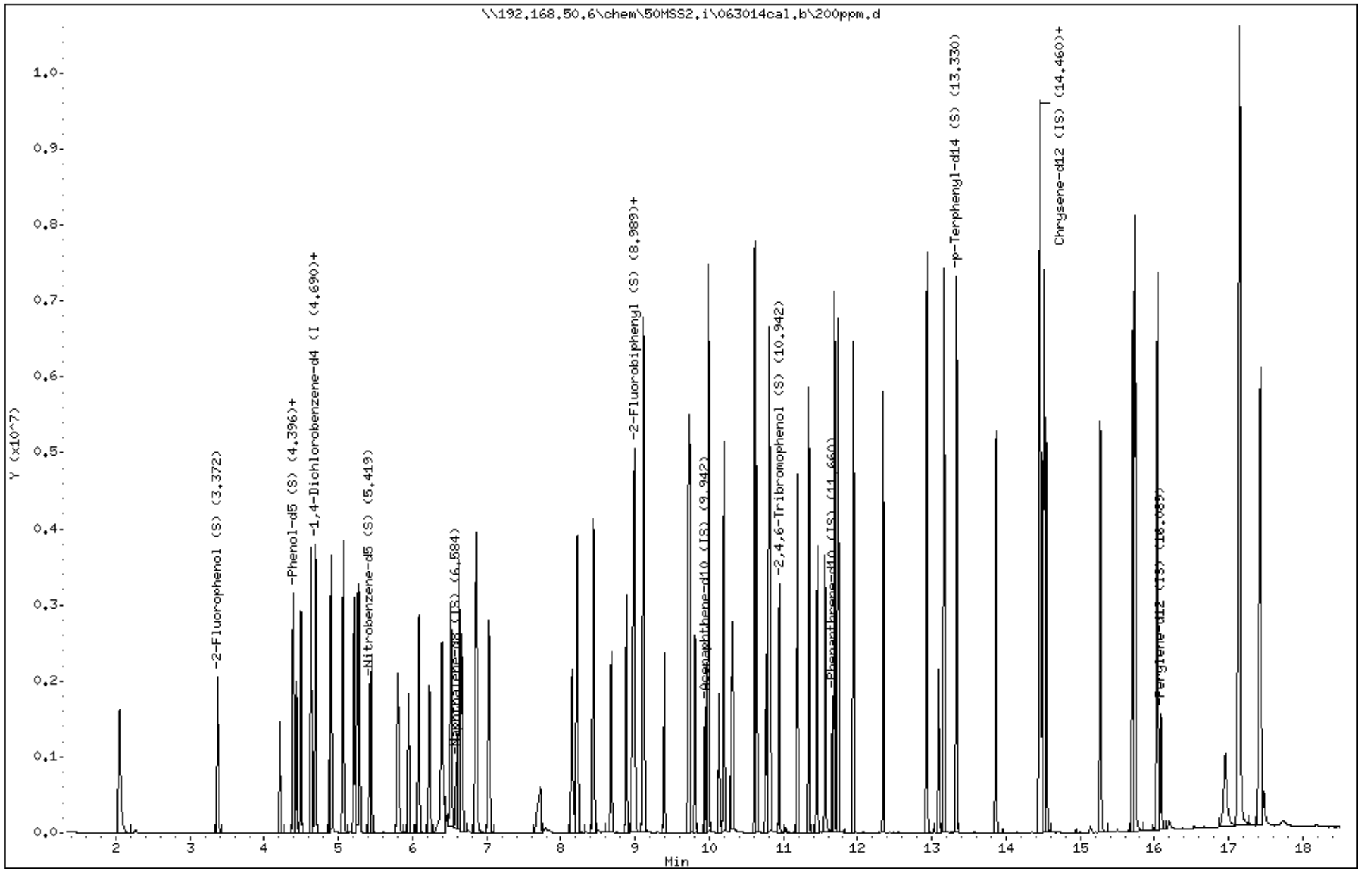
TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: CAL9,71679:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
----------	2,4,6-Tribromophenol (S)	191.6	
98904-43-9	p-Terphenyl-d14 (S)	163.5	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\200ppm.d
Date : 30-JUN-2014 16:12
Client ID:
Sample Info: CAL9,71679:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
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\062714cal.b\100ppm-icv.d
Lab Smp Id: ICV,71355:1
Inj Date : 27-JUN-2014 16:04
Operator : SN Inst ID: 50MSS2.i
Smp Info : icv,71355:1
Misc Info : 15613
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 13:27 Cal File: 10ppm.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	2.019	2.025	(0.432)	136540	103.463	103.5
	2 Pyridine	79	2.025	2.025	(0.433)	377185	107.958	108.0
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	387091	115.603	115.6(R)
$	6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	432652	101.592	101.6(R)
	7 Phenol	94	4.383	4.383	(0.938)	518849	113.287	113.3(QM)
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	345095	104.656	104.6
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	422511	101.977	102.0
	10 1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	464520	100.068	100.1
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	123254	40.0000	(Q)
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	472749	102.598	102.6
	13 Benzyl Alcohol	108	4.877	4.877	(1.044)	257379	110.314	110.3
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	456378	102.568	102.6
	15 2-Methylphenol	108	5.048	5.054	(1.081)	366412	104.643	104.6
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	441157	113.211	113.2
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	441157	113.211	113.2
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	441157	113.211	113.2
	20 3&4-Methylphenol	108	5.254	5.254	(1.125)	392383	104.821	104.8
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.122)	255534	106.041	106.0
	22 Hexachloroethane	117	5.283	5.283	(1.131)	167674	104.508	104.5
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	390973	111.656	111.6(R)

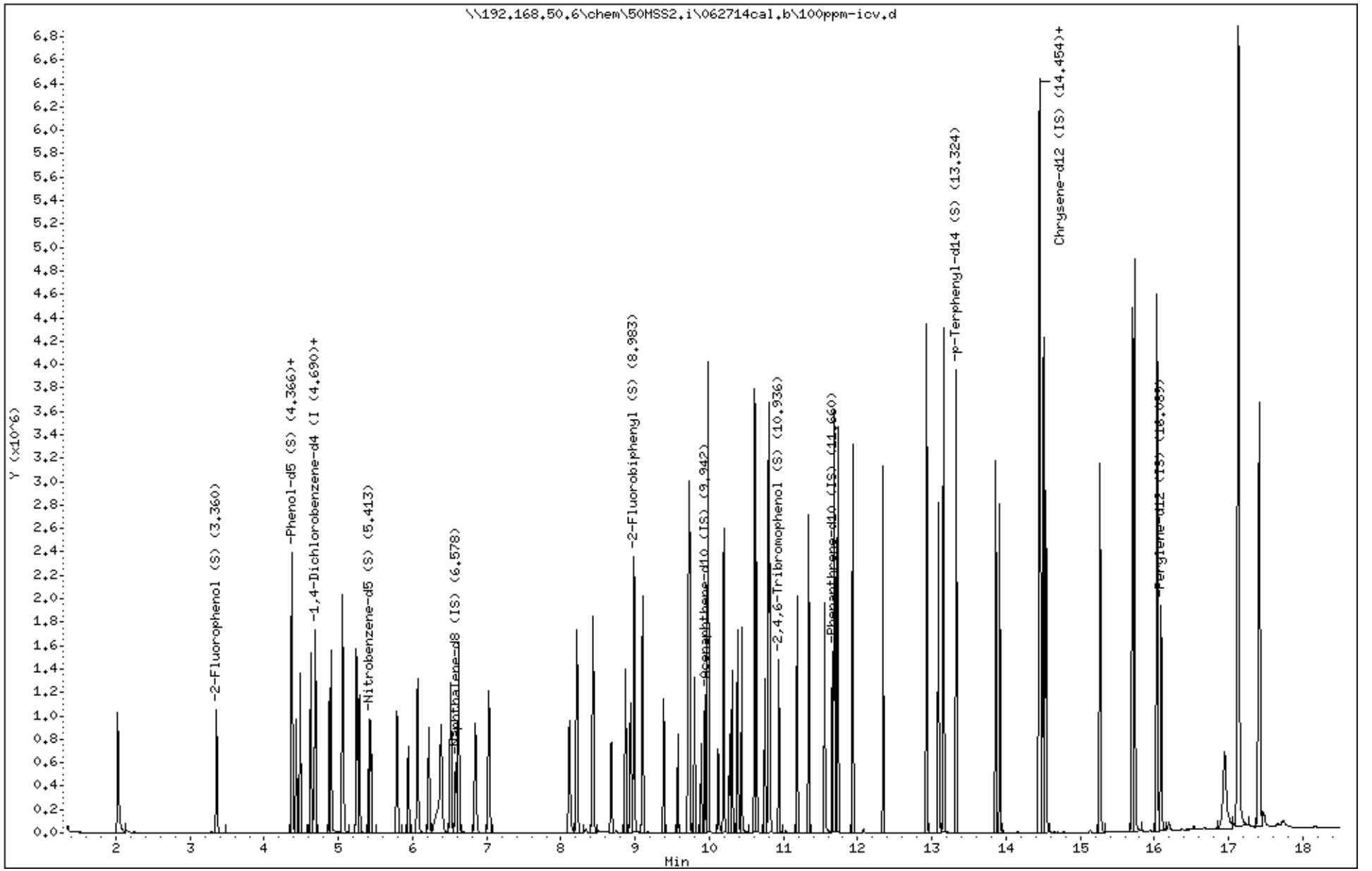
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	24 Nitrobenzene	77	5.436	5.436	(0.827)	382194	107.418	107.4
	25 Isophorone	82	5.789	5.789	(0.880)	711327	103.177	103.2
	26 2-Nitrophenol	139	5.942	5.942	(0.903)	241175	107.138	107.1
	27 2,4-Dimethylphenol	122	6.065	6.066	(0.922)	385637	106.471	106.5
	28 Benzoic Acid	122	6.365	6.354	(0.968)	237969	90.5845	90.58
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	468049	107.882	107.9
	30 2,4-Dichlorophenol	162	6.383	6.383	(0.970)	391455	104.956	105.0
	31 1,2,4-Trichlorobenzene	180	6.512	6.513	(0.990)	423671	105.272	105.3
*	32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	490254	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	1293822	103.266	103.3
	35 4-Chloroaniline	127	6.848	6.848	(1.041)	554132	108.043	108.0
	36 Hexachlorobutadiene	225	7.030	7.030	(1.069)	283259	113.989	114.0
	38 4-Chloro-3-methylphenol	107	8.112	8.118	(1.233)	359529	105.085	105.1
	39 2-Methylnaphthalene	142	8.218	8.218	(1.249)	885093	99.7356	99.74
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	841678	98.4378	98.44
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	192023	97.6699	97.67
	44 2,4,6-Trichlorophenol	196	8.865	8.871	(0.892)	304543	102.677	102.7
	45 2,4,5-Trichlorophenol	196	8.942	8.948	(0.899)	315819	102.031	102.0
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	1038345	107.375	107.4(R)
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	864946	105.275	105.3
	49 2-Nitroaniline	65	9.383	9.383	(0.944)	209058	110.328	110.3
	50 Dimethylphthalate	163	9.712	9.706	(0.977)	976274	99.0802	99.08
	51 Acenaphthylene	152	9.730	9.730	(0.979)	1382152	97.0465	97.05
	52 2,6-Dinitrotoluene	165	9.800	9.801	(0.986)	236902	115.396	115.4
	54 3-Nitroaniline	138	9.983	9.977	(1.004)	257544	110.496	110.5
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	299560	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	899422	101.488	101.5
	56 2,4-Dinitrophenol	184	10.124	10.118	(1.018)	151675	106.847	106.8
	58 4-Nitrophenol	109	10.277	10.277	(1.034)	121422	108.579	108.6
	57 Dibenzofuran	168	10.195	10.195	(1.025)	1279777	102.566	102.6
	59 2,4-Dinitrotoluene	165	10.312	10.306	(1.037)	335933	113.761	113.8
	60 Diethylphthalate	149	10.606	10.606	(1.067)	970440	101.764	101.8
	61 Fluorene	166	10.618	10.618	(1.068)	1040012	102.857	102.8
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	517161	103.625	103.6
	63 4-Nitroaniline	138	10.747	10.748	(1.081)	281755	112.179	112.2
	64 4,6-Dinitro-2-methylphenol	198	10.795	10.789	(0.926)	214352	109.568	109.6
	65 N-Nitrosodiphenylamine	169	10.800	10.801	(0.926)	880757	120.980	121.0
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	934536	105.435	105.4
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	238803	112.013	112.0
	68 4-Bromophenyl-phenylether	248	11.189	11.183	(0.960)	365090	105.229	105.2
	69 Hexachlorobenzene	284	11.342	11.342	(0.973)	438981	104.378	104.4
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	275796	121.513	121.5
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	588461	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	1606895	101.878	101.9
	74 Anthracene	178	11.736	11.730	(1.007)	1633106	102.950	103.0
	75 Carbazole	167	11.936	11.936	(1.024)	1570921	102.871	102.9
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	1681627	99.4879	99.49
	77 Fluoranthene	202	12.930	12.930	(1.109)	1917297	101.672	101.7
	78 Benzidine	184	13.089	13.083	(1.123)	1124505	230.531	230.5(R)
	79 Pyrene	202	13.159	13.153	(1.129)	1987963	100.893	100.9
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1434868	115.333	115.3
	81 Butylbenzylphthalate	149	13.859	13.853	(0.958)	871731	105.798	105.8
	82 Benzo(a)anthracene	228	14.447	14.447	(0.998)	2092137	100.985	101.0
	83 3,3'-Dichlorobenzidine	252	14.453	14.447	(0.999)	858380	130.835	130.8(R)

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 84 Chrysene-d12 (IS)	240	14.471	14.471	(1.000)	819720	40.0000	
85 Chrysene	228	14.506	14.500	(1.002)	2077152	104.965	105.0
86 bis(2-Ethylhexyl)phthalate	149	14.535	14.530	(1.004)	1249766	105.483	105.5
87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	2208647	105.760	105.8
88 Benzo(b)fluoranthene	252	15.706	15.700	(0.976)	2514824	101.852	101.8
89 Benzo(k)fluoranthene	252	15.730	15.724	(0.978)	2492908	100.181	100.2
90 Benzo(a)pyrene	252	16.035	16.030	(0.997)	2266751	103.107	103.1
* 91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	809046	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.129	17.124	(1.065)	2908775	99.2851	99.28
93 Dibenz(a,h)anthracene	278	17.135	17.130	(1.065)	2424945	103.704	103.7
94 Benzo(g,h,i)perylene	276	17.418	17.412	(1.083)	2547320	101.451	101.4

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d
Date : 27-JUN-2014 16:04
Client ID:
Instrument: 50MSS2.i
Sample Info: ICV,71355:1
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
Column diameter: 0.25



Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

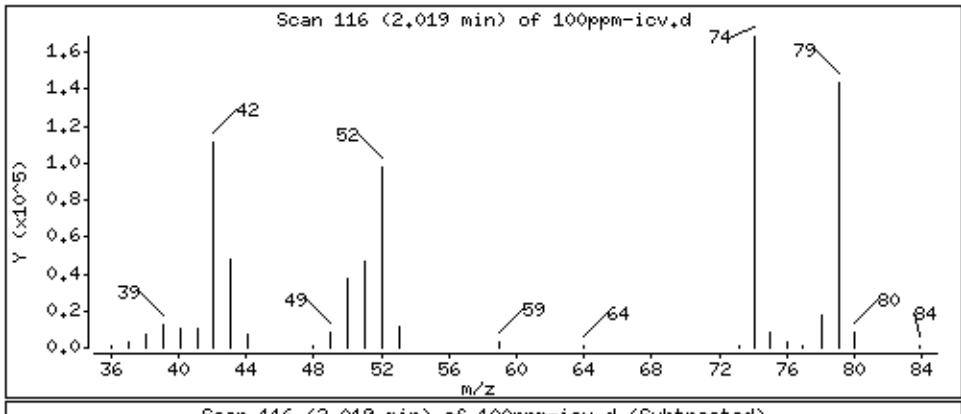
Operator: SN

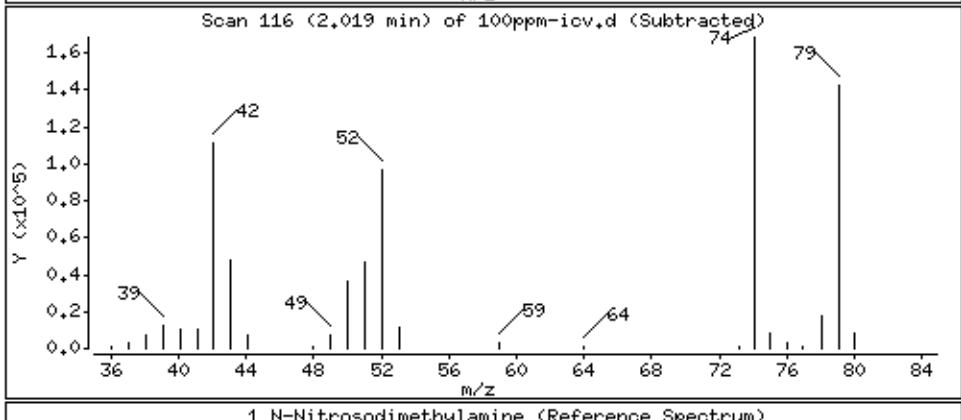
Column phase: .50um DB-5ms

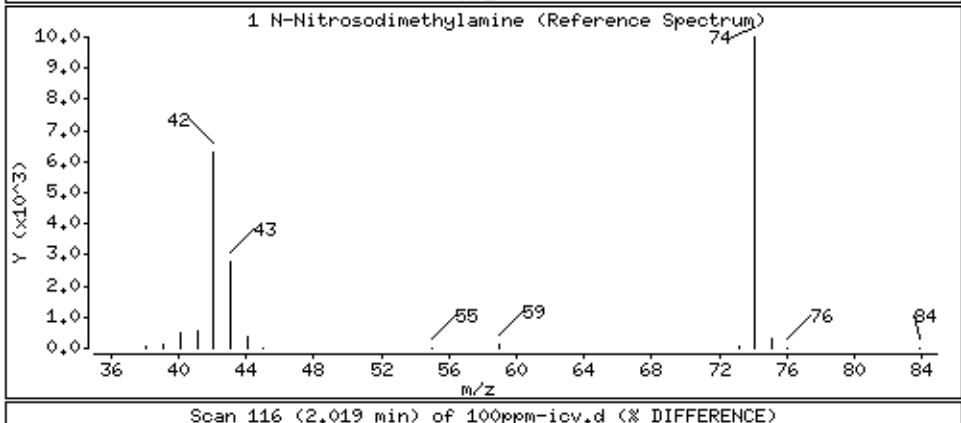
Column diameter: 0.25

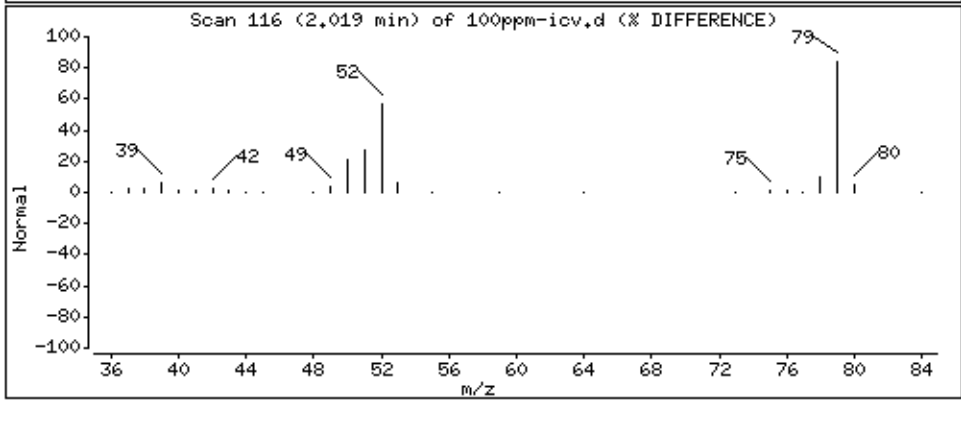
1 N-Nitrosodimethylamine

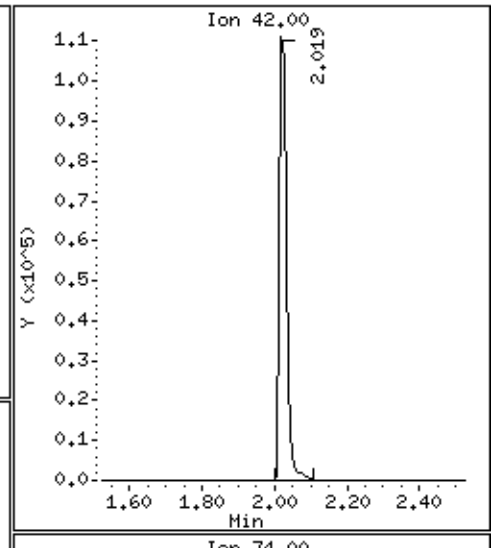
Concentration: 103.5 ug/L

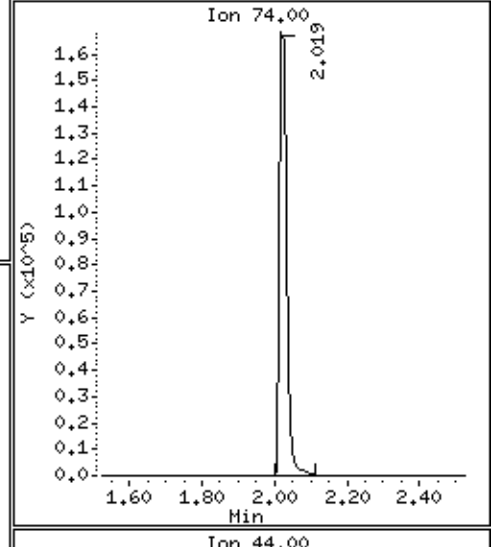


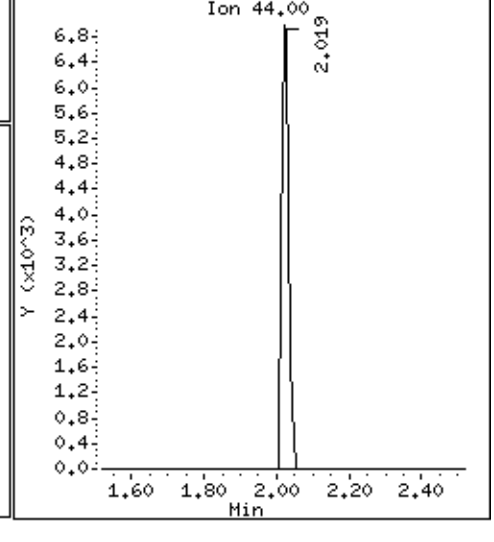












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

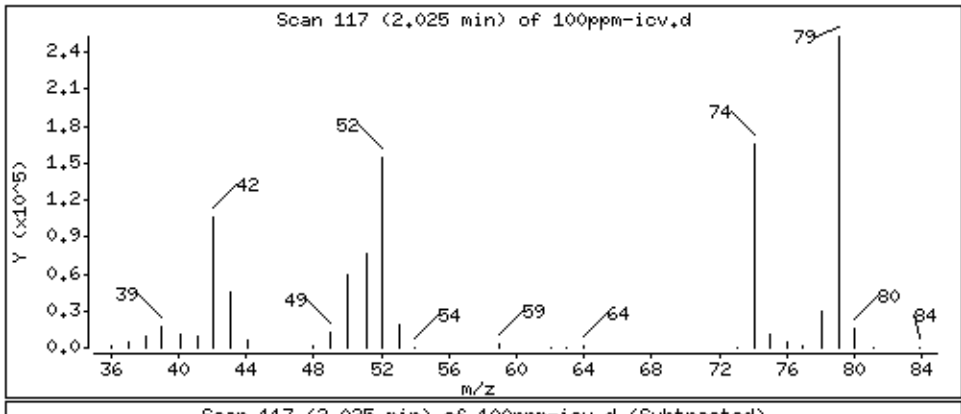
Operator: SN

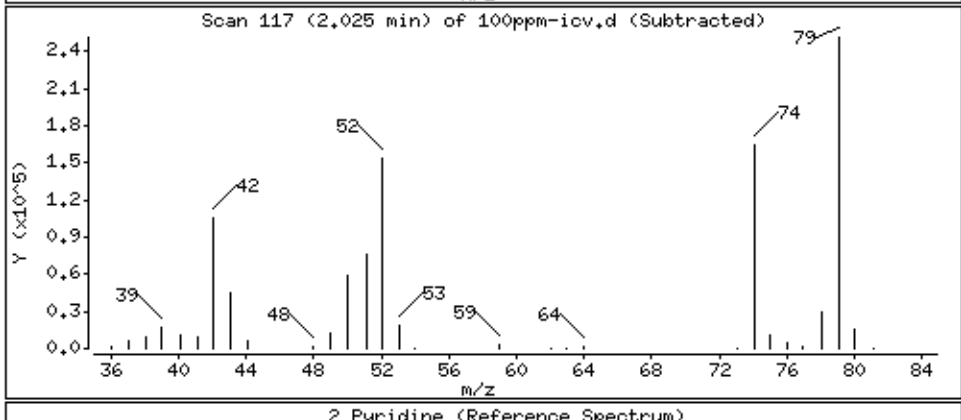
Column phase: .50um DB-5ms

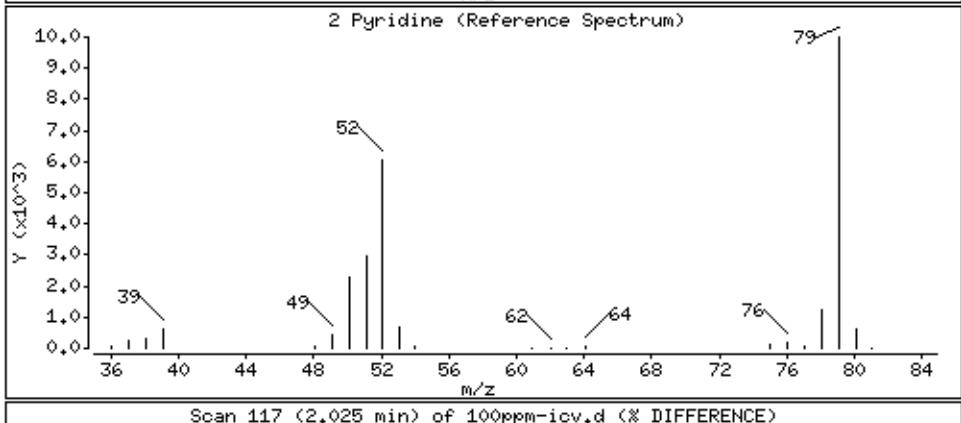
Column diameter: 0.25

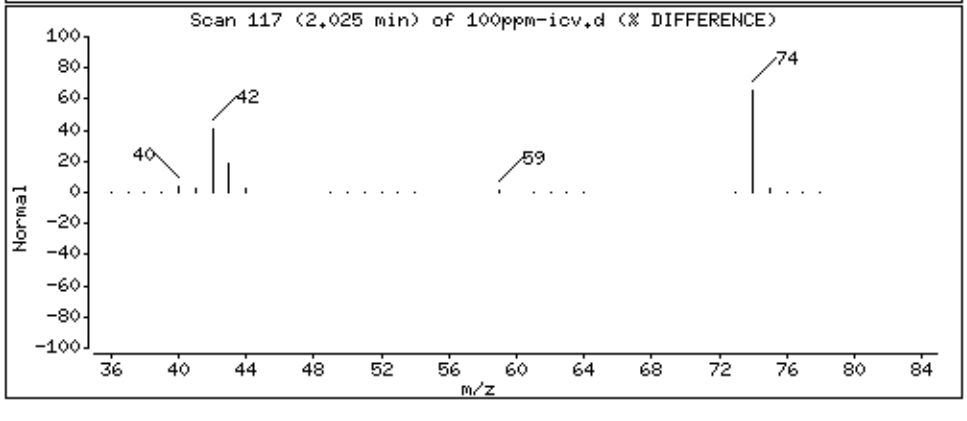
2 Pyridine

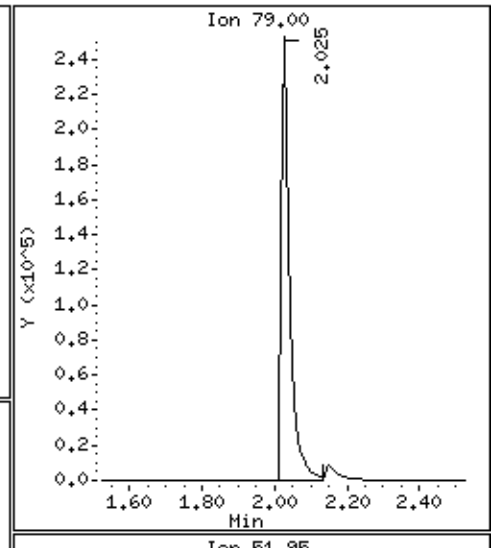
Concentration: 108.0 ug/L

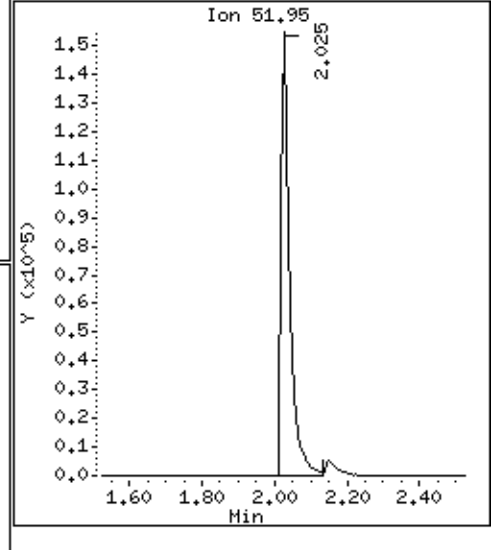












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

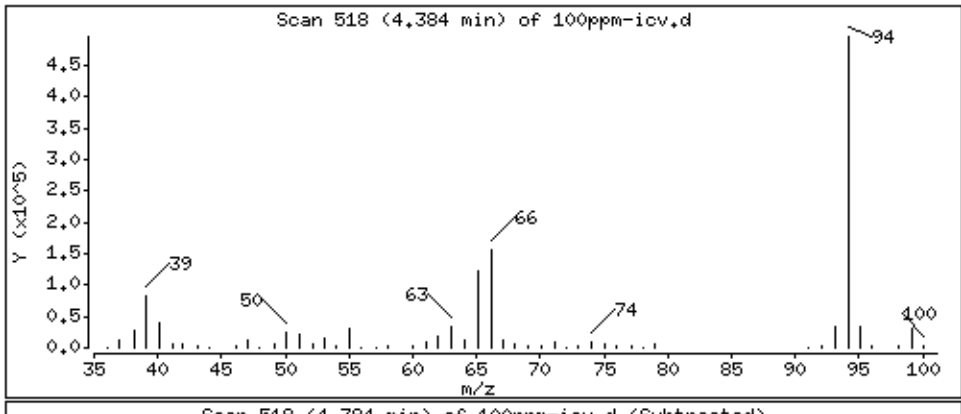
Operator: SN

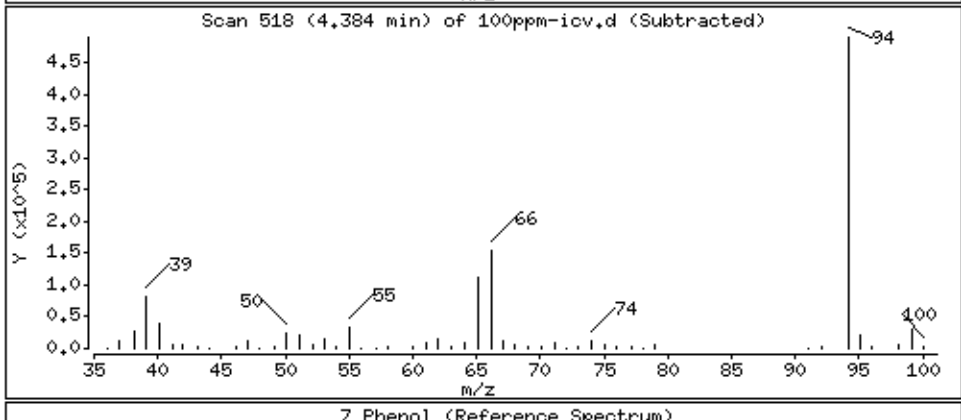
Column phase: .50um DB-5ms

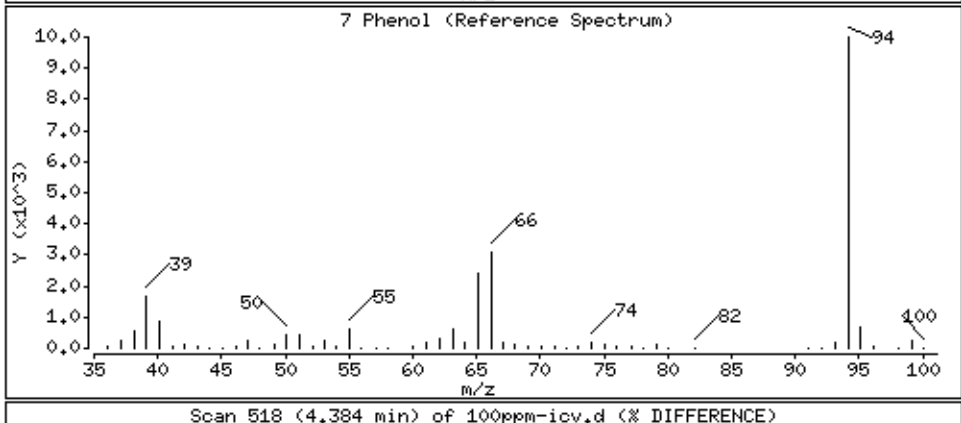
Column diameter: 0.25

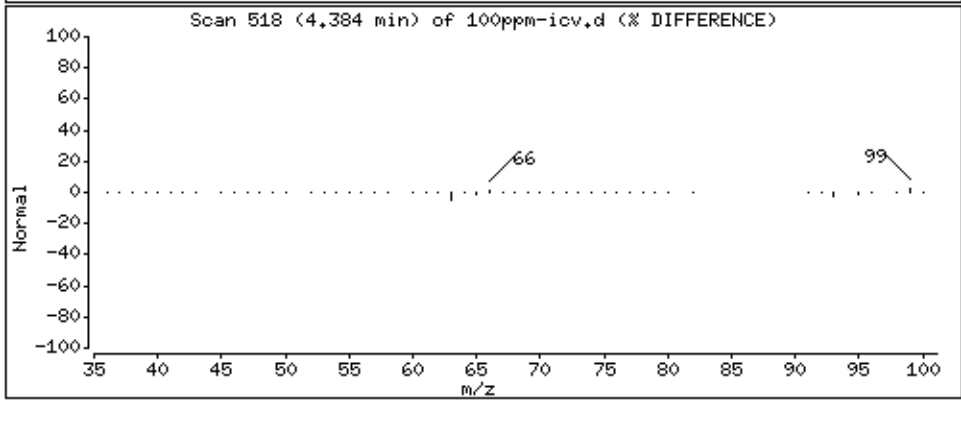
7 Phenol

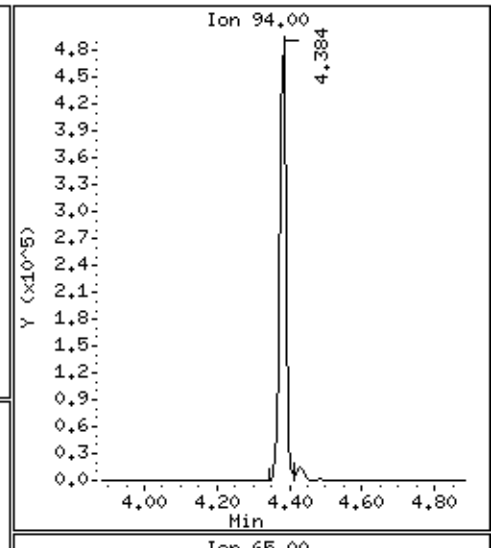
Concentration: 113.3 ug/L

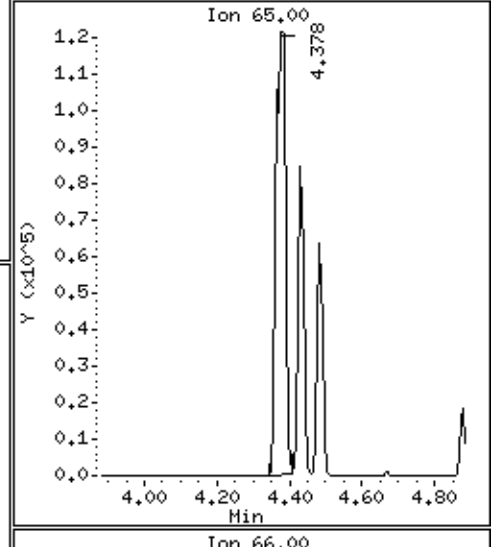


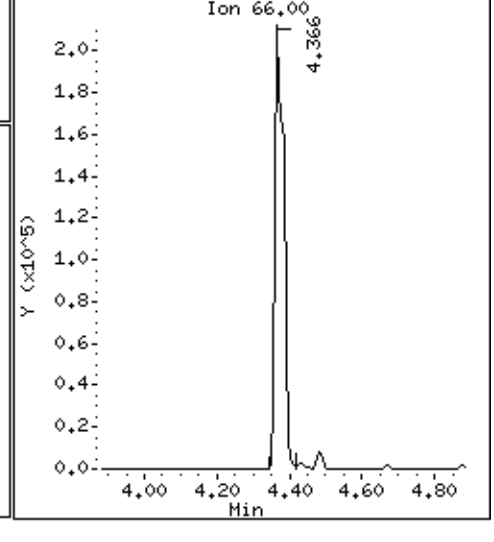












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

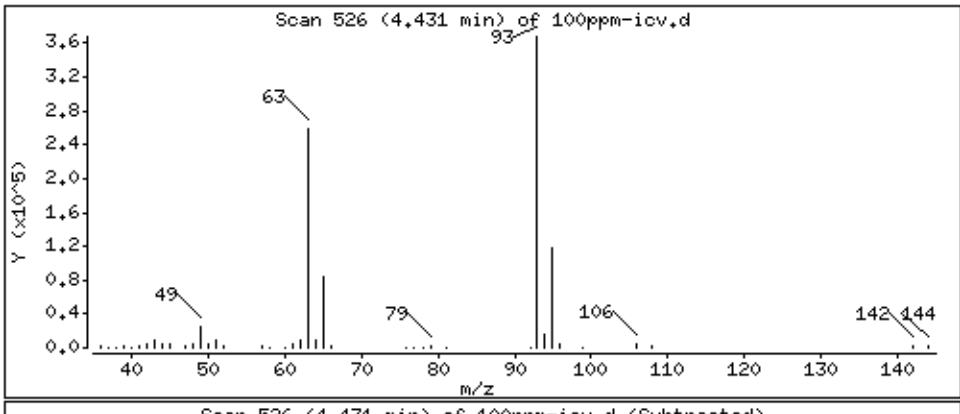
Operator: SN

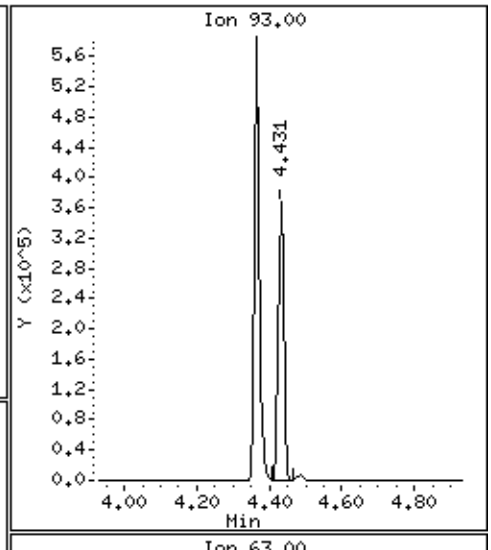
Column phase: .50um DB-5ms

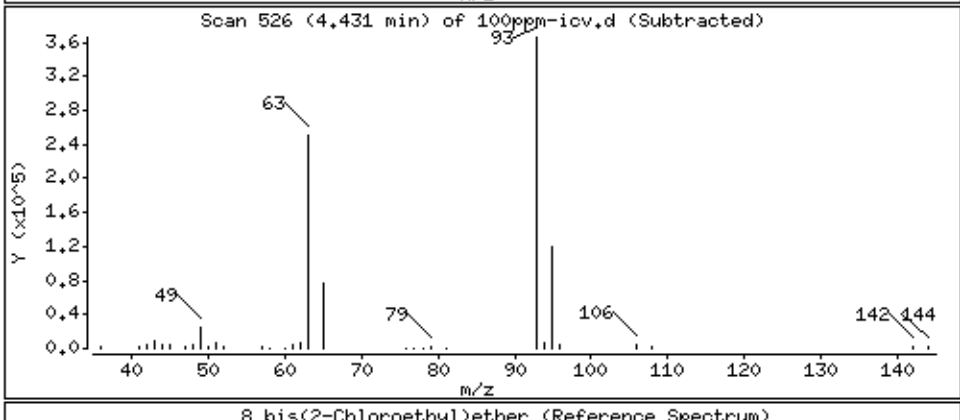
Column diameter: 0.25

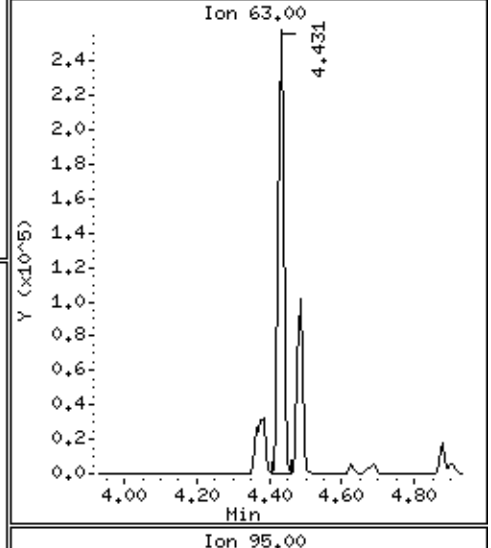
8 bis(2-Chloroethyl)ether

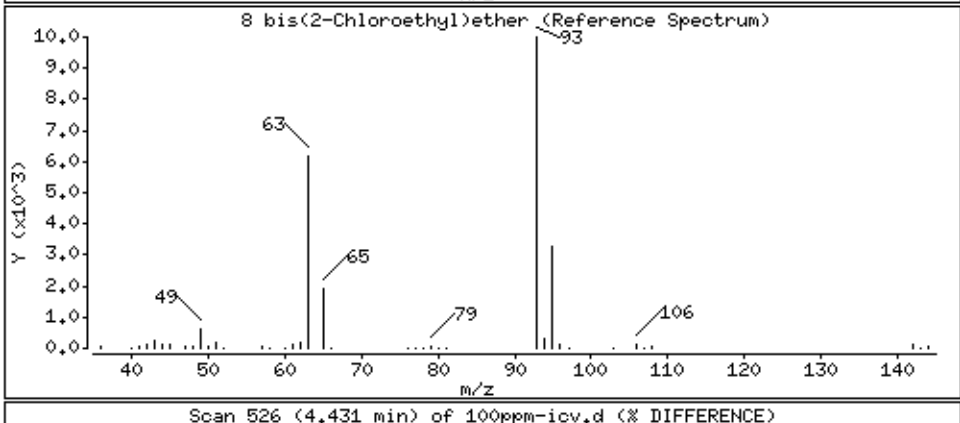
Concentration: 104.6 ug/L

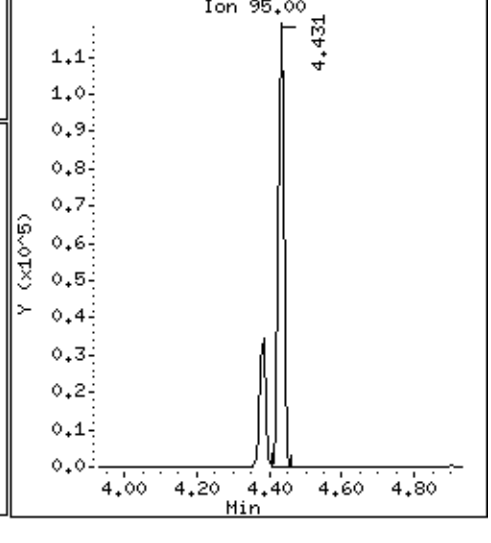


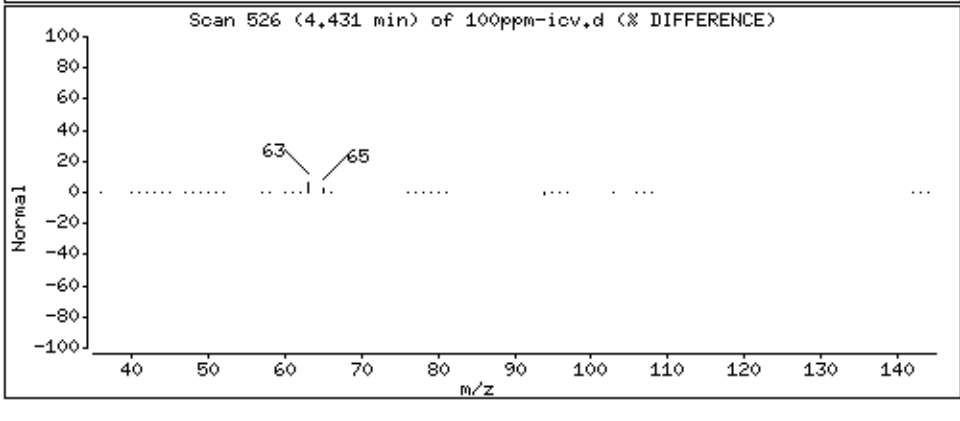












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

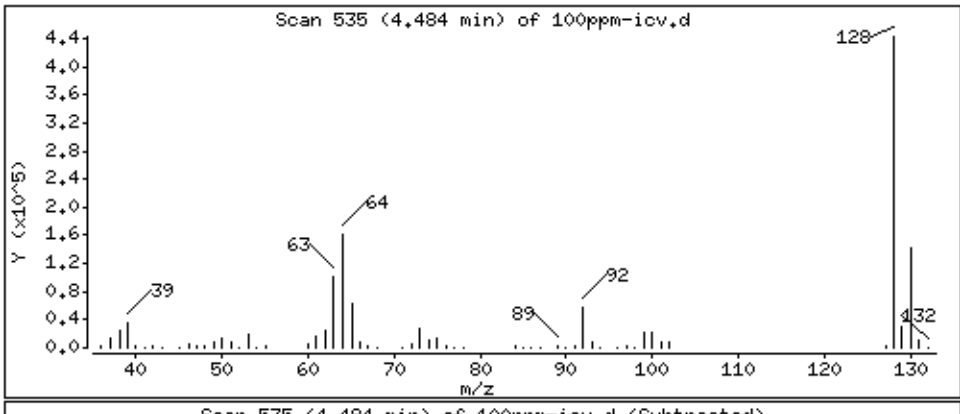
Operator: SN

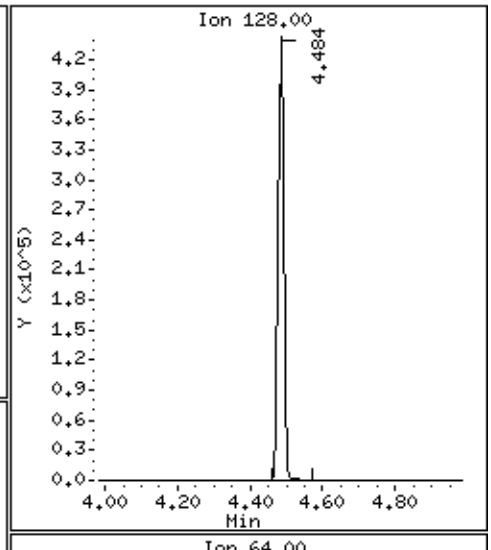
Column phase: .50um DB-5ms

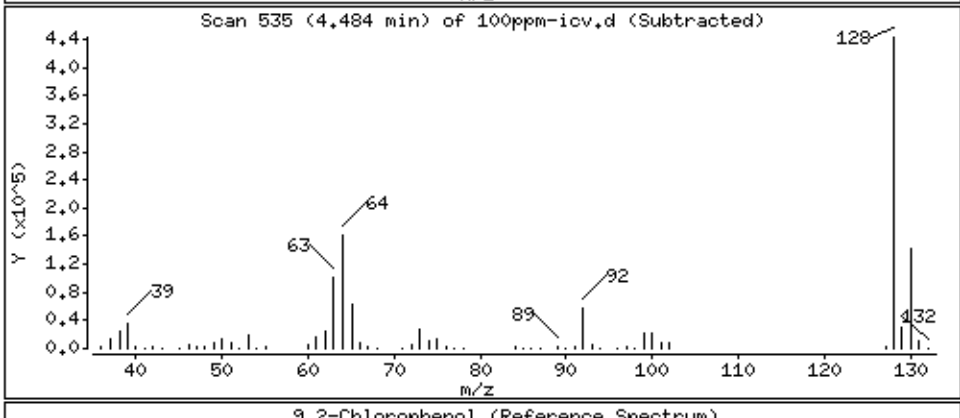
Column diameter: 0.25

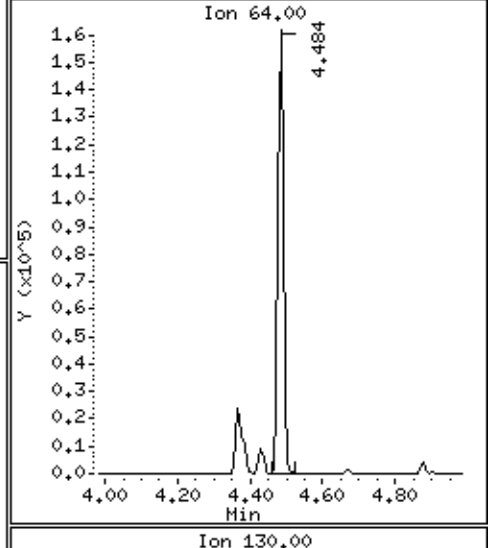
9 2-Chlorophenol

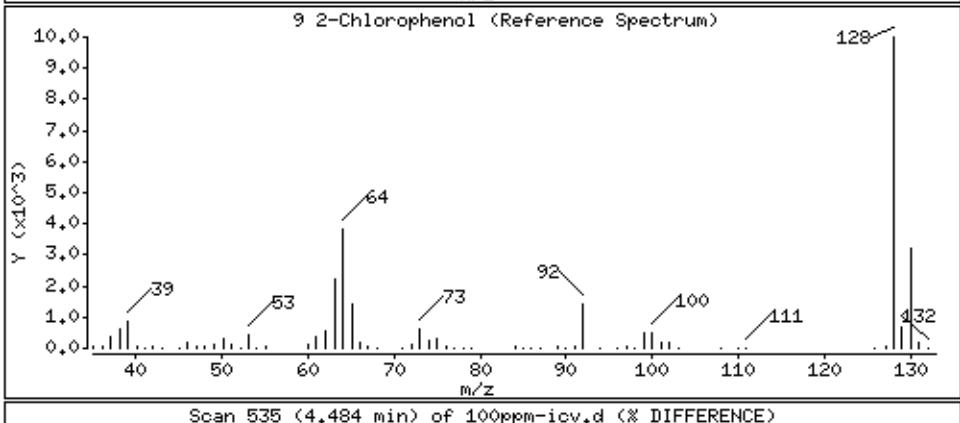
Concentration: 102.0 ug/L

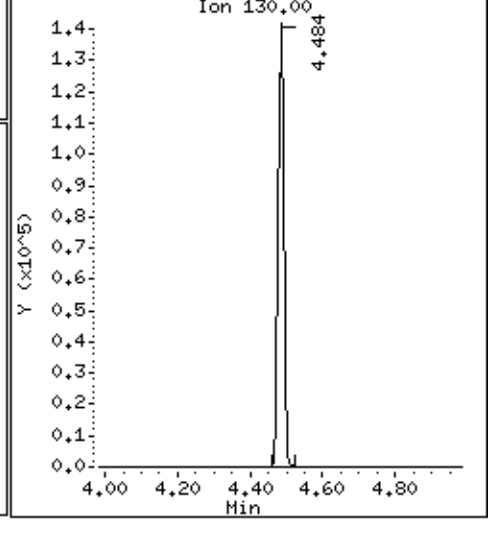


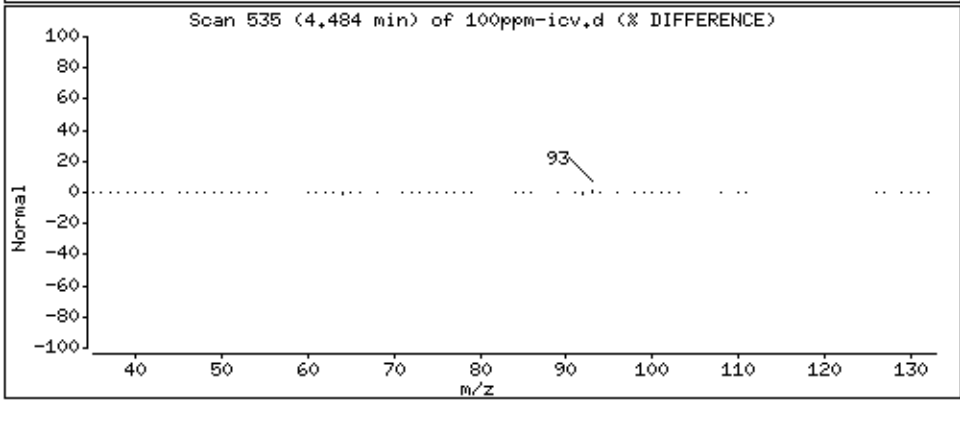












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

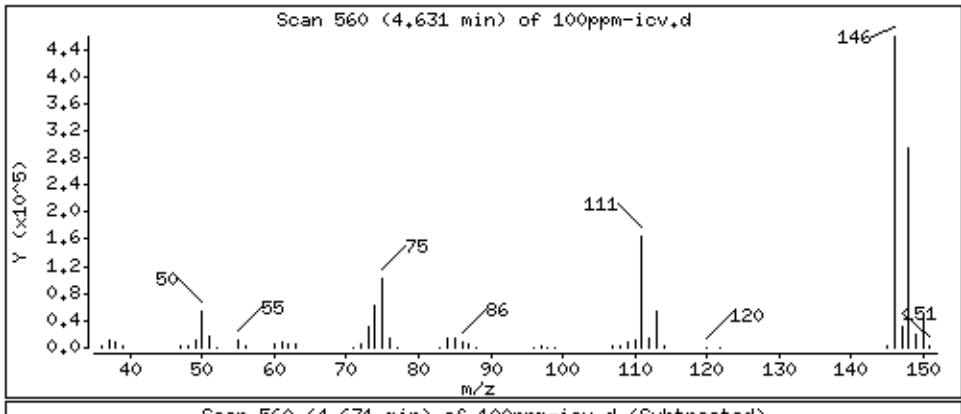
Operator: SN

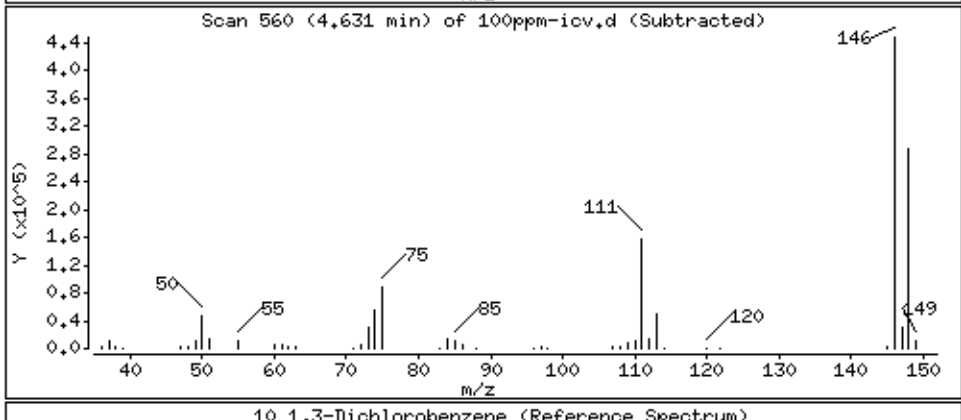
Column phase: .50um DB-5ms

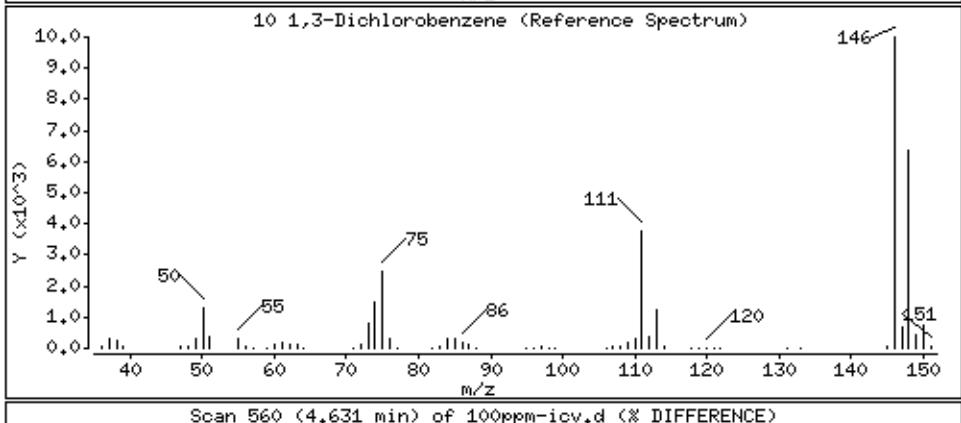
Column diameter: 0.25

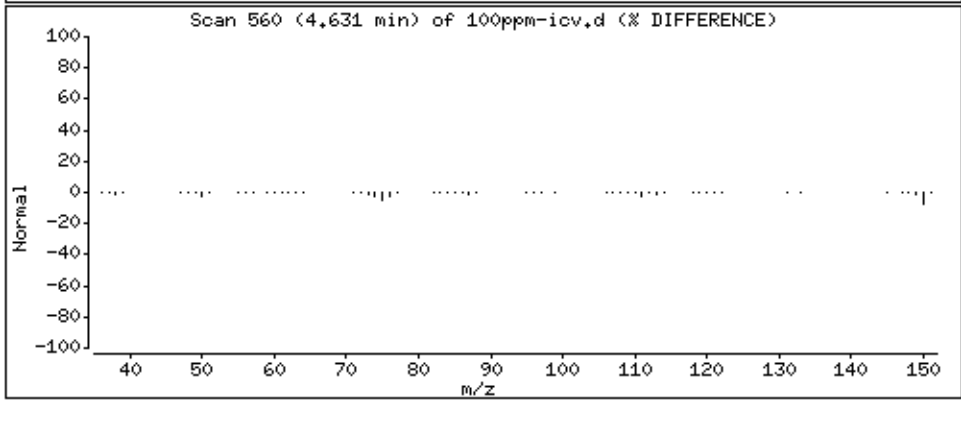
10 1,3-Dichlorobenzene

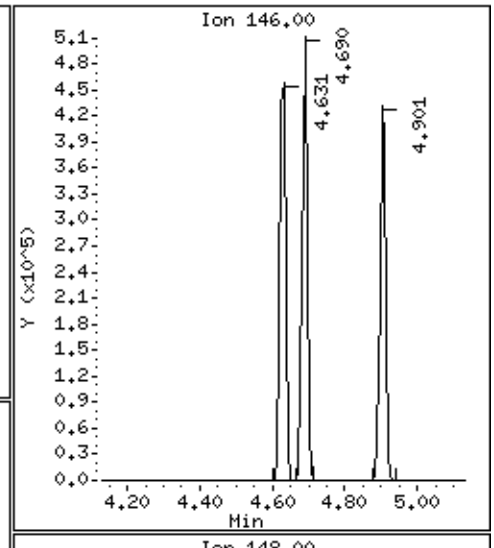
Concentration: 100.1 ug/L

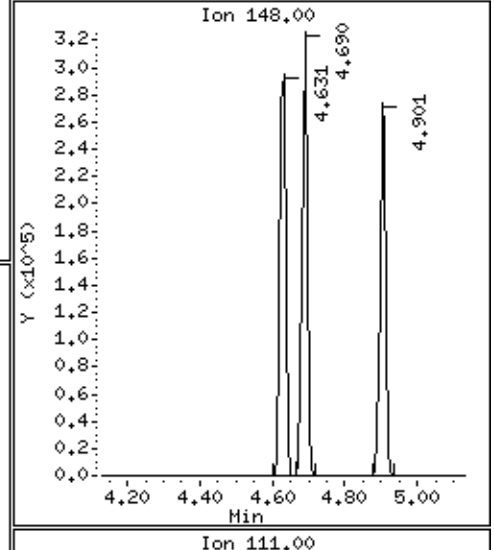


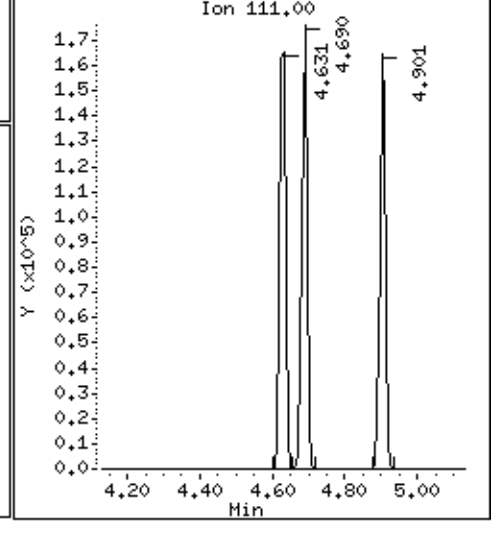












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

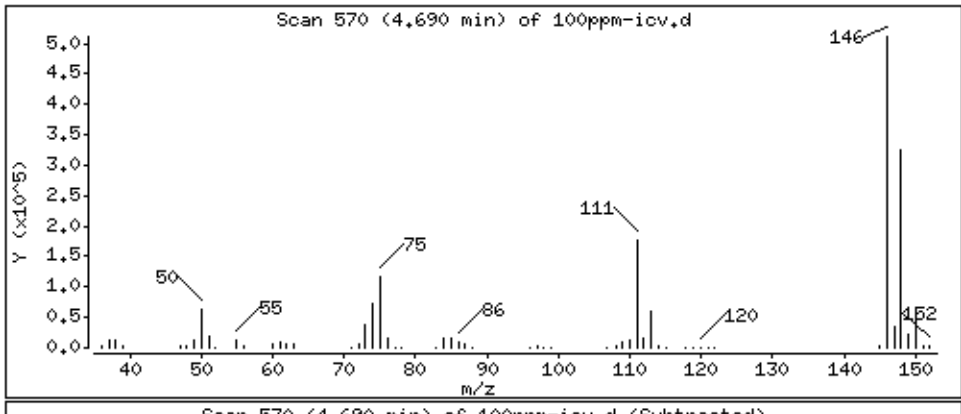
Operator: SN

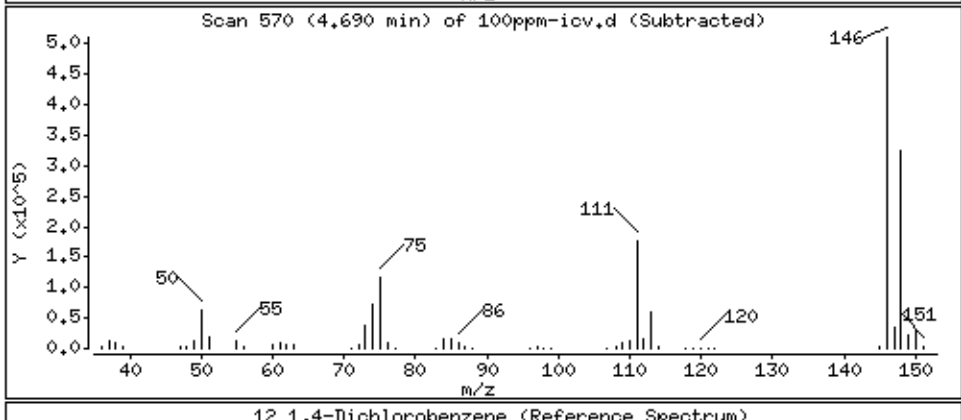
Column phase: .50um DB-5ms

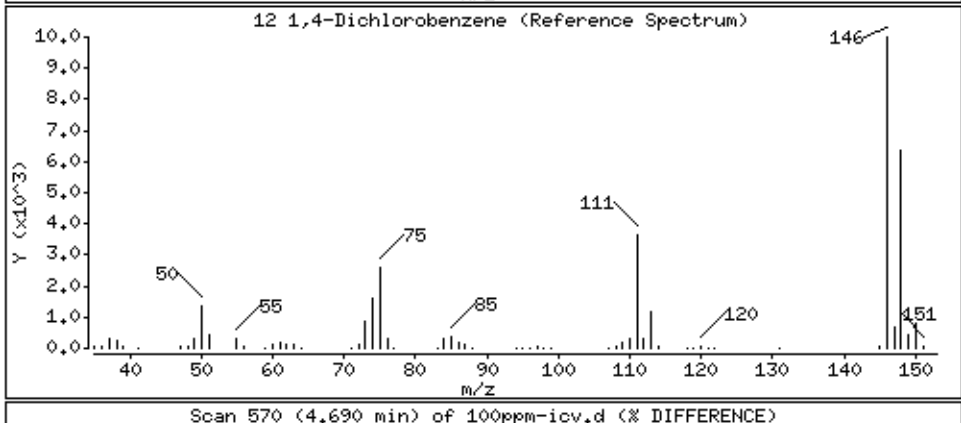
Column diameter: 0.25

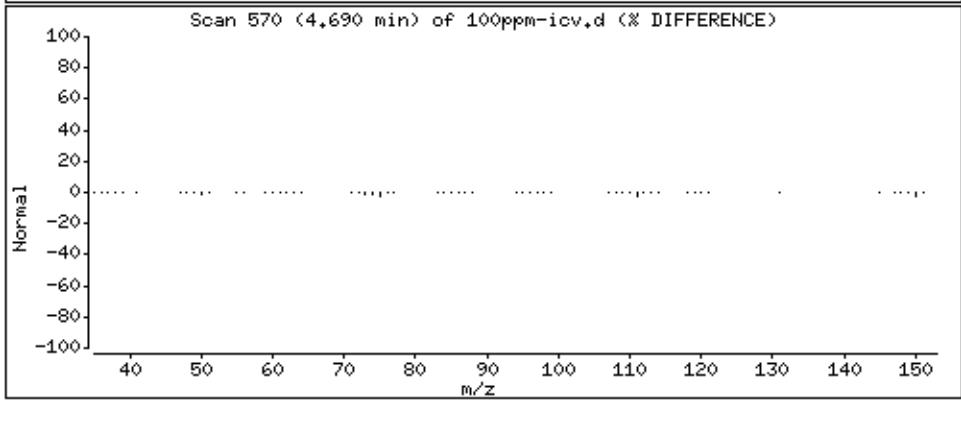
12 1,4-Dichlorobenzene

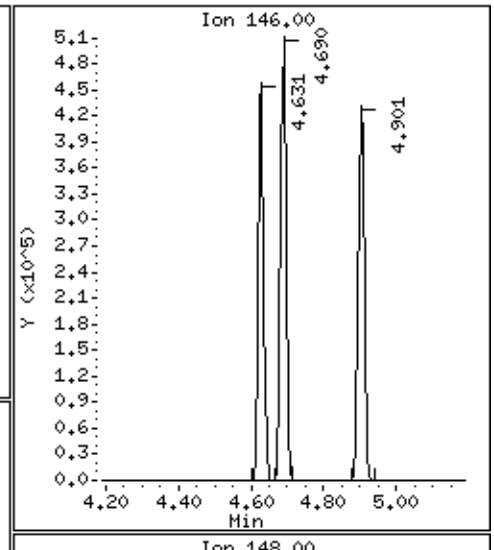
Concentration: 102.6 ug/L

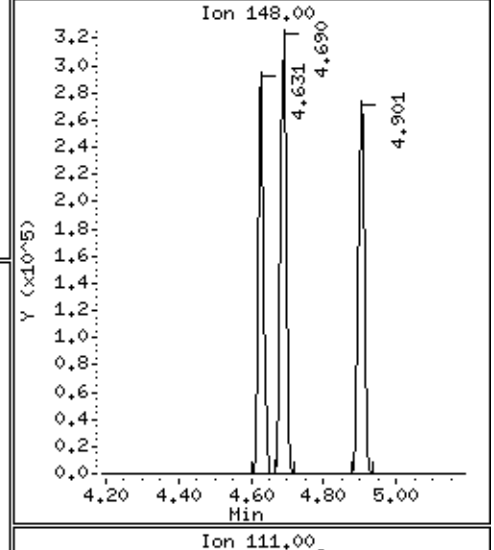


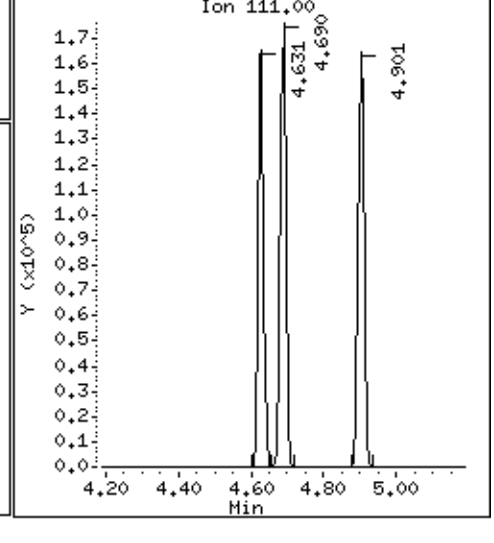












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

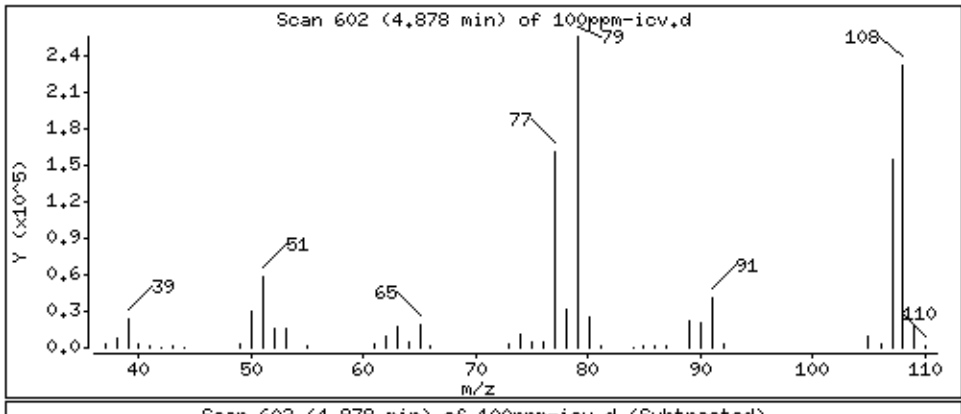
Operator: SN

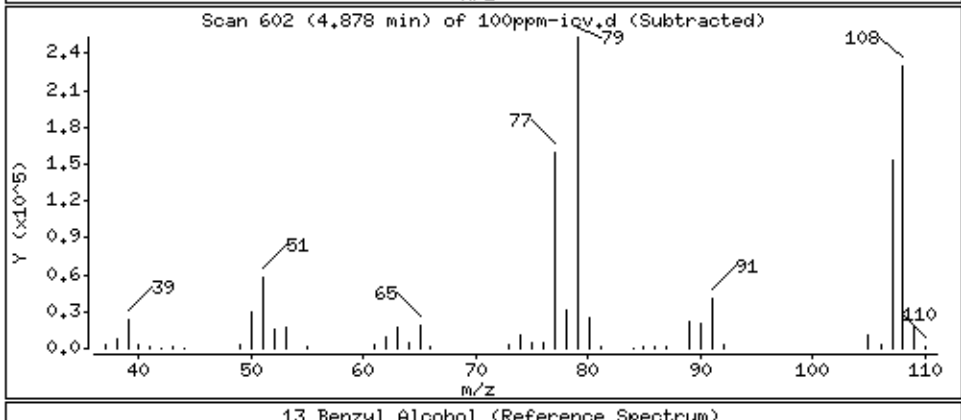
Column phase: .50um DB-5ms

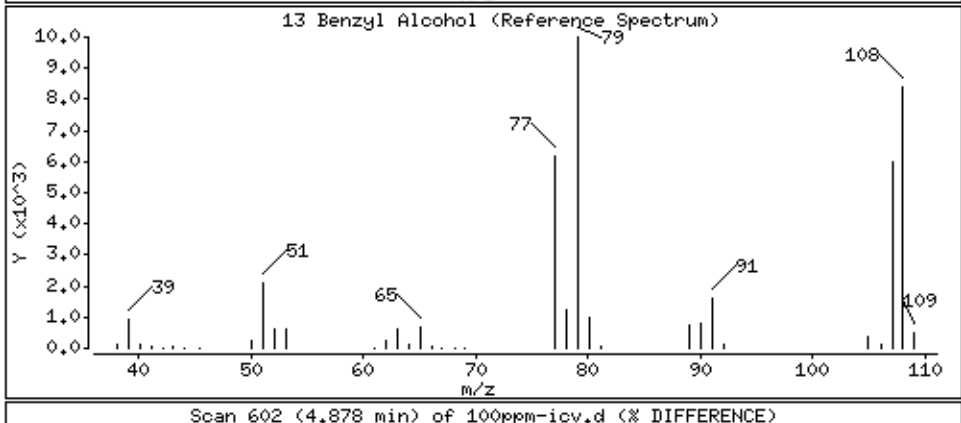
Column diameter: 0.25

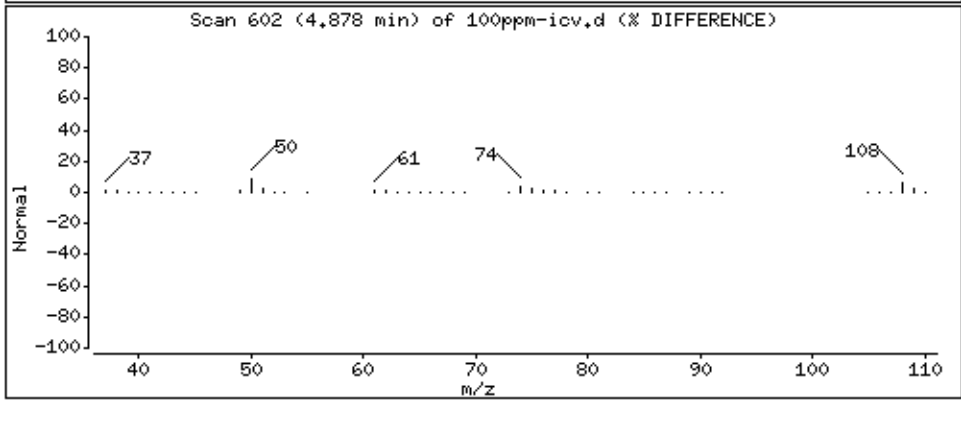
13 Benzyl Alcohol

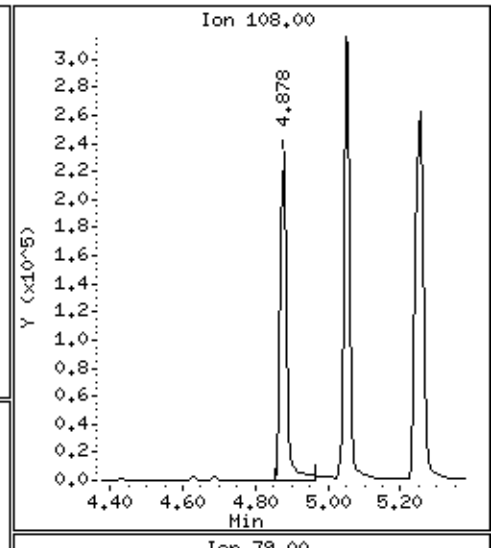
Concentration: 110.3 ug/L

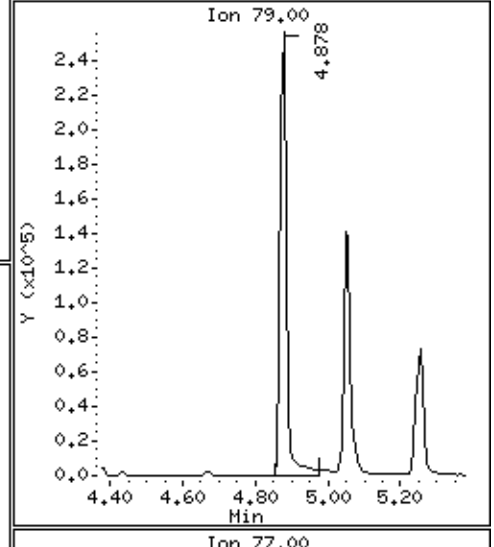


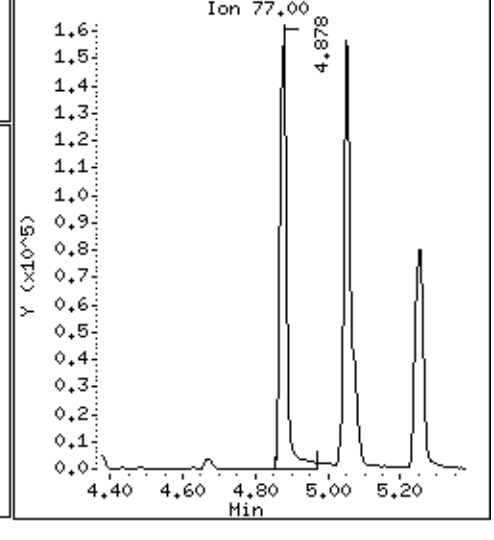












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

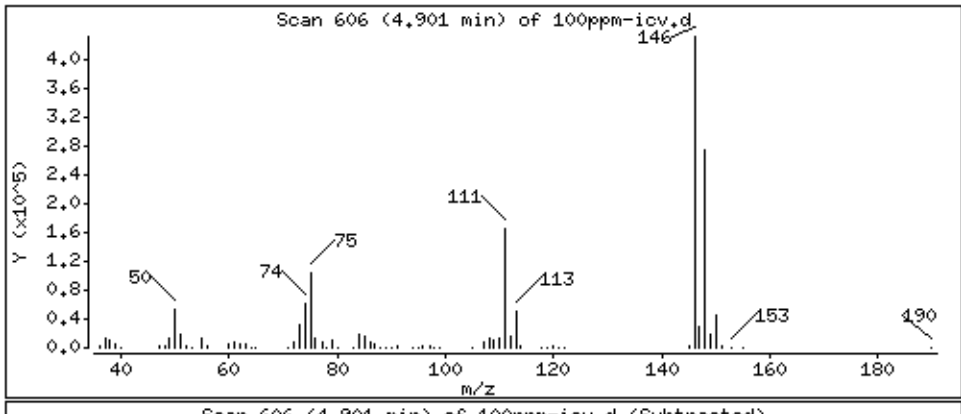
Operator: SN

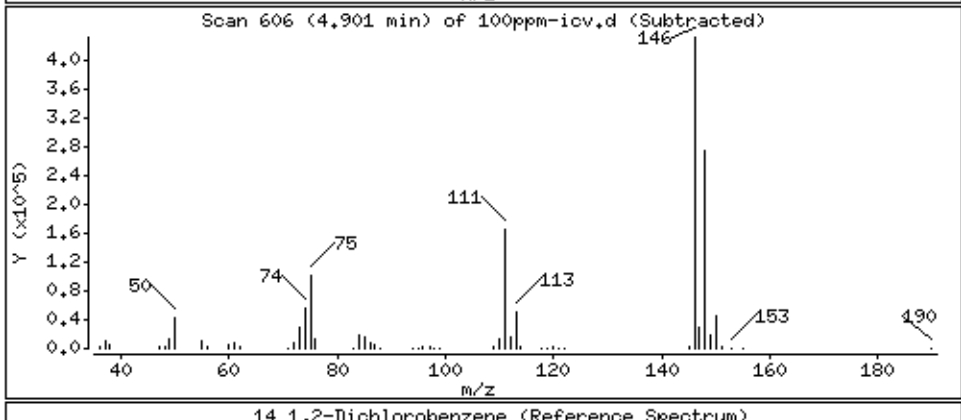
Column phase: .50um DB-5ms

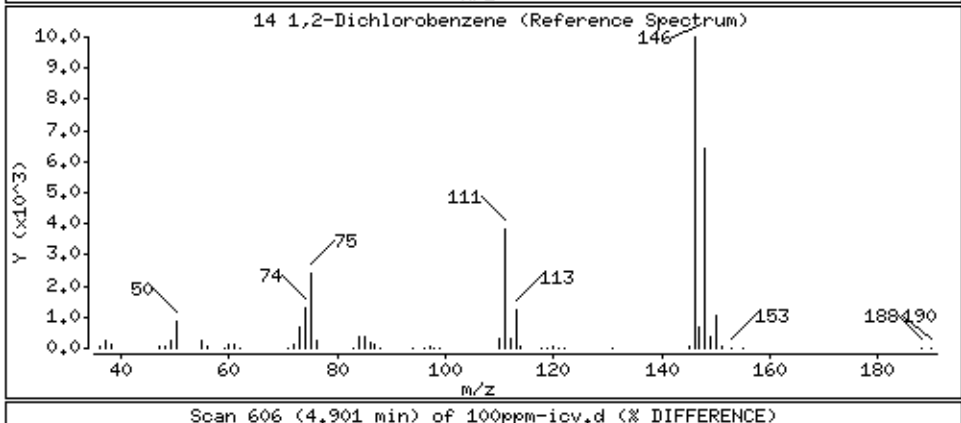
Column diameter: 0.25

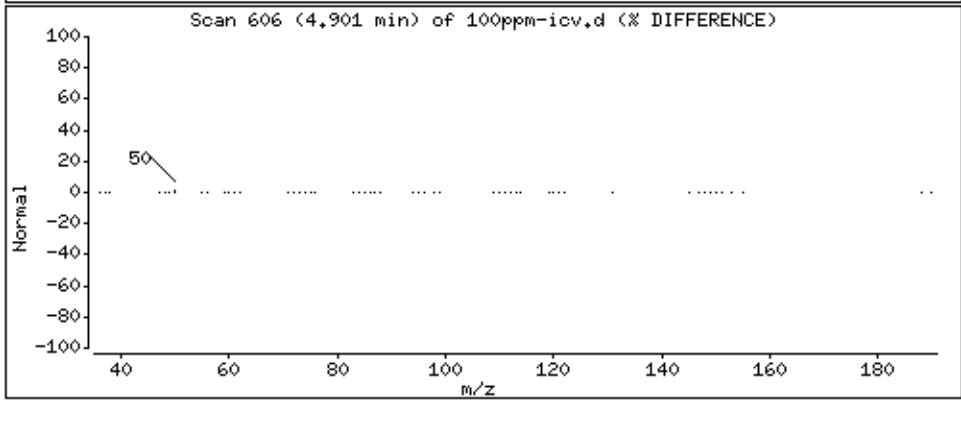
14 1,2-Dichlorobenzene

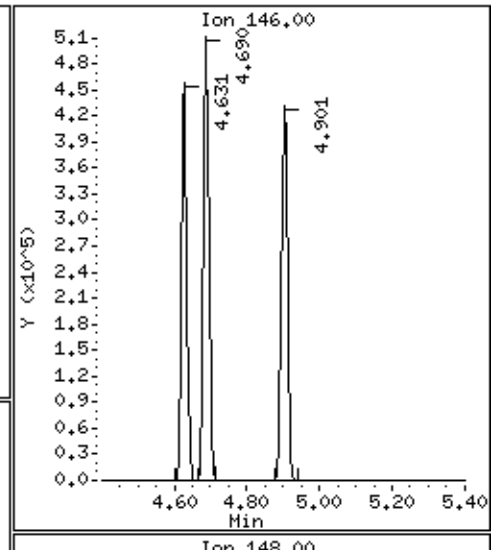
Concentration: 102.6 ug/L

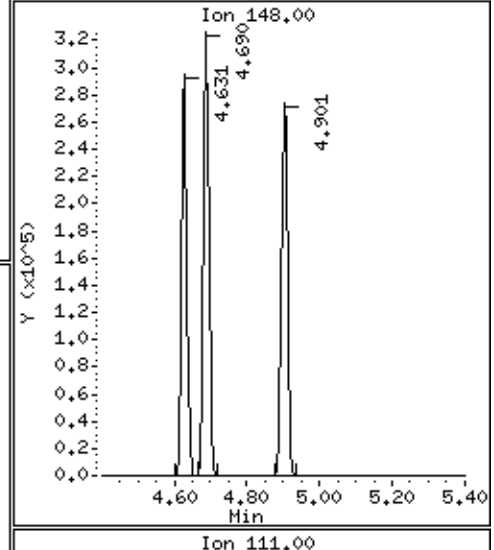


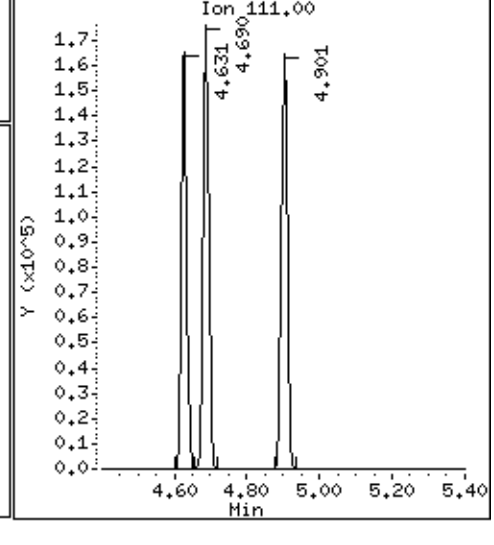












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

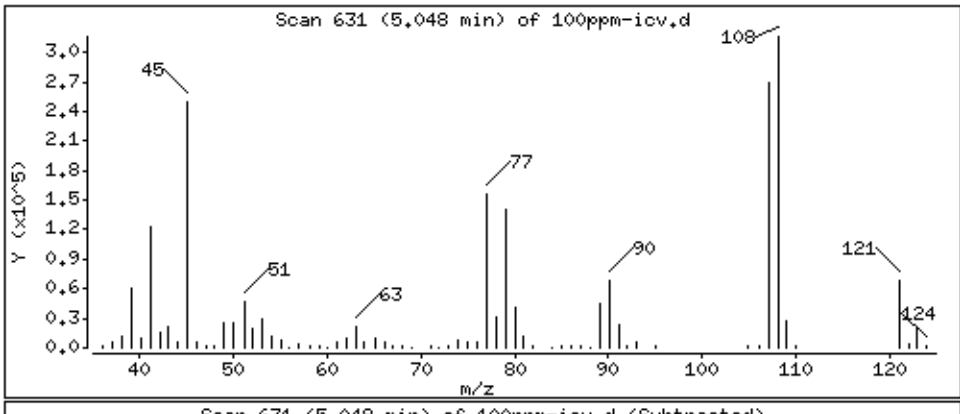
Operator: SN

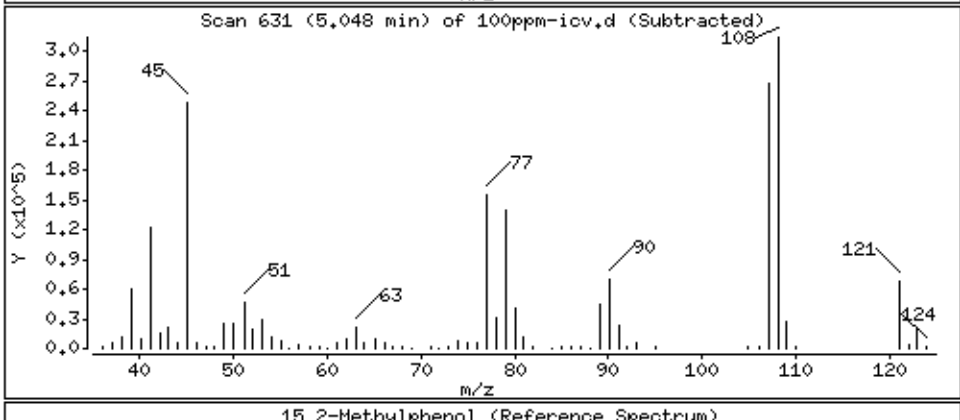
Column phase: .50um DB-5ms

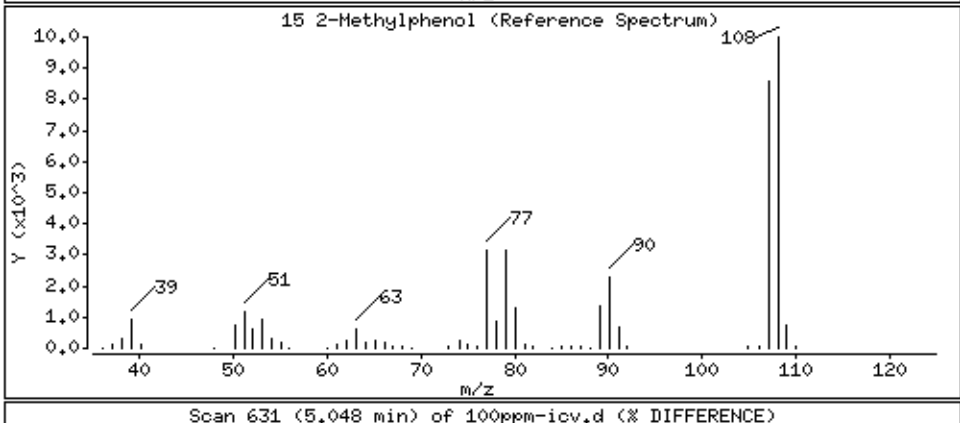
Column diameter: 0.25

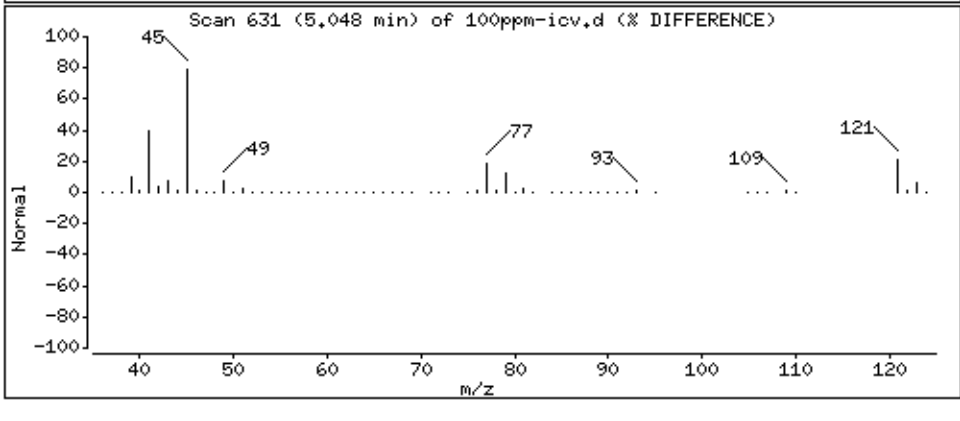
15 2-Methylphenol

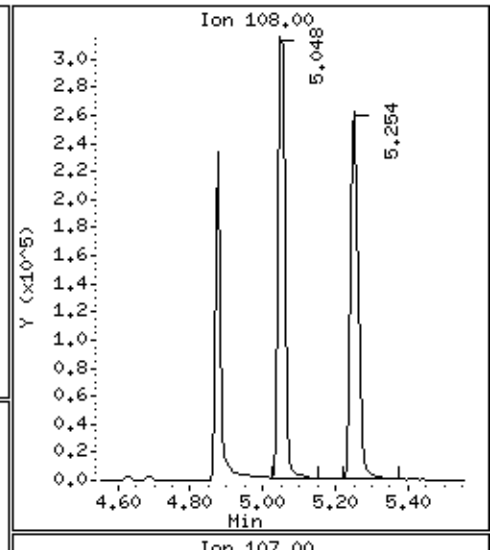
Concentration: 104.6 ug/L

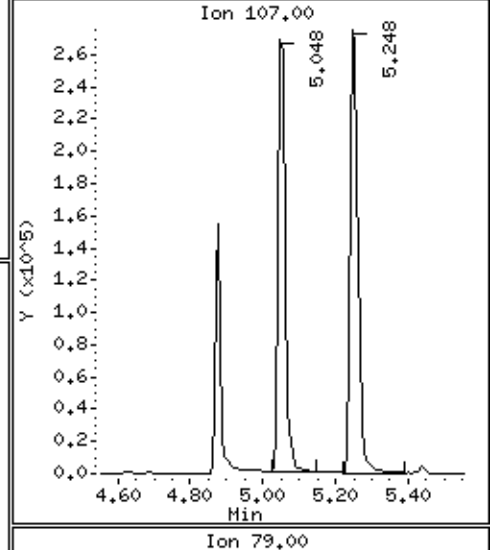


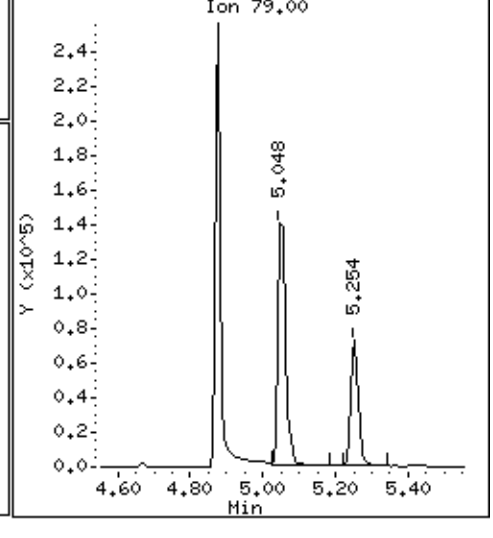












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

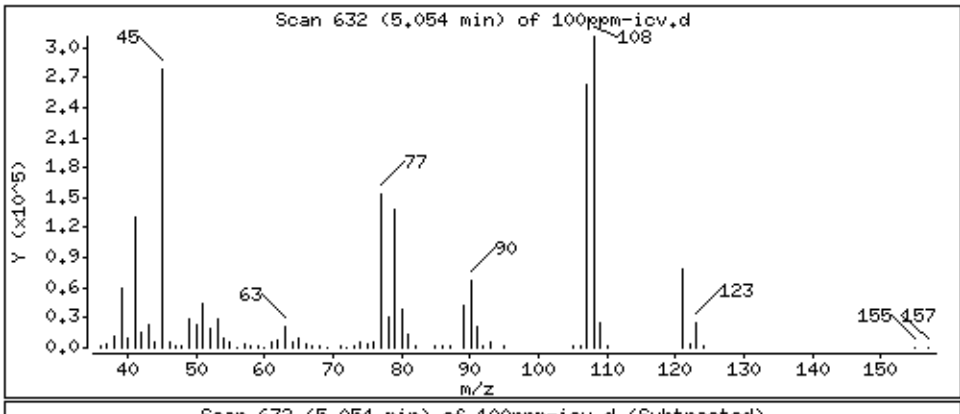
Operator: SN

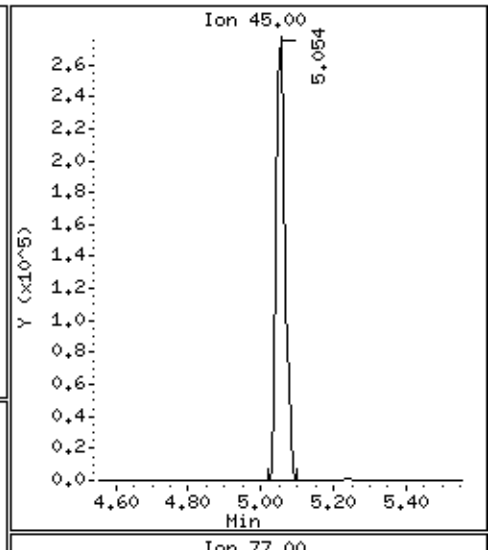
Column phase: .50um DB-5ms

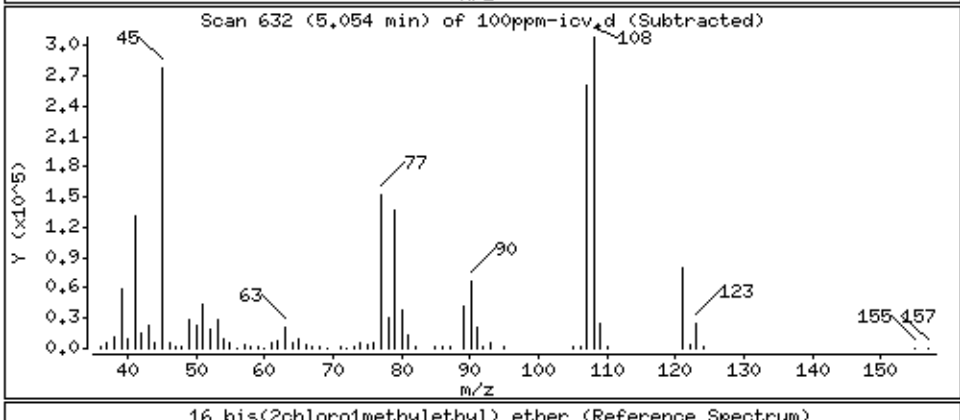
Column diameter: 0.25

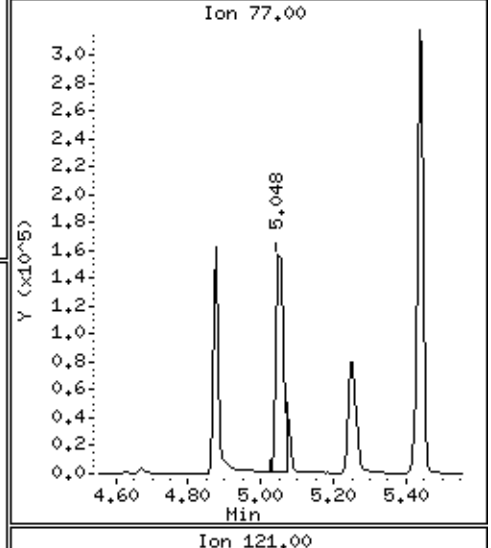
16 bis(2chloro1methylethyl) ether

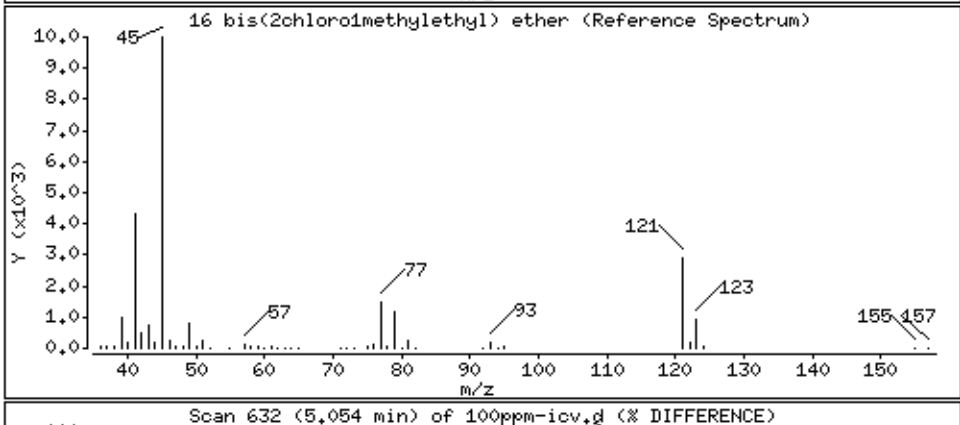
Concentration: 113.2 ug/L

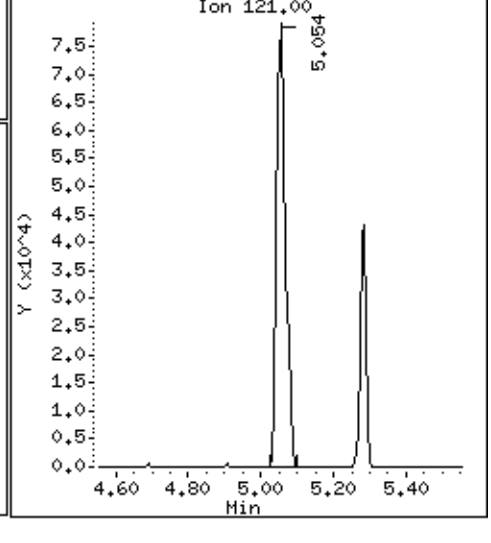


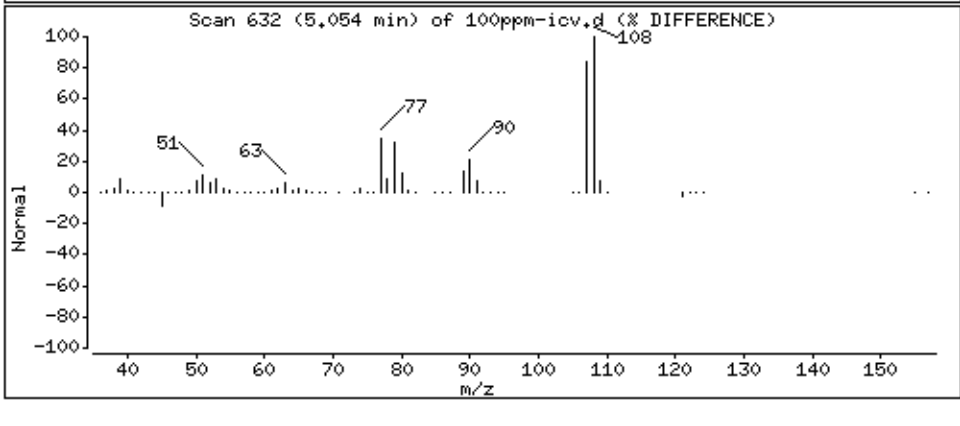












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

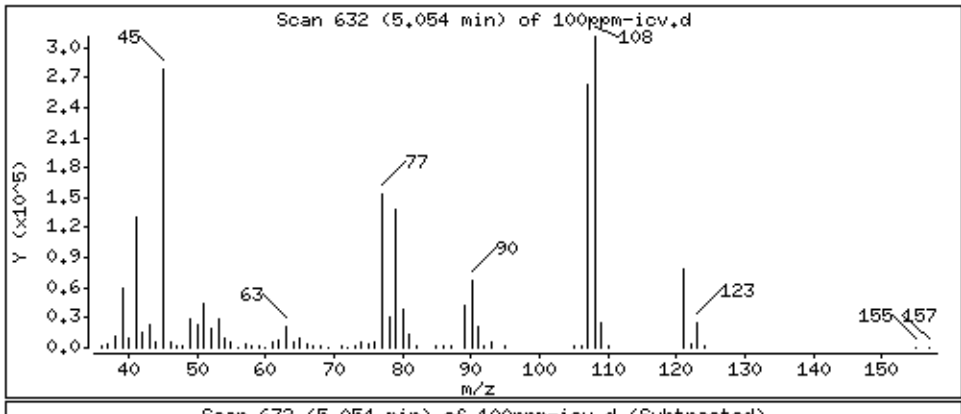
Operator: SN

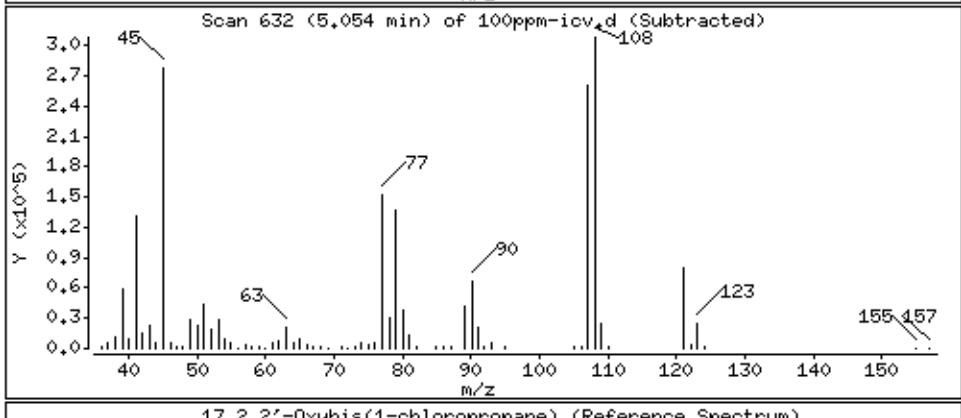
Column phase: .50um DB-5ms

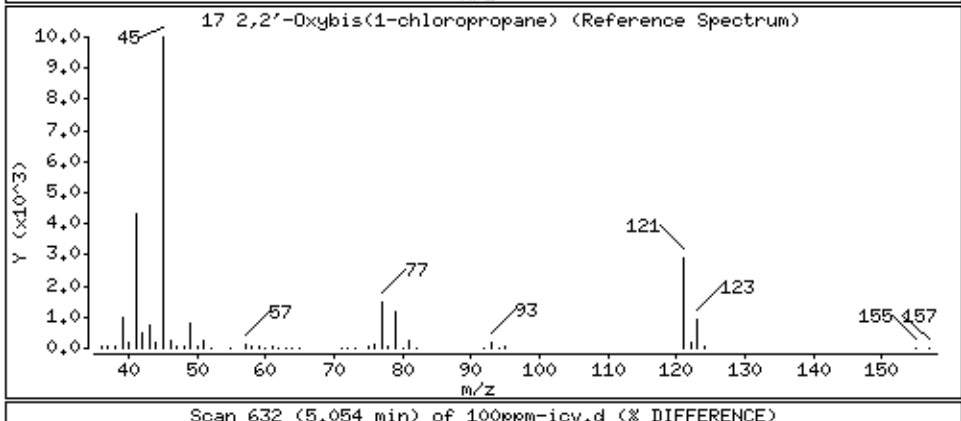
Column diameter: 0.25

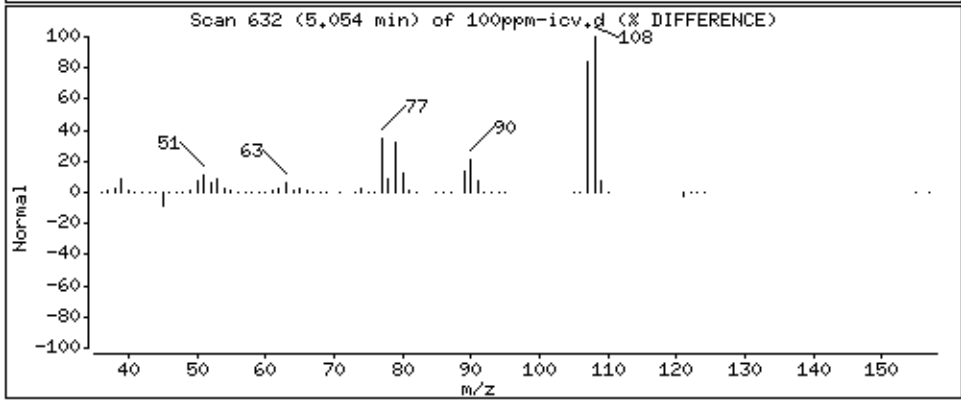
17 2,2'-Oxybis(1-chloropropane)

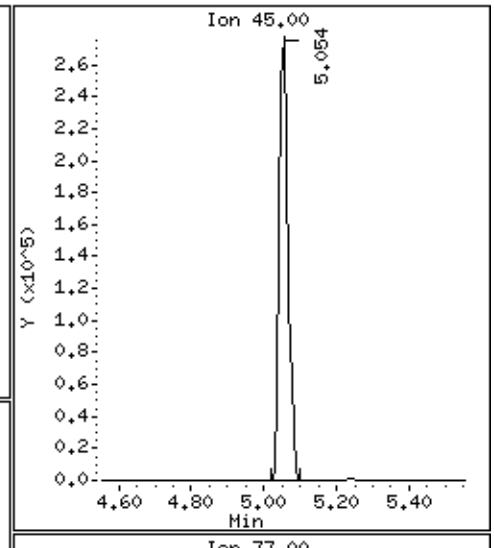
Concentration: 113.2 ug/L

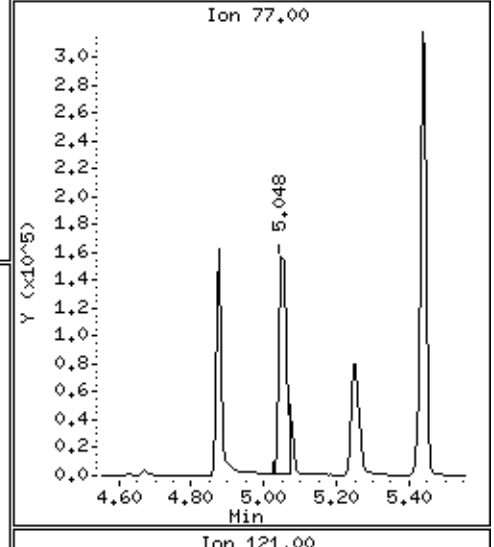


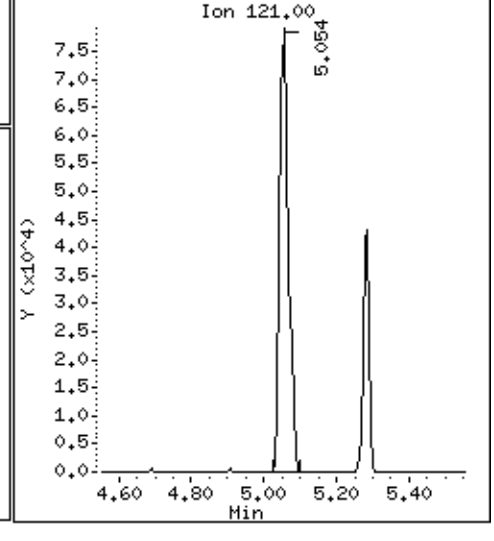












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

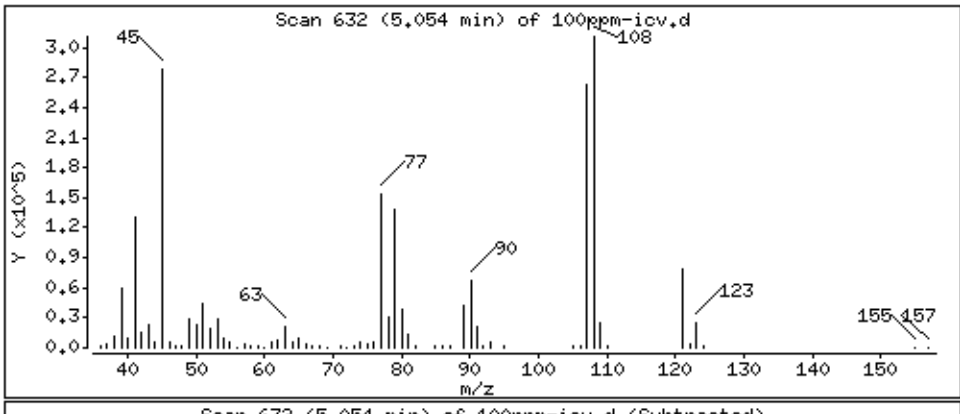
Operator: SN

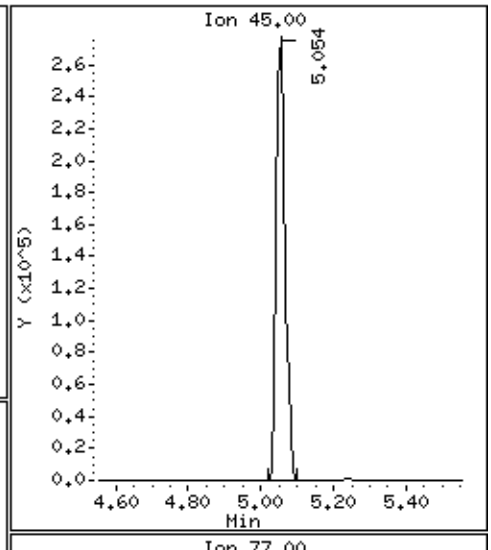
Column phase: .50um DB-5ms

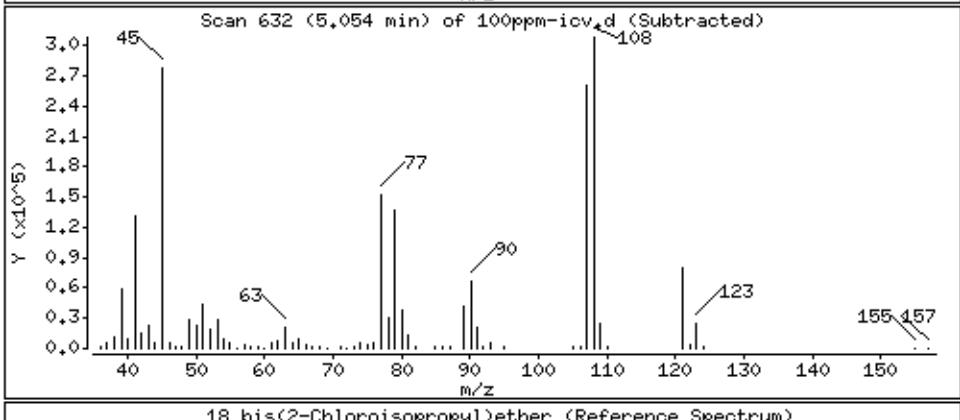
Column diameter: 0.25

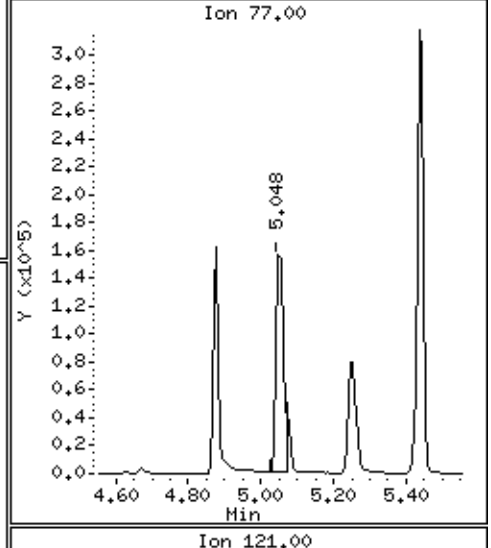
18 bis(2-Chloroisopropyl)ether

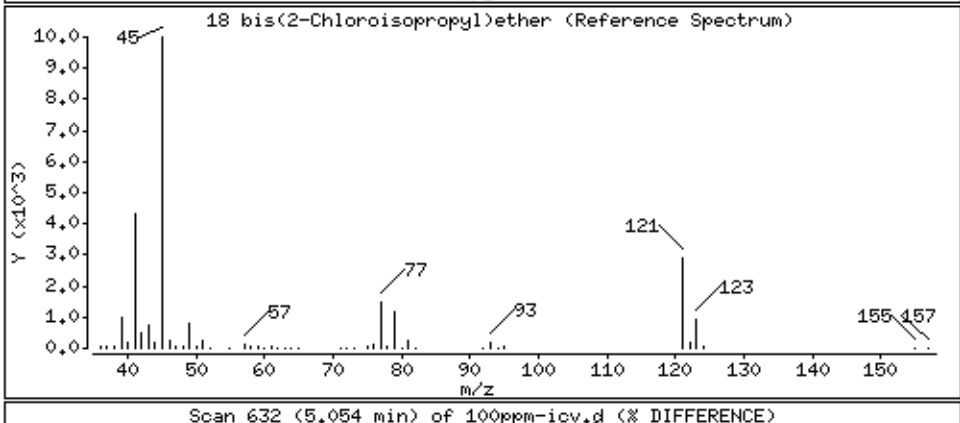
Concentration: 113.2 ug/L

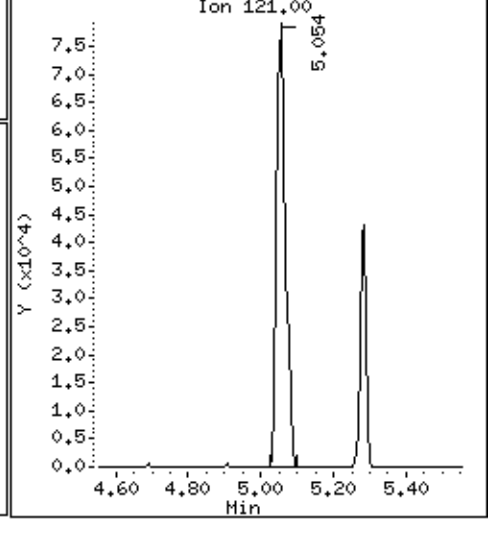


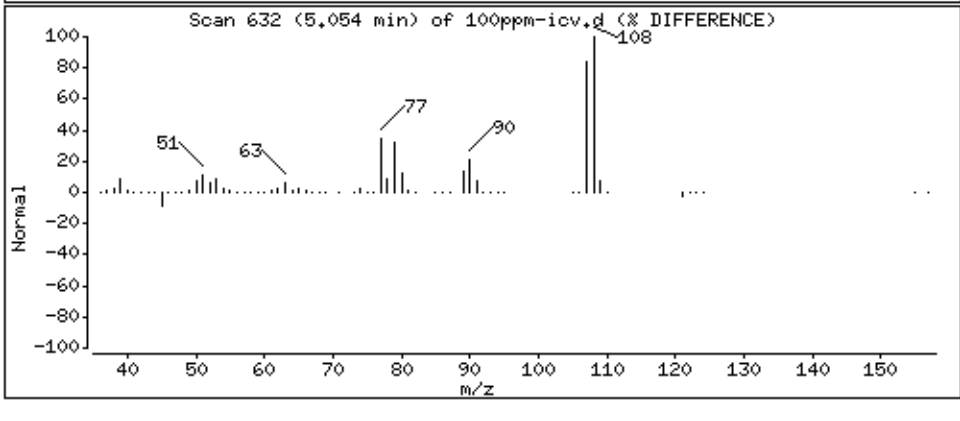












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

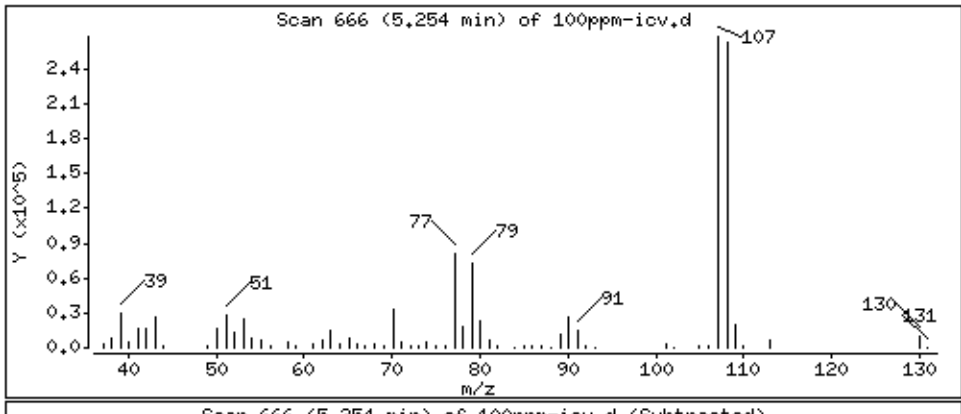
Operator: SN

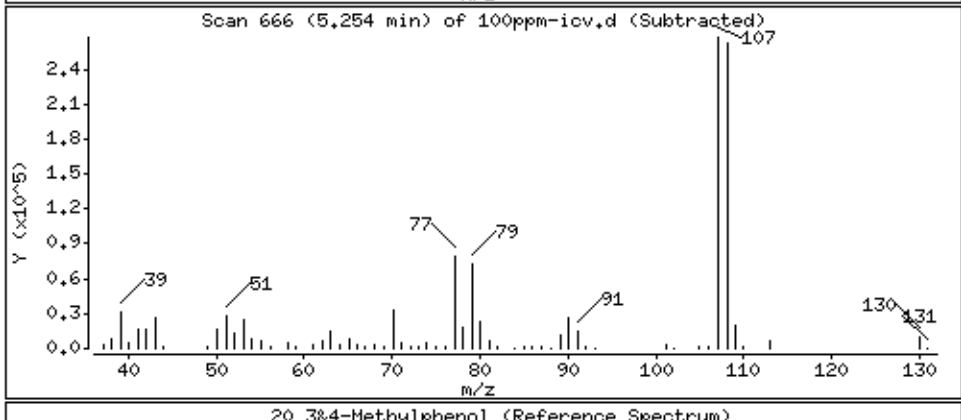
Column phase: .50um DB-5ms

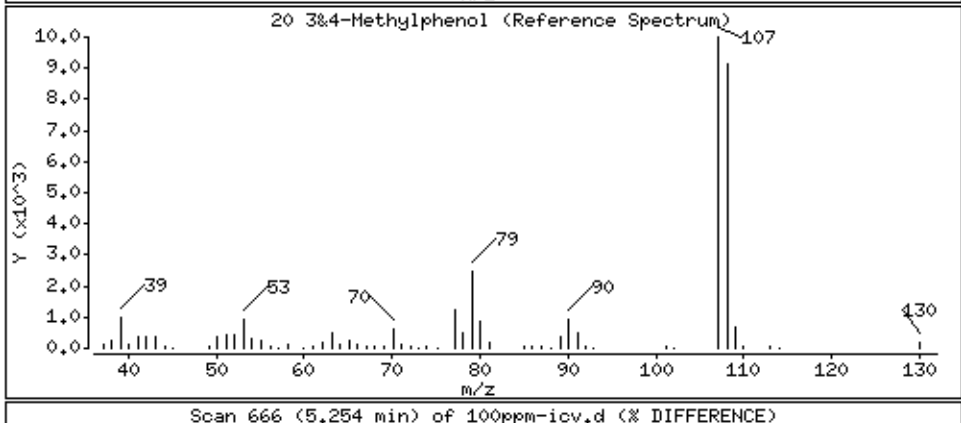
Column diameter: 0.25

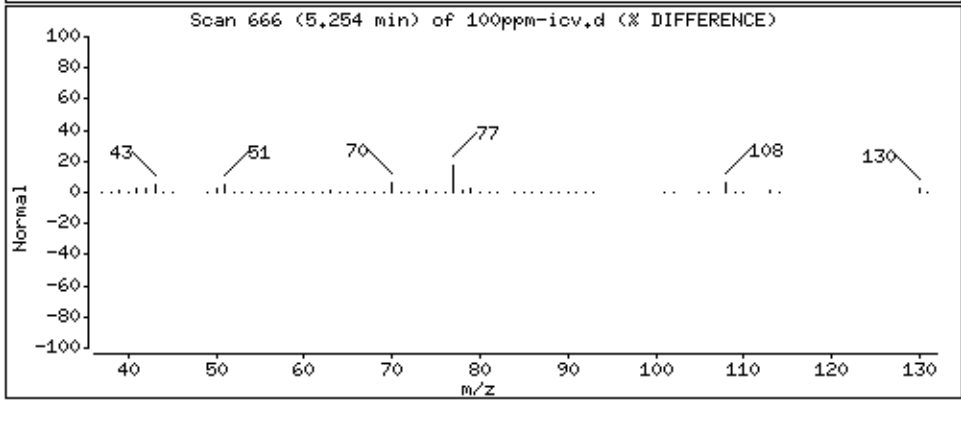
20 3&4-Methylphenol

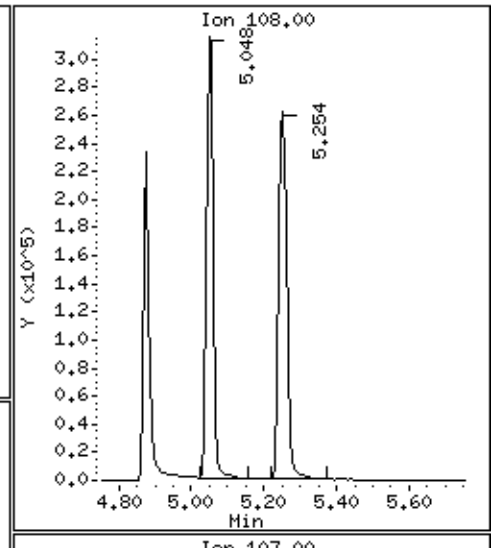
Concentration: 104.8 ug/L

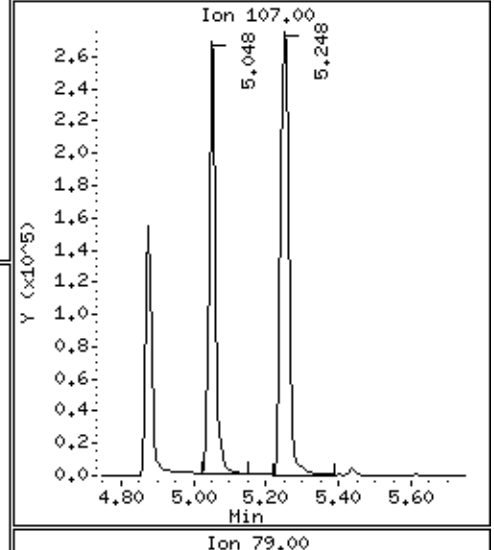


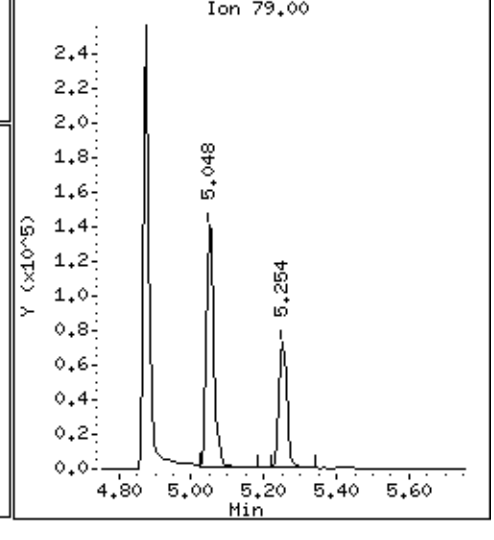












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

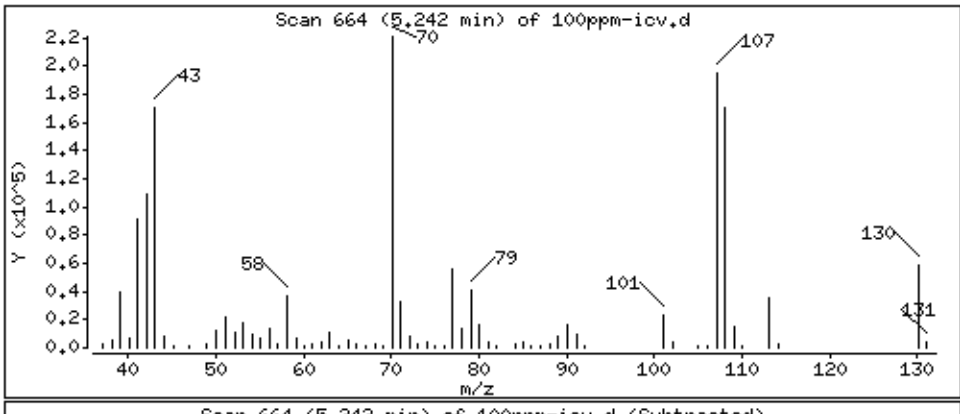
Operator: SN

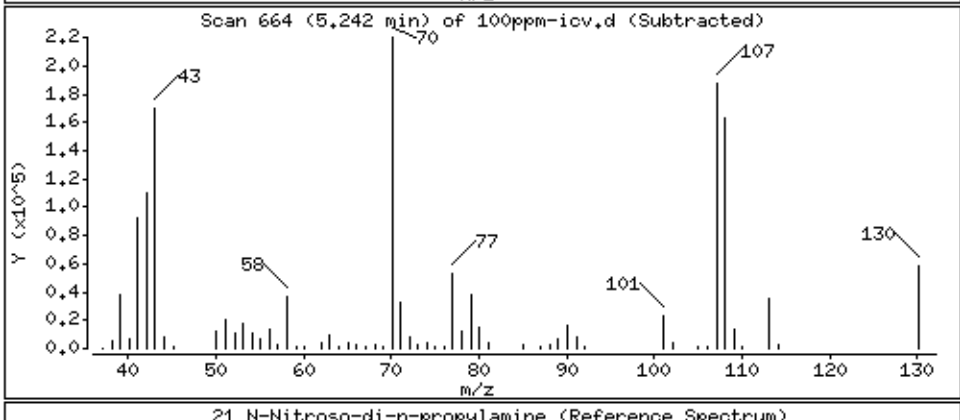
Column phase: .50um DB-5ms

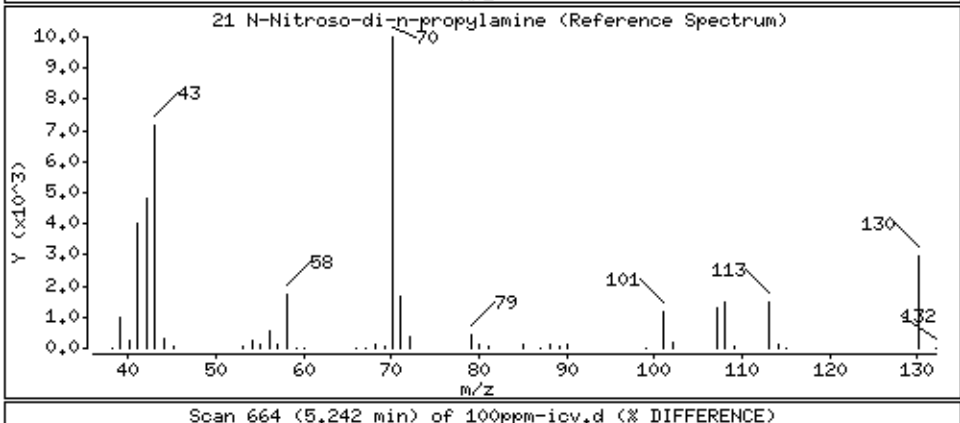
Column diameter: 0.25

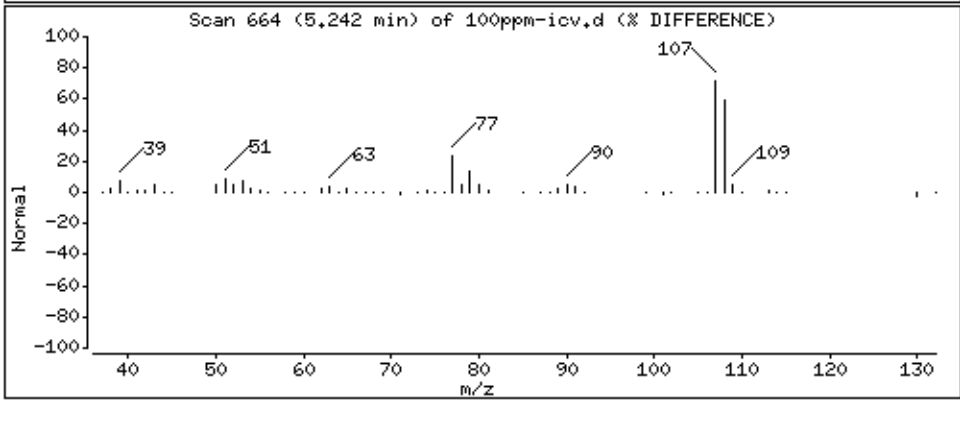
21 N-Nitroso-di-n-propylamine

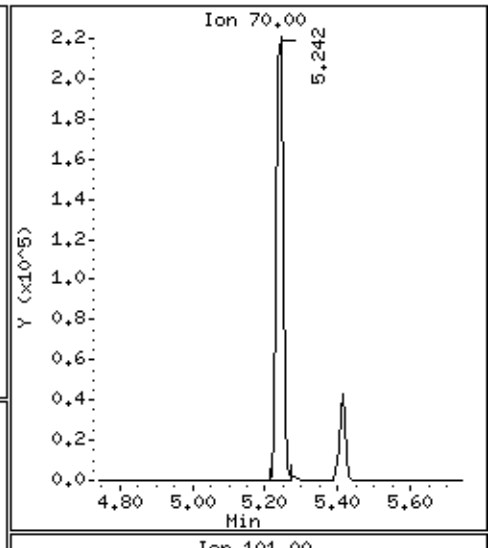
Concentration: 106.0 ug/L

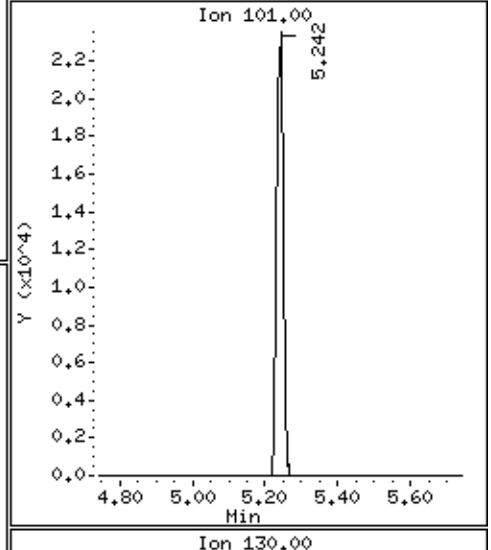


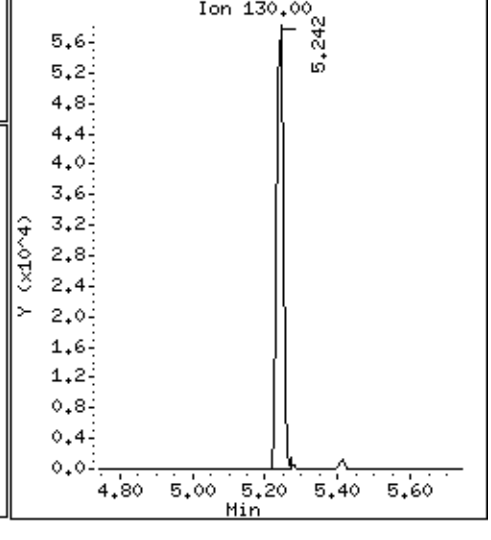












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

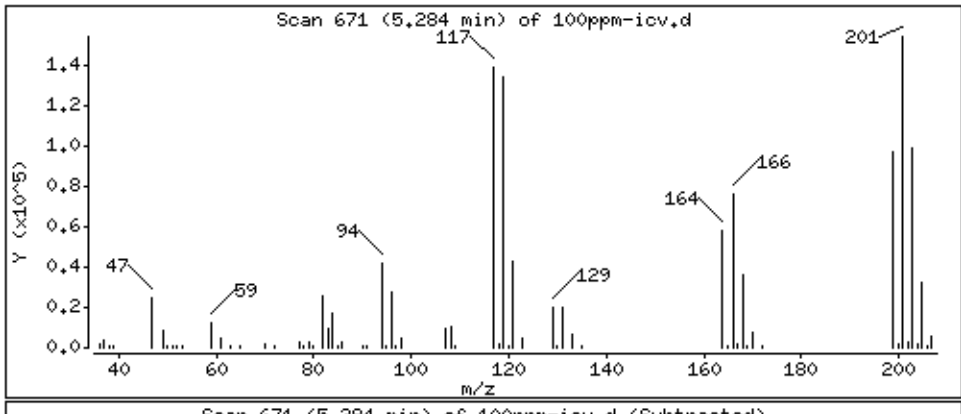
Operator: SN

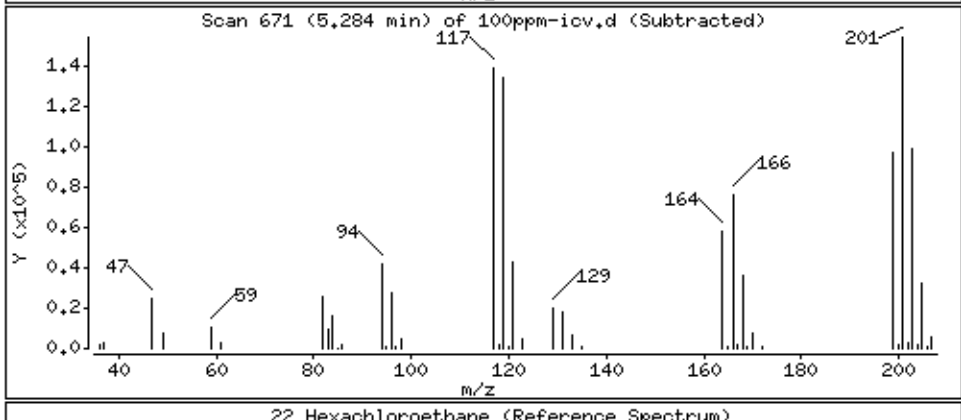
Column phase: .50um DB-5ms

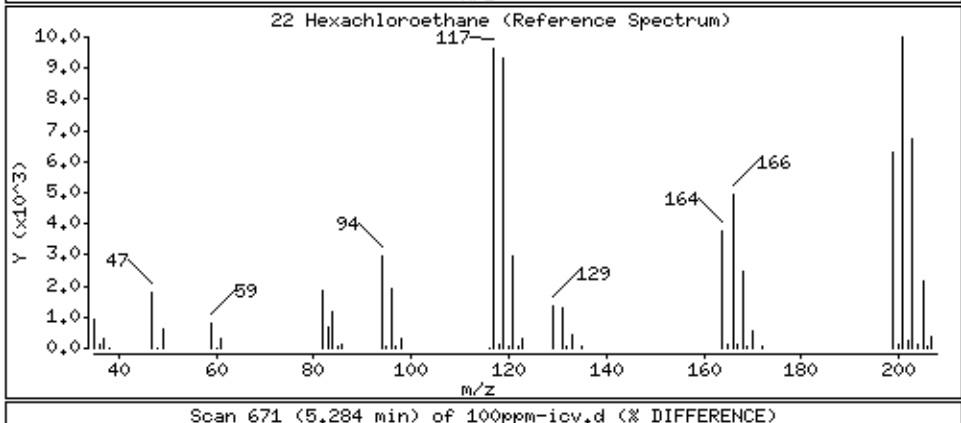
Column diameter: 0.25

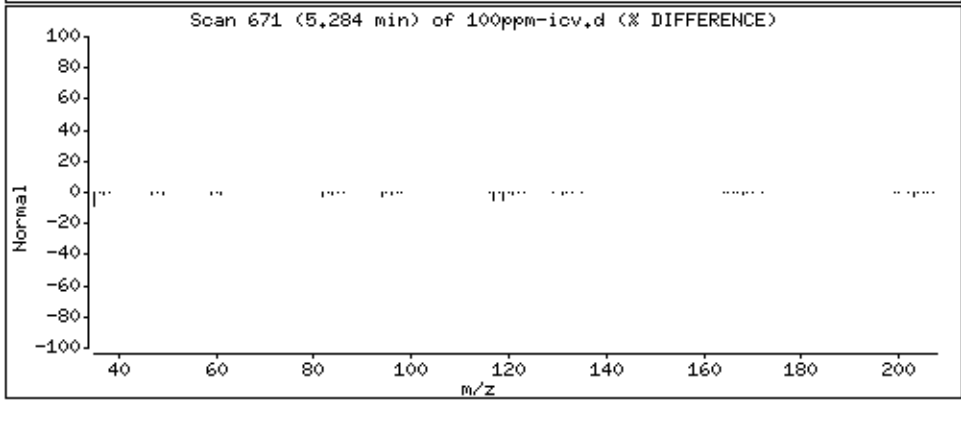
22 Hexachloroethane

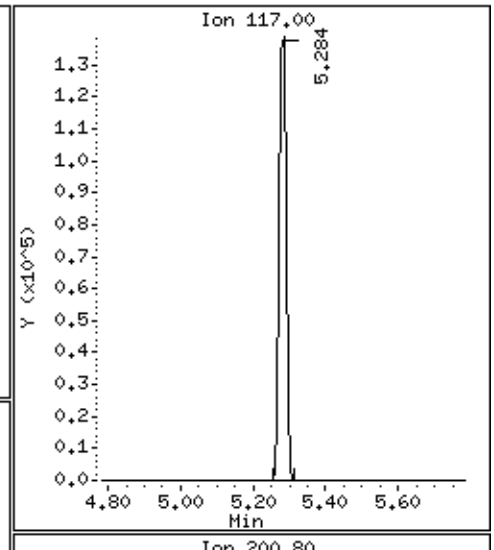
Concentration: 104.5 ug/L

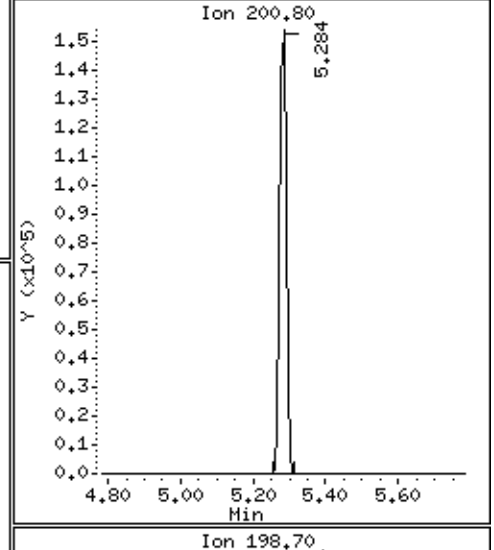


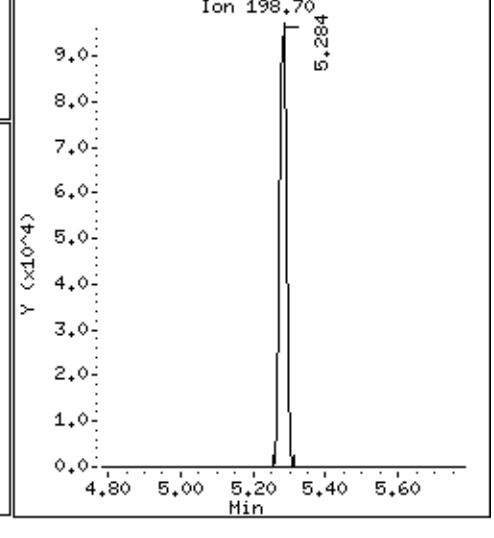












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

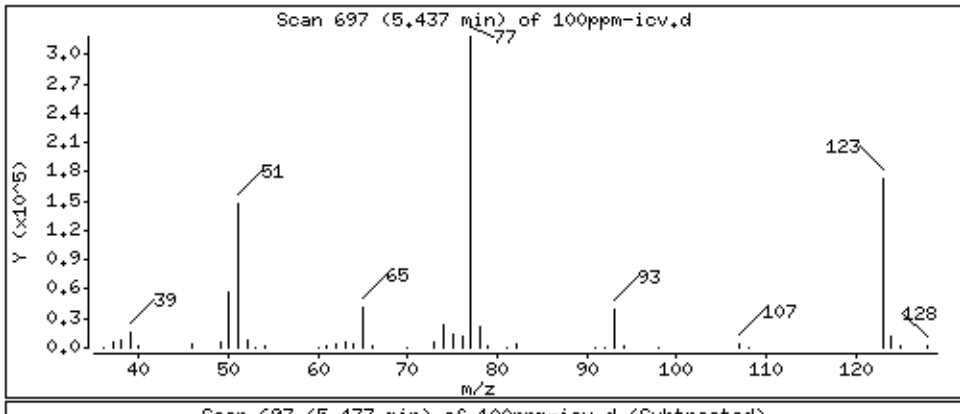
Operator: SN

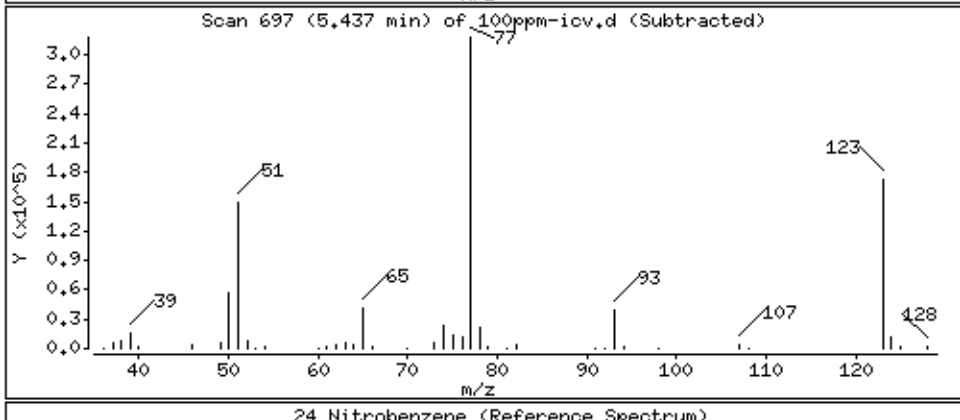
Column phase: .50um DB-5ms

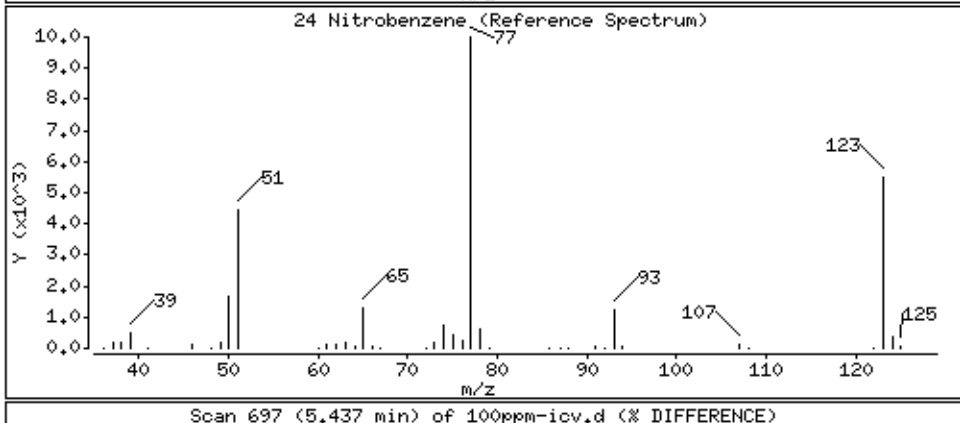
Column diameter: 0.25

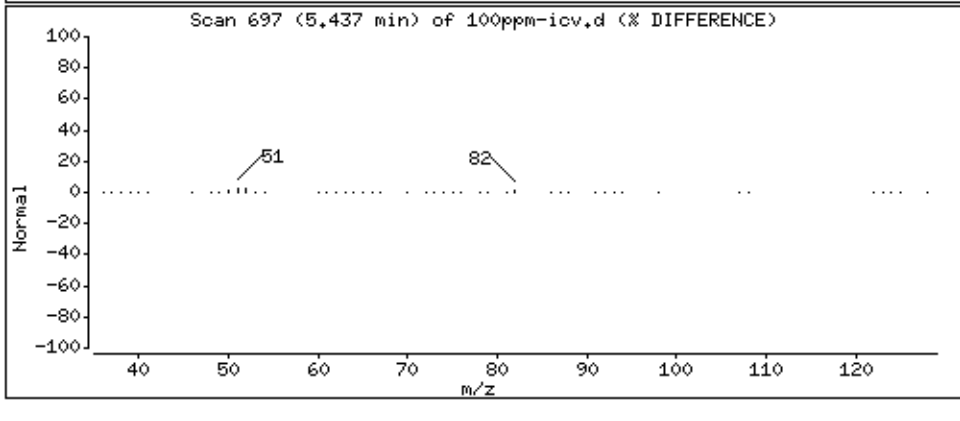
24 Nitrobenzene

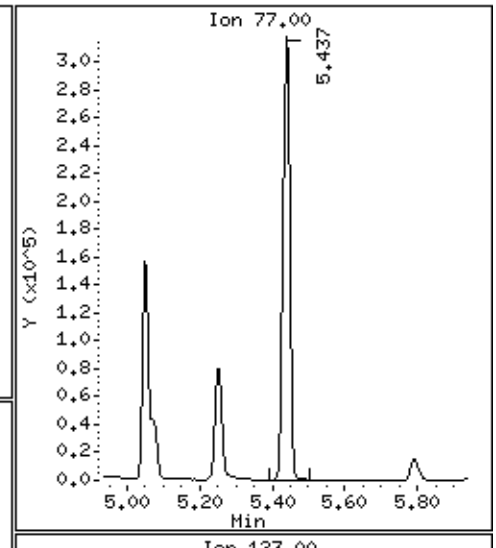
Concentration: 107.4 ug/L

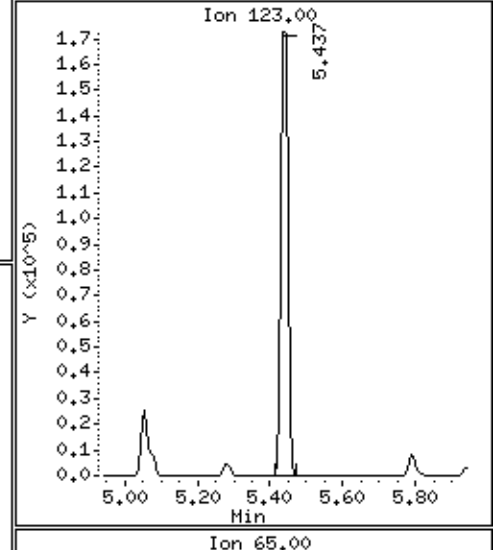


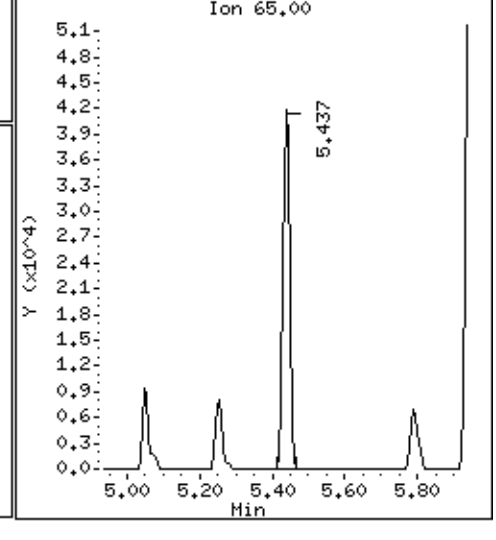












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

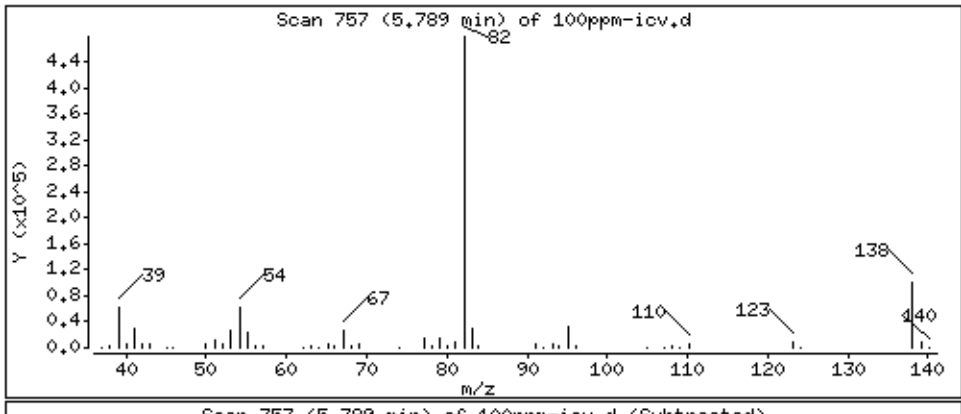
Operator: SN

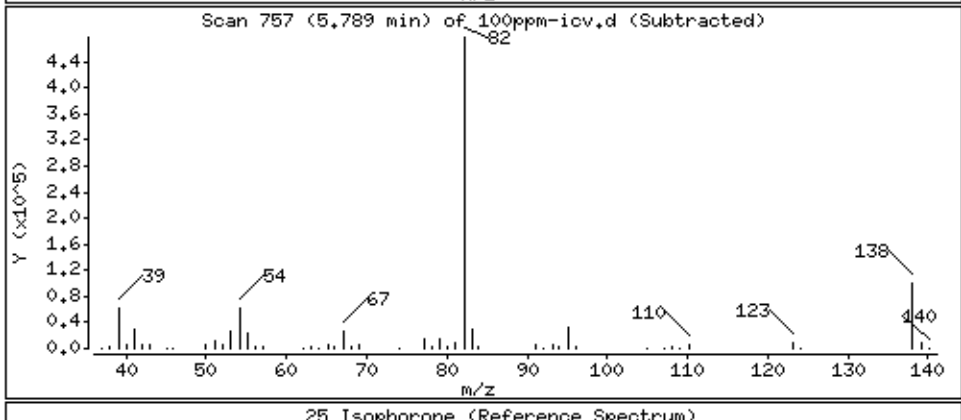
Column phase: .50um DB-5ms

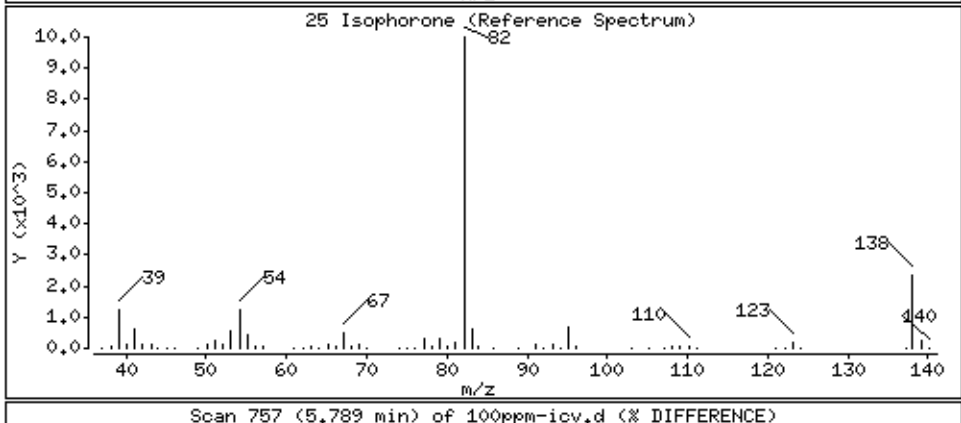
Column diameter: 0.25

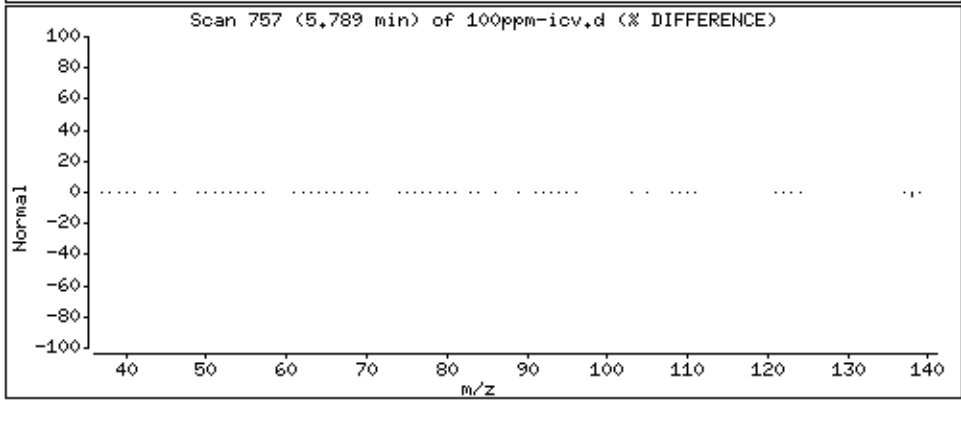
25 Isophorone

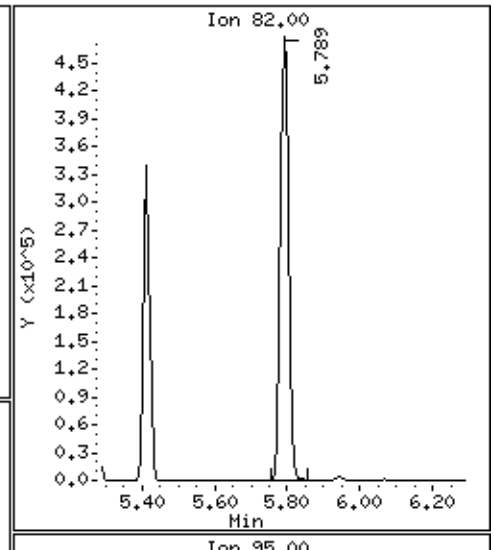
Concentration: 103.2 ug/L

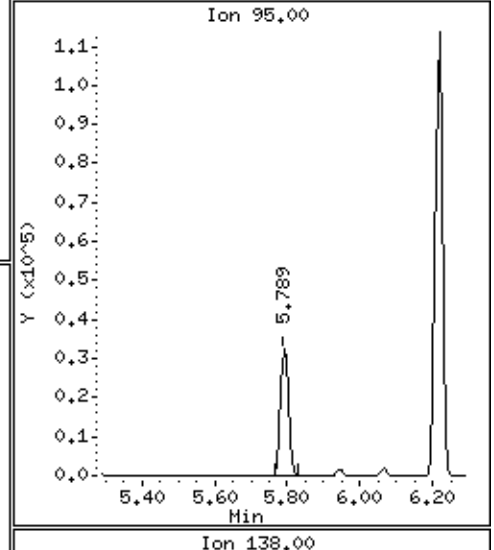


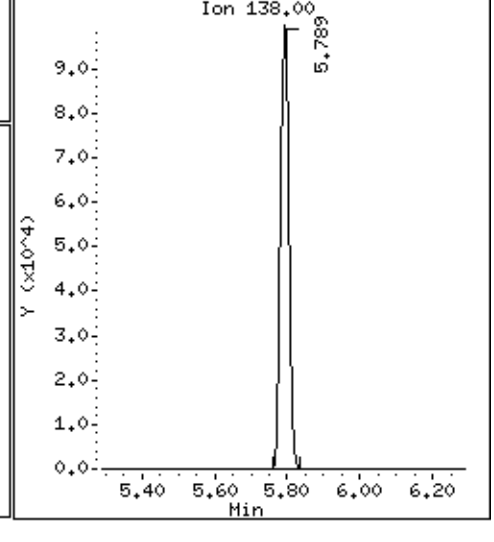












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

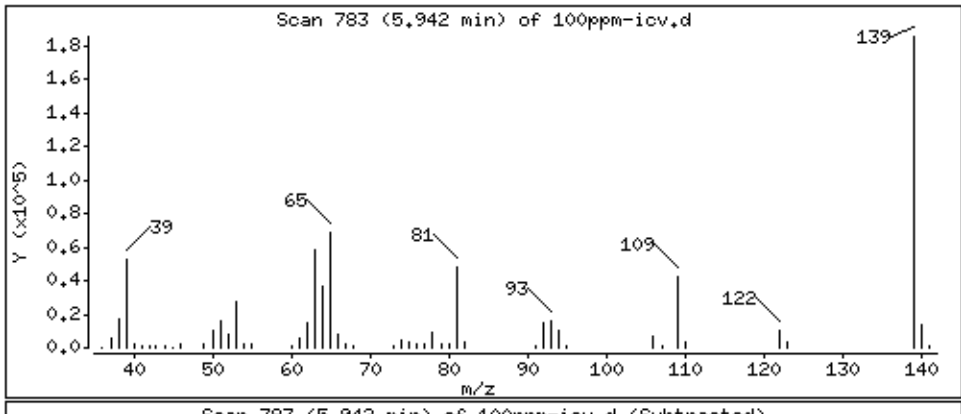
Operator: SN

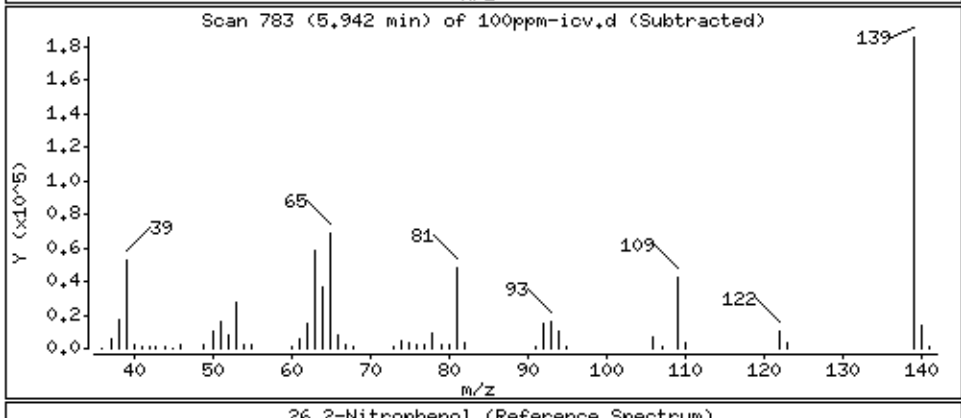
Column phase: .50um DB-5ms

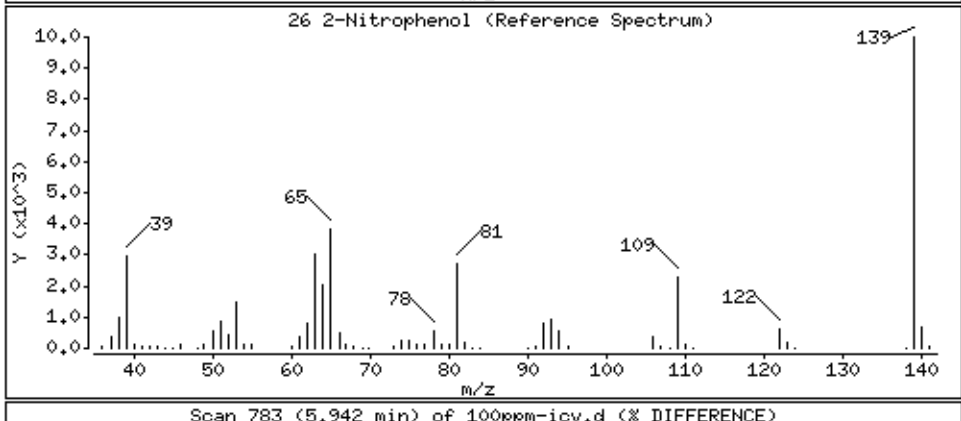
Column diameter: 0.25

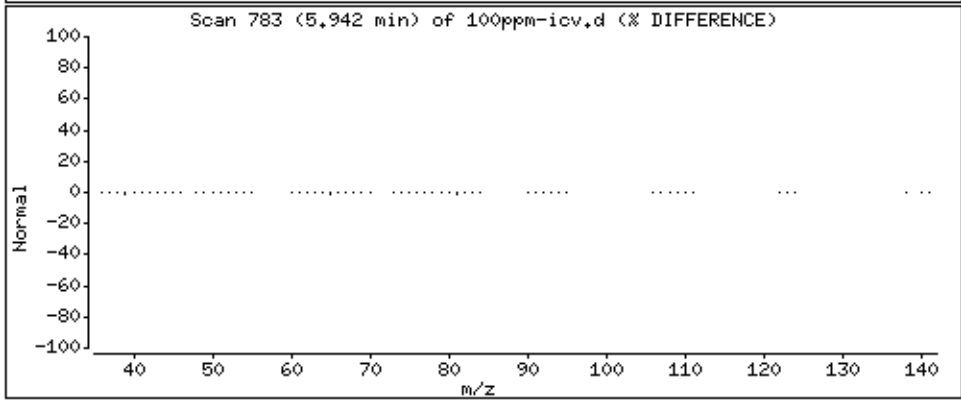
26 2-Nitrophenol

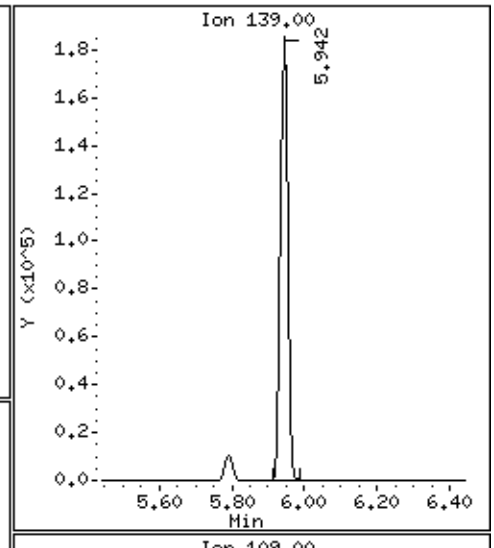
Concentration: 107.1 ug/L

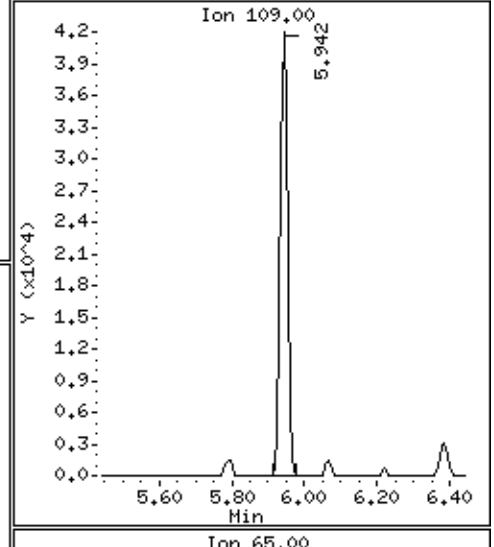


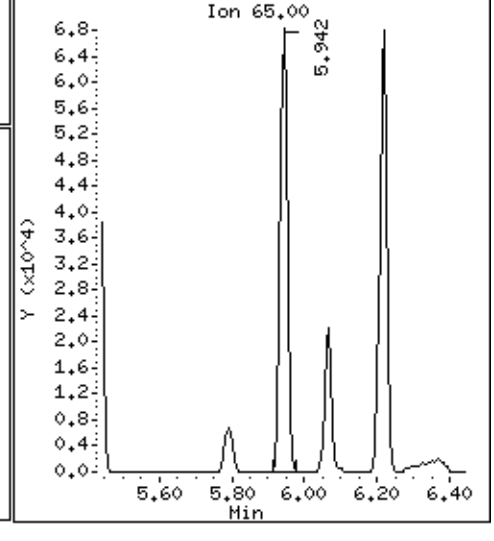












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

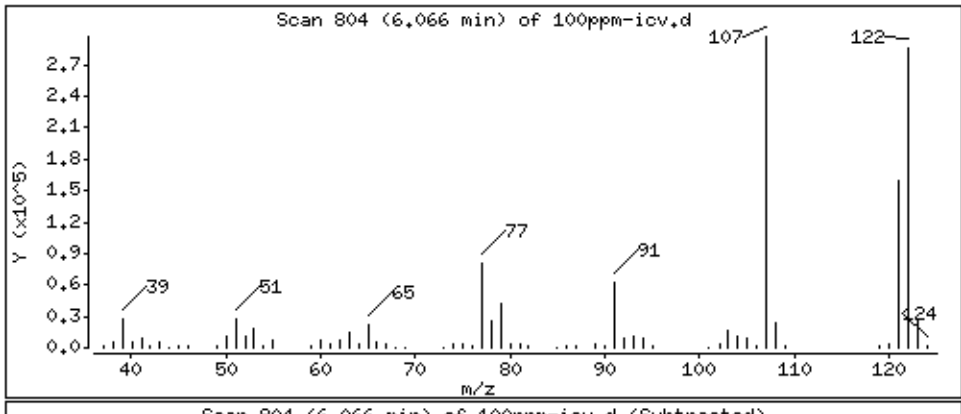
Operator: SN

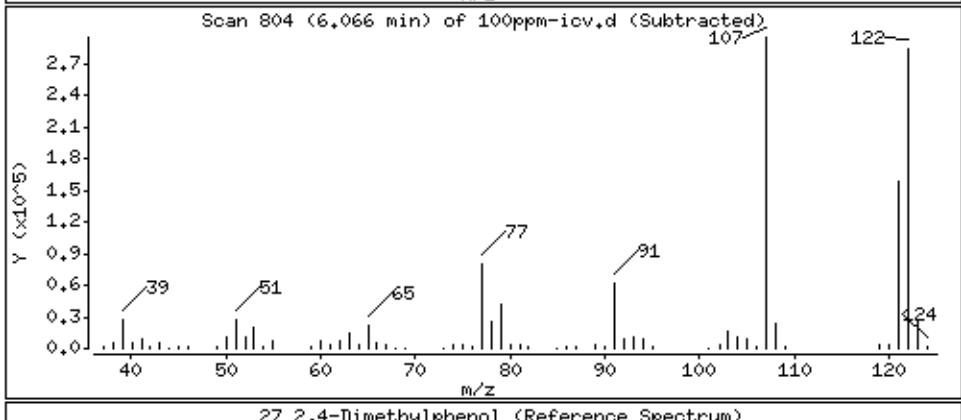
Column phase: .50um DB-5ms

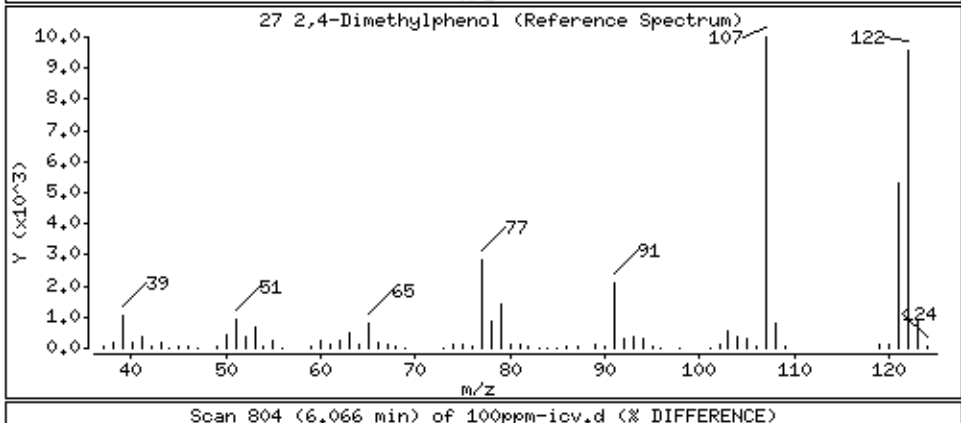
Column diameter: 0.25

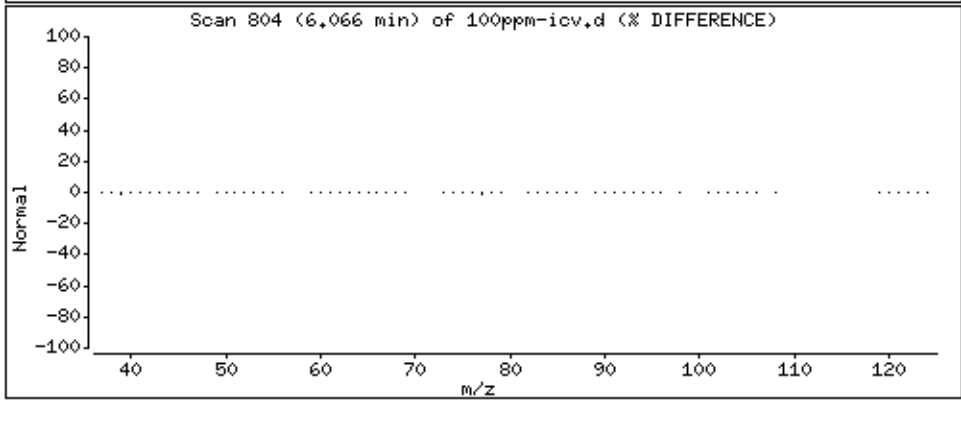
27 2,4-Dimethylphenol

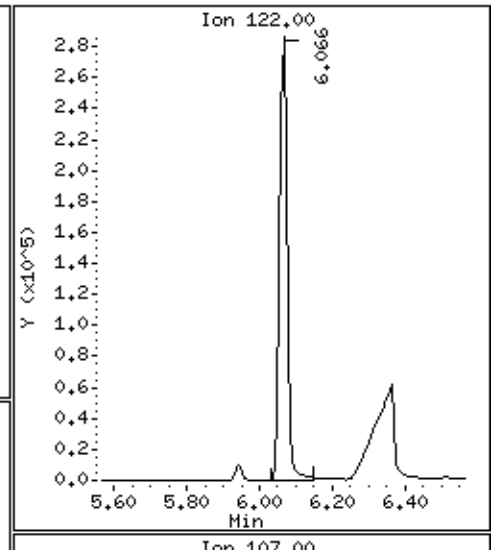
Concentration: 106.5 ug/L

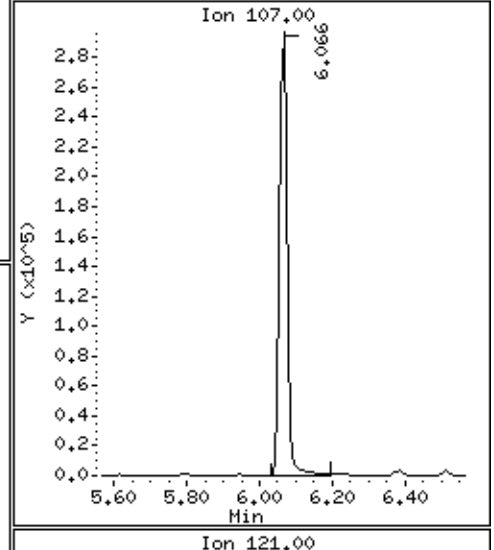


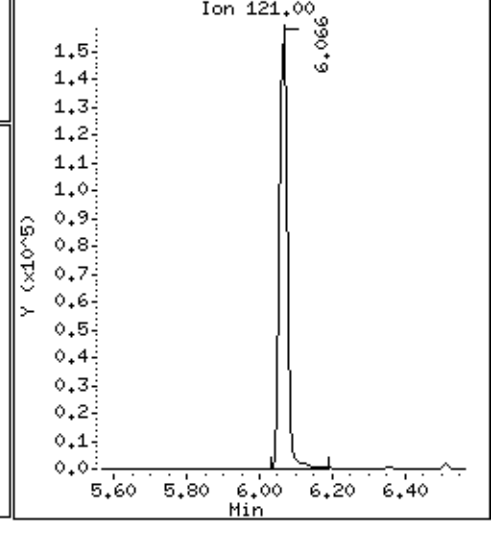












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

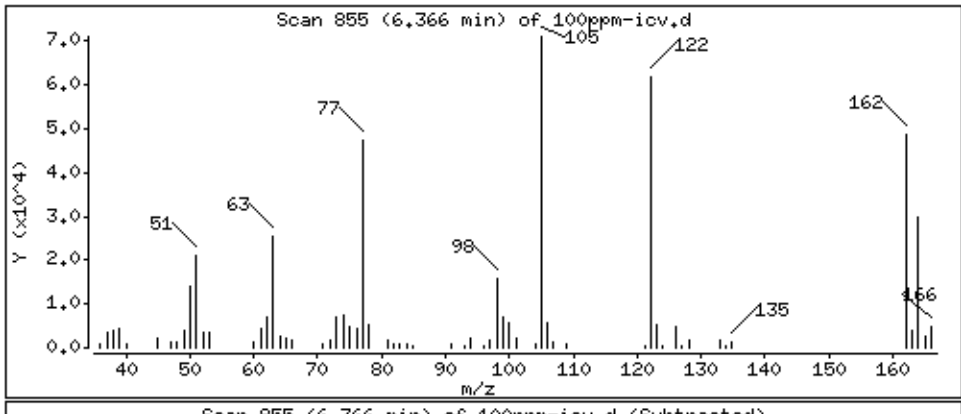
Operator: SN

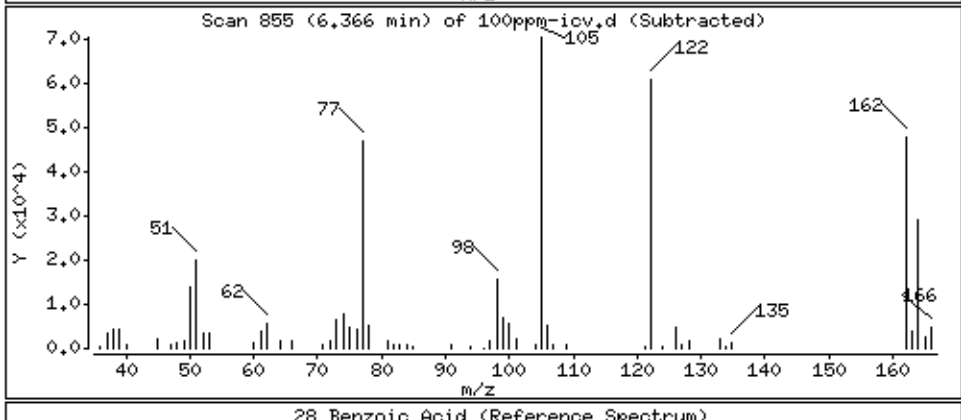
Column phase: .50um DB-5ms

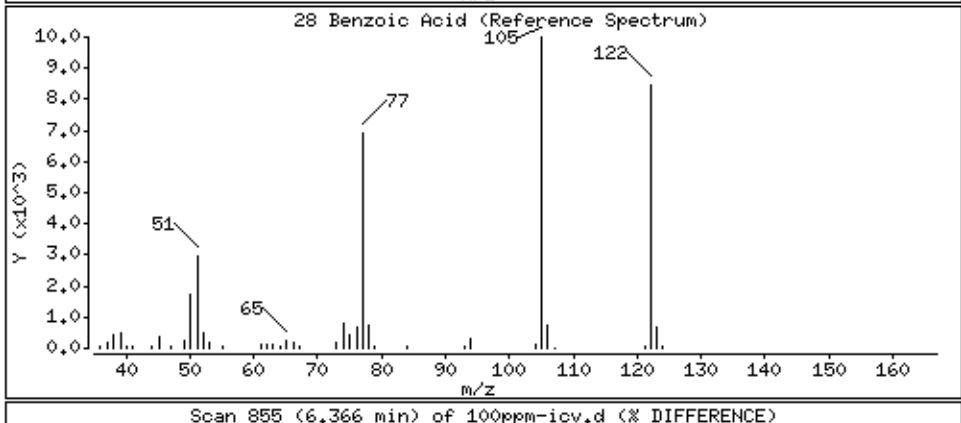
Column diameter: 0.25

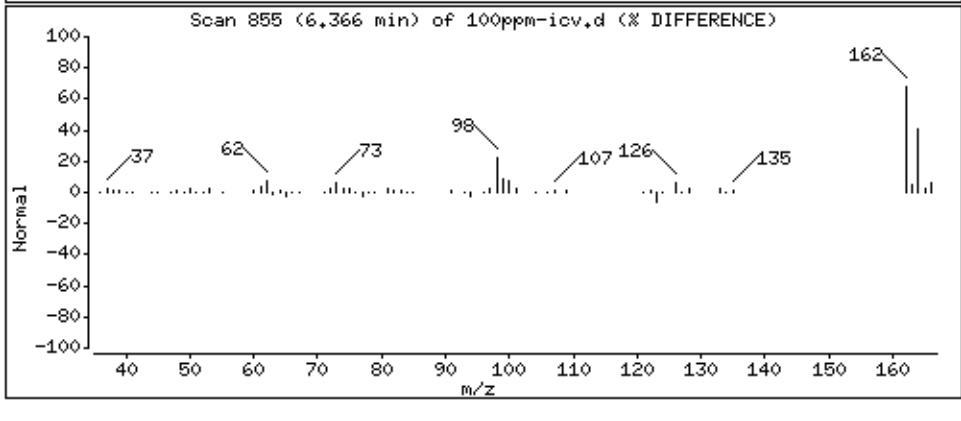
28 Benzoic Acid

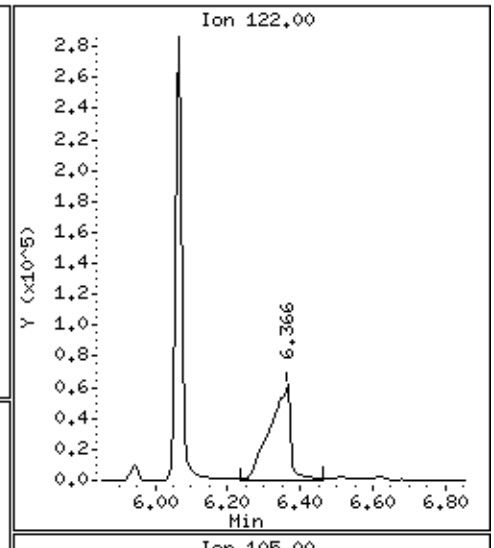
Concentration: 90.58 ug/L

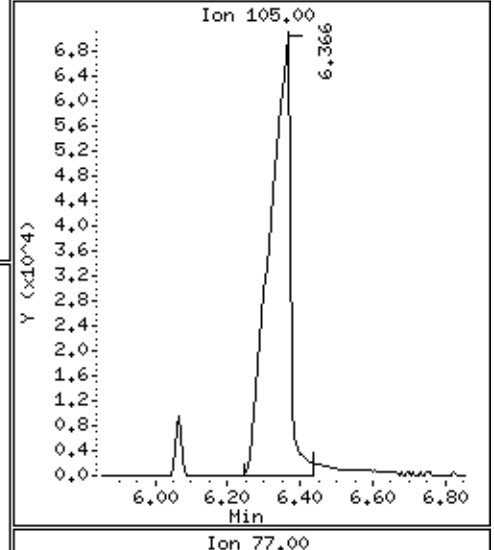


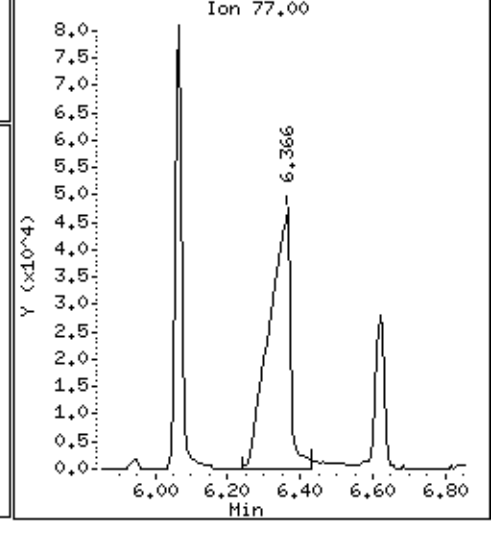












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

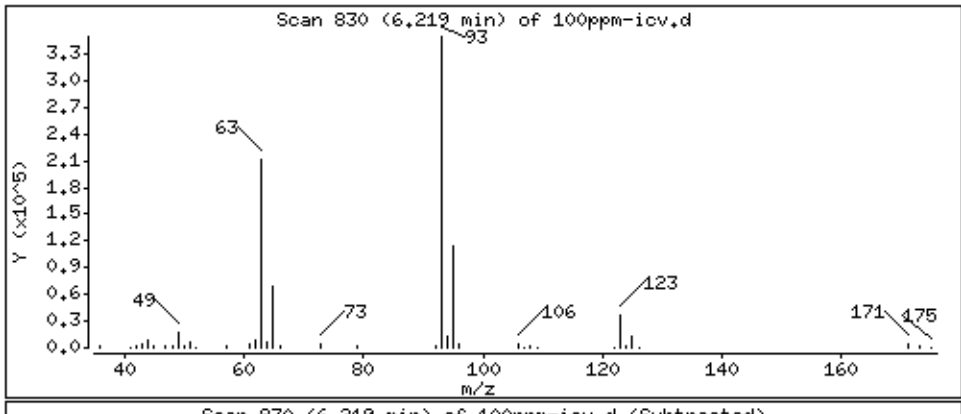
Operator: SN

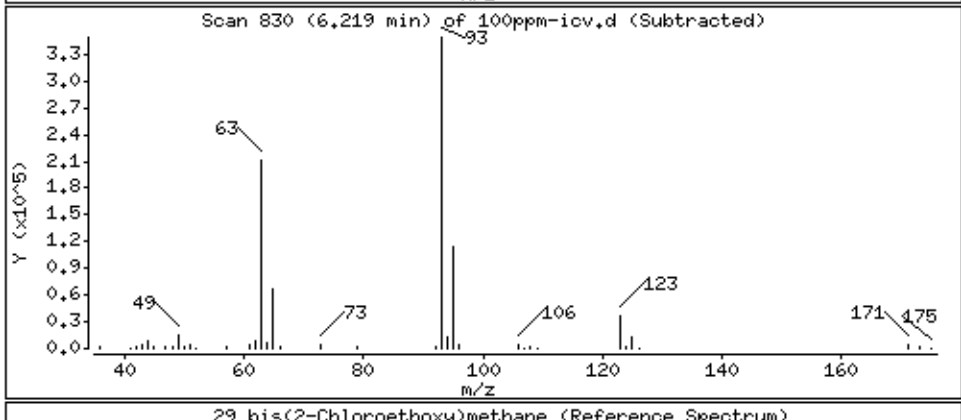
Column phase: .50um DB-5ms

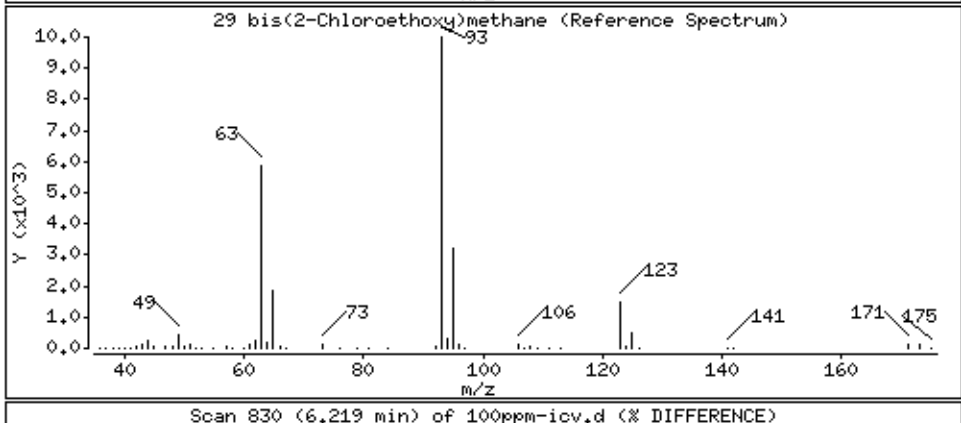
Column diameter: 0.25

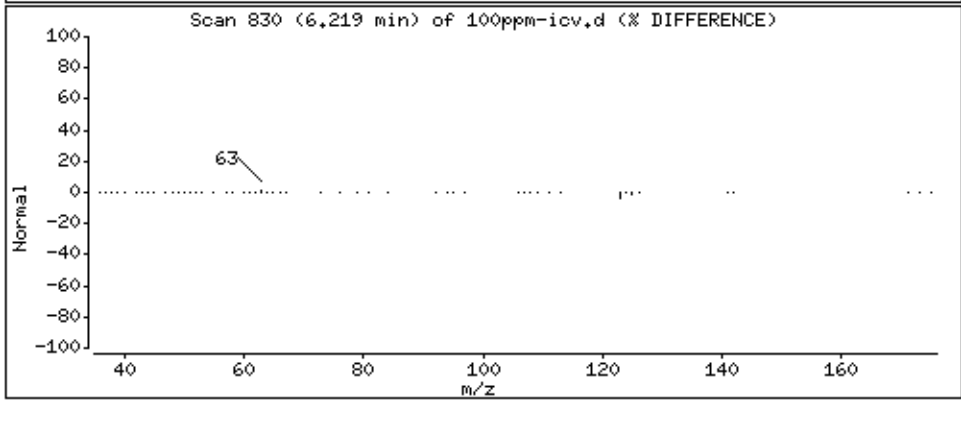
29 bis(2-Chloroethoxy)methane

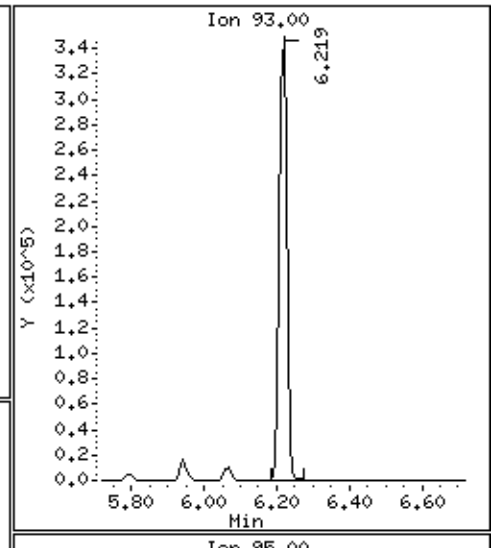
Concentration: 107.9 ug/L

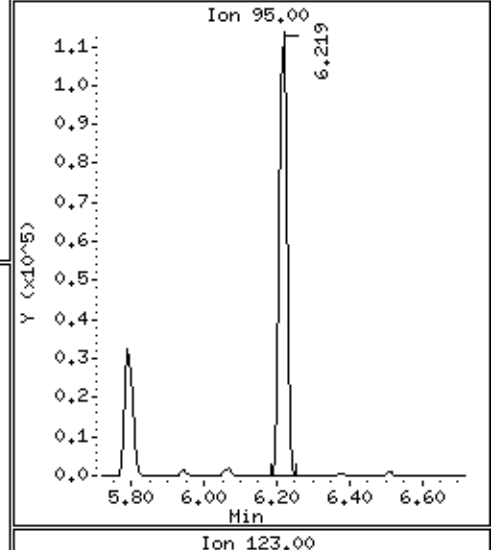


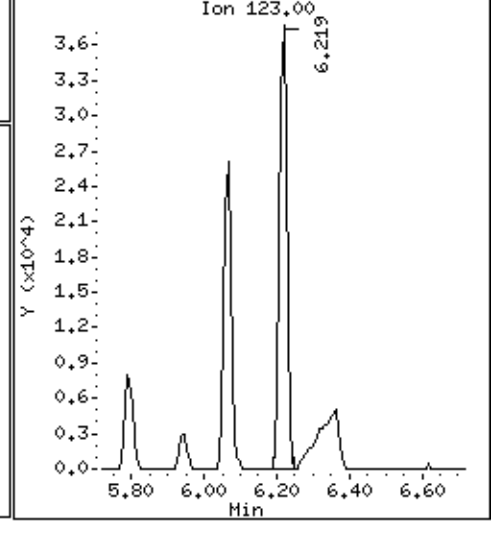












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

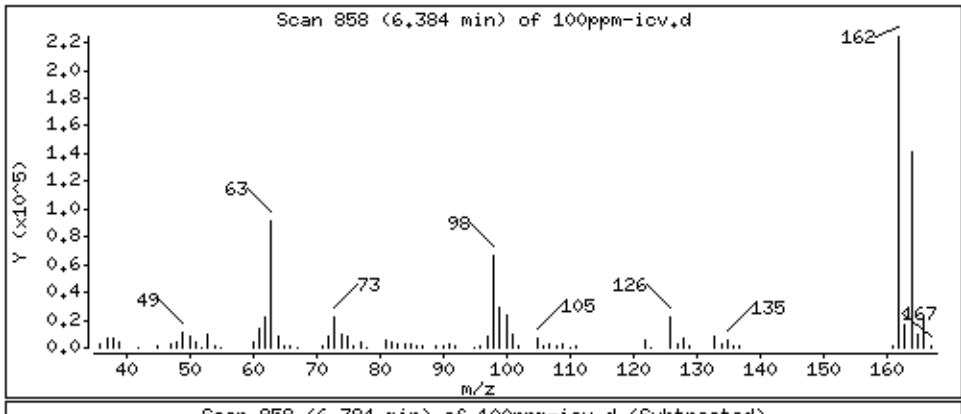
Operator: SN

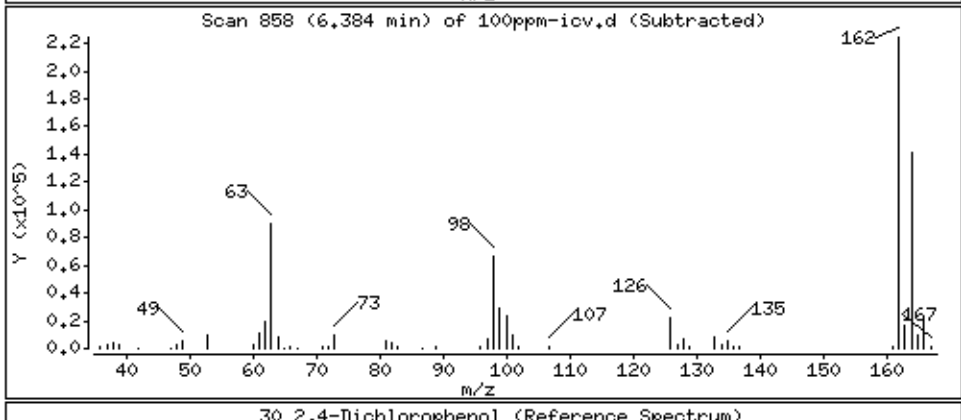
Column phase: .50um DB-5ms

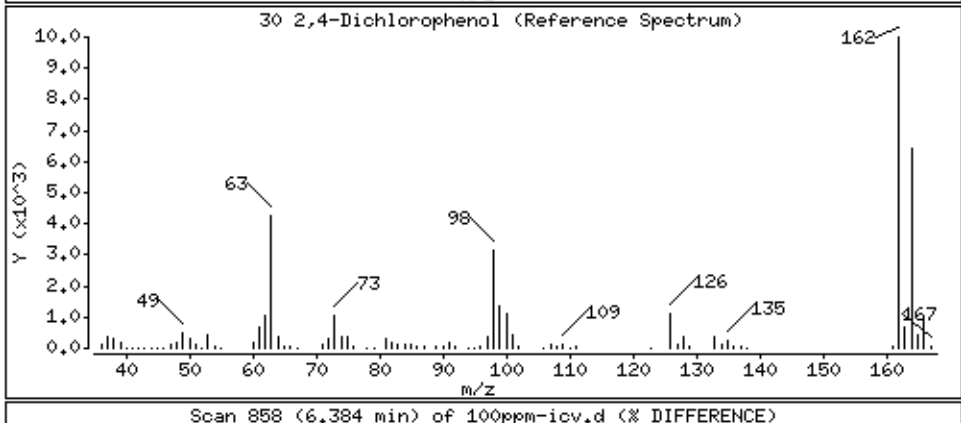
Column diameter: 0.25

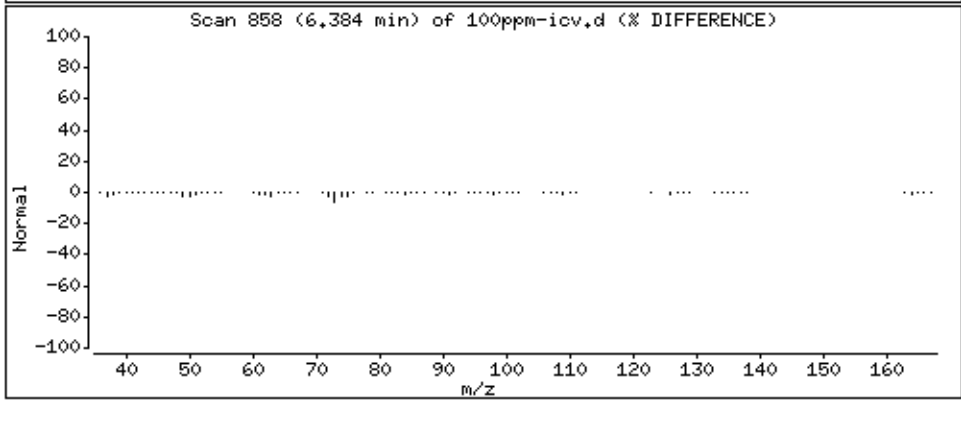
30 2,4-Dichlorophenol

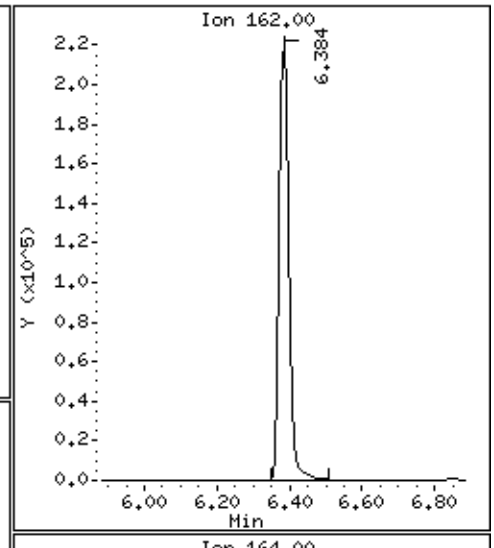
Concentration: 105.0 ug/L

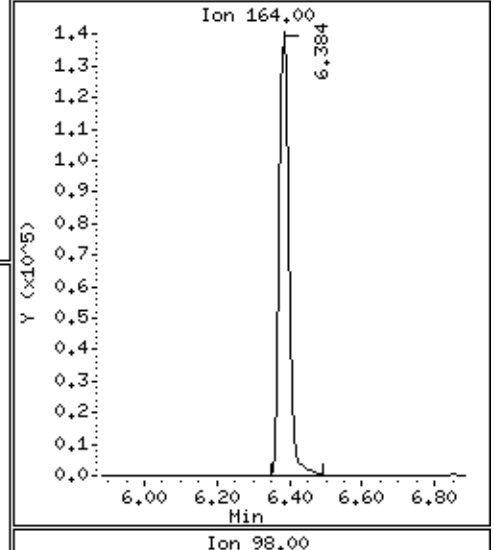


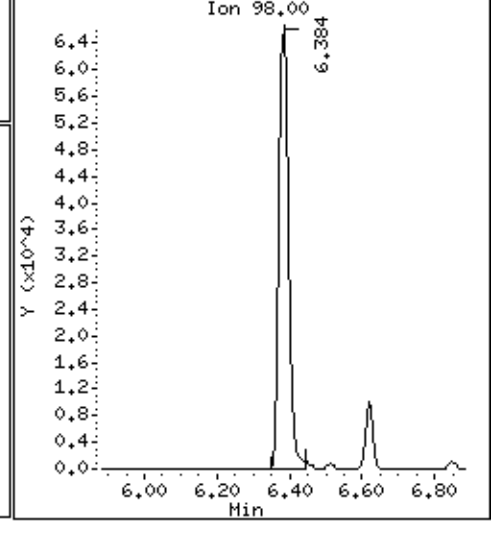












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

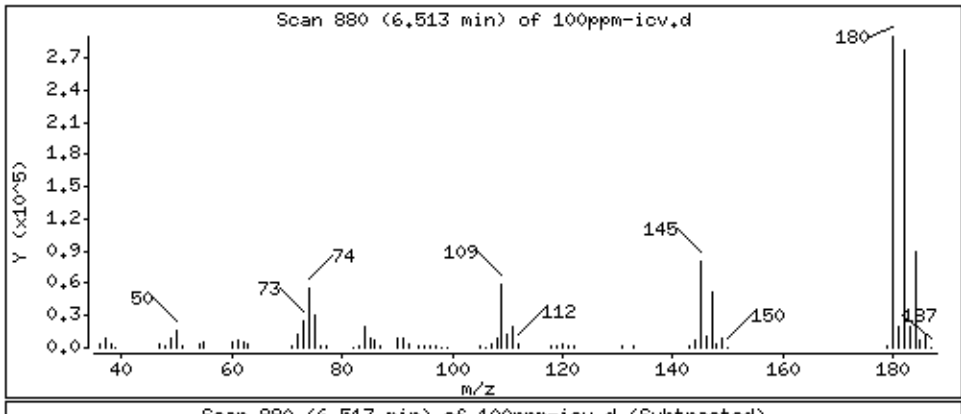
Operator: SN

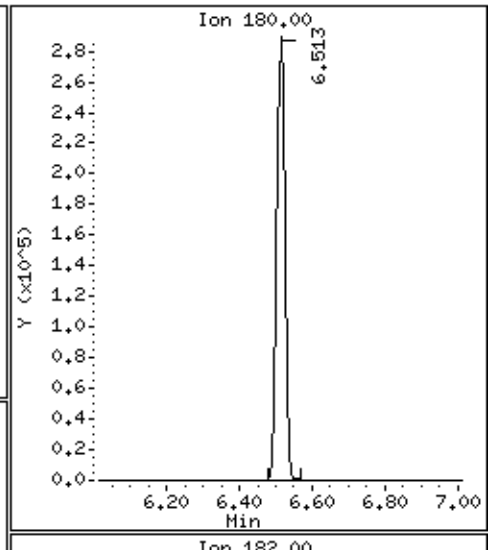
Column phase: .50um DB-5ms

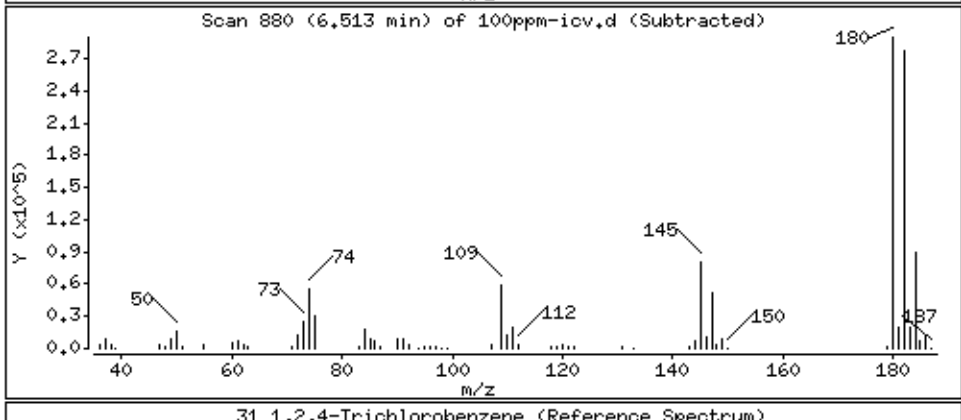
Column diameter: 0.25

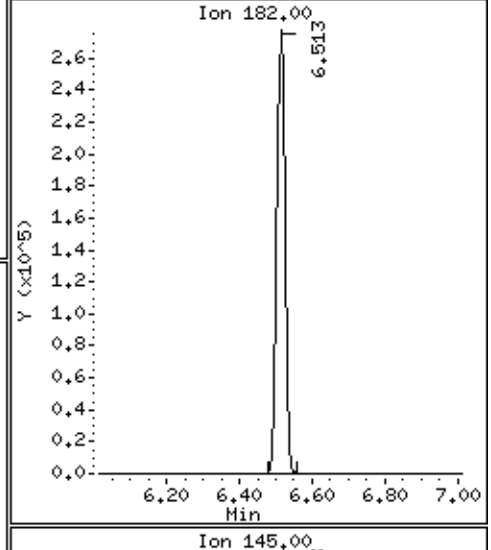
31 1,2,4-Trichlorobenzene

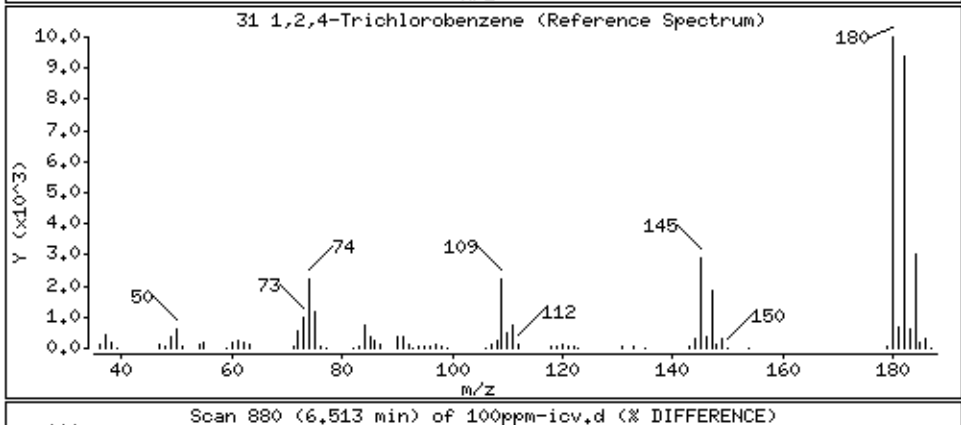
Concentration: 105.3 ug/L

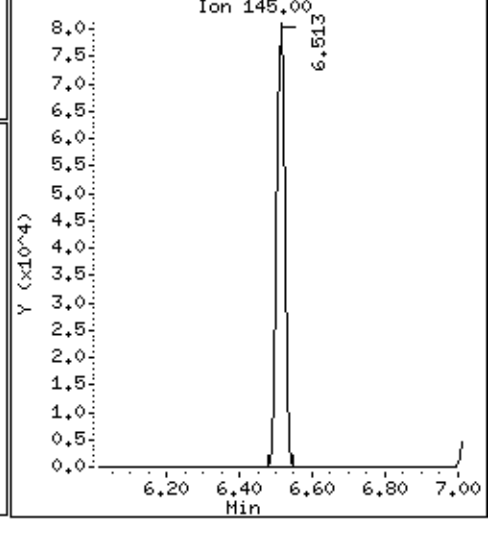


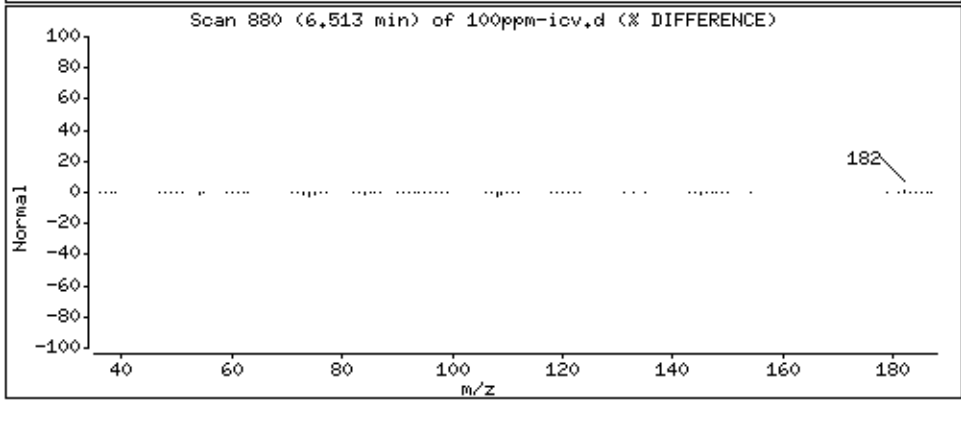












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

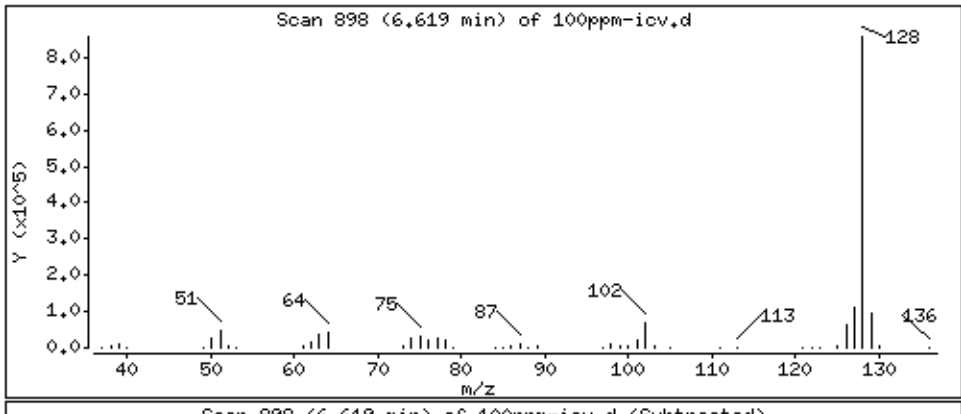
Operator: SN

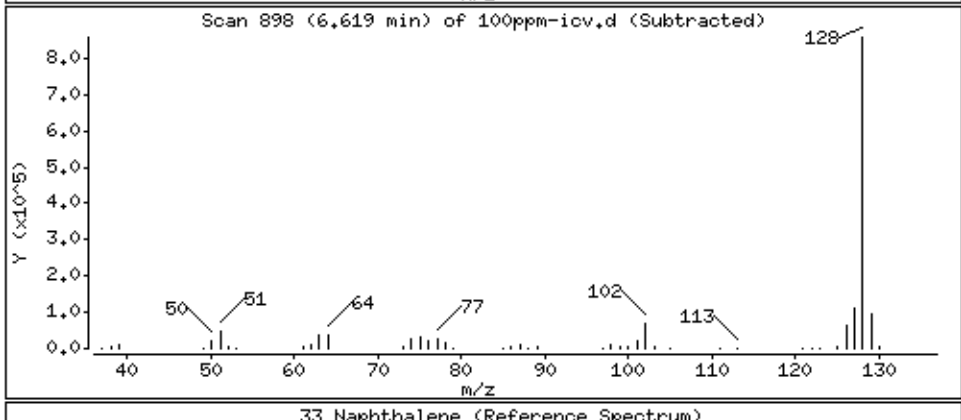
Column phase: .50um DB-5ms

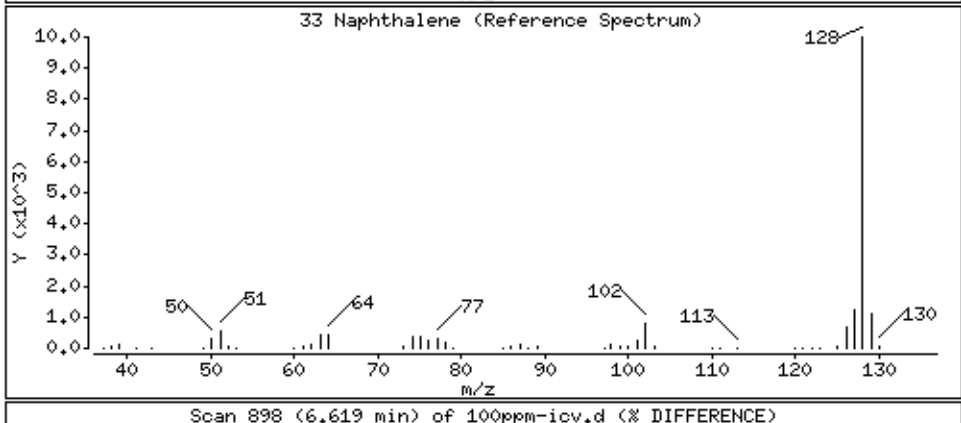
Column diameter: 0.25

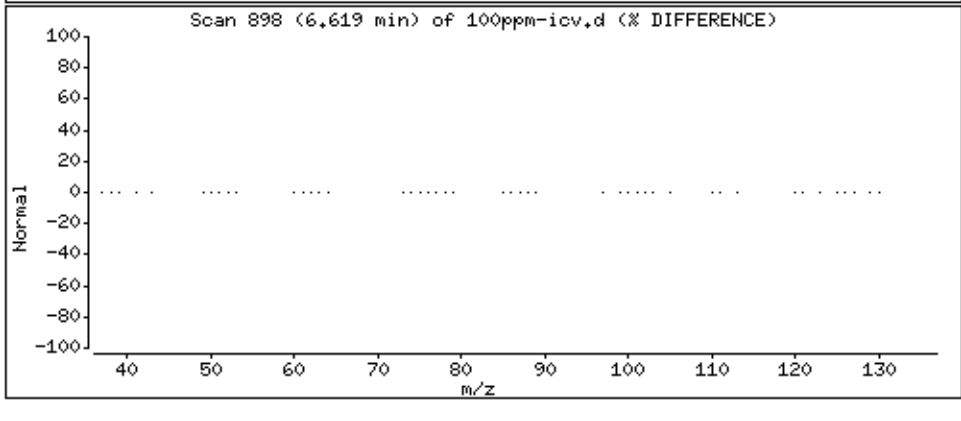
33 Naphthalene

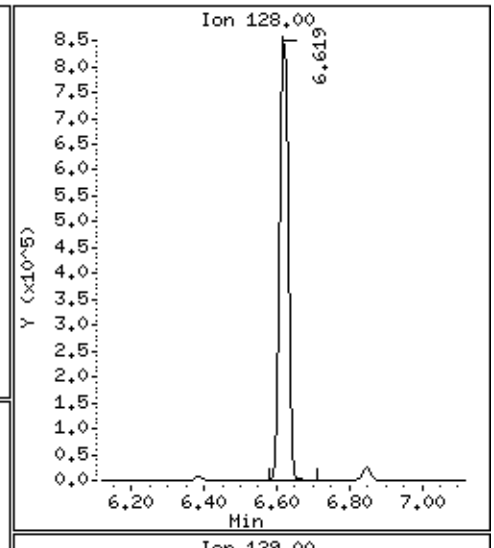
Concentration: 103.3 ug/L

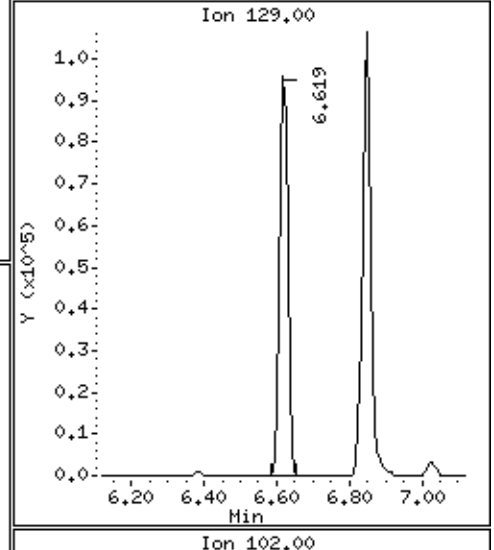


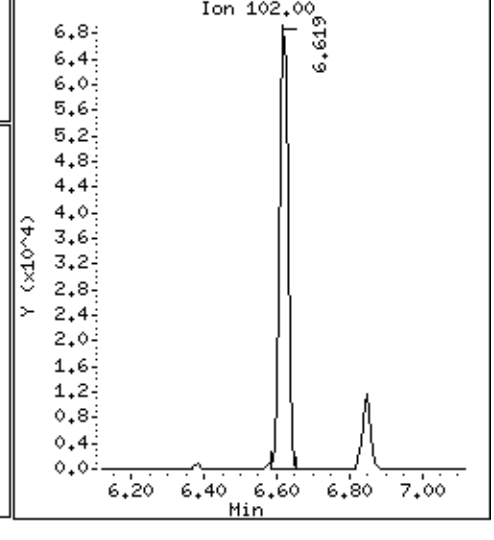












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

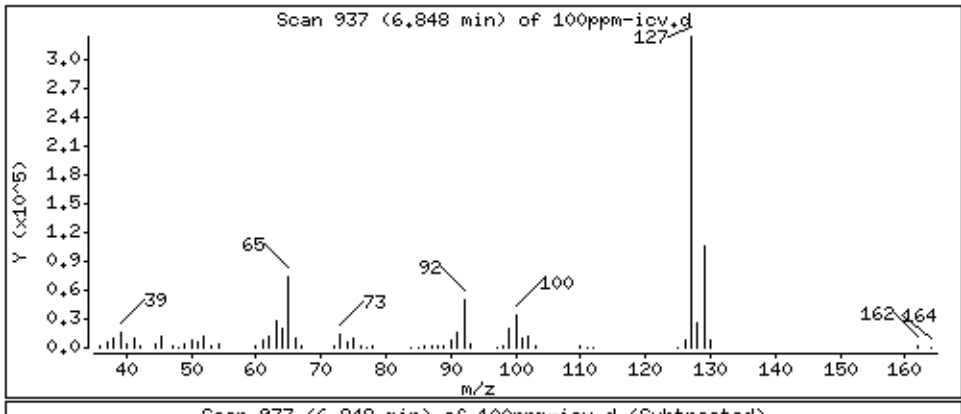
Operator: SN

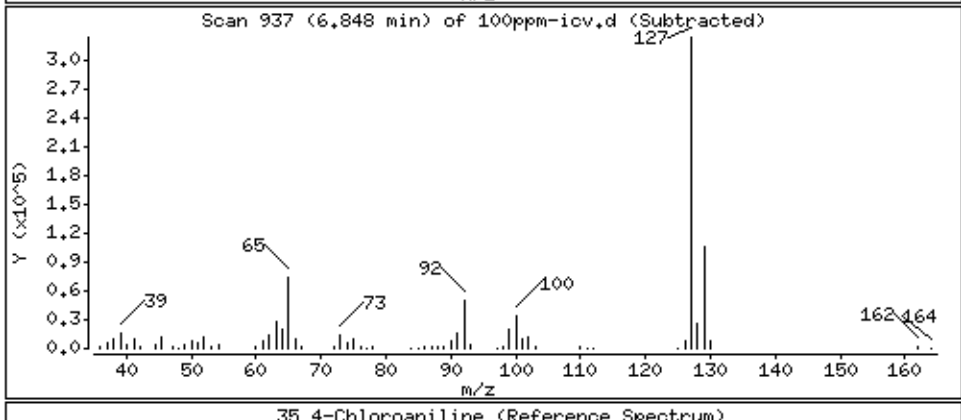
Column phase: .50um DB-5ms

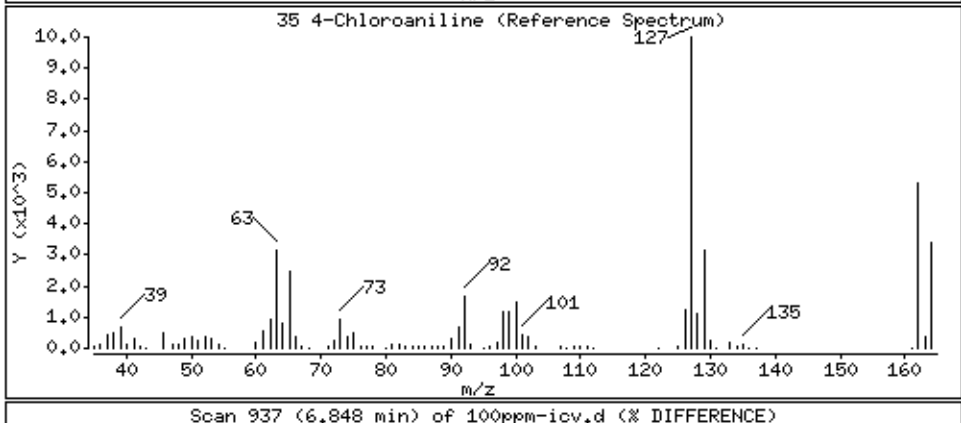
Column diameter: 0.25

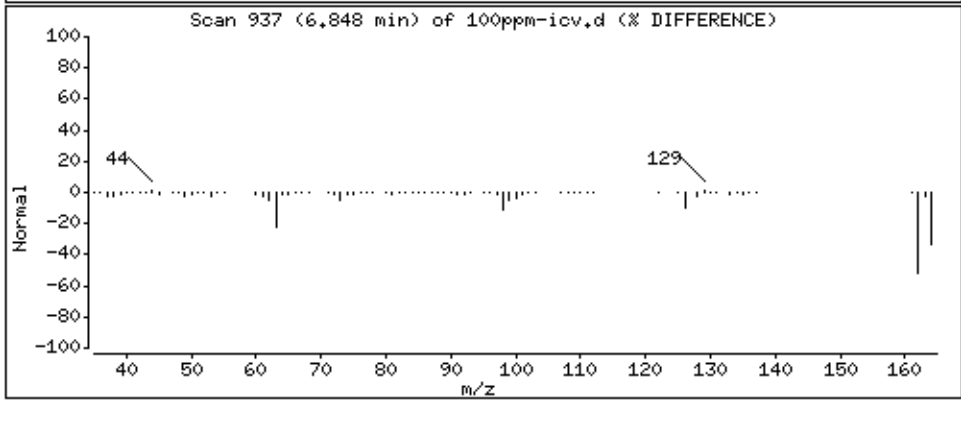
35 4-Chloroaniline

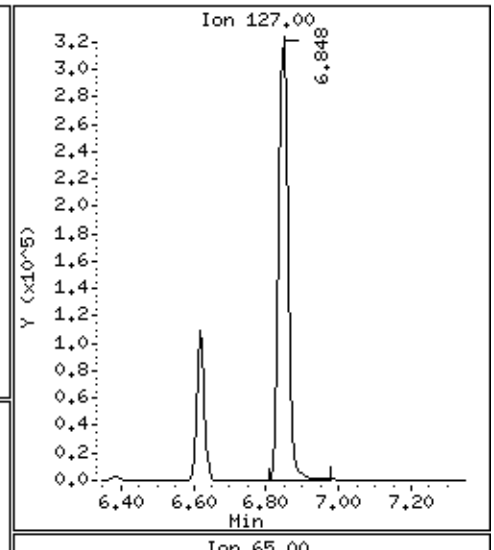
Concentration: 108.0 ug/L

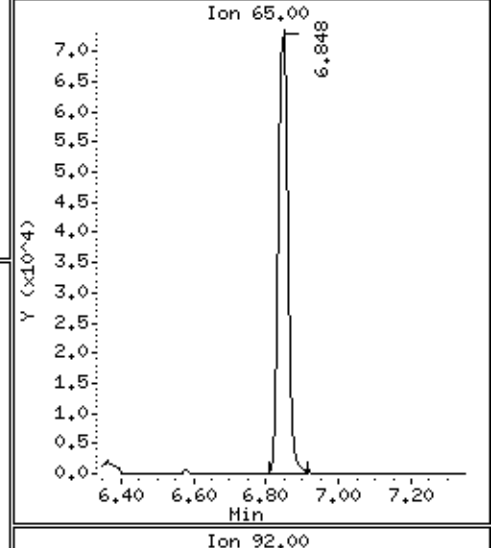


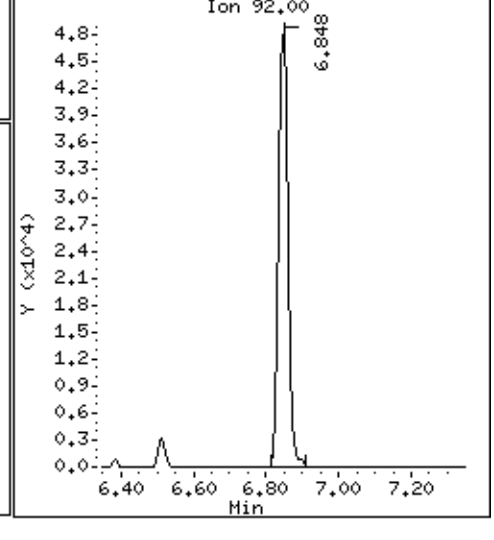












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

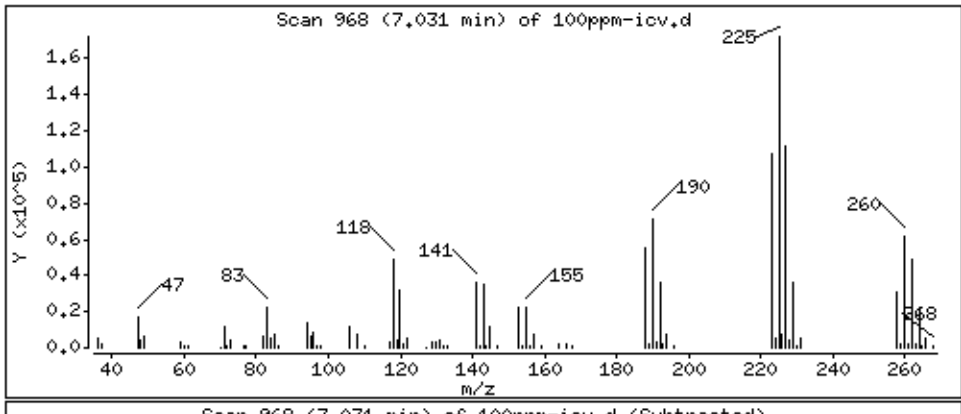
Operator: SN

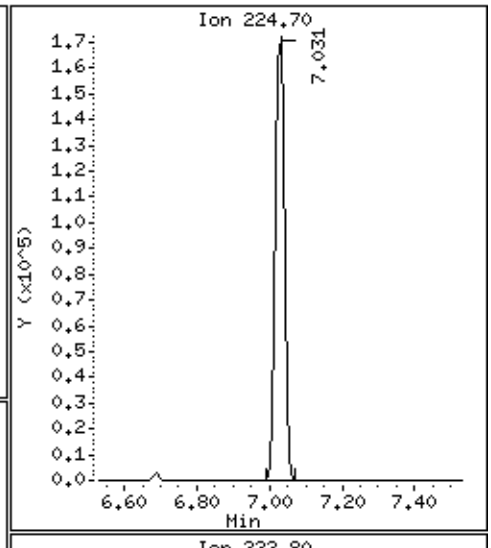
Column phase: .50um DB-5ms

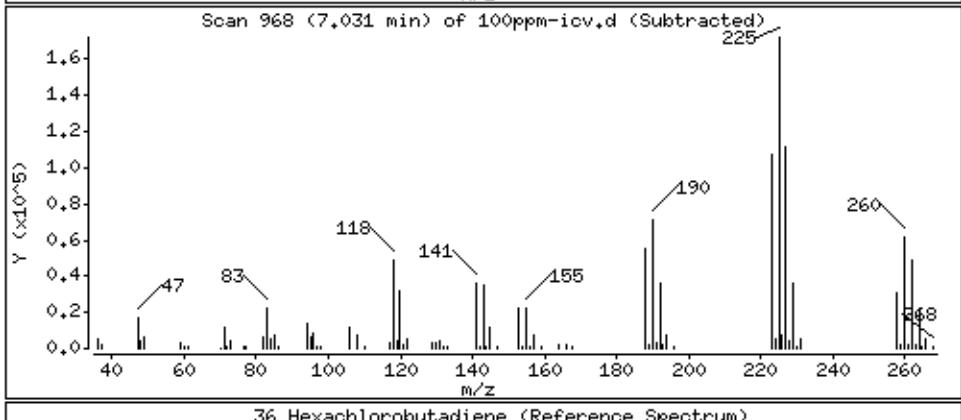
Column diameter: 0.25

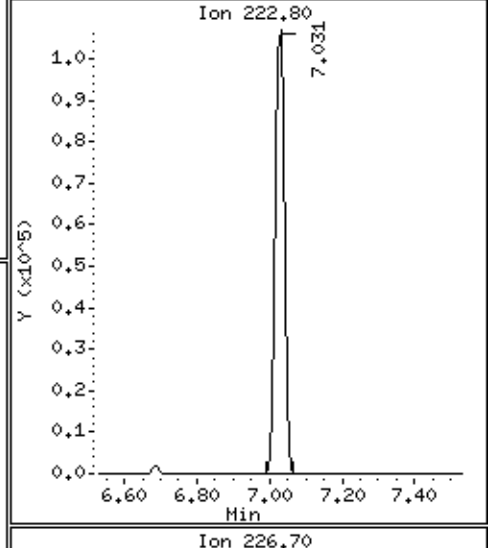
36 Hexachlorobutadiene

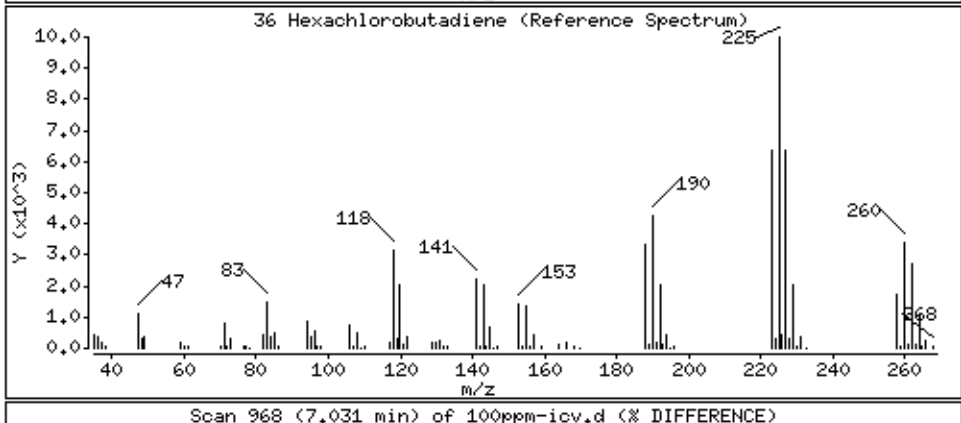
Concentration: 114.0 ug/L

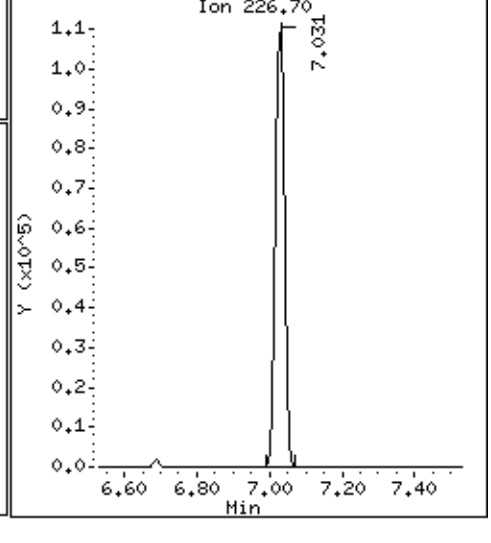


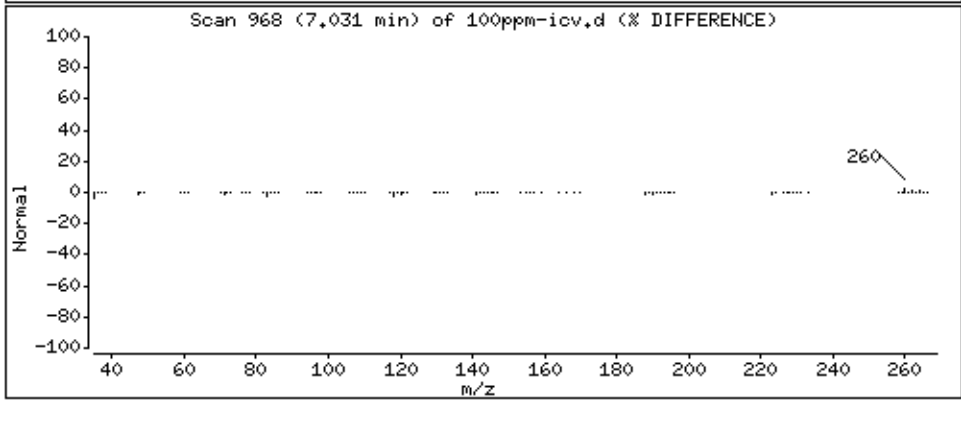












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

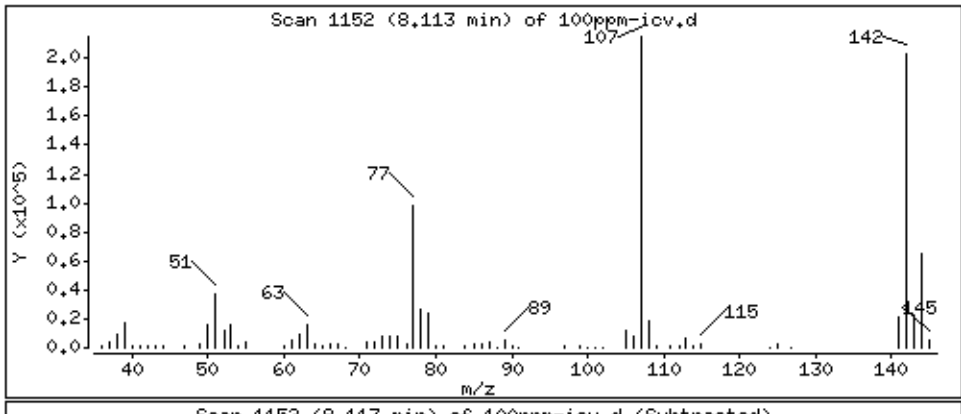
Operator: SN

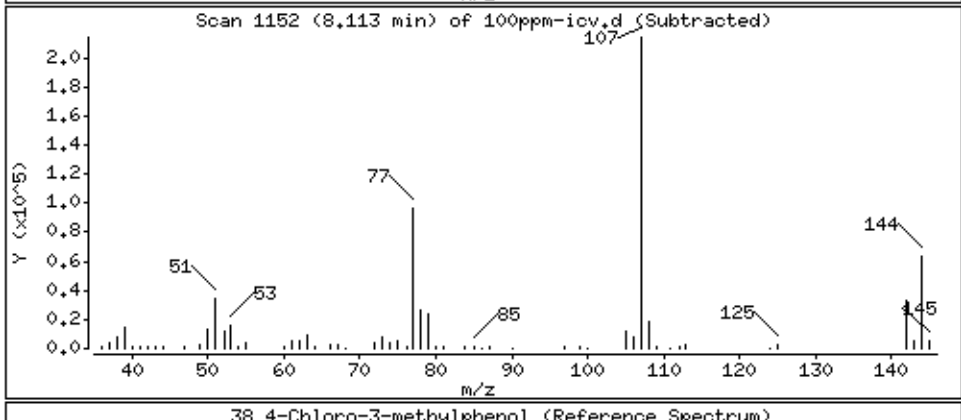
Column phase: .50um DB-5ms

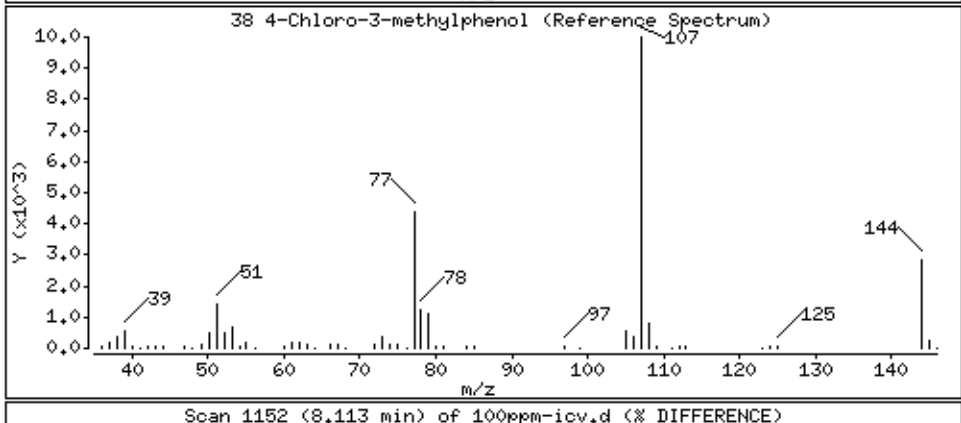
Column diameter: 0.25

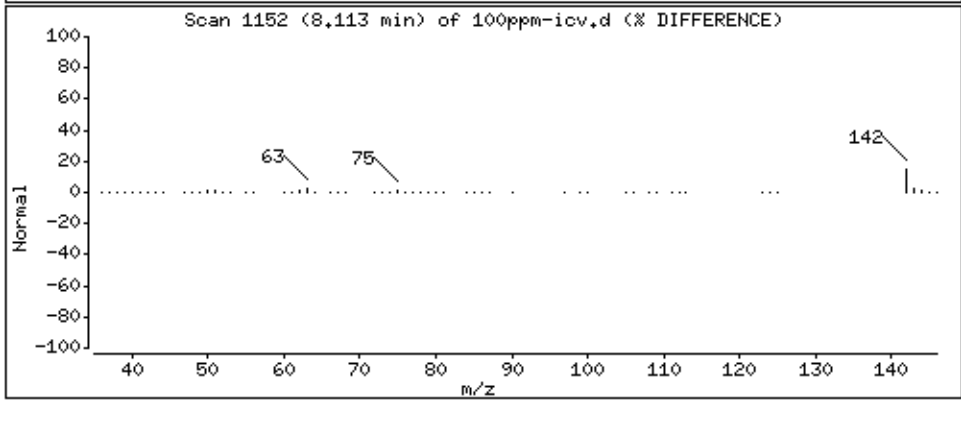
38 4-Chloro-3-methylphenol

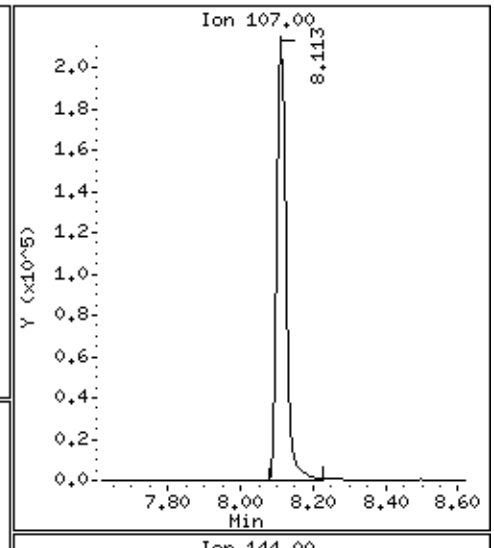
Concentration: 105.1 ug/L

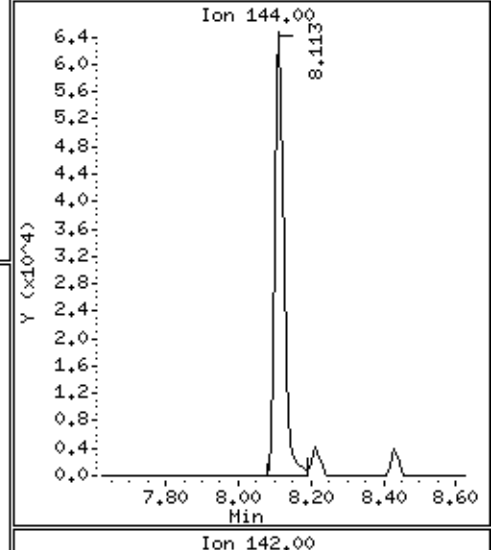


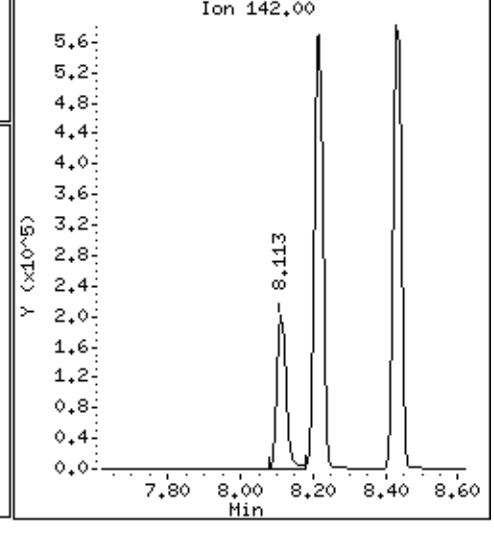












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

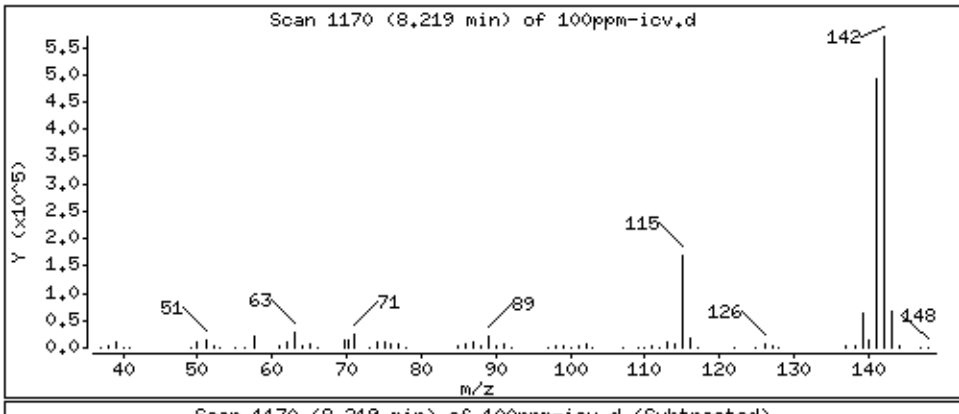
Operator: SN

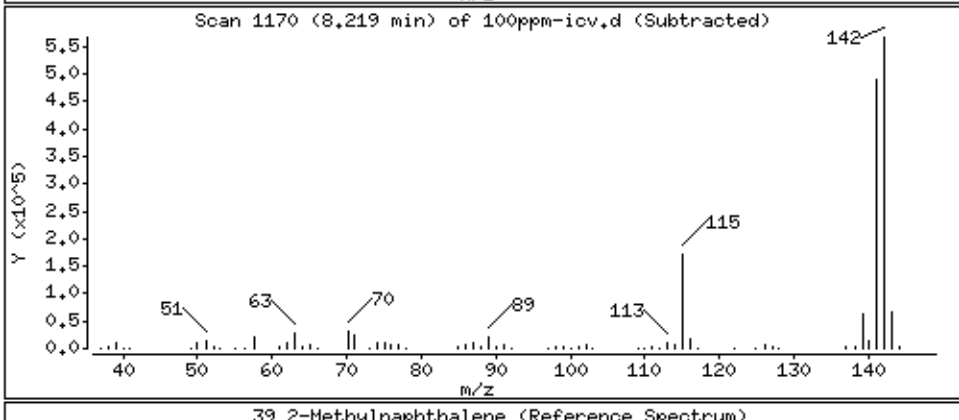
Column phase: .50um DB-5ms

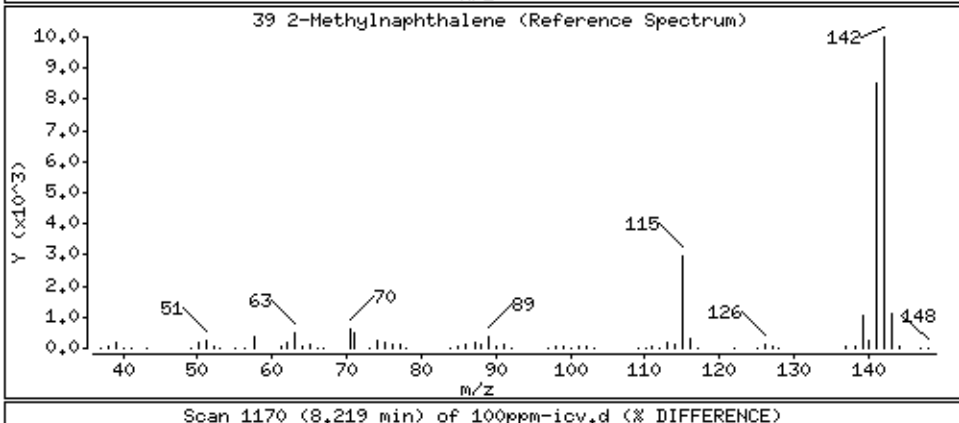
Column diameter: 0.25

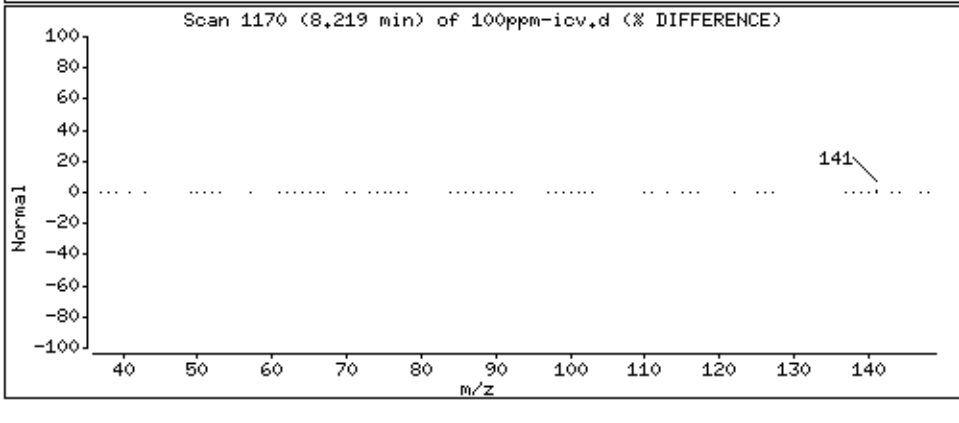
39 2-Methylnaphthalene

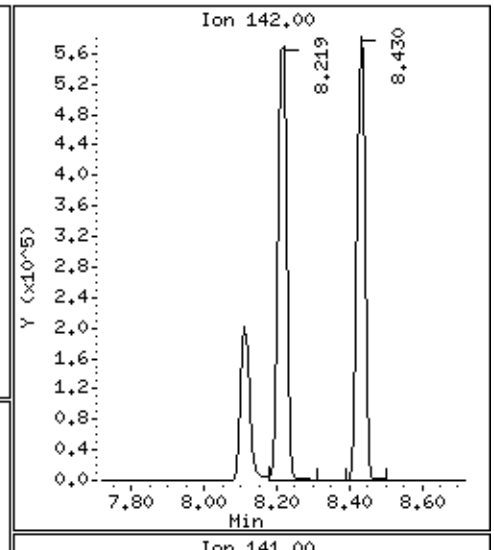
Concentration: 99.74 ug/L

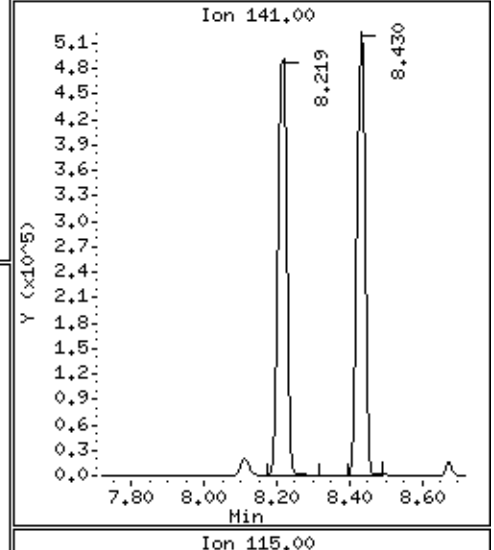


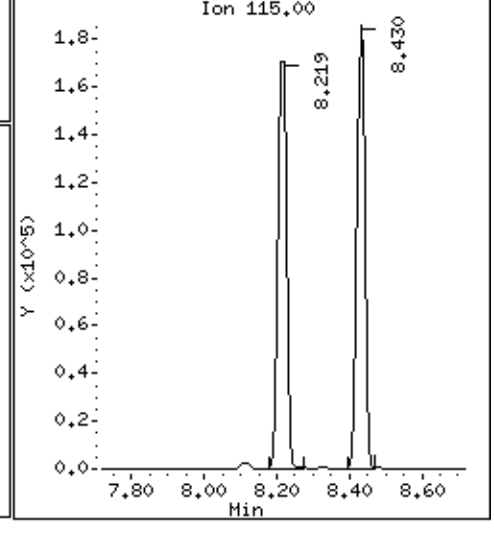












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

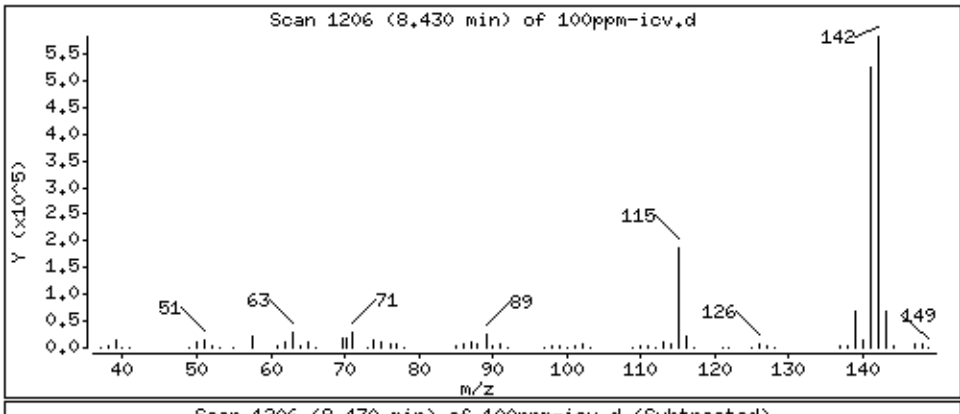
Operator: SN

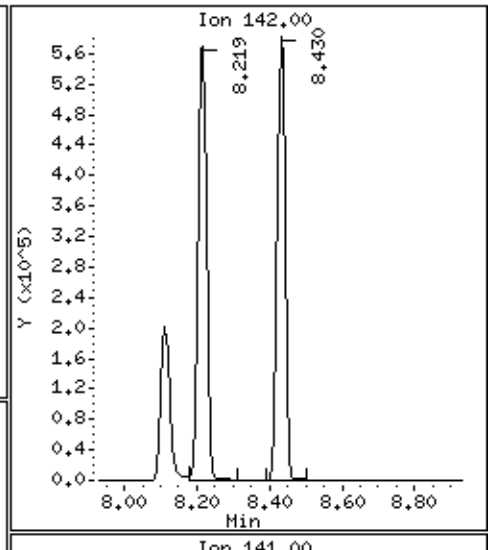
Column phase: .50um DB-5ms

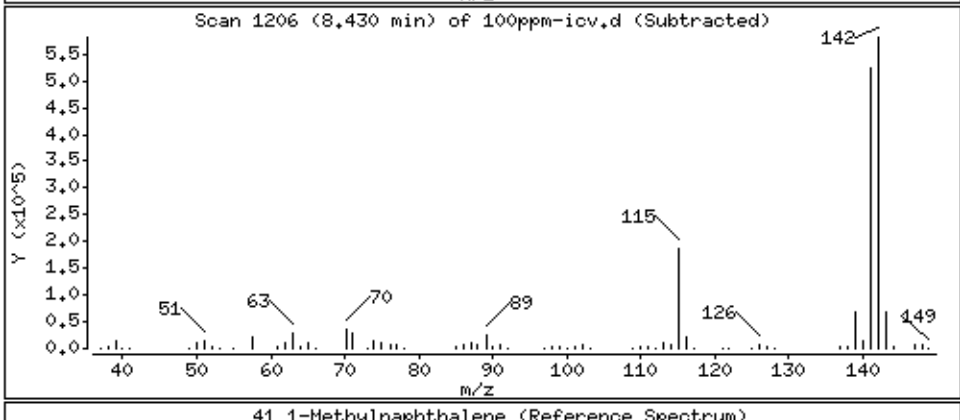
Column diameter: 0.25

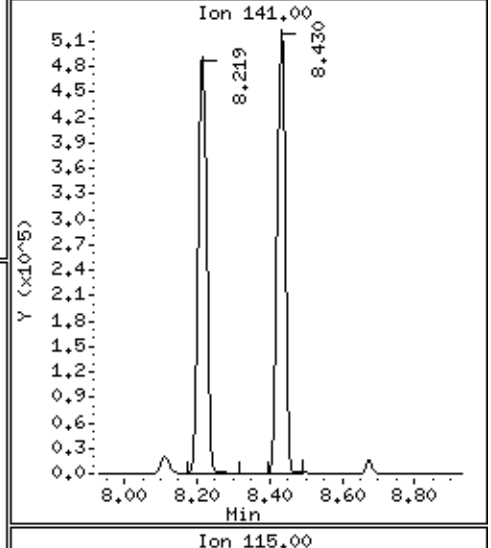
41 1-Methylnaphthalene

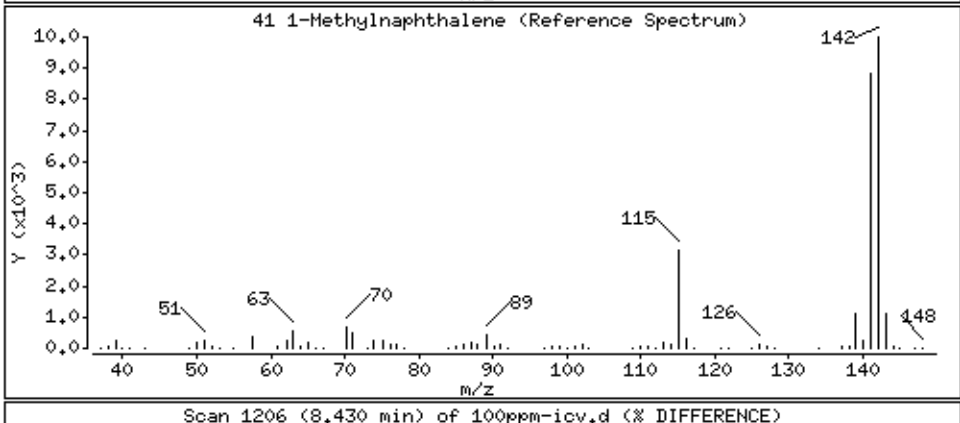
Concentration: 98.44 ug/L

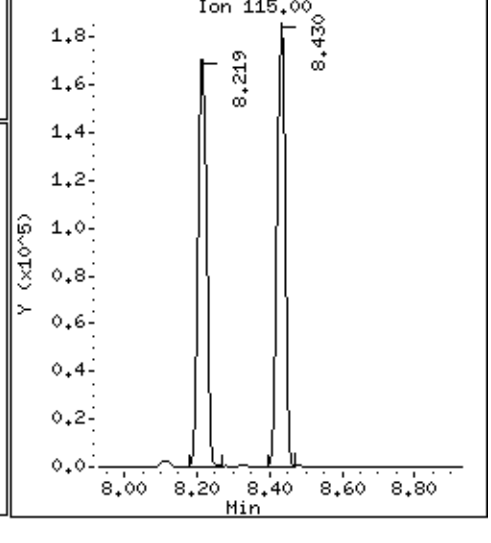


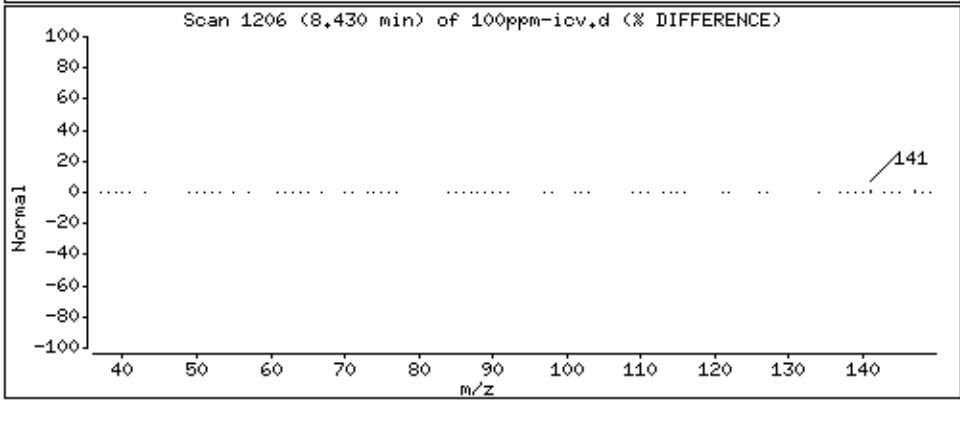












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

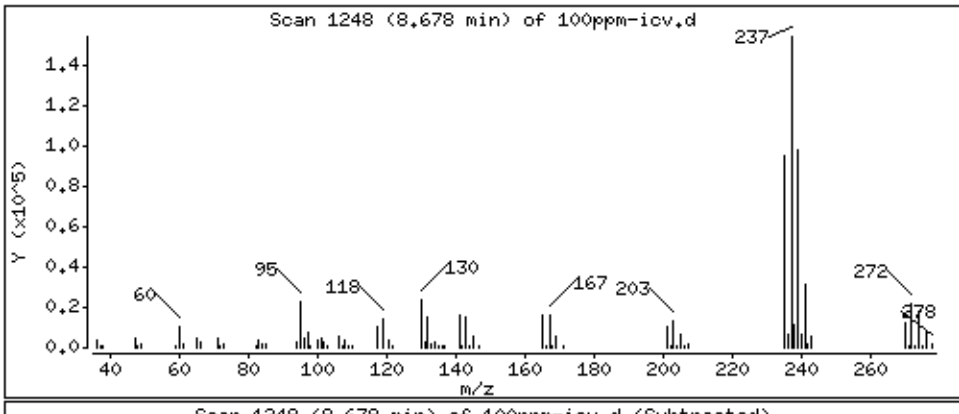
Operator: SN

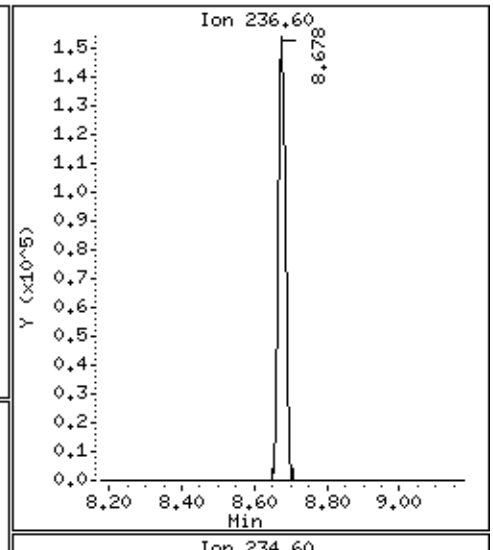
Column phase: .50um DB-5ms

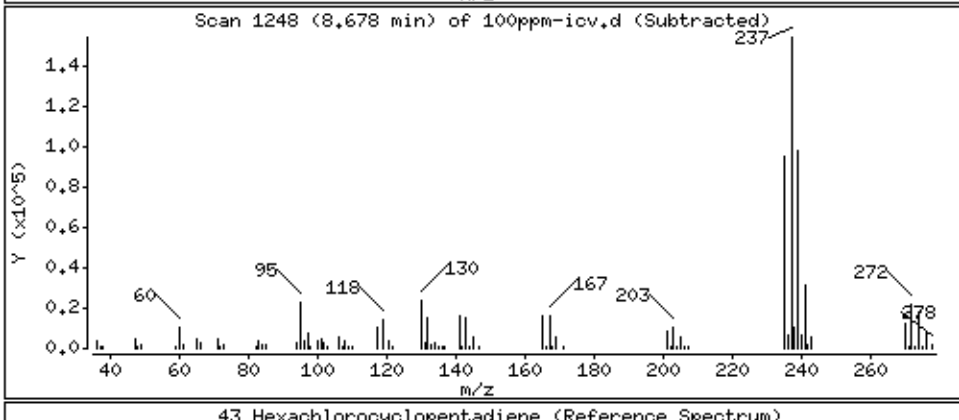
Column diameter: 0.25

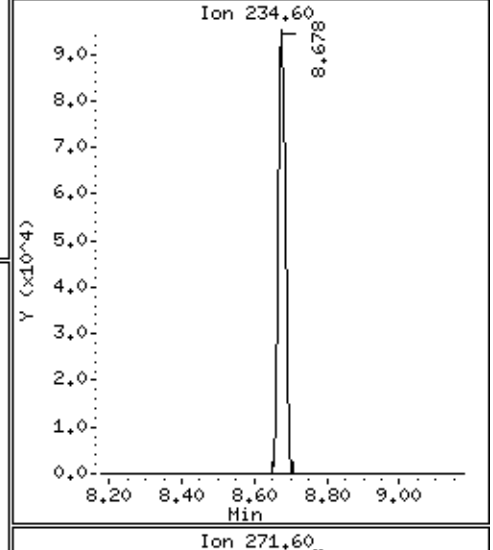
43 Hexachlorocyclopentadiene

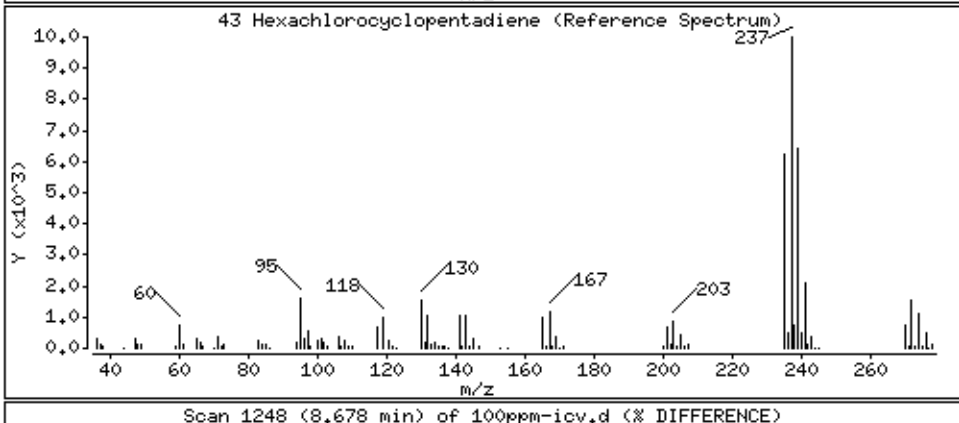
Concentration: 97.67 ug/L

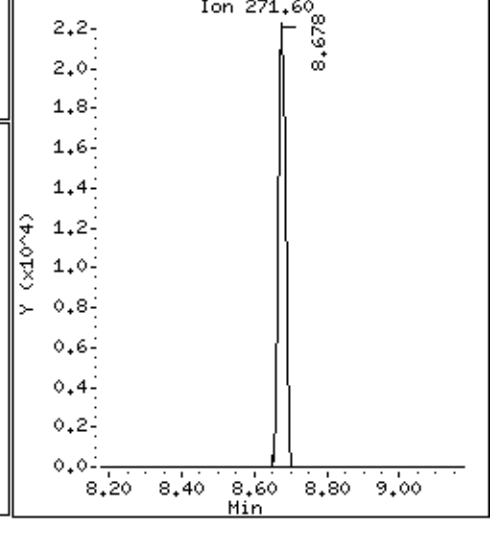


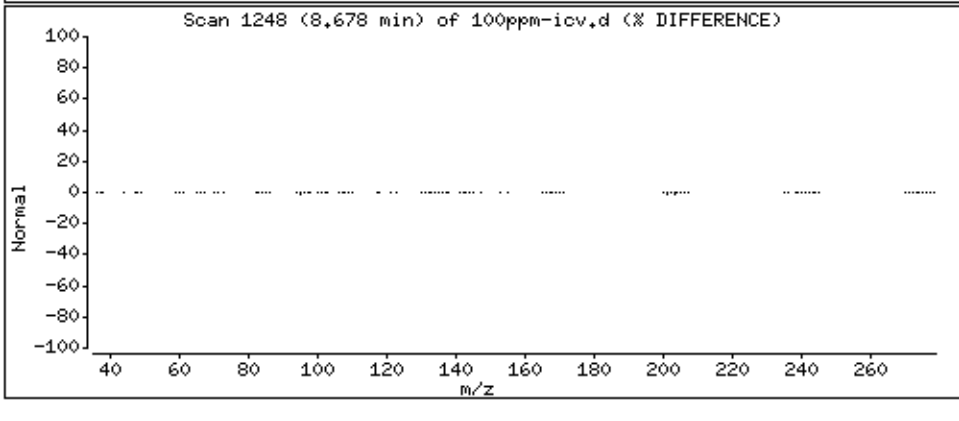












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

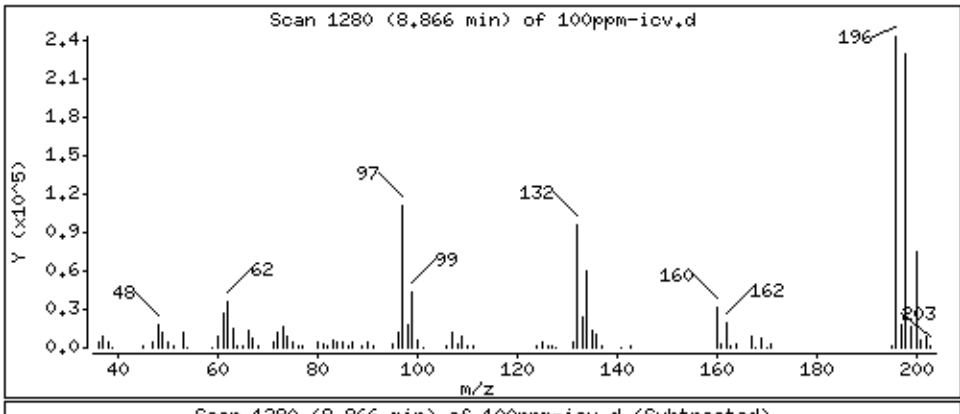
Operator: SN

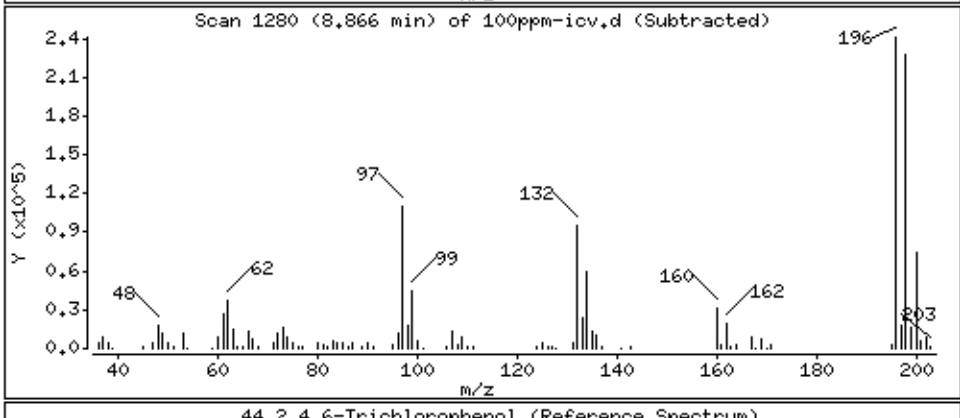
Column phase: .50um DB-5ms

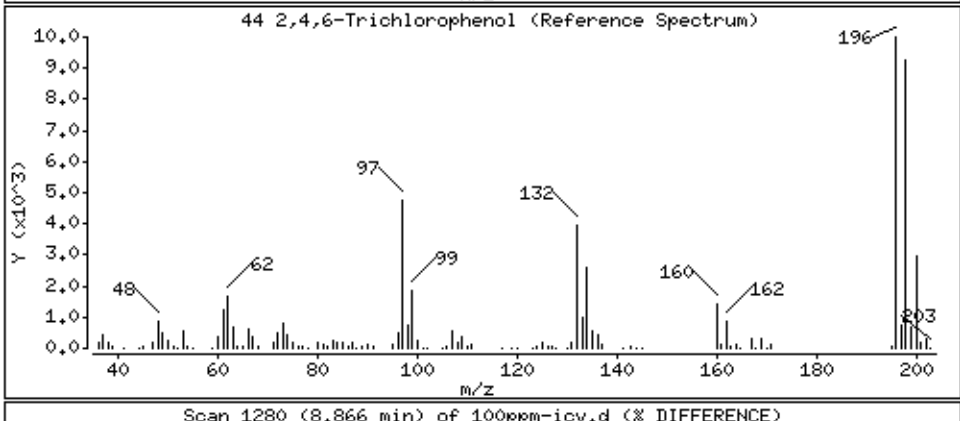
Column diameter: 0.25

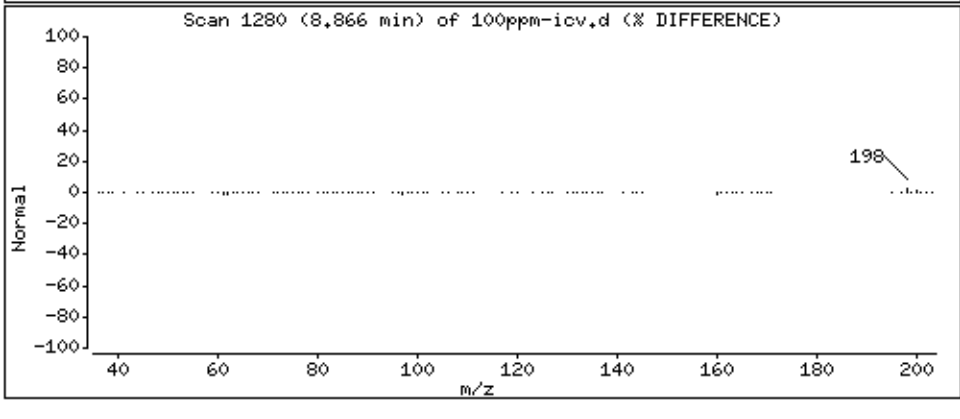
44 2,4,6-Trichlorophenol

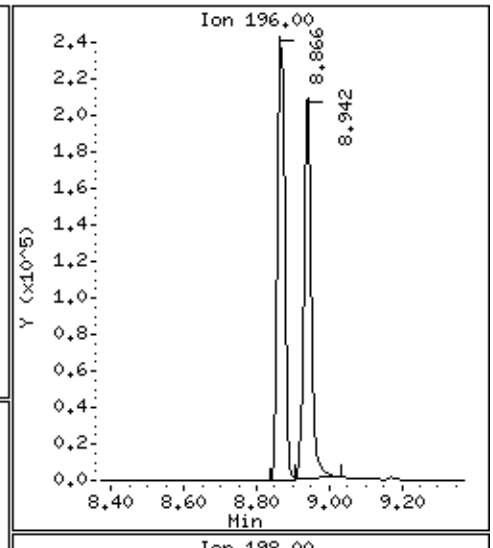
Concentration: 102.7 ug/L

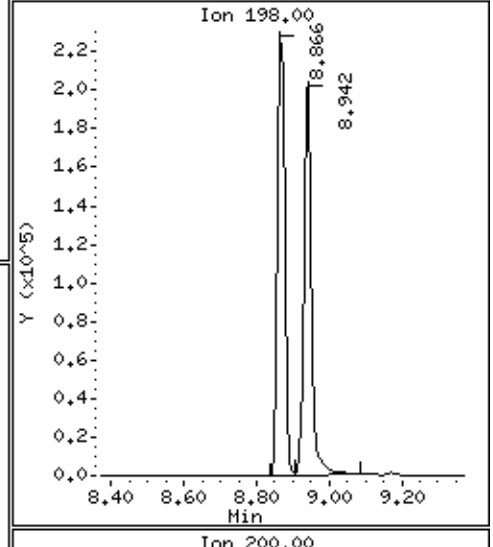


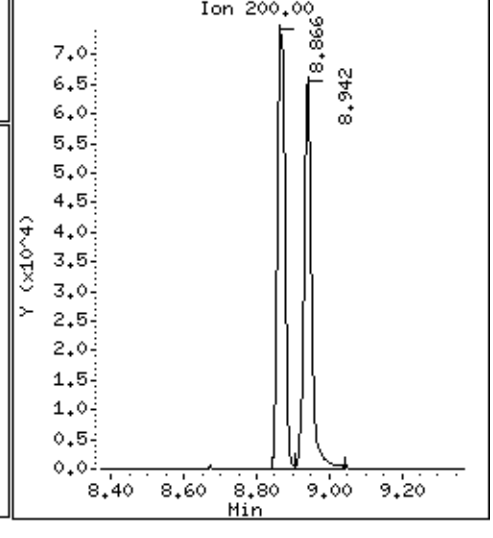












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

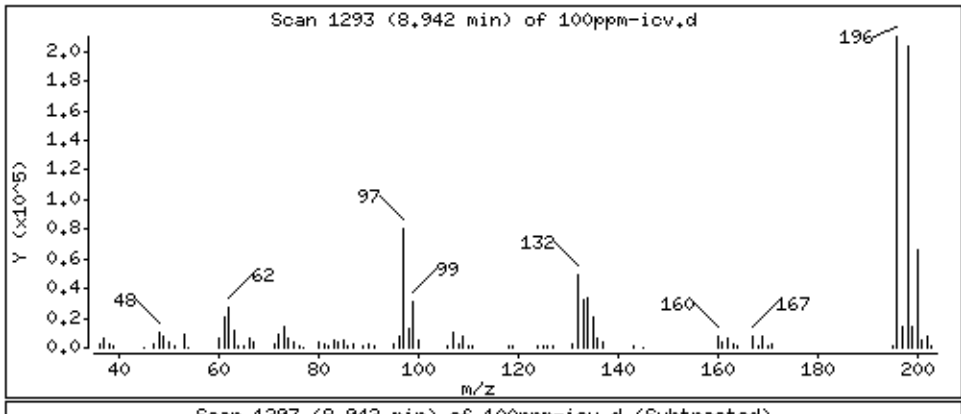
Operator: SN

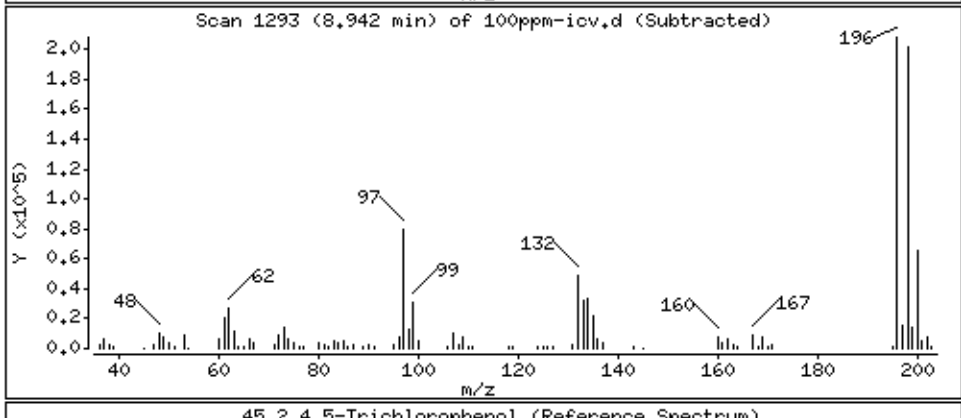
Column phase: .50um DB-5ms

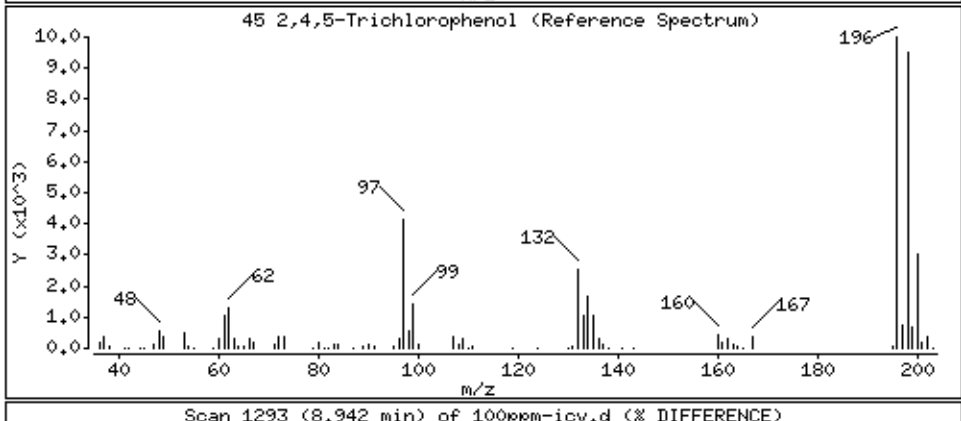
Column diameter: 0.25

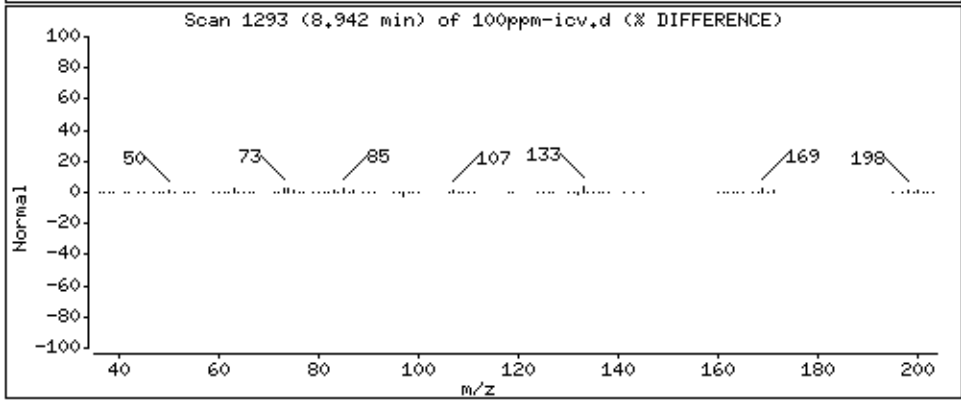
45 2,4,5-Trichlorophenol

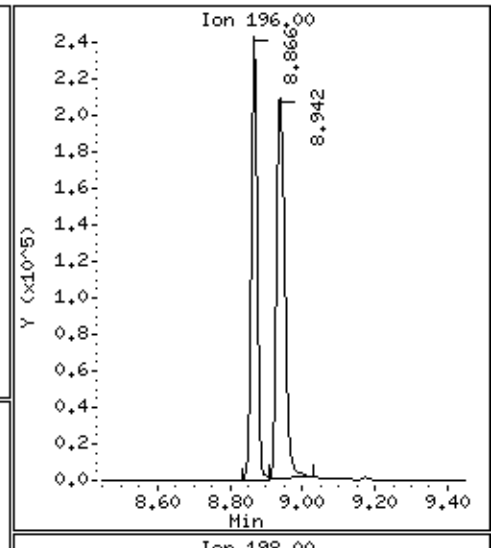
Concentration: 102.0 ug/L

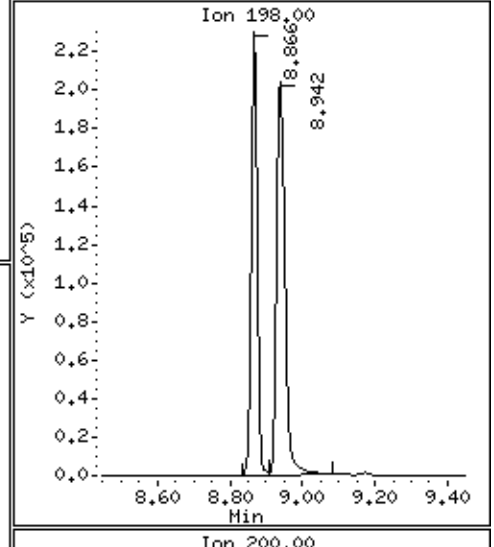


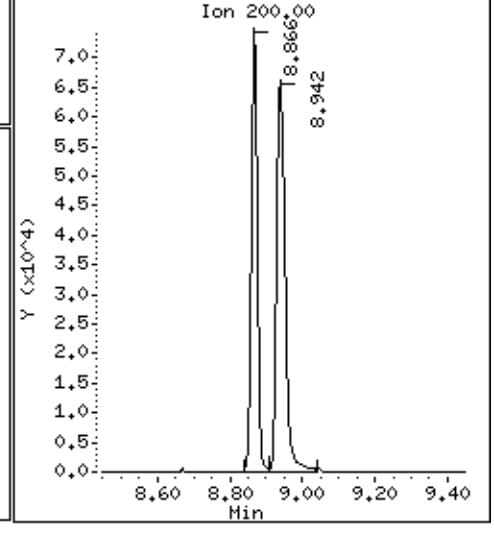












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

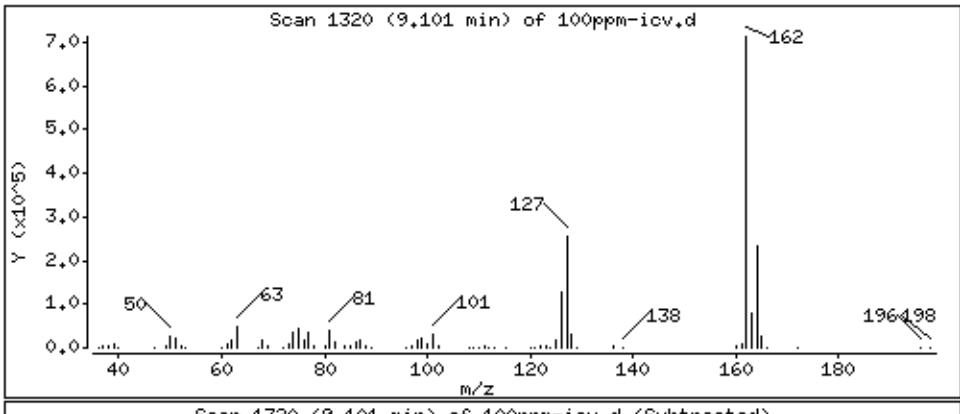
Operator: SN

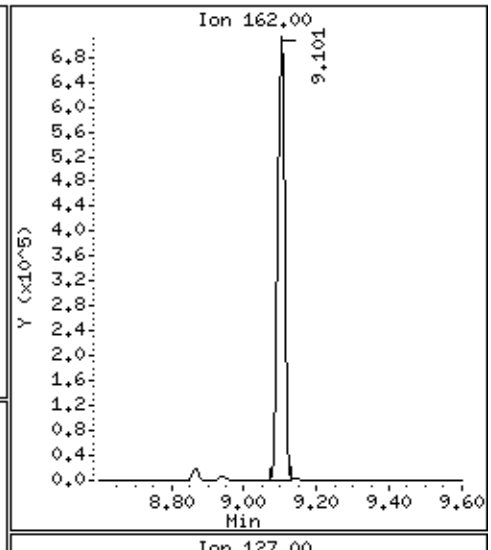
Column phase: .50um DB-5ms

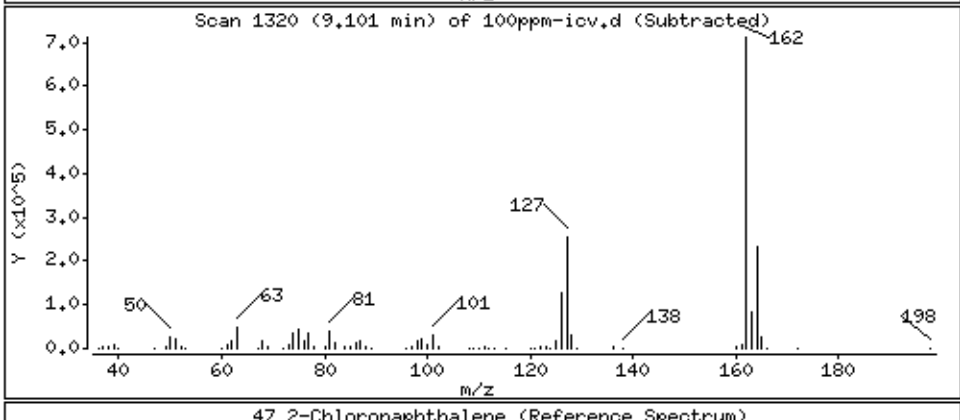
Column diameter: 0.25

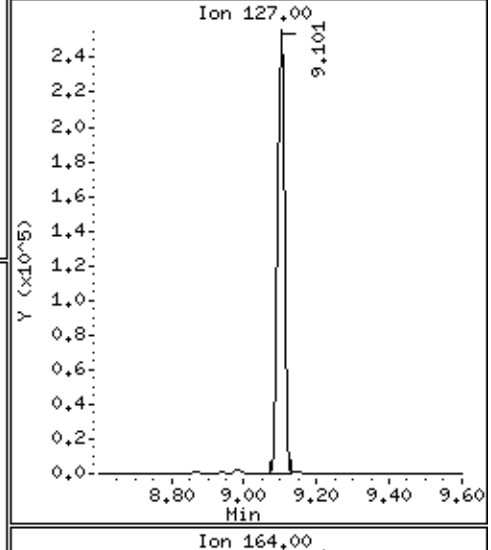
47 2-Chloronaphthalene

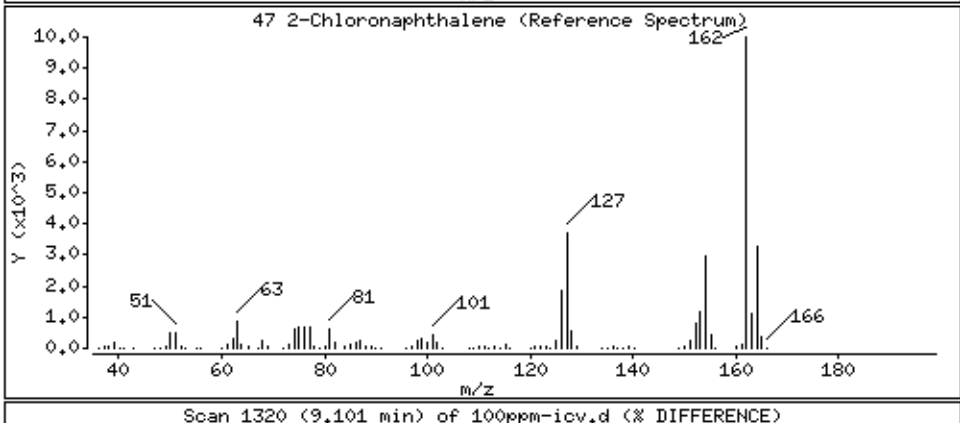
Concentration: 105.3 ug/L

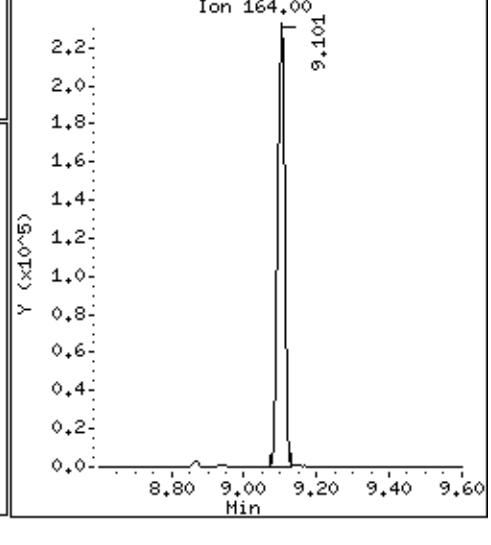


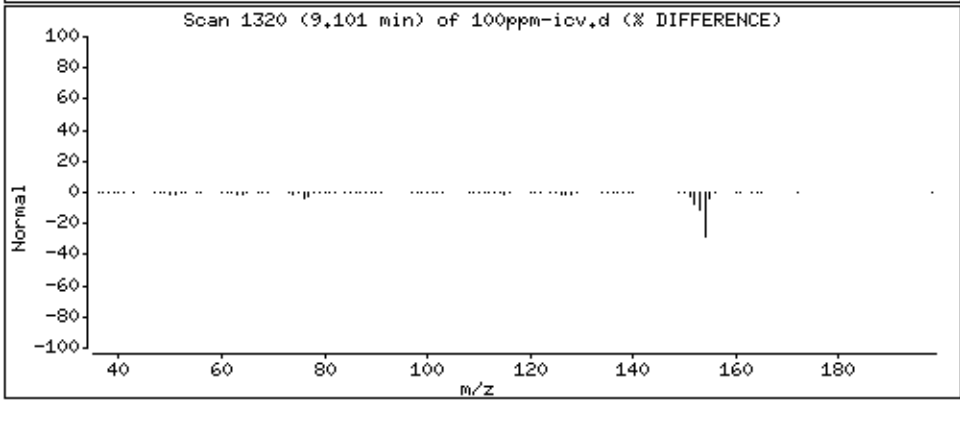












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

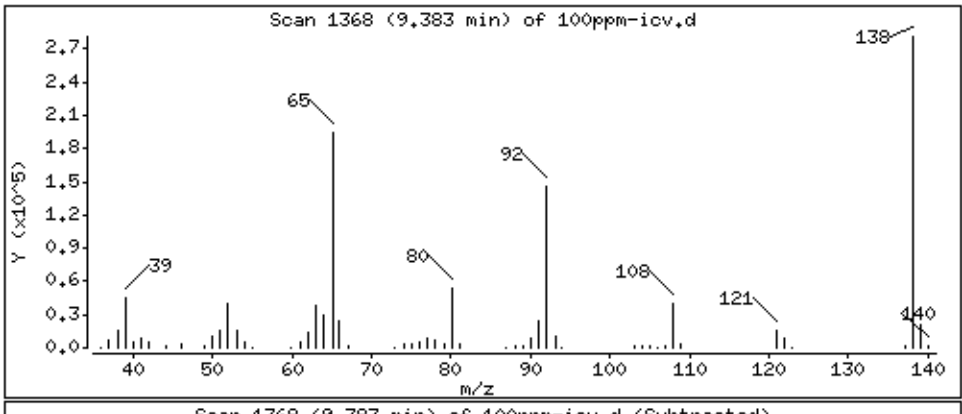
Operator: SN

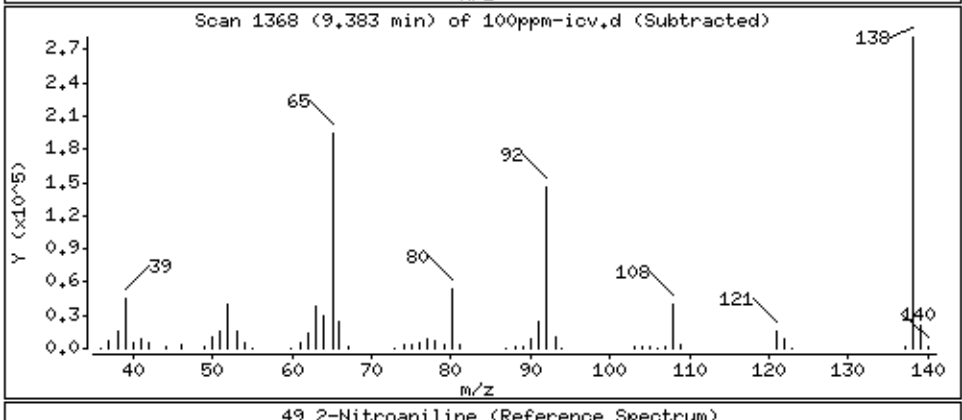
Column phase: .50um DB-5ms

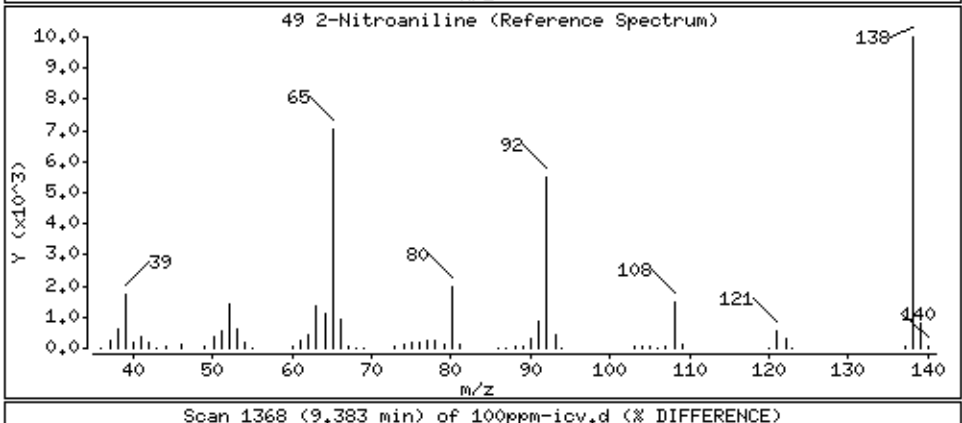
Column diameter: 0.25

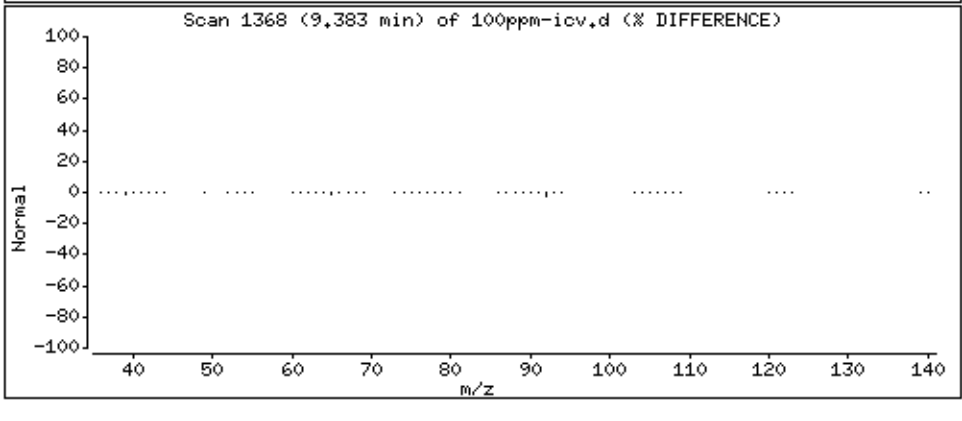
49 2-Nitroaniline

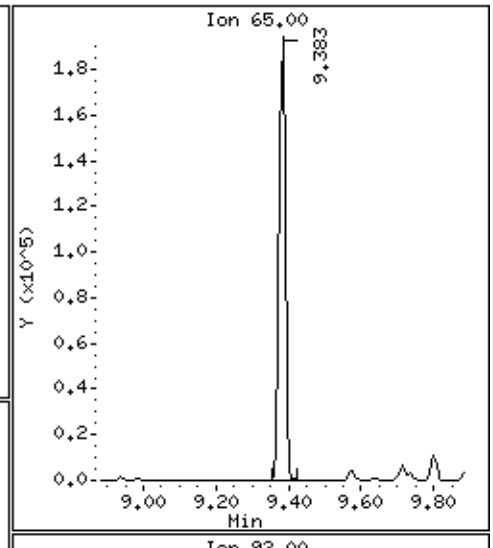
Concentration: 110.3 ug/L

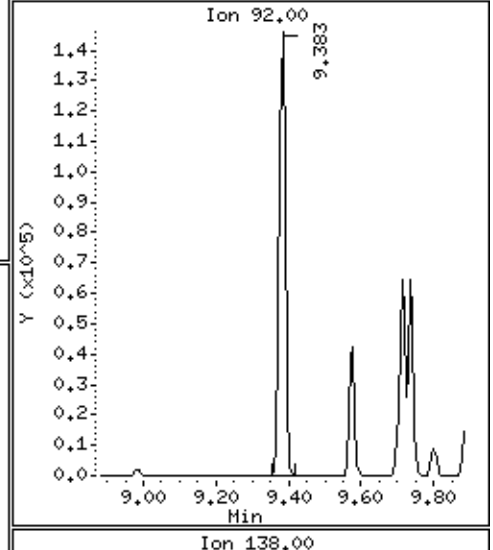


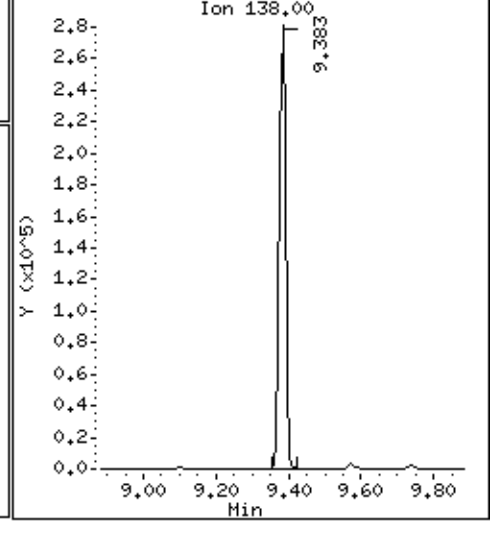












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

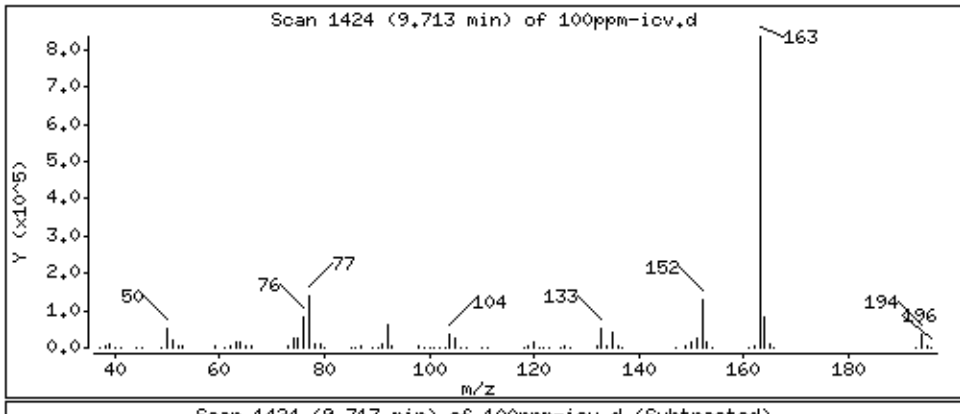
Operator: SN

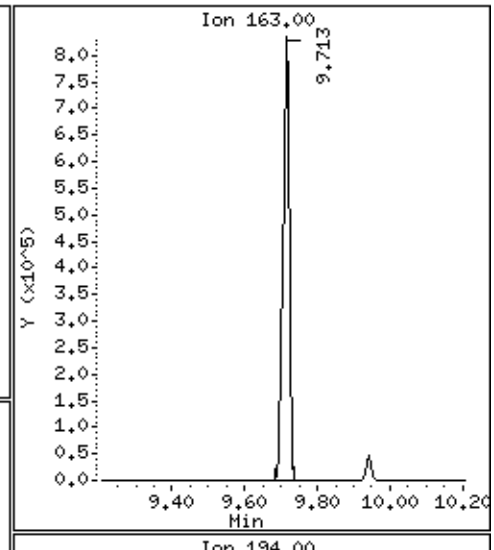
Column phase: .50um DB-5ms

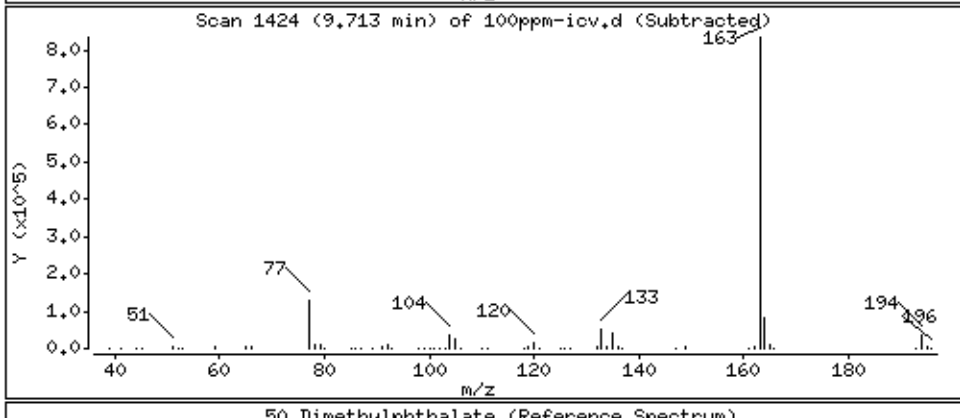
Column diameter: 0.25

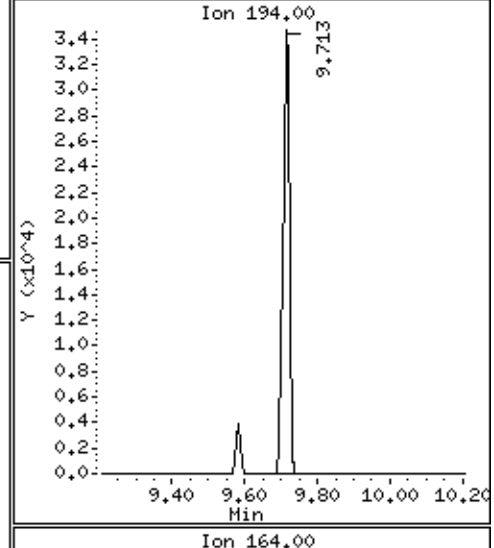
50 Dimethylphthalate

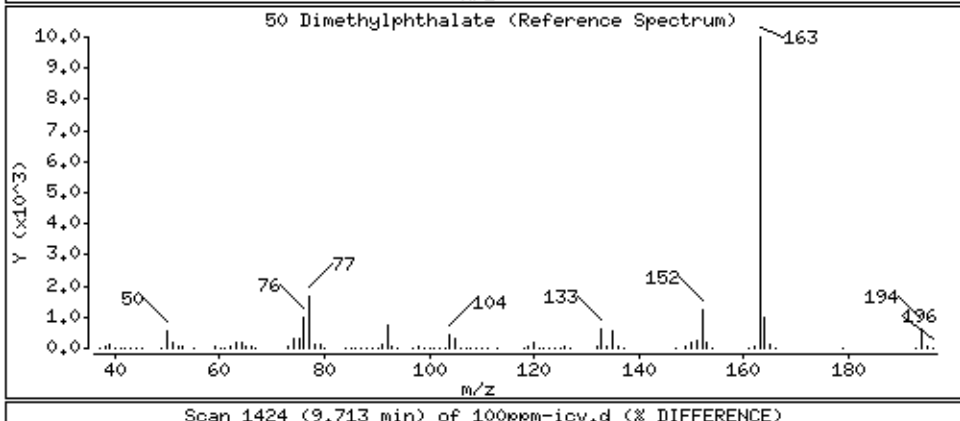
Concentration: 99.08 ug/L

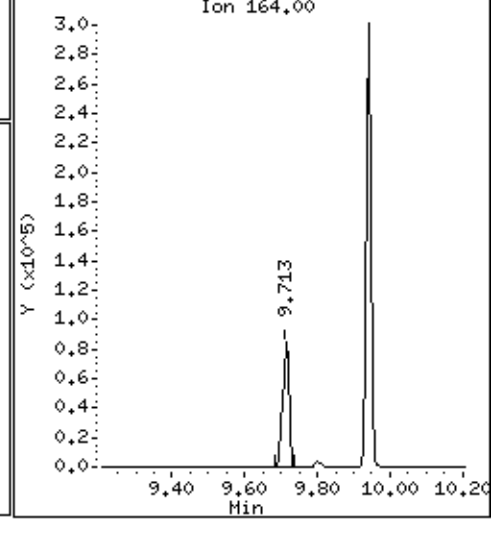


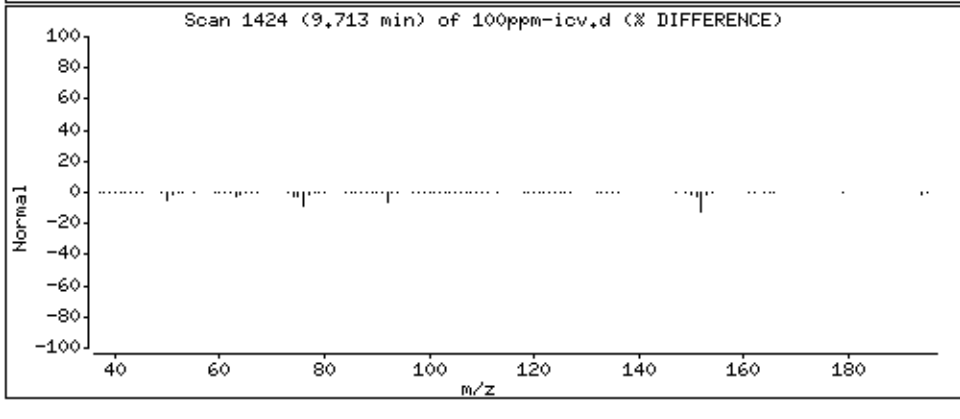












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

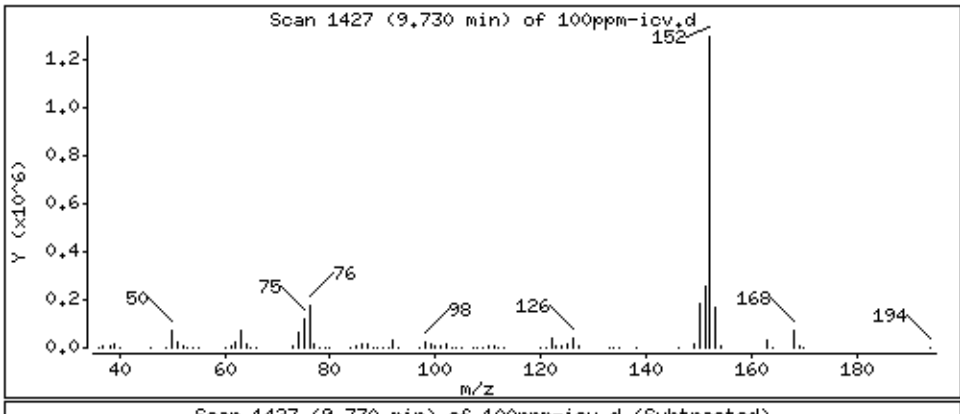
Operator: SN

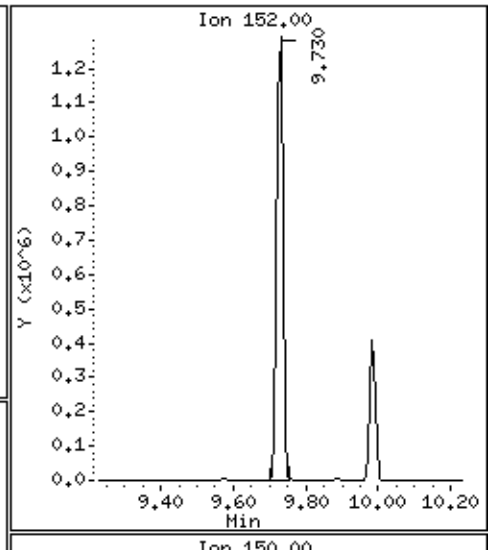
Column phase: .50um DB-5ms

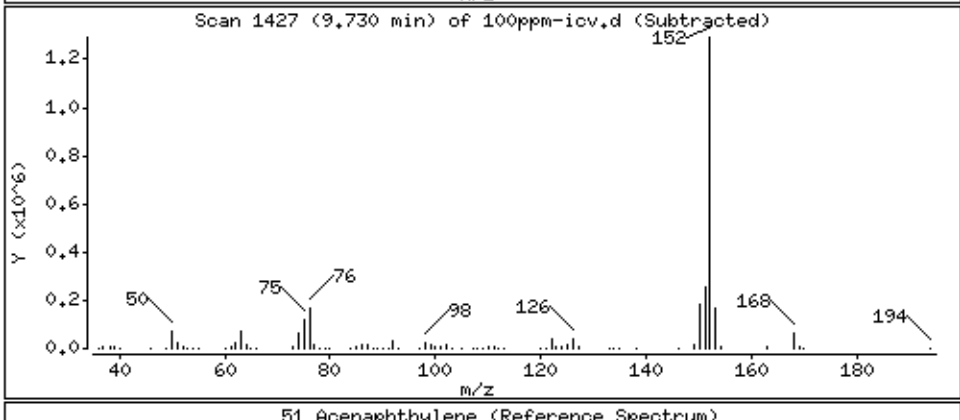
Column diameter: 0.25

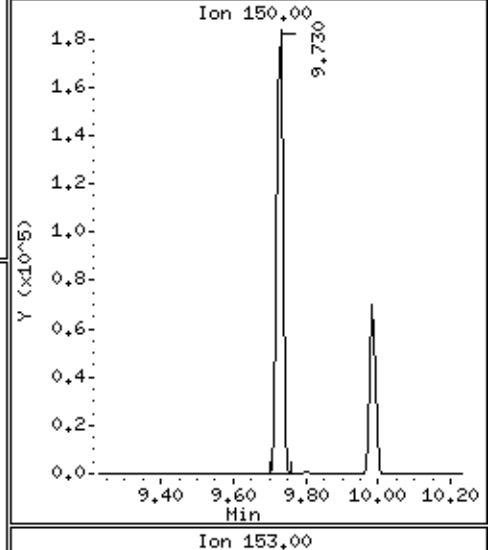
51 Acenaphthylene

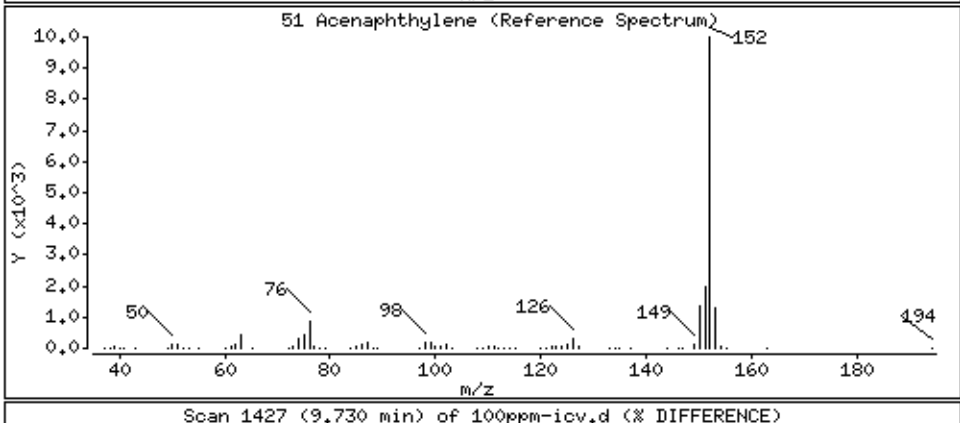
Concentration: 97.05 ug/L

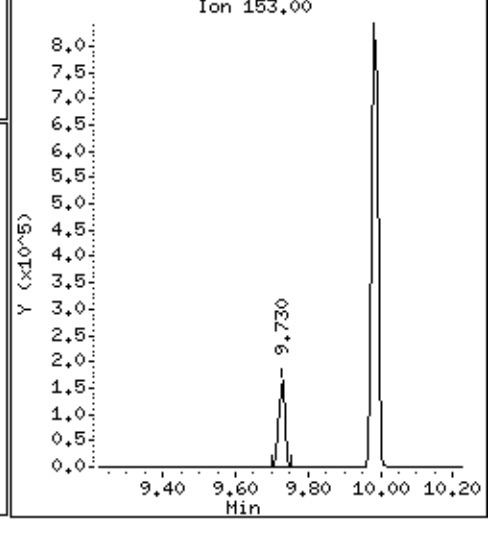


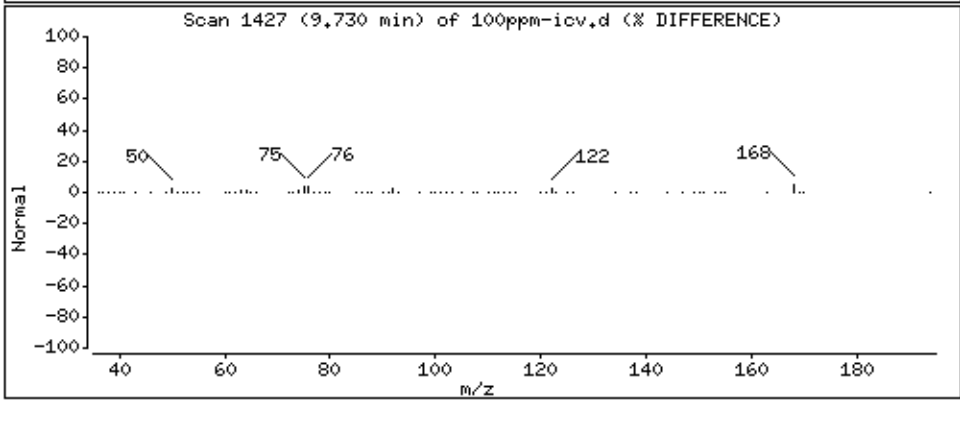












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

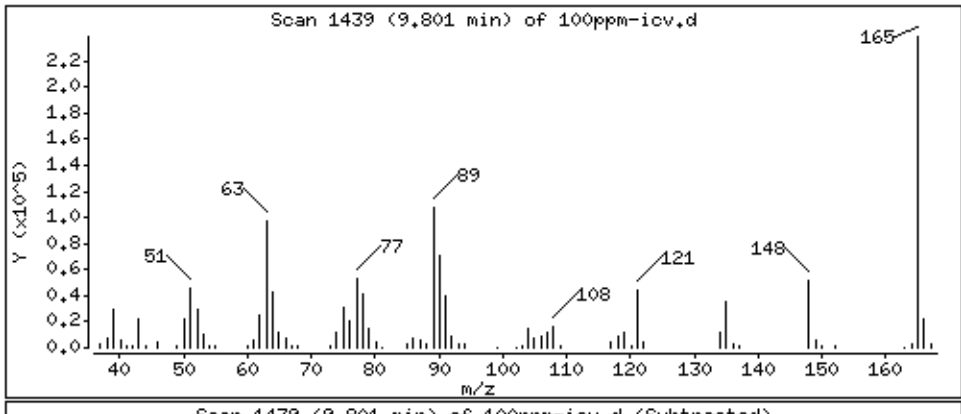
Operator: SN

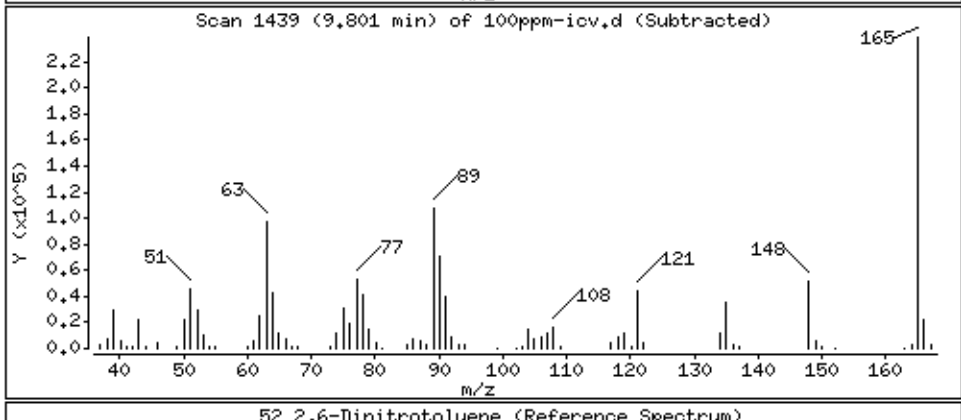
Column phase: .50um DB-5ms

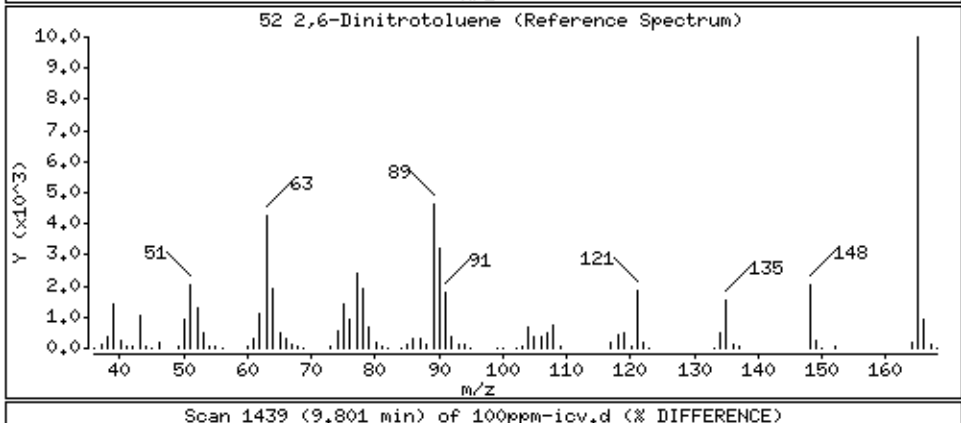
Column diameter: 0.25

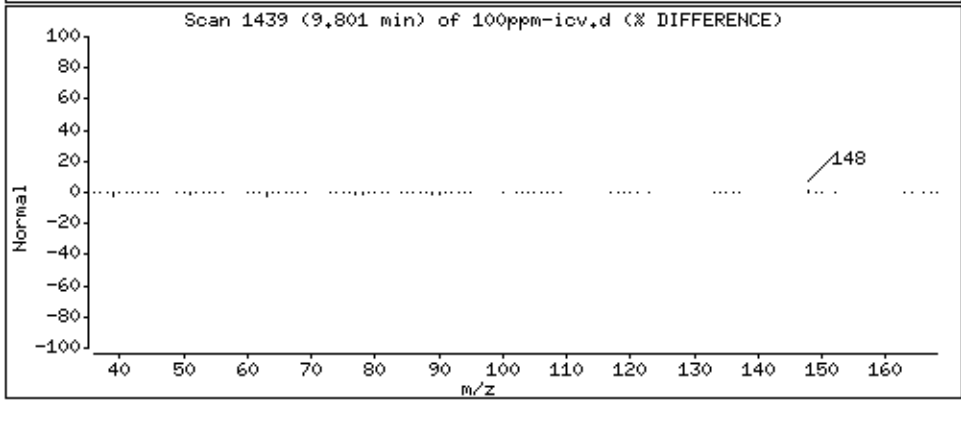
52 2,6-Dinitrotoluene

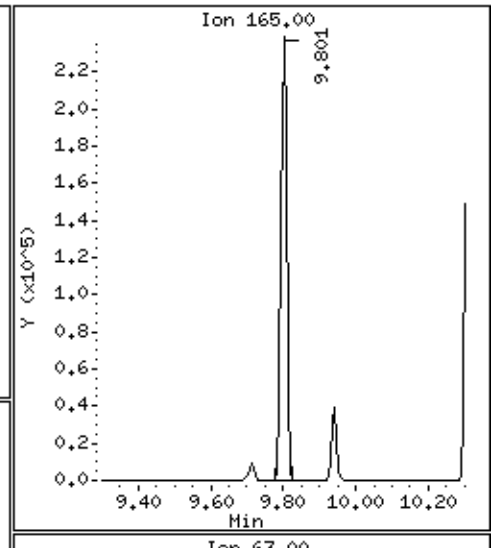
Concentration: 115.4 ug/L

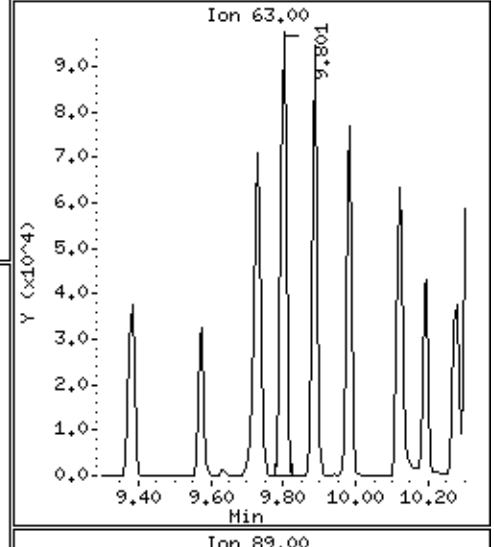


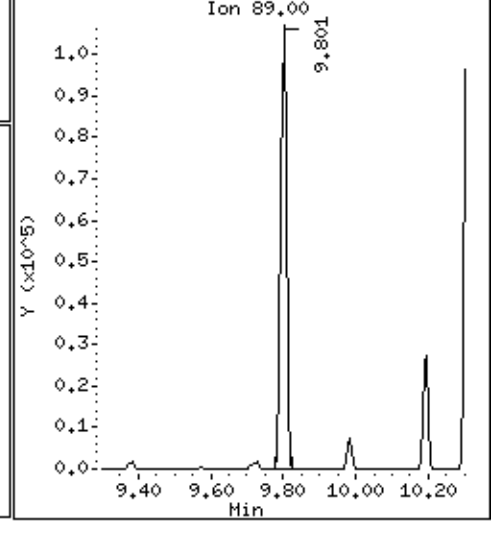












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

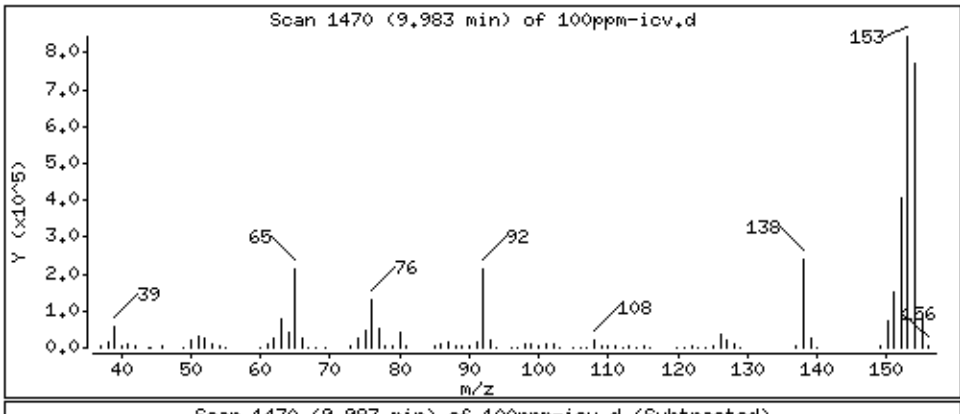
Operator: SN

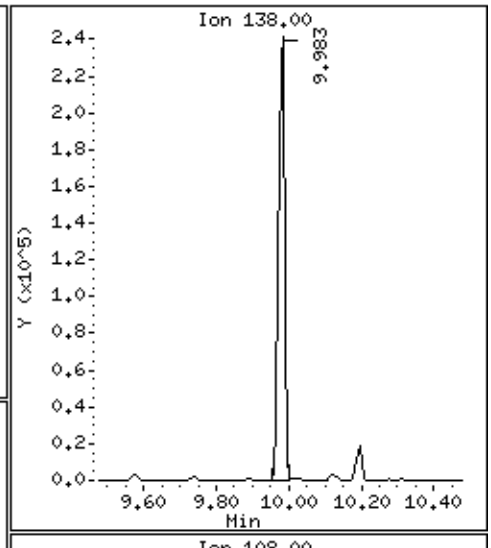
Column phase: .50um DB-5ms

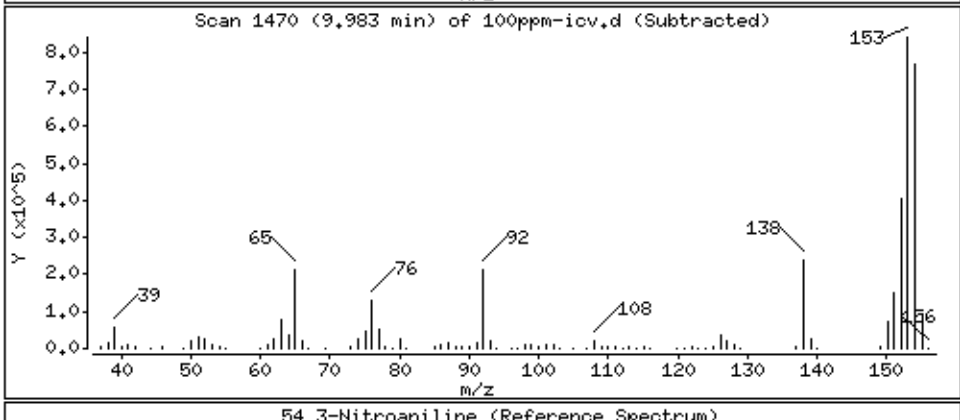
Column diameter: 0.25

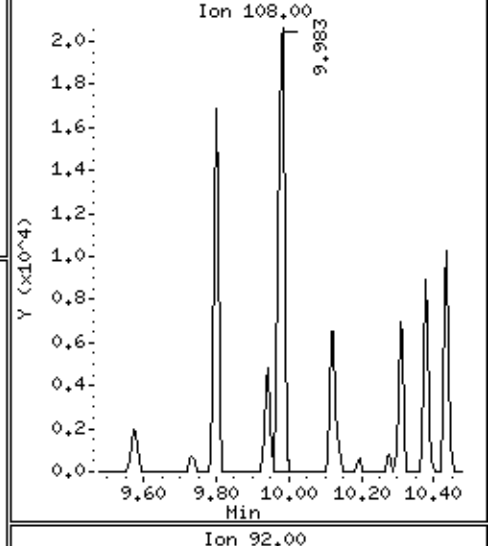
54 3-Nitroaniline

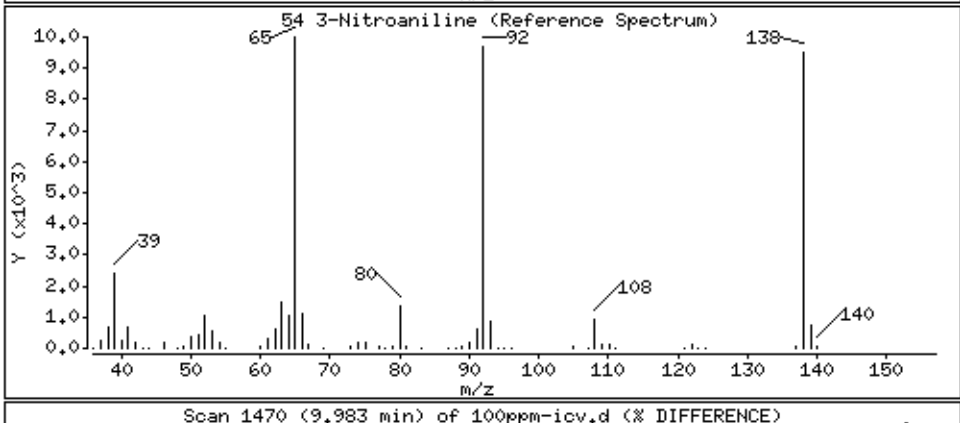
Concentration: 110.5 ug/L

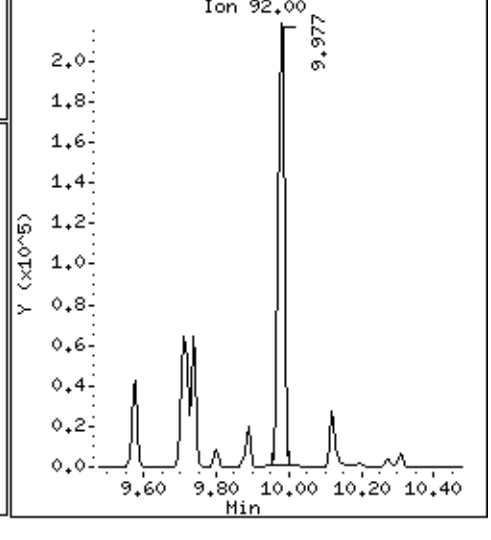


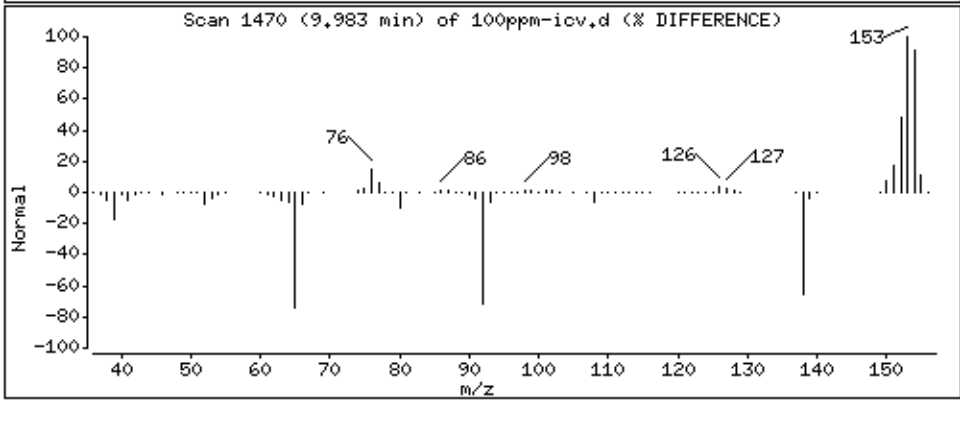












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

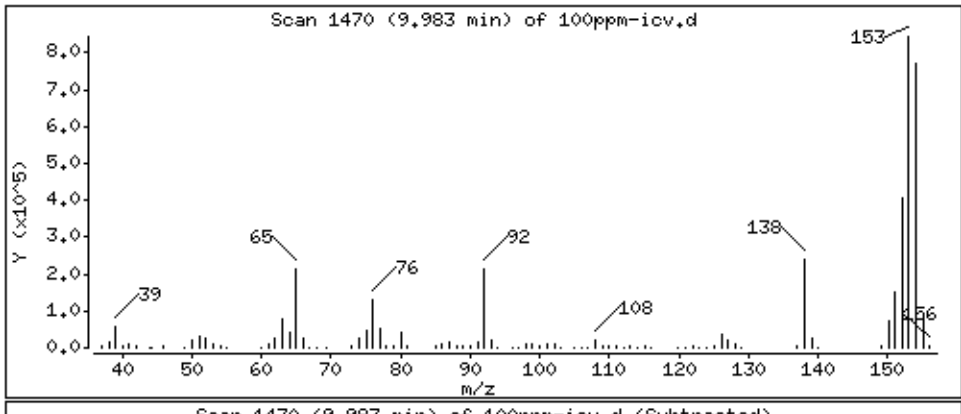
Operator: SN

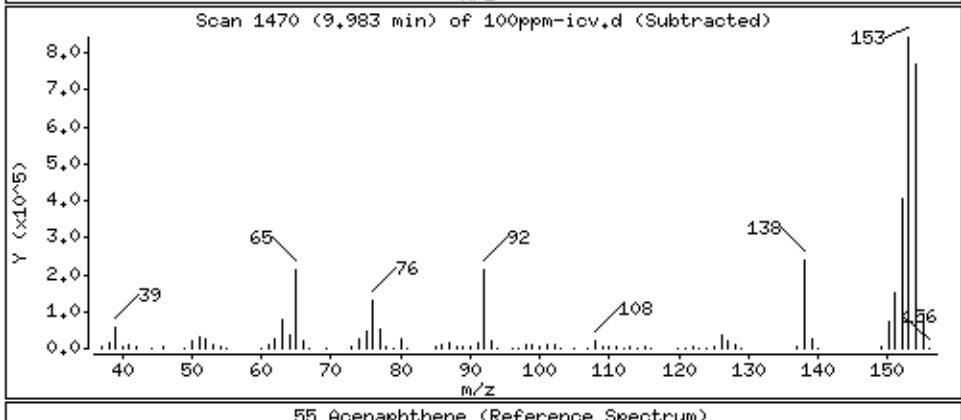
Column phase: .50um DB-5ms

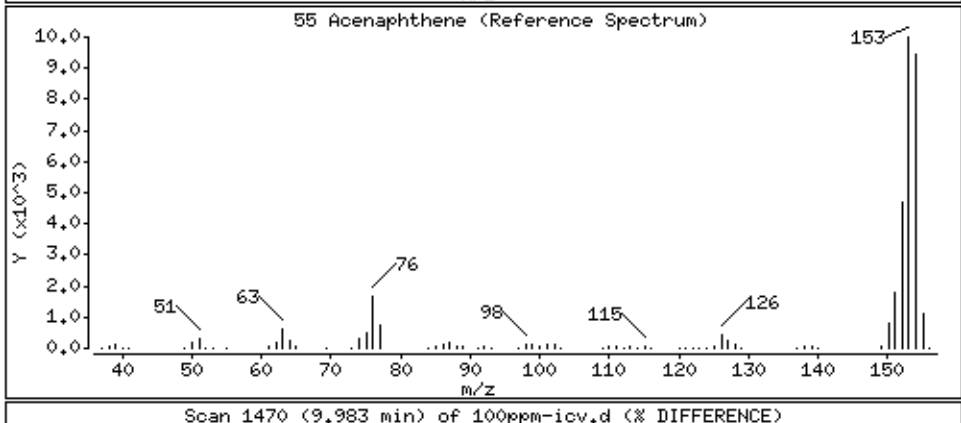
Column diameter: 0.25

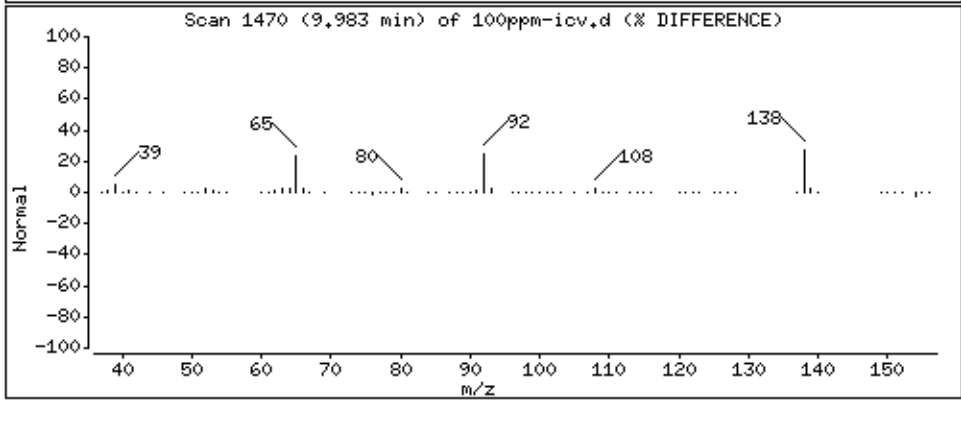
55 Acenaphthene

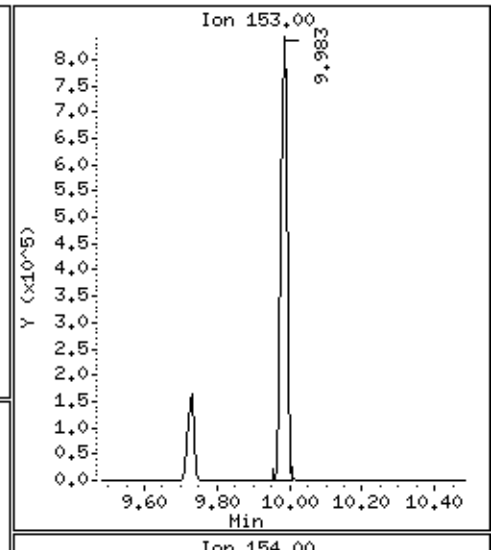
Concentration: 101.5 ug/L

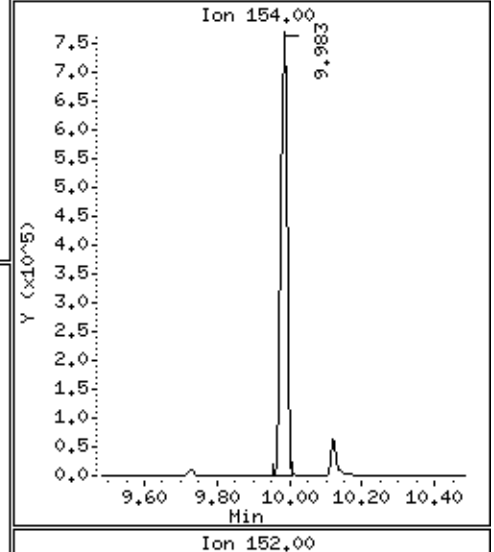


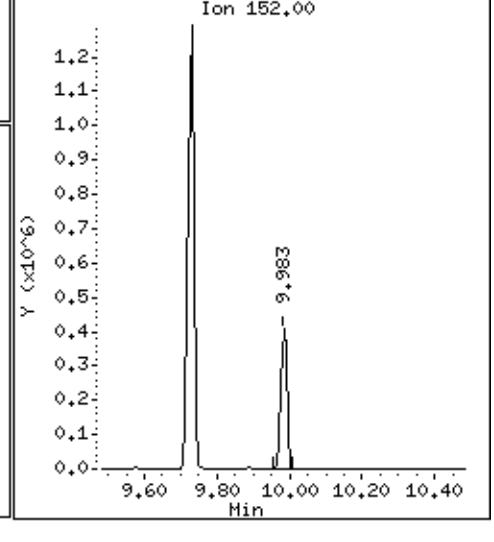












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

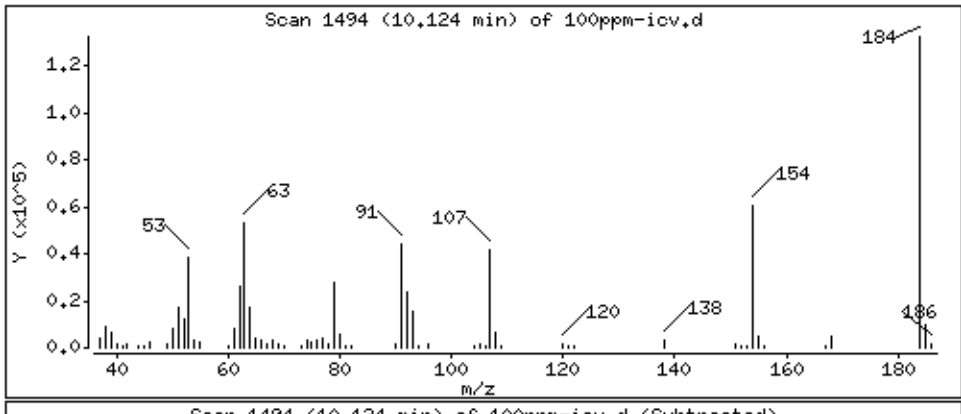
Operator: SN

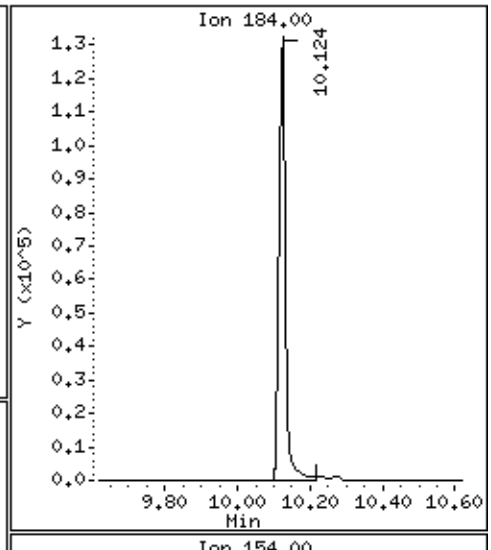
Column phase: .50um DB-5ms

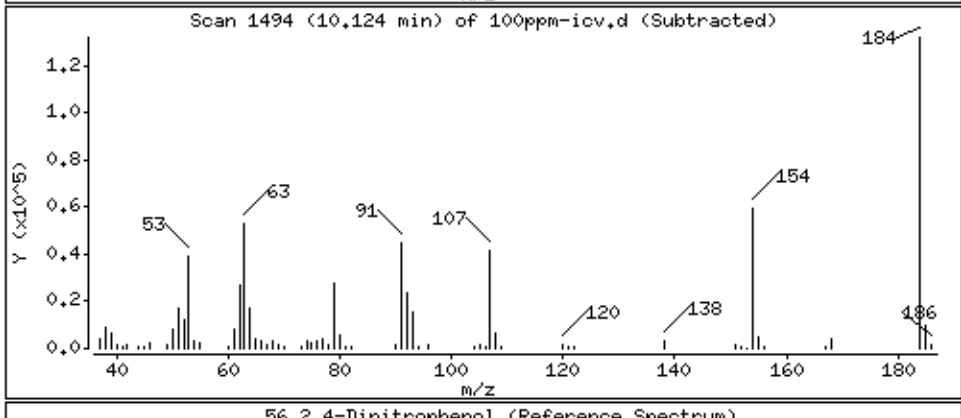
Column diameter: 0.25

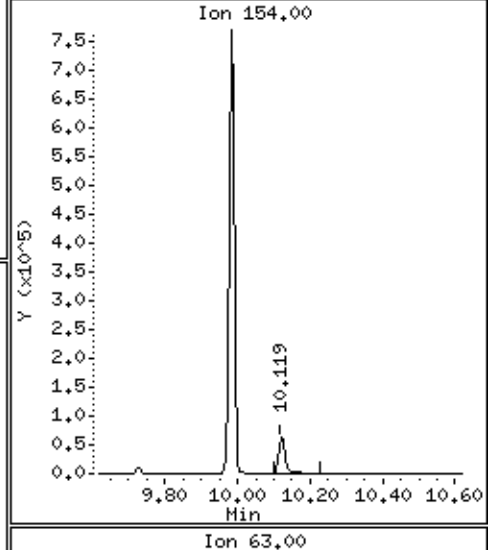
56 2,4-Dinitrophenol

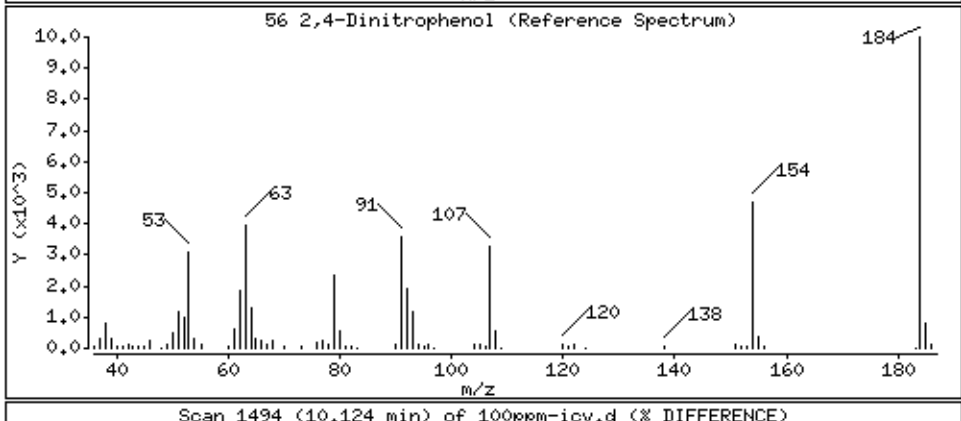
Concentration: 106.8 ug/L

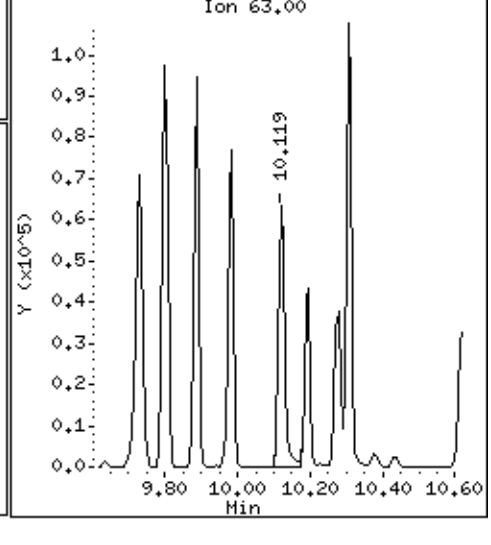


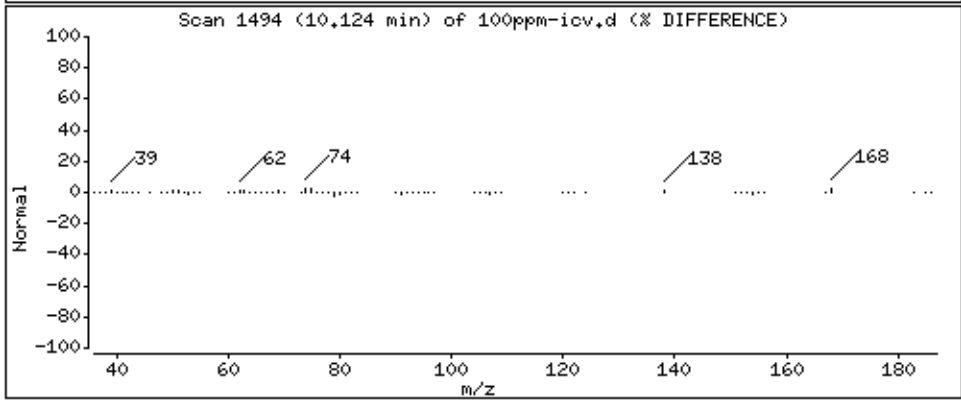












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

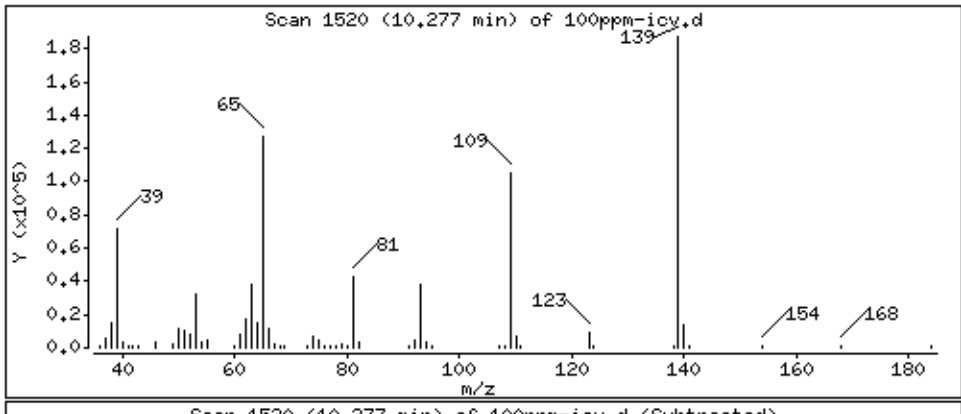
Operator: SN

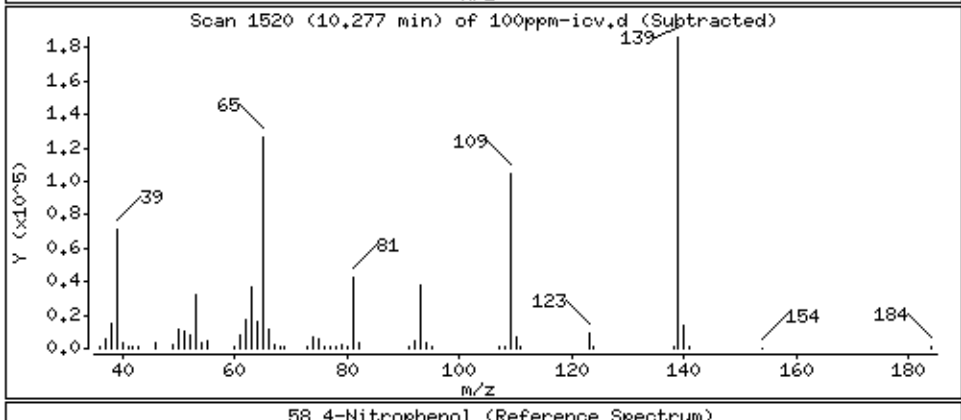
Column phase: .50um DB-5ms

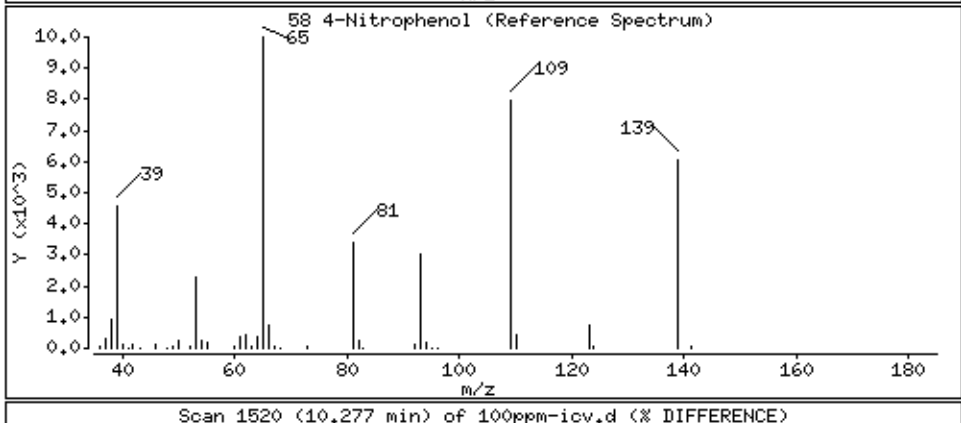
Column diameter: 0.25

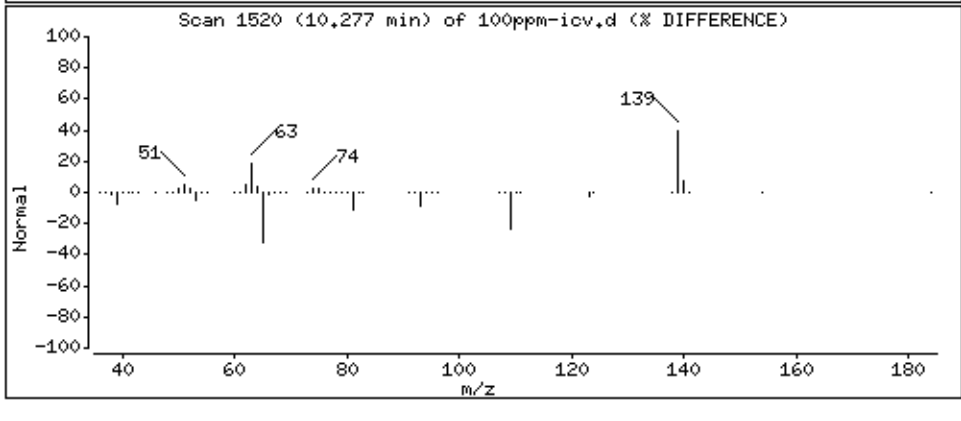
58 4-Nitrophenol

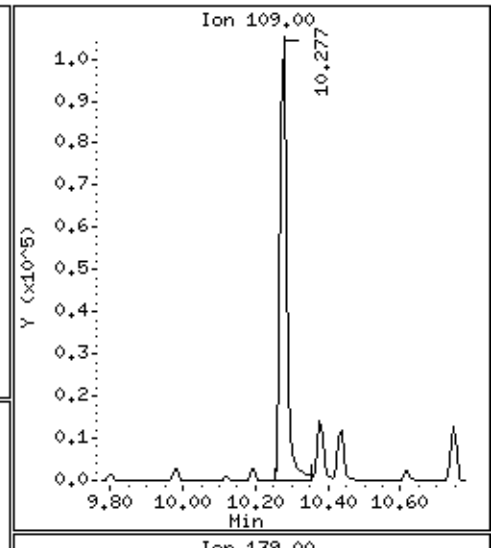
Concentration: 108.6 ug/L

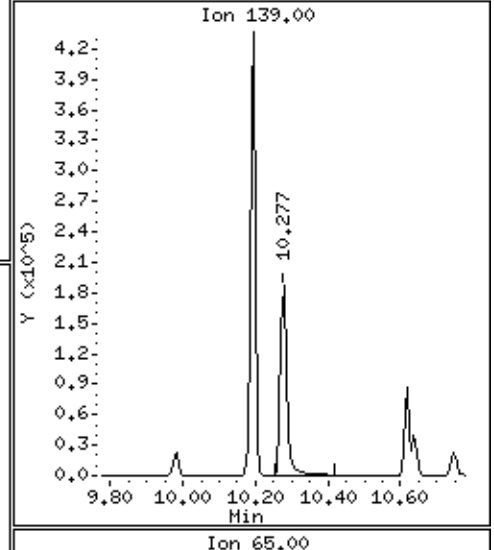


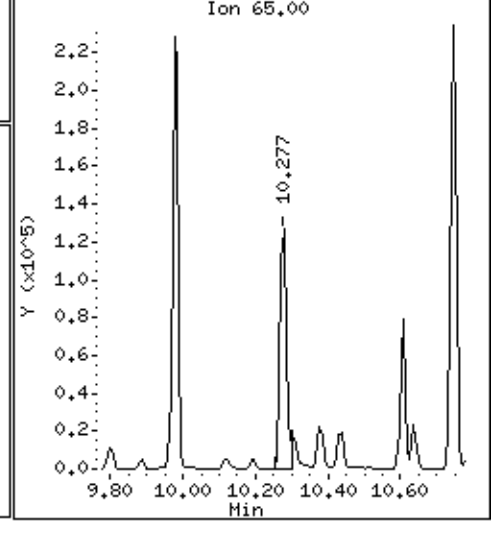












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

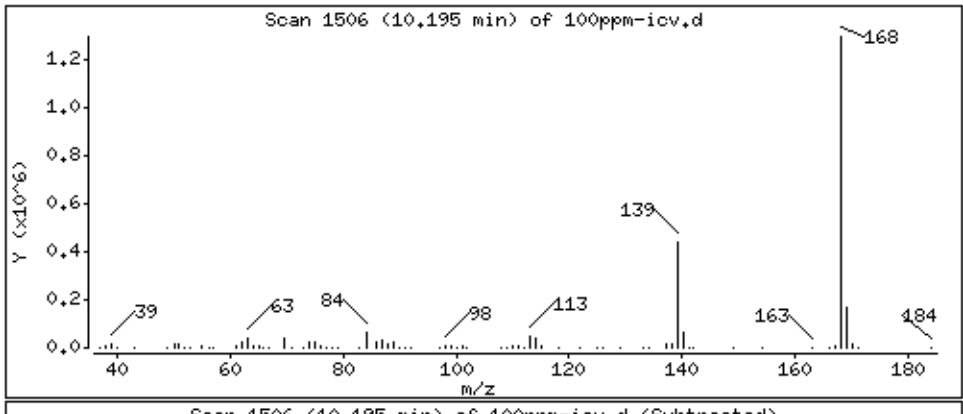
Operator: SN

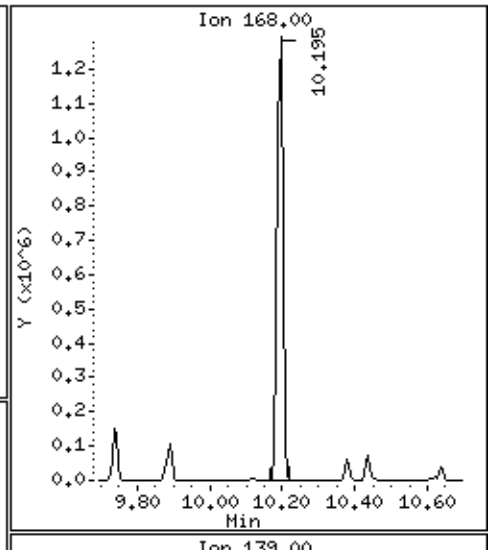
Column phase: .50um DB-5ms

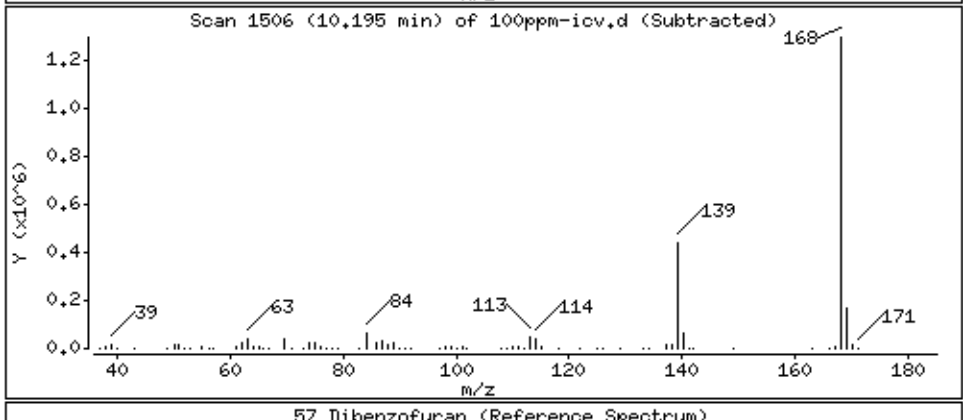
Column diameter: 0.25

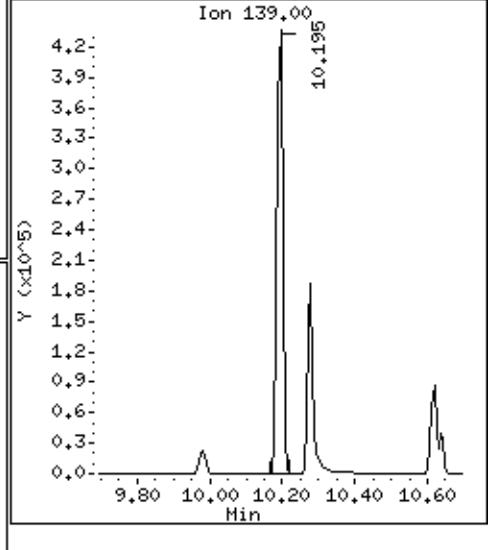
57 Dibenzofuran

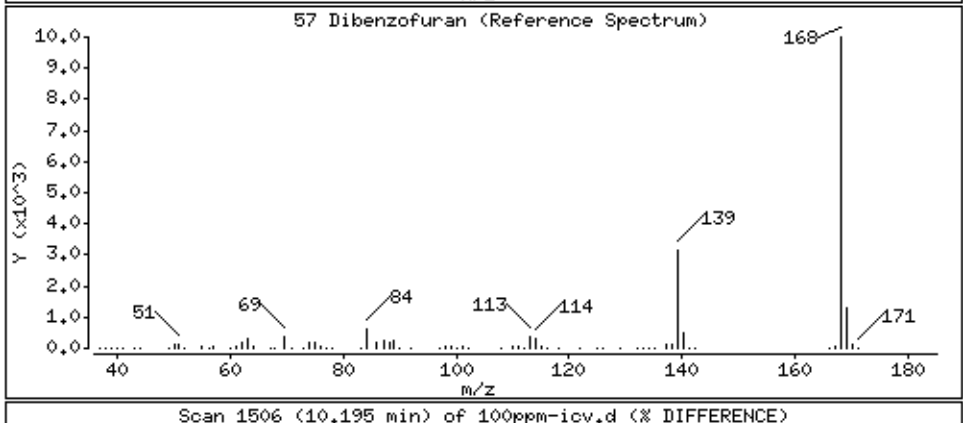
Concentration: 102.6 ug/L

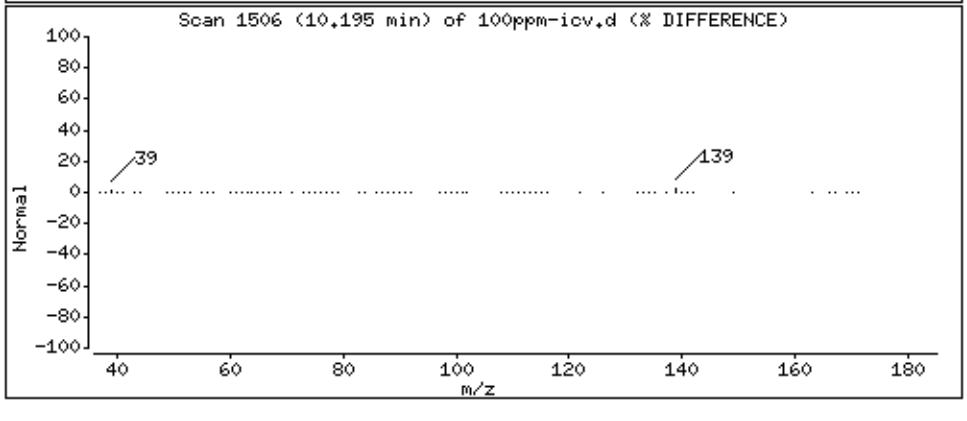












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

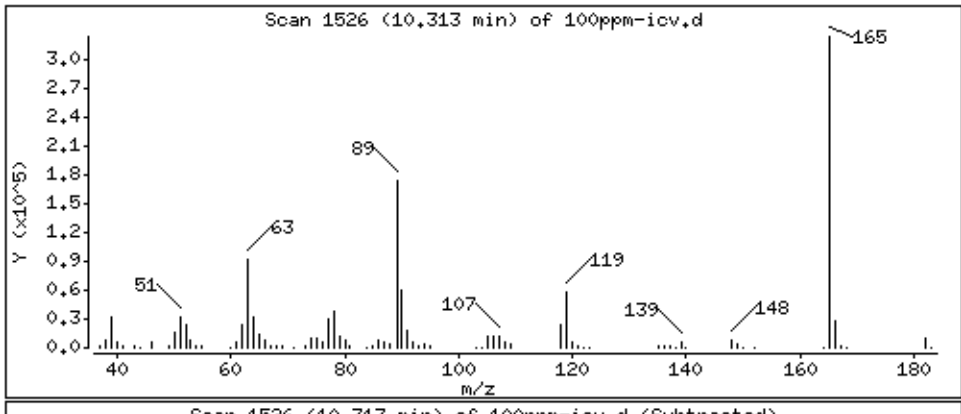
Operator: SN

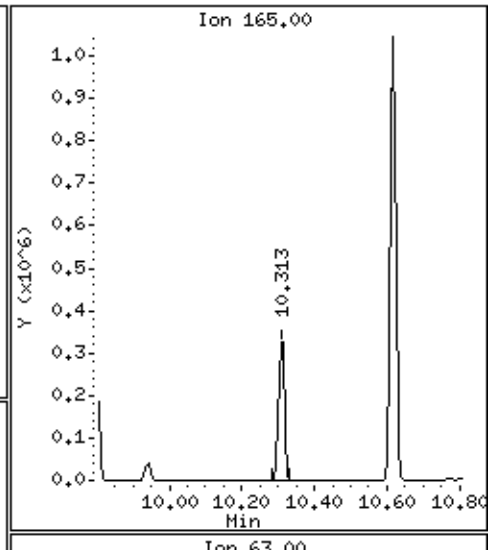
Column phase: .50um DB-5ms

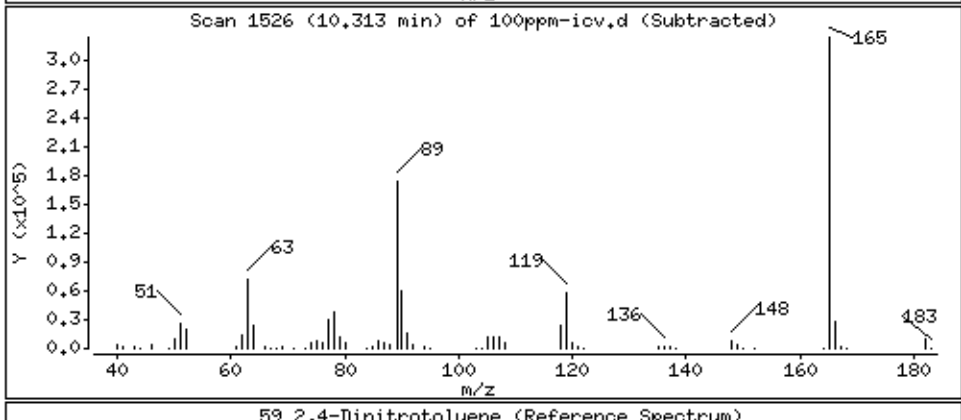
Column diameter: 0.25

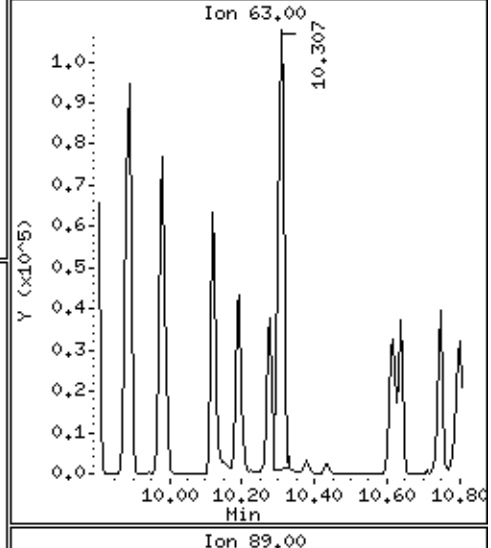
59 2,4-Dinitrotoluene

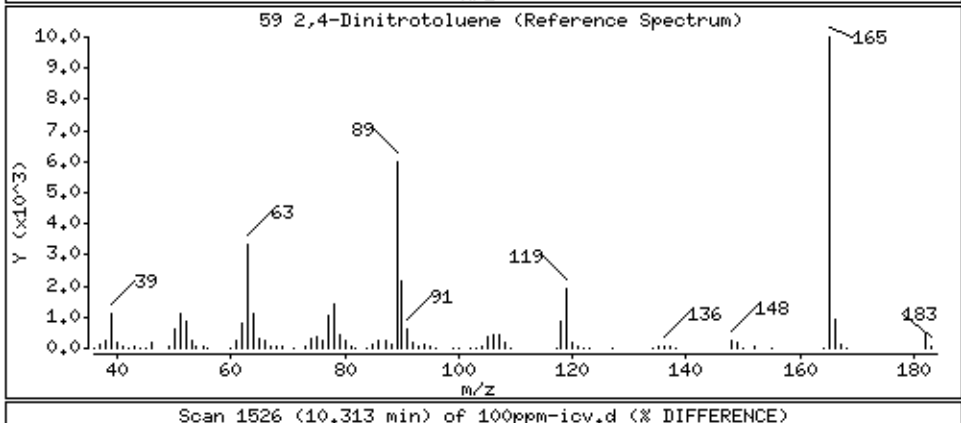
Concentration: 113.8 ug/L

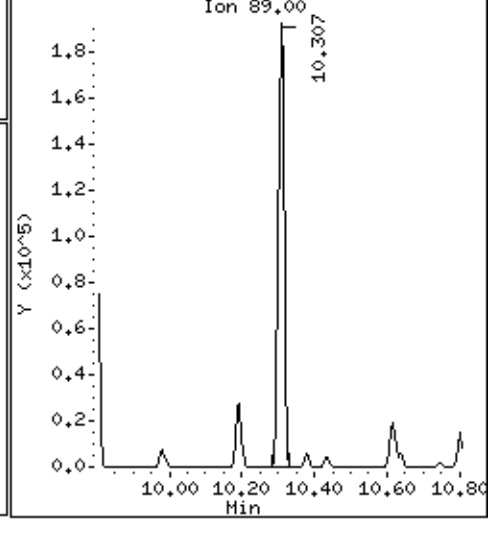


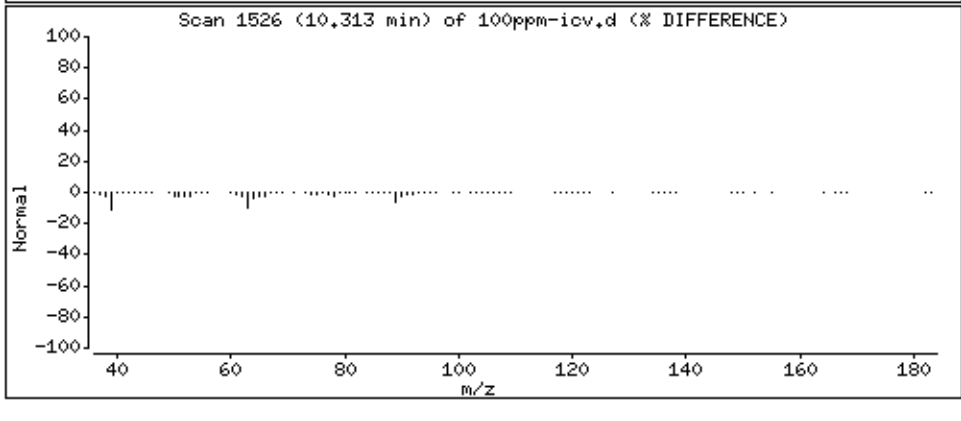












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

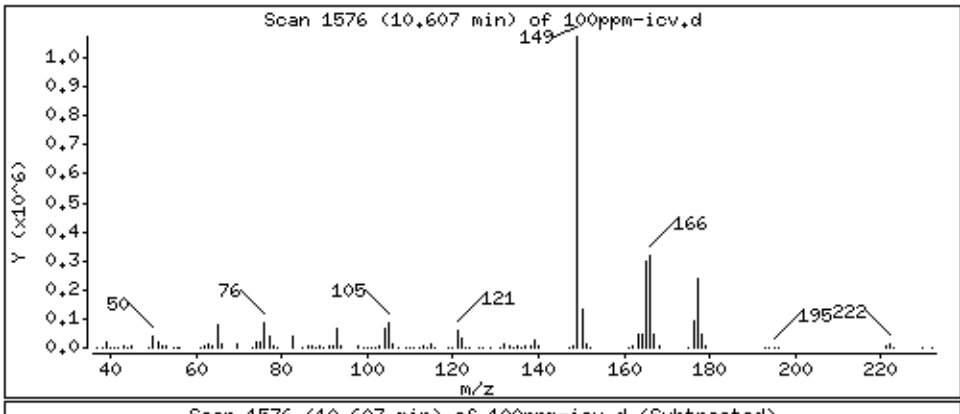
Operator: SN

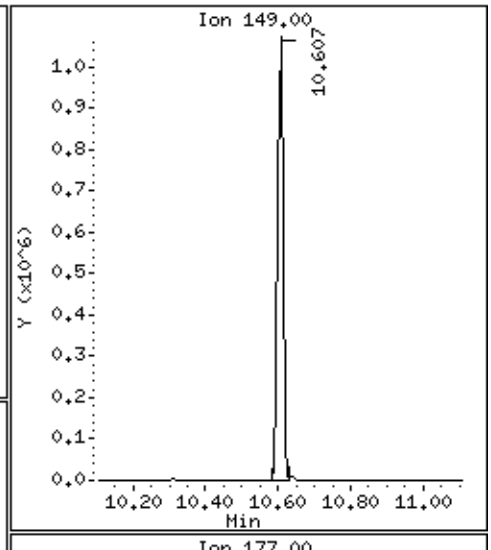
Column phase: .50um DB-5ms

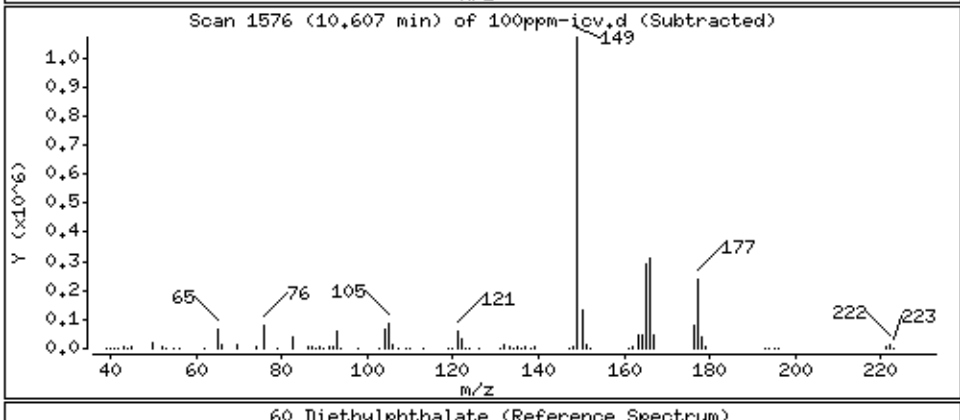
Column diameter: 0.25

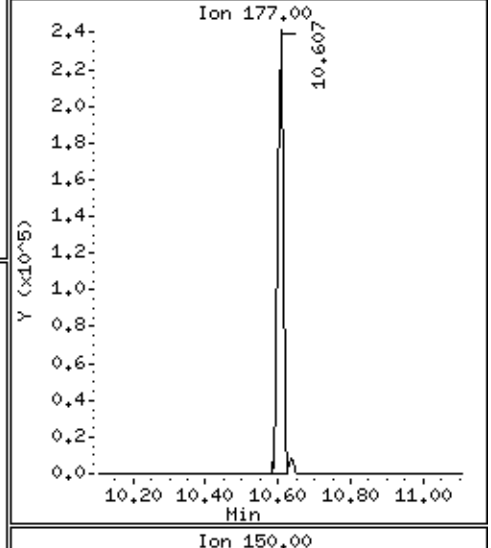
60 Diethylphthalate

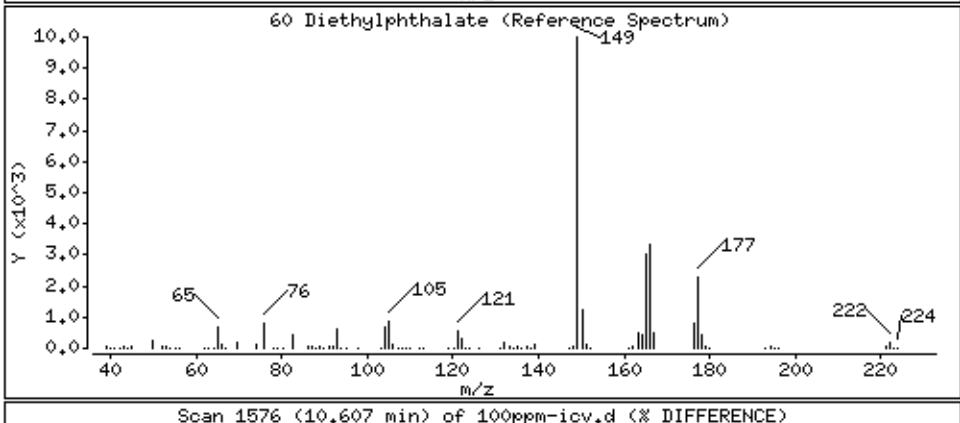
Concentration: 101.8 ug/L

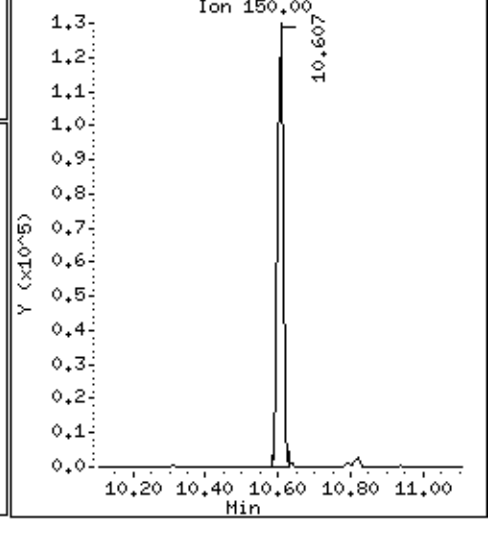


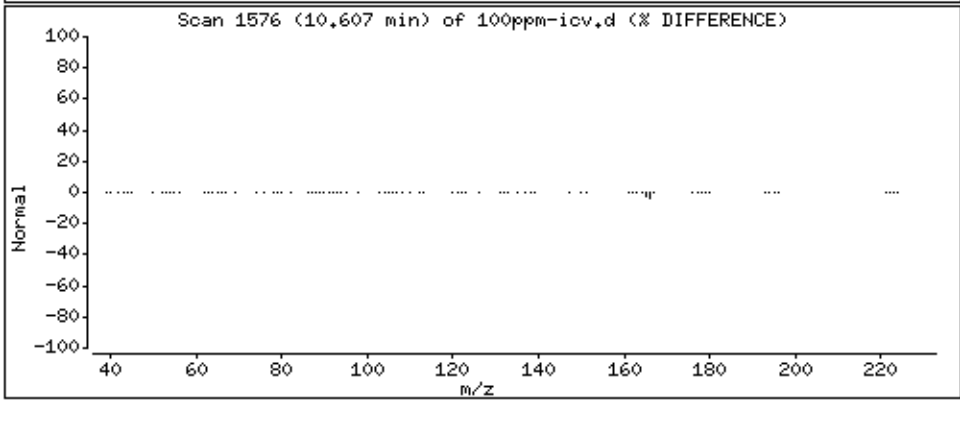












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

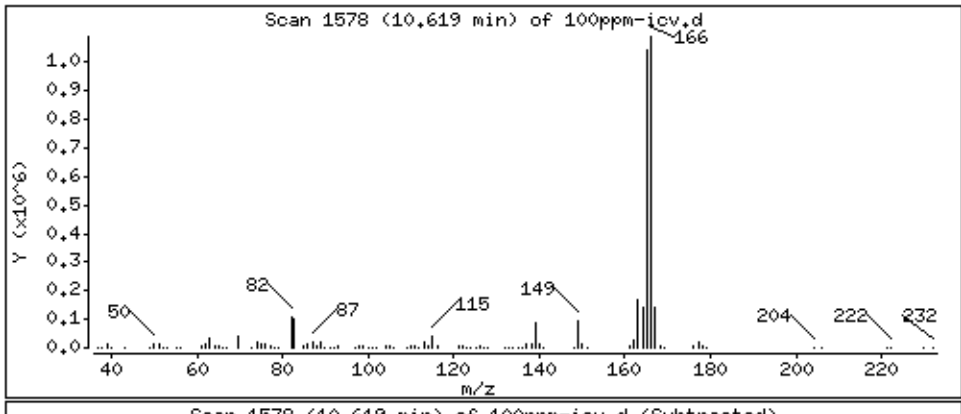
Operator: SN

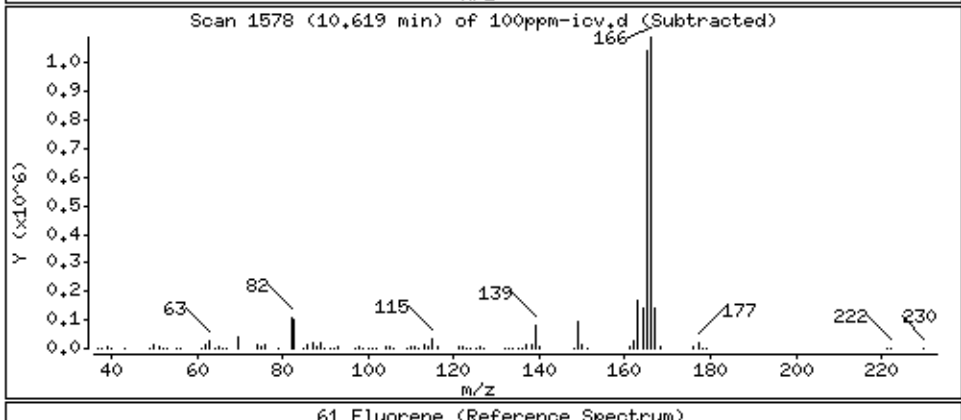
Column phase: .50um DB-5ms

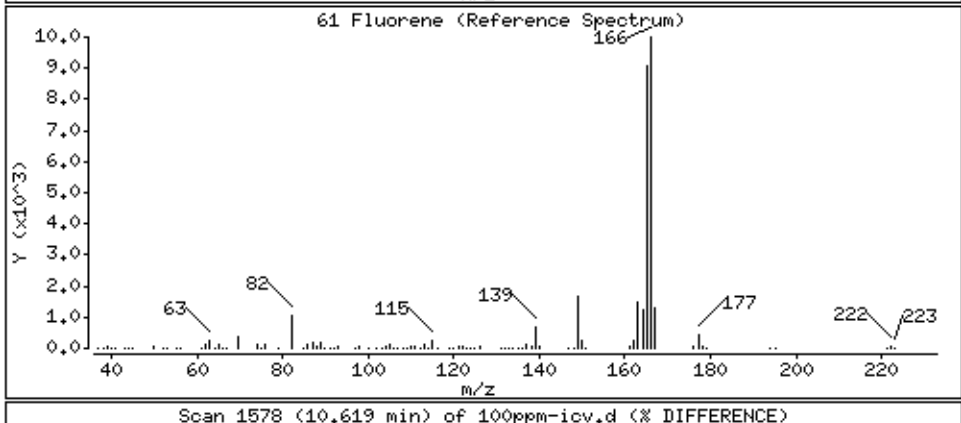
Column diameter: 0.25

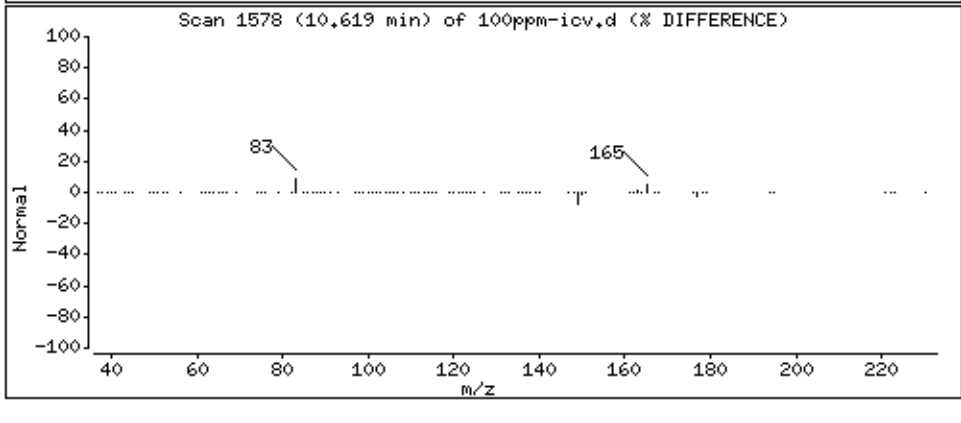
61 Fluorene

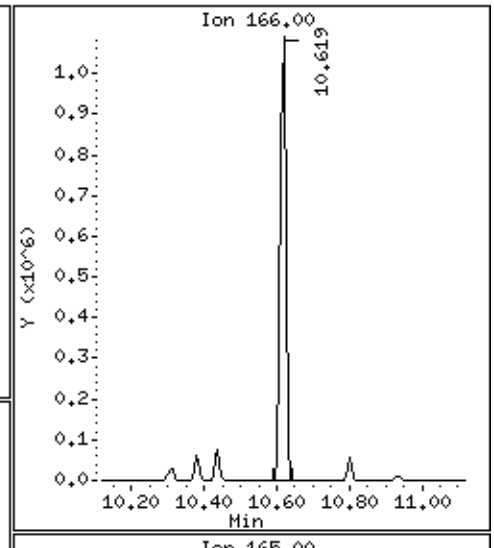
Concentration: 102.8 ug/L

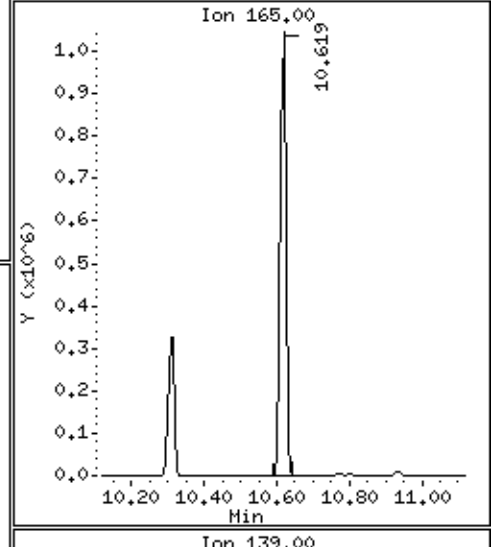


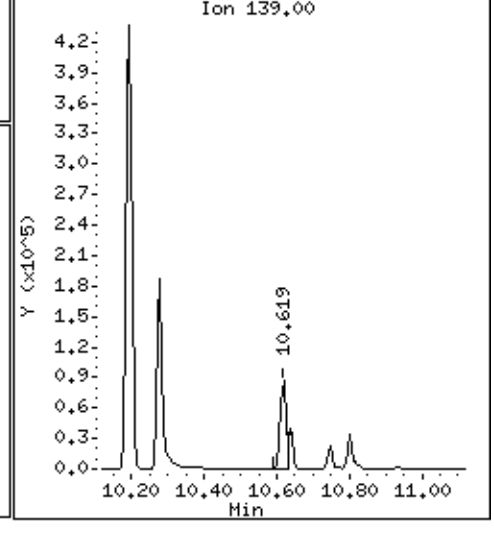












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

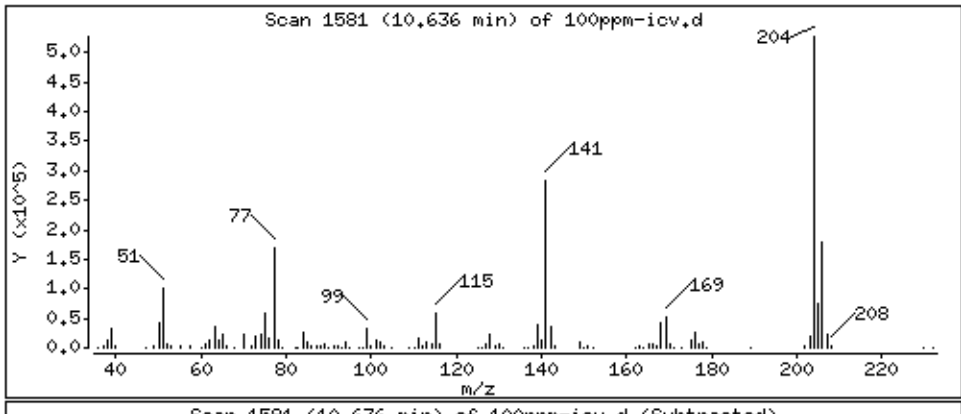
Operator: SN

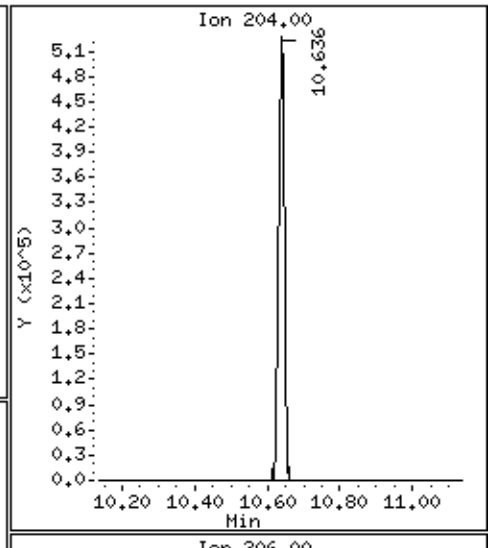
Column phase: .50um DB-5ms

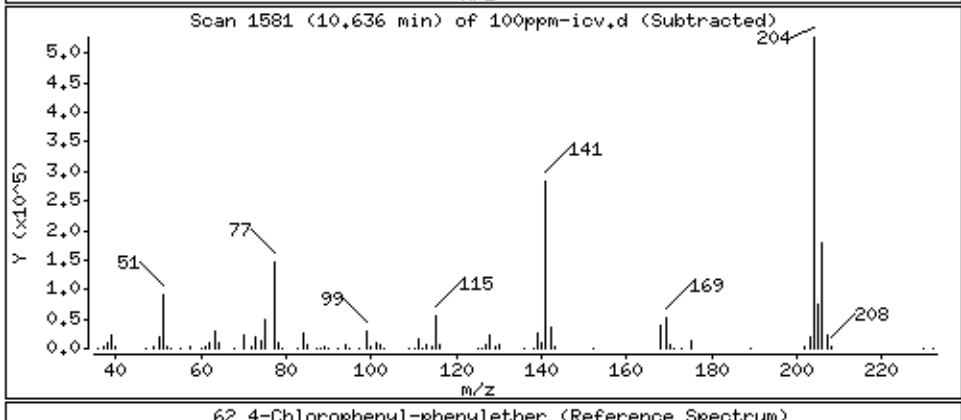
Column diameter: 0.25

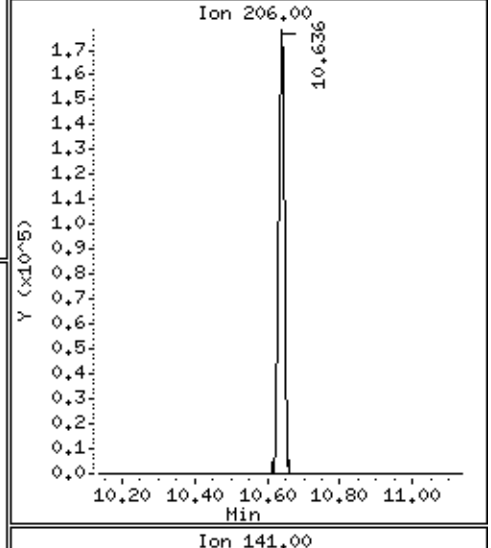
62 4-Chlorophenyl-phenylether

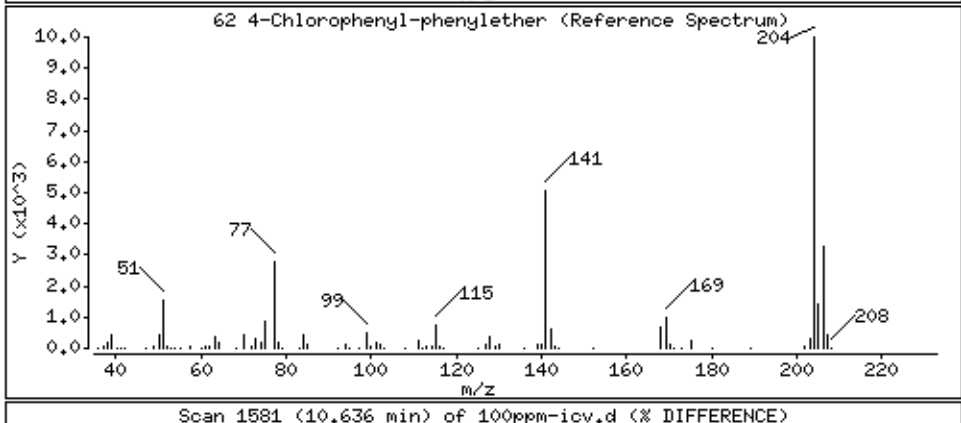
Concentration: 103.6 ug/L

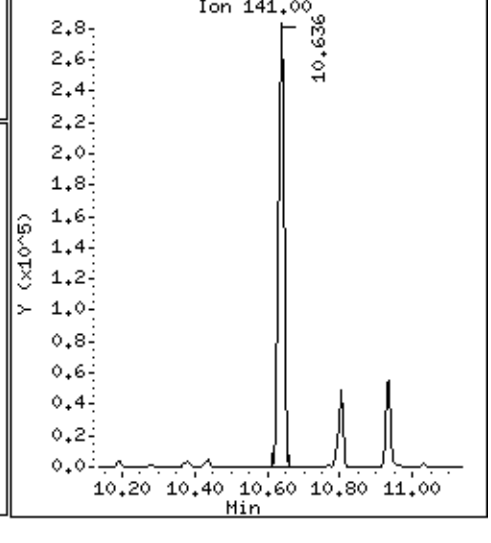


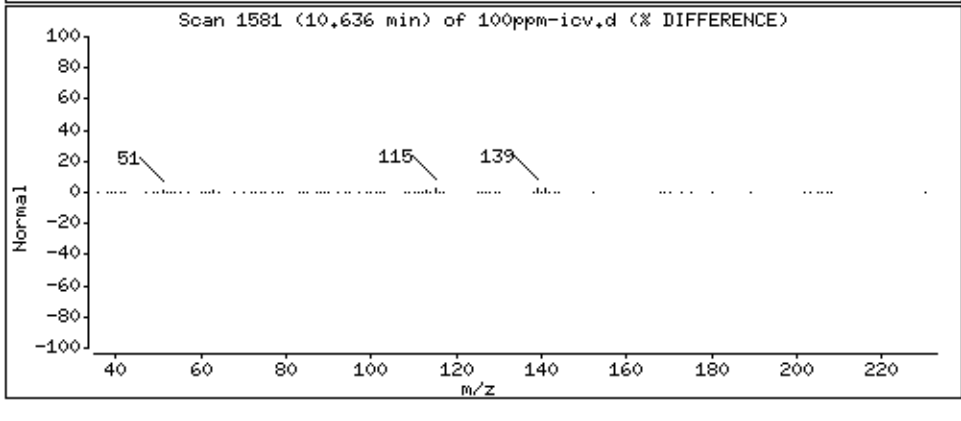












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

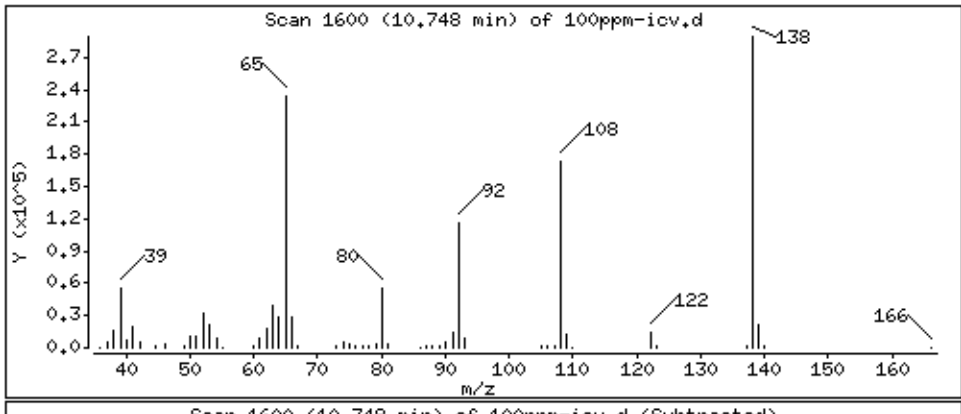
Operator: SN

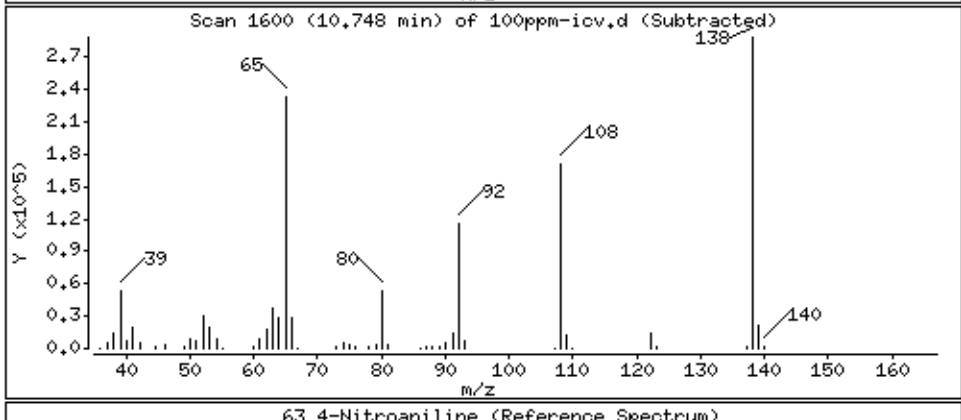
Column phase: .50um DB-5ms

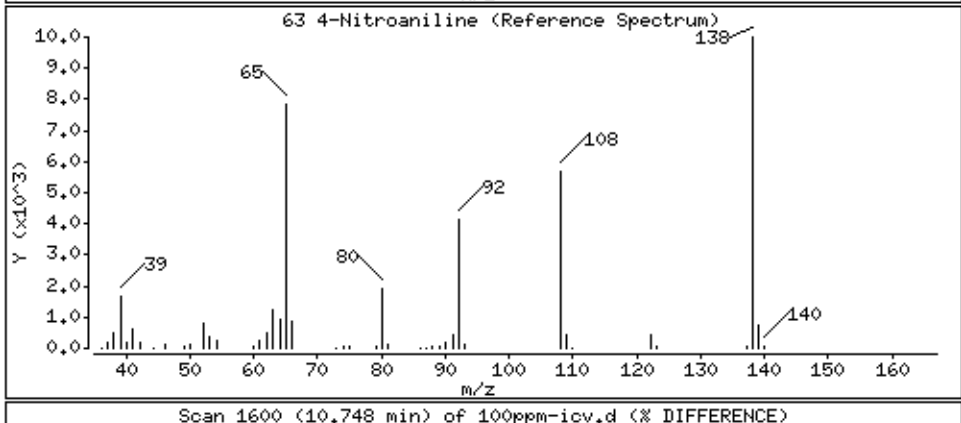
Column diameter: 0.25

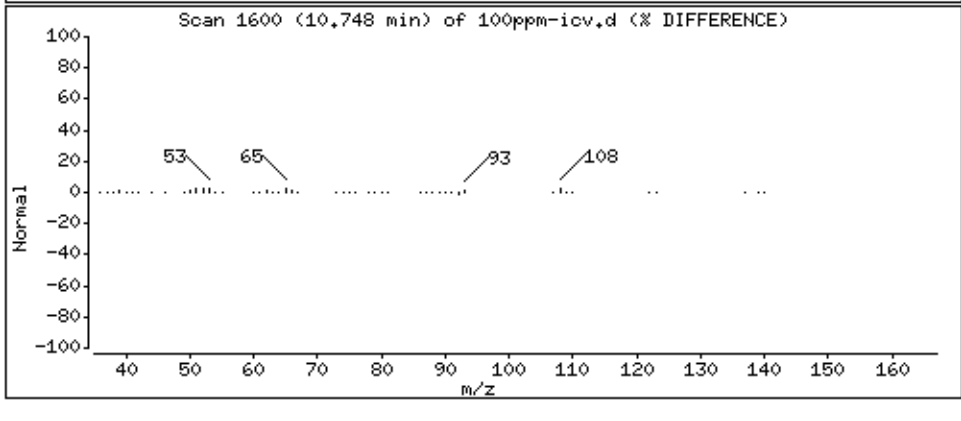
63 4-Nitroaniline

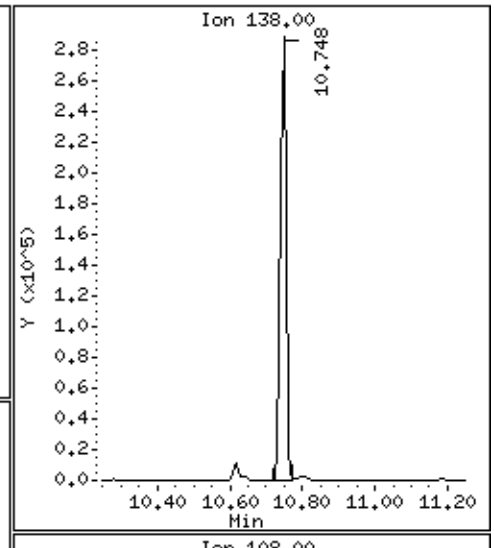
Concentration: 112.2 ug/L

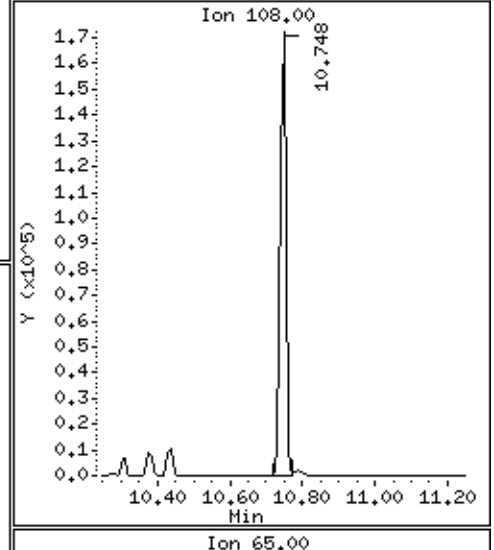


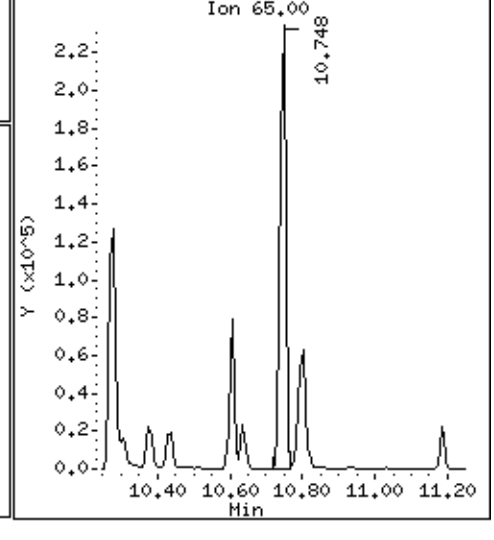












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

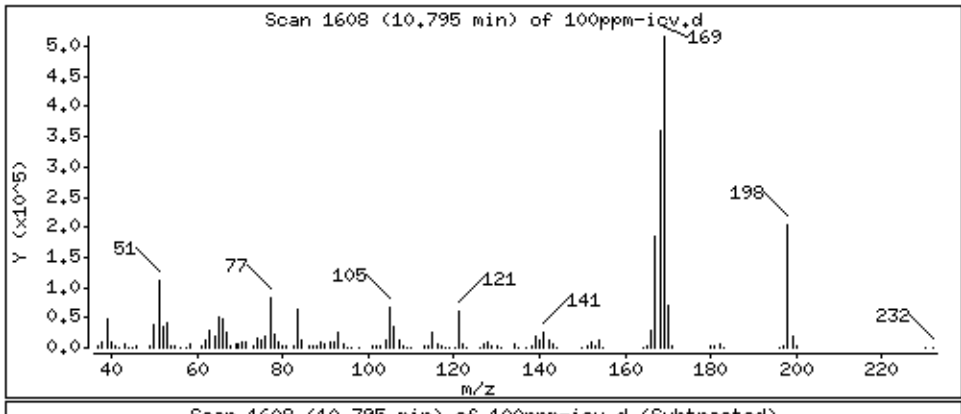
Operator: SN

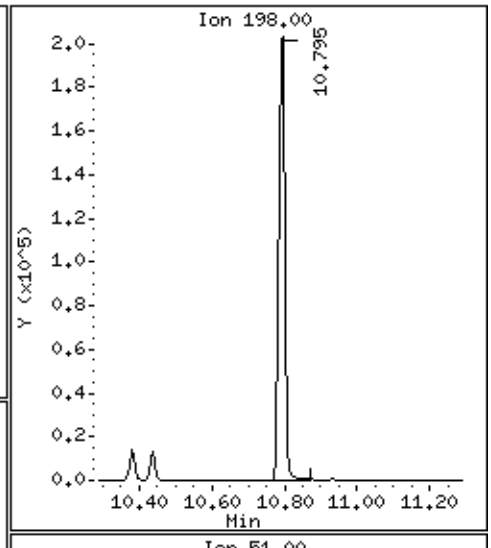
Column phase: .50um DB-5ms

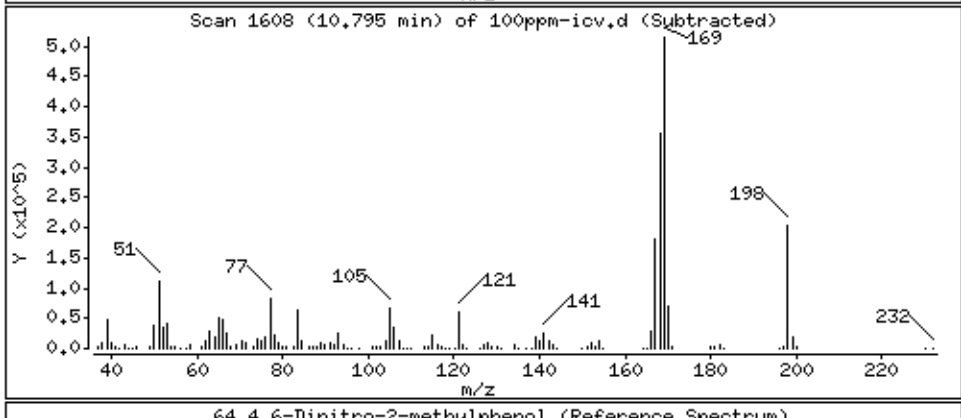
Column diameter: 0.25

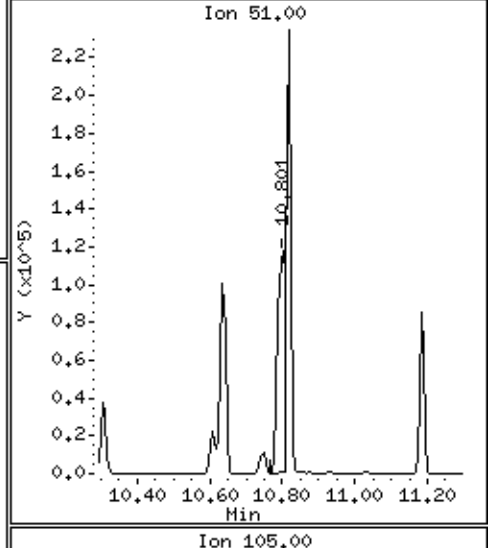
64 4,6-Dinitro-2-methylphenol

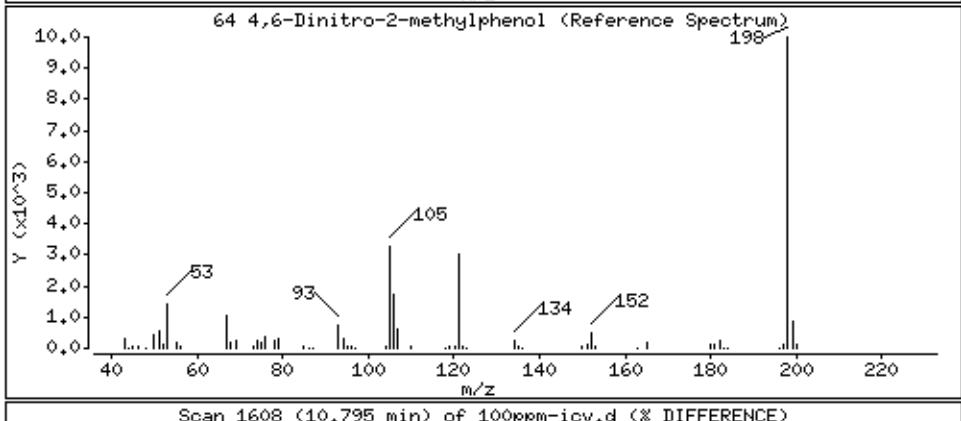
Concentration: 109.6 ug/L

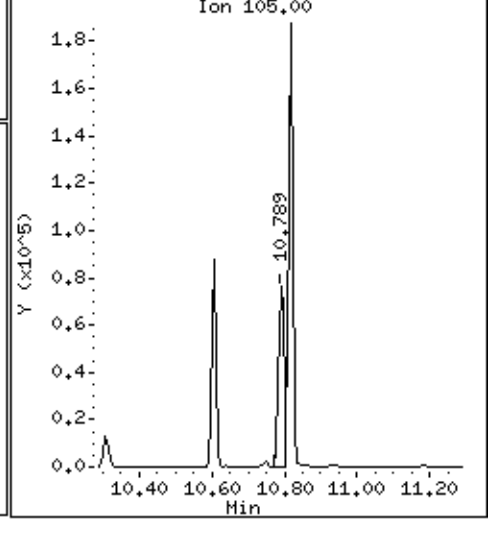


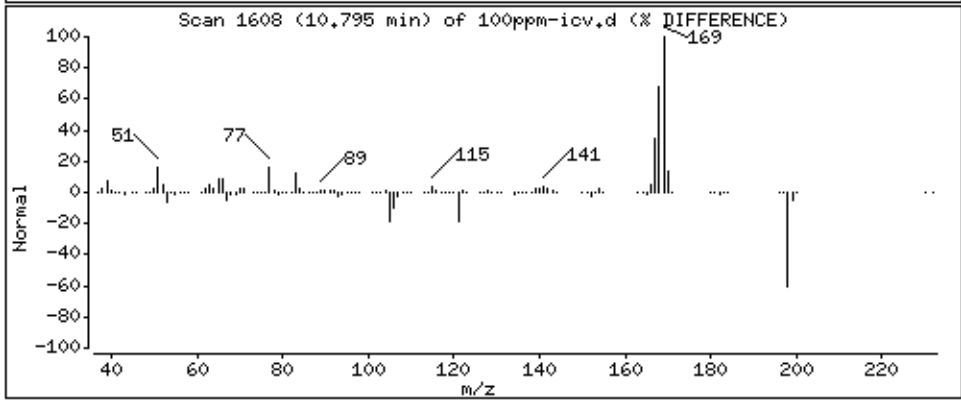












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

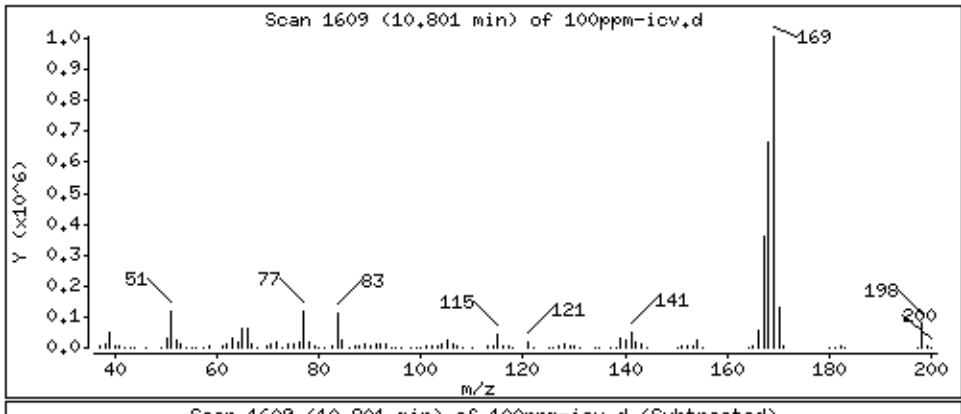
Operator: SN

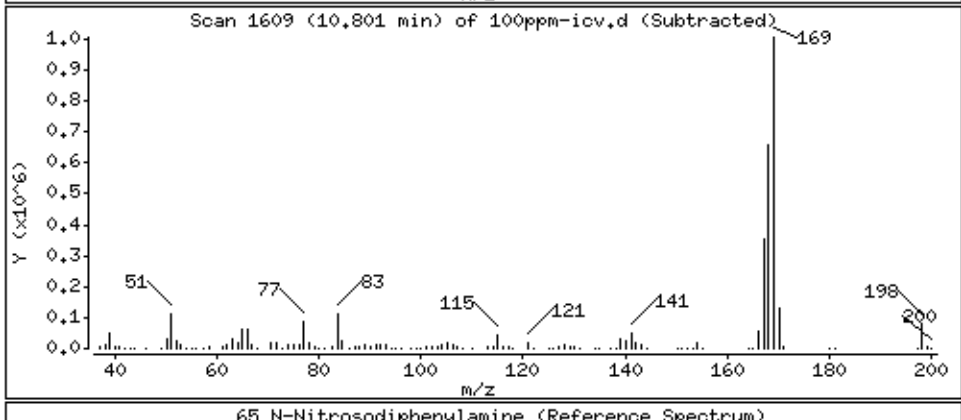
Column phase: .50um DB-5ms

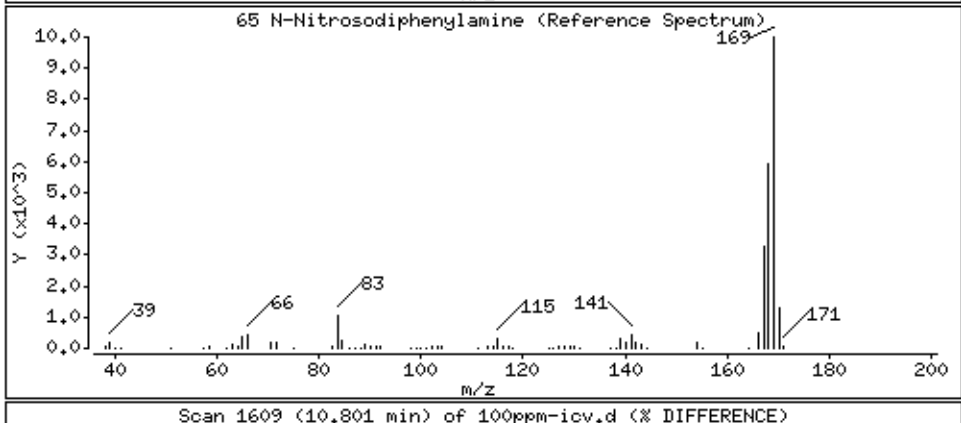
Column diameter: 0.25

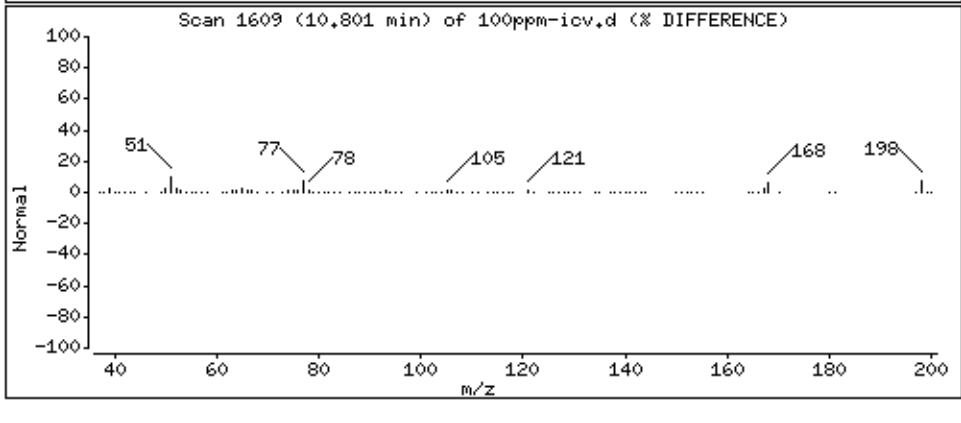
65 N-Nitrosodiphenylamine

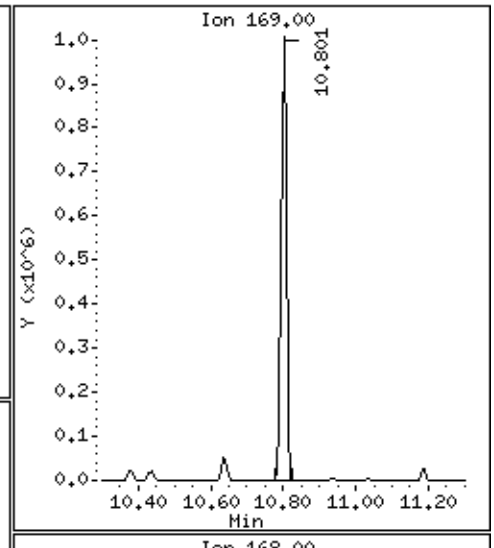
Concentration: 121.0 ug/L

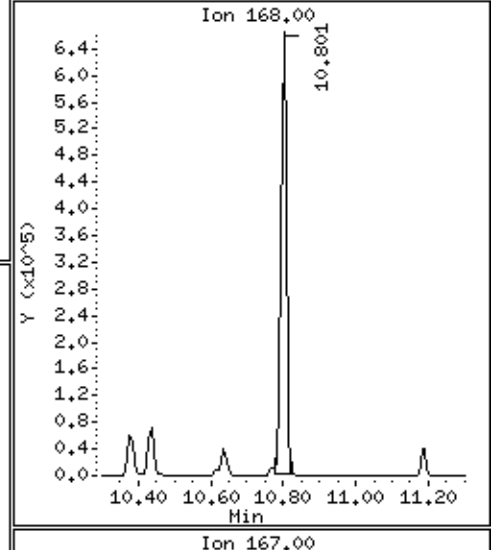


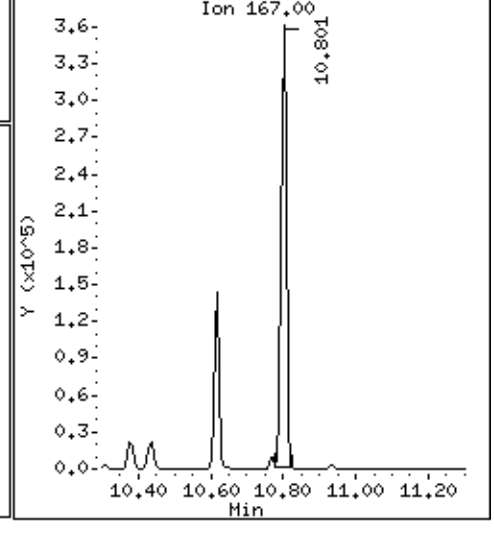












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

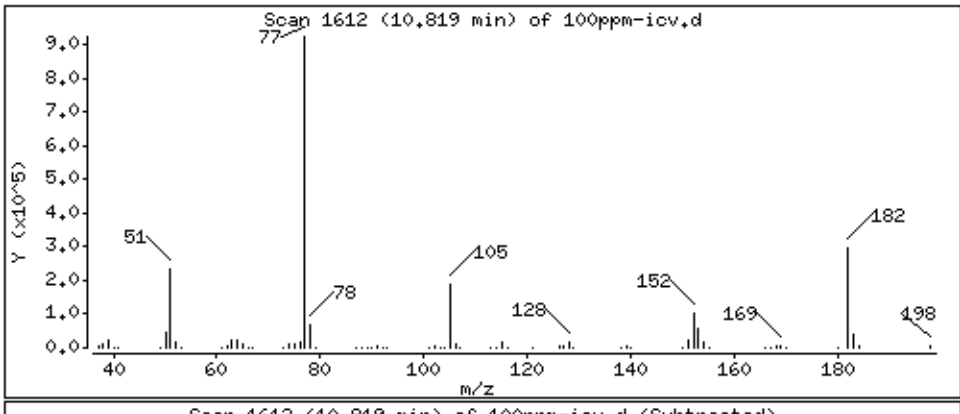
Operator: SN

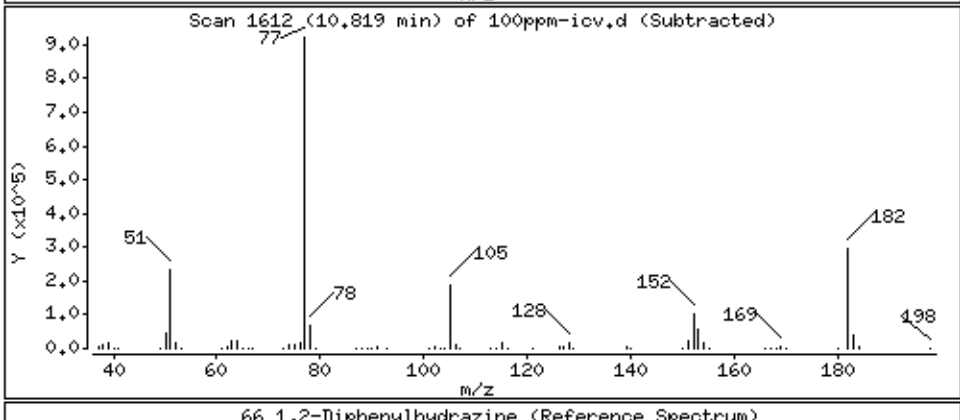
Column phase: .50um DB-5ms

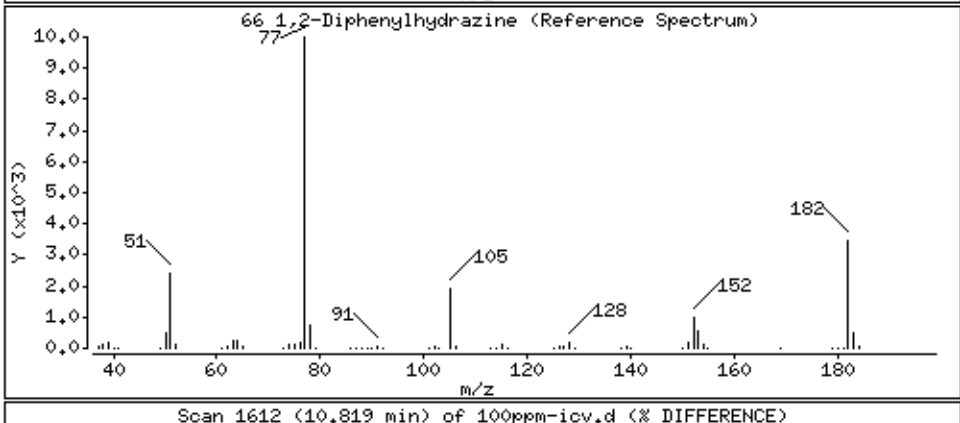
Column diameter: 0.25

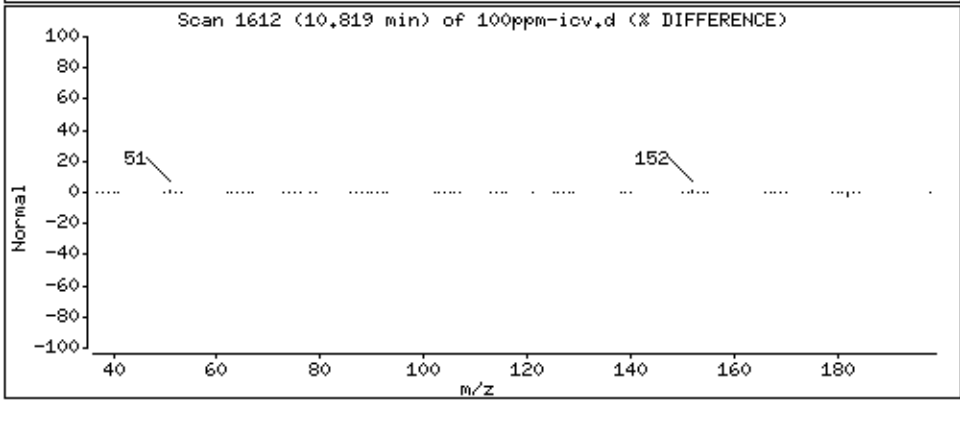
66 1,2-Diphenylhydrazine

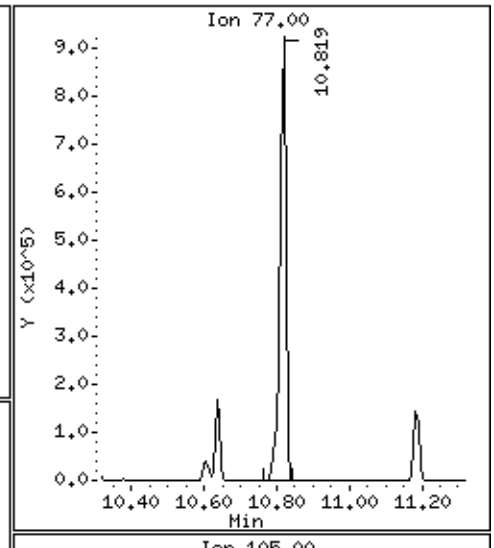
Concentration: 105.4 ug/L

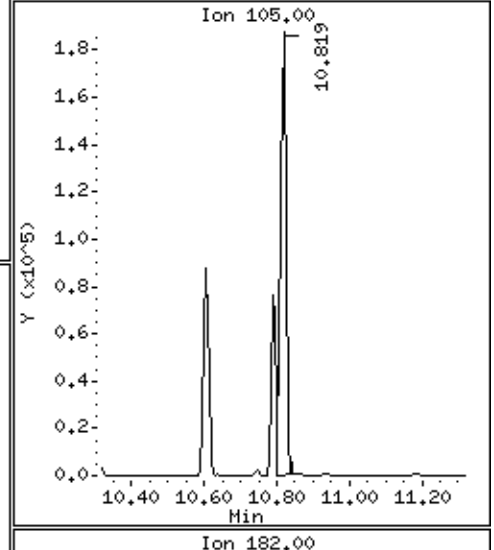


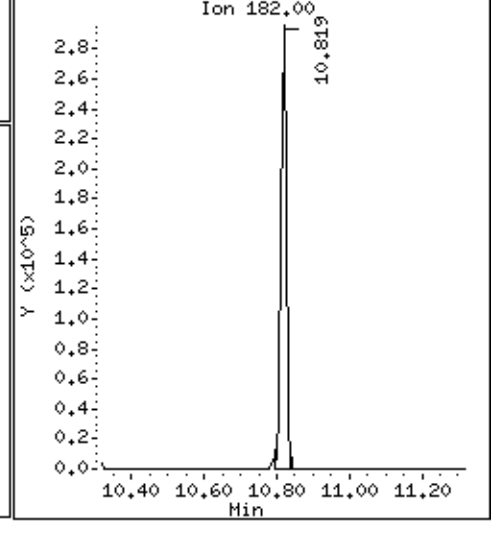












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

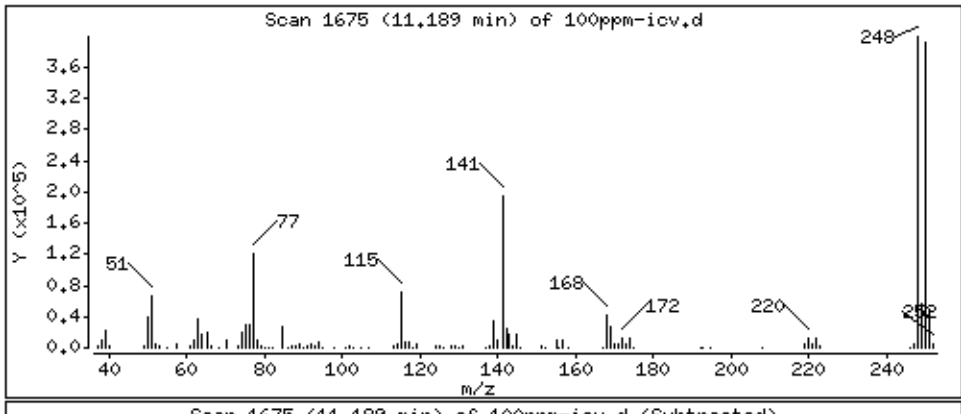
Operator: SN

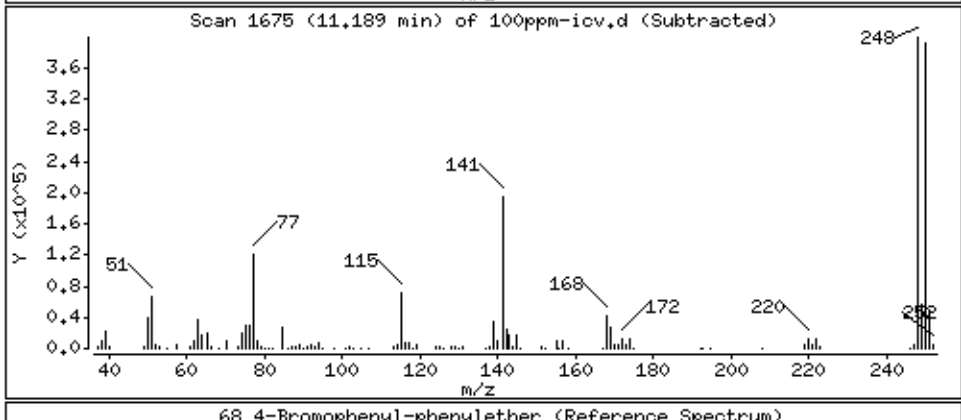
Column phase: .50um DB-5ms

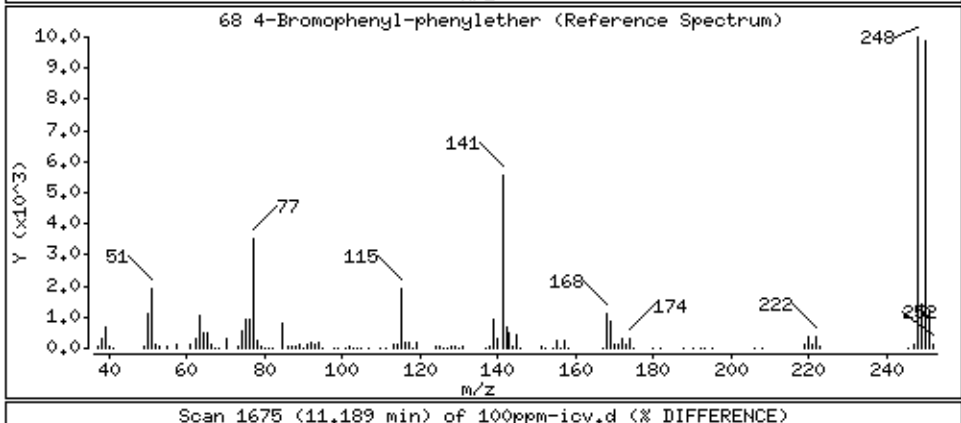
Column diameter: 0.25

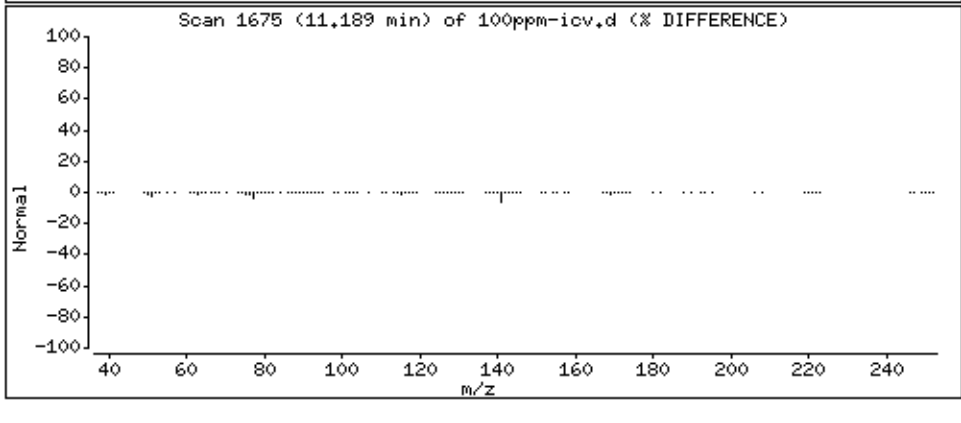
68 4-Bromophenyl-phenylether

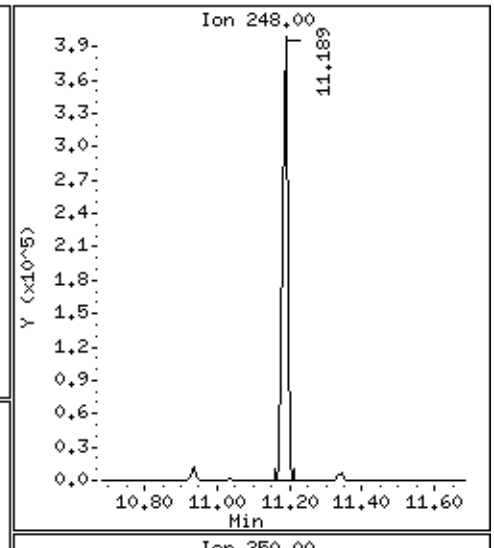
Concentration: 105.2 ug/L

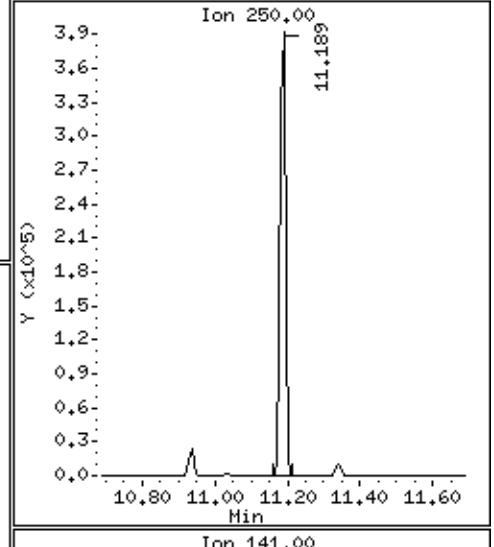


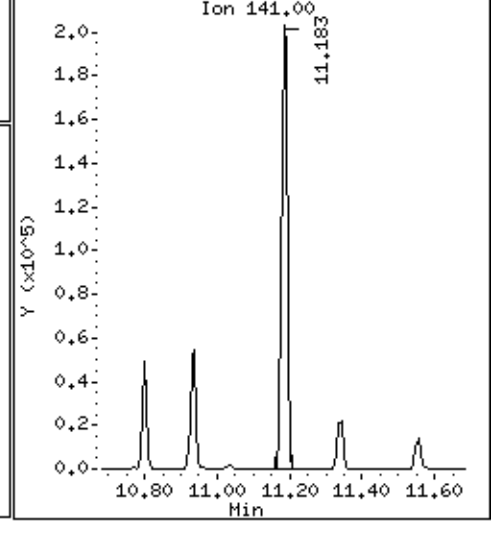












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

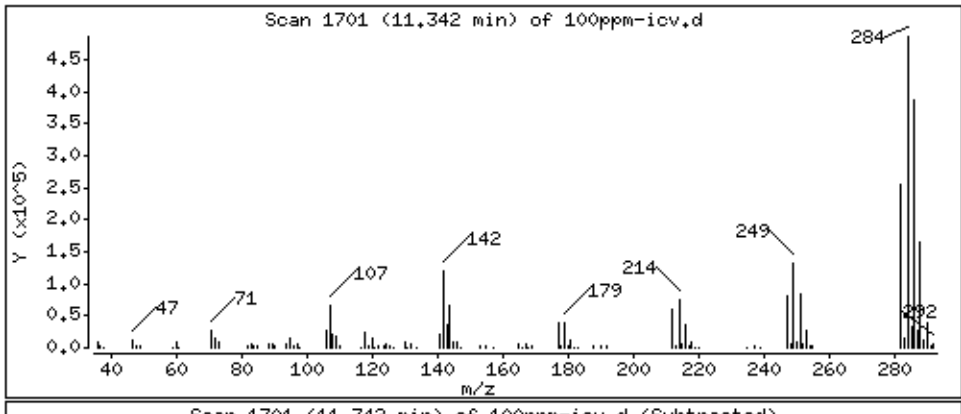
Operator: SN

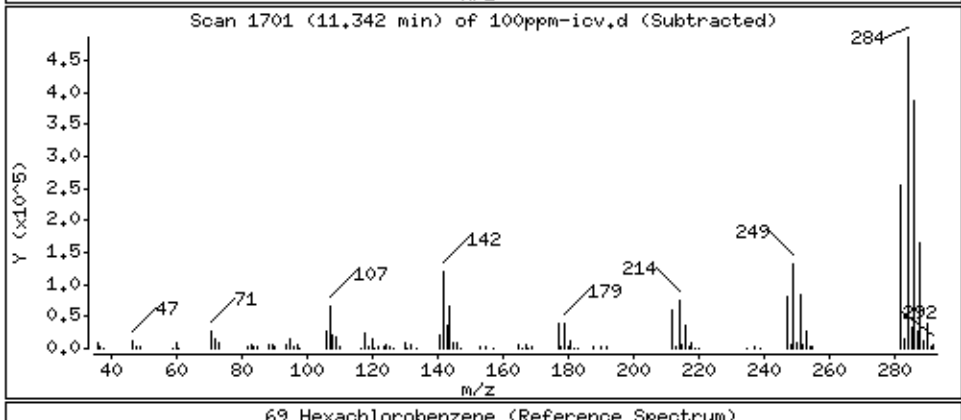
Column phase: .50um DB-5ms

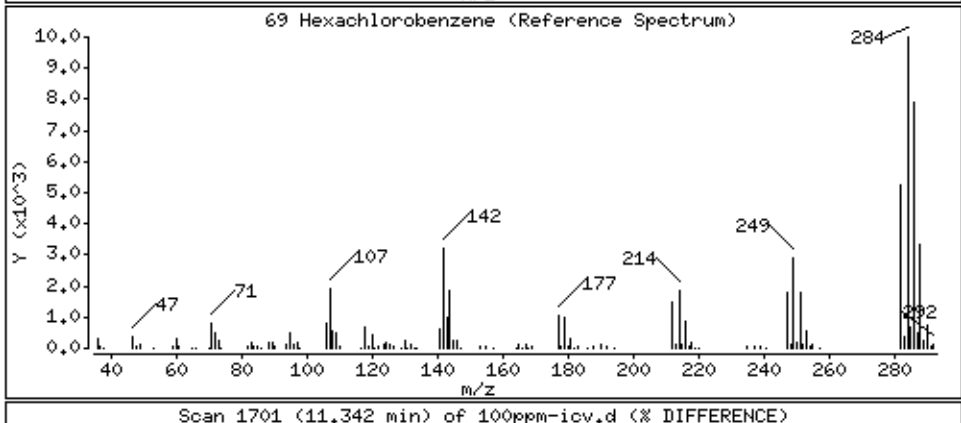
Column diameter: 0.25

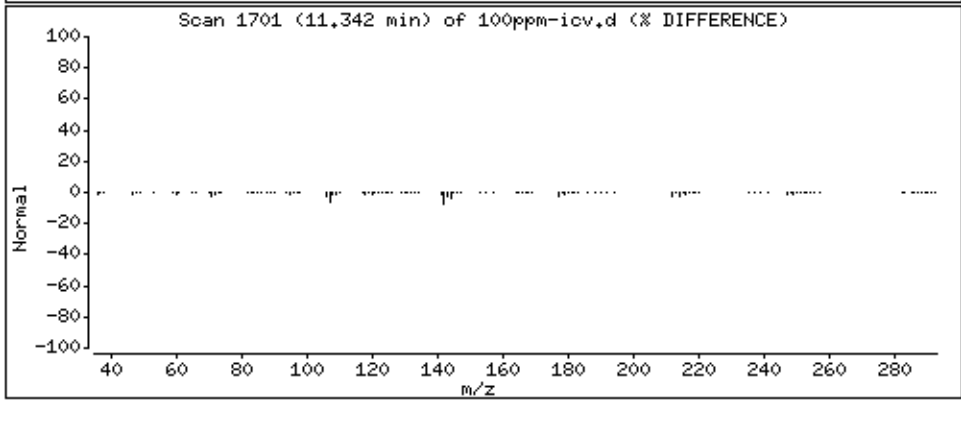
69 Hexachlorobenzene

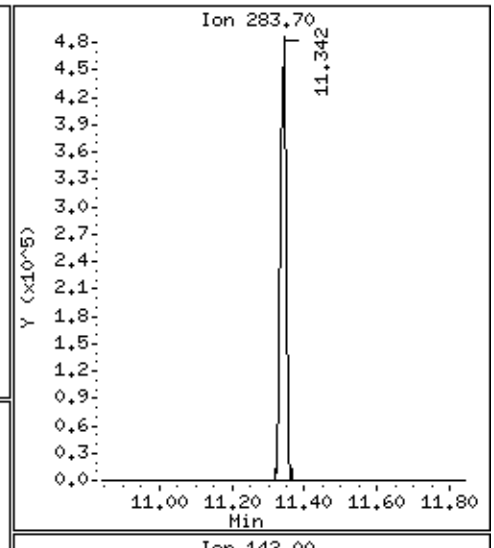
Concentration: 104.4 ug/L

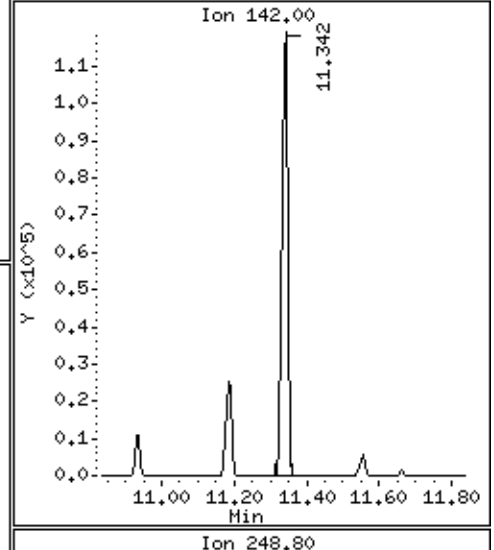


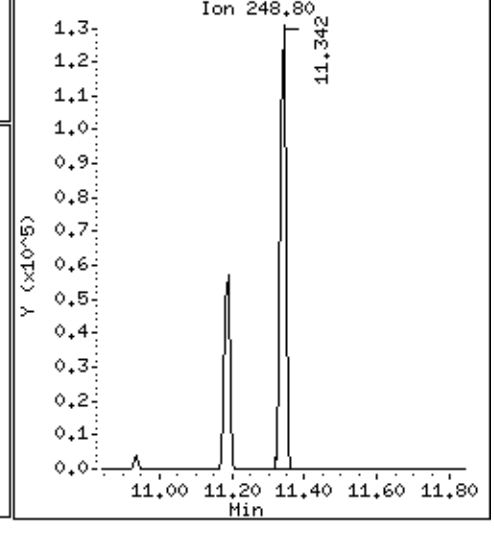












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

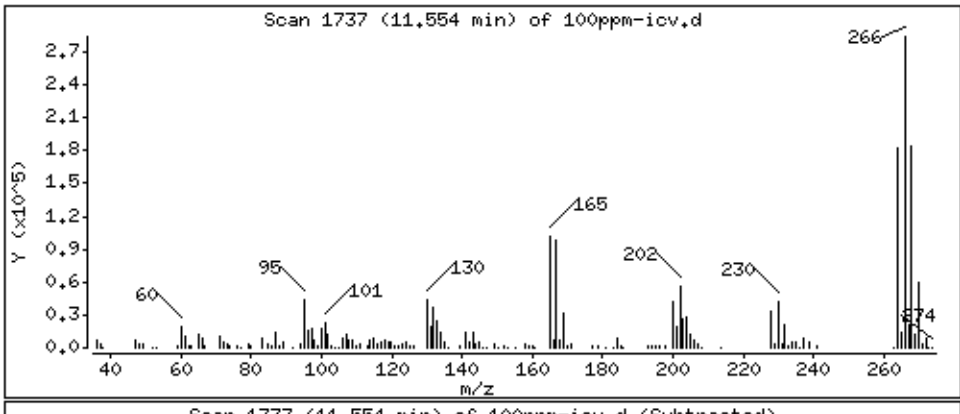
Operator: SN

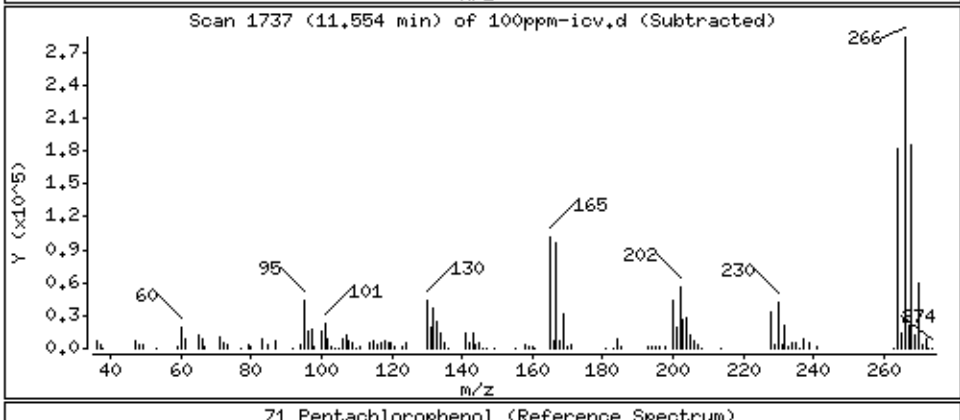
Column phase: .50um DB-5ms

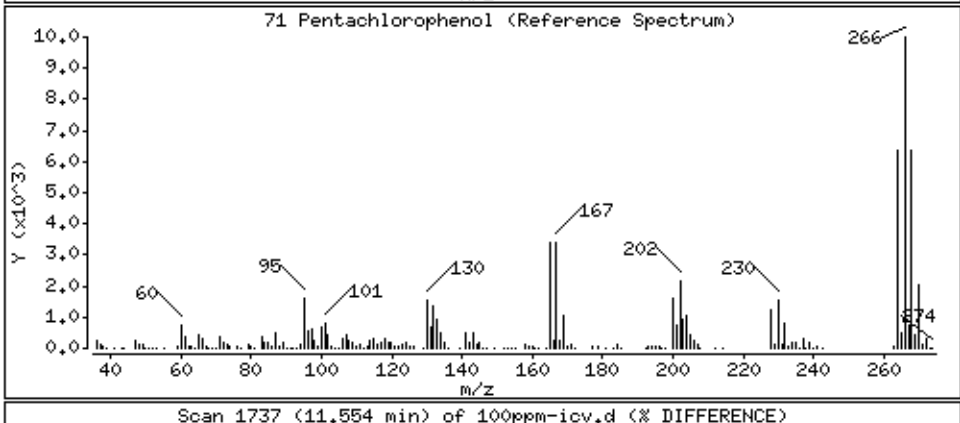
Column diameter: 0.25

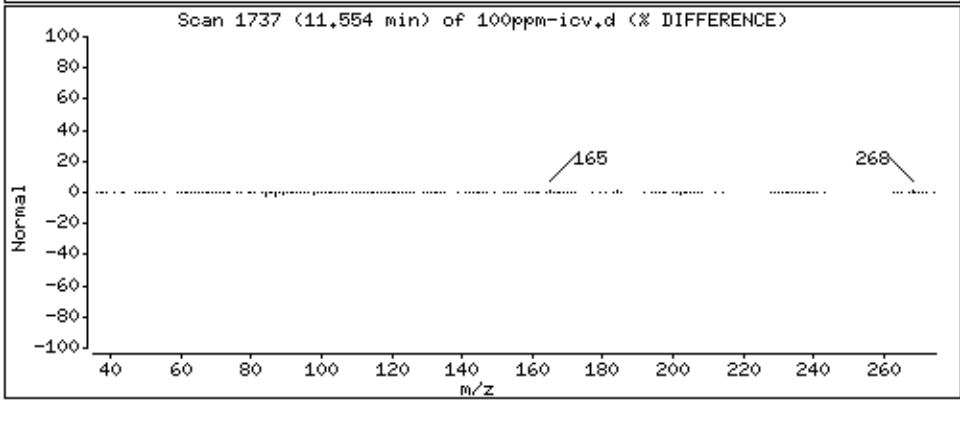
71 Pentachlorophenol

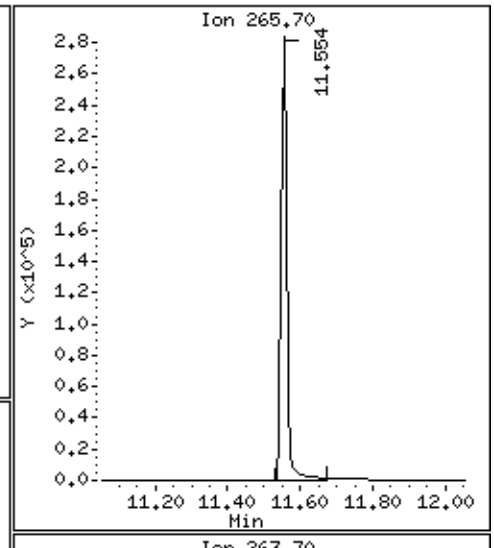
Concentration: 121.5 ug/L

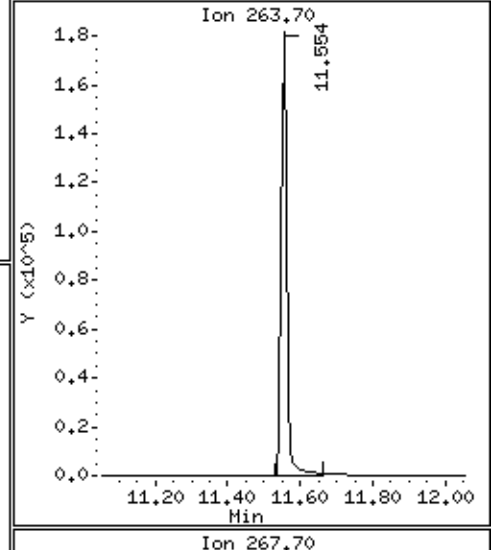


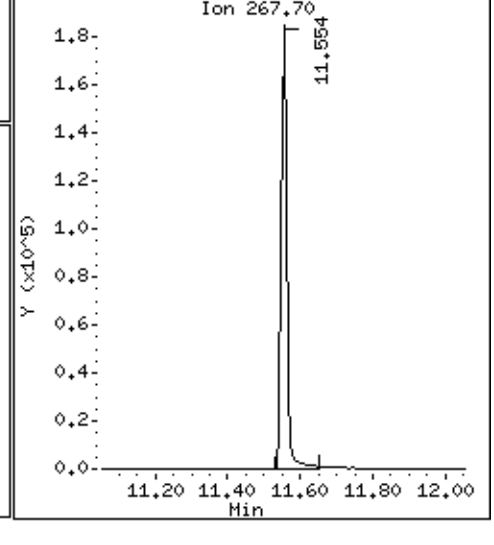












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

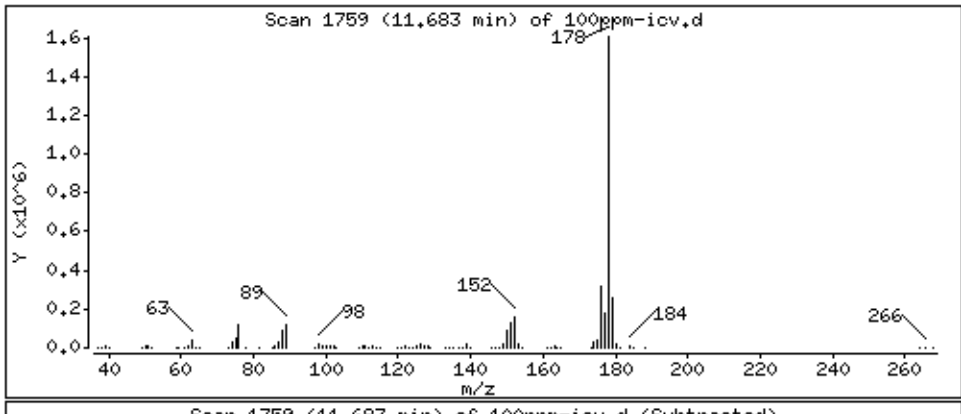
Operator: SN

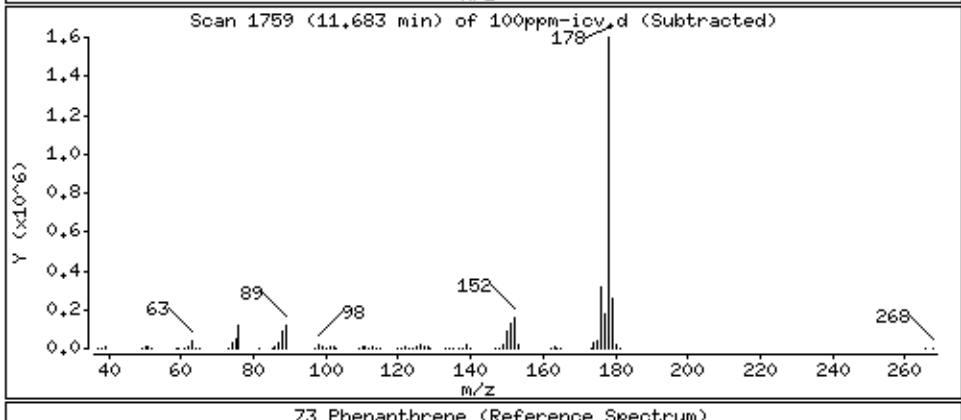
Column phase: .50um DB-5ms

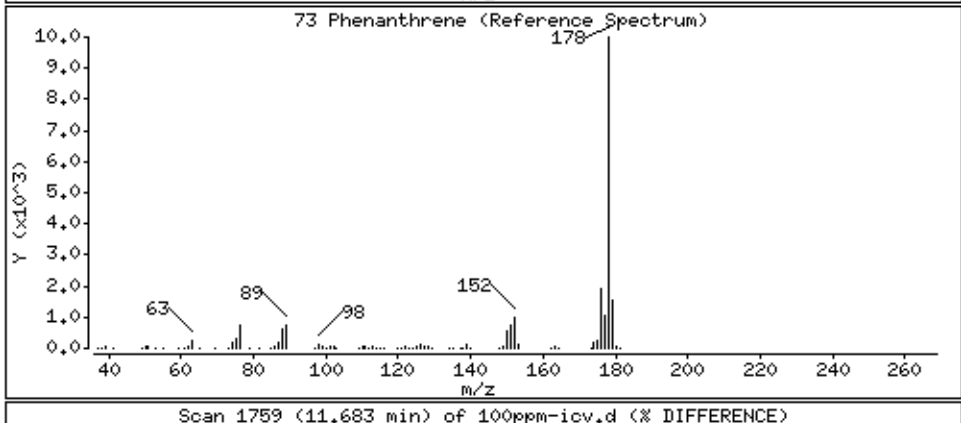
Column diameter: 0.25

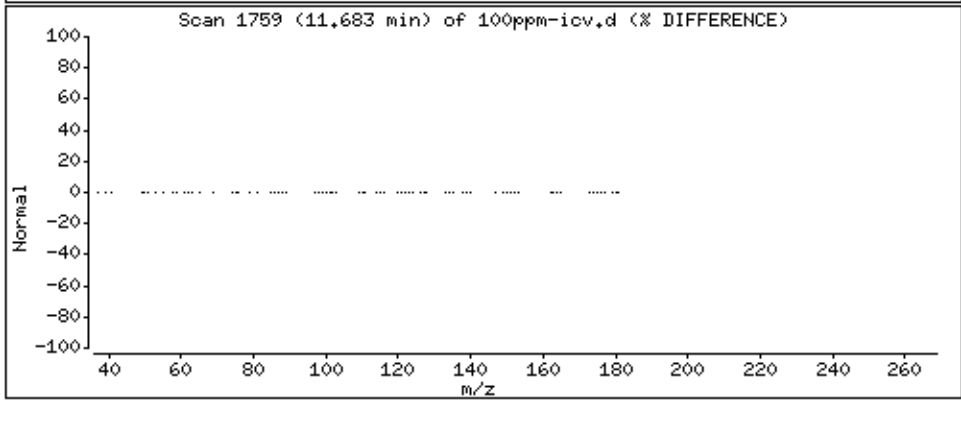
73 Phenanthrene

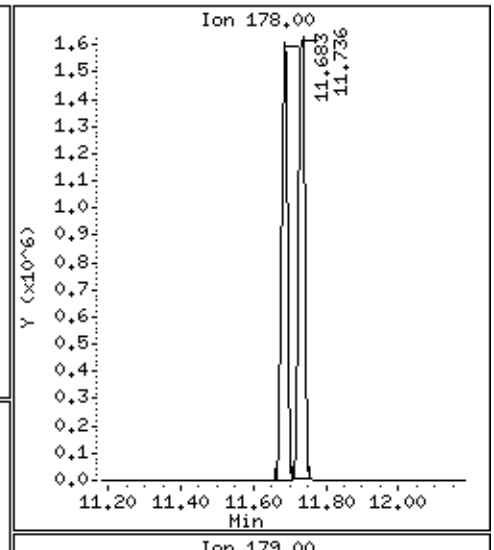
Concentration: 101.9 ug/L

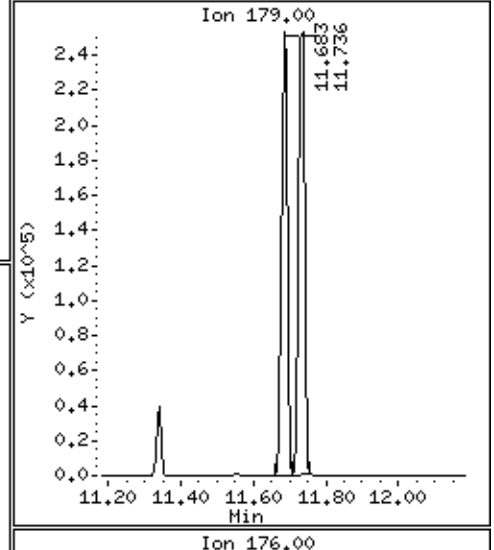


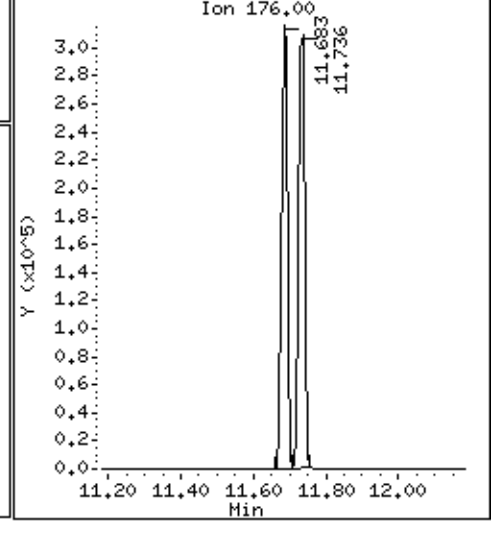












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

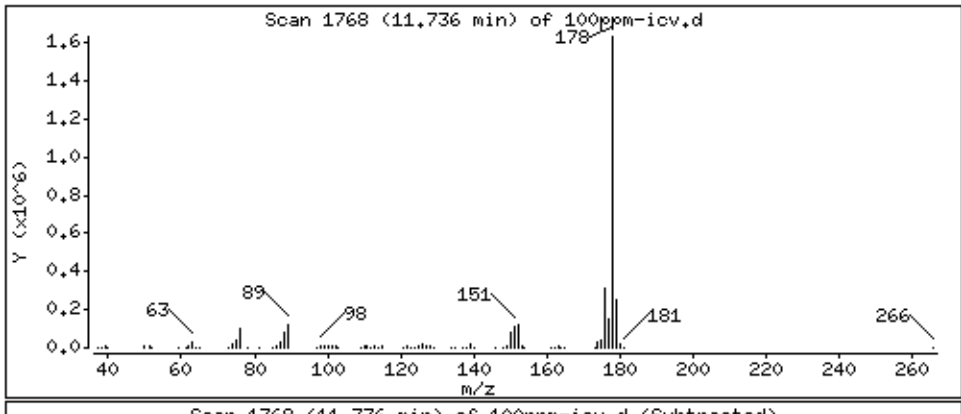
Operator: SN

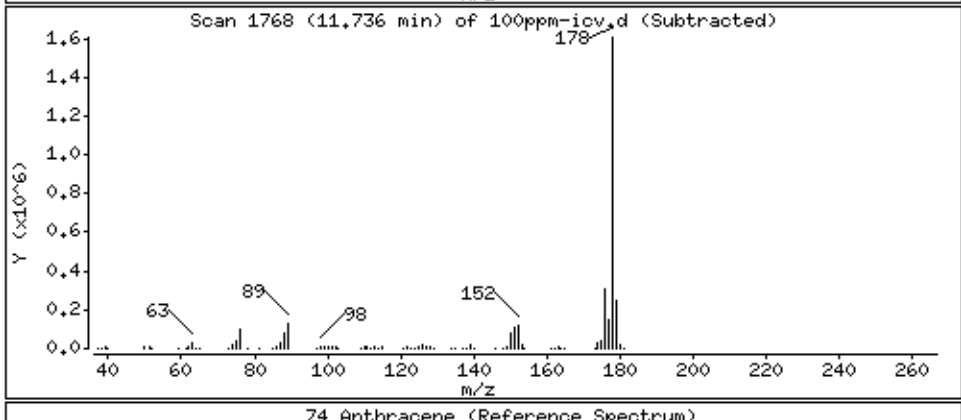
Column phase: .50um DB-5ms

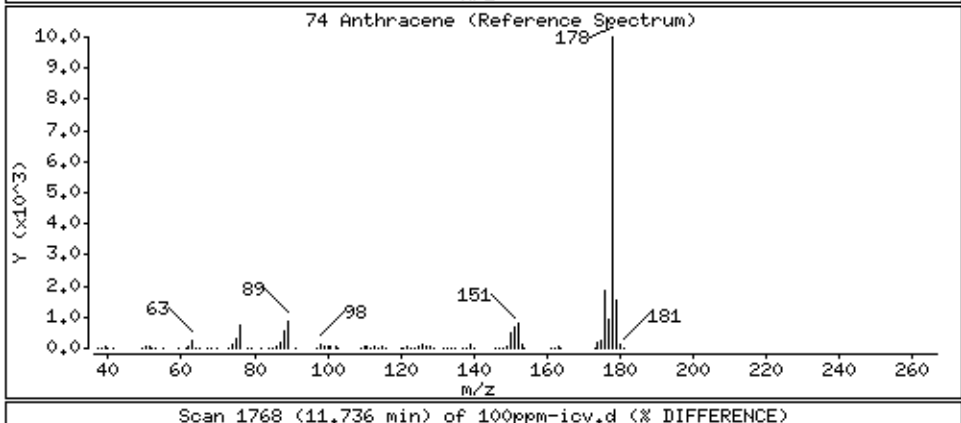
Column diameter: 0.25

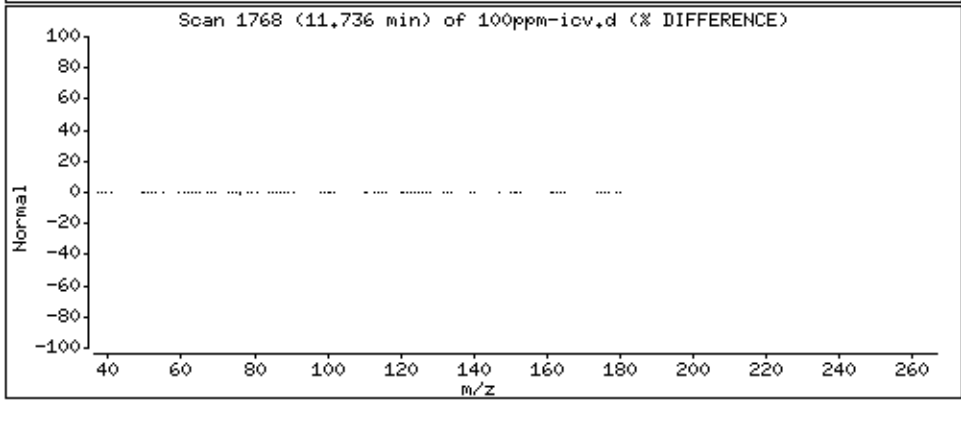
74 Anthracene

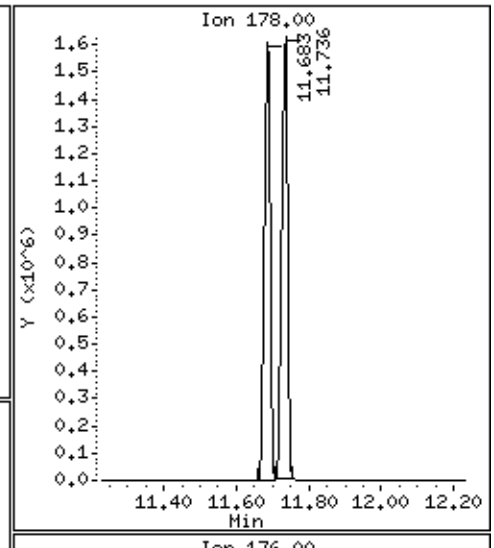
Concentration: 103.0 ug/L

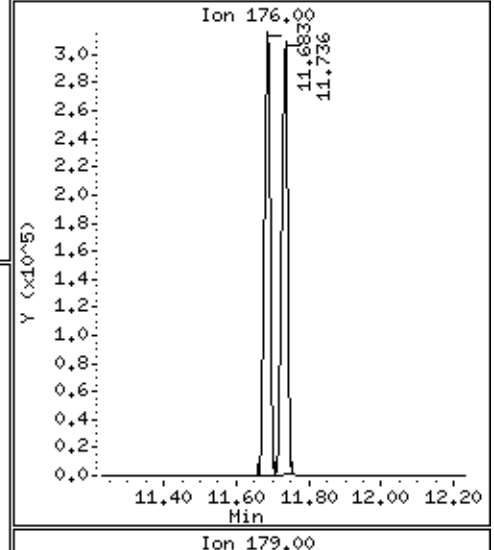


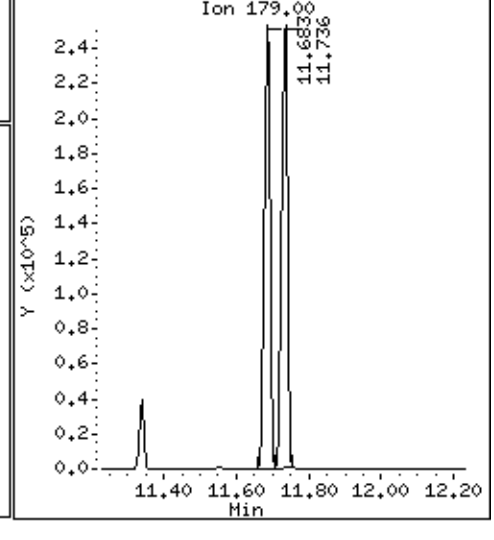












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

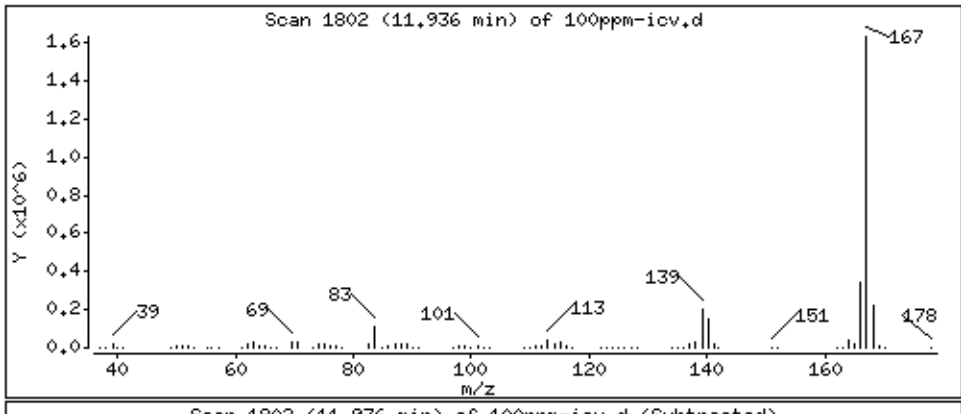
Operator: SN

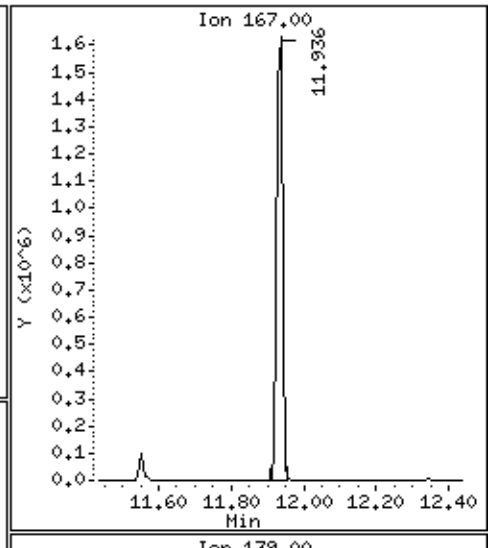
Column phase: .50um DB-5ms

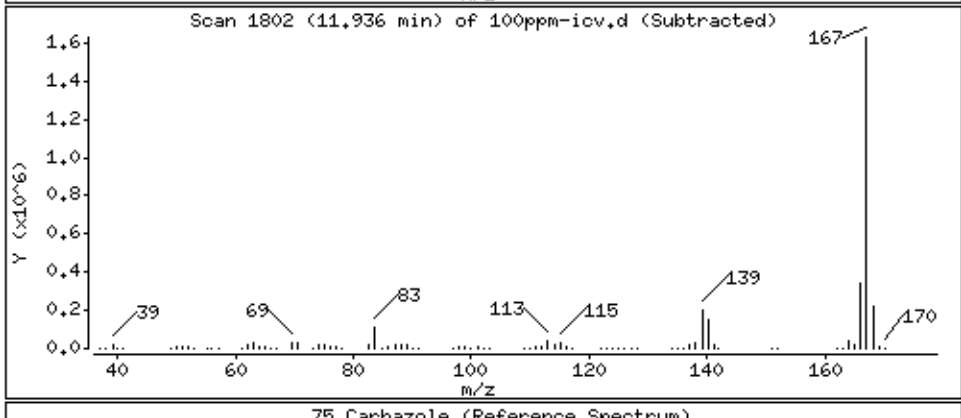
Column diameter: 0.25

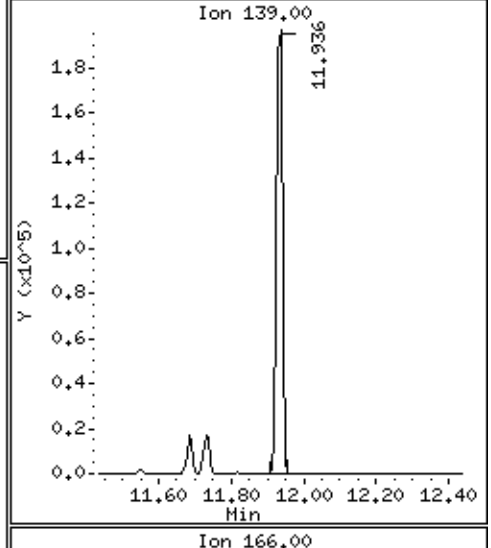
75 Carbazole

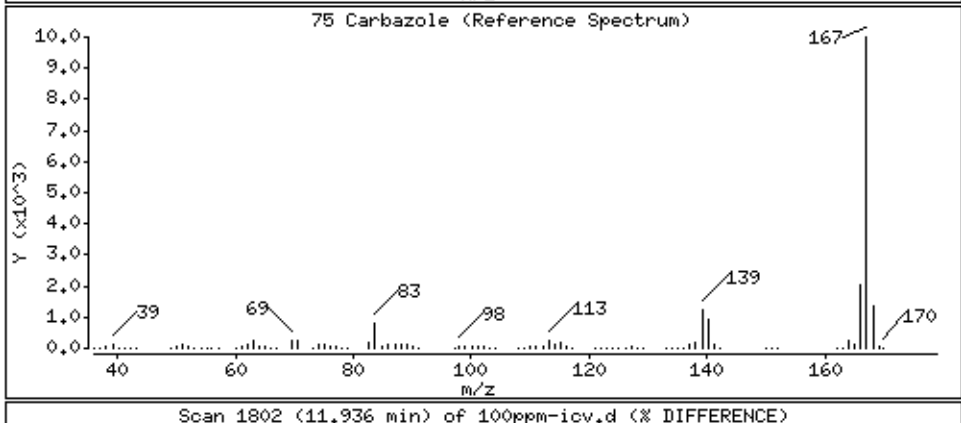
Concentration: 102.9 ug/L

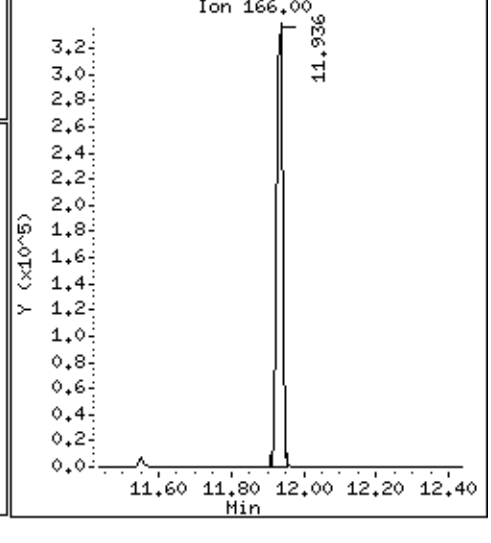


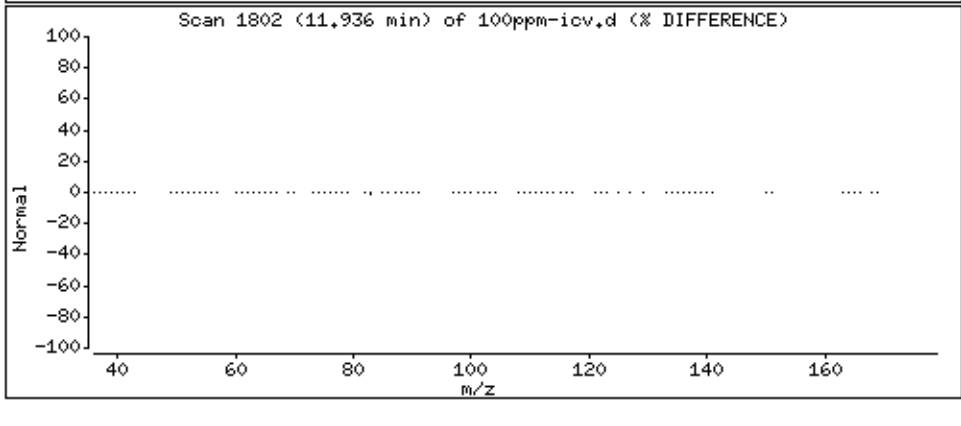












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

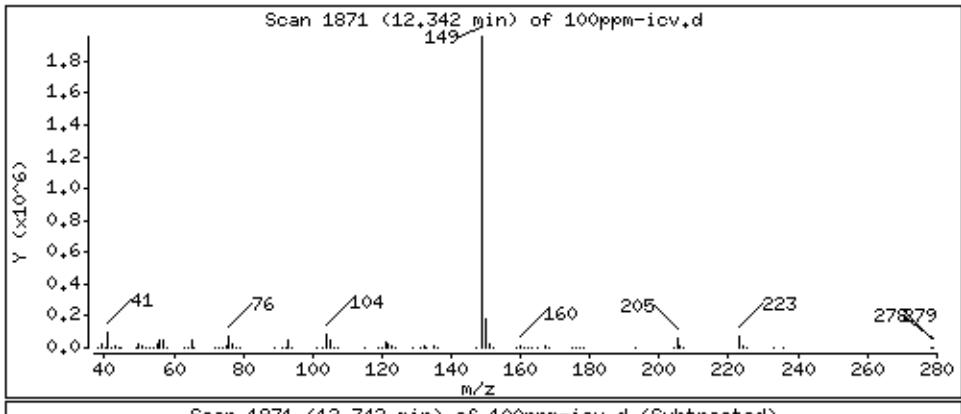
Operator: SN

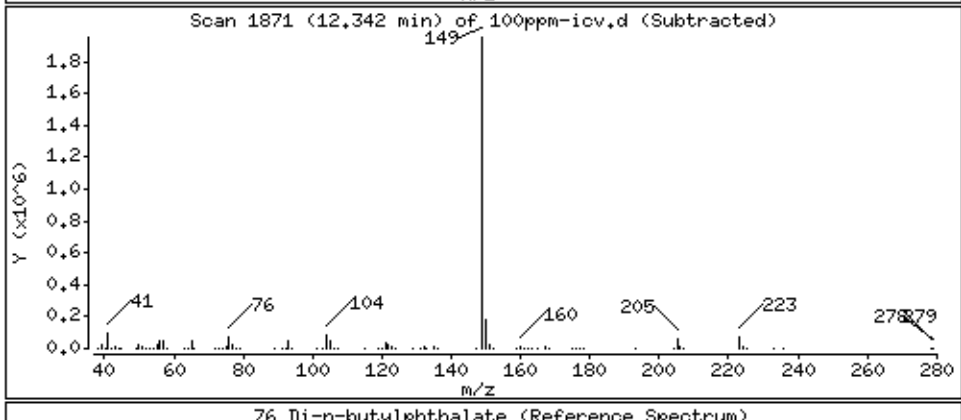
Column phase: .50um DB-5ms

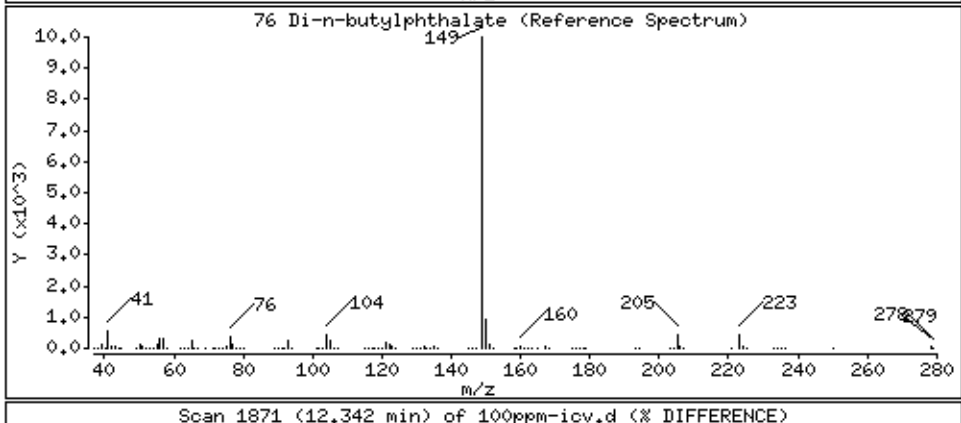
Column diameter: 0.25

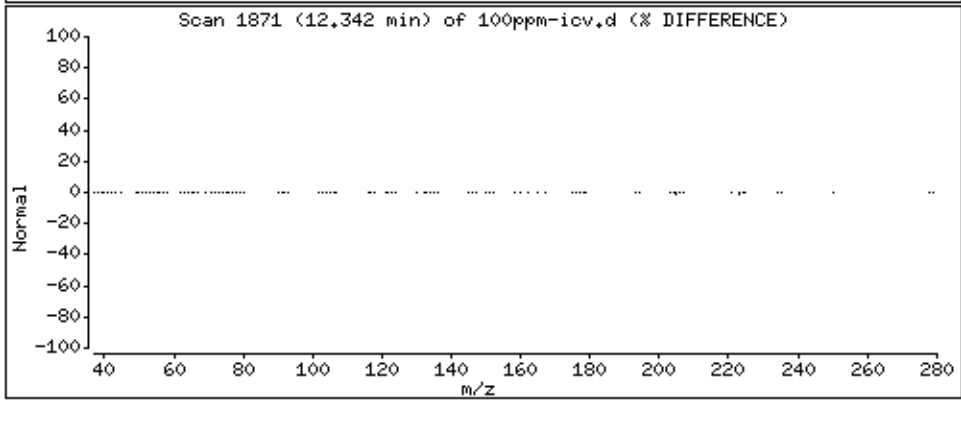
76 Di-n-butylphthalate

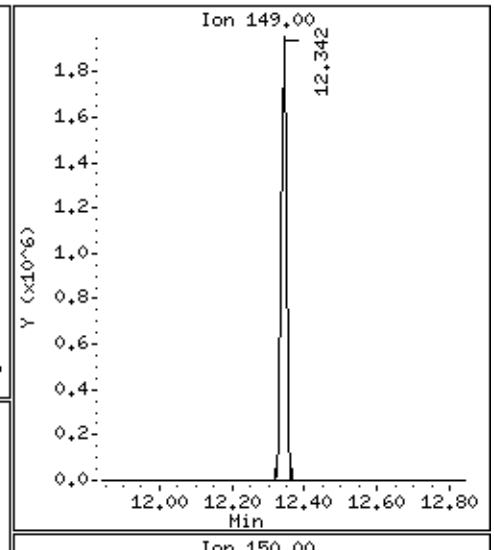
Concentration: 99.49 ug/L

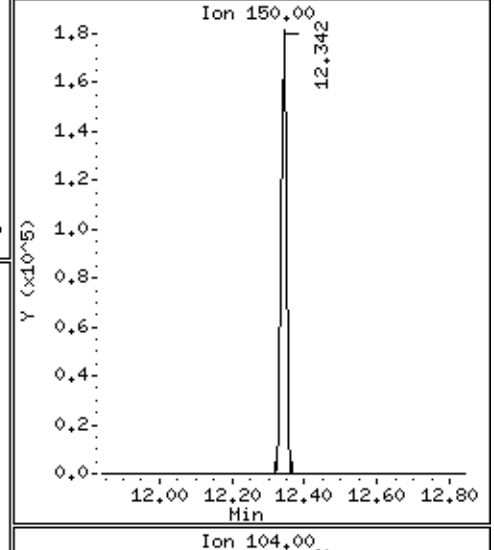


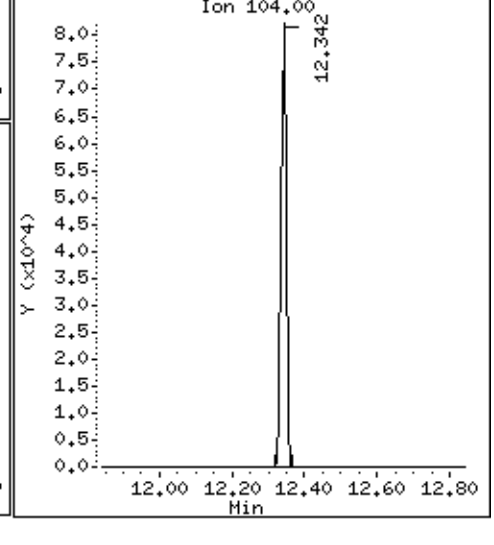












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

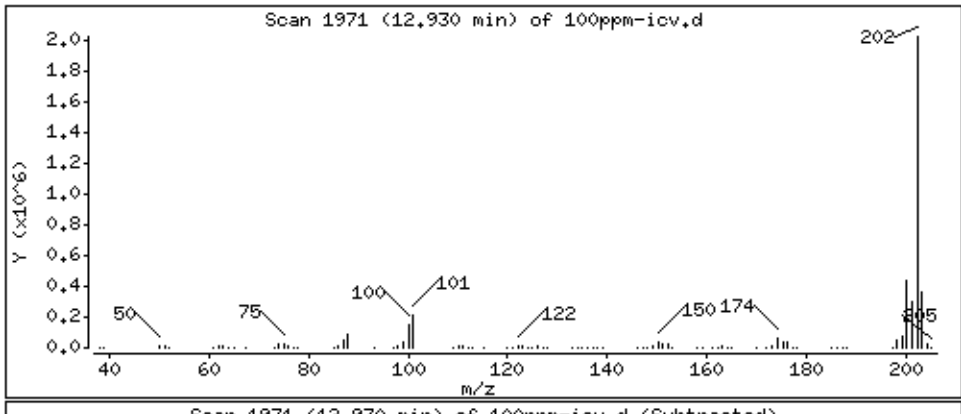
Operator: SN

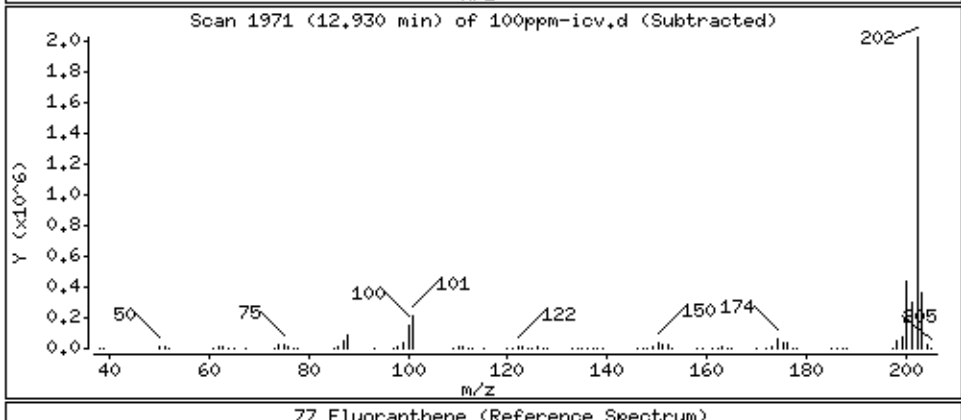
Column phase: .50um DB-5ms

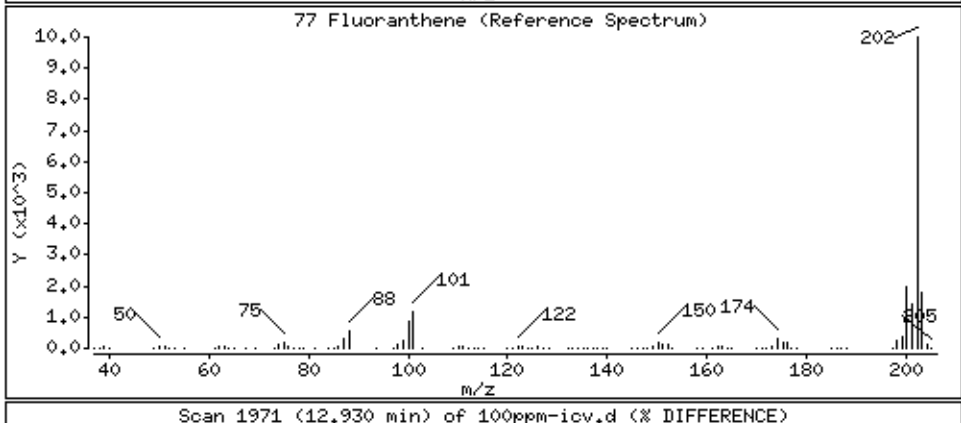
Column diameter: 0.25

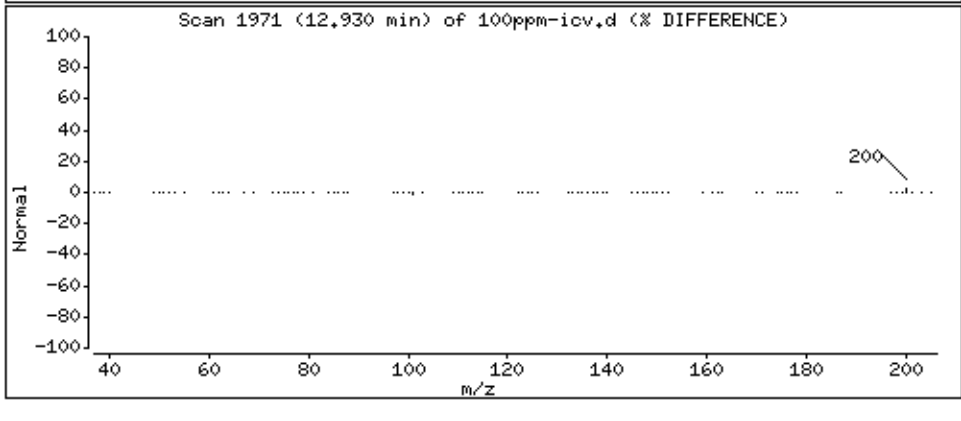
77 Fluoranthene

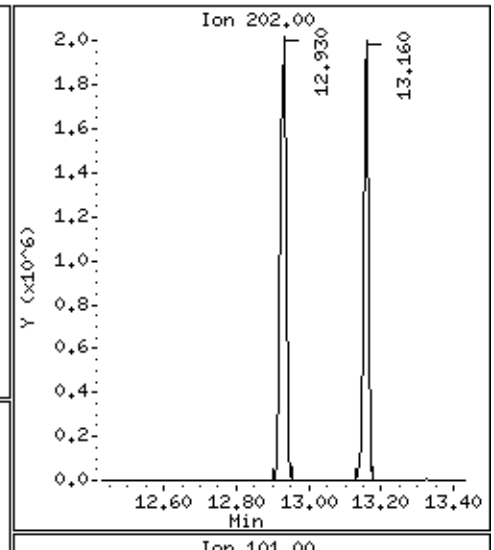
Concentration: 101.7 ug/L

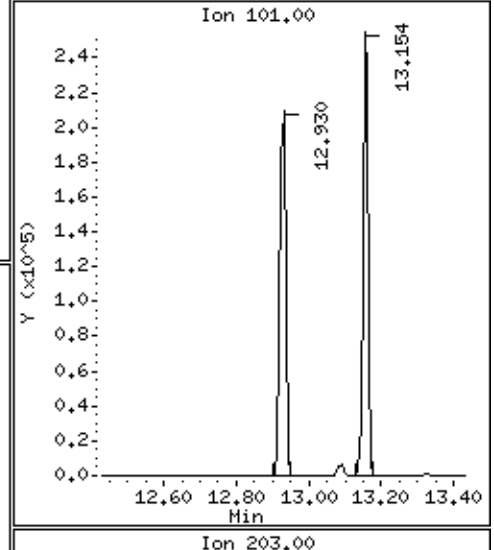


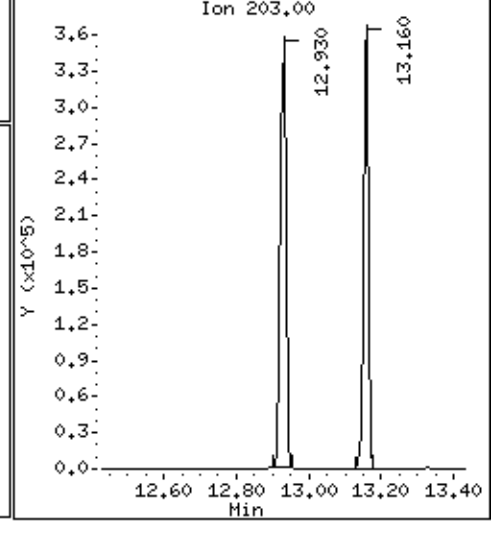












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

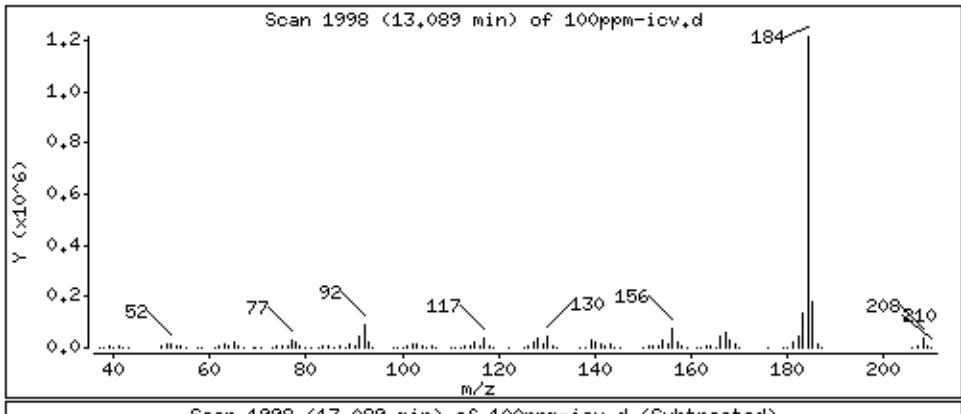
Operator: SN

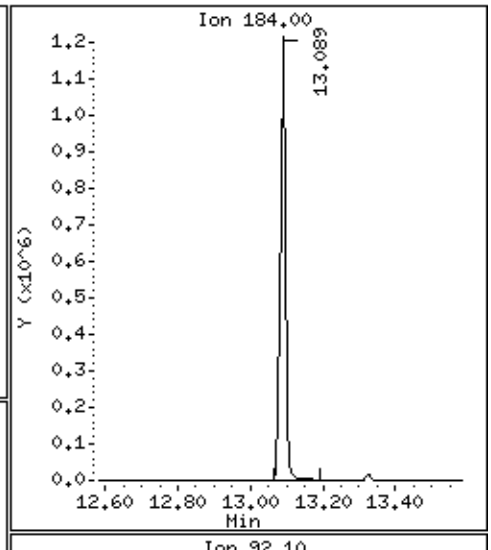
Column phase: .50um DB-5ms

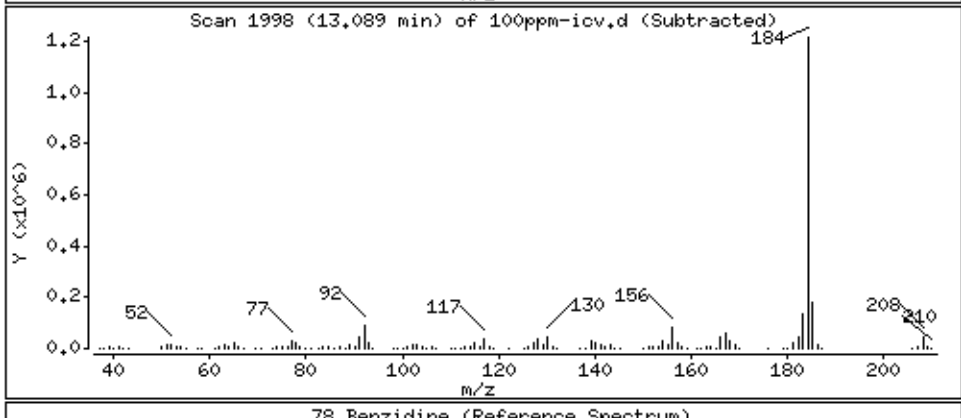
Column diameter: 0.25

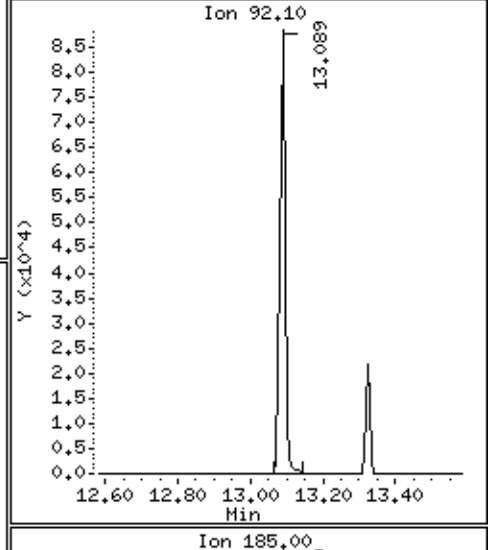
78 Benzidine

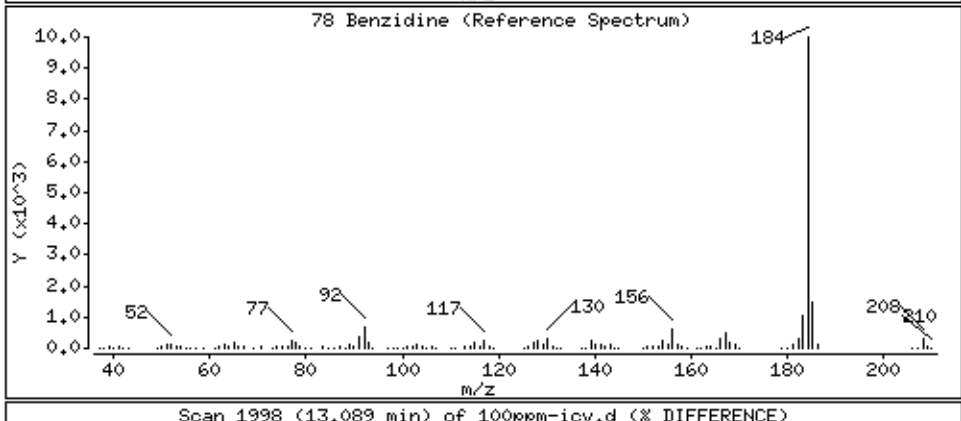
Concentration: 230.5 ug/L

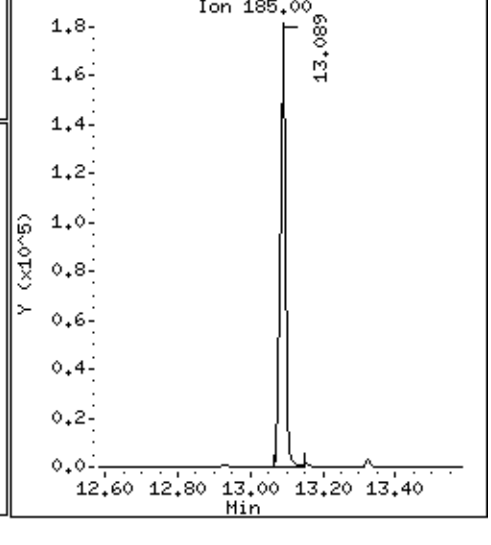


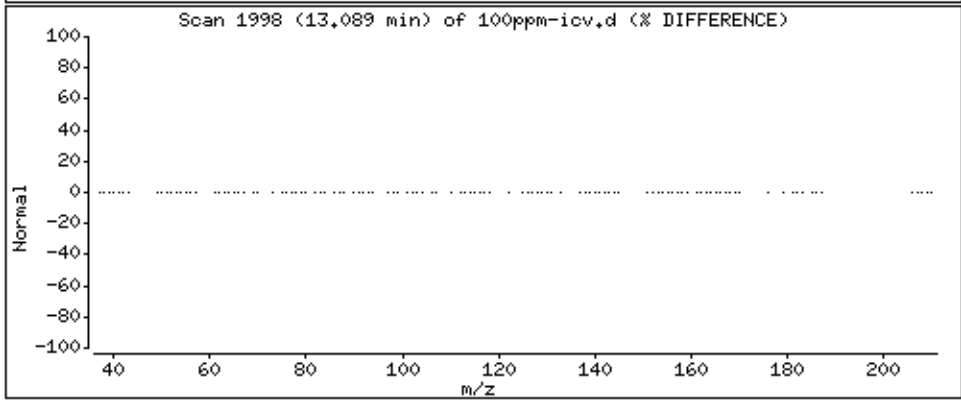












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

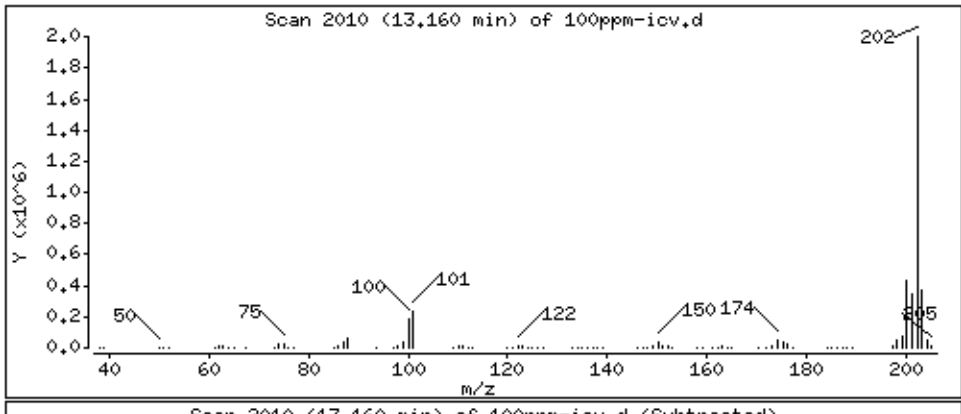
Operator: SN

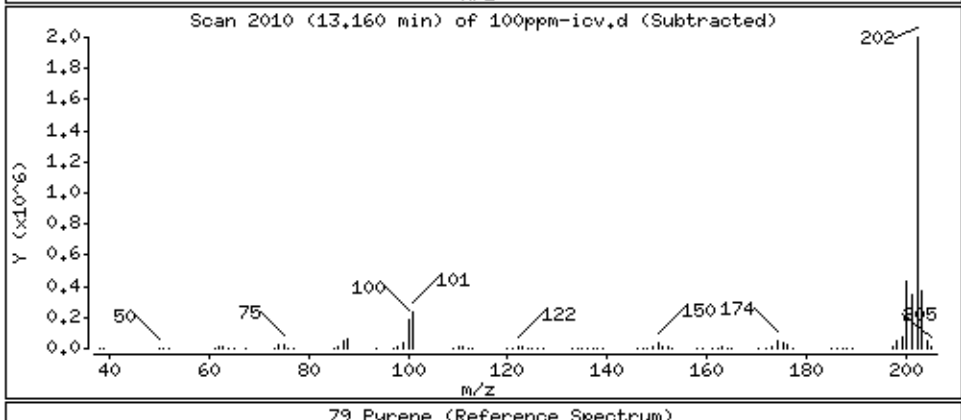
Column phase: .50um DB-5ms

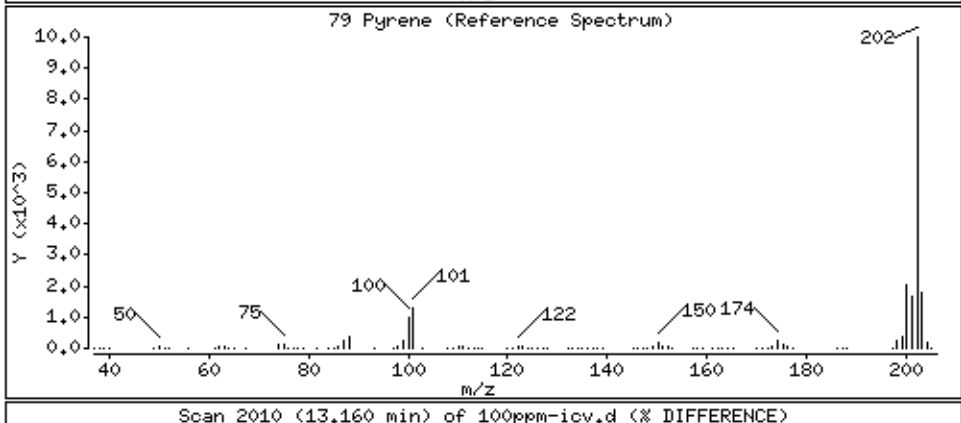
Column diameter: 0.25

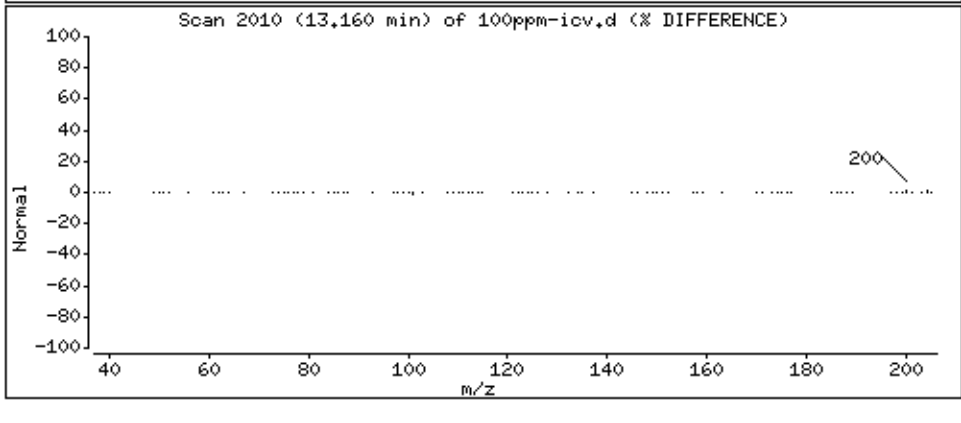
79 Pyrene

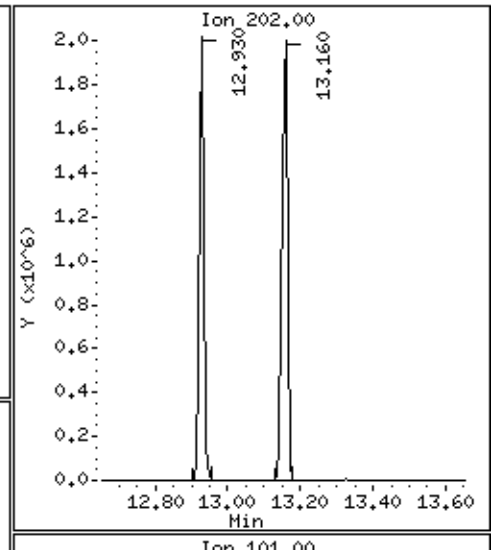
Concentration: 100.9 ug/L

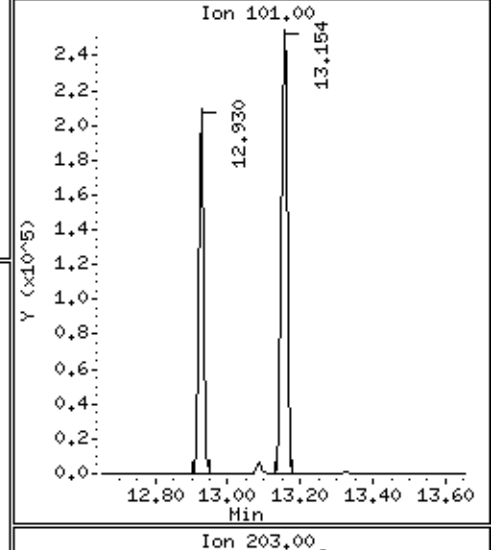


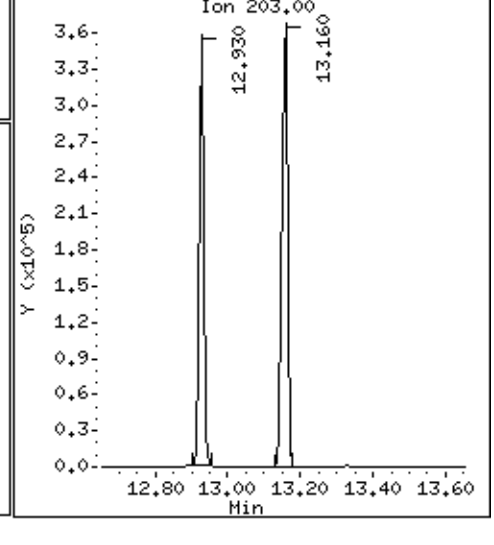












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

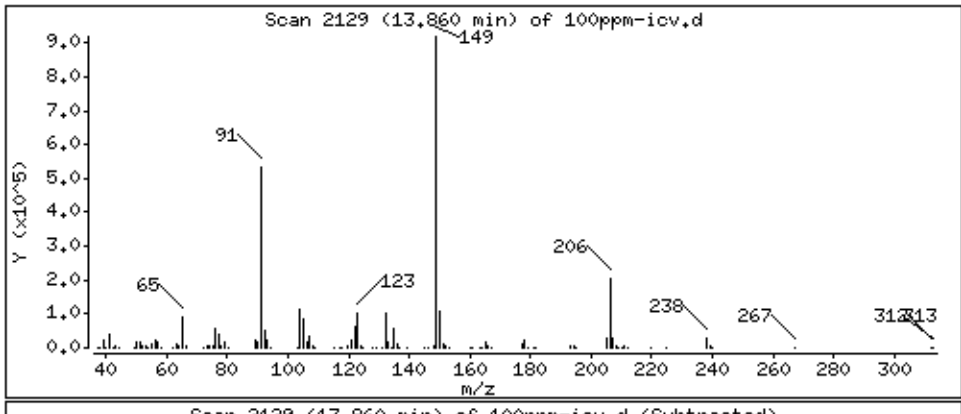
Operator: SN

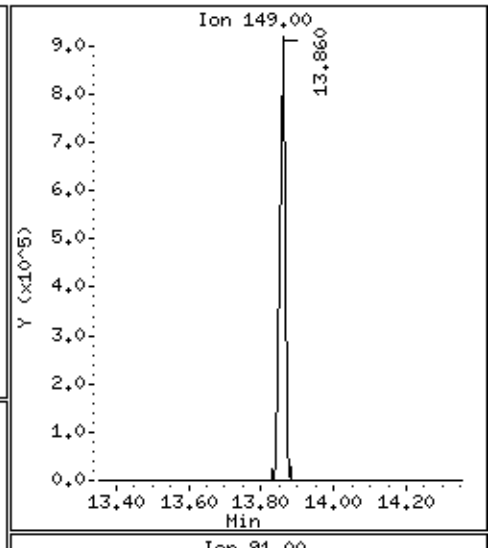
Column phase: .50um DB-5ms

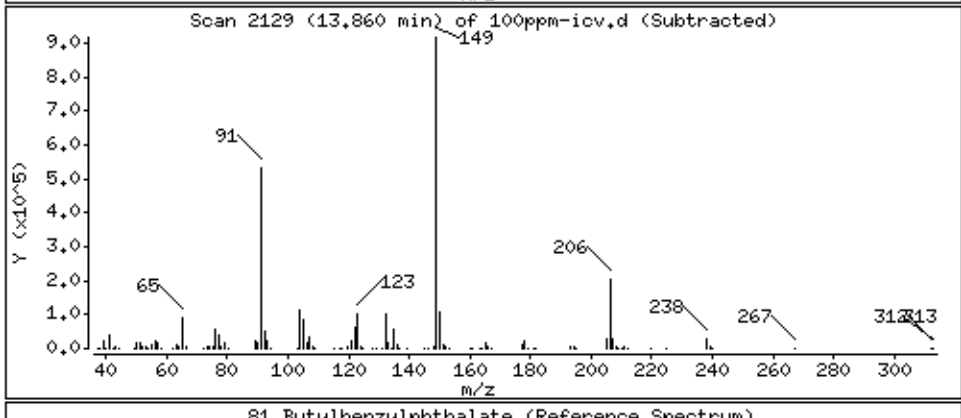
Column diameter: 0.25

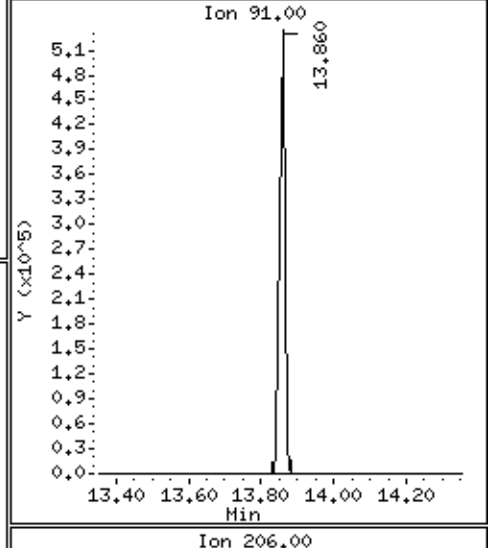
81 Butylbenzylphthalate

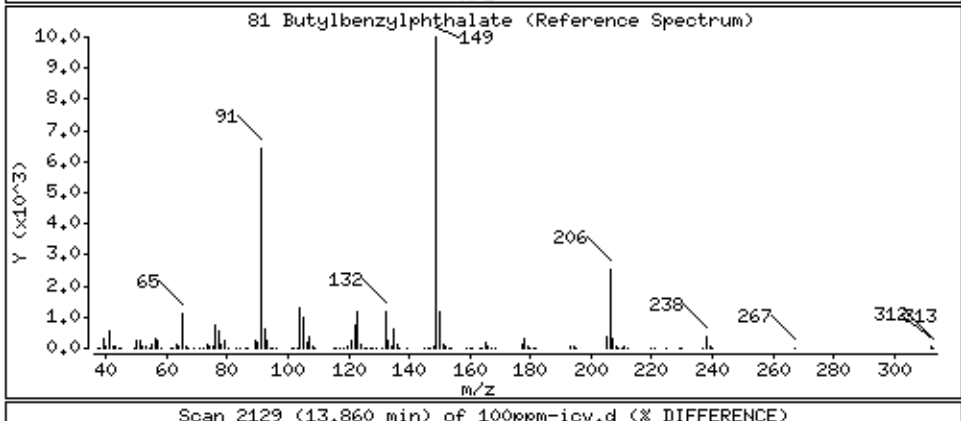
Concentration: 105.8 ug/L

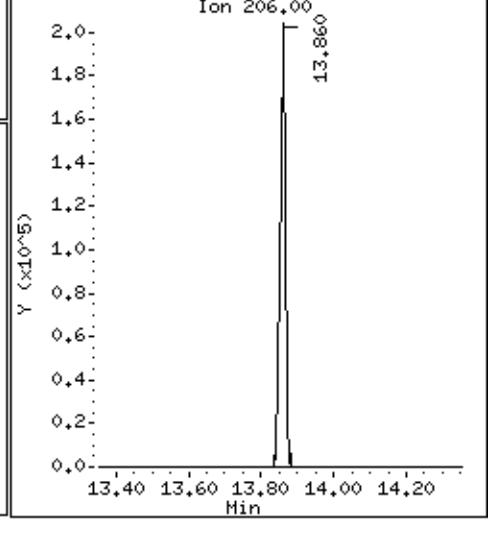


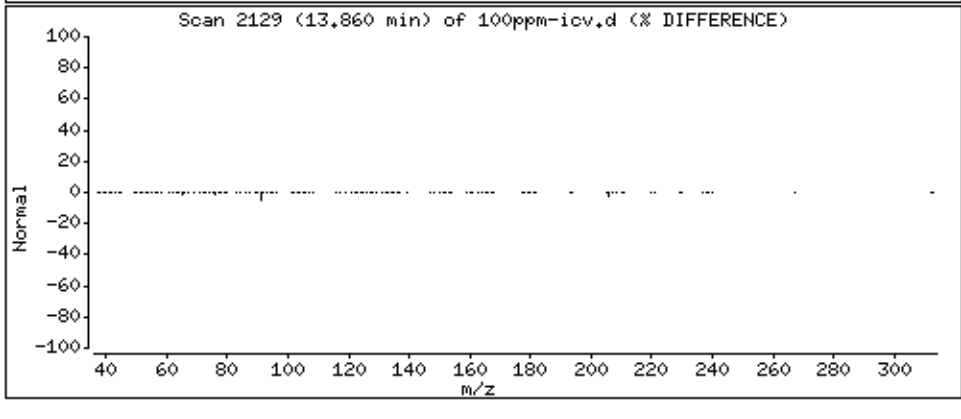












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

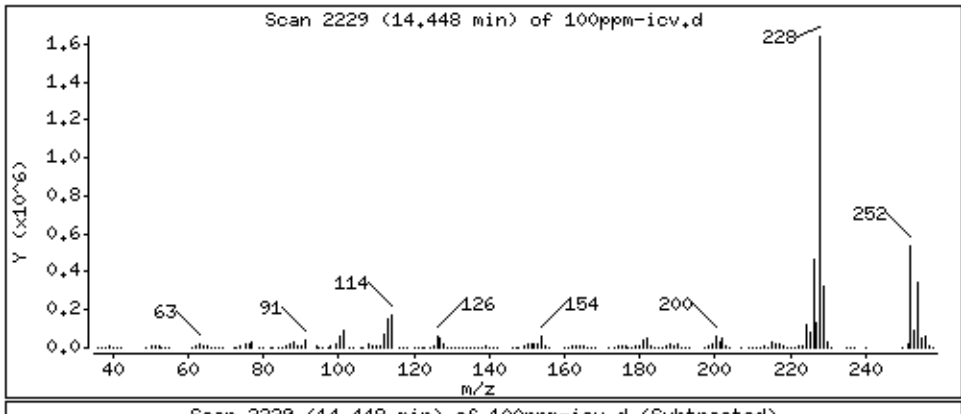
Operator: SN

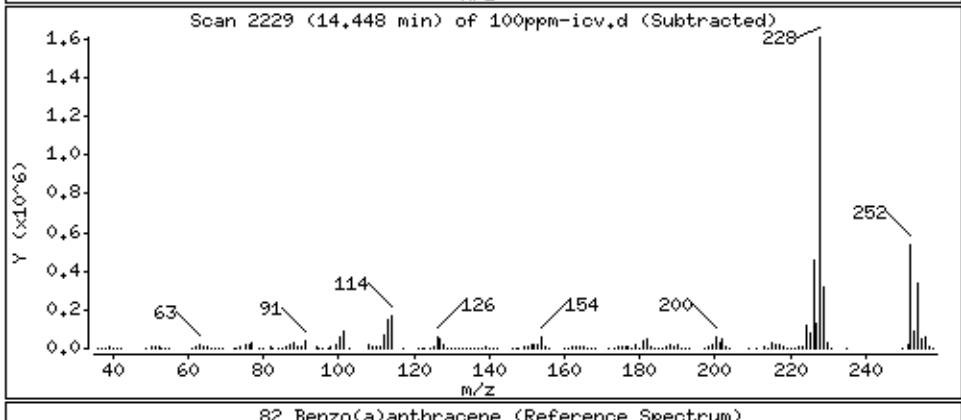
Column phase: .50um DB-5ms

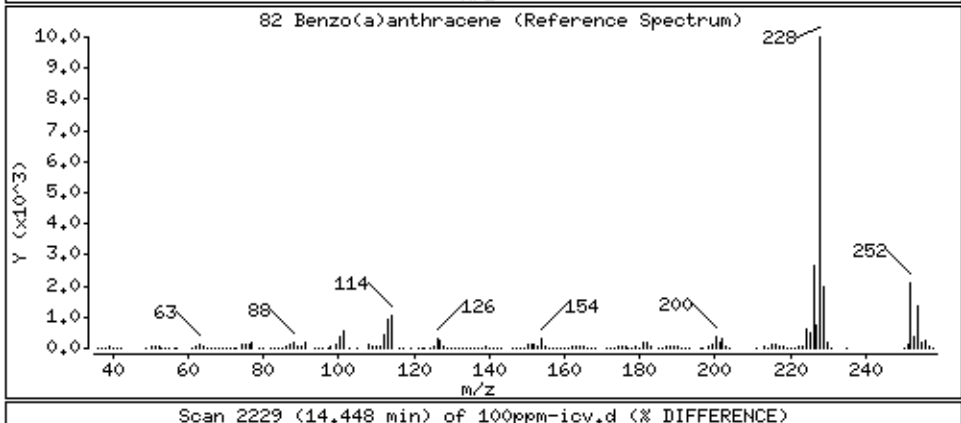
Column diameter: 0.25

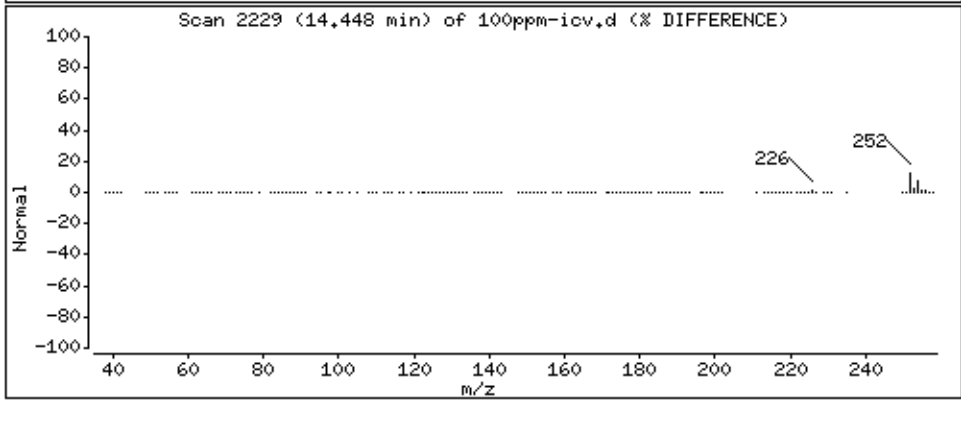
82 Benzo(a)anthracene

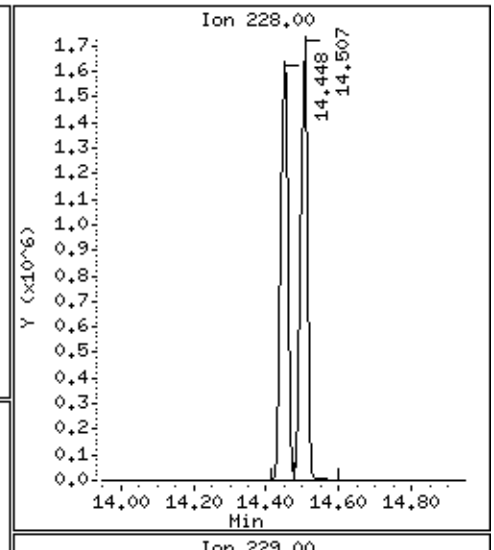
Concentration: 101.0 ug/L

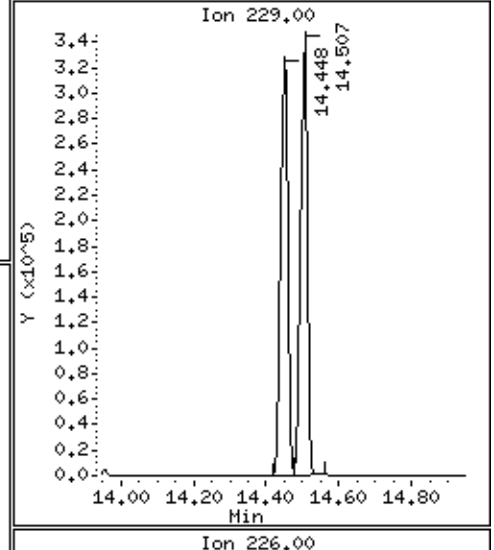


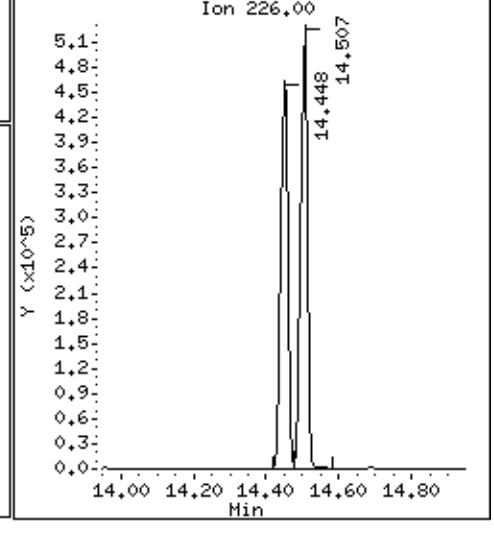












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

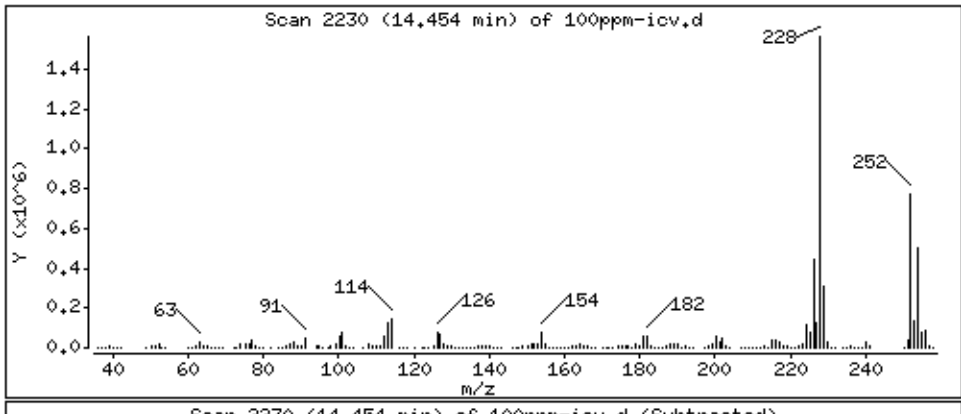
Operator: SN

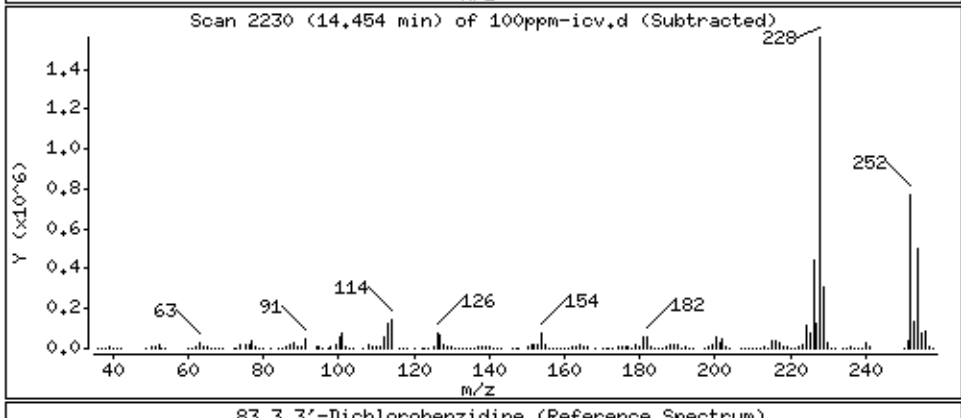
Column phase: .50um DB-5ms

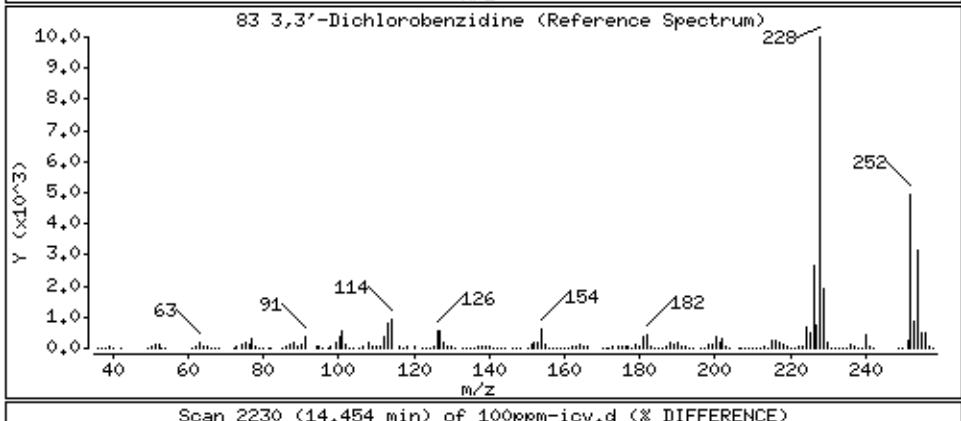
Column diameter: 0.25

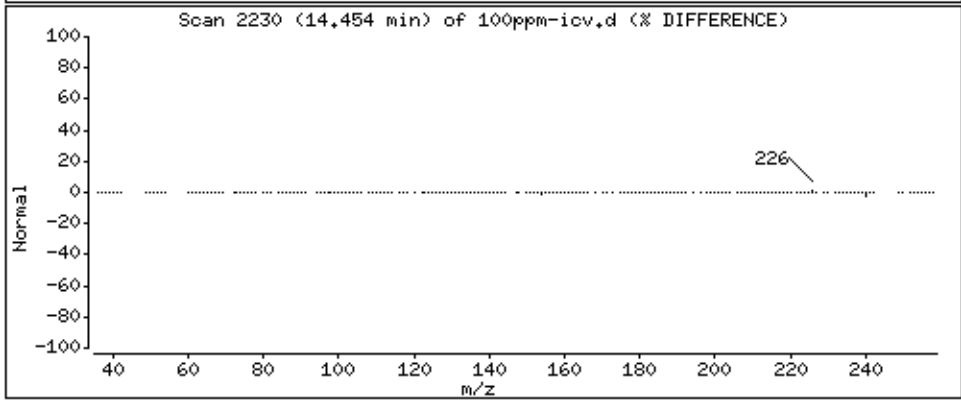
83 3,3'-Dichlorobenzidine

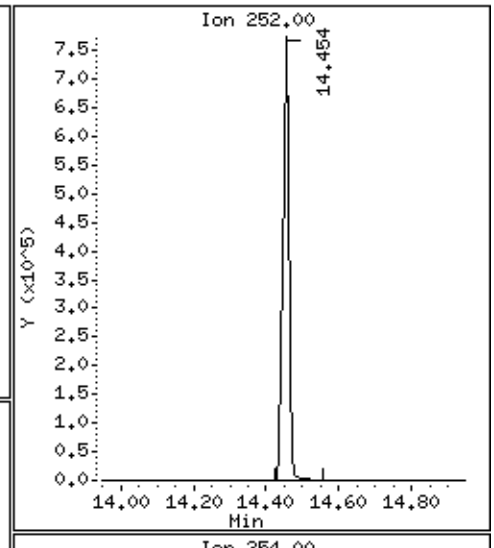
Concentration: 130.8 ug/L

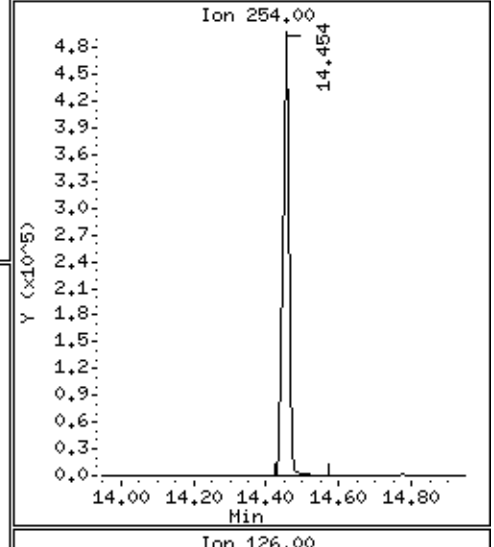


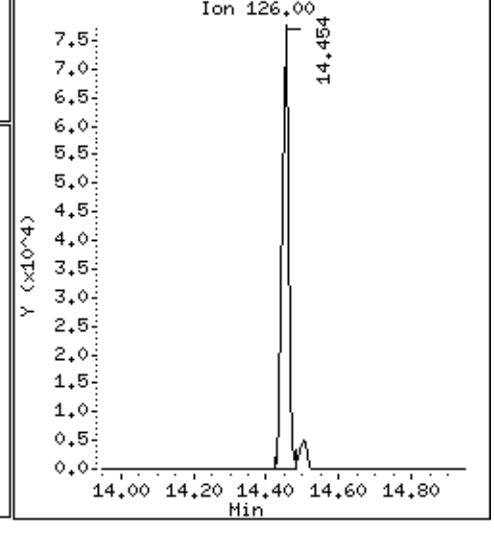












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

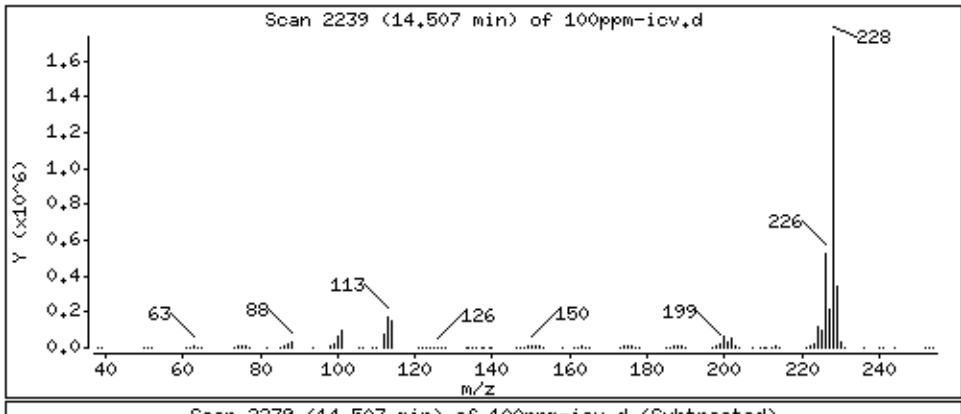
Operator: SN

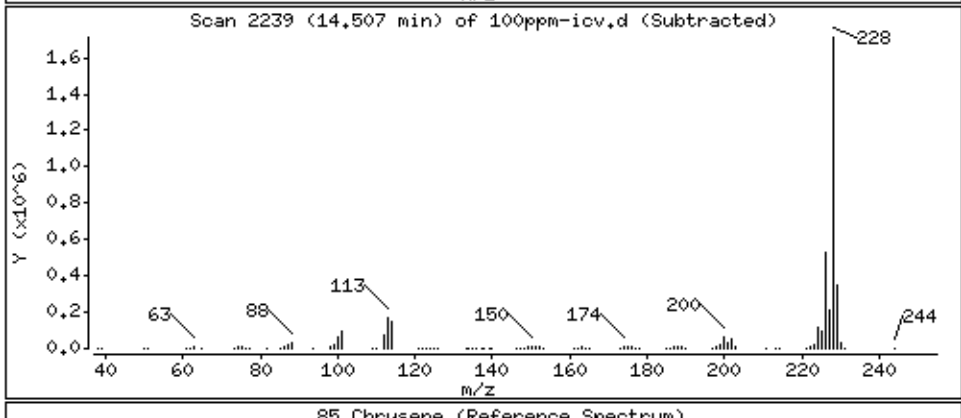
Column phase: .50um DB-5ms

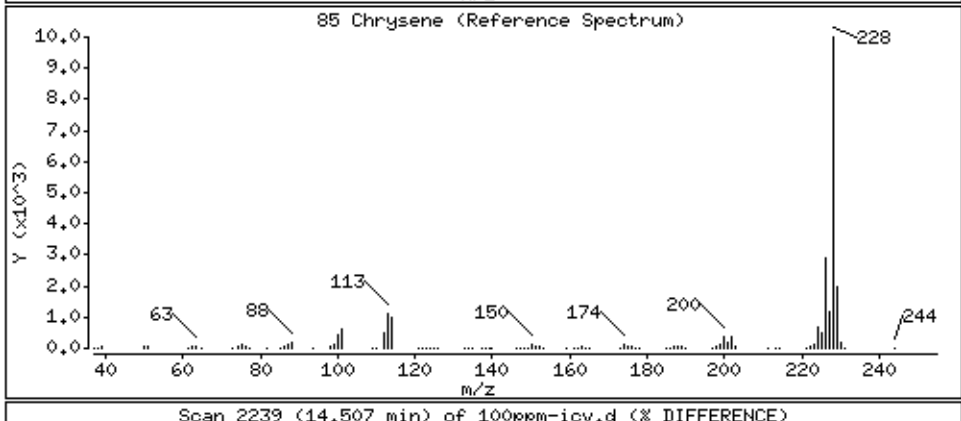
Column diameter: 0.25

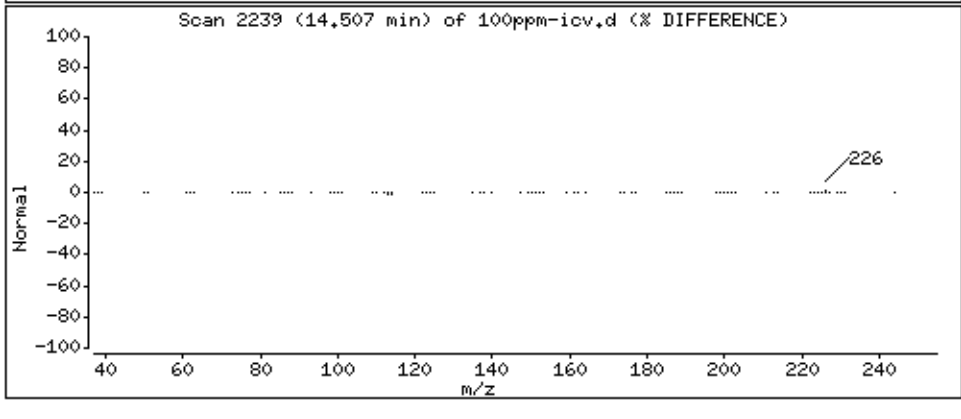
85 Chrysene

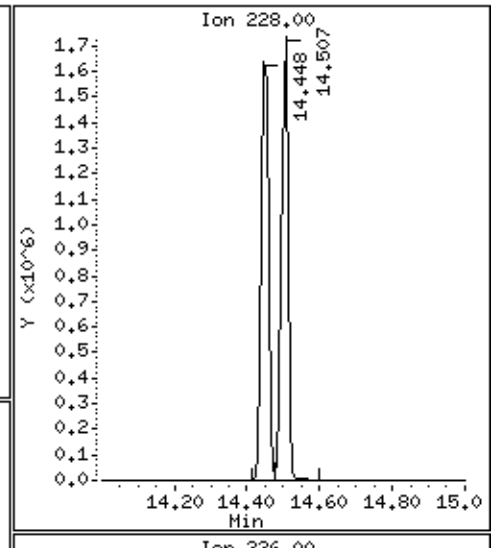
Concentration: 105.0 ug/L

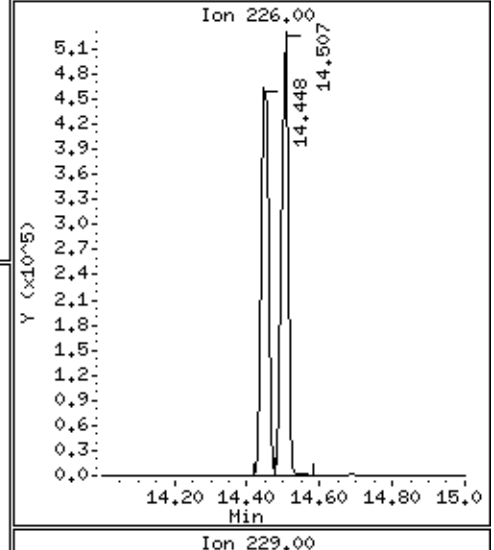


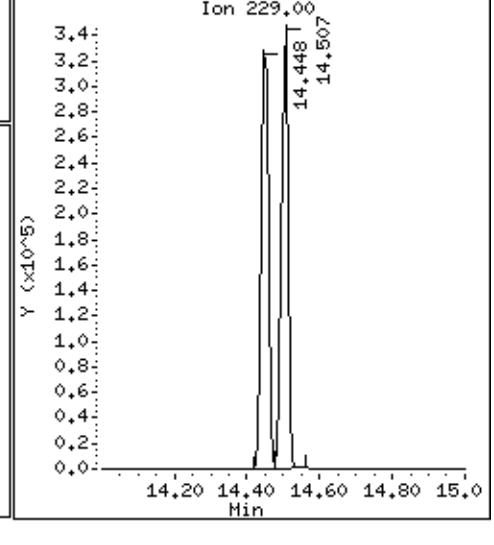












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

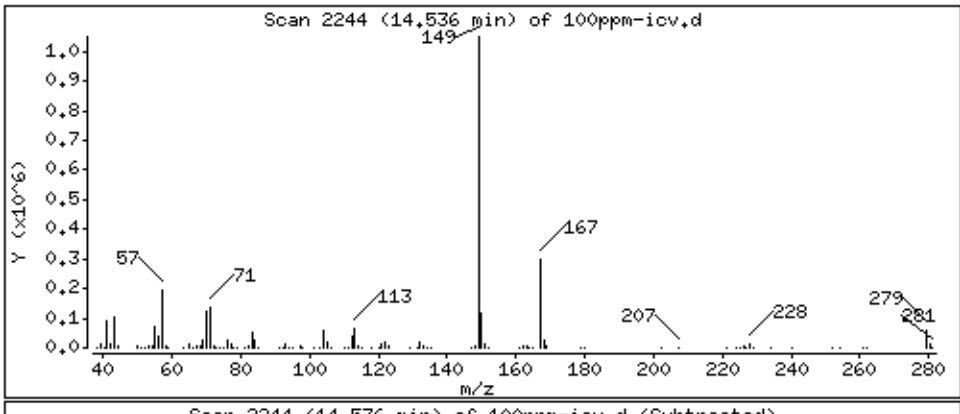
Operator: SN

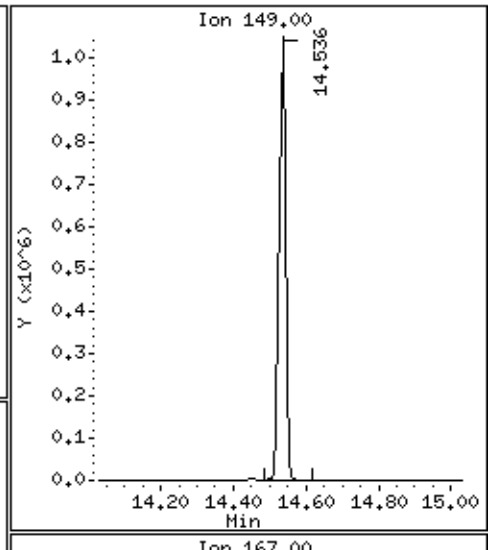
Column phase: .50um DB-5ms

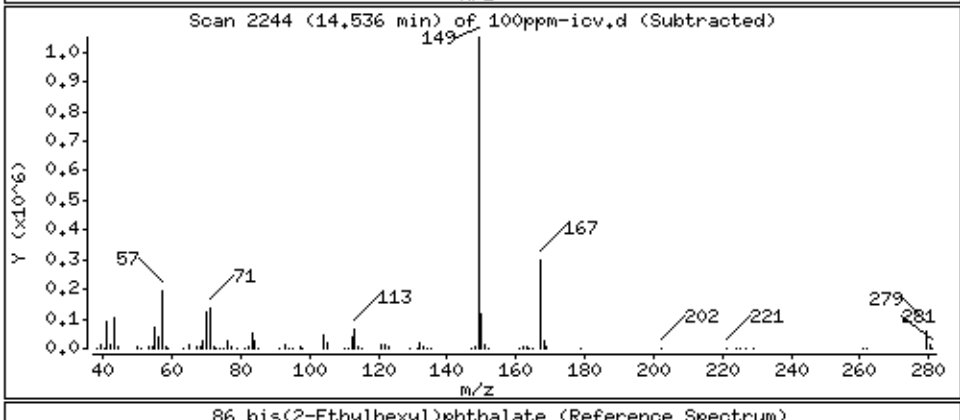
Column diameter: 0.25

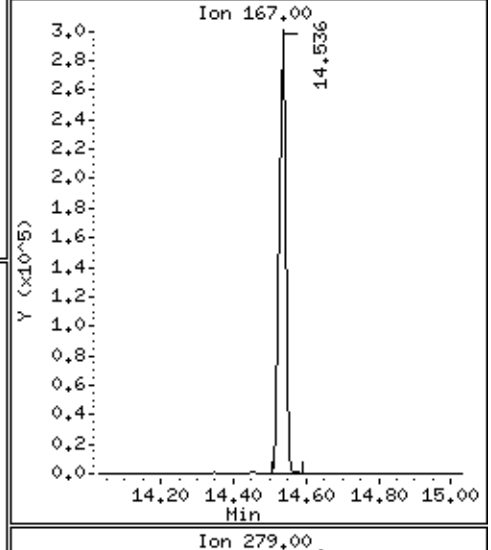
86 bis(2-Ethylhexyl)phthalate

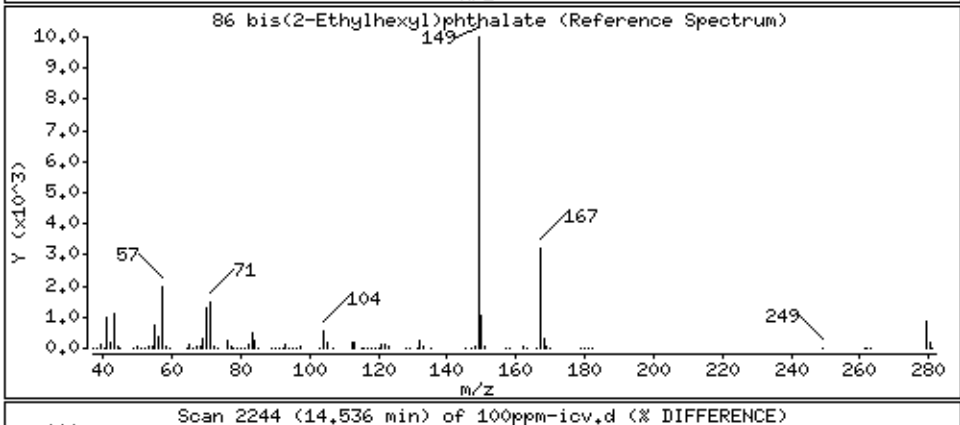
Concentration: 105.5 ug/L

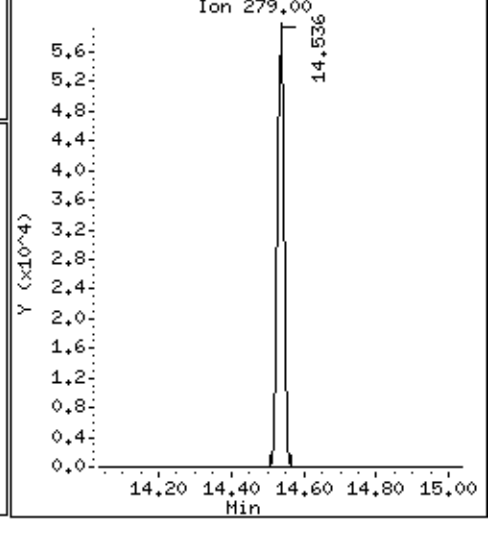


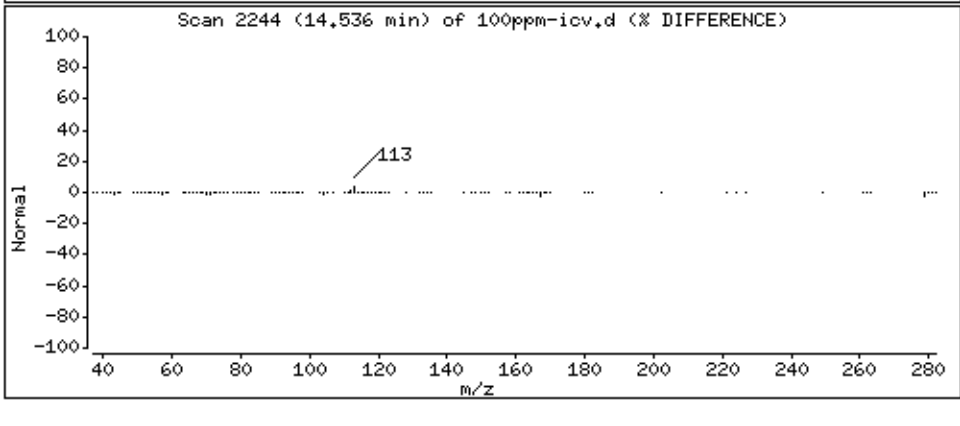












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

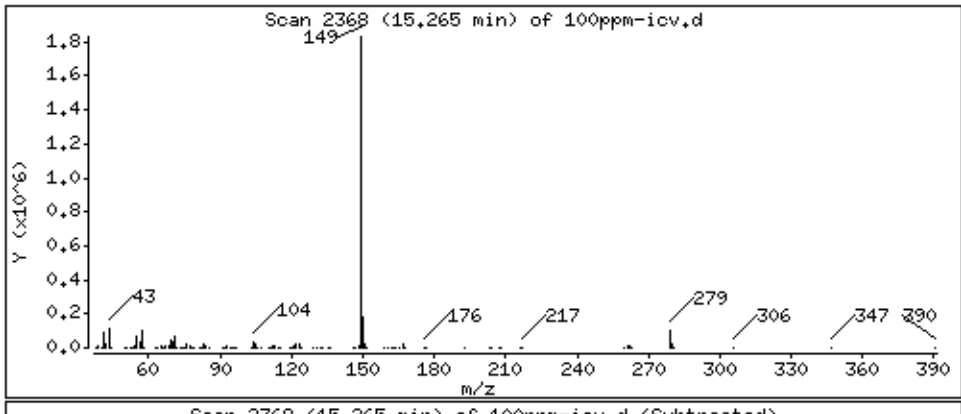
Operator: SN

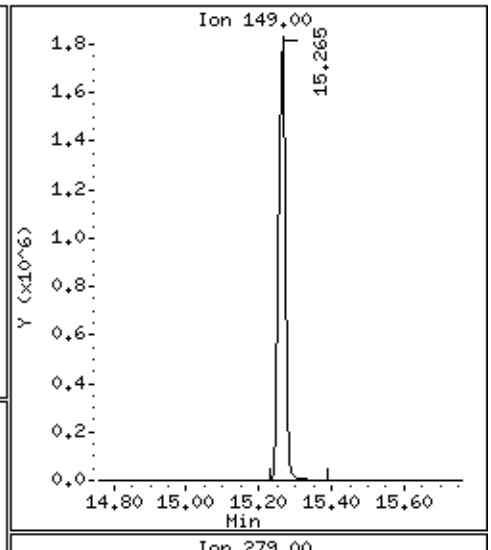
Column phase: .50um DB-5ms

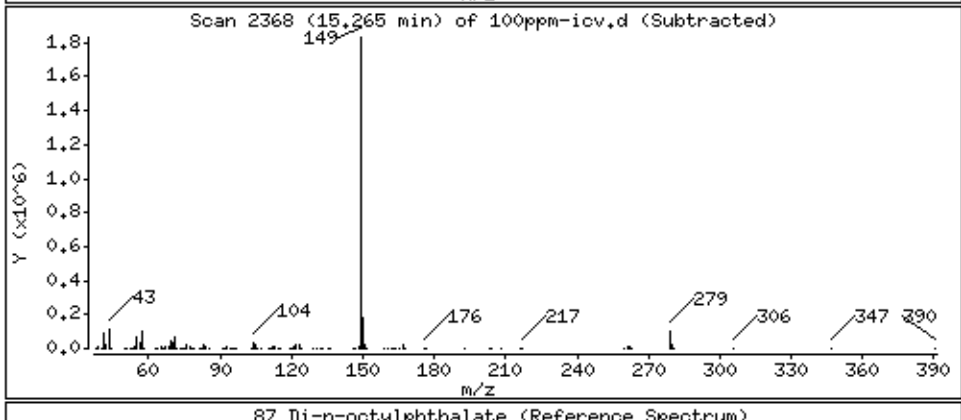
Column diameter: 0.25

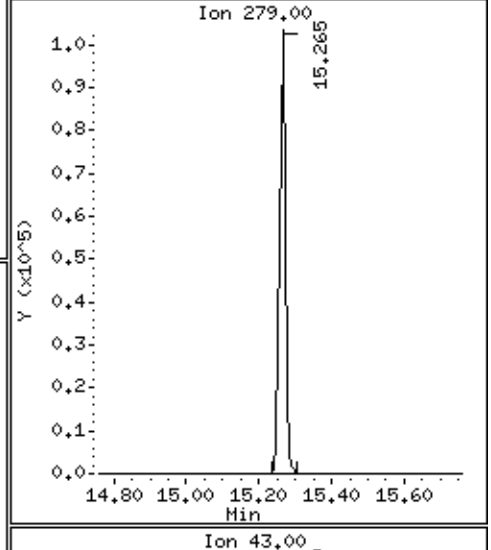
87 Di-n-octylphthalate

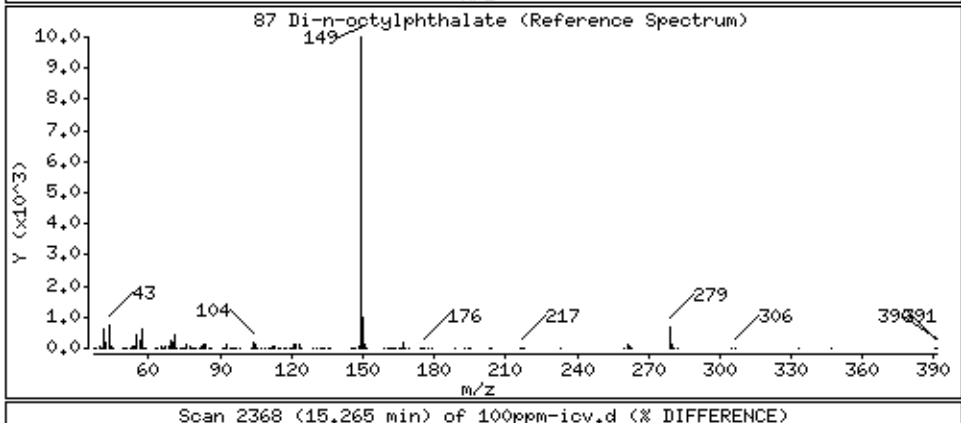
Concentration: 105.8 ug/L

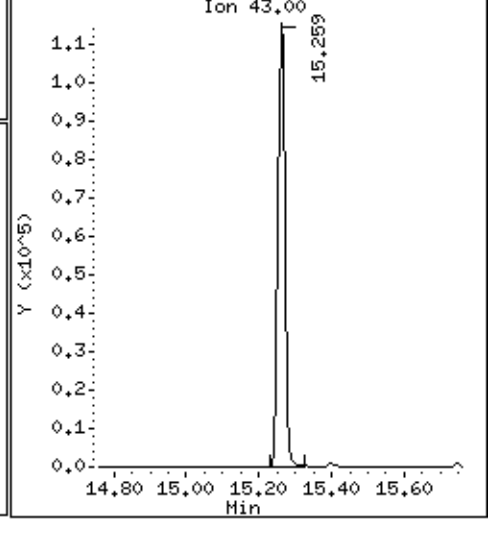


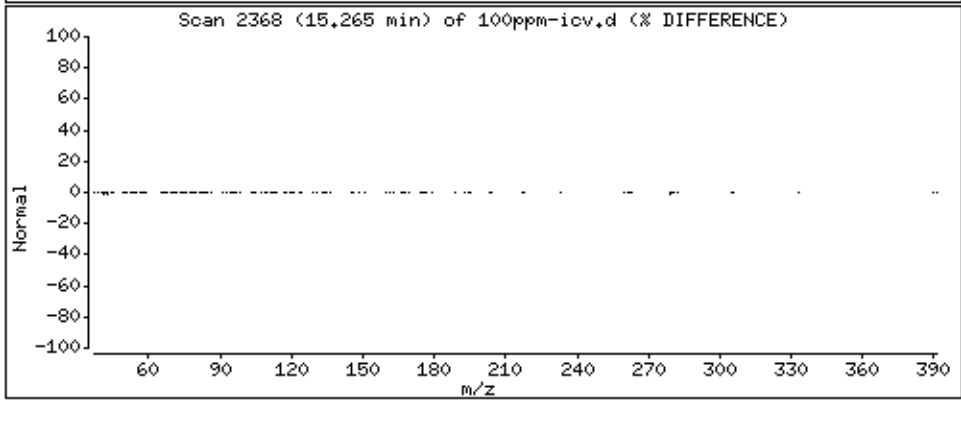












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

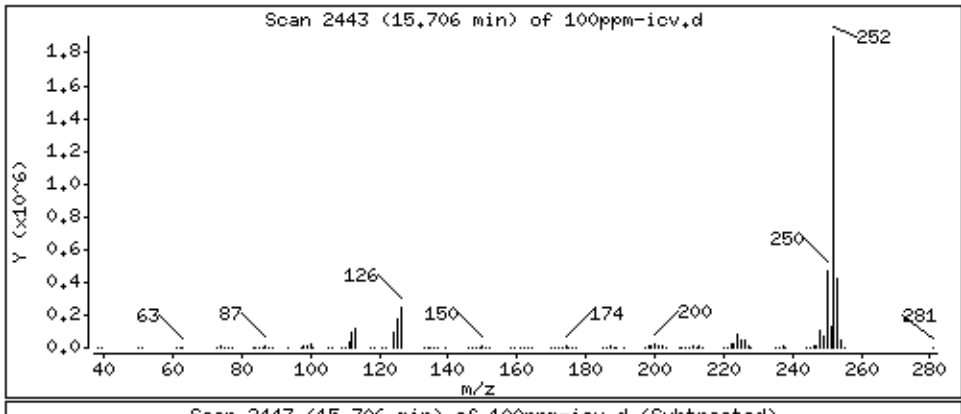
Operator: SN

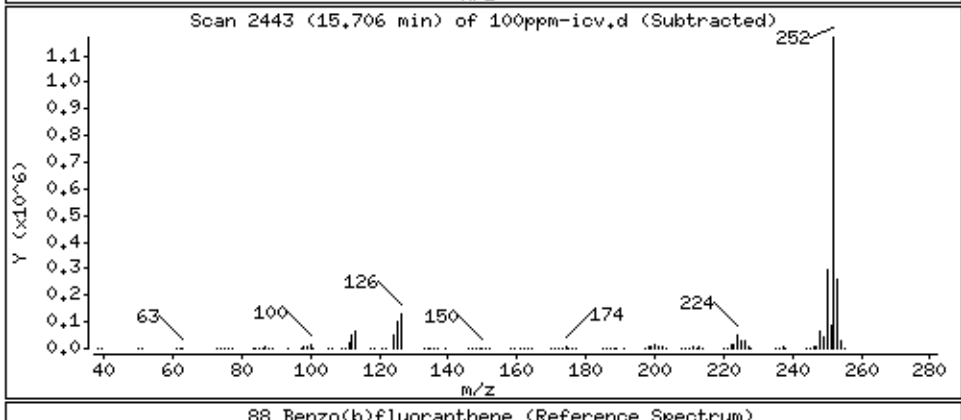
Column phase: .50um DB-5ms

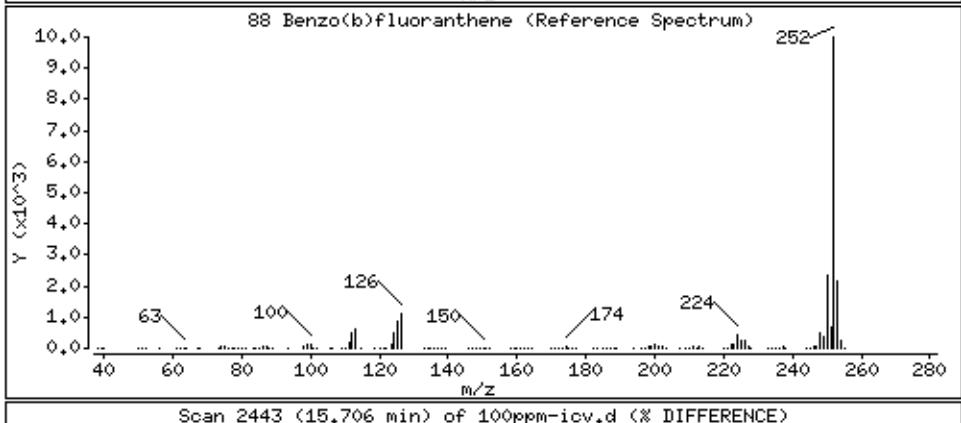
Column diameter: 0.25

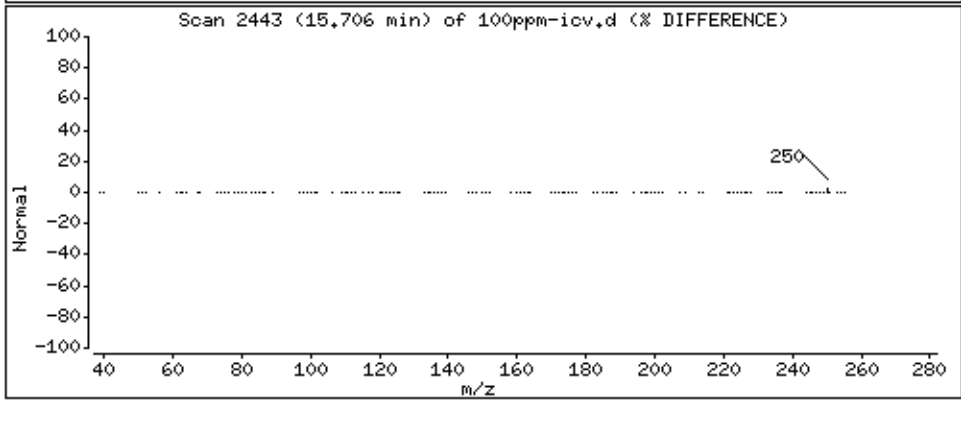
88 Benzo(b)fluoranthene

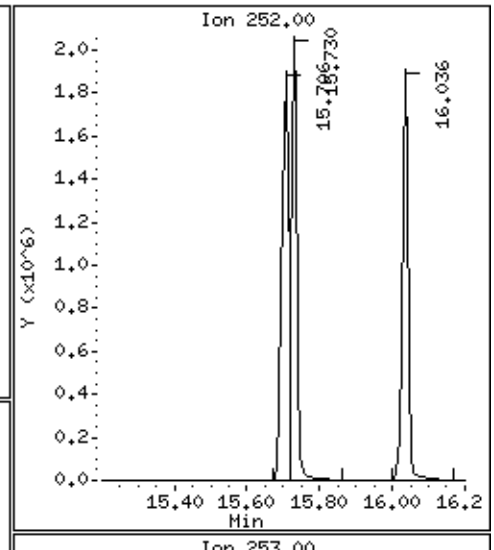
Concentration: 101.8 ug/L

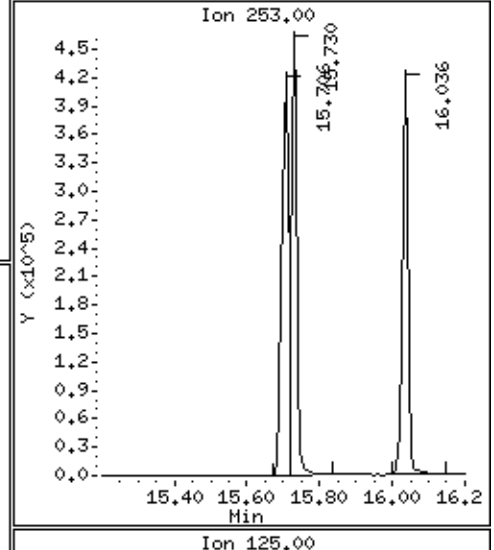


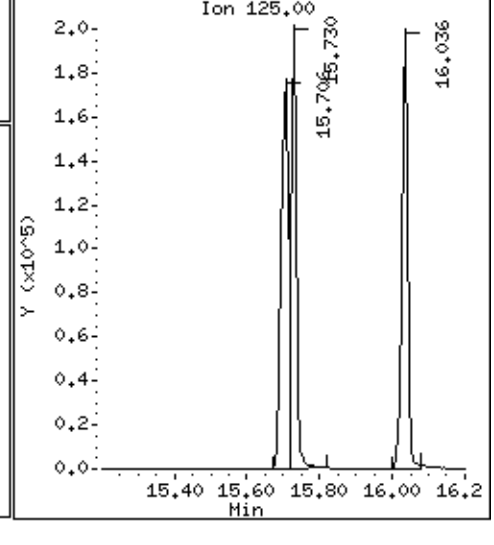












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

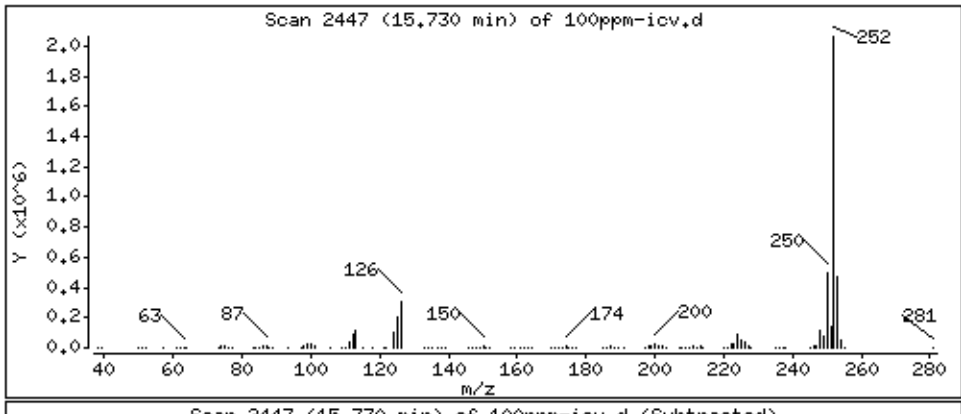
Operator: SN

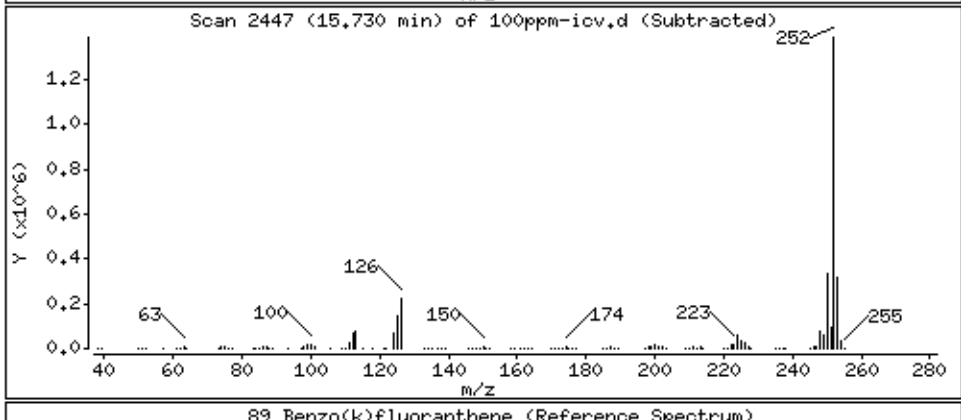
Column phase: .50um DB-5ms

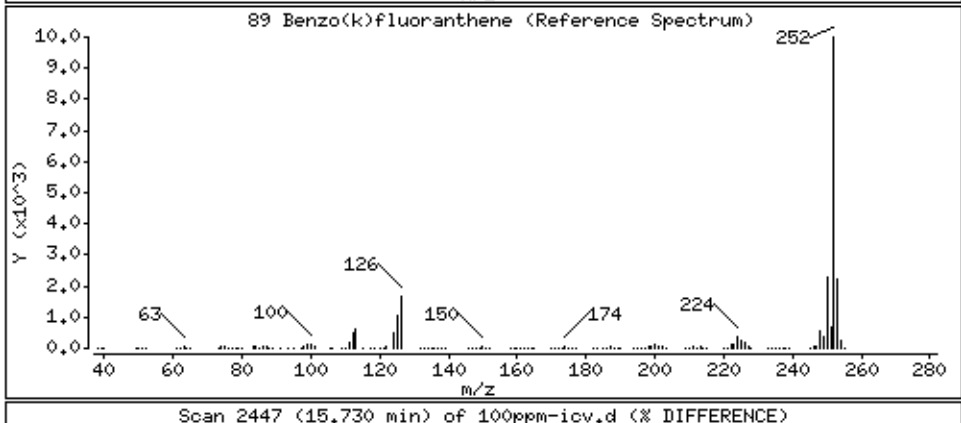
Column diameter: 0.25

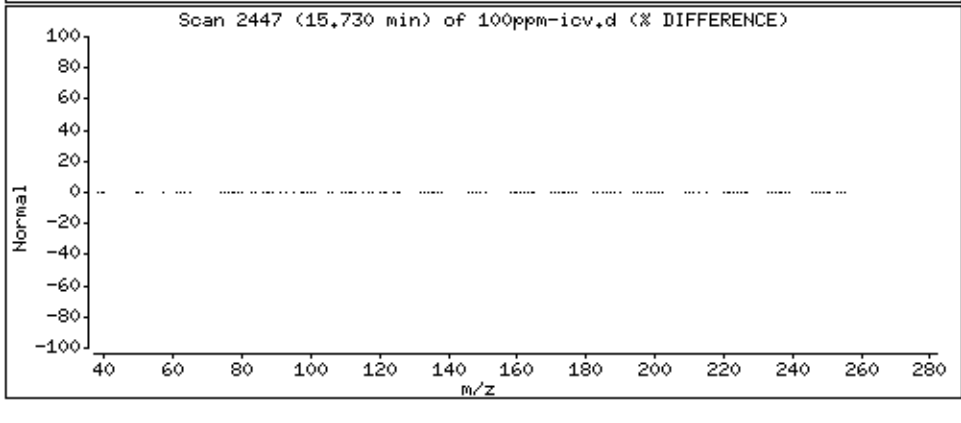
89 Benzo(k)fluoranthene

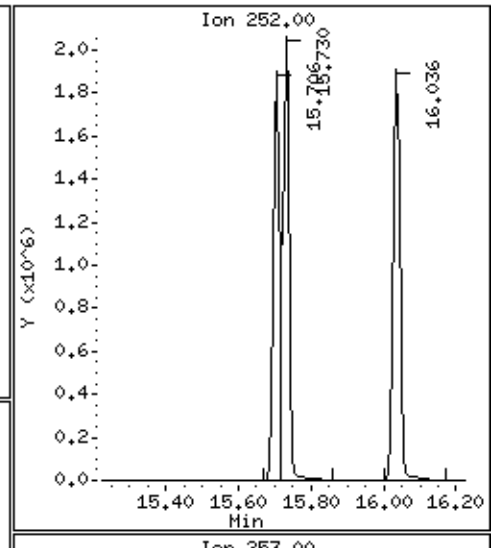
Concentration: 100.2 ug/L

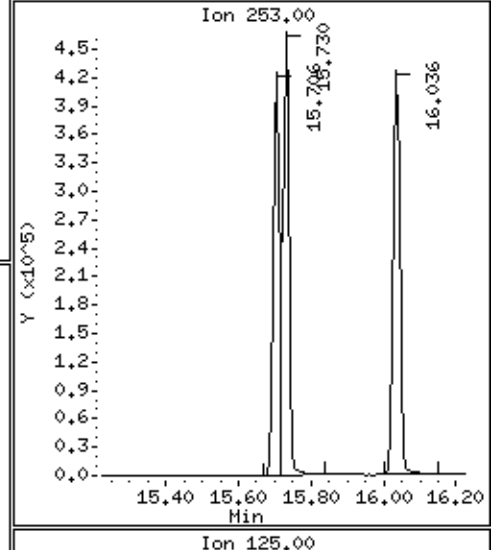


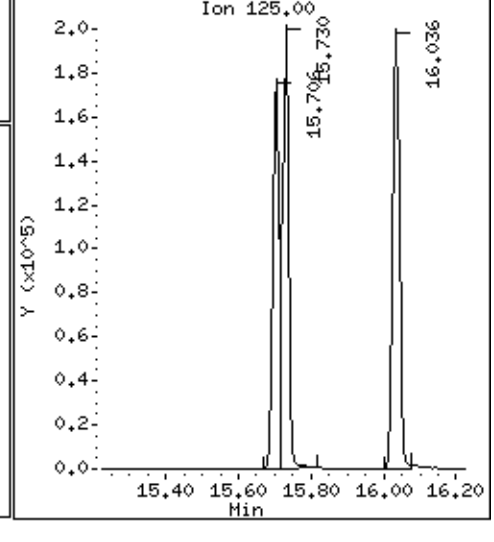












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

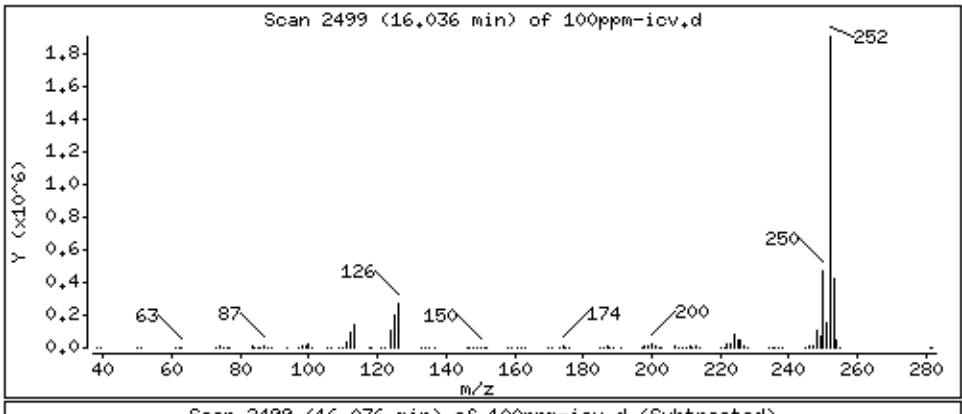
Operator: SN

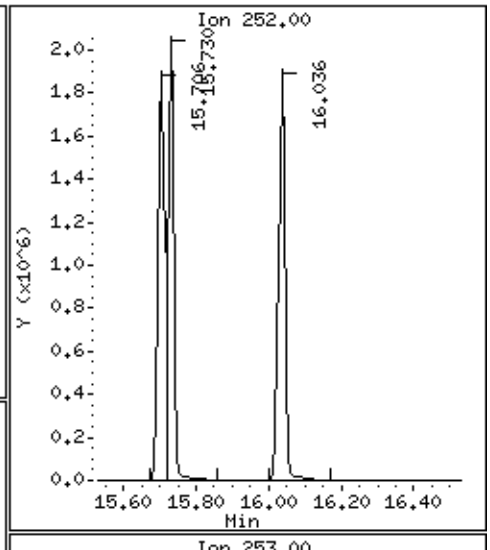
Column phase: .50um DB-5ms

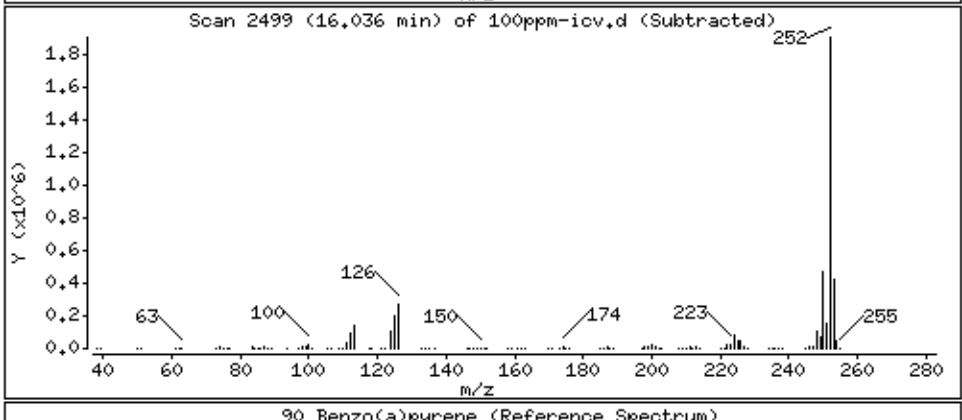
Column diameter: 0.25

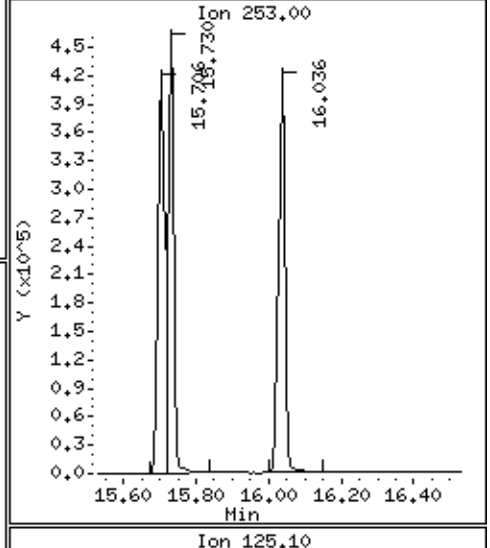
90 Benzo(a)pyrene

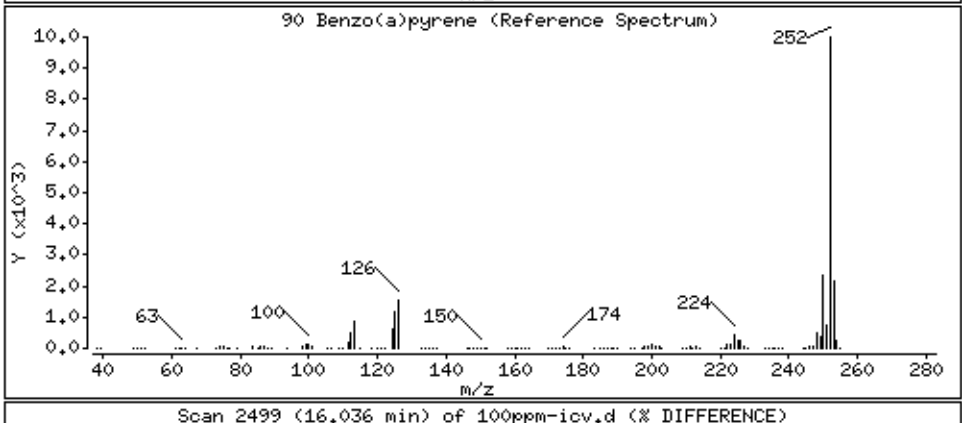
Concentration: 103.1 ug/L

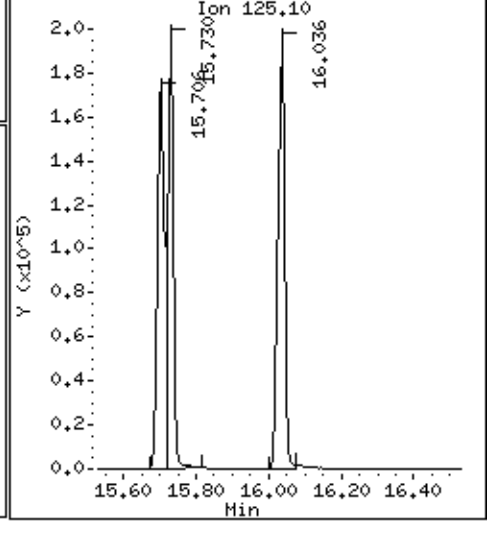


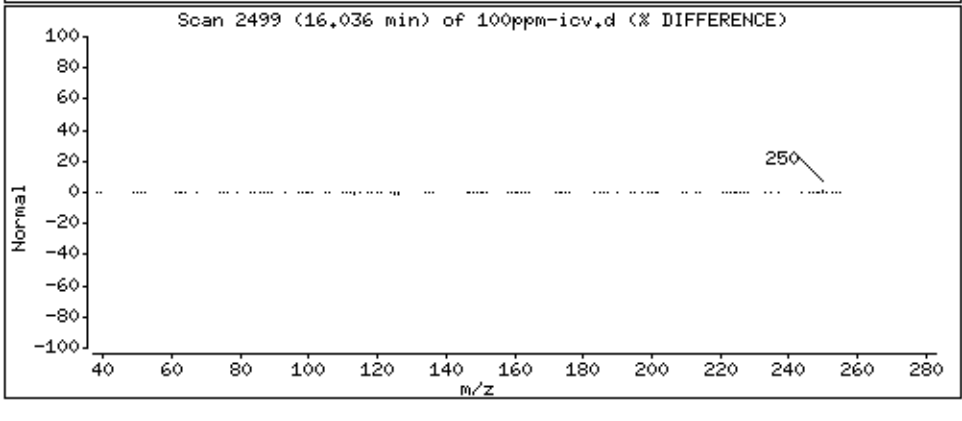












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

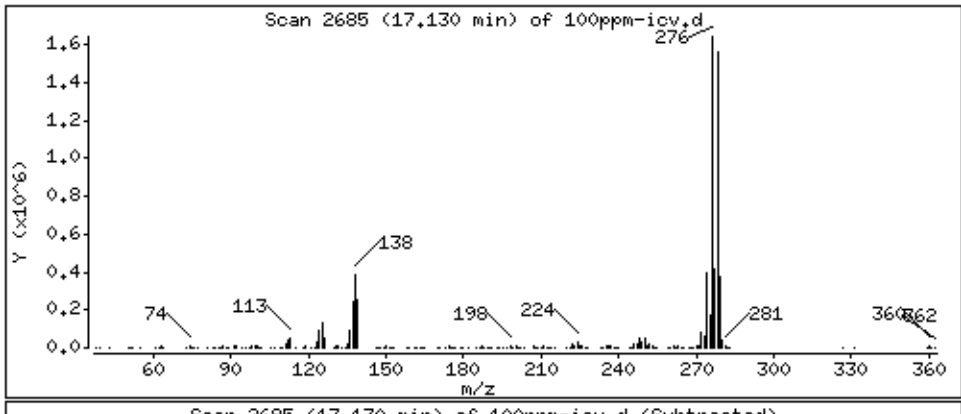
Operator: SN

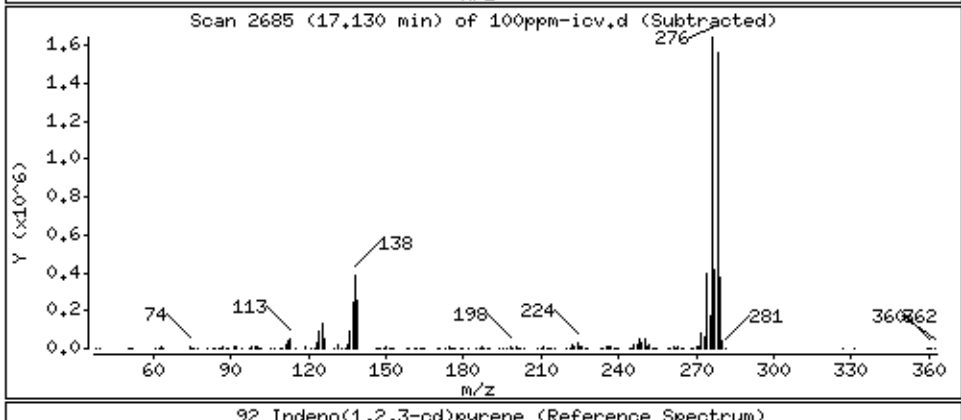
Column phase: .50um DB-5ms

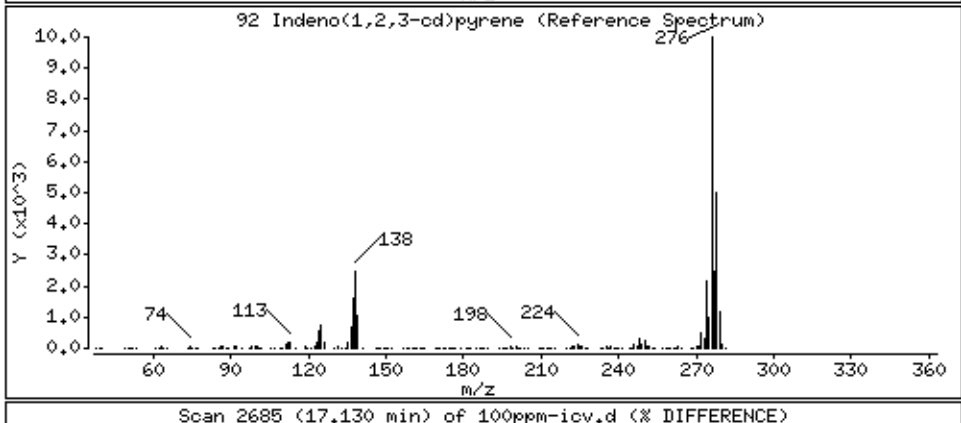
Column diameter: 0.25

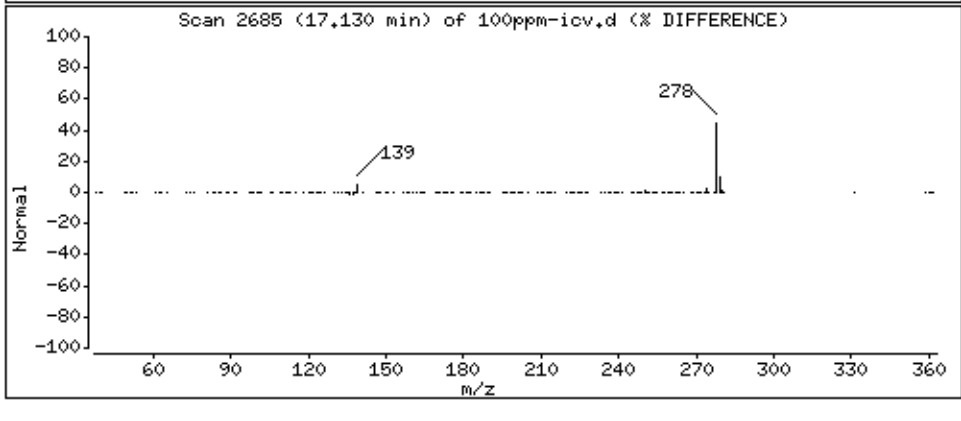
92 Indeno(1,2,3-cd)pyrene

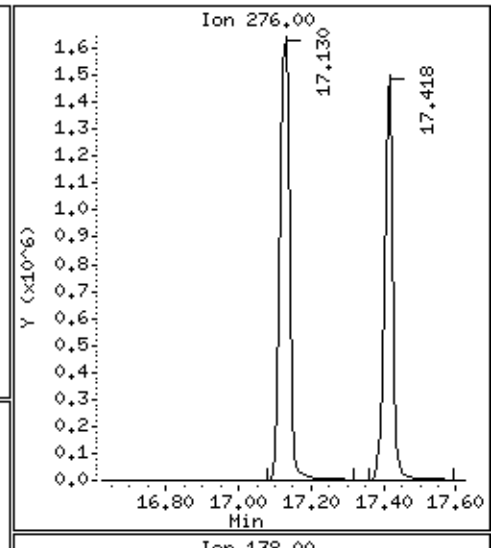
Concentration: 99.28 ug/L

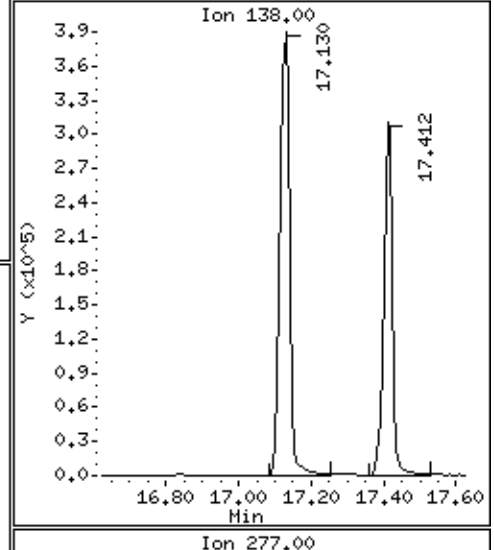


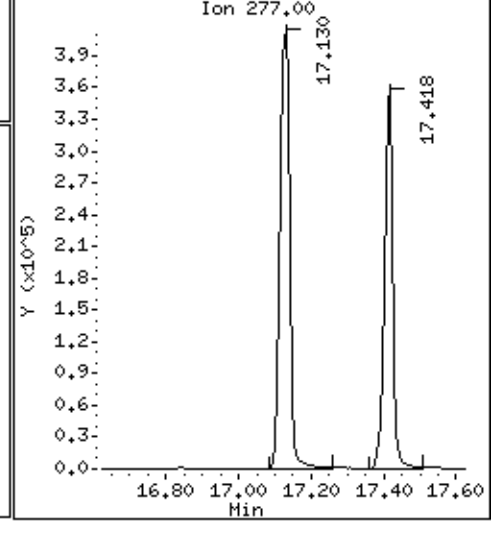












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

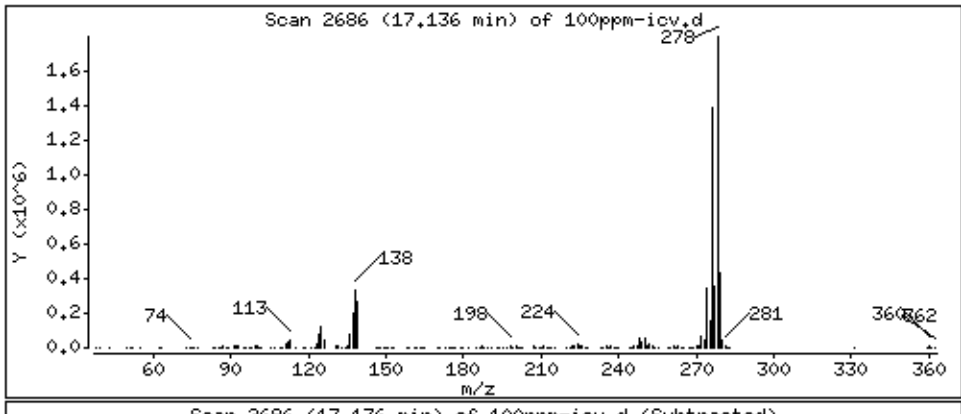
Operator: SN

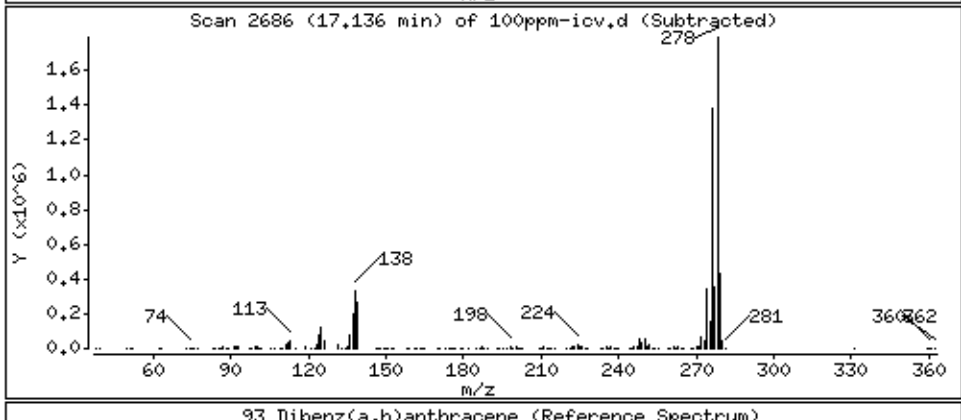
Column phase: .50um DB-5ms

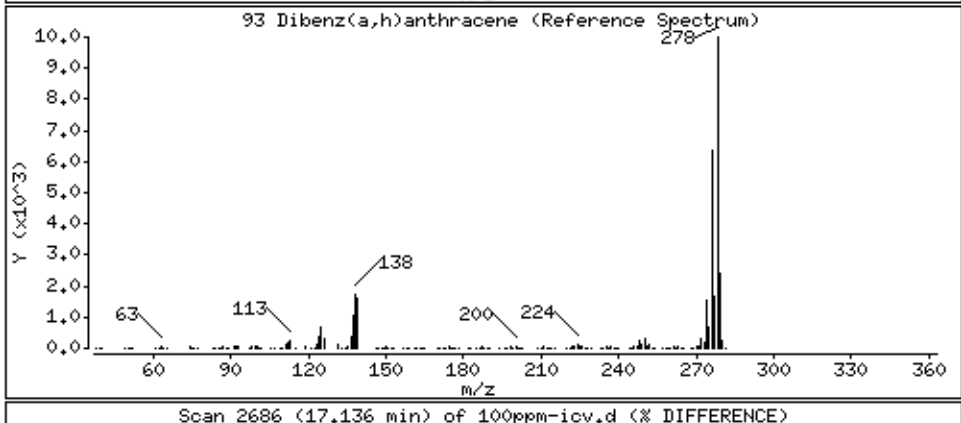
Column diameter: 0.25

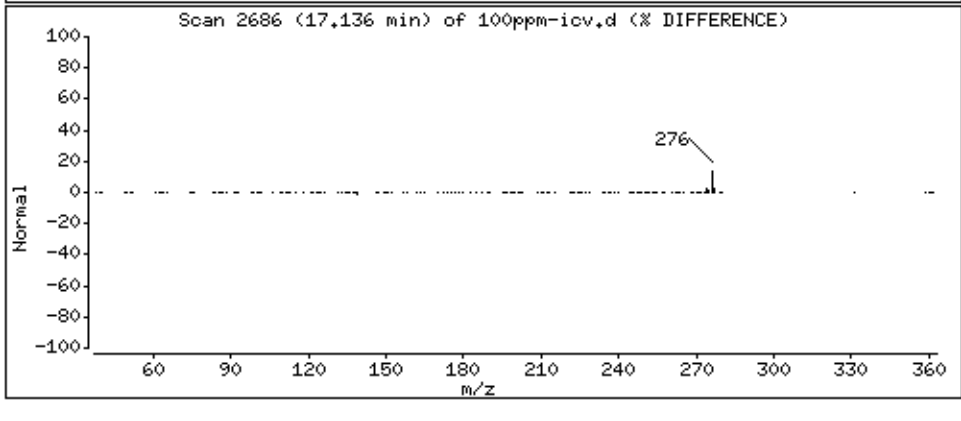
93 Dibenz(a,h)anthracene

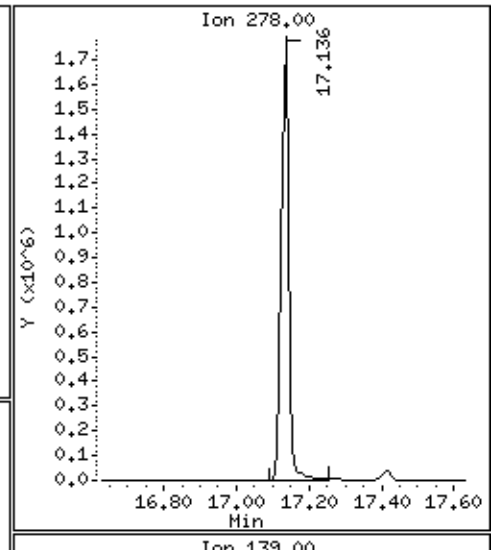
Concentration: 103.7 ug/L

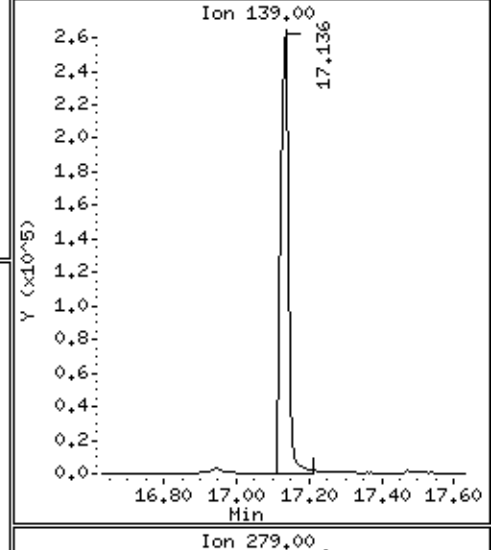


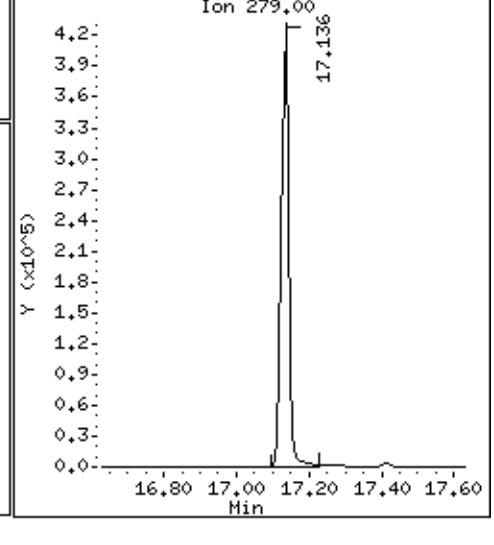












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\100ppm-icv.d

Date : 27-JUN-2014 16:04

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71355:1

Volume Injected (uL): 1.0

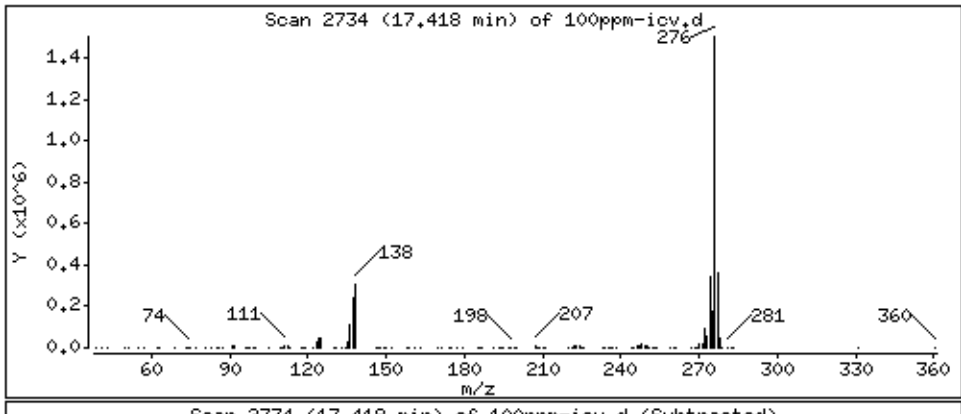
Operator: SN

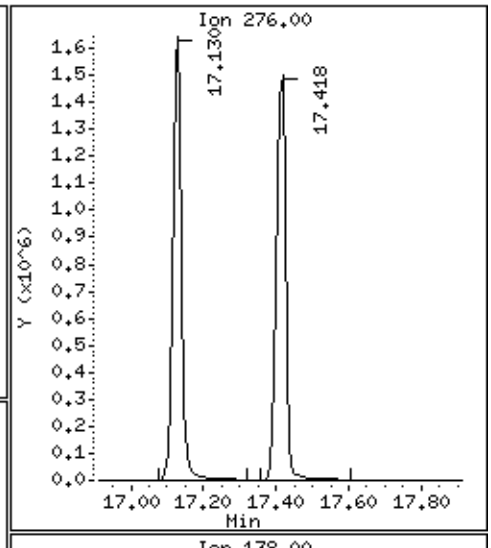
Column phase: .50um DB-5ms

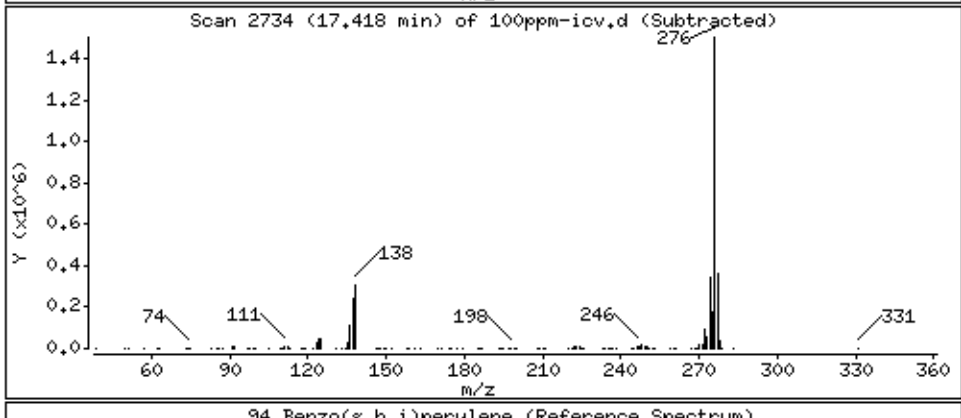
Column diameter: 0.25

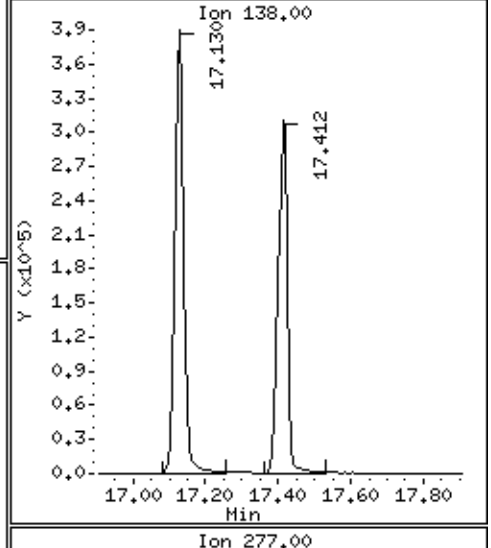
94 Benzo(g,h,i)perylene

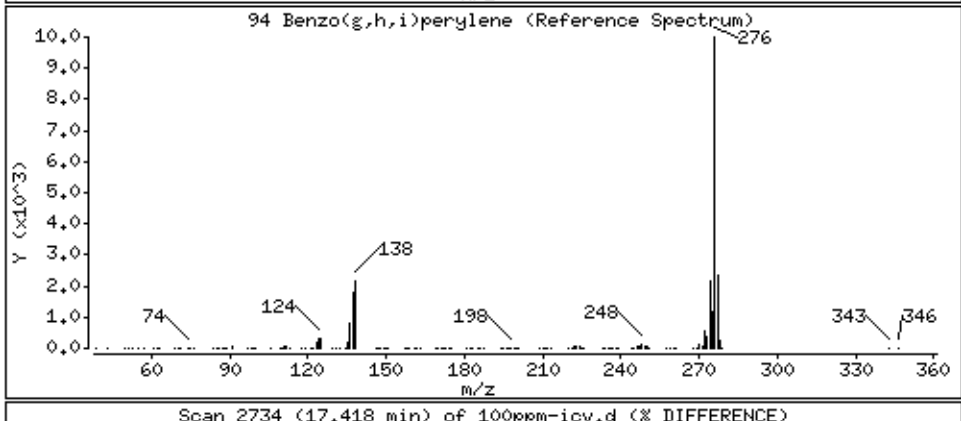
Concentration: 101.4 ug/L

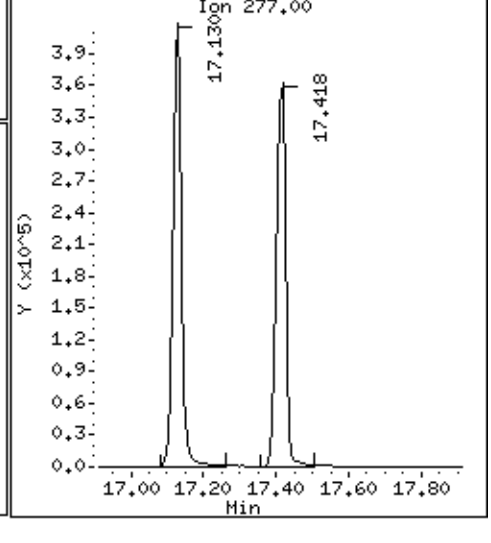


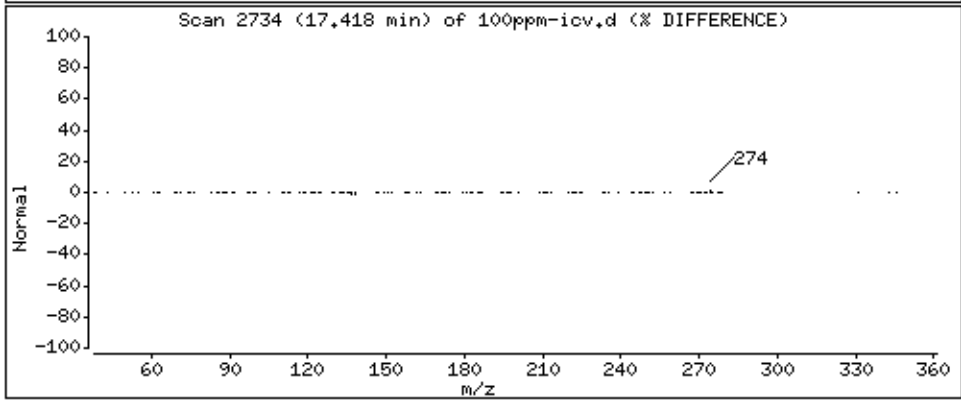












Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d
Lab Smp Id: ICV,71680:1
Inj Date : 30-JUN-2014 16:35
Operator : SN Inst ID: 50MSS2.i
Smp Info : icv,71680:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Meth Date : 01-Jul-2014 14:57 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:12 Cal File: 200ppm.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	2.042	2.042	(0.437)	175715	96.3986	96.40
2	Pyridine	79	2.042	2.048	(0.437)	517221	102.700	102.7
$ 3	2-Fluorophenol (S)	112	3.371	3.383	(0.722)	512189	108.942	108.9(R)
$ 6	Phenol-d5 (S)	99	4.383	4.389	(0.938)	556023	95.7407	95.74(R)
7	Phenol	94	4.395	4.407	(0.941)	590789	93.8322	93.83
8	bis(2-Chloroethyl)ether	93	4.436	4.436	(0.950)	449100	99.0576	99.06
9	2-Chlorophenol	128	4.489	4.495	(0.961)	546538	95.2393	95.24
10	1,3-Dichlorobenzene	146	4.630	4.630	(0.991)	604609	94.7296	94.73
* 11	1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.672	(1.000)	172616	40.0000	
12	1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	620626	97.6476	97.65
13	Benzyl Alcohol	108	4.883	4.883	(1.045)	348950	103.371	103.4
14	1,2-Dichlorobenzene	146	4.907	4.907	(1.050)	592913	97.0172	97.02
15	2-Methylphenol	108	5.060	5.072	(1.083)	472899	99.6037	99.60
16	bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	568385	109.680	109.7
17	2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	568385	109.680	109.7
18	bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	568385	109.680	109.7
20	3&4-Methylphenol	108	5.265	5.271	(1.127)	502878	98.9184	98.92
21	N-Nitroso-di-n-propylamine	70	5.242	5.248	(1.122)	317998	98.6873	98.69
22	Hexachloroethane	117	5.283	5.283	(1.131)	218815	98.9339	98.93
$ 23	Nitrobenzene-d5 (S)	82	5.418	5.419	(0.823)	500891	106.094	106.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
	24 Nitrobenzene	77	5.442	5.442	(0.827)	483161	100.417	100.4
	25 Isophorone	82	5.795	5.795	(0.880)	901128	97.9568	97.96
	26 2-Nitrophenol	139	5.948	5.948	(0.903)	312054	100.476	100.5
	27 2,4-Dimethylphenol	122	6.071	6.083	(0.922)	494201	100.590	100.6
	28 Benzoic Acid	122	6.401	6.389	(0.972)	265452	142.188	142.2(QRM)
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	601691	102.470	102.5
	30 2,4-Dichlorophenol	162	6.389	6.401	(0.971)	498069	99.4794	99.48
	31 1,2,4-Trichlorobenzene	180	6.512	6.513	(0.989)	549119	100.319	100.3
*	32 Naphthalene-d8 (IS)	136	6.583	6.583	(1.000)	671063	40.0000	
	33 Naphthalene	128	6.618	6.624	(1.005)	1638481	97.3820	97.38
	35 4-Chloroaniline	127	6.848	6.860	(1.040)	703472	107.449	107.4
	36 Hexachlorobutadiene	225	7.030	7.030	(1.068)	364015	109.163	109.2
	38 4-Chloro-3-methylphenol	107	8.124	8.154	(1.234)	444164	99.6561	99.66
	39 2-Methylnaphthalene	142	8.218	8.218	(1.248)	1098552	93.5422	93.54
	41 1-Methylnaphthalene	142	8.430	8.436	(1.281)	1050374	92.6027	92.60
	43 Hexachlorocyclopentadiene	237	8.677	8.677	(0.873)	251103	96.9000	96.90
	44 2,4,6-Trichlorophenol	196	8.871	8.883	(0.892)	383725	99.2050	99.20
	45 2,4,5-Trichlorophenol	196	8.948	8.965	(0.900)	394401	98.6124	98.61
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	1299954	102.677	102.7
	47 2-Chloronaphthalene	162	9.101	9.101	(0.915)	1078098	100.784	100.8
	49 2-Nitroaniline	65	9.389	9.389	(0.944)	251984	103.949	103.9
	50 Dimethylphthalate	163	9.718	9.712	(0.978)	1187999	95.4883	95.49
	51 Acenaphthylene	152	9.730	9.730	(0.979)	1686867	92.9404	92.94
	52 2,6-Dinitrotoluene	165	9.806	9.806	(0.986)	290264	108.630	108.6
	54 3-Nitroaniline	138	9.989	9.989	(1.005)	298108	105.304	105.3
*	53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	394266	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.004)	1088849	99.5386	99.54
	56 2,4-Dinitrophenol	184	10.124	10.130	(1.018)	183732	107.549	107.5
	58 4-Nitrophenol	109	10.289	10.306	(1.035)	134684	103.026	103.0
	57 Dibenzofuran	168	10.195	10.195	(1.025)	1557717	97.4026	97.40
	59 2,4-Dinitrotoluene	165	10.312	10.312	(1.037)	395456	106.980	107.0
	60 Diethylphthalate	149	10.606	10.606	(1.067)	1156604	112.842	112.8
	61 Fluorene	166	10.618	10.618	(1.068)	1239377	109.597	109.6
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	628326	98.4203	98.42
	63 4-Nitroaniline	138	10.753	10.753	(1.082)	322903	105.503	105.5
	64 4,6-Dinitro-2-methylphenol	198	10.795	10.795	(0.926)	252201	115.475	115.5(QM)
	65 N-Nitrosodiphenylamine	169	10.800	10.801	(0.926)	1043846	117.013	117.0
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	1103581	98.1473	98.15
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.942	(0.938)	284051	106.028	106.0
	68 4-Bromophenyl-phenylether	248	11.189	11.189	(0.960)	438662	100.235	100.2
	69 Hexachlorobenzene	284	11.342	11.342	(0.973)	528296	99.9045	99.90
	71 Pentachlorophenol	266	11.559	11.559	(0.991)	323562	121.713	121.7
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	744109	40.0000	
	73 Phenanthrene	178	11.689	11.683	(1.003)	1866323	99.0726	99.07
	74 Anthracene	178	11.736	11.730	(1.007)	1916212	97.3702	97.37
	75 Carbazole	167	11.936	11.936	(1.024)	1768061	95.6553	95.66
	76 Di-n-butylphthalate	149	12.341	12.342	(1.059)	1971028	94.7777	94.78
	77 Fluoranthene	202	12.930	12.930	(1.109)	2138746	98.7976	98.80
	78 Benzidine	184	13.094	13.089	(1.123)	1134169	216.669	216.7(R)
	79 Pyrene	202	13.159	13.153	(1.129)	2202358	97.6555	97.66
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	1579178	107.280	107.3
	81 Butylbenzylphthalate	149	13.859	13.853	(0.957)	942470	100.528	100.5
	82 Benzo(a)anthracene	228	14.453	14.447	(0.998)	2237768	97.9845	97.98
	83 3,3'-Dichlorobenzidine	252	14.459	14.453	(0.999)	902724	117.668	117.7

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)
* 84 Chrysene-d12 (IS)	240	14.477	14.465	(1.000)	913408	40.0000	
85 Chrysene	228	14.506	14.500	(1.002)	2183296	100.984	101.0
86 bis(2-Ethylhexyl)phthalate	149	14.535	14.530	(1.004)	1372764	101.886	101.9
87 Di-n-octylphthalate	149	15.265	15.259	(0.949)	2326137	100.730	100.7
88 Benzo(b)fluoranthene	252	15.706	15.700	(0.976)	2620767	100.424	100.4
89 Benzo(k)fluoranthene	252	15.729	15.724	(0.978)	2534783	95.8649	95.86
90 Benzo(a)pyrene	252	16.035	16.030	(0.997)	2310555	99.6359	99.64
* 91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	632992	40.0000	
92 Indeno(1,2,3-cd)pyrene	276	17.124	17.124	(1.064)	2889539	95.6239	95.62
93 Dibenz(a,h)anthracene	278	17.129	17.130	(1.065)	2432304	100.618	100.6
94 Benzo(g,h,i)perylene	276	17.412	17.406	(1.082)	2537027	98.2461	98.25

QC Flag Legend

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

Pace Analytical Services, Inc.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: 50MSS2.i
Lab File ID: 100ppm-icv.d
Lab Smp Id: ICV,71680:1
Analysis Type: SV
Quant Type: ISTD
Operator: SN
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

Calibration Date: 01-JUL-2014
Calibration Time: 01:36
Level: LOW
Sample Type: WATER

Test Mode:
Use Initial Calibration Level 6.
If Continuing Cal. use Initial Cal. Level 6

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	178296	89148	356592	172616	-3.19
32 Naphthalene-d8 (I	703988	351994	1407976	671063	-4.68
53 Acenaphthene-d10	410279	205140	820558	394266	-3.90
72 Phenanthrene-d10	780300	390150	1560600	744109	-4.64
84 Chrysene-d12 (IS)	969467	484734	1938934	913408	-5.78
91 Perylene-d12 (IS)	663754	331877	1327508	632992	-4.63

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
11 1,4-Dichlorobenze	4.67	4.17	5.17	4.67	-0.00
32 Naphthalene-d8 (I	6.58	6.08	7.08	6.58	-0.00
53 Acenaphthene-d10	9.94	9.44	10.44	9.94	-0.00
72 Phenanthrene-d10	11.66	11.16	12.16	11.66	-0.00
84 Chrysene-d12 (IS)	14.47	13.97	14.97	14.48	0.08
91 Perylene-d12 (IS)	16.08	15.58	16.58	16.09	0.04

AREA UPPER LIMIT = +100% 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.

Pace Analytical Services, Inc.

RECOVERY REPORT

Client Name: Client SDG: 063014cal.b
Sample Matrix: Liquid Fraction: SV
Lab Smp Id: ICV,71680:1
Level: LOW Operator: SN
Data Type: MS DATA SampleType: LCS
SpikeList File: icv.spk Quant Type: ISTD
Sublist File: most.sub
Method File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\8270c.m
Misc Info: 15626

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	1 N-Nitrosodimethyla	100.0	96.40	96.40	70-130
	2 Pyridine	100.0	102.7	102.70	70-130
$	3 2-Fluorophenol (S)	100.0	108.9	108.94	70-130
	8 bis(2-Chloroethyl)	100.0	99.06	99.06	70-130
	7 Phenol	100.0	93.83	93.83	70-130
$	6 Phenol-d5 (S)	100.0	95.74	95.74	70-130
	9 2-Chlorophenol	100.0	95.24	95.24	70-130
	10 1,3-Dichlorobenzen	100.0	94.73	94.73	70-130
*	11 1,4-Dichlorobenzen	0.000	40.00	0.00	0-0
	12 1,4-Dichlorobenzen	100.0	97.65	97.65	70-130
	14 1,2-Dichlorobenzen	100.0	97.02	97.02	70-130
	13 Benzyl Alcohol	100.0	103.4	103.37	70-130
	16 bis(2chloro1methyl	100.0	109.7	109.68	70-130
	18 bis(2-Chloroisopro	100.0	109.7	109.68	70-130
	17 2,2'-Oxybis(1-chlo	100.0	109.7	109.68	70-130
	15 2-Methylphenol	100.0	99.60	99.60	70-130
	21 N-Nitroso-di-n-pro	100.0	98.69	98.69	70-130
	22 Hexachloroethane	100.0	98.93	98.93	70-130
	20 3&4-Methylphenol	100.0	98.92	98.92	70-130
$	23 Nitrobenzene-d5 (S	100.0	106.1	106.09	70-130
	24 Nitrobenzene	100.0	100.4	100.42	70-130
	25 Isophorone	100.0	97.96	97.96	70-130
	26 2-Nitrophenol	100.0	100.5	100.48	70-130
	27 2,4-Dimethylphenol	100.0	100.6	100.59	70-130
	29 bis(2-Chloroethoxy	100.0	102.5	102.47	70-130
	30 2,4-Dichlorophenol	100.0	99.48	99.48	70-130
	28 Benzoic Acid	100.0	142.2	142.19*	70-130
	31 1,2,4-Trichloroben	100.0	100.3	100.32	70-130
*	32 Naphthalene-d8 (IS	0.000	40.00	0.00	0-0
	33 Naphthalene	100.0	97.38	97.38	70-130
	35 4-Chloroaniline	100.0	107.4	107.45	70-130
	36 Hexachlorobutadien	100.0	109.2	109.16	70-130
	38 4-Chloro-3-methylp	100.0	99.66	99.66	70-130
	39 2-Methylnaphthalen	100.0	93.54	93.54	70-130
	43 Hexachlorocyclopen	100.0	96.90	96.90	70-130
	44 2,4,6-Trichlorophe	100.0	99.20	99.21	70-130
	45 2,4,5-Trichlorophe	100.0	98.61	98.61	70-130
$	46 2-Fluorobiphenyl (	100.0	102.7	102.68	70-130
	47 2-Chloronaphthalen	100.0	100.8	100.78	70-130
	49 2-Nitroaniline	100.0	103.9	103.95	70-130

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	50 Dimethylphthalate	100.0	95.49	95.49	70-130
	51 Acenaphthylene	100.0	92.94	92.94	70-130
	52 2,6-Dinitrotoluene	100.0	108.6	108.63	70-130
*	53 Acenaphthene-d10 (	0.000	40.00	0.00	0-0
	54 3-Nitroaniline	100.0	105.3	105.30	70-130
	55 Acenaphthene	100.0	99.54	99.54	70-130
	56 2,4-Dinitrophenol	100.0	107.5	107.55	70-130
	57 Dibenzofuran	100.0	97.40	97.40	70-130
	58 4-Nitrophenol	100.0	103.0	103.03	70-130
	59 2,4-Dinitrotoluene	100.0	107.0	106.98	70-130
	60 Diethylphthalate	100.0	112.8	112.84	70-130
	61 Fluorene	100.0	109.6	109.60	70-130
	62 4-Chlorophenyl-phe	100.0	98.42	98.42	70-130
	63 4-Nitroaniline	100.0	105.5	105.50	70-130
	64 4,6-Dinitro-2-meth	100.0	115.5	115.48	70-130
	65 N-Nitrosodiphenyla	100.0	117.0	117.01	70-130
	66 1,2-Diphenylhydraz	100.0	98.15	98.15	70-130
$	67 2,4,6-Tribromophen	100.0	106.0	106.03	70-130
	68 4-Bromophenyl-phen	100.0	100.2	100.23	70-130
	69 Hexachlorobenzene	100.0	99.90	99.90	70-130
	71 Pentachlorophenol	100.0	121.7	121.71	70-130
*	72 Phenanthrene-d10 (	0.000	40.00	0.00	0-0
	73 Phenanthrene	100.0	99.07	99.07	70-130
	74 Anthracene	100.0	97.37	97.37	70-130
	75 Carbazole	100.0	95.66	95.66	70-130
	76 Di-n-butylphthalat	100.0	94.78	94.78	70-130
	77 Fluoranthene	100.0	98.80	98.80	70-130
	78 Benzidine	100.0	216.7	216.67*	70-130
	79 Pyrene	100.0	97.66	97.66	70-130
	81 Butylbenzylphthala	100.0	100.5	100.53	70-130
$	80 p-Terphenyl-d14 (S	100.0	107.3	107.28	70-130
	82 Benzo(a)anthracene	100.0	97.98	97.98	70-130
	83 3,3'-Dichlorobenzi	100.0	117.7	117.67	70-130
*	84 Chrysene-d12 (IS)	0.000	40.00	0.00	0-0
	85 Chrysene	100.0	101.0	100.98	70-130
	86 bis(2-Ethylhexyl)p	100.0	101.9	101.89	70-130
	87 Di-n-octylphthalat	100.0	100.7	100.73	70-130
	88 Benzo(b)fluoranthe	100.0	100.4	100.42	70-130
	89 Benzo(k)fluoranthe	100.0	95.86	95.86	70-130
	90 Benzo(a)pyrene	100.0	99.64	99.64	70-130
*	91 Perylene-d12 (IS)	0.000	40.00	0.00	0-0
	92 Indeno(1,2,3-cd)py	100.0	95.62	95.62	70-130
	93 Dibenz(a,h)anthrac	100.0	100.6	100.62	70-130
	94 Benzo(g,h,i)peryle	100.0	98.25	98.25	70-130

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$	3 2-Fluorophenol (S)	100.0	108.9	108.94*	10-74
$	6 Phenol-d5 (S)	100.0	95.74	95.74*	10-56
$	23 Nitrobenzene-d5 (S	100.0	106.1	106.09	33-108

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 46 2-Fluorobiphenyl (	100.0	102.7	102.68	34-106
$ 67 2,4,6-Tribromophen	100.0	106.0	106.03	32-124
$ 80 p-Terphenyl-d14 (S	100.0	107.3	107.28	31-122

Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: ICV,71680:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
62-75-9	N-Nitrosodimethylamine	96.40	
110-86-1	Pyridine	102.7	
108-95-2	Phenol	93.83	
111-44-4	bis(2-Chloroethyl)ether	99.06	
95-57-8	2-Chlorophenol	95.24	
541-73-1	1,3-Dichlorobenzene	94.73	
106-46-7	1,4-Dichlorobenzene	97.65	
100-51-6	Benzyl Alcohol	103.4	
95-50-1	1,2-Dichlorobenzene	97.02	
95-48-7	2-Methylphenol	99.60	
108-60-1	bis(2chloro1methylethyl) eth	109.7	
108-60-1	2,2'-Oxybis(1-chloropropane)	109.7	
39638-32-9	bis(2-Chloroisopropyl)ether	109.7	
----------	3&4-Methylphenol	98.92	
621-64-7	N-Nitroso-di-n-propylamine	98.69	
67-72-1	Hexachloroethane	98.93	
98-95-3	Nitrobenzene	100.4	
78-59-1	Isophorone	97.96	
88-75-5	2-Nitrophenol	100.5	
105-67-9	2,4-Dimethylphenol	100.6	
65-85-0	Benzoic Acid	142.2	
111-91-1	bis(2-Chloroethoxy)methane	102.5	
120-83-2	2,4-Dichlorophenol	99.48	
120-82-1	1,2,4-Trichlorobenzene	100.3	
91-20-3	Naphthalene	97.38	
106-47-8	4-Chloroaniline	107.4	
87-68-3	Hexachlorobutadiene	109.2	
59-50-7	4-Chloro-3-methylphenol	99.66	
91-57-6	2-Methylnaphthalene	93.54	
90-12-0	1-Methylnaphthalene	92.60	
77-47-4	Hexachlorocyclopentadiene	96.90	
88-06-2	2,4,6-Trichlorophenol	99.20	
95-95-4	2,4,5-Trichlorophenol	98.61	
91-58-7	2-Chloronaphthalene	100.8	
88-74-4	2-Nitroaniline	103.9	
131-11-3	Dimethylphthalate	95.49	
208-96-8	Acenaphthylene	92.94	
606-20-2	2,6-Dinitrotoluene	108.6	
99-09-2	3-Nitroaniline	105.3	
83-32-9	Acenaphthene	99.54	
51-28-5	2,4-Dinitrophenol	107.5	
100-02-7	4-Nitrophenol	103.0	

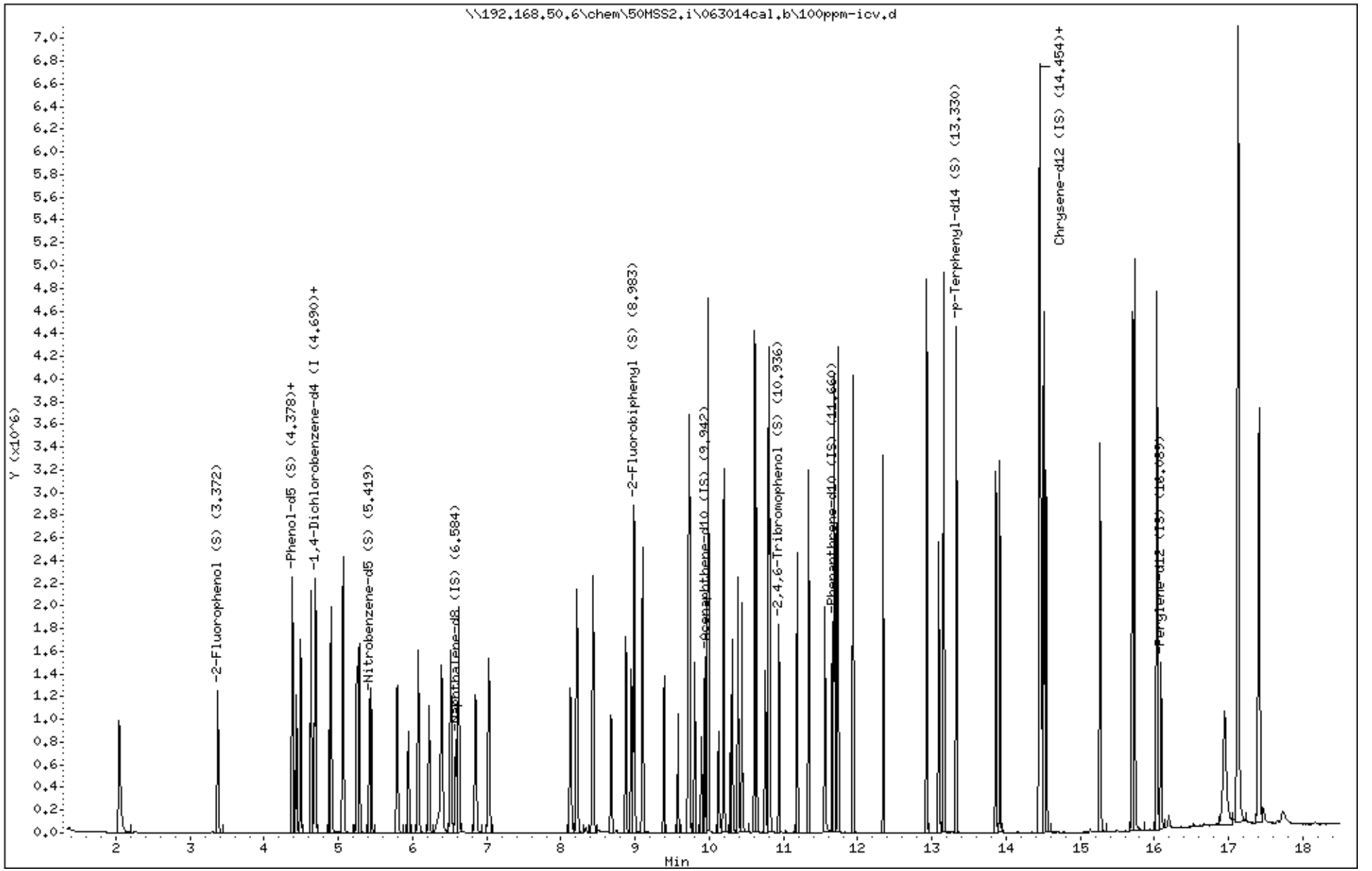
Pace Analytical Services, Inc.

TARGET COMPOUNDS

Client Name: Client SDG: 063014cal.b
Lab Smp Id: ICV,71680:1
Sample Location: Sample Point:
Sample Date: Date Received:
Sample Matrix: WATER Quant Type: ISTD
Analysis Type: SV Level: LOW
Data Type: MS DATA Operator: SN
Misc Info: 15626

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/L	Q
132-64-9	Dibenzofuran	97.40	
121-14-2	2,4-Dinitrotoluene	107.0	
84-66-2	Diethylphthalate	112.8	
86-73-7	Fluorene	109.6	
7005-72-3	4-Chlorophenyl-phenylether	98.42	
100-01-6	4-Nitroaniline	105.5	
534-52-1	4,6-Dinitro-2-methylphenol	115.5	
86-30-6	N-Nitrosodiphenylamine	117.0	
122-66-7	1,2-Diphenylhydrazine	98.15	
101-55-3	4-Bromophenyl-phenylether	100.2	
118-74-1	Hexachlorobenzene	99.90	
87-86-5	Pentachlorophenol	121.7	
85-01-8	Phenanthrene	99.07	
120-12-7	Anthracene	97.37	
86-74-8...	Carbazole	95.66	
84-74-2	Di-n-butylphthalate	94.78	
206-44-0	Fluoranthene	98.80	
92-87-5	Benzidine	216.7	
129-00-0	Pyrene	97.66	
85-68-7	Butylbenzylphthalate	100.5	
56-55-3	Benzo(a)anthracene	97.98	
91-94-1	3,3'-Dichlorobenzidine	117.7	
218-01-9	Chrysene	101.0	
117-81-7	bis(2-Ethylhexyl)phthalate	101.9	
117-84-0	Di-n-octylphthalate	100.7	
205-99-2	Benzo(b)fluoranthene	100.4	
207-08-9	Benzo(k)fluoranthene	95.86	
50-32-8	Benzo(a)pyrene	99.64	
193-39-5	Indeno(1,2,3-cd)pyrene	95.62	
53-70-3	Dibenz(a,h)anthracene	100.6	
191-24-2	Benzo(g,h,i)perylene	98.25	
367-12-4	2-Fluorophenol (S)	108.9	
13127-88-3	Phenol-d5 (S)	95.74	
4165-60-0	Nitrobenzene-d5 (S)	106.1	
321-60-8	2-Fluorobiphenyl (S)	102.7	
----------	2,4,6-Tribromophenol (S)	106.0	
98904-43-9	p-Terphenyl-d14 (S)	107.3	

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d
Date : 30-JUN-2014 16:35
Client ID:
Instrument: 50MSS2.i
Sample Info: ICV,71680:1
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
Column diameter: 0.25



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Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

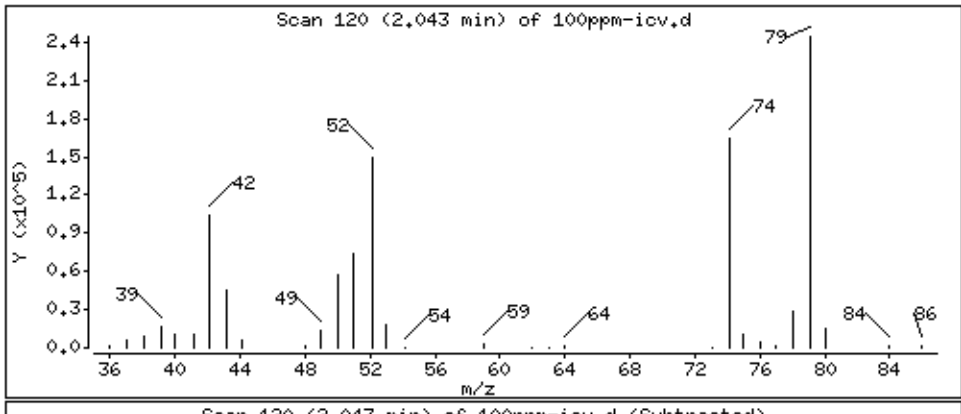
Operator: SN

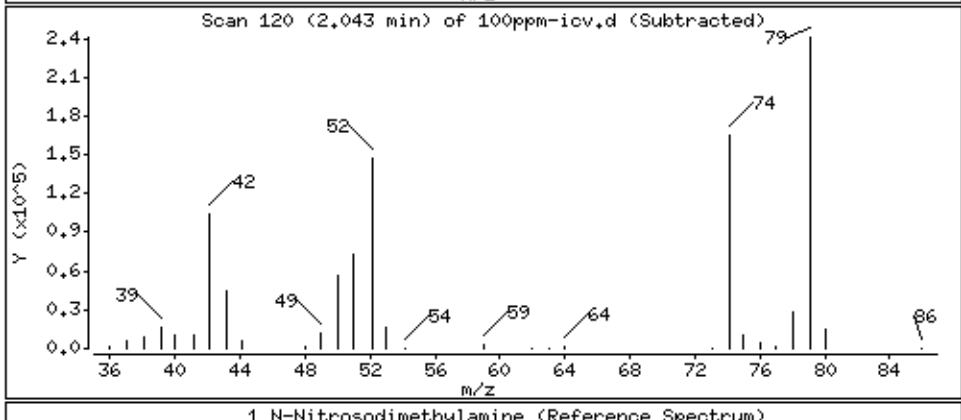
Column phase: .50um DB-5ms

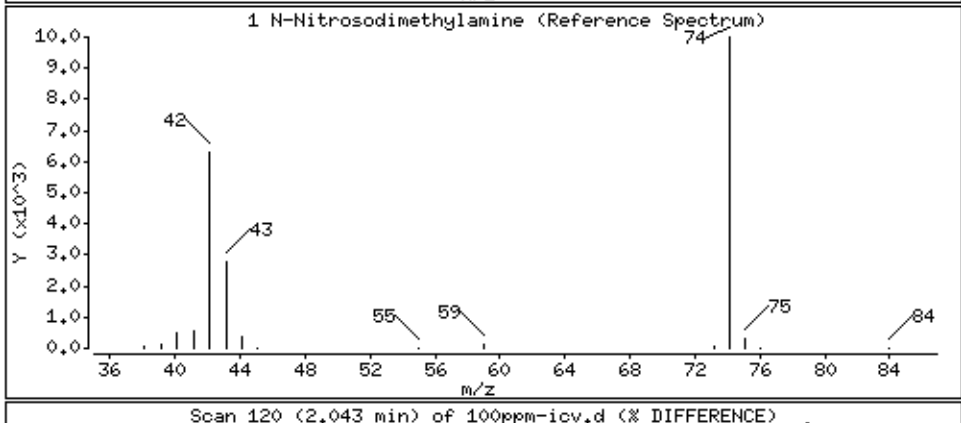
Column diameter: 0.25

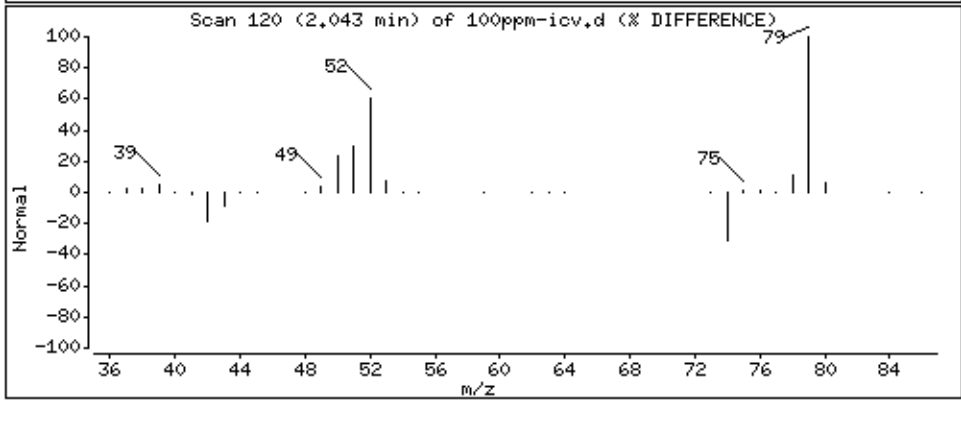
1 N-Nitrosodimethylamine

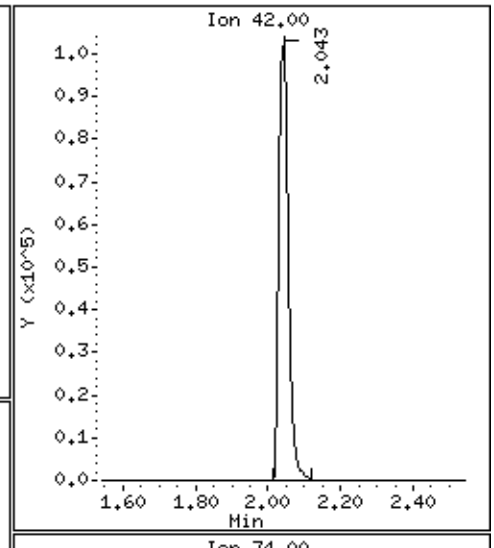
Concentration: 96.40 ug/L

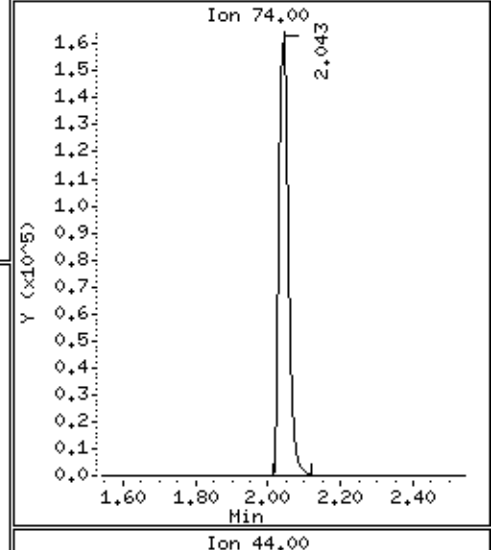


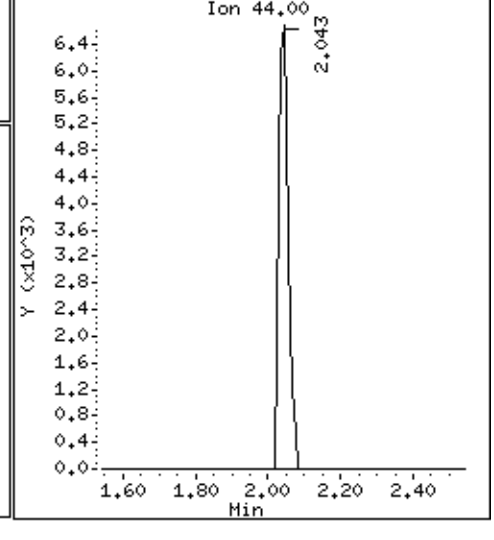












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Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

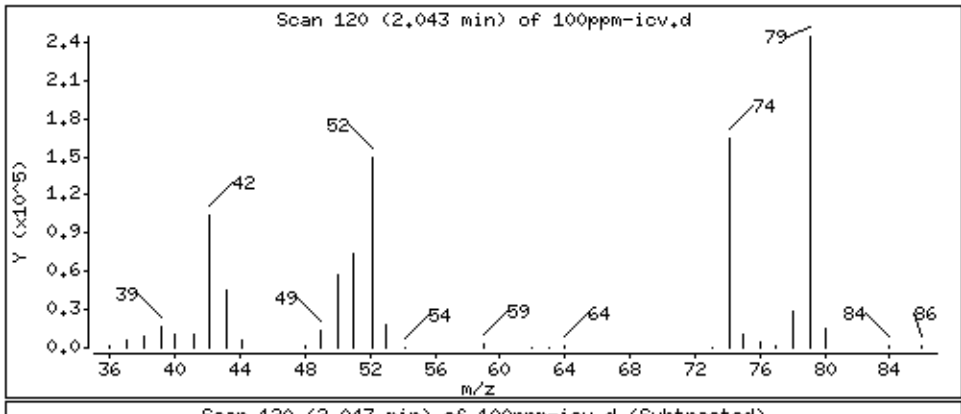
Operator: SN

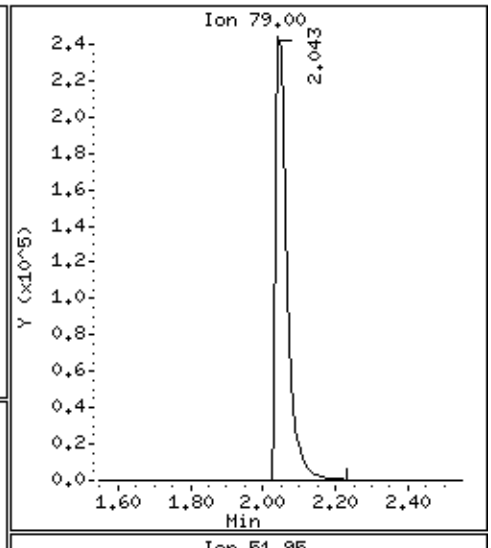
Column phase: .50um DB-5ms

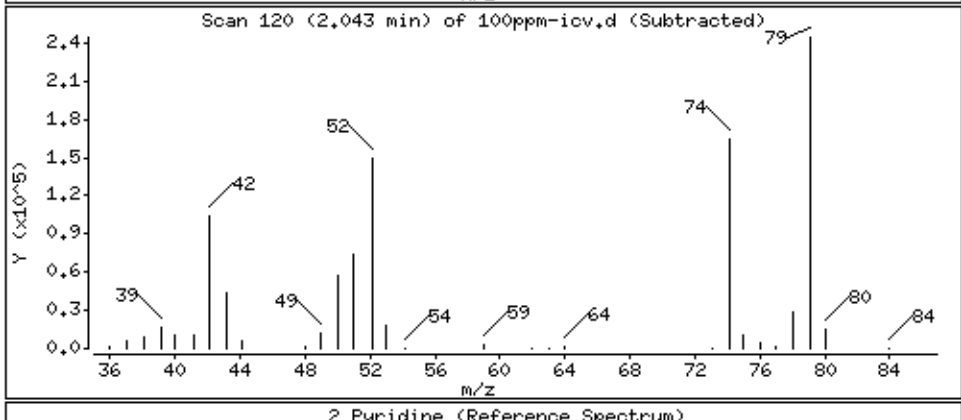
Column diameter: 0.25

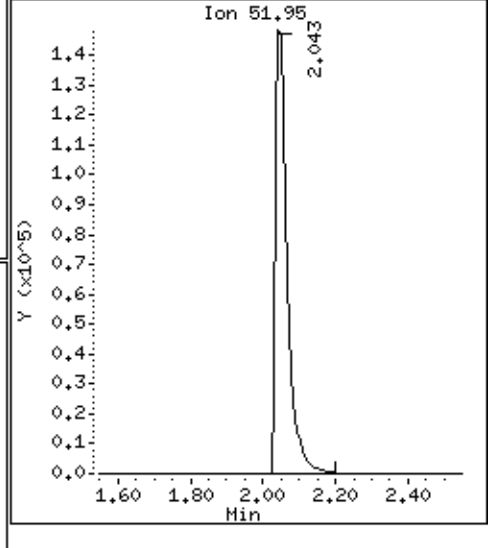
2 Pyridine

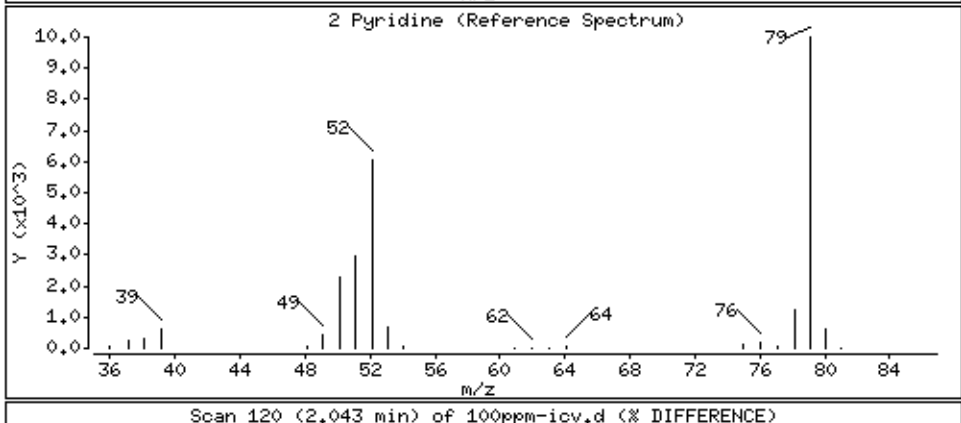
Concentration: 102.7 ug/L

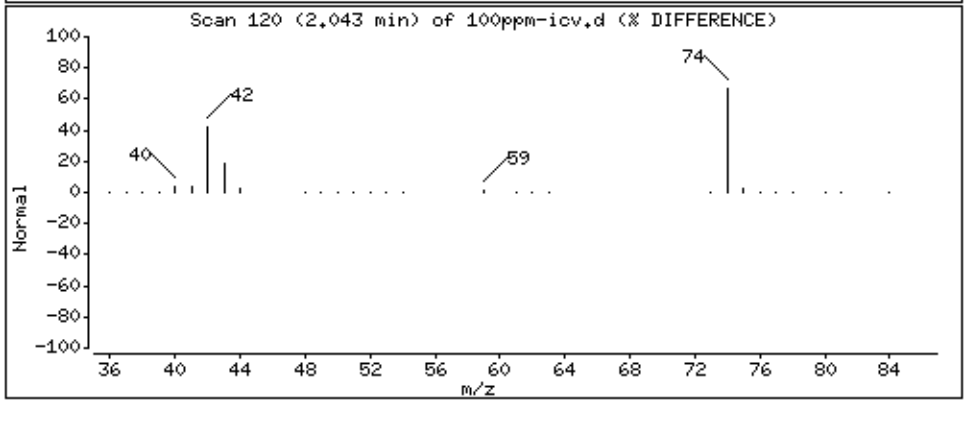












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

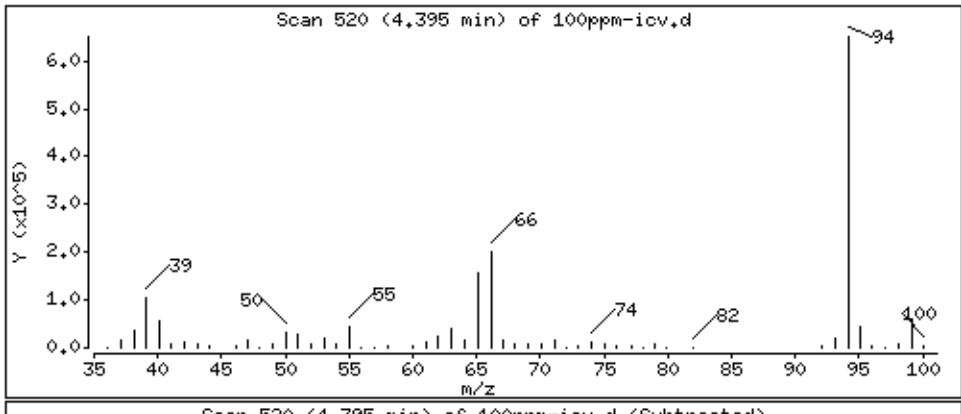
Operator: SN

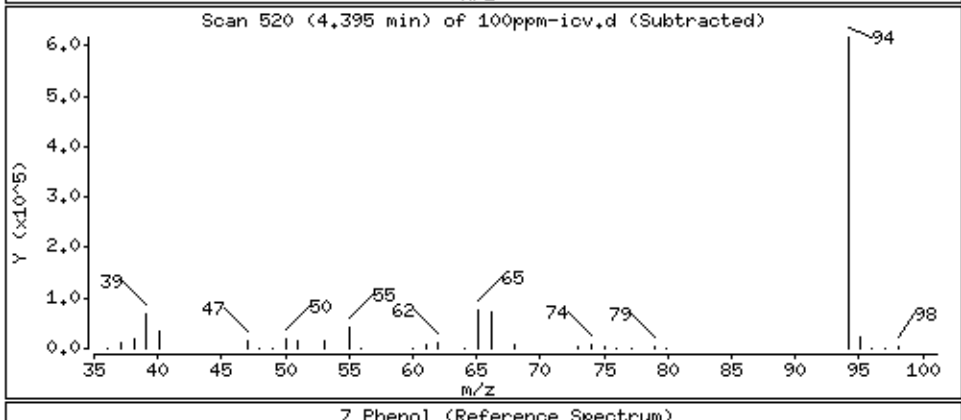
Column phase: .50um DB-5ms

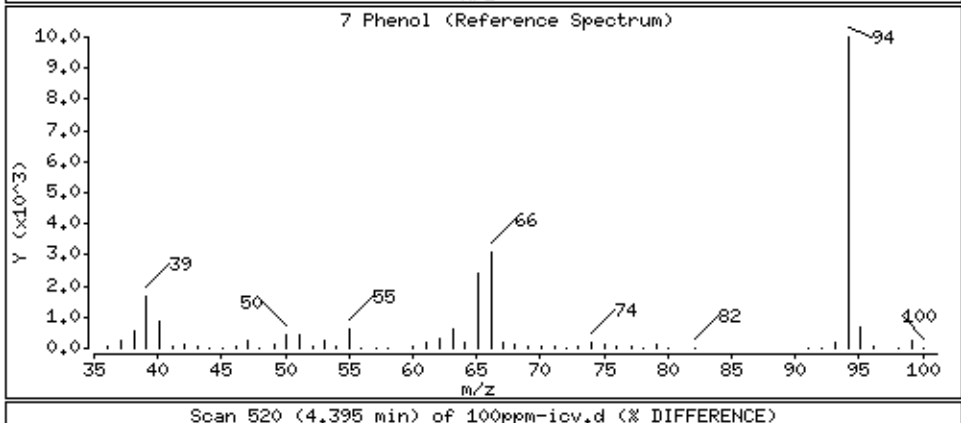
Column diameter: 0.25

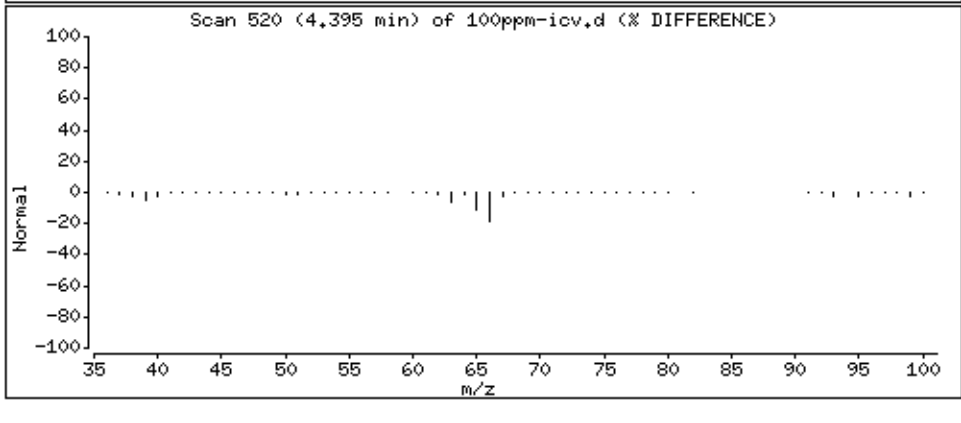
7 Phenol

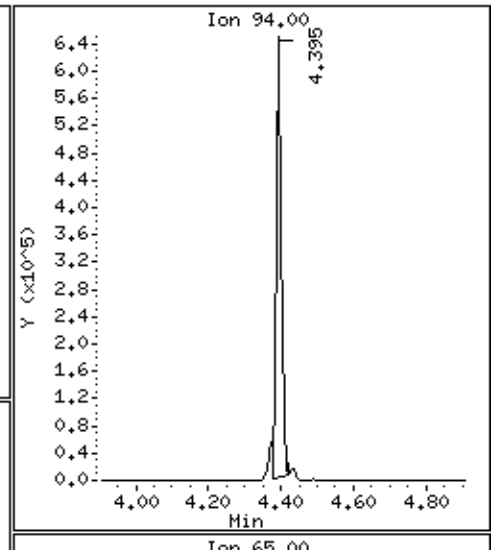
Concentration: 93.83 ug/L

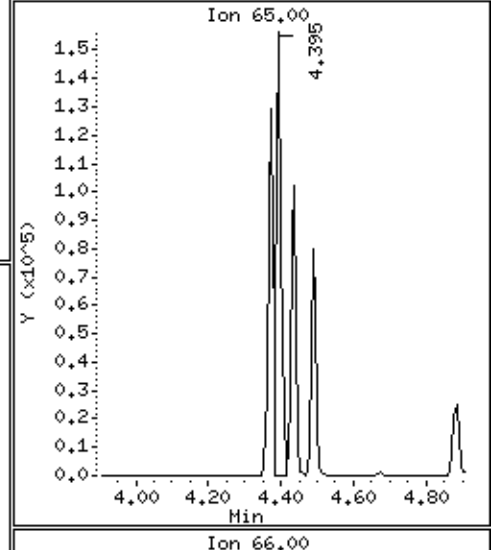


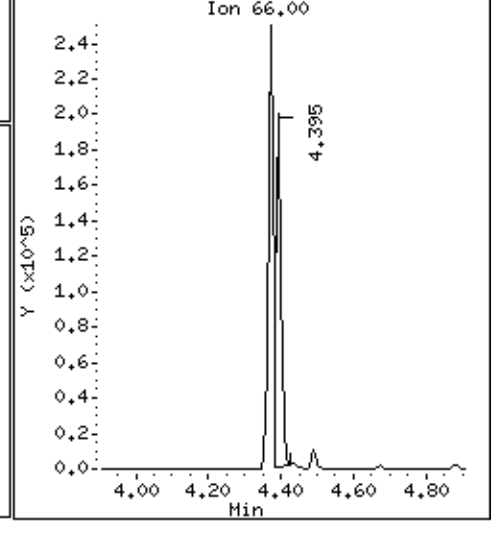












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

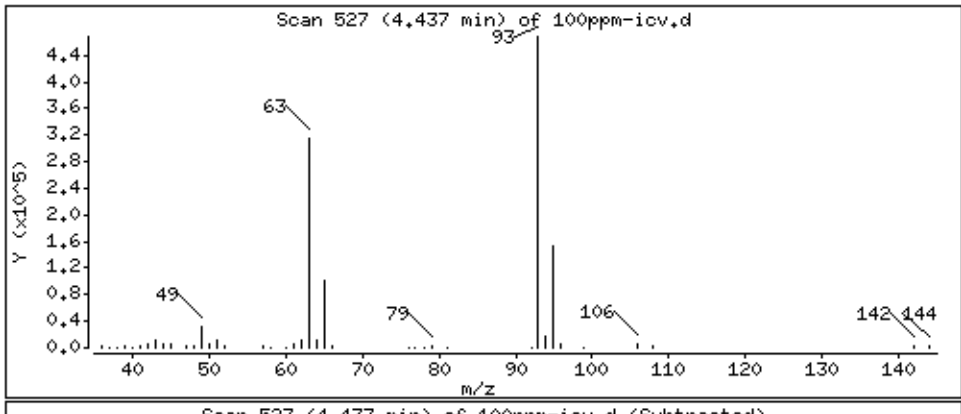
Operator: SN

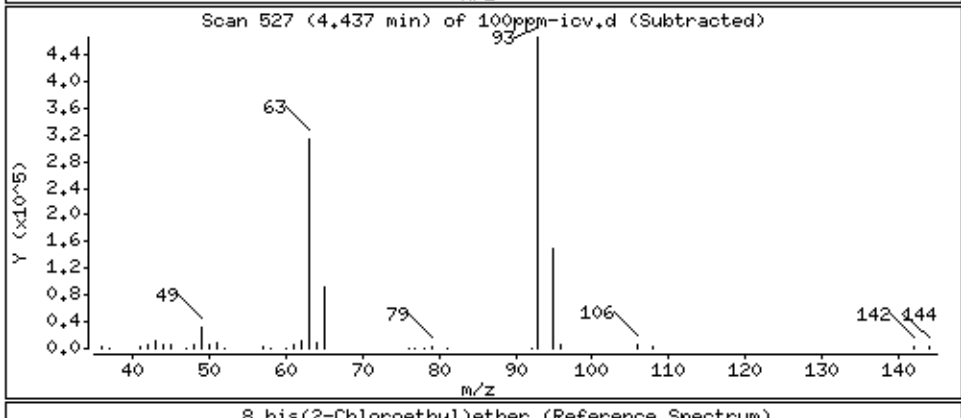
Column phase: .50um DB-5ms

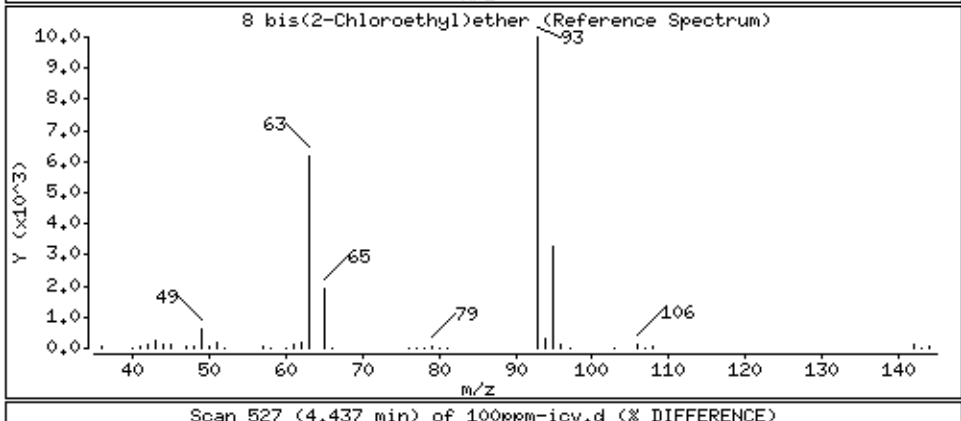
Column diameter: 0.25

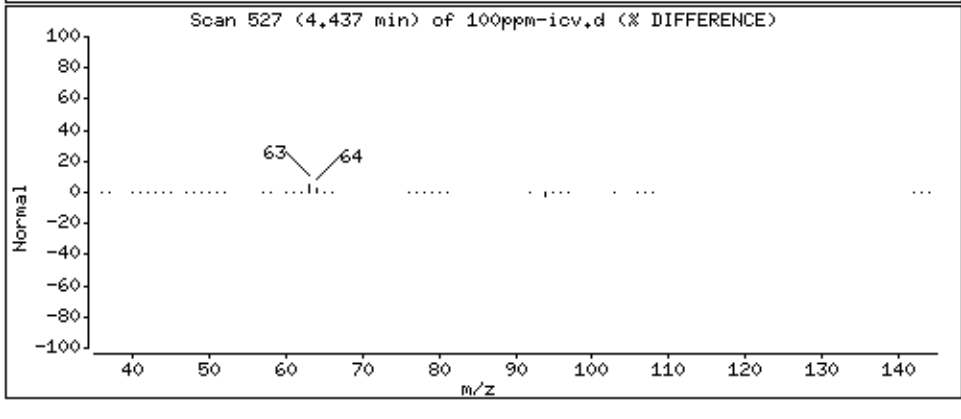
8 bis(2-Chloroethyl)ether

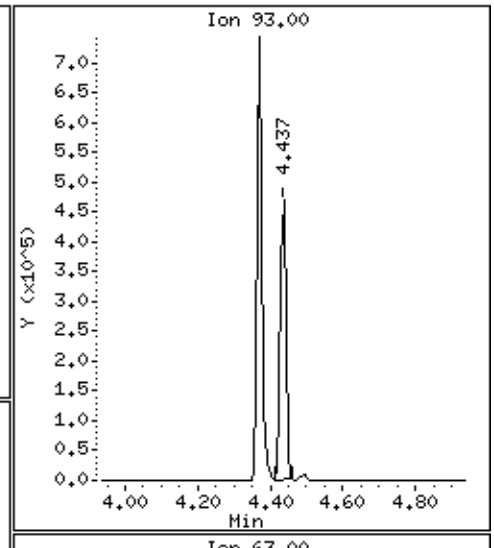
Concentration: 99.06 ug/L

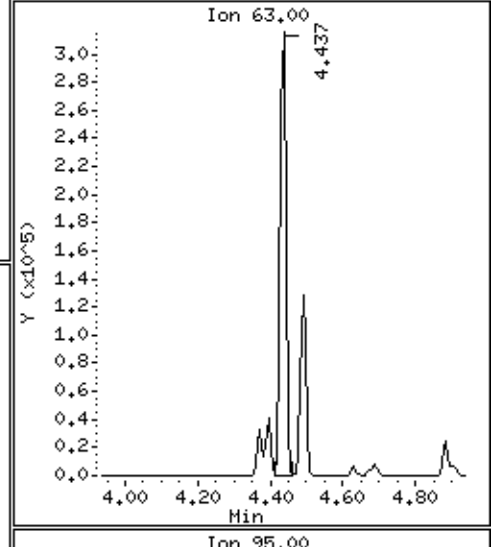


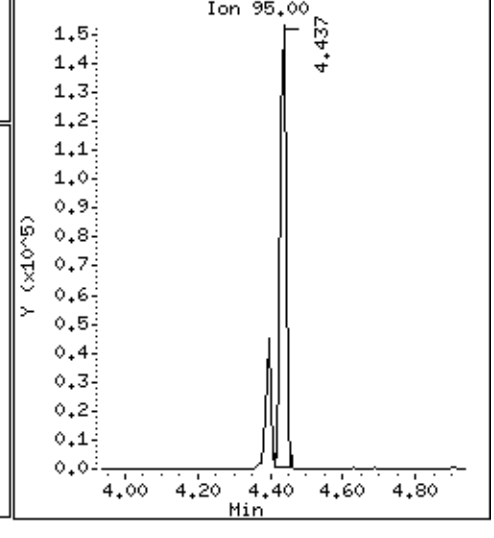












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

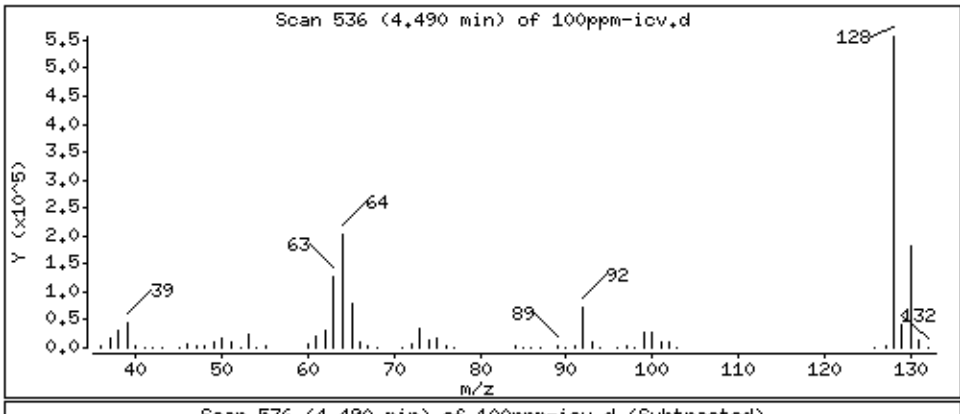
Operator: SN

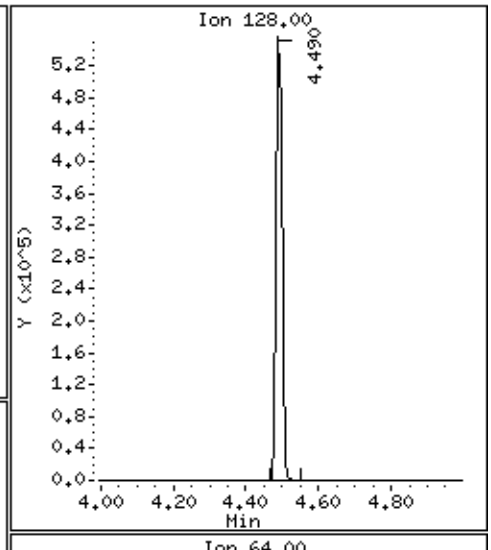
Column phase: .50um DB-5ms

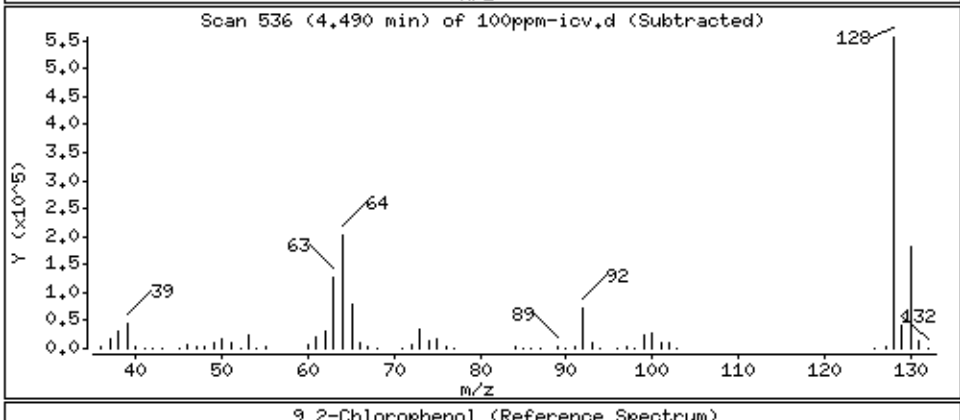
Column diameter: 0.25

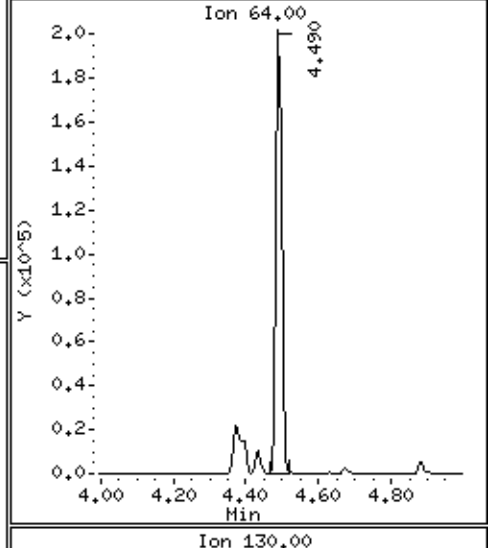
9 2-Chlorophenol

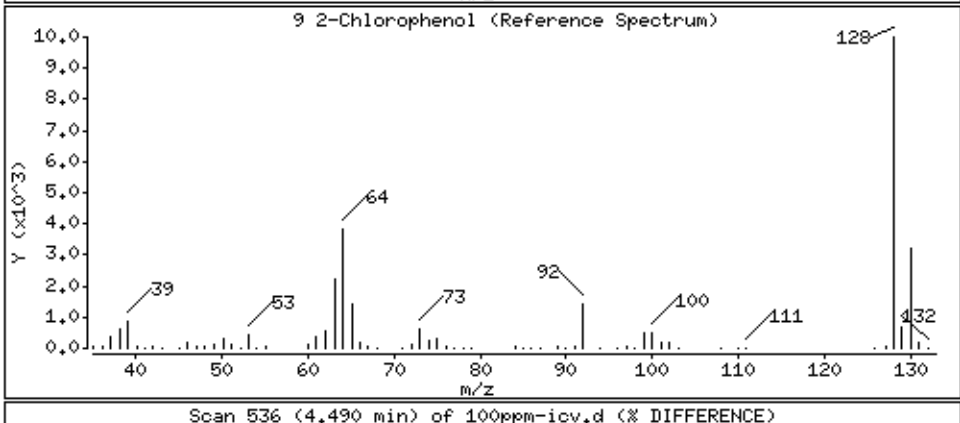
Concentration: 95.24 ug/L

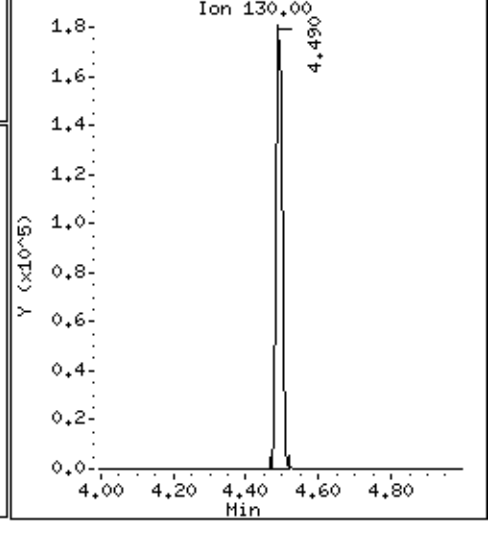


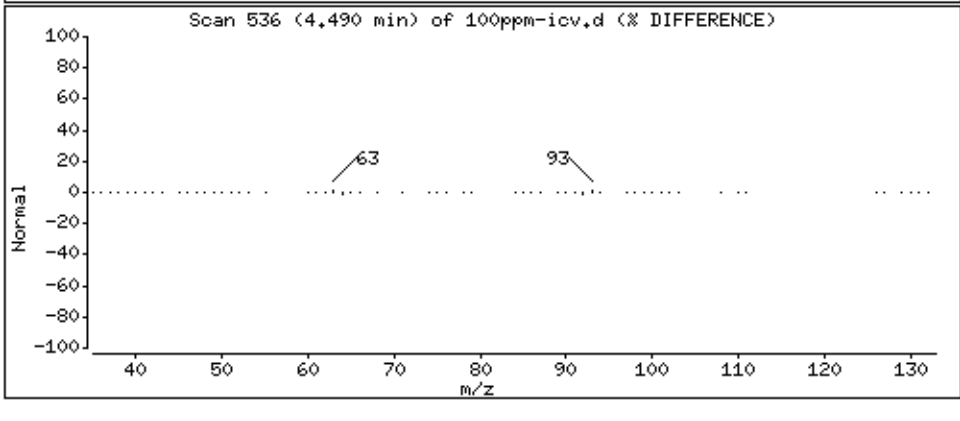












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

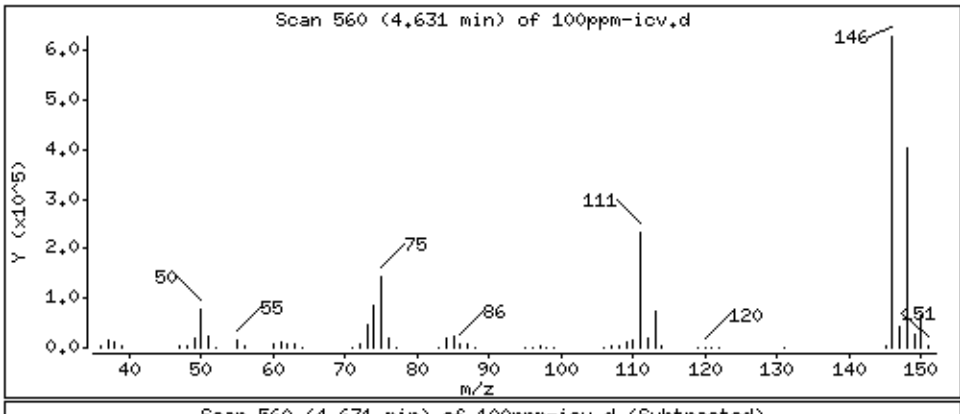
Operator: SN

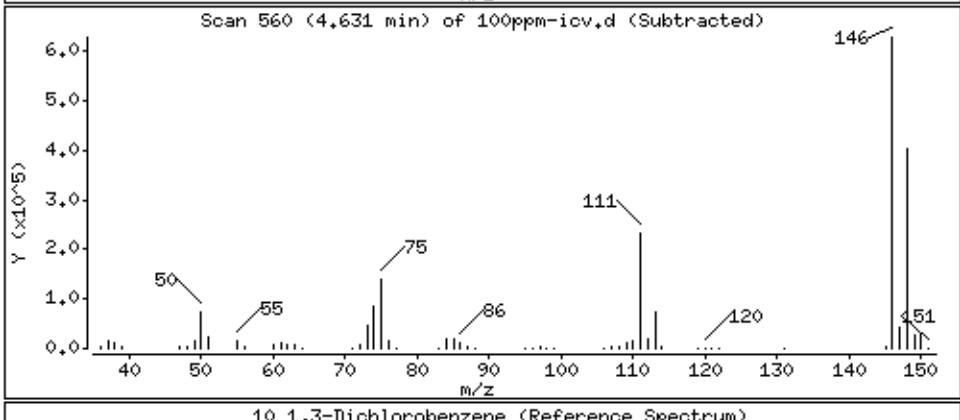
Column phase: .50um DB-5ms

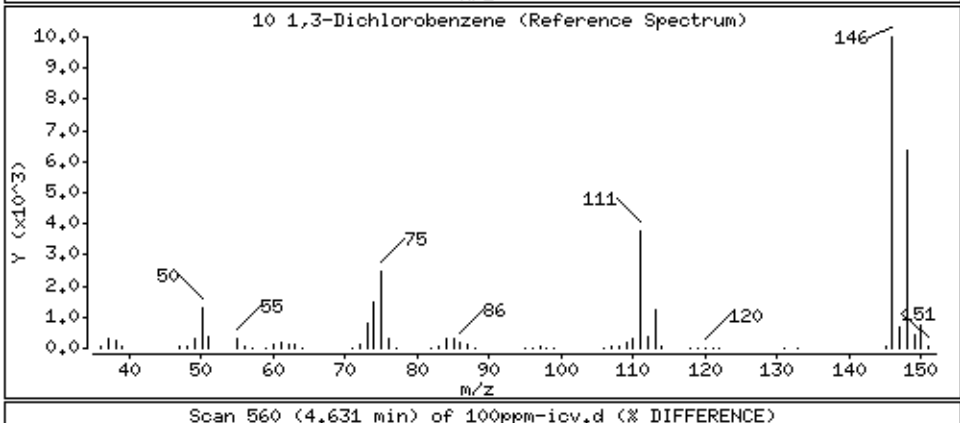
Column diameter: 0.25

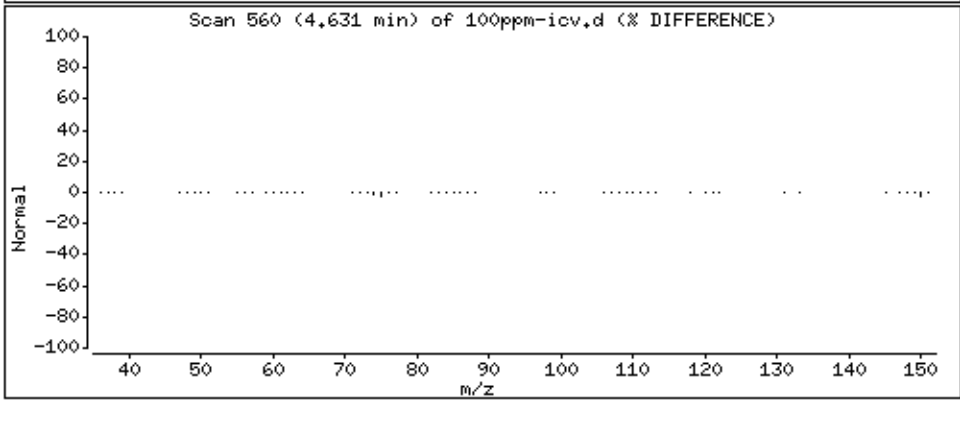
10 1,3-Dichlorobenzene

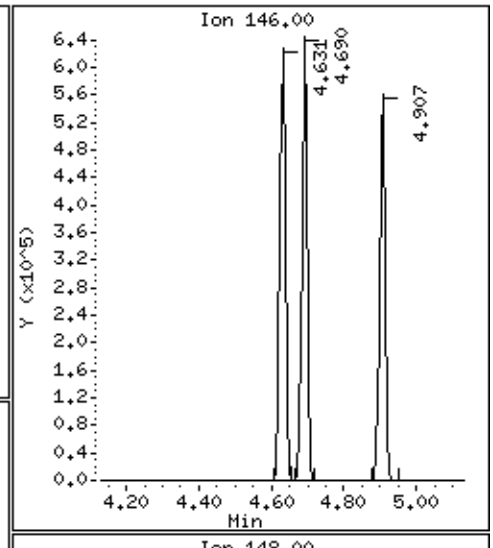
Concentration: 94.73 ug/L

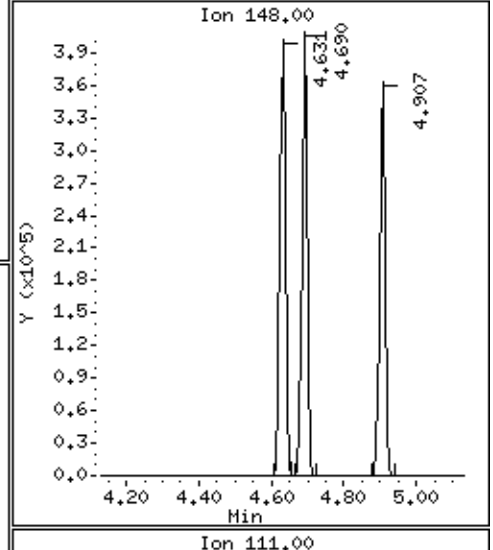


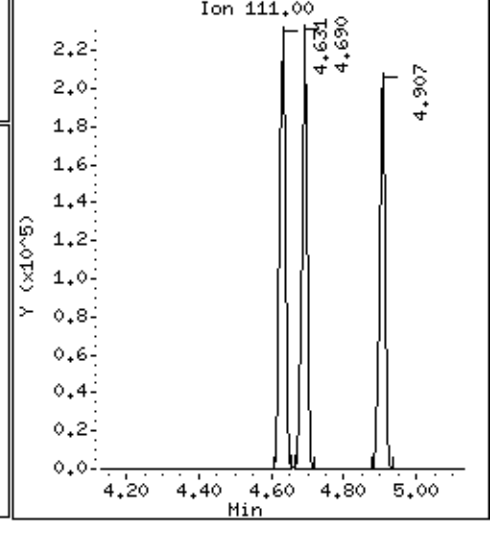












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

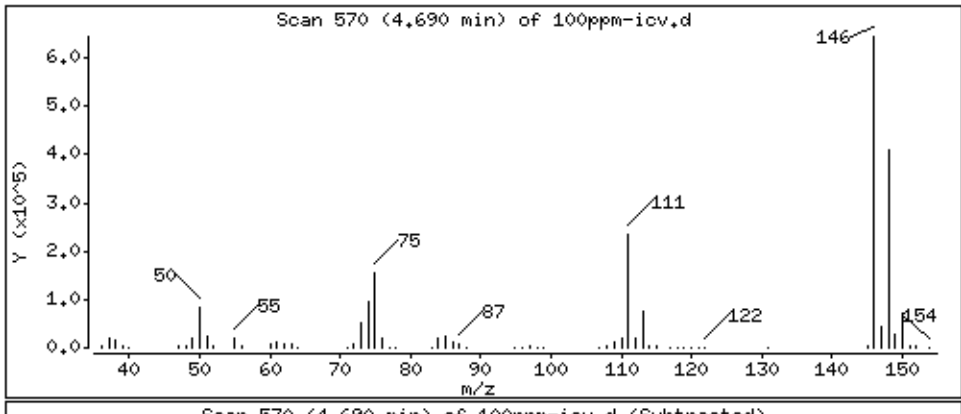
Operator: SN

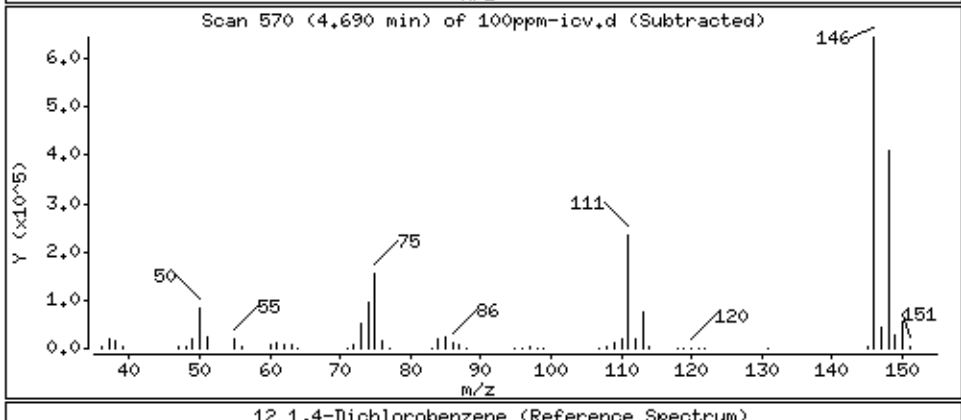
Column phase: .50um DB-5ms

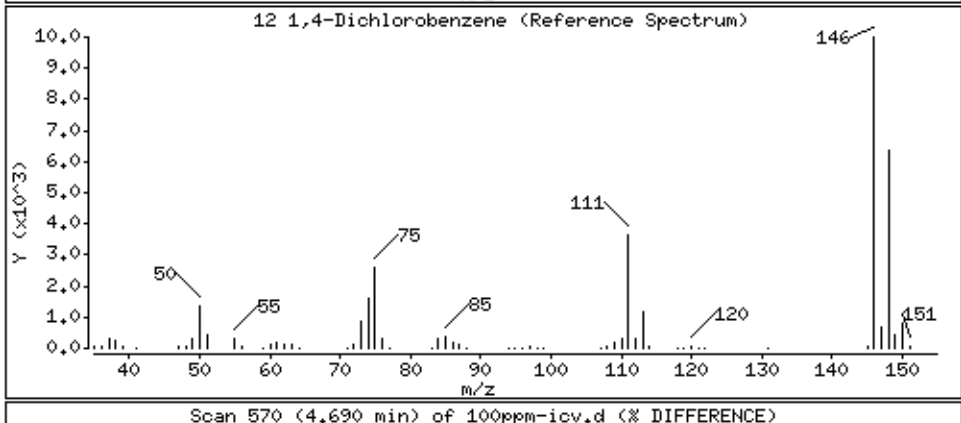
Column diameter: 0.25

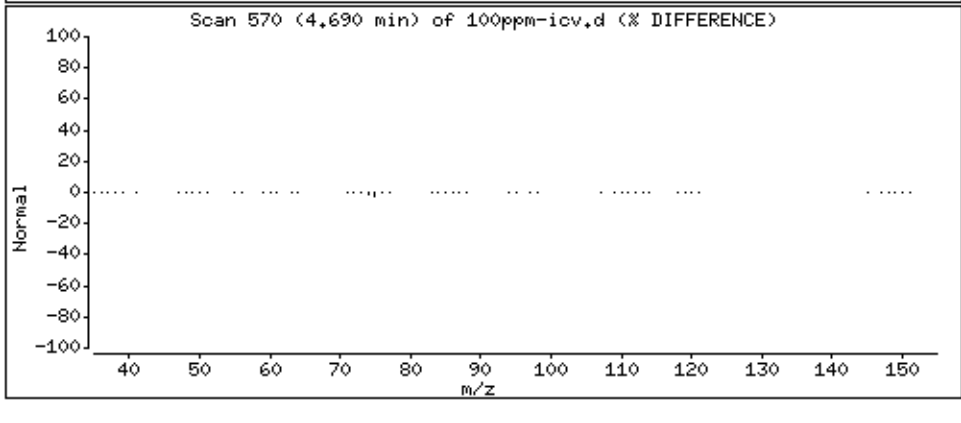
12 1,4-Dichlorobenzene

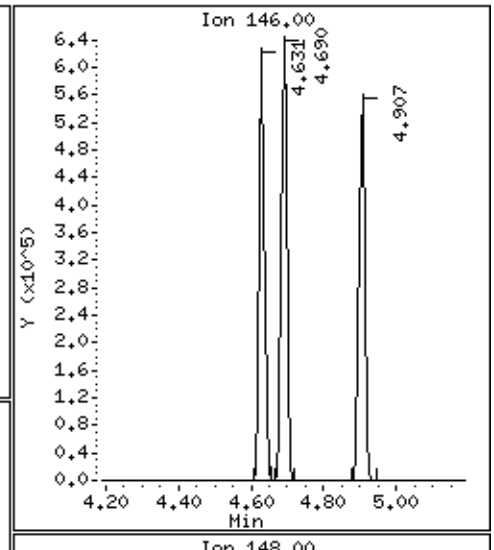
Concentration: 97.65 ug/L

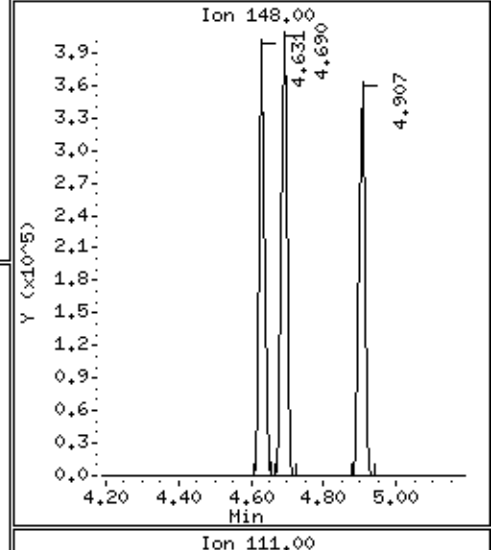


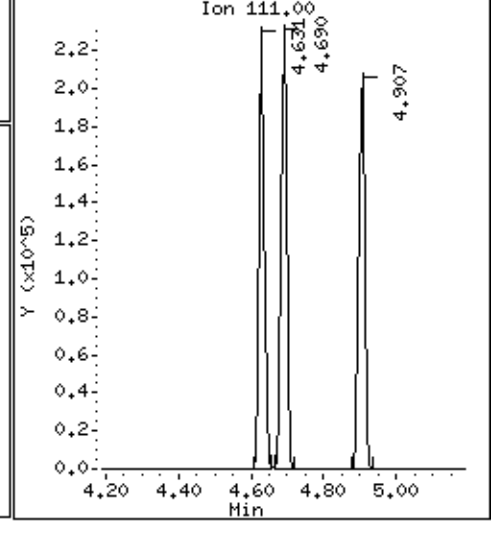












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

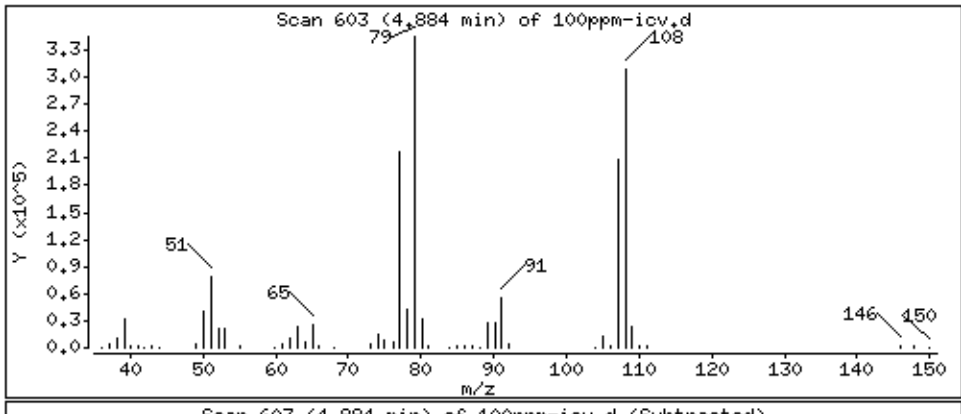
Operator: SN

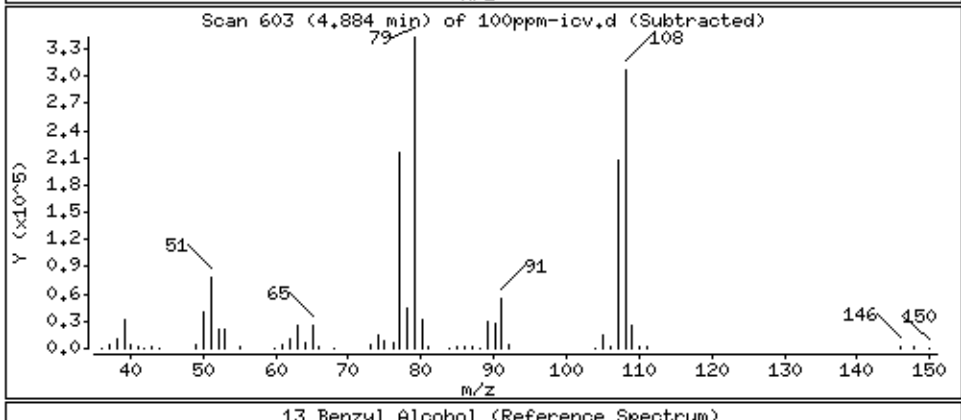
Column phase: .50um DB-5ms

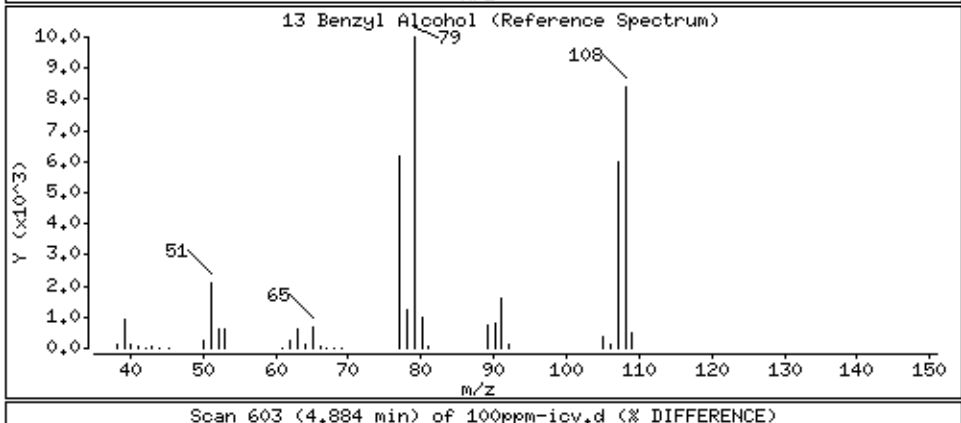
Column diameter: 0.25

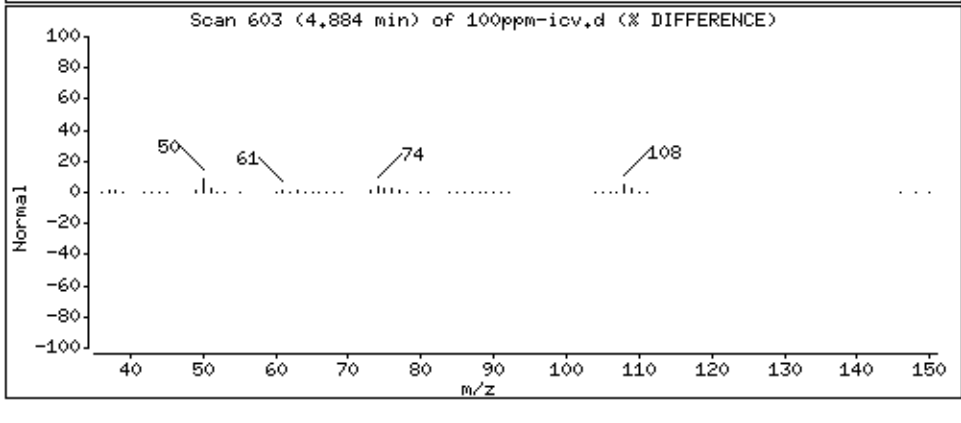
13 Benzyl Alcohol

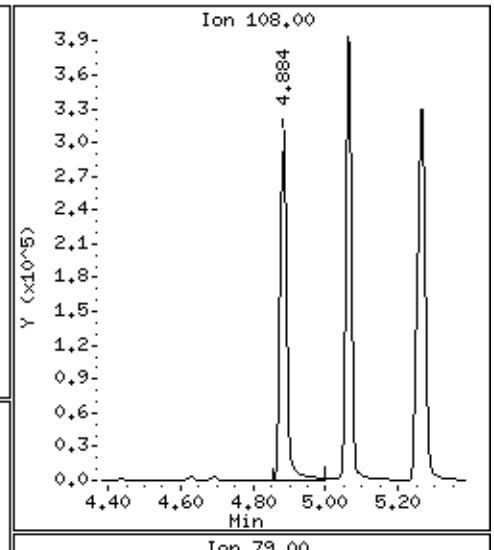
Concentration: 103.4 ug/L

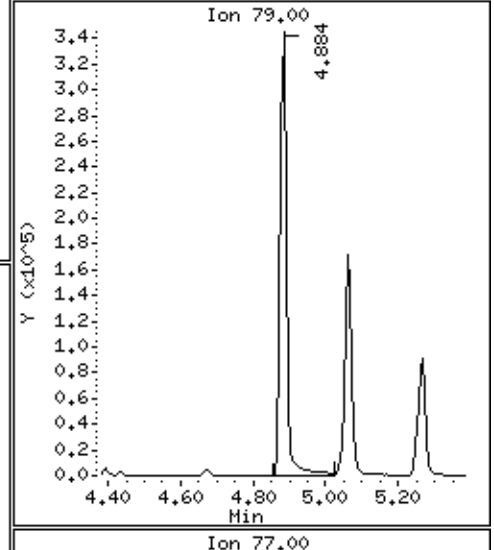


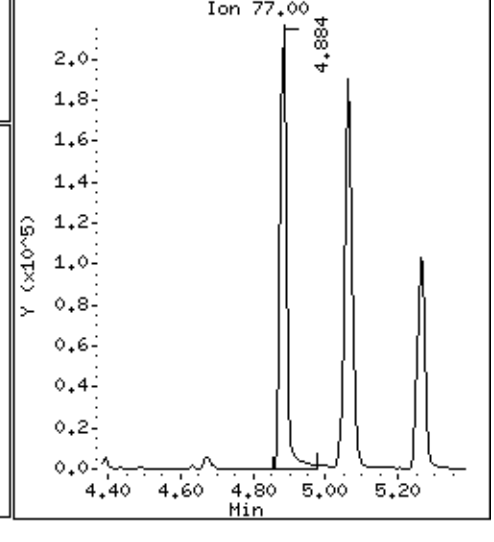












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

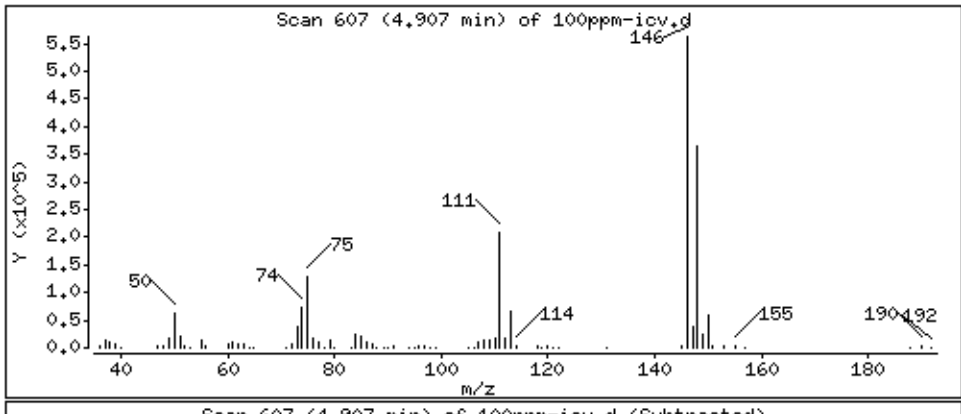
Operator: SN

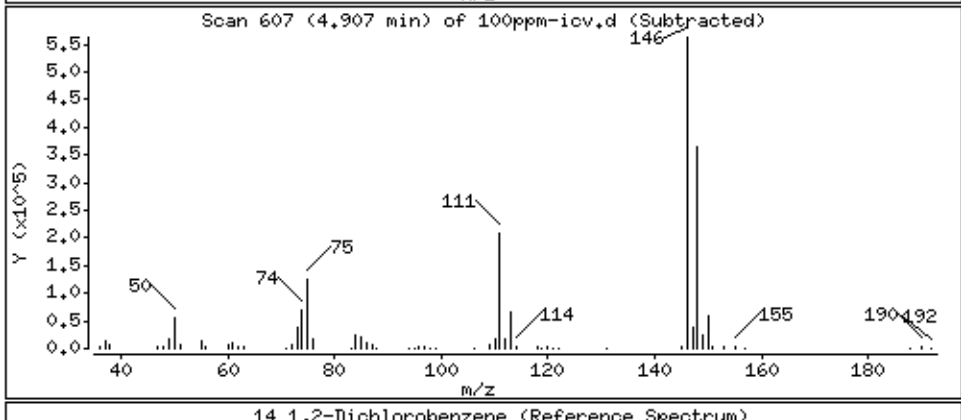
Column phase: .50um DB-5ms

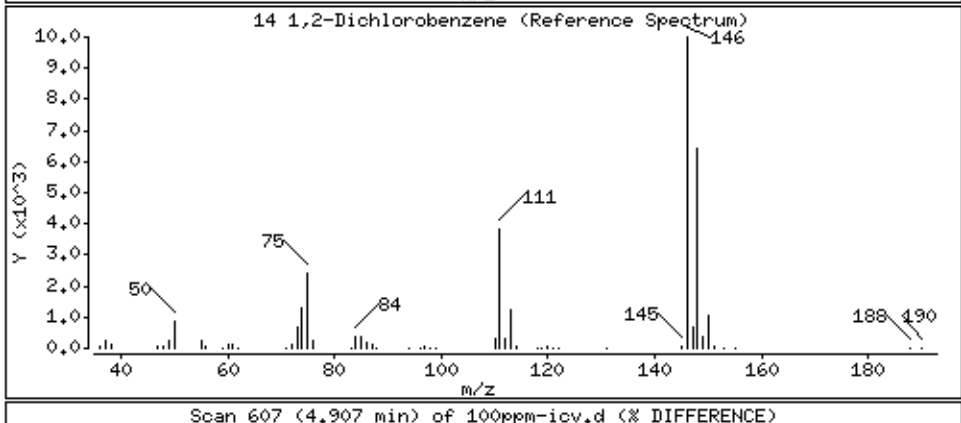
Column diameter: 0.25

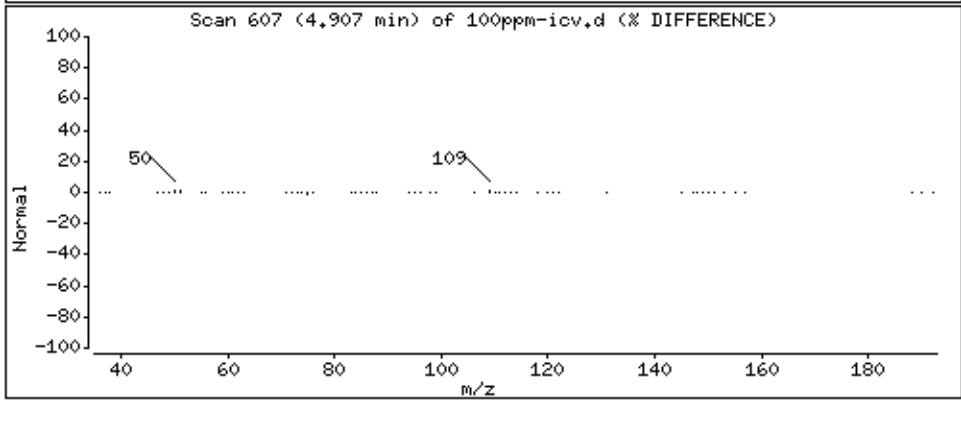
14 1,2-Dichlorobenzene

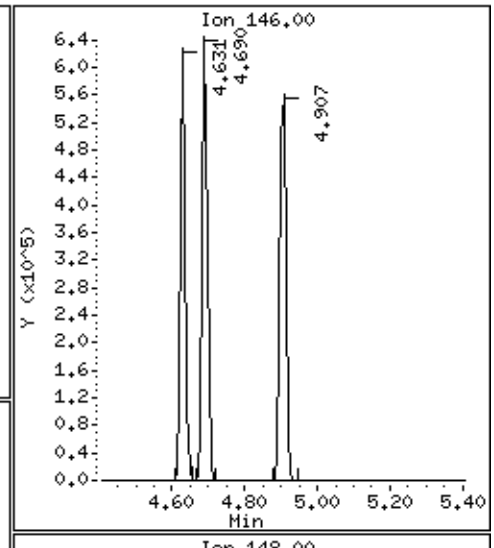
Concentration: 97.02 ug/L

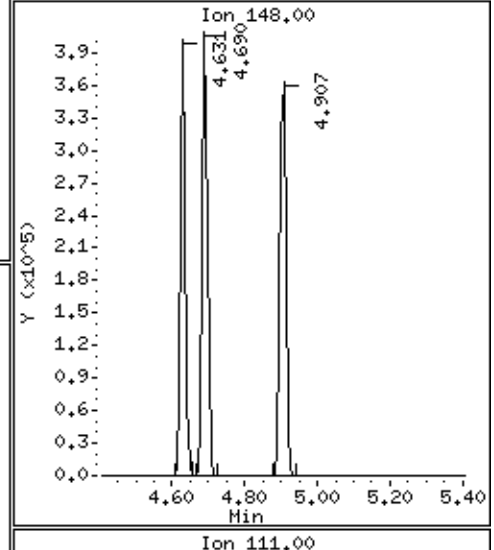


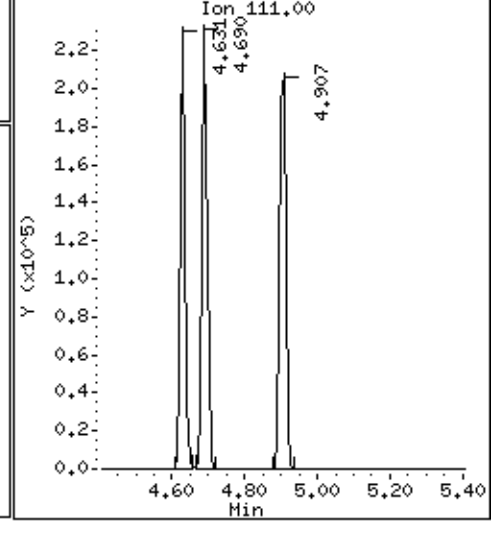












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

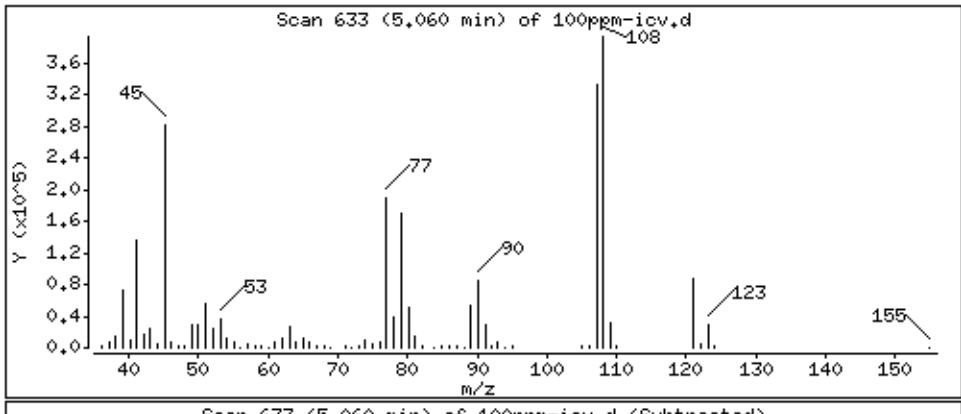
Operator: SN

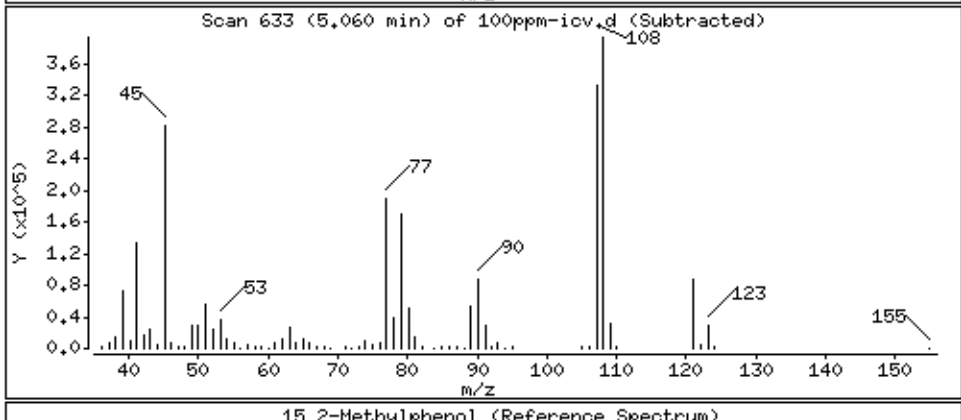
Column phase: .50um DB-5ms

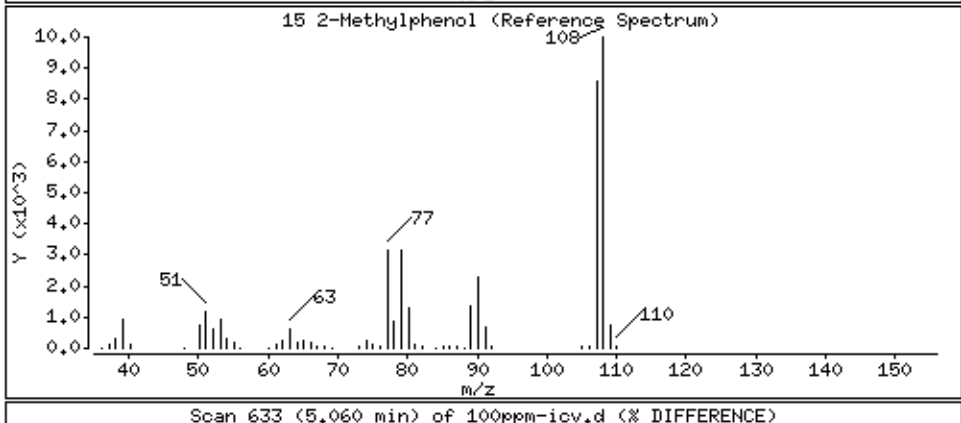
Column diameter: 0.25

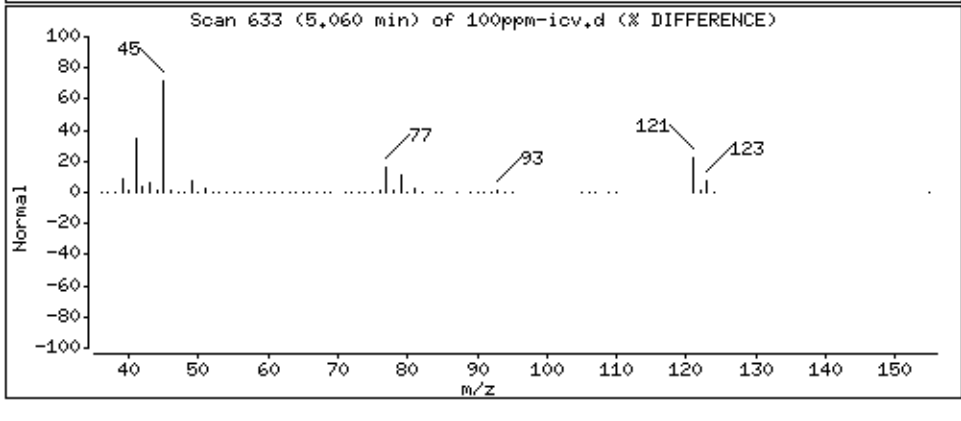
15 2-Methylphenol

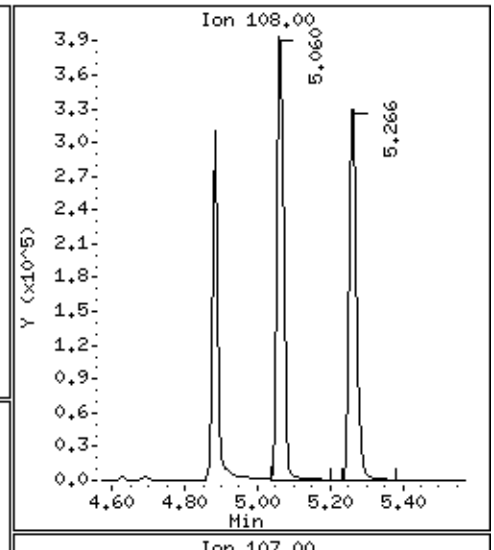
Concentration: 99.60 ug/L

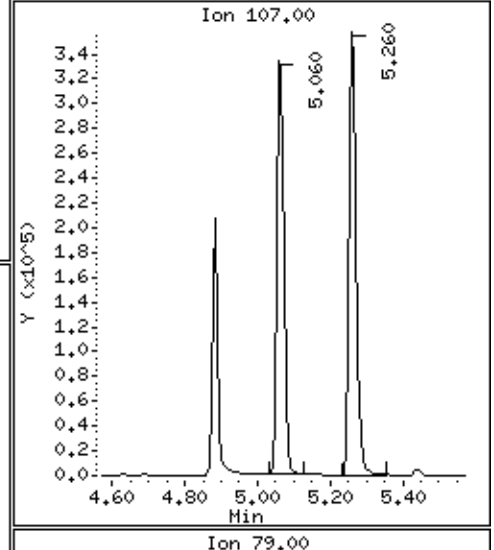


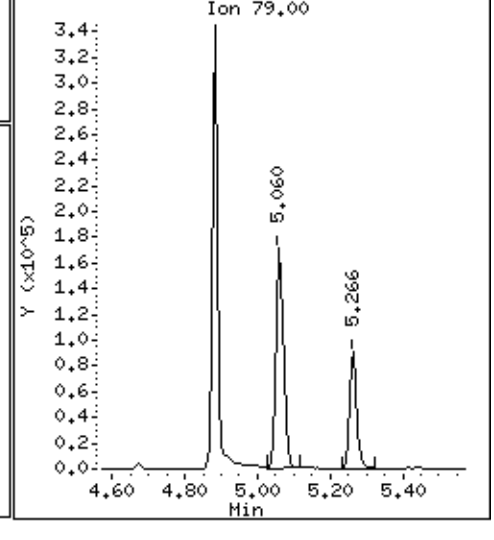












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

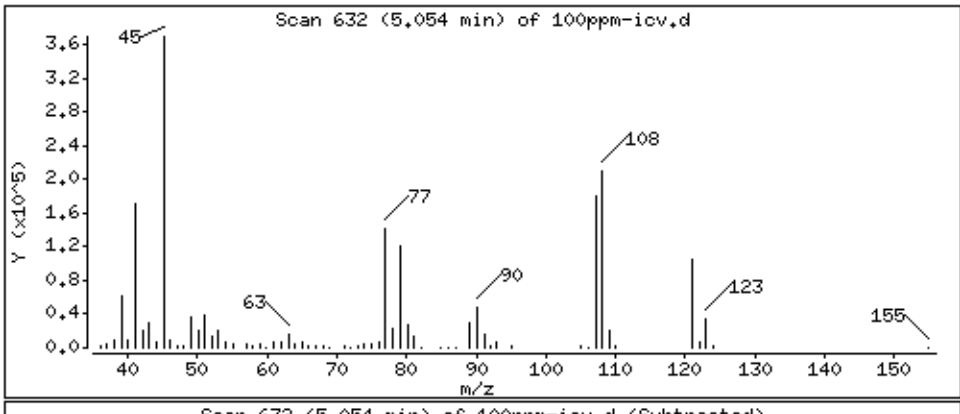
Operator: SN

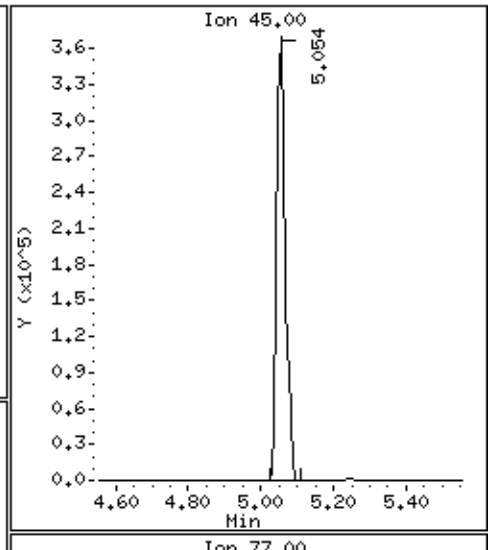
Column phase: .50um DB-5ms

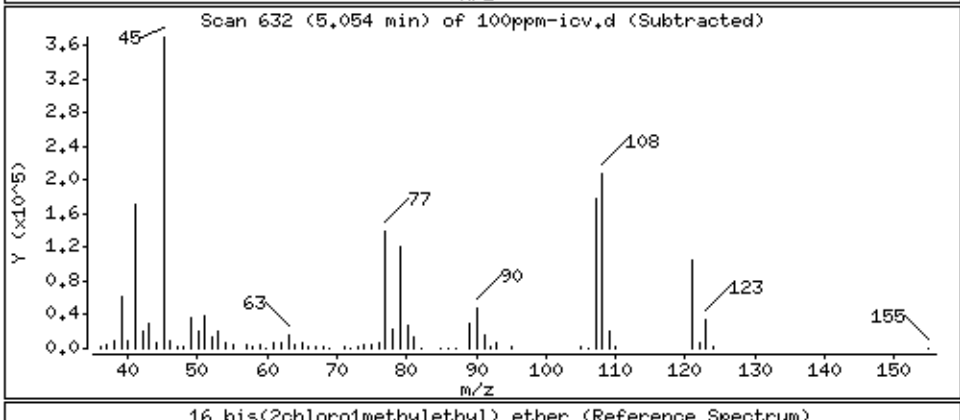
Column diameter: 0.25

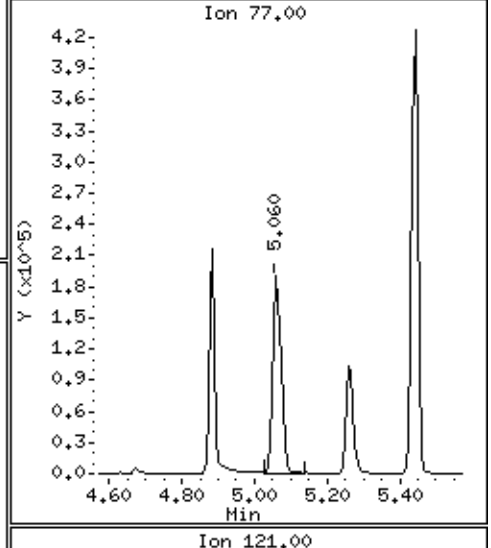
16 bis(2chloro1methylethyl) ether

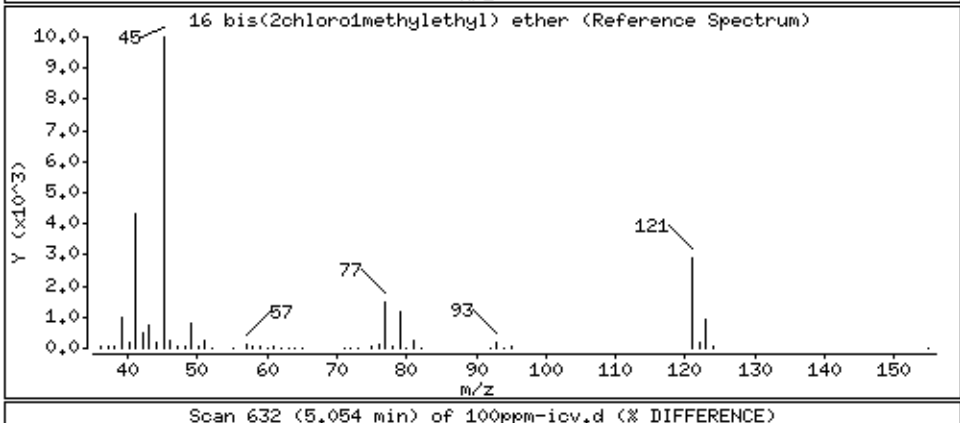
Concentration: 109.7 ug/L

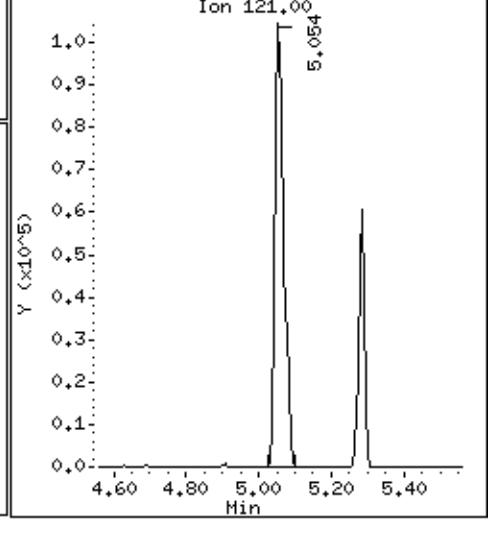


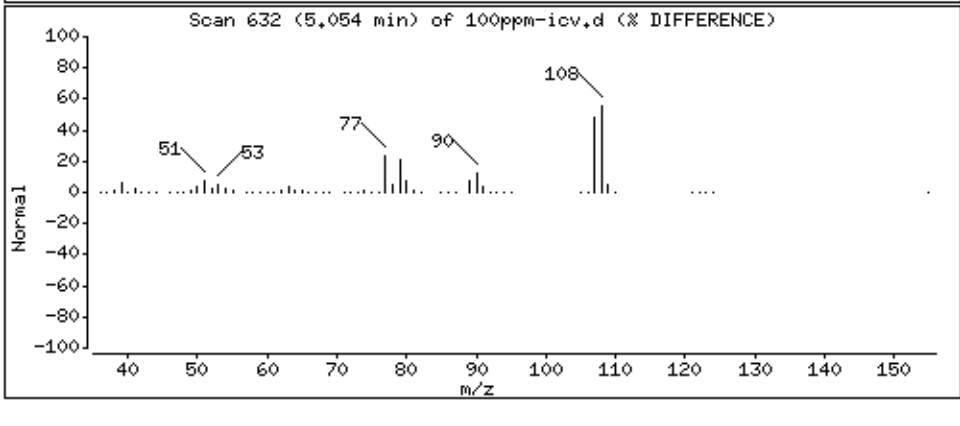












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

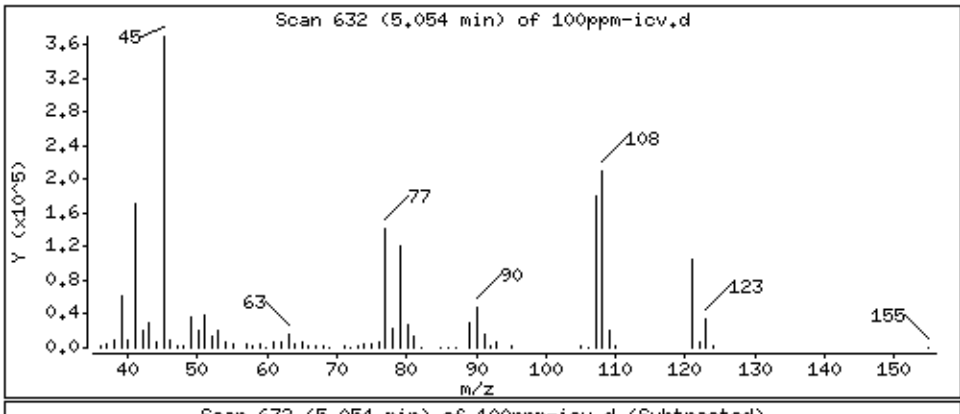
Operator: SN

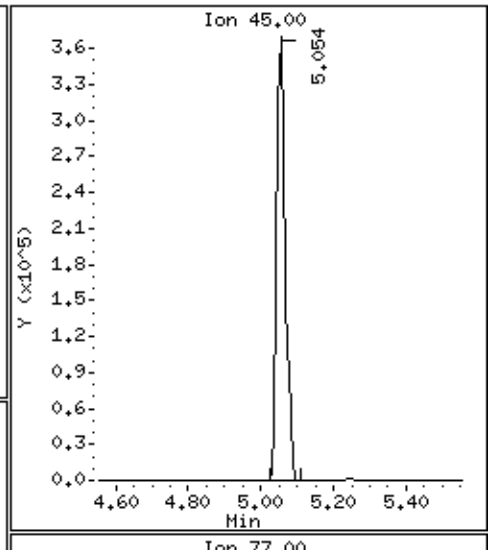
Column phase: .50um DB-5ms

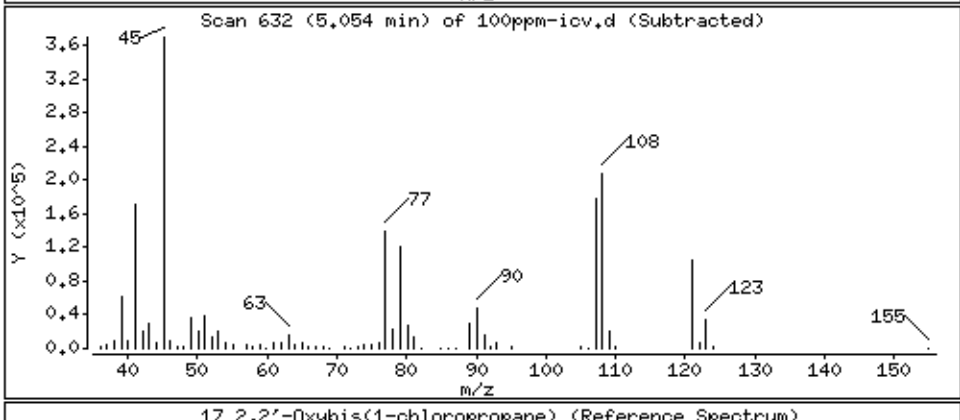
Column diameter: 0.25

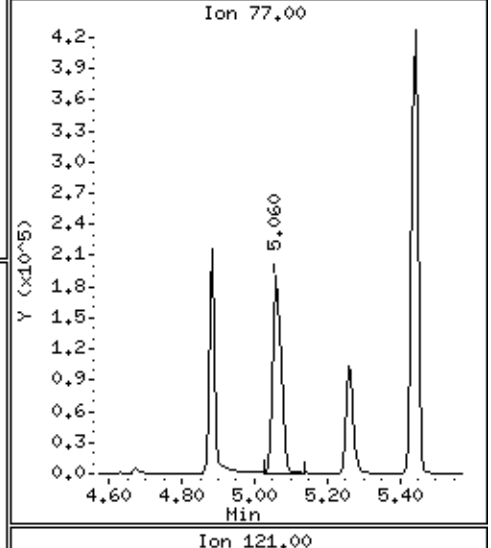
17 2,2'-Oxybis(1-chloropropane)

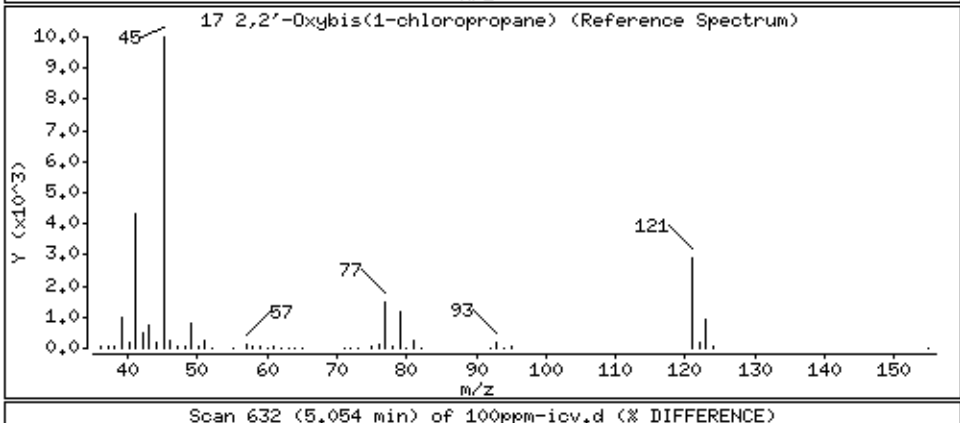
Concentration: 109.7 ug/L

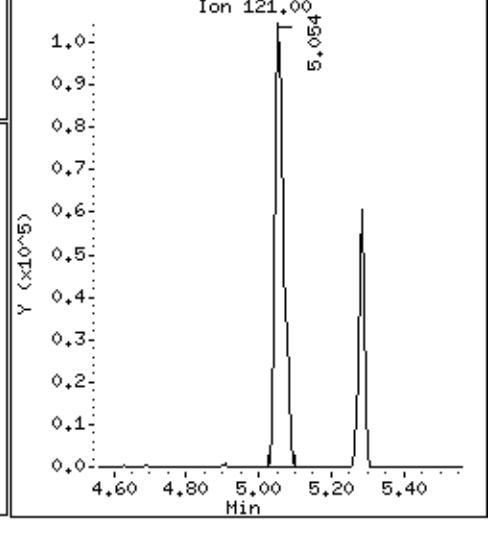


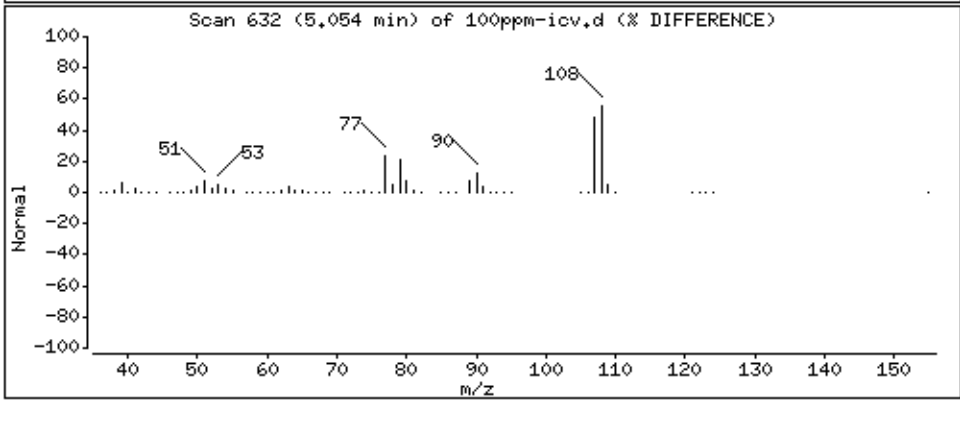












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

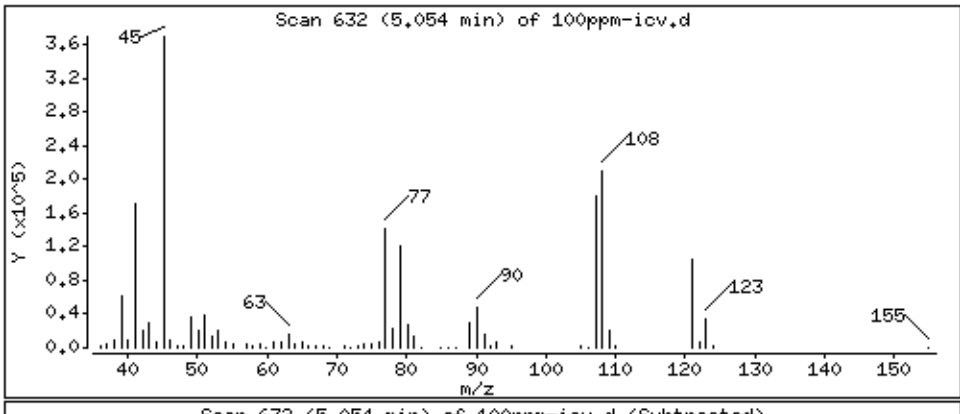
Operator: SN

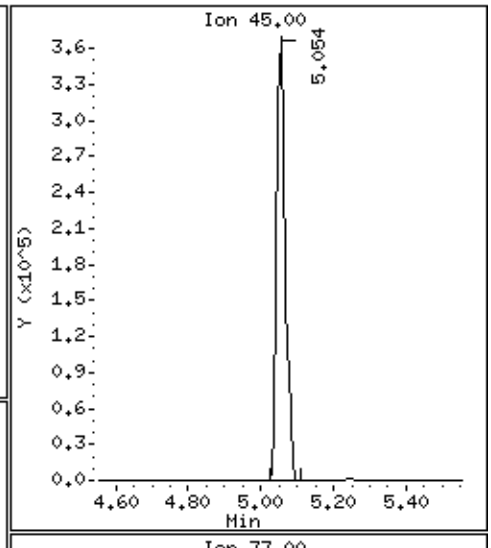
Column phase: .50um DB-5ms

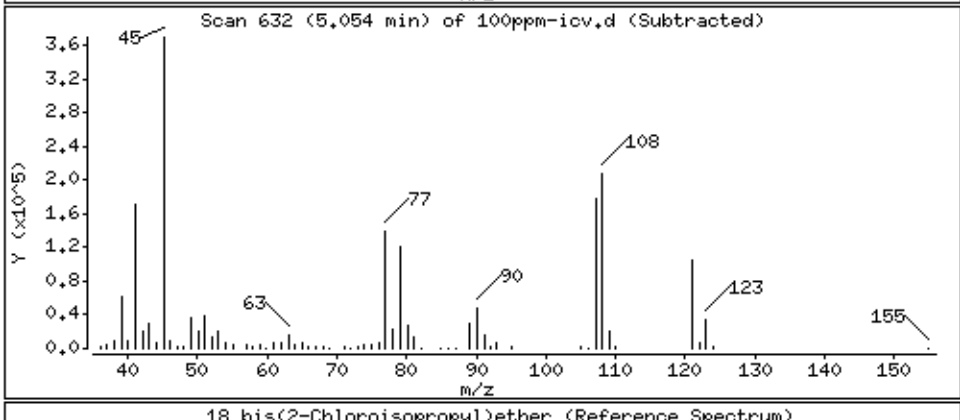
Column diameter: 0.25

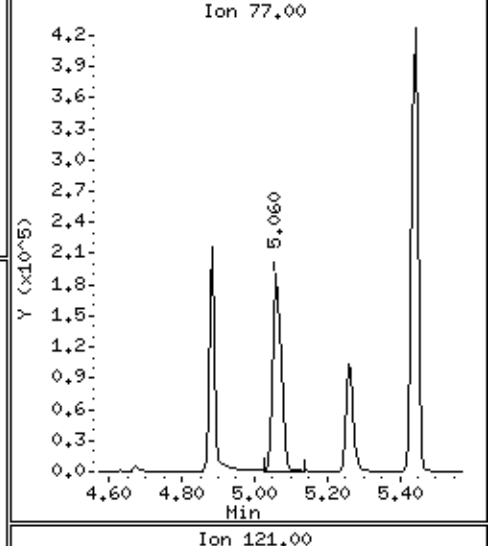
18 bis(2-Chloroisopropyl)ether

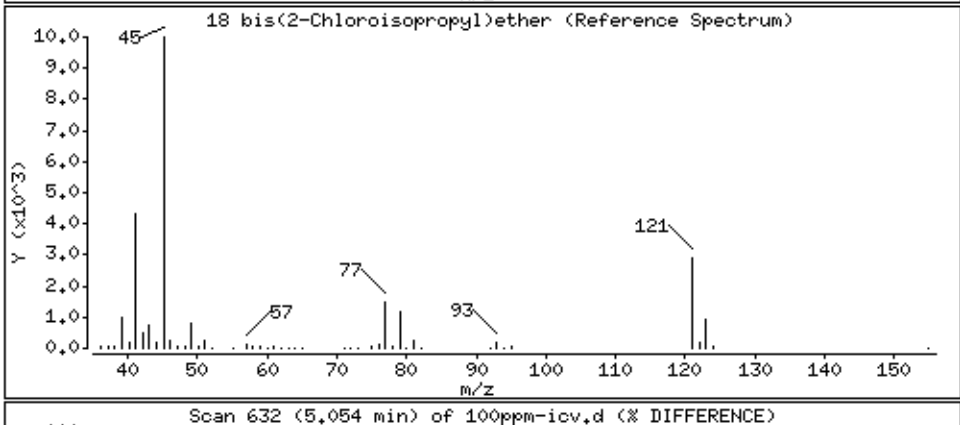
Concentration: 109.7 ug/L

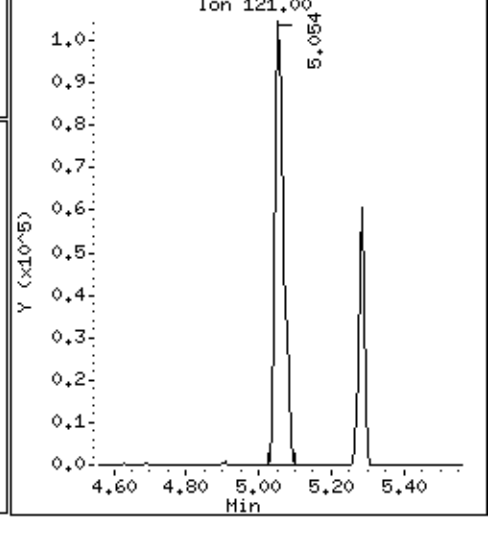


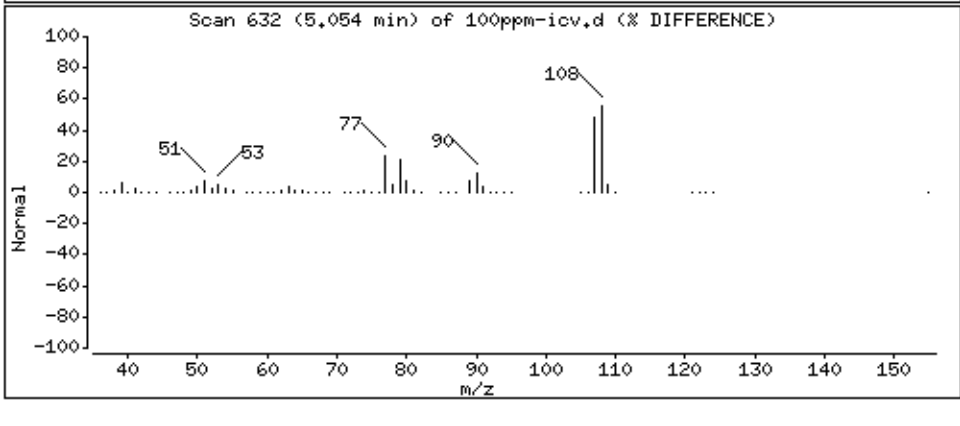












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

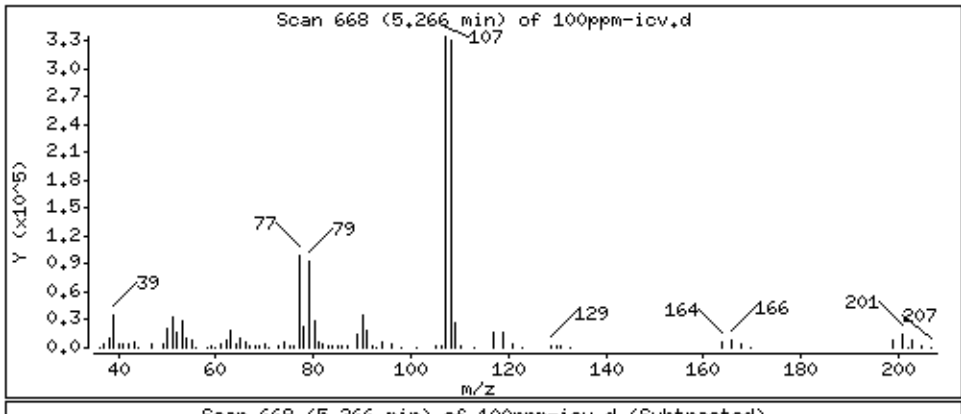
Operator: SN

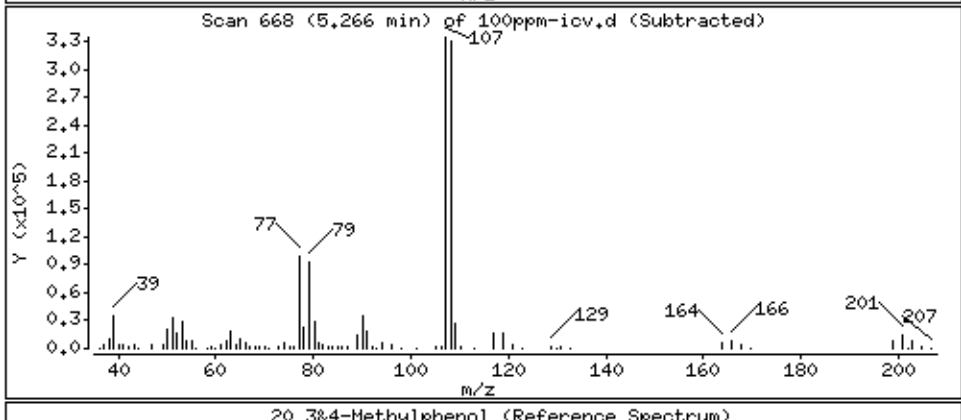
Column phase: .50um DB-5ms

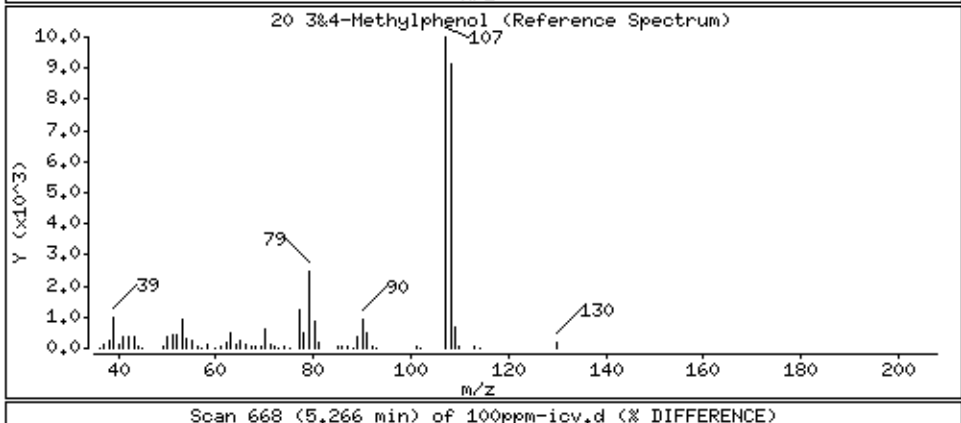
Column diameter: 0.25

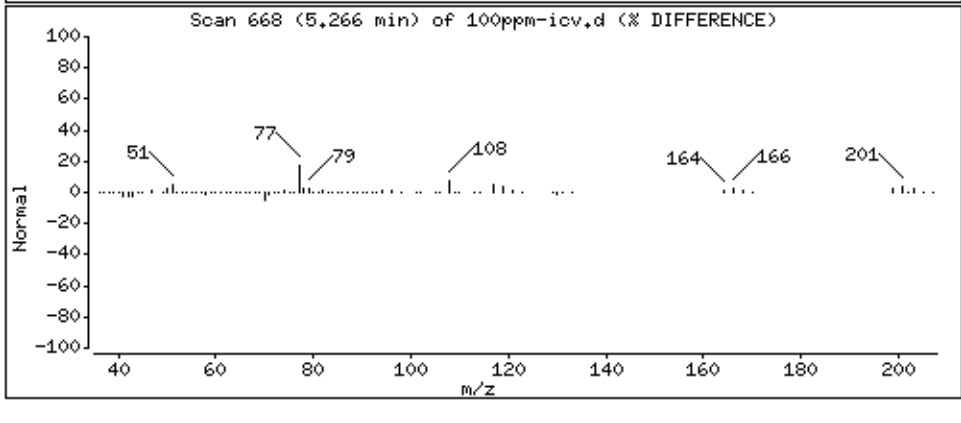
20 3&4-Methylphenol

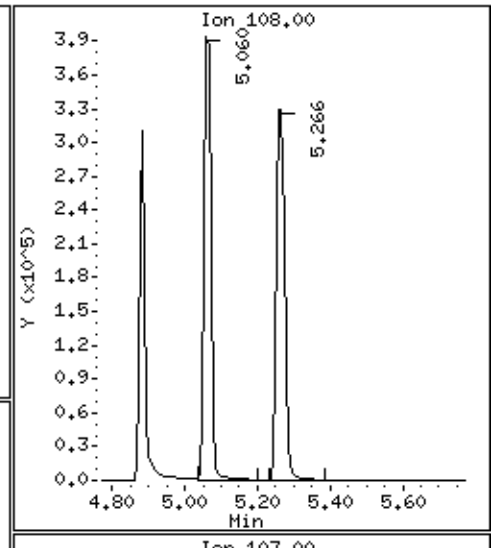
Concentration: 98.92 ug/L

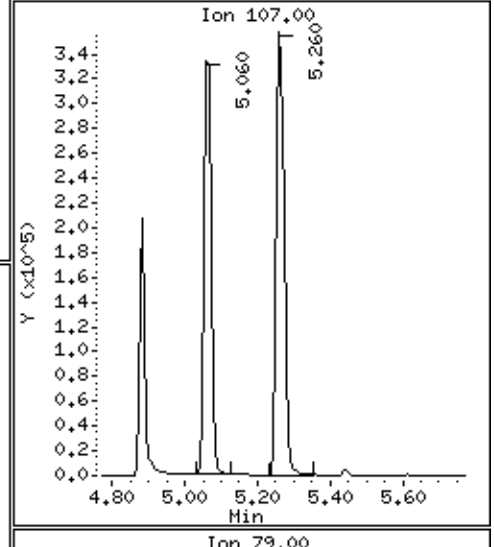


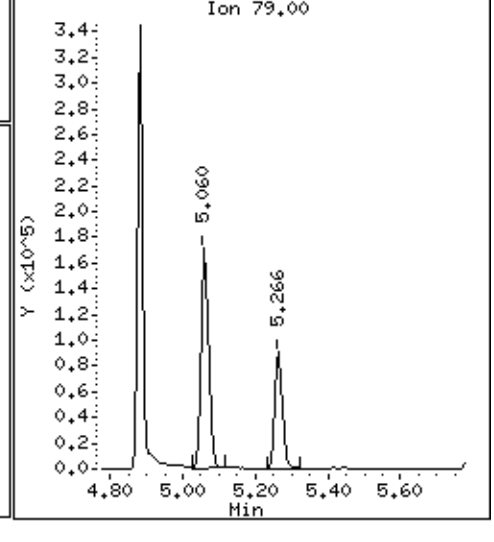












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

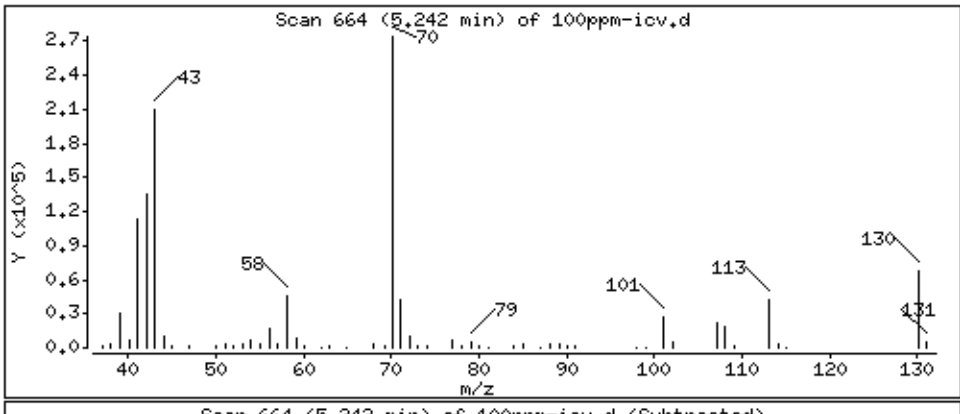
Operator: SN

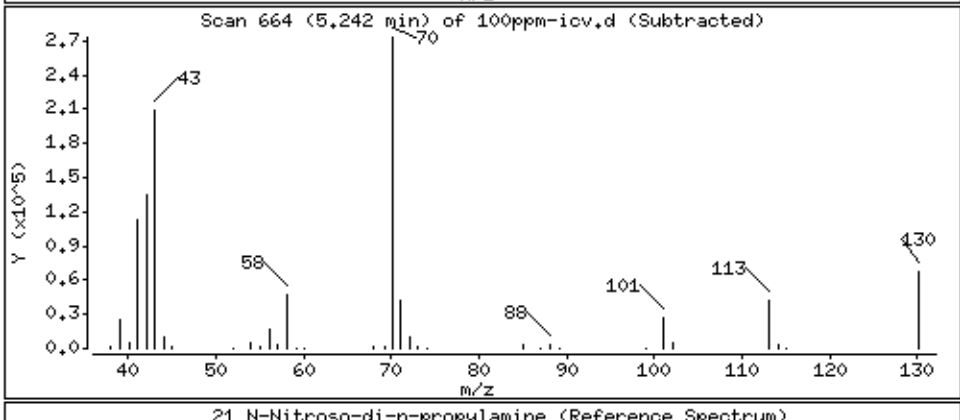
Column phase: .50um DB-5ms

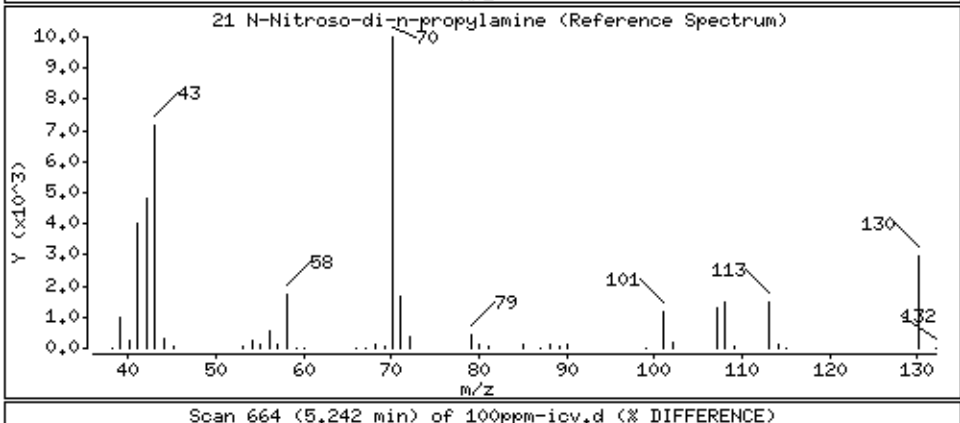
Column diameter: 0.25

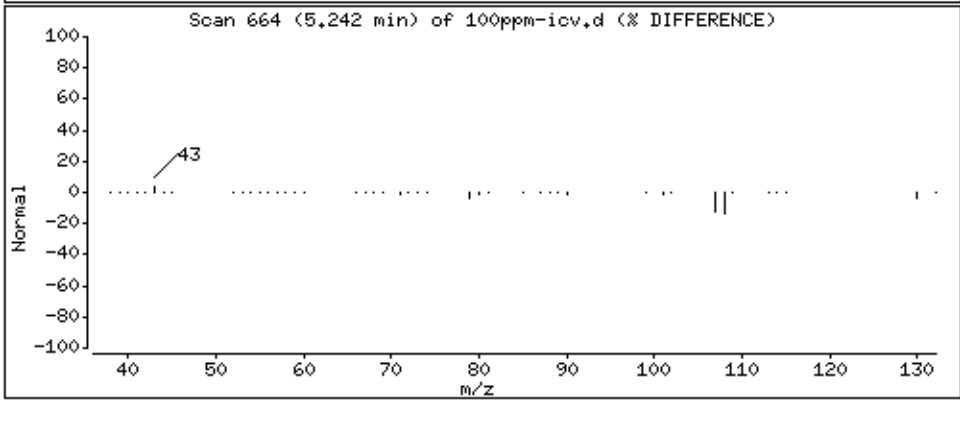
21 N-Nitroso-di-n-propylamine

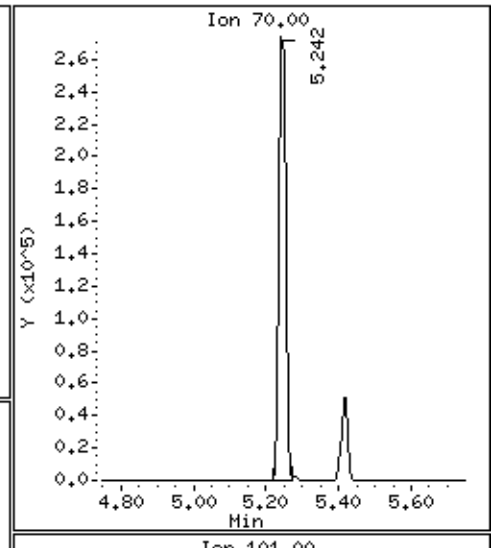
Concentration: 98.69 ug/L

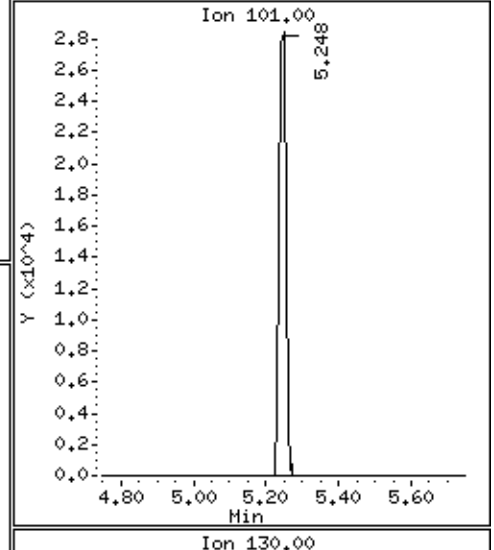


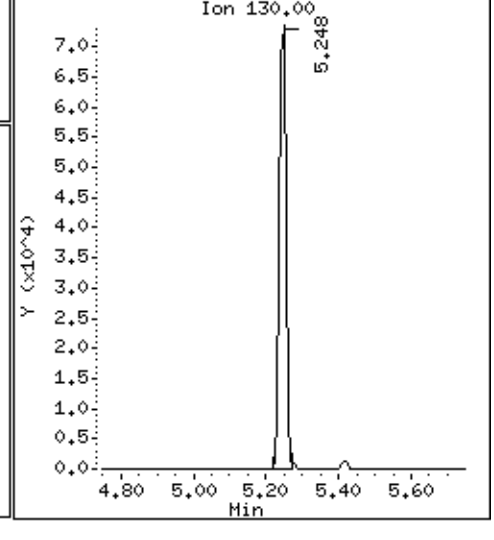












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

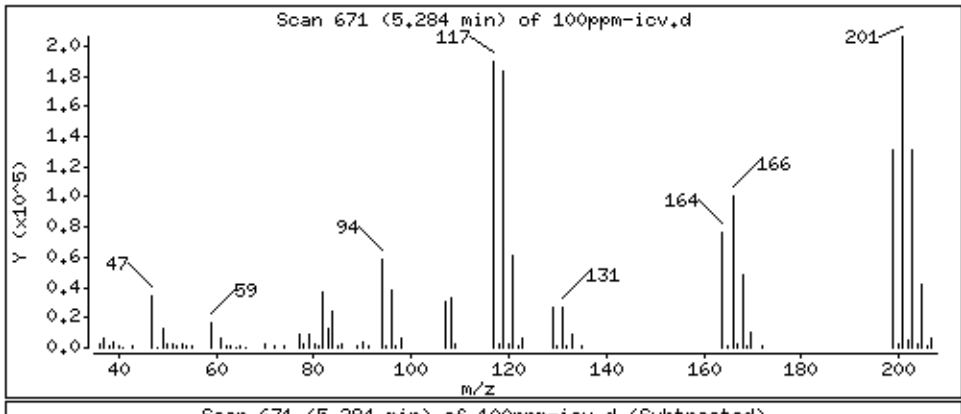
Operator: SN

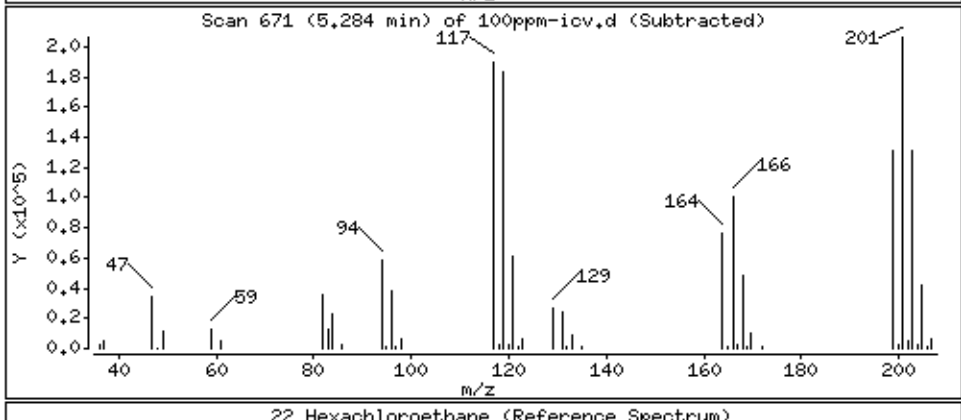
Column phase: .50um DB-5ms

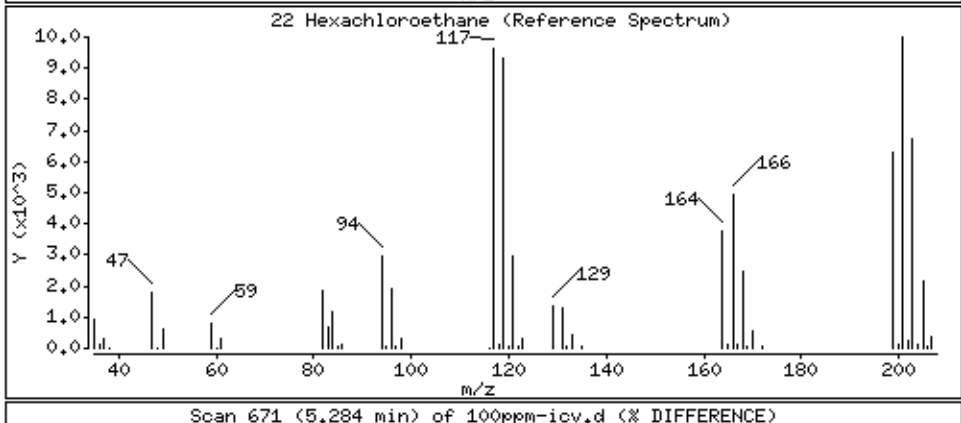
Column diameter: 0.25

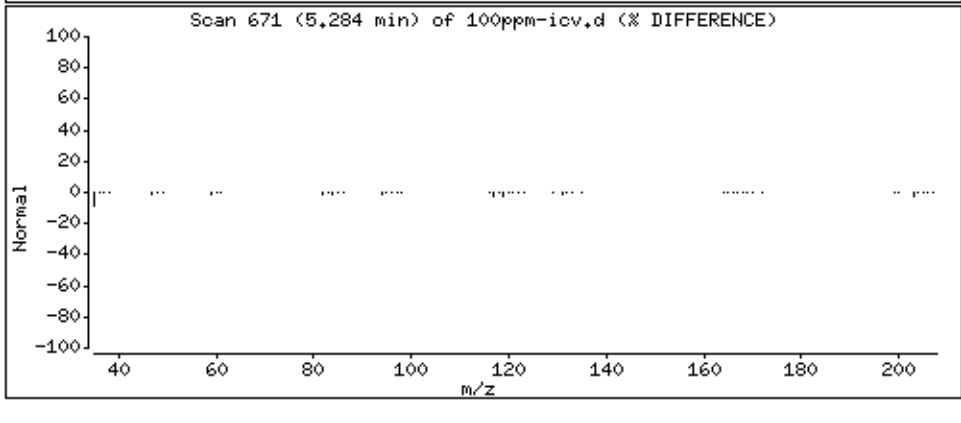
22 Hexachloroethane

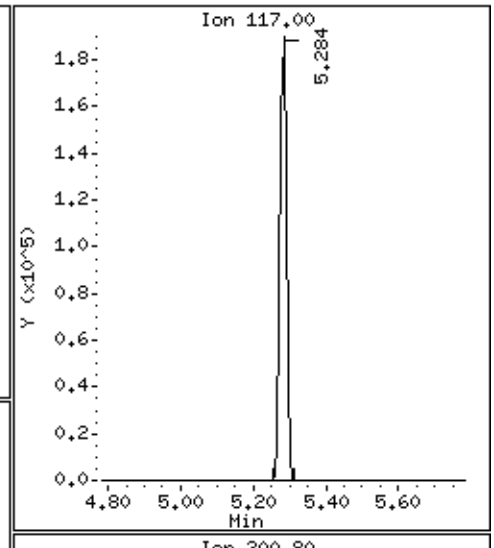
Concentration: 98.93 ug/L

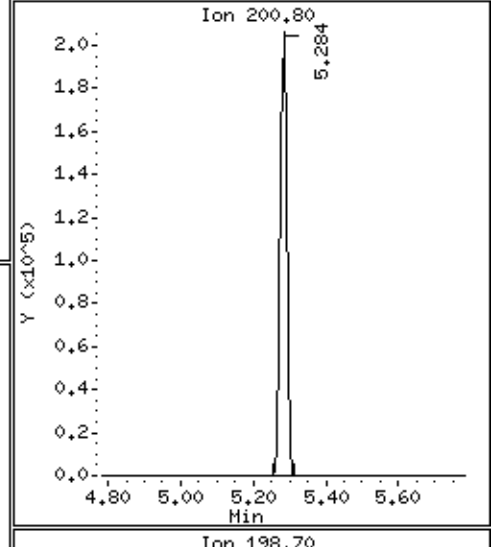


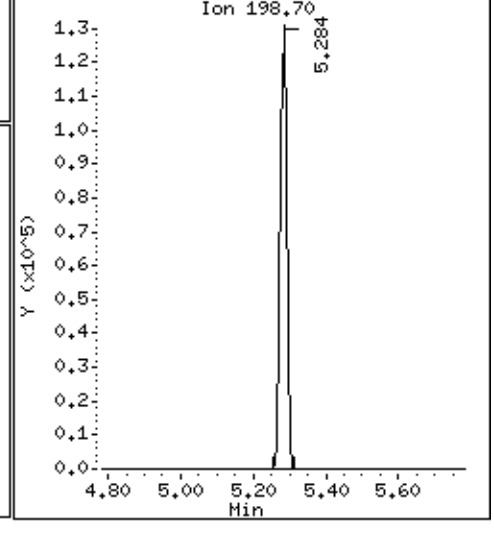












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

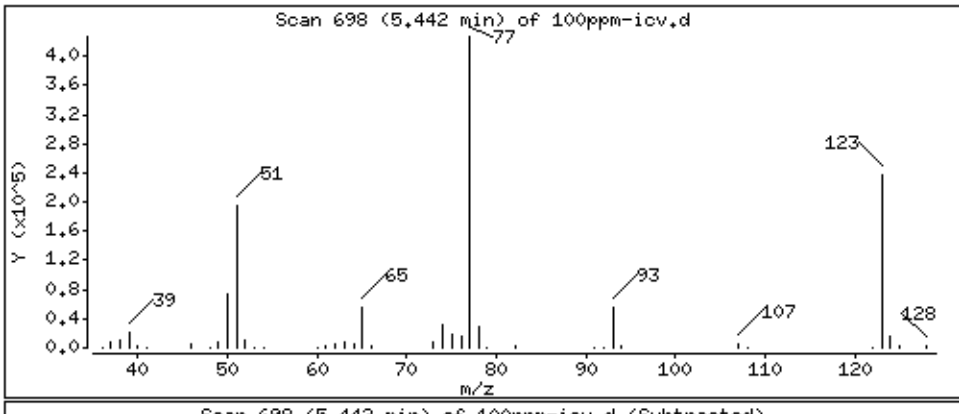
Operator: SN

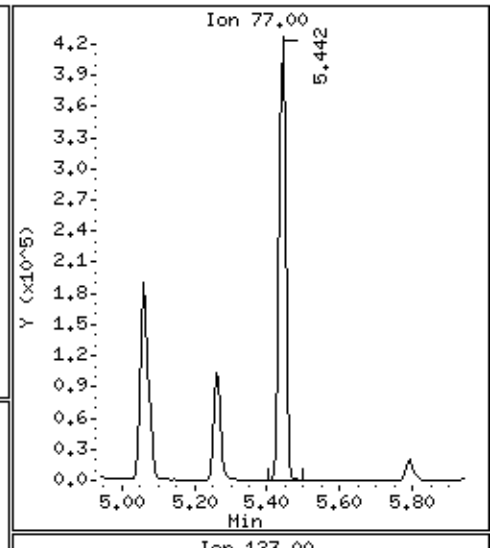
Column phase: .50um DB-5ms

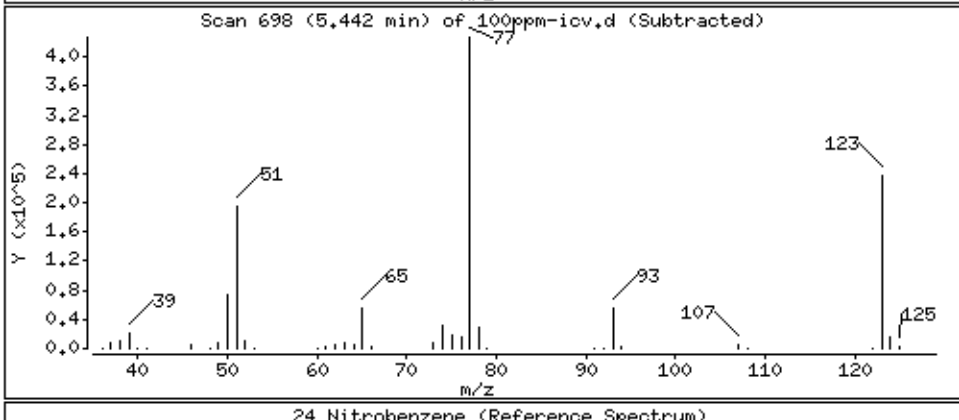
Column diameter: 0.25

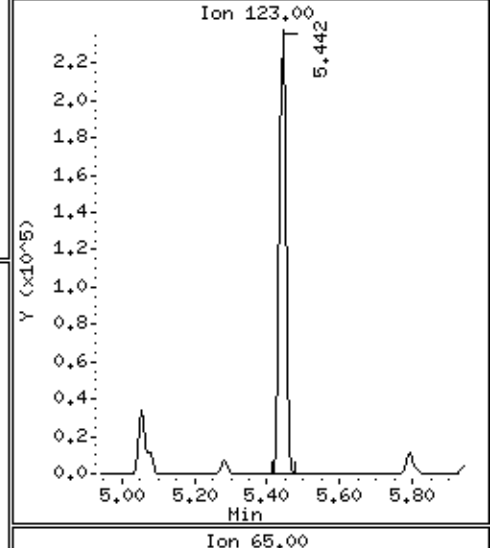
24 Nitrobenzene

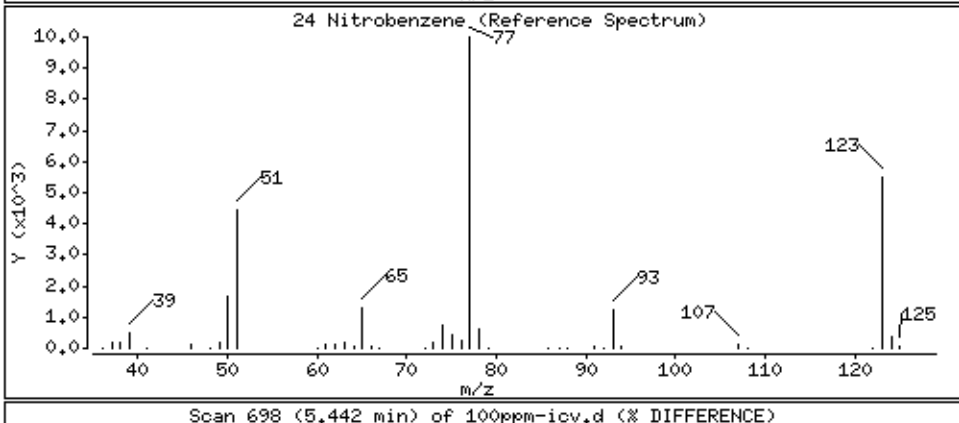
Concentration: 100.4 ug/L

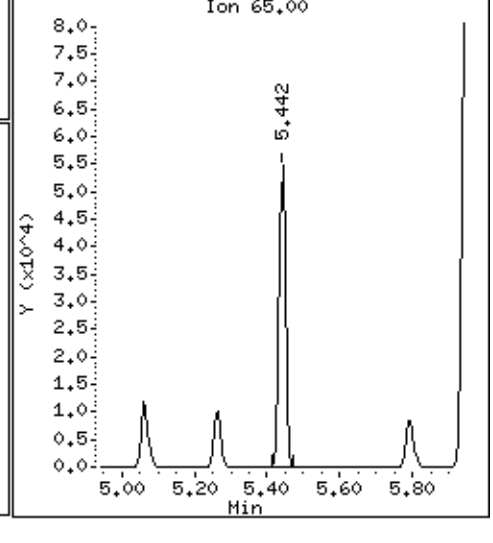


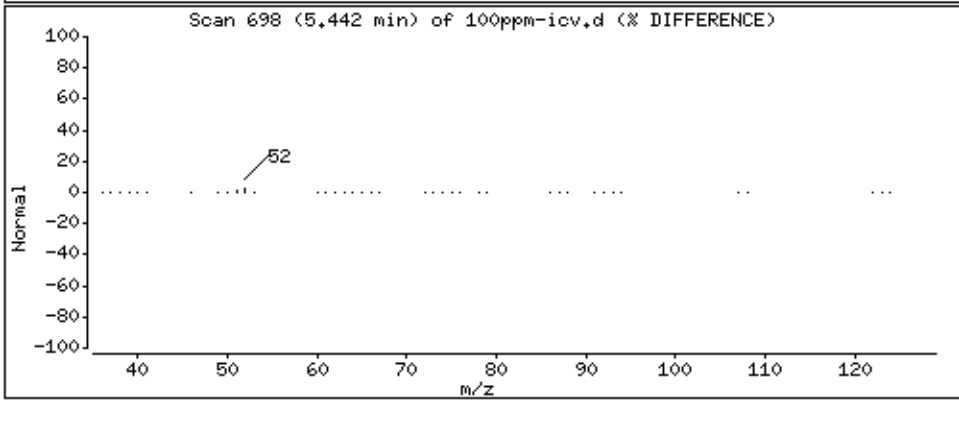












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

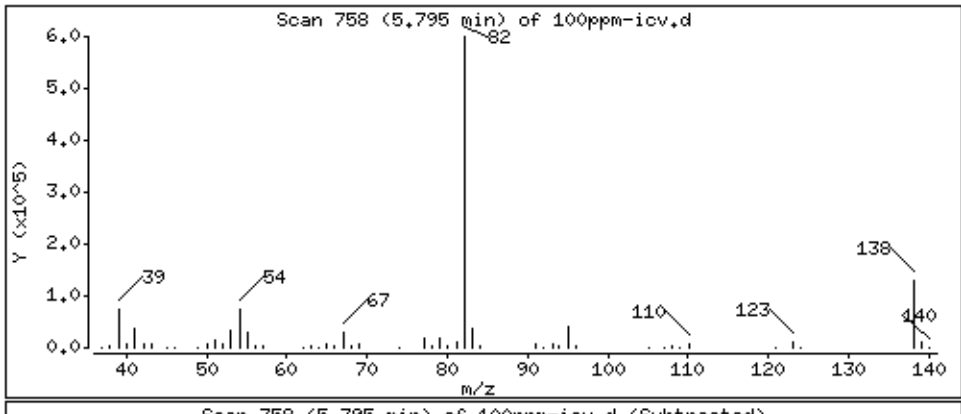
Operator: SN

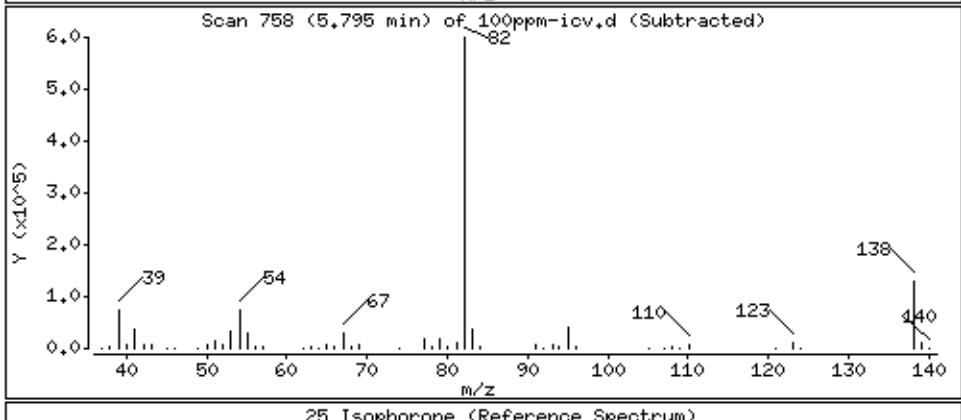
Column phase: .50um DB-5ms

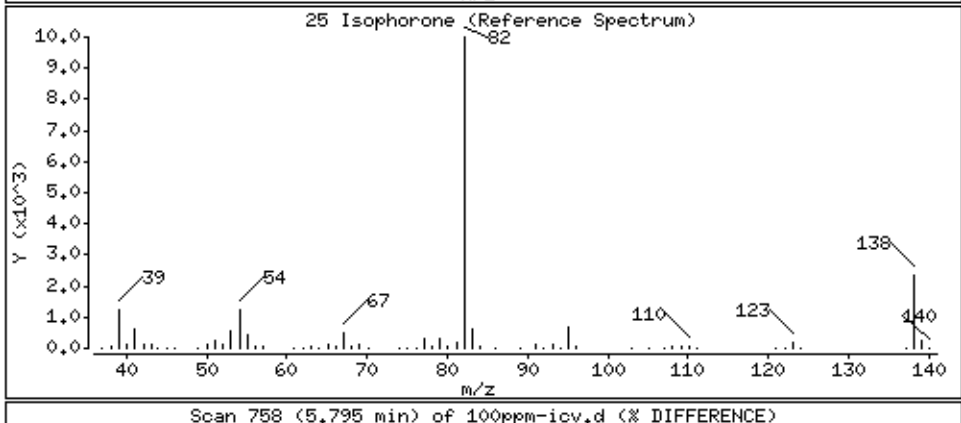
Column diameter: 0.25

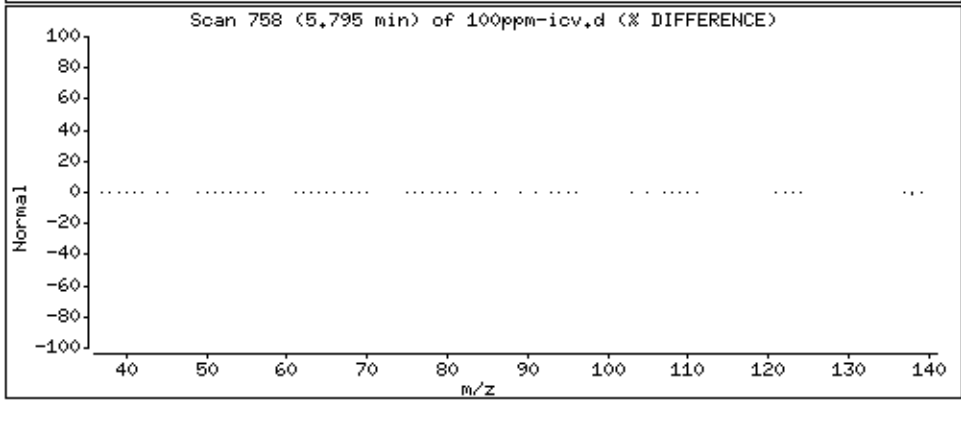
25 Isophorone

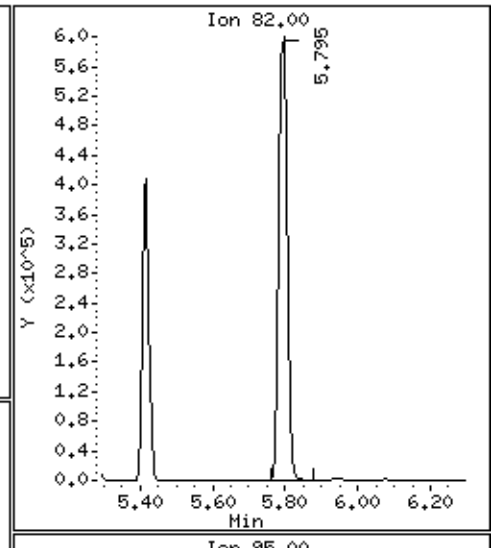
Concentration: 97.96 ug/L

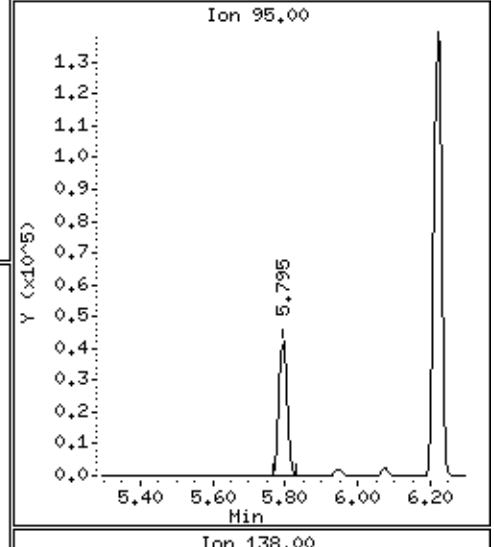


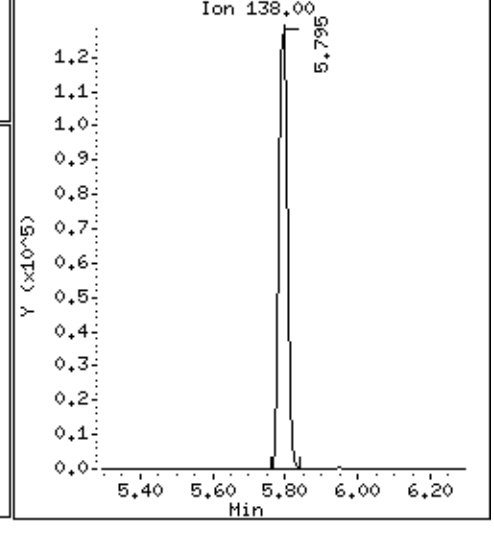












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

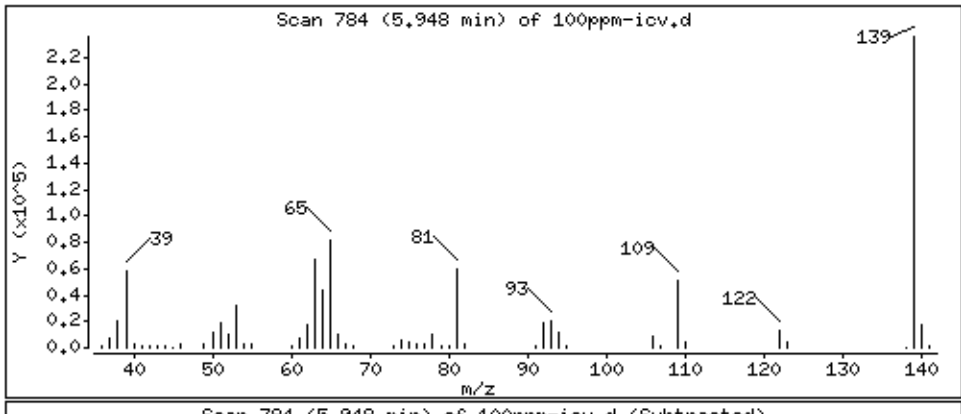
Operator: SN

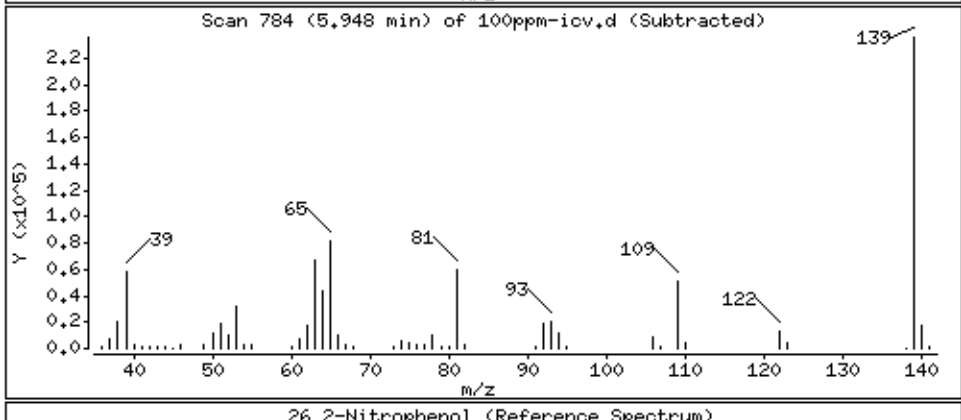
Column phase: .50um DB-5ms

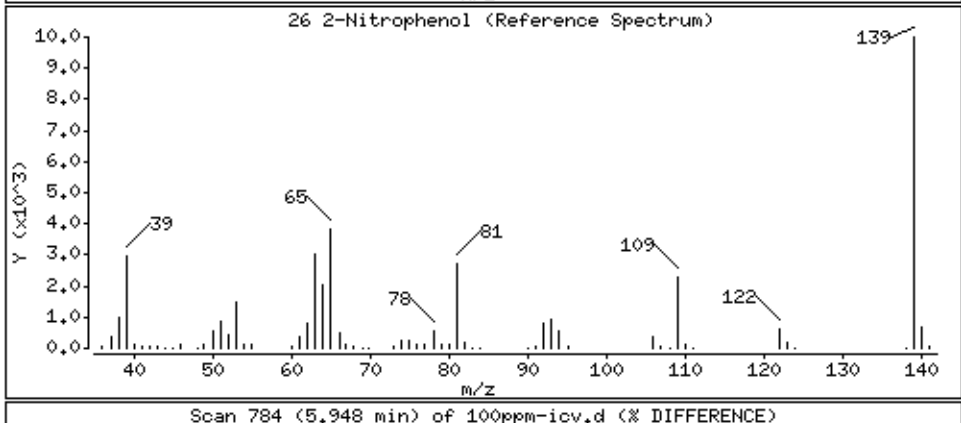
Column diameter: 0.25

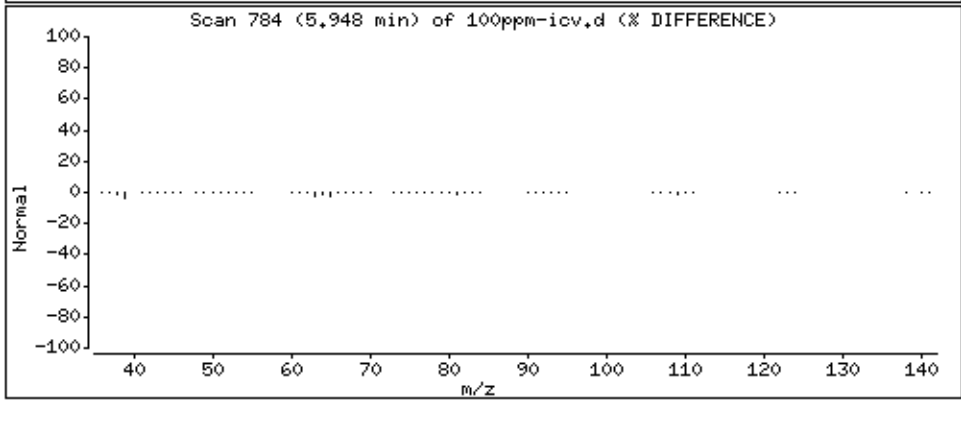
26 2-Nitrophenol

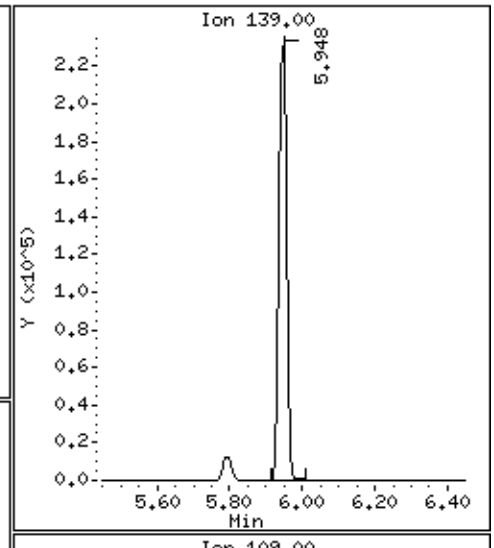
Concentration: 100.5 ug/L

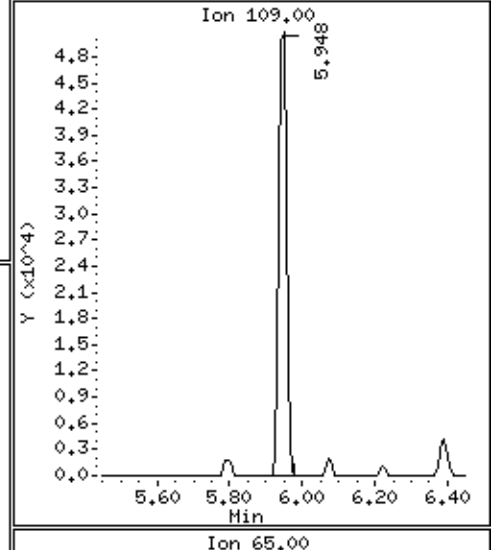


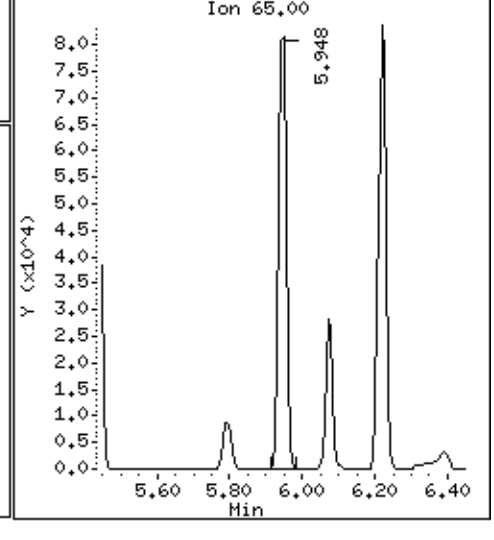












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

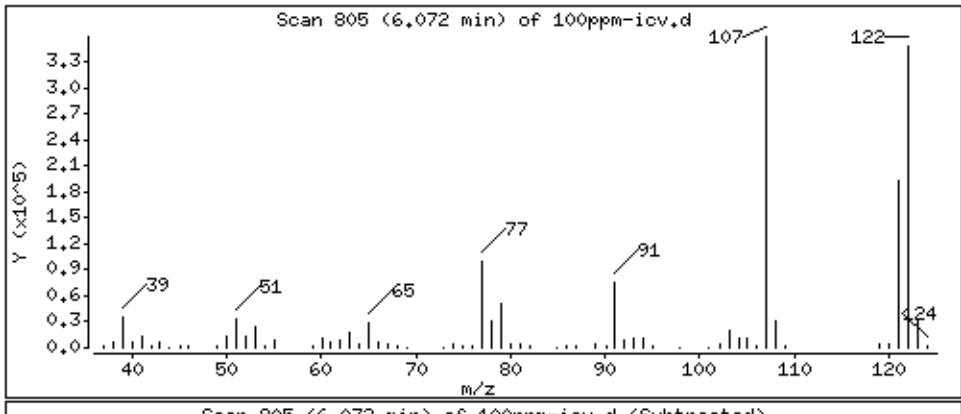
Operator: SN

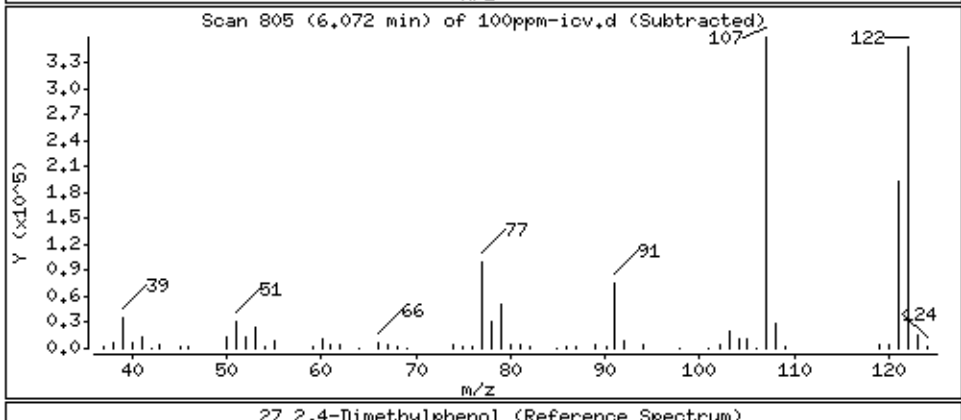
Column phase: .50um DB-5ms

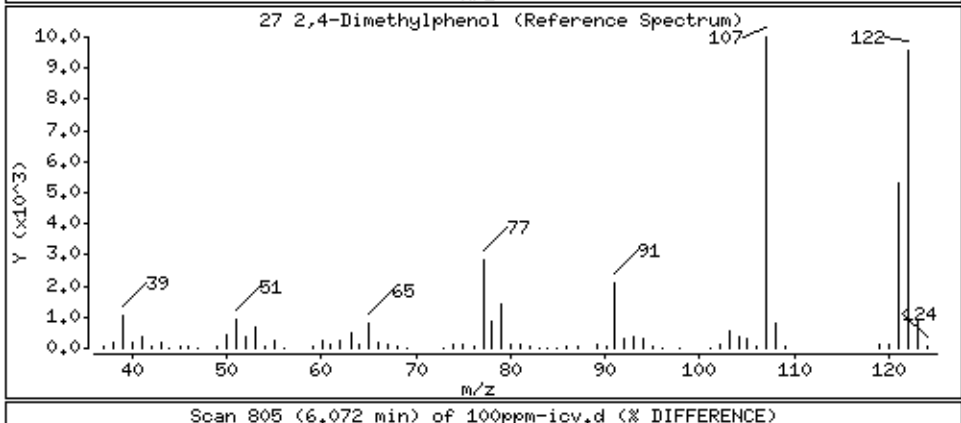
Column diameter: 0.25

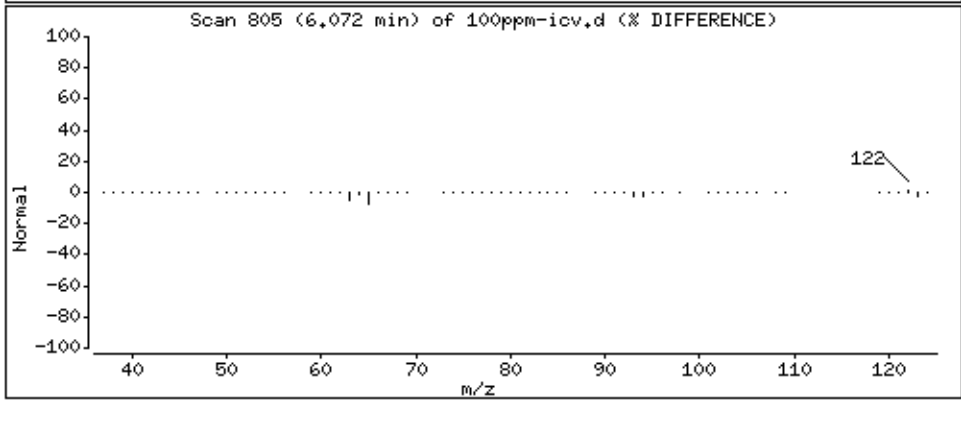
27 2,4-Dimethylphenol

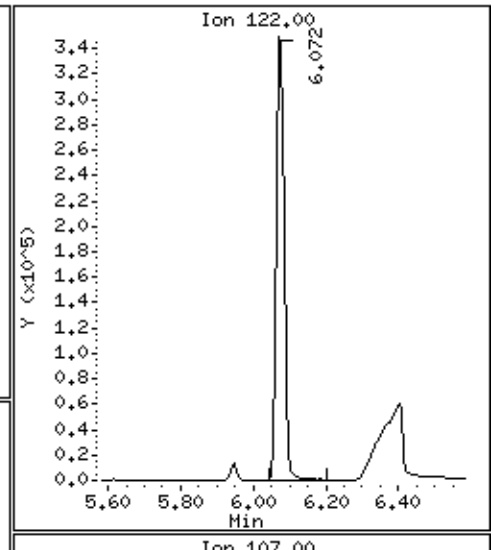
Concentration: 100.6 ug/L

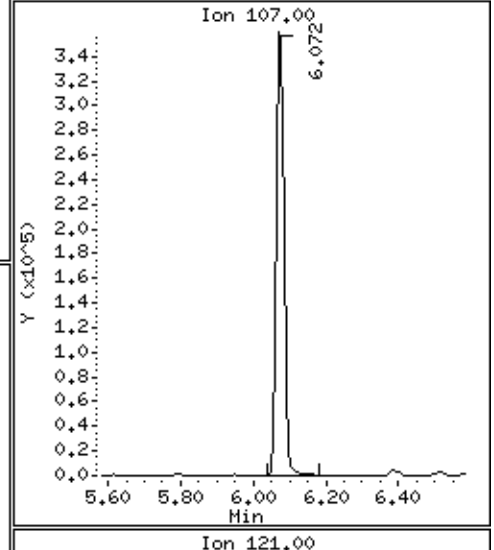


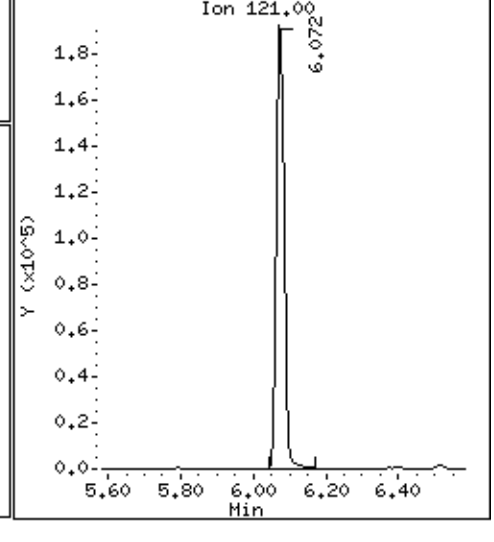












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

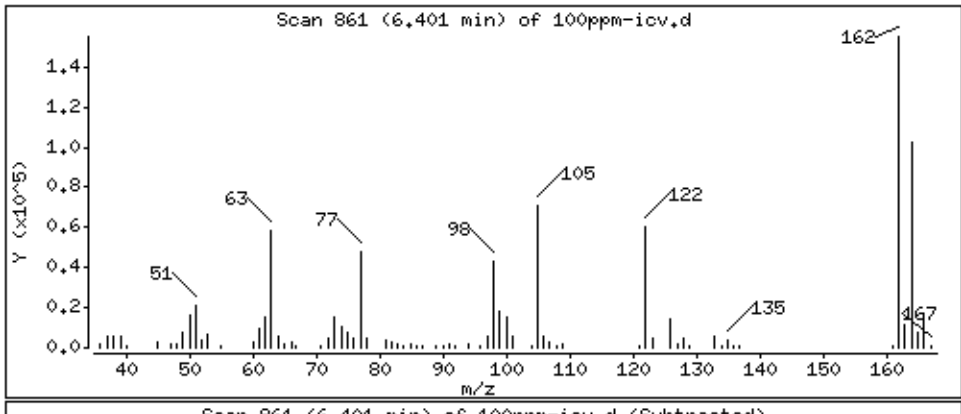
Operator: SN

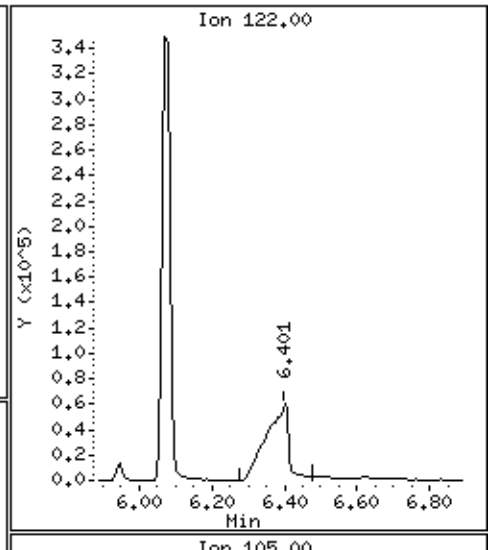
Column phase: .50um DB-5ms

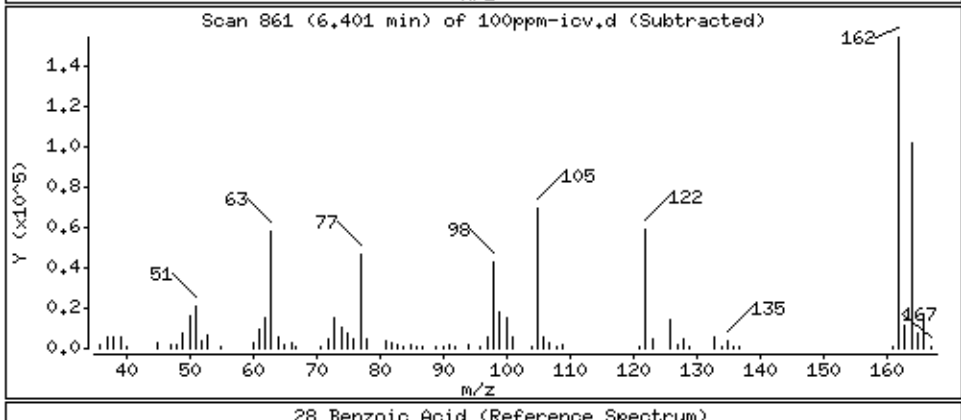
Column diameter: 0.25

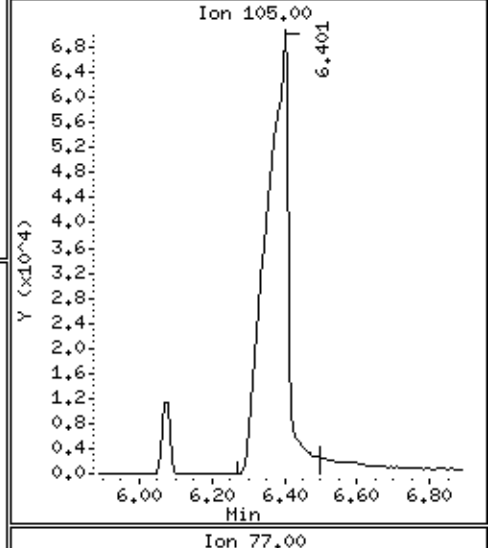
28 Benzoic Acid

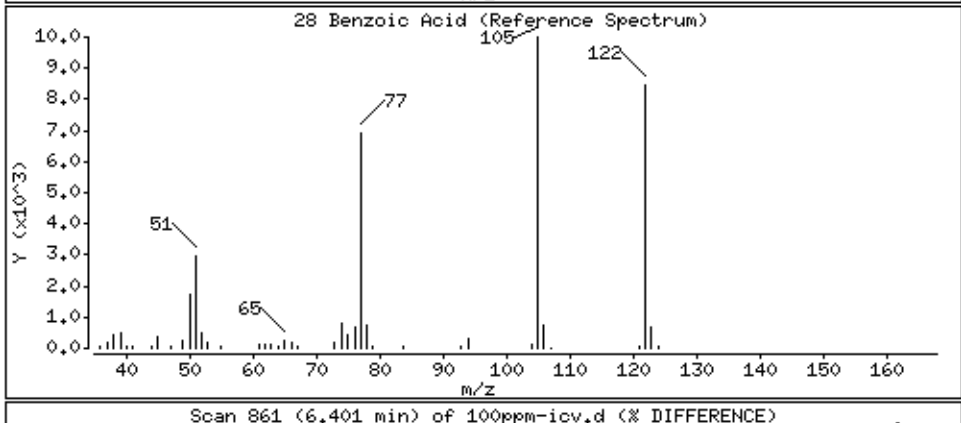
Concentration: 142.2 ug/L

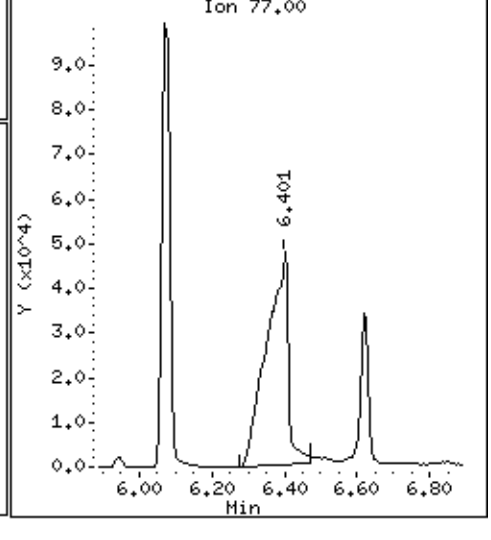


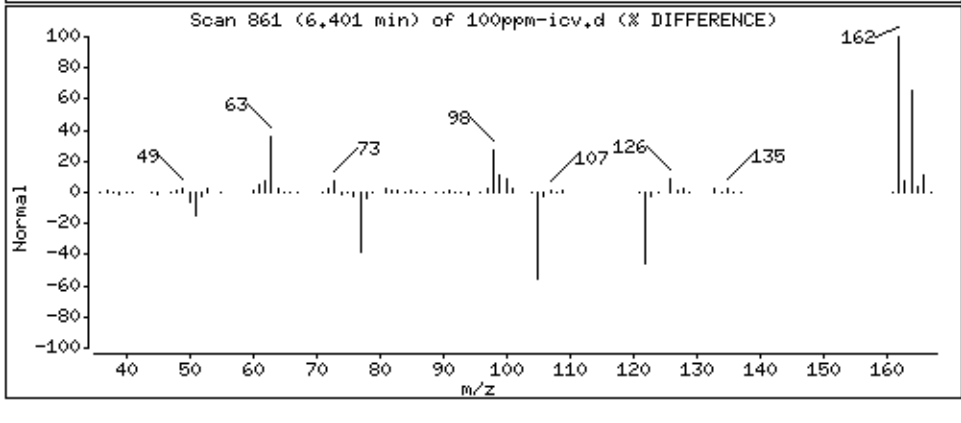












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

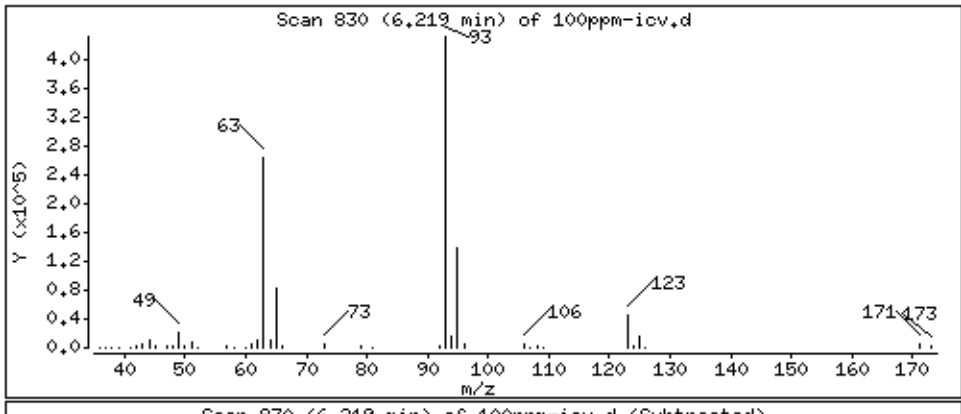
Operator: SN

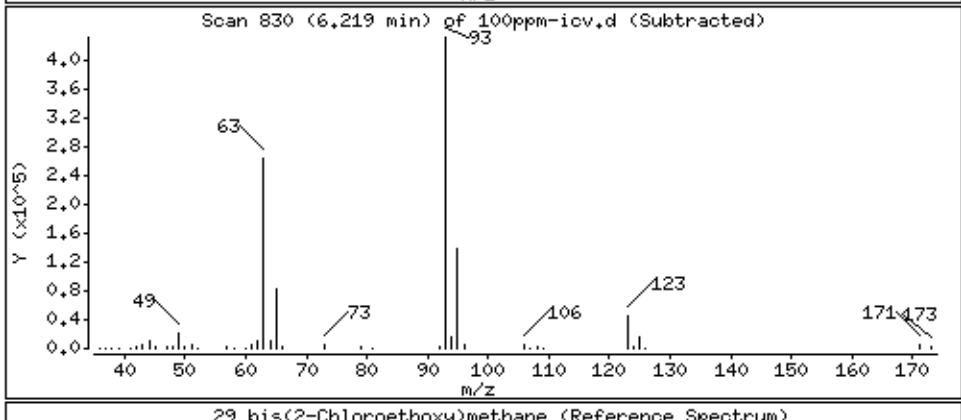
Column phase: .50um DB-5ms

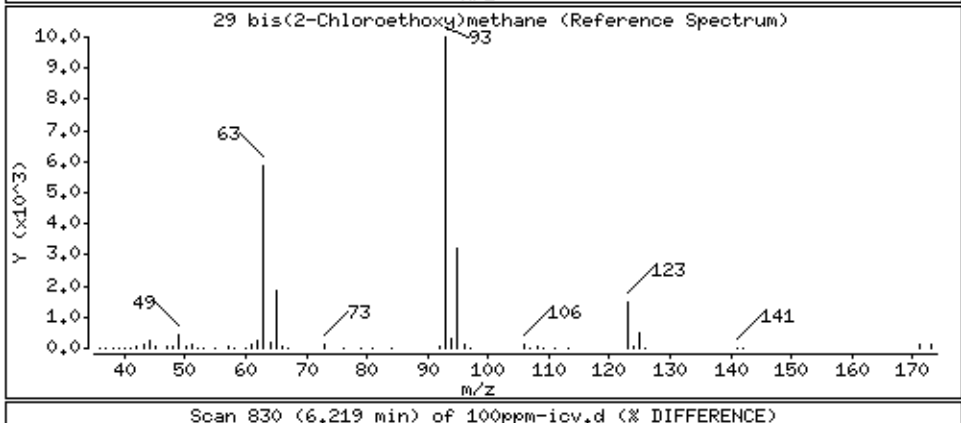
Column diameter: 0.25

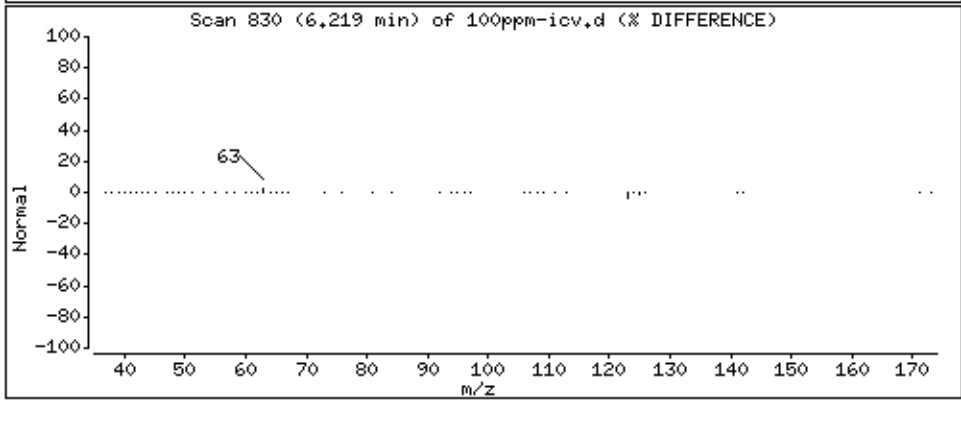
29 bis(2-Chloroethoxy)methane

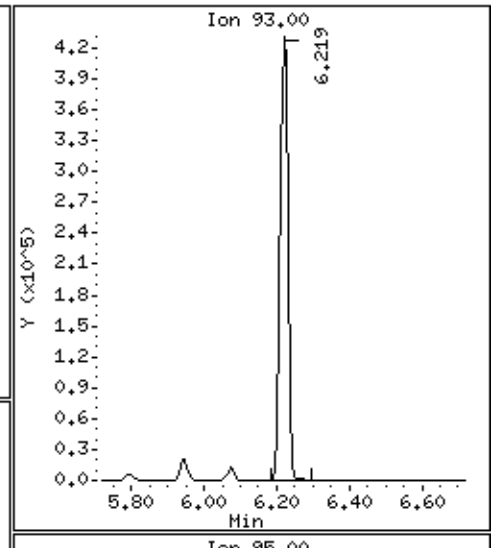
Concentration: 102.5 ug/L

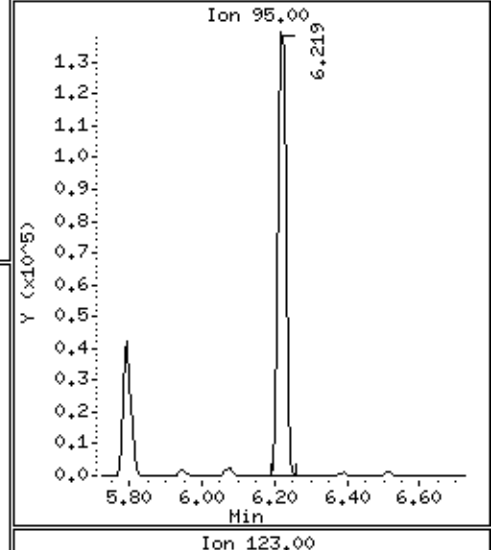


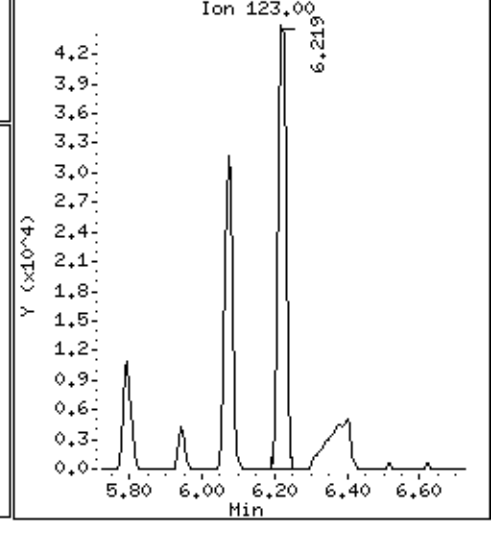












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

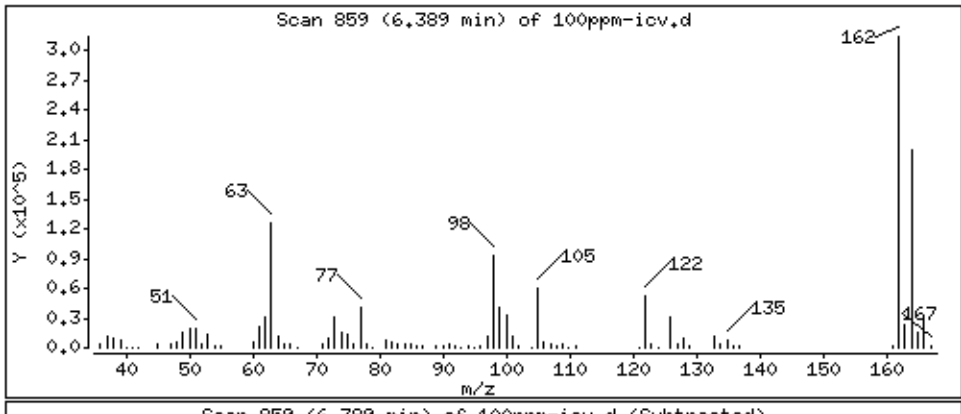
Operator: SN

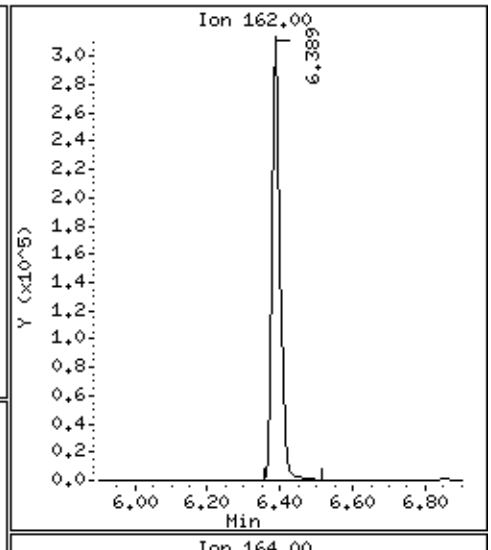
Column phase: .50um DB-5ms

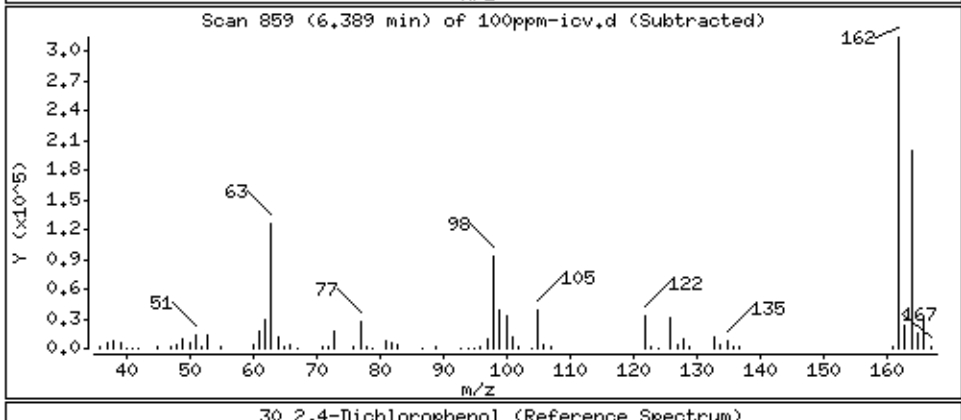
Column diameter: 0.25

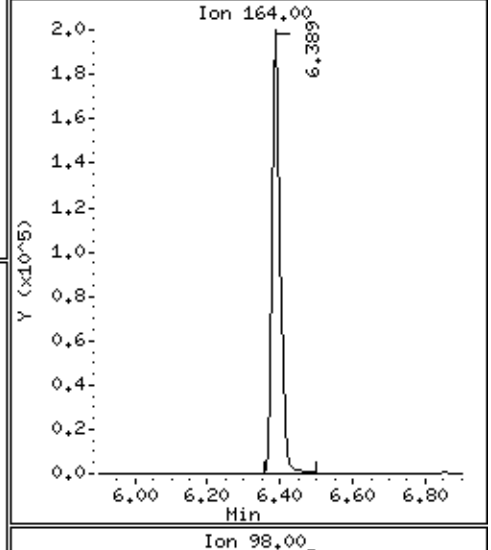
30 2,4-Dichlorophenol

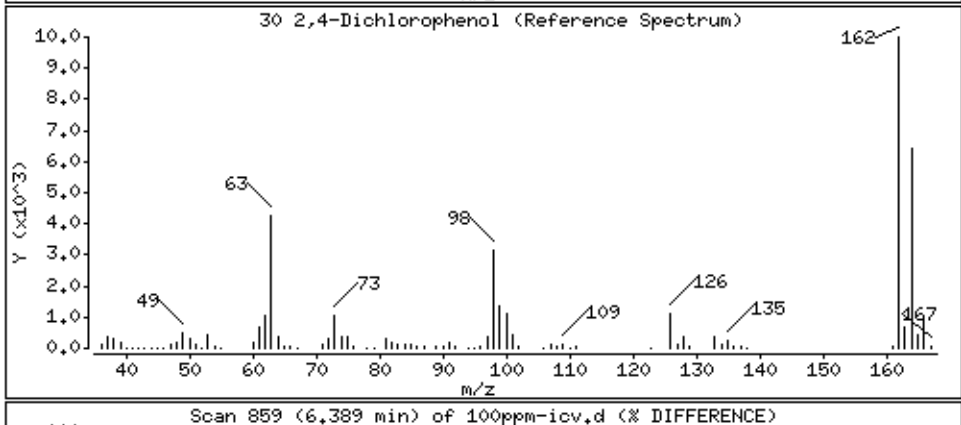
Concentration: 99.48 ug/L

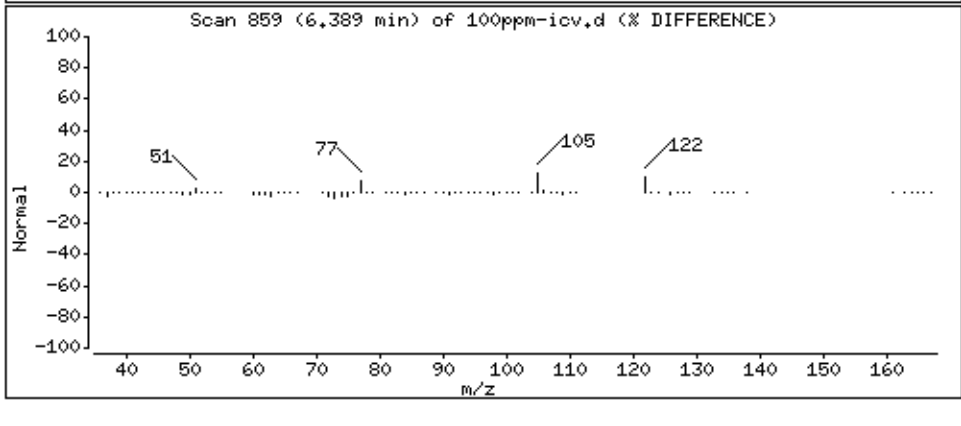


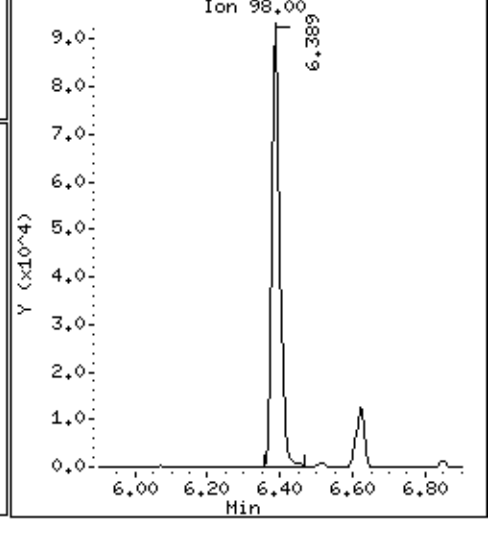












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

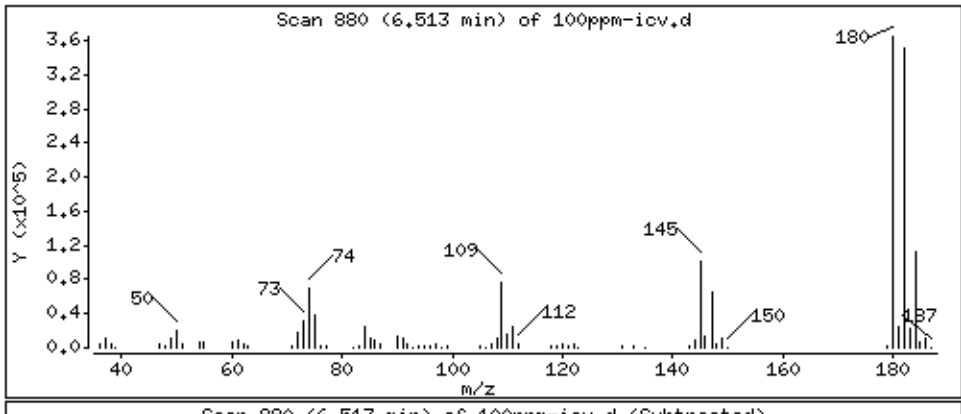
Operator: SN

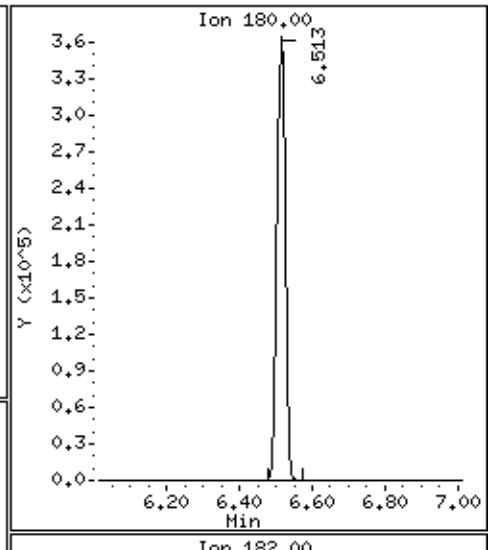
Column phase: .50um DB-5ms

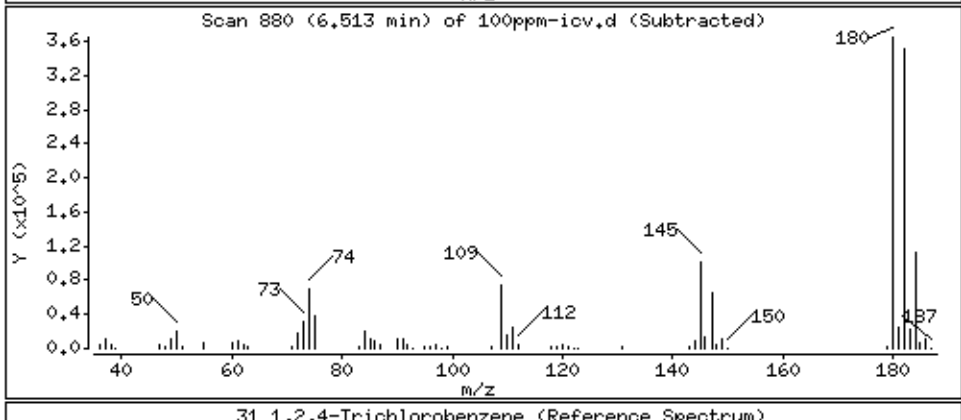
Column diameter: 0.25

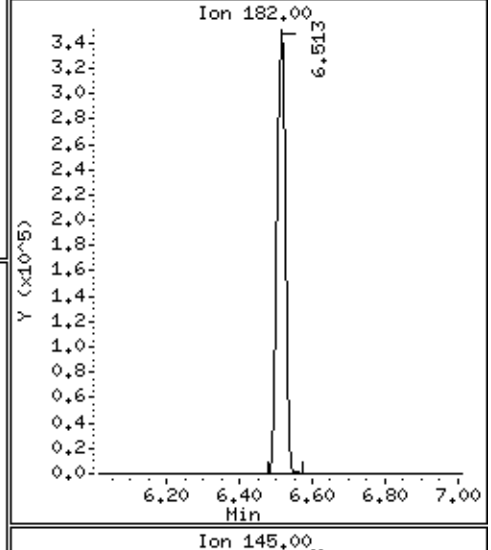
31 1,2,4-Trichlorobenzene

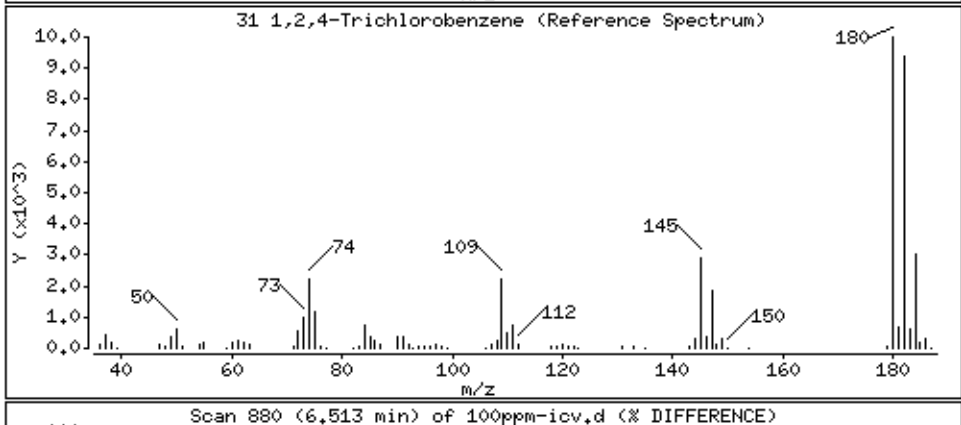
Concentration: 100.3 ug/L

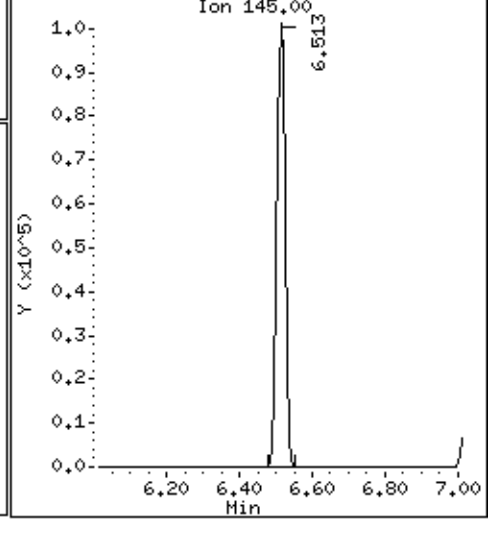


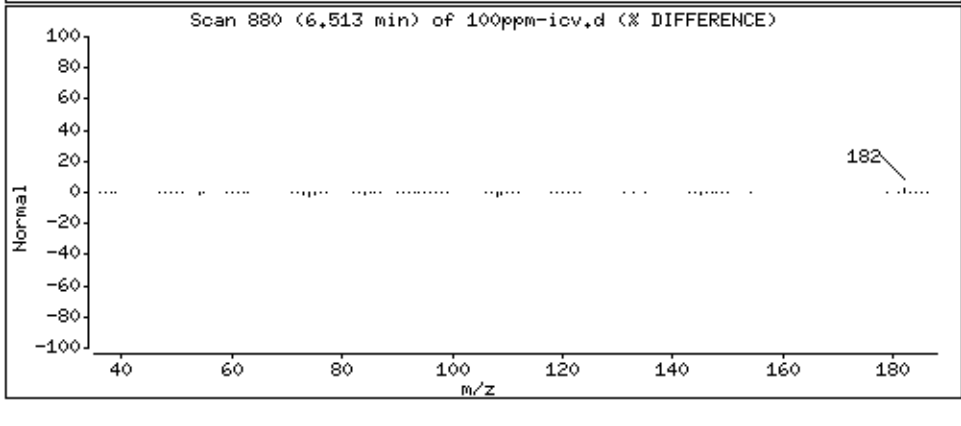












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

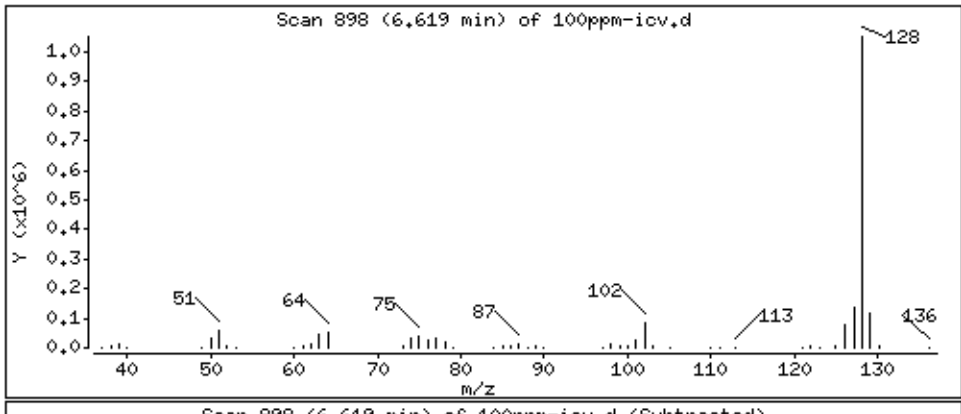
Operator: SN

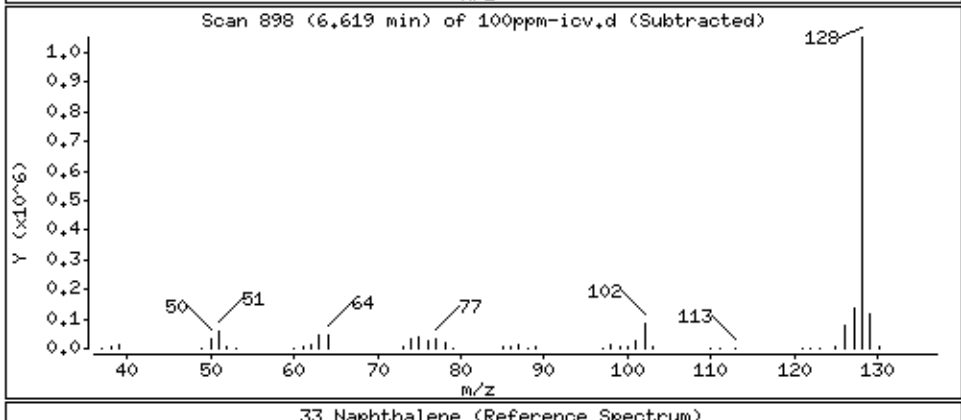
Column phase: .50um DB-5ms

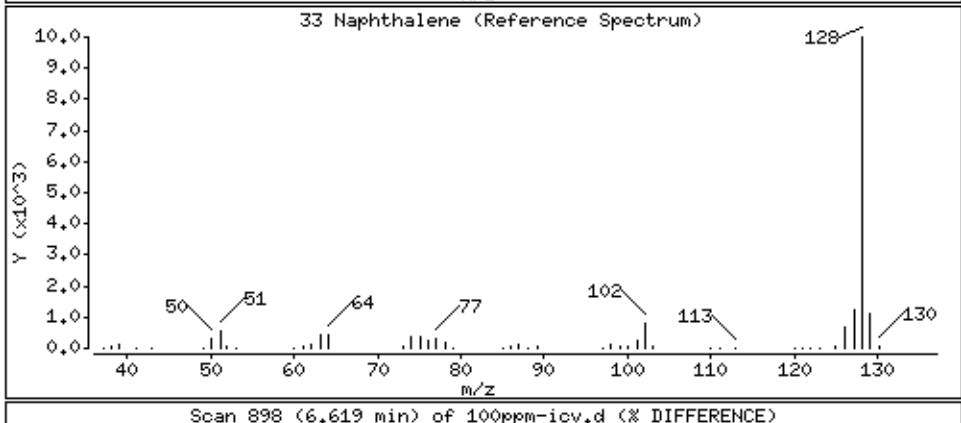
Column diameter: 0.25

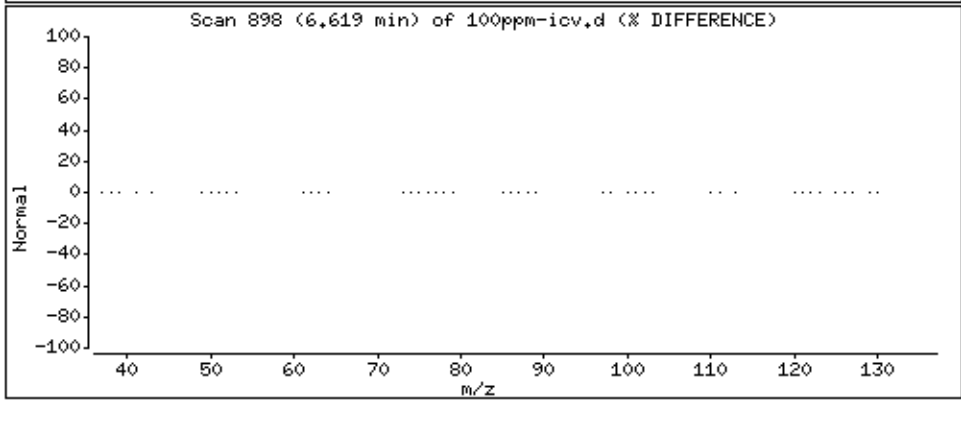
33 Naphthalene

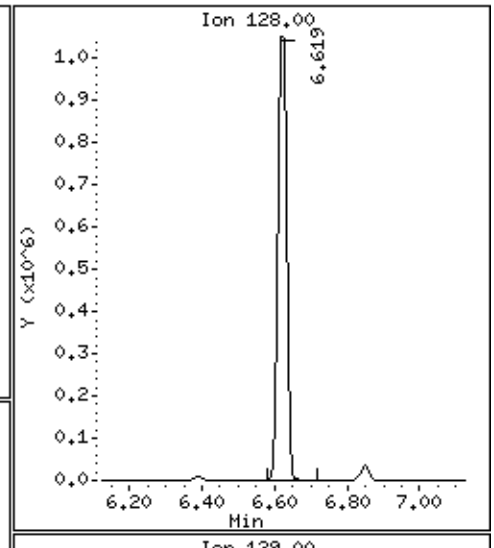
Concentration: 97.38 ug/L

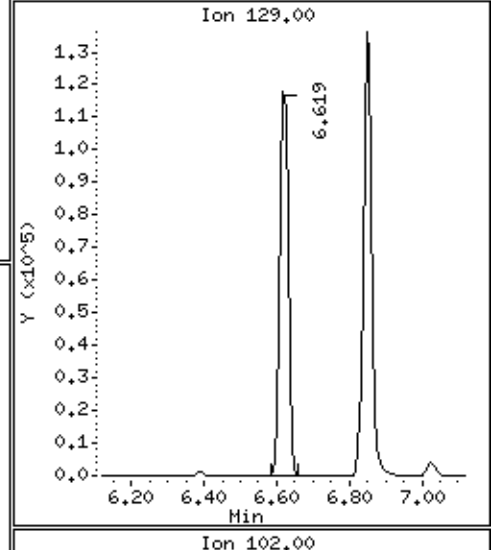


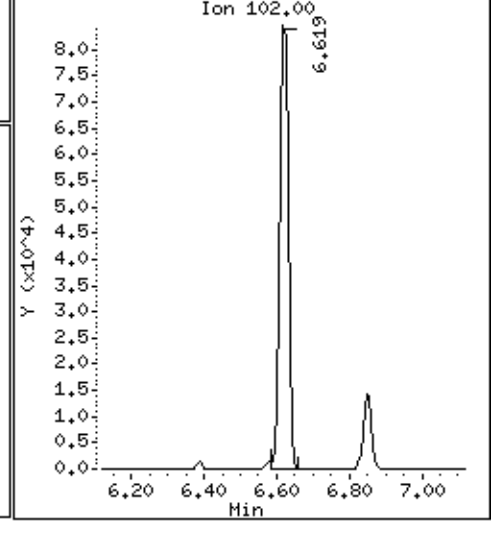












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

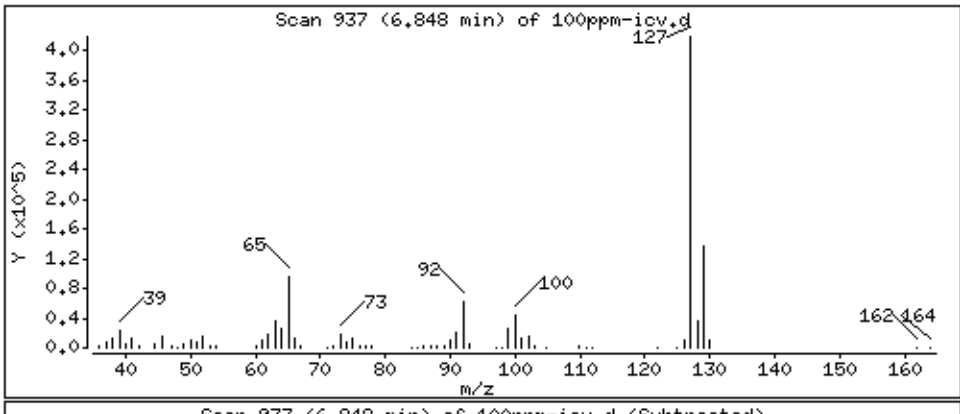
Operator: SN

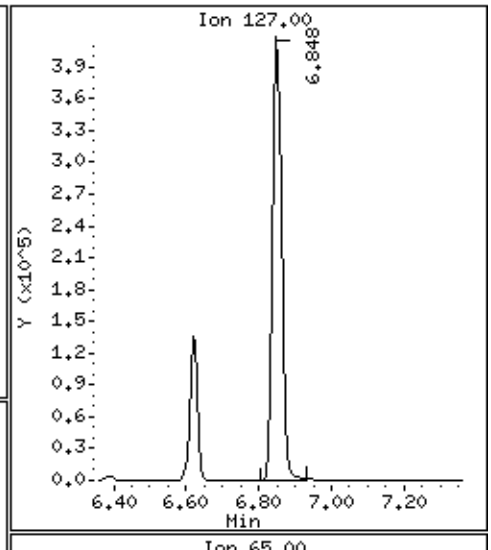
Column phase: .50um DB-5ms

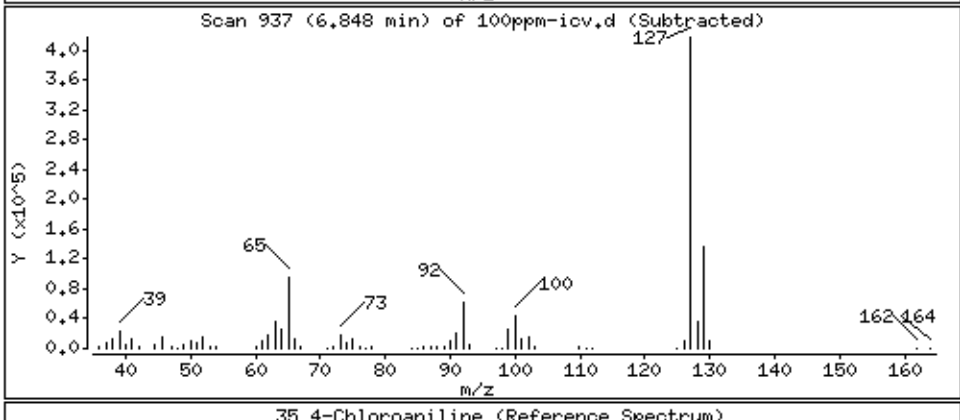
Column diameter: 0.25

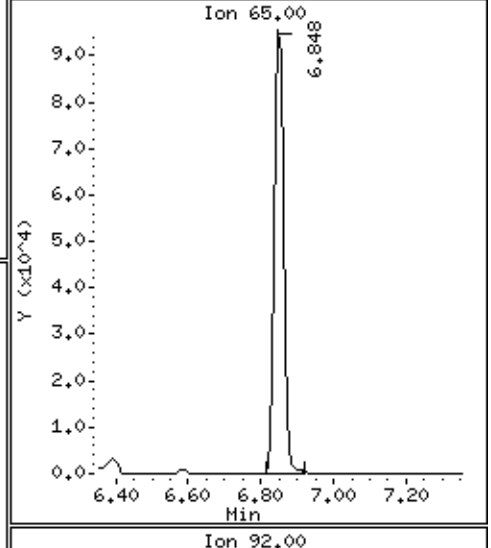
35 4-Chloroaniline

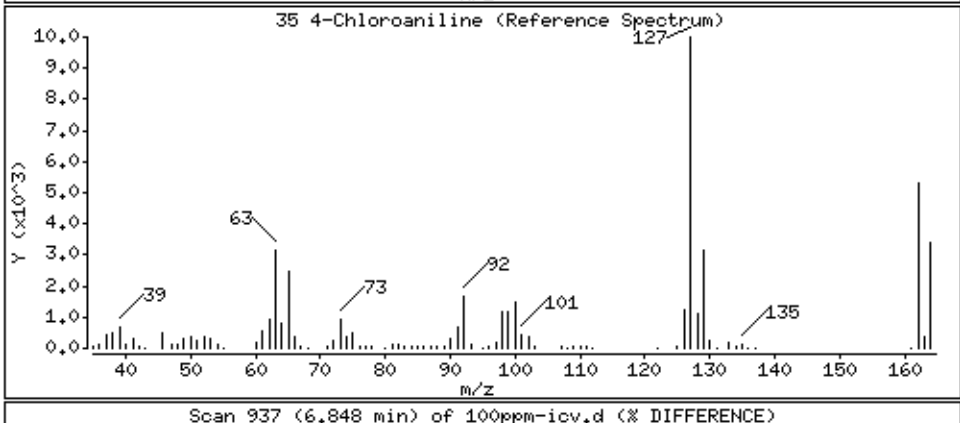
Concentration: 107.4 ug/L

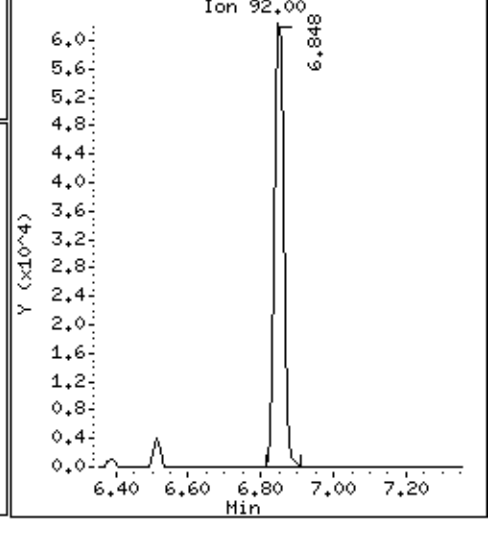


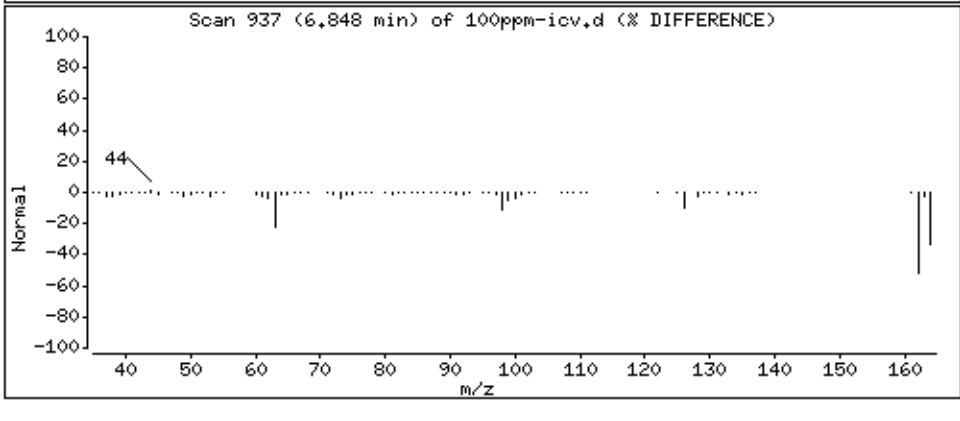












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

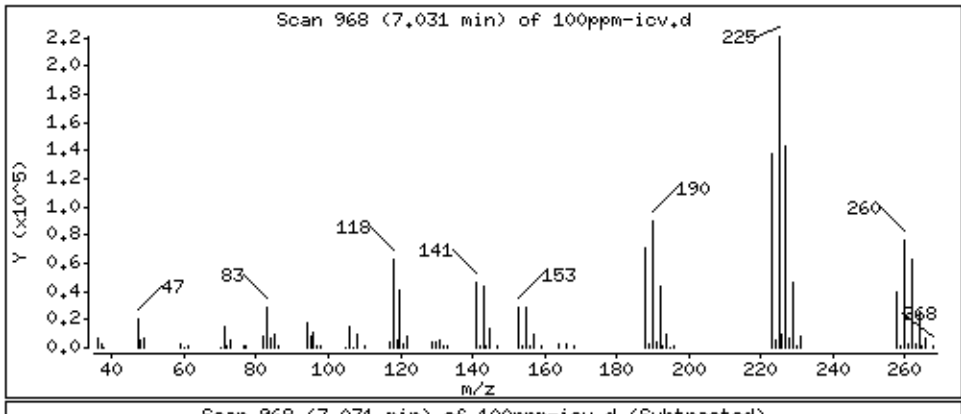
Operator: SN

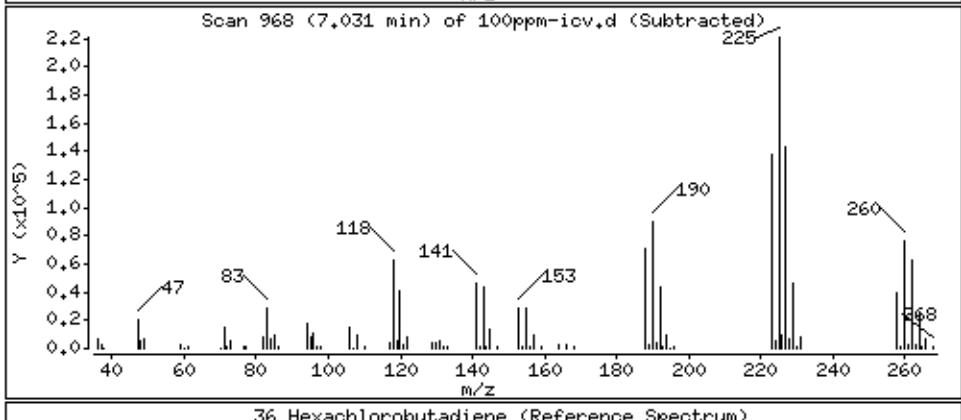
Column phase: .50um DB-5ms

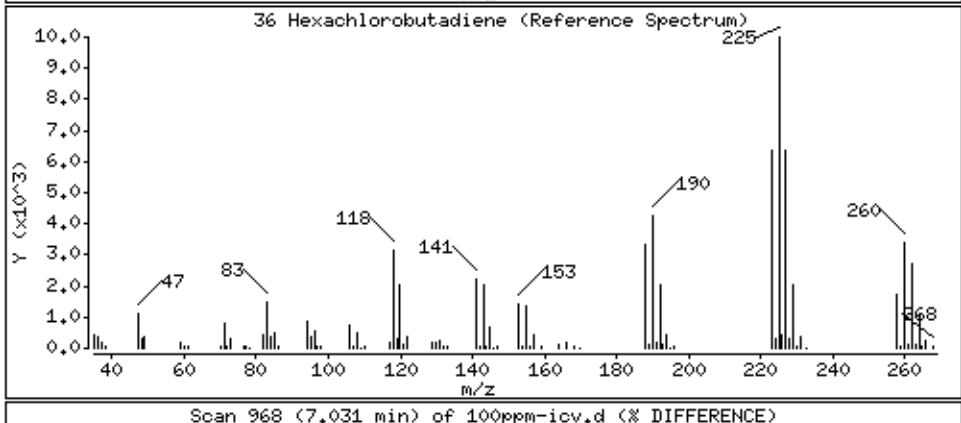
Column diameter: 0.25

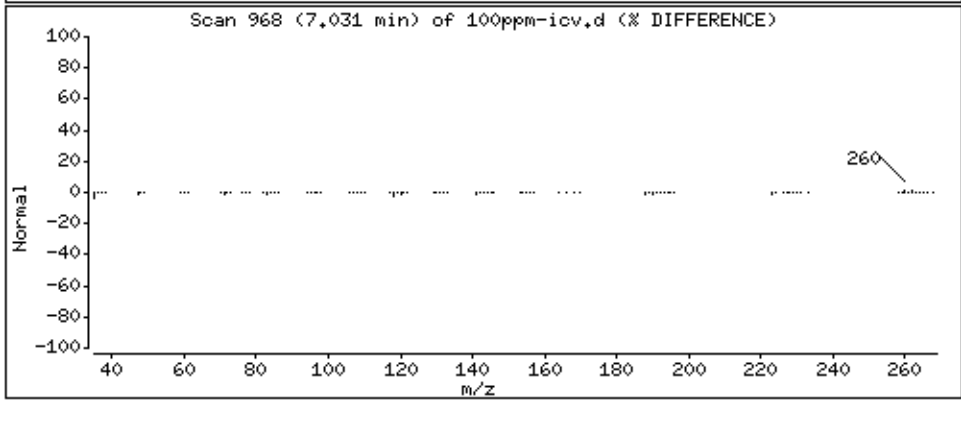
36 Hexachlorobutadiene

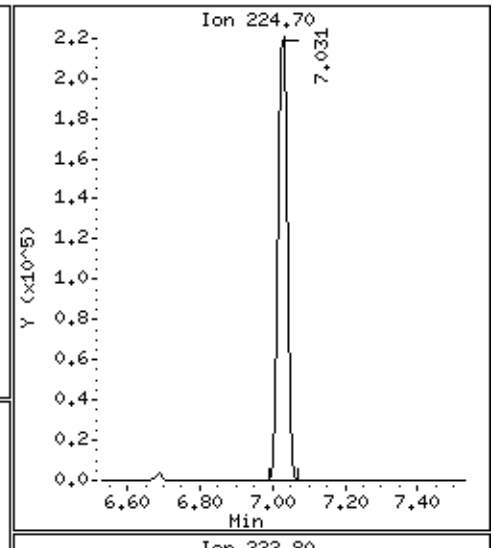
Concentration: 109.2 ug/L

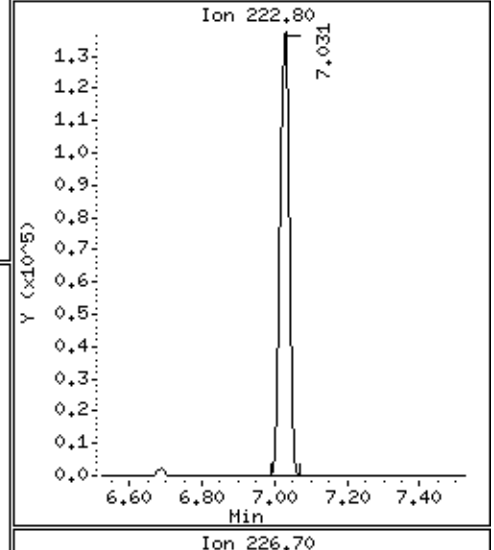


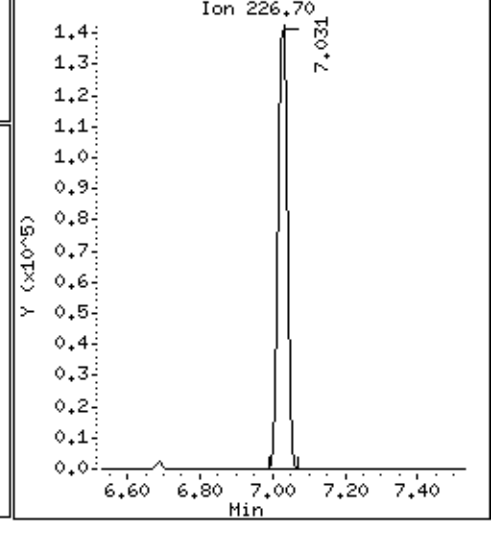












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

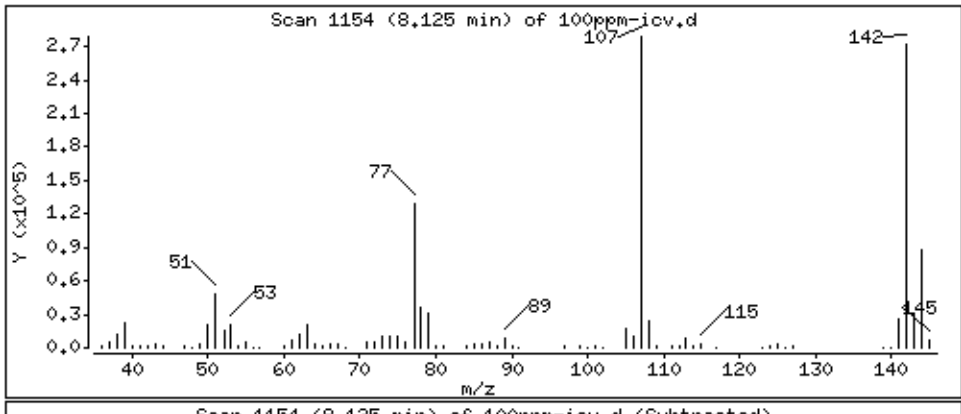
Operator: SN

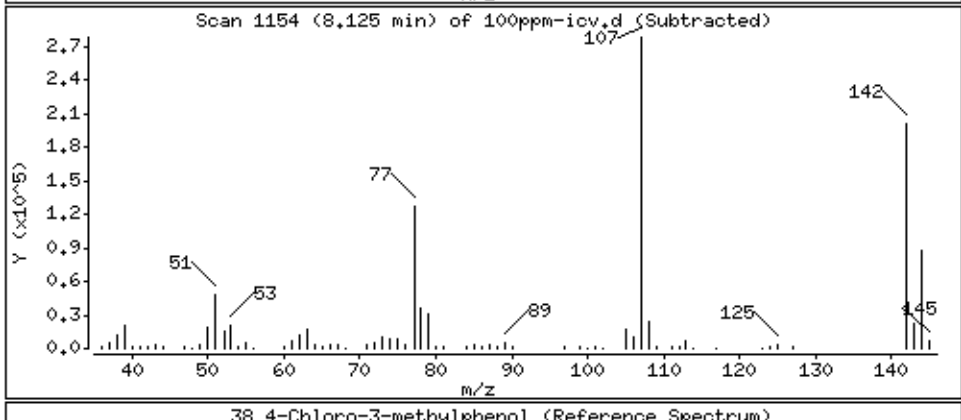
Column phase: .50um DB-5ms

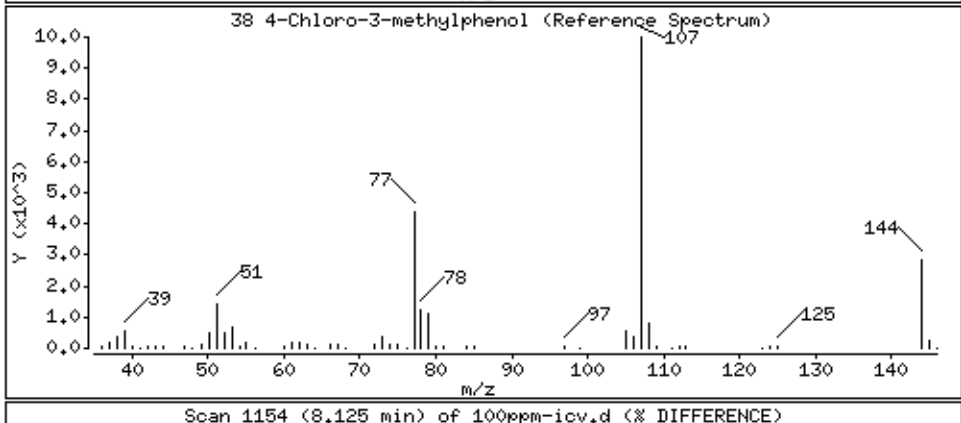
Column diameter: 0.25

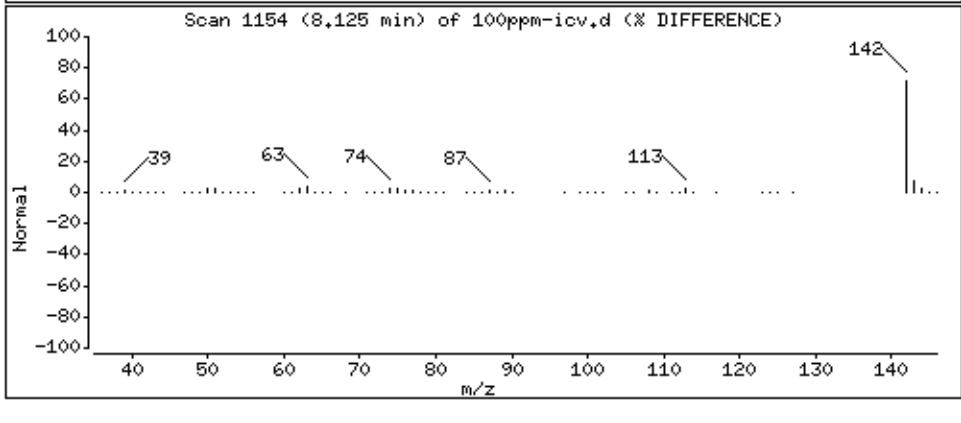
38 4-Chloro-3-methylphenol

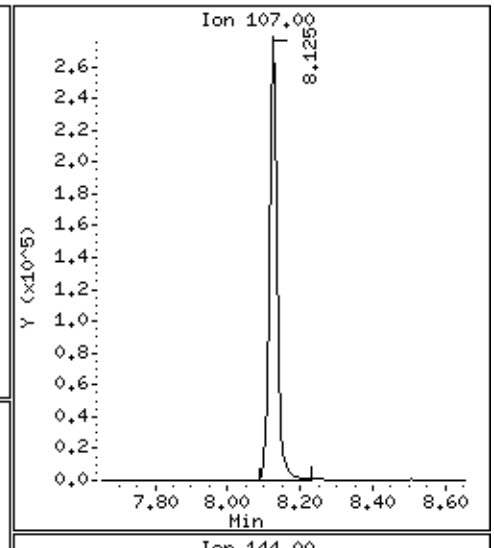
Concentration: 99.66 ug/L

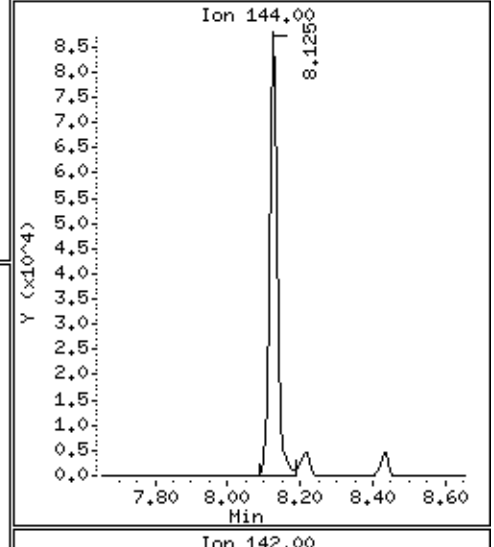


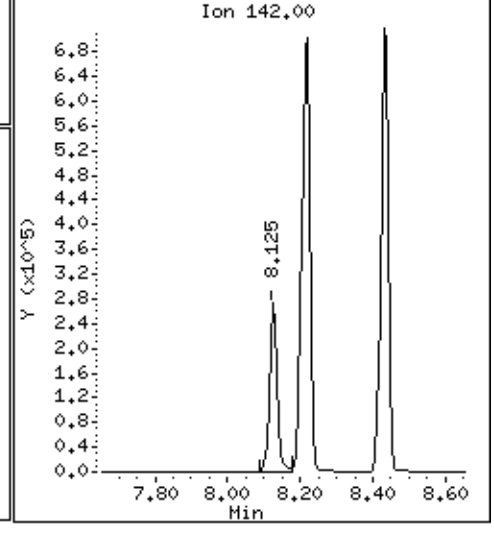












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

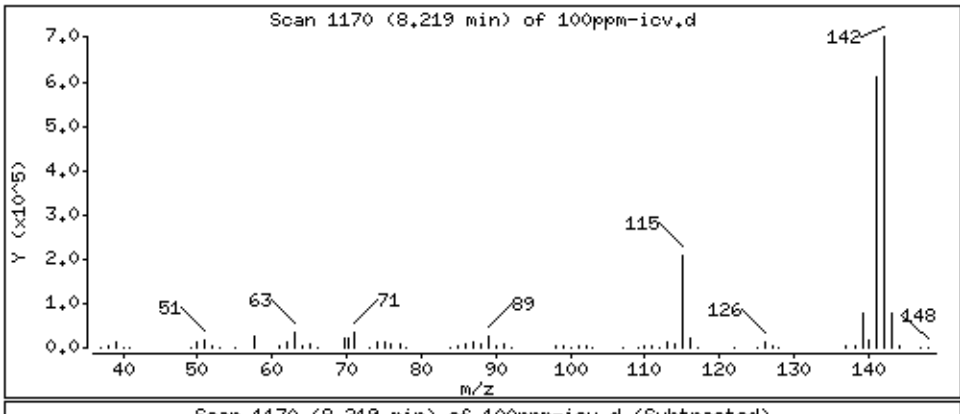
Operator: SN

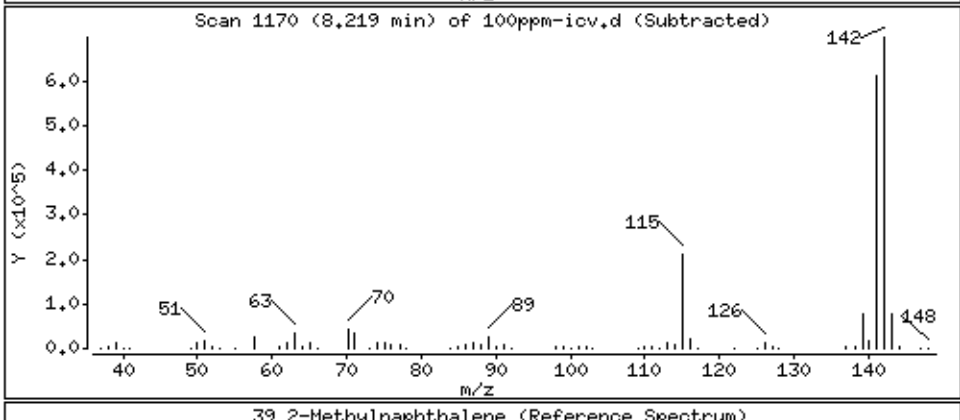
Column phase: .50um DB-5ms

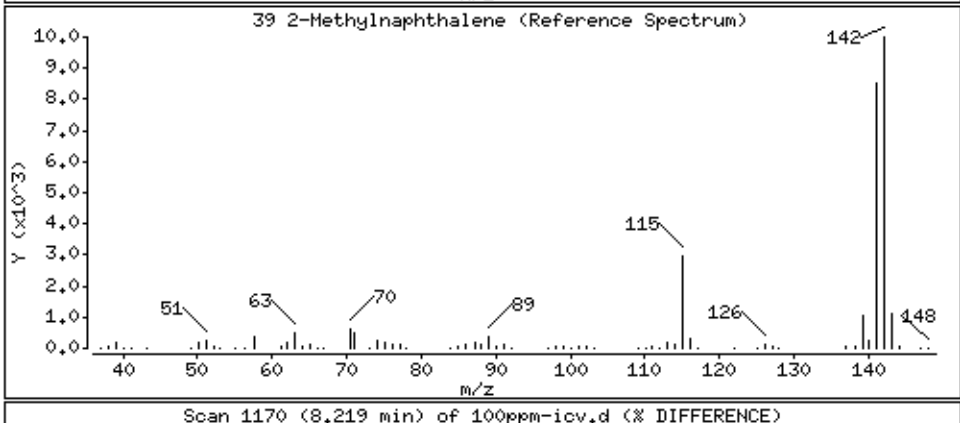
Column diameter: 0.25

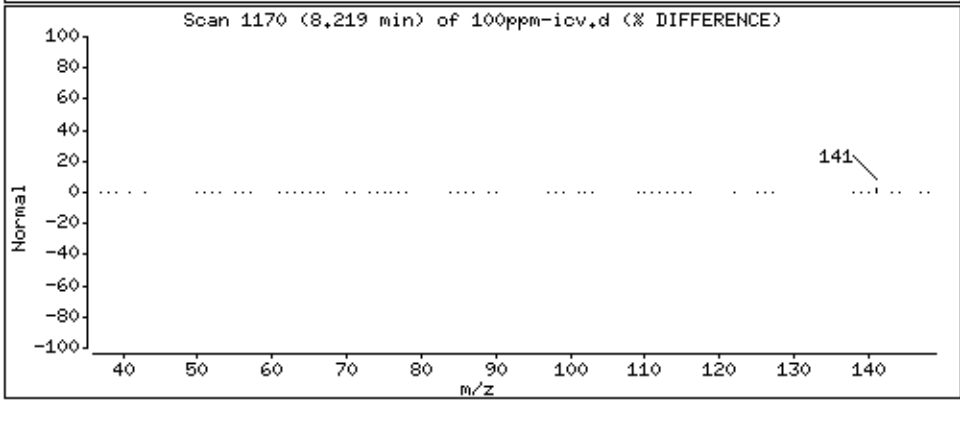
39 2-Methylnaphthalene

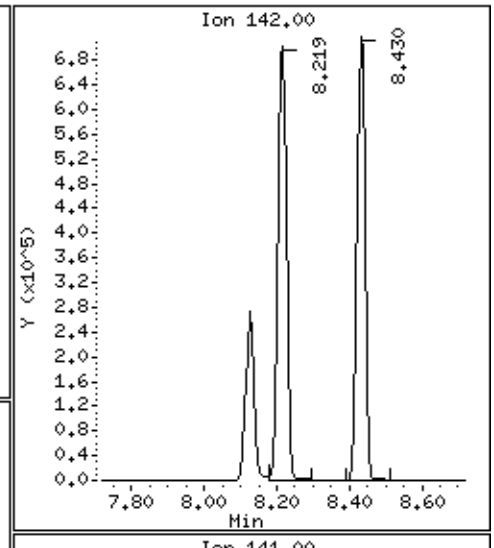
Concentration: 93.54 ug/L

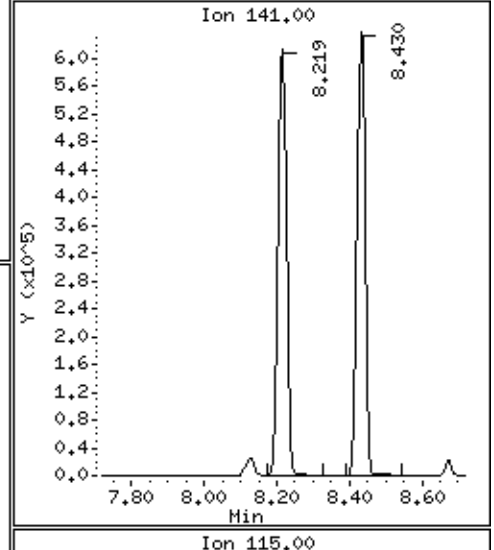


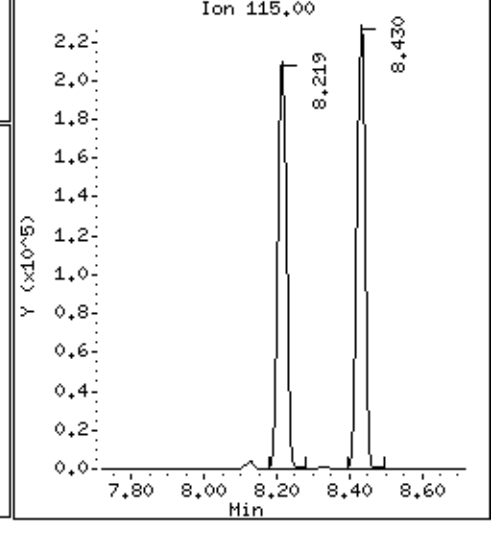












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

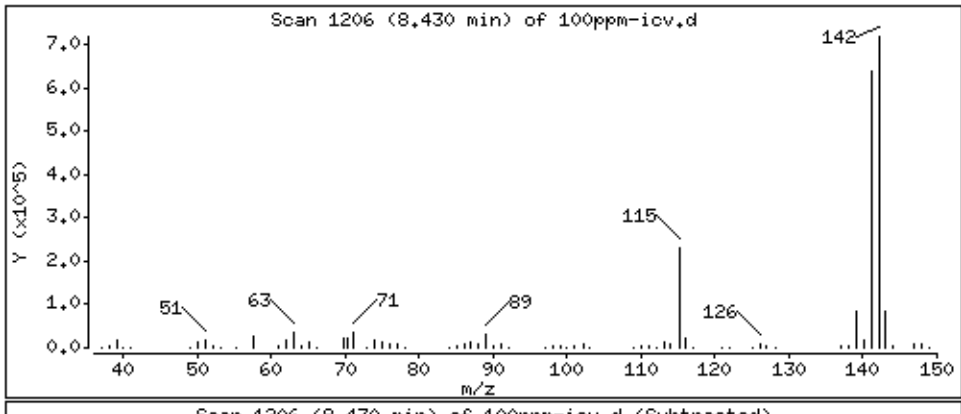
Operator: SN

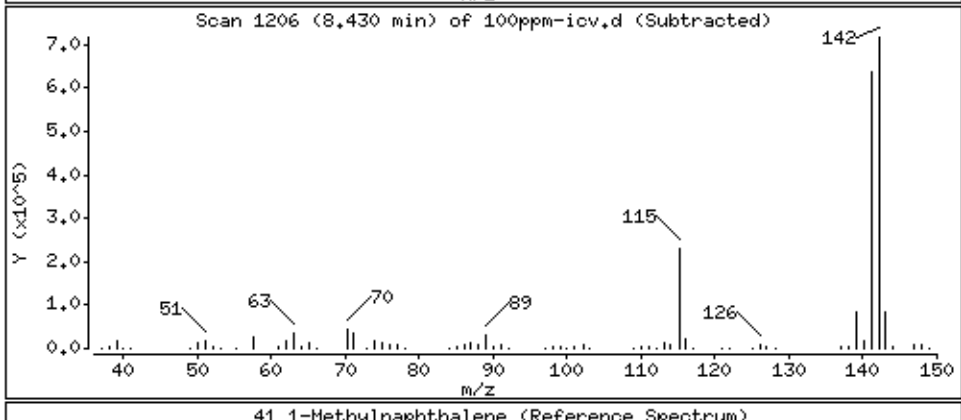
Column phase: .50um DB-5ms

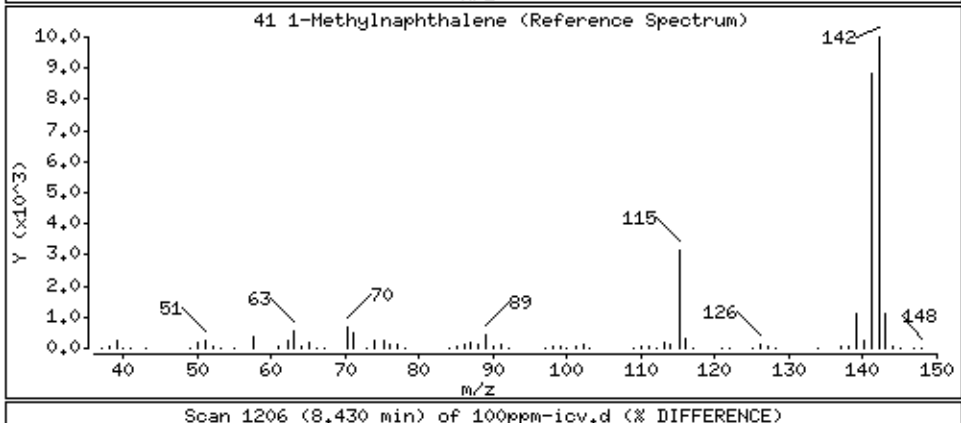
Column diameter: 0.25

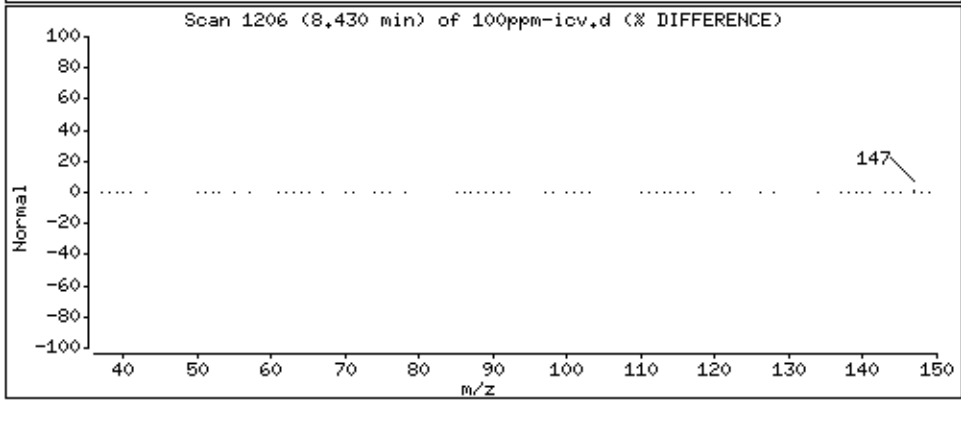
41 1-Methylnaphthalene

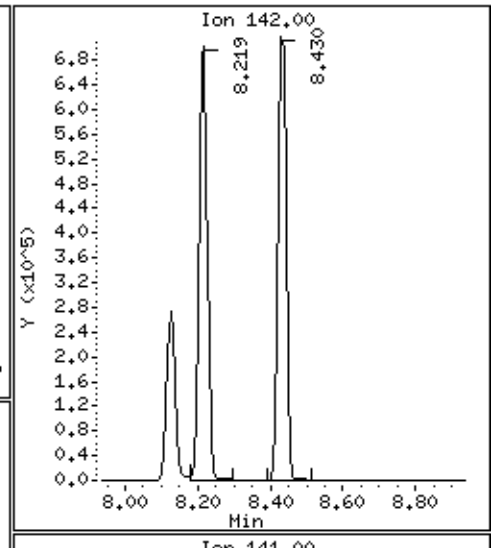
Concentration: 92.60 ug/L

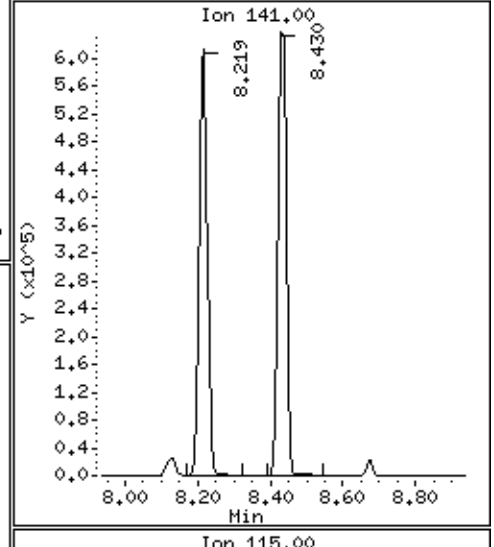


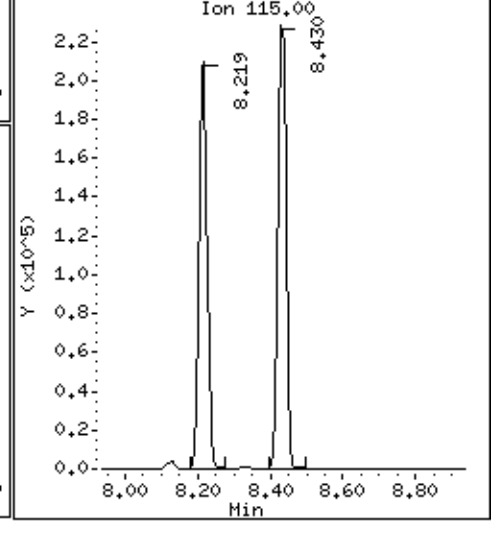












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

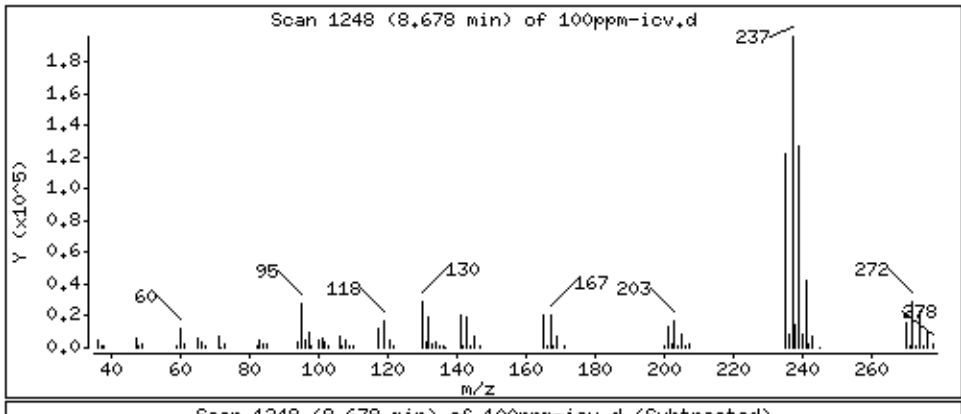
Operator: SN

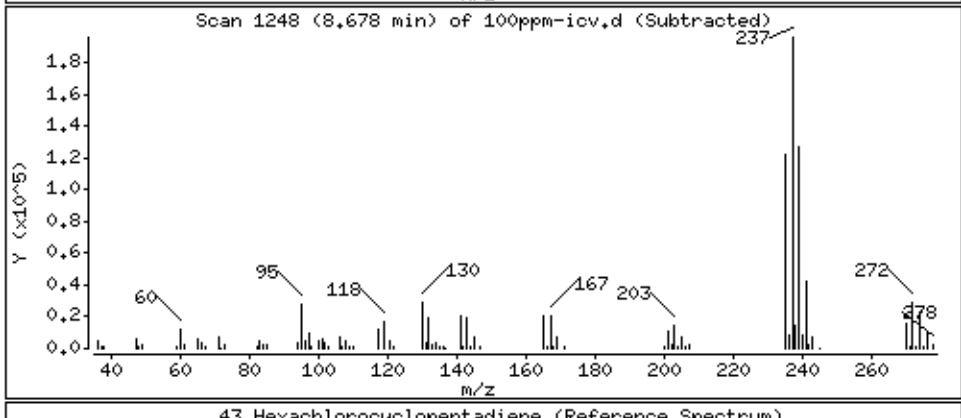
Column phase: .50um DB-5ms

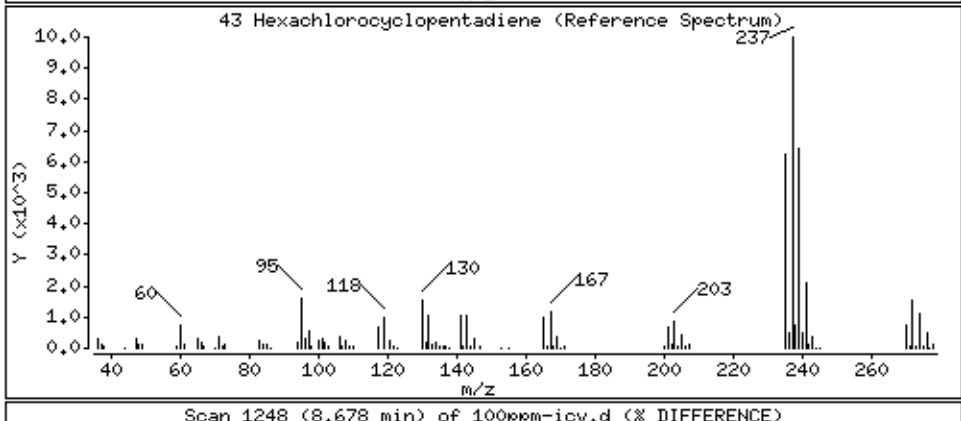
Column diameter: 0.25

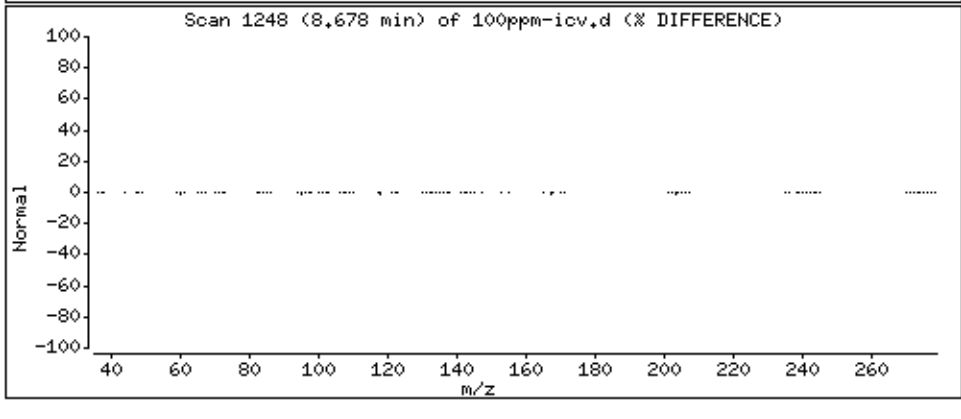
43 Hexachlorocyclopentadiene

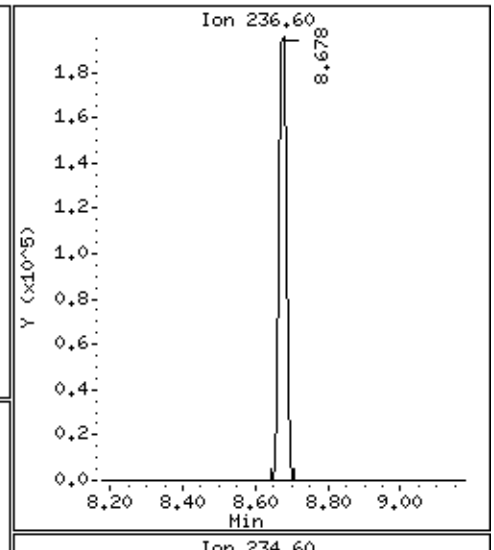
Concentration: 96.90 ug/L

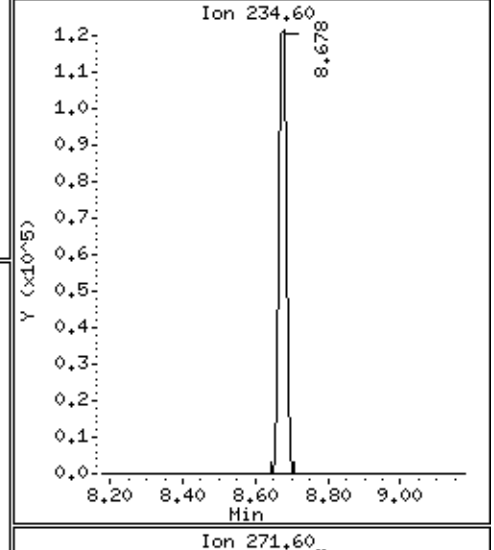


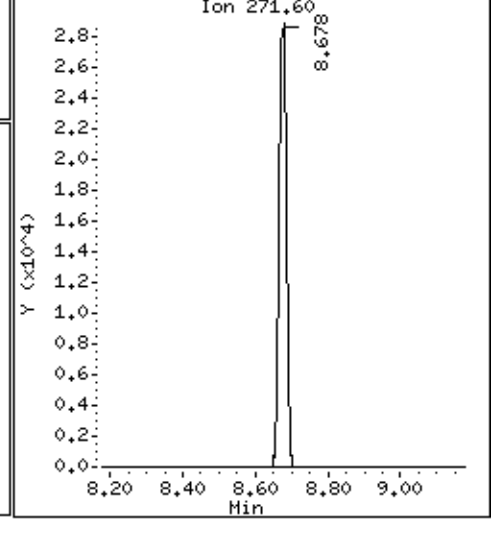












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

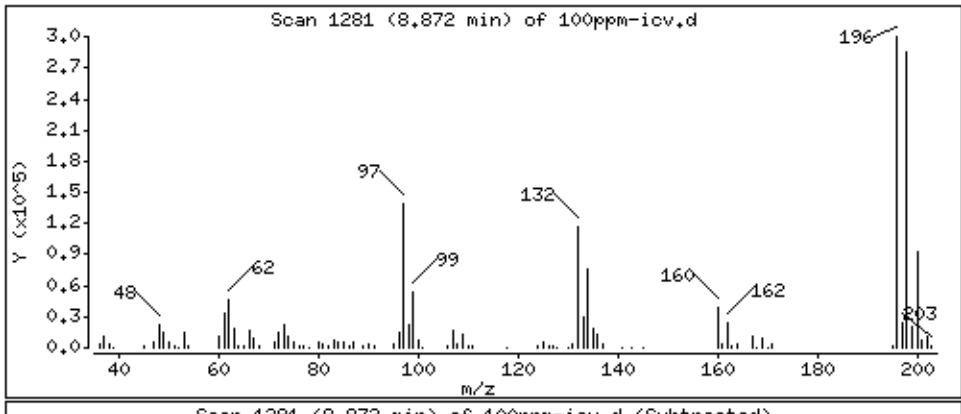
Operator: SN

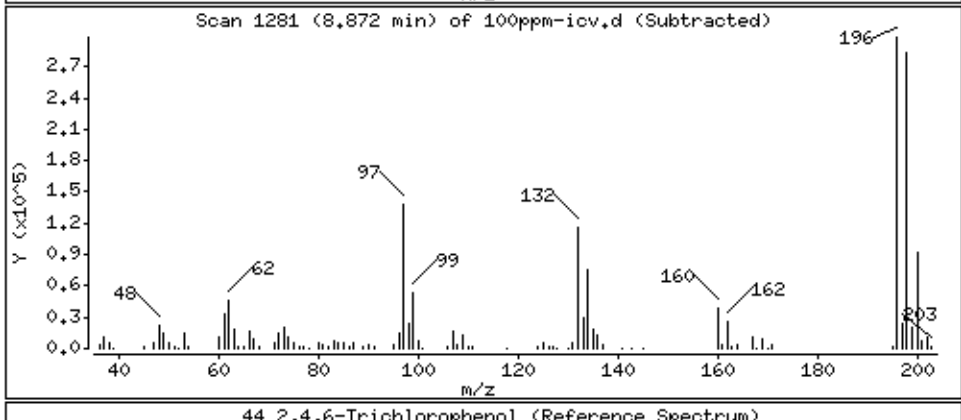
Column phase: .50um DB-5ms

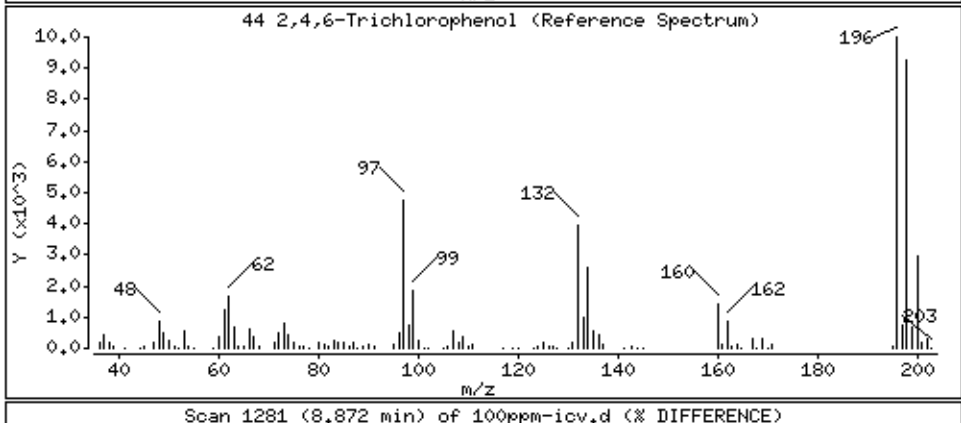
Column diameter: 0.25

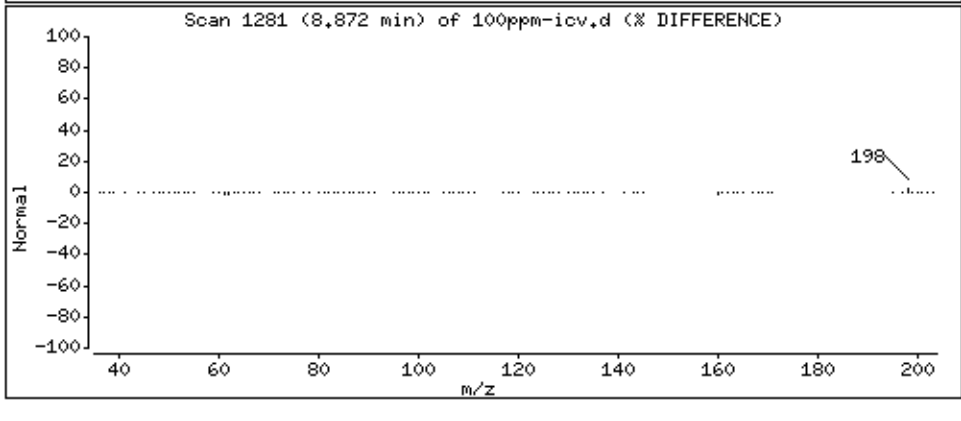
44 2,4,6-Trichlorophenol

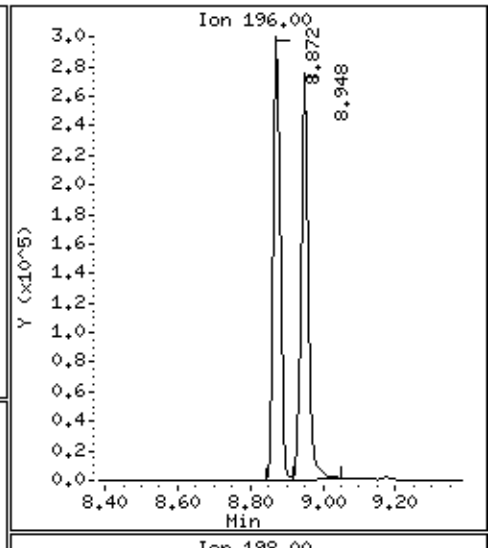
Concentration: 99.20 ug/L

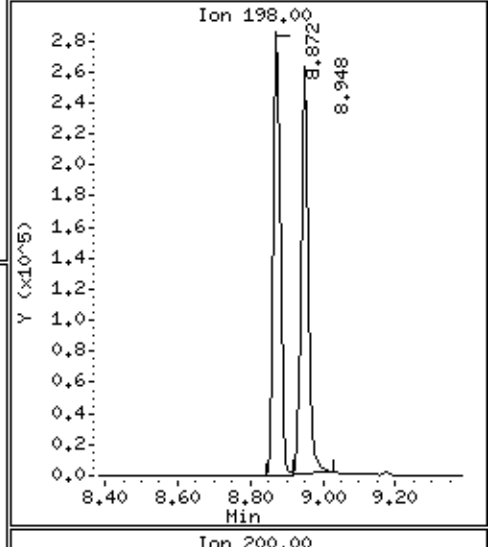


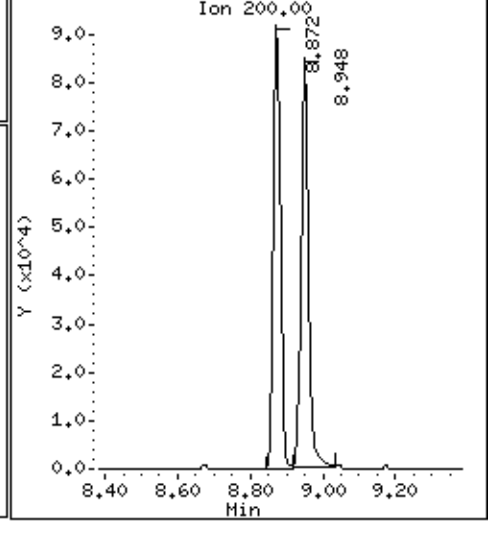












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

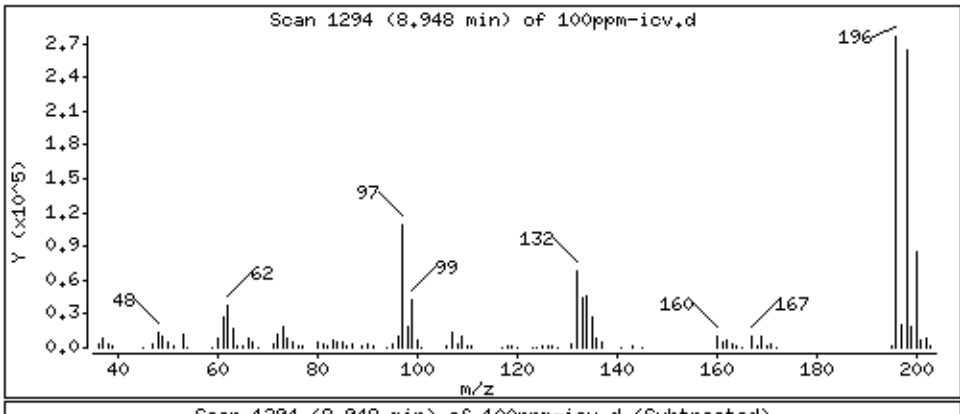
Operator: SN

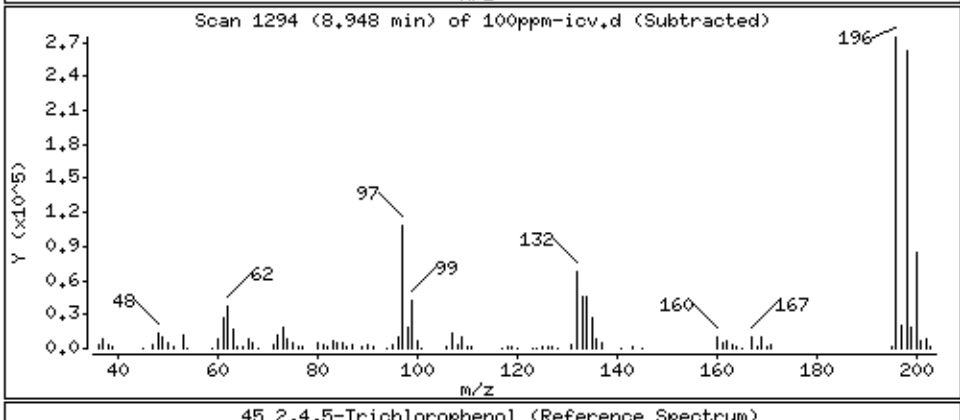
Column phase: .50um DB-5ms

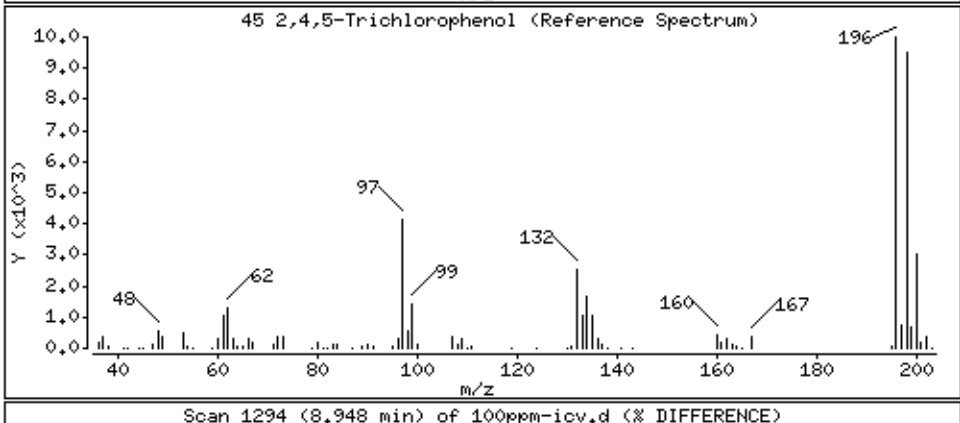
Column diameter: 0.25

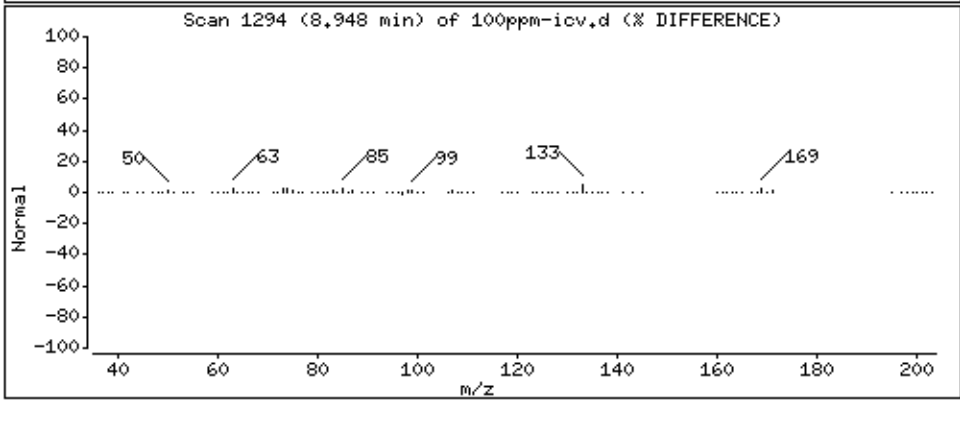
45 2,4,5-Trichlorophenol

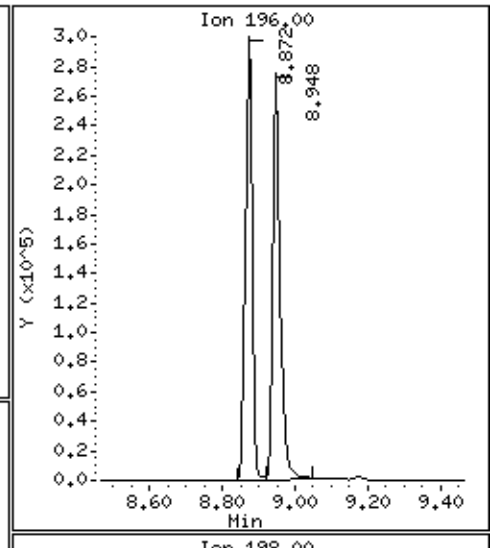
Concentration: 98.61 ug/L

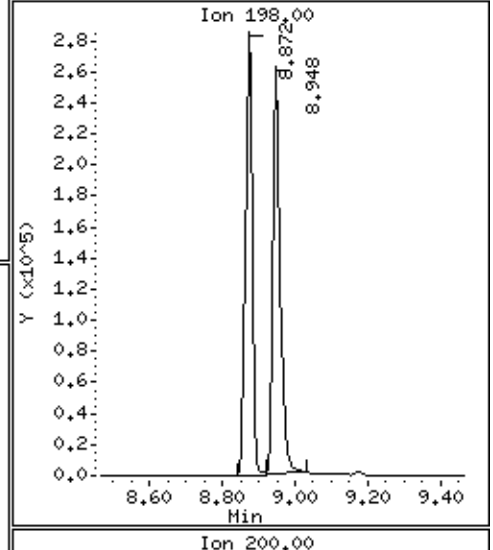


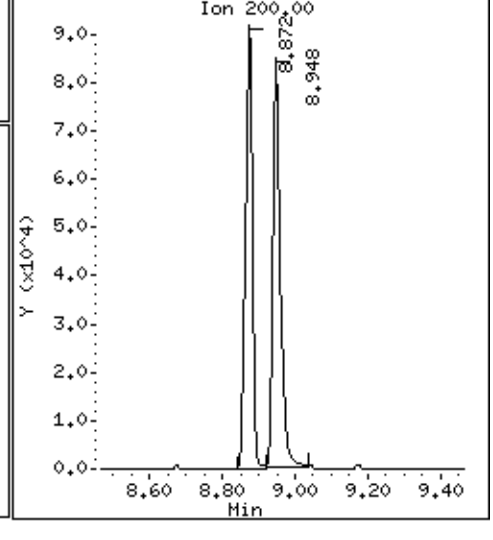












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

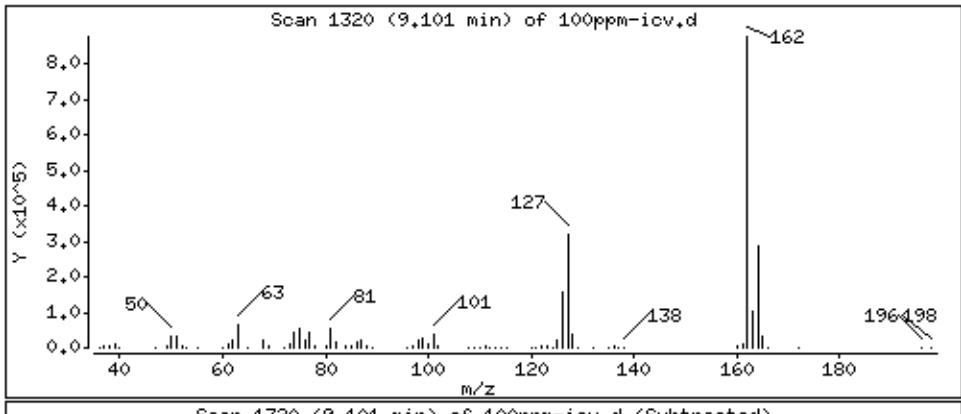
Operator: SN

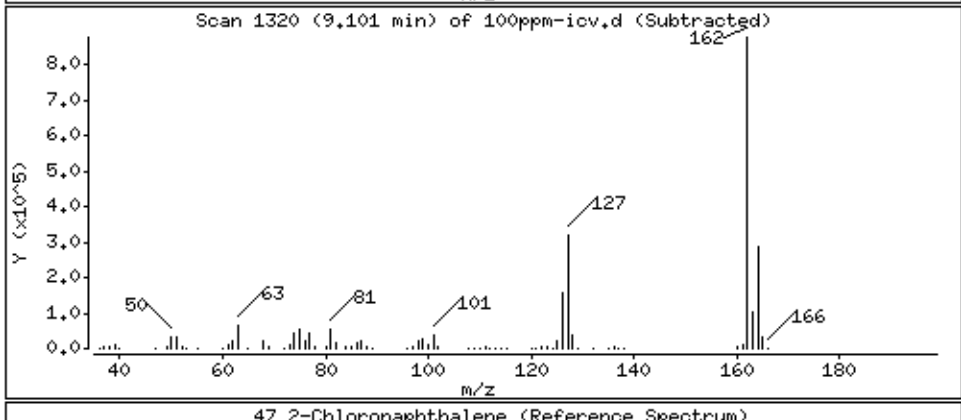
Column phase: .50um DB-5ms

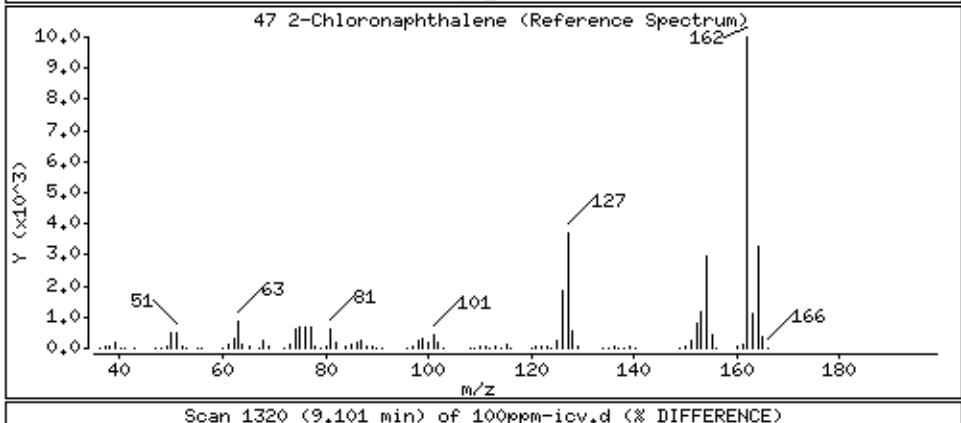
Column diameter: 0.25

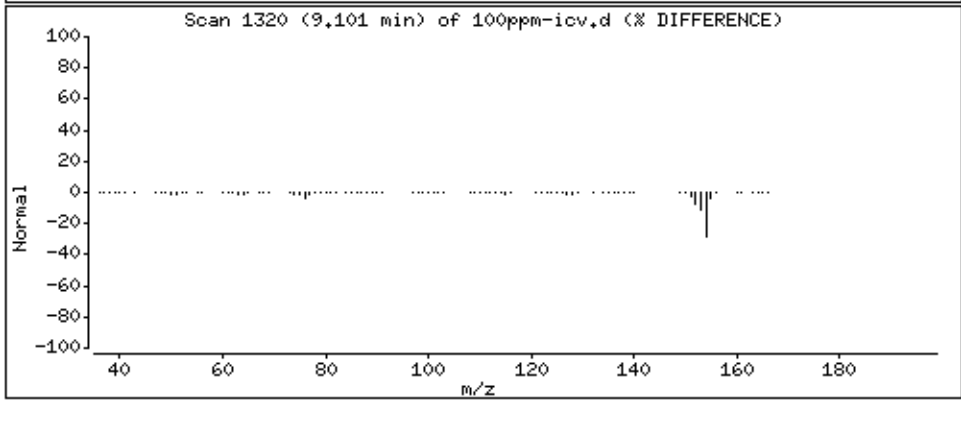
47 2-Chloronaphthalene

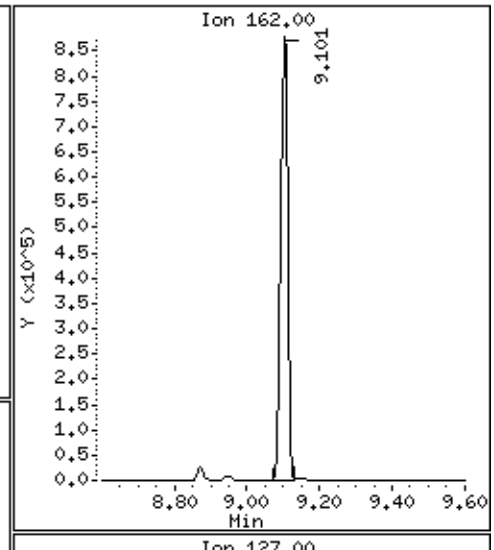
Concentration: 100.8 ug/L

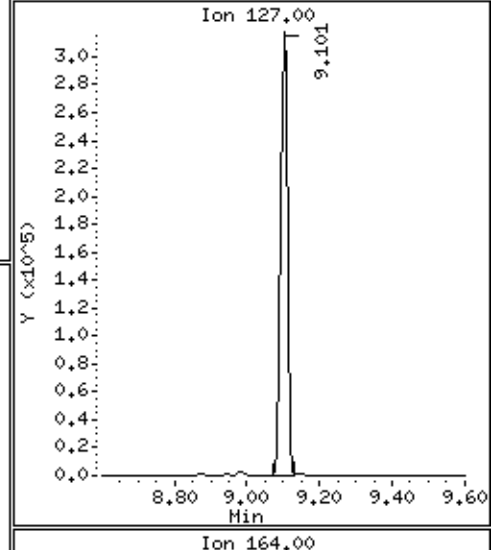


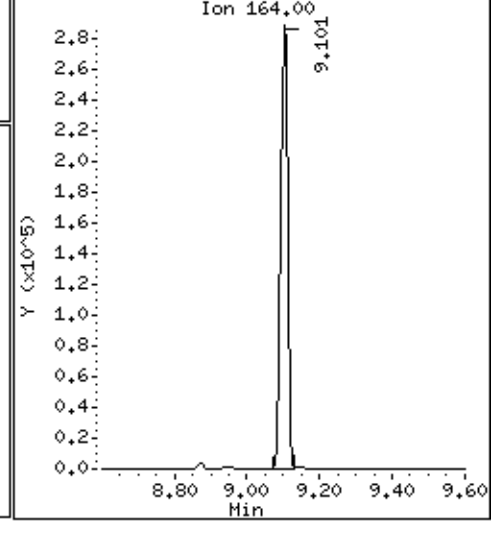












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

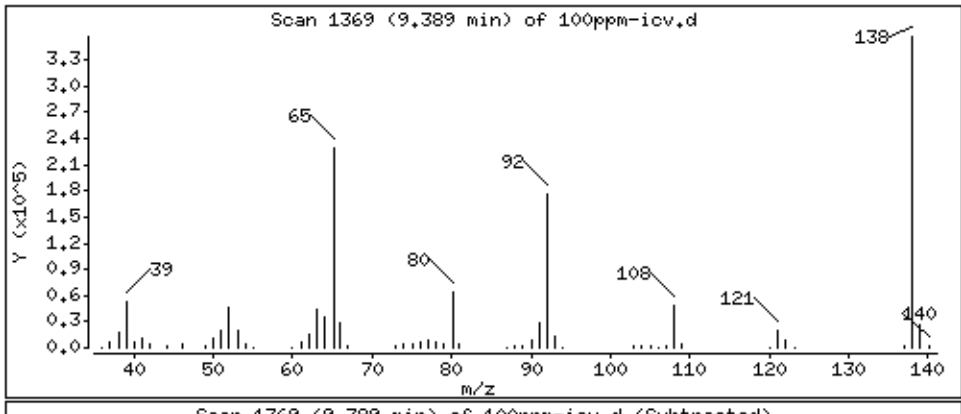
Operator: SN

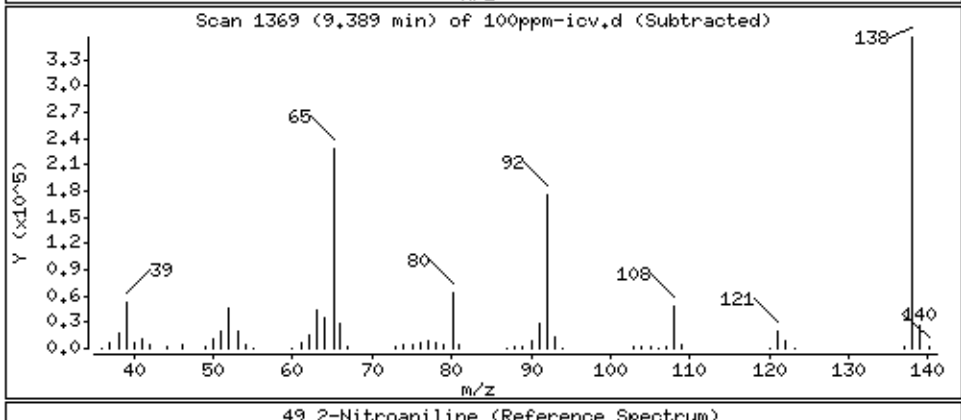
Column phase: .50um DB-5ms

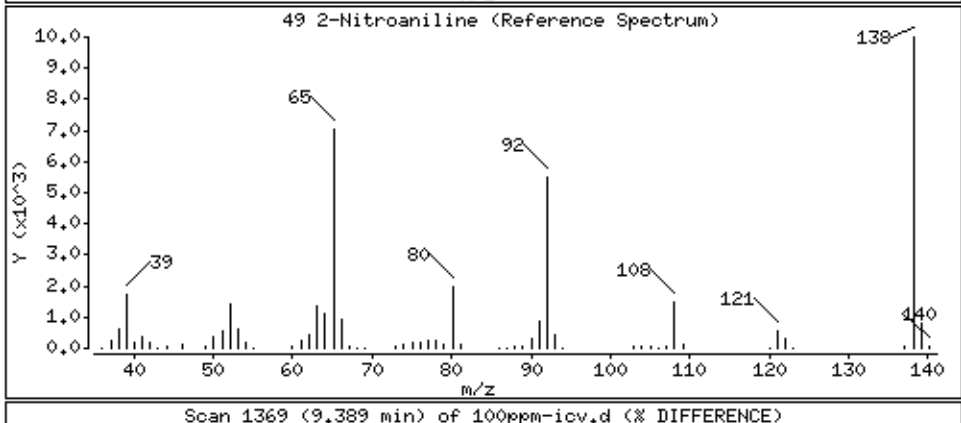
Column diameter: 0.25

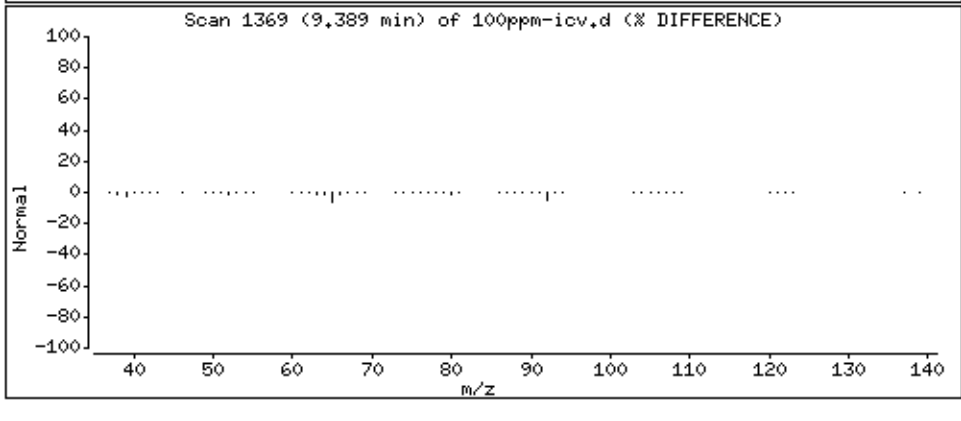
49 2-Nitroaniline

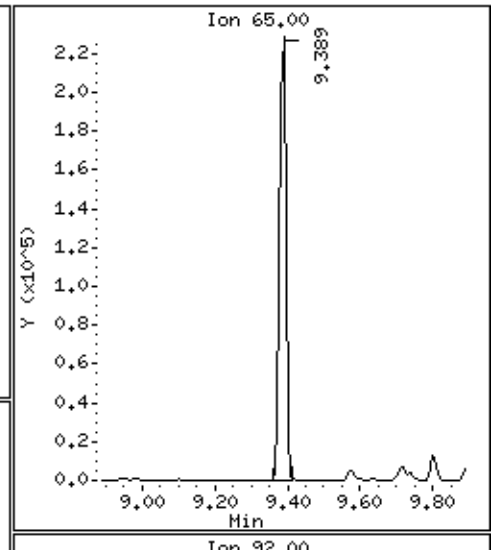
Concentration: 103.9 ug/L

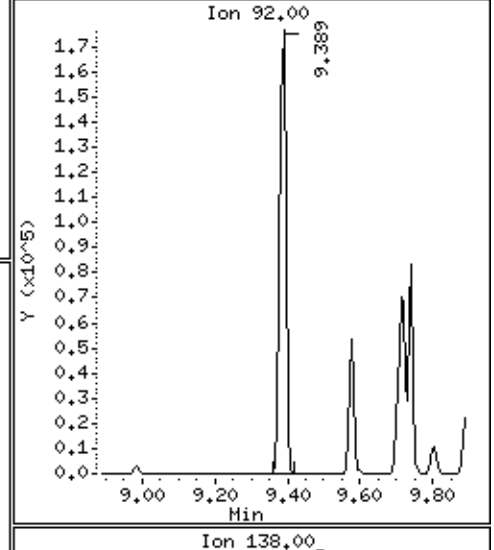


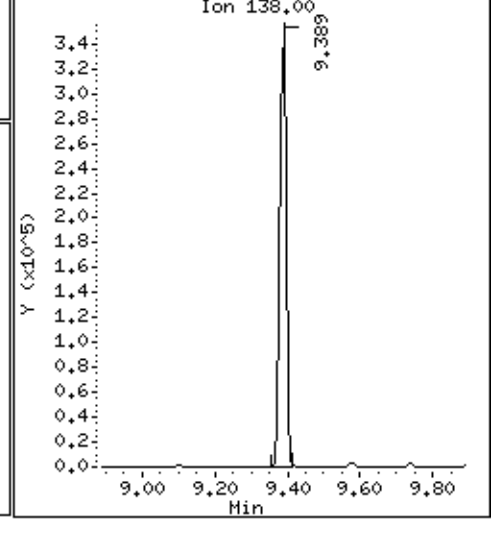












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

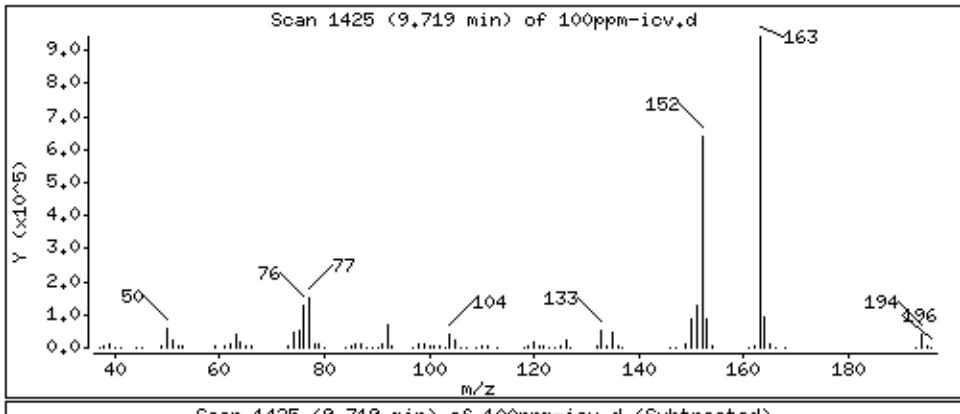
Operator: SN

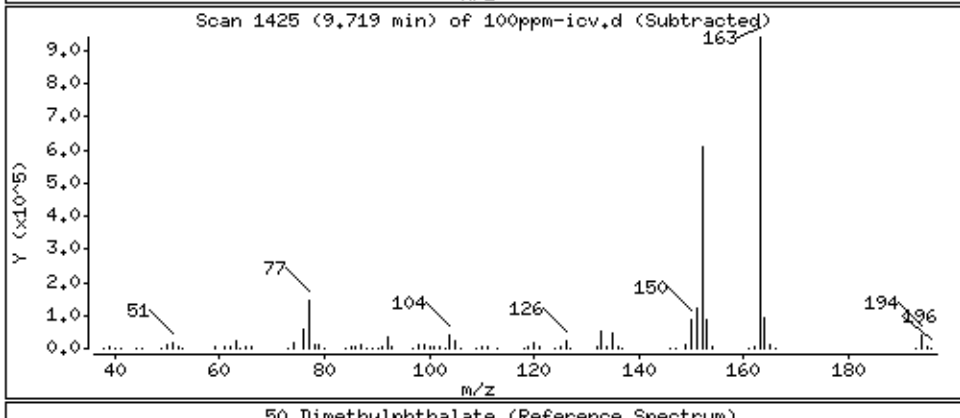
Column phase: .50um DB-5ms

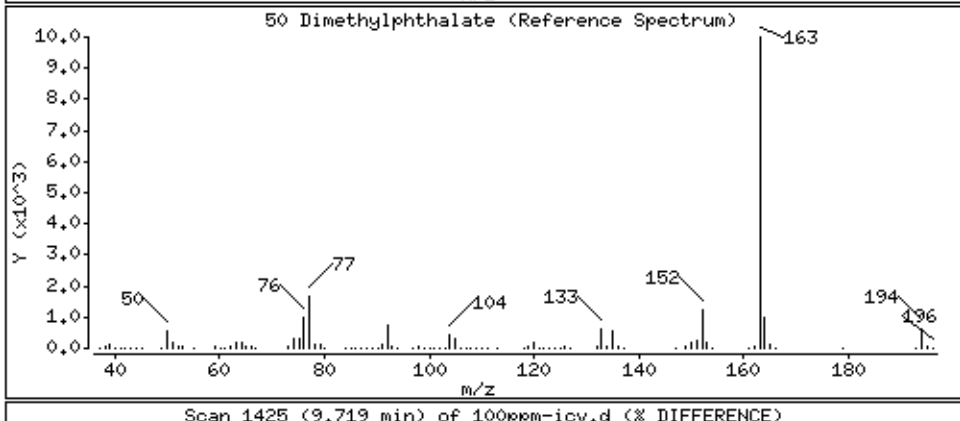
Column diameter: 0.25

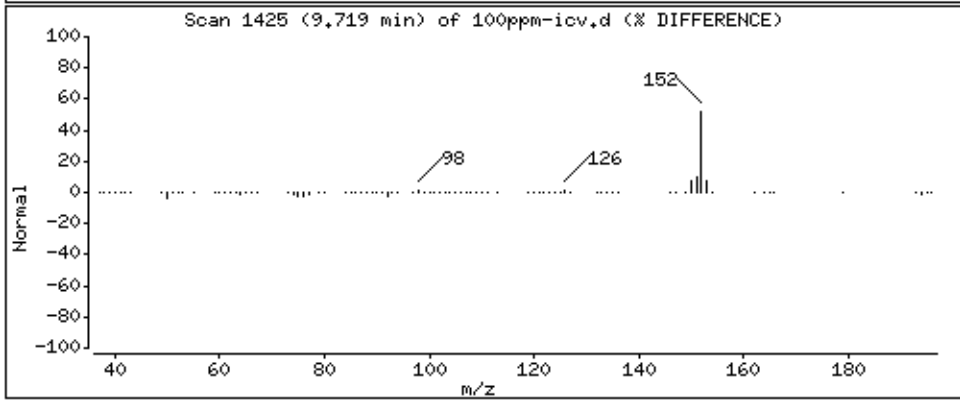
50 Dimethylphthalate

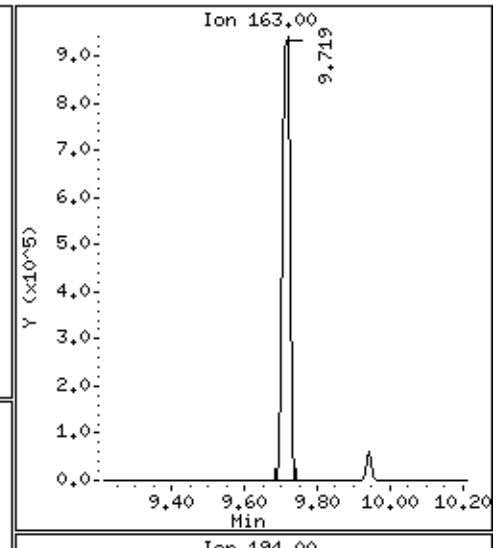
Concentration: 95.49 ug/L

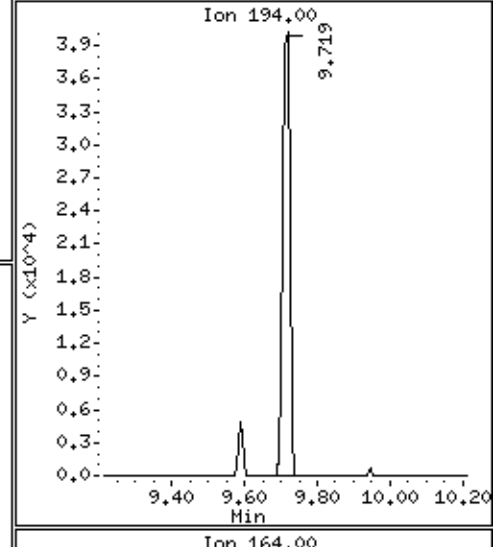


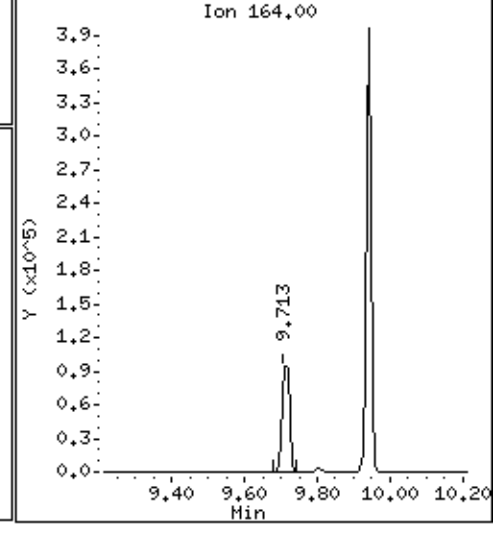












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

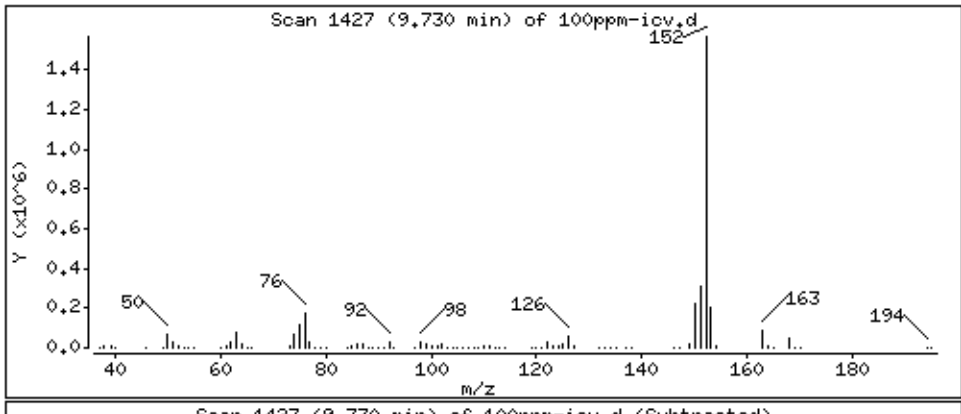
Operator: SN

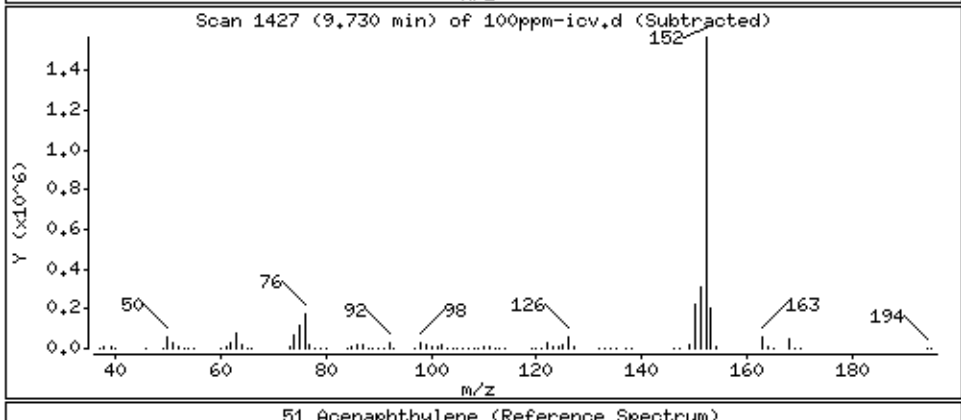
Column phase: .50um DB-5ms

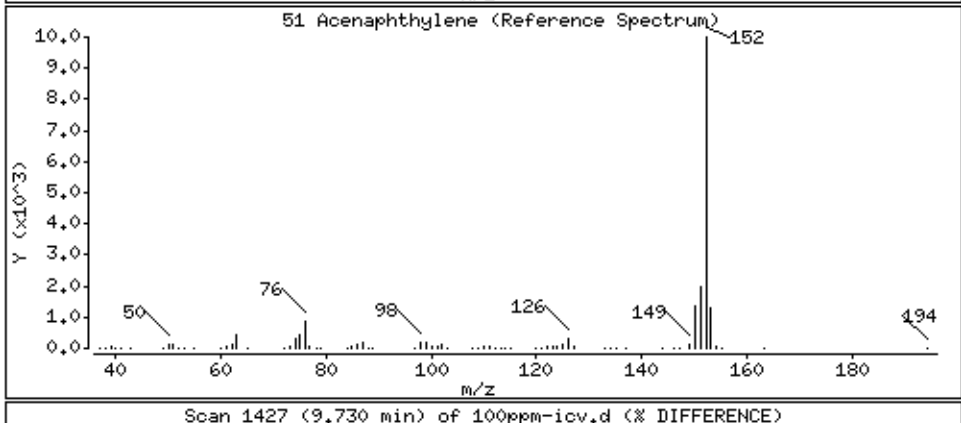
Column diameter: 0.25

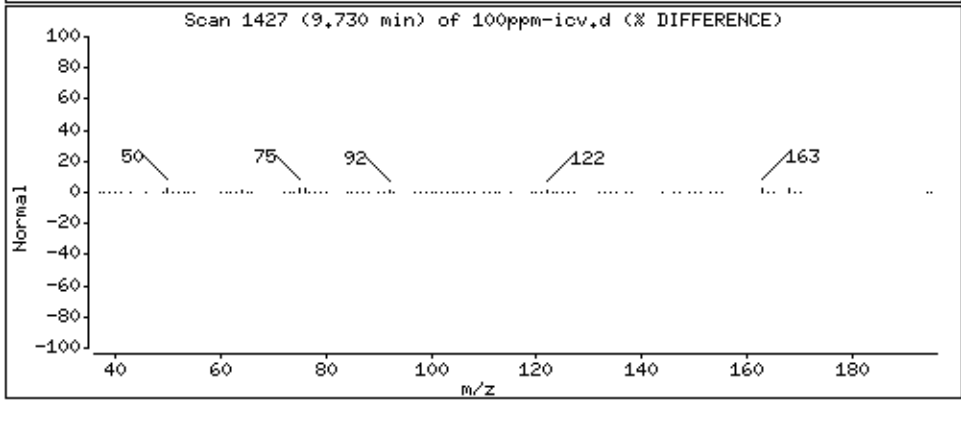
51 Acenaphthylene

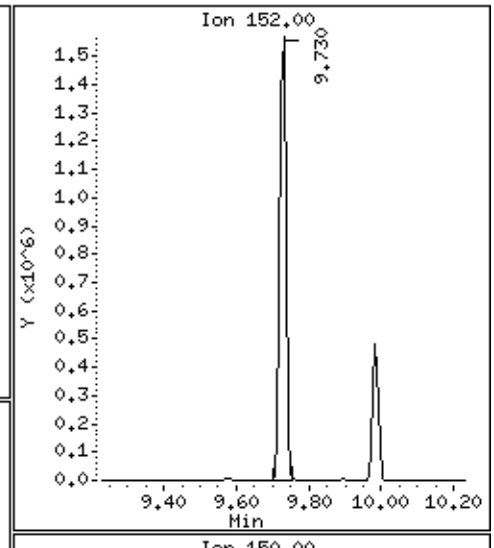
Concentration: 92.94 ug/L

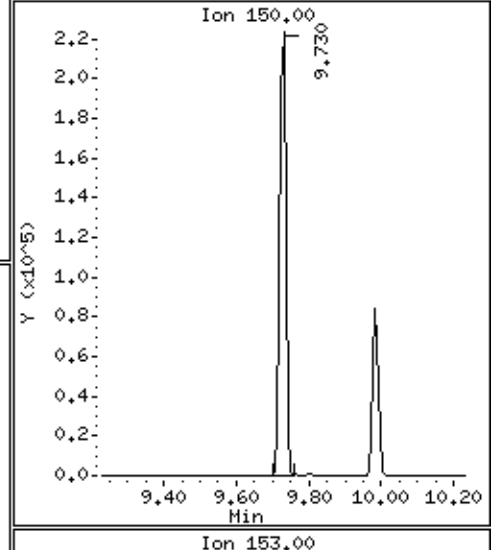


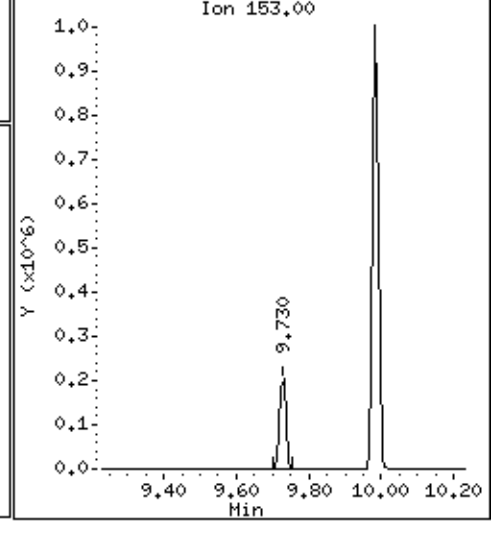












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

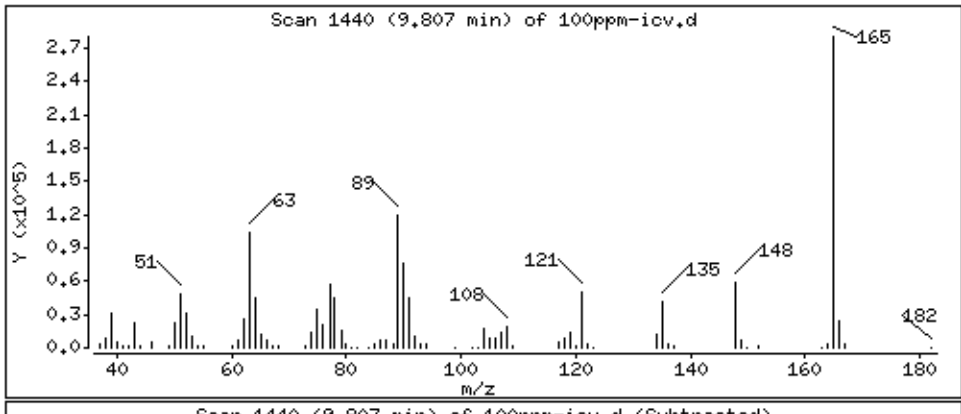
Operator: SN

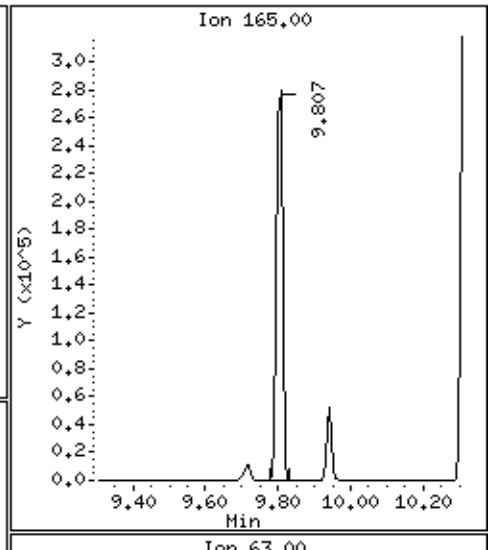
Column phase: .50um DB-5ms

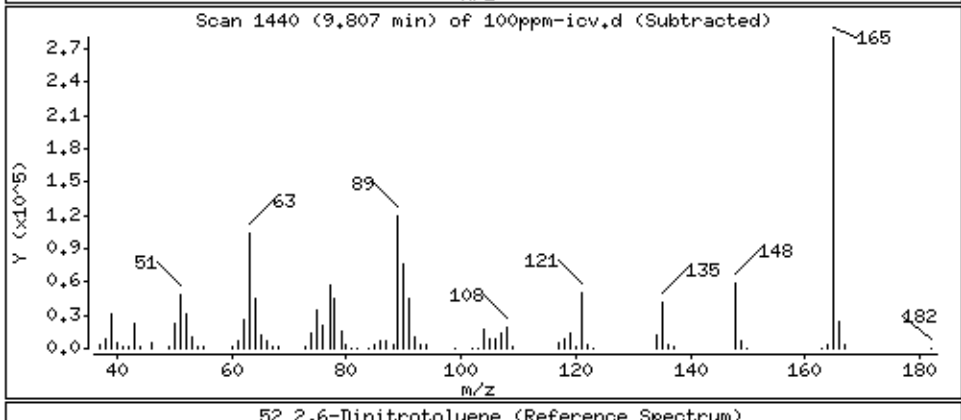
Column diameter: 0.25

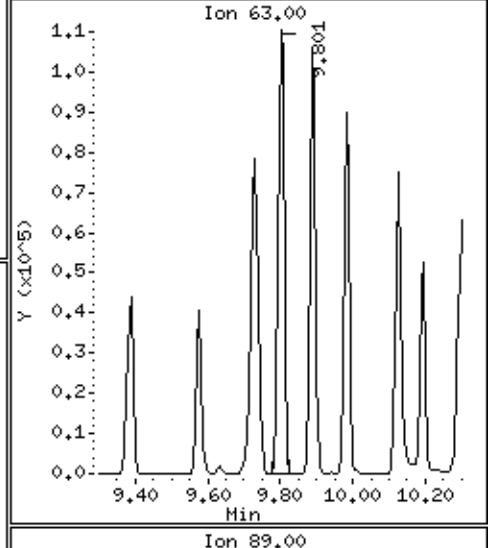
52 2,6-Dinitrotoluene

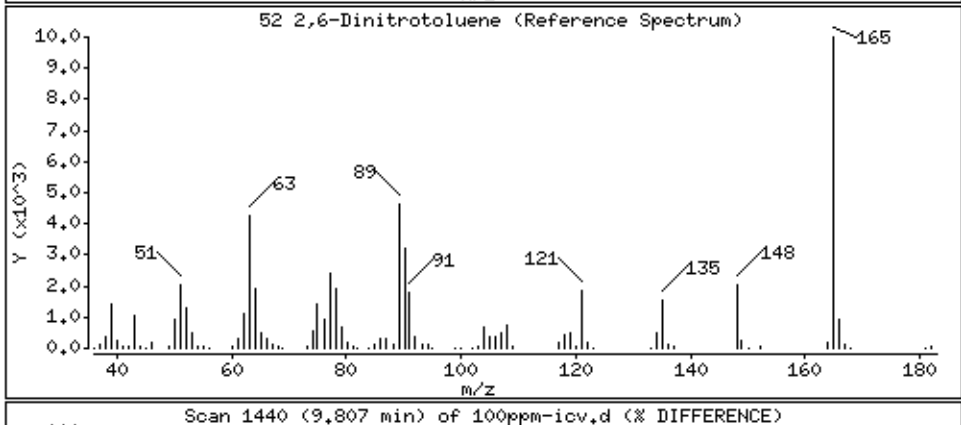
Concentration: 108.6 ug/L

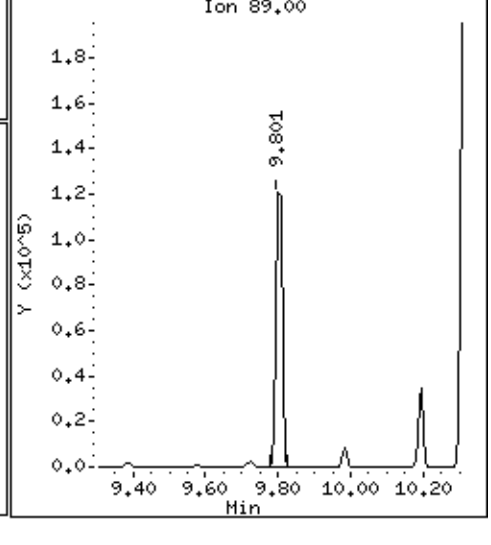


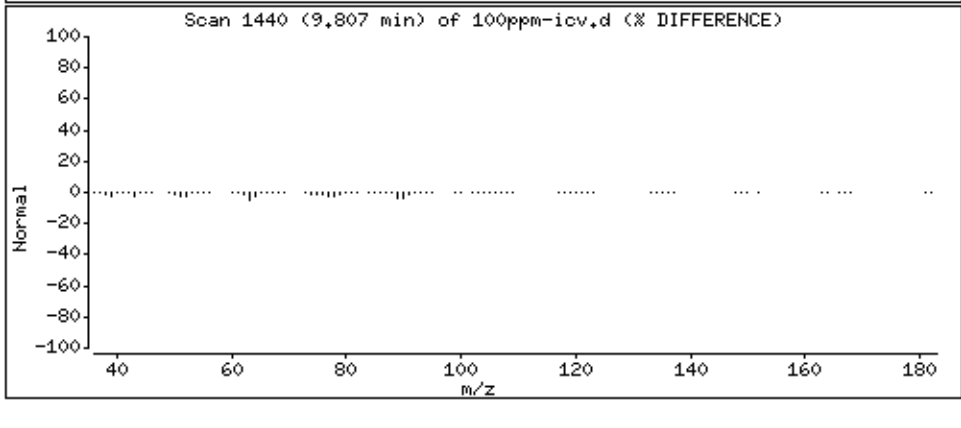












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

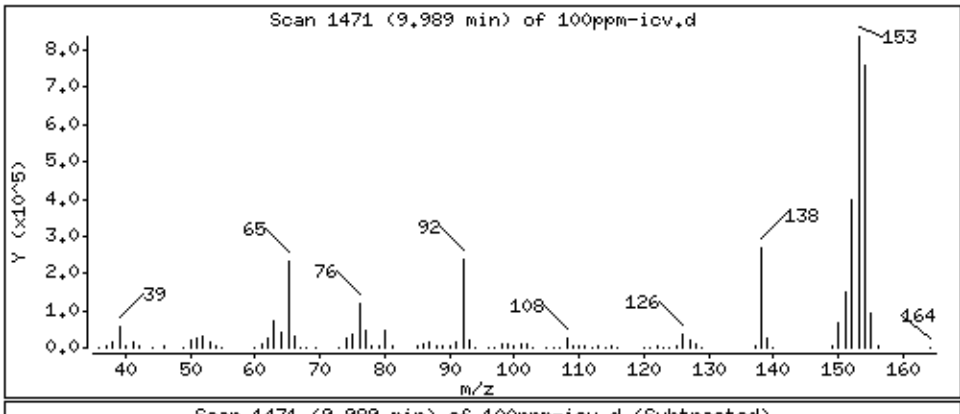
Operator: SN

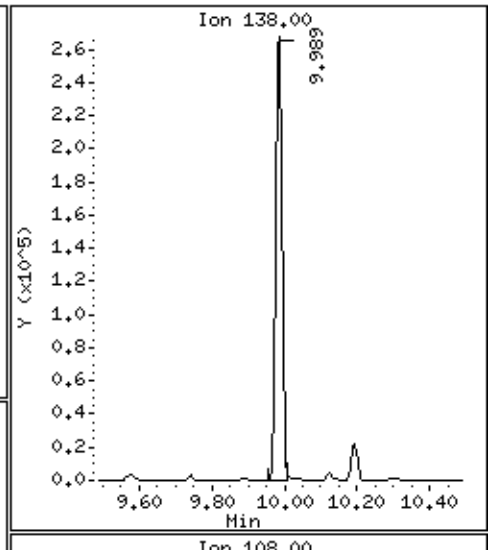
Column phase: .50um DB-5ms

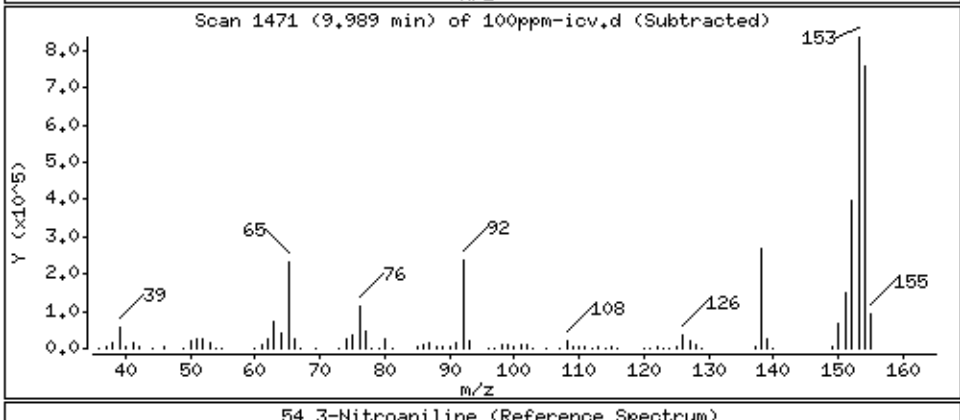
Column diameter: 0.25

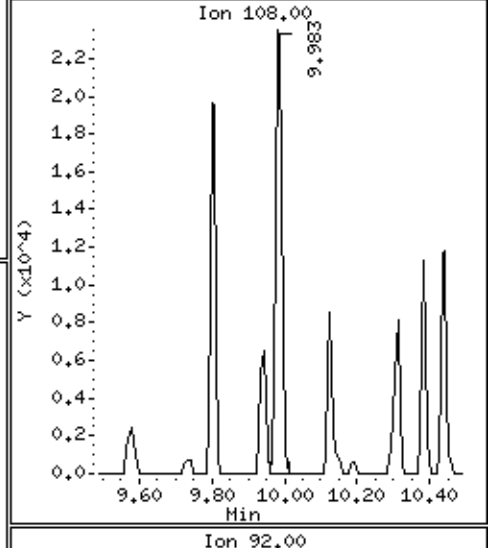
54 3-Nitroaniline

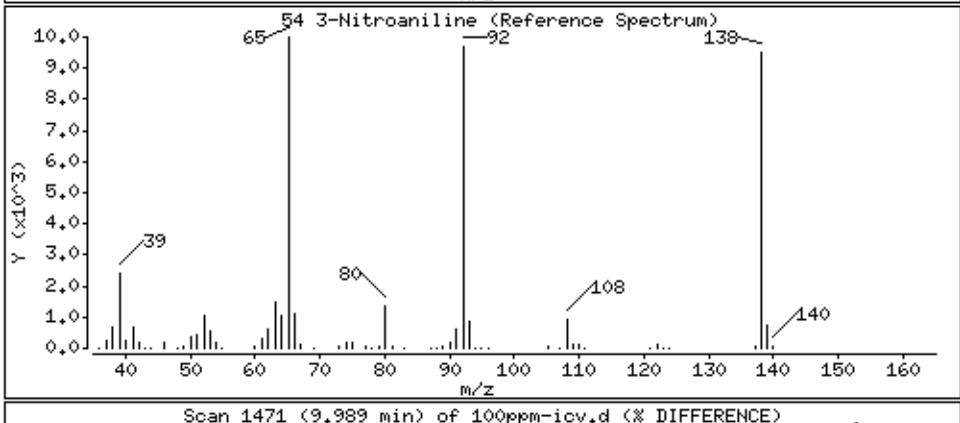
Concentration: 105.3 ug/L

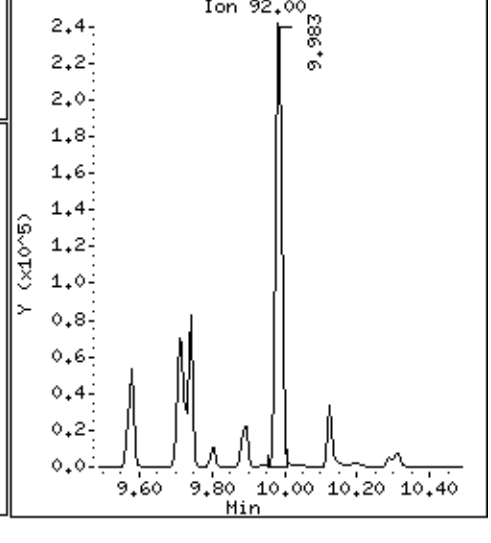


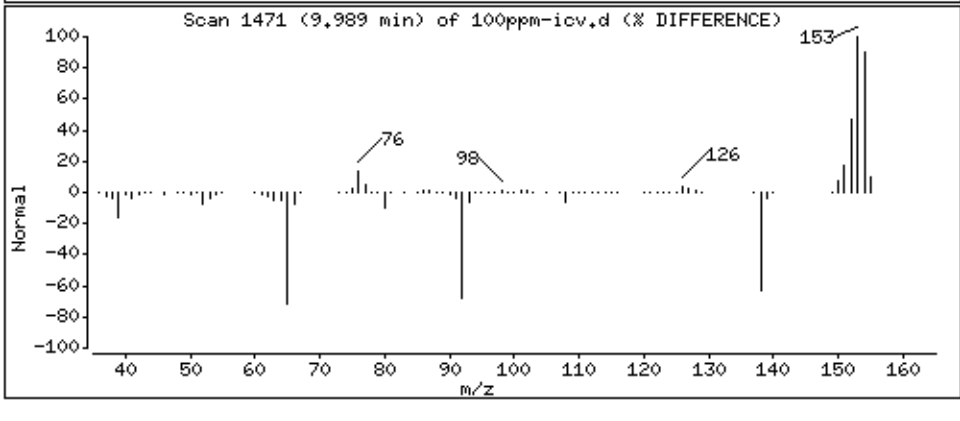












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

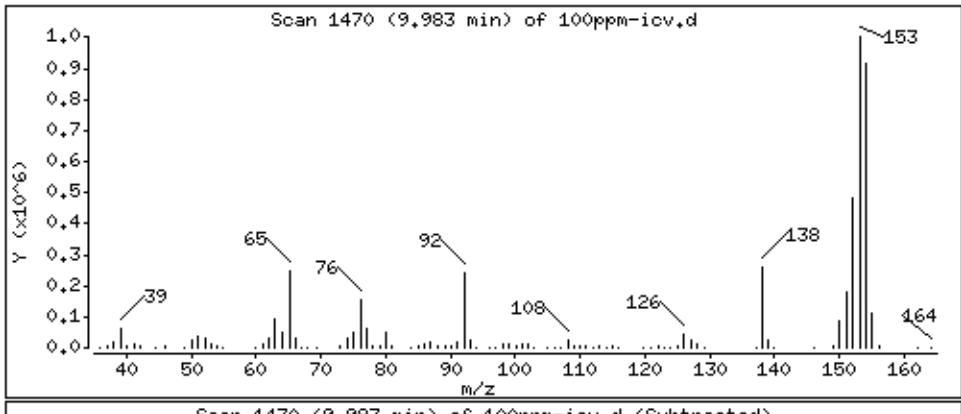
Operator: SN

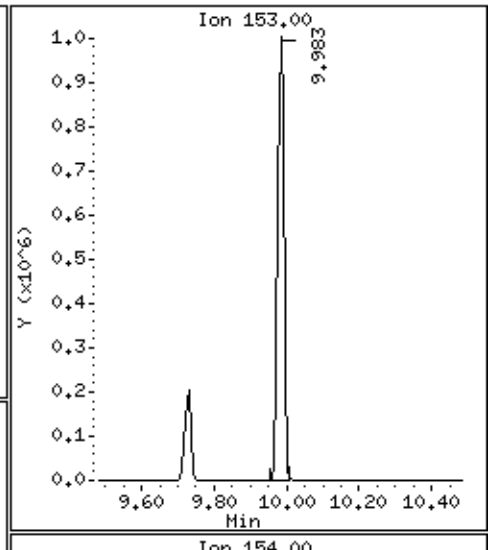
Column phase: .50um DB-5ms

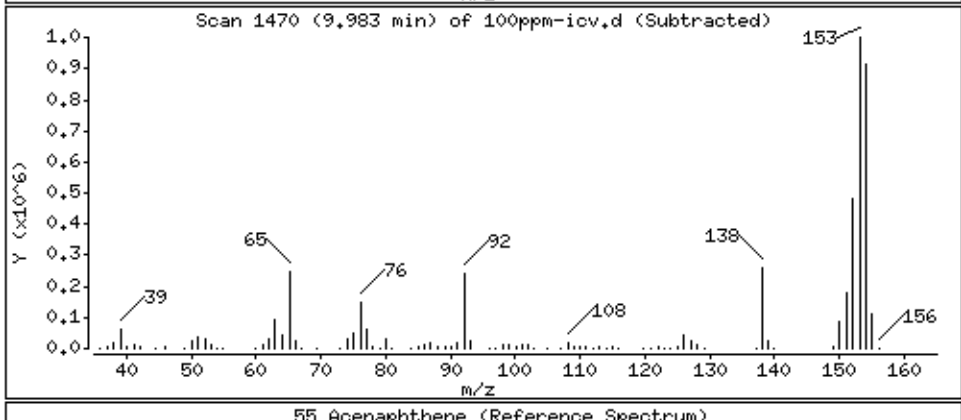
Column diameter: 0.25

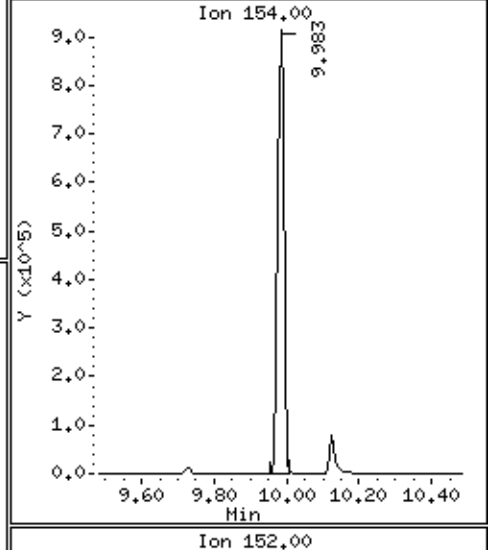
55 Acenaphthene

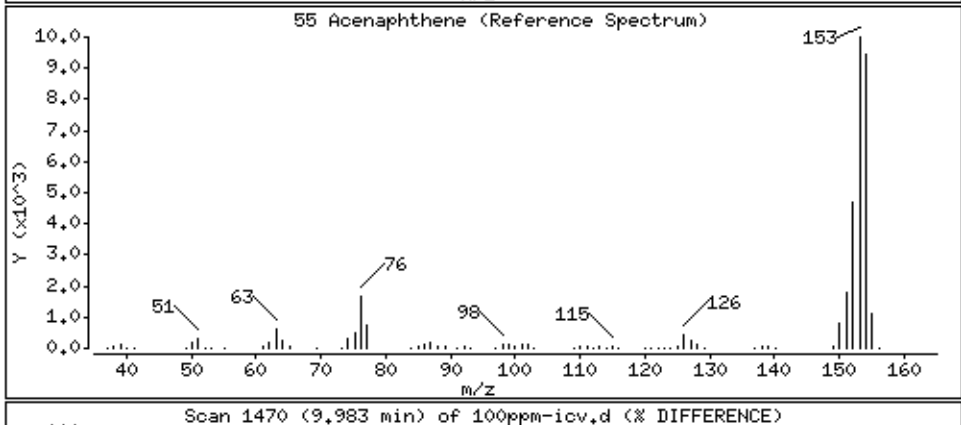
Concentration: 99.54 ug/L

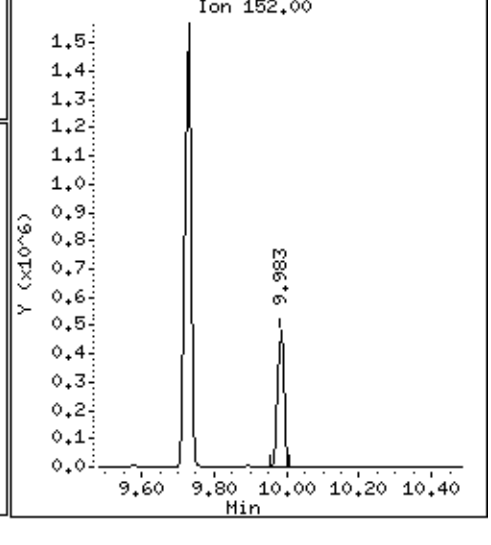


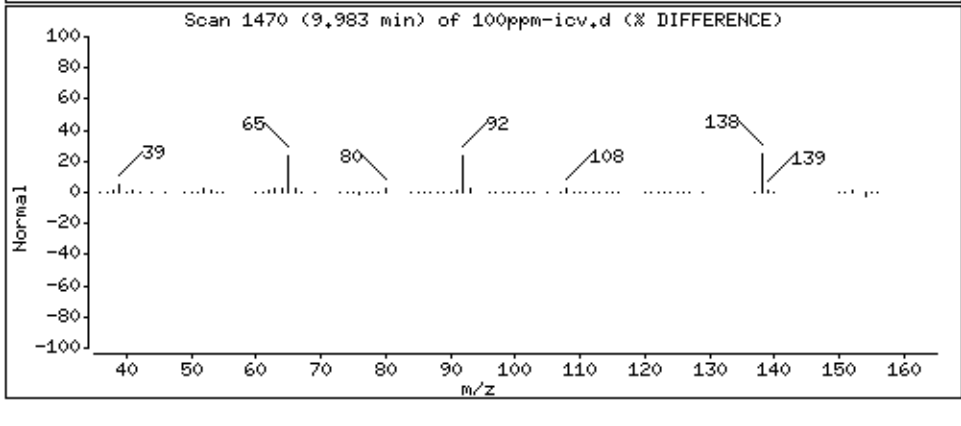












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

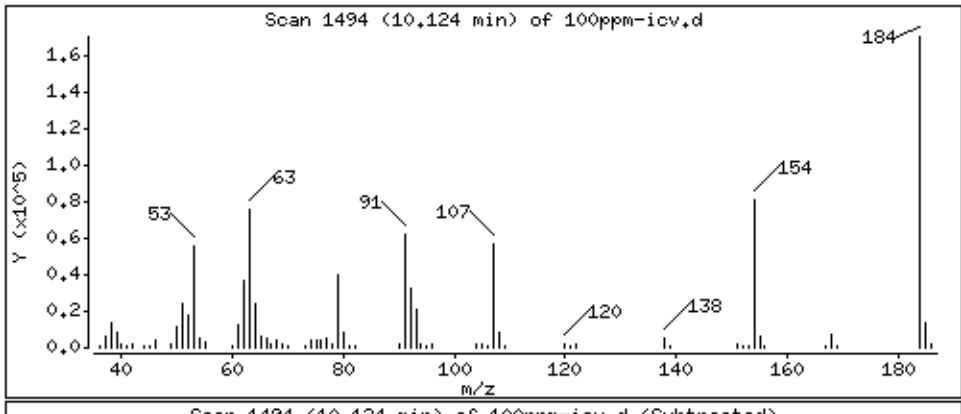
Operator: SN

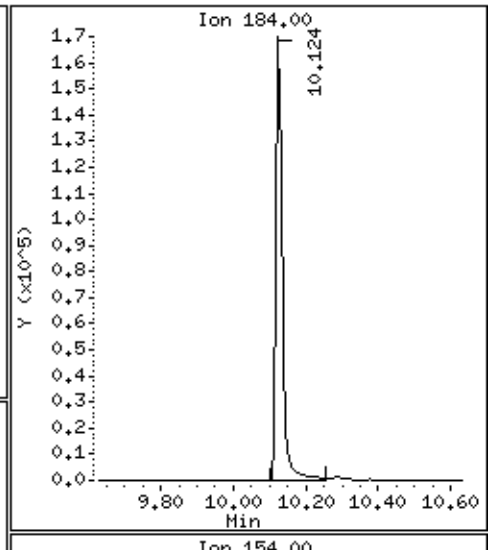
Column phase: .50um DB-5ms

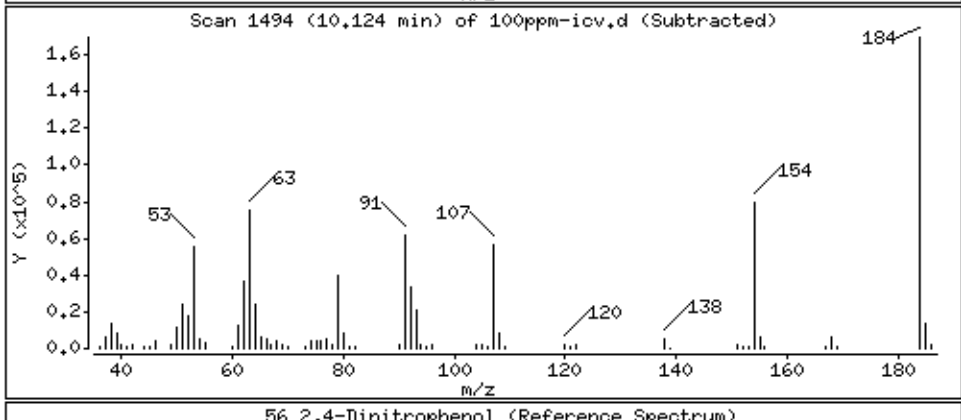
Column diameter: 0.25

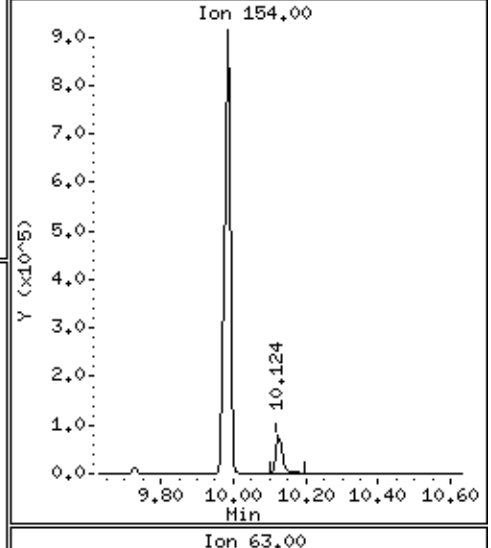
56 2,4-Dinitrophenol

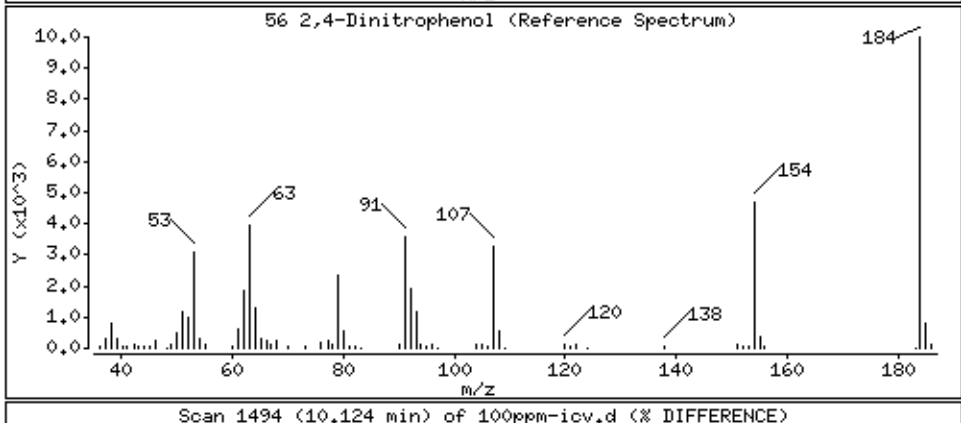
Concentration: 107.5 ug/L

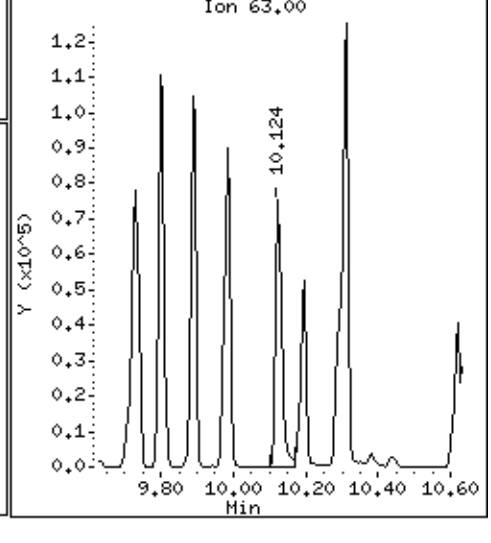


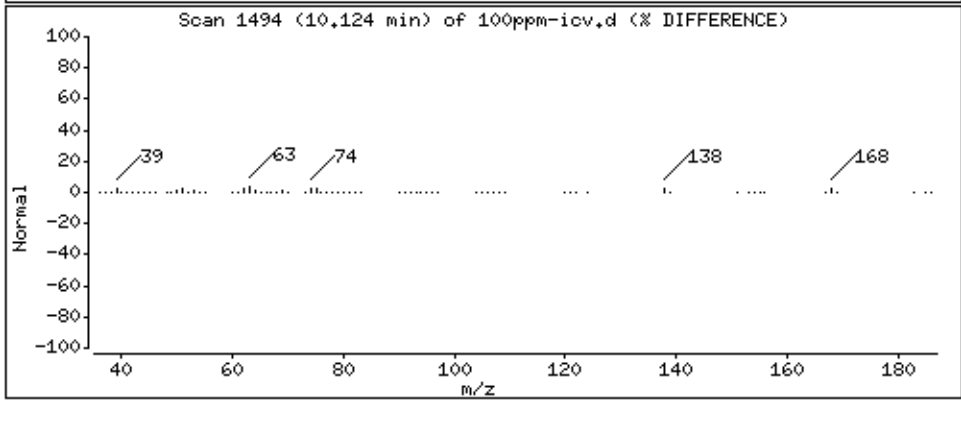












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

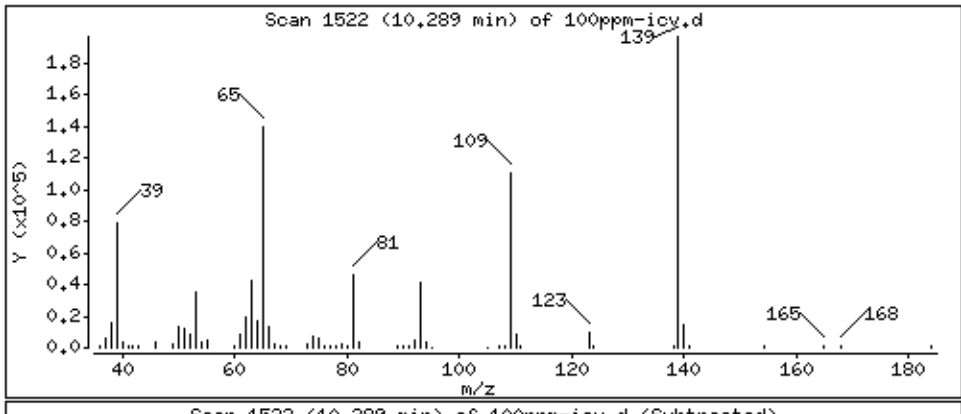
Operator: SN

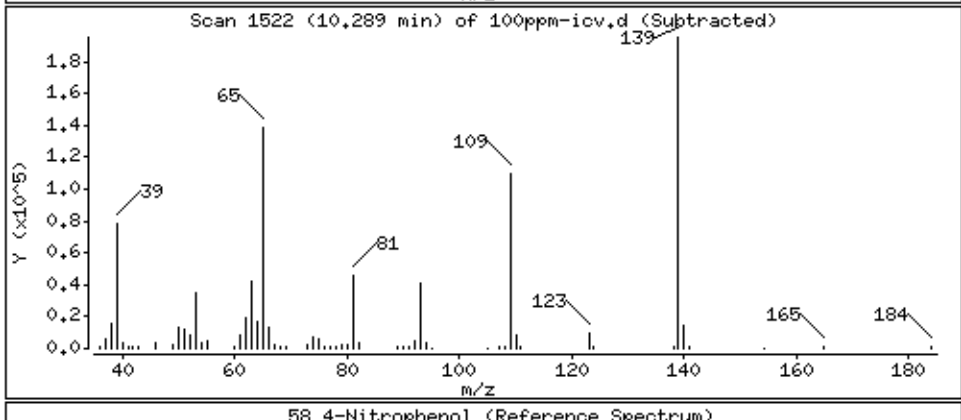
Column phase: .50um DB-5ms

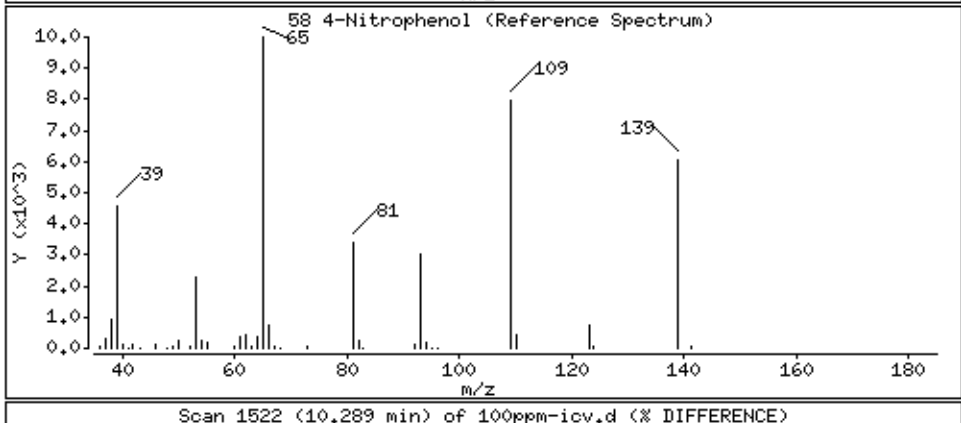
Column diameter: 0.25

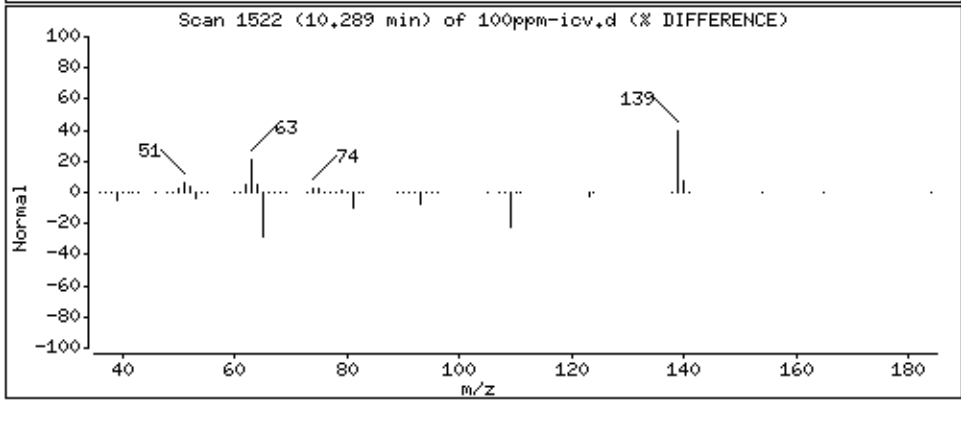
58 4-Nitrophenol

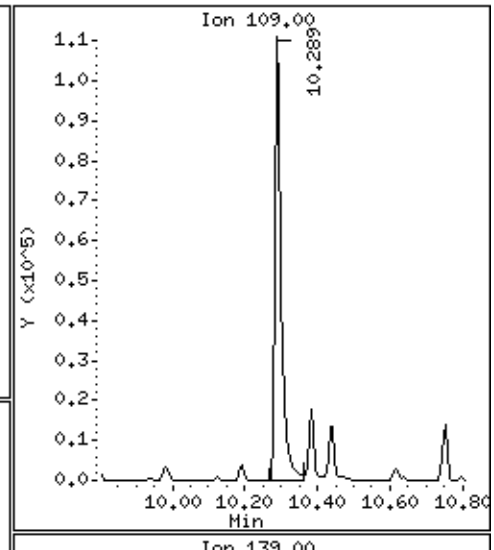
Concentration: 103.0 ug/L

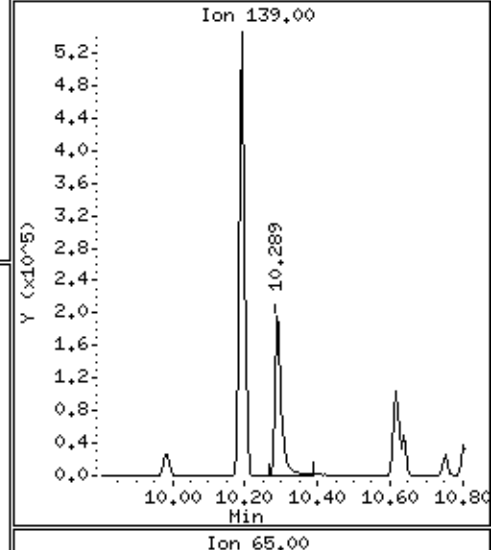


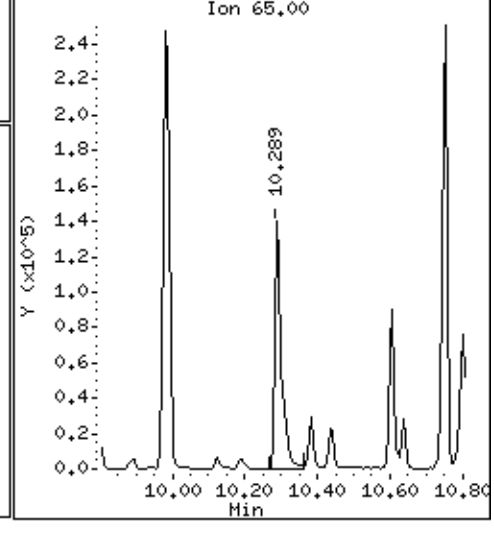












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

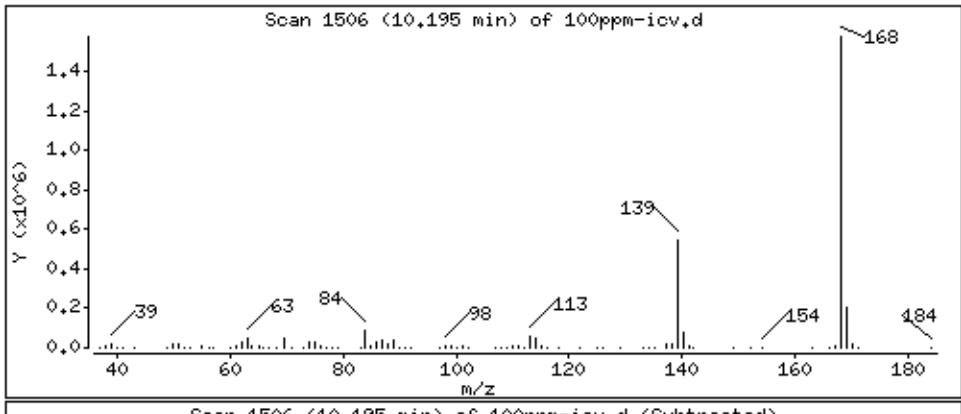
Operator: SN

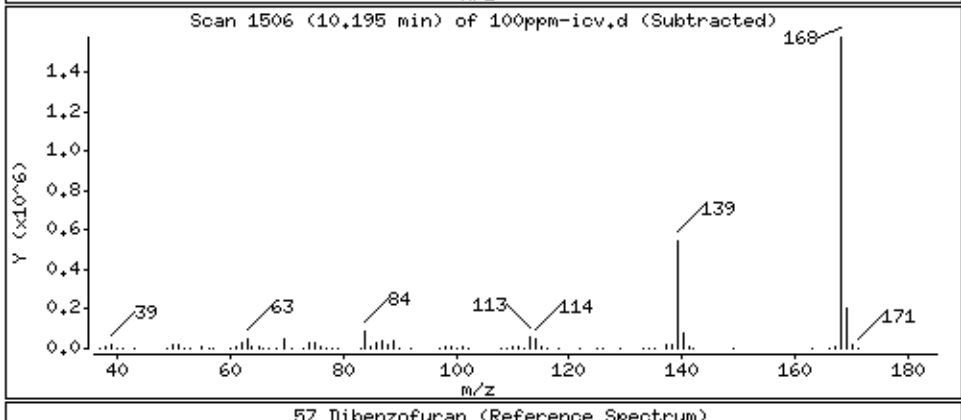
Column phase: .50um DB-5ms

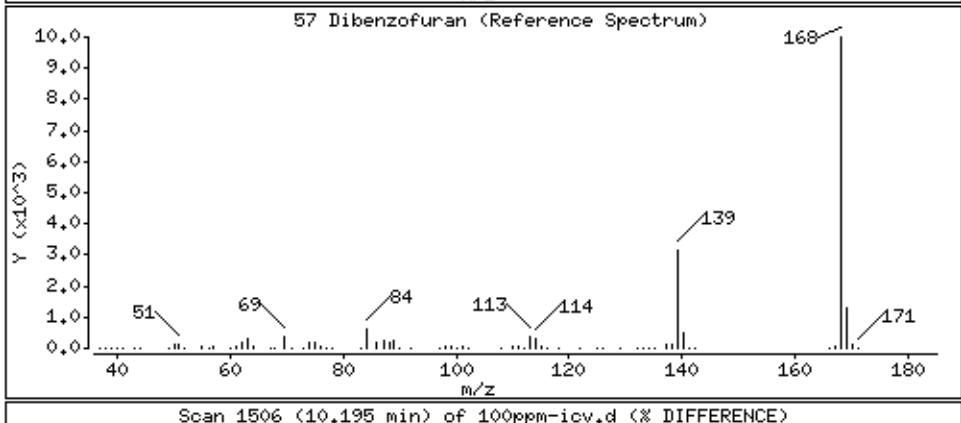
Column diameter: 0.25

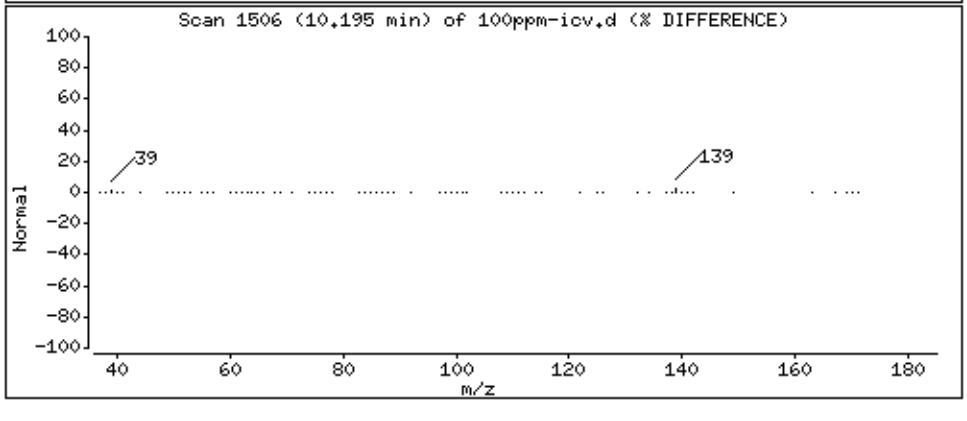
57 Dibenzofuran

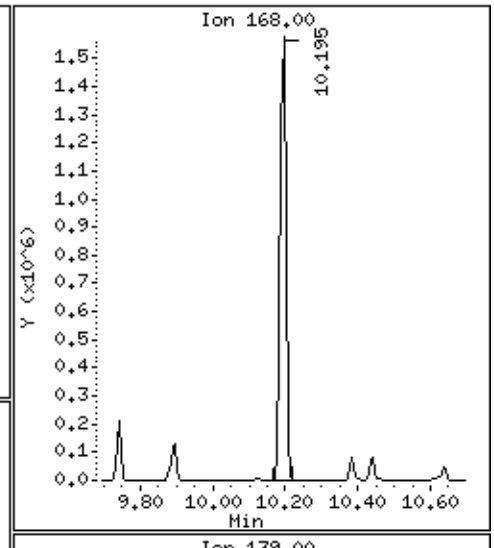
Concentration: 97.40 ug/L

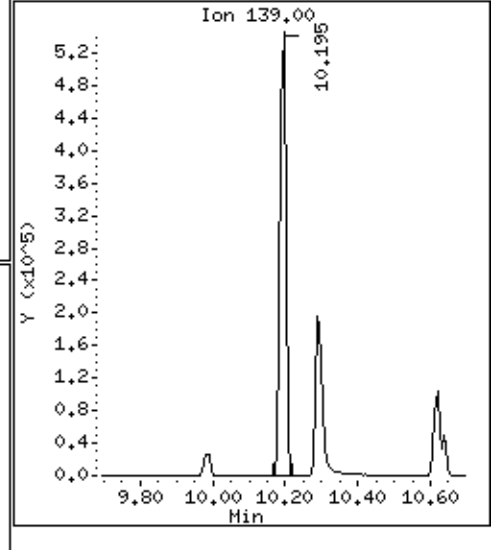












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

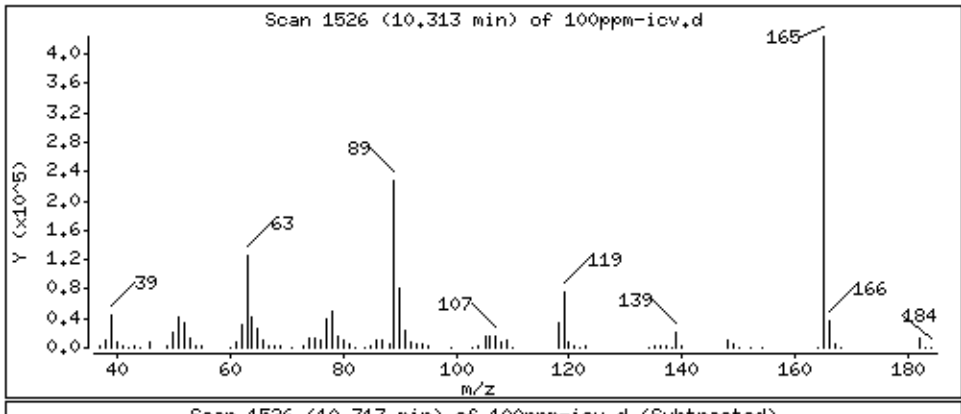
Operator: SN

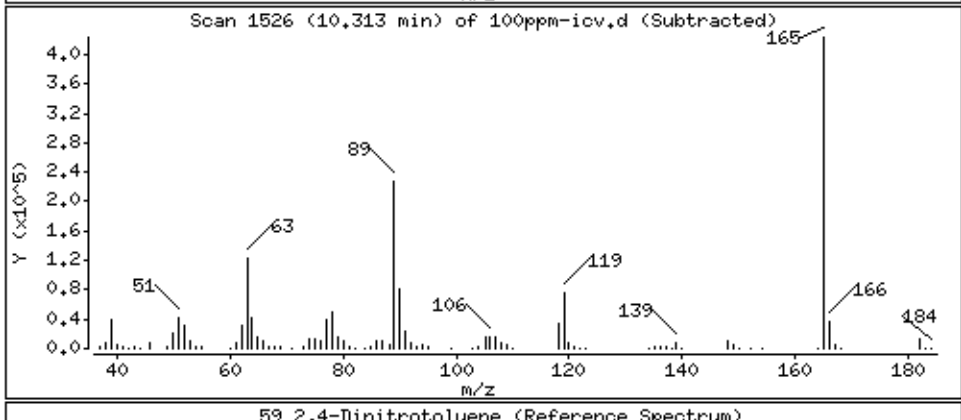
Column phase: .50um DB-5ms

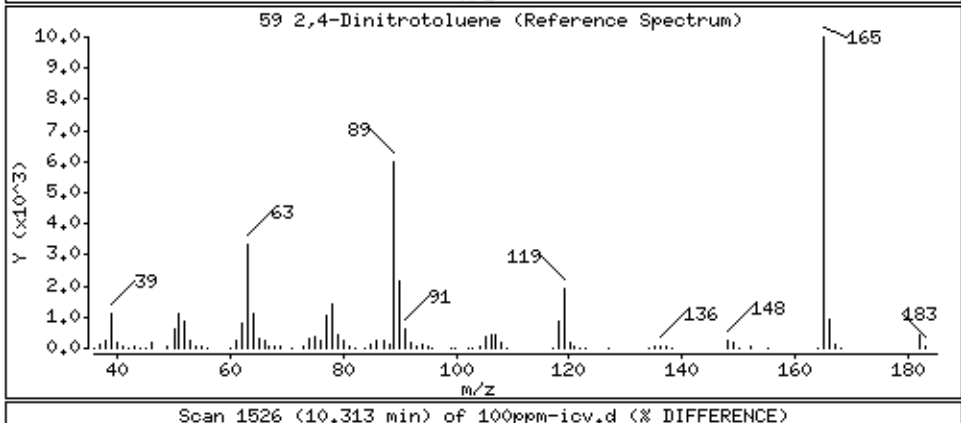
Column diameter: 0.25

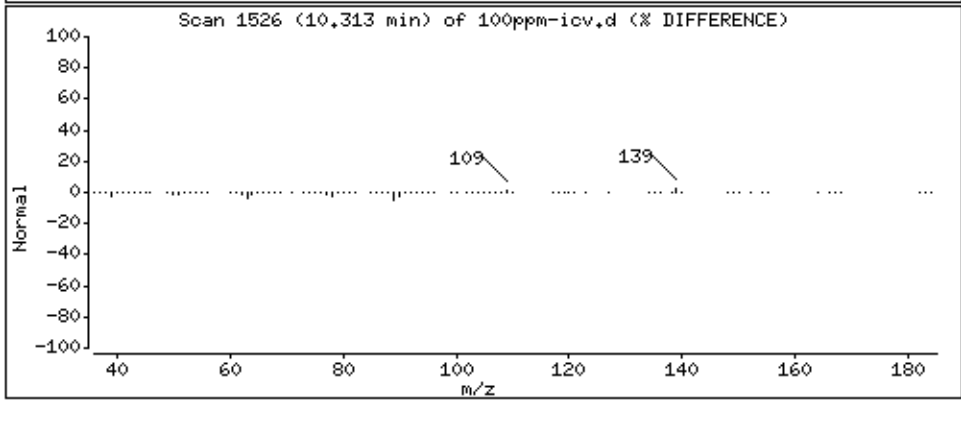
59 2,4-Dinitrotoluene

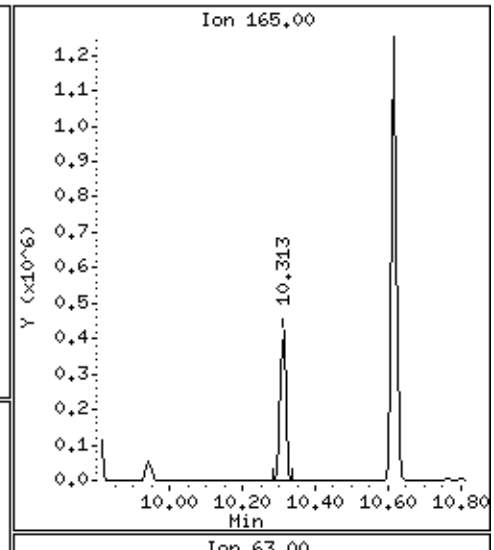
Concentration: 107.0 ug/L

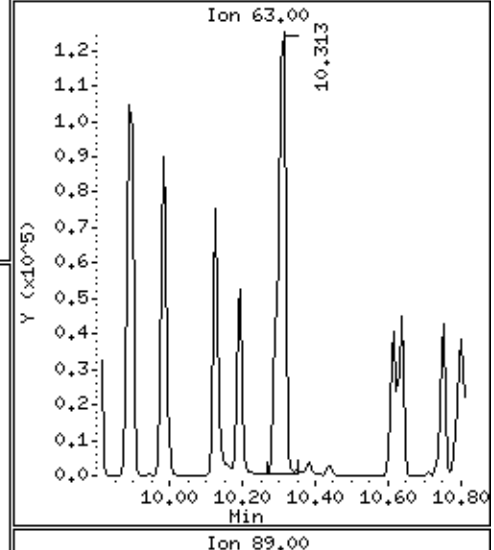


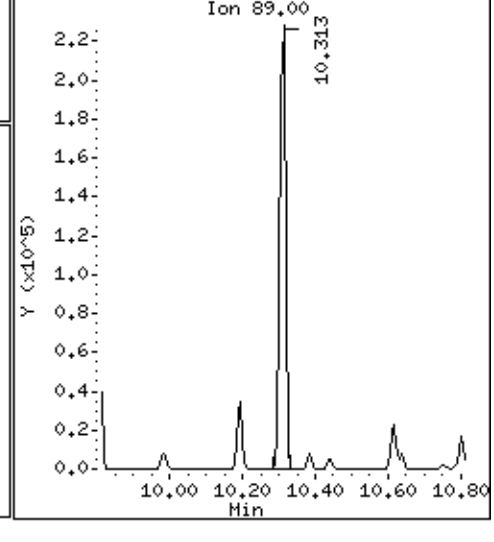












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

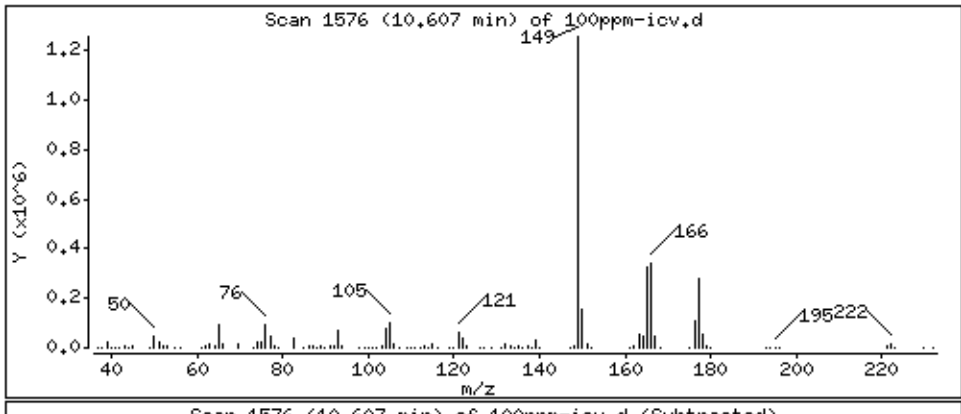
Operator: SN

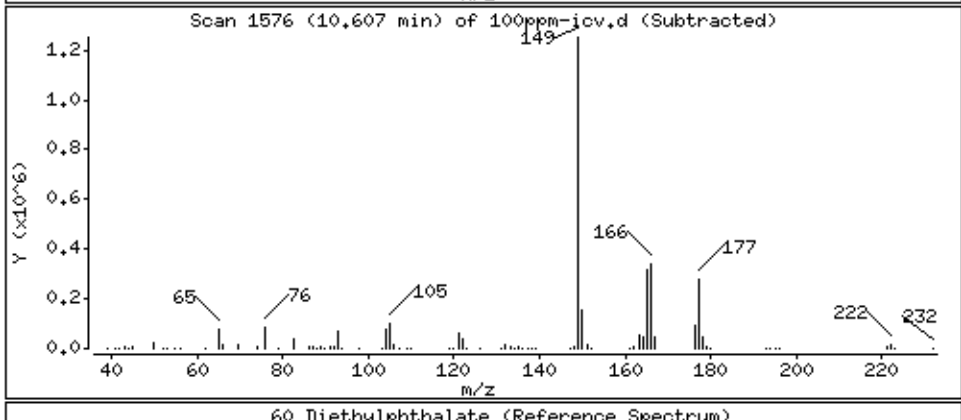
Column phase: .50um DB-5ms

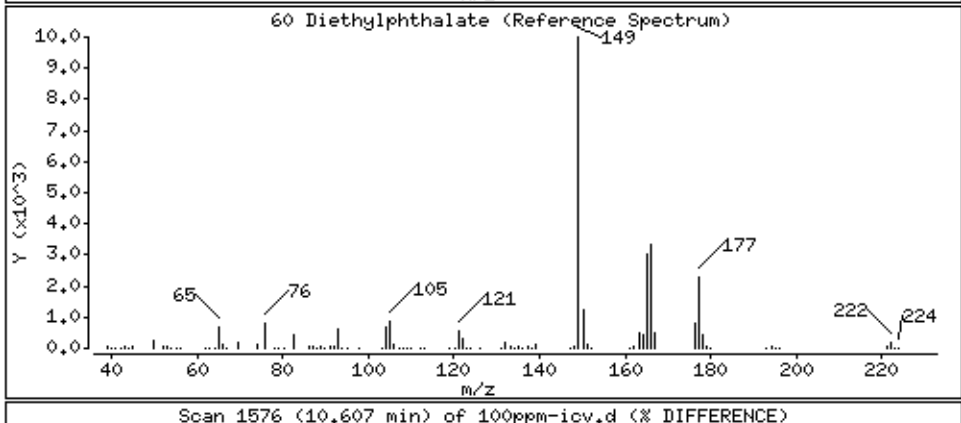
Column diameter: 0.25

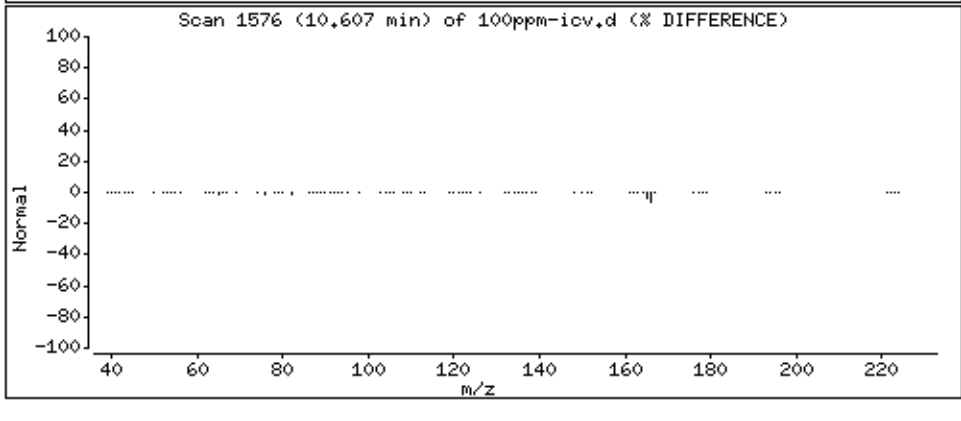
60 Diethylphthalate

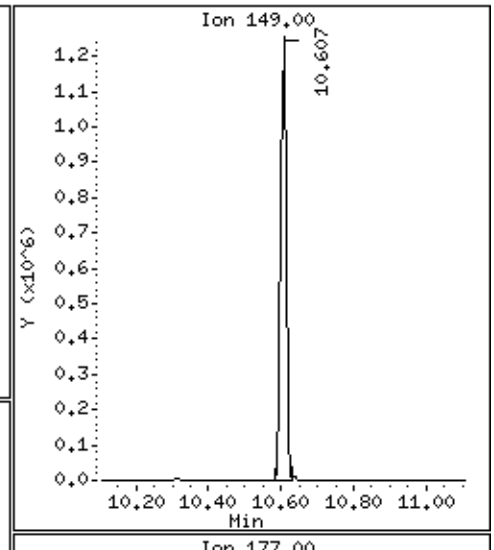
Concentration: 112.8 ug/L

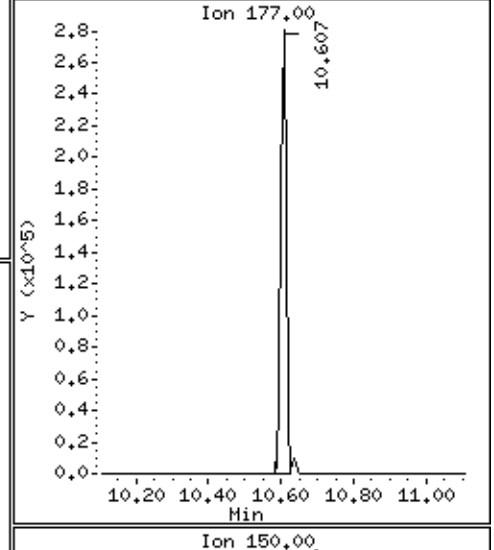


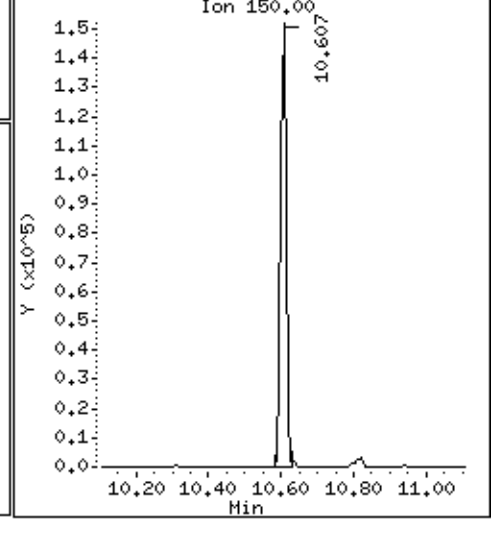












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

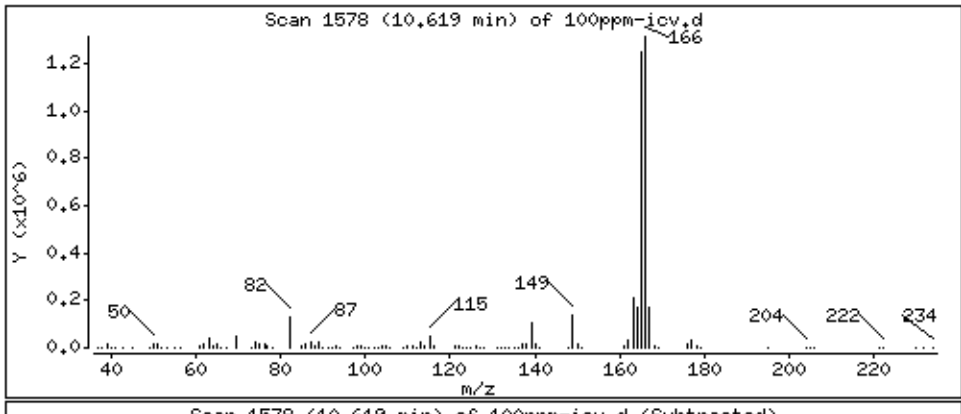
Operator: SN

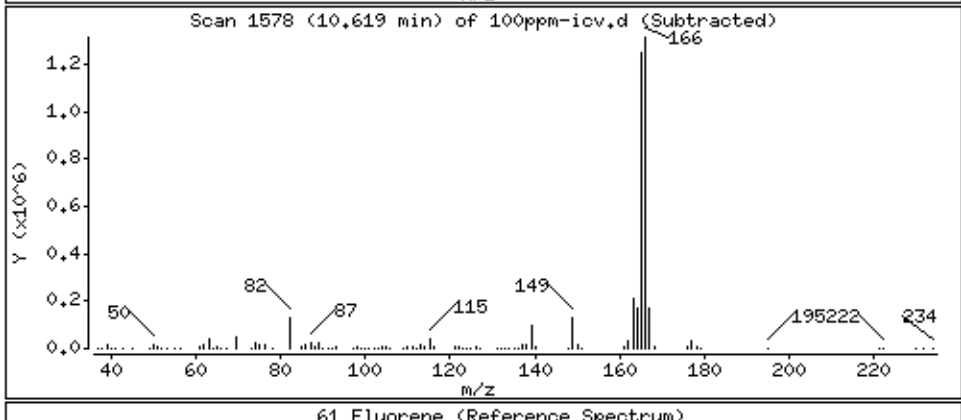
Column phase: .50um DB-5ms

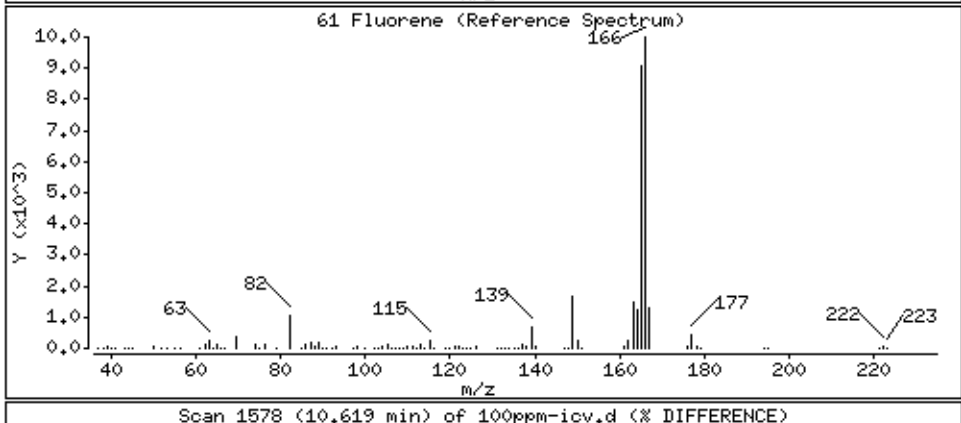
Column diameter: 0.25

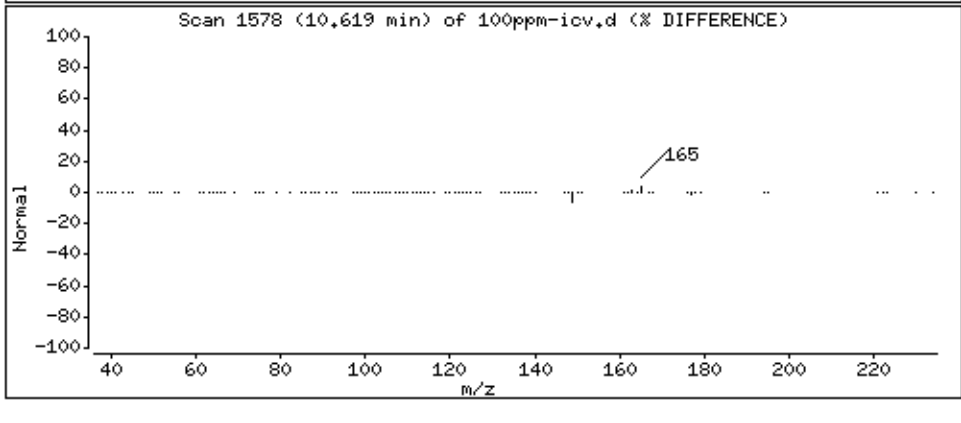
61 Fluorene

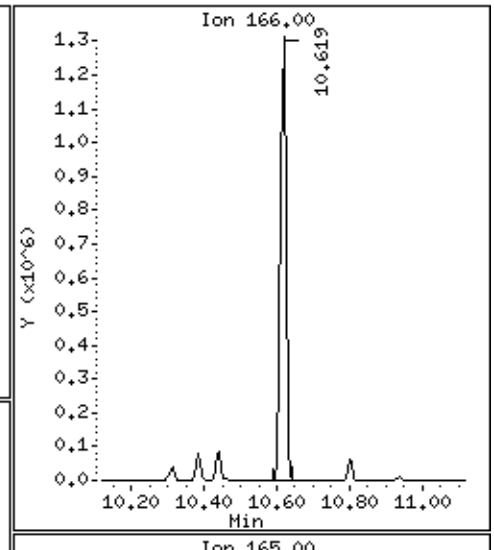
Concentration: 109.6 ug/L

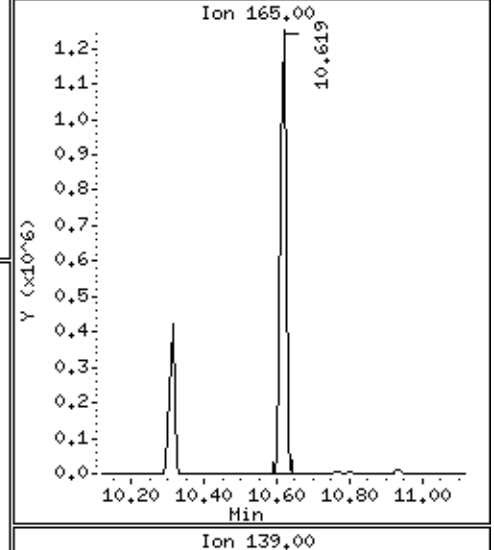


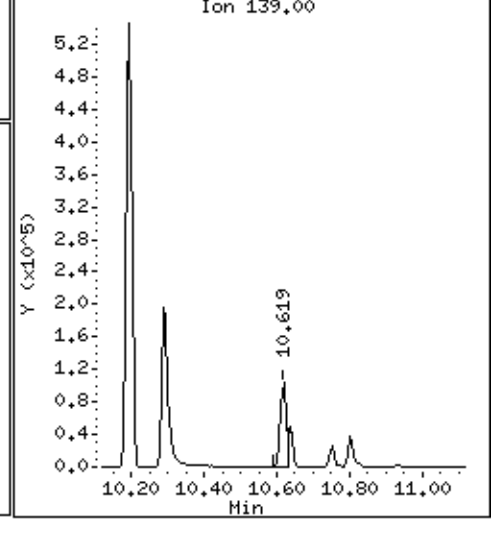












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

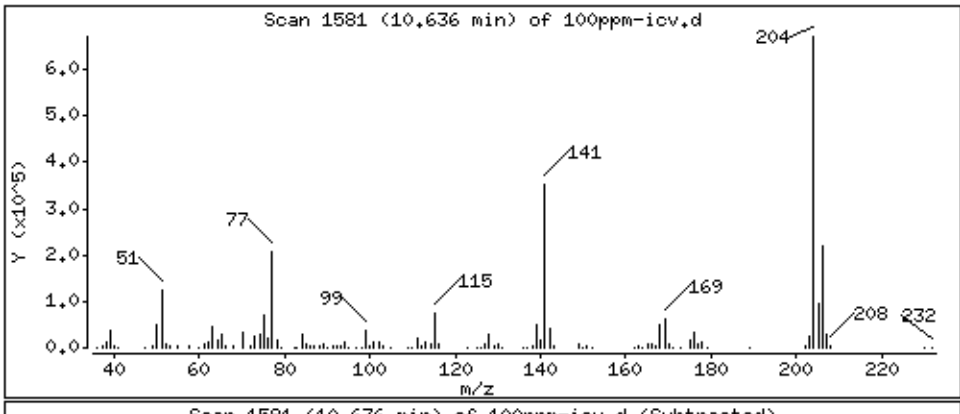
Operator: SN

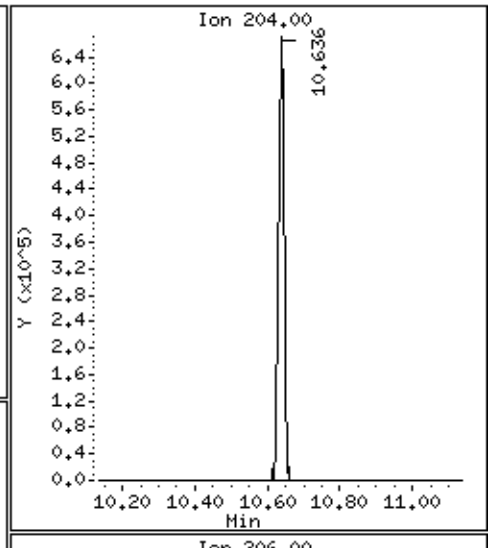
Column phase: .50um DB-5ms

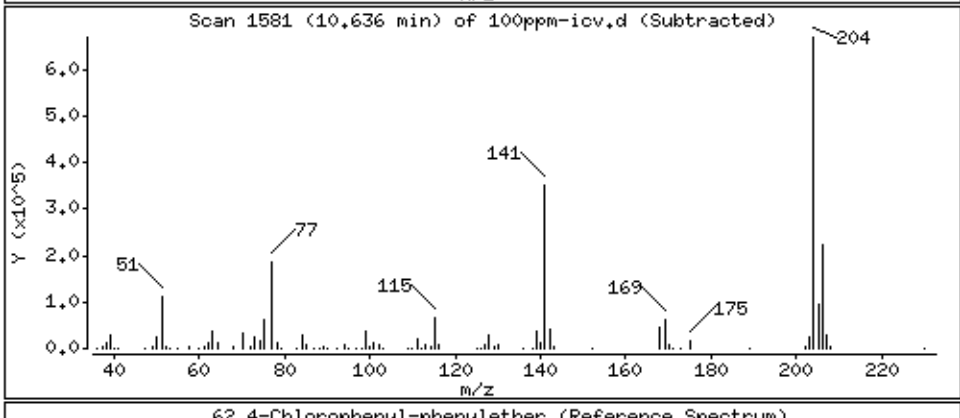
Column diameter: 0.25

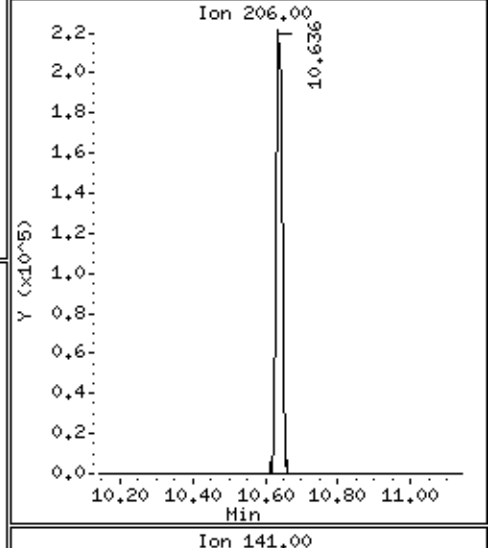
62 4-Chlorophenyl-phenylether

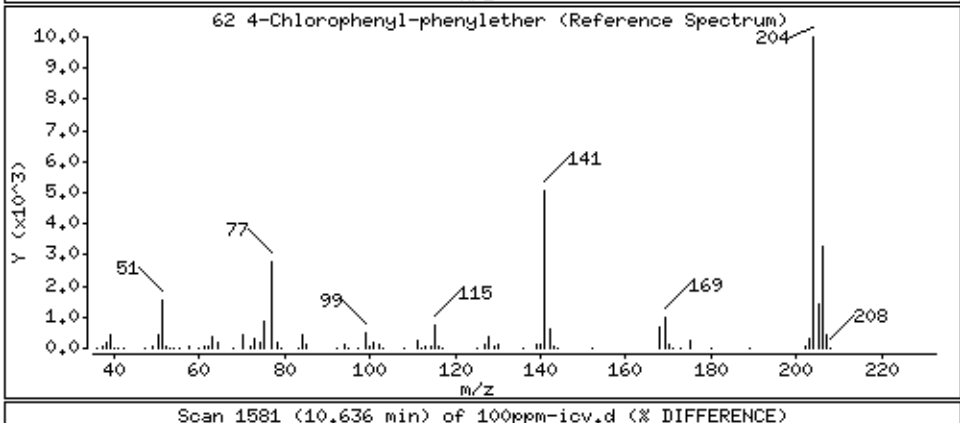
Concentration: 98.42 ug/L

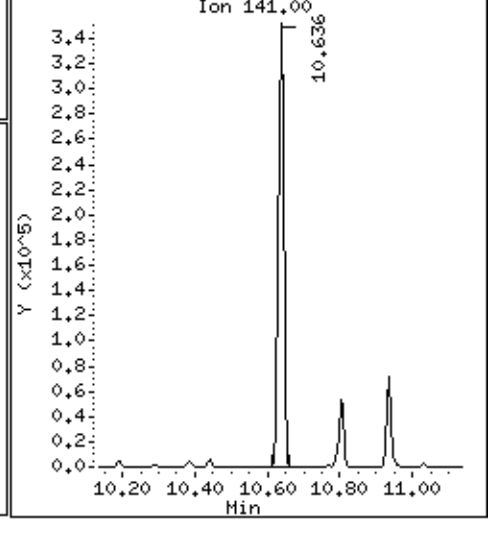


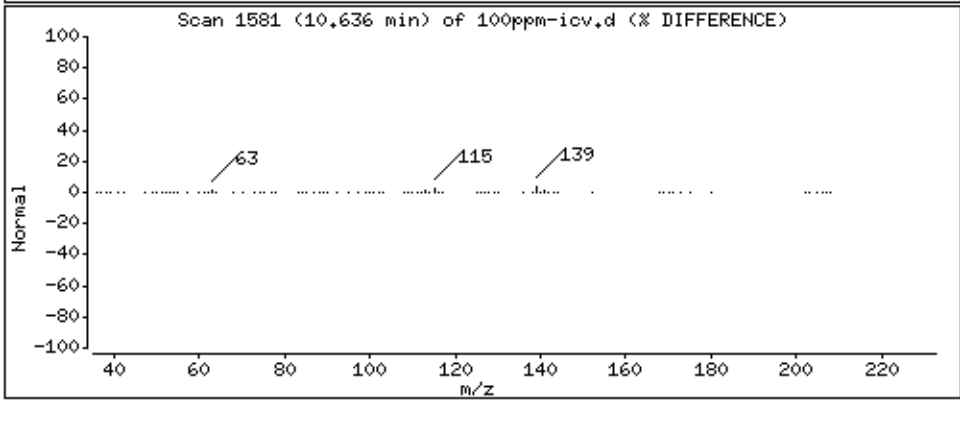












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

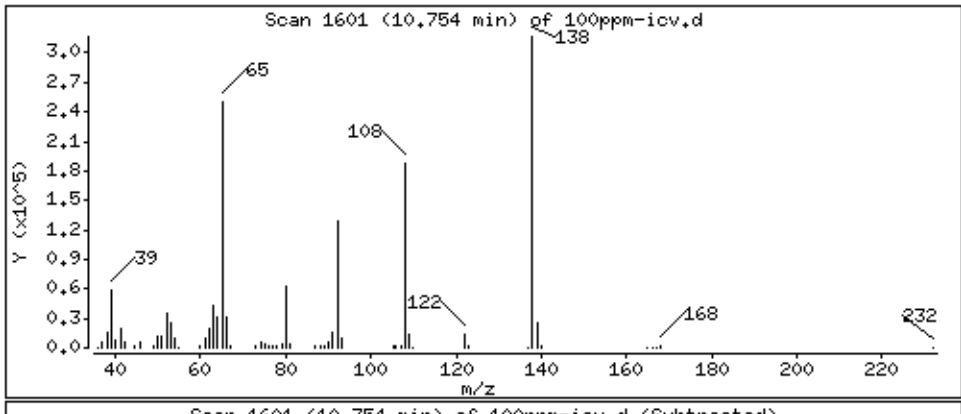
Operator: SN

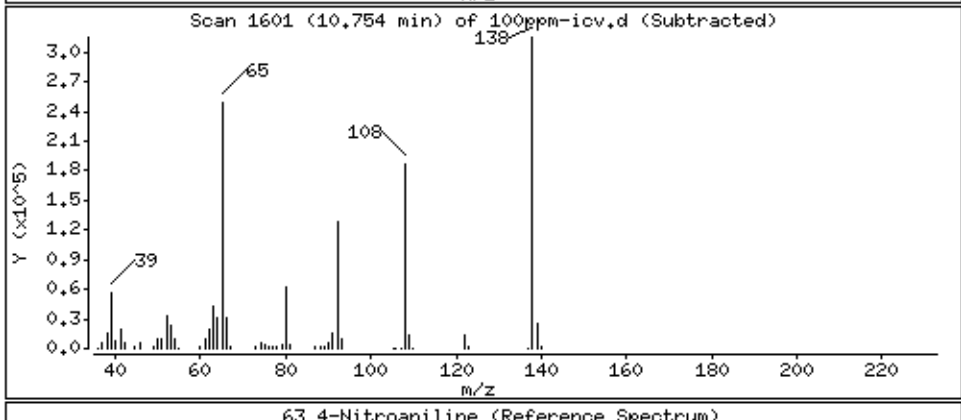
Column phase: .50um DB-5ms

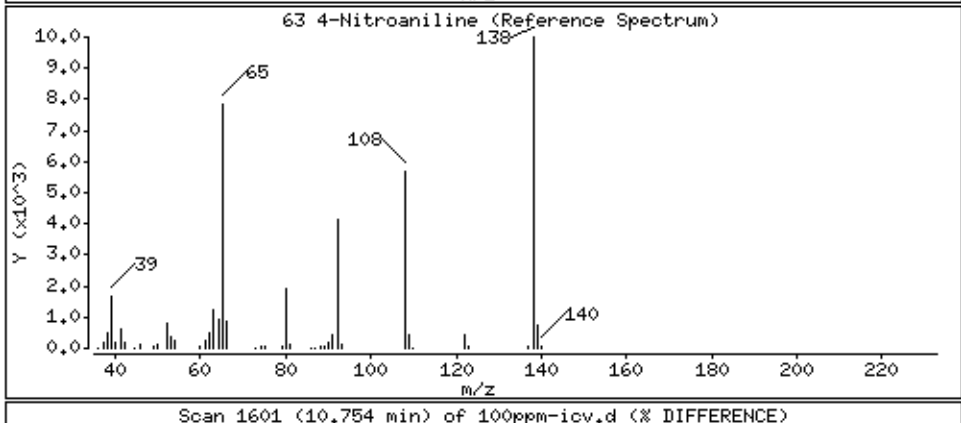
Column diameter: 0.25

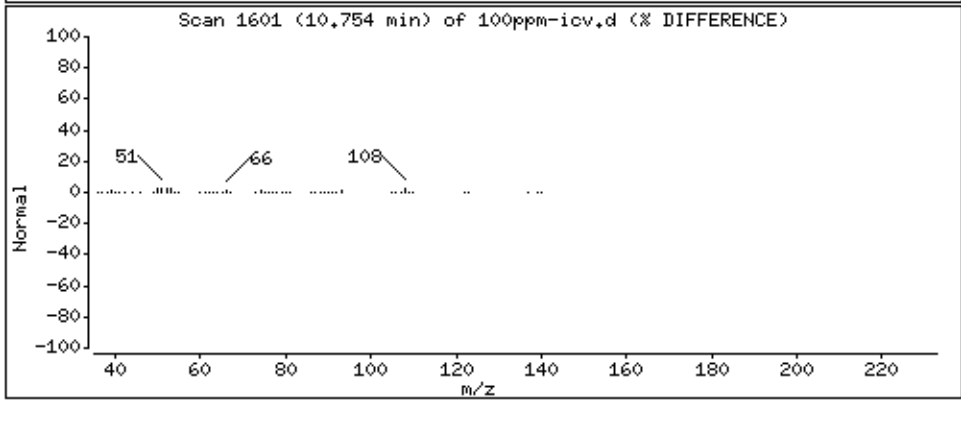
63 4-Nitroaniline

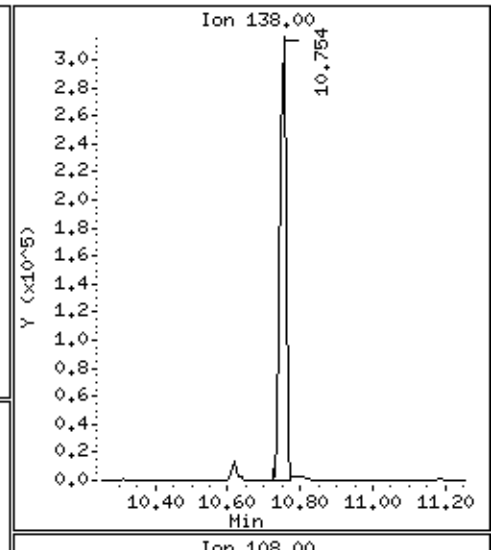
Concentration: 105.5 ug/L

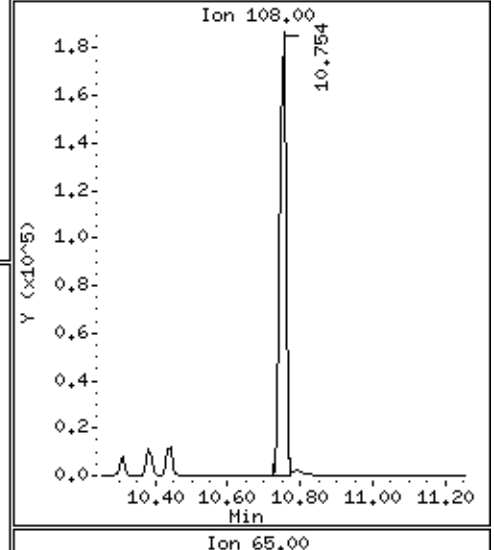


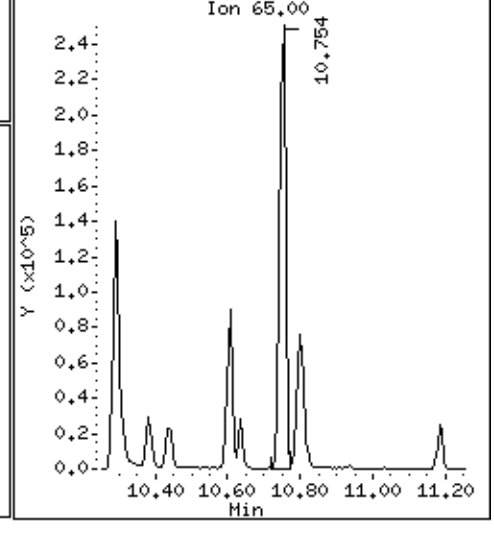












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

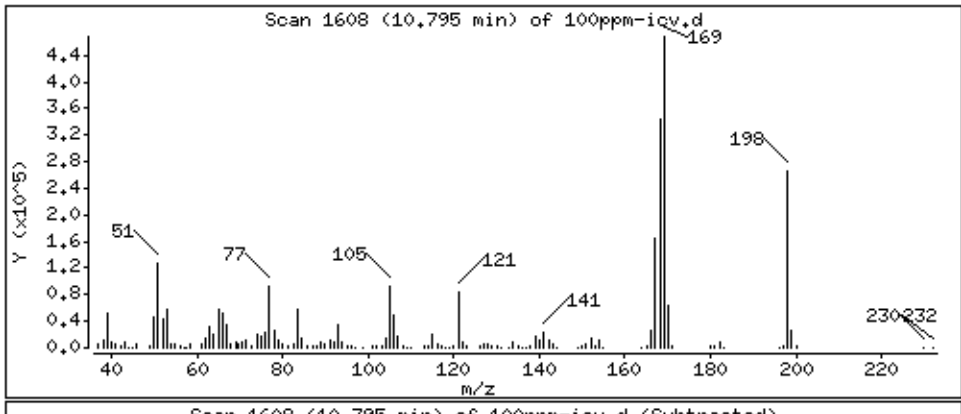
Operator: SN

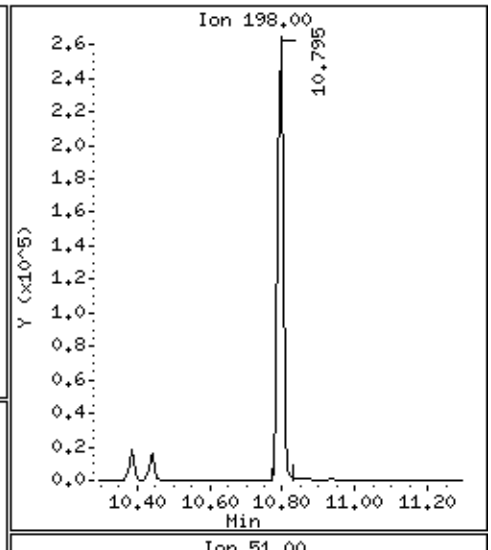
Column phase: .50um DB-5ms

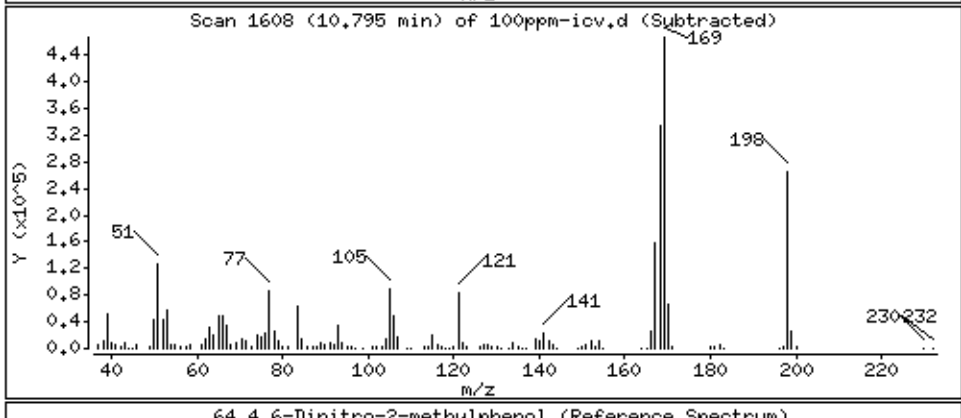
Column diameter: 0.25

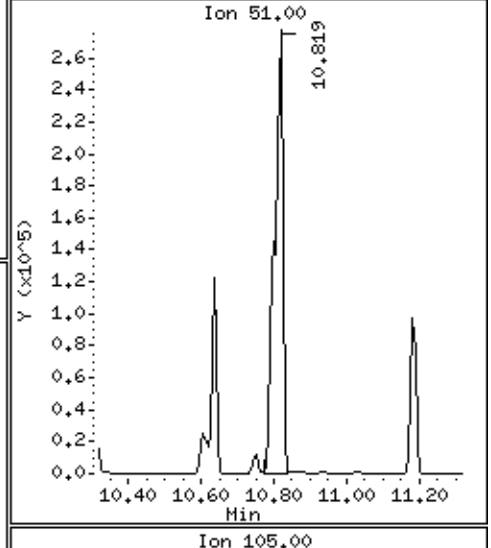
64 4,6-Dinitro-2-methylphenol

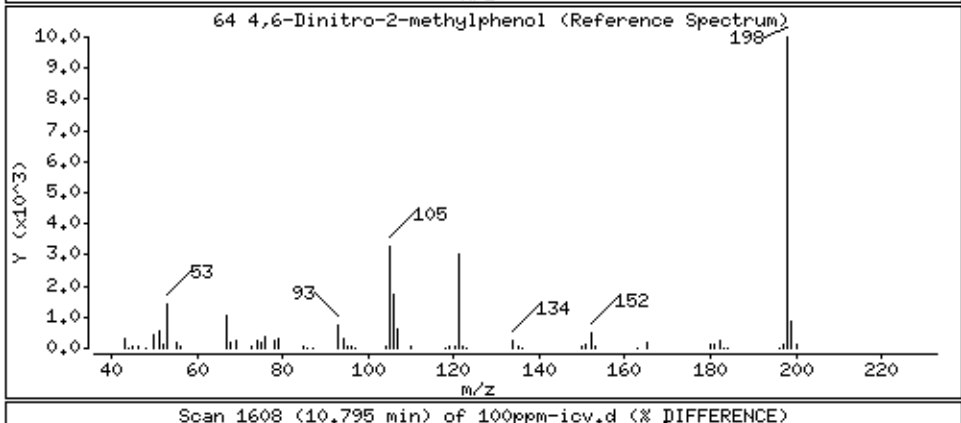
Concentration: 115.5 ug/L

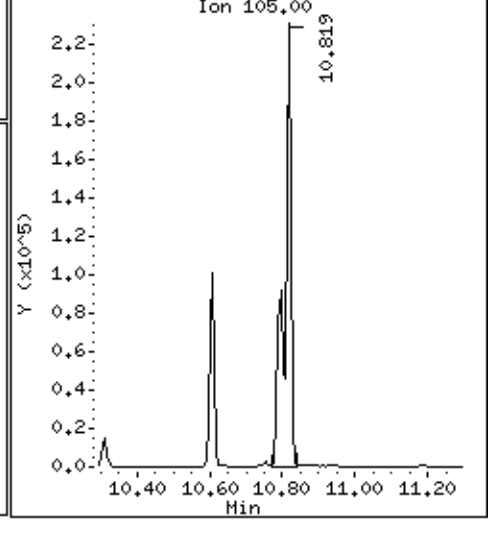


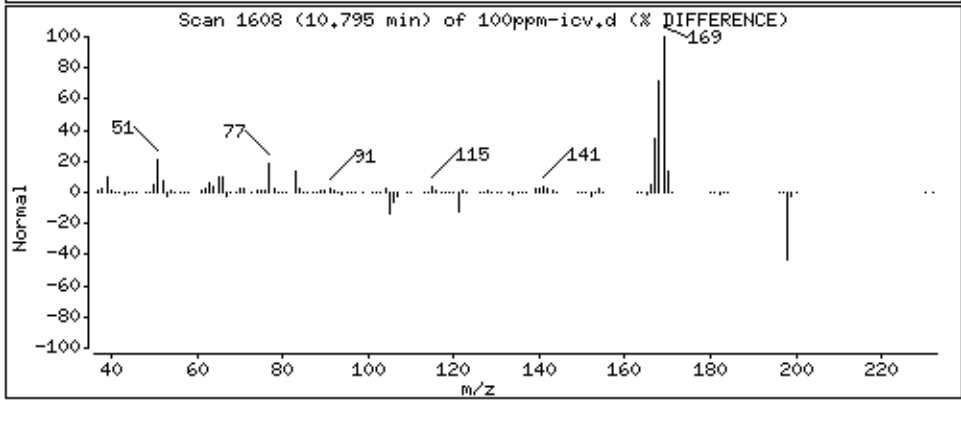












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

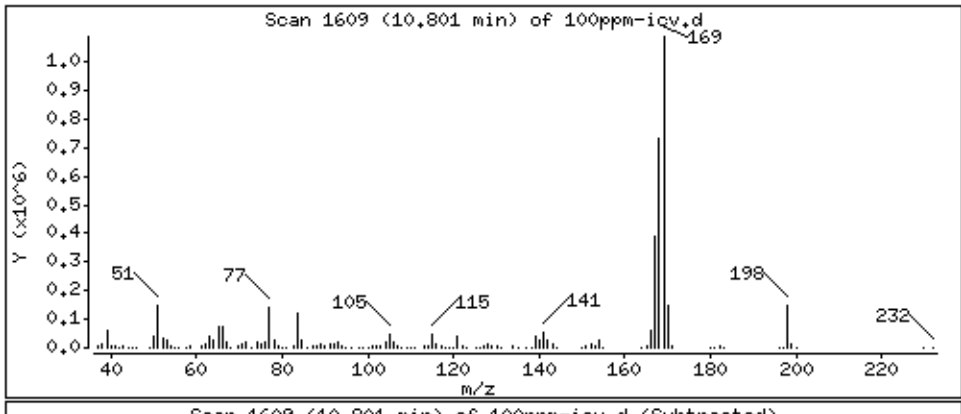
Operator: SN

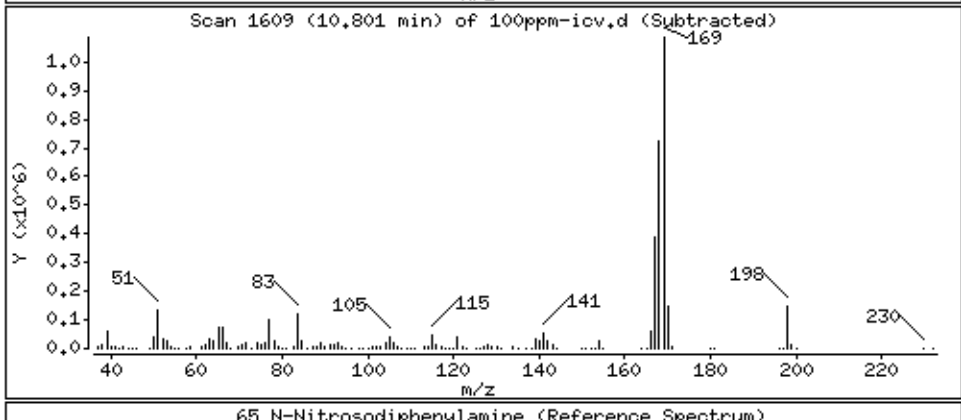
Column phase: .50um DB-5ms

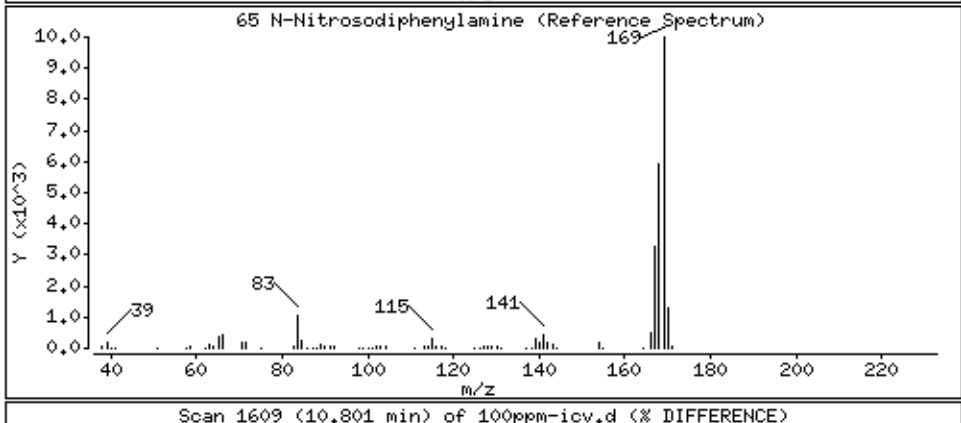
Column diameter: 0.25

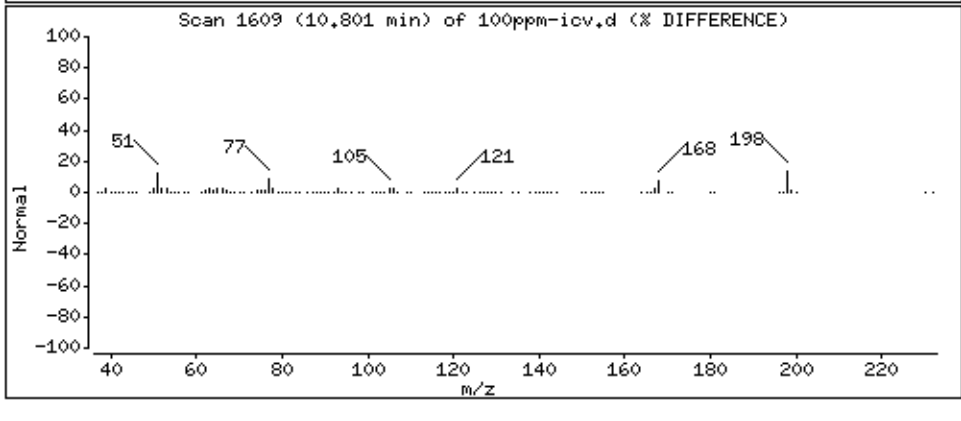
65 N-Nitrosodiphenylamine

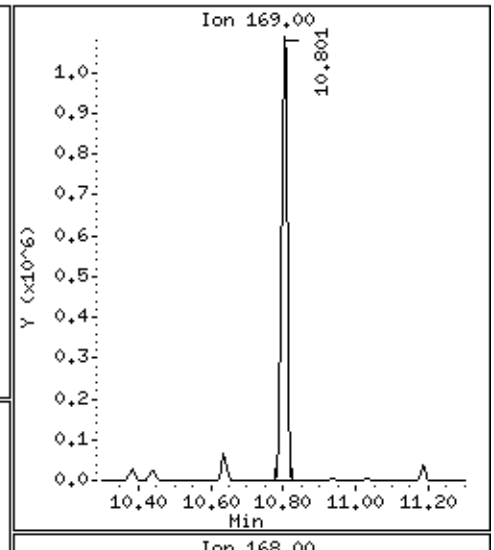
Concentration: 117.0 ug/L

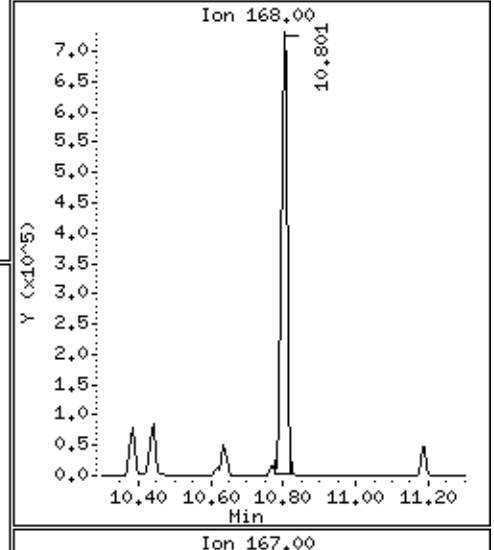


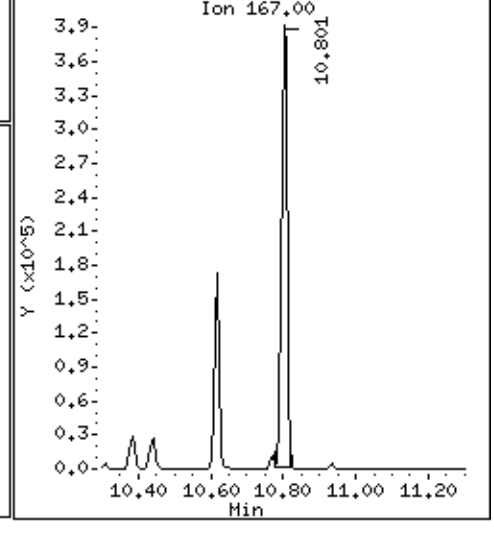












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

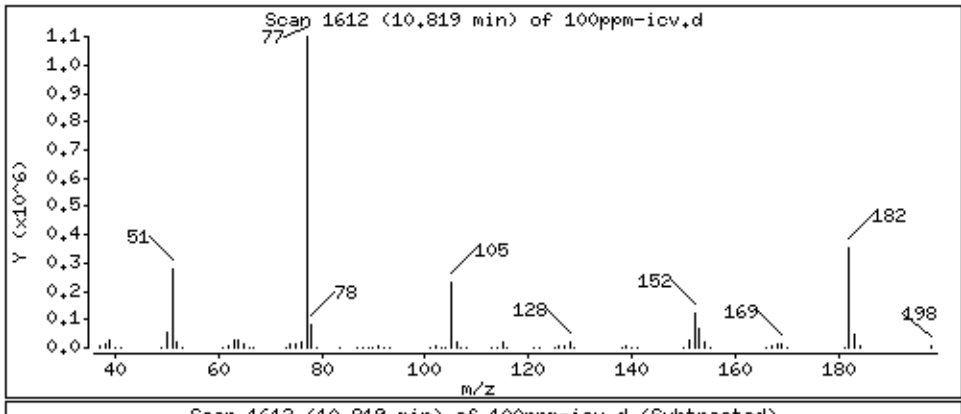
Operator: SN

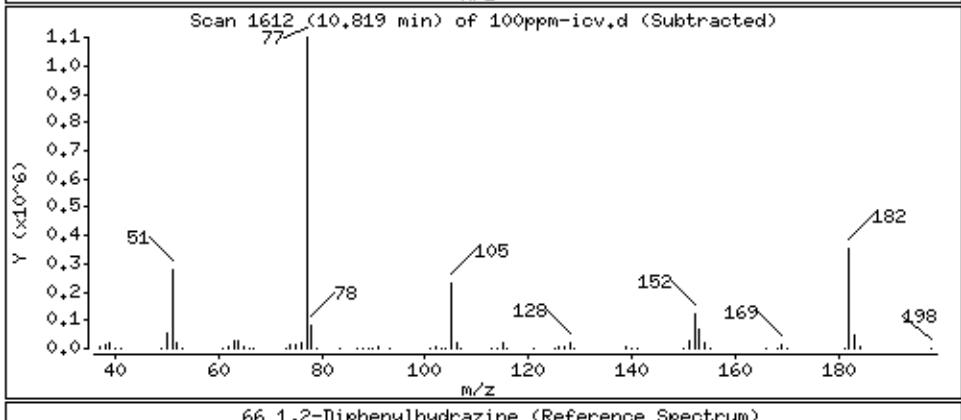
Column phase: .50um DB-5ms

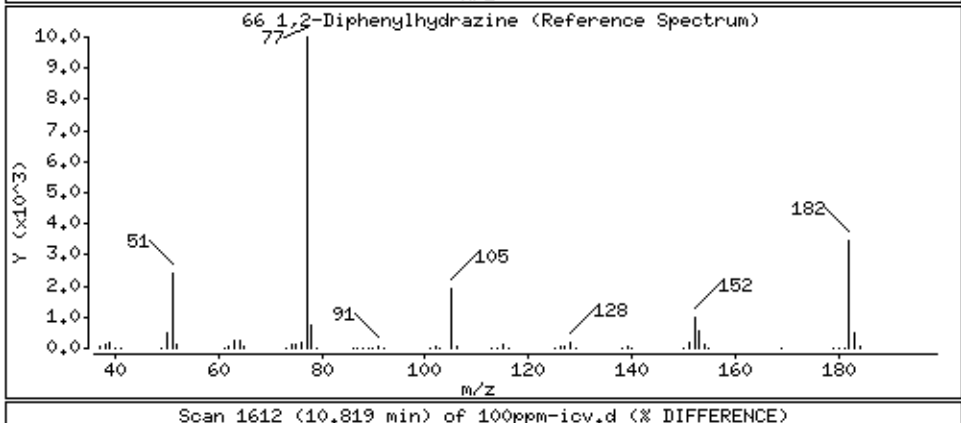
Column diameter: 0.25

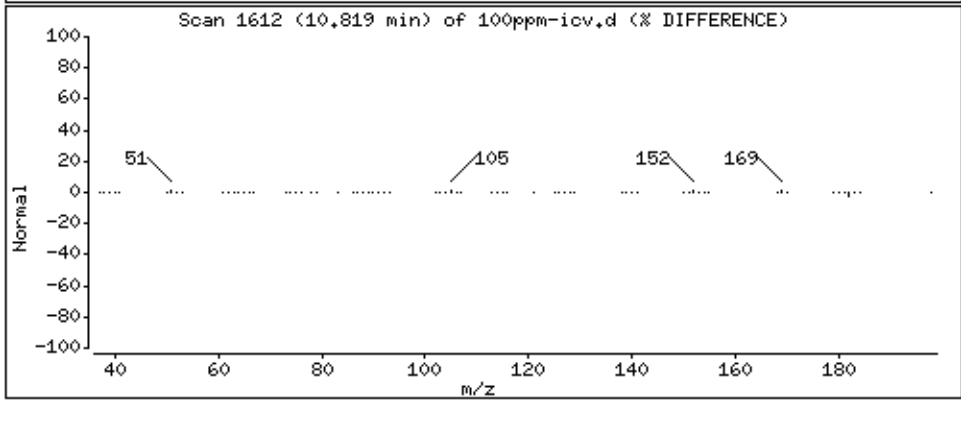
66 1,2-Diphenylhydrazine

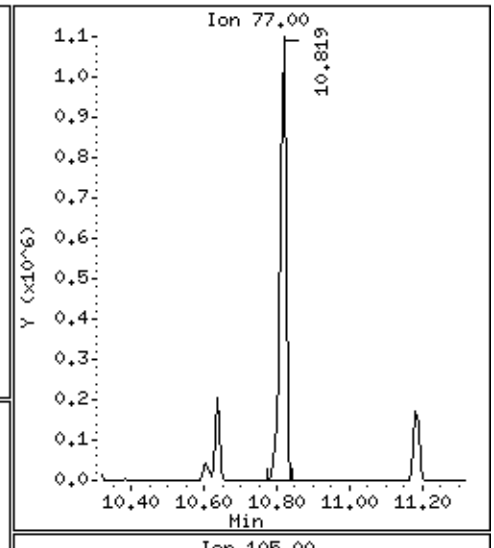
Concentration: 98.15 ug/L

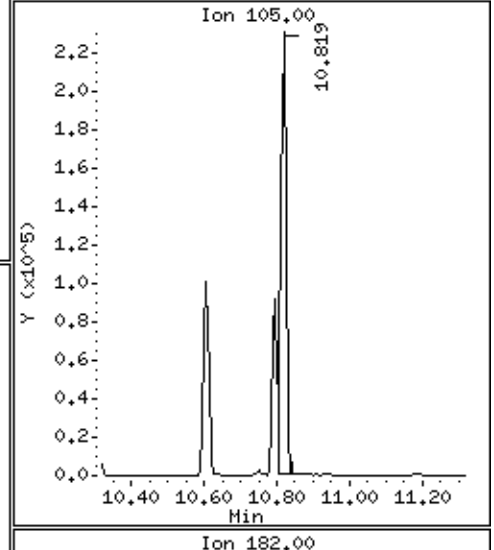


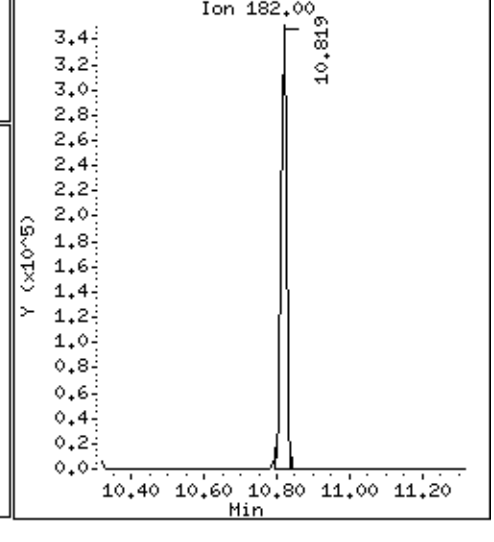












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

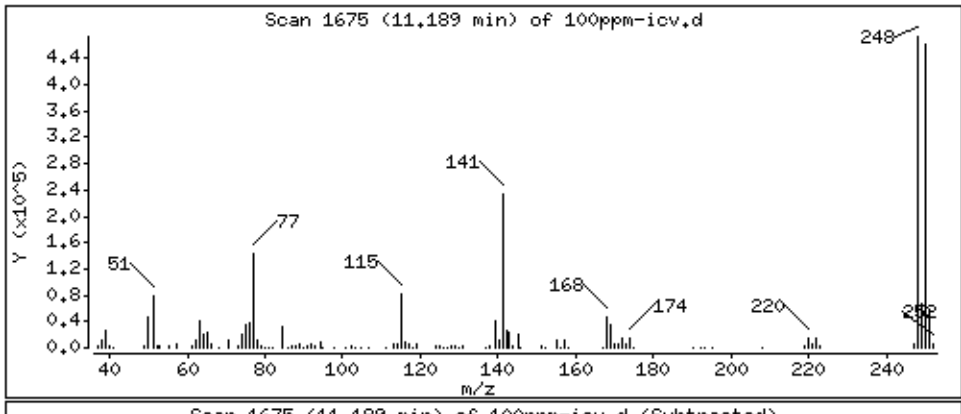
Operator: SN

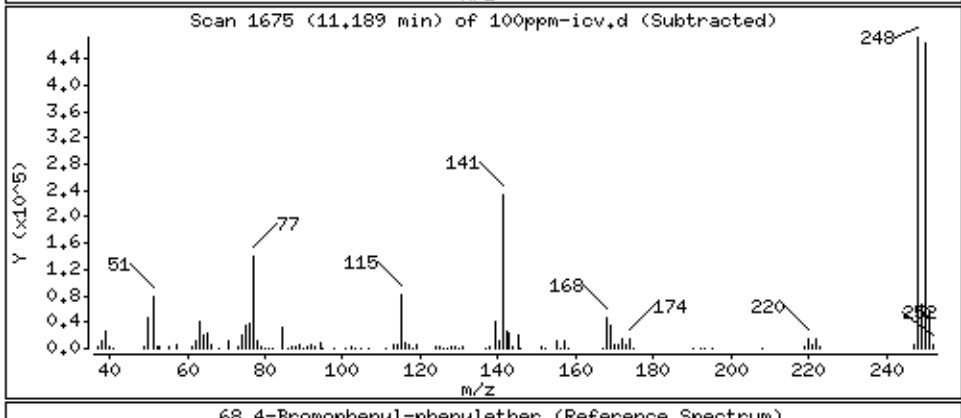
Column phase: .50um DB-5ms

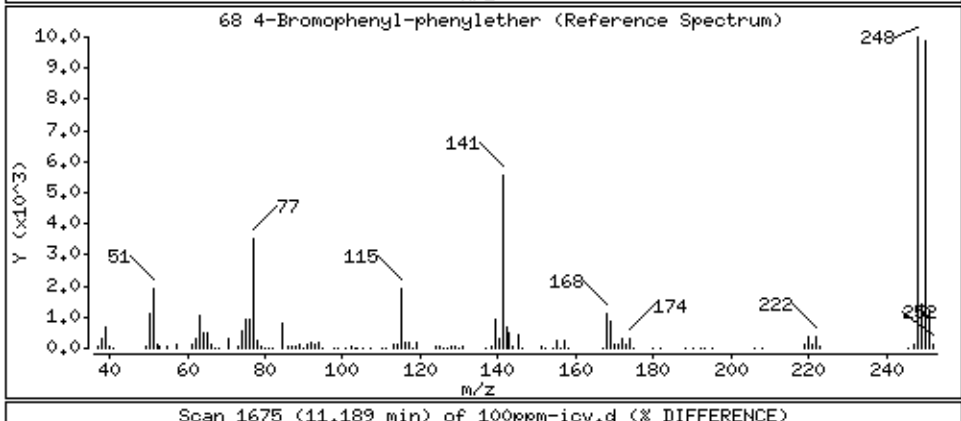
Column diameter: 0.25

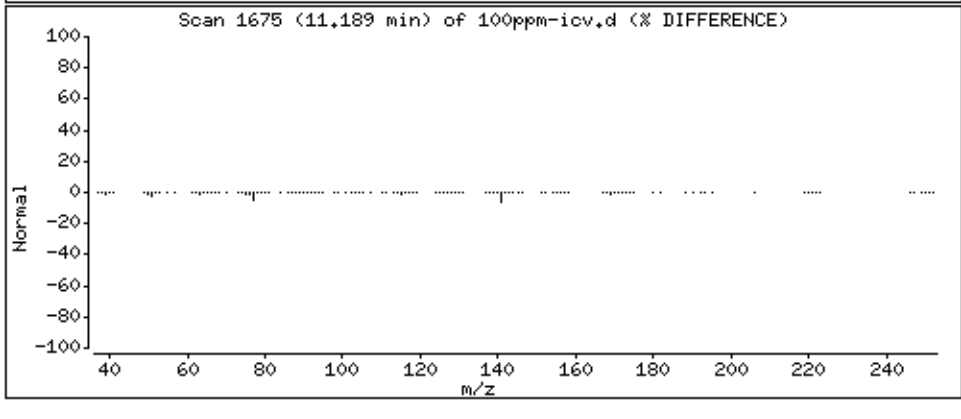
68 4-Bromophenyl-phenylether

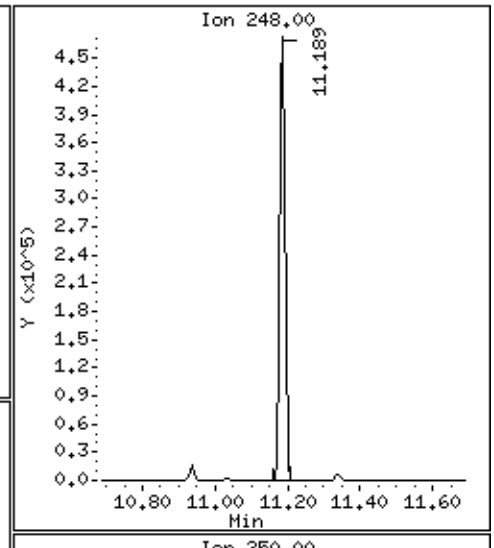
Concentration: 100.2 ug/L

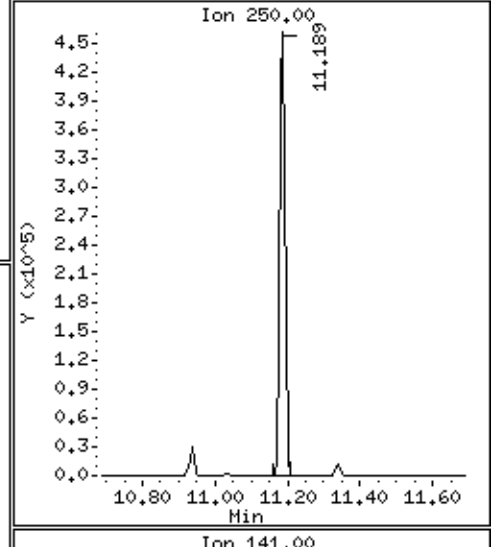


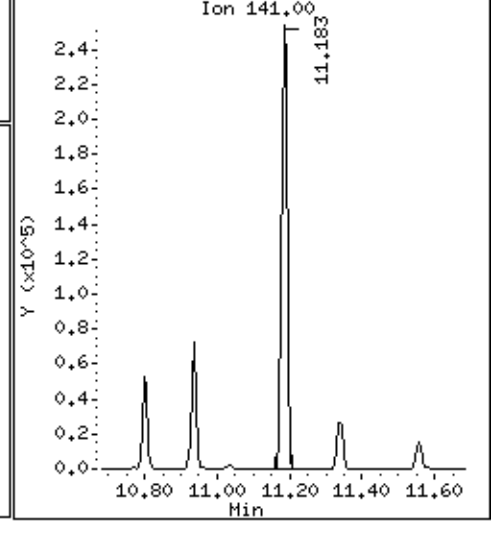












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

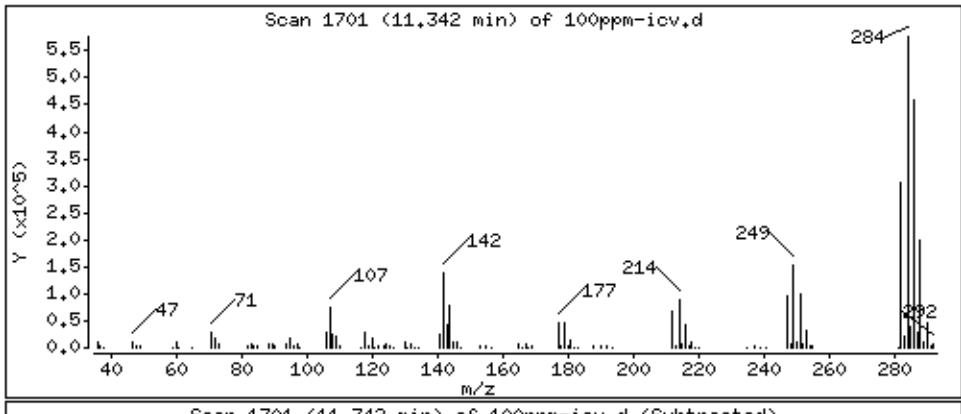
Operator: SN

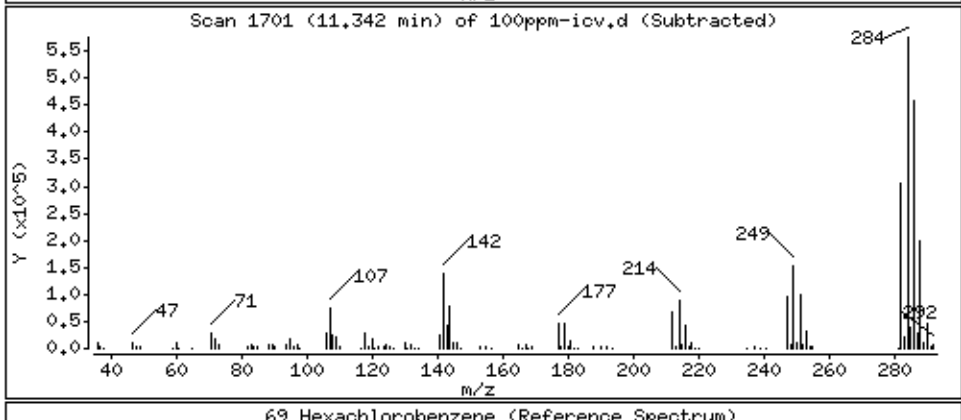
Column phase: .50um DB-5ms

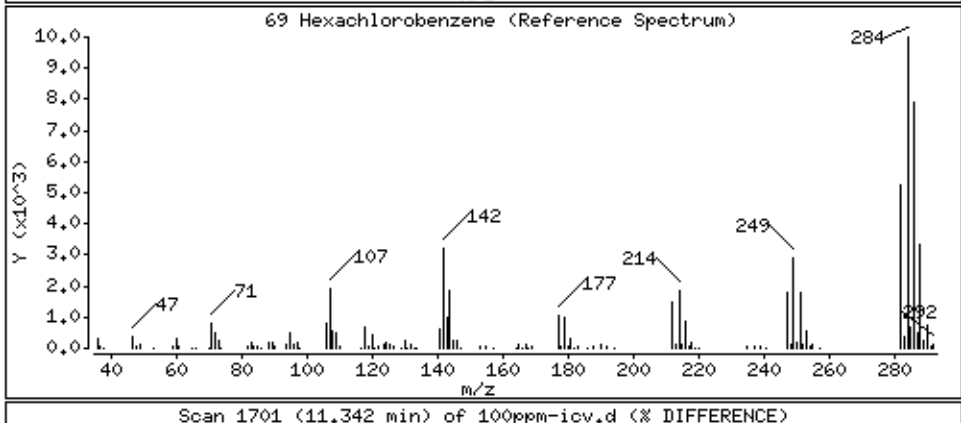
Column diameter: 0.25

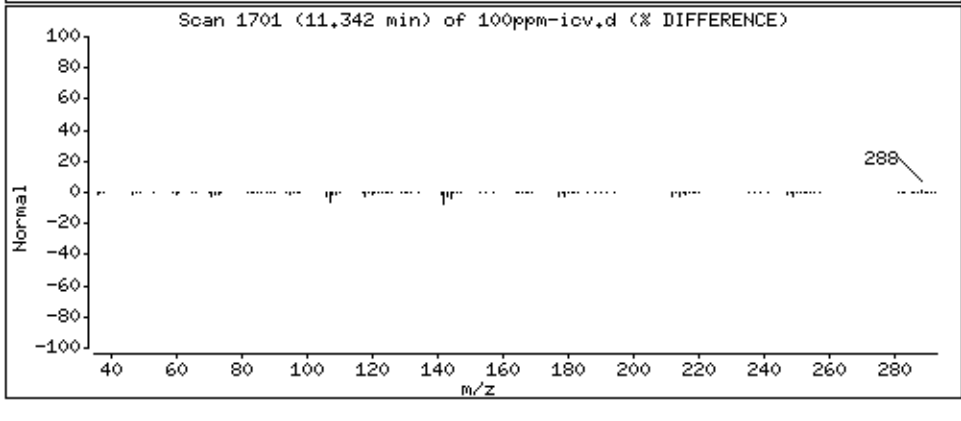
69 Hexachlorobenzene

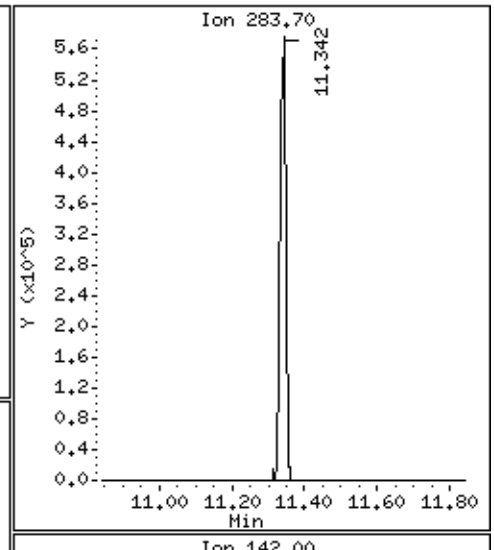
Concentration: 99.90 ug/L

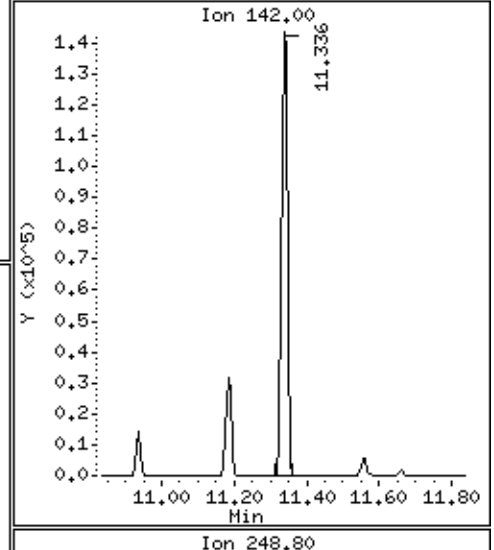


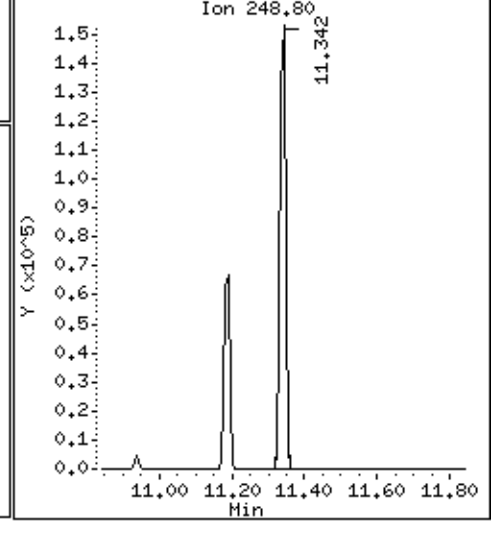












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

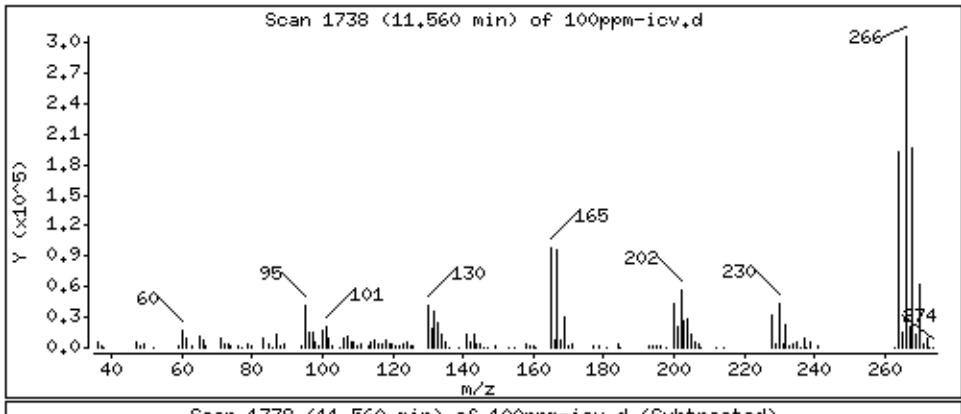
Operator: SN

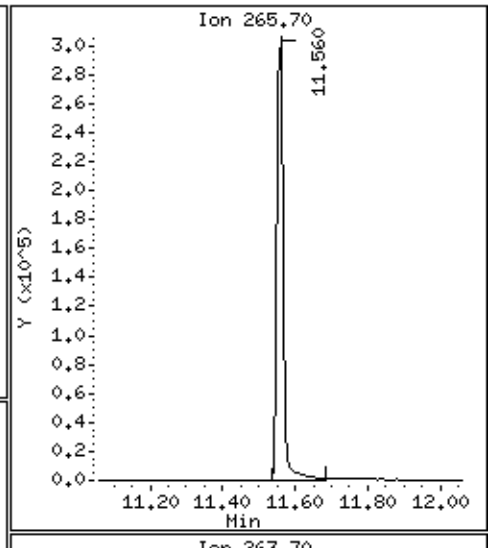
Column phase: .50um DB-5ms

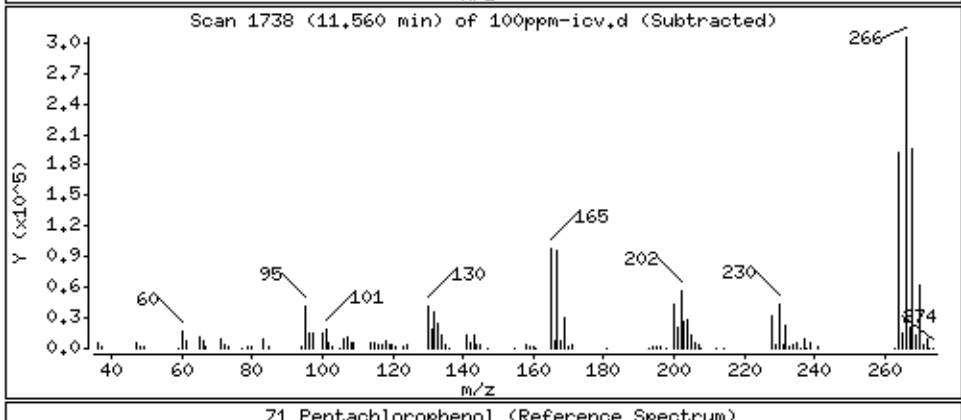
Column diameter: 0.25

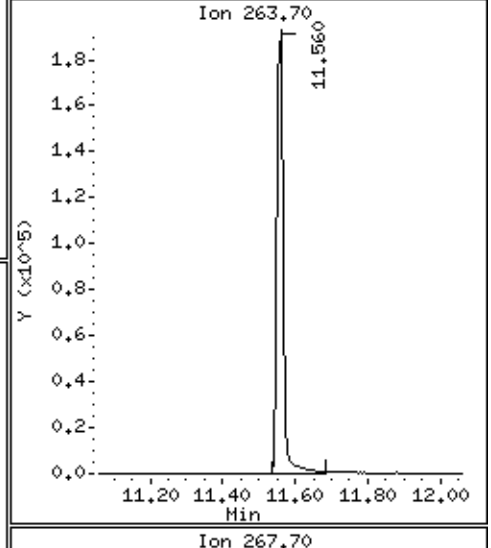
71 Pentachlorophenol

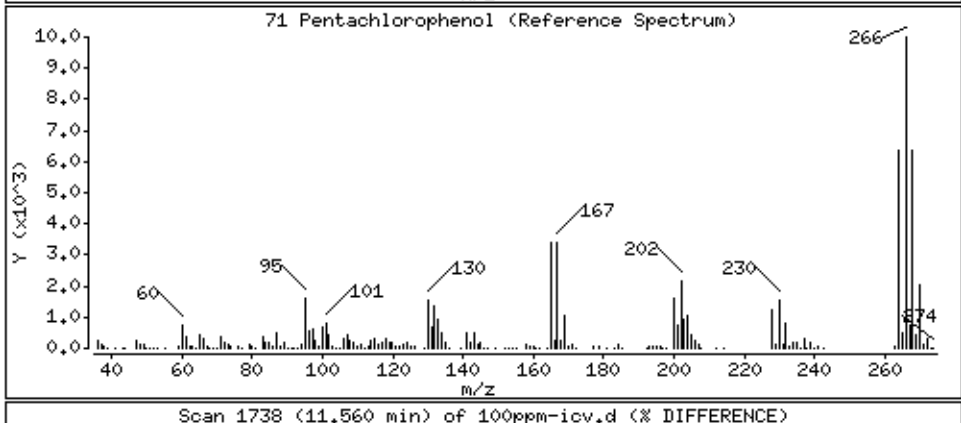
Concentration: 121.7 ug/L

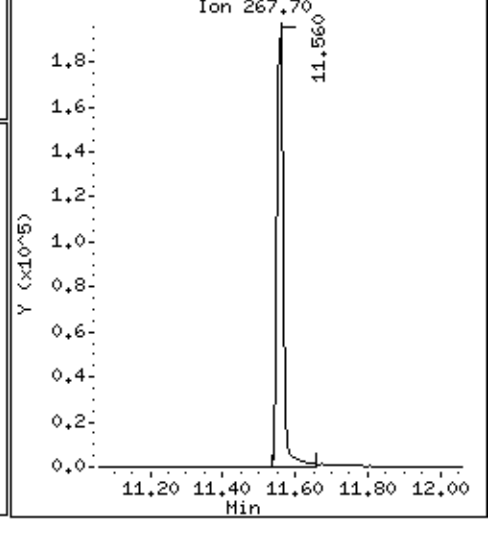


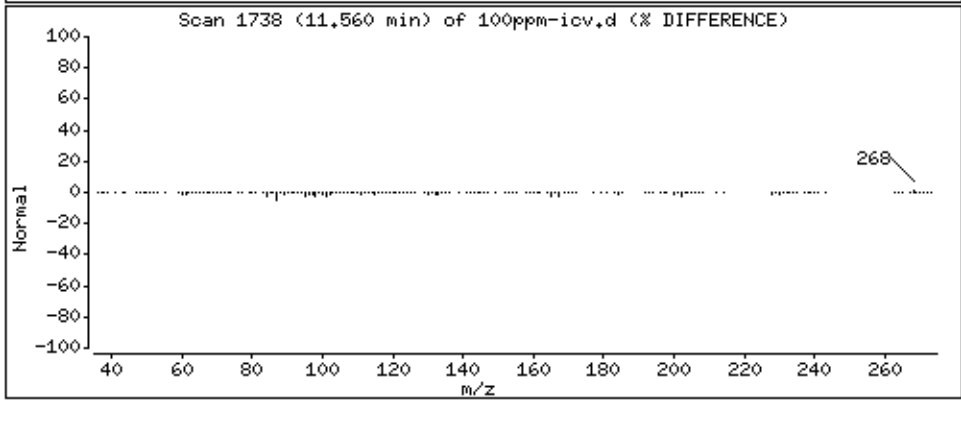












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

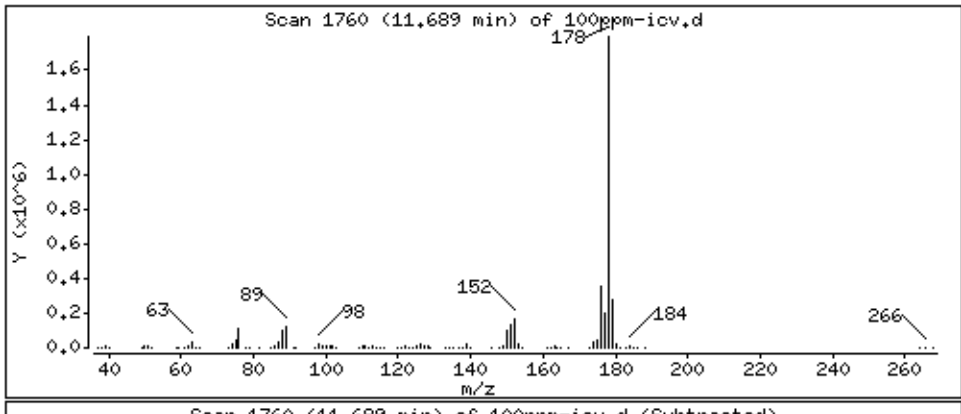
Operator: SN

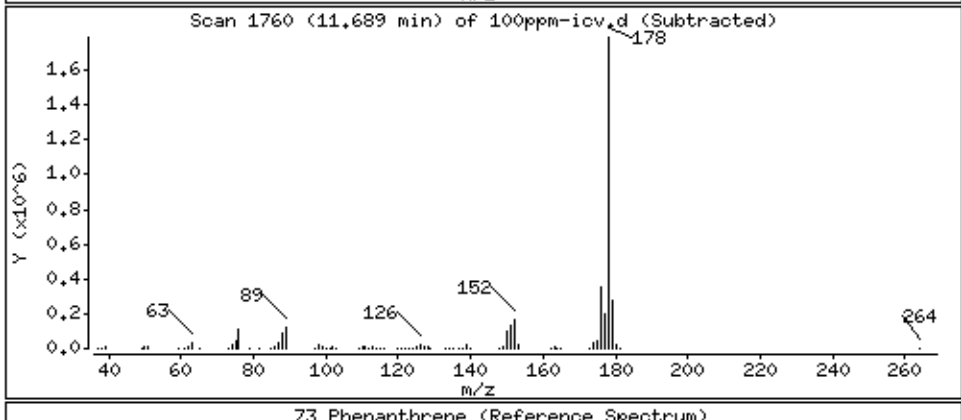
Column phase: .50um DB-5ms

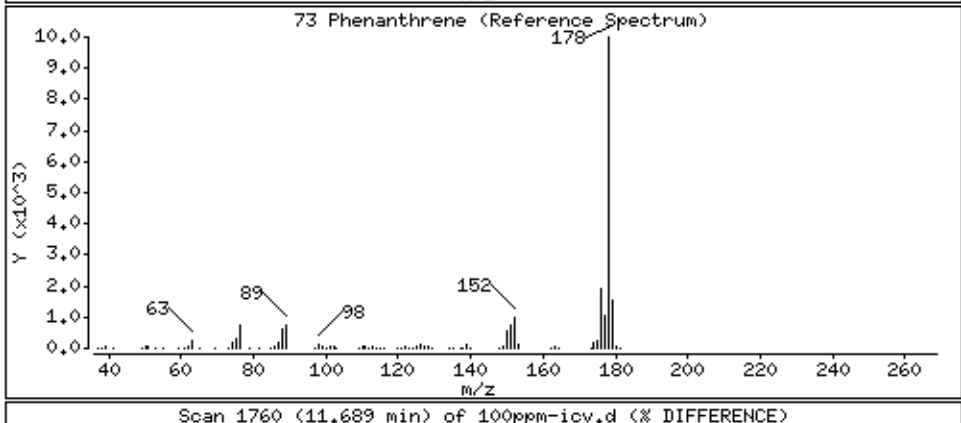
Column diameter: 0.25

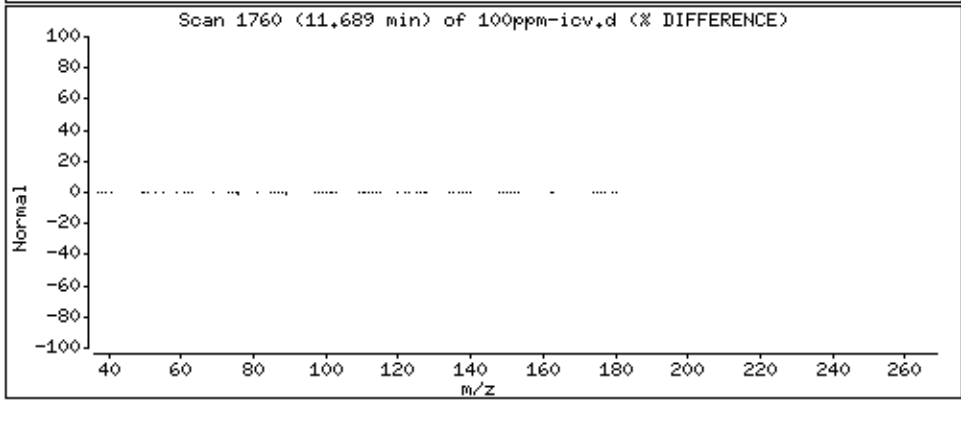
73 Phenanthrene

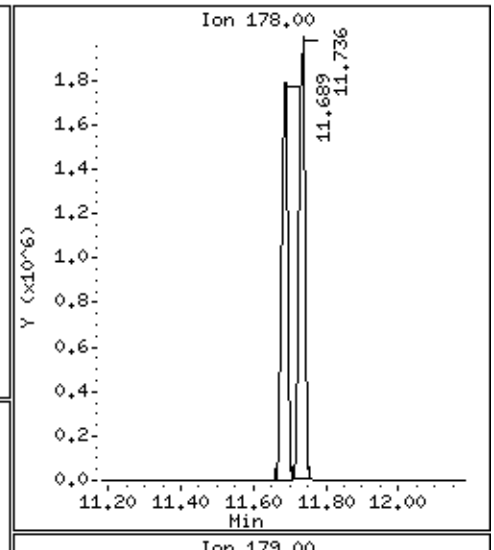
Concentration: 99.07 ug/L

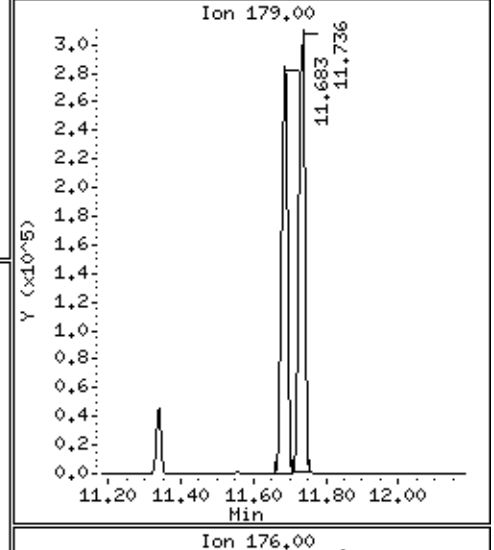


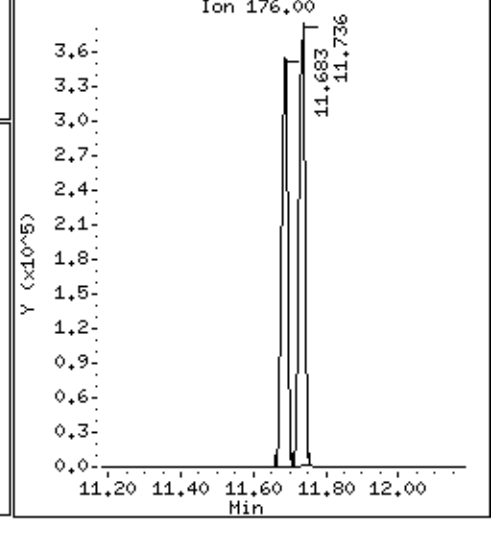












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

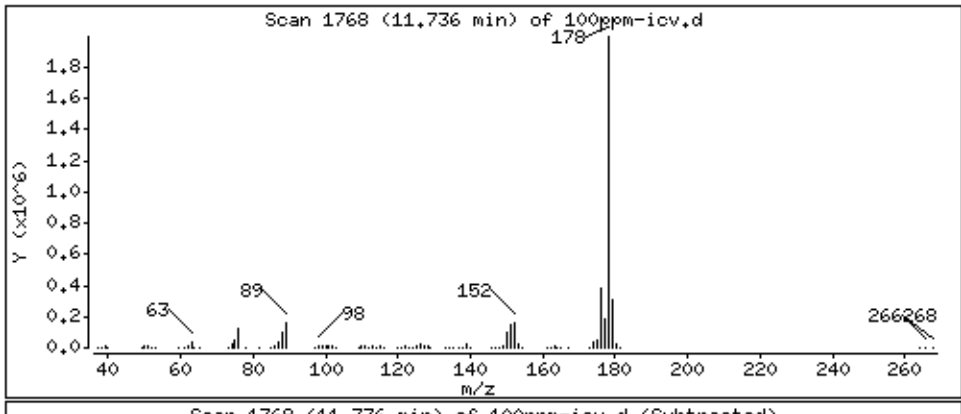
Operator: SN

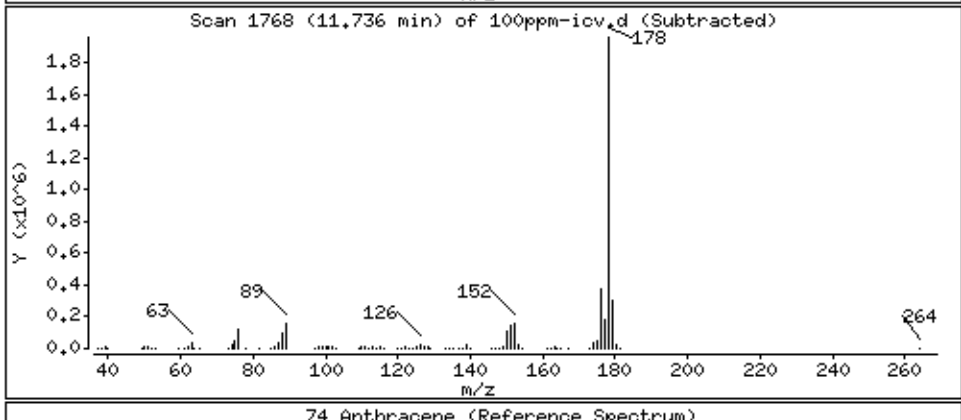
Column phase: .50um DB-5ms

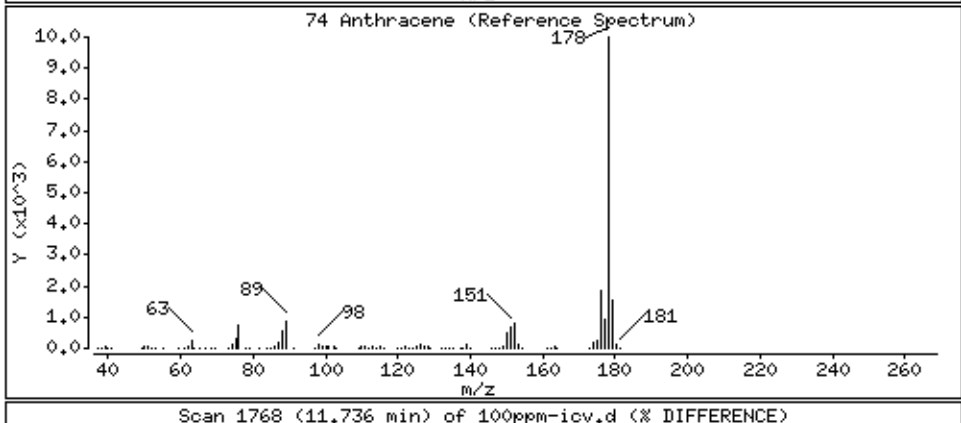
Column diameter: 0.25

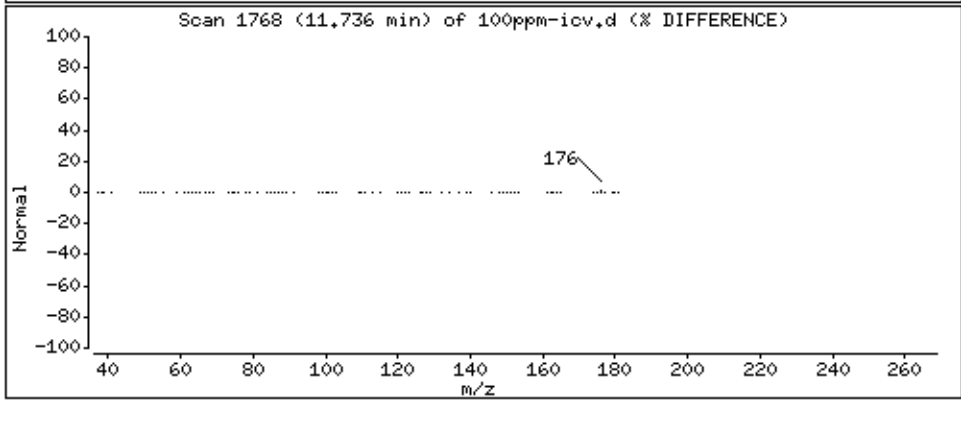
74 Anthracene

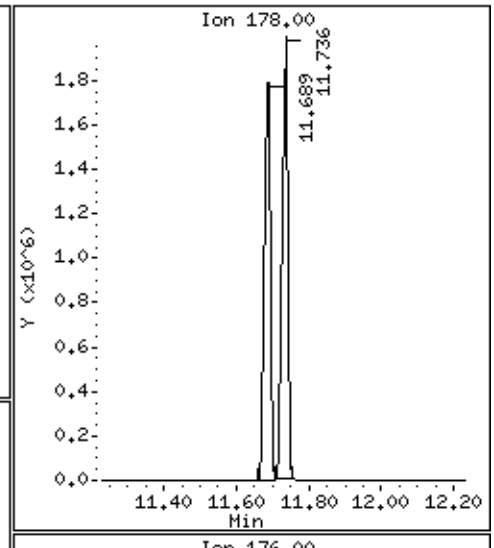
Concentration: 97.37 ug/L

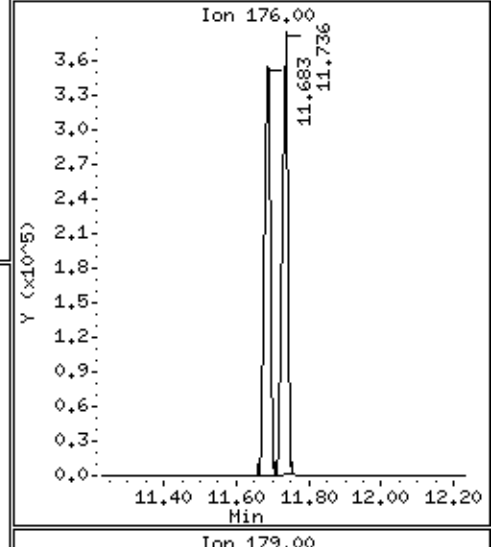


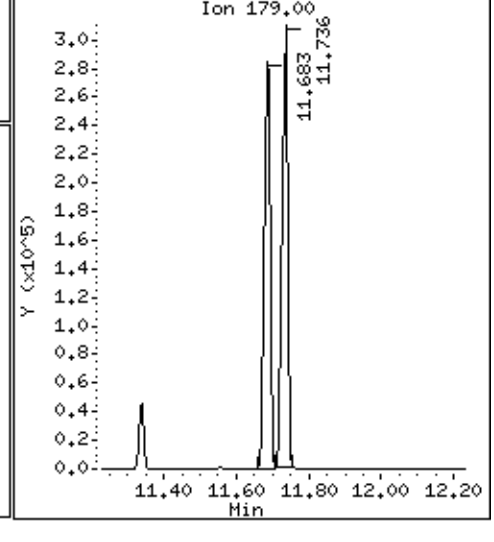












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

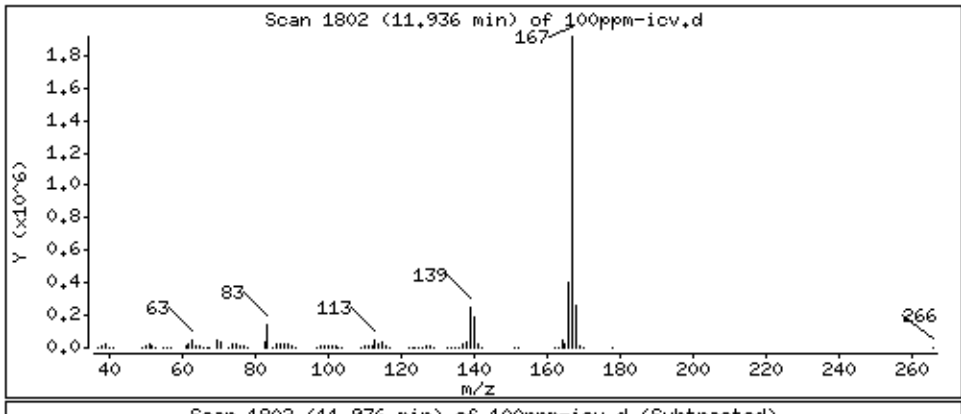
Operator: SN

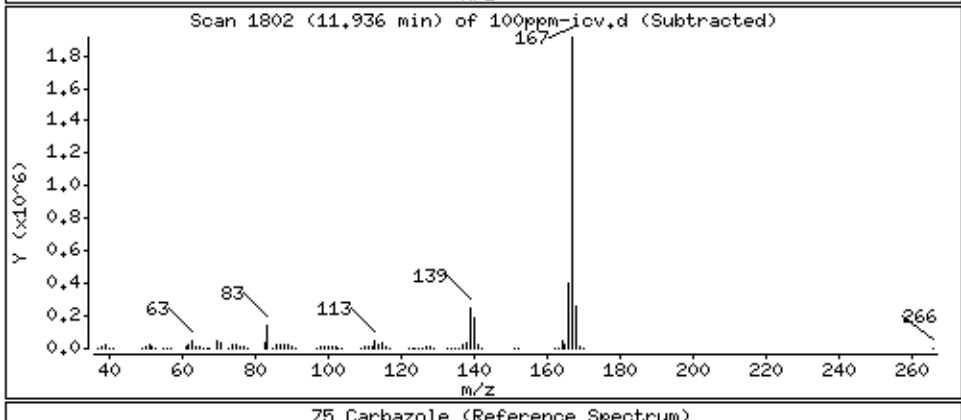
Column phase: .50um DB-5ms

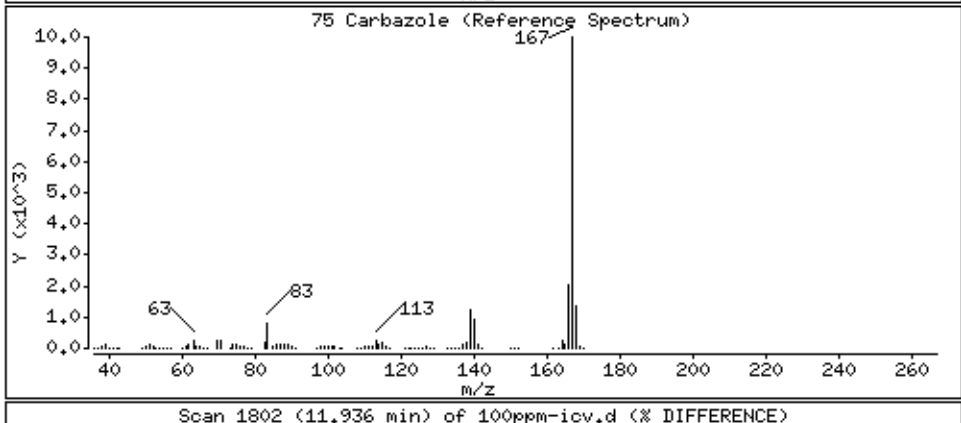
Column diameter: 0.25

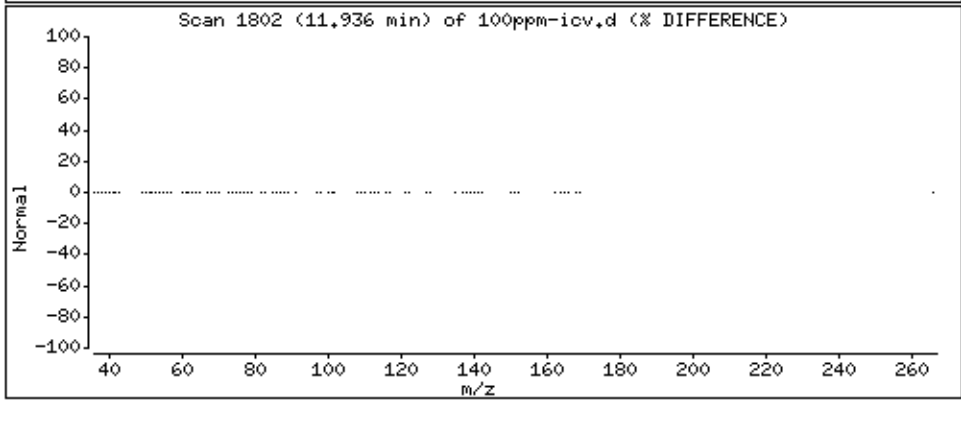
75 Carbazole

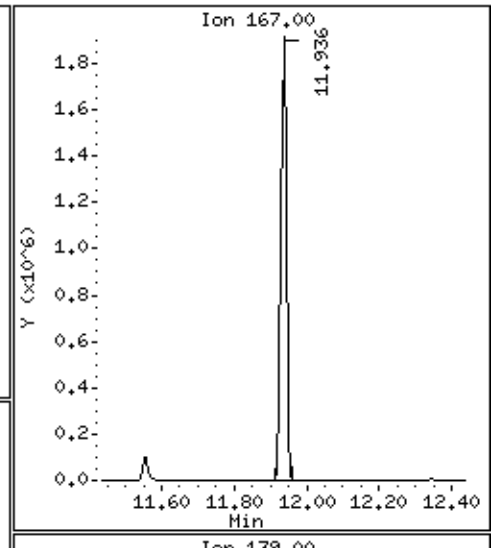
Concentration: 95.66 ug/L

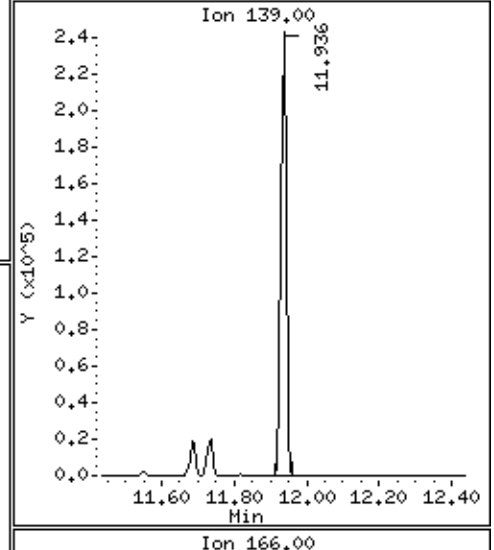


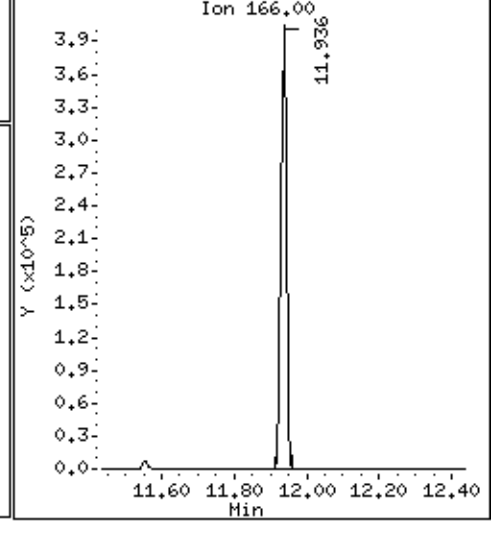












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

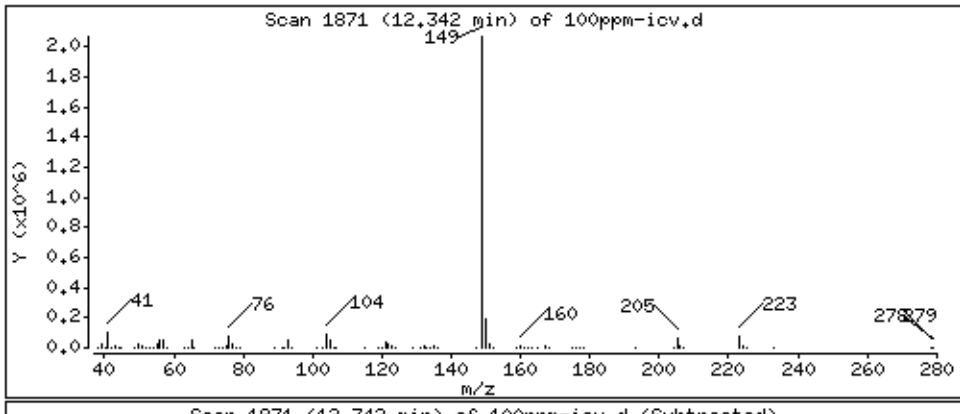
Operator: SN

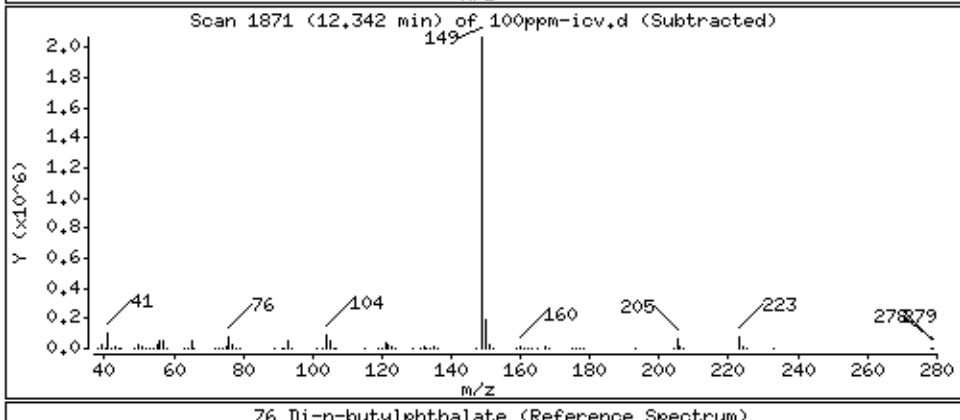
Column phase: .50um DB-5ms

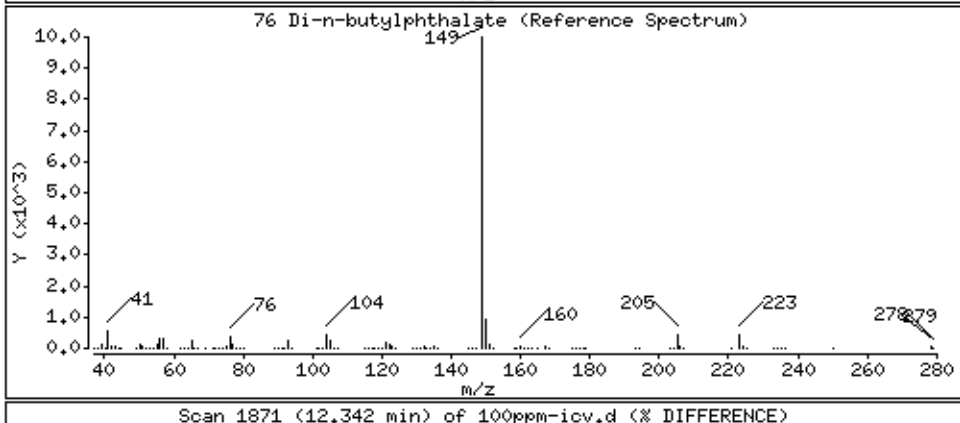
Column diameter: 0.25

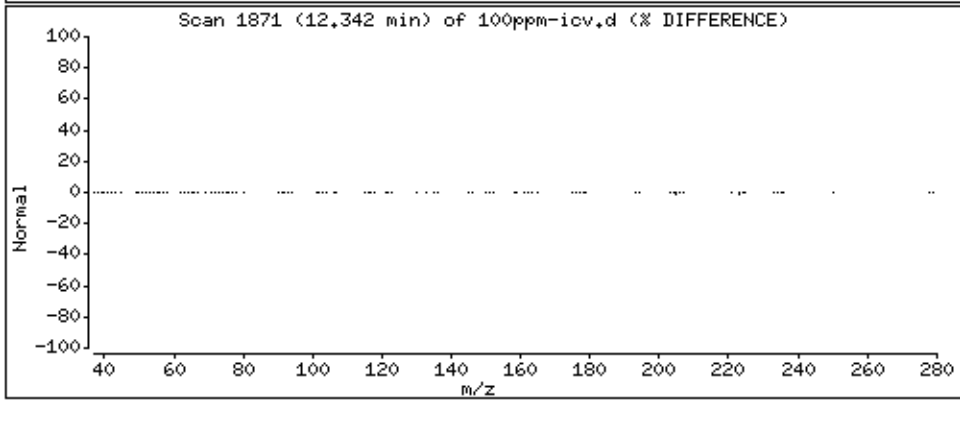
76 Di-n-butylphthalate

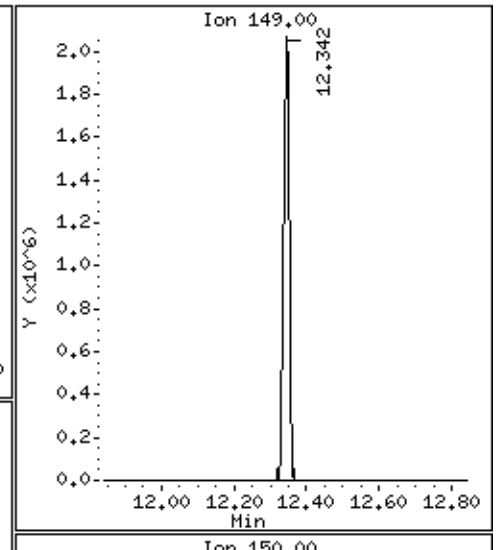
Concentration: 94.78 ug/L

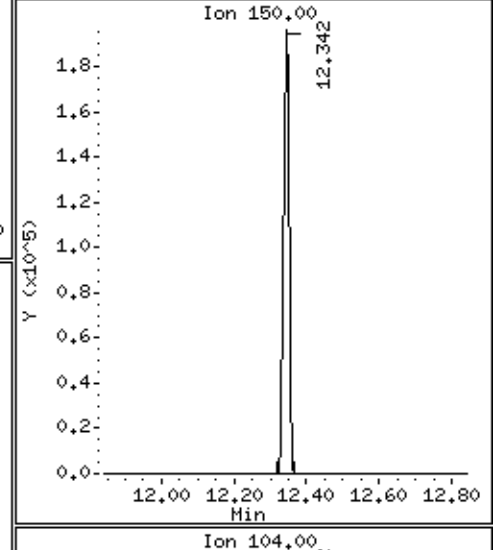


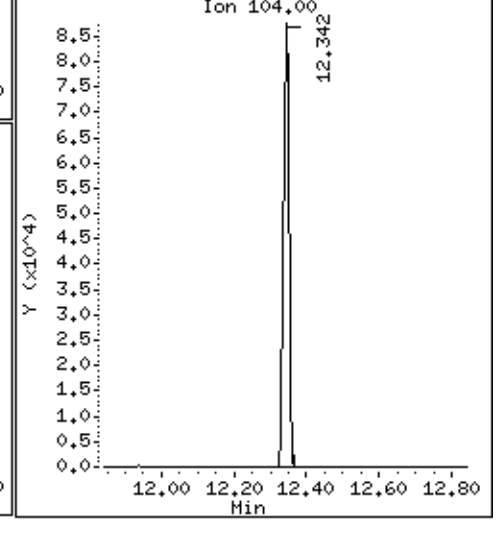












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

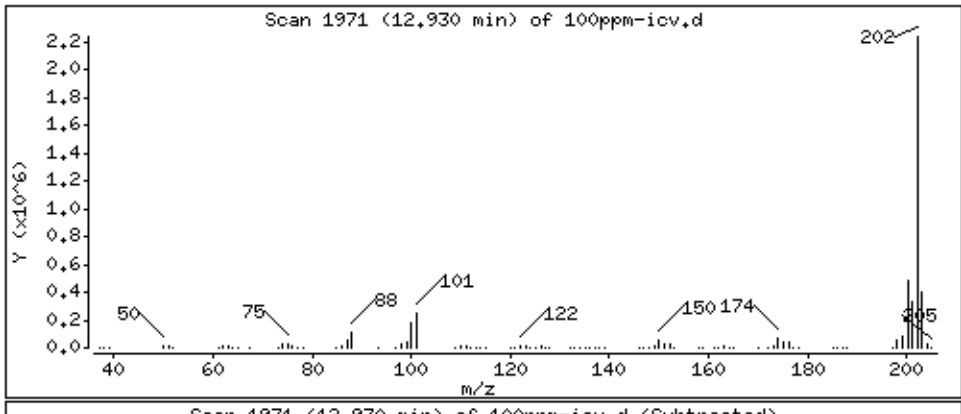
Operator: SN

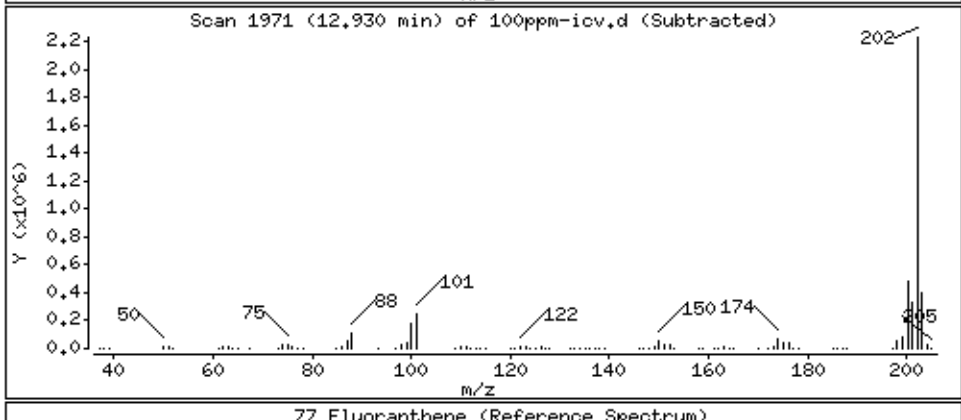
Column phase: .50um DB-5ms

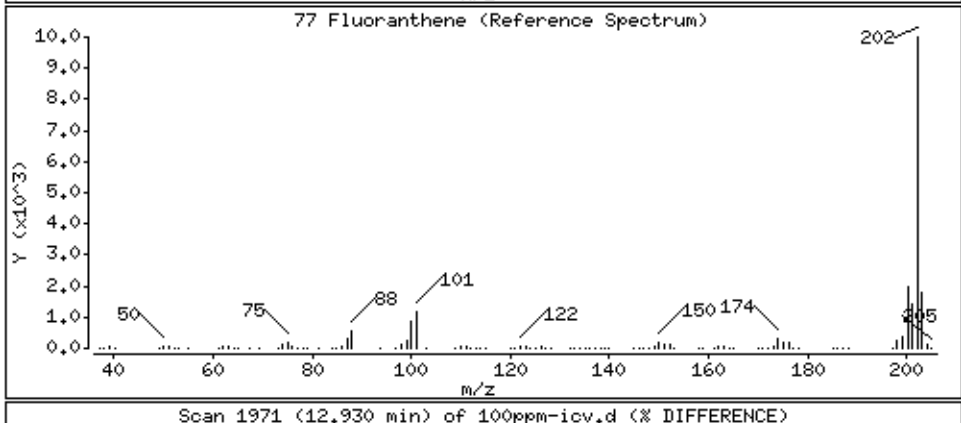
Column diameter: 0.25

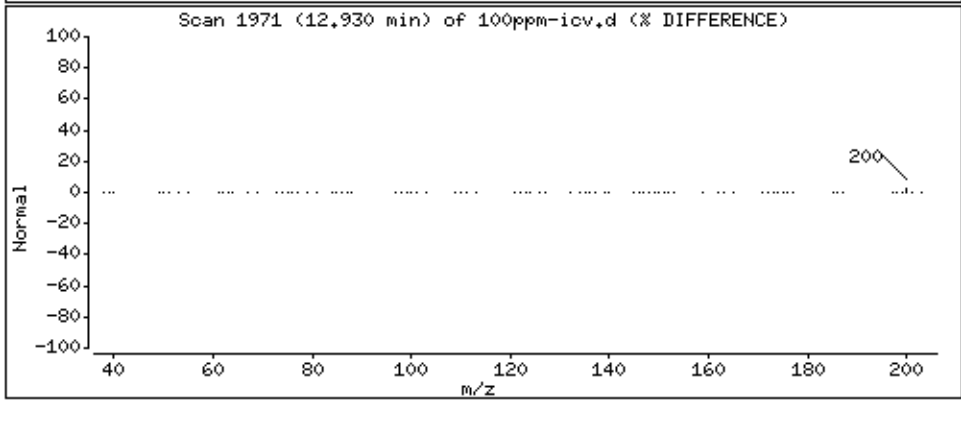
77 Fluoranthene

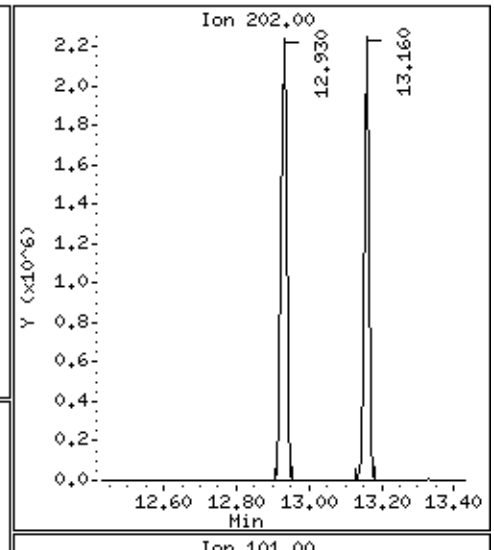
Concentration: 98.80 ug/L

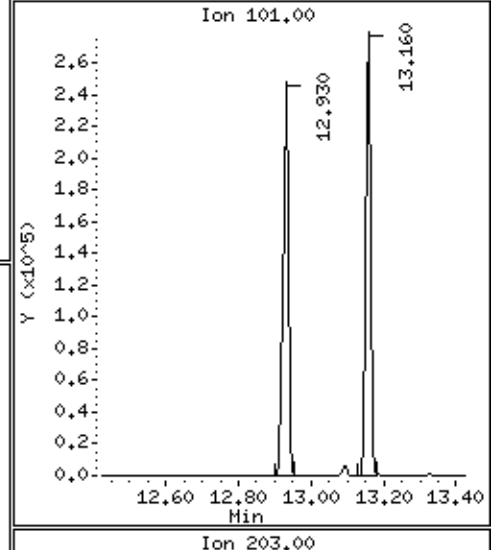


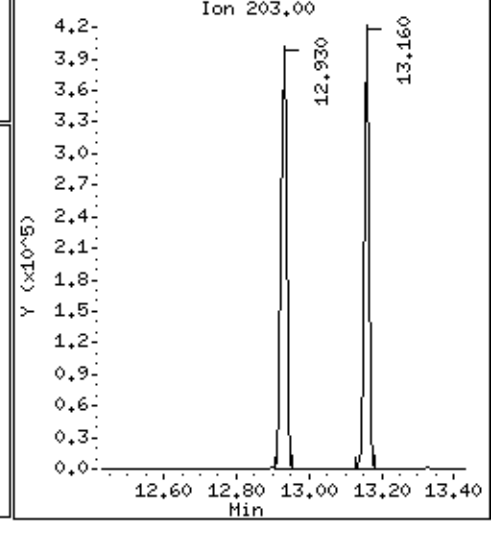












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

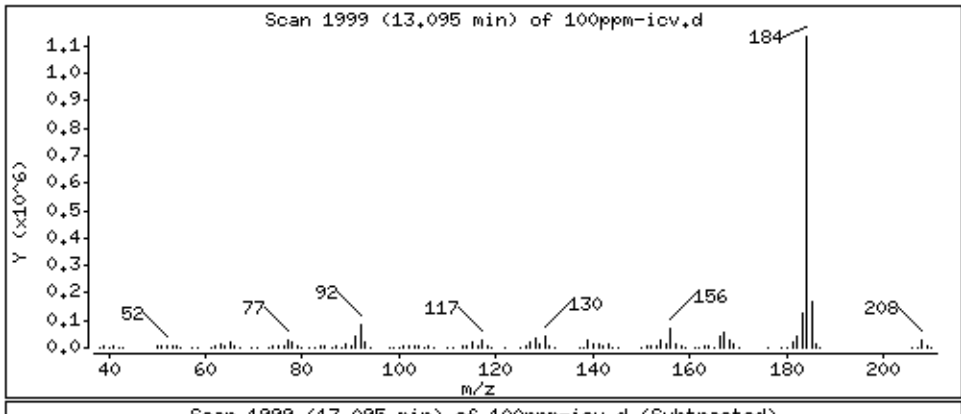
Operator: SN

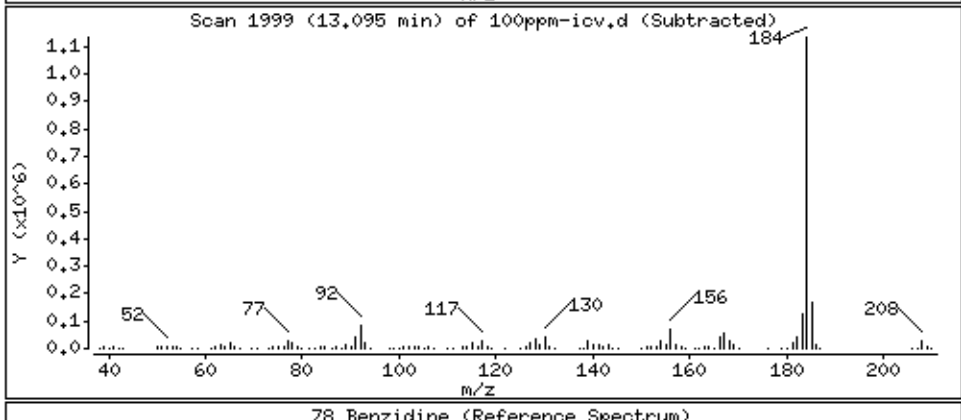
Column phase: .50um DB-5ms

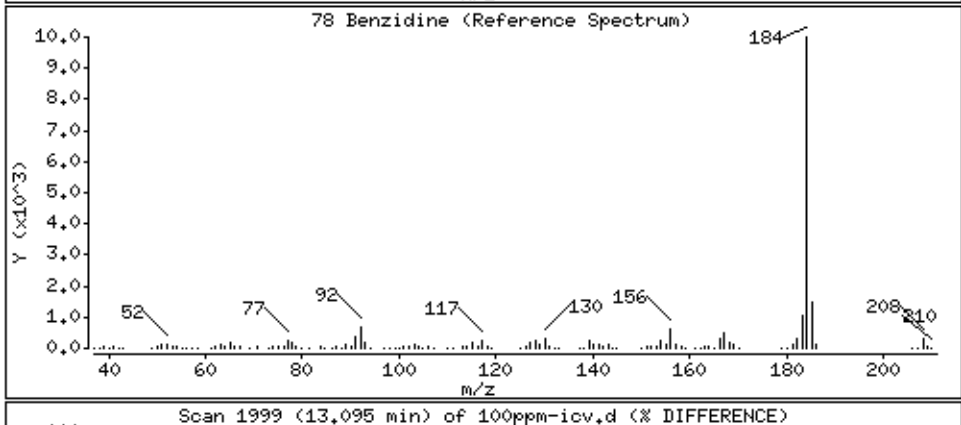
Column diameter: 0.25

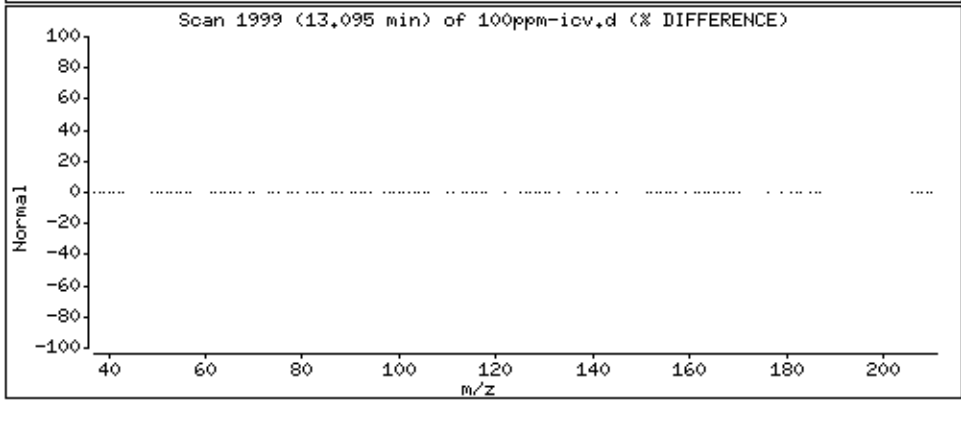
78 Benzidine

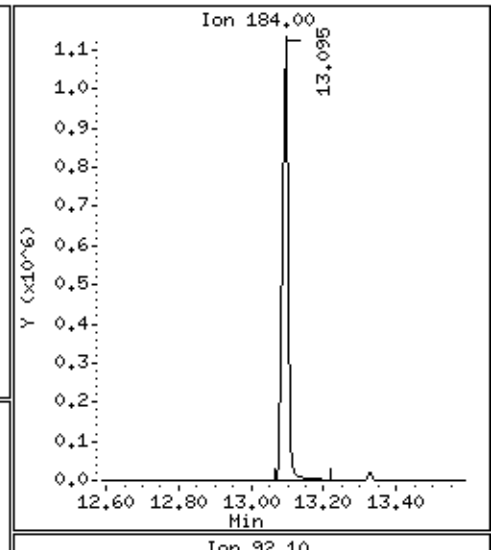
Concentration: 216.7 ug/L

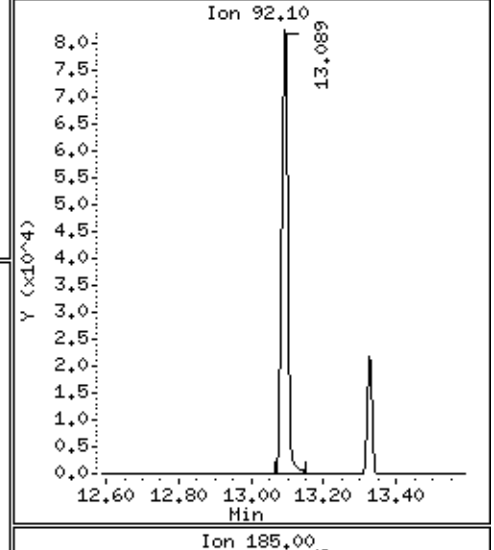


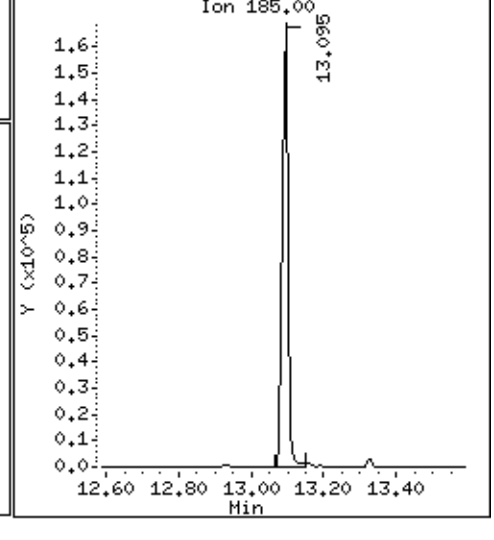












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

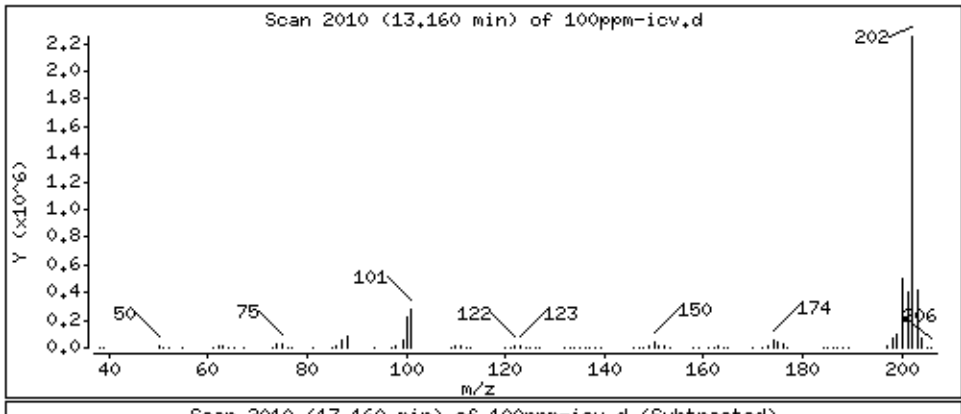
Operator: SN

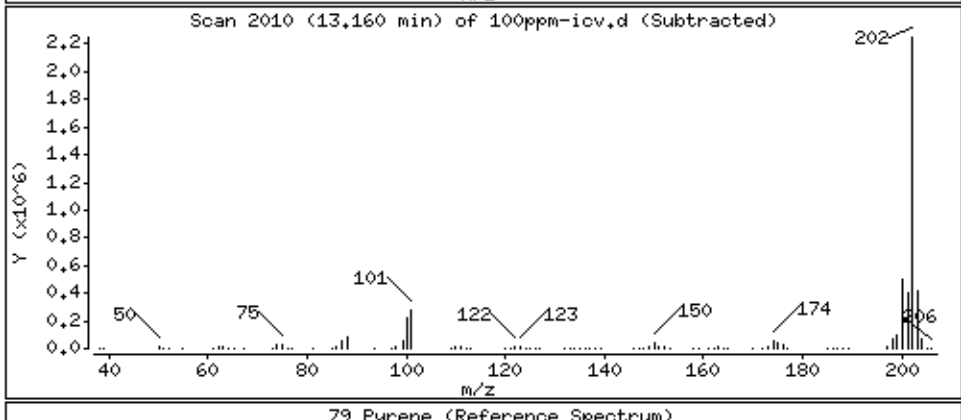
Column phase: .50um DB-5ms

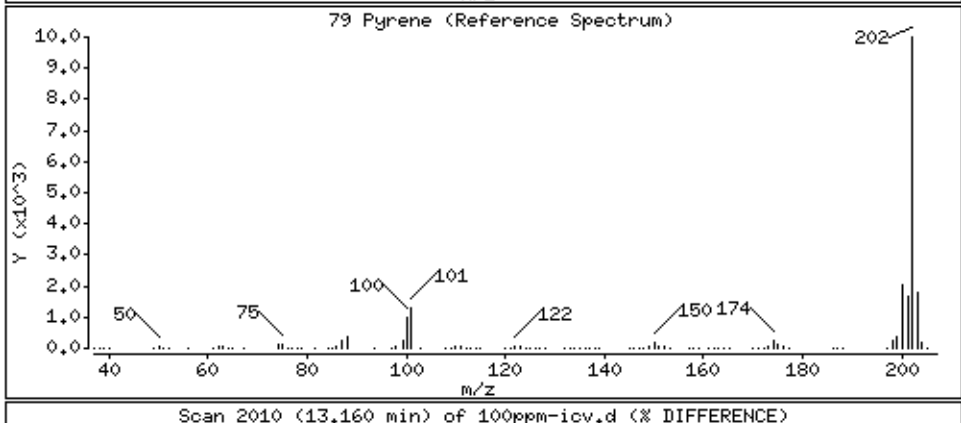
Column diameter: 0.25

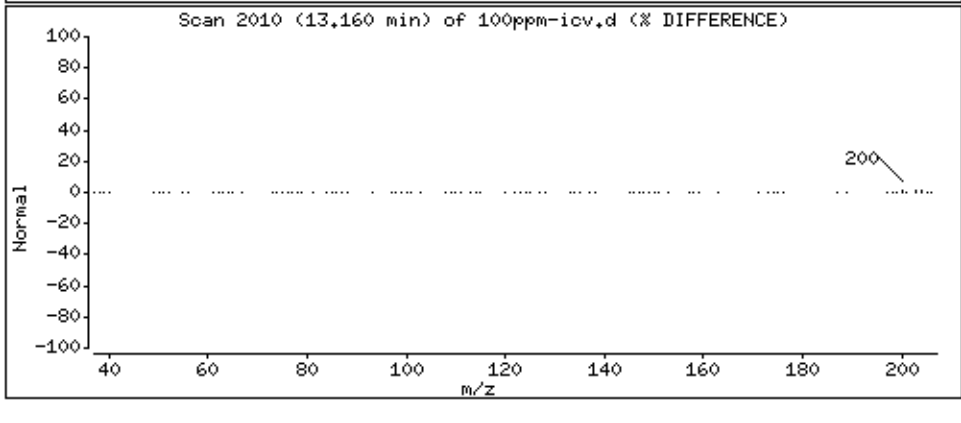
79 Pyrene

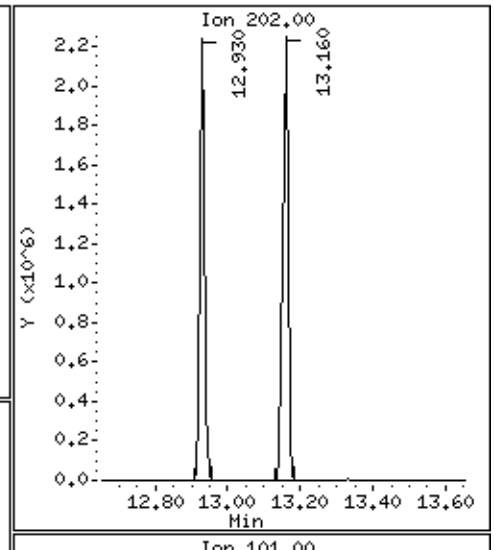
Concentration: 97.66 ug/L

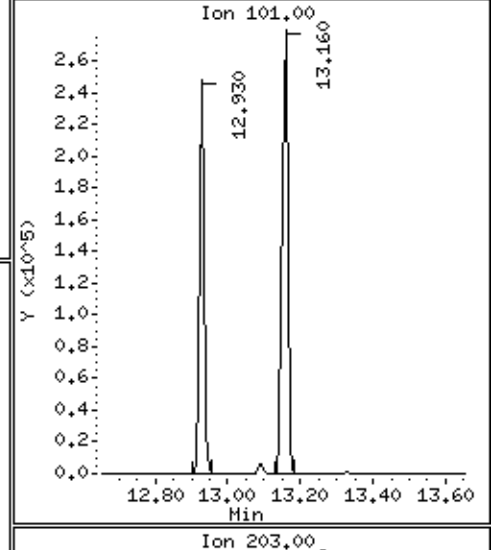


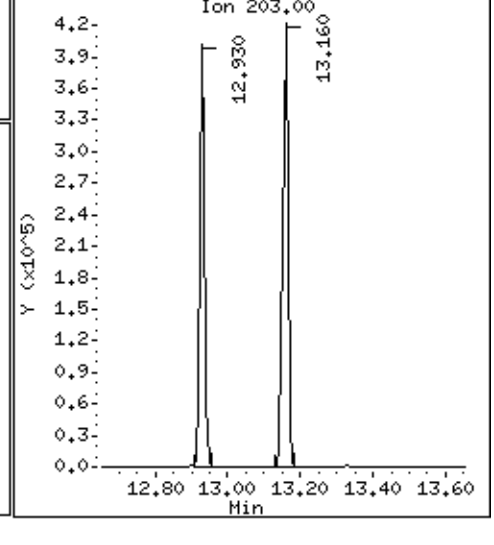












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

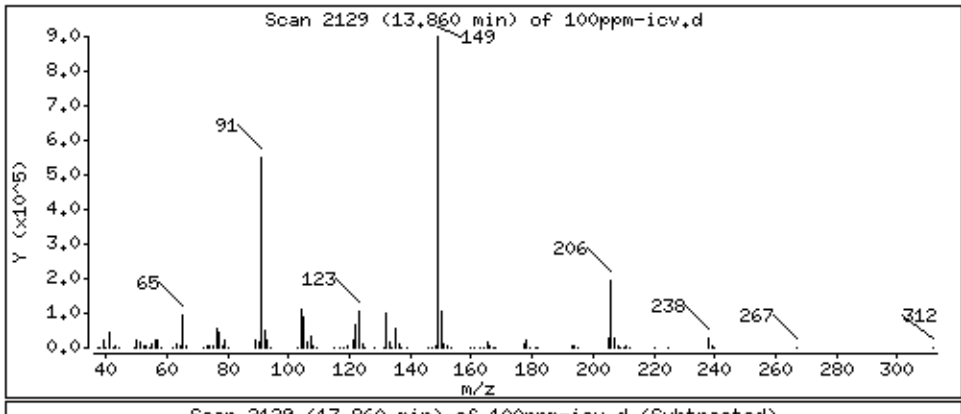
Operator: SN

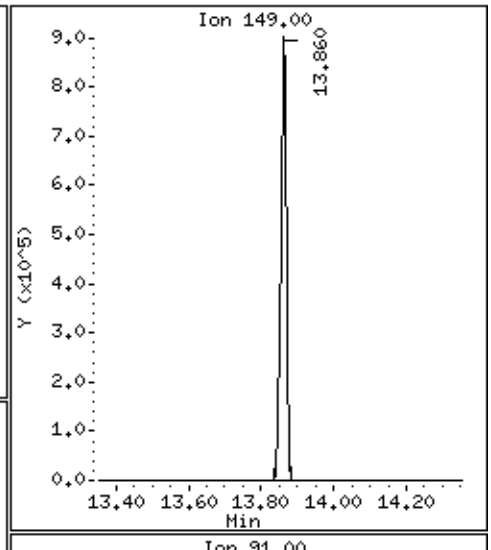
Column phase: .50um DB-5ms

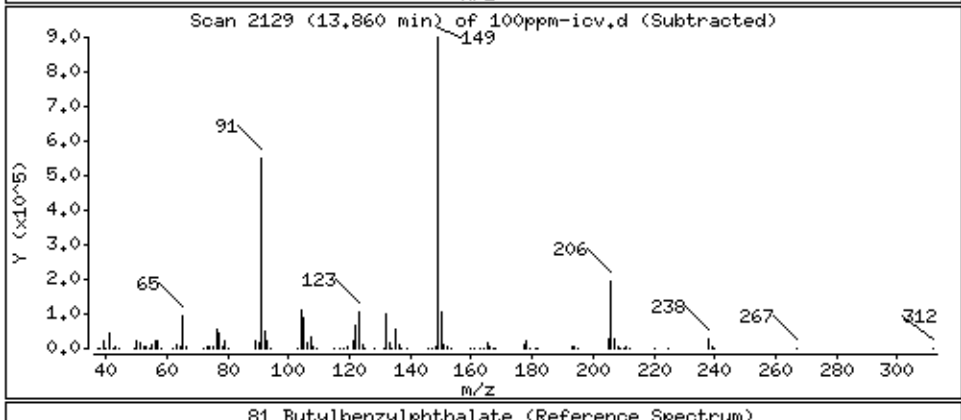
Column diameter: 0.25

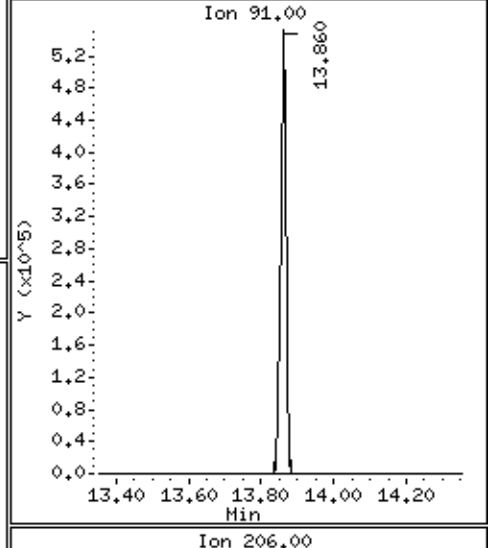
81 Butylbenzylphthalate

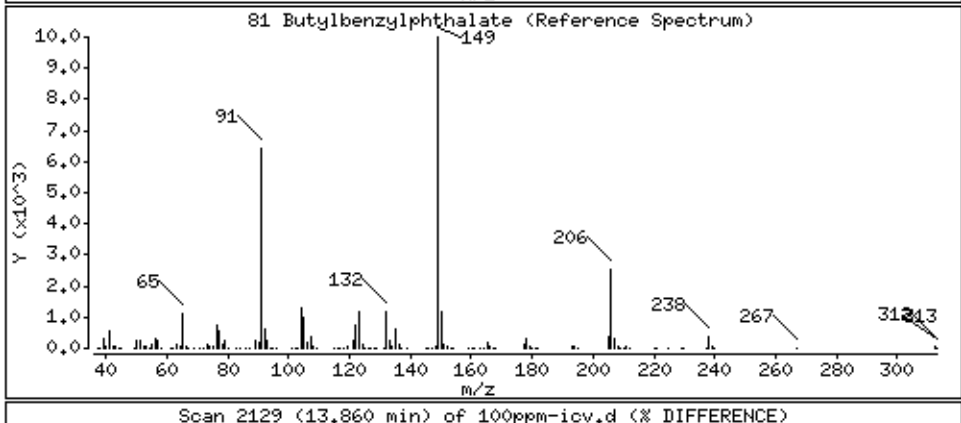
Concentration: 100.5 ug/L

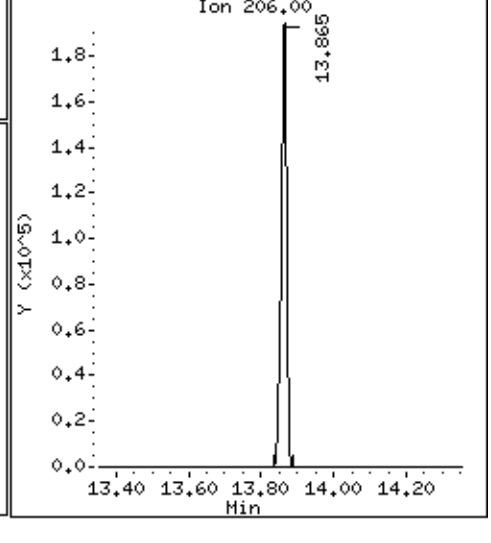


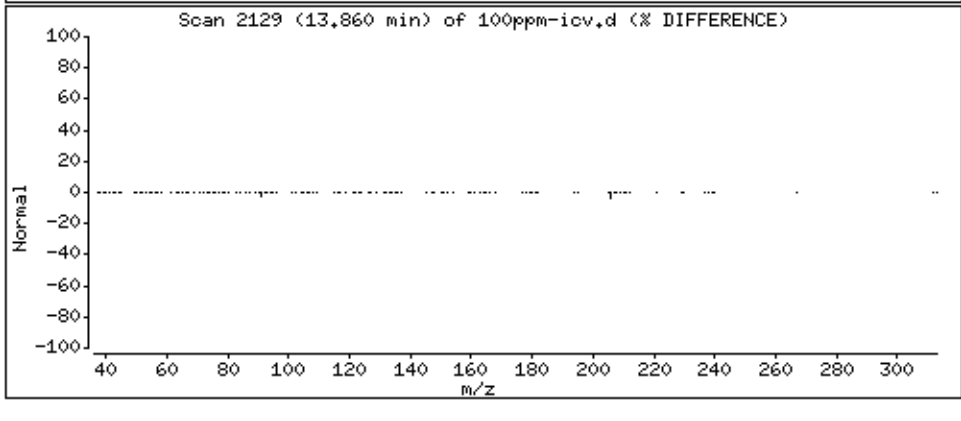












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

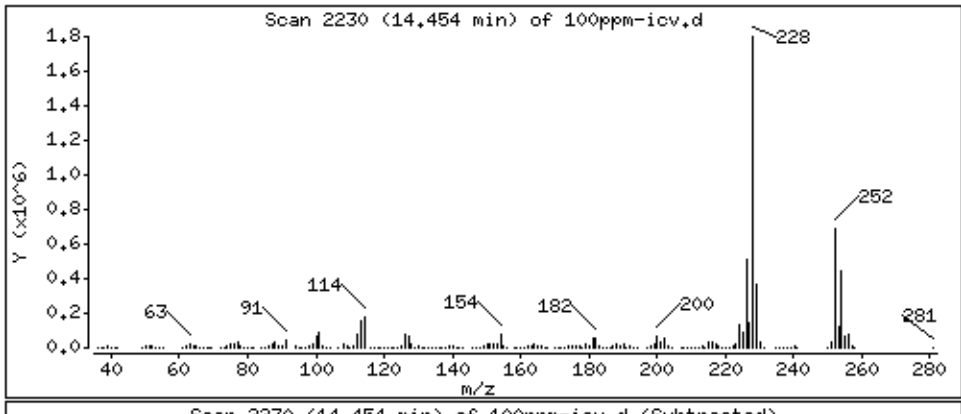
Operator: SN

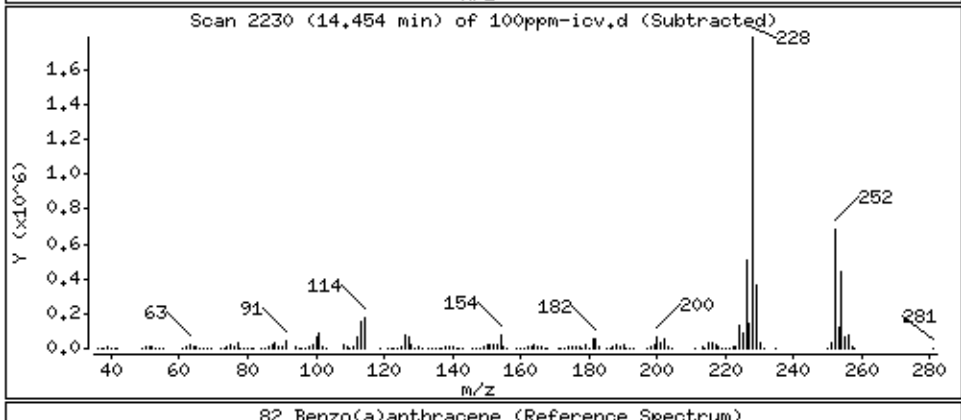
Column phase: .50um DB-5ms

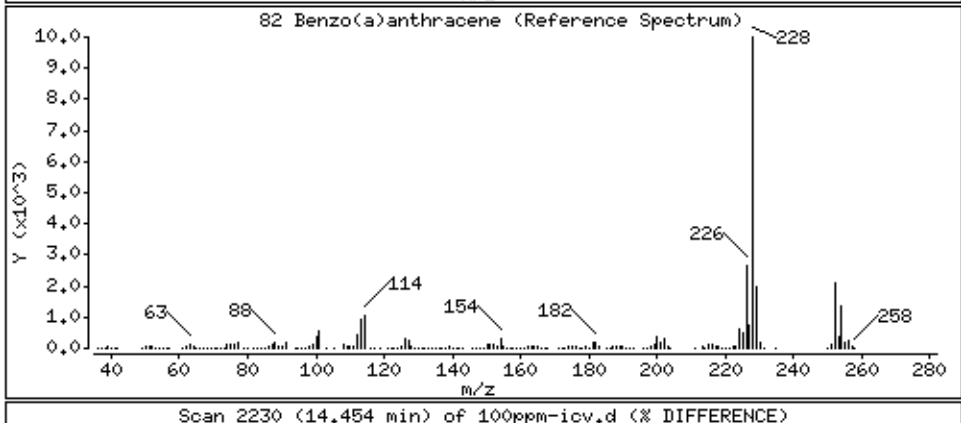
Column diameter: 0.25

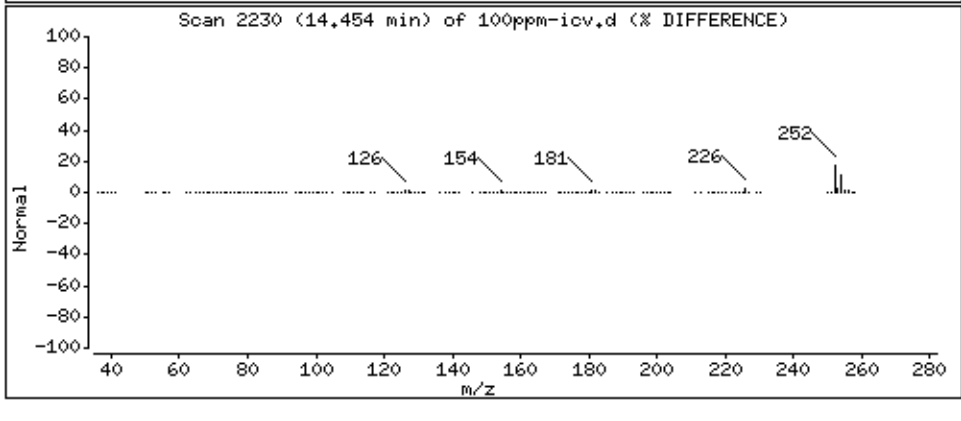
82 Benzo(a)anthracene

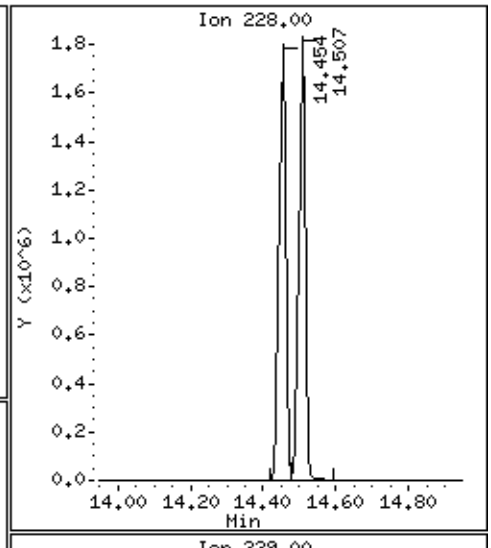
Concentration: 97.98 ug/L

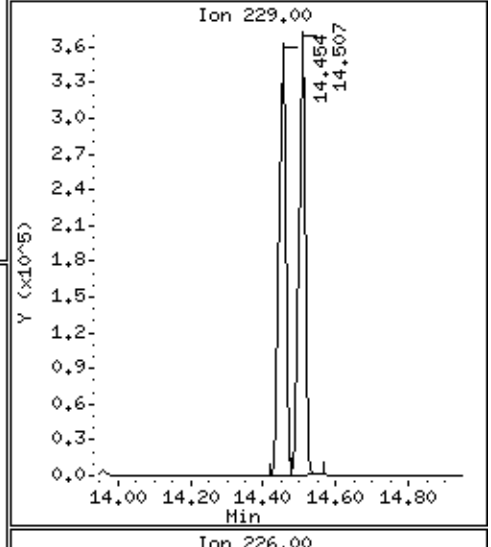


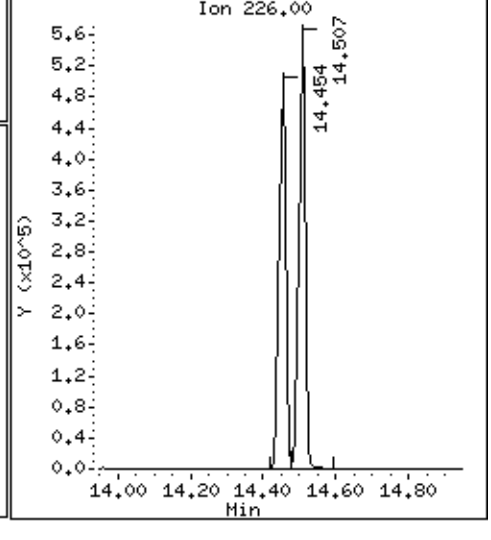












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

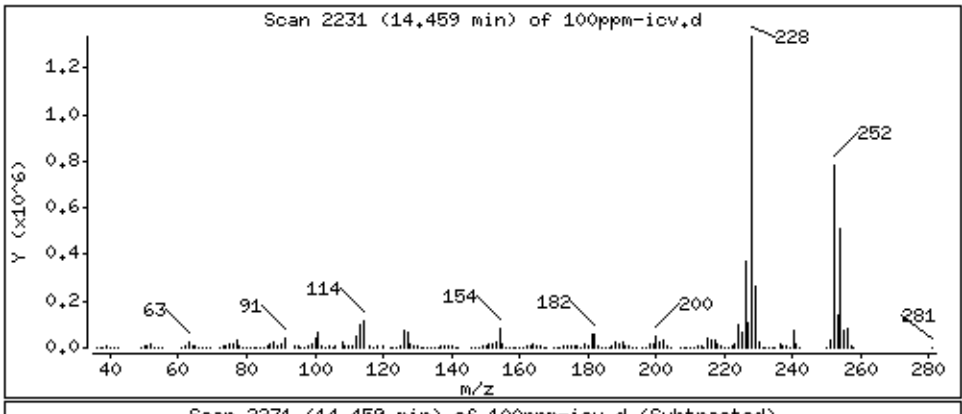
Operator: SN

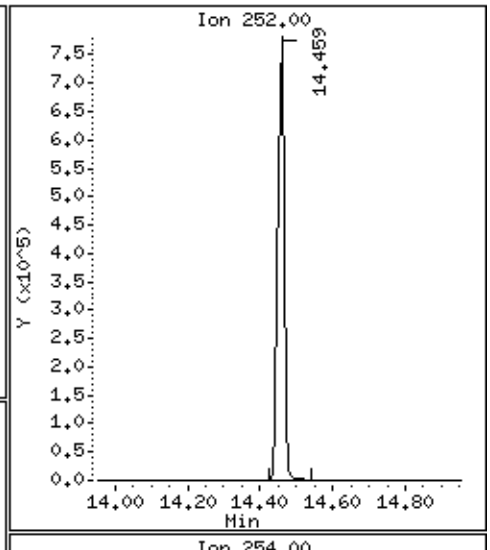
Column phase: .50um DB-5ms

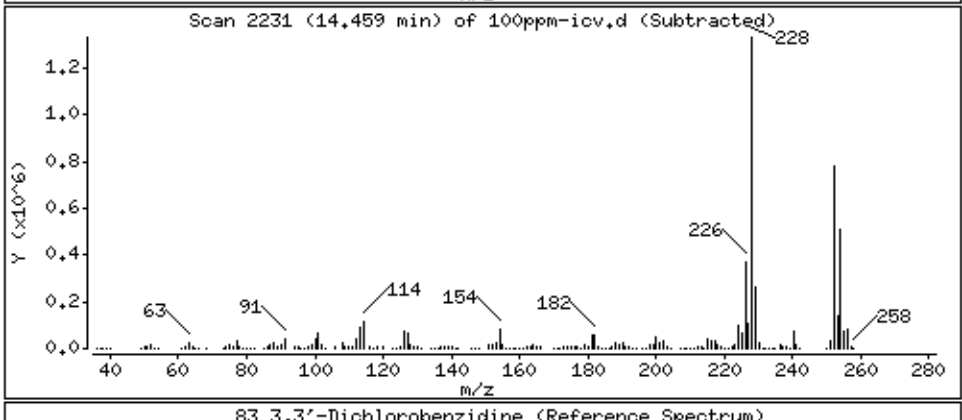
Column diameter: 0.25

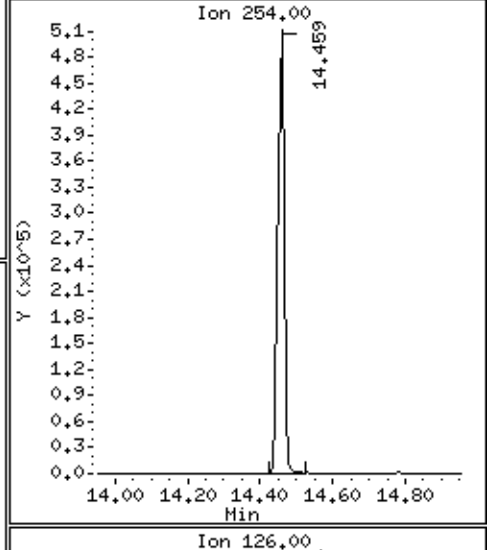
83 3,3'-Dichlorobenzidine

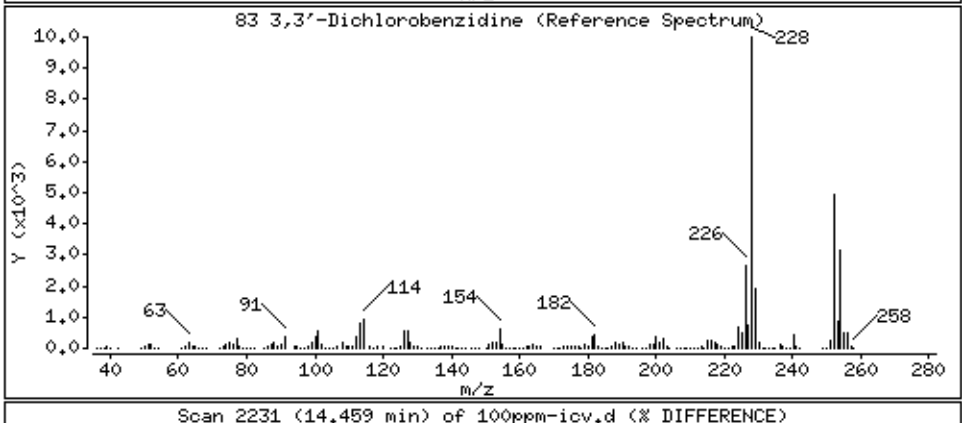
Concentration: 117.7 ug/L

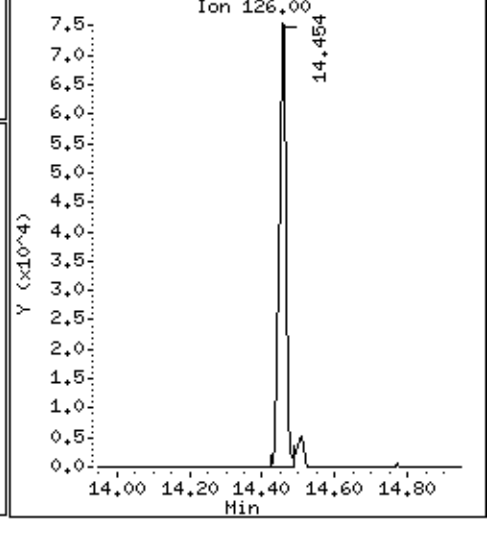


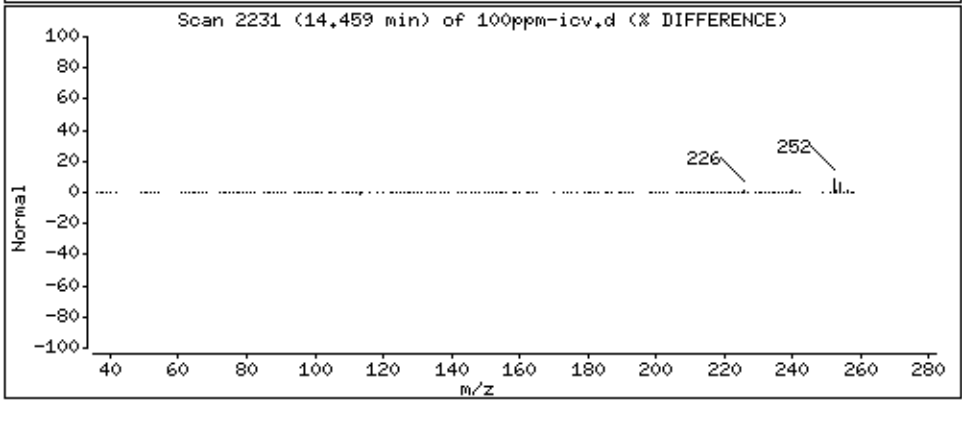












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

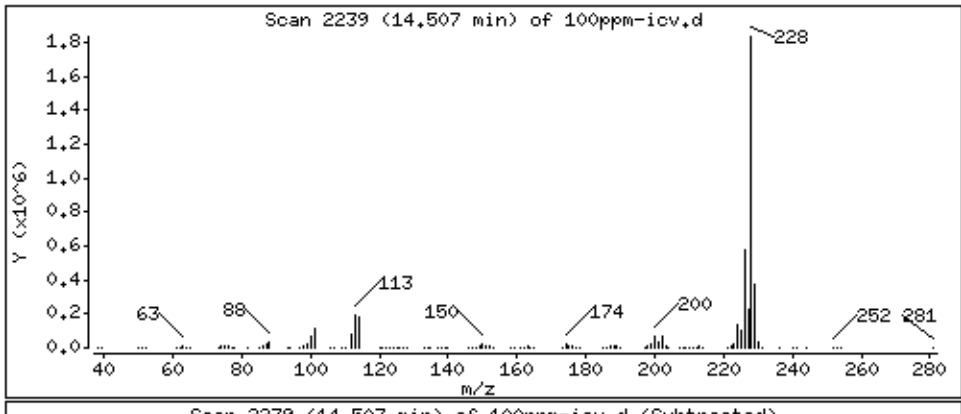
Operator: SN

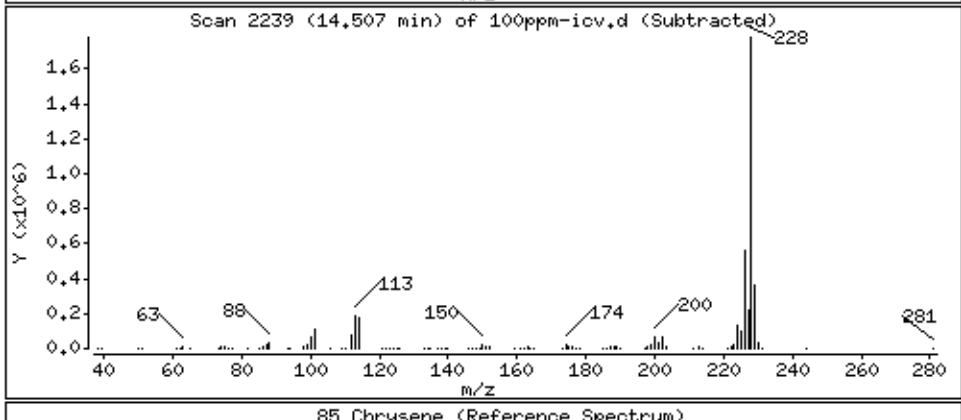
Column phase: .50um DB-5ms

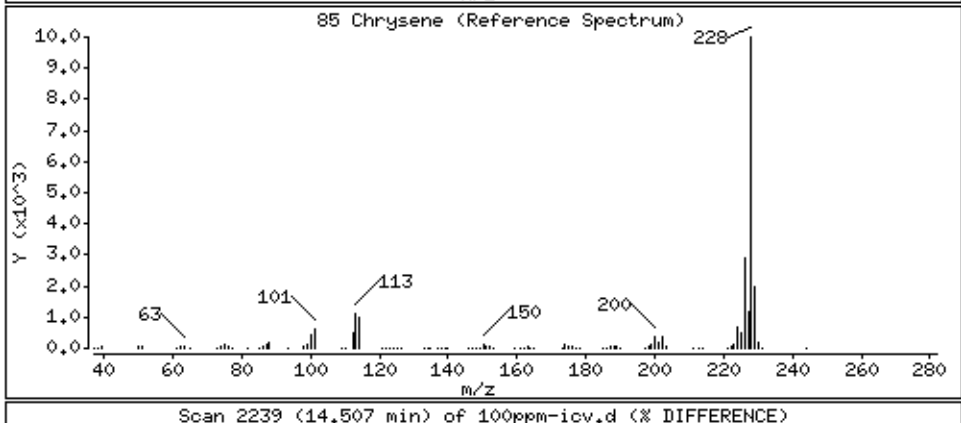
Column diameter: 0.25

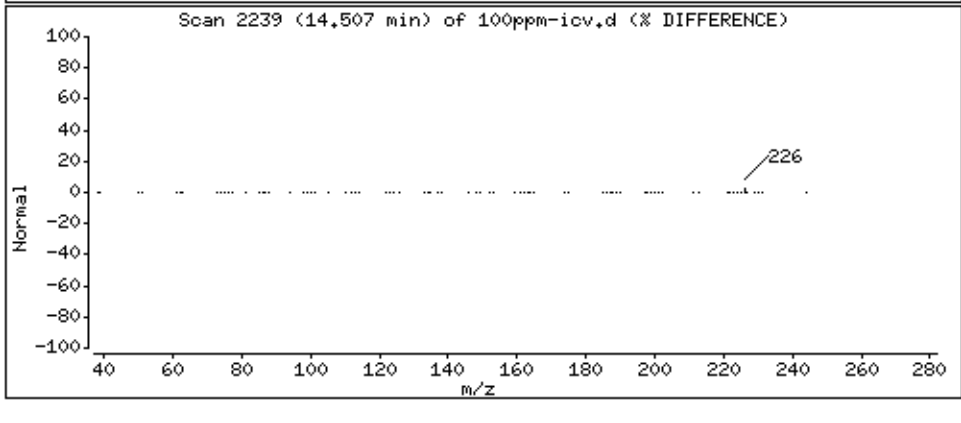
85 Chrysene

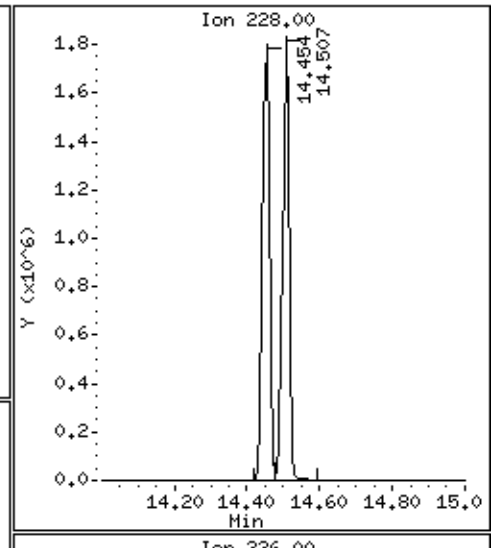
Concentration: 101.0 ug/L

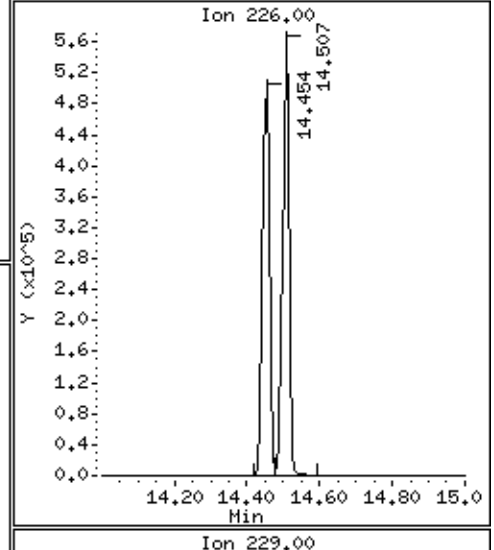


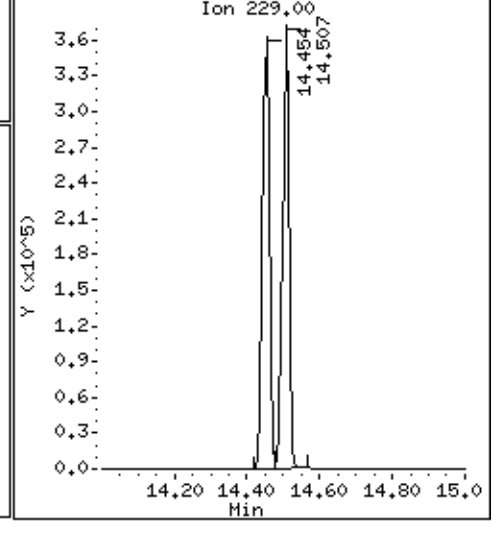












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

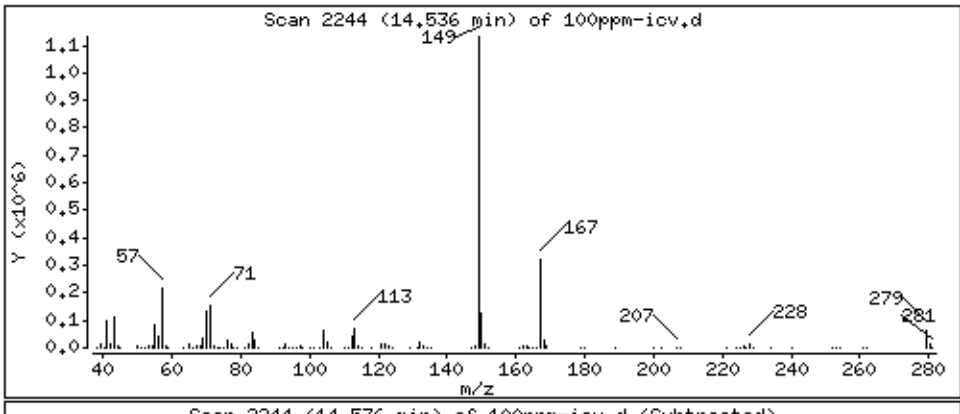
Operator: SN

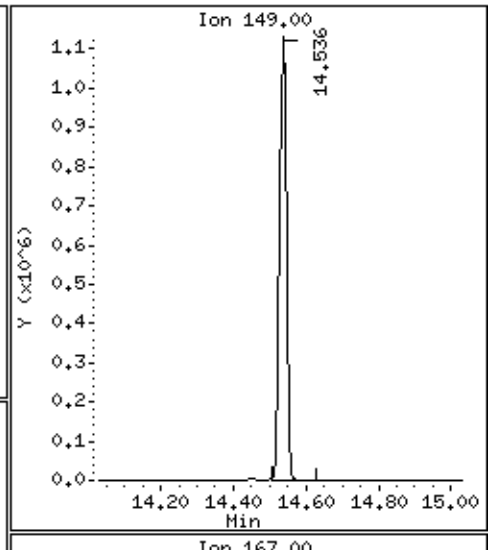
Column phase: .50um DB-5ms

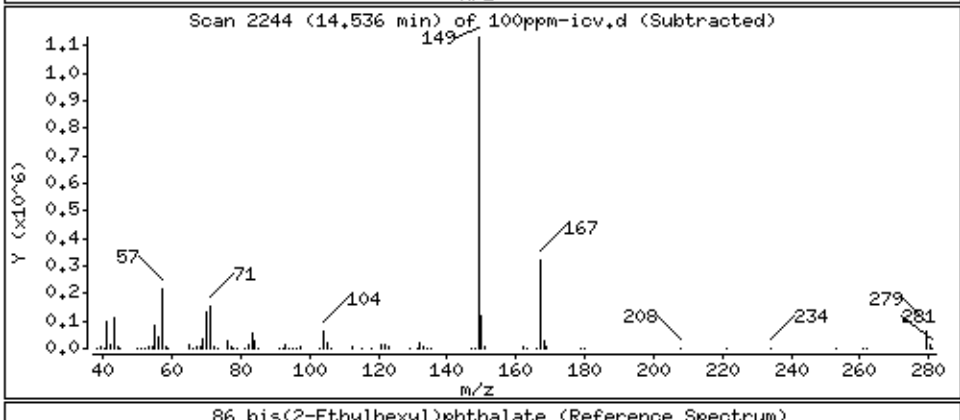
Column diameter: 0.25

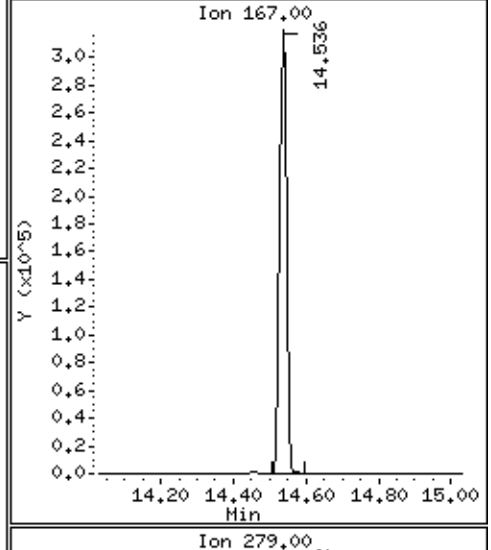
86 bis(2-Ethylhexyl)phthalate

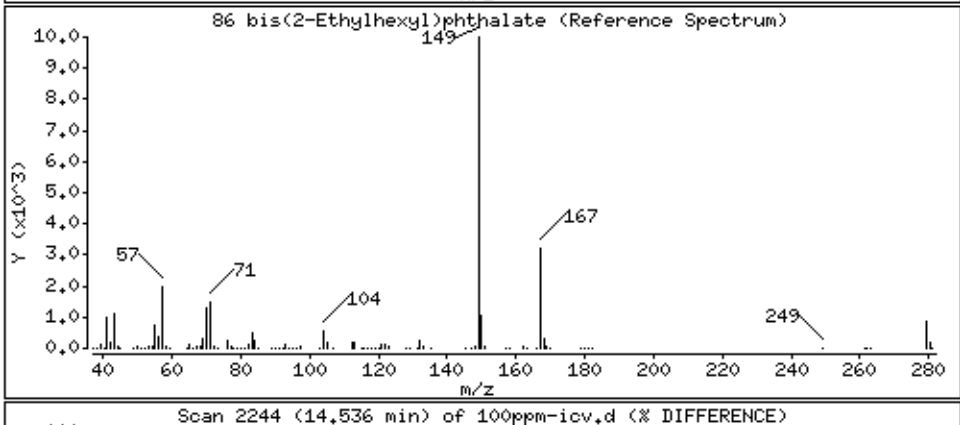
Concentration: 101.9 ug/L

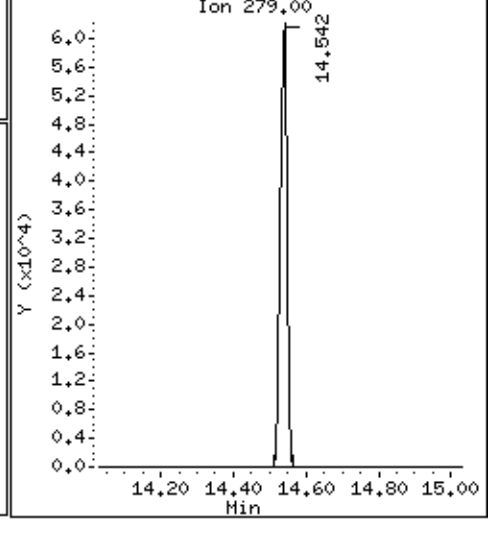


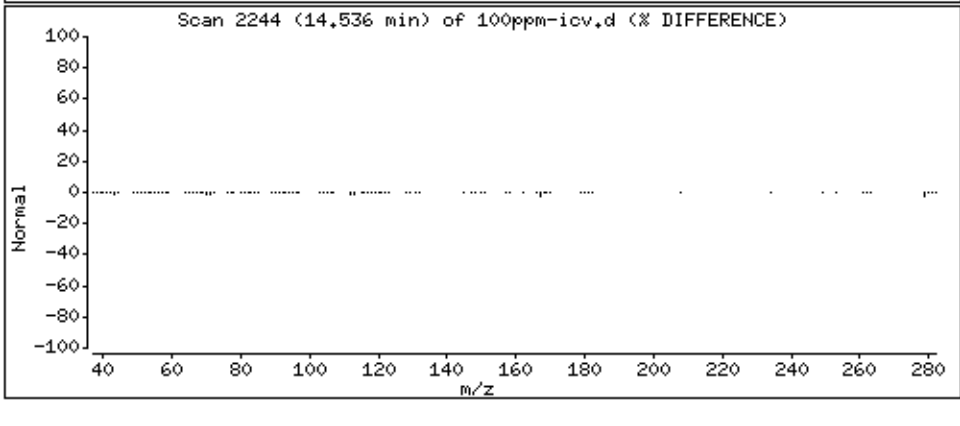












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

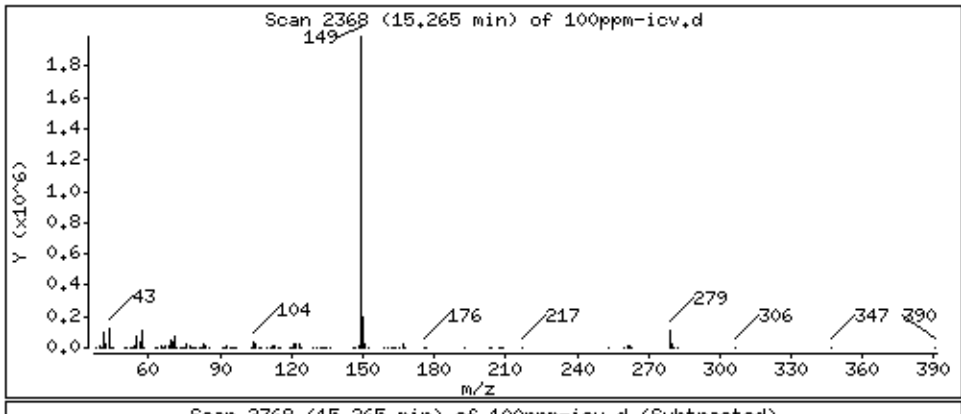
Operator: SN

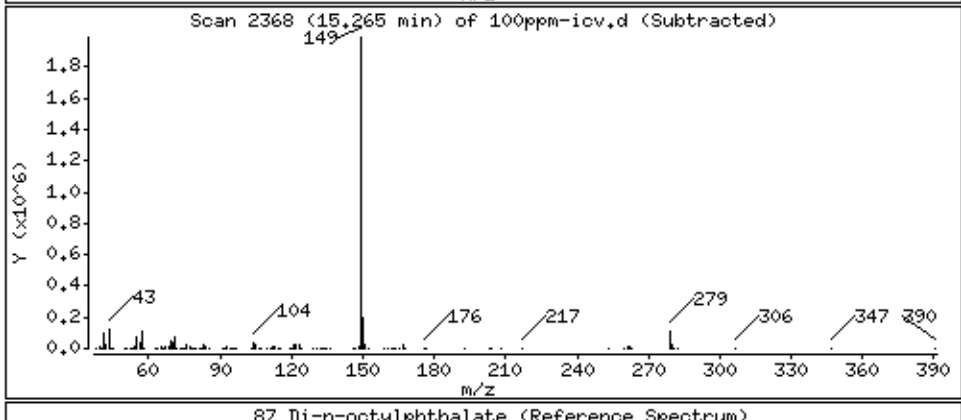
Column phase: .50um DB-5ms

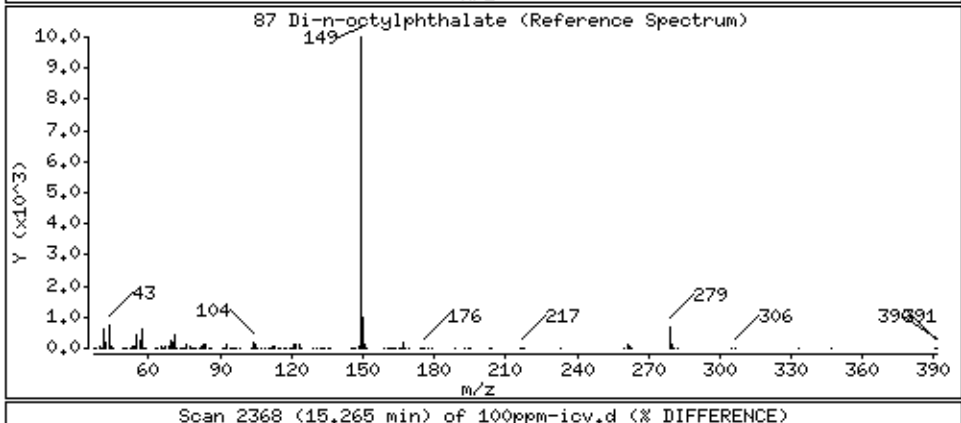
Column diameter: 0.25

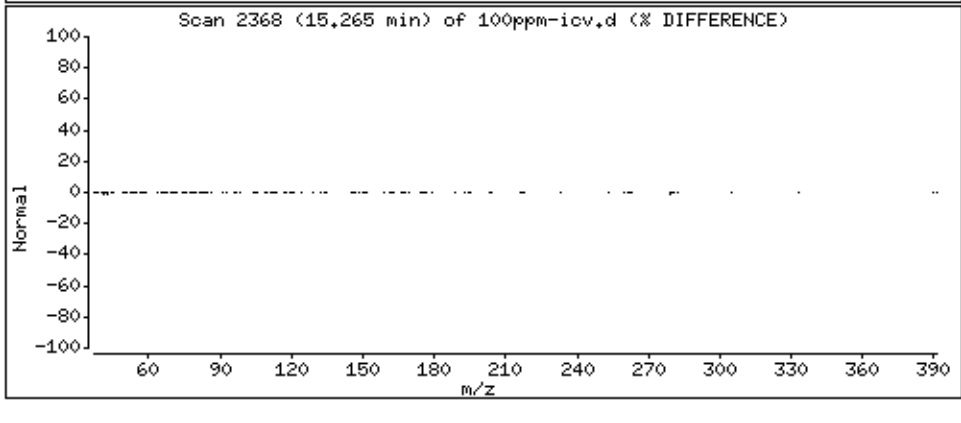
87 Di-n-octylphthalate

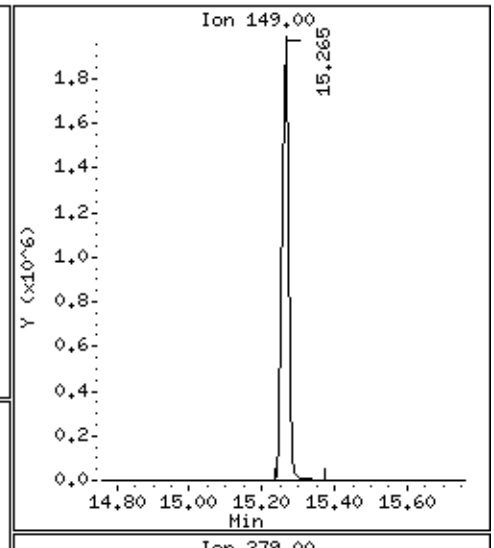
Concentration: 100.7 ug/L

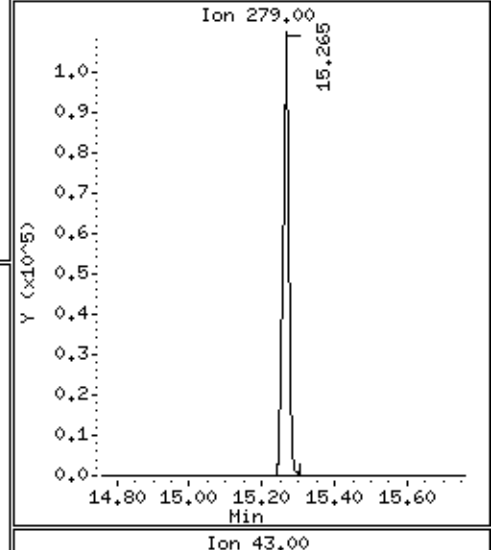


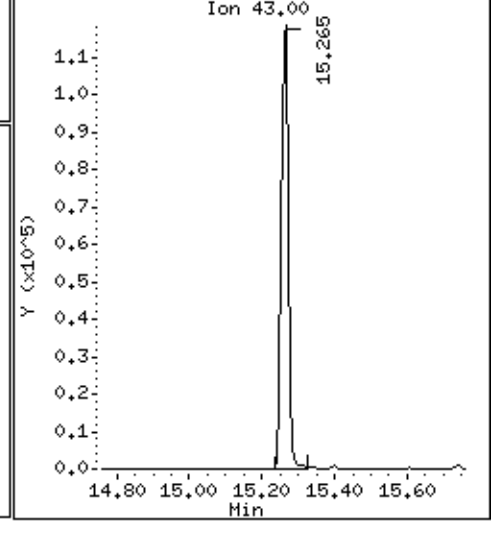












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

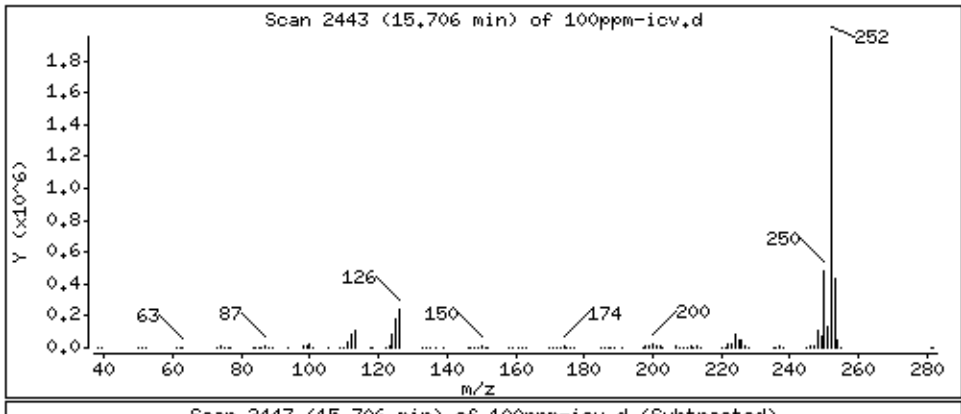
Operator: SN

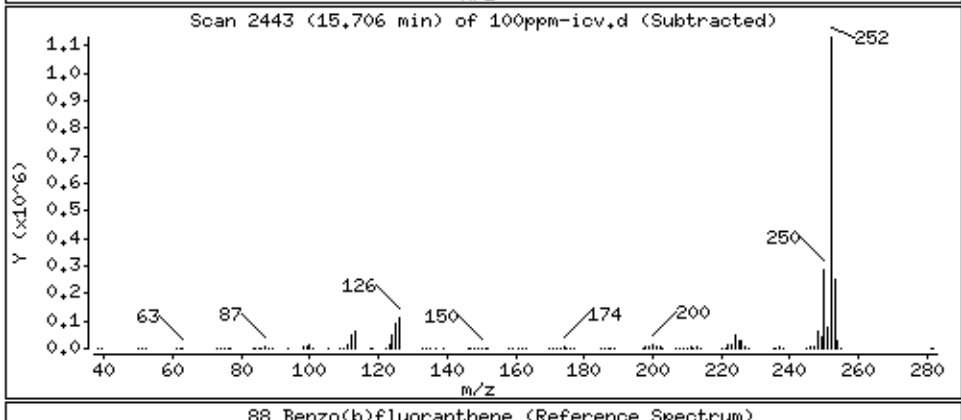
Column phase: .50um DB-5ms

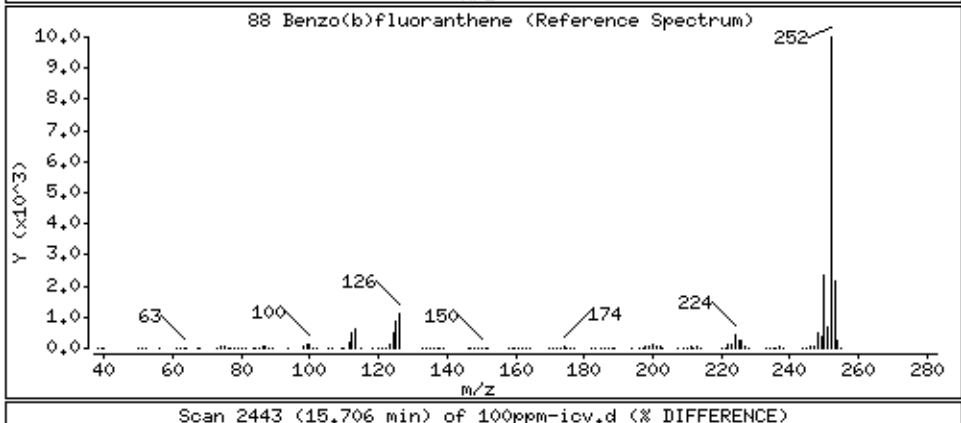
Column diameter: 0.25

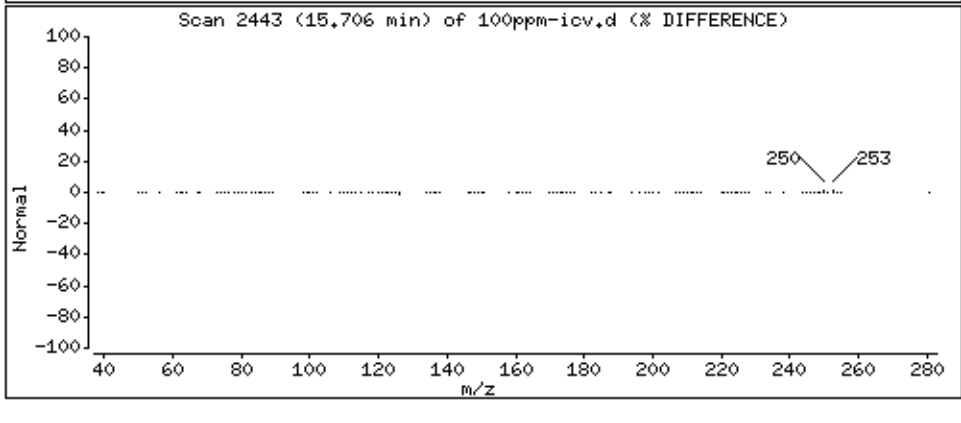
88 Benzo(b)fluoranthene

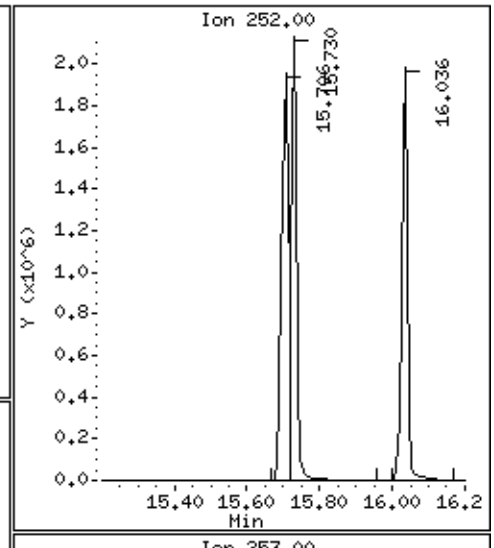
Concentration: 100.4 ug/L

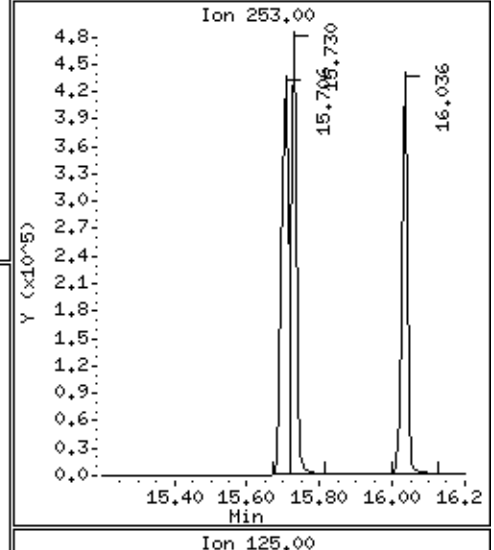


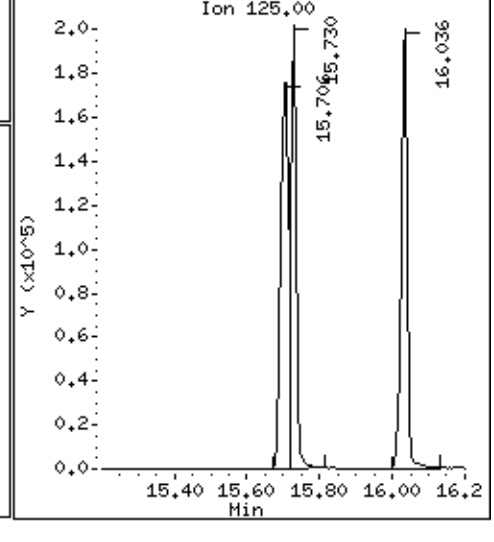












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

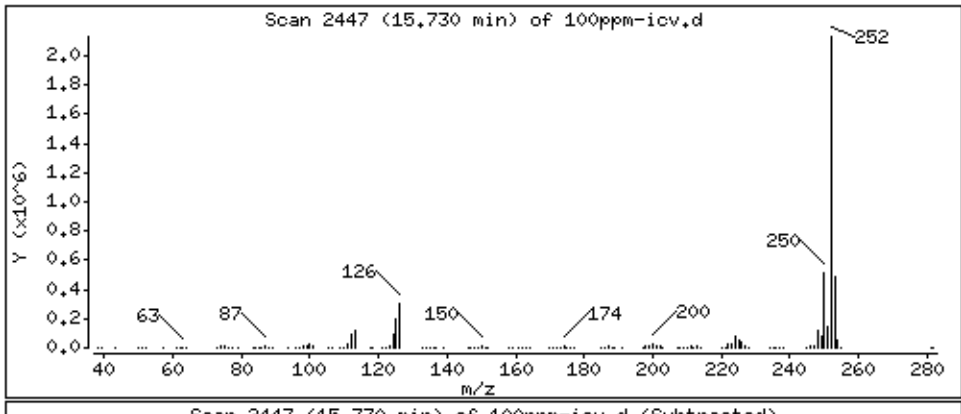
Operator: SN

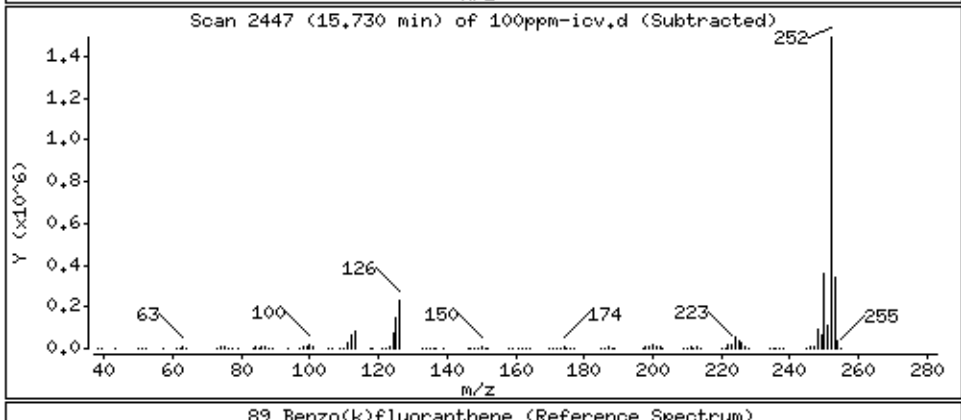
Column phase: .50um DB-5ms

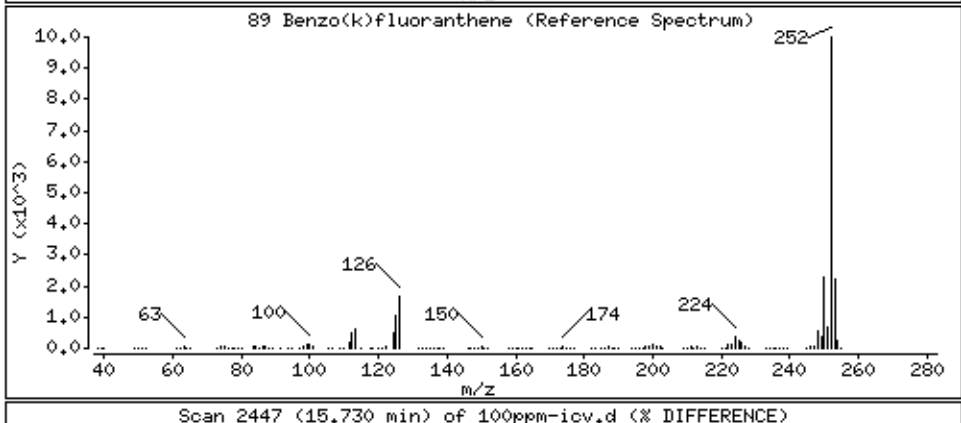
Column diameter: 0.25

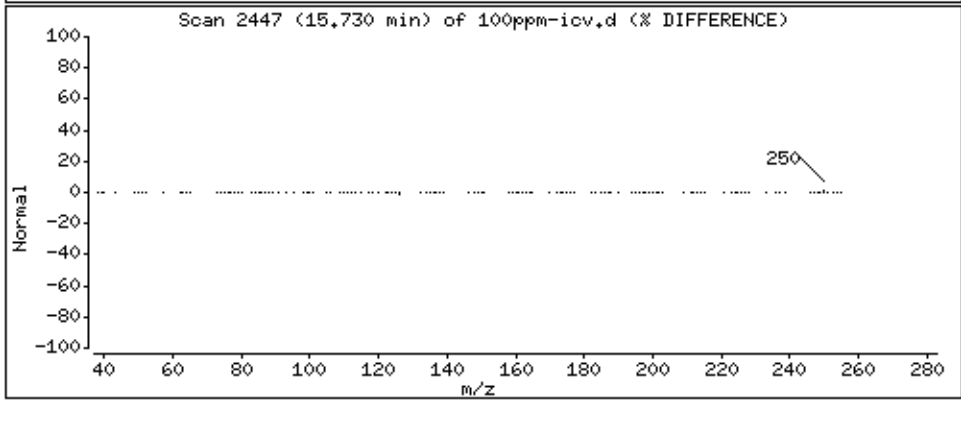
89 Benzo(k)fluoranthene

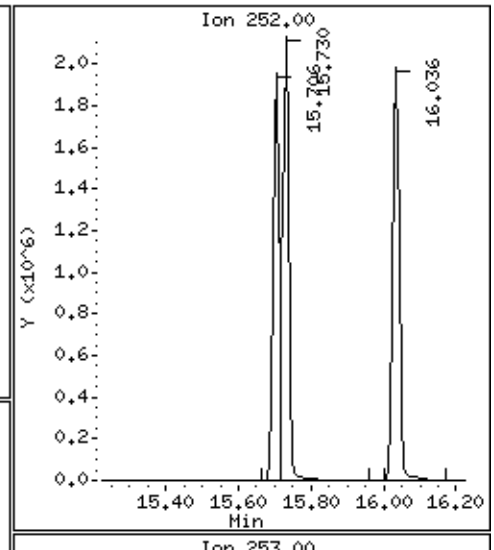
Concentration: 95.86 ug/L

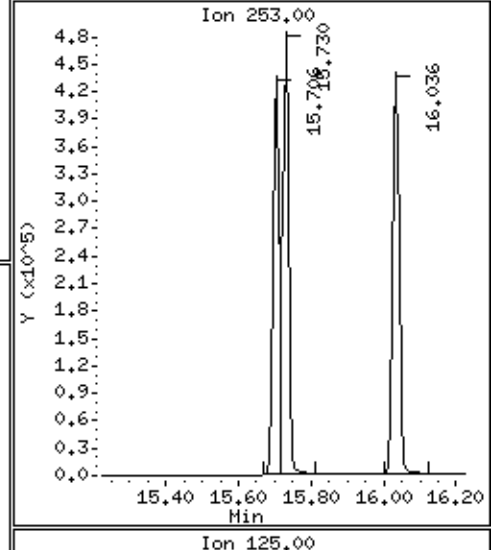


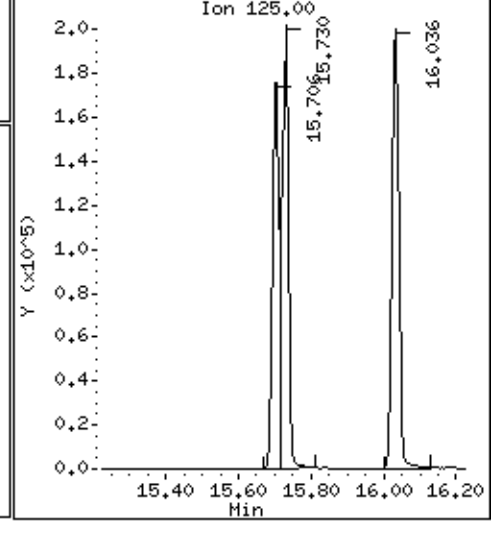












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

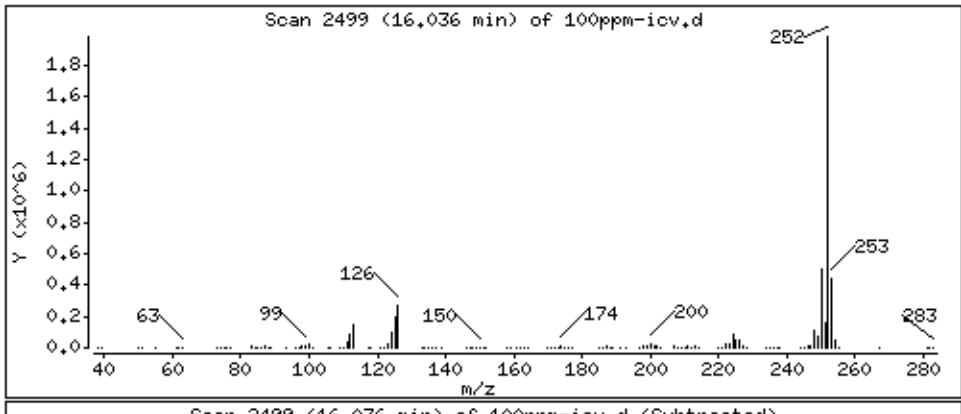
Operator: SN

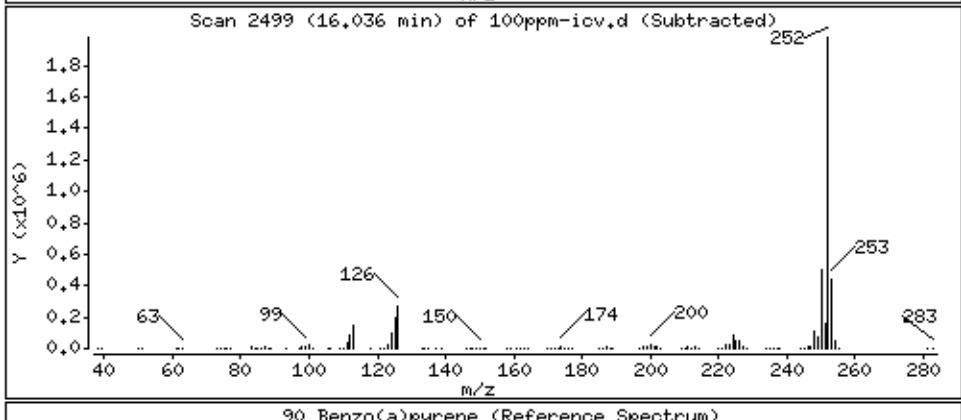
Column phase: .50um DB-5ms

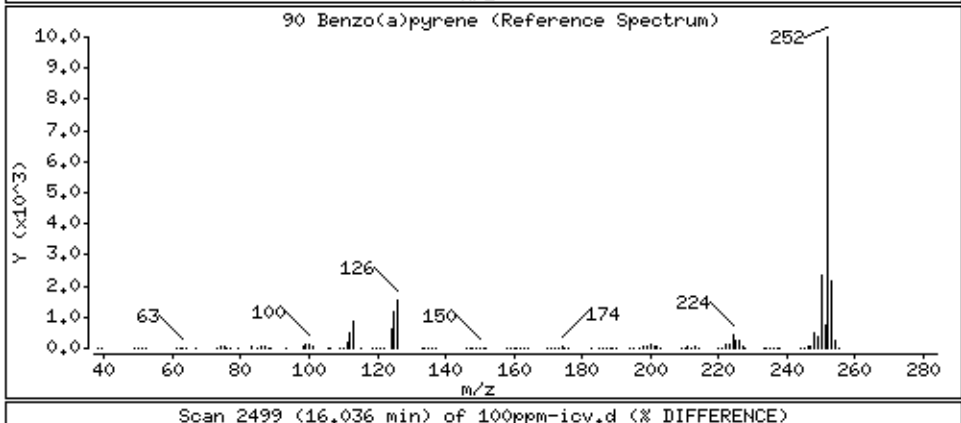
Column diameter: 0.25

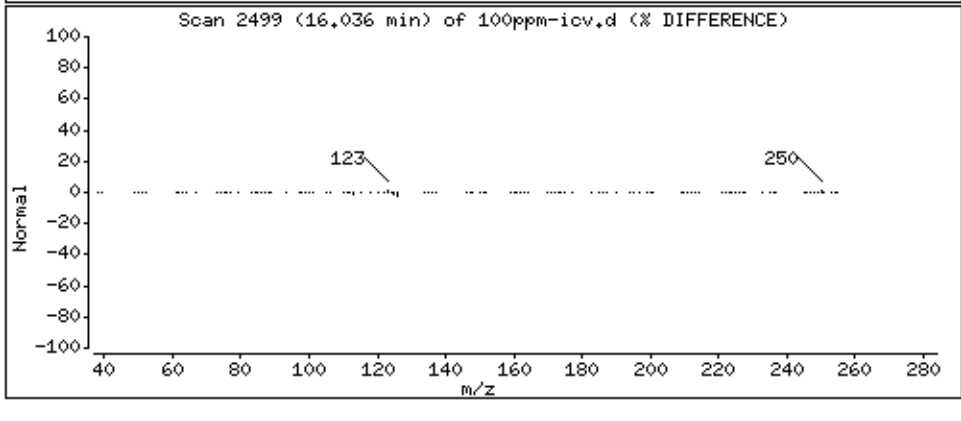
90 Benzo(a)pyrene

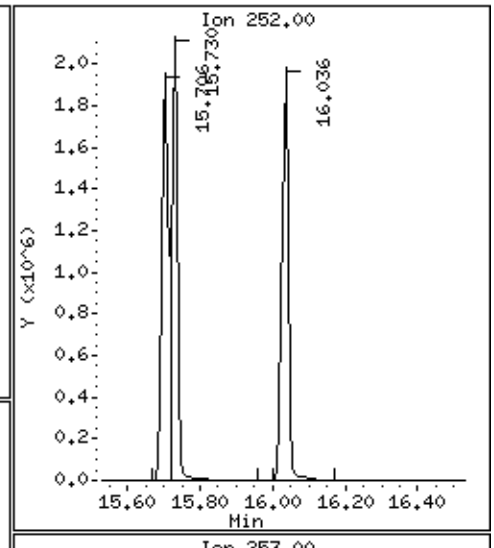
Concentration: 99.64 ug/L

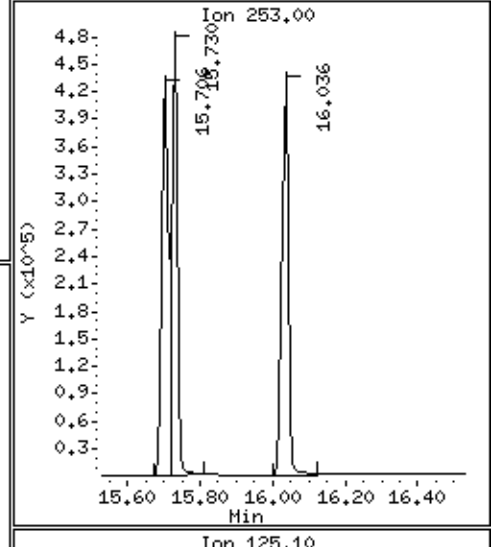


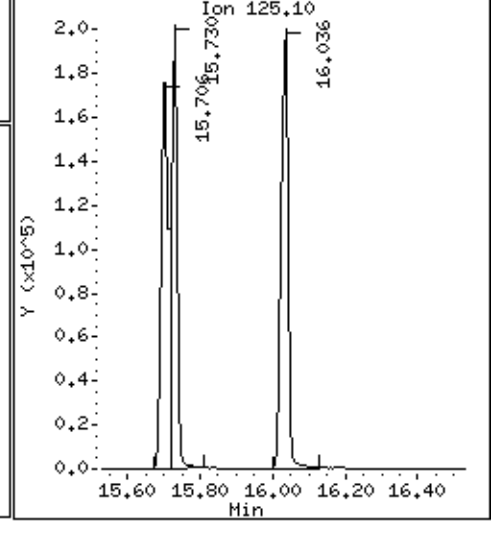












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

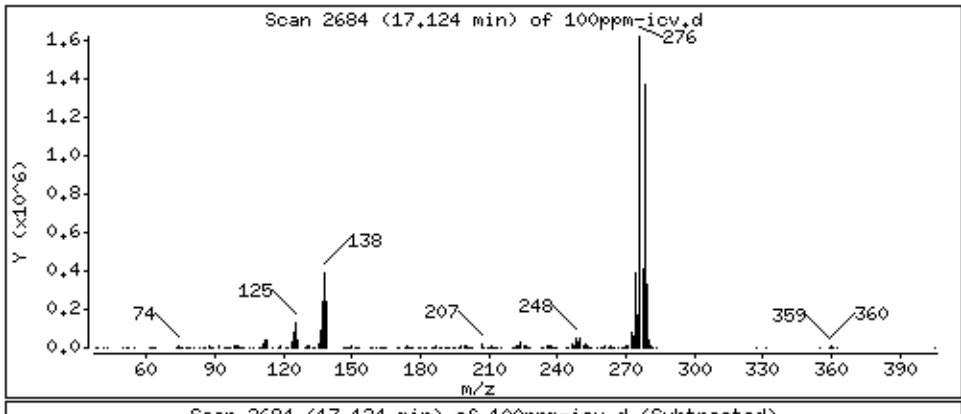
Operator: SN

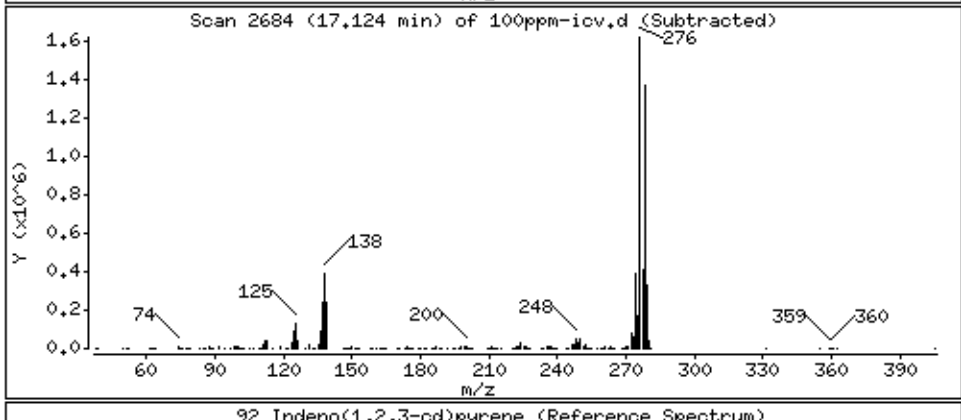
Column phase: .50um DB-5ms

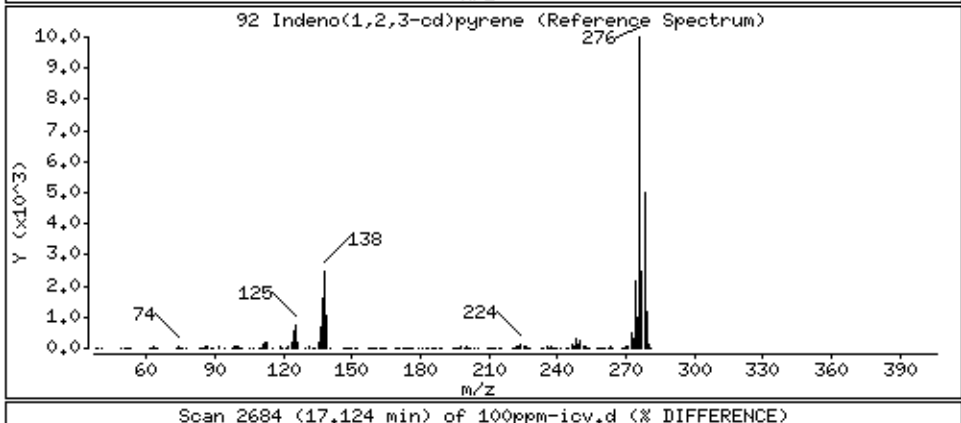
Column diameter: 0.25

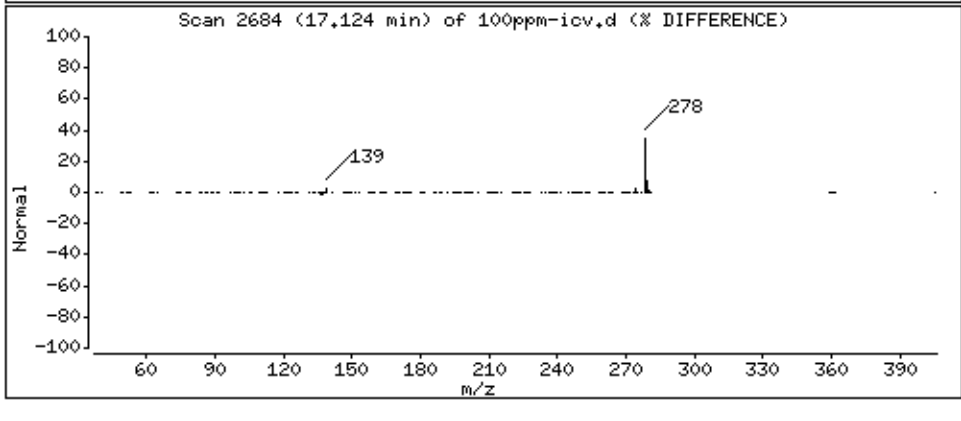
92 Indeno(1,2,3-cd)pyrene

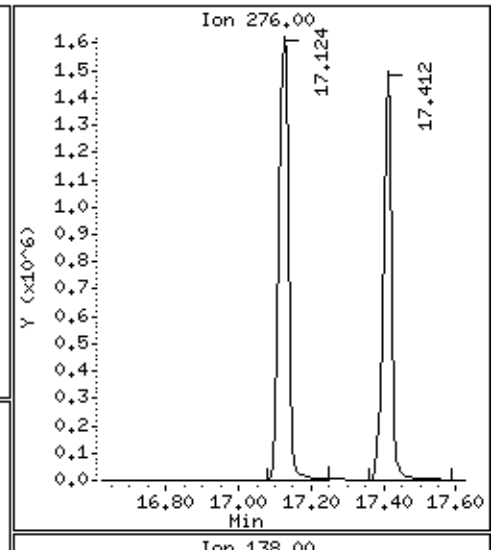
Concentration: 95.62 ug/L

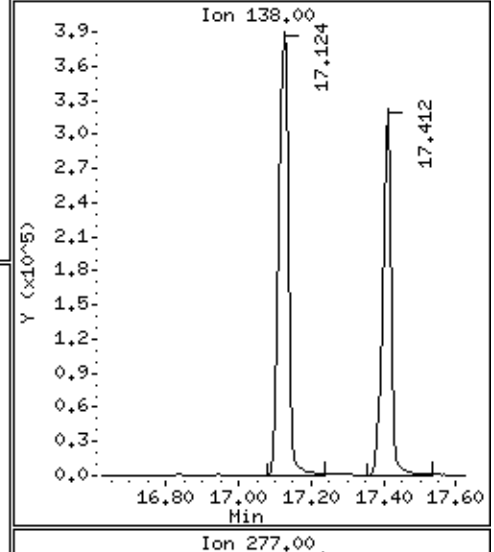


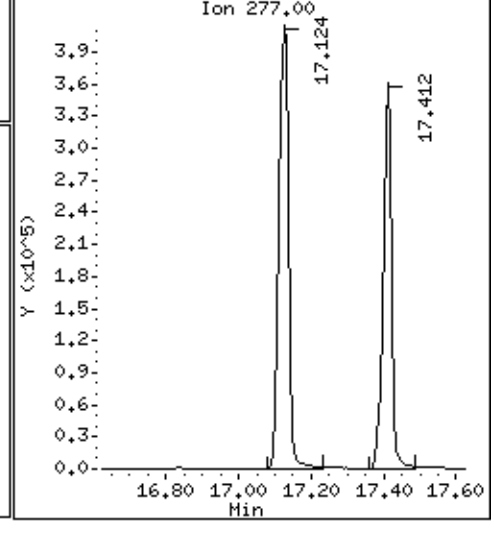












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

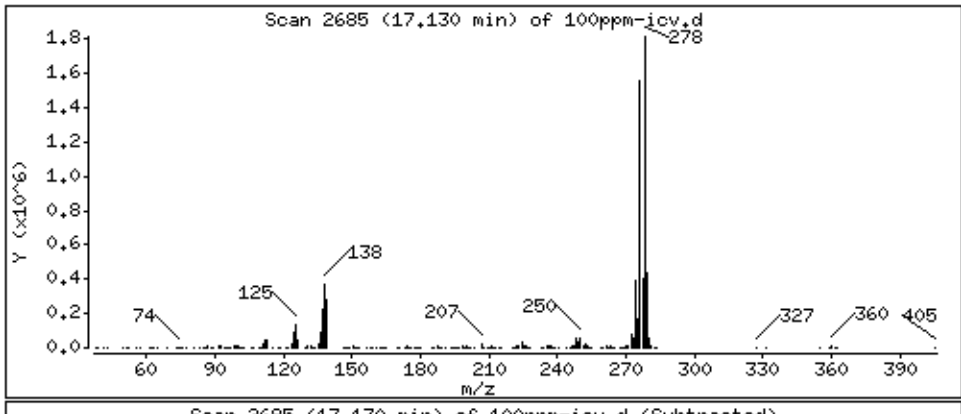
Operator: SN

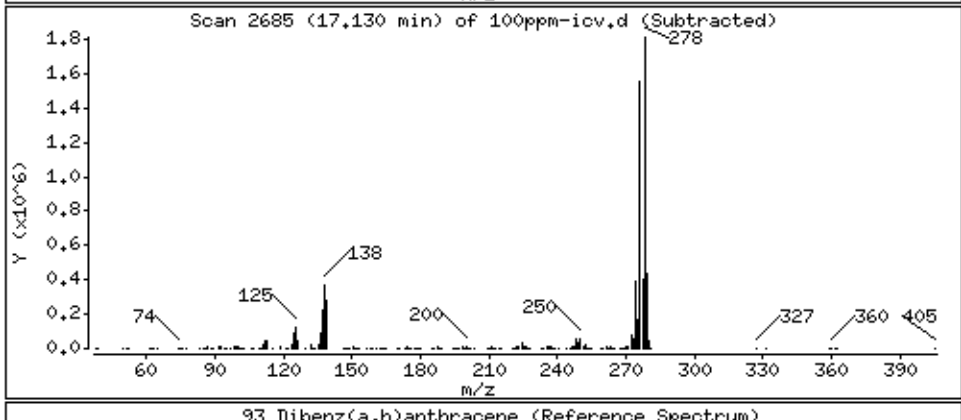
Column phase: .50um DB-5ms

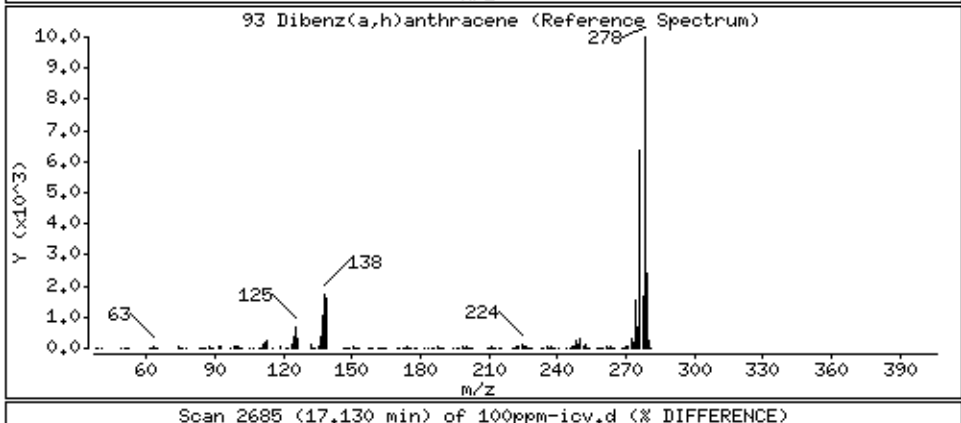
Column diameter: 0.25

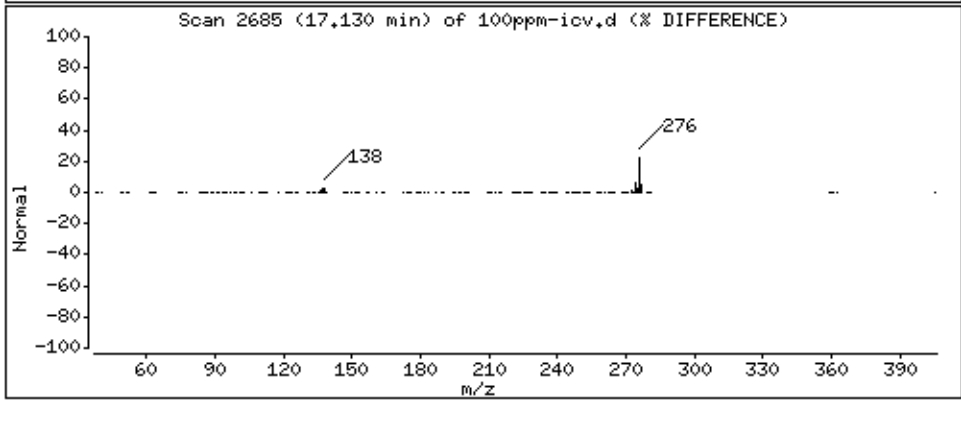
93 Dibenz(a,h)anthracene

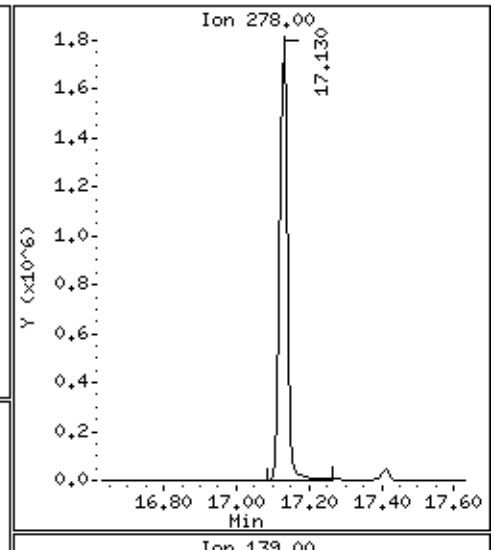
Concentration: 100.6 ug/L

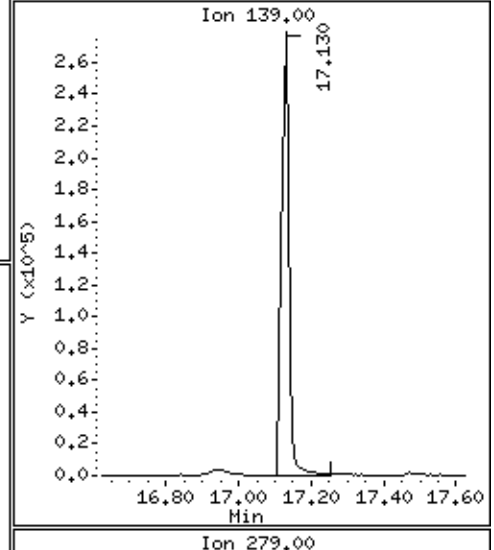


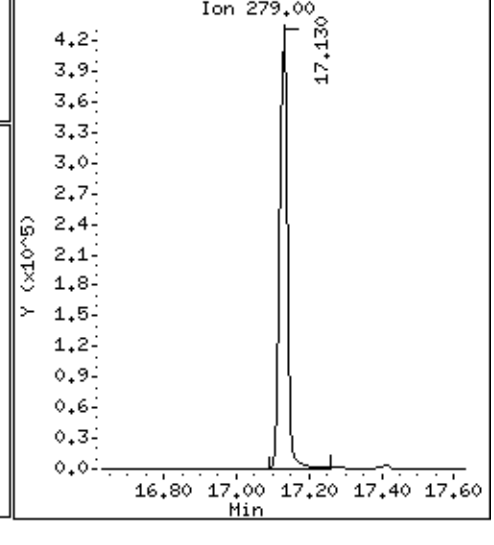












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

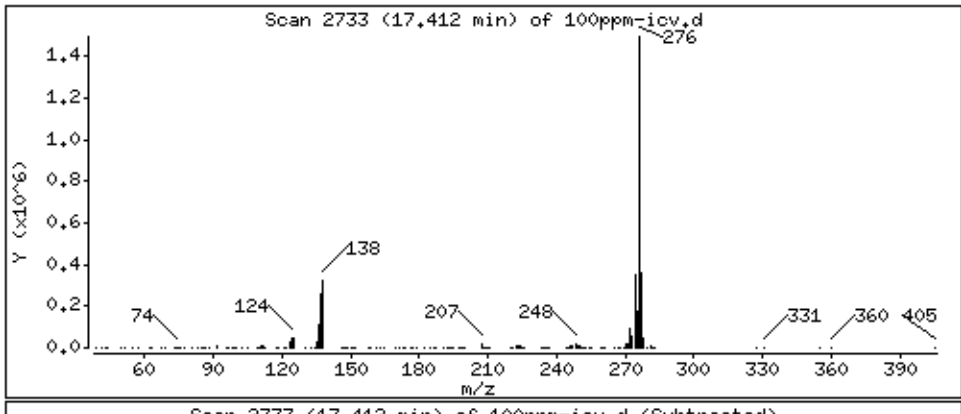
Operator: SN

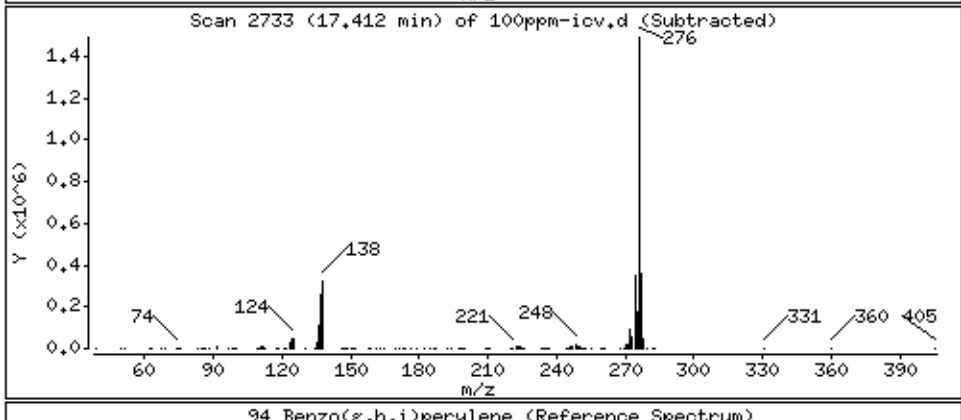
Column phase: .50um DB-5ms

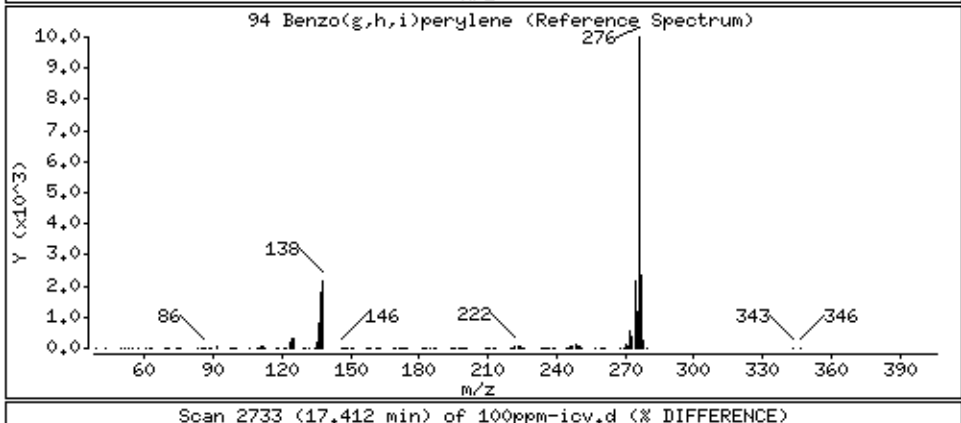
Column diameter: 0.25

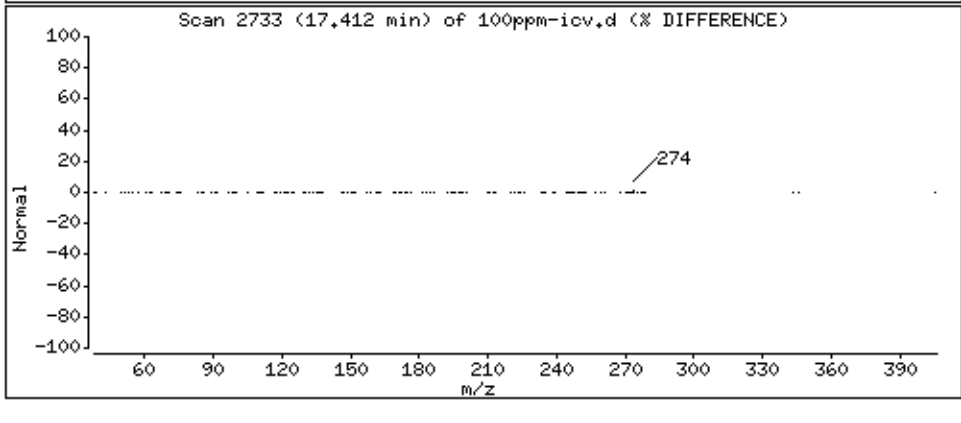
94 Benzo(g,h,i)perylene

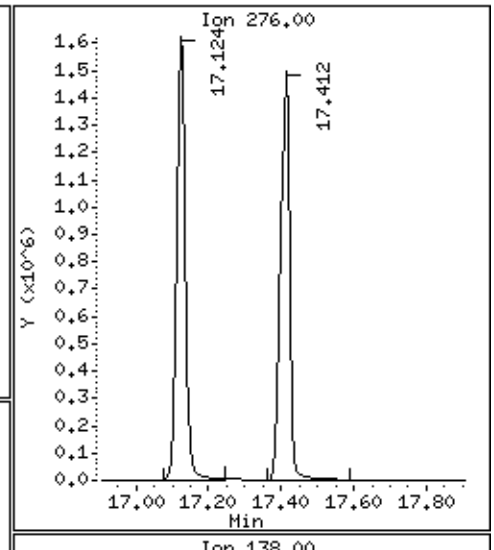
Concentration: 98.25 ug/L

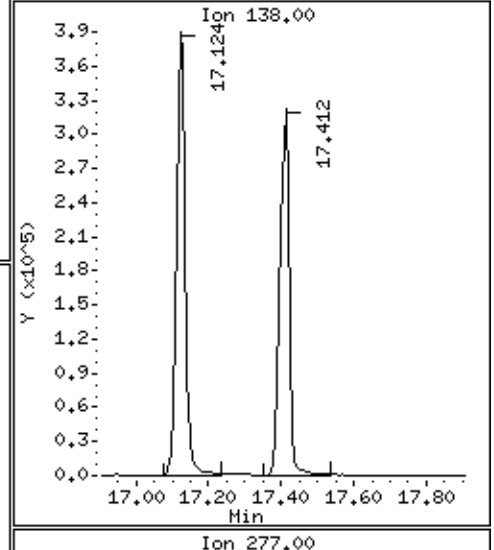


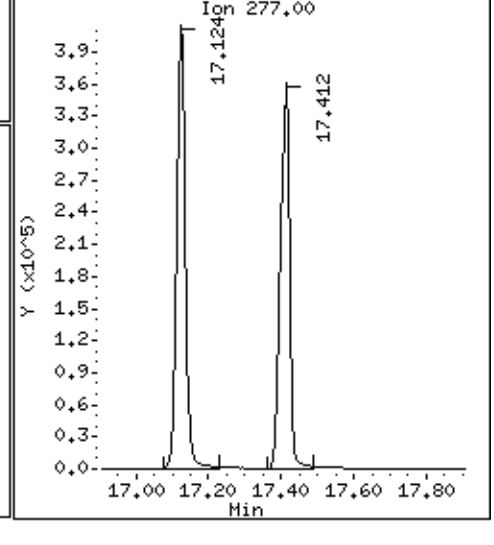












Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\070114.b\100ppm-a.d
Lab Smp Id: CCV,71647:1
Inj Date : 01-JUL-2014 13:42
Operator : SN Inst ID: 50MSS2.i
Smp Info : ccv,71647:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\070114.b\8270c.m
Meth Date : 02-Jul-2014 07:29 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 15:04 Cal File: 100ppm.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * 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

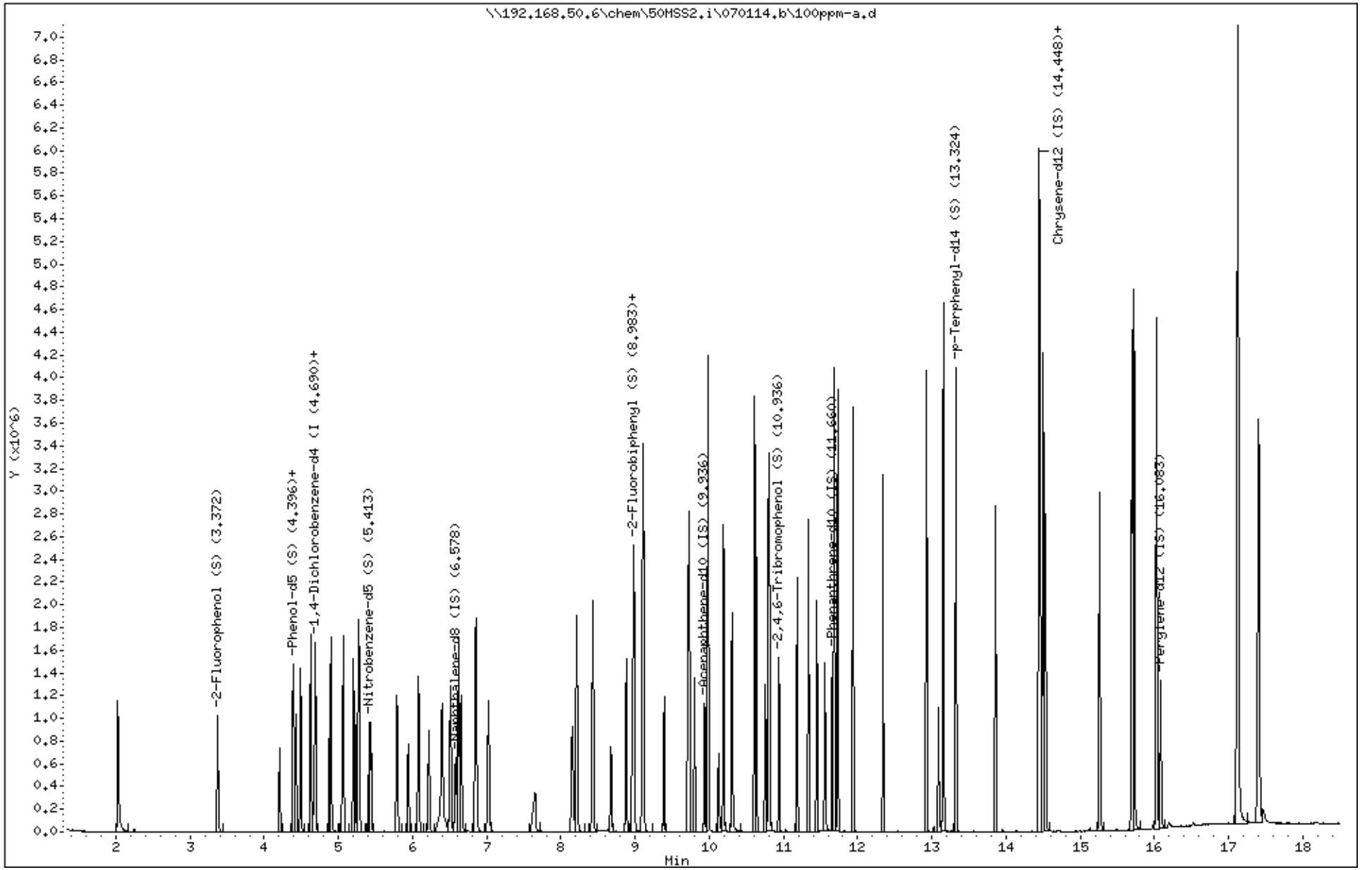
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 N-Nitrosodimethylamine	42	2.025	2.025	(0.433)	141451	100.000	107.9
	2 Pyridine	79	2.025	2.025	(0.433)	395422	100.000	109.2
$	3 2-Fluorophenol (S)	112	3.372	3.372	(0.722)	365561	100.000	108.1
	5 Benzaldehyde	77	4.207	4.207	(0.901)	165464	100.000	137.6
$	6 Phenol-d5 (S)	99	4.383	4.383	(0.938)	468468	100.000	112.2
	7 Phenol	94	4.401	4.401	(0.942)	502846	100.000	111.1
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.948)	357034	100.000	109.5
	9 2-Chlorophenol	128	4.489	4.489	(0.961)	446863	100.000	108.3
	10 1,3-Dichlorobenzene	146	4.624	4.624	(0.990)	491411	100.000	107.1
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	124124	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	490062	100.000	107.2
	13 Benzyl Alcohol	108	4.883	4.883	(1.045)	279622	100.000	115.2
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.049)	473150	100.000	107.7
	15 2-Methylphenol	108	5.066	5.066	(1.084)	373263	100.000	109.3
	16 bis(2chloro1methylethyl) ether	45	5.054	5.054	(1.082)	427481	100.000	114.7
	17 2,2'-Oxybis(1-chloropropane)	45	5.054	5.054	(1.082)	427481	100.000	114.7
	18 bis(2-Chloroisopropyl)ether	45	5.054	5.054	(1.082)	427481	100.000	114.7
	20 3&4-Methylphenol	108	5.266	5.266	(1.127)	411414	100.000	112.5
	19 Acetophenone	105	5.201	5.201	(1.113)	569853	100.000	111.2
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.122)	260870	100.000	112.6
	22 Hexachloroethane	117	5.277	5.277	(1.130)	166459	100.000	104.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	383808	100.000	108.1
	24 Nitrobenzene	77	5.436	5.436	(0.827)	384451	100.000	106.2
	25 Isophorone	82	5.789	5.789	(0.880)	735763	100.000	106.3
	26 2-Nitrophenol	139	5.942	5.942	(0.903)	257945	100.000	110.4
	27 2,4-Dimethylphenol	122	6.077	6.077	(0.924)	388879	100.000	105.2
	28 Benzoic Acid	122	6.377	6.377	(0.970)	128837	100.000	104.7
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	468811	100.000	106.1
	30 2,4-Dichlorophenol	162	6.395	6.395	(0.972)	406702	100.000	108.0
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	431648	100.000	104.8
*	32 Naphthalene-d8 (IS)	136	6.577	6.577	(1.000)	504760	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	1342096	100.000	106.0
	35 4-Chloroaniline	127	6.854	6.854	(1.042)	547002	100.000	111.1
	34 2,6-Dichlorophenol	162	6.854	6.854	(1.042)	393266	100.000	107.3
	36 Hexachlorobutadiene	225	7.024	7.024	(1.068)	259887	100.000	103.6
	37 Caprolactam	113	7.648	7.648	(1.163)	131090	100.000	123.8
	38 4-Chloro-3-methylphenol	107	8.148	8.148	(1.239)	377313	100.000	112.5
	39 2-Methylnaphthalene	142	8.212	8.212	(1.249)	954503	100.000	108.0
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	920498	100.000	107.9
	43 Hexachlorocyclopentadiene	237	8.671	8.671	(0.873)	168411	100.000	84.96
	44 2,4,6-Trichlorophenol	196	8.877	8.877	(0.893)	323435	100.000	106.8
	45 2,4,5-Trichlorophenol	196	8.959	8.959	(0.902)	334810	100.000	107.0
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	1017008	100.000	102.6
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	1142368	100.000	103.3
	47 2-Chloronaphthalene	162	9.101	9.101	(0.916)	875741	100.000	104.6
	49 2-Nitroaniline	65	9.389	9.389	(0.945)	214405	100.000	113.0
	50 Dimethylphthalate	163	9.712	9.712	(0.978)	1022522	100.000	105.0
	51 Acenaphthylene	152	9.724	9.724	(0.979)	1513937	100.000	106.6
	52 2,6-Dinitrotoluene	165	9.801	9.801	(0.986)	232894	100.000	111.4
	54 3-Nitroaniline	138	9.989	9.989	(1.005)	254918	100.000	115.1
*	53 Acenaphthene-d10 (IS)	164	9.936	9.936	(1.000)	308536	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.005)	927100	100.000	108.3
	56 2,4-Dinitrophenol	184	10.124	10.124	(1.019)	141782	100.000	106.2
	58 4-Nitrophenol	109	10.301	10.301	(1.037)	122126	100.000	119.4
	57 Dibenzofuran	168	10.189	10.189	(1.025)	1319559	100.000	105.4
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	327465	100.000	113.2
	60 Diethylphthalate	149	10.606	10.606	(1.067)	984601	100.000	123.6
	61 Fluorene	166	10.612	10.612	(1.068)	1053224	100.000	119.8
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	517623	100.000	103.6
	63 4-Nitroaniline	138	10.753	10.753	(1.082)	280411	100.000	117.1
	64 4,6-Dinitro-2-methylphenol	198	10.789	10.789	(0.925)	212107	100.000	120.2
	65 N-Nitrosodiphenylamine	169	10.801	10.801	(0.926)	766607	100.000	106.3
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	937517	100.000	103.2
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	234874	100.000	108.5
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	361558	100.000	102.2
	69 Hexachlorobenzene	284	11.336	11.336	(0.972)	443522	100.000	103.8
	70 Atrazine	200	11.448	11.448	(0.982)	274362	100.000	104.3
	71 Pentachlorophenol	266	11.559	11.559	(0.991)	239849	100.000	112.1
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	601416	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	1638080	100.000	107.6
	74 Anthracene	178	11.730	11.730	(1.006)	1660978	100.000	104.4
	75 Carbazole	167	11.936	11.936	(1.024)	1621118	100.000	108.5
	76 Di-n-butylphthalate	149	12.342	12.342	(1.059)	1722111	100.000	102.4
	77 Fluoranthene	202	12.930	12.930	(1.109)	1958262	100.000	111.9
	78 Benzidine	184	13.089	13.089	(1.123)	471330	100.000	111.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	79 Pyrene	202	13.153	13.153	(1.128)	2041731	100.000	112.0
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1266711	100.000	106.5
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	827931	100.000	103.0
	82 Benzo(a)anthracene	228	14.447	14.447	(0.999)	2083017	100.000	106.4
	83 3,3'-Dichlorobenzidine	252	14.453	14.453	(0.999)	701900	100.000	106.8
*	84 Chrysene-d12 (IS)	240	14.465	14.465	(1.000)	782760	40.0000	
	85 Chrysene	228	14.500	14.500	(1.002)	1958571	100.000	105.7
	86 bis(2-Ethylhexyl)phthalate	149	14.530	14.530	(1.004)	1161659	100.000	100.6
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	1999419	100.000	101.6
	88 Benzo(b)fluoranthene	252	15.700	15.700	(0.976)	2409806	100.000	108.4
	89 Benzo(k)fluoranthene	252	15.724	15.724	(0.978)	2397466	100.000	106.5
	90 Benzo(a)pyrene	252	16.030	16.030	(0.997)	2159833	100.000	109.4
*	91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	539114	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.124	17.124	(1.065)	2851285	100.000	110.8
	93 Dibenz(a,h)anthracene	278	17.124	17.124	(1.065)	2289607	100.000	111.2
	94 Benzo(g,h,i)perylene	276	17.406	17.406	(1.082)	2425671	100.000	110.3

Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\100ppm-a.d
Date : 01-JUL-2014 13:42
Client ID:
Sample Info: CCV,71647:1
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\dftpp-a.d

Date : 27-JUN-2014 12:42

Client ID: DFTPP

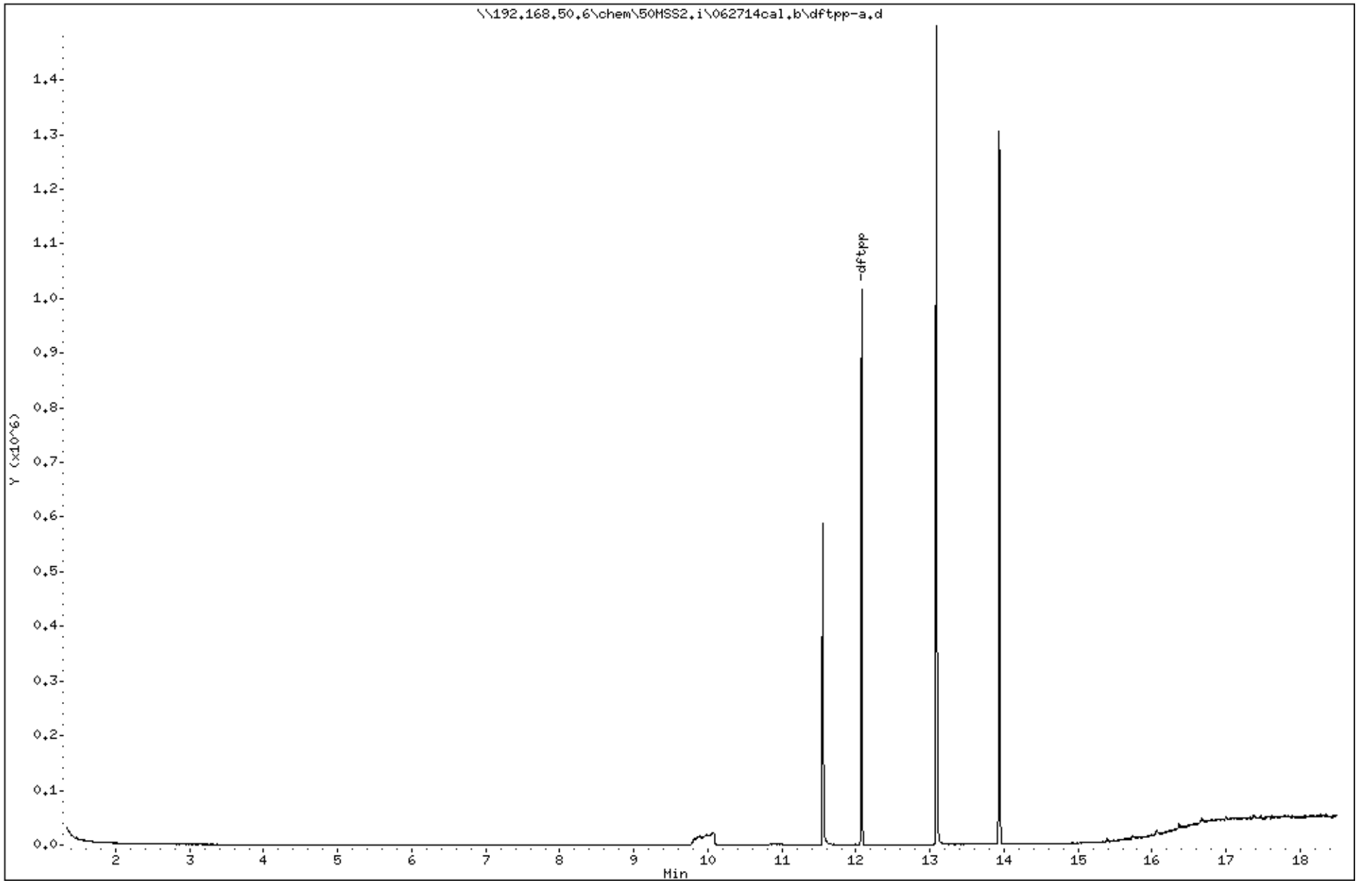
Instrument: 50MSS2.i

Sample Info: TUNE,71356:1

Operator: SN

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\dftpp-a.d

Date : 27-JUN-2014 12:42

Client ID: DFTPP

Instrument: 50MSS2.i

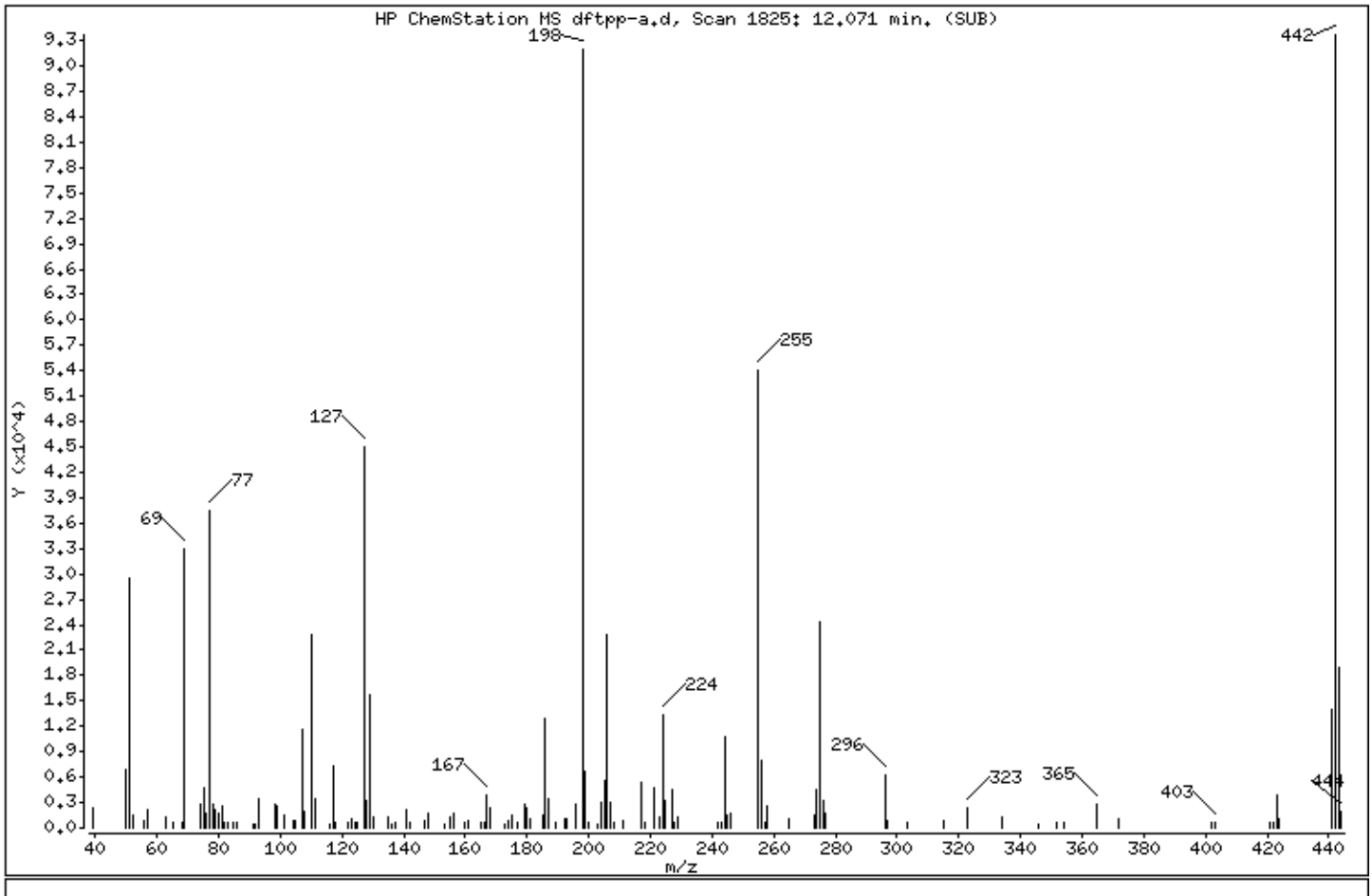
Sample Info: TUNE,71356:1

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	32.16
68	Less than 2.00% of mass 69	0.63 (1.75)
69	Mass 69 relative abundance	35.83
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.82
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.20
275	10.00 - 30.00% of mass 198	26.43
365	Greater than 1.00% of mass 198	3.03
441	Present, but less than mass 443	15.26
442	Greater than 40.00% of mass 198	101.79
443	17.00 - 23.00% of mass 442	20.63 (20.26)

Date : 27-JUN-2014 12:42

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 1825: 12.071 min. (SUB)
Location of Maximum: 442.10
Number of points: 130

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2378	111.00	3340	180.00	2282	255.00	54064
50.10	6997	116.00	520	181.00	1094	256.00	8043
51.00	29600	117.00	7305	185.00	1436	257.00	666
52.10	1400	118.00	582	186.00	12865	258.00	2670
56.00	938	122.00	700	187.00	3404	264.90	1043
57.00	2075	122.90	1065	189.00	599	273.00	1580
63.00	1299	124.00	567	192.00	1002	274.00	4436
65.10	640	124.90	578	193.00	1147	275.00	24328
67.90	576	127.00	44936	196.00	2693	276.00	3322
69.00	32976	128.00	3297	198.00	92040	277.00	1758
74.00	2879	129.00	15719	199.00	6631	296.00	6141
75.00	4705	130.00	1385	200.00	613	297.00	953
76.00	1622	135.00	1305	202.90	538	303.00	717
77.10	37480	135.90	512	204.00	2996	315.00	781
78.00	2707	137.10	746	205.00	5498	323.00	2371
79.00	2104	141.00	2057	206.00	22912	334.00	1371
80.00	1670	142.00	738	207.00	3083	346.00	502
81.00	2555	146.90	967	208.00	747	352.00	653
82.00	692	148.00	1782	211.10	780	354.00	712
83.00	659	153.00	515	217.00	5486	365.00	2788
84.90	612	155.00	1197	218.00	610	372.00	1146
86.00	718	156.00	1740	221.00	4773	402.00	562
91.00	521	159.90	563	223.00	1335	403.00	725
92.00	530	161.00	922	224.00	13306	421.00	613
93.00	3514	165.00	682	225.00	3324	422.00	641
98.00	2773	166.00	611	227.00	4573	423.10	3981
99.00	2657	167.00	3914	227.90	722	424.00	1029
101.00	1486	168.00	2322	229.00	1197	441.10	14041
104.00	866	173.00	524	242.00	691	442.10	93688
104.90	772	174.00	862	243.00	704	443.10	18984
107.00	11584	175.00	1603	244.00	10801	444.10	2001
108.00	1938	177.00	661	245.00	1490		
110.00	22848	179.00	2856	246.00	1740		

Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\dftpp-a.d

Date : 30-JUN-2014 13:11

Client ID: DFTPP

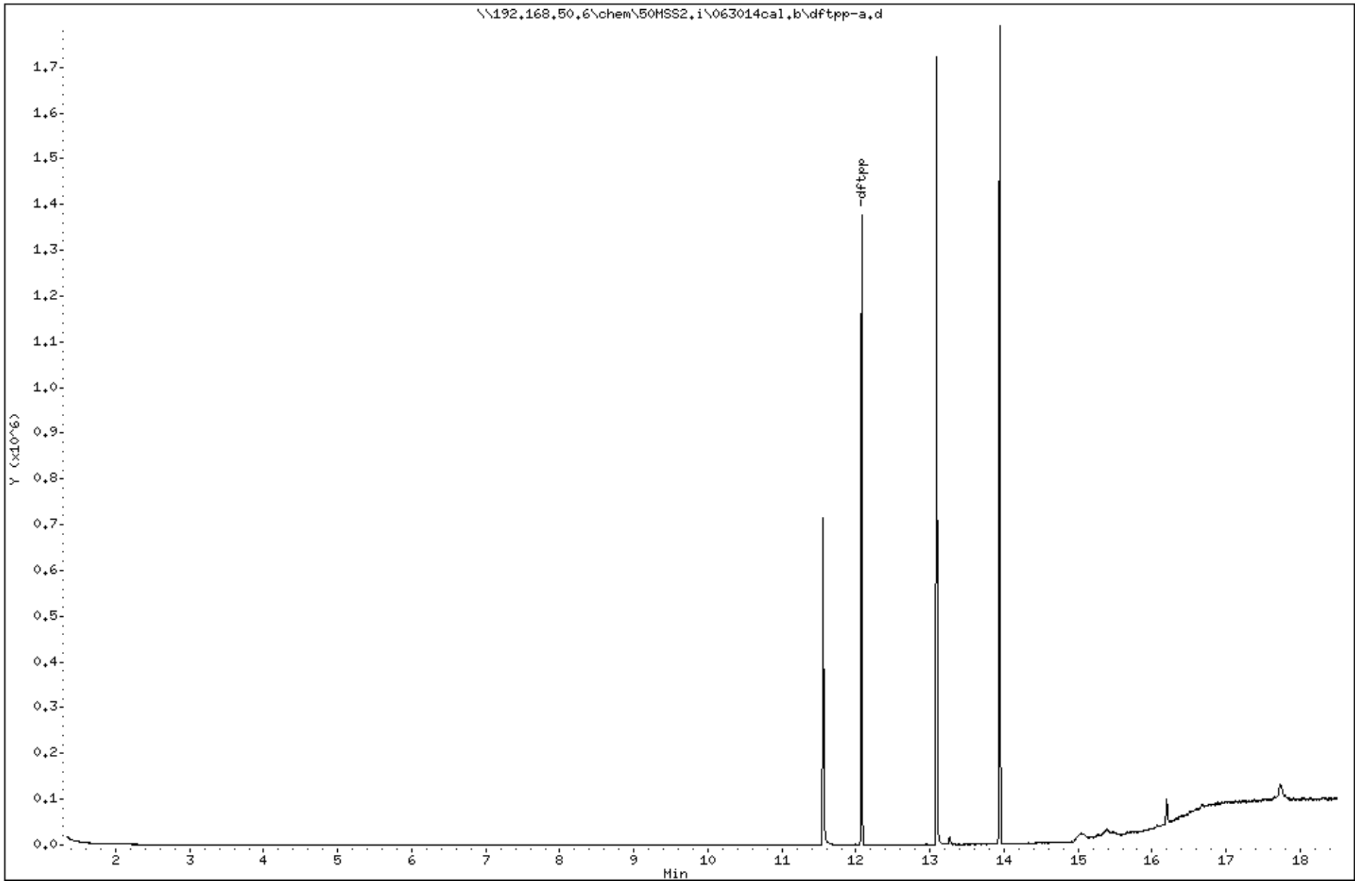
Instrument: 50MSS2.i

Sample Info: TUNE,71640:1

Operator: SN

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\dftpp-a.d

Date : 30-JUN-2014 13:11

Client ID: DFTPP

Instrument: 50MSS2.i

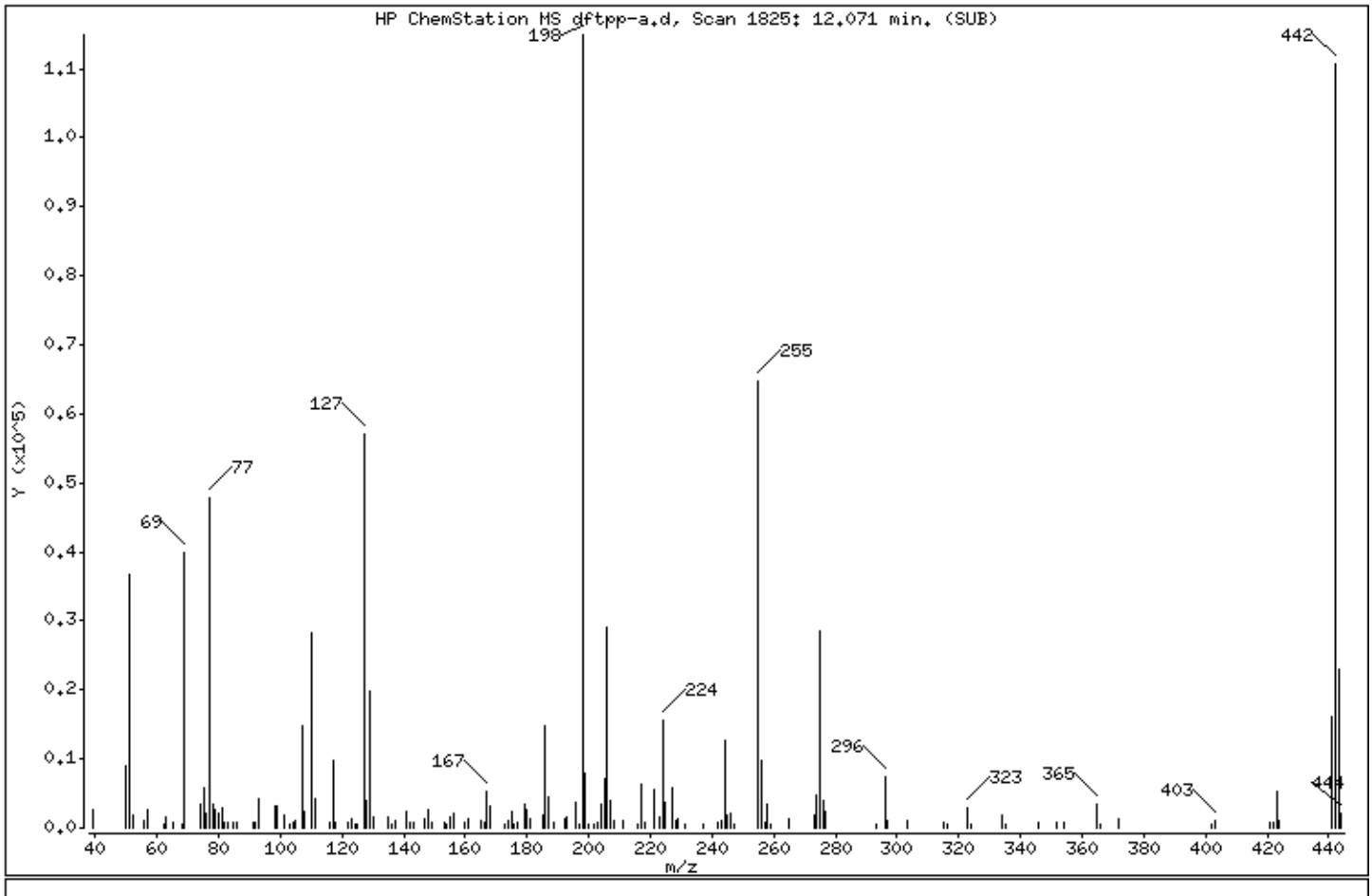
Sample Info: TUNE,71640:1

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	31.94
68	Less than 2.00% of mass 69	0.51 (1.47)
69	Mass 69 relative abundance	34.80
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	49.62
197	Less than 1.00% of mass 198	0.44
199	5.00 - 9.00% of mass 198	6.87
275	10.00 - 30.00% of mass 198	24.93
365	Greater than 1.00% of mass 198	3.07
441	Present, but less than mass 443	13.98
442	Greater than 40.00% of mass 198	96.40
443	17.00 - 23.00% of mass 442	19.95 (20.69)

Date : 30-JUN-2014 13:11

Client ID: DFTPP Instrument: 50MSS2.i

Sample Info: TUNE,71640:1

Operator: SN

Column phase: Column diameter: 2.00

Data File: dftpp-a.d
Spectrum: HP ChemStation MS dftpp-a.d, Scan 1825: 12.071 min. (SUB)
Location of Maximum: 198.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	2628	117.90	754	187.00	4464	258.00	3444
50.00	9060	122.00	865	188.90	761	258.90	596
51.10	36704	123.00	1329	192.00	1238	265.00	1295
52.00	1894	124.00	549	193.00	1561	273.00	1902
56.00	991	124.90	643	196.00	3708	274.00	4752
57.00	2618	127.00	57016	197.00	503	275.00	28648
62.00	512	128.00	4063	198.00	114912	276.00	3914
63.00	1495	129.00	19752	199.00	7894	277.00	2262
65.00	871	130.00	1554	200.00	655	293.00	586
68.10	586	135.00	1663	201.40	502	296.00	7331
69.00	39992	136.00	646	203.00	695	297.00	1119
74.00	3559	137.00	1103	204.00	3532	303.00	1019
75.00	5833	141.00	2263	205.00	7009	315.00	892
76.00	2024	142.00	754	206.00	29040	316.00	560
77.10	47736	142.90	671	207.00	4057	323.00	2775
78.00	3443	147.00	1315	207.90	952	324.00	587
79.00	2546	148.00	2695	210.90	1157	334.00	1936
80.00	2007	149.00	696	216.00	529	335.00	500
81.00	3005	153.00	807	217.00	6353	346.00	664
82.00	874	153.90	644	218.00	900	352.00	840
83.00	709	155.00	1576	221.00	5419	354.00	904
84.90	704	156.00	2221	223.00	1540	365.00	3529
86.00	753	160.00	782	224.00	15572	366.00	580
91.00	770	161.00	1289	225.00	3822	372.10	1444
92.00	848	165.00	986	227.00	5703	402.00	558
93.00	4323	166.00	724	228.00	926	403.00	973
98.00	3180	167.00	5405	229.00	1264	421.00	712
99.00	3235	168.00	3102	231.00	540	422.10	850
101.00	1890	172.90	612	237.00	612	423.00	5257
103.00	532	174.00	1143	242.00	874	424.10	1157
103.90	900	175.00	2390	243.00	977	441.10	16063
105.00	1047	175.90	605	244.00	12676	442.10	110776
107.00	14686	176.90	921	245.00	1792	443.10	22920
108.00	2363	179.00	3514	246.00	2007	444.10	2244
110.00	28160	180.00	2732	247.00	533		

Date : 30-JUN-2014 13:11

Client ID: DFTPP Instrument: 50MSS2.i

Sample Info: TUNE,71640:1

Operator: SN

Column phase: Column diameter: 2.00

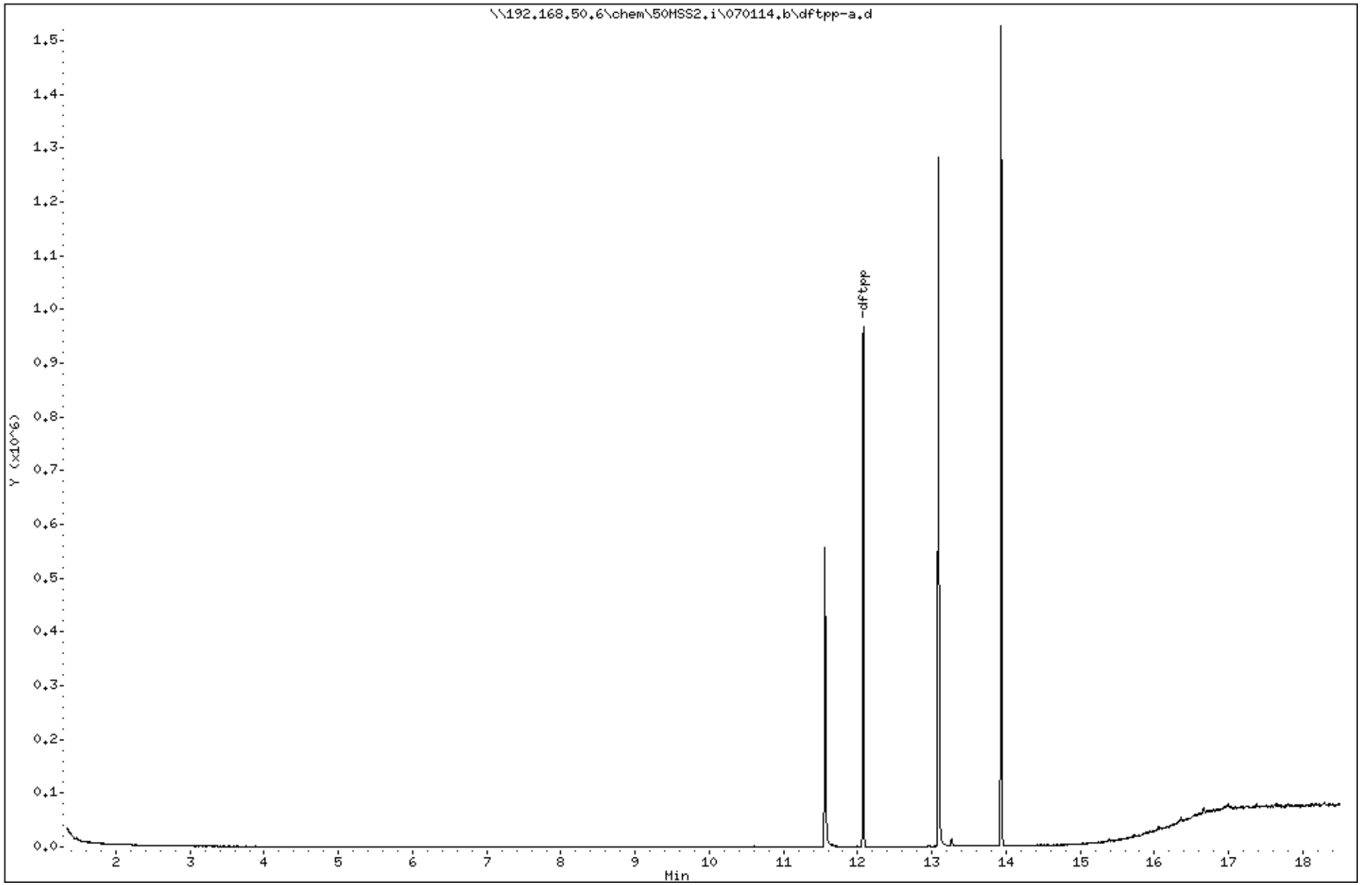
Data File: dftpp-a.d
Spectrum: HP ChemStation MS dftpp-a.d, Scan 1825: 12.071 min. (SUB)
Location of Maximum: 198.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	4141	181.00	1296	255.00	64648		
116.00	665	185.00	1954	256.00	9763		
117.00	9663	186.00	14869	257.00	797		

Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\dftpp-a.d
Date : 01-JUL-2014 13:19
Client ID: DFTPP
Sample Info: TUNE,71640:1

Instrument: 50MSS2.i
Operator: SN
Column diameter: 2.00

Column phase:



Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\dftpp-a.d

Date : 01-JUL-2014 13:19

Client ID: DFTPP

Instrument: 50MSS2.i

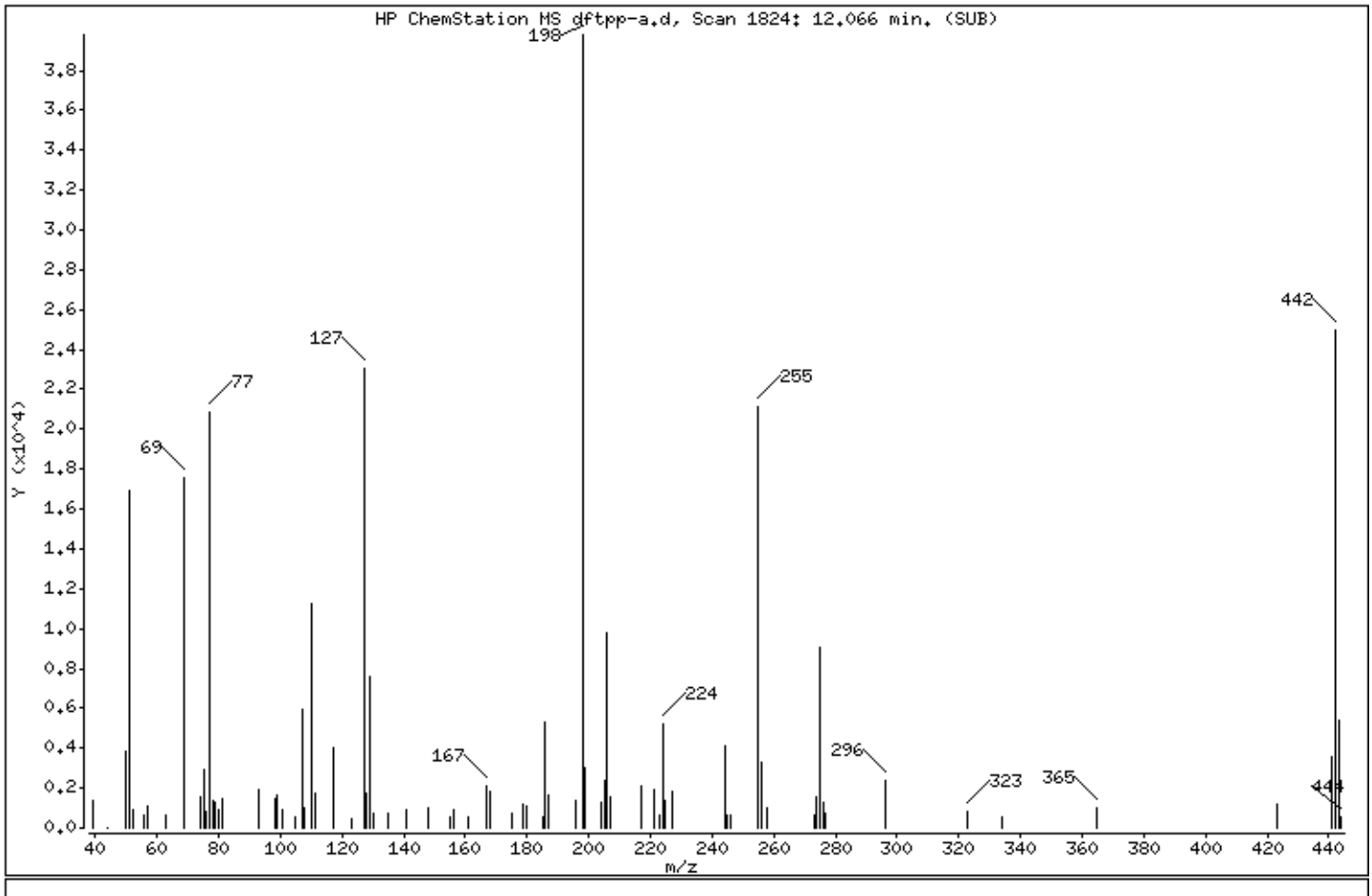
Sample Info: TUNE,71640:1

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	42.48
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	44.15
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	57.84
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.49
275	10.00 - 30.00% of mass 198	22.83
365	Greater than 1.00% of mass 198	2.49
441	Present, but less than mass 443	8.97
442	Greater than 40.00% of mass 198	62.83
443	17.00 - 23.00% of mass 442	13.61 (21.66)

Date : 01-JUL-2014 13:19

Client ID: DFTPP Instrument: 50MSS2.i

Sample Info: TUNE,71640:1

Operator: SN

Column phase: Column diameter: 2.00

Data File: dftpp-a.d
Spectrum: HP ChemStation MS dftpp-a.d, Scan 1824: 12.066 min. (SUB)
Location of Maximum: 198.00
Number of points: 79

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.00	1417	100.90	898	175.00	701	245.00	621
43.90	9	105.00	510	178.90	1230	246.00	655
50.00	3844	107.00	5982	180.00	1097	255.00	21096
51.00	16904	108.00	1016	184.90	579	256.00	3258
52.00	959	110.00	11231	186.00	5264	258.00	1022
55.90	600	111.00	1743	187.00	1633	273.00	644
57.00	1140	117.00	3985	196.00	1383	274.00	1523
63.00	602	123.00	502	198.00	39792	275.00	9085
69.00	17568	127.00	23016	199.00	2980	276.00	1324
74.00	1534	128.00	1773	204.00	1313	277.00	744
75.00	2922	129.00	7582	205.00	2406	296.00	2351
76.00	860	130.00	746	206.00	9808	323.00	819
77.00	20824	135.00	706	207.00	1598	334.00	562
78.00	1409	141.00	906	217.00	2124	365.00	990
79.00	1243	148.00	1048	221.00	1933	423.00	1227
80.00	873	155.00	573	223.00	656	441.00	3571
81.00	1423	156.00	954	224.00	5186	442.10	25000
93.00	1879	160.90	525	225.00	1372	443.10	5416
98.00	1430	167.00	2121	227.00	1842	444.10	586
99.00	1611	168.00	1805	244.00	4100		

SAMPLE NO.

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 1117918
Date Analyzed: 06/27/2014 17:12
Lab File ID: 062714CAL.B\1117918B.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

SAMPLE NO.

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 1117918
Date Analyzed: 06/27/2014 17:12
Lab File ID: 062714CAL.B\1117918B.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
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\062714cal.b\1117918b.d
Lab Smp Id: 1117918 Client Smp ID: MB
Inj Date : 27-JUN-2014 17:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : 1117918
Misc Info : 15586
Comment   :
Method   : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 14 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

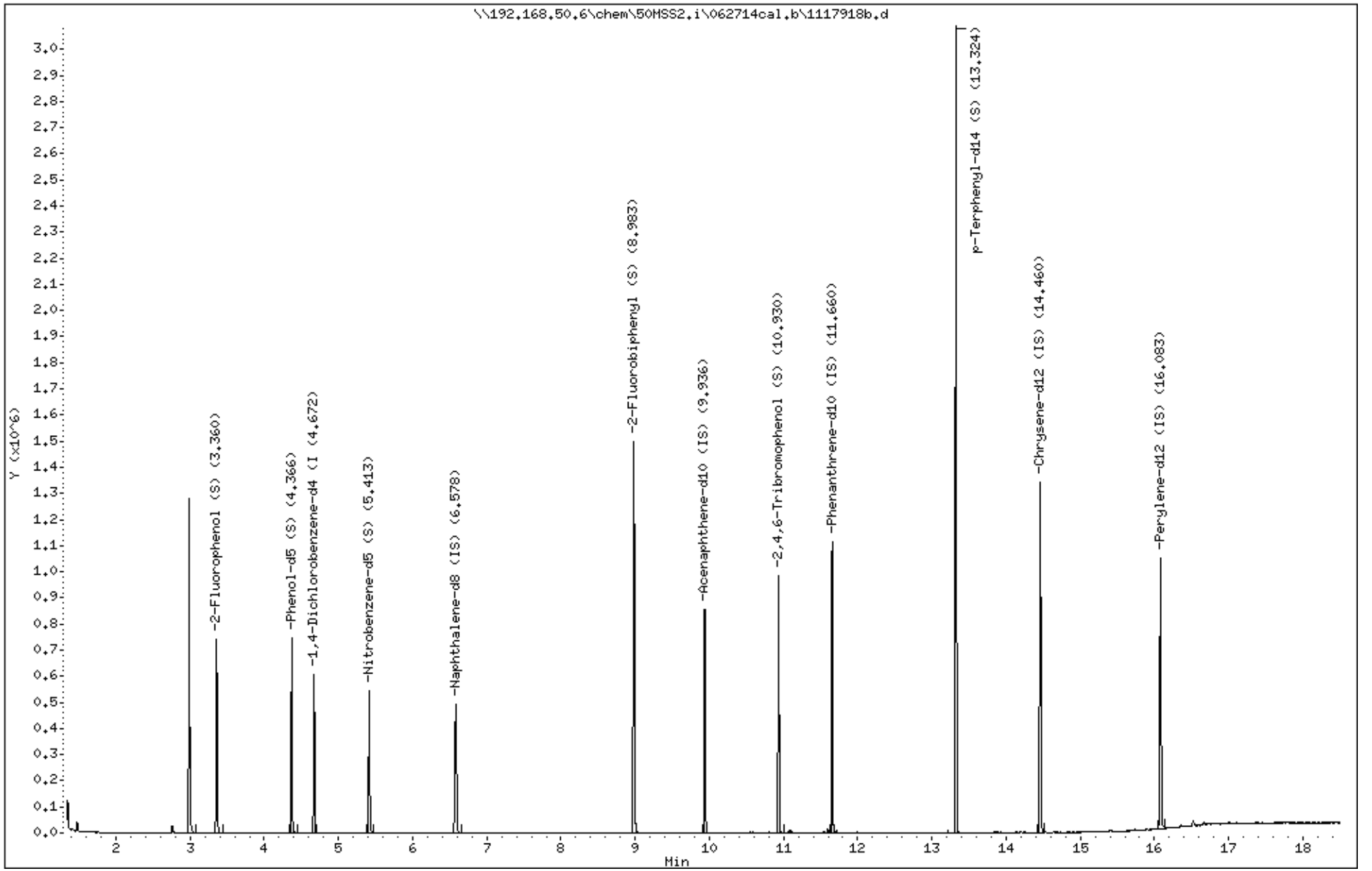
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	241986	82.8397	2761	
$ 6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	307984	82.8972	2763	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	107525	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	238743	81.9265	2731	
* 32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	408003	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	657997	84.4905	2816	
* 53 Acenaphthene-d10 (IS)	164	9.942	9.942	(1.000)	241246	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	156122	90.4693	3016	
* 72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	476330	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1096810	108.914	3630	
* 84 Chrysene-d12 (IS)	240	14.459	14.471	(1.000)	653281	40.0000		
* 91 Perylene-d12 (IS)	264	16.082	16.083	(1.000)	472817	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117918b.d
Date : 27-JUN-2014 17:12
Client ID: MB
Sample Info: 1117918
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



SAMPLE NO.

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 07/01/2014 11:55
Lab Sample ID: 1120686
Date Analyzed: 07/01/2014 15:12
Lab File ID: 070114.B\1120686B.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

SAMPLE NO.

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 07/01/2014 11:55
Lab Sample ID: 1120686
Date Analyzed: 07/01/2014 15:12
Lab File ID: 070114.B\1120686B.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
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\070114.b\1120686b.d
Lab Smp Id: 1120686 Client Smp ID: MB
Inj Date : 01-JUL-2014 15:12
Operator : SN Inst ID: 50MSS2.i
Smp Info : 1120686
Misc Info : 15623
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\070114.b\8270c.m
Meth Date : 02-Jul-2014 07:29 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 15:04 Cal File: 100ppm.d
Als bottle: 10 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

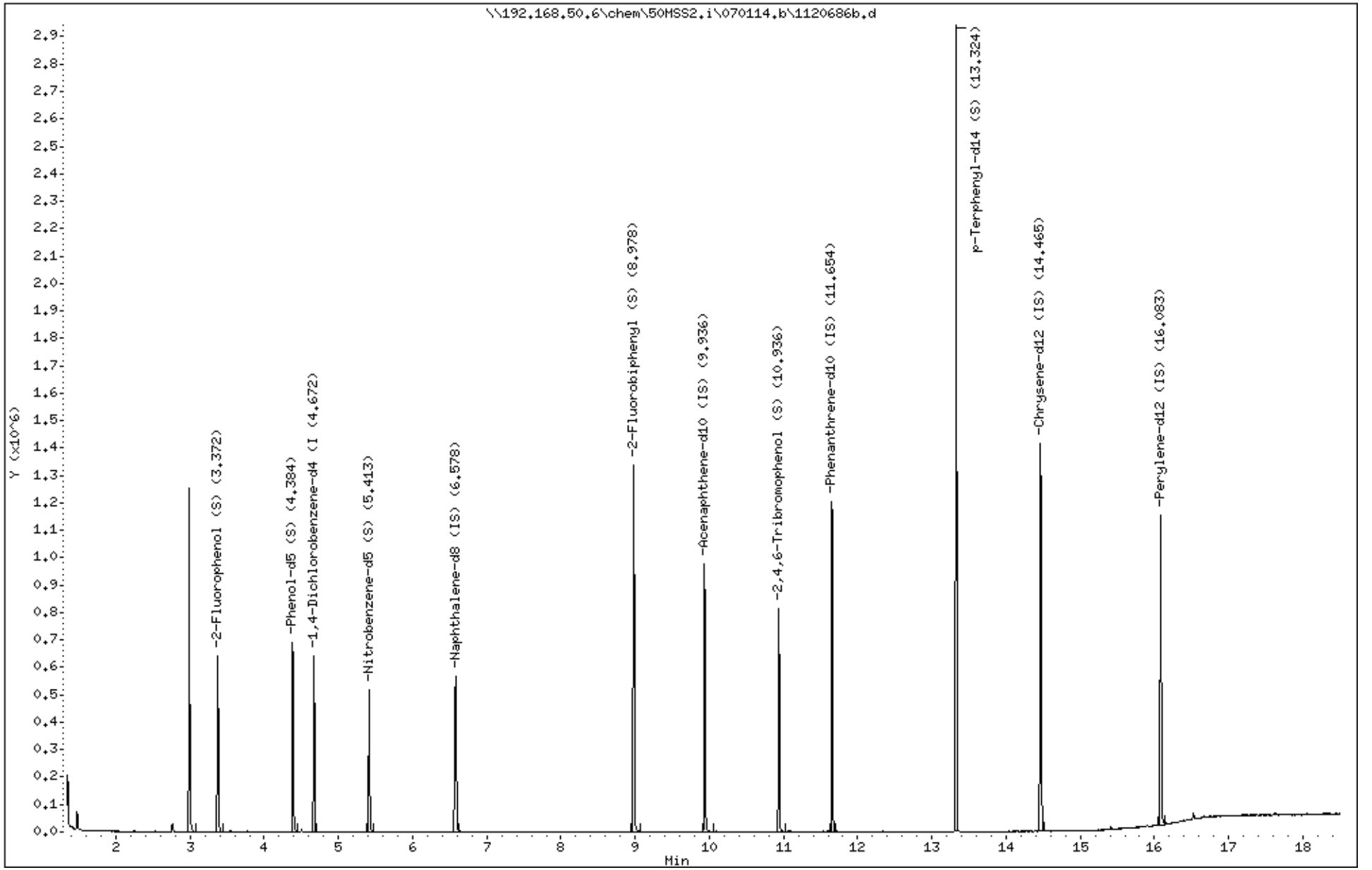
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)	
$ 3 2-Fluorophenol (S)	112	3.377	3.372	(0.723)	235558	71.1600	2372	
$ 6 Phenol-d5 (S)	99	4.383	4.383	(0.938)	302967	74.0921	2470	
* 11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	121537	40.0000		(Q)
$ 23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	224730	69.4219	2314	
* 32 Naphthalene-d8 (IS)	136	6.577	6.577	(1.000)	460126	40.0000		
$ 46 2-Fluorobiphenyl (S)	172	8.977	8.983	(0.903)	624025	72.4752	2416	
* 53 Acenaphthene-d10 (IS)	164	9.936	9.936	(1.000)	268131	40.0000		
$ 67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	137977	73.2463	2442	
* 72 Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	523218	40.0000		
$ 80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1019314	98.4803	3283	
* 84 Chrysene-d12 (IS)	240	14.465	14.465	(1.000)	686296	40.0000		
* 91 Perylene-d12 (IS)	264	16.083	16.083	(1.000)	484404	40.0000		

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120686b.d
Date : 01-JUL-2014 15:12
Client ID: MB
Instrument: 50MSS2.i
Sample Info: 1120686
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
Column diameter: 0.25



SAMPLE NO.

LCS

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 06/26/2014 13:03
Lab Sample ID: 1117919
Date Analyzed: 06/27/2014 17:35
Lab File ID: 062714CAL.B\1117919L.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	2970	
208-96-8	Acenaphthylene	2970	
120-12-7	Anthracene	3170	
56-55-3	Benzo(a)anthracene	3210	
50-32-8	Benzo(a)pyrene	4520	
205-99-2	Benzo(b)fluoranthene	4490	
191-24-2	Benzo(g,h,i)perylene	4320	
207-08-9	Benzo(k)fluoranthene	4210	
59-50-7	4-Chloro-3-methylphenol	3040	
95-57-8	2-Chlorophenol	2770	
218-01-9	Chrysene	3280	
53-70-3	Dibenz(a,h)anthracene	4430	
121-14-2	2,4-Dinitrotoluene	3230	
206-44-0	Fluoranthene	3150	
86-73-7	Fluorene	3090	
193-39-5	Indeno(1,2,3-cd)pyrene	4330	
91-57-6	2-Methylnaphthalene	2770	
91-20-3	Naphthalene	2660	
100-02-7	4-Nitrophenol	3050	
621-64-7	N-Nitroso-di-n-propylamine	2900	
87-86-5	Pentachlorophenol	2610	
85-01-8	Phenanthrene	3060	
108-95-2	Phenol	2830	
129-00-0	Pyrene	3200	

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d
Lab Smp Id: 1117919 Client Smp ID: MBLCS
Inj Date : 27-JUN-2014 17:35
Operator : SN Inst ID: 50MSS2.i
Smp Info : 1117919
Misc Info : 15586
Comment   :
Method   : \\192.168.50.6\chem\50MSS2.i\062714cal.b\8270c.m
Meth Date : 30-Jun-2014 09:53 50MSS2.i Quant Type: ISTD
Cal Date : 27-JUN-2014 14:34 Cal File: 100ppm.d
Als bottle: 15 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

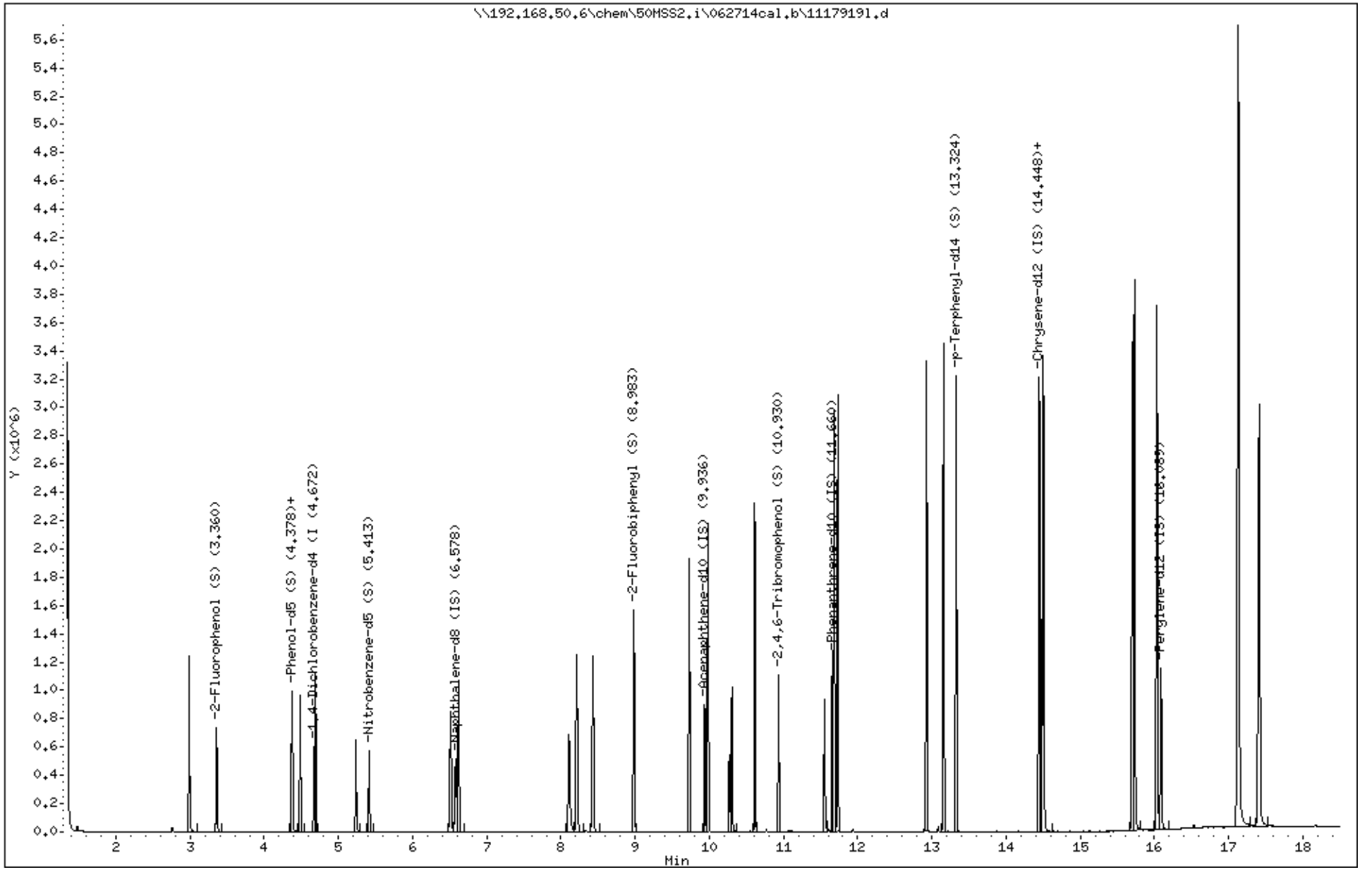
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	3 2-Fluorophenol (S)	112	3.360	3.360	(0.719)	238777	83.4715	2782
$	6 Phenol-d5 (S)	99	4.366	4.366	(0.935)	311094	85.5068	2850
	7 Phenol	94	4.383	4.383	(0.938)	332166	84.8950	2830
	9 2-Chlorophenol	128	4.483	4.483	(0.960)	293911	83.0363	2768
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.671	4.671	(1.000)	105296	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	304167	77.2699	2576
	21 N-Nitroso-di-n-propylamine	70	5.236	5.242	(1.121)	178830	86.8668	2896
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	241288	81.6691	2722
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	285983	84.2193	2807
*	32 Naphthalene-d8 (IS)	136	6.577	6.583	(1.000)	413652	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	843105	79.7539	2658
	38 4-Chloro-3-methylphenol	107	8.107	8.118	(1.232)	263067	91.1292	3038
	39 2-Methylnaphthalene	142	8.212	8.218	(1.249)	623066	83.2111	2774
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	550604	76.3205	2544
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	694911	87.1896	2906
	51 Acenaphthylene	152	9.724	9.730	(0.979)	1046636	89.1651	2972
*	53 Acenaphthene-d10 (IS)	164	9.936	9.942	(1.000)	246893	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.005)	651580	89.2056	2974
	58 4-Nitrophenol	109	10.271	10.277	(1.034)	84414	91.5877	3053

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	59 2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	235953	96.9489	3232
	61 Fluorene	166	10.612	10.618	(1.068)	772348	92.6795	3089
$	67 2,4,6-Tribromophenol (S)	330	10.930	10.936	(0.937)	170553	96.1815	3206
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	144329	78.4277	2614
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	489455	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	1206281	91.9488	3065
	74 Anthracene	178	11.730	11.730	(1.006)	1254442	95.0754	3169
	77 Fluoranthene	202	12.930	12.930	(1.109)	1481058	94.4257	3148
	79 Pyrene	202	13.153	13.153	(1.128)	1575656	96.1435	3205
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1143888	110.543	3685
	82 Benzo(a)anthracene	228	14.447	14.447	(0.998)	1639587	96.3456	3212
*	84 Chrysene-d12 (IS)	240	14.471	14.471	(1.000)	673343	40.0000	
	85 Chrysene	228	14.500	14.500	(1.002)	1598980	98.3671	3279
	88 Benzo(b)fluoranthene	252	15.706	15.700	(0.976)	2017068	134.615	4487(R)
	89 Benzo(k)fluoranthene	252	15.730	15.724	(0.978)	1905287	126.168	4206(R)
	90 Benzo(a)pyrene	252	16.035	16.030	(0.997)	1809569	135.635	4521(R)
*	91 Perylene-d12 (IS)	264	16.088	16.083	(1.000)	490980	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.129	17.124	(1.065)	2311760	130.025	4334(R)
	93 Dibenz(a,h)anthracene	278	17.129	17.130	(1.065)	1886049	132.909	4430(R)
	94 Benzo(g,h,i)perylene	276	17.412	17.412	(1.082)	1974667	129.591	4320(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d
Date : 27-JUN-2014 17:35
Client ID: MBLCS
Instrument: 50MSS2.i
Sample Info: 1117919
Volume Injected (uL): 1.0
Operator: SN
Column phase: .50um DB-5ms
Column diameter: 0.25



Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

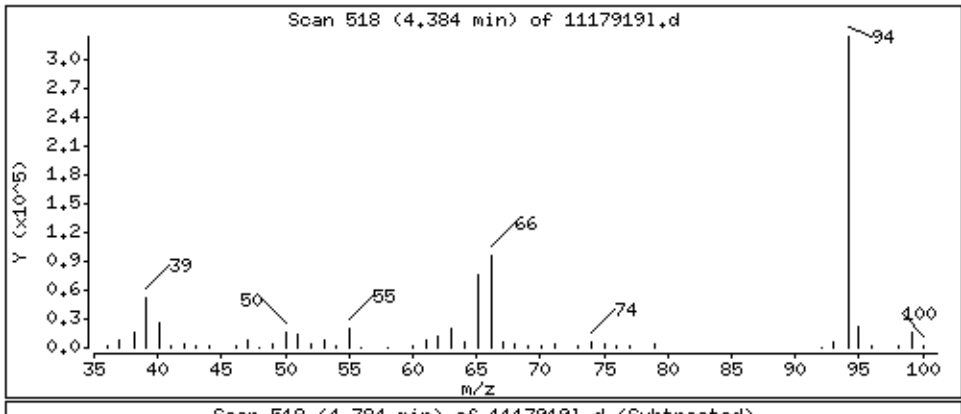
Operator: SN

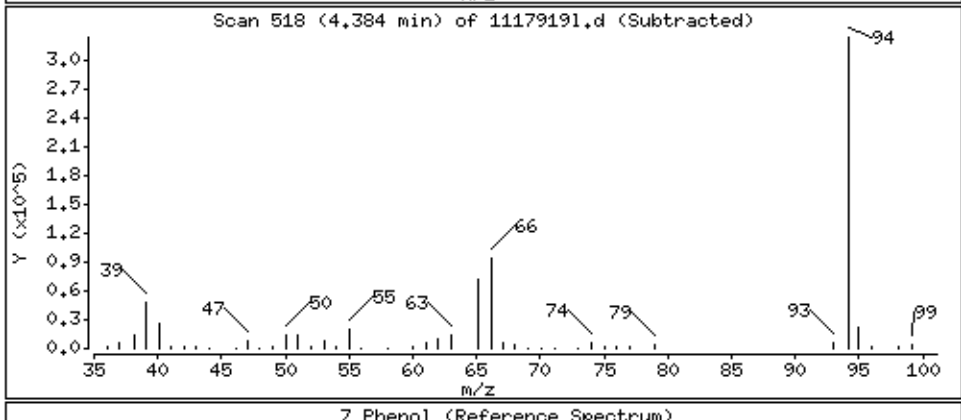
Column phase: .50um DB-5ms

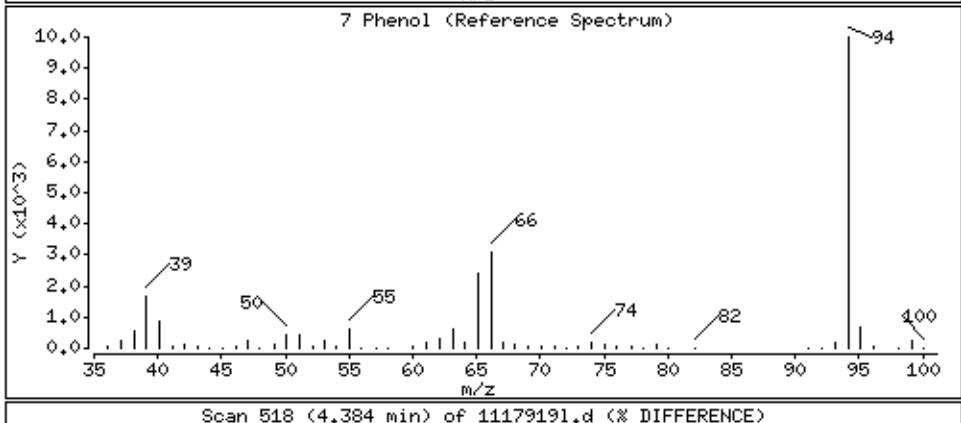
Column diameter: 0.25

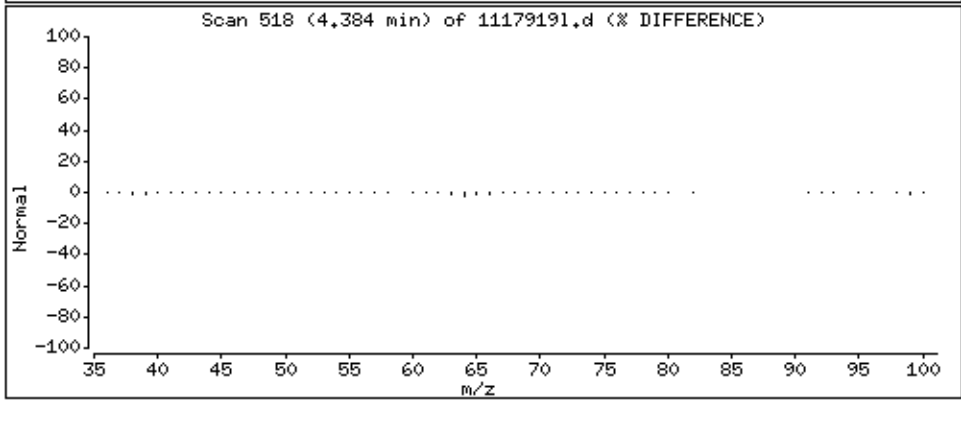
7 Phenol

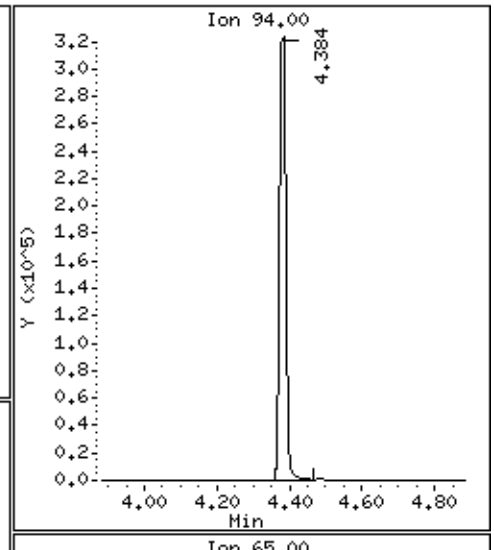
Concentration: 2830 ug/Kg

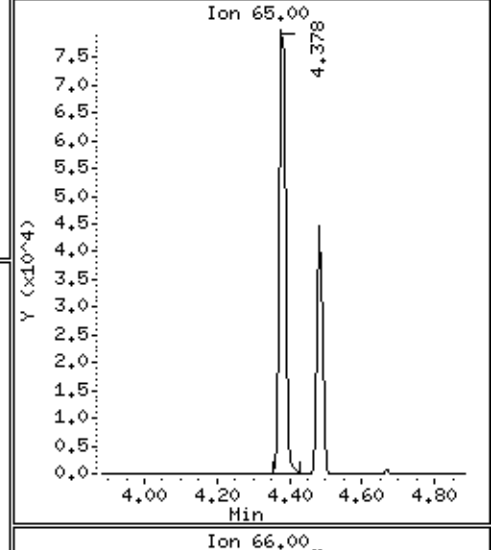


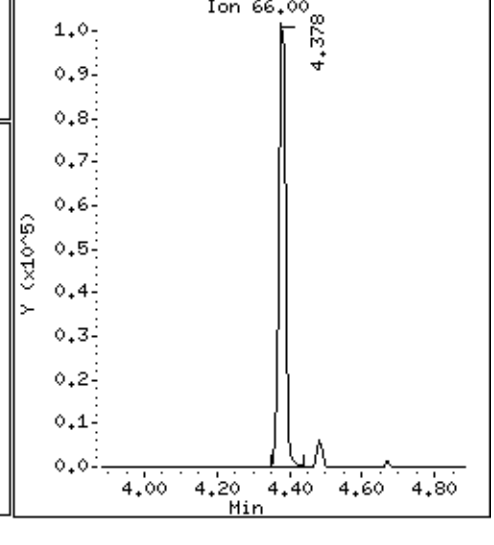












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

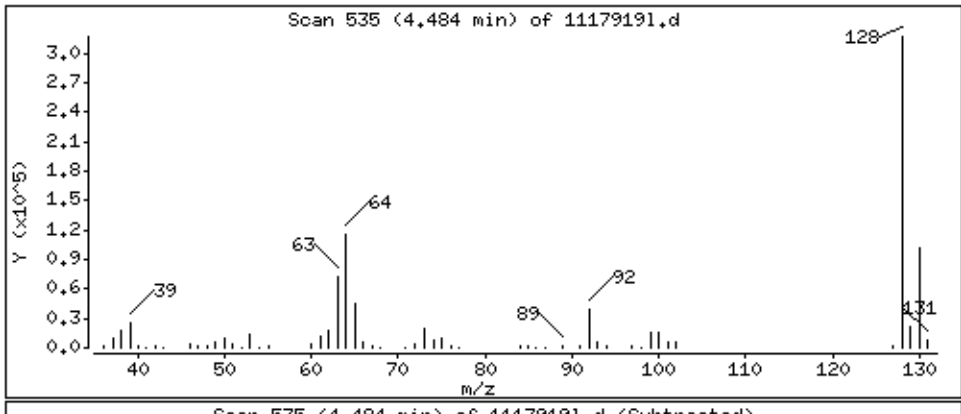
Operator: SN

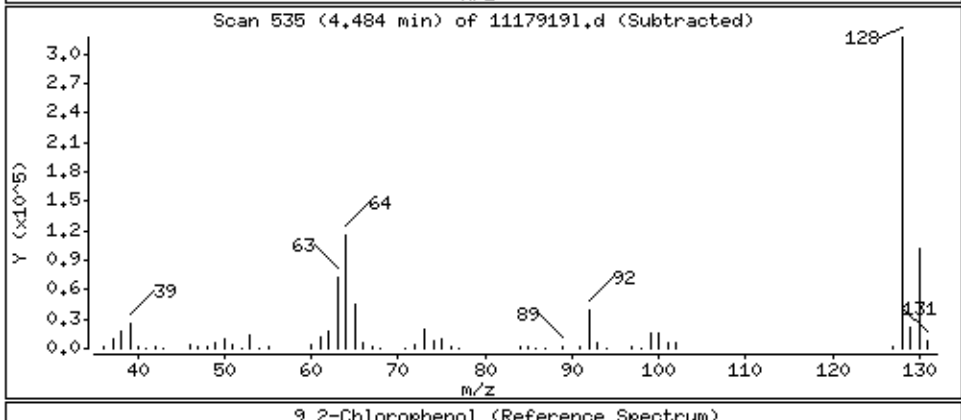
Column phase: .50um DB-5ms

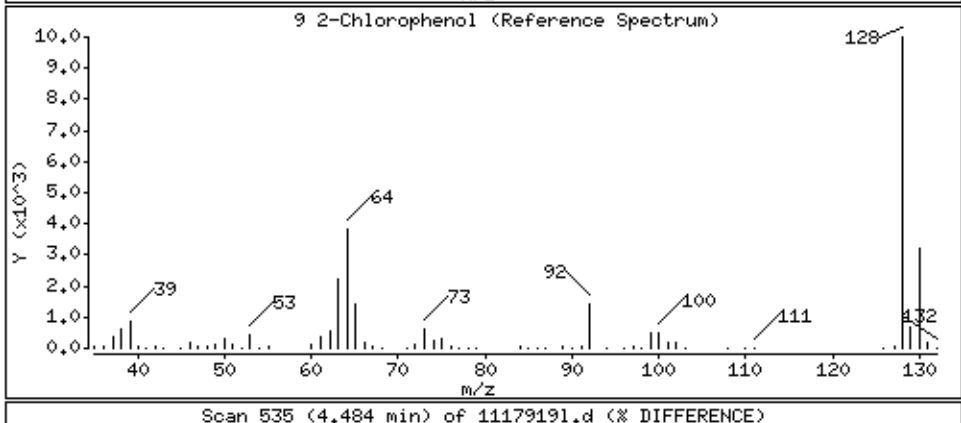
Column diameter: 0.25

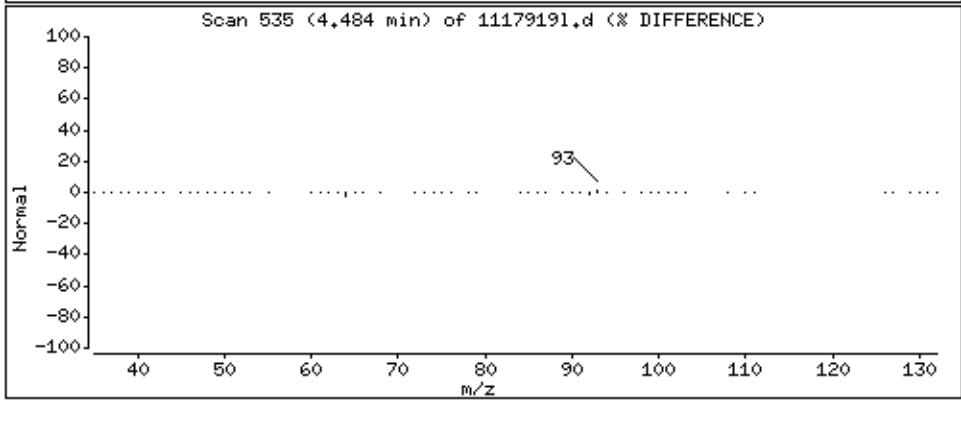
9 2-Chlorophenol

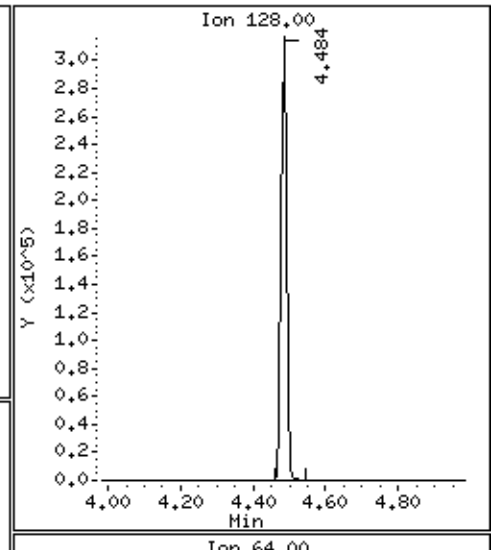
Concentration: 2768 ug/Kg

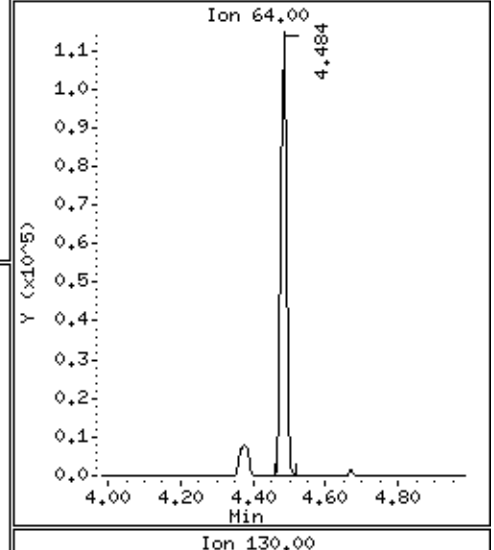


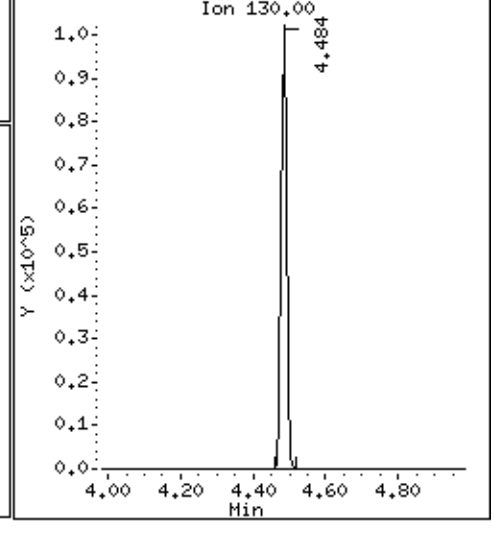












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

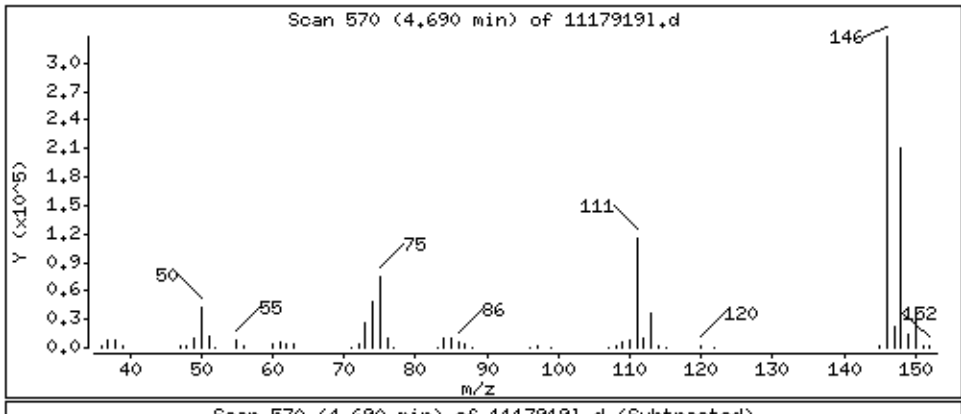
Operator: SN

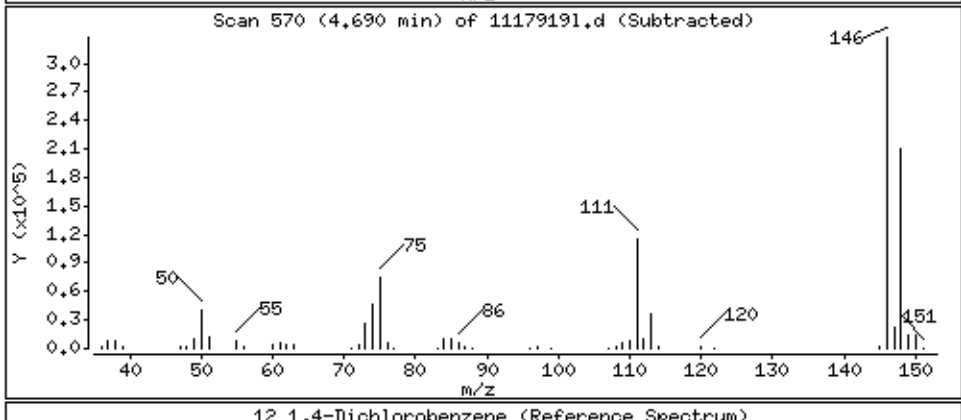
Column phase: .50um DB-5ms

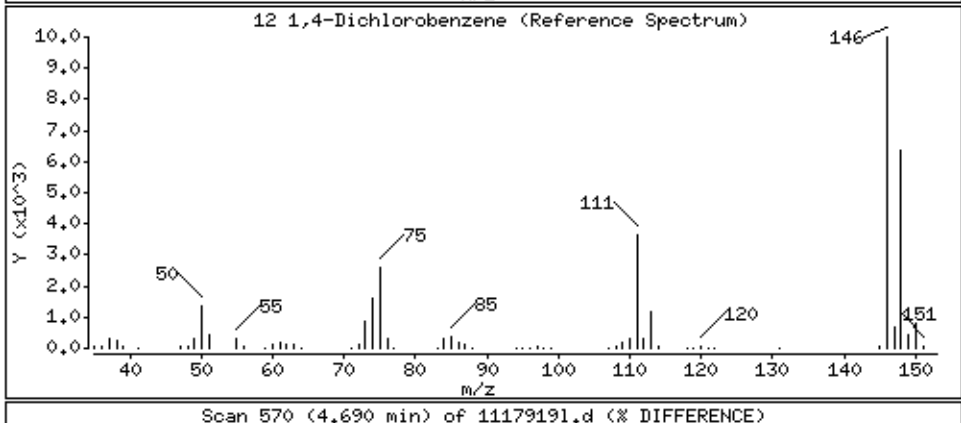
Column diameter: 0.25

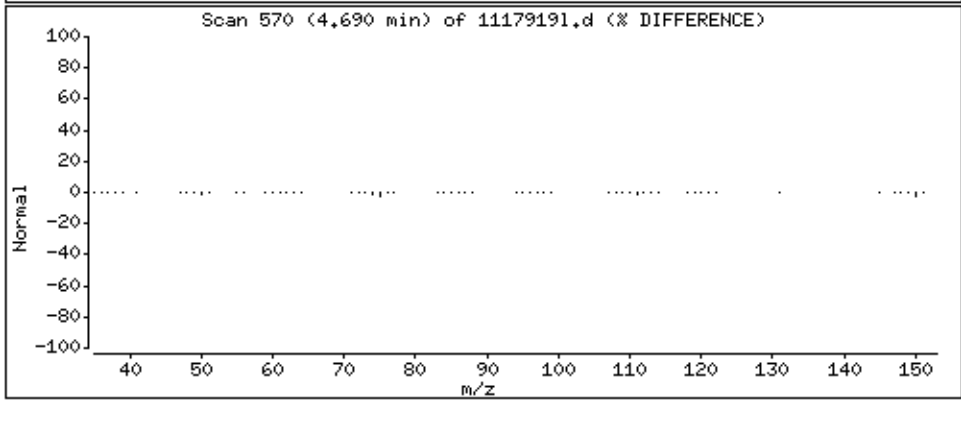
12 1,4-Dichlorobenzene

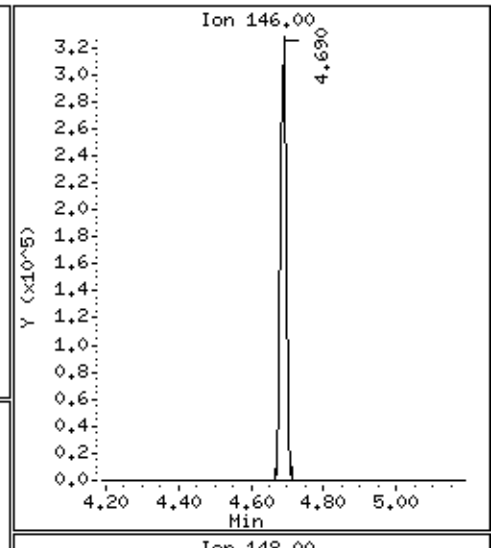
Concentration: 2576 ug/Kg

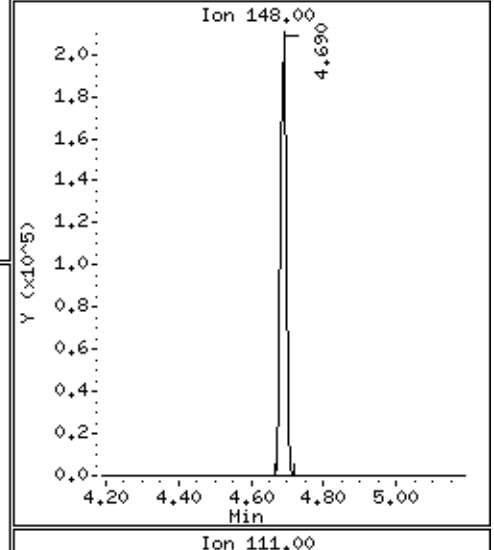


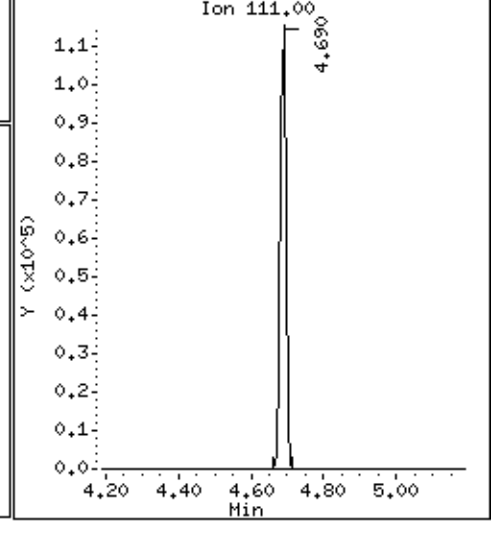












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

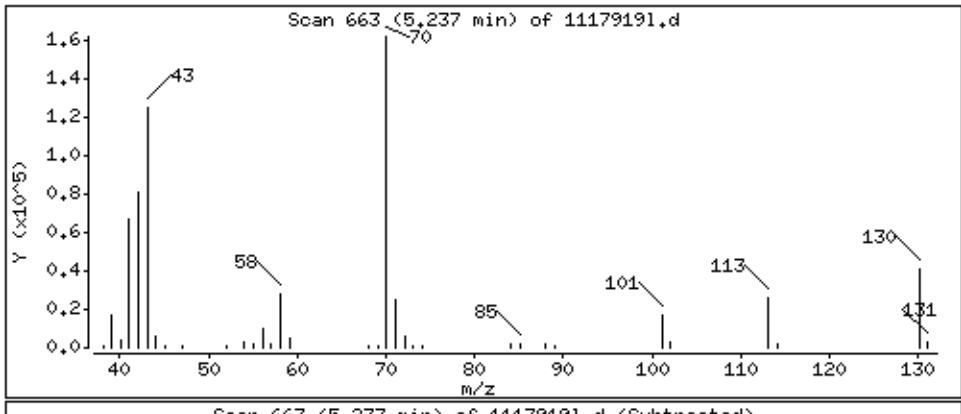
Operator: SN

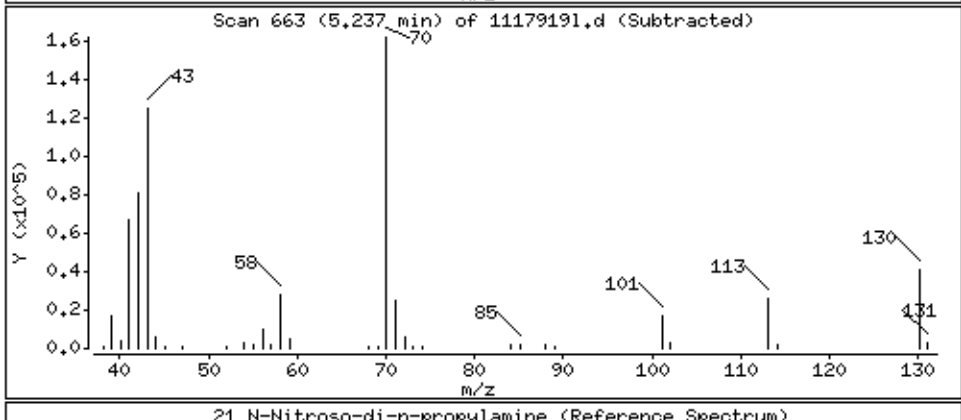
Column phase: .50um DB-5ms

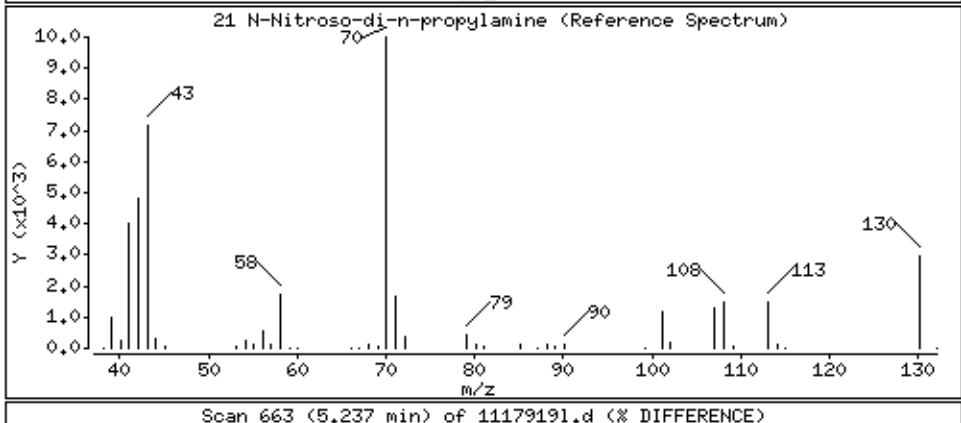
Column diameter: 0.25

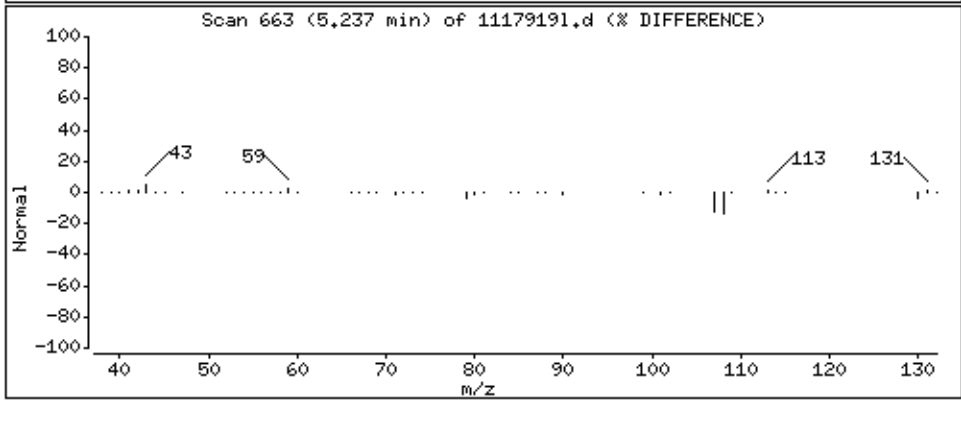
21 N-Nitroso-di-n-propylamine

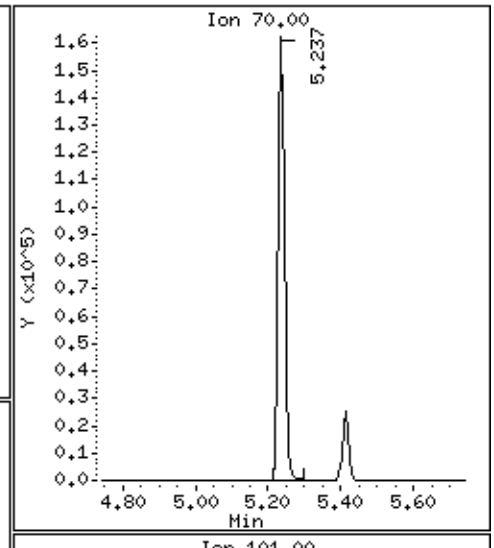
Concentration: 2896 ug/Kg

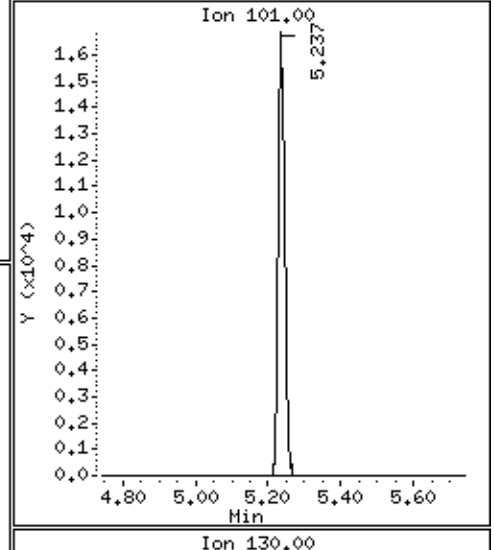


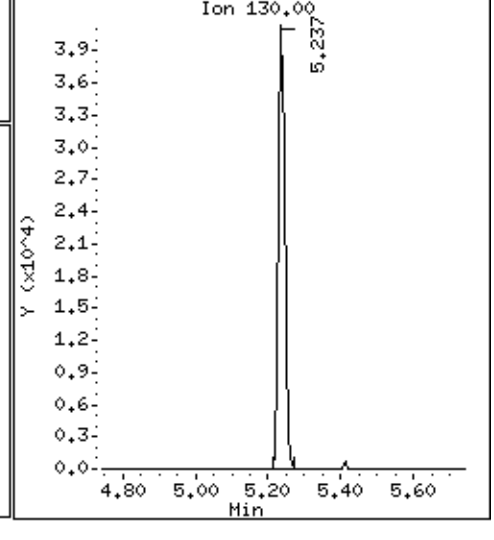












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

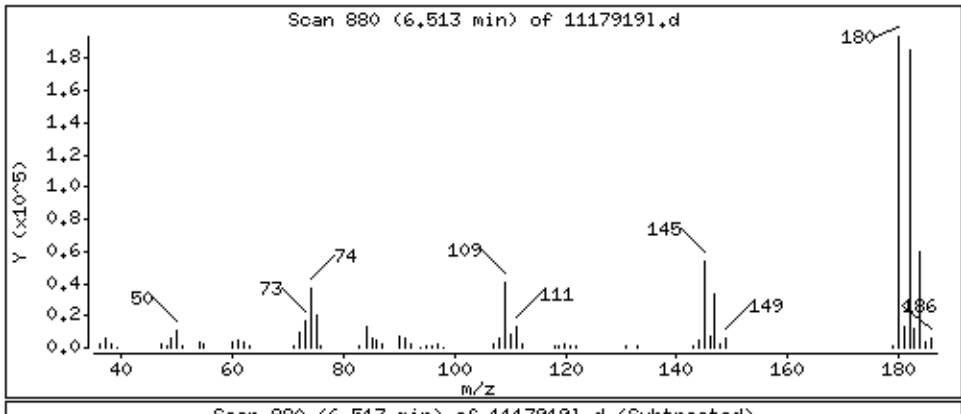
Operator: SN

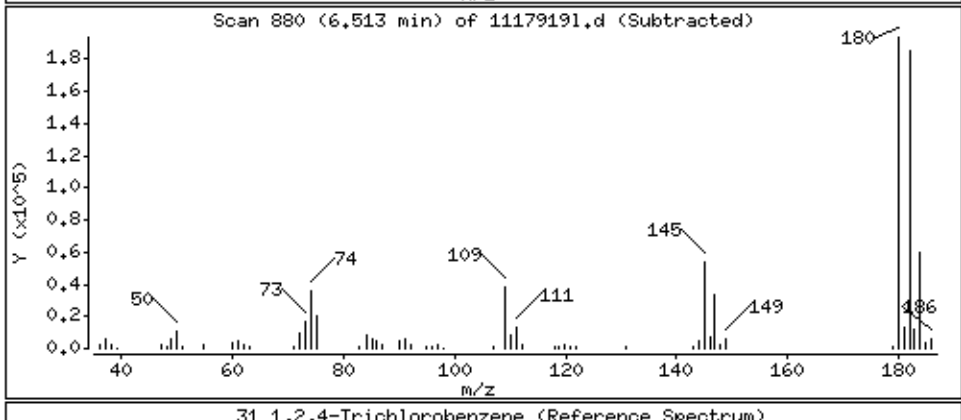
Column phase: .50um DB-5ms

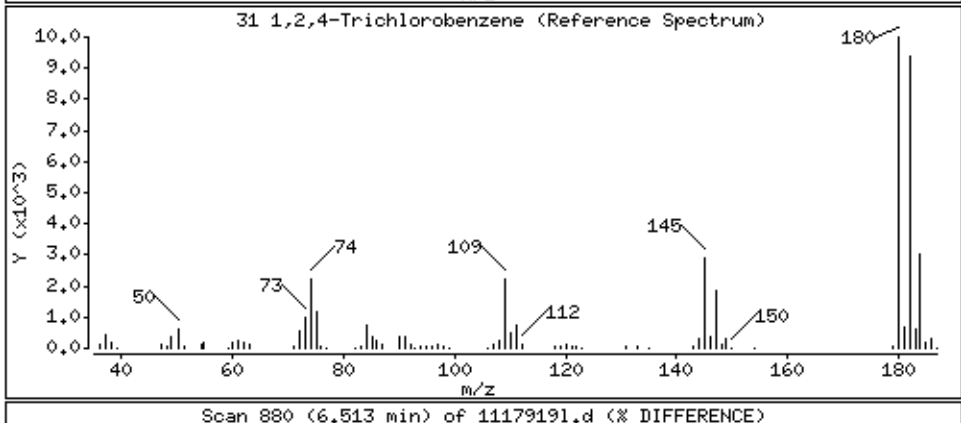
Column diameter: 0.25

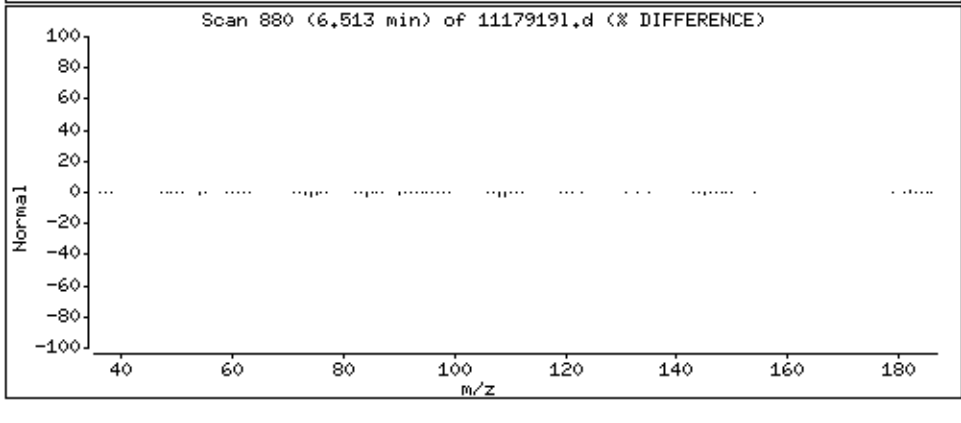
31 1,2,4-Trichlorobenzene

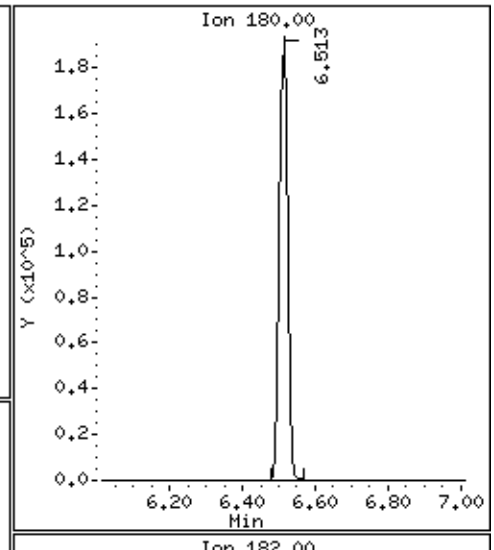
Concentration: 2807 ug/Kg

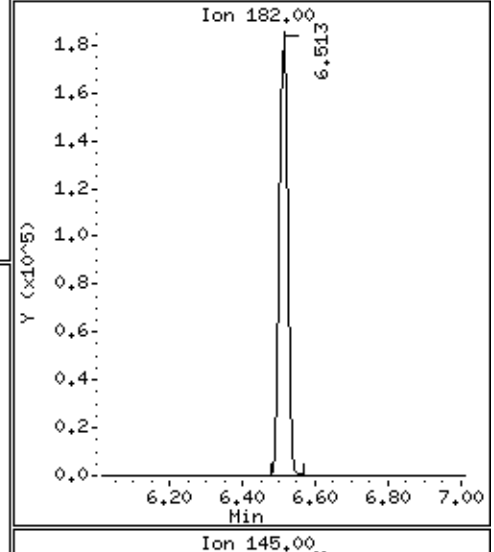


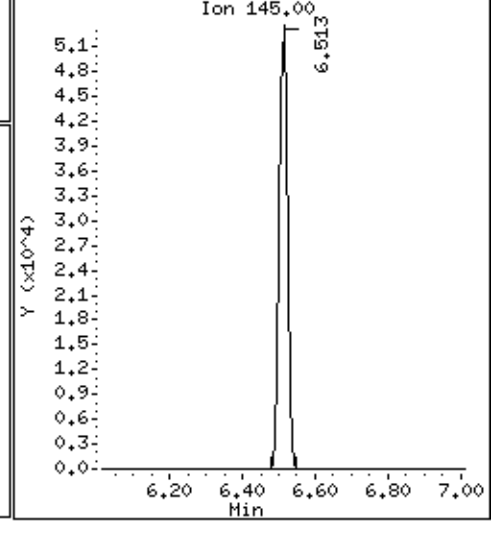












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

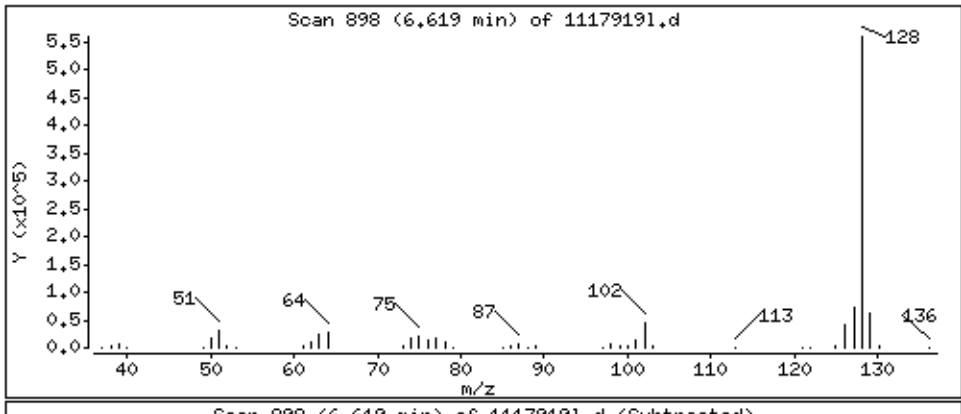
Operator: SN

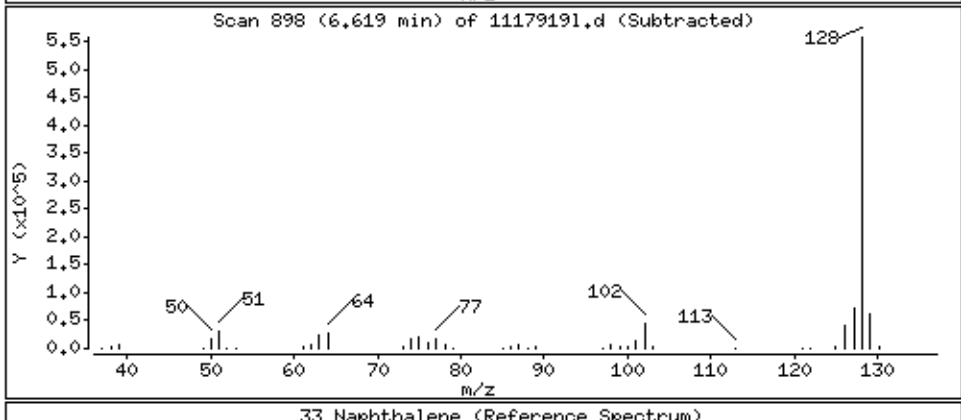
Column phase: .50um DB-5ms

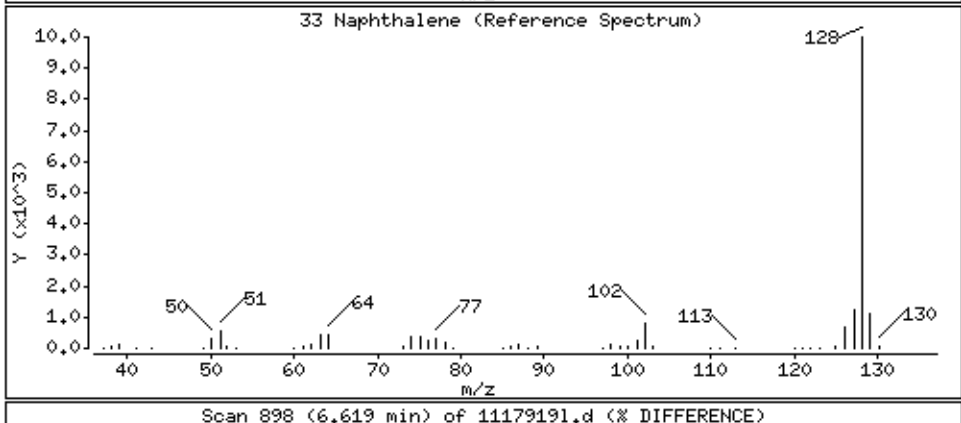
Column diameter: 0.25

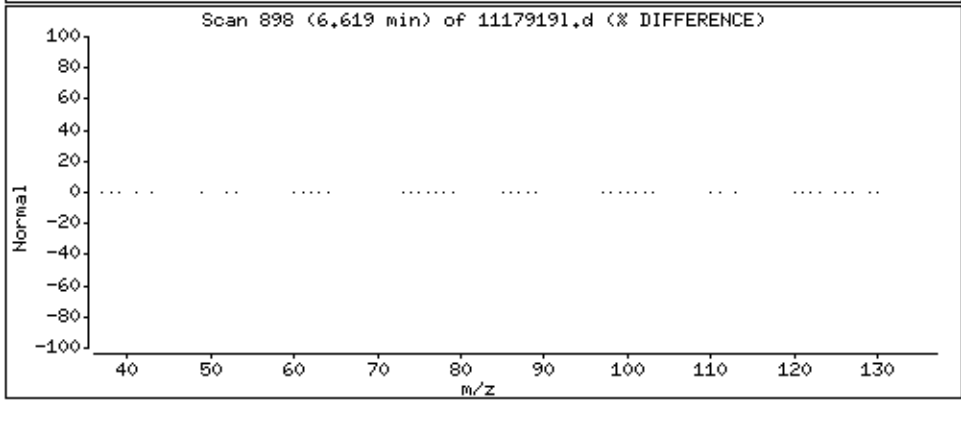
33 Naphthalene

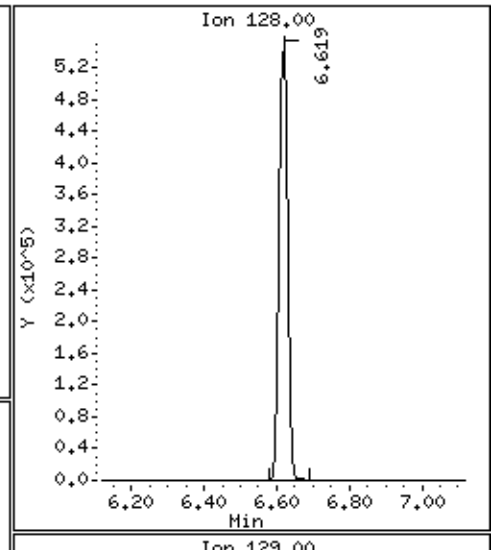
Concentration: 2658 ug/Kg

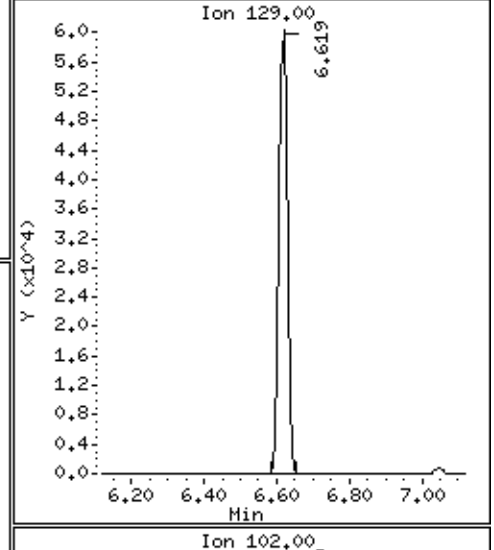


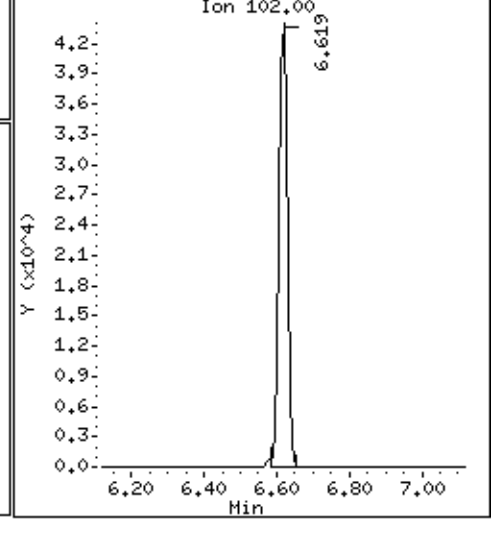












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

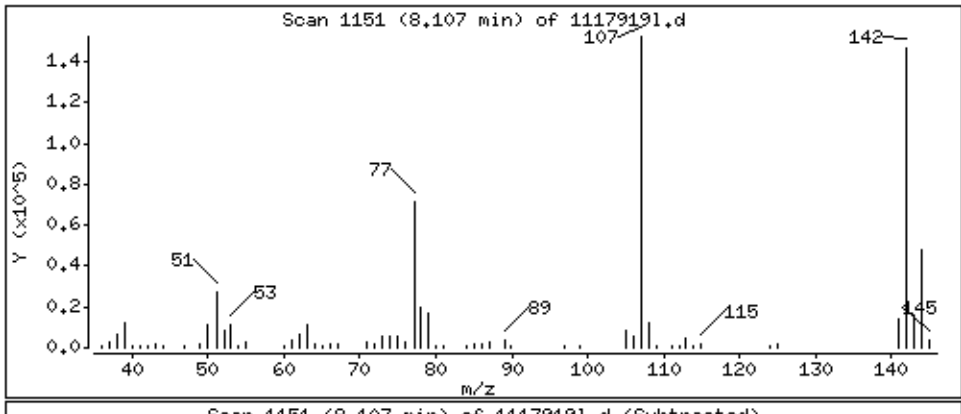
Operator: SN

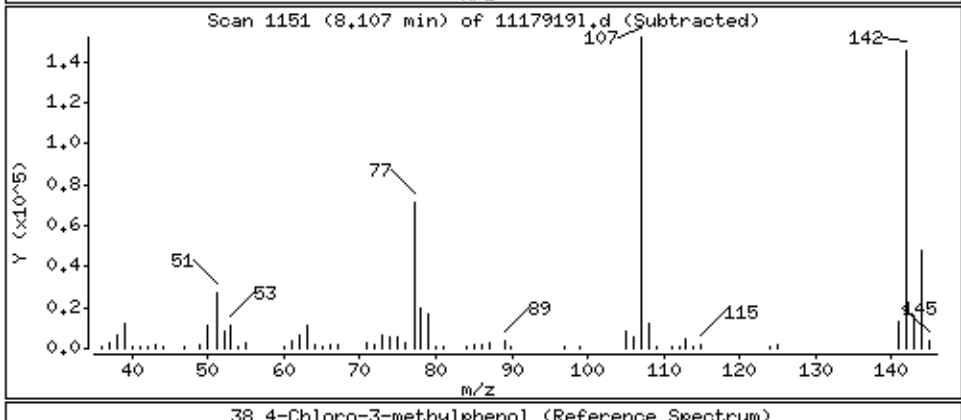
Column phase: .50um DB-5ms

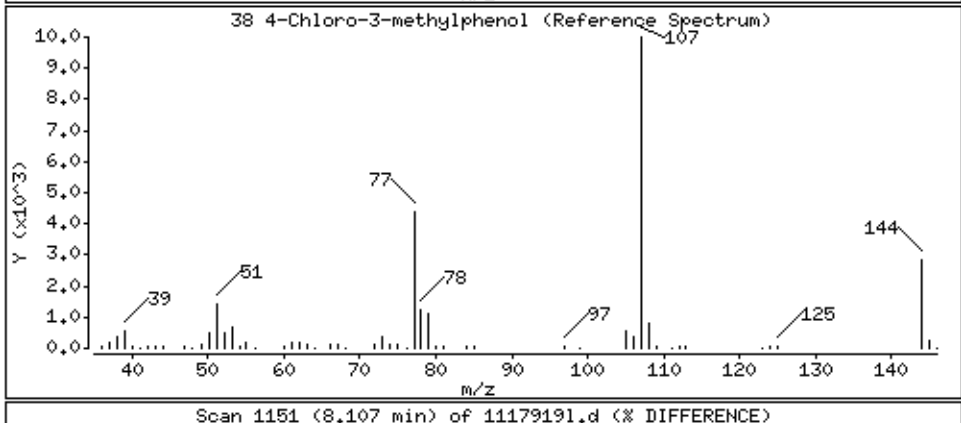
Column diameter: 0.25

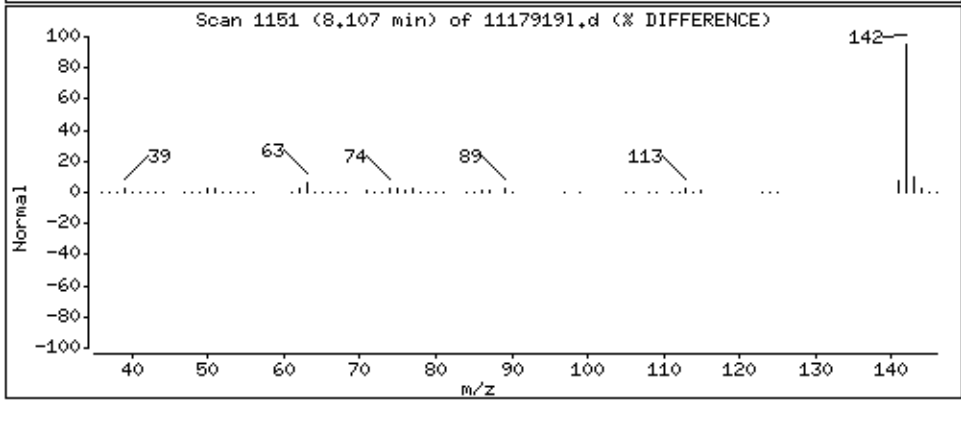
38 4-Chloro-3-methylphenol

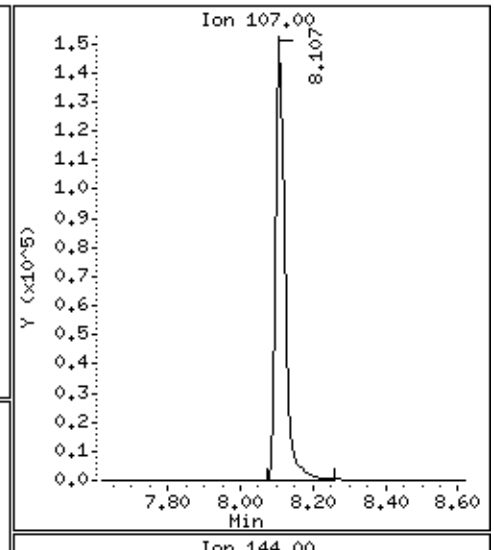
Concentration: 3038 ug/Kg

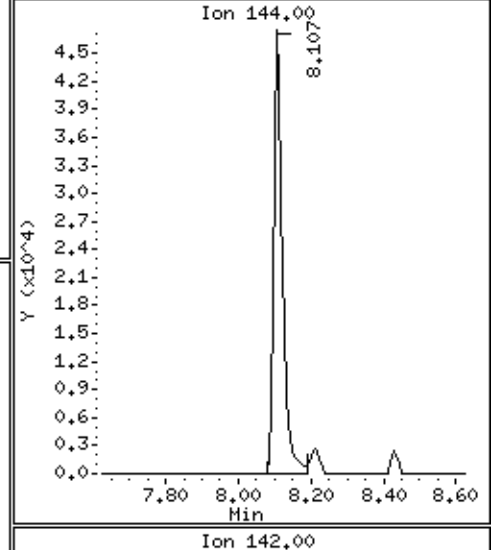


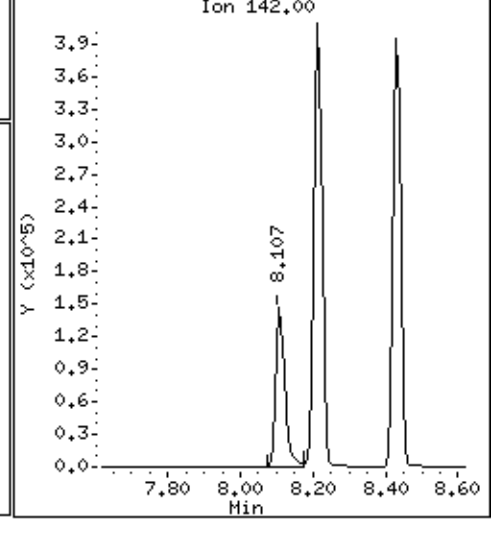












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

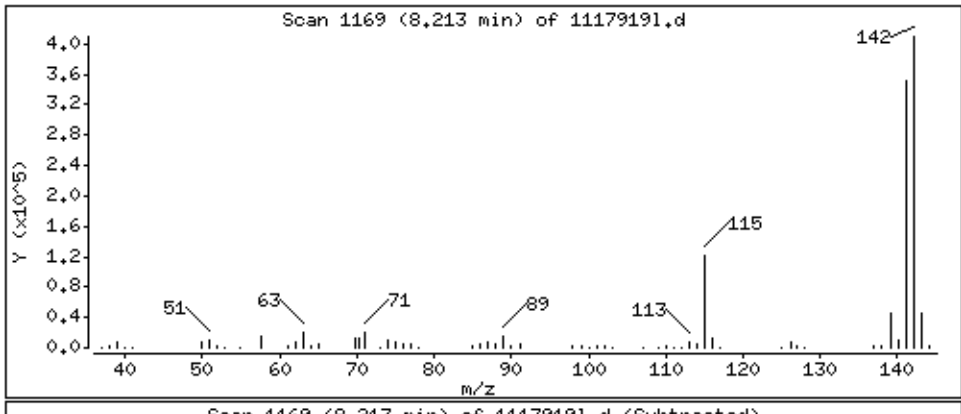
Operator: SN

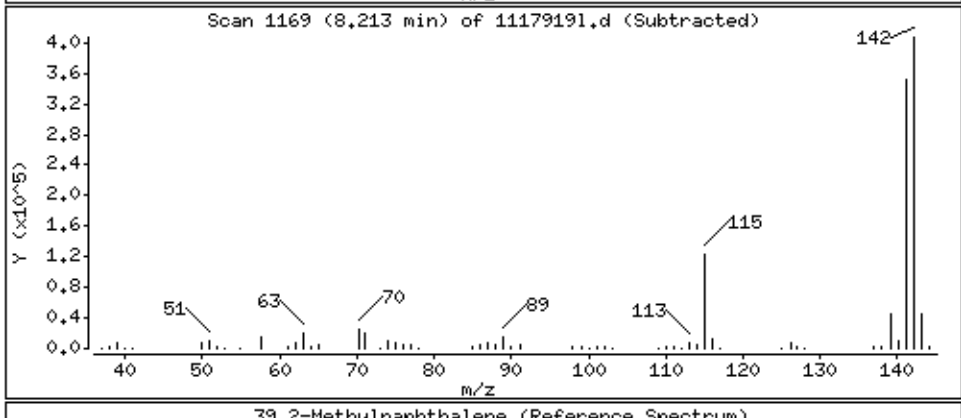
Column phase: .50um DB-5ms

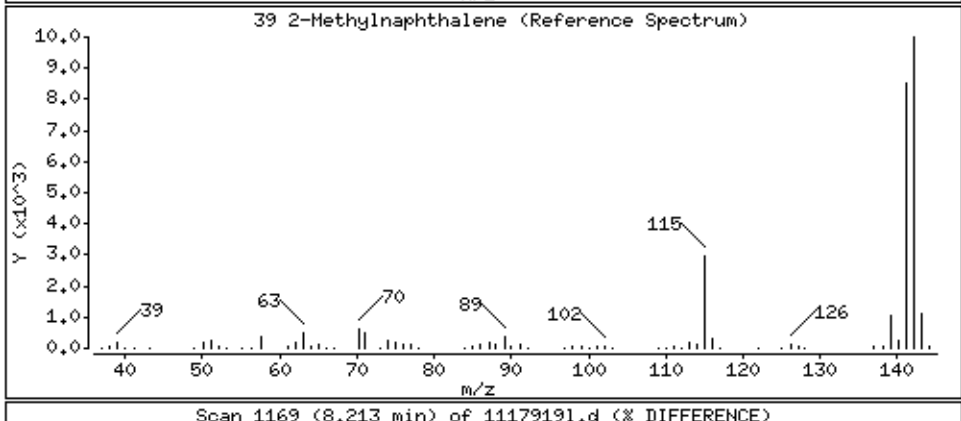
Column diameter: 0.25

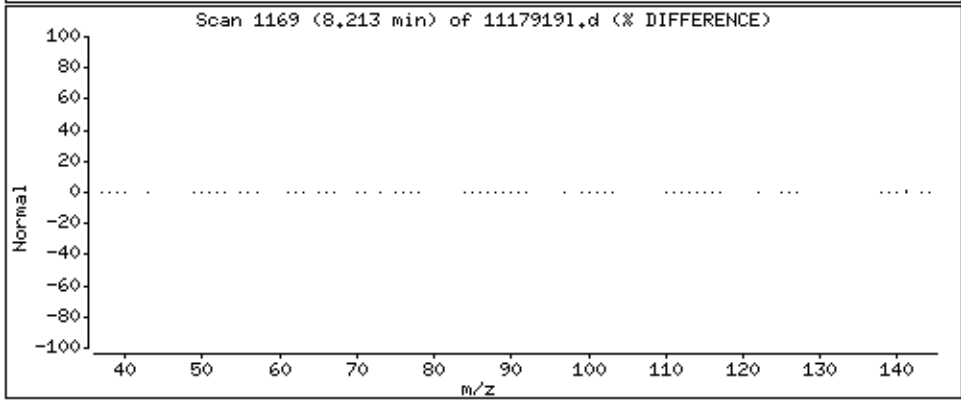
39 2-Methylnaphthalene

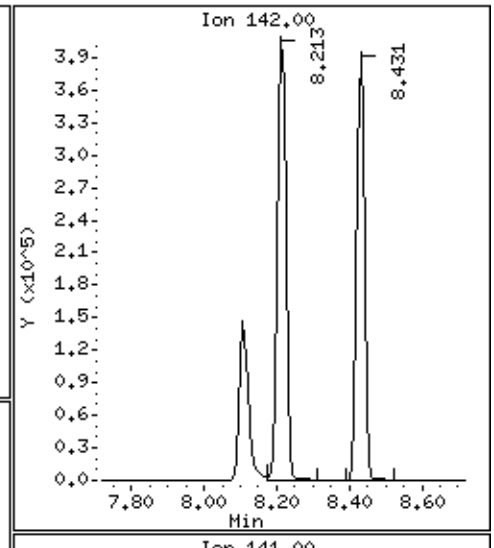
Concentration: 2774 ug/Kg

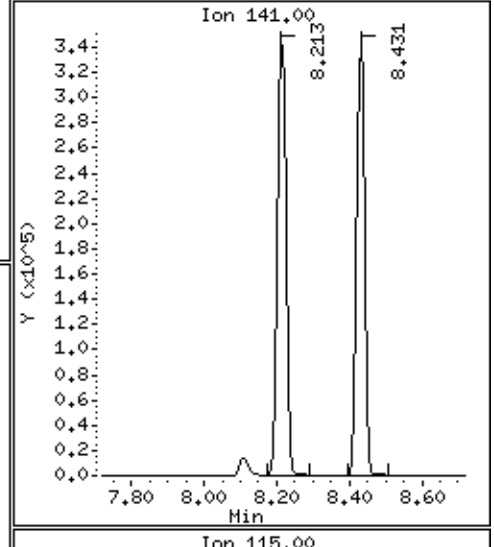


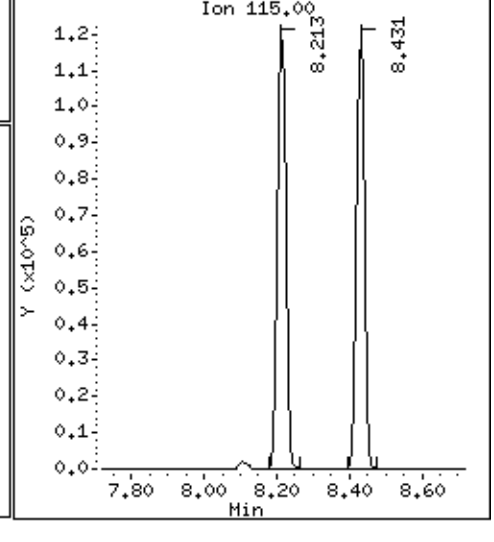












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

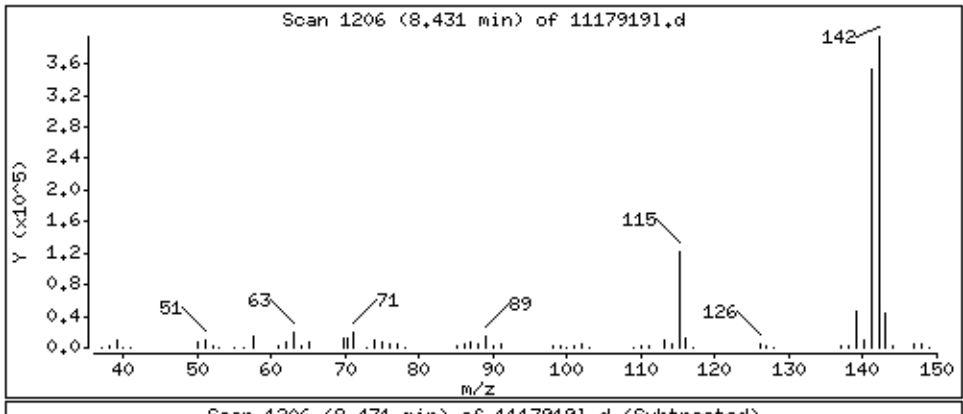
Operator: SN

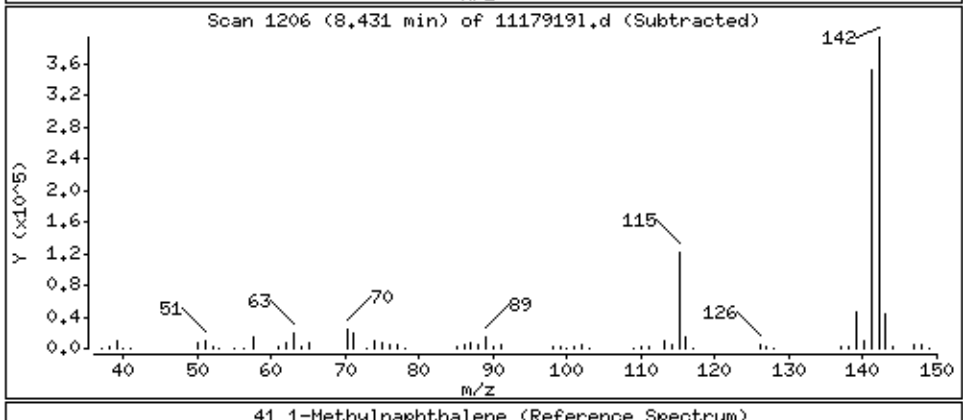
Column phase: .50um DB-5ms

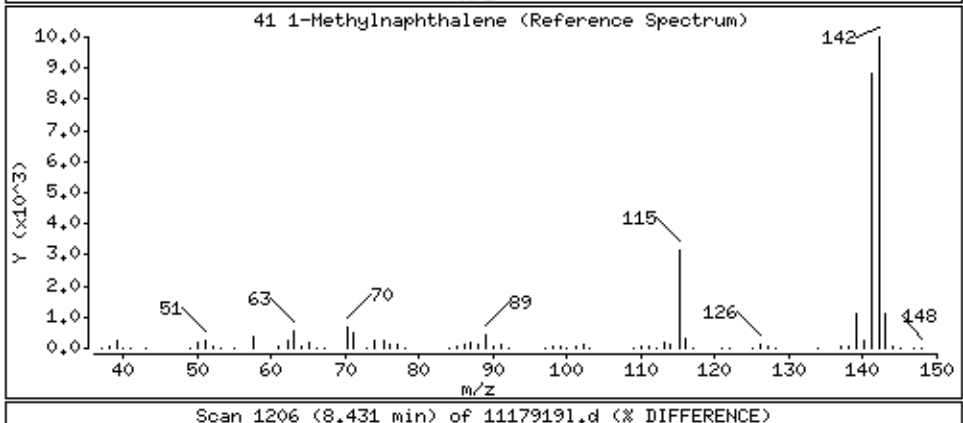
Column diameter: 0.25

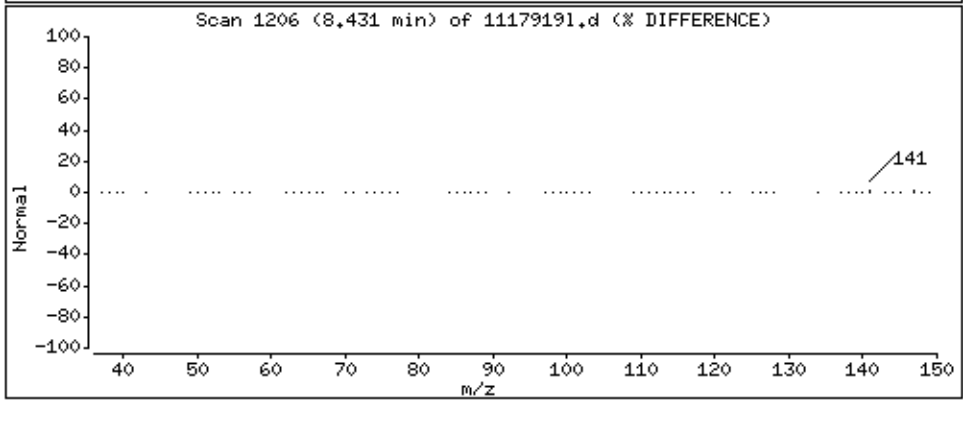
41 1-Methylnaphthalene

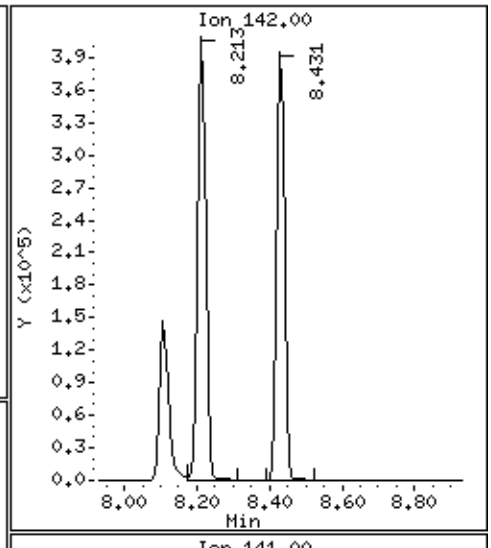
Concentration: 2544 ug/Kg

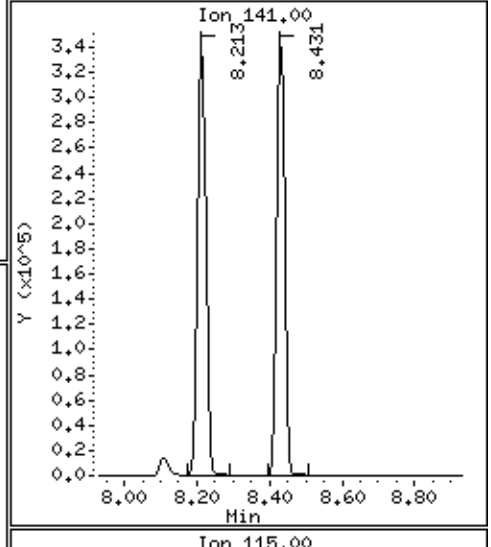


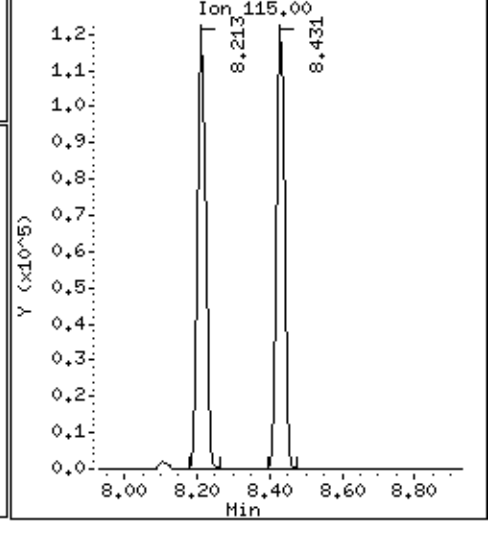












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

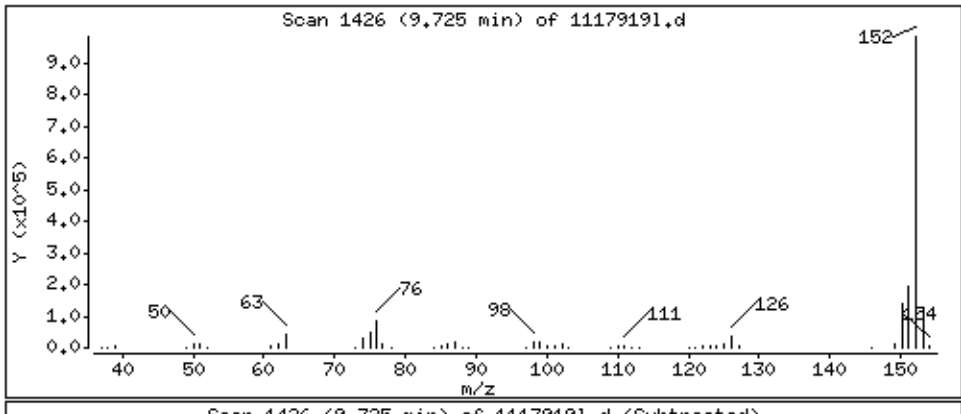
Operator: SN

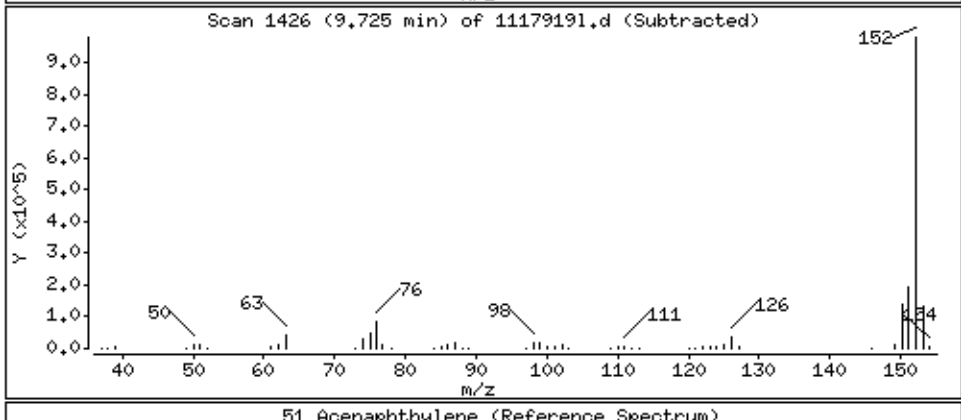
Column phase: .50um DB-5ms

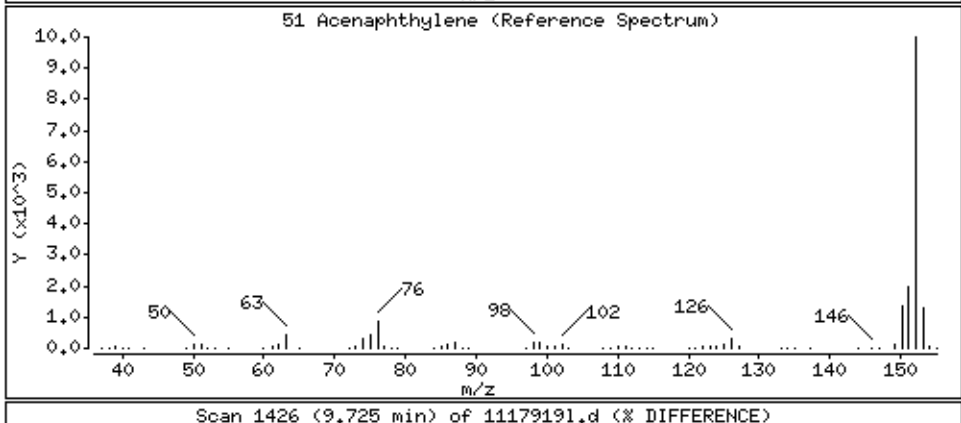
Column diameter: 0.25

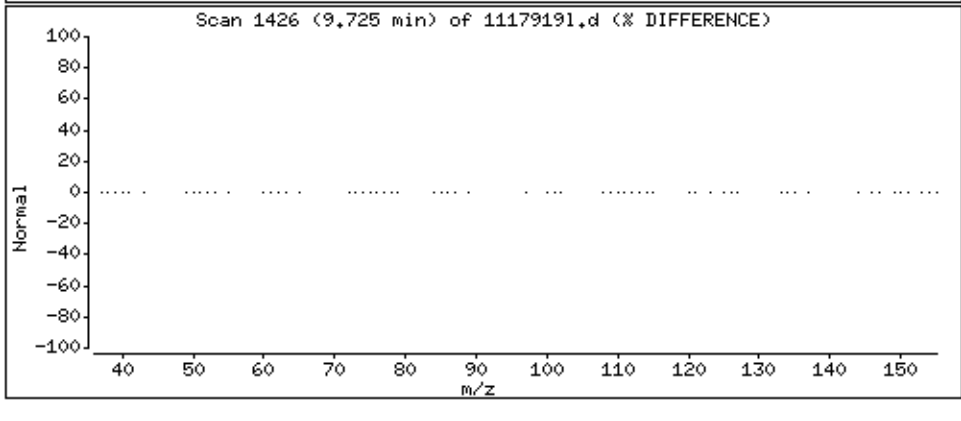
51 Acenaphthylene

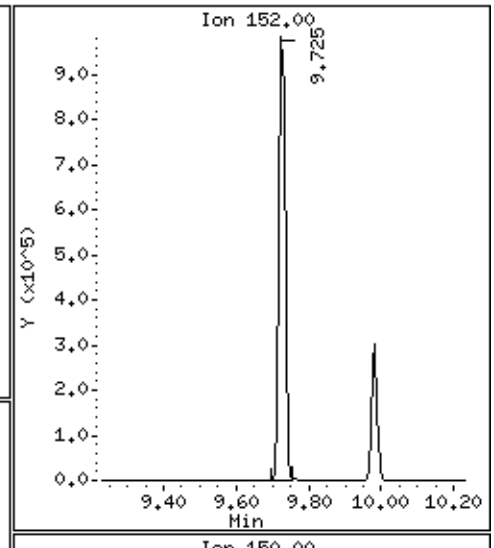
Concentration: 2972 ug/Kg

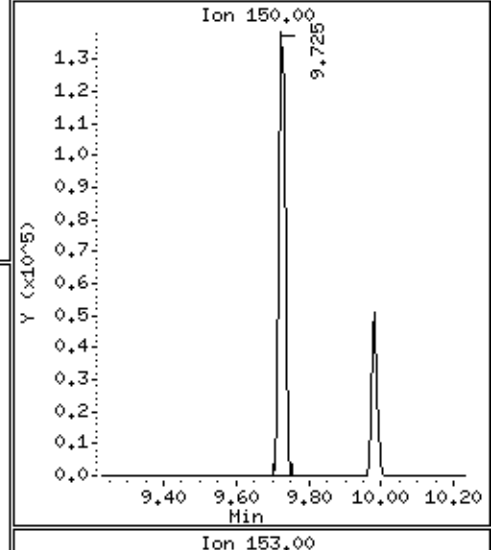


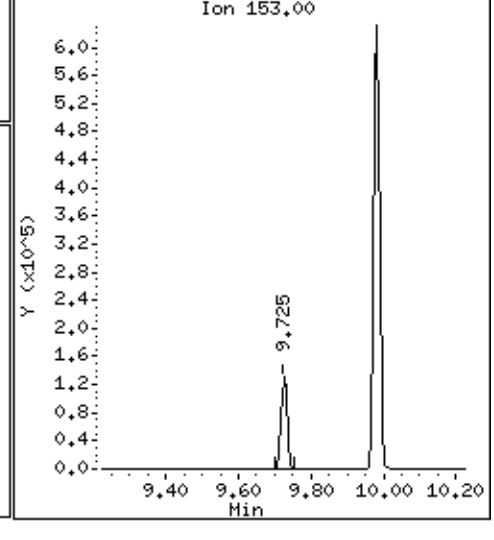












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

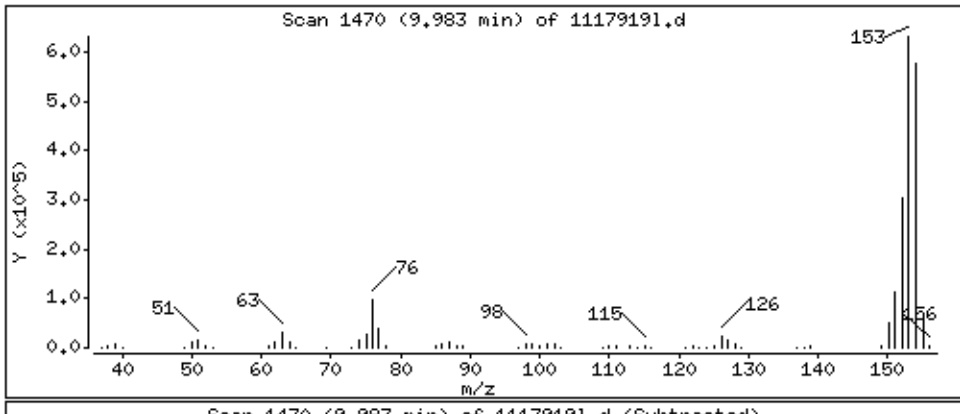
Operator: SN

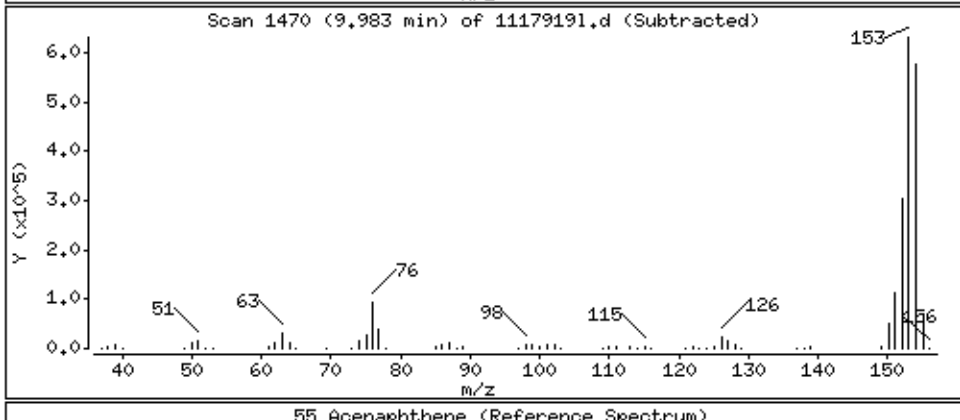
Column phase: .50um DB-5ms

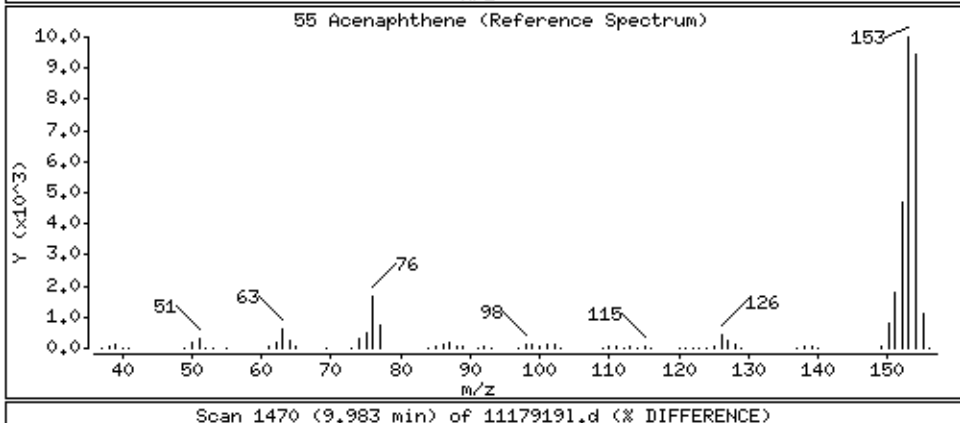
Column diameter: 0.25

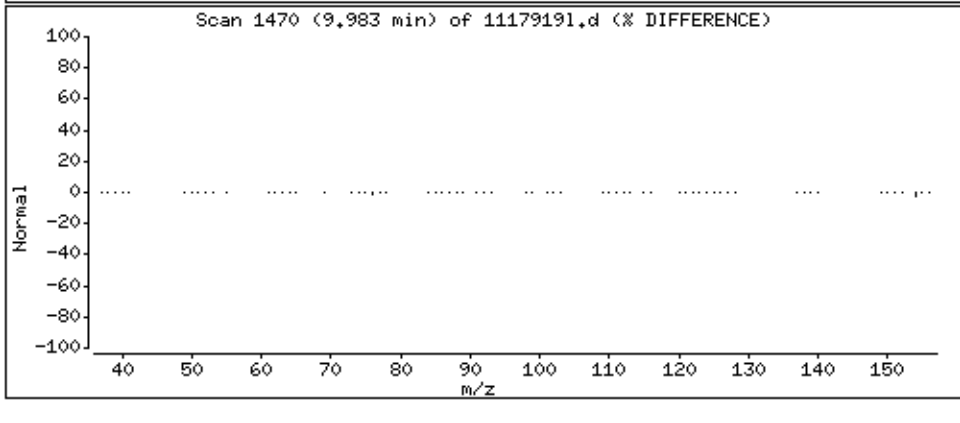
55 Acenaphthene

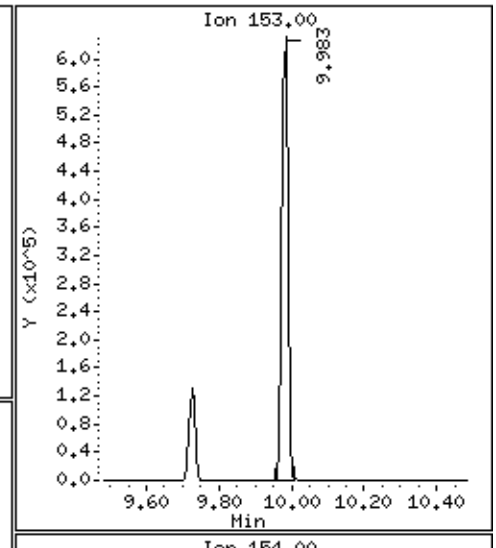
Concentration: 2974 ug/Kg

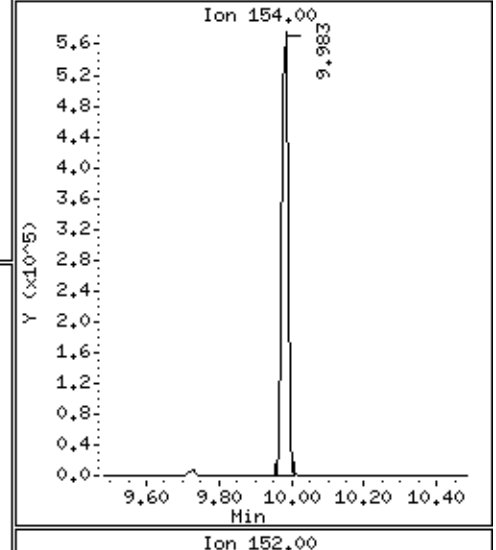


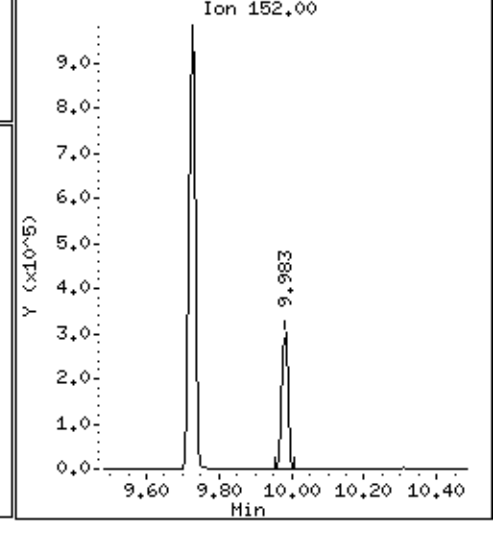












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

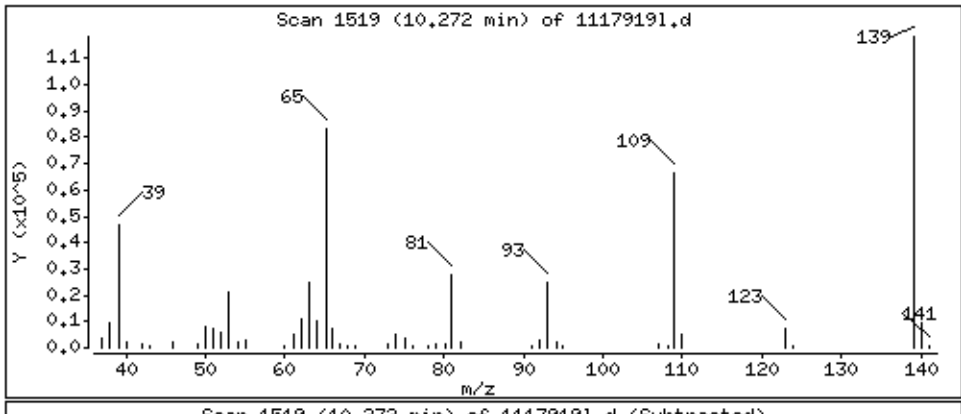
Operator: SN

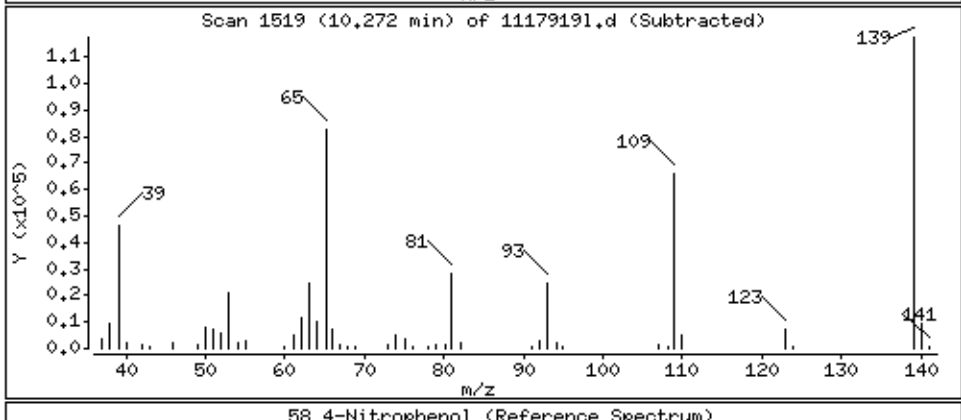
Column phase: .50um DB-5ms

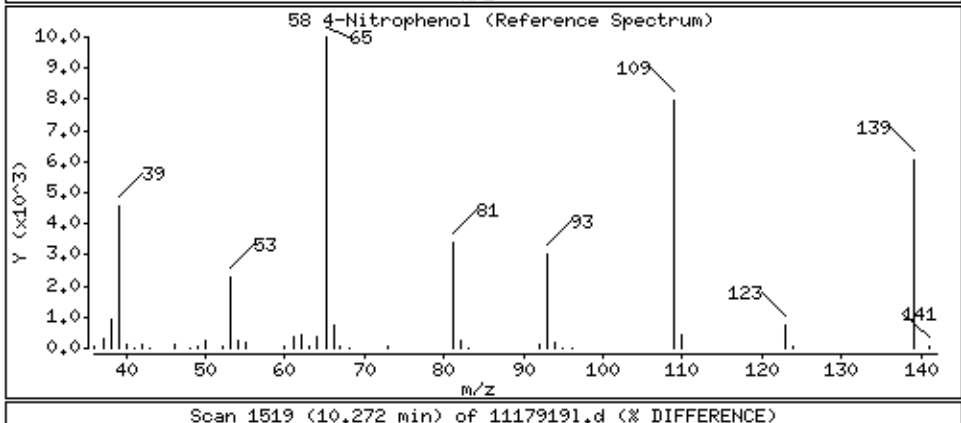
Column diameter: 0.25

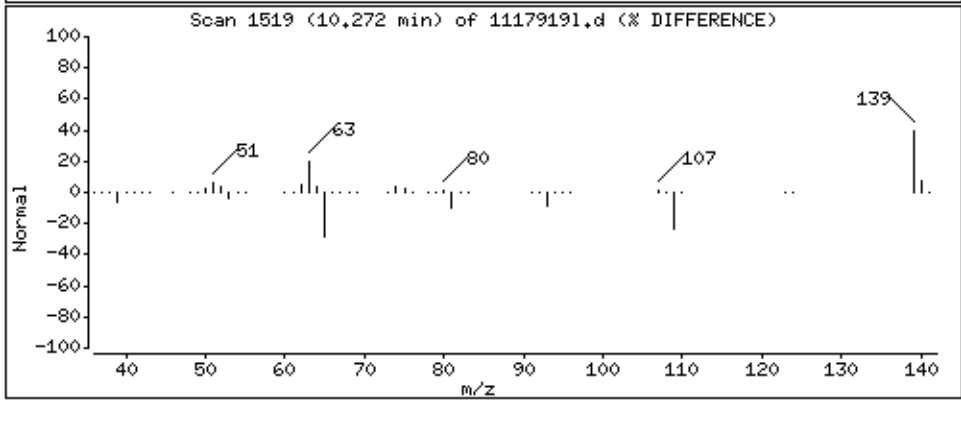
58 4-Nitrophenol

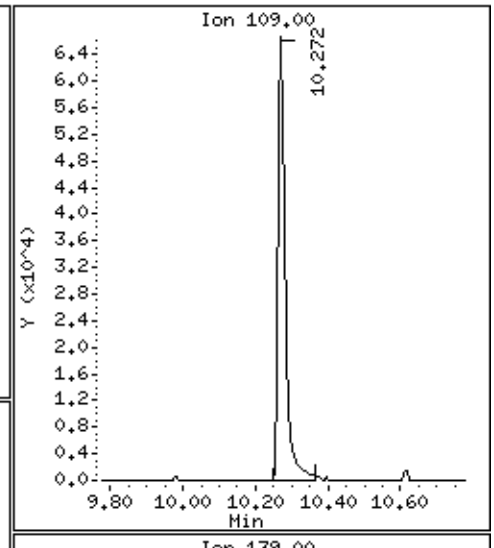
Concentration: 3053 ug/Kg

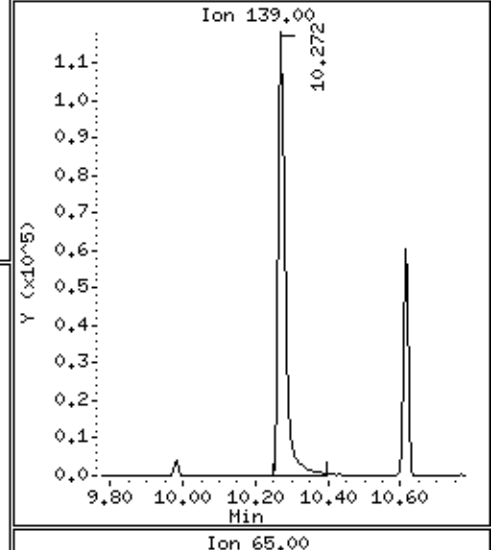


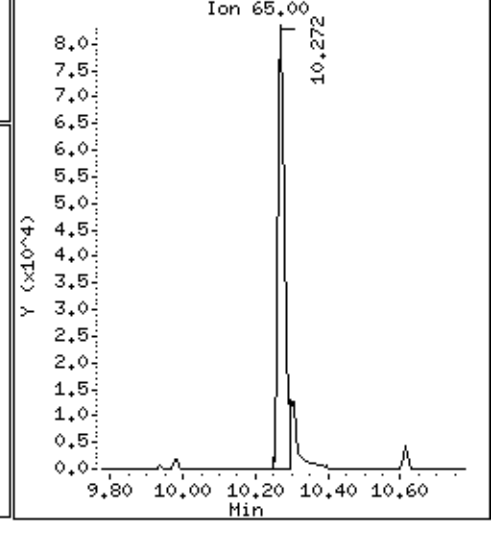












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

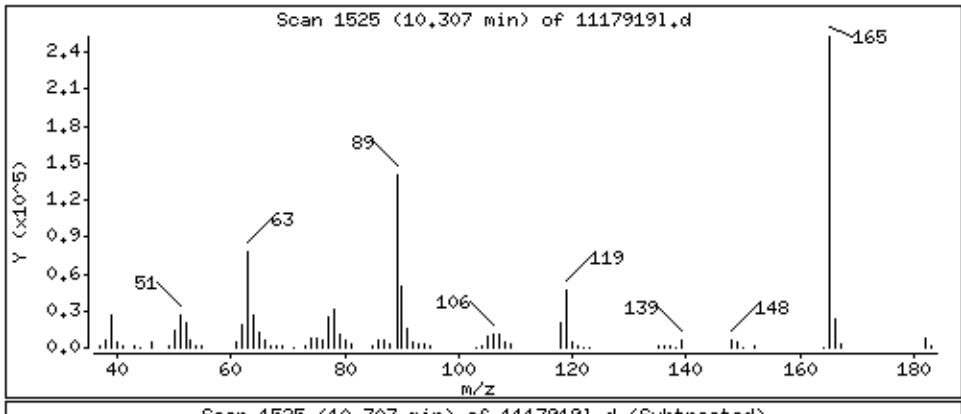
Operator: SN

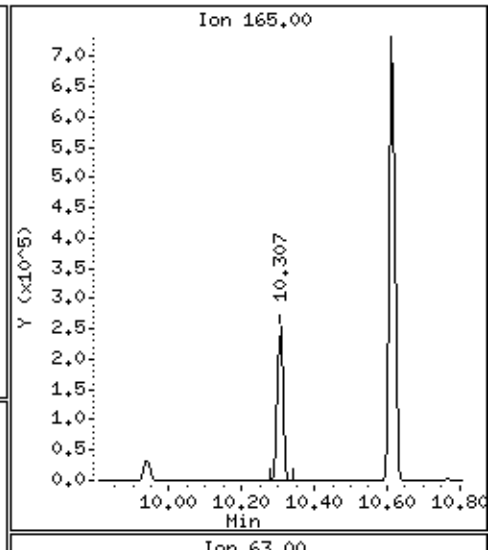
Column phase: .50um DB-5ms

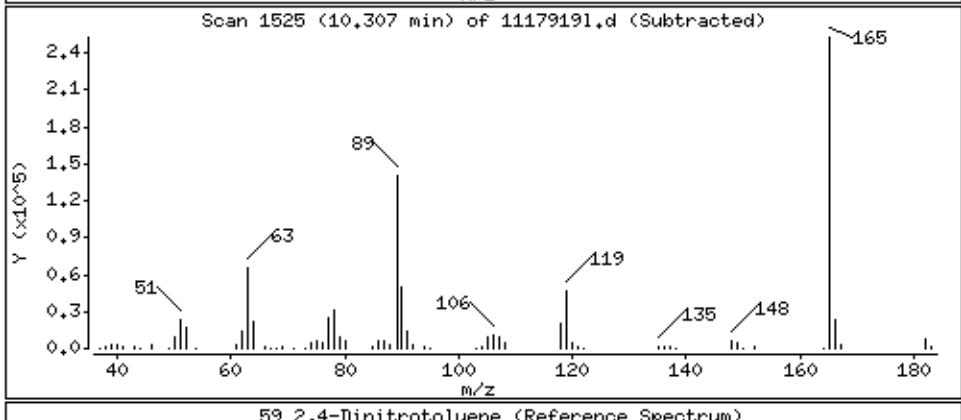
Column diameter: 0.25

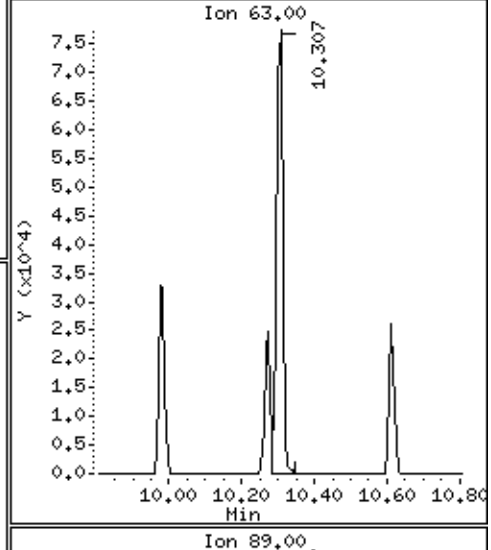
59 2,4-Dinitrotoluene

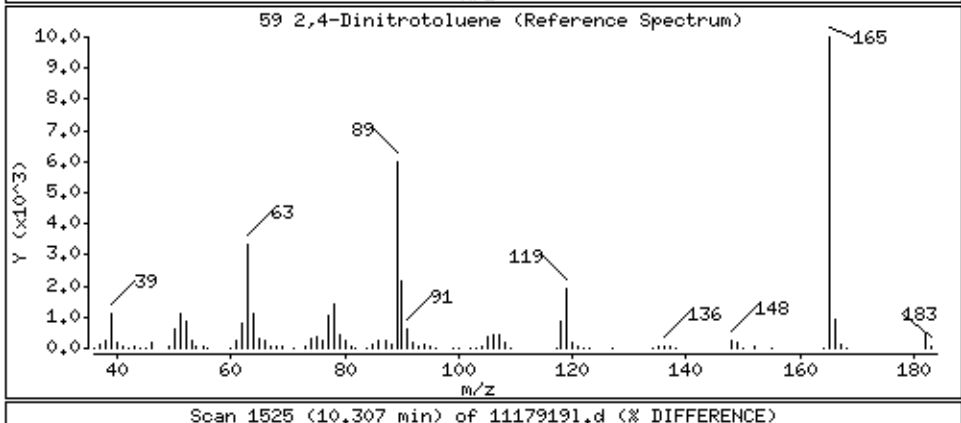
Concentration: 3232 ug/Kg

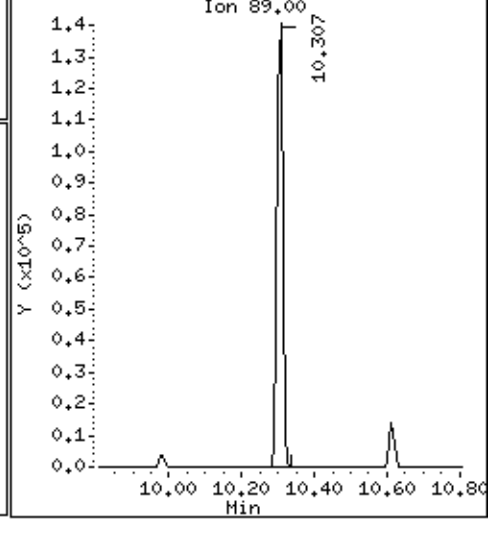


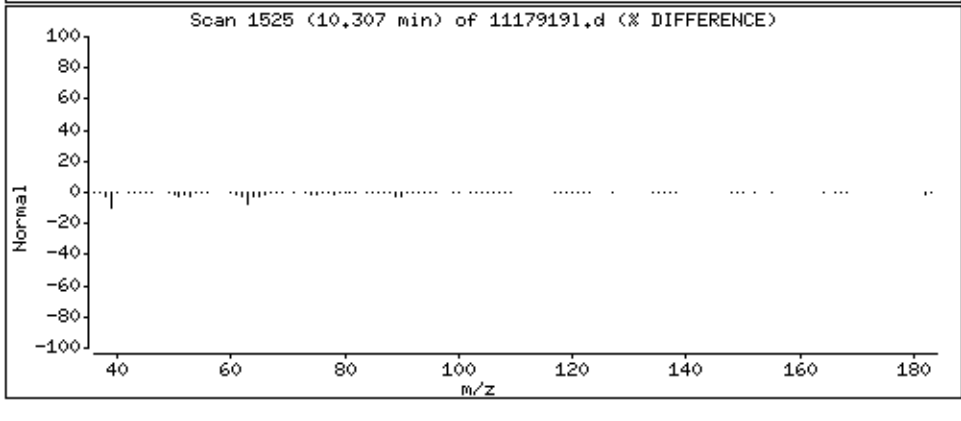












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

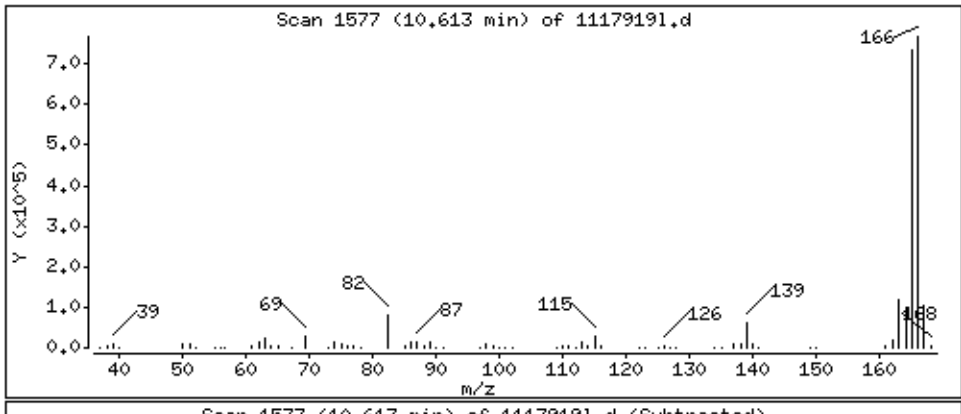
Operator: SN

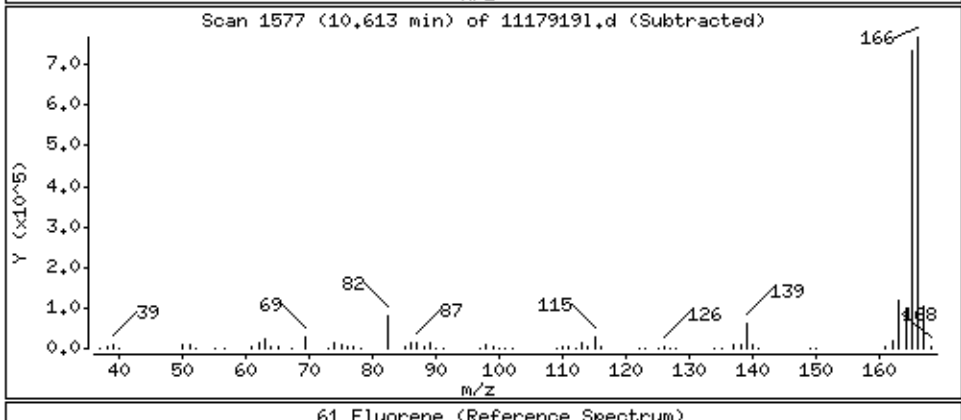
Column phase: .50um DB-5ms

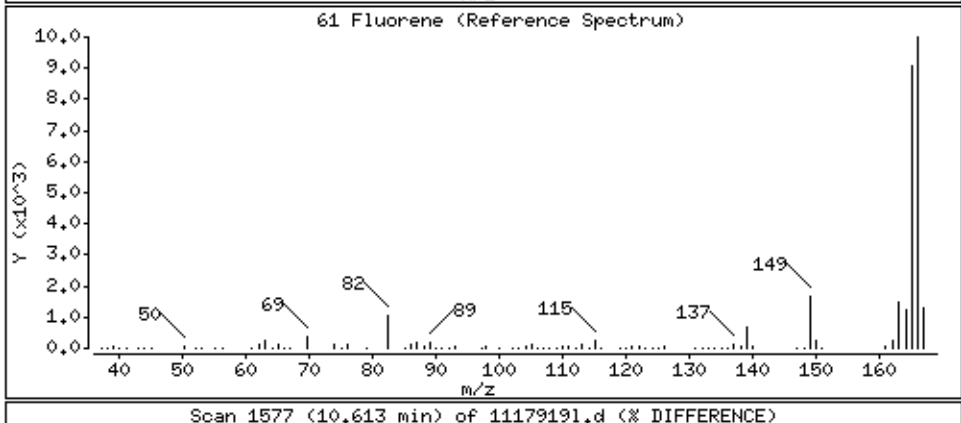
Column diameter: 0.25

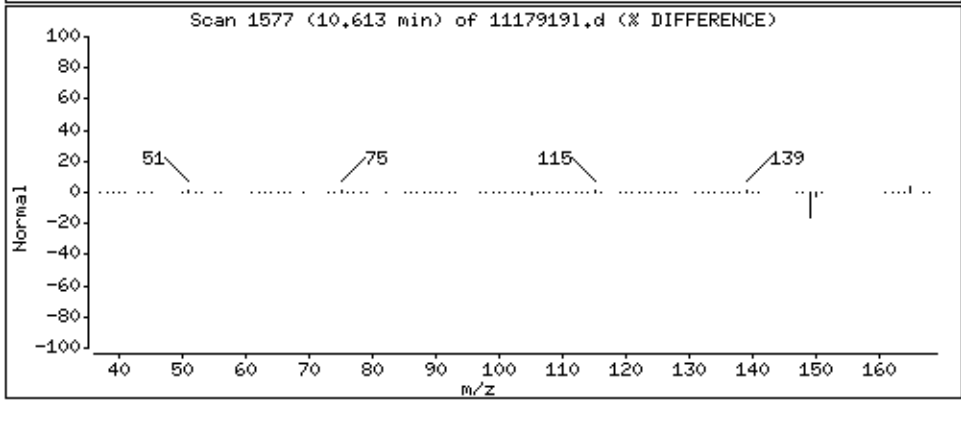
61 Fluorene

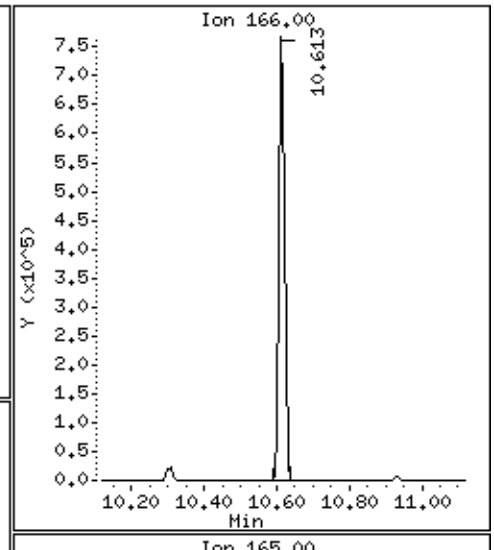
Concentration: 3089 ug/Kg

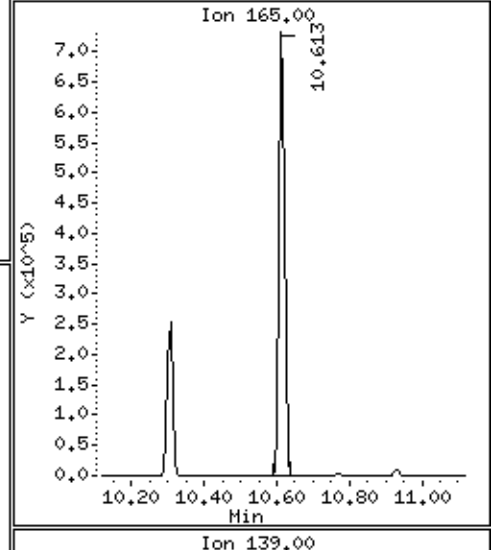


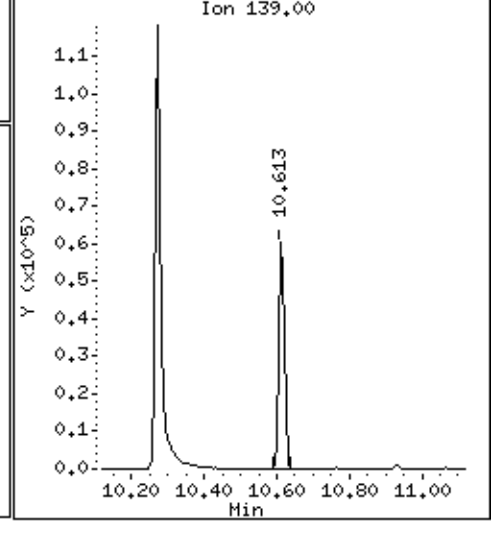












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

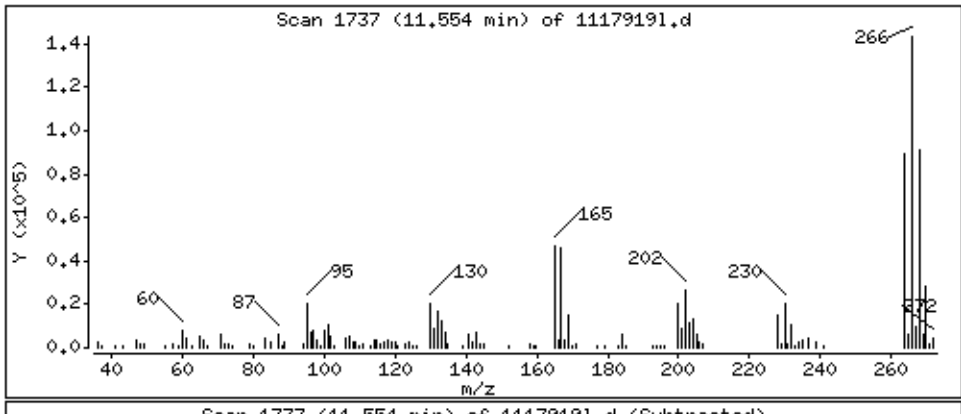
Operator: SN

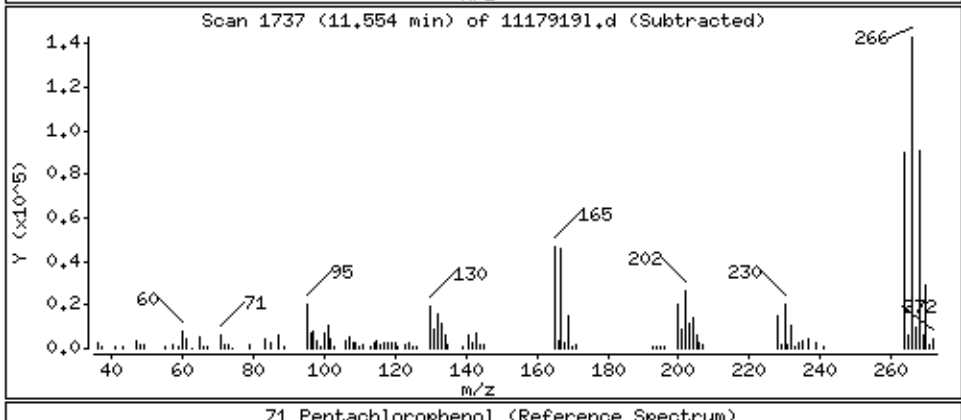
Column phase: .50um DB-5ms

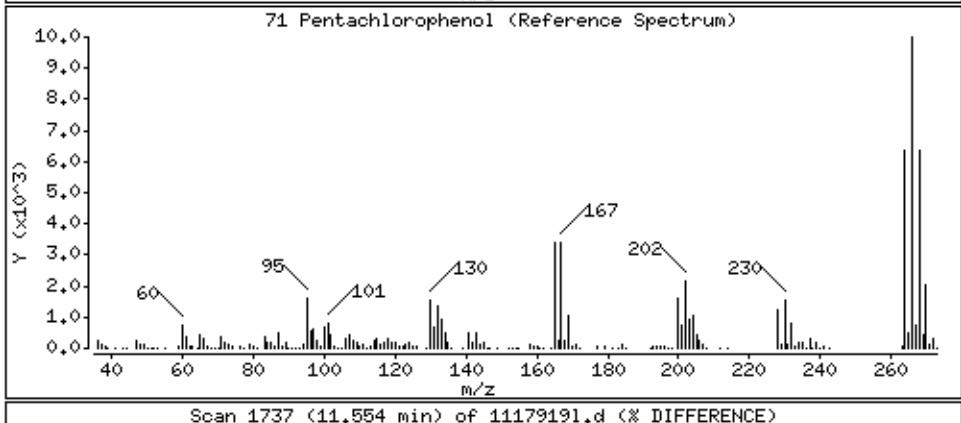
Column diameter: 0.25

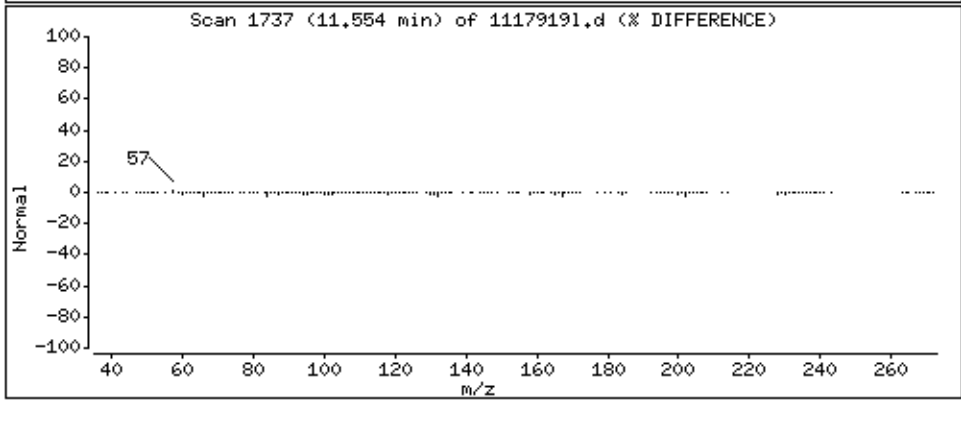
71 Pentachlorophenol

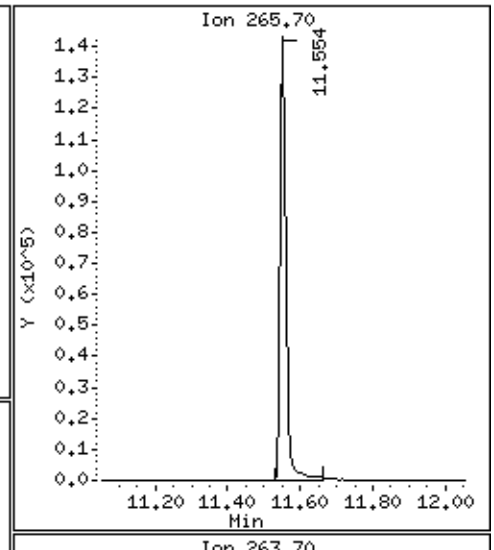
Concentration: 2614 ug/Kg

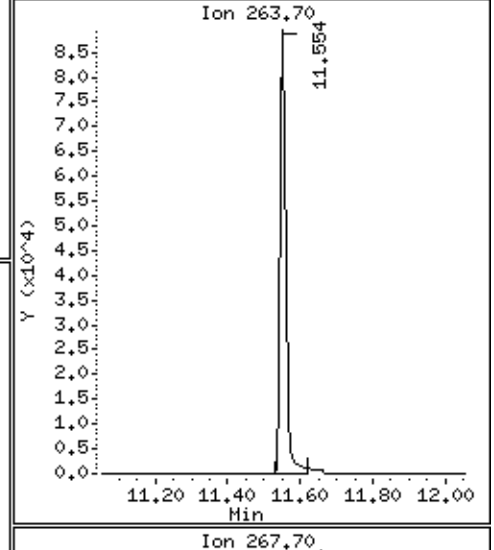


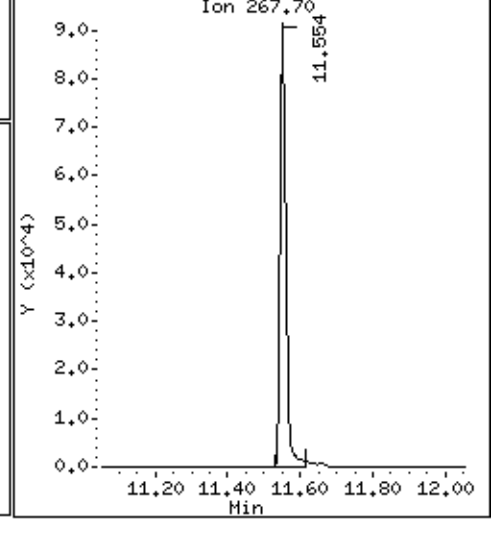












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

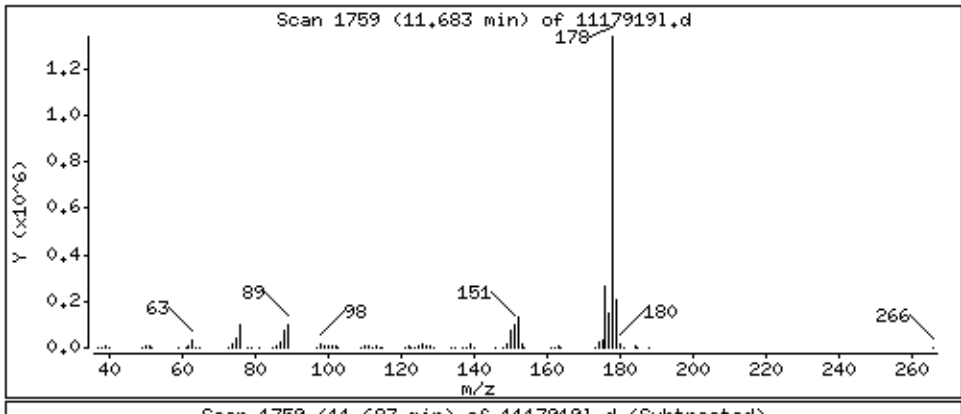
Operator: SN

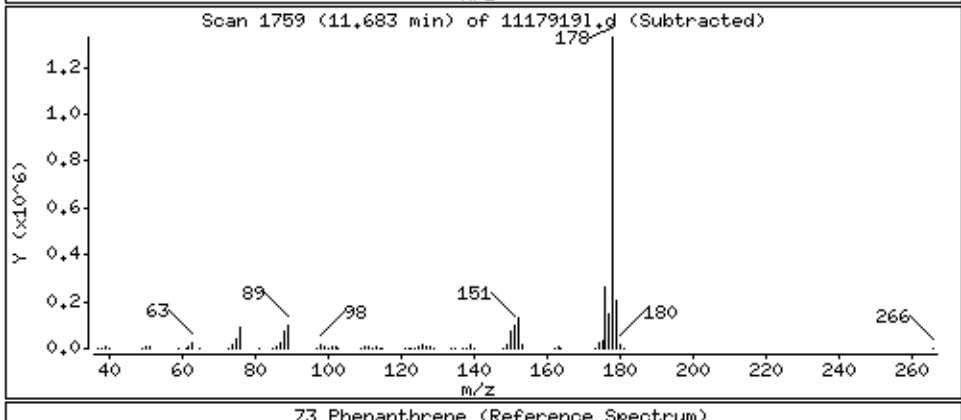
Column phase: .50um DB-5ms

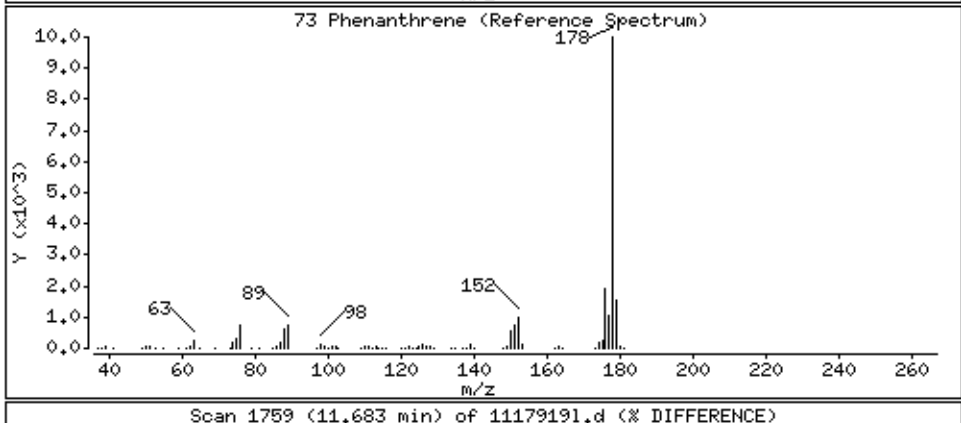
Column diameter: 0.25

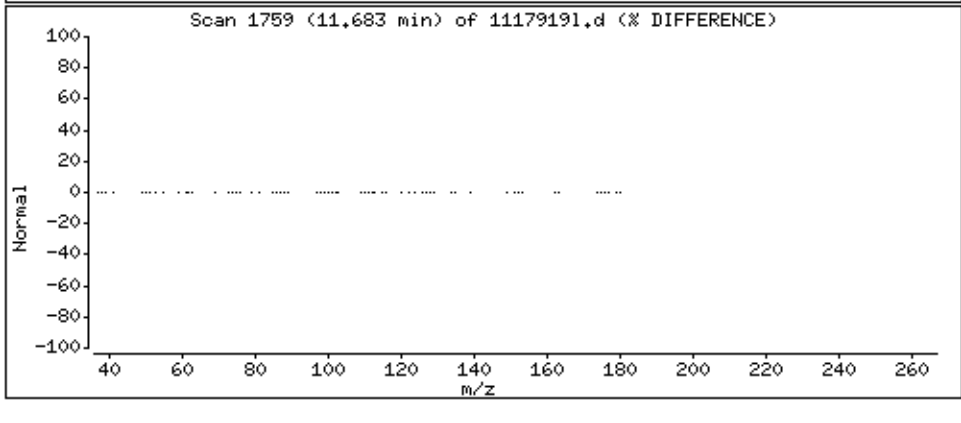
73 Phenanthrene

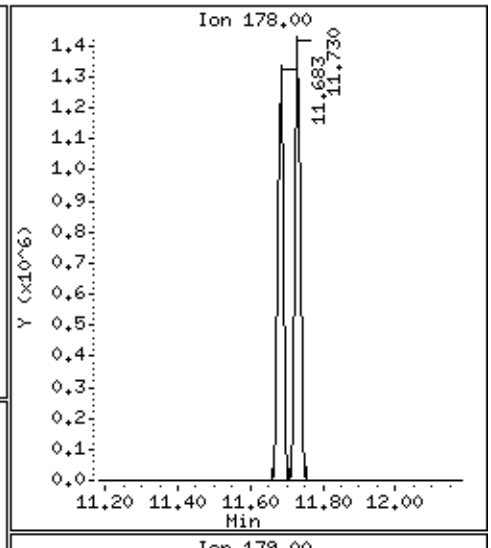
Concentration: 3065 ug/Kg

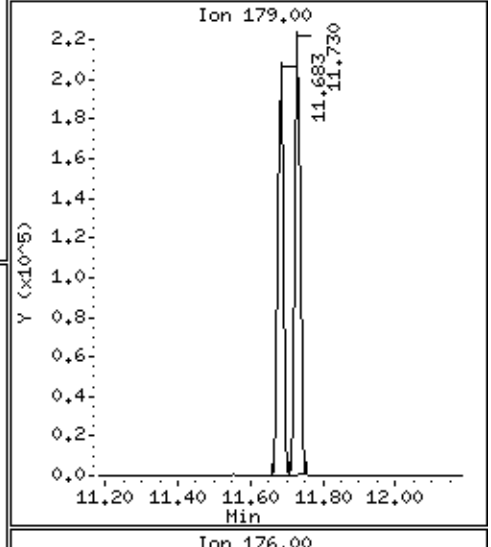


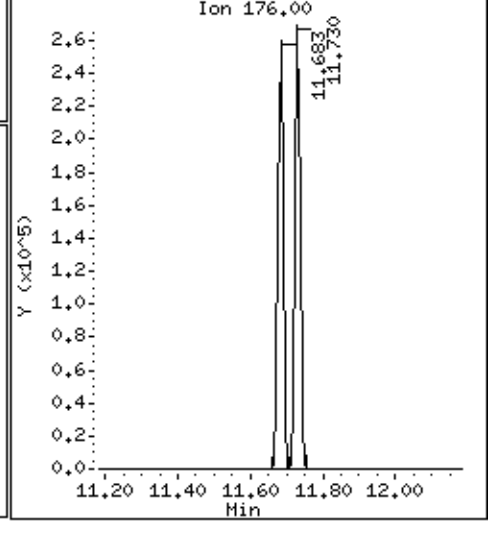












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

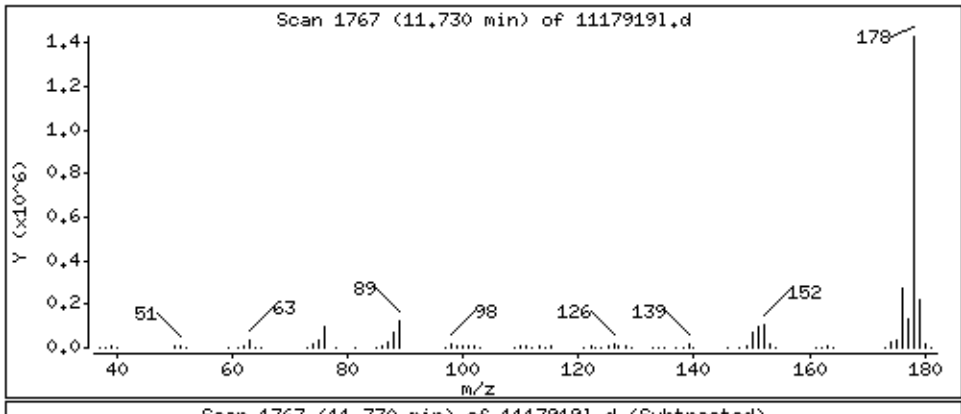
Operator: SN

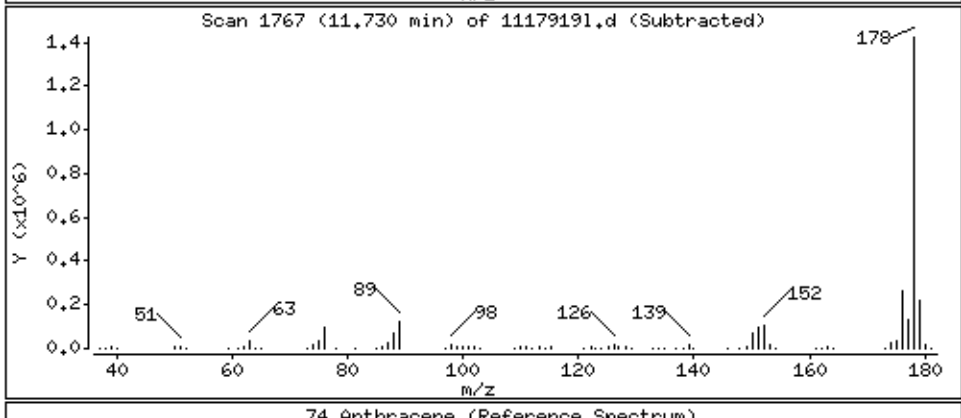
Column phase: .50um DB-5ms

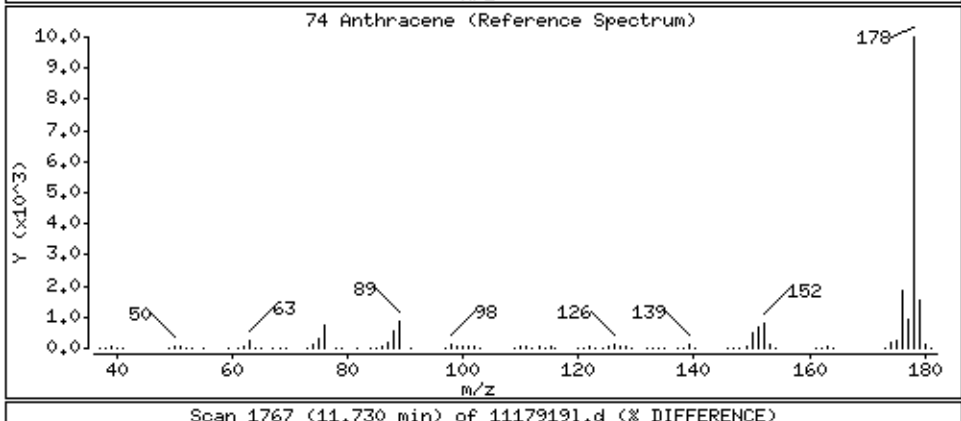
Column diameter: 0.25

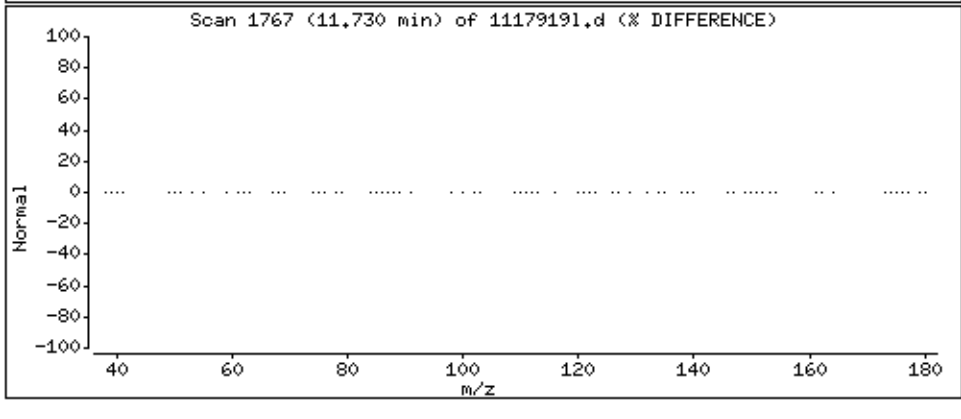
74 Anthracene

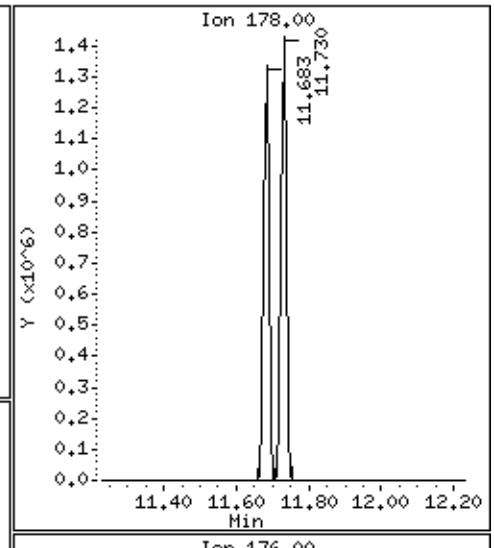
Concentration: 3169 ug/Kg

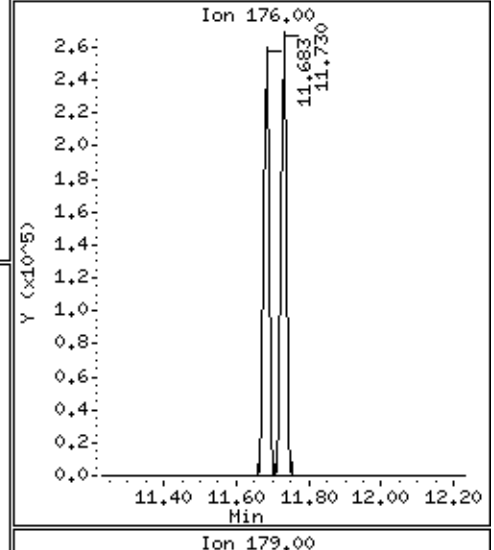


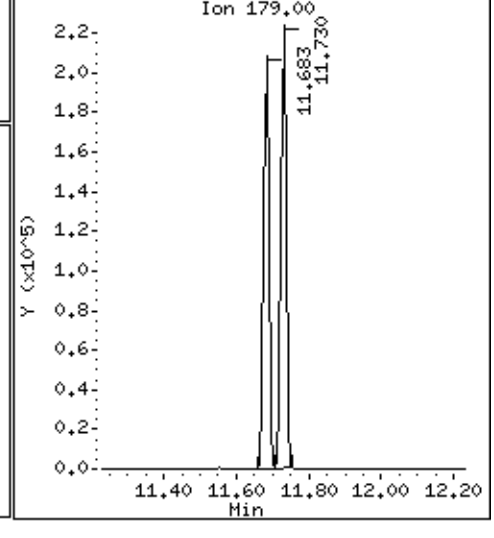












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

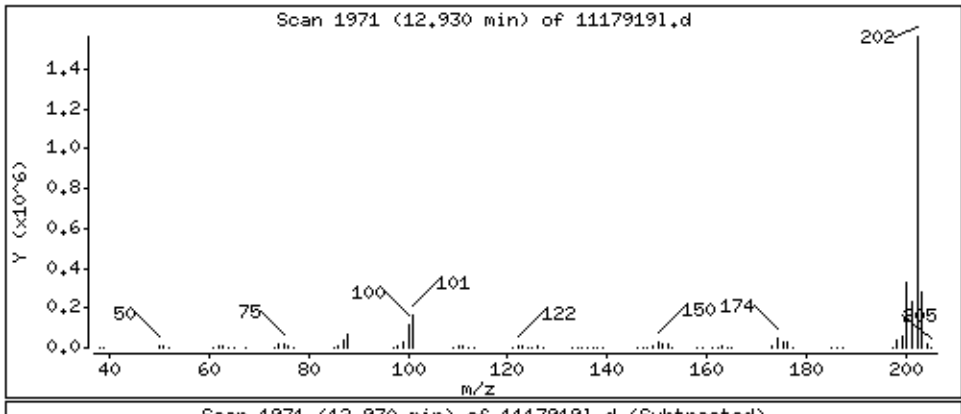
Operator: SN

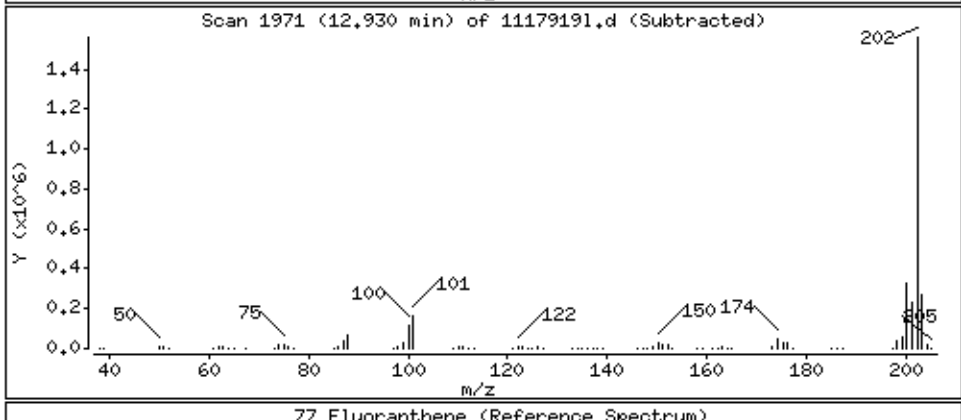
Column phase: .50um DB-5ms

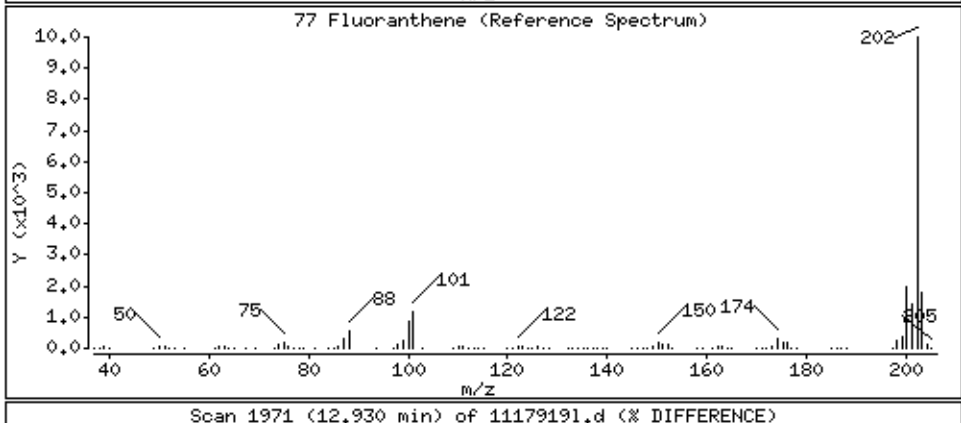
Column diameter: 0.25

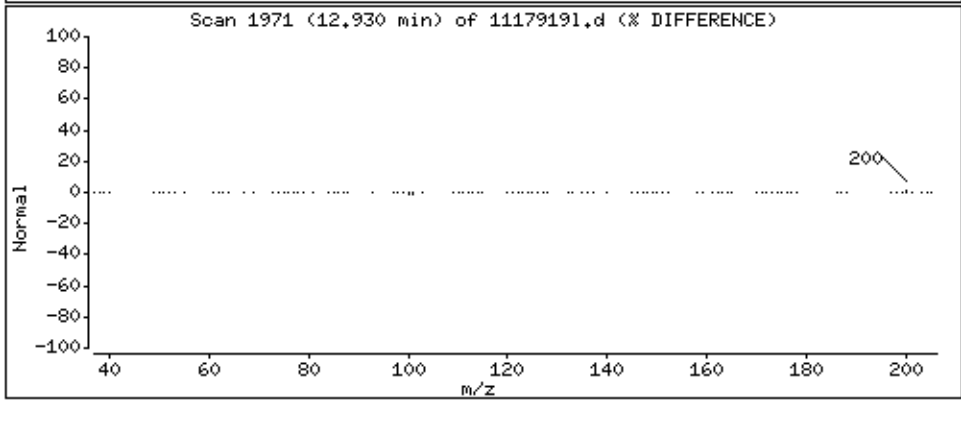
77 Fluoranthene

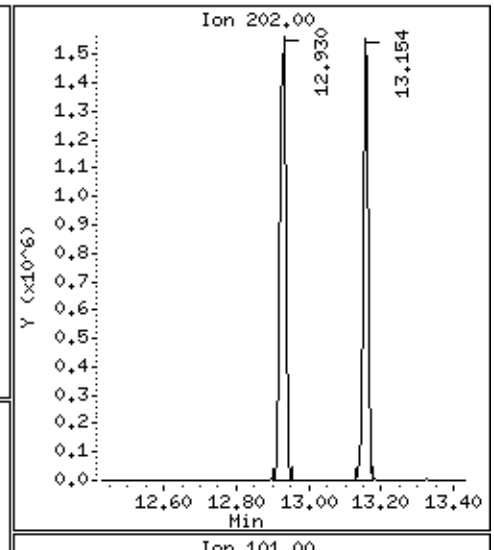
Concentration: 3148 ug/Kg

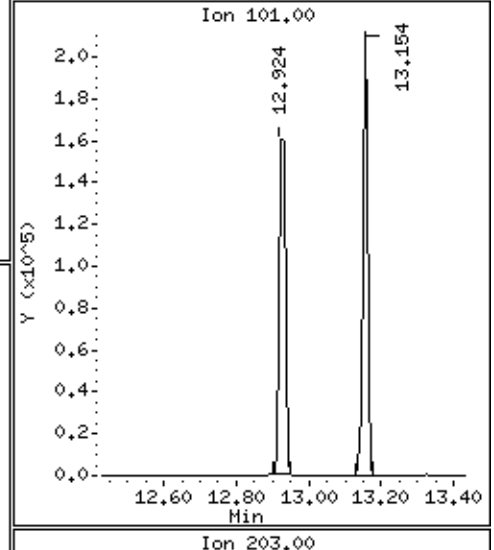


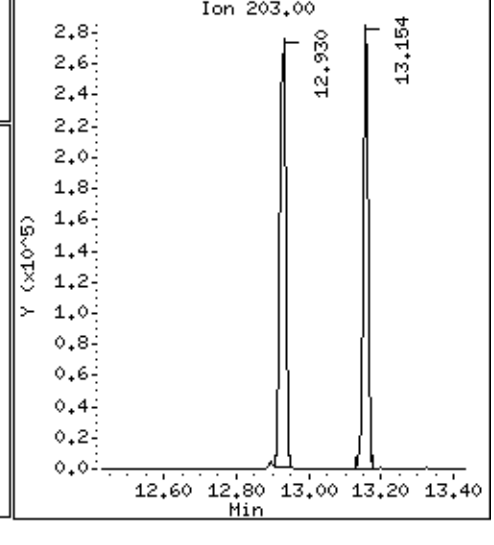












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

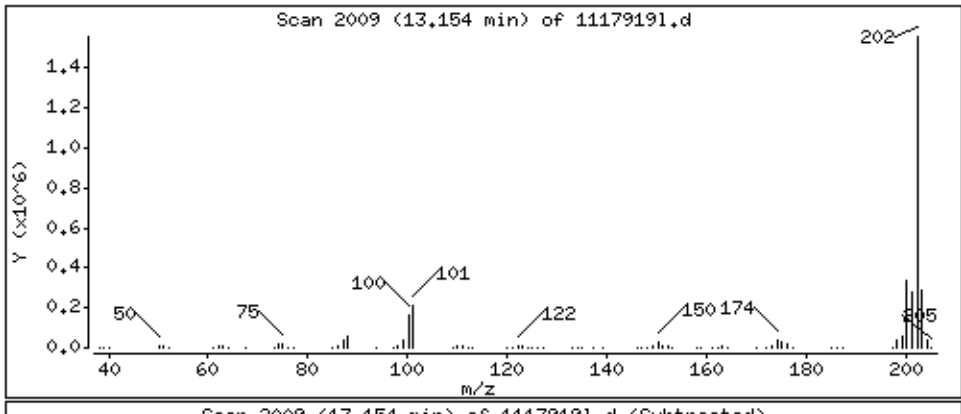
Operator: SN

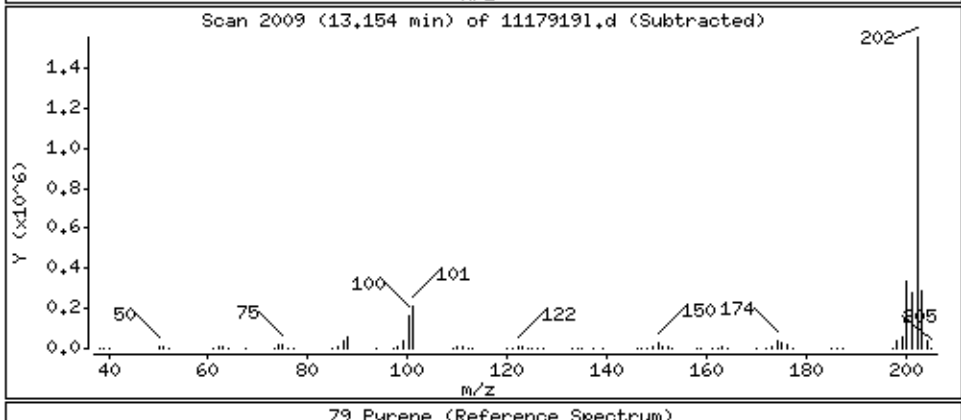
Column phase: .50um DB-5ms

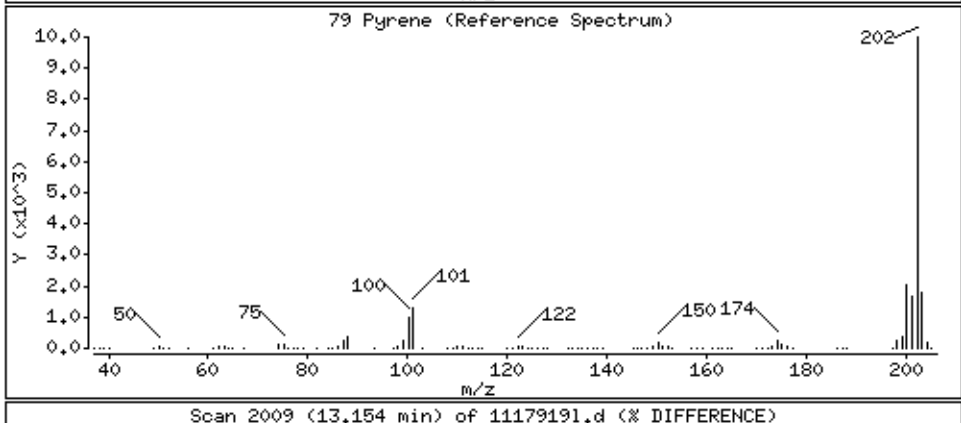
Column diameter: 0.25

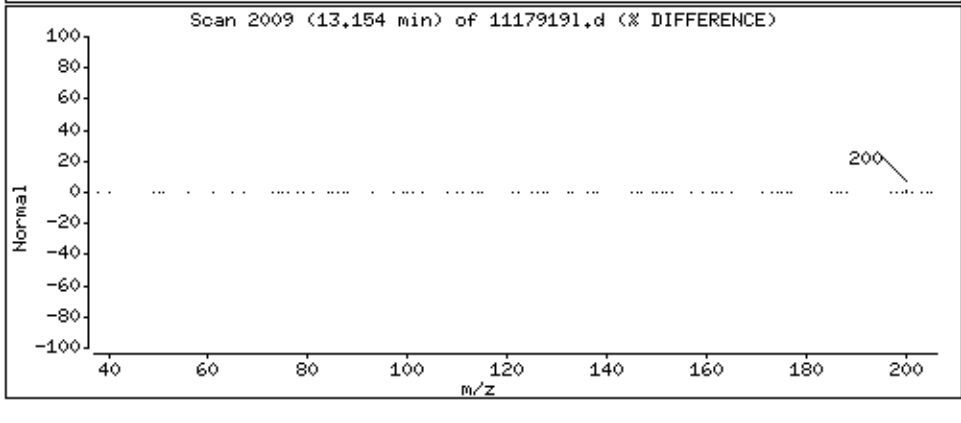
79 Pyrene

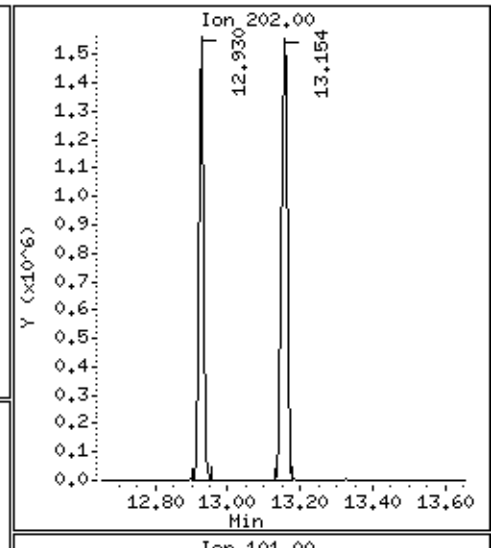
Concentration: 3205 ug/Kg

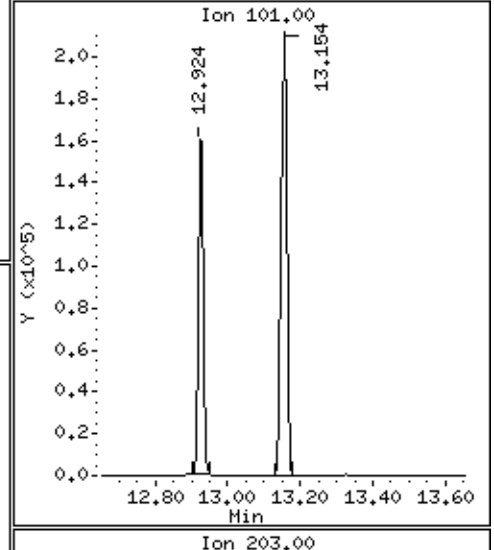


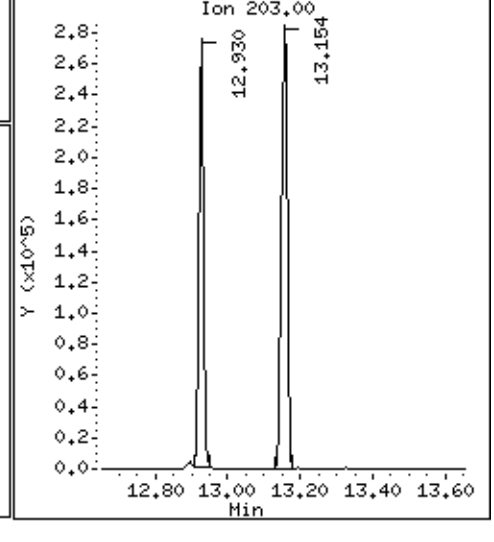












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

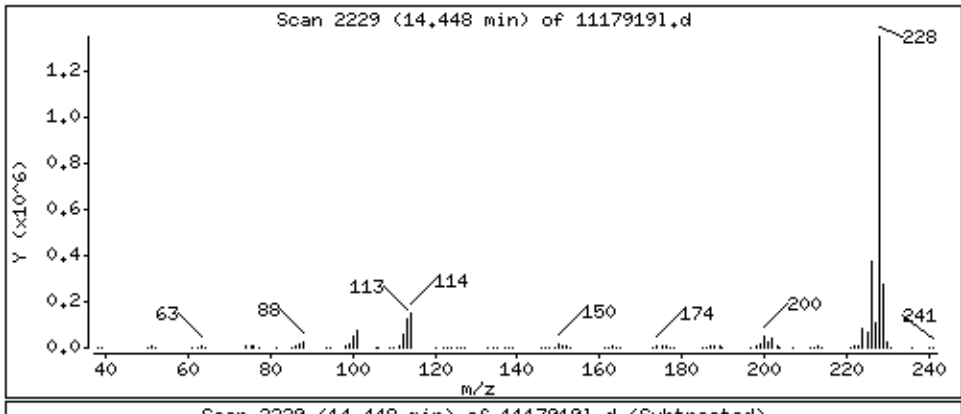
Operator: SN

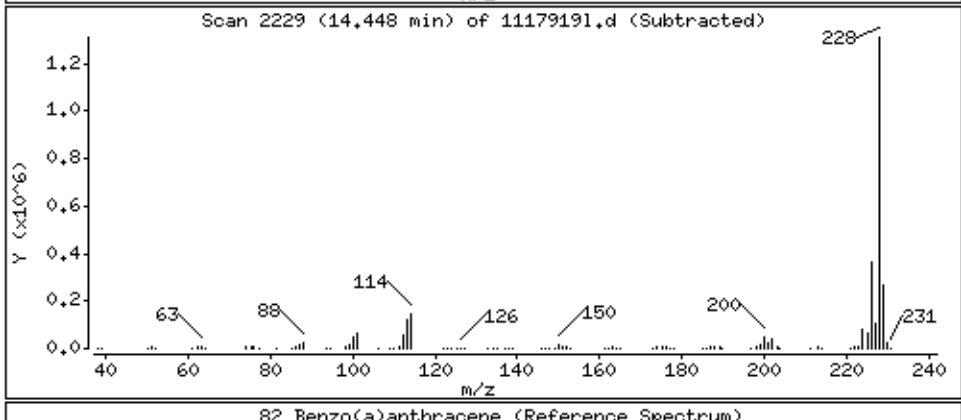
Column phase: .50um DB-5ms

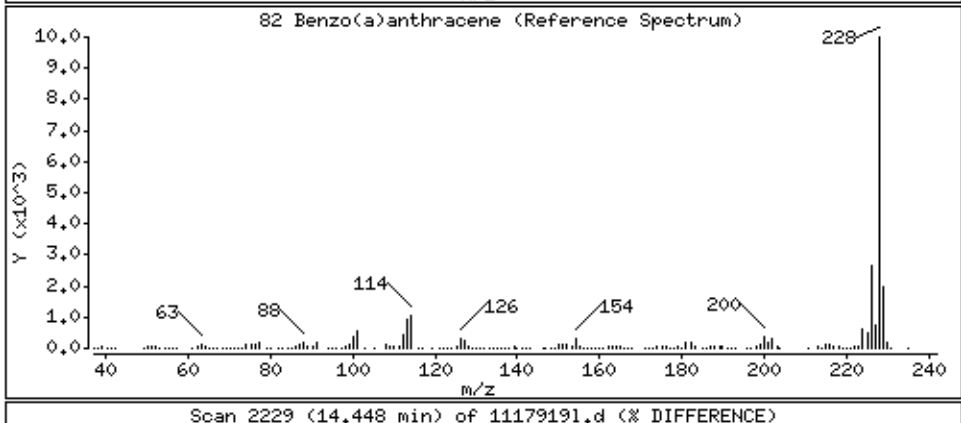
Column diameter: 0.25

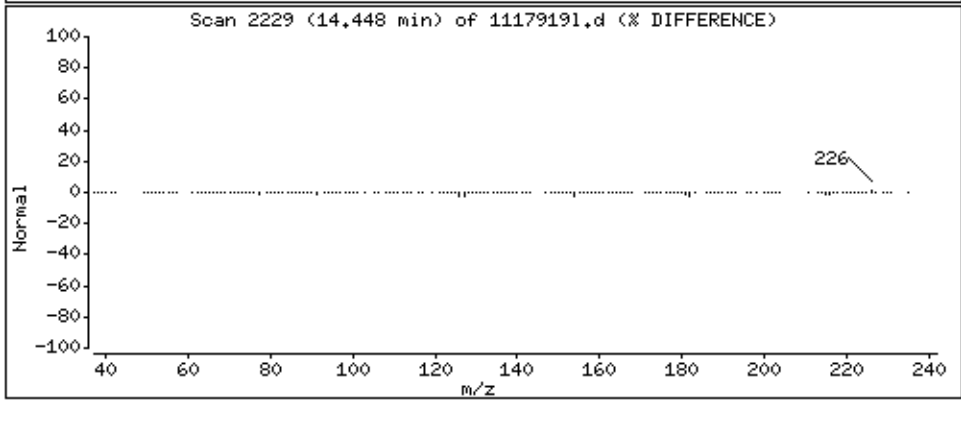
82 Benzo(a)anthracene

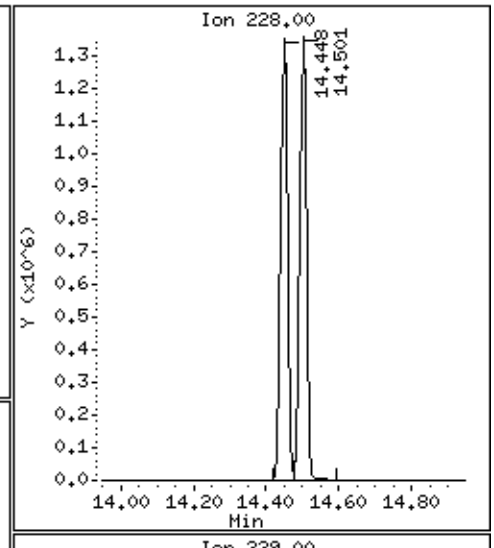
Concentration: 3212 ug/Kg

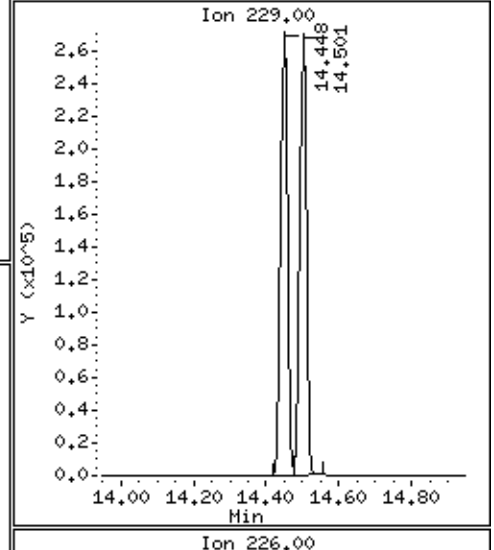


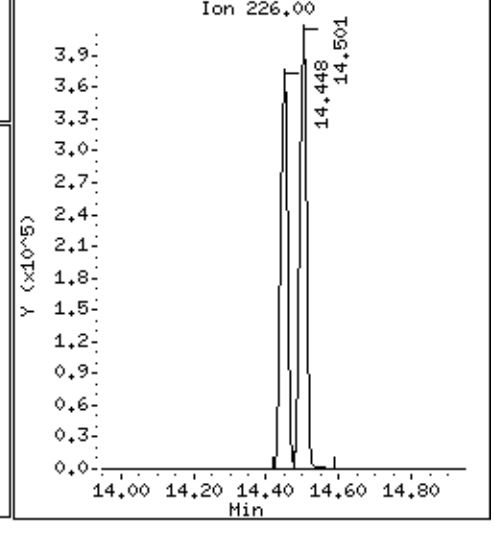












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

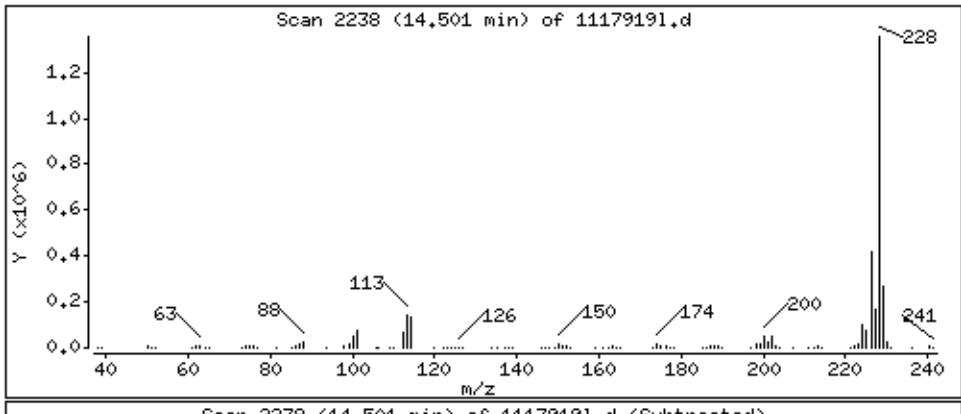
Operator: SN

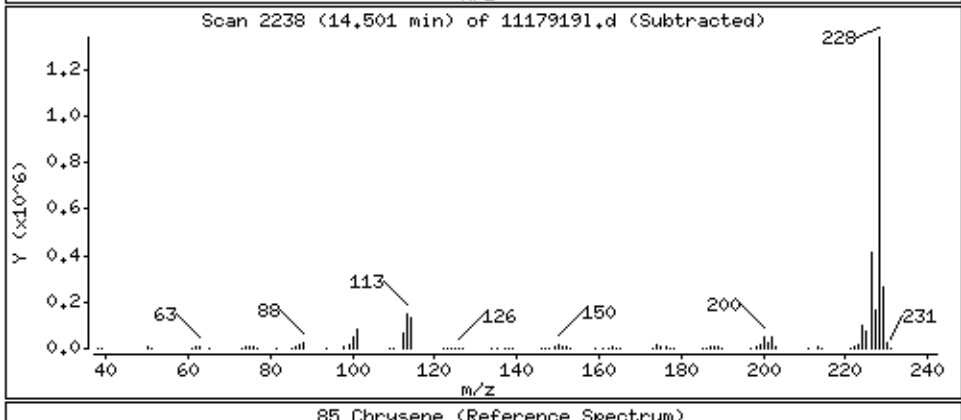
Column phase: .50um DB-5ms

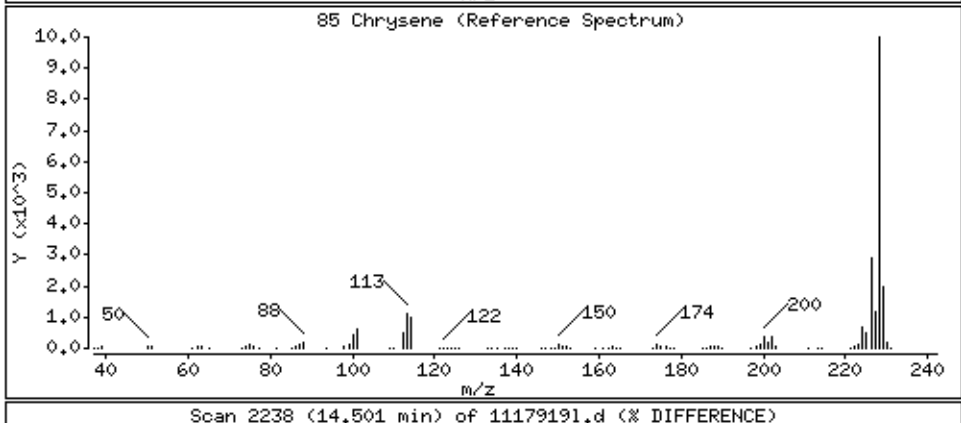
Column diameter: 0.25

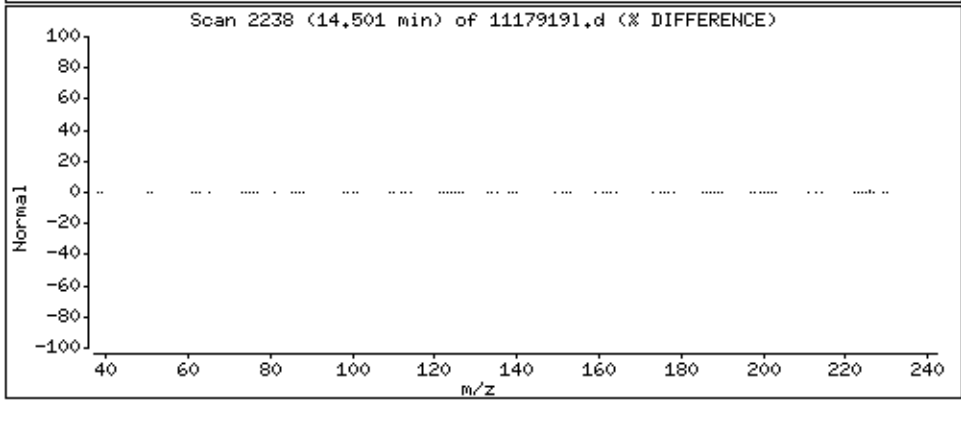
85 Chrysene

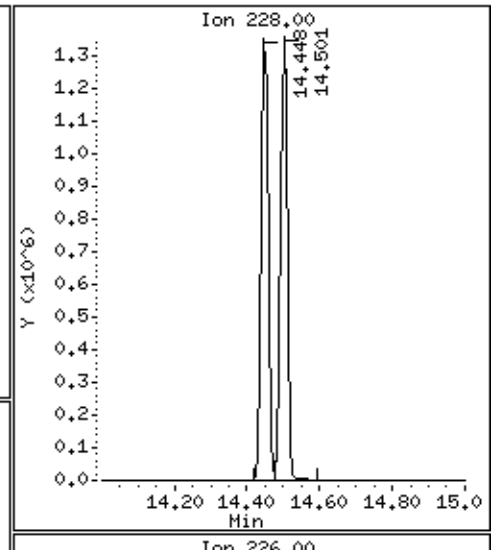
Concentration: 3279 ug/Kg

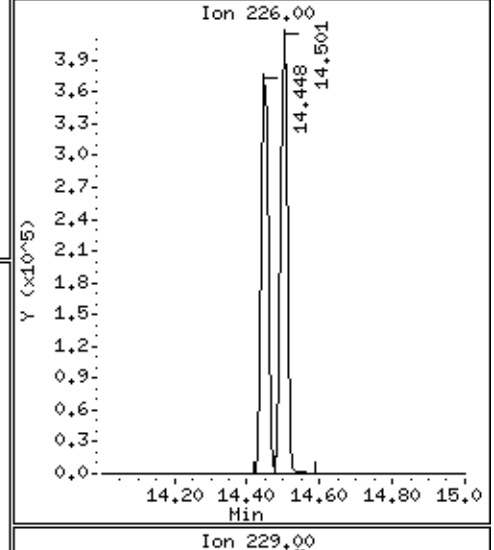


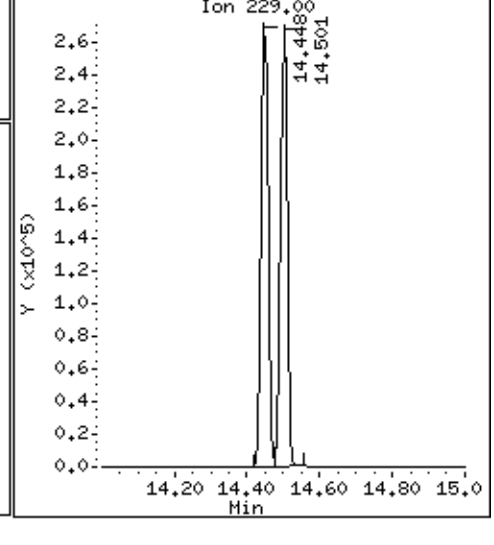












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

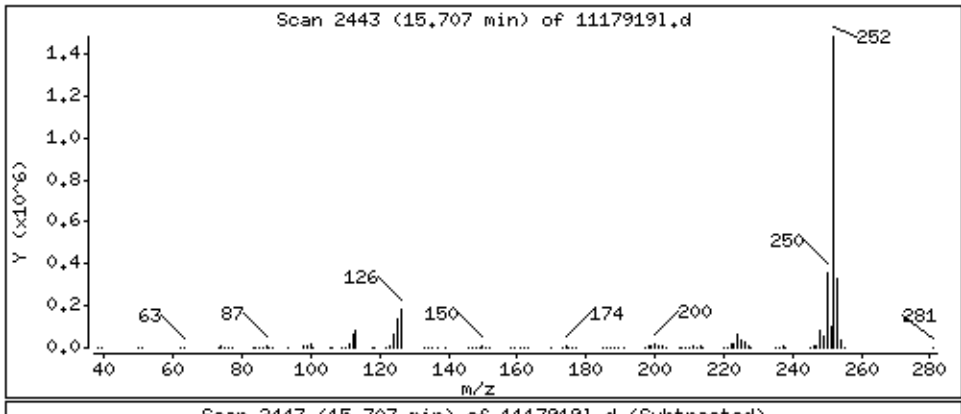
Operator: SN

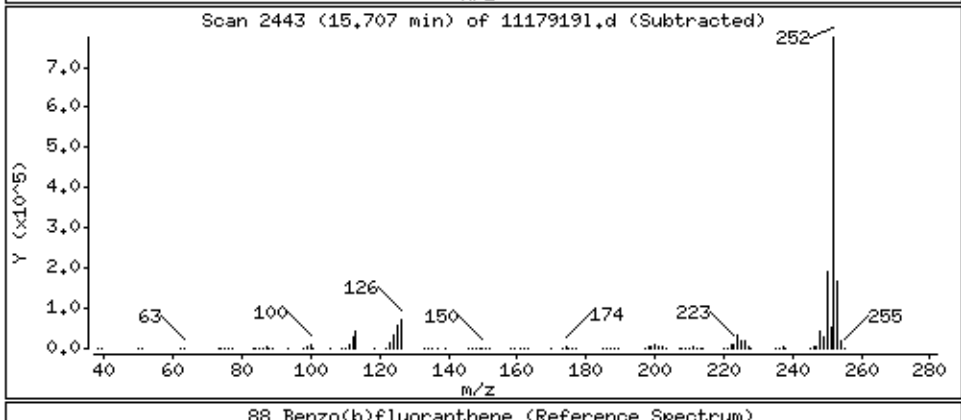
Column phase: .50um DB-5ms

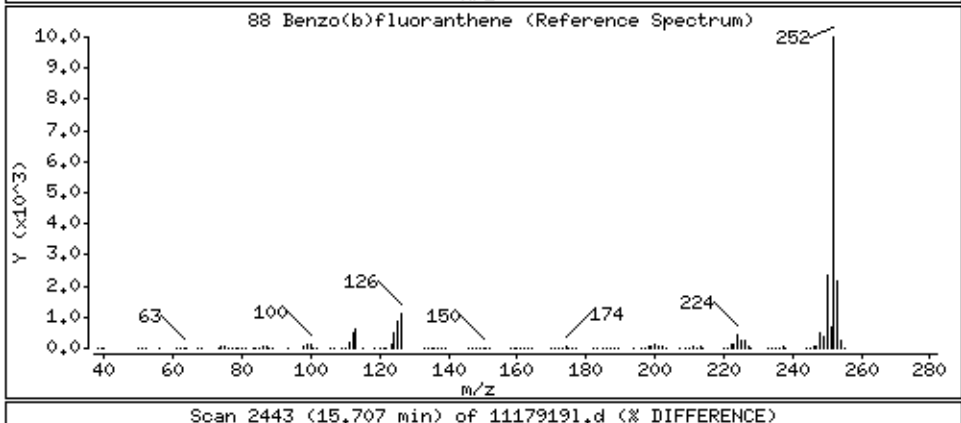
Column diameter: 0.25

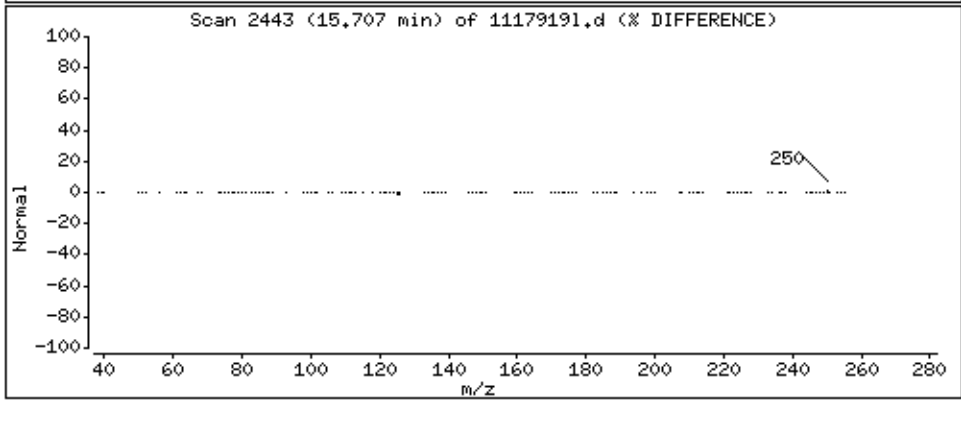
88 Benzo(b)fluoranthene

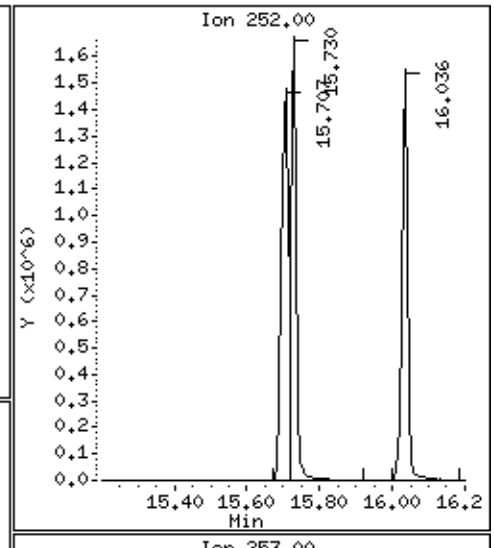
Concentration: 4487 ug/Kg

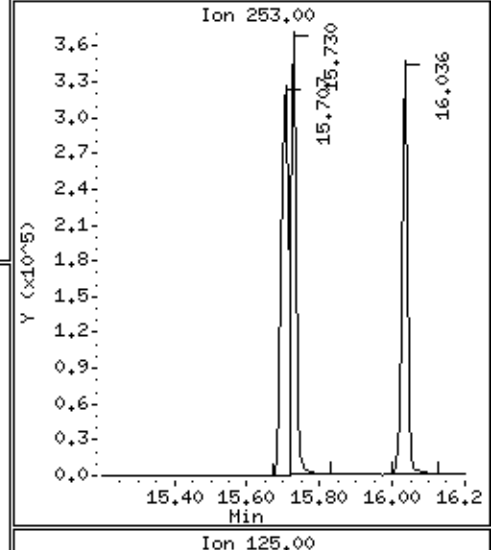


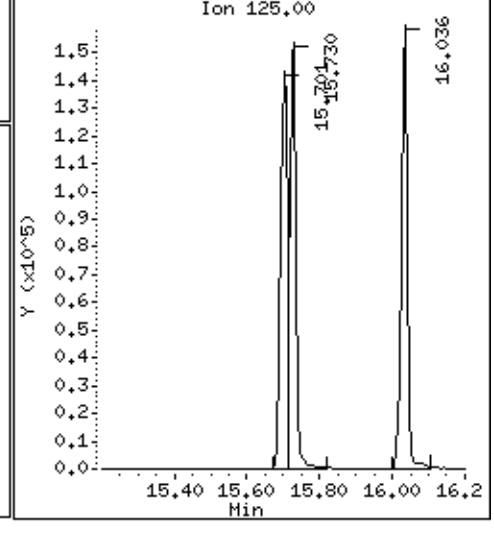












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

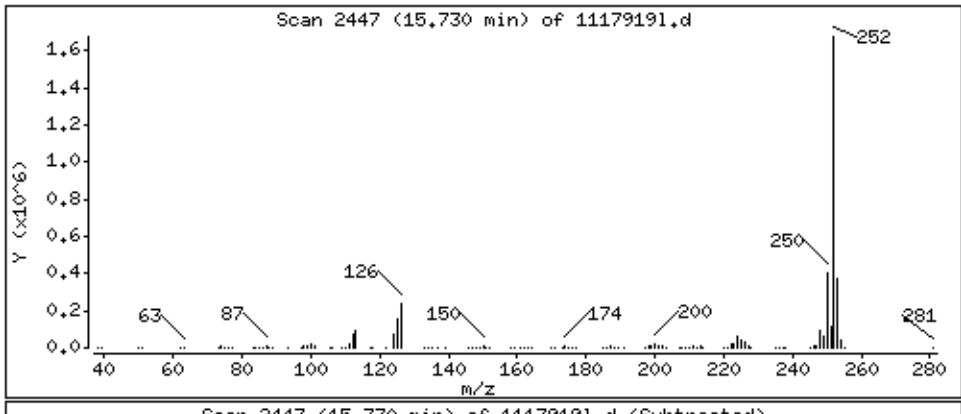
Operator: SN

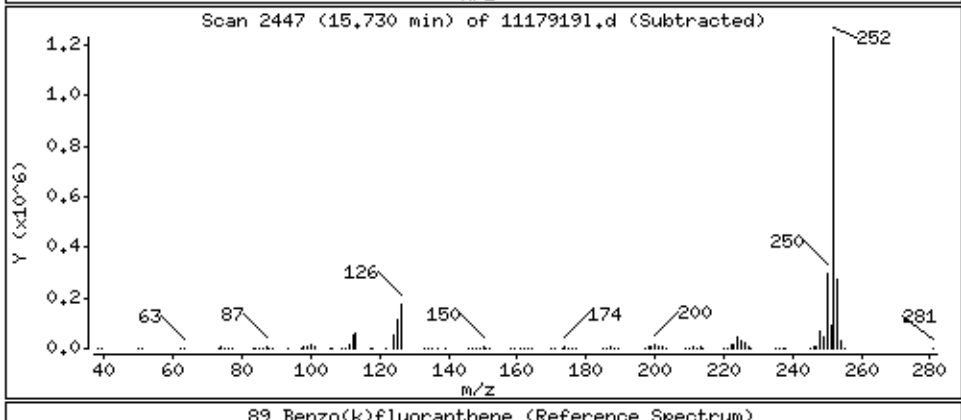
Column phase: .50um DB-5ms

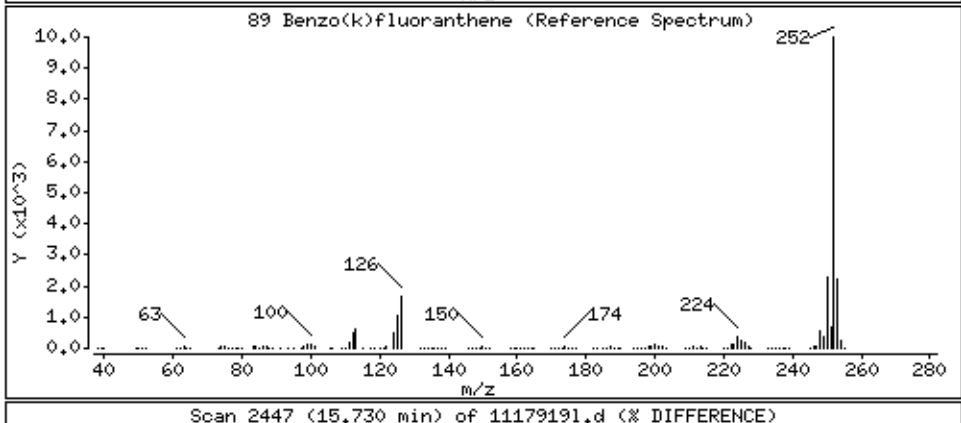
Column diameter: 0.25

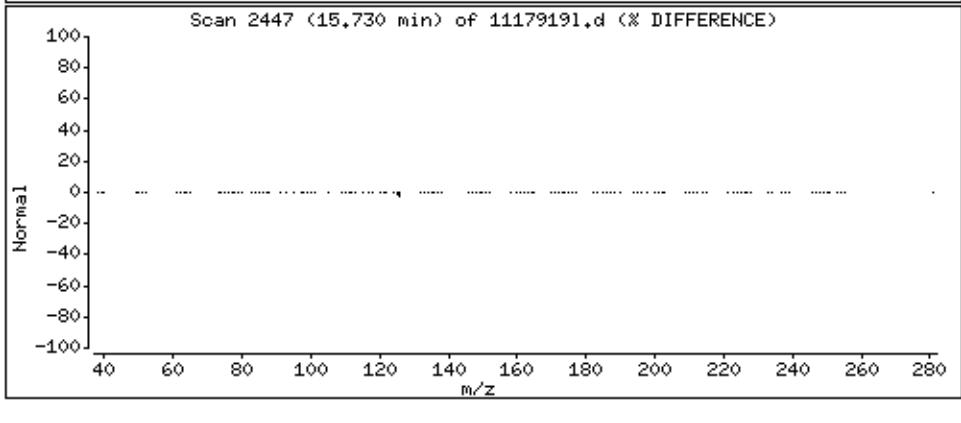
89 Benzo(k)fluoranthene

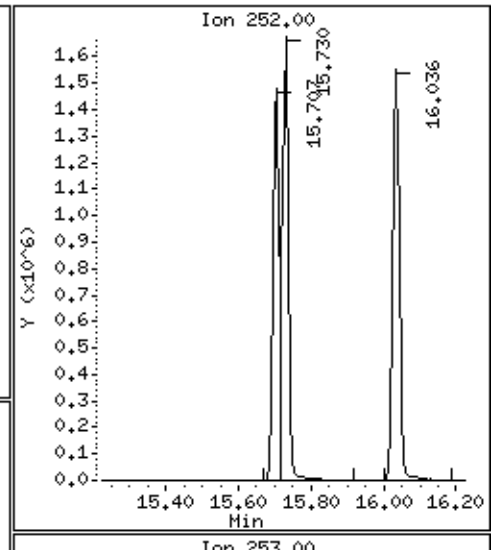
Concentration: 4206 ug/Kg

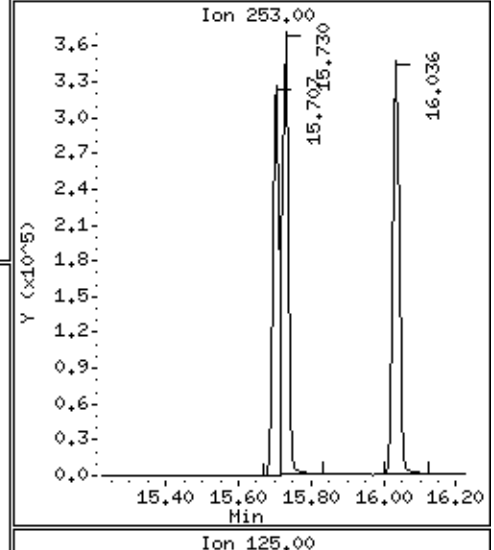


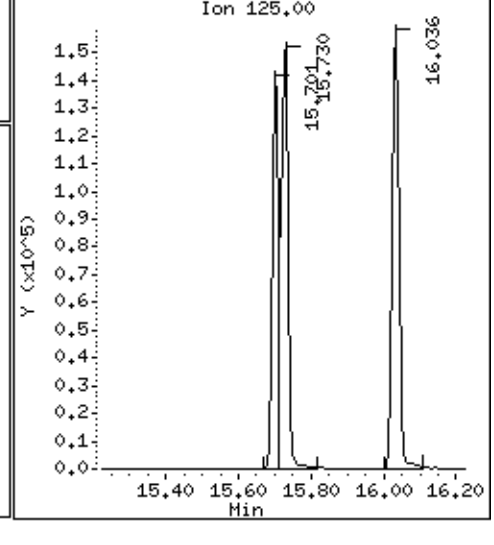












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

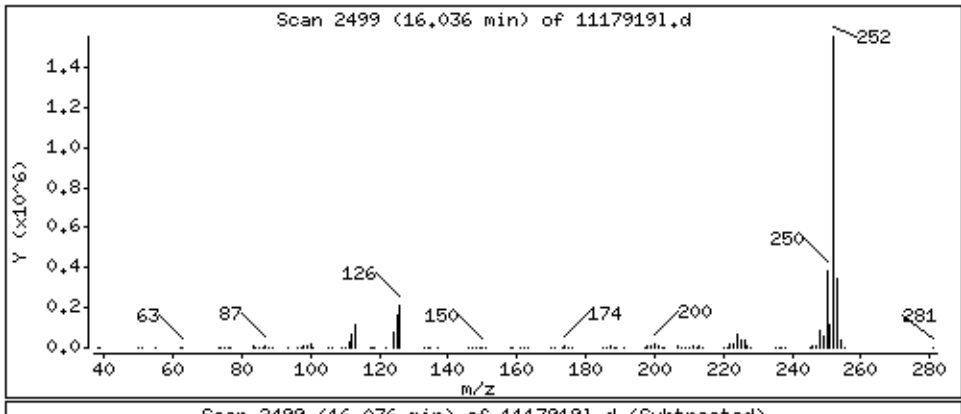
Operator: SN

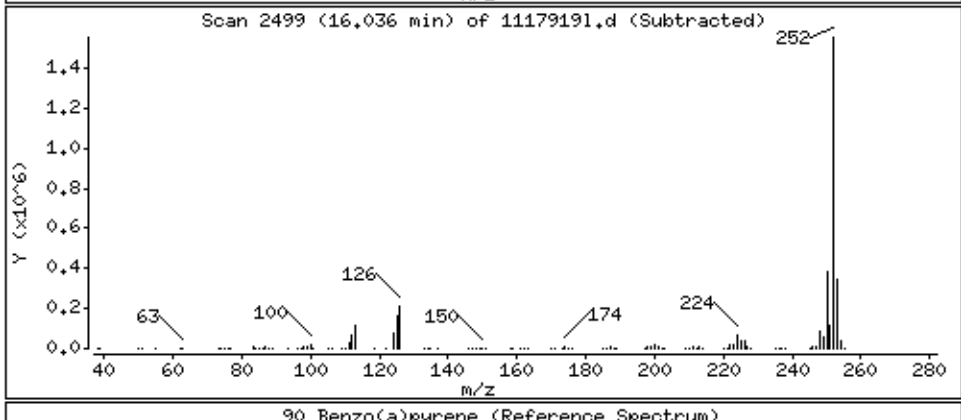
Column phase: .50um DB-5ms

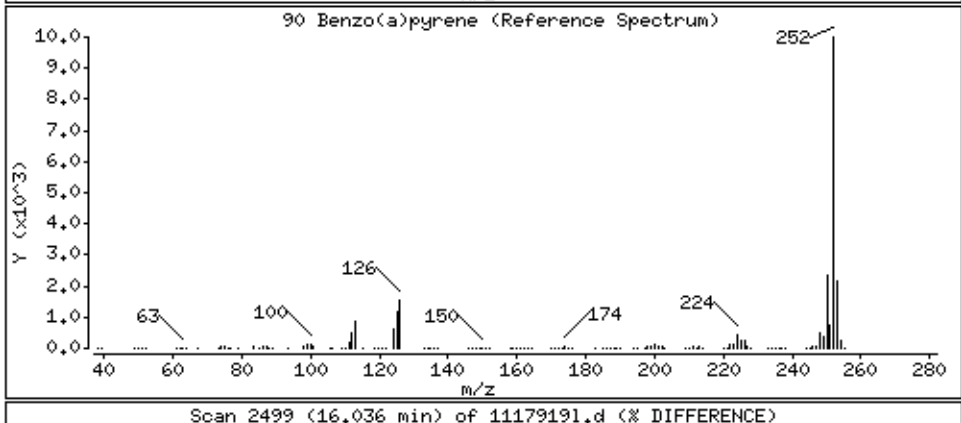
Column diameter: 0.25

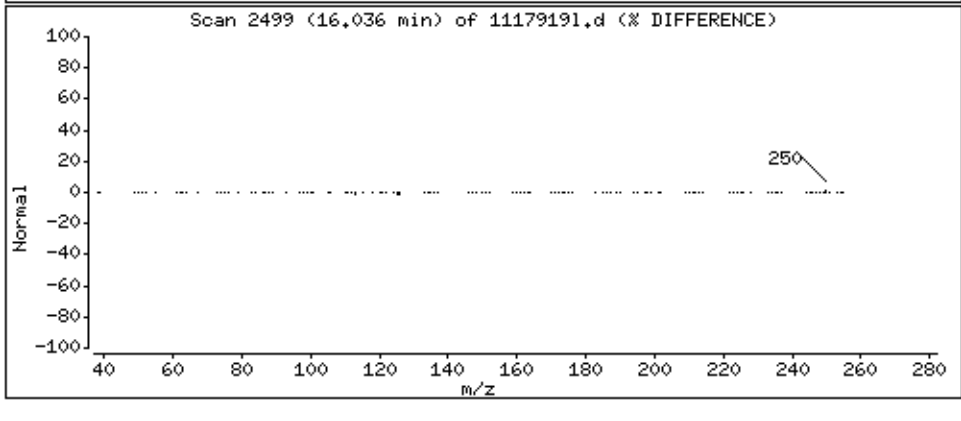
90 Benzo(a)pyrene

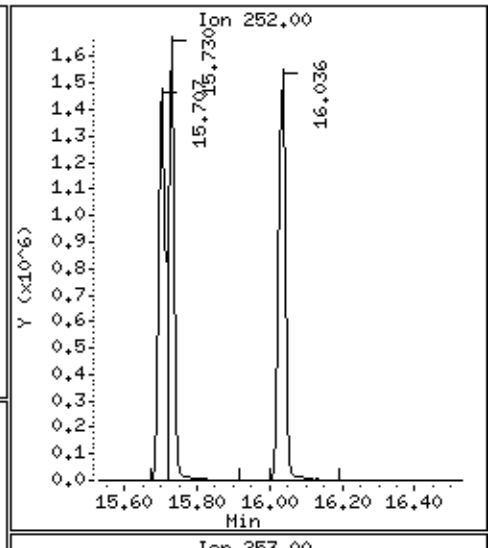
Concentration: 4521 ug/Kg

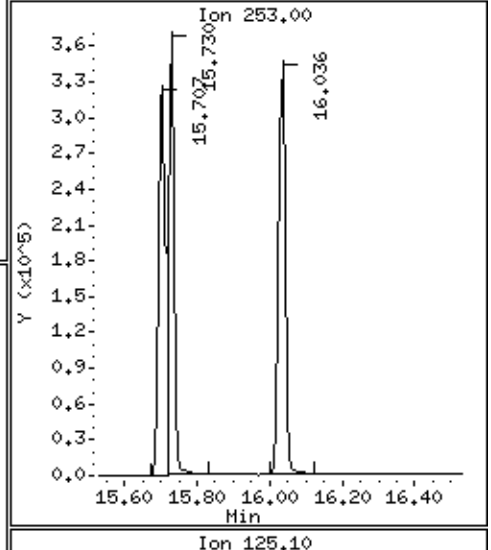


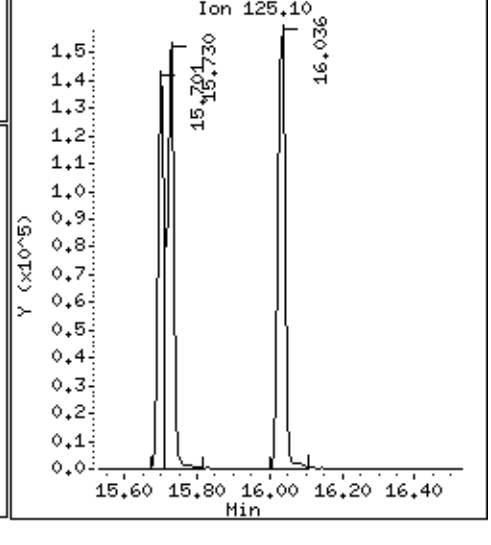












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

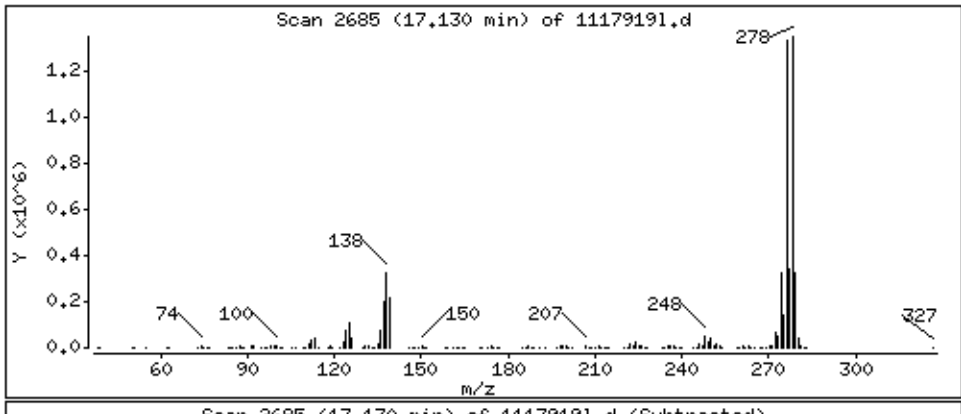
Operator: SN

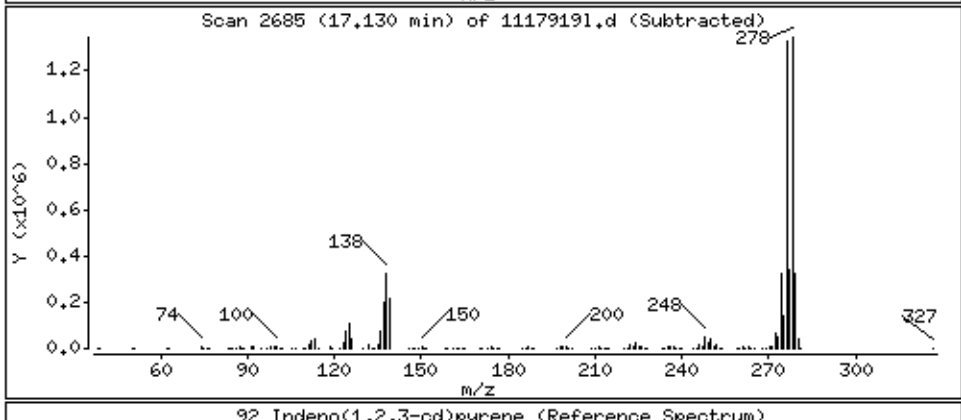
Column phase: .50um DB-5ms

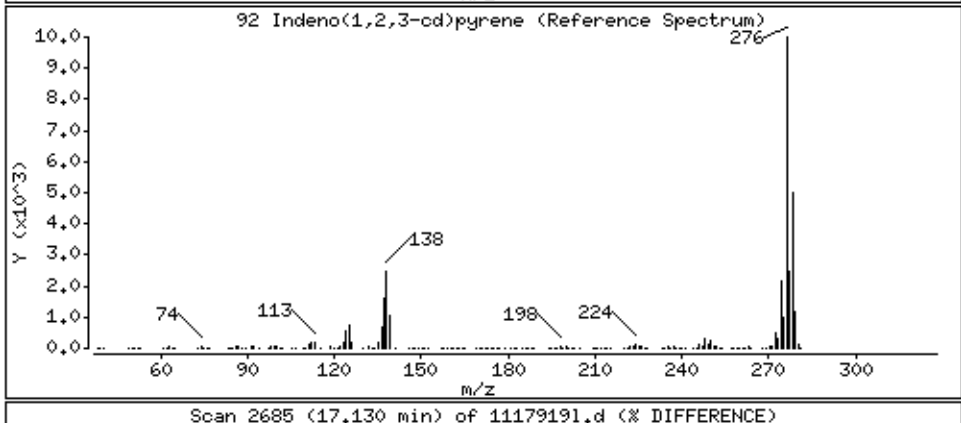
Column diameter: 0.25

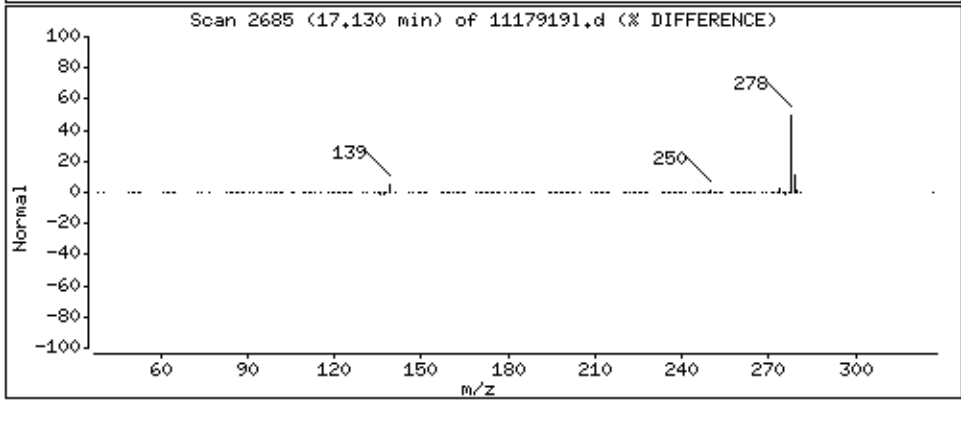
92 Indeno(1,2,3-cd)pyrene

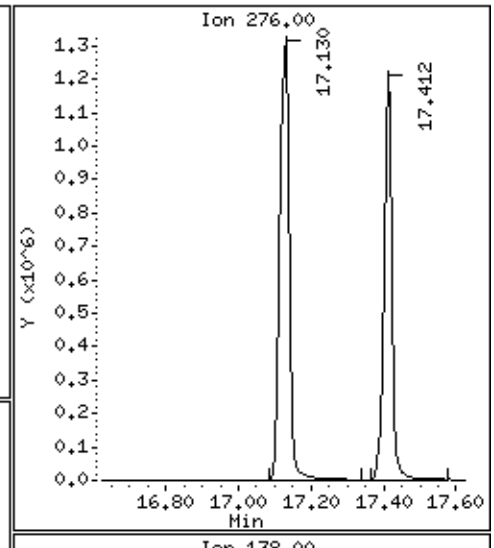
Concentration: 4334 ug/Kg

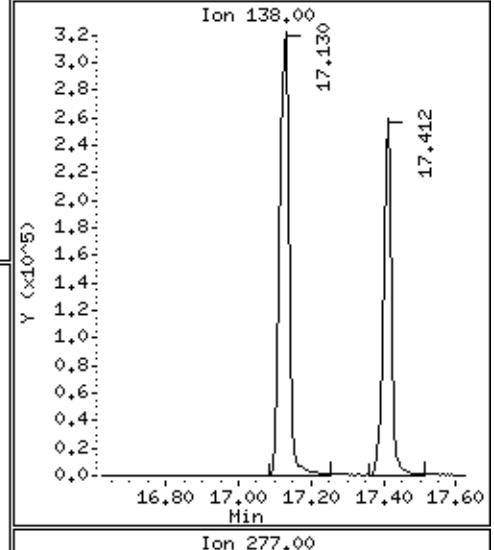


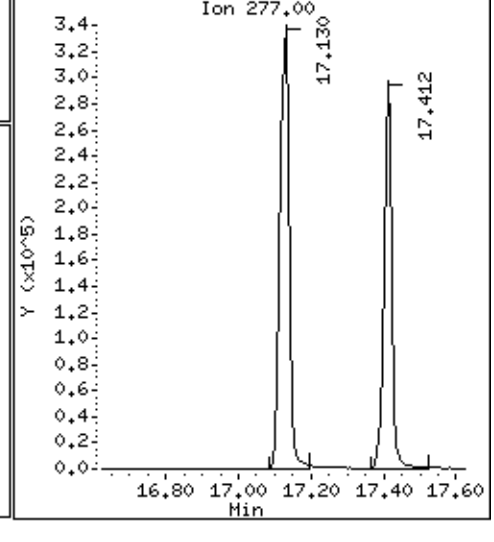












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

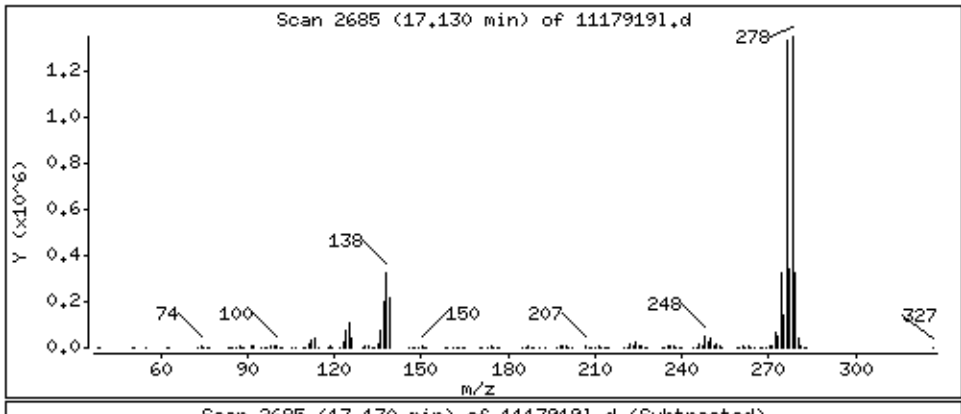
Operator: SN

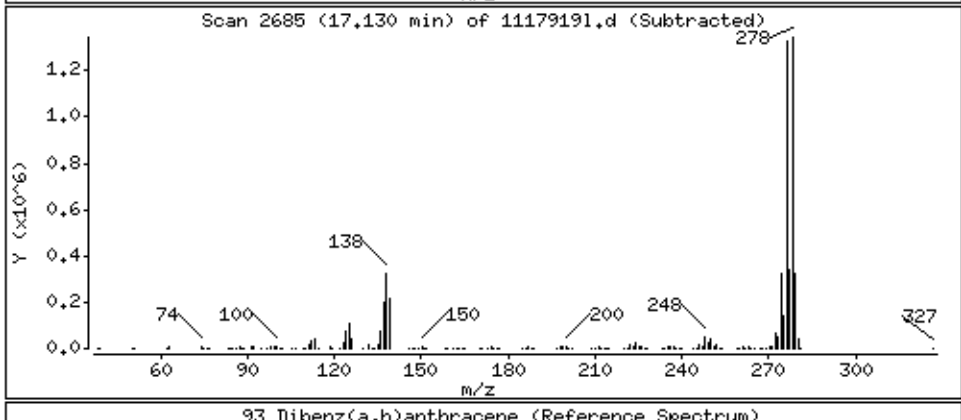
Column phase: .50um DB-5ms

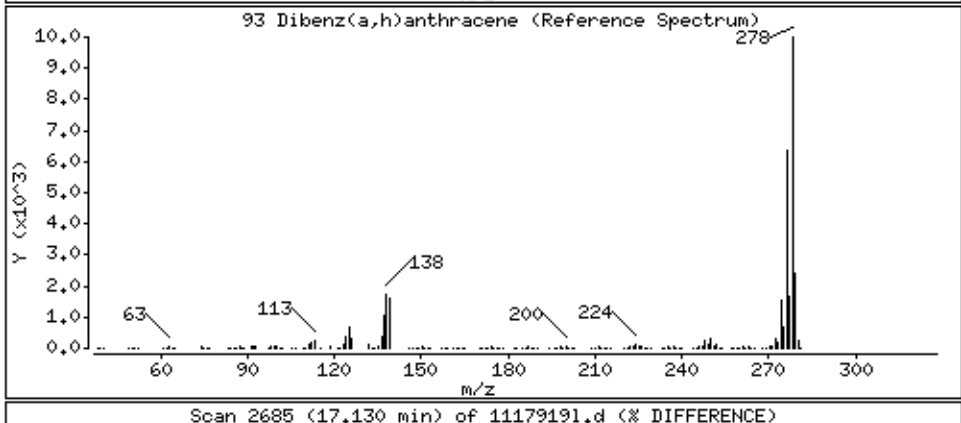
Column diameter: 0.25

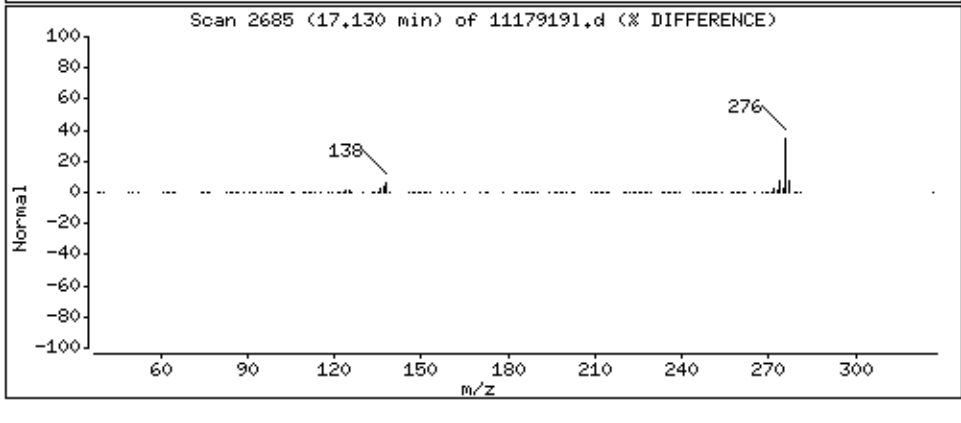
93 Dibenz(a,h)anthracene

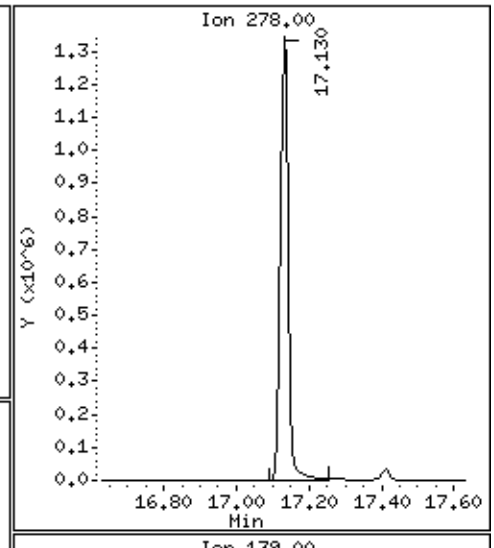
Concentration: 4430 ug/Kg

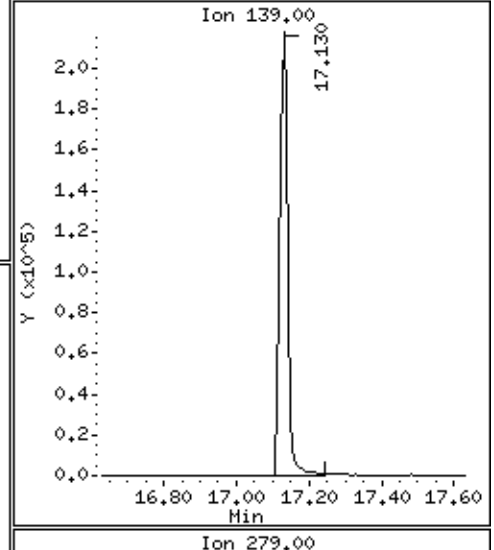


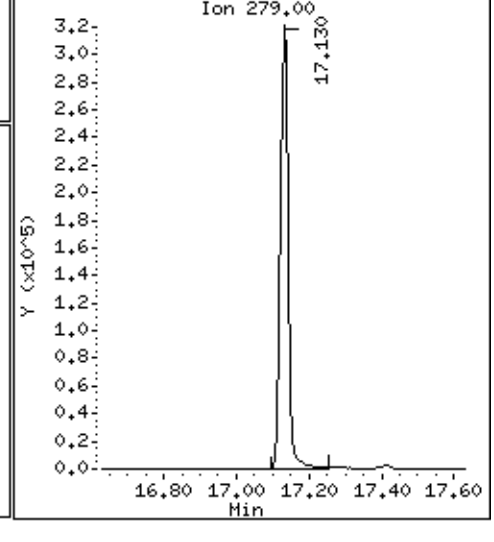












Data File: \\192.168.50.6\chem\50MSS2.i\062714cal.b\1117919l.d

Date : 27-JUN-2014 17:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1117919

Volume Injected (uL): 1.0

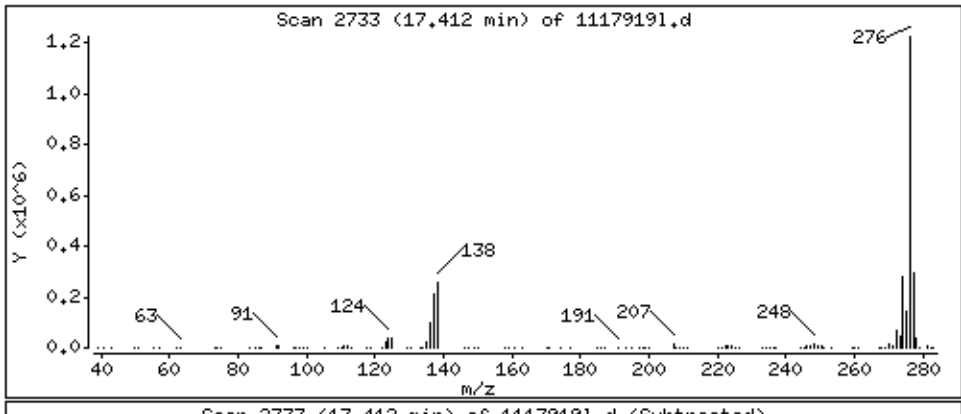
Operator: SN

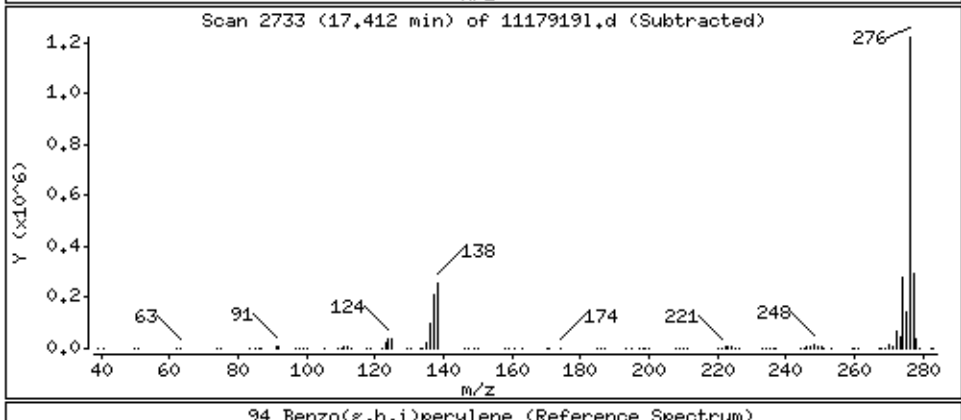
Column phase: .50um DB-5ms

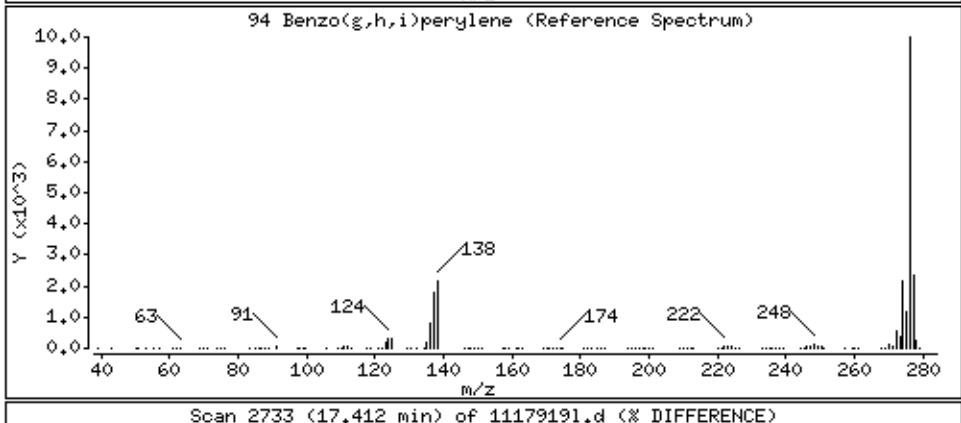
Column diameter: 0.25

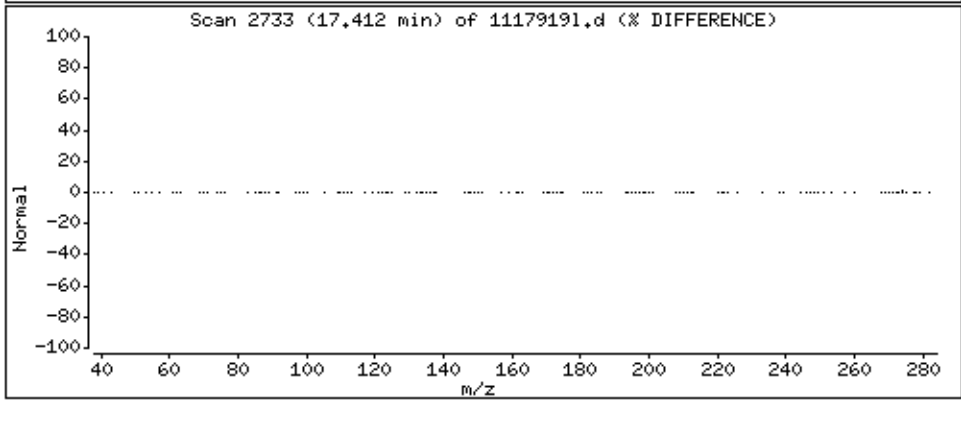
94 Benzo(g,h,i)perylene

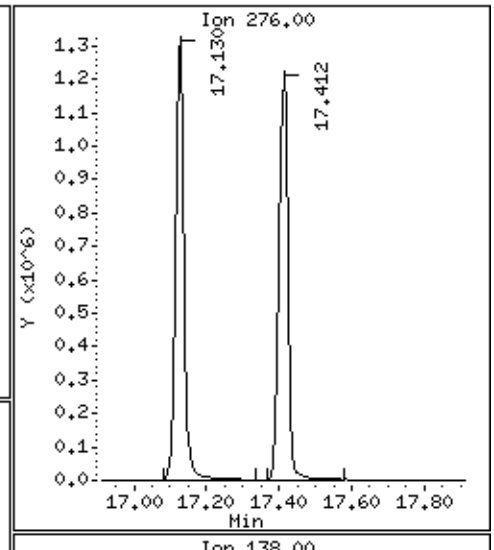
Concentration: 4320 ug/Kg

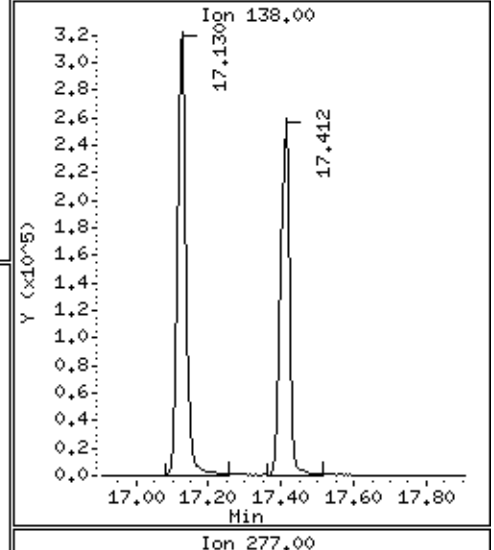


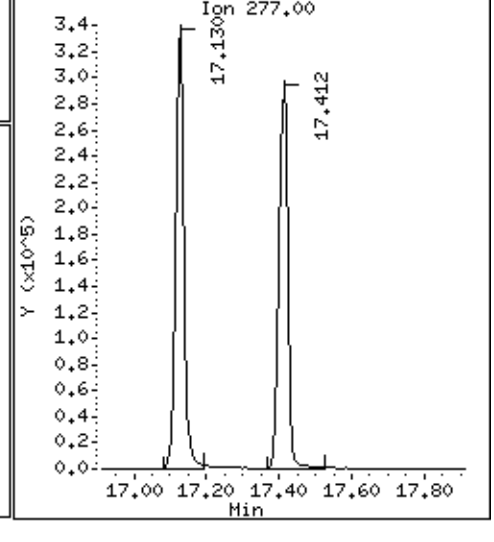












SAMPLE NO.

LCS

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana
Contract: Sibley-Accucast
Date Received:
Matrix: Solid
SDG No.: 5099765
Date Extracted: 07/01/2014 11:55
Lab Sample ID: 1120687
Date Analyzed: 07/01/2014 15:35
Lab File ID: 070114.B\1120687L.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	2540	
208-96-8	Acenaphthylene	2450	
120-12-7	Anthracene	2560	
56-55-3	Benzo(a)anthracene	2580	
50-32-8	Benzo(a)pyrene	2720	
205-99-2	Benzo(b)fluoranthene	2340	
191-24-2	Benzo(g,h,i)perylene	2620	
207-08-9	Benzo(k)fluoranthene	2860	
59-50-7	4-Chloro-3-methylphenol	2490	
95-57-8	2-Chlorophenol	2260	
218-01-9	Chrysene	2690	
53-70-3	Dibenz(a,h)anthracene	2690	
121-14-2	2,4-Dinitrotoluene	2530	
206-44-0	Fluoranthene	2730	
86-73-7	Fluorene	2930	
193-39-5	Indeno(1,2,3-cd)pyrene	2630	
91-57-6	2-Methylnaphthalene	2390	
91-20-3	Naphthalene	2250	
100-02-7	4-Nitrophenol	2450	
621-64-7	N-Nitroso-di-n-propylamine	2390	
87-86-5	Pentachlorophenol	2300	
85-01-8	Phenanthrene	2630	
108-95-2	Phenol	2380	
129-00-0	Pyrene	2770	

Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d
Lab Smp Id: 1120687 Client Smp ID: MBLCS
Inj Date : 01-JUL-2014 15:35
Operator : SN Inst ID: 50MSS2.i
Smp Info : 1120687
Misc Info : 15623
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\070114.b\8270c.m
Meth Date : 02-Jul-2014 07:29 50MSS2.i Quant Type: ISTD
Cal Date : 30-JUN-2014 15:04 Cal File: 100ppm.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: most.sub
Target Version: 4.14
Processing Host: 50-SVOA-CEM

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndV

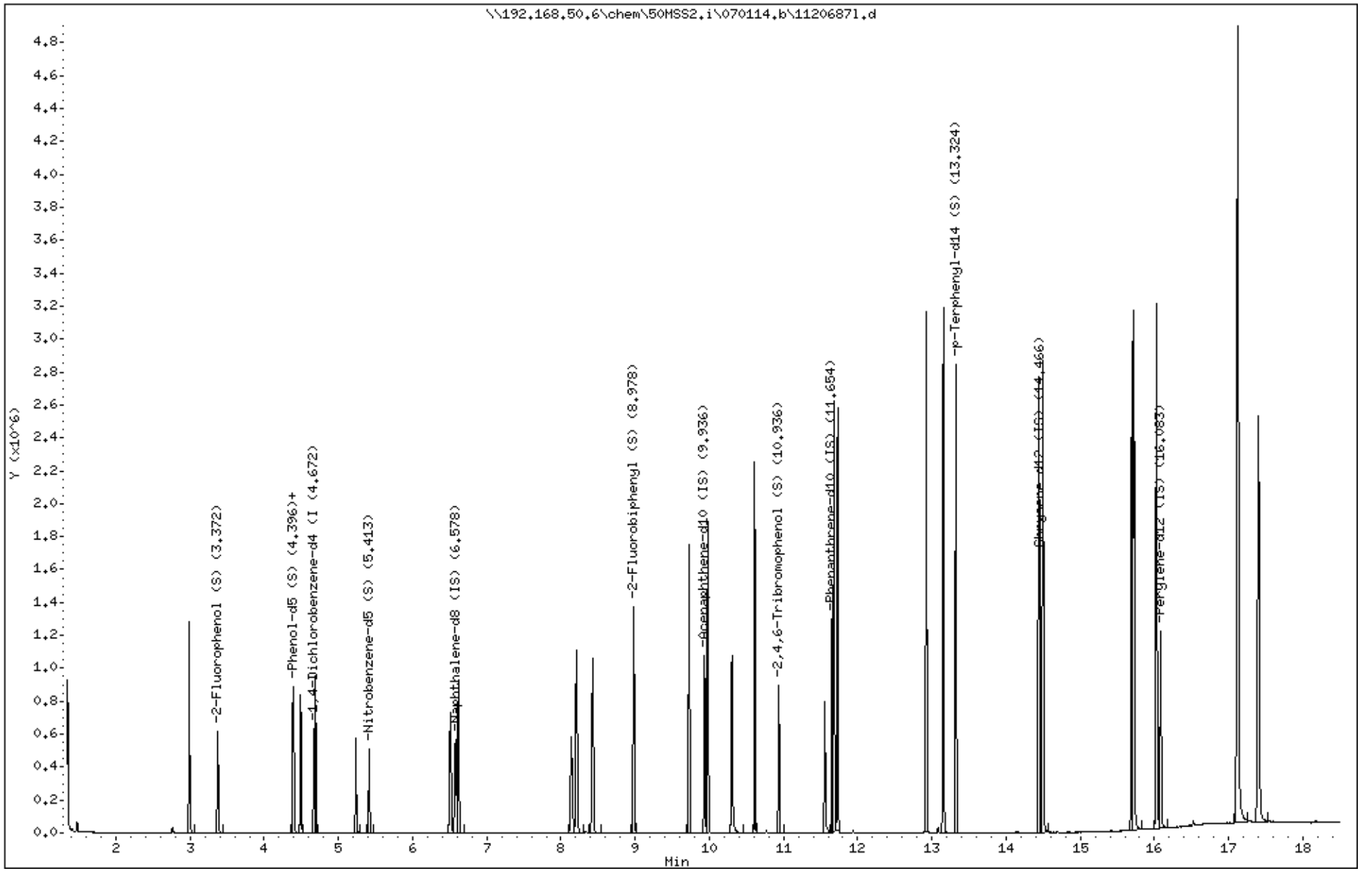
Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	ng unit correction factor
Vt	1000.000	Volume of final extract (uL)
Vi	1.000	Volume Injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/Kg)
$	3 2-Fluorophenol (S)	112	3.377	3.372	(0.723)	222786	69.7933	2326
$	6 Phenol-d5 (S)	99	4.383	4.383	(0.938)	286671	72.7024	2423
	7 Phenol	94	4.395	4.401	(0.941)	304628	71.2607	2375
	9 2-Chlorophenol	128	4.489	4.489	(0.961)	263583	67.6510	2255
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.672	4.671	(1.000)	117198	40.0000	
	12 1,4-Dichlorobenzene	146	4.689	4.689	(1.004)	280796	65.0704	2169
	21 N-Nitroso-di-n-propylamine	70	5.236	5.242	(1.121)	156545	71.5545	2385
$	23 Nitrobenzene-d5 (S)	82	5.413	5.413	(0.823)	217447	68.2639	2275
	31 1,2,4-Trichlorobenzene	180	6.513	6.513	(0.990)	259975	70.3944	2346
*	32 Naphthalene-d8 (IS)	136	6.577	6.577	(1.000)	452767	40.0000	
	33 Naphthalene	128	6.613	6.618	(1.005)	766357	67.5082	2250
	38 4-Chloro-3-methylphenol	107	8.136	8.148	(1.237)	224373	74.6139	2487
	39 2-Methylnaphthalene	142	8.212	8.212	(1.249)	569019	71.8129	2394
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	497451	65.0008	2167
$	46 2-Fluorobiphenyl (S)	172	8.977	8.983	(0.903)	628345	71.5054	2384
	51 Acenaphthylene	152	9.724	9.724	(0.979)	925111	73.4367	2448
*	53 Acenaphthene-d10 (IS)	164	9.936	9.936	(1.000)	273649	40.0000	
	55 Acenaphthene	153	9.977	9.983	(1.004)	578986	76.2584	2542
	58 4-Nitrophenol	109	10.301	10.301	(1.037)	66585	73.3843	2446

			QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
	59	2,4-Dinitrotoluene	165	10.306	10.306	(1.037)	195079	76.0345	2534
	61	Fluorene	166	10.612	10.612	(1.068)	701675	87.7814	2926
$	67	2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	146472	74.2923	2476
	71	Pentachlorophenol	266	11.553	11.559	(0.991)	129758	68.8736	2296
*	72	Phenanthrene-d10 (IS)	188	11.653	11.659	(1.000)	547611	40.0000	
	73	Phenanthrene	178	11.683	11.683	(1.003)	1095532	79.0235	2634
	74	Anthracene	178	11.730	11.730	(1.007)	1114376	76.9447	2565
	77	Fluoranthene	202	12.924	12.930	(1.109)	1306947	82.0370	2734
	79	Pyrene	202	13.153	13.153	(1.129)	1378846	83.0785	2769
$	80	p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1022083	94.3492	3145
	82	Benzo(a)anthracene	228	14.441	14.447	(0.998)	1398965	77.3589	2579
*	84	Chrysene-d12 (IS)	240	14.465	14.465	(1.000)	723276	40.0000	
	85	Chrysene	228	14.494	14.500	(1.002)	1379623	80.5862	2686
	88	Benzo(b)fluoranthene	252	15.694	15.700	(0.976)	1478306	70.2083	2340
	89	Benzo(k)fluoranthene	252	15.724	15.724	(0.978)	1833450	85.9418	2865
	90	Benzo(a)pyrene	252	16.030	16.030	(0.997)	1526160	81.5673	2719
*	91	Perylene-d12 (IS)	264	16.083	16.083	(1.000)	510719	40.0000	
	92	Indeno(1,2,3-cd)pyrene	276	17.118	17.124	(1.064)	1925332	78.9696	2632
	93	Dibenz(a,h)anthracene	278	17.124	17.124	(1.065)	1576391	80.8239	2694
	94	Benzo(g,h,i)perylene	276	17.406	17.406	(1.082)	1637066	78.5729	2619

Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d
Date : 01-JUL-2014 15:35
Client ID: MBLCS
Sample Info: 1120687
Volume Injected (uL): 1.0
Column phase: .50um DB-5ms

Instrument: 50MSS2.i
Operator: SN
Column diameter: 0.25



Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

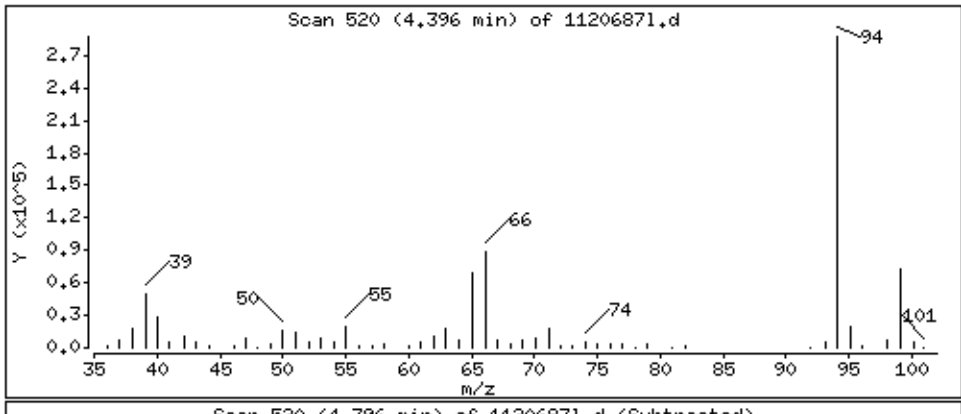
Operator: SN

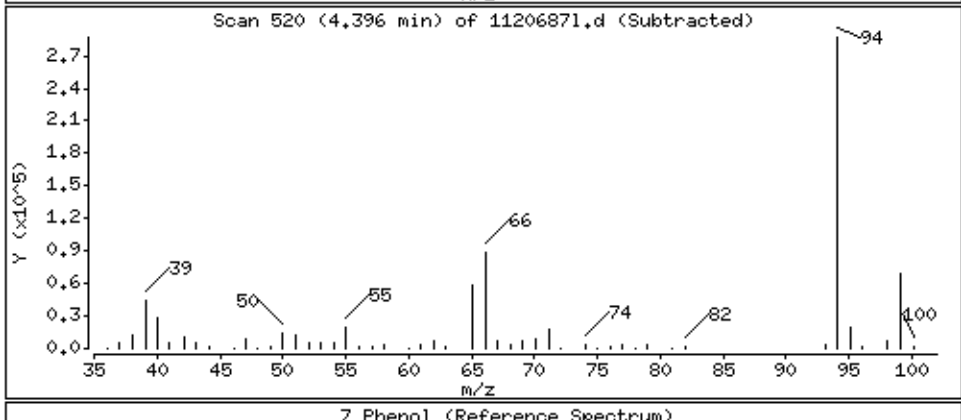
Column phase: .50um DB-5ms

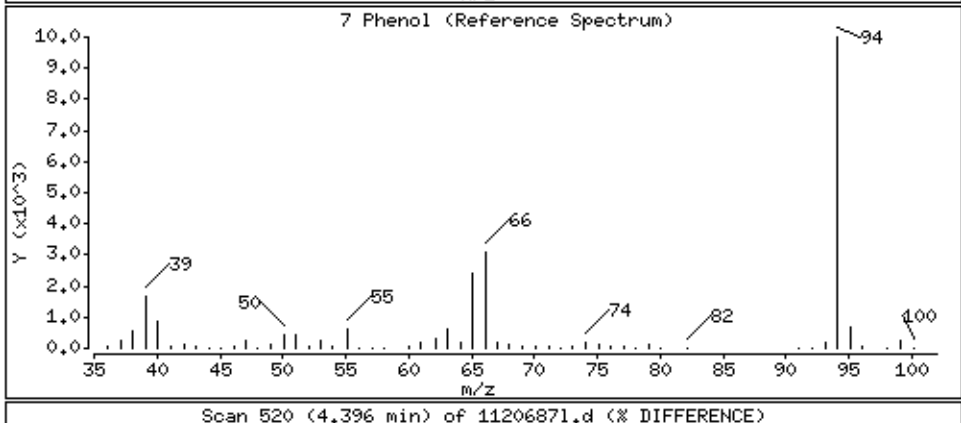
Column diameter: 0.25

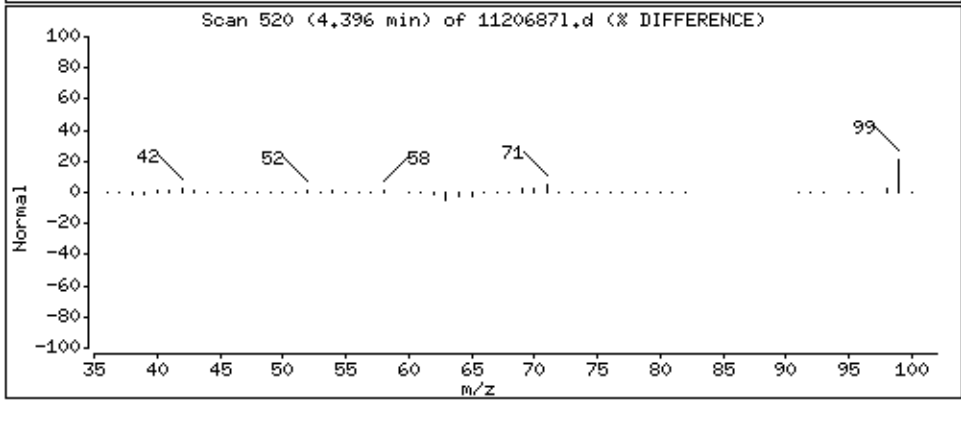
7 Phenol

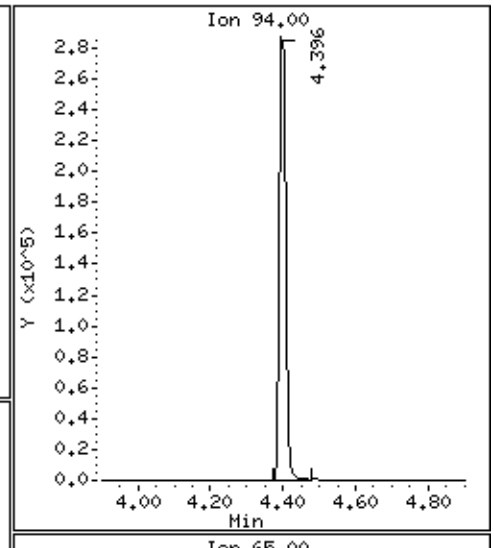
Concentration: 2375 ug/Kg

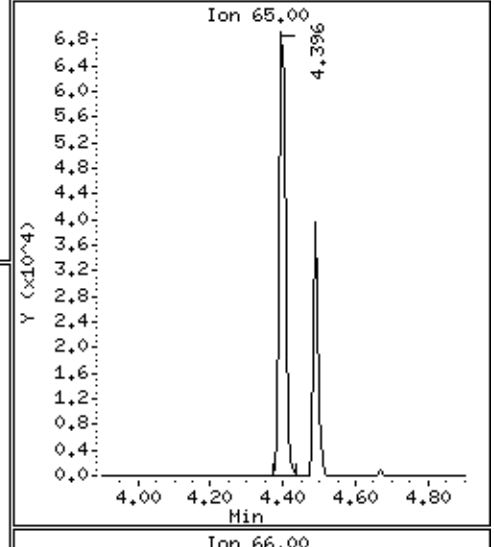


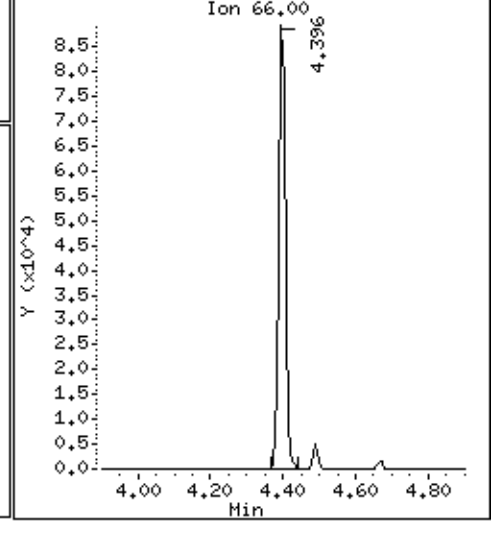












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Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

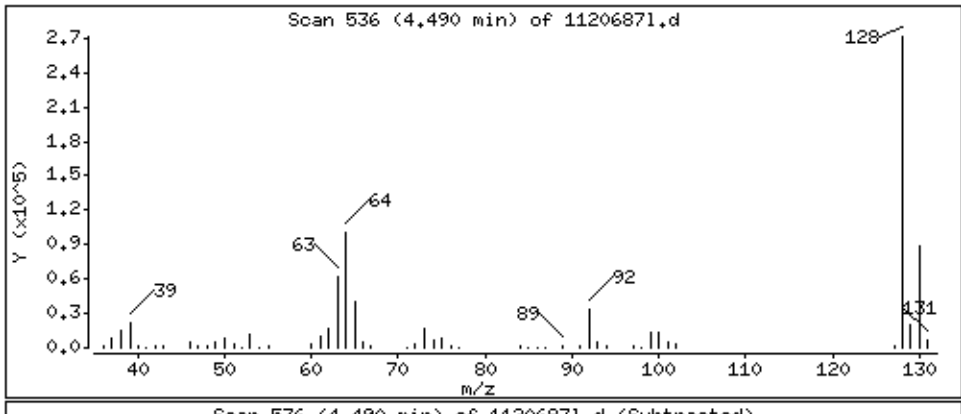
Operator: SN

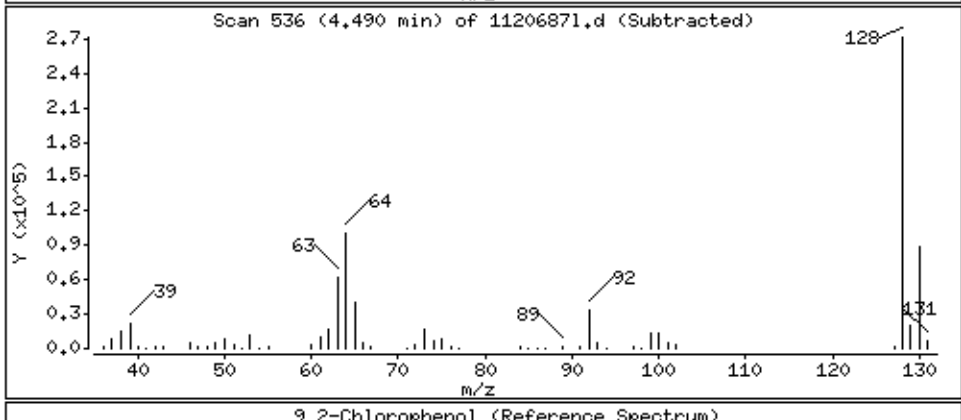
Column phase: .50um DB-5ms

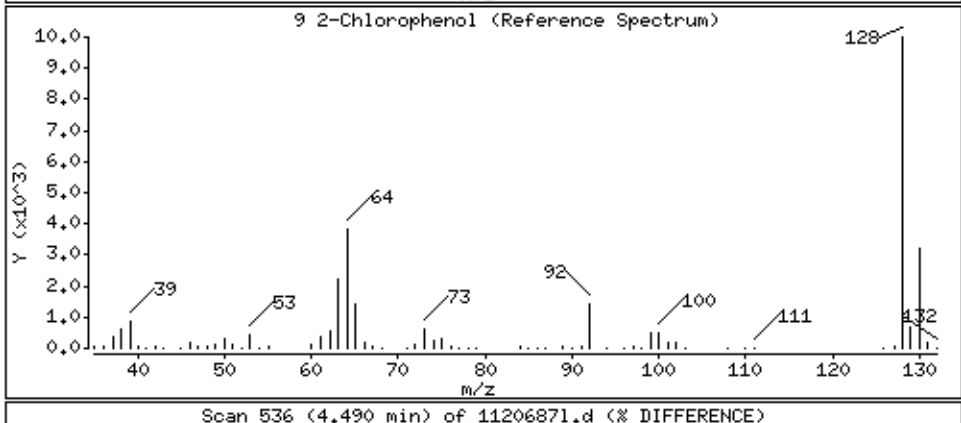
Column diameter: 0.25

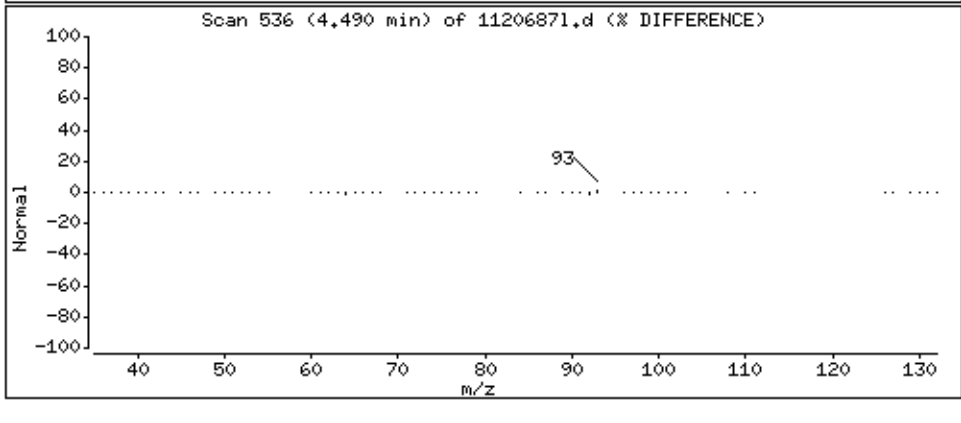
9 2-Chlorophenol

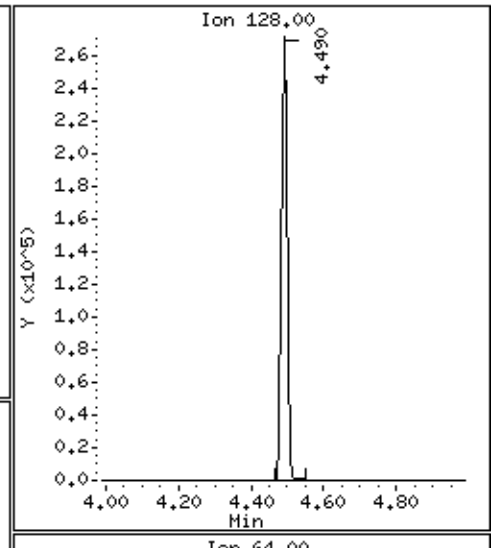
Concentration: 2255 ug/Kg

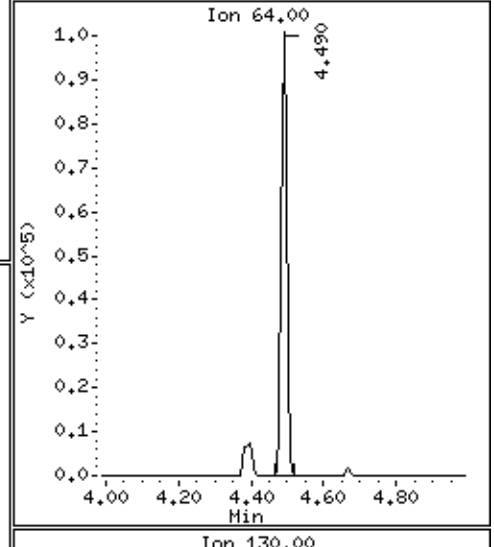


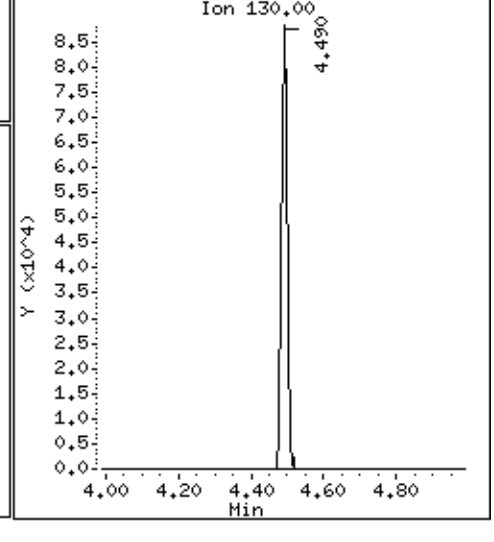












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Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

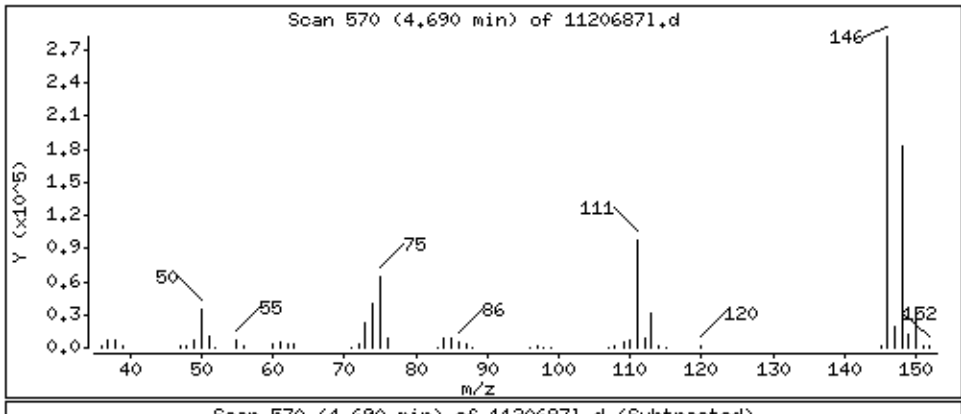
Operator: SN

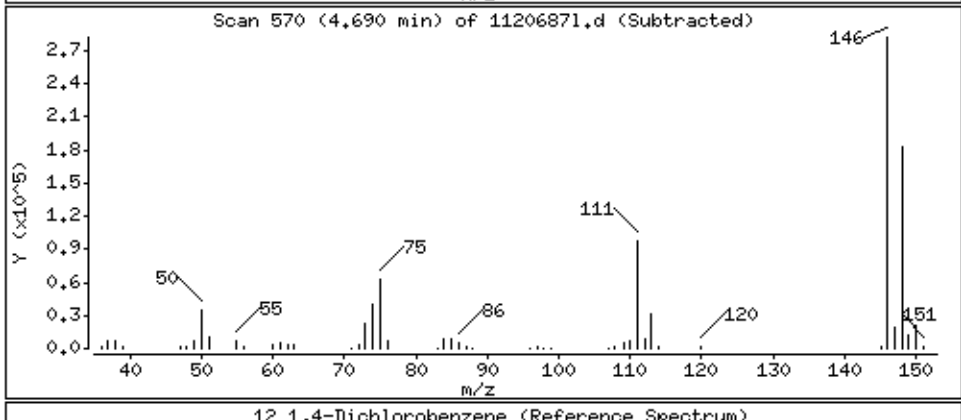
Column phase: .50um DB-5ms

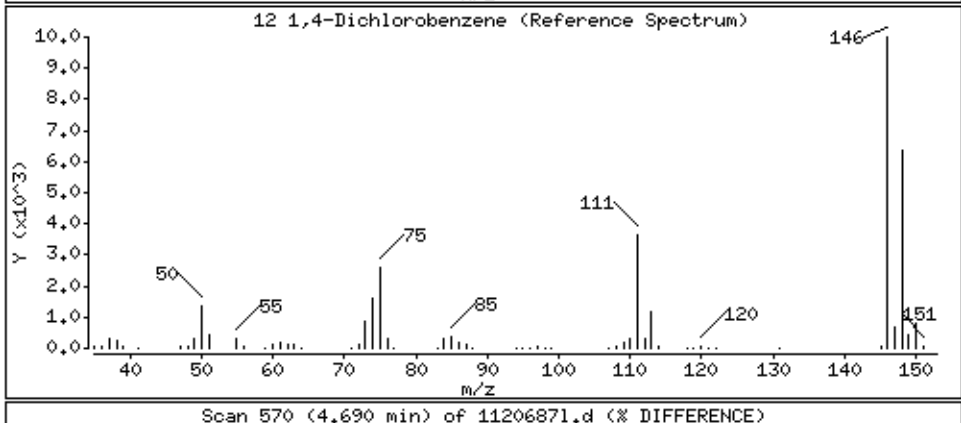
Column diameter: 0.25

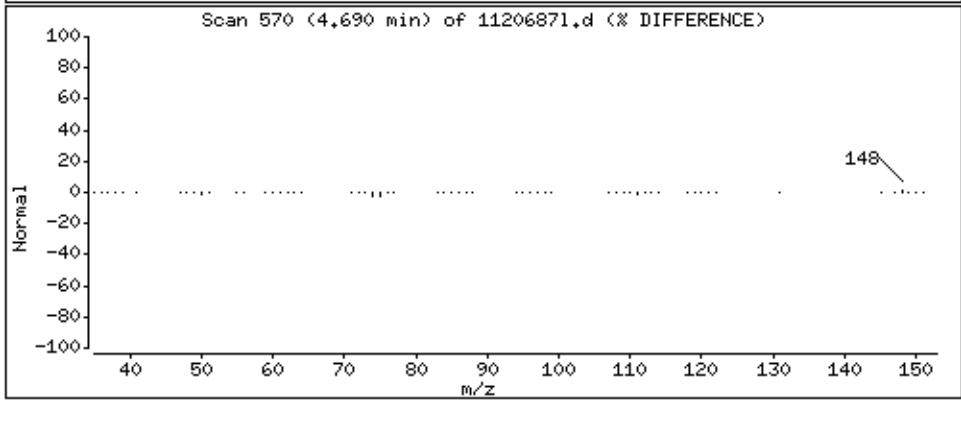
12 1,4-Dichlorobenzene

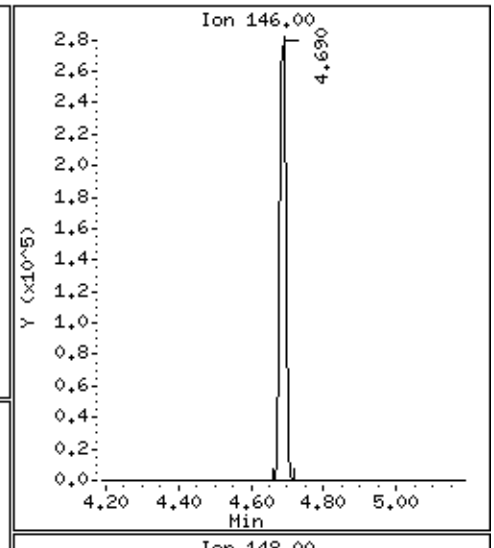
Concentration: 2169 ug/Kg

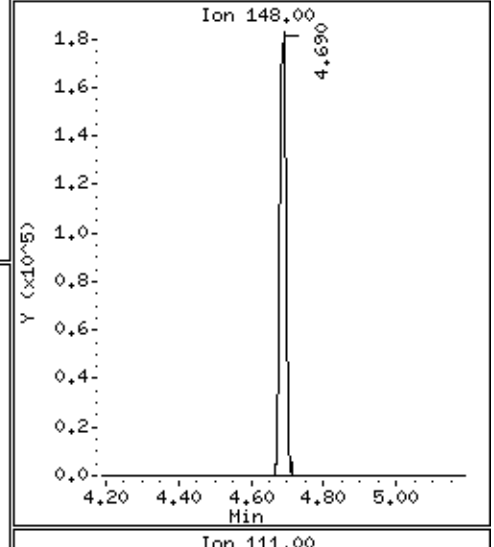


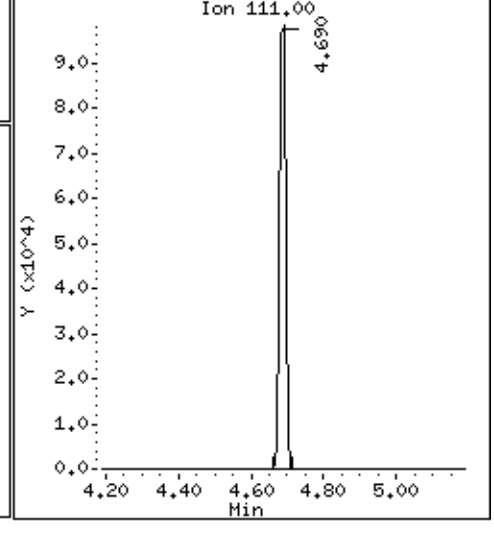












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Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

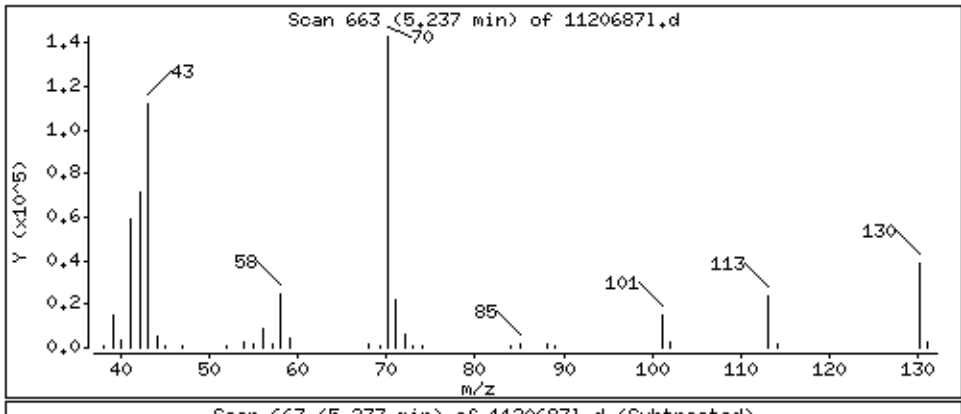
Operator: SN

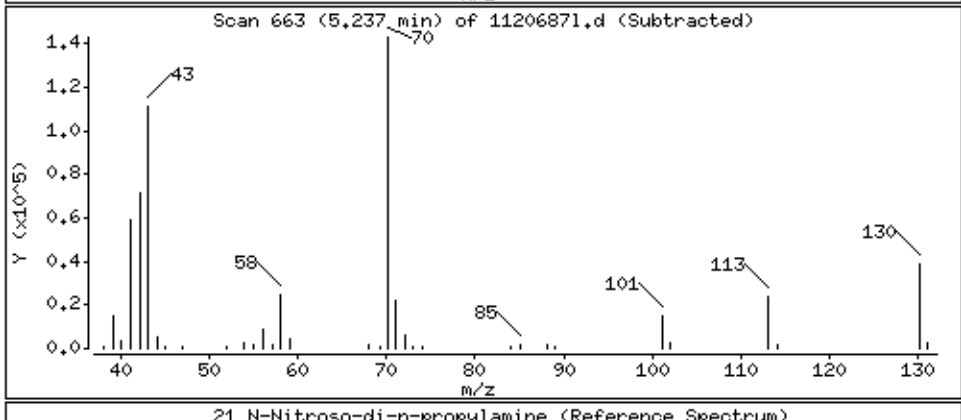
Column phase: .50um DB-5ms

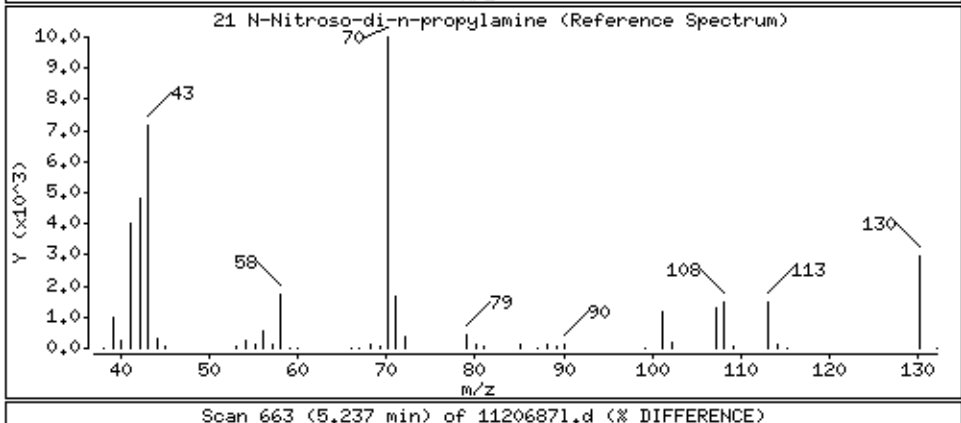
Column diameter: 0.25

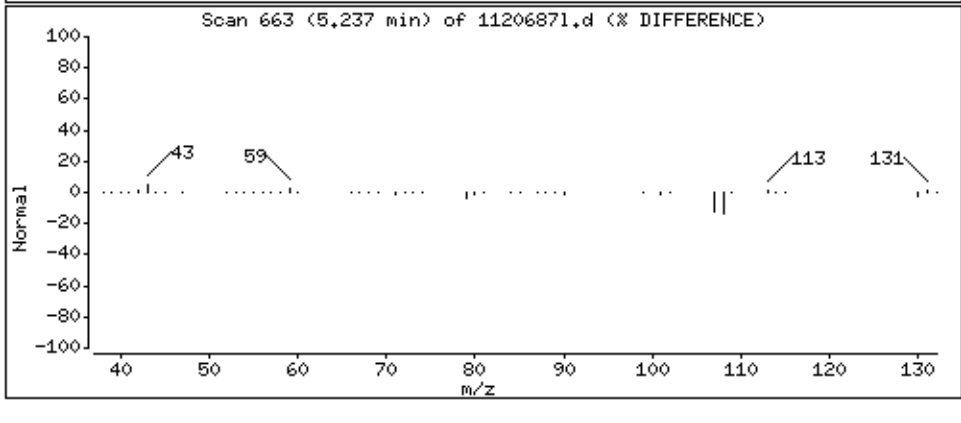
21 N-Nitroso-di-n-propylamine

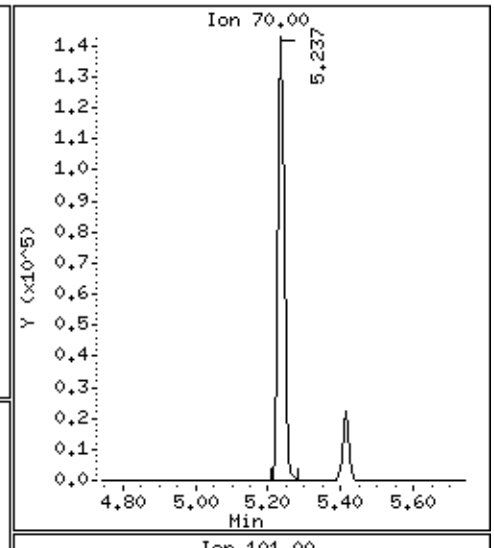
Concentration: 2385 ug/Kg

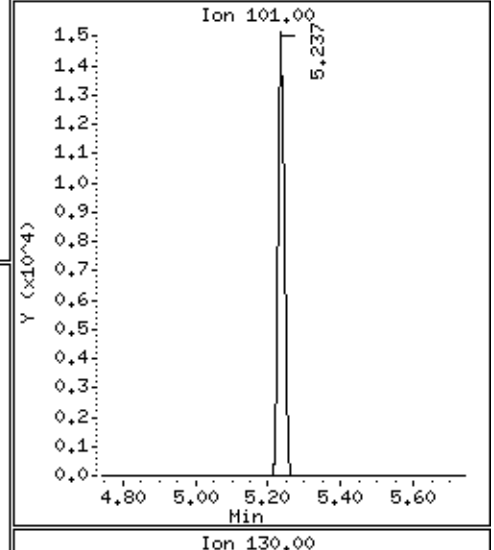


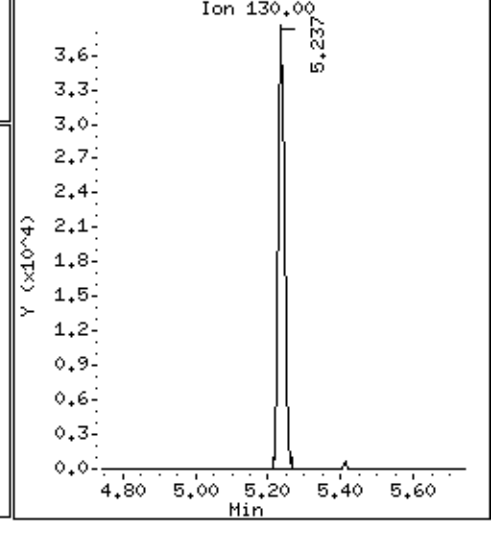












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

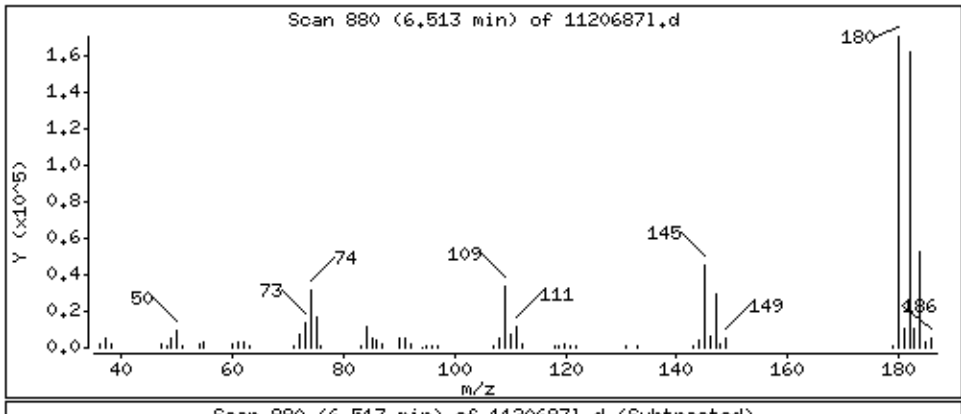
Operator: SN

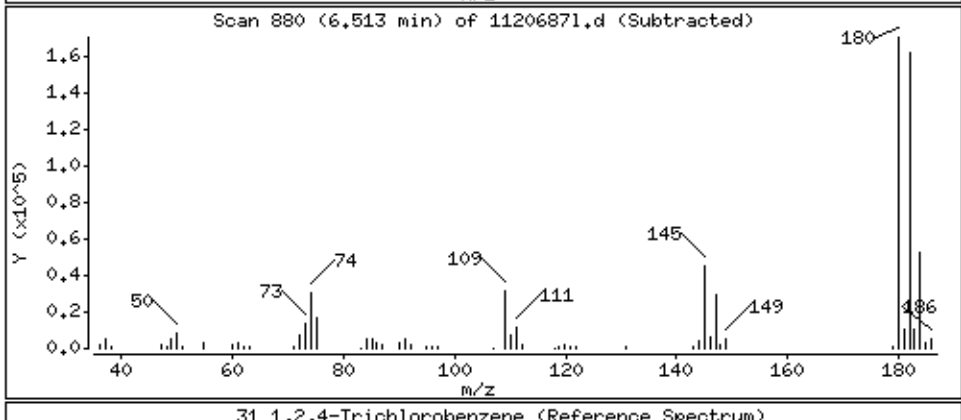
Column phase: .50um DB-5ms

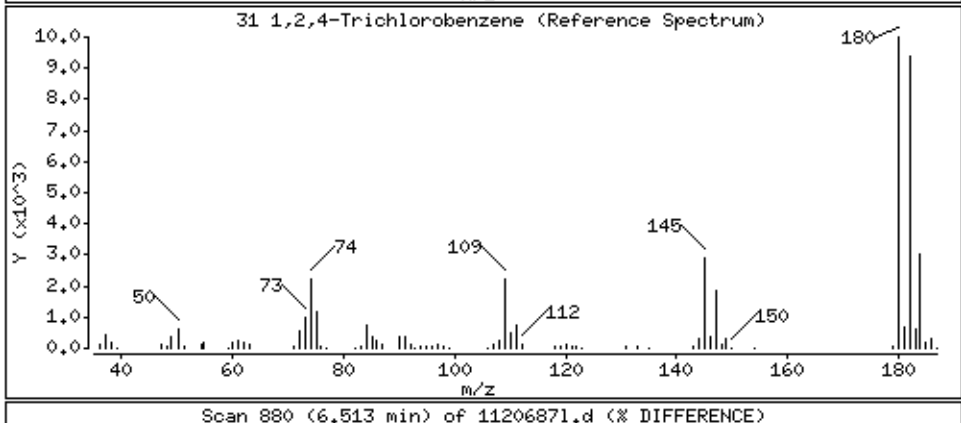
Column diameter: 0.25

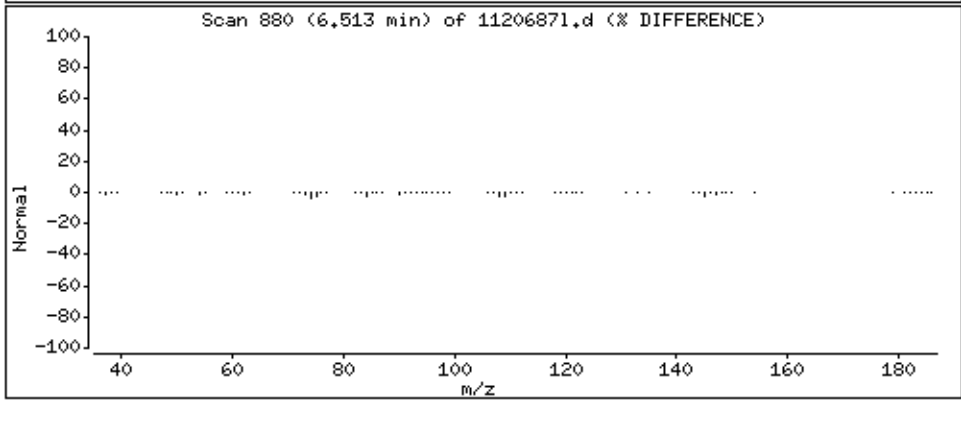
31 1,2,4-Trichlorobenzene

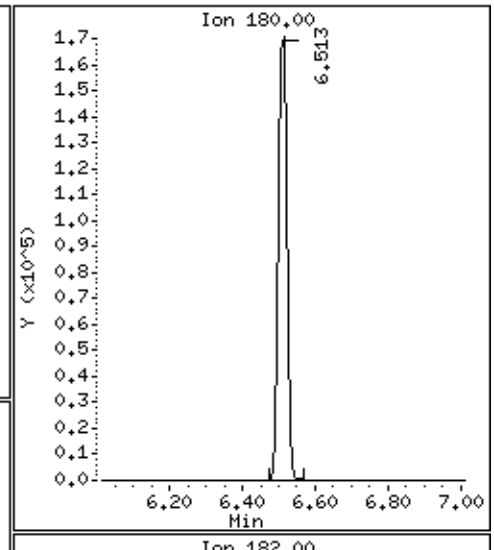
Concentration: 2346 ug/Kg

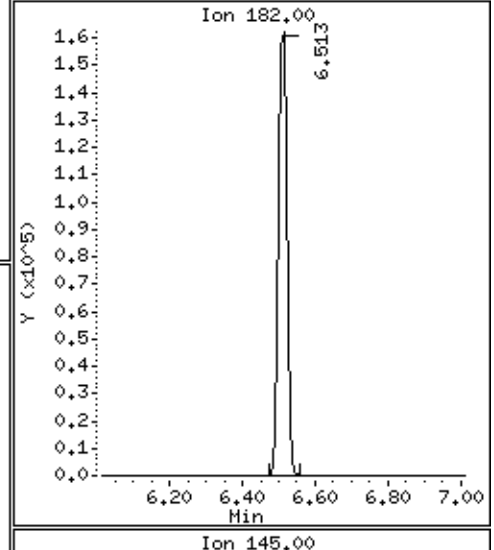


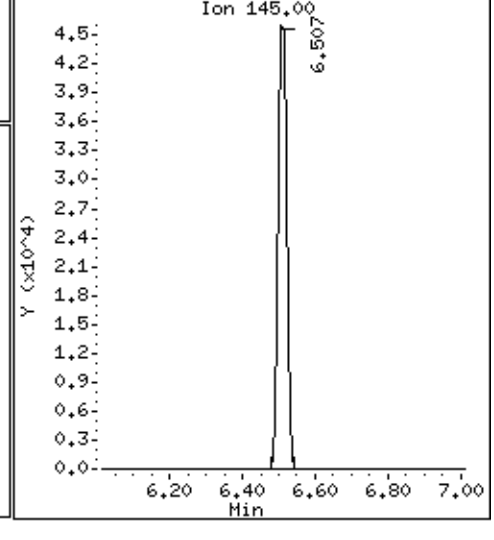












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

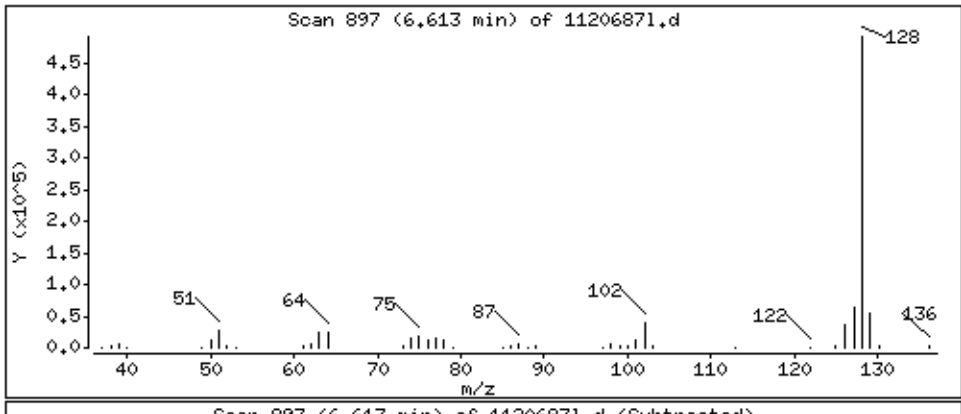
Operator: SN

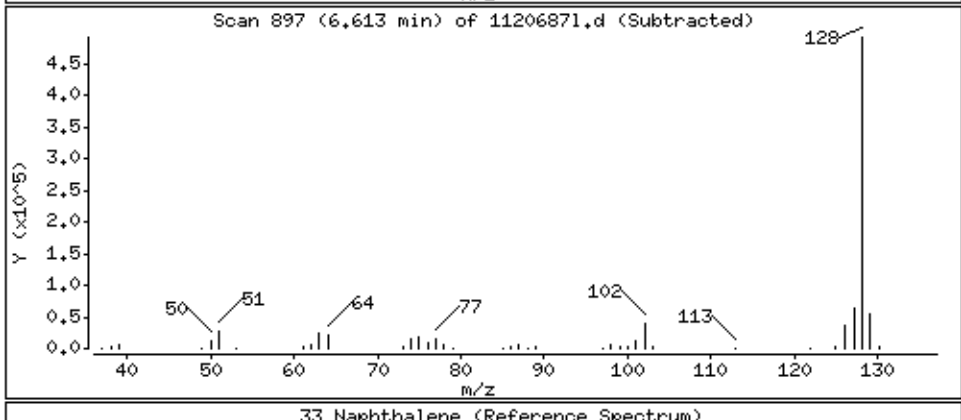
Column phase: .50um DB-5ms

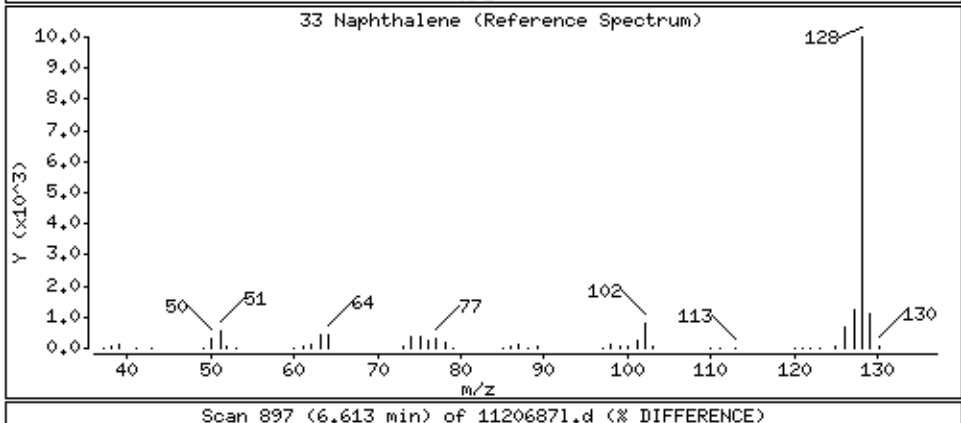
Column diameter: 0.25

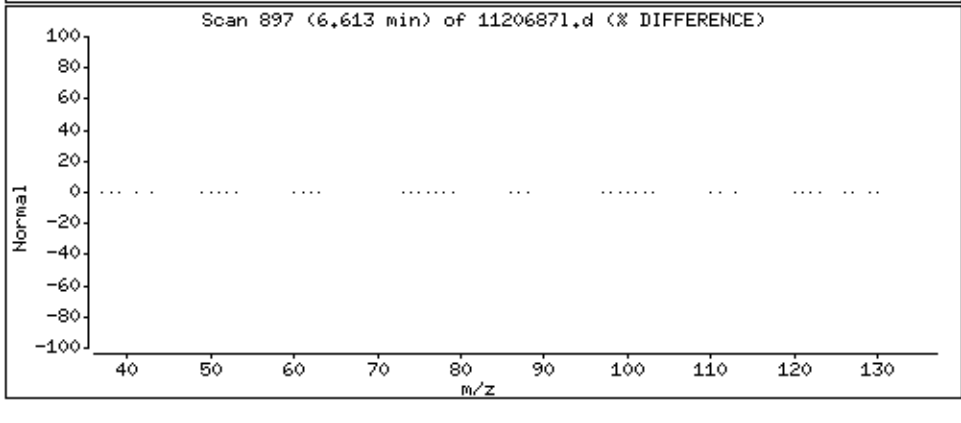
33 Naphthalene

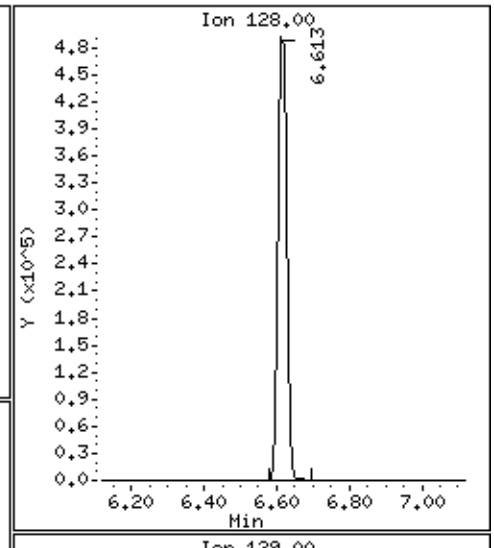
Concentration: 2250 ug/Kg

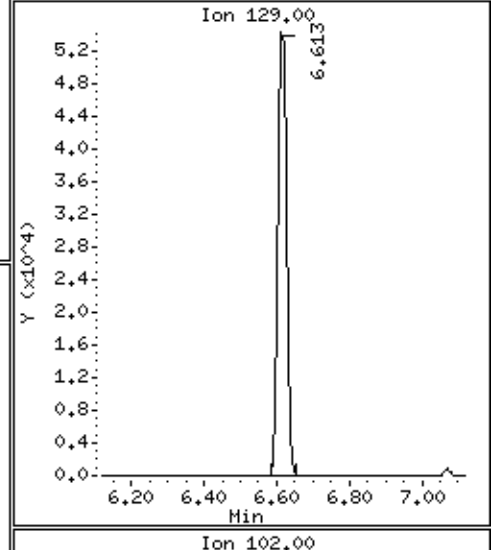


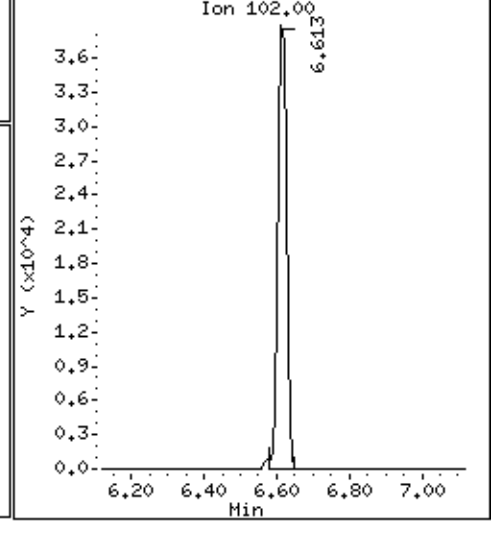












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

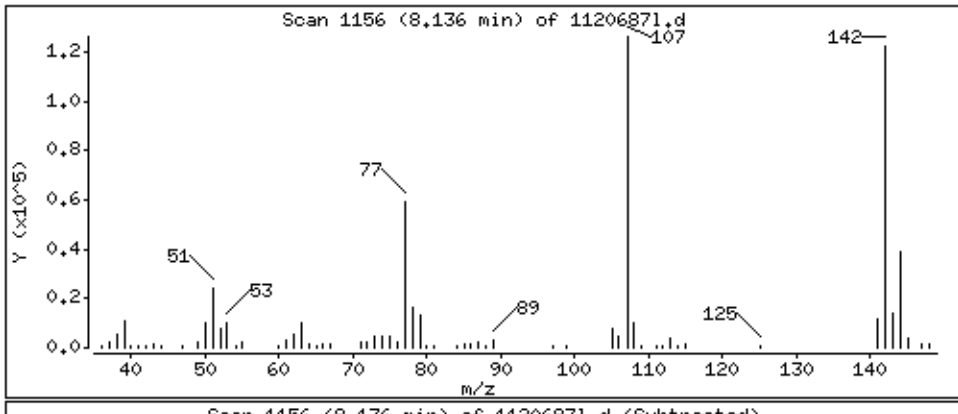
Operator: SN

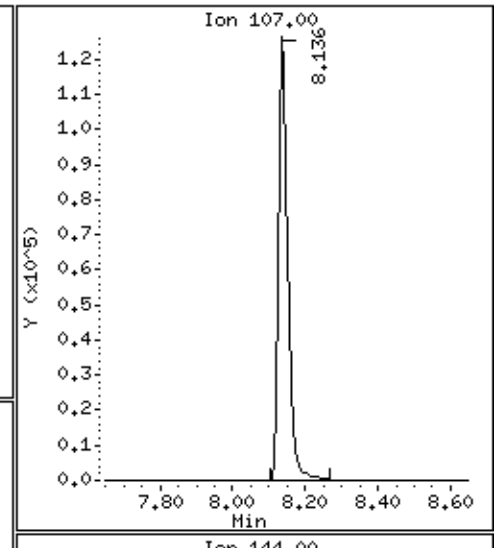
Column phase: .50um DB-5ms

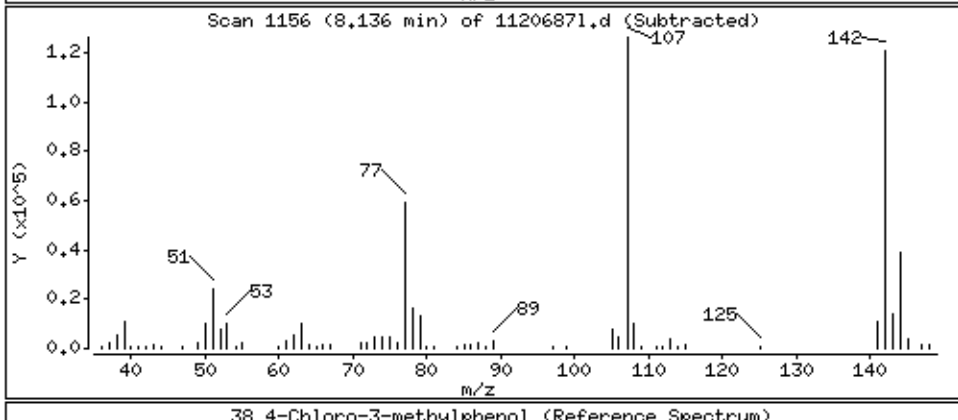
Column diameter: 0.25

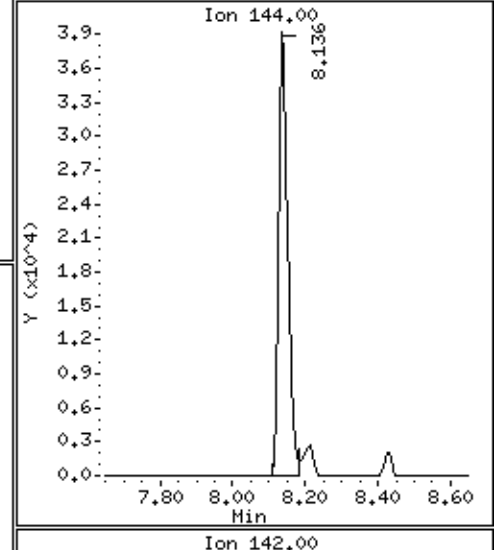
38 4-Chloro-3-methylphenol

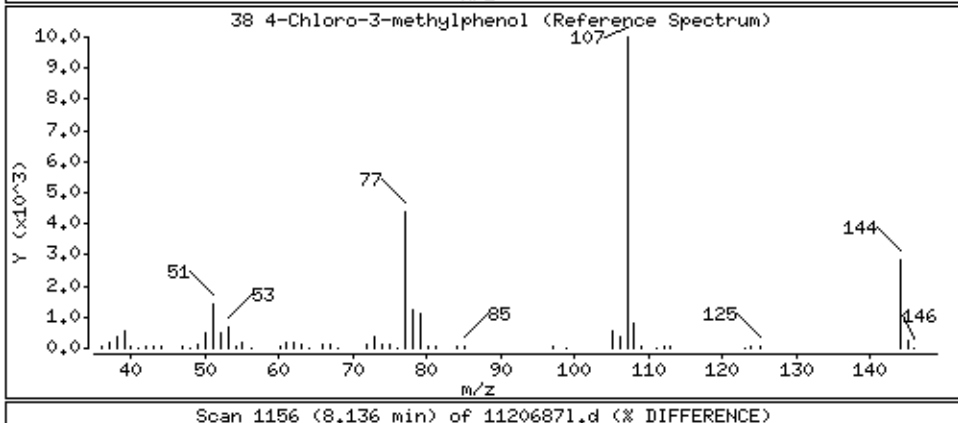
Concentration: 2487 ug/Kg

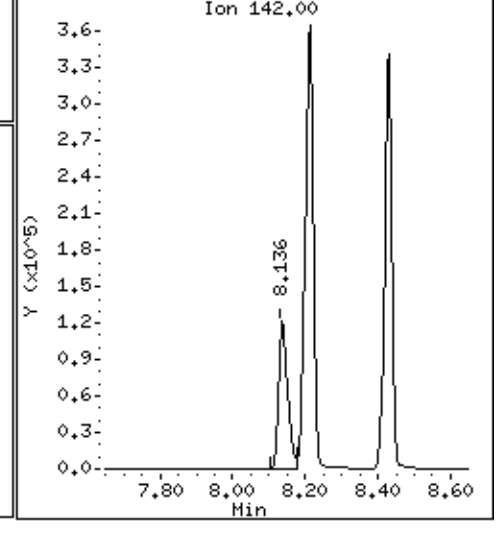


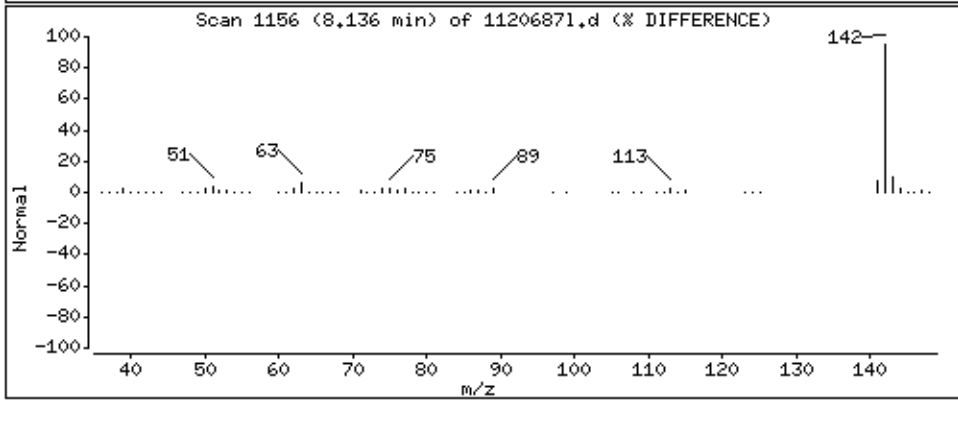












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

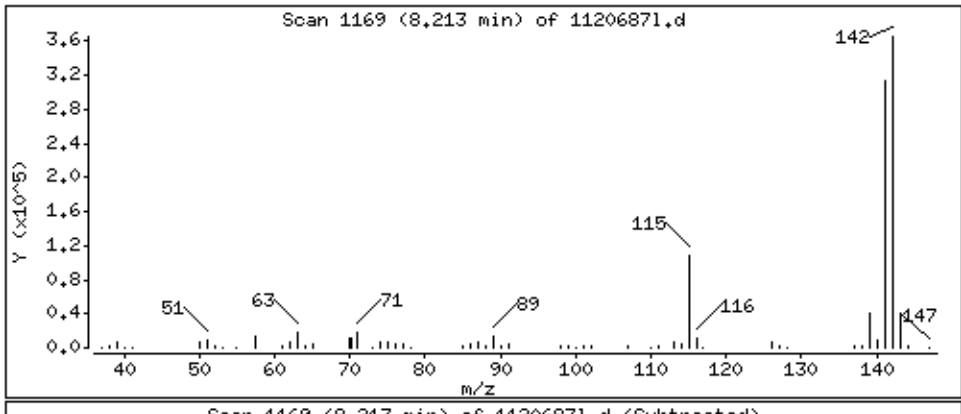
Operator: SN

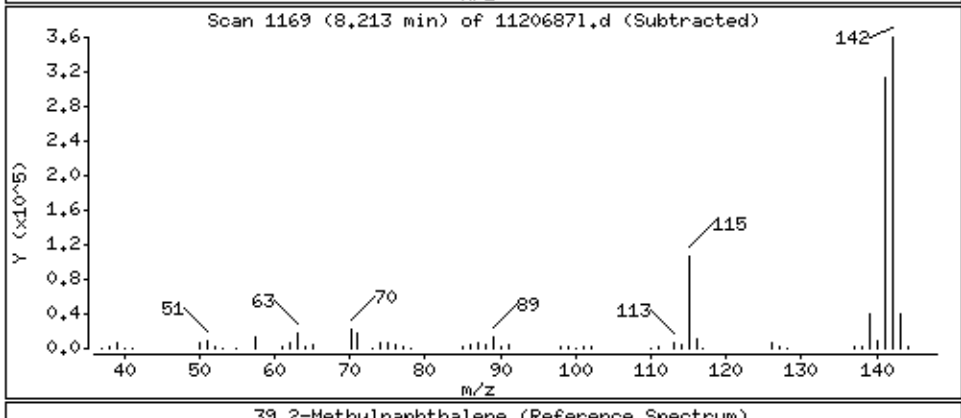
Column phase: .50um DB-5ms

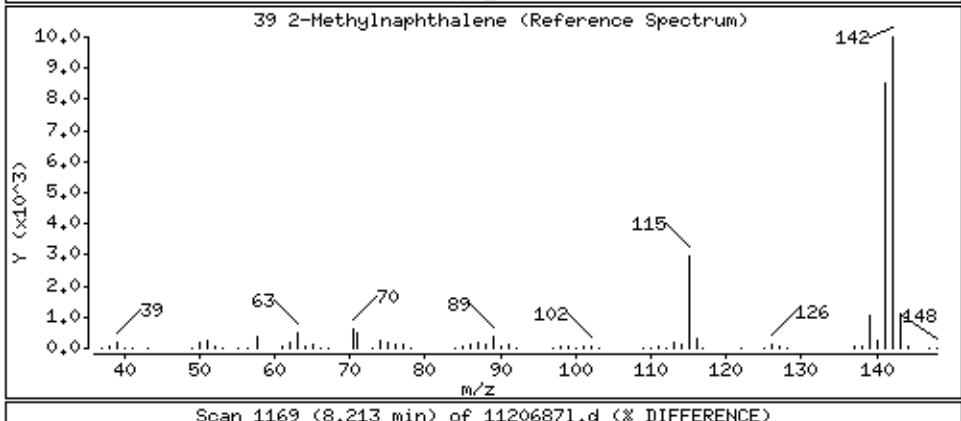
Column diameter: 0.25

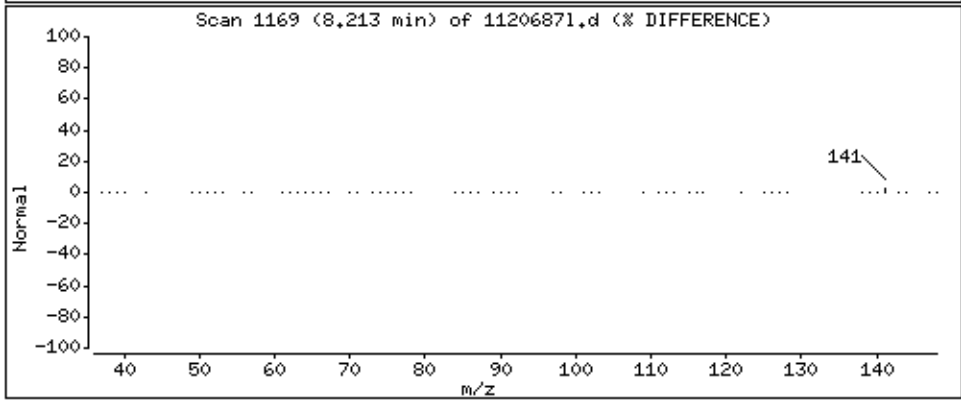
39 2-Methylnaphthalene

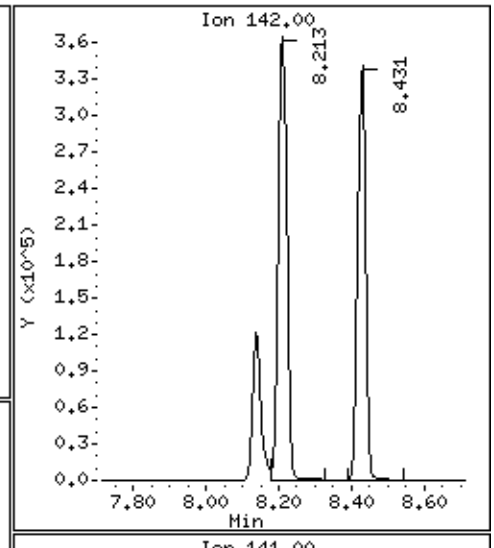
Concentration: 2394 ug/Kg

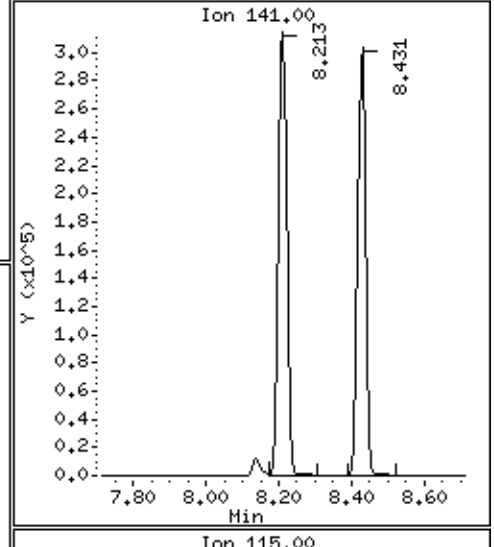


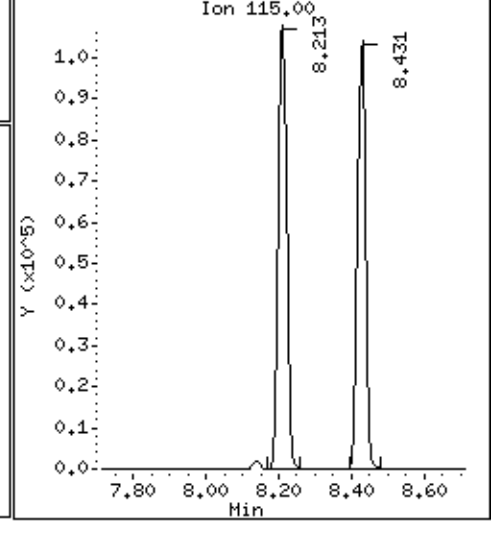












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

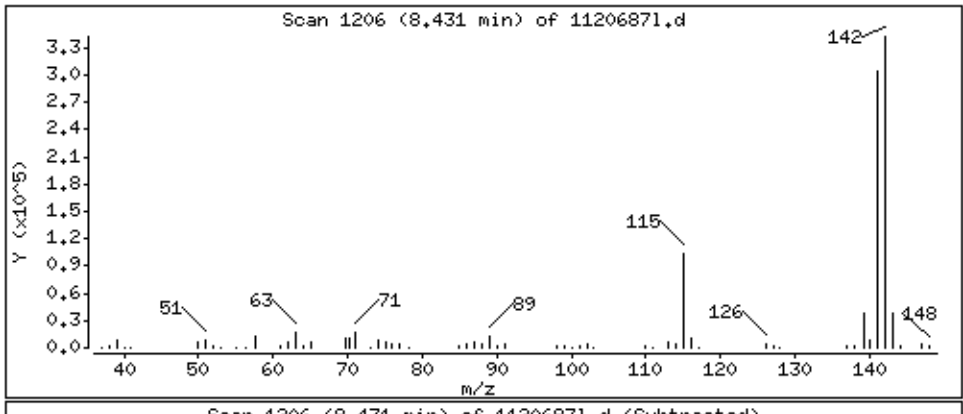
Operator: SN

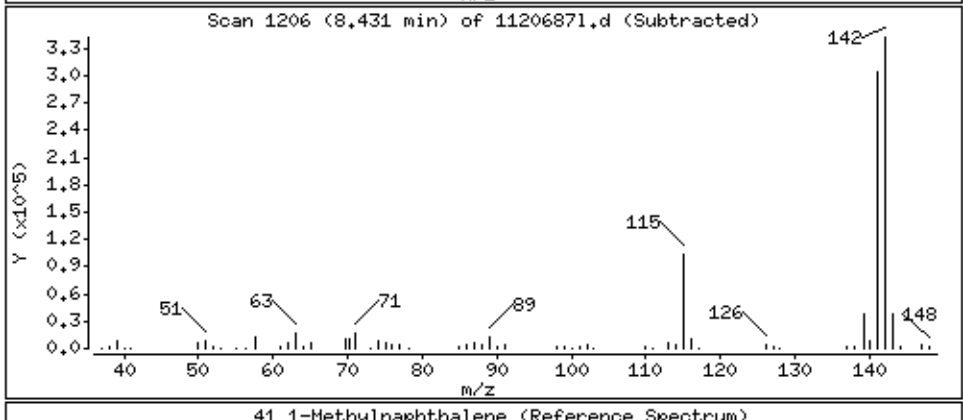
Column phase: .50um DB-5ms

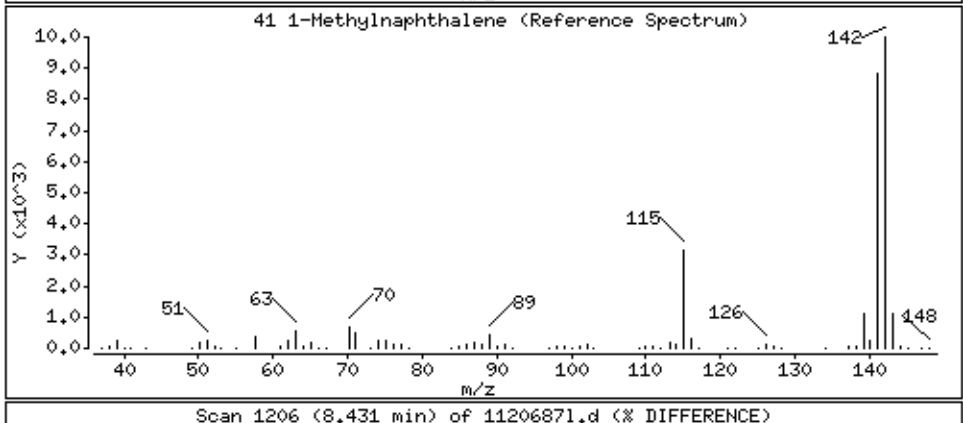
Column diameter: 0.25

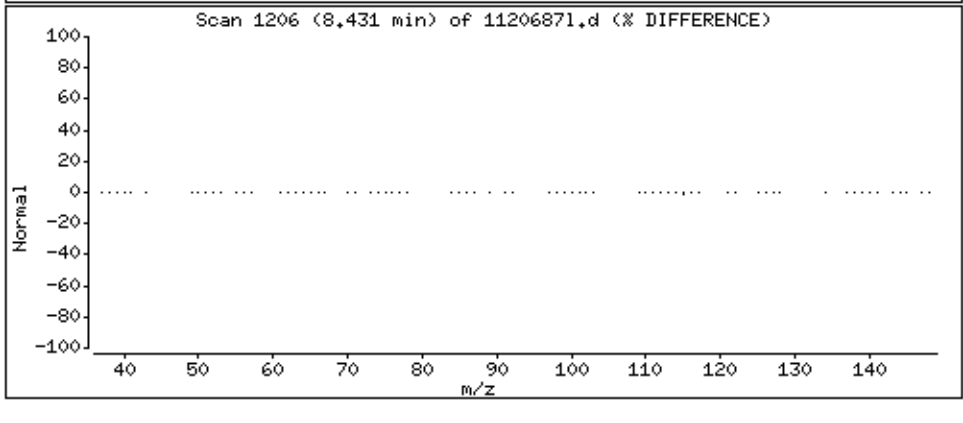
41 1-Methylnaphthalene

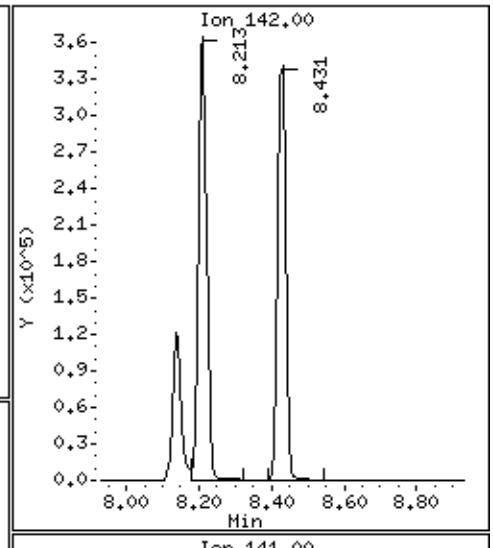
Concentration: 2167 ug/Kg

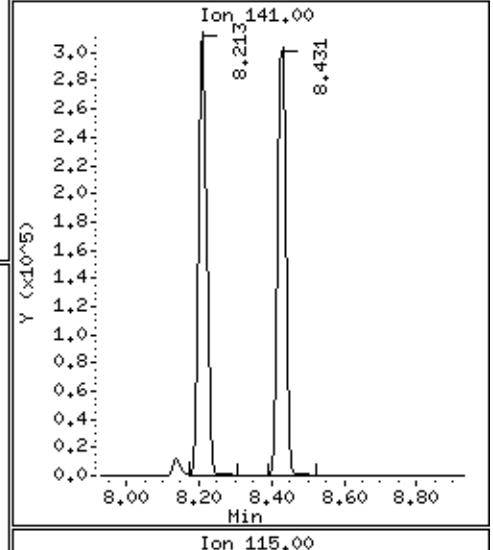


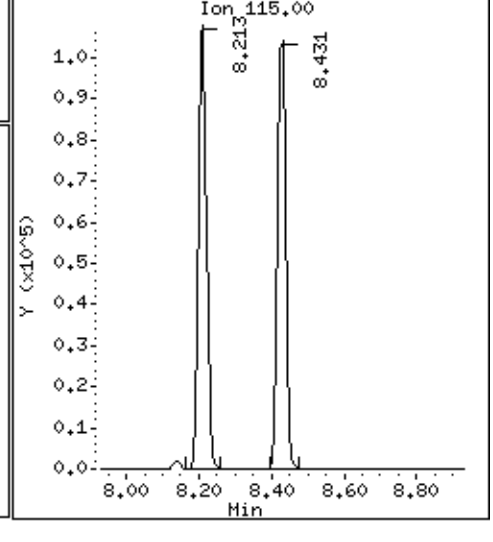












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

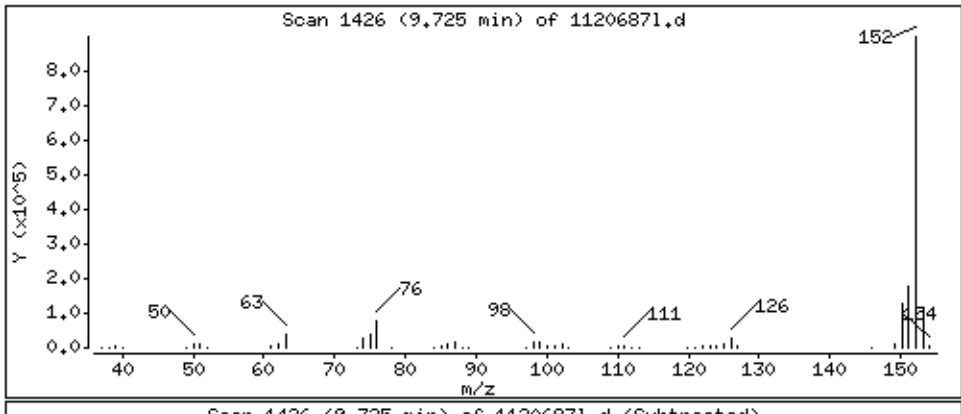
Operator: SN

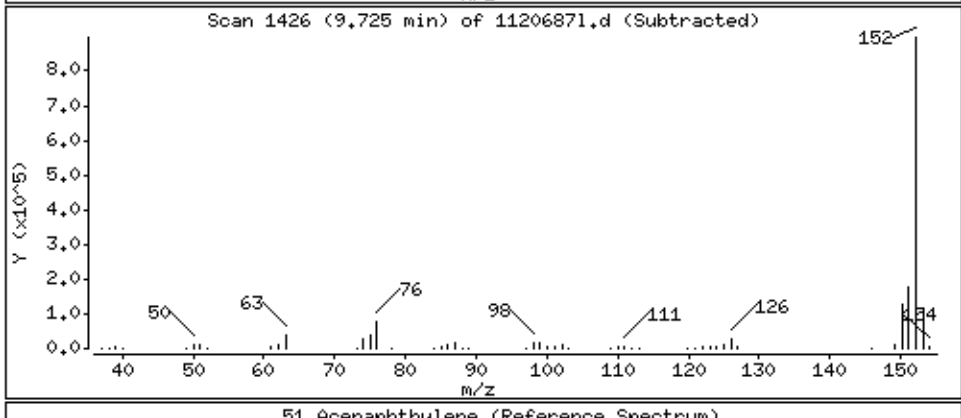
Column phase: .50um DB-5ms

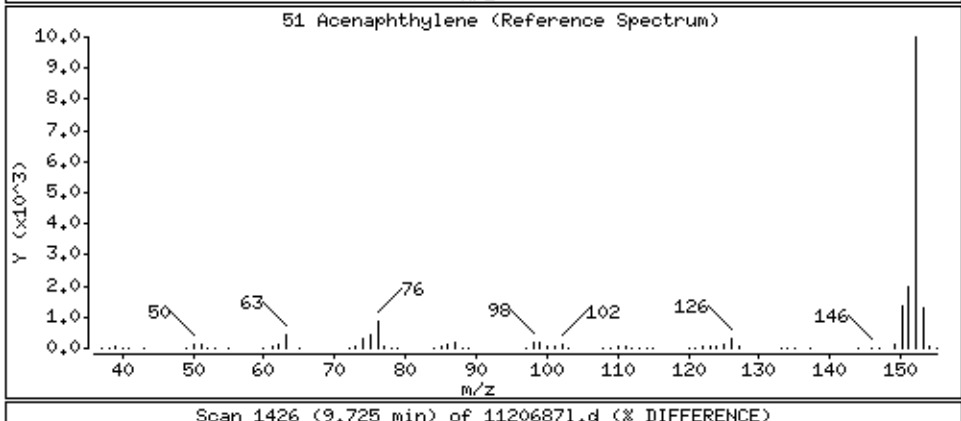
Column diameter: 0.25

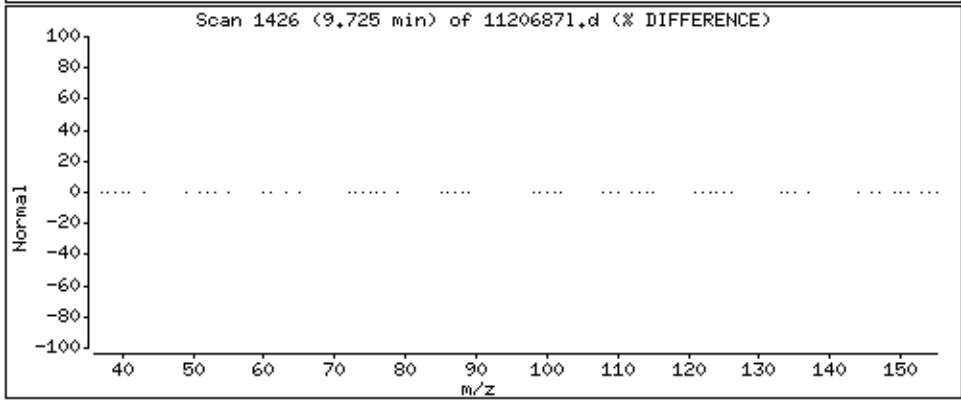
51 Acenaphthylene

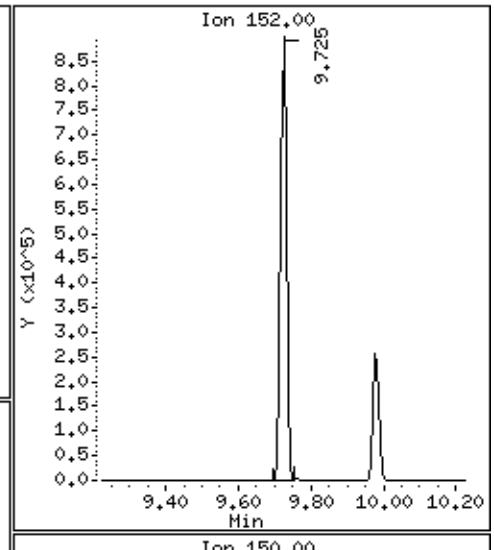
Concentration: 2448 ug/Kg

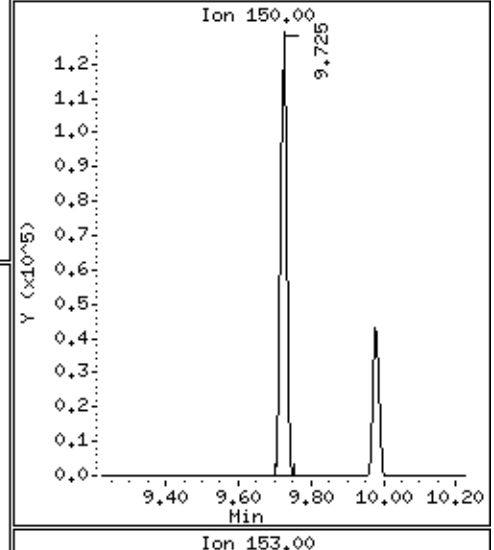


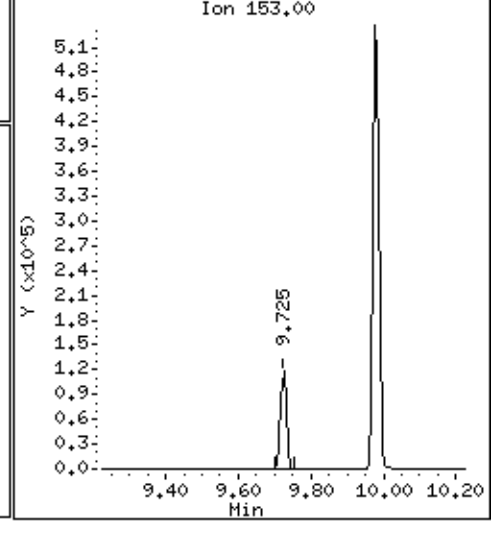












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

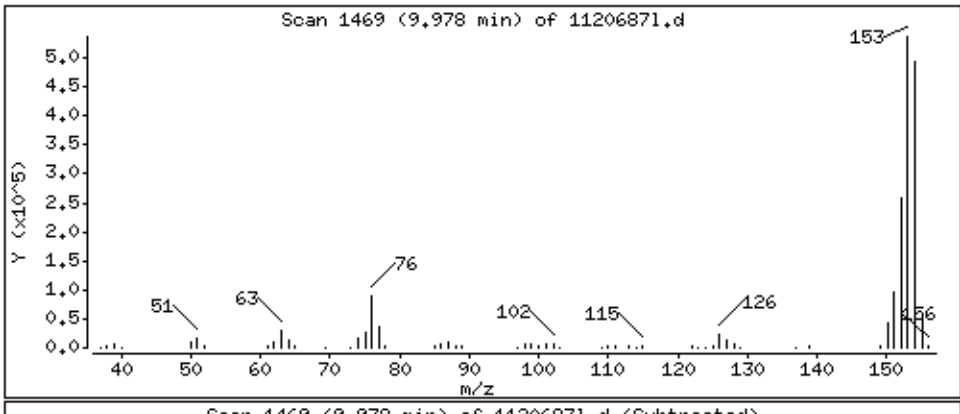
Operator: SN

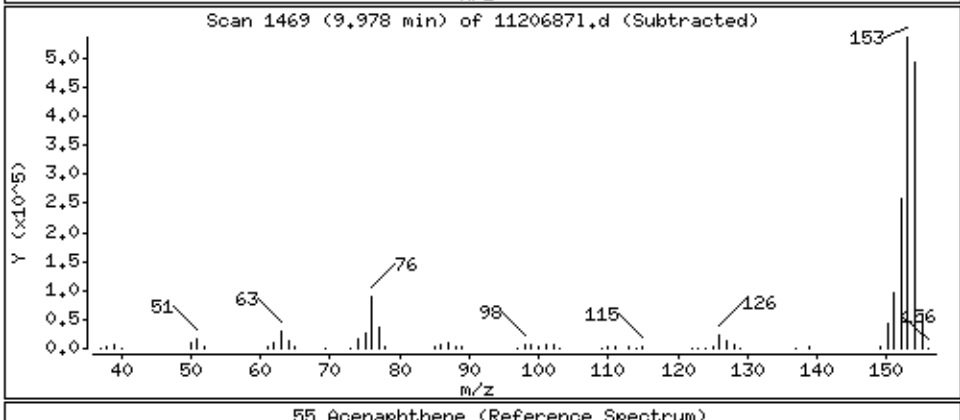
Column phase: .50um DB-5ms

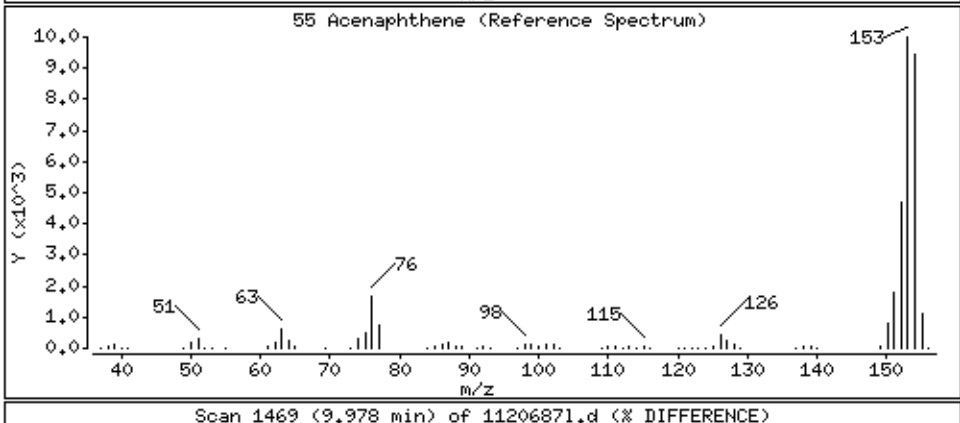
Column diameter: 0.25

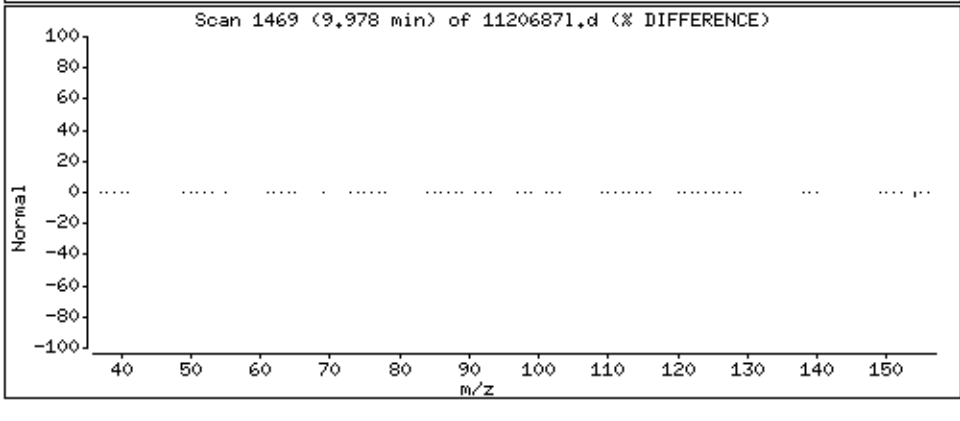
55 Acenaphthene

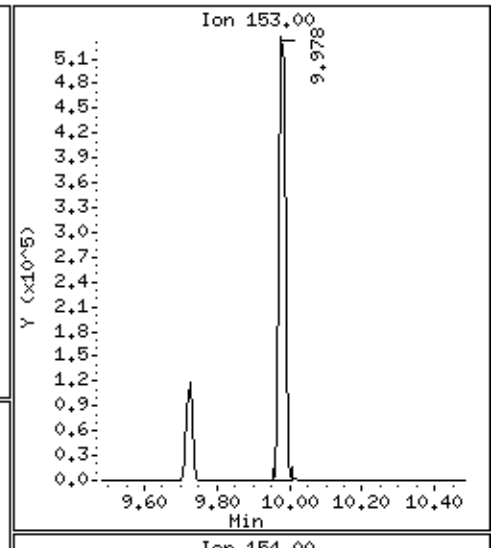
Concentration: 2542 ug/Kg

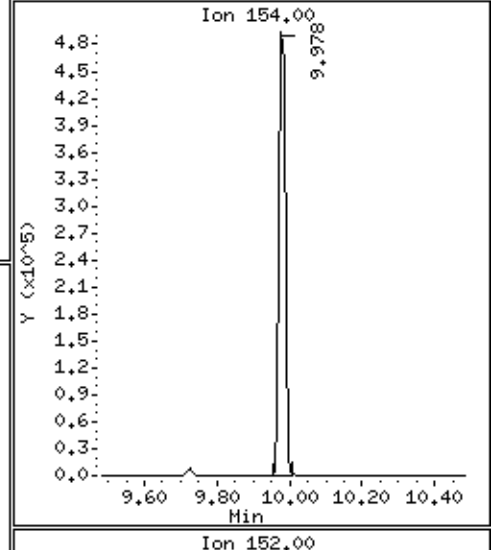


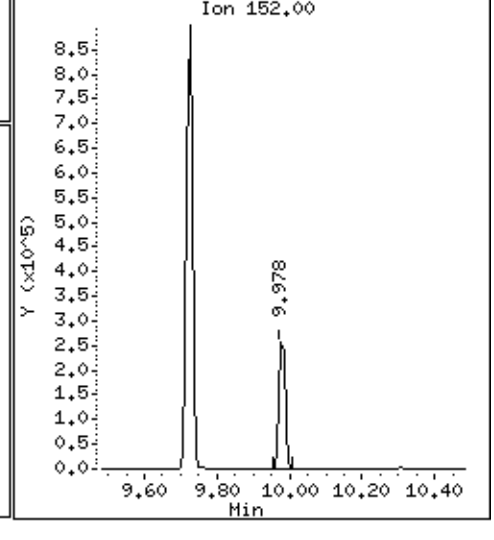












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\1120687l.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

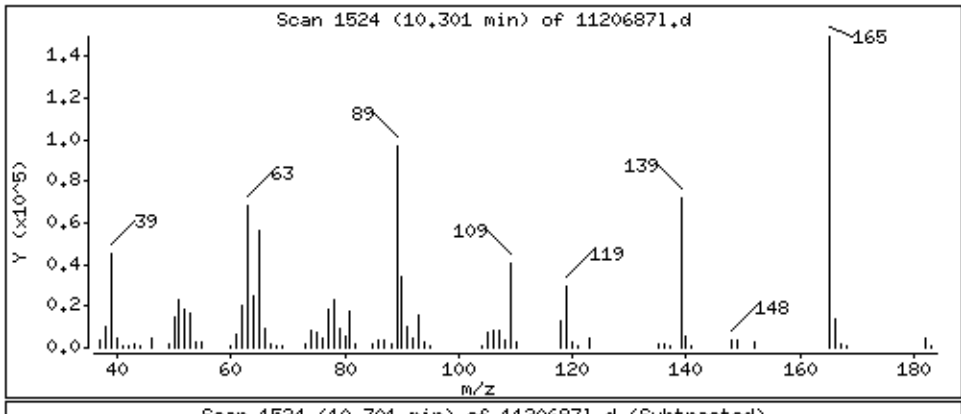
Operator: SN

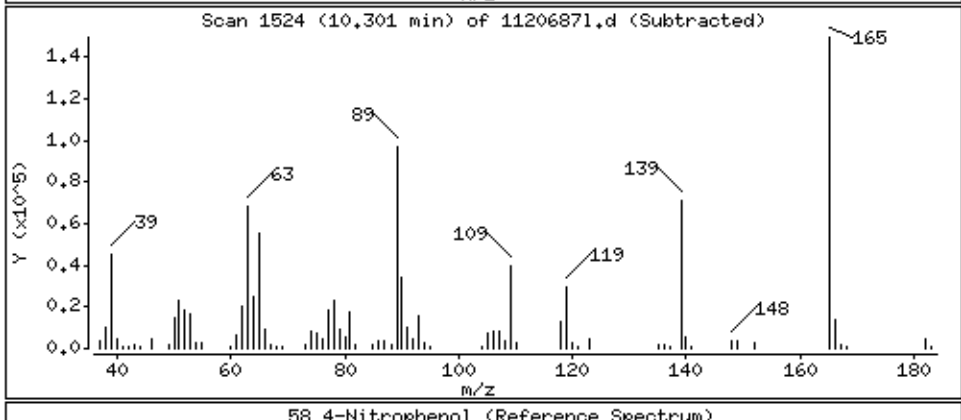
Column phase: .50um DB-5ms

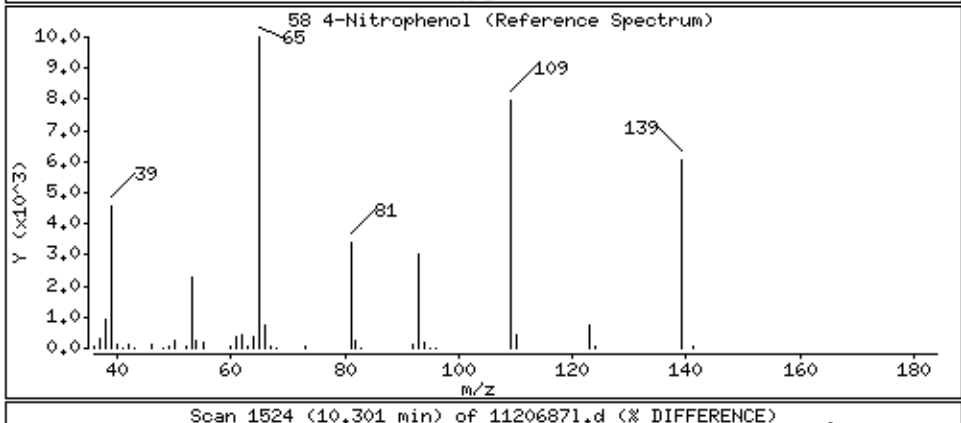
Column diameter: 0.25

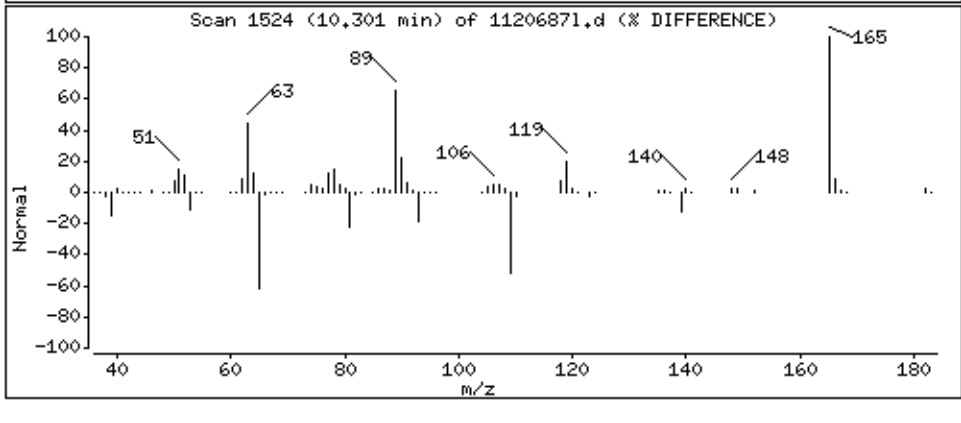
58 4-Nitrophenol

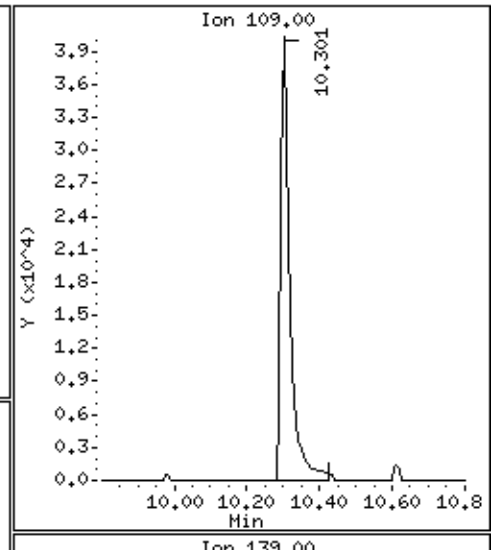
Concentration: 2446 ug/Kg

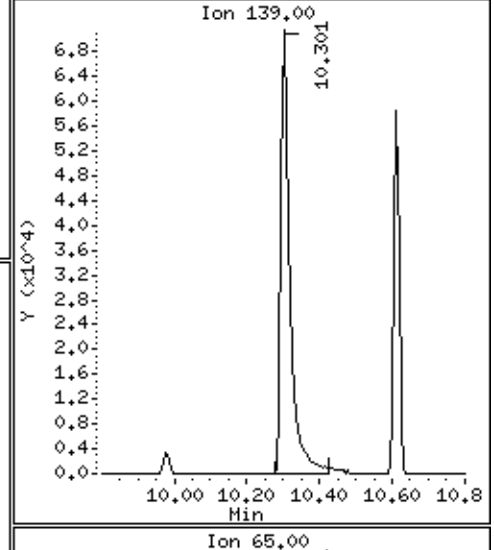


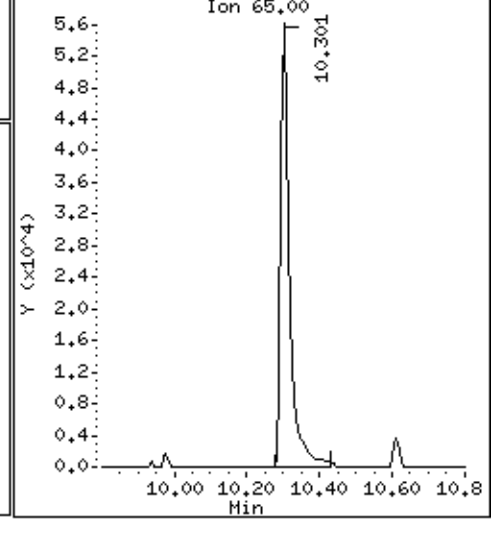












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

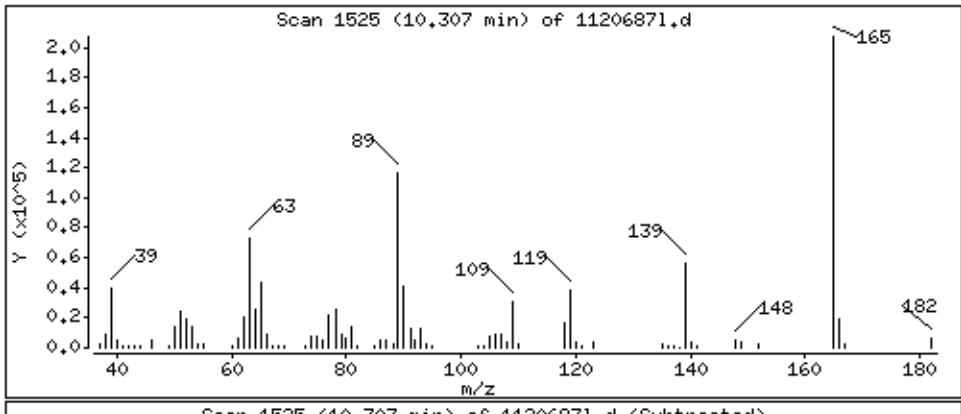
Operator: SN

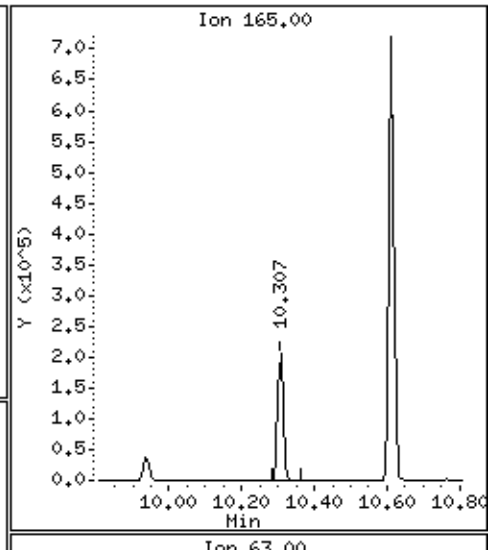
Column phase: .50um DB-5ms

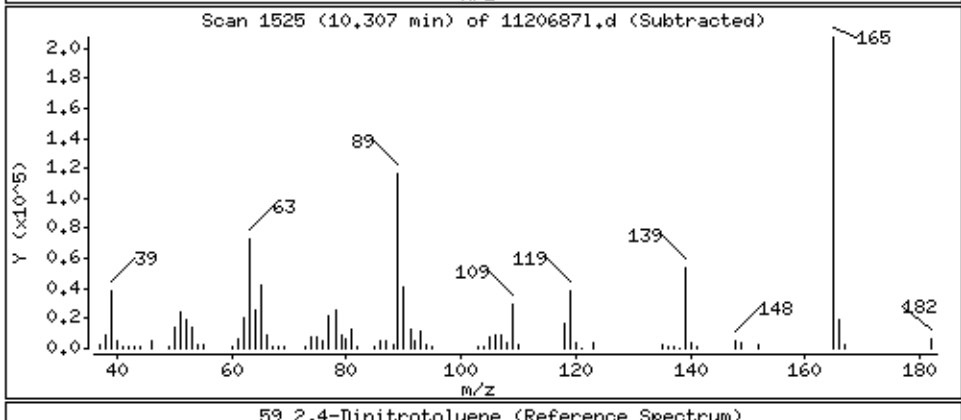
Column diameter: 0.25

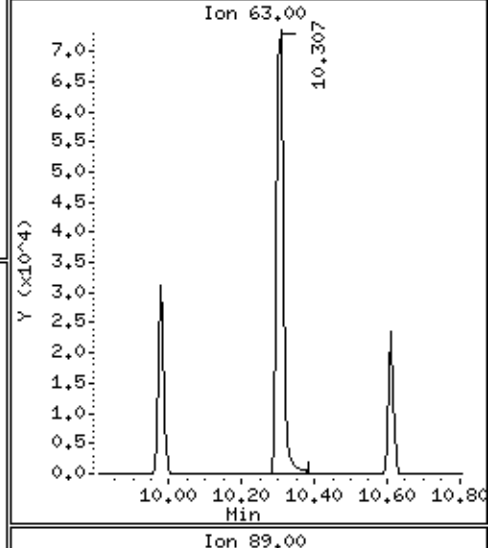
59 2,4-Dinitrotoluene

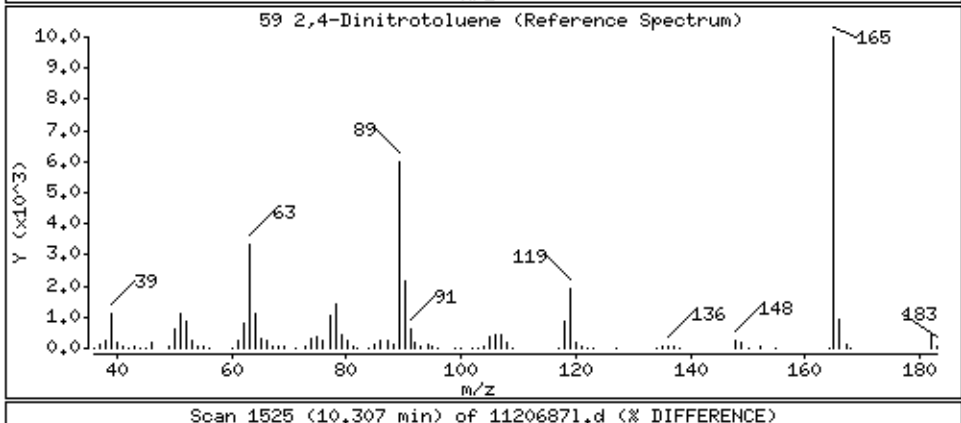
Concentration: 2534 ug/Kg

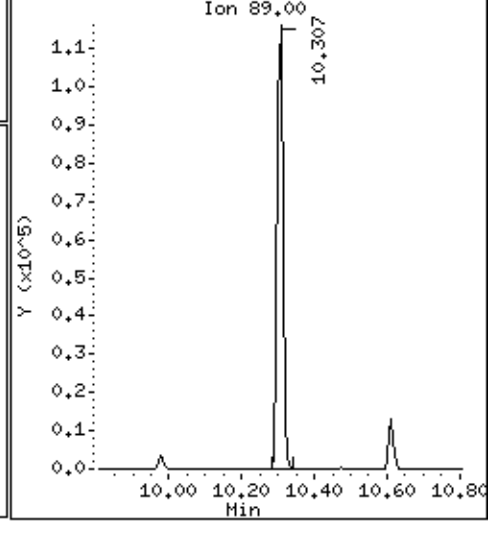


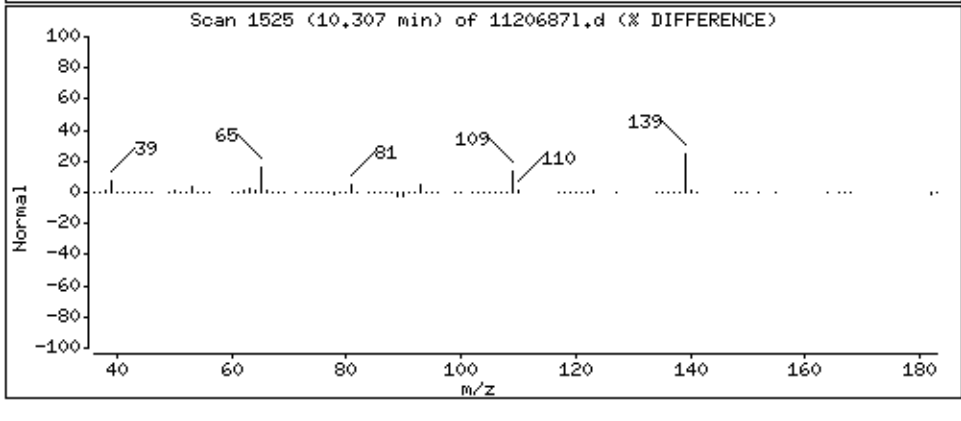












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

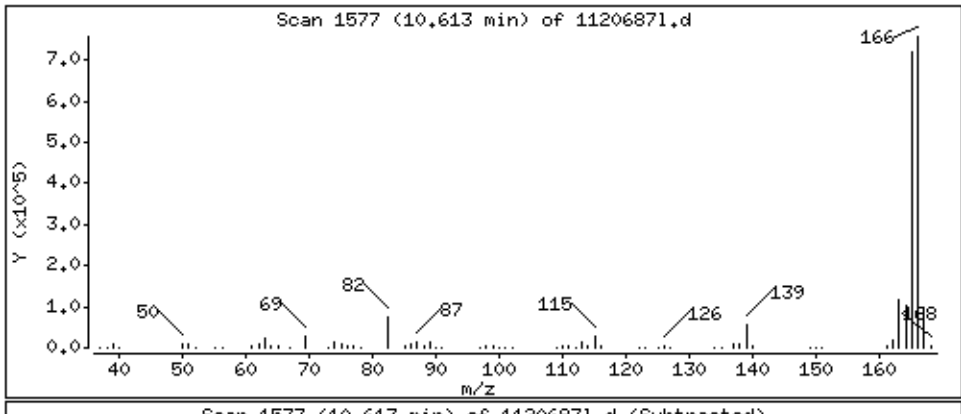
Operator: SN

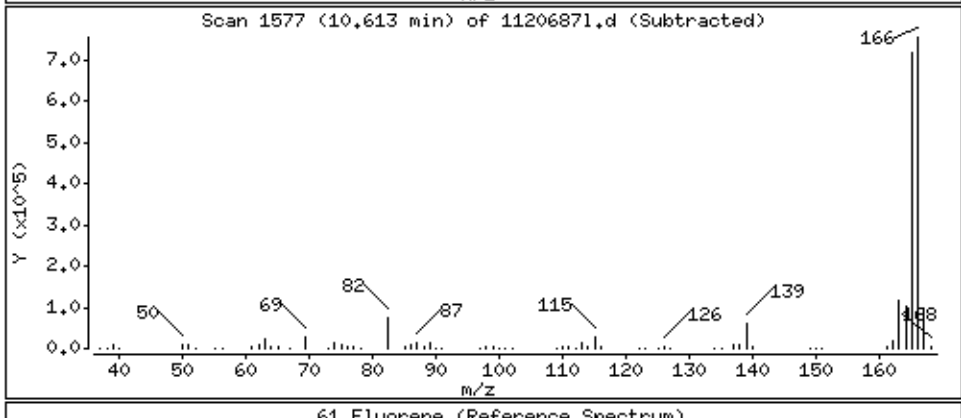
Column phase: .50um DB-5ms

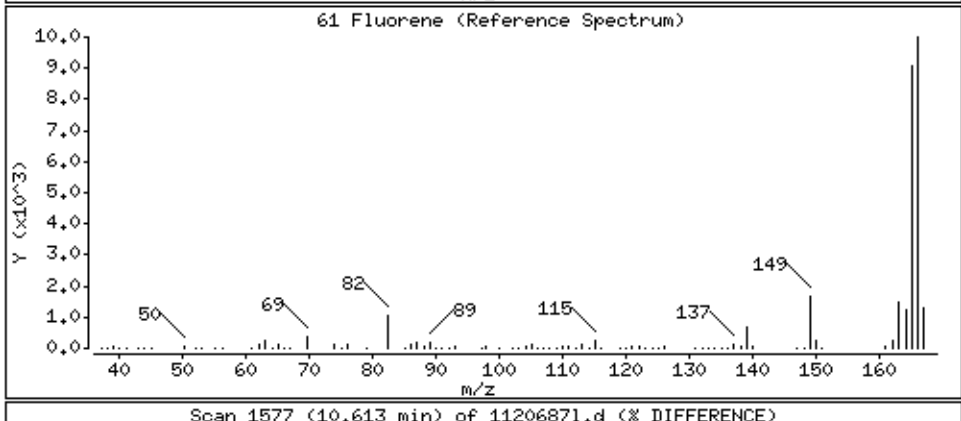
Column diameter: 0.25

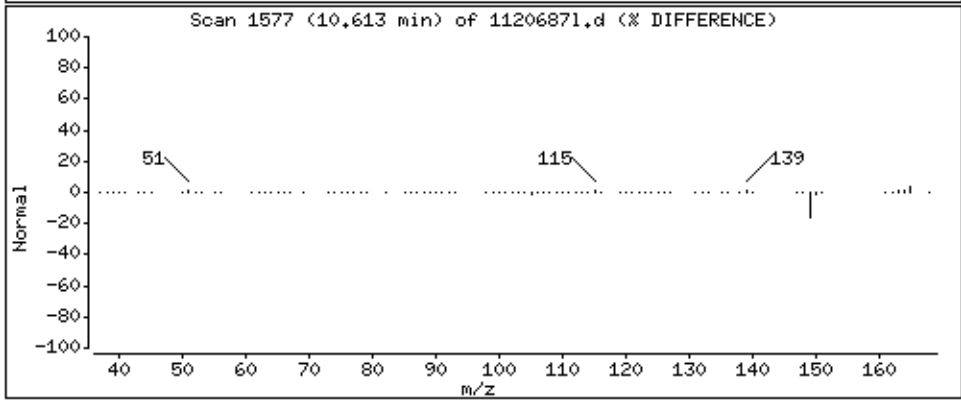
61 Fluorene

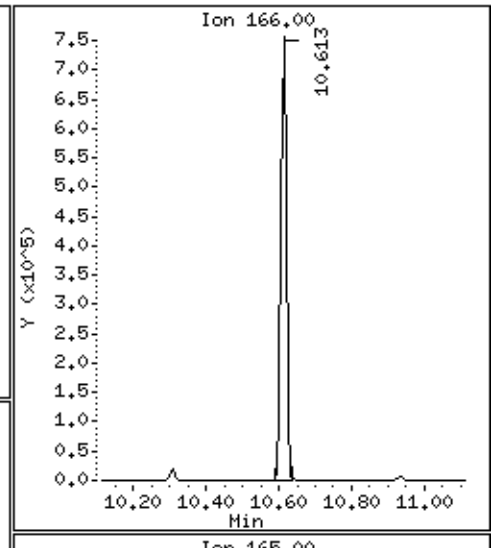
Concentration: 2926 ug/Kg

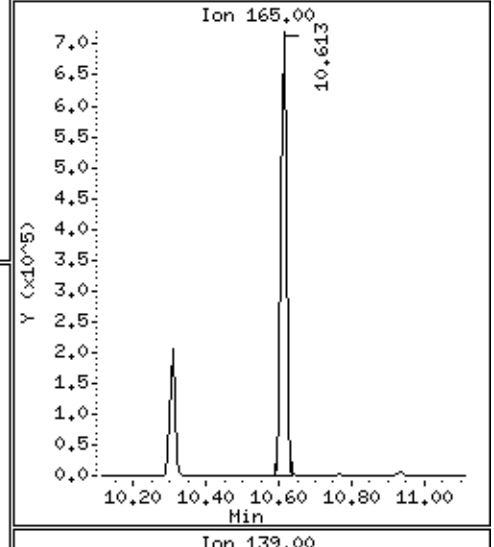


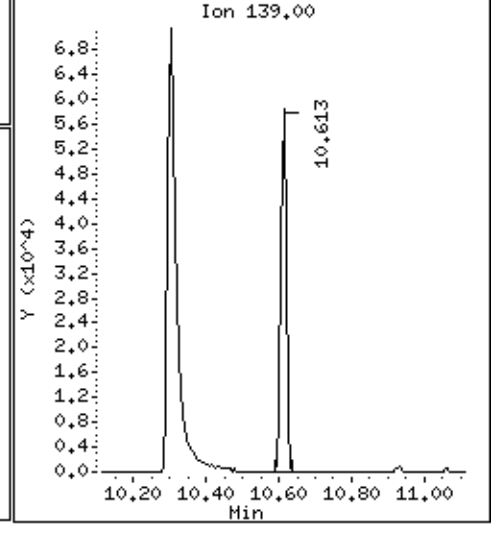












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

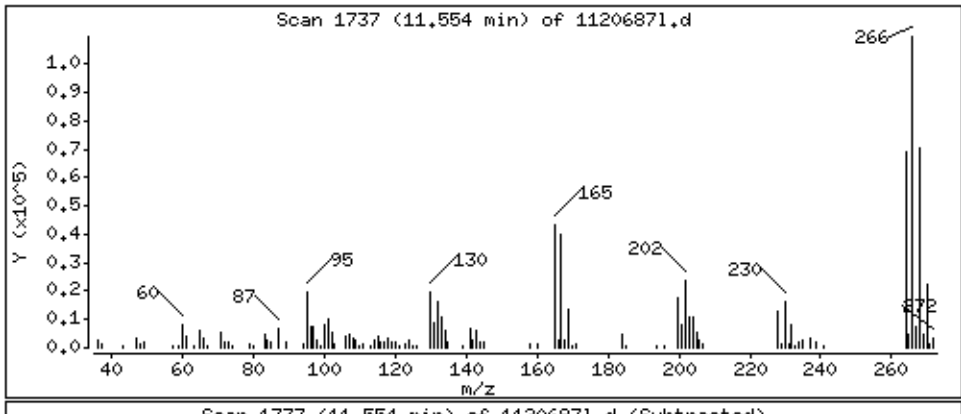
Operator: SN

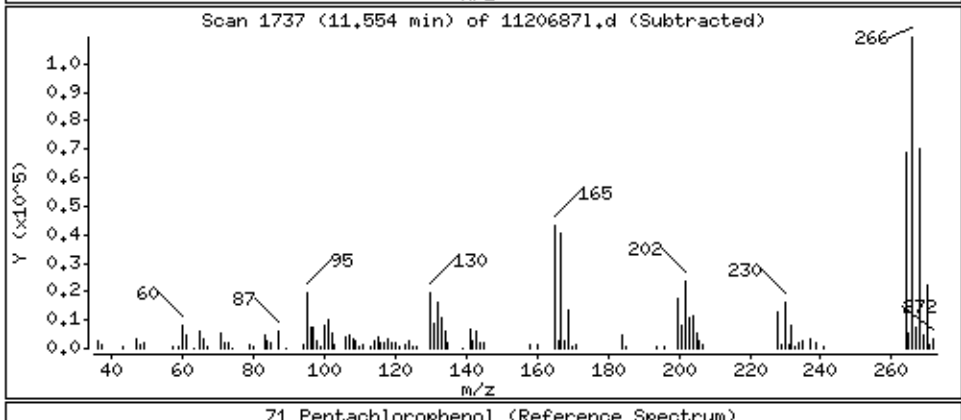
Column phase: .50um DB-5ms

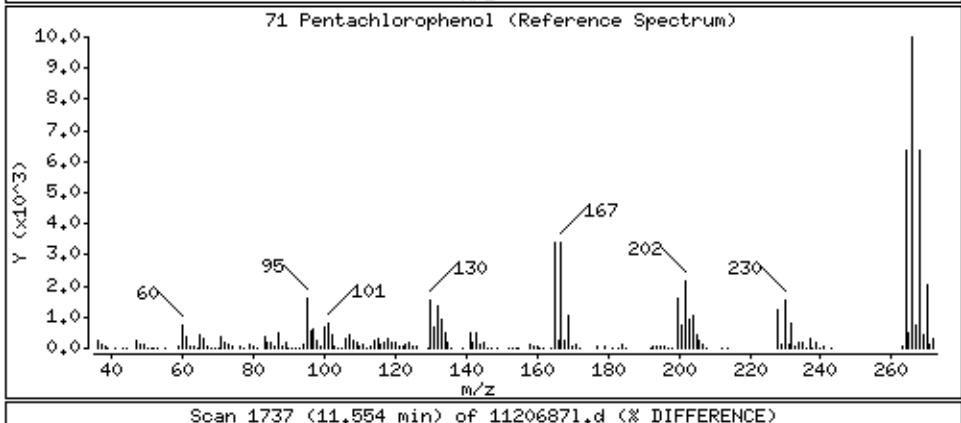
Column diameter: 0.25

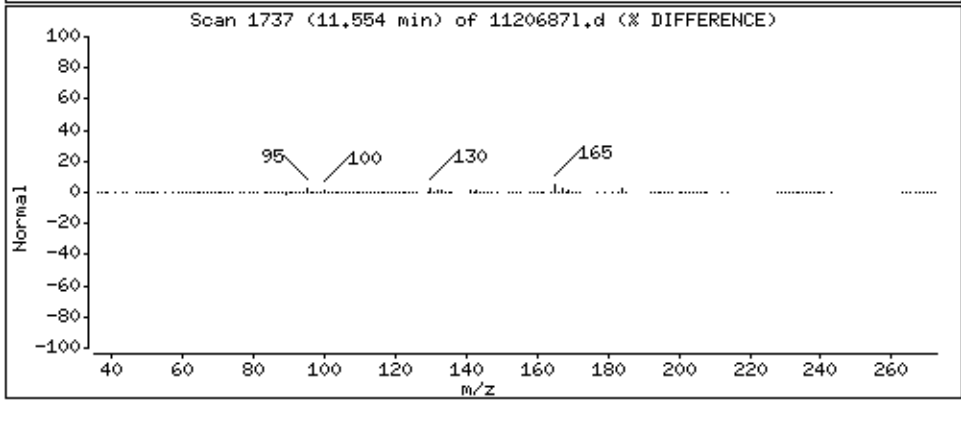
71 Pentachlorophenol

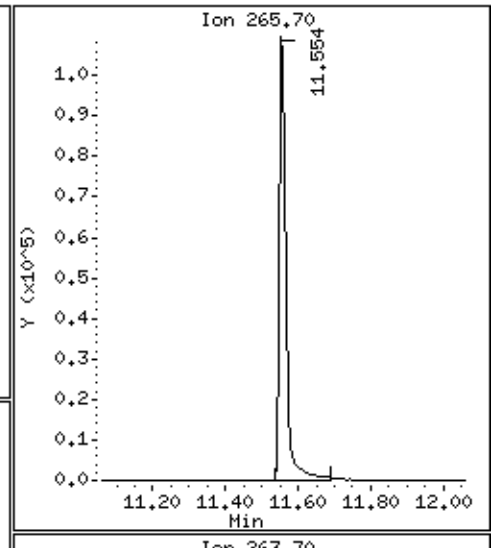
Concentration: 2296 ug/Kg

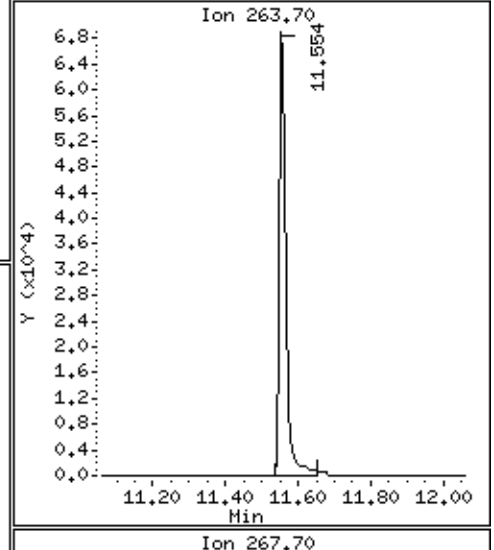


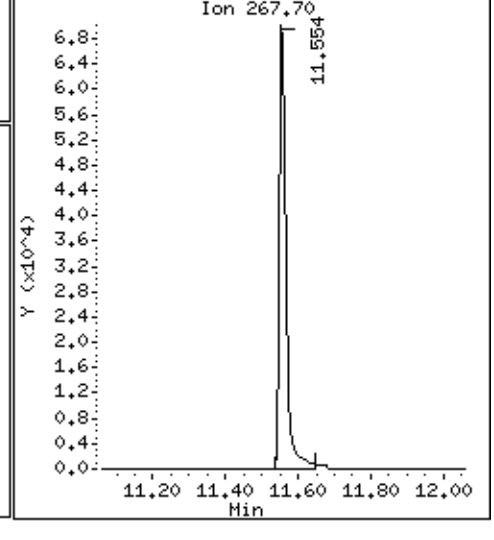












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

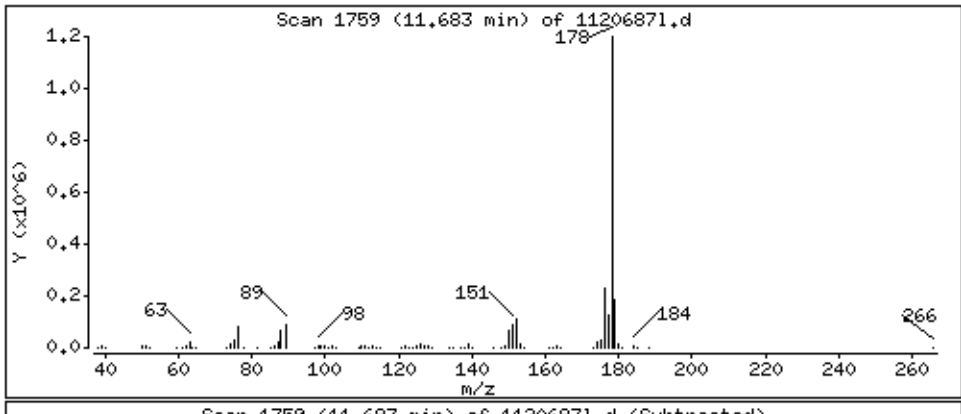
Operator: SN

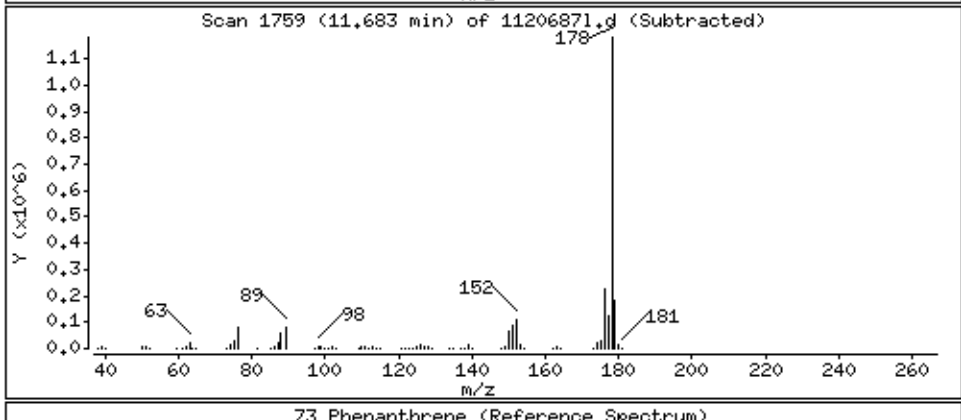
Column phase: .50um DB-5ms

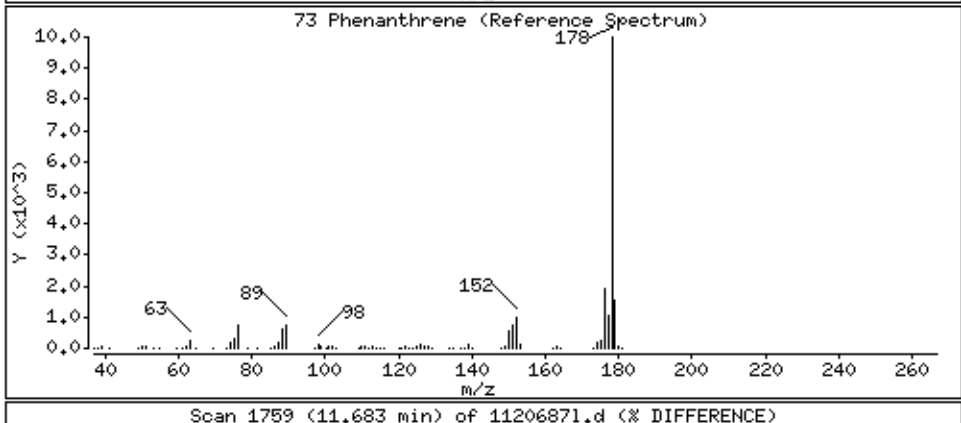
Column diameter: 0.25

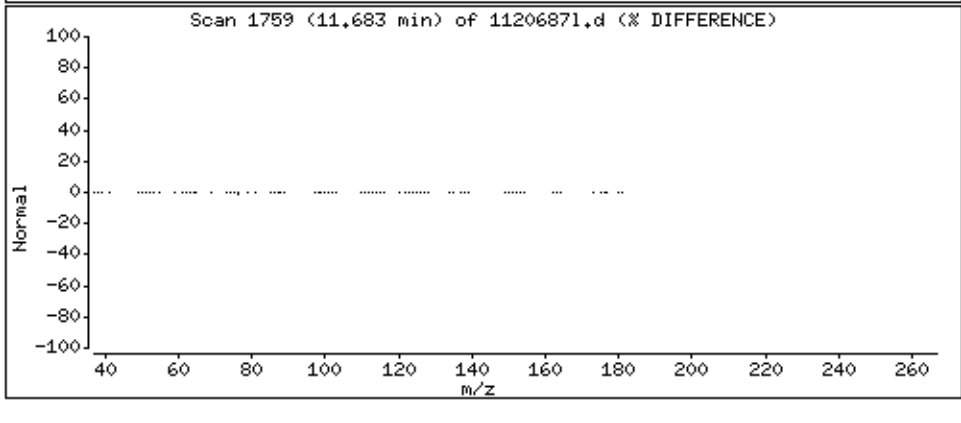
73 Phenanthrene

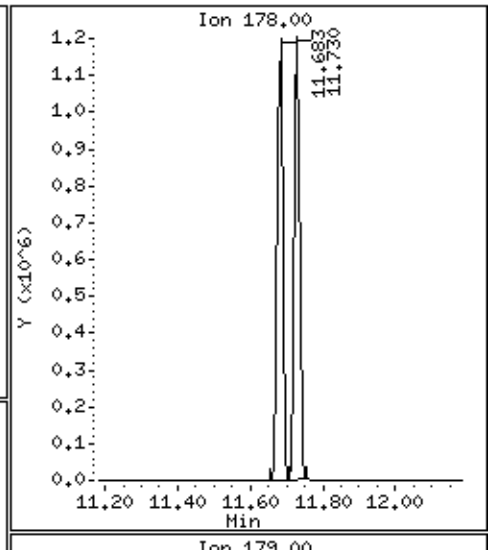
Concentration: 2634 ug/Kg

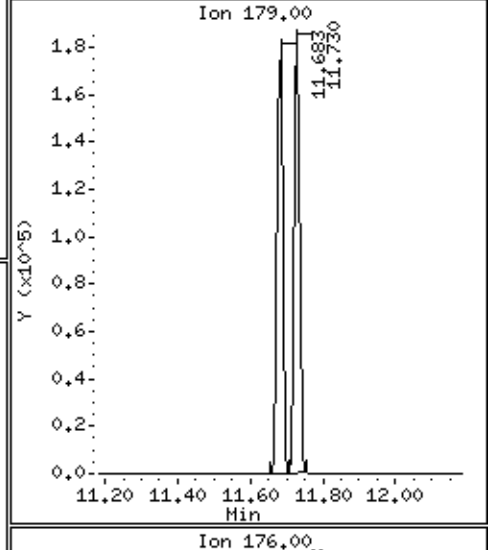


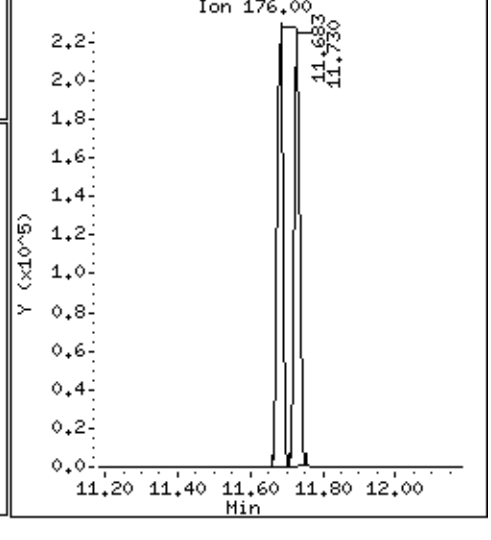












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

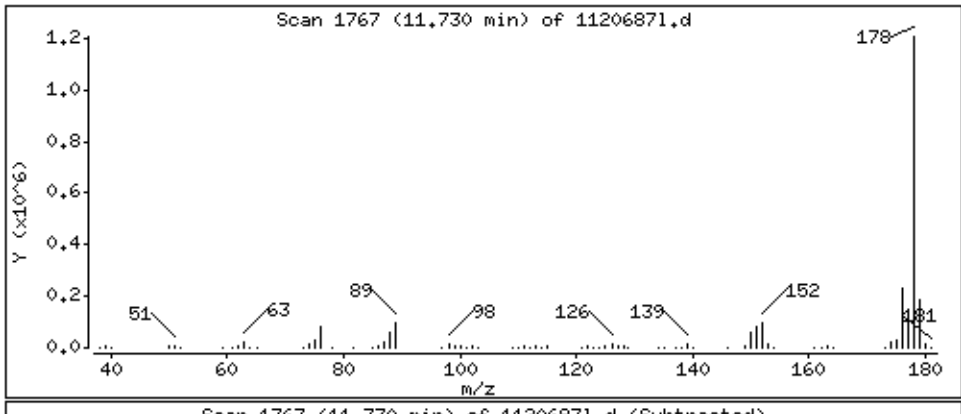
Operator: SN

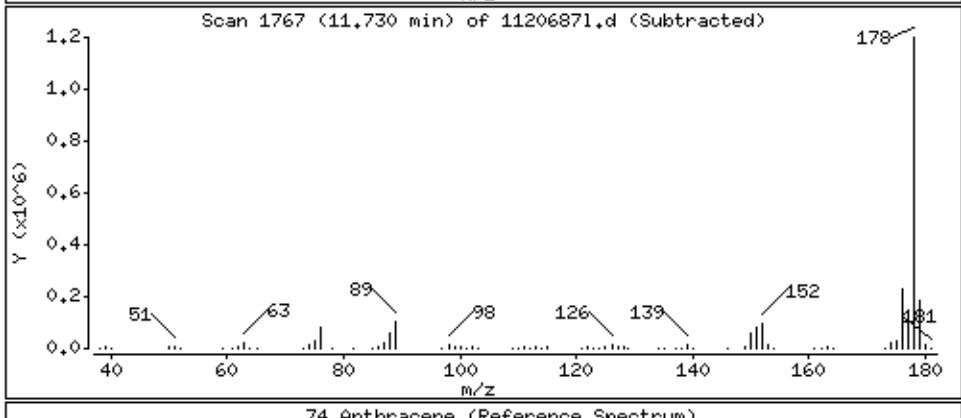
Column phase: .50um DB-5ms

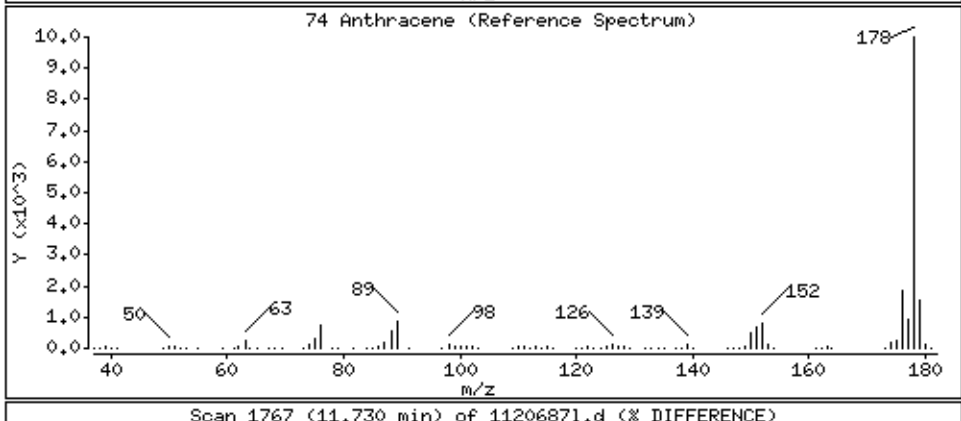
Column diameter: 0.25

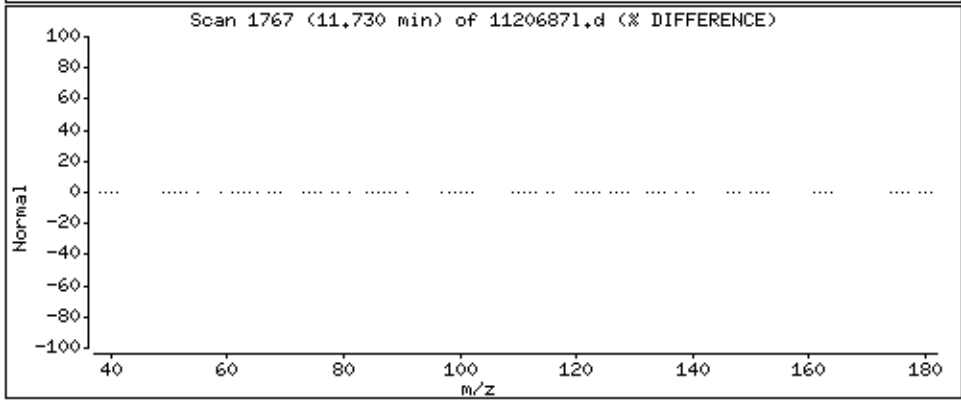
74 Anthracene

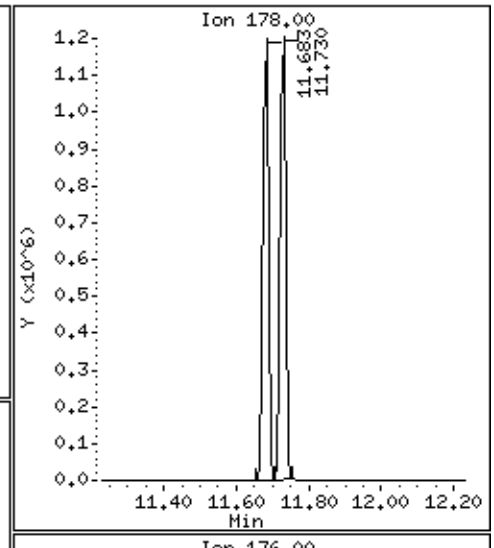
Concentration: 2565 ug/Kg

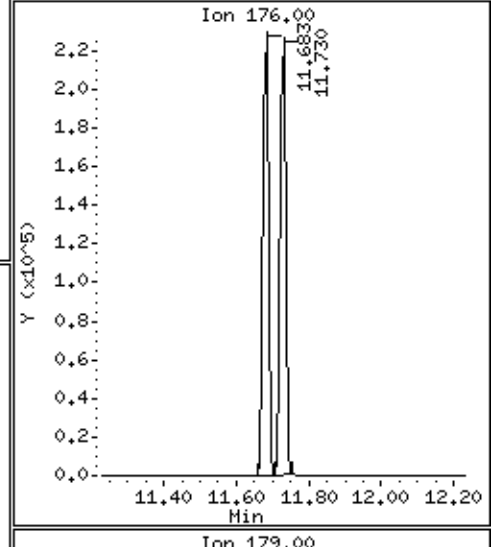


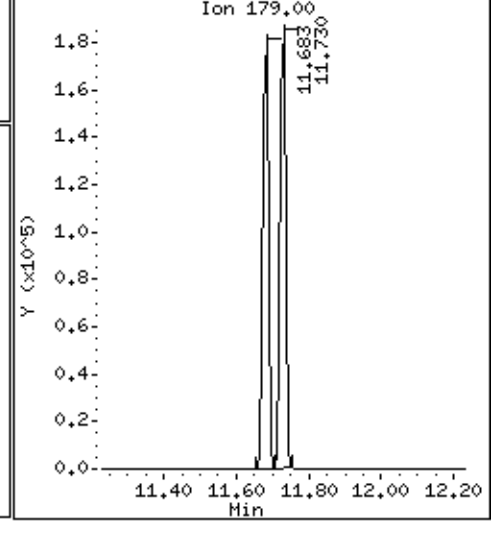












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

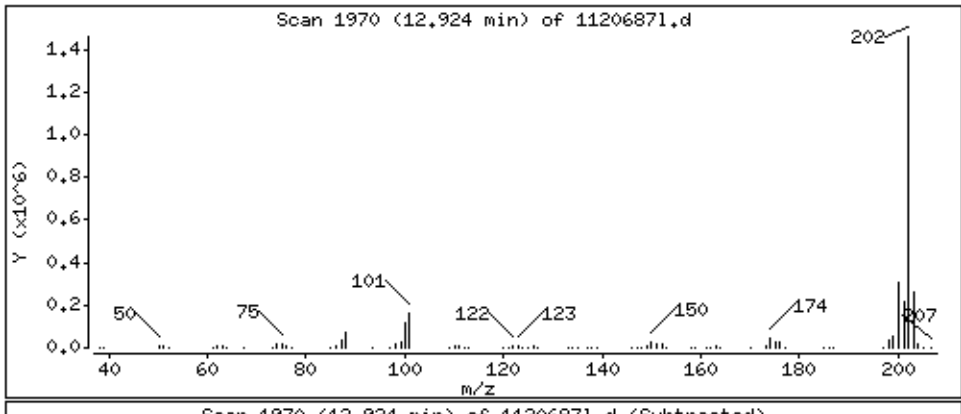
Operator: SN

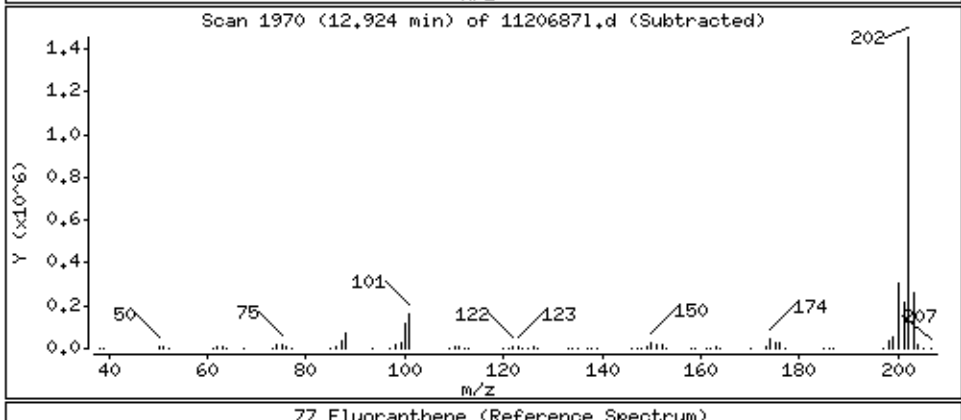
Column phase: .50um DB-5ms

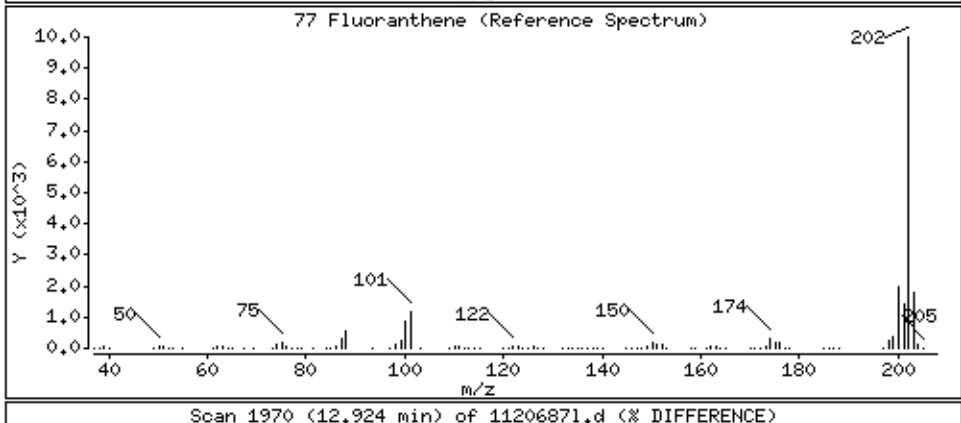
Column diameter: 0.25

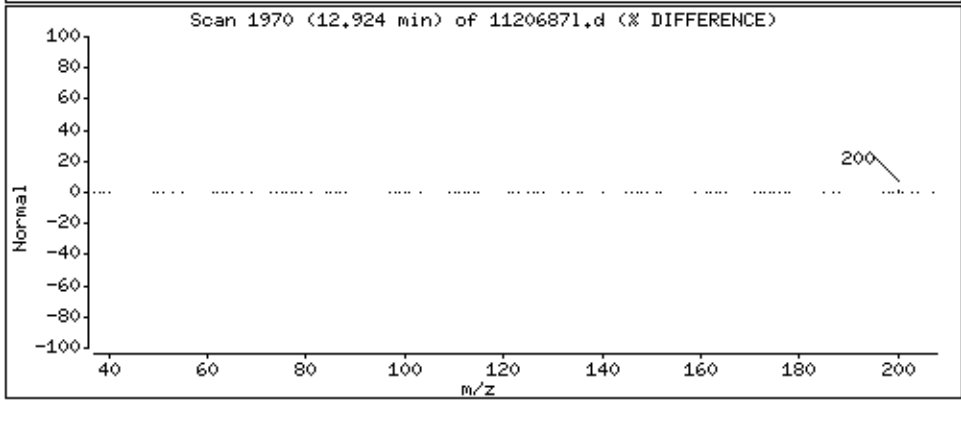
77 Fluoranthene

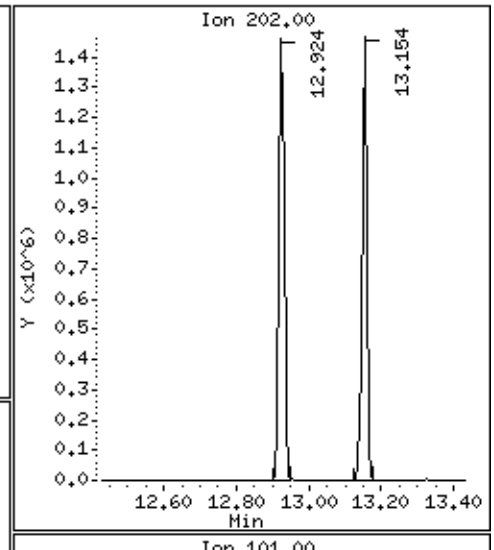
Concentration: 2734 ug/Kg

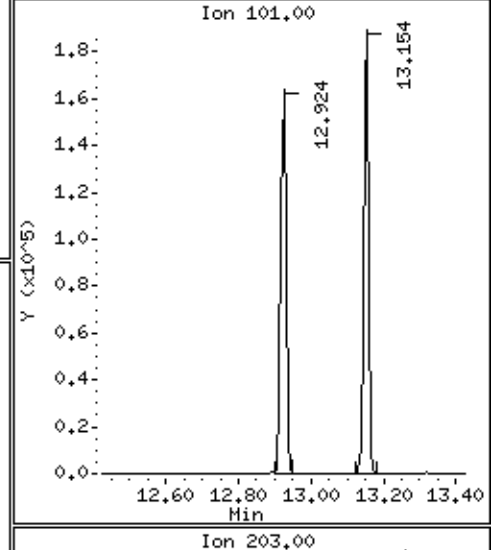


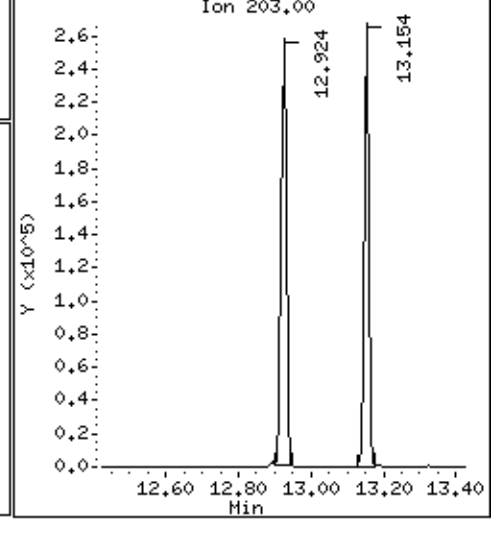












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

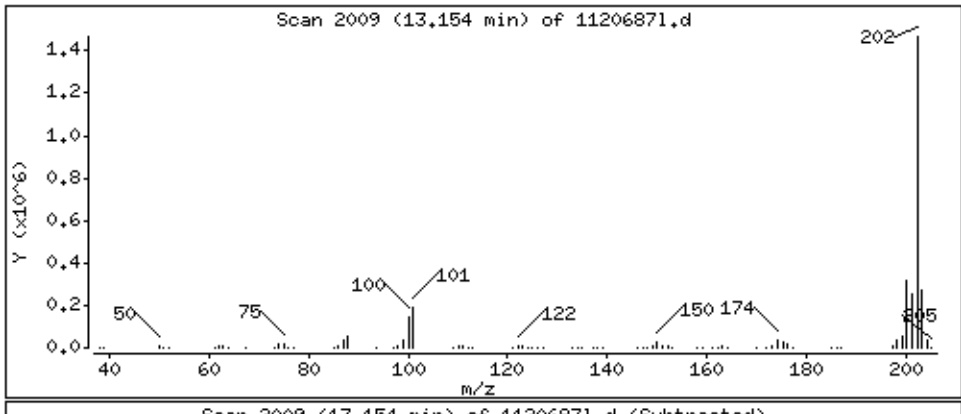
Operator: SN

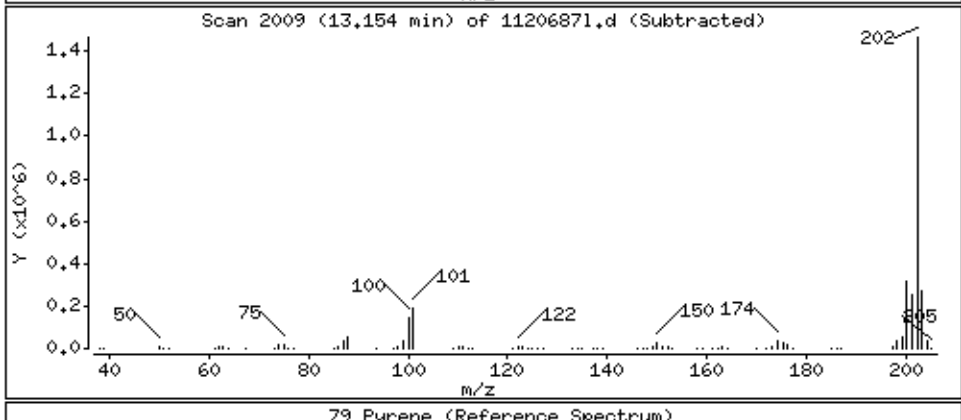
Column phase: .50um DB-5ms

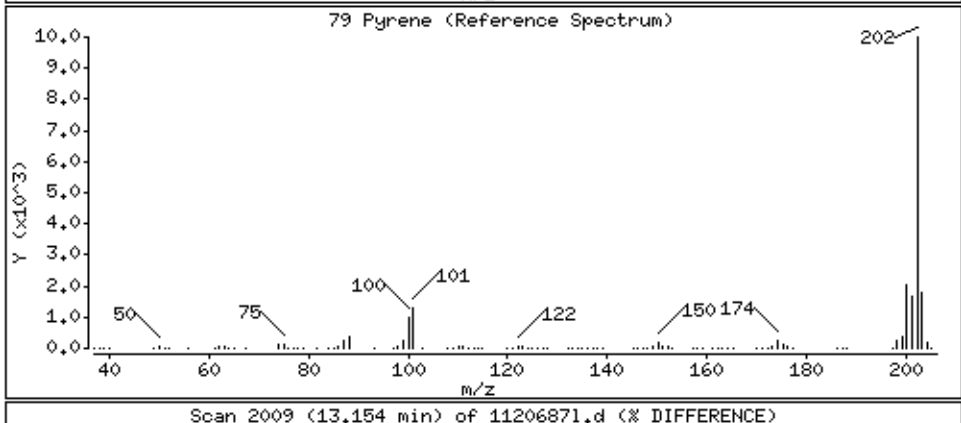
Column diameter: 0.25

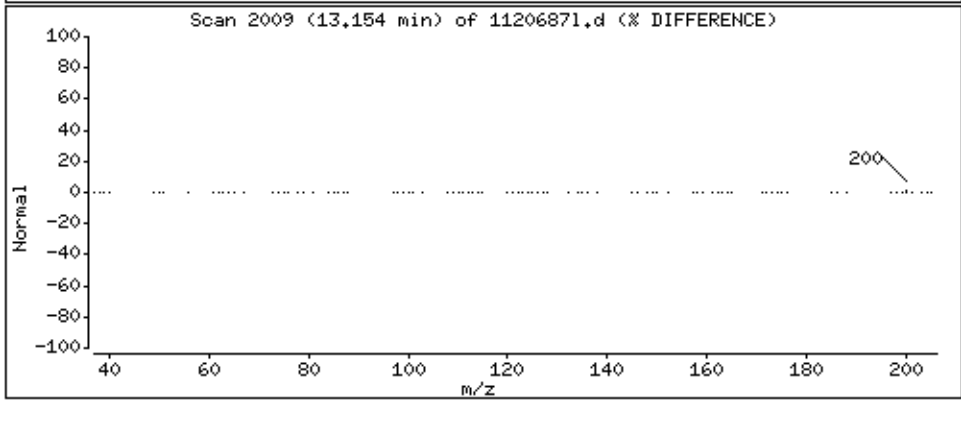
79 Pyrene

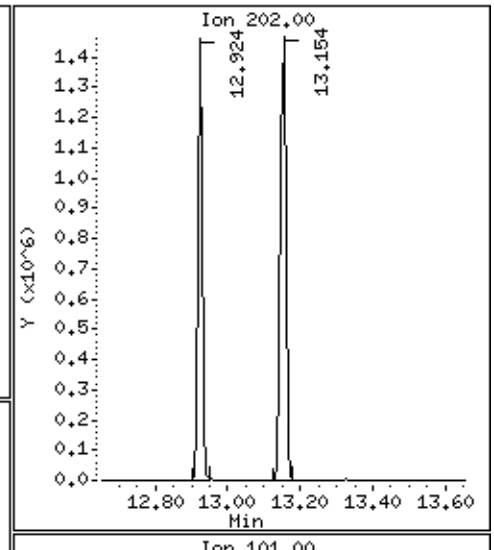
Concentration: 2769 ug/Kg

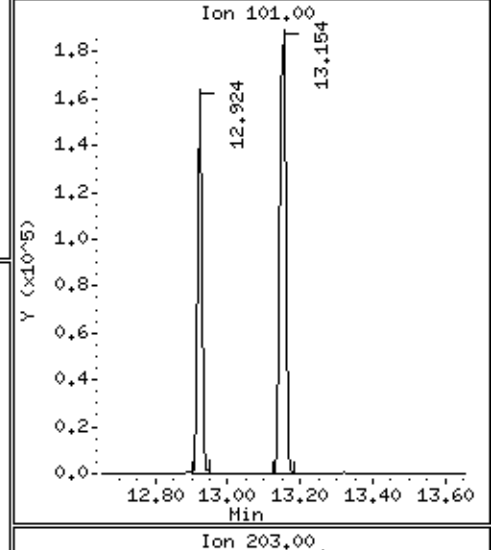


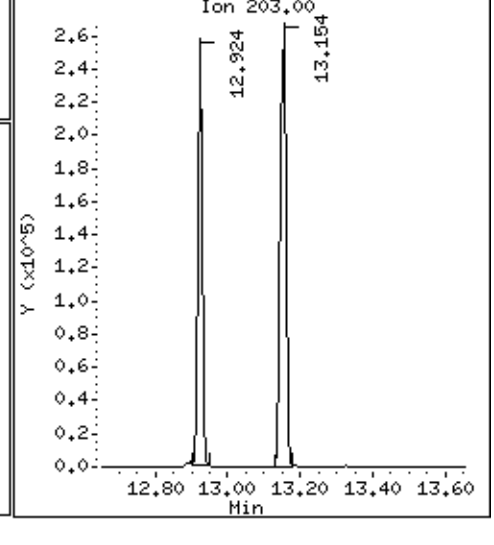












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

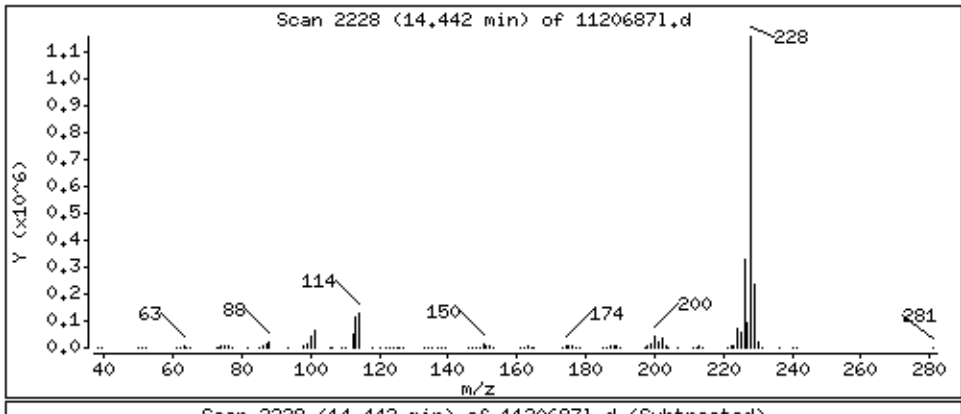
Operator: SN

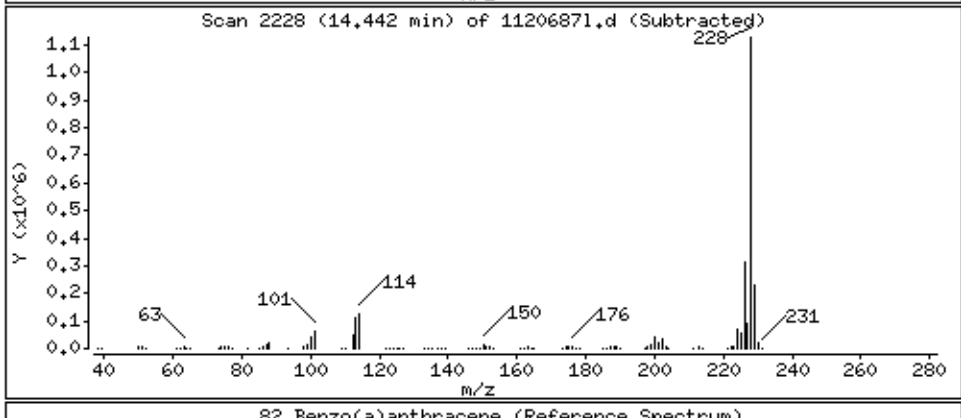
Column phase: .50um DB-5ms

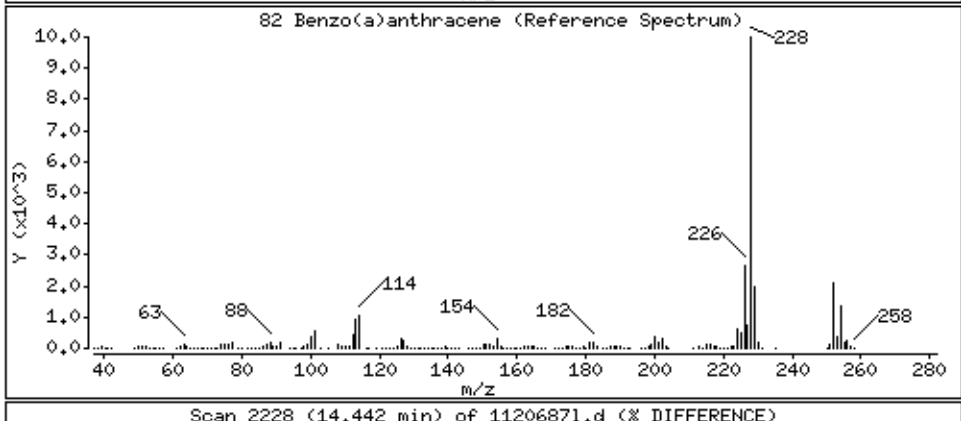
Column diameter: 0.25

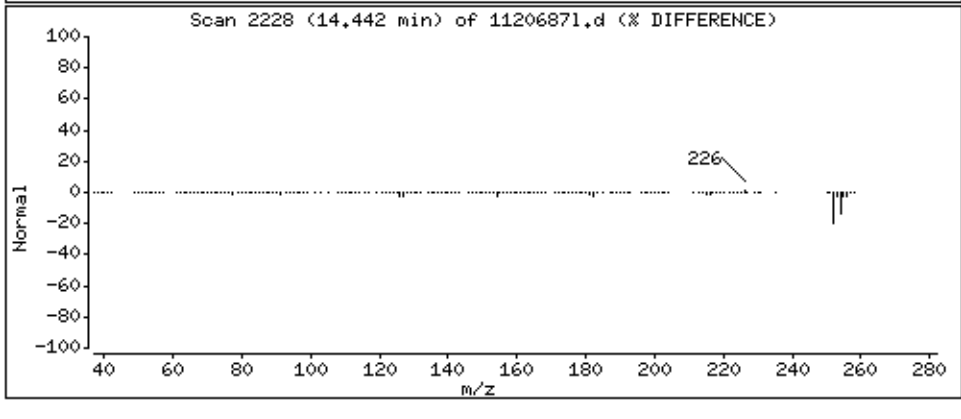
82 Benzo(a)anthracene

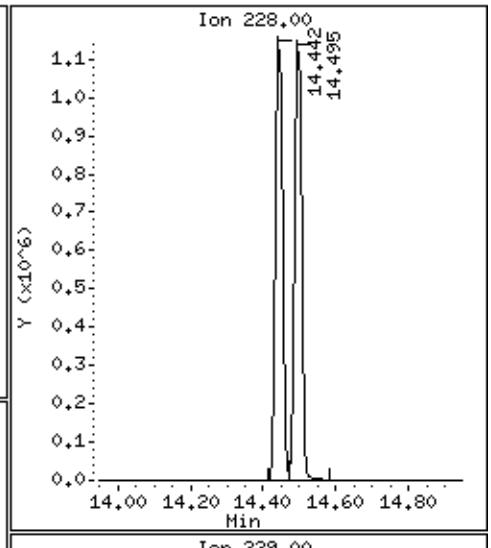
Concentration: 2579 ug/Kg

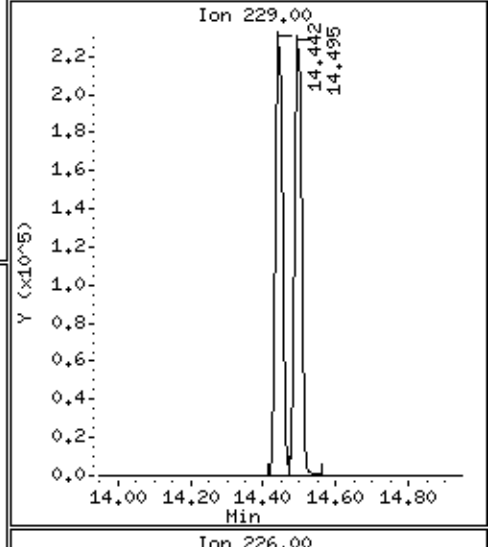


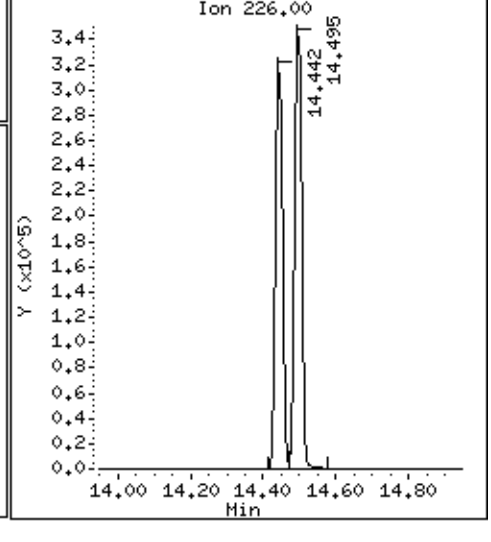












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

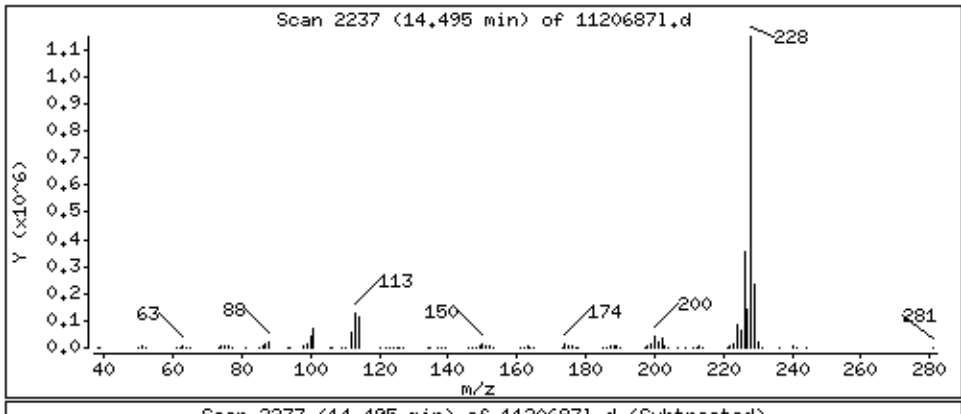
Operator: SN

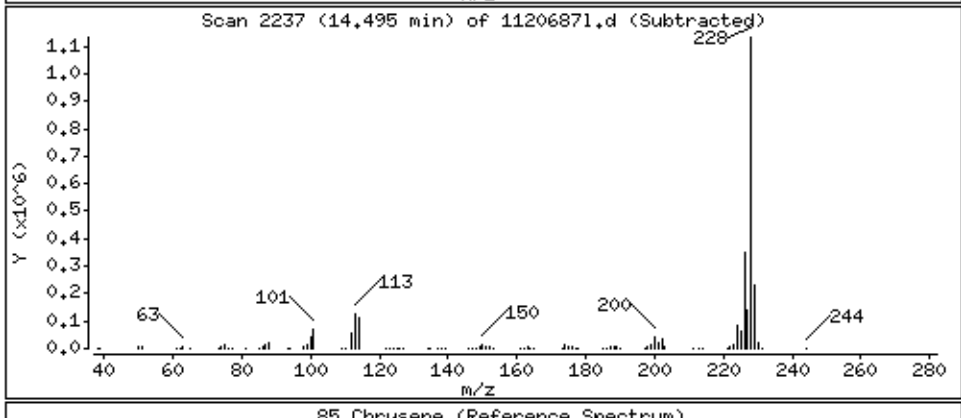
Column phase: .50um DB-5ms

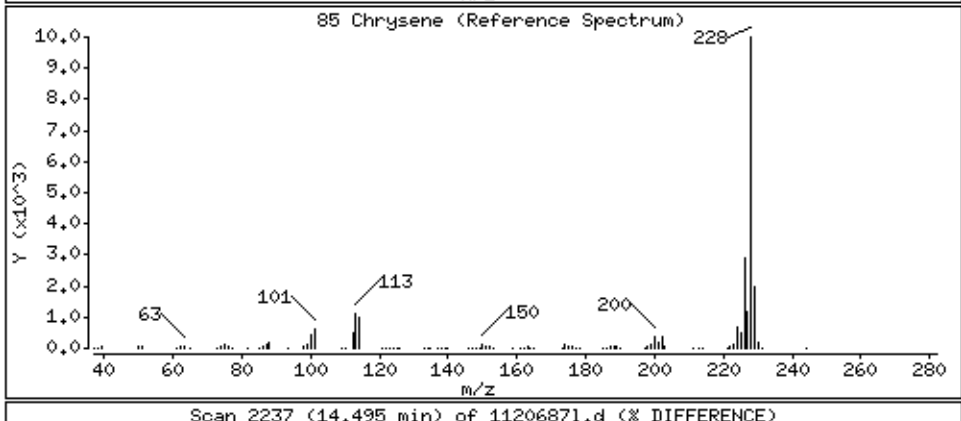
Column diameter: 0.25

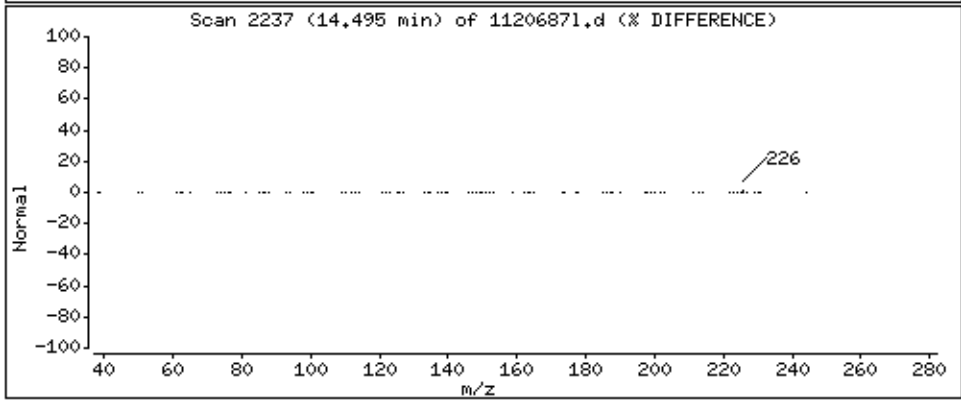
85 Chrysene

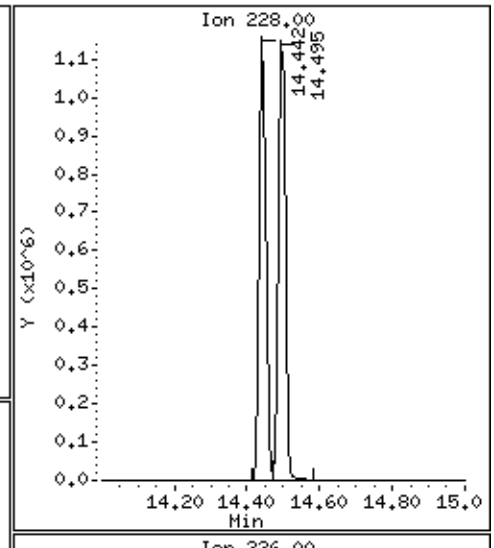
Concentration: 2686 ug/Kg

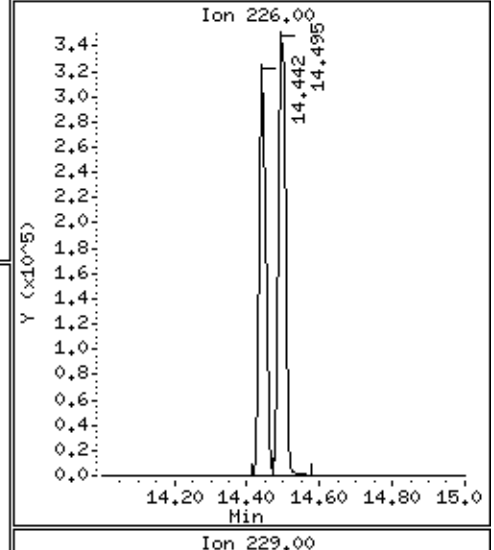


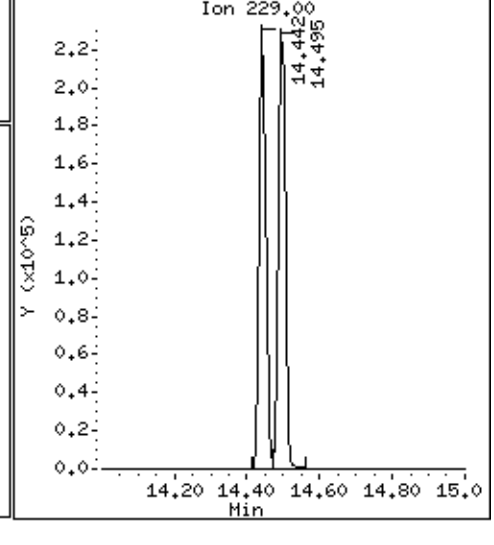












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

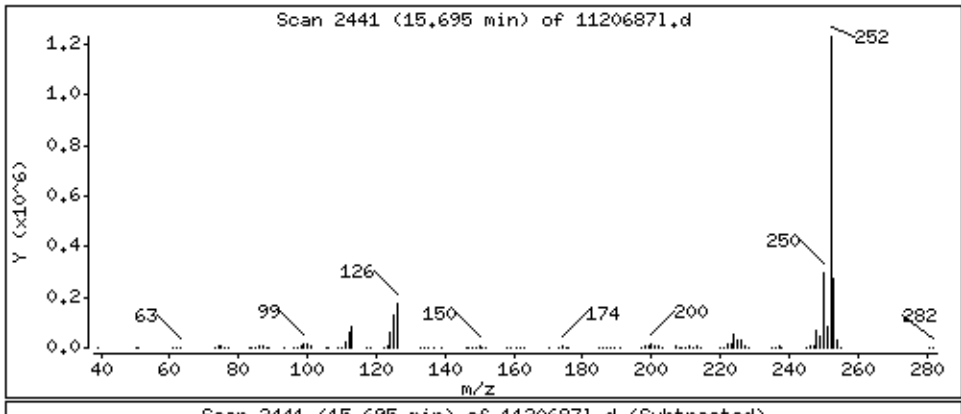
Operator: SN

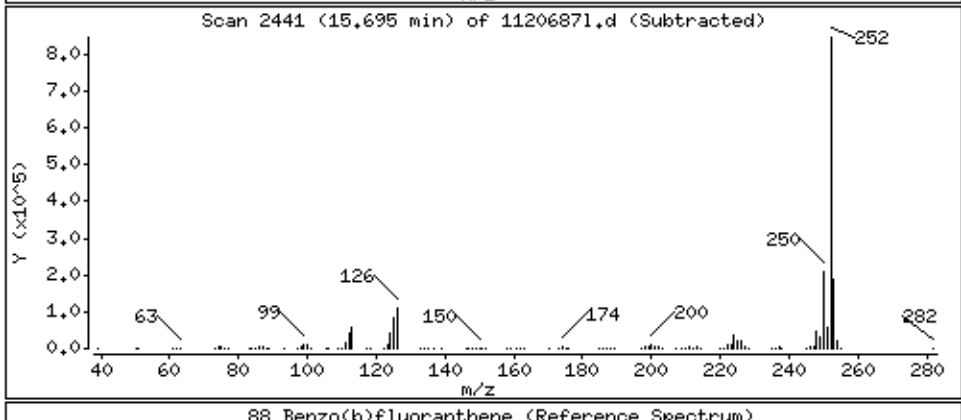
Column phase: .50um DB-5ms

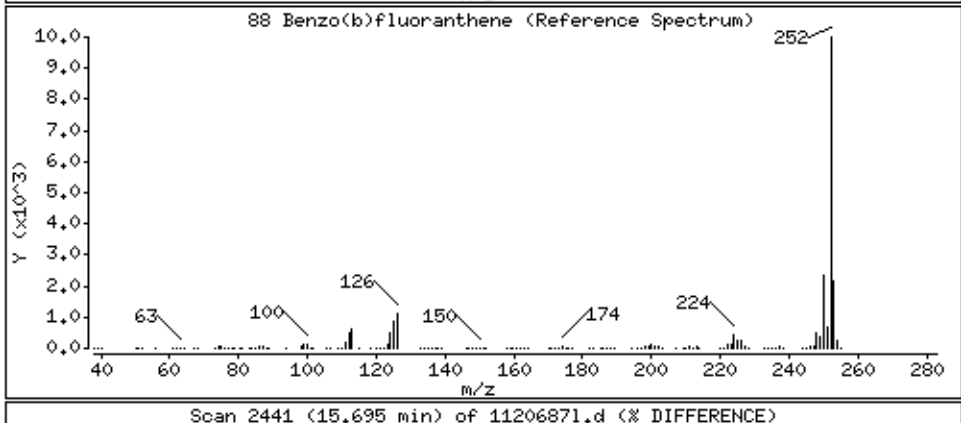
Column diameter: 0.25

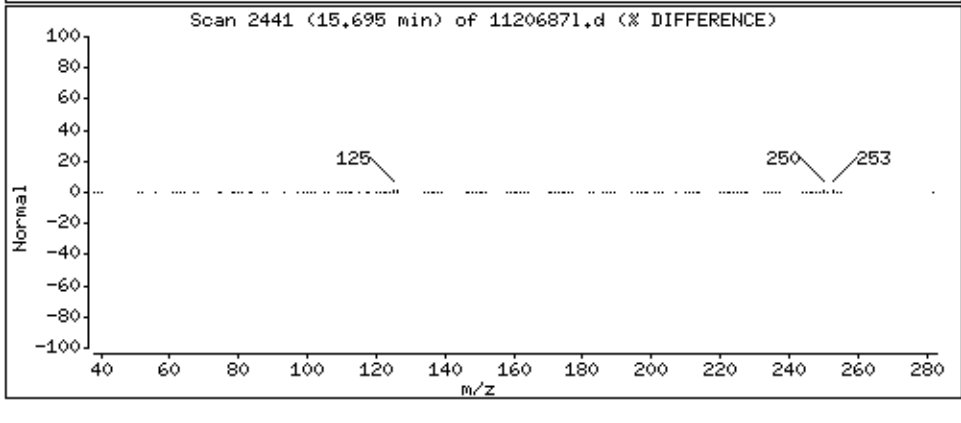
88 Benzo(b)fluoranthene

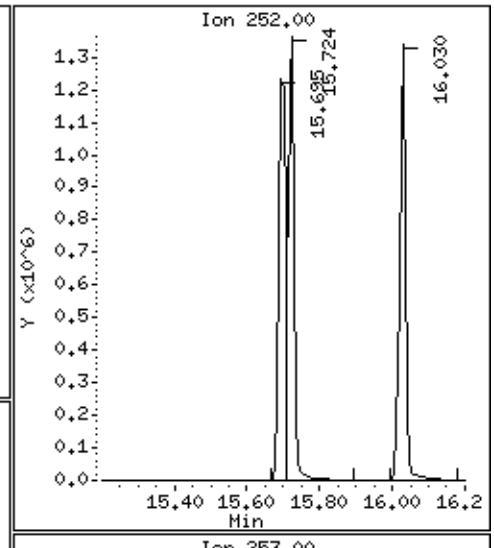
Concentration: 2340 ug/Kg

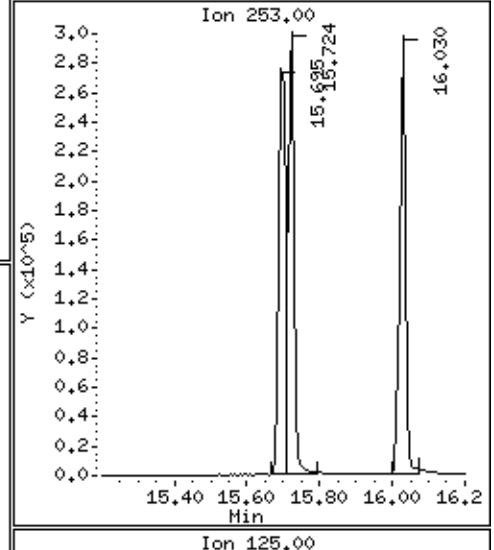


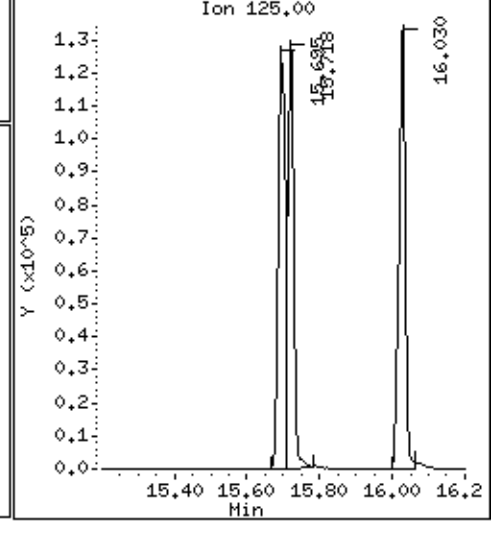












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

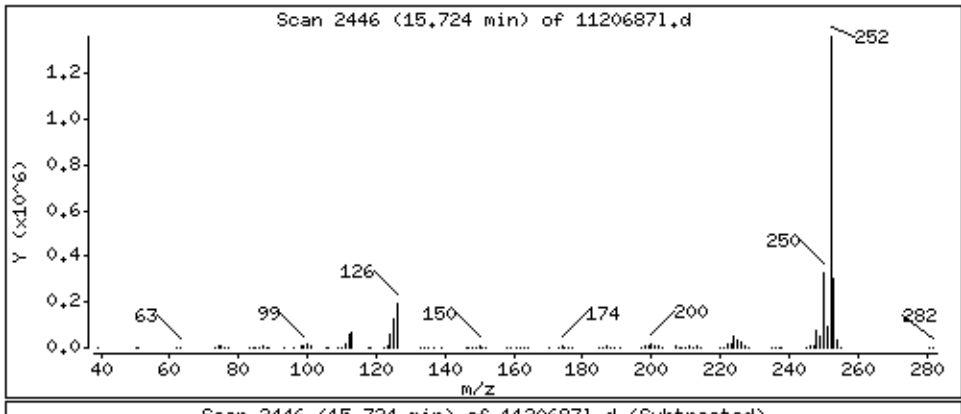
Operator: SN

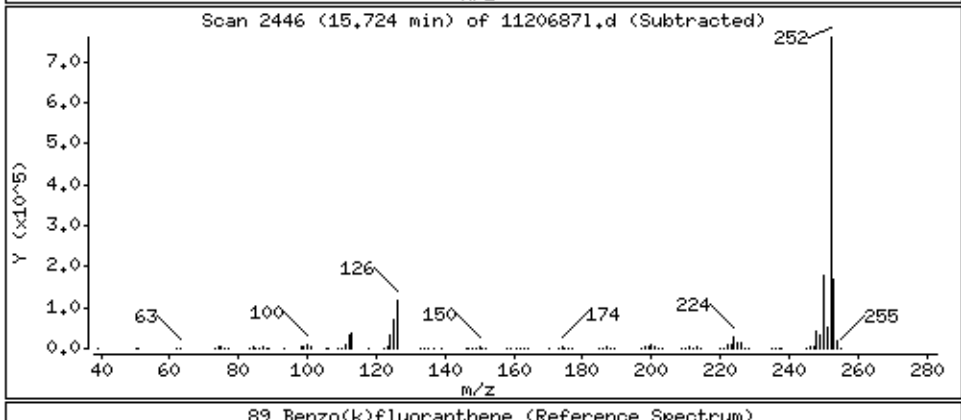
Column phase: .50um DB-5ms

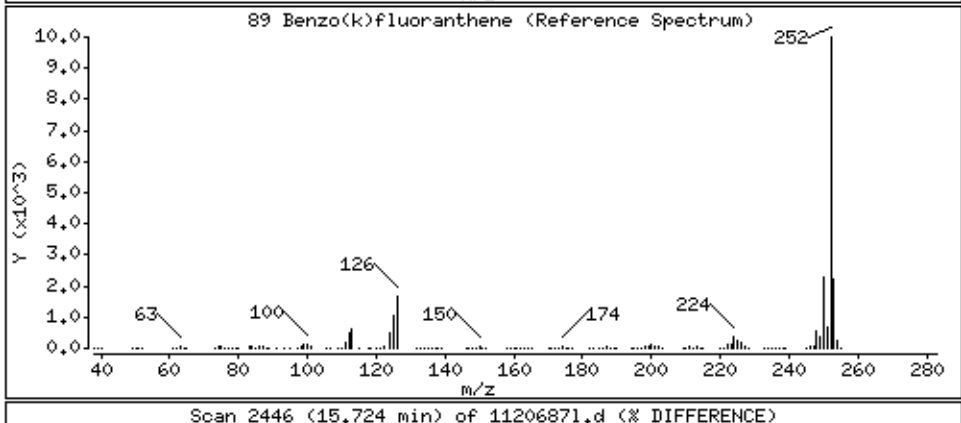
Column diameter: 0.25

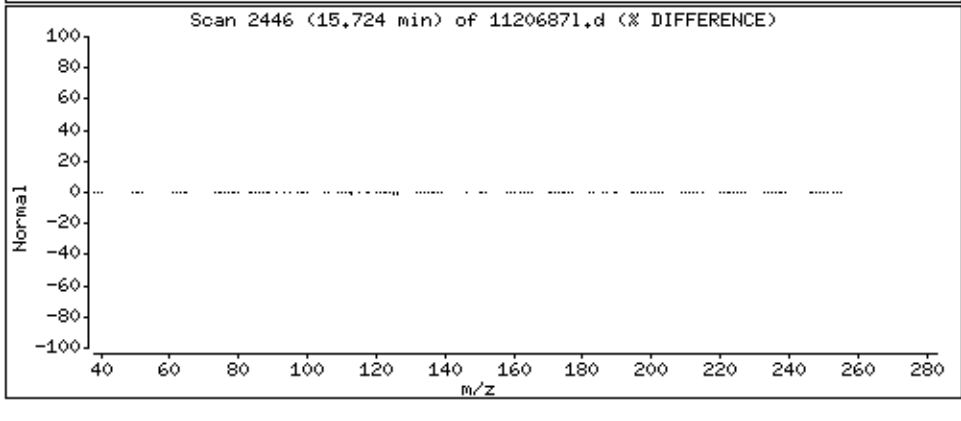
89 Benzo(k)fluoranthene

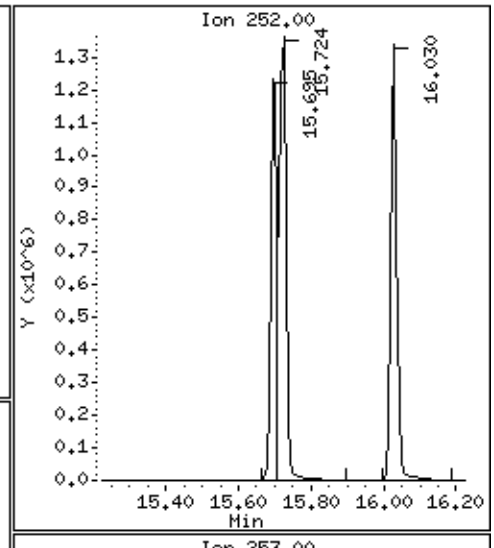
Concentration: 2865 ug/Kg

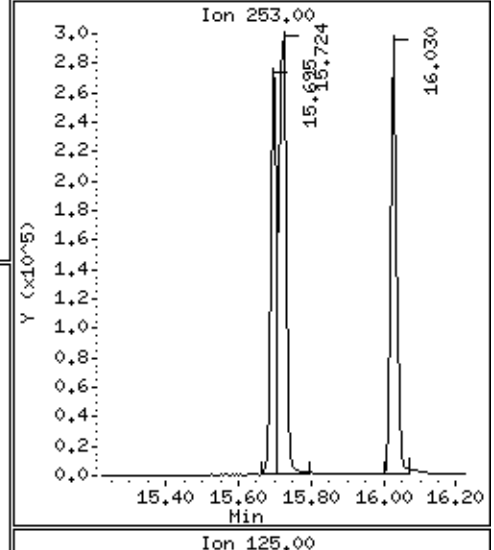


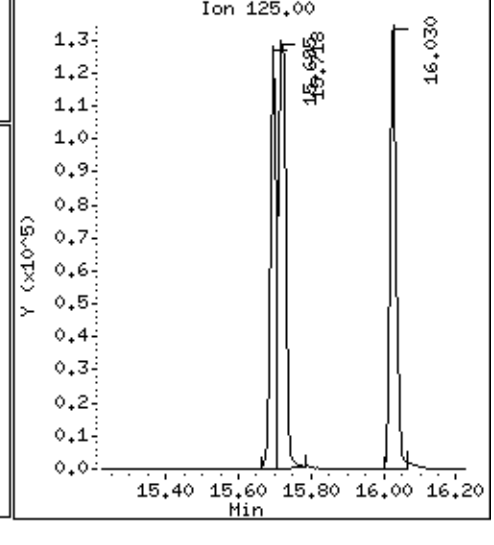












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

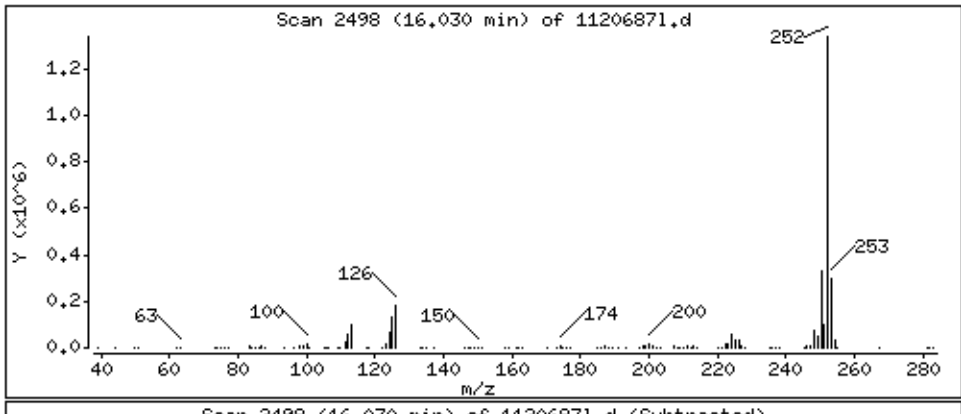
Operator: SN

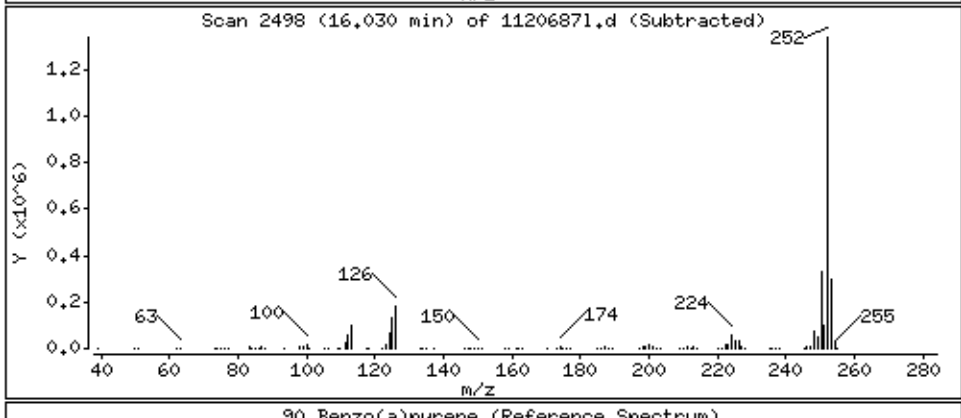
Column phase: .50um DB-5ms

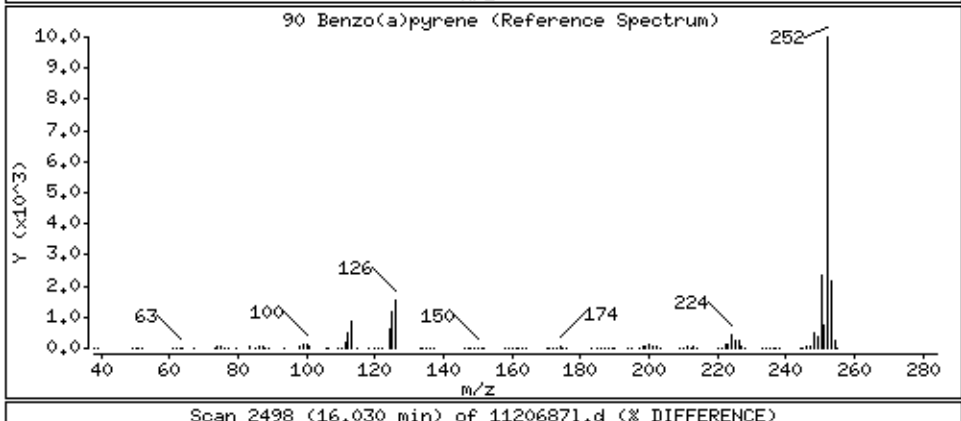
Column diameter: 0.25

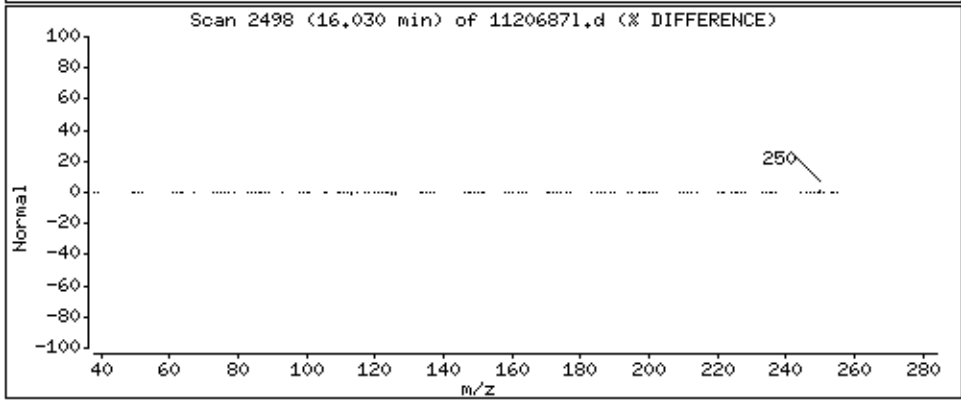
90 Benzo(a)pyrene

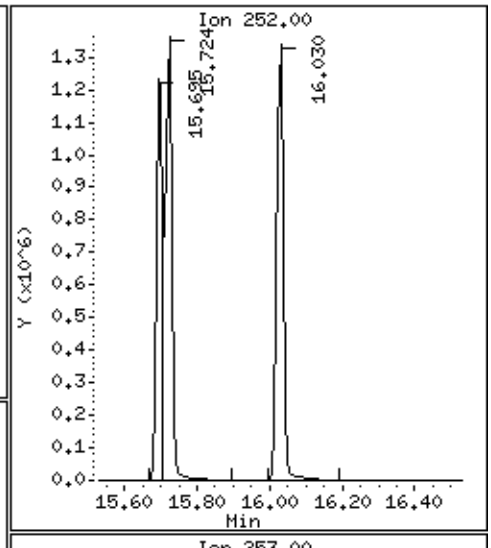
Concentration: 2719 ug/Kg

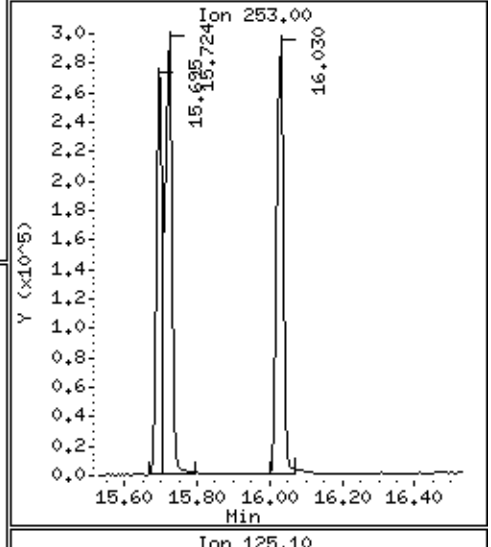


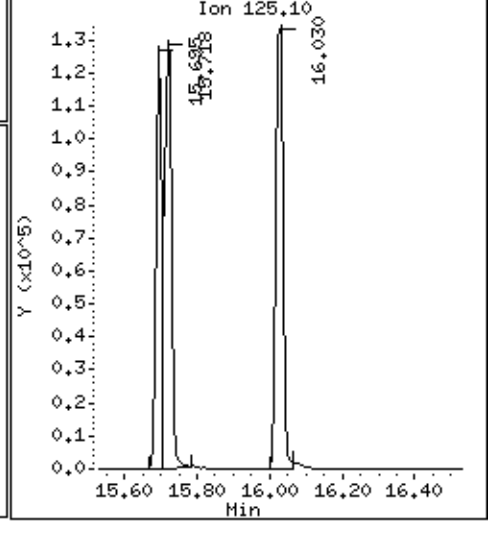












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

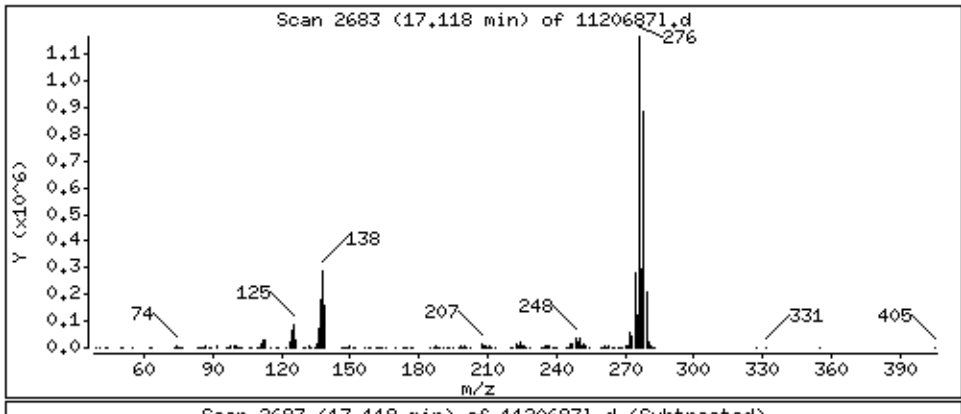
Operator: SN

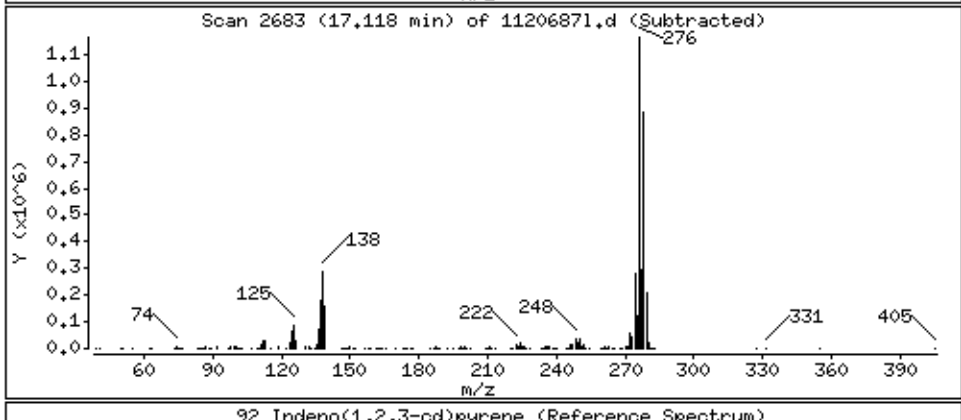
Column phase: .50um DB-5ms

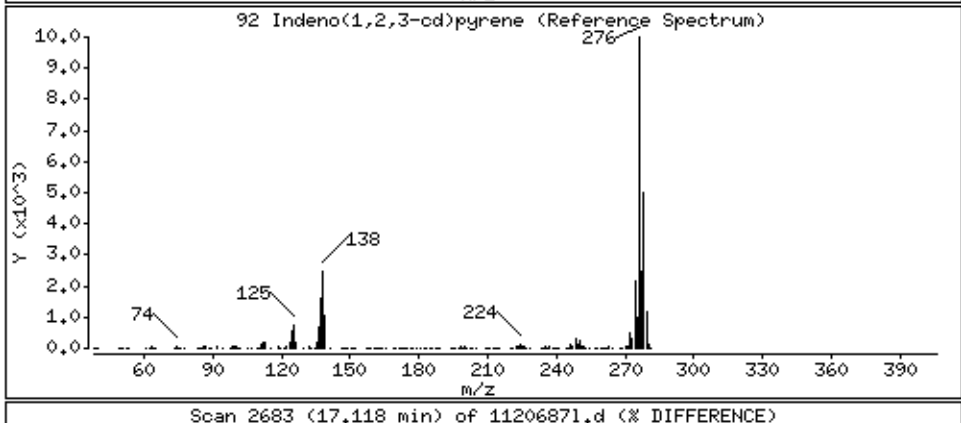
Column diameter: 0.25

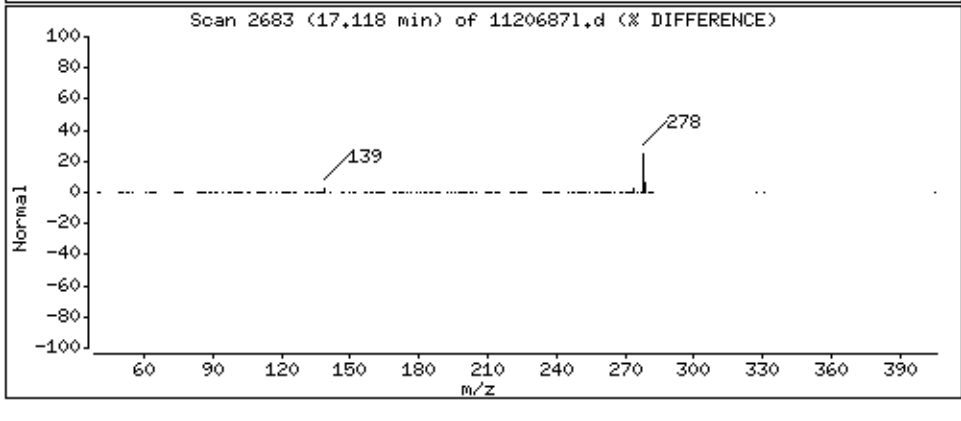
92 Indeno(1,2,3-cd)pyrene

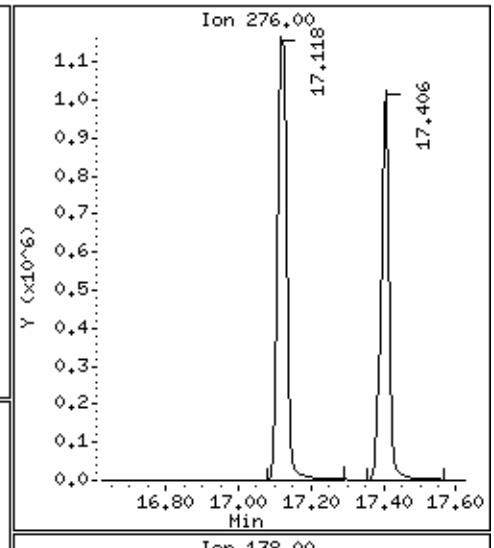
Concentration: 2632 ug/Kg

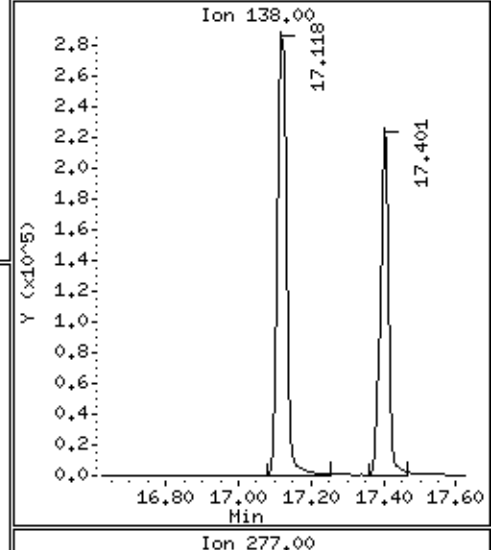


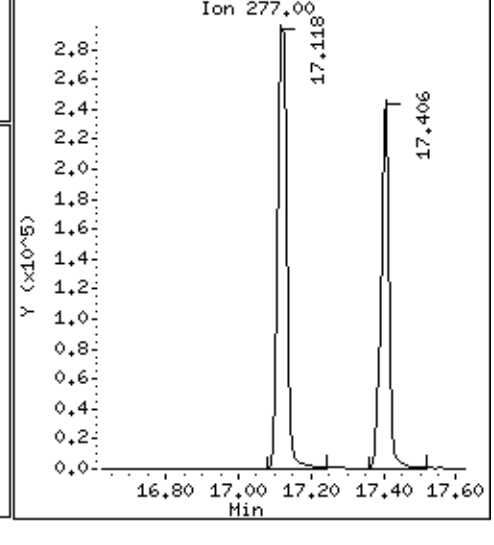












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

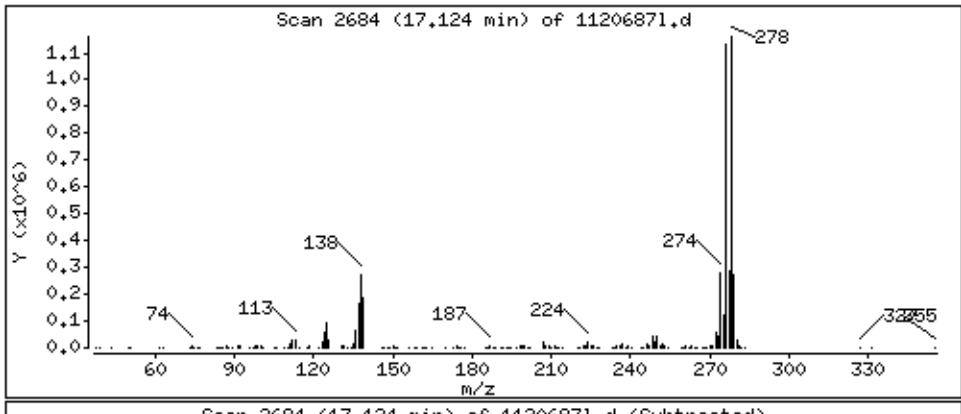
Operator: SN

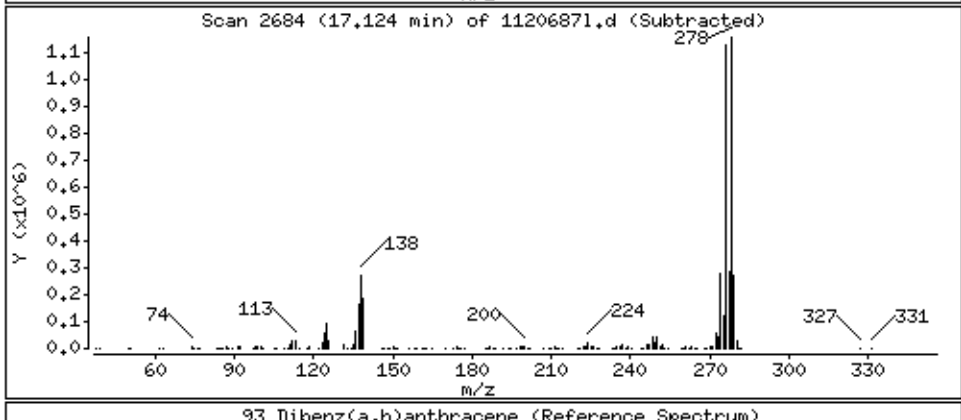
Column phase: .50um DB-5ms

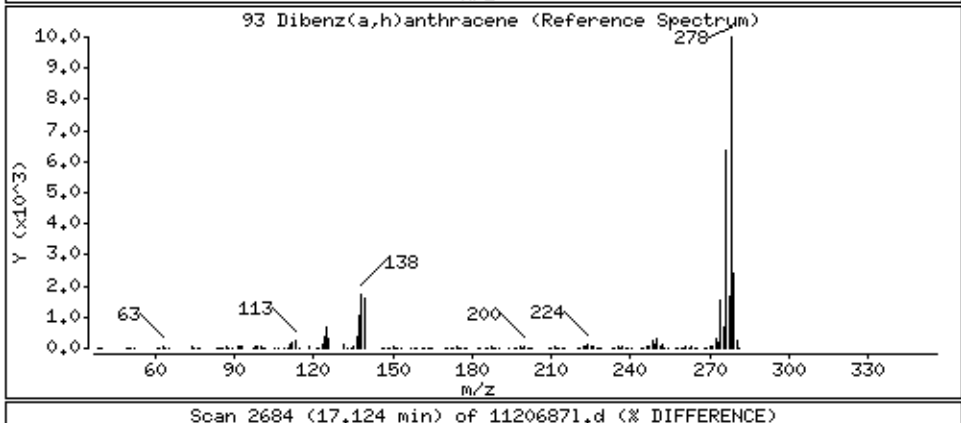
Column diameter: 0.25

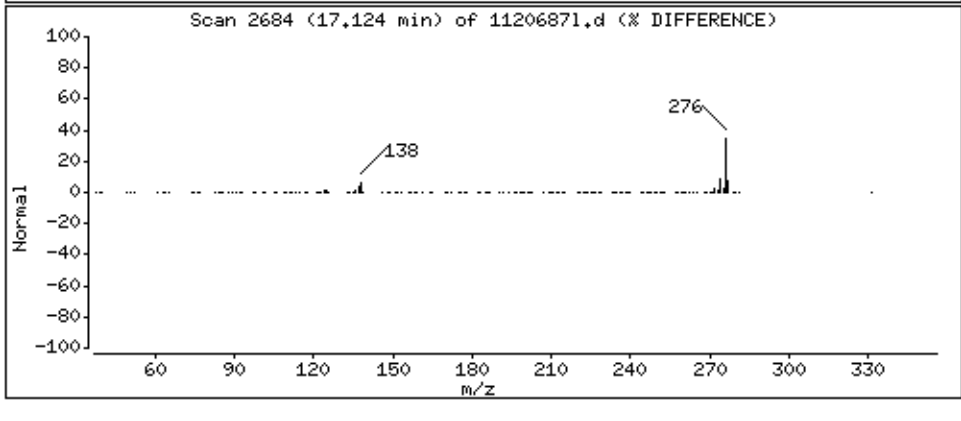
93 Dibenz(a,h)anthracene

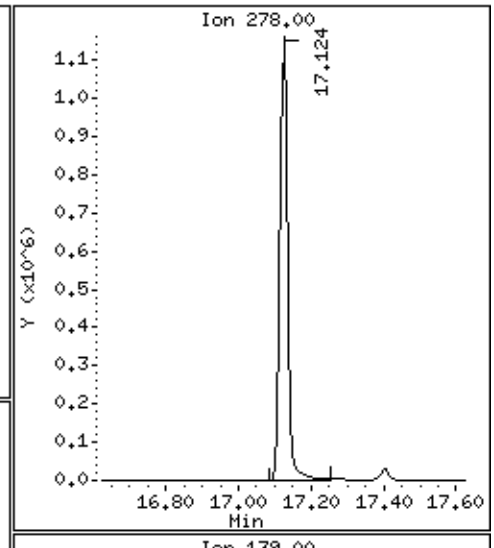
Concentration: 2694 ug/Kg

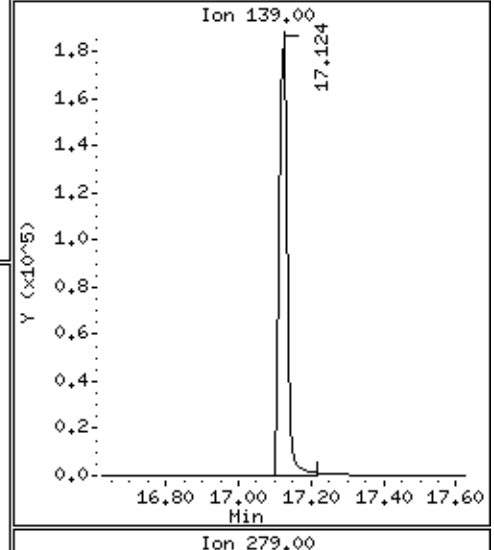


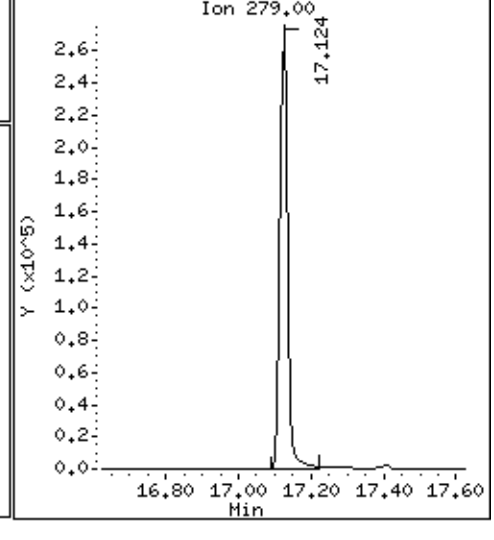












Data File: \\192.168.50.6\chem\50MSS2.i\070114.b\11206871.d

Date : 01-JUL-2014 15:35

Client ID: MBLCS

Instrument: 50MSS2.i

Sample Info: 1120687

Volume Injected (uL): 1.0

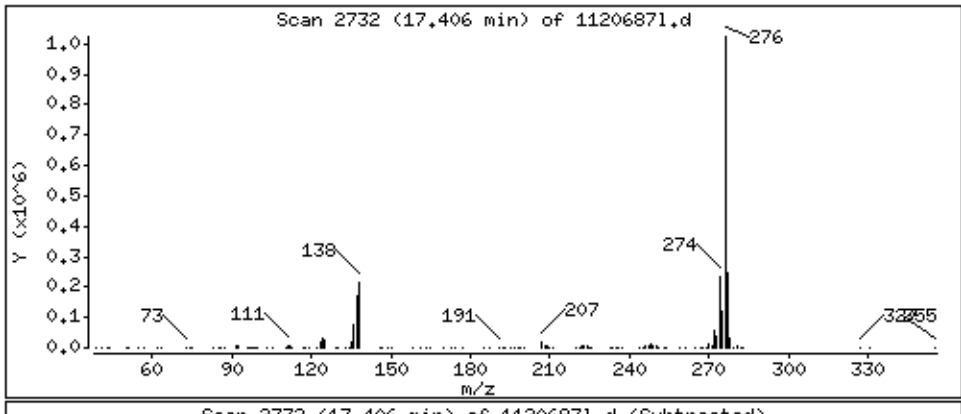
Operator: SN

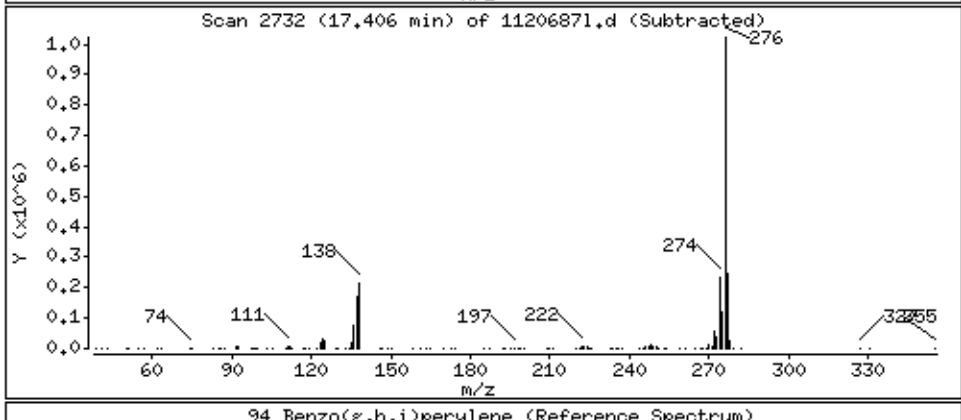
Column phase: .50um DB-5ms

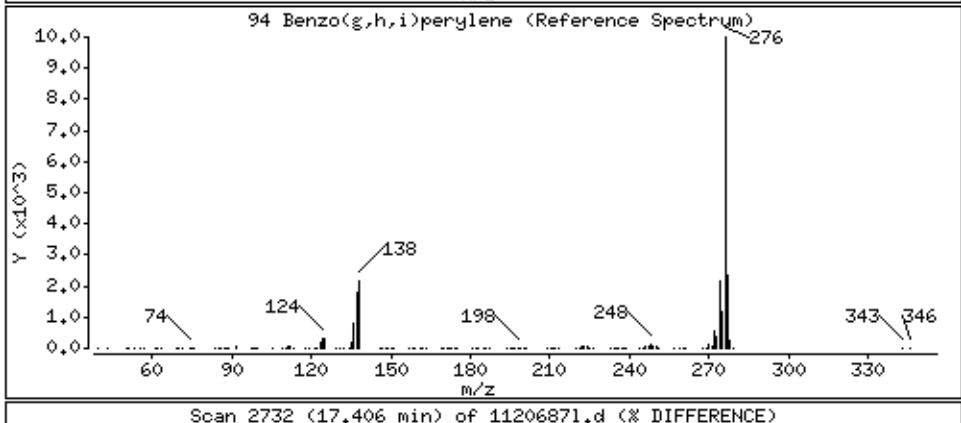
Column diameter: 0.25

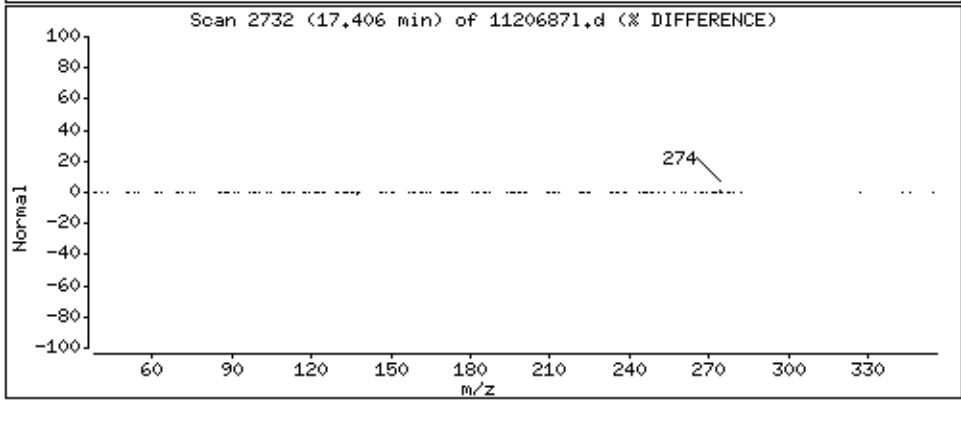
94 Benzo(g,h,i)perylene

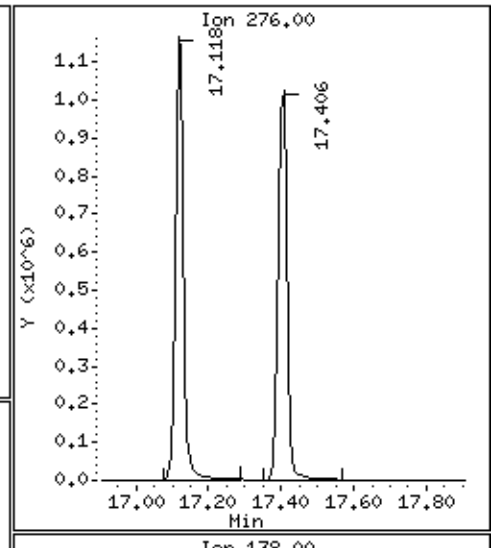
Concentration: 2619 ug/Kg

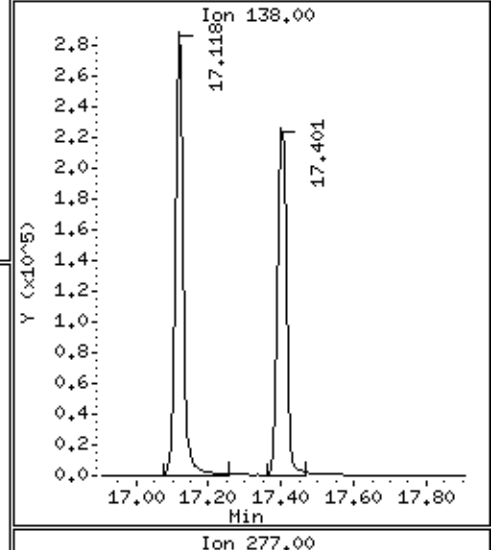


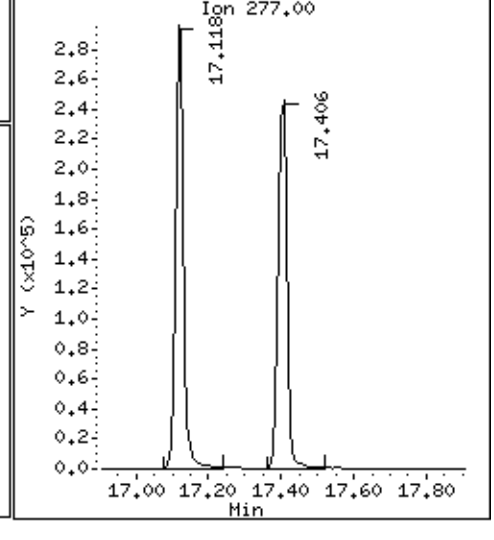












Prep Log Report

Batch Information: OEXT 232114 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	07/01/2014 11:55:33:374	Spiked By	JGJ	Vialed By	KEO	Vialed By Date	07/01/2014 13:49:57:341
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	**1120686**	30.0	1.0		57572 (1)	
8270 SSM_P	LCS	**1120687**	30.0	1.0		57572 (1)	71550 (1)
8270 SSM_P	PS	**50100101001**	30.4	1.0		57572 (1)	
8270 SSM_P	MS	**1120688**	30.2	1.0		57572 (1)	71550 (1)
8270 SSM_P	MSD	**1120689**	30.1	1.0		57572 (1)	71550 (1)
8270 SSM_P	PS	**50100101002**	30.3	1.0		57572 (1)	
8270 SSM_P	PS	**50100101003**	30.0	1.0		57572 (1)	
8270 SSM_P	PS	**50100101004**	30.0	1.0		57572 (1)	
8270 SSM_P	PS	**50100101005**	30.0	1.0		57572 (1)	
8270 SSM_P	PS	**50100101006**	30.0	1.0		57572 (1)	
8270 SSM_P	PS	**50100101007**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765011**	30.4	1.0		57573 (1)	
8270 SSM_P	PS	**5099916007**	30.4	1.0		57573 (1)	
8270 SSM_P	PS	**5099933001**	30.4	1.0		57573 (1)	
8270 SSM_P	PS	**5099559002**	30.4	1.0		57573 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

57573: NEW working conc. stock from O2Si

71550: 8270 regular list spike

Prep Log Report

Batch Information: OEXT 231493 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	06/26/2014 13:03:00	Spiked By	MLD	Vialed By	MLD	Vialed By Date	06/26/2014 14:25:41:120
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	**1117918**	30.0	1.0		57572 (1)	
8270 SSM_P	LCS	**1117919**	30.0	1.0		57572 (1)	70722 (1)
8270 SSM_P	PS	**5099765001**	30.1	1.0		57572 (1)	
8270 SSM_P	PS	**5099765002**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765003**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765004**	30.3	1.0		57572 (1)	
8270 SSM_P	PS	**5099765005**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099765006**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099765007**	30.3	1.0		57572 (1)	
8270 SSM_P	PS	**5099765008**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765009**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765010**	30.3	1.0		57572 (1)	
8270 SSM_P	PS	**5099765011**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099765012**	30.0	1.0		57572 (1)	
8270 SSM_P	PS	**5099765013**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099765014**	30.2	1.0		57572 (1)	
8270 SSM_P	PS	**5099765015**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099856001**	30.3	1.0		57572 (1)	
8270 SSM_P	PS	**5099856002**	30.1	1.0		57572 (1)	
8270 SSM_P	MS	**1117920**	30.4	1.0		57572 (1)	70722 (1)
8270 SSM_P	MSD	**1117921**	30.4	1.0		57572 (1)	70722 (1)

Prep Log Report

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	**5099856003**	30.4	1.0		57572 (1)	
8270 SSM_P	PS	**5099856004**	30.0	1.0		57572 (1)	

Standard Notes:

57572: 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	6/27/14	12:19	SN	
1/dftpp-a.d	TUNE,71356:1	G/	DFTPP	1	sw846tun	6/27/14	12:42	SN	GOOD
1/5ppm.d	CAL2,71347:1	L/	CALIB_2	1	8270c	6/27/14	13:04	SN	
1/10ppm.d	CAL3,71348:1	L/	CALIB_3	1	8270c	6/27/14	13:27	SN	
1/20ppm.d	CAL4,71349:1	L/	CALIB_4	1	8270c	6/27/14	13:49	SN	
1/50ppm.d	CAL5,71350:1	L/	CALIB_5	1	8270c	6/27/14	14:12	SN	
1/100ppm.d	CAL6,71351:1	L/	CALIB_6	1	8270c	6/27/14	14:34	SN	GOOD
1/150ppm.d	CAL7,71352:1	L/	CALIB_7	1	8270c	6/27/14	14:57	SN	CURVE
1/175ppm.d	CAL8,71353:1	L/	CALIB_8	1	8270c	6/27/14	15:19	SN	
1/200ppm.d	CAL9,71354:1	L/	CALIB_9	1	8270c	6/27/14	15:42	SN	
1/100ppm-icv.d	ICV,71355:1	L/	LCS	1	8270c	6/27/14	16:04	SN	GOOD
1/71549-tclpspk.d	71549-tclpspk	L/	SAMPLE	1	8270c	6/27/14	16:27	SN	GOOD
1/71550-bnaspk.d	71550-bnaspk	L/	SAMPLE	1	8270c	6/27/14	16:50	SN	ReRun
1/1117918b.d	1117918	S/15586	BLANK	1	8270c	6/27/14	17:12	SN	
1/1117919l.d	1117919	S/15586	LCS	1	8270c	6/27/14	17:35	SN	
1/5099765001.d	5099765001	S/15586	SAMPLE	1	8270c	6/27/14	17:57	SN	
1/5099765002.d	5099765002	S/15586	SAMPLE	1	8270c	6/27/14	18:20	SN	
1/5099765003.d	5099765003	S/15586	SAMPLE	1	8270c	6/27/14	18:42	SN	
1/5099765004.d	5099765004	S/15586	SAMPLE	1	8270c	6/27/14	19:05	SN	
1/5099765005.d	5099765005	S/15586	SAMPLE	1	8270c	6/27/14	19:27	SN	
1/5099765006.d	5099765006	S/15586	SAMPLE	1	8270c	6/27/14	19:50	SN	
1/5099765007.d	5099765007	S/15586	SAMPLE	1	8270c	6/27/14	20:12	SN	
1/5099765008.d	5099765008	S/15586	SAMPLE	1	8270c	6/27/14	20:35	SN	
1/5099765009.d	5099765009	S/15586	SAMPLE	1	8270c	6/27/14	20:57	SN	
1/5099765010.d	5099765010	S/15586	SAMPLE	1	8270c	6/27/14	21:20	SN	
1/5099765011.d	5099765011	S/15586	SAMPLE	1	8270c	6/27/14	21:42	SN	
1/5099765012.d	5099765012	S/15586	SAMPLE	1	8270c	6/27/14	22:05	SN	
1/5099765013.d	5099765013	S/15586	SAMPLE	1	8270c	6/27/14	22:27	SN	
1/5099765014.d	5099765014	S/15586	SAMPLE	1	8270c	6/27/14	22:50	SN	
1/5099765015.d	5099765015	S/15586	SAMPLE	1	8270c	6/27/14	23:12	SN	
1/5099856001.d	5099856001	S/15586	SAMPLE	1	8270c	6/27/14	23:35	SN	
1/5099856002.d	5099856002	S/15586	SAMPLE	1	8270c	6/27/14	23:58	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\062714cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:58 06/30/2014

SN
06 30 14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 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	6/28/14	00:20	SN	
1/dftpp-b.d	TUNE,71356:1	G/	DFTPP	1	sw846tun	6/28/14	00:43	SN	GOOD
1/100ppm-a.d	CCV,71602:1	L/	CCALIB_6	1	8270c	6/28/14	01:05	SN	Failed
1/1117920m.d	1117920	S/15586	MS	1	8270c	6/28/14	01:28	SN	
1/1117921d.d	1117921	S/15586	MSD	1	8270c	6/28/14	01:50	SN	
1/5099856003.d	5099856003	S/15586	SAMPLE	1	8270c	6/28/14	02:13	SN	
1/5099856004.d	5099856004	S/15586	SAMPLE	1	8270c	6/28/14	02:36	SN	
1/1118961b.d	1118961	L/15599	BLANK	1	8270c	6/28/14	02:58	SN	
1/1118962l.d	1118962	L/15599	LCS	1	8270c	6/28/14	03:21	SN	
1/5099884001.d	5099884001	L/15599	SAMPLE	1	8270c	6/28/14	03:43	SN	
1/5099355032.d	5099355032	L/15599	SAMPLE	1	8270c	6/28/14	04:06	SN	
1/5099355033.d	5099355033	L/15599	SAMPLE	1	8270c	6/28/14	04:28	SN	
1/5099355034.d	5099355034	L/15599	SAMPLE	1	8270c	6/28/14	04:51	SN	
1/5099355035.d	5099355035	L/15599	SAMPLE	1	8270c	6/28/14	05:14	SN	
1/5099355036.d	5099355036	L/15599	SAMPLE	1	8270c	6/28/14	05:36	SN	
1/5099355037.d	5099355037	L/15599	SAMPLE	1	8270c	6/28/14	05:59	SN	
1/1118963m.d	1118963	L/15599	MS	1	8270c	6/28/14	06:21	SN	
1/1118964d.d	1118964	L/15599	SAMPLE	1	8270c	6/28/14	06:44	SN	
1/5099355038.d	5099355038	L/15599	SAMPLE	1	8270c	6/28/14	07:06	SN	
1/5099919001.d	5099919001	L/15599	SAMPLE	1	8270c	6/28/14	07:29	SN	ReRun
1/5099919002.d	5099919002	L/15599	SAMPLE	1	8270c	6/28/14	07:51	SN	
1/1118956b.d	1118956	L/15601	BLANK	1	8270c	6/28/14	08:14	SN	
1/1118957l.d	1118957	L/15601	LCS	1	8270c	6/28/14	08:37	SN	
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1/5099717001.d	5099717001	S/15601	SAMPLE	1	8270c	6/28/14	09:44	SN	
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1/5099716002.d	5099716002	S/15601	SAMPLE	1	8270c	6/28/14	11:15	SN	
1/5099716003.d	5099716003	S/15601	SAMPLE	1	8270c	6/28/14	11:37	SN	
1/5099867001.d	5099867001	S/15601	SAMPLE	1	8270c	6/28/14	12:00	SN	

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Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:58 06/30/2014 Page: 2

SN
063014

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
1/1119071m.d	1119071	S/15601	MS	1	8270c	6/28/14	12:22	SN	ReRun

File Path 1: \\192.168.50.6\chem\50MSS2.i\062714cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 09:58 06/30/2014

SN
063014

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	6/30/14	12:49	SN	
1/dftpp-a.d	TUNE,71640:1	G/	DFTPP	1	sw846tun	6/30/14	13:11	SN	GOOD
1/5ppm.d	CAL2,71672:1	L/	CALIB_2	1	8270c	6/30/14	13:34	SN	
1/10ppm.d	CAL3,71673:1	L/	CALIB_3	1	8270c	6/30/14	13:56	SN	
1/20ppm.d	CAL4,71674:1	L/	CALIB_4	1	8270c	6/30/14	14:19	SN	
1/50ppm.d	CAL5,71675:1	L/	CALIB_5	1	8270c	6/30/14	14:42	SN	GOOD
1/100ppm.d	CAL6,71676:1	L/	CCALIB_6	1	8270c	6/30/14	15:04	SN	Curve
1/150ppm.d	CAL7,71677:1	L/	CALIB_7	1	8270c	6/30/14	15:27	SN	
1/175ppm.d	CAL8,71678:1	L/	CALIB_8	1	8270c	6/30/14	15:49	SN	
1/200ppm.d	CAL9,71679:1	L/	CALIB_9	1	8270c	6/30/14	16:12	SN	
1/100ppm-icv.d	ICV,71680:1	L/	LCS	1	8270c	6/30/14	16:35	SN	GOOD
1/71550-bnaspk.d	71550-bnaspk	L/	SAMPLE	1	8270c	6/30/14	16:57	SN	GOOD
1/1117920m.d	1117920	S/15586	MS	1	8270c	6/30/14	17:20	SN	
1/1117921d.d	1117921	S/15586	MSD	1	8270c	6/30/14	17:43	SN	
1/5099856003.d	5099856003	S/15586	SAMPLE	1	8270c	6/30/14	18:05	SN	
1/5099856004.d	5099856004	S/15586	SAMPLE	1	8270c	6/30/14	18:28	SN	
1/1118956b.d	1118956	L/15601	BLANK	1	8270c	6/30/14	18:50	SN	
1/1118957l.d	1118957	L/15601	LCS	1	8270c	6/30/14	19:13	SN	
1/5099473001.d	5099473001	S/15601	SAMPLE	1	8270c	6/30/14	19:35	SN	
1/1118958m.d	1118958	S/15601	MS	1	8270c	6/30/14	19:58	SN	
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1/5099716001.d	5099716001	S/15601	SAMPLE	1	8270c	6/30/14	21:06	SN	
1/1118960m.d	1118960	S/15601	MS	1	8270c	6/30/14	21:28	SN	
1/5099716002.d	5099716002	S/15601	SAMPLE	1	8270c	6/30/14	21:51	SN	
1/5099716003.d	5099716003	S/15601	SAMPLE	1	8270c	6/30/14	22:13	SN	
1/5099867001.d	5099867001	S/15601	SAMPLE	1	8270c	6/30/14	22:36	SN	
1/1119071m.d	1119071	S/15601	MS	1	8270c	6/30/14	22:59	SN	
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1/1120074l.d	1120074	L/15607	LCS	1	8270c	6/30/14	23:44	SN	
1/50100046001.d	50100046001	L/15607	SAMPLE	1	8270c	7/01/14	00:06	SN	re extract
1/50100046002.d	50100046002	L/15607	SAMPLE	1	8270c	7/01/14	00:29	SN	x 10 more

File Path 1: \\192.168.50.6\chem\50MSS2.i\063014cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:40 07/01/2014 Page: 1

SN
070114

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	7/01/14	00:51	SN	
1/dftpp-b.d	TUNE,71640:1	G/	DFTPP	1	sw846tun	7/01/14	01:14	SN	GOOD
1/100ppm-a.d	CCV,71647:1	L/	CCALIB_6	1	8270c	7/01/14	01:36	SN	GOOD
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1/1118962l.d	1118962	L/15599	LCS	1	8270c	7/01/14	02:22	SN	
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1/5099355033.d	5099355033	L/15599	SAMPLE	1	8270c	7/01/14	03:29	SN	
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1/5099355035.d	5099355035	L/15599	SAMPLE	1	8270c	7/01/14	04:15	SN	reextract
1/5099355036.d	5099355036	L/15599	SAMPLE	1	8270c	7/01/14	04:37	SN	
1/5099355037.d	5099355037	L/15599	SAMPLE	1	8270c	7/01/14	05:00	SN	
1/1118963m.d	1118963	L/15599	MS	1	8270c	7/01/14	05:22	SN	
1/1118964d.d	1118964	L/15599	MSD	1	8270c	7/01/14	05:45	SN	
1/5099355038.d	5099355038	L/15599	SAMPLE	1	8270c	7/01/14	06:08	SN	
1/5099919001.d	5099919001	L/15599	SAMPLE	1	8270c	7/01/14	06:30	SN	
1/5099919002.d	5099919002	L/15599	SAMPLE	1	8270c	7/01/14	06:53	SN	~~reextract~~
1/1120061b.d	1120061	L/15610	BLANK	1	8270c	7/01/14	07:15	SN	
1/1120062l.d	1120062	L/15610	LCS	1	8270c	7/01/14	07:38	SN	
1/5099355040.d	5099355040	L/15610	SAMPLE	1	8270c	7/01/14	08:00	SN	
1/5099355041.d	5099355041	L/15610	SAMPLE	1	8270c	7/01/14	08:23	SN	reextract
1/5099355042.d	5099355042	L/15610	SAMPLE	1	8270c	7/01/14	08:46	SN	
1/5099355043.d	5099355043	L/15610	SAMPLE	1	8270c	7/01/14	09:43	SN	
1/5099355044.d	5099355044	L/15610	SAMPLE	1	8270c	7/01/14	10:06	SN	
1/5099355045.d	5099355045	L/15610	SAMPLE	1	8270c	7/01/14	10:29	SN	
1/5099355046.d	5099355046	L/15610	SAMPLE	1	8270c	7/01/14	10:52	SN	reextract
1/5099355047.d	5099355047	L/15610	SAMPLE	1	8270c	7/01/14	11:15	SN	reextract
1/5099355037r.d	5099355037	L/15610	SAMPLE	1	8270c	7/01/14	11:38	SN	
1/1121038m.d	1121038	L/15610	MSD	1	8270c	7/01/14	12:02	SN	
1/1121037d.d	1121037	L/15610	MS	1	8270c	7/01/14	12:25	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\063014cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:41 07/01/2014 Page: 2

SN
070114

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	7/01/14	12:57	SN	
1/dftpp-a.d	TUNE,71640:1	G/	DFTPP	1	sw846tun	7/01/14	13:19	SN	Good
1/100ppm-a.d	CCV,71647:1	L/	CCALIB_6	1	8270c	7/01/14	13:42	SN	Good
1/71738-tclpspike.d	71738-tclpspike	L/	SAMPLE	1	8270c	7/01/14	14:05	SN	
1/blank.d	blank	L/	BLANK	1	8270c	7/01/14	14:27	SN	
1/lcs.d	lcs	L/	LCS	1	8270c	7/01/14	14:50	SN	
1/1120686b.d	1120686	S/15623	BLANK	1	8270c	7/01/14	15:12	SN	
1/1120687l.d	1120687	S/15623	LCS	1	8270c	7/01/14	15:35	SN	
1/50100101001.d	50100101001	S/15623	SAMPLE	1	8270c	7/01/14	15:58	SN	
1/1120688m.d	1120688	S/15623	MS	1	8270c	7/01/14	16:20	SN	
1/1120689d.d	1120689	S/15623	MSD	1	8270c	7/01/14	16:43	SN	
1/50100101002.d	50100101002	S/15623	SAMPLE	1	8270c	7/01/14	17:05	SN	
1/50100101003.d	50100101003	S/15623	SAMPLE	1	8270c	7/01/14	17:28	SN	
1/50100101004x5.d	50100101004x5	S/15623	SAMPLE	5	8270c	7/01/14	17:50	SN	
1/50100101005x5.d	50100101005x5	S/15623	SAMPLE	5	8270c	7/01/14	18:13	SN	
1/50100101006.d	50100101006	S/15623	SAMPLE	1	8270c	7/01/14	18:36	SN	
1/50100101007.d	50100101007	S/15623	SAMPLE	1	8270c	7/01/14	18:58	SN	
1/5099916007r.d	5099916007	L/15623	SAMPLE	1	8270c	7/01/14	19:21	SN	
1/5099933001rx.d	5099933001x5	L/15623	SAMPLE	5	8270c	7/01/14	19:43	SN	10X MDL
1/5099559002r.d	5099559002	L/15623	SAMPLE	1	8270c	7/01/14	20:06	SN	
1/5099765011rx.d	5099765011x5	L/15623	SAMPLE	5	8270c	7/01/14	20:29	SN	
1/1120726b.d	1120726	L/15621	BLANK	1	8270c	7/01/14	20:51	SN	
1/1120727l.d	1120727	L/15621	LCS	1	8270c	7/01/14	21:14	SN	
1/5099995001.d	5099995001	S/15621	SAMPLE	1	8270c	7/01/14	21:36	SN	
1/1120728m.d	1120728	S/15621	MS	1	8270c	7/01/14	21:59	SN	
1/5099995002.d	5099995002	S/15621	SAMPLE	1	8270c	7/01/14	22:21	SN	
1/5099995003.d	5099995003	S/15621	SAMPLE	1	8270c	7/01/14	22:44	SN	
1/5099995004.d	5099995004	S/15621	SAMPLE	1	8270c	7/01/14	23:06	SN	
1/50100046002x.d	50100046002x10	L/15607	SAMPLE	10	8270c	7/01/14	23:29	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 07:32 07/02/2014

CEM 7.2.14

PCB - FORM II SVOA-1
SOLID SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50GCS8

LAB SAMPLE ID	SAMPLE NAME	TCMX
1118946	1118946BLANK	92
1118947	1118947LCS	87
1118948	1118948MS	83
1118949	1118949MSD	82
1120063	1120063BLANK	84
1120064	1120064LCS	85
1120065	1120065MS	81
1120066	1120066MSD	66
1123362	1123362BLANK	79
1123363	1123363LCS	59
5099765001	P-10 (2-4)	82
5099765002	P-10 (12-14)	79
5099765003	TMW-10 (3-5)	90
5099765004	TMW-10 (10-12)	85
5099765005	TMW-2 (3-5)	81
5099765006	TMW-2 (13-15)	72
5099765007	P-1 (1-3)	81
5099765008	P-1 (18-20)	75
5099765009	TMW-1 (1-3)	79
5099765010	TMW-1 (11-13)	80
5099765011	TMW-8 (1-3)	64
5099765012	TMW-8 (10-12)	88
5099765013	P-2 (1-3)	74
5099765014	P-2 (18-20)	78
5099765015	Subsurf-Dup	79

	QC LIMITS
(TCMX) = Tetrachloro-m-xylene (S)	(30-106)

* Values outside of QC Limits

PCB - FORM III SVOA-1

SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1118947LCS
Date Extracted: 06/27/2014
Date Analyzed (1): 07/01/2014
Instrument: 50GCS8
LCS Lot No: 69573
Lab File ID: 070114.B\048B4601.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	130	78	42-100
PCB-1260 (Aroclor 1260)	167	135	81	40-106

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1120064LCS
Date Extracted: 06/30/2014
Date Analyzed (1): 07/01/2014
Instrument: 50GCS8
LCS Lot No: 69573
Lab File ID: 070114.B\072B7101.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	137	82	42-100
PCB-1260 (Aroclor 1260)	167	147	88	40-106

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1123363LCS
Date Extracted: 07/07/2014
Date Analyzed (1): 07/08/2014
Instrument: 50GCS8
LCS Lot No: 69573
Lab File ID: 070814.B\022B1701.D
SDG No.: 5099765

COMPOUND	AMOUNT ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	167	113	68	42-100
PCB-1260 (Aroclor 1260)	167	122	73	40-106

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1118948MS
Date Extracted: 06/27/2014
Date Analyzed (1): 07/01/2014
Instrument: 50GCS8
Lab File ID: 070114.B\057B5501.D
Parent Sample ID: P-10 (2-4)
SDG No.: 5099765

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	186	ND	138	74	10-145
PCB-1260 (Aroclor 1260)	186	ND	133	71	16-132

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-2

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1118949MSD

Lab File ID (2): 070114.B\058B5601.D Date Analyzed (2): 07/01/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1016 (Aroclor 1016)	185	139	75	1	0-20	10-145
PCB-1260 (Aroclor 1260)	185	131	71	1	0-20	16-132

RPD: 0 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-1

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1120065MS
Date Extracted: 06/30/2014
Date Analyzed (1): 07/01/2014
Instrument: 50GCS8
Lab File ID: 070114.B\074B7301.D
Parent Sample ID: P-2 (18-20)
SDG No.: 5099765

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS %REC	QC LIMITS REC.
PCB-1016 (Aroclor 1016)	187	ND	141	75	10-145
PCB-1260 (Aroclor 1260)	187	ND	143	76	16-132

Spike Recovery: 0 out of 2 outside limits.

PCB - FORM III SVOA-2

SOLID SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50GCS8 Matrix Spike Duplicate - Sample No: 1120066MSD

Lab File ID (2): 070114.B\075B7401.D Date Analyzed (2): 07/01/2014

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
PCB-1016 (Aroclor 1016)	188	114	61	21	0-20	10-145
PCB-1260 (Aroclor 1260)	188	126	67	13	0-20	16-132

RPD: 1 out of 2 outside limits.

Spike Recovery: 0 out of 2 outside limits.

SAMPLE NO.

1118946BLANK

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1118946

Lab File ID: 070114.B\047B4501.D Date Analyzed: 07/01/2014 Time: 17:03

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1118947LCS	1118947	070114.B\048B4601.D	07/01/2014 17:09
P-10 (2-4)	5099765001	070114.B\056B5401.D	07/01/2014 17:55
1118948MS	1118948	070114.B\057B5501.D	07/01/2014 18:01
1118949MSD	1118949	070114.B\058B5601.D	07/01/2014 18:07
P-10 (12-14)	5099765002	070114.B\059B5701.D	07/01/2014 18:13
TMW-10 (3-5)	5099765003	070114.B\060B5801.D	07/01/2014 18:18
TMW-10 (10-12)	5099765004	070114.B\061B5901.D	07/01/2014 18:24
TMW-2 (3-5)	5099765005	070114.B\062B6001.D	07/01/2014 18:30
TMW-2 (13-15)	5099765006	070114.B\063B6101.D	07/01/2014 18:36
P-1 (18-20)	5099765008	070114.B\065B6301.D	07/01/2014 18:47
TMW-1 (1-3)	5099765009	070114.B\066B6401.D	07/01/2014 18:53
TMW-1 (11-13)	5099765010	070114.B\067B6501.D	07/01/2014 18:59
TMW-8 (10-12)	5099765012	070114.B\069B6701.D	07/01/2014 19:11
P-2 (1-3)	5099765013	070114.B\070B6801.D	07/01/2014 19:16
P-1 (1-3)	5099765007	070214.B\029B2401.D	07/02/2014 22:57

SAMPLE NO.

1120063BLANK

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1120063

Lab File ID: 070114.B\071B7001.D Date Analyzed: 07/01/2014 Time: 19:28

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1120064LCS	1120064	070114.B\072B7101.D	07/01/2014 19:34
P-2 (18-20)	5099765014	070114.B\073B7201.D	07/01/2014 19:40
1120065MS	1120065	070114.B\074B7301.D	07/01/2014 19:45
1120066MSD	1120066	070114.B\075B7401.D	07/01/2014 19:51
Subsurf-Dup	5099765015	070114.B\076B7501.D	07/01/2014 19:57

SAMPLE NO.

1123362BLANK

PCB - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 5099765 Contract: Sibley-Accucast

Instrument ID: 50GCS8 Matrix: Solid Lab Sample ID: 1123362

Lab File ID: 070814.B\021B1601.D Date Analyzed: 07/08/2014 Time: 14:32

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1123363LCS	1123363	070814.B\022B1701.D	07/08/2014 14:38
TMW-8 (1-3)	5099765011	070814.B\044B3901.D	07/08/2014 16:45

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099765

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.

PCB - FORM VI SVOA-2

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099765

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.

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 2 SDG No.: 5099765

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.: 5099765

Calibration Date(s): 06/18/2014 06/18/2014 Calibration Time(s): 17:02 17:36

LAB FILE ID

CAL1A = 061814CAL.B\011B2101.D CAL2A = 061814CAL.B\012B2201.D CAL3A = 061814CAL.B\013B2301.D

CAL4A = 061814CAL.B\014B2401.D CAL5A = 061814CAL.B\015B2501.D CAL6A = 061814CAL.B\016B2601.D

CAL7A = 061814CAL.B\017B2701.D

COMPOUND	PEAK	$\overline{RF}$	%RSD
Aroclor 1016		2731857.6	4.51
Aroclor 1016		5560010.1	5.28
Aroclor 1016		2464344.7	5.49
Aroclor 1016		1687039.7	6.39
Aroclor 1016		2431194.4	4.74
Aroclor 1260		3701235.6	4.22
Aroclor 1260		4447727.4	3.85
Aroclor 1260		3635936.0	4.39
Aroclor 1260		6002253.2	7.71
Aroclor 1260		2115355.2	5.27
Tetrachloro-m-xylene		73025538.	7.45

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

PCB - FORM VI SVOA-1

PCB INITIAL CALIBRATION RETENTION TIME (MULTIPOINT)

Lab Name: Pace Analytical - Indiana Instrument ID: 50GCS8 GC Column: Col 1 SDG No.: 5099765

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.

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.: 5099765

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.

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.: 5099765

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.

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.: 5099765

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.

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.: 5099765

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.: 5099765

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.

SAMPLE NO.

6872693ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

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.: 5099765

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.

SAMPLE NO.

6872715ICV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

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.: 5099765

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.

SAMPLE NO.

6923482CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/01/2014 Time: 16:58

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070114.B\011B4401.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	2710528.00	-0.7808
PCB-1016 (Aroclor 1016) (2)		1.492	1.476	1.506	5560010.13	5393358.00	-2.9973
PCB-1016 (Aroclor 1016) (3)		1.528	1.512	1.542	2464344.79	2502508.00	1.5486
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1658410.00	-1.6970
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2267856.00	-6.7184
PCB-1260 (Aroclor 1260) (1)		2.1	2.086	2.116	3701235.65	3271902.00	-11.5997
PCB-1260 (Aroclor 1260) (2)		2.161	2.148	2.178	4447727.44	4090870.00	-8.0234
PCB-1260 (Aroclor 1260) (3)		2.385	2.371	2.401	3635936.00	3362336.00	-7.5249
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6197958.00	3.2605
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2131566.00	0.7663
Tetrachloro-m-xylene (S)		.775	.736	.796	73025538.8	80227270.0	9.8619

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

SAMPLE NO.

6923484CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana Calibration Date: 07/01/2014 Time: 19:22

Instrument ID: 50GCS8 GC Column: Col 2 Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070114.B\011B6901.D Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	2851086.00	4.3644
PCB-1016 (Aroclor 1016) (2)		1.491	1.476	1.506	5560010.13	5581962.00	0.3948
PCB-1016 (Aroclor 1016) (3)		1.528	1.512	1.542	2464344.79	2757382.00	11.8911
PCB-1016 (Aroclor 1016) (4)		1.58	1.565	1.595	1687039.74	1846382.00	9.4451
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2541536.00	4.5386
PCB-1260 (Aroclor 1260) (1)		2.099	2.086	2.116	3701235.65	3827846.00	3.4208
PCB-1260 (Aroclor 1260) (2)		2.161	2.148	2.178	4447727.44	4773276.00	7.3194
PCB-1260 (Aroclor 1260) (3)		2.385	2.371	2.401	3635936.00	3896690.00	7.1716
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6725920.00	12.0566
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2308806.00	9.1451
Tetrachloro-m-xylene (S)		.772	.736	.796	73025538.8	82013060.0	12.3074

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

SAMPLE NO.

6923485CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/01/2014 Time: 21:47

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070114.B\011B9401.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.295	1.276	1.306	2731857.60	3010886.00	10.2139
PCB-1016 (Aroclor 1016) (2)		1.493	1.476	1.506	5560010.13	5712218.00	2.7375
PCB-1016 (Aroclor 1016) (3)		1.529	1.512	1.542	2464344.79	2850508.00	15.6700
PCB-1016 (Aroclor 1016) (4)		1.582	1.565	1.595	1687039.74	1876898.00	11.2539
PCB-1016 (Aroclor 1016) (5)		1.702	1.684	1.714	2431194.41	2616910.00	7.6389
PCB-1260 (Aroclor 1260) (1)		2.099	2.086	2.116	3701235.65	3895206.00	5.2407
PCB-1260 (Aroclor 1260) (2)		2.16	2.148	2.178	4447727.44	4844316.00	8.9167
PCB-1260 (Aroclor 1260) (3)		2.386	2.371	2.401	3635936.00	3951814.00	8.6877
PCB-1260 (Aroclor 1260) (4)		2.579	2.566	2.596	6002253.28	6827944.00	13.7563
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2406154.00	13.7470
Tetrachloro-m-xylene (S)		.77	.736	.796	73025538.8	82828760.0	13.4244

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

SAMPLE NO.

6930528CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/02/2014 Time: 22:05

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070214.B\011B1501.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.294	1.276	1.306	2731857.60	3112466.00	13.9322
PCB-1016 (Aroclor 1016) (2)		1.493	1.476	1.506	5560010.13	5677930.00	2.1209
PCB-1016 (Aroclor 1016) (3)		1.529	1.512	1.542	2464344.79	2819852.00	14.4260
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1887796.00	11.8999
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2697452.00	10.9517
PCB-1260 (Aroclor 1260) (1)		2.101	2.086	2.116	3701235.65	3936050.00	6.3442
PCB-1260 (Aroclor 1260) (2)		2.163	2.148	2.178	4447727.44	4843746.00	8.9038
PCB-1260 (Aroclor 1260) (3)		2.386	2.371	2.401	3635936.00	3962602.00	8.9844
PCB-1260 (Aroclor 1260) (4)		2.58	2.566	2.596	6002253.28	6685888.00	11.3896
PCB-1260 (Aroclor 1260) (5)		2.741	2.727	2.757	2115355.21	2357278.00	11.4365
Tetrachloro-m-xylene (S)		.774	.736	.796	73025538.8	82324770.0	12.7342

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

SAMPLE NO.

6930530CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/02/2014 Time: 23:49

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070214.B\011B3301.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.296	1.276	1.306	2731857.60	3018424.00	10.4898
PCB-1016 (Aroclor 1016) (2)		1.492	1.476	1.506	5560010.13	5529454.00	-0.5496
PCB-1016 (Aroclor 1016) (3)		1.529	1.512	1.542	2464344.79	2746398.00	11.4454
PCB-1016 (Aroclor 1016) (4)		1.581	1.565	1.595	1687039.74	1840736.00	9.1104
PCB-1016 (Aroclor 1016) (5)		1.7	1.684	1.714	2431194.41	2579480.00	6.0993
PCB-1260 (Aroclor 1260) (1)		2.098	2.086	2.116	3701235.65	3834622.00	3.6038
PCB-1260 (Aroclor 1260) (2)		2.159	2.148	2.178	4447727.44	4757528.00	6.9654
PCB-1260 (Aroclor 1260) (3)		2.384	2.371	2.401	3635936.00	3884656.00	6.8406
PCB-1260 (Aroclor 1260) (4)		2.578	2.566	2.596	6002253.28	6444434.00	7.3669
PCB-1260 (Aroclor 1260) (5)		2.739	2.727	2.757	2115355.21	2223654.00	5.1196
Tetrachloro-m-xylene (S)		.776	.736	.796	73025538.8	80887824.0	10.7665

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

SAMPLE NO.

6930529CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/03/2014 Time: 00:47

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070214.B\011B4301.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.296	1.276	1.306	2731857.60	3092900.00	13.2160
PCB-1016 (Aroclor 1016) (2)		1.493	1.476	1.506	5560010.13	5602548.00	0.7651
PCB-1016 (Aroclor 1016) (3)		1.53	1.512	1.542	2464344.79	2820372.00	14.4471
PCB-1016 (Aroclor 1016) (4)		1.582	1.565	1.595	1687039.74	1906214.00	12.9916
PCB-1016 (Aroclor 1016) (5)		1.701	1.684	1.714	2431194.41	2614842.00	7.5538
PCB-1260 (Aroclor 1260) (1)		2.102	2.086	2.116	3701235.65	3900638.00	5.3875
PCB-1260 (Aroclor 1260) (2)		2.163	2.148	2.178	4447727.44	4841516.00	8.8537
PCB-1260 (Aroclor 1260) (3)		2.387	2.371	2.401	3635936.00	3952372.00	8.7030
PCB-1260 (Aroclor 1260) (4)		2.581	2.566	2.596	6002253.28	6767914.00	12.7562
PCB-1260 (Aroclor 1260) (5)		2.741	2.727	2.757	2115355.21	2421562.00	14.4754
Tetrachloro-m-xylene (S)		.779	.736	.796	73025538.8	82475524.0	12.9407

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

SAMPLE NO.

6940858CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/08/2014 Time: 14:27

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070814.B\011B1501.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.296	1.283	1.313	2731857.60	2952492.00	8.0764
PCB-1016 (Aroclor 1016) (2)		1.494	1.479	1.509	5560010.13	5305636.00	-4.5751
PCB-1016 (Aroclor 1016) (3)		1.53	1.515	1.545	2464344.79	2771740.00	12.4737
PCB-1016 (Aroclor 1016) (4)		1.583	1.568	1.598	1687039.74	1851126.00	9.7263
PCB-1016 (Aroclor 1016) (5)		1.704	1.687	1.717	2431194.41	2555648.00	5.1190
PCB-1260 (Aroclor 1260) (1)		2.103	2.087	2.117	3701235.65	3771816.00	1.9069
PCB-1260 (Aroclor 1260) (2)		2.164	2.147	2.177	4447727.44	4633918.00	4.1862
PCB-1260 (Aroclor 1260) (3)		2.388	2.371	2.401	3635936.00	3786546.00	4.1423
PCB-1260 (Aroclor 1260) (4)		2.582	2.567	2.597	6002253.28	6262152.00	4.3300
PCB-1260 (Aroclor 1260) (5)		2.743	2.727	2.757	2115355.21	2135758.00	0.9645
Tetrachloro-m-xylene (S)		.771	.746	.806	73025538.8	79592440.0	8.9926

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

SAMPLE NO.

6940857CCV

PCB - FORM VII SVOA-1
PCB CALIBRATION VERIFICATION SUMMARY

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/08/2014 Time: 16:51

Instrument ID: 50GCS8 GC Column: Col 2
Init. Calib. Date(s): 06/18/2014 06/18/2014

Lab File ID: 070814.B\011B4001.D
Init. Calib. Time(s): 16:21 17:36

SDG No.: 5099765

COMPOUND	PEAK	RT	RT WINDOW		$\overline{CF}$	CF	%D
			FROM	TO			
PCB-1016 (Aroclor 1016) (1)		1.297	1.283	1.313	2731857.60	2931792.00	7.3186
PCB-1016 (Aroclor 1016) (2)		1.495	1.479	1.509	5560010.13	5358104.00	-3.6314
PCB-1016 (Aroclor 1016) (3)		1.53	1.515	1.545	2464344.79	2789148.00	13.1801
PCB-1016 (Aroclor 1016) (4)		1.583	1.568	1.598	1687039.74	1865312.00	10.5672
PCB-1016 (Aroclor 1016) (5)		1.703	1.687	1.717	2431194.41	2577810.00	6.0306
PCB-1260 (Aroclor 1260) (1)		2.104	2.087	2.117	3701235.65	3128232.00	-15.4814
PCB-1260 (Aroclor 1260) (2)		2.165	2.147	2.177	4447727.44	3818554.00	-14.1460
PCB-1260 (Aroclor 1260) (3)		2.388	2.371	2.401	3635936.00	3041506.00	-16.3487
PCB-1260 (Aroclor 1260) (4)		2.583	2.567	2.597	6002253.28	5255488.00	-12.4414
PCB-1260 (Aroclor 1260) (5)		2.744	2.727	2.757	2115355.21	1783186.00	-15.7028
Tetrachloro-m-xylene (S)		.773	.746	.806	73025538.8	80333488.0	10.0074

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

SAMPLE NO.

P-10 (2-4)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765001

Date Analyzed: 07/01/2014 17:55 Lab File ID: 070114.B\056B5401.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

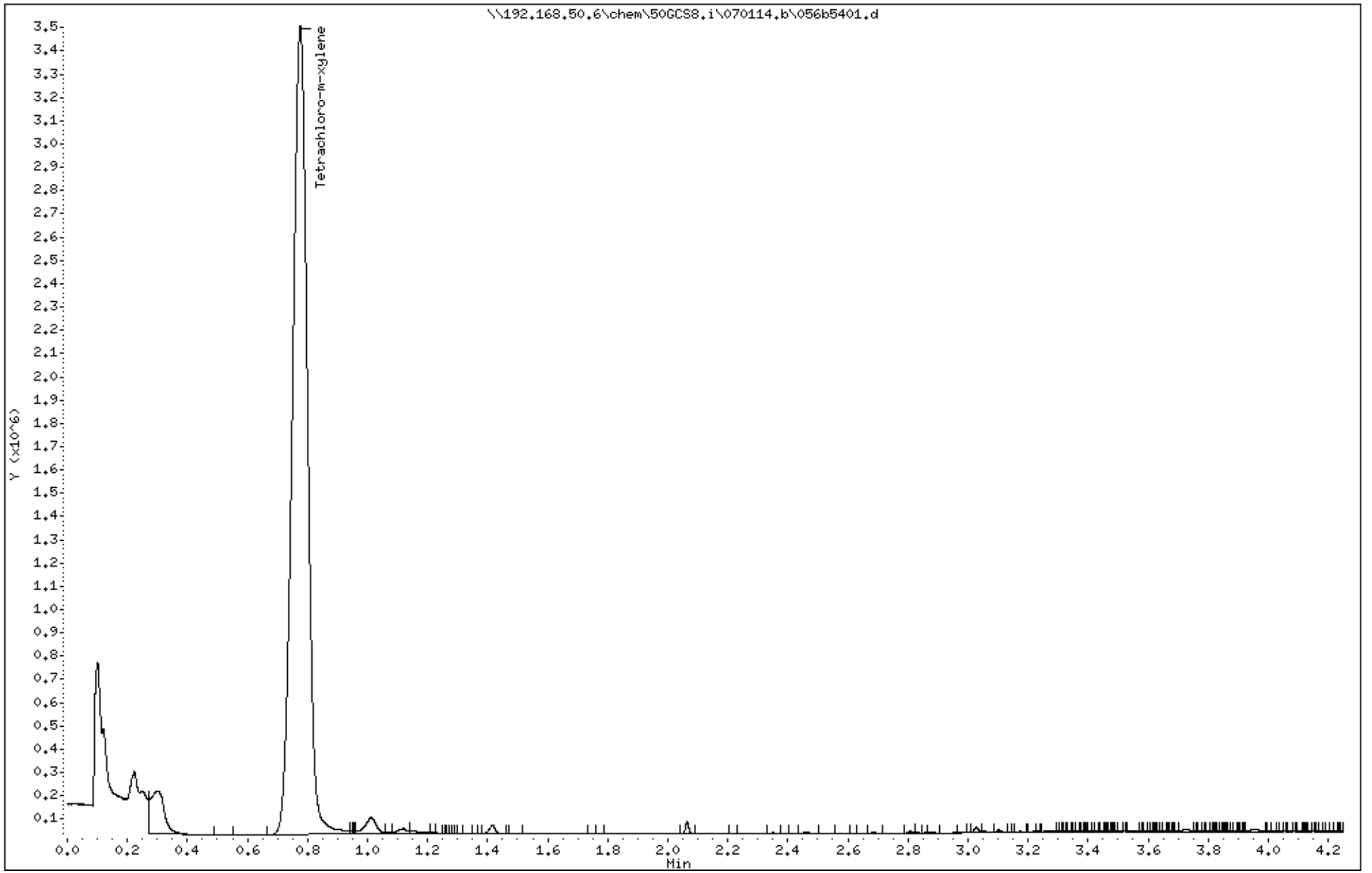
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\056b5401.d
Lab Smp Id: 5099765001 Client Smp ID: P-10 (2-4)
Inj Date : 01-JUL-2014 17:55
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765001,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 56
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	10.137	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.776	0.766	0.010	12016766	0.16456	60.434		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\056b5401.d
Date : 01-JUL-2014 17:55
Client ID: P-10 (2-4)
Instrument: 50GCS8.i
Sample Info: 5099765001,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

P-10 (12-14)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765002

Date Analyzed: 07/01/2014 18:13 Lab File ID: 070114.B\059B5701.D

Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 2.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\059b5701.d
Lab Smp Id: 5099765002 Client Smp ID: P-10 (12-14)
Inj Date : 01-JUL-2014 18:13
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765002,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 59
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

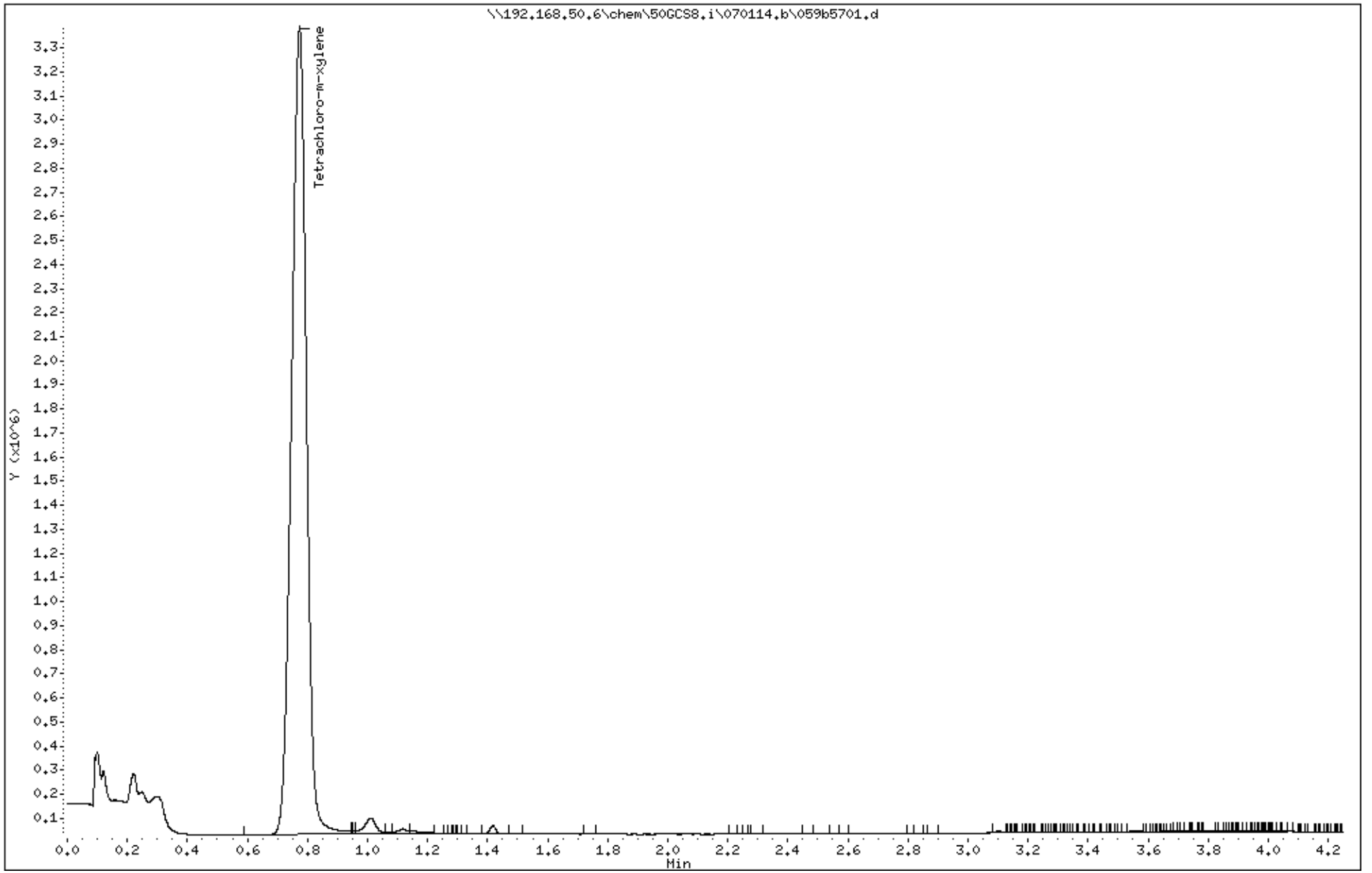
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	2.346	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.772	0.766	0.006	11558964	0.15829	53.671		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\059b5701.d
Date : 01-JUL-2014 18:13
Client ID: P-10 (12-14)
Sample Info: 5099765002,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-10 (3-5)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765003

Date Analyzed: 07/01/2014 18:18 Lab File ID: 070114.B\060B5801.D

Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 8.2%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\060b5801.d
Lab Smp Id: 5099765003 Client Smp ID: TMW-10 (3-5)
Inj Date : 01-JUL-2014 18:18
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765003,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 60
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

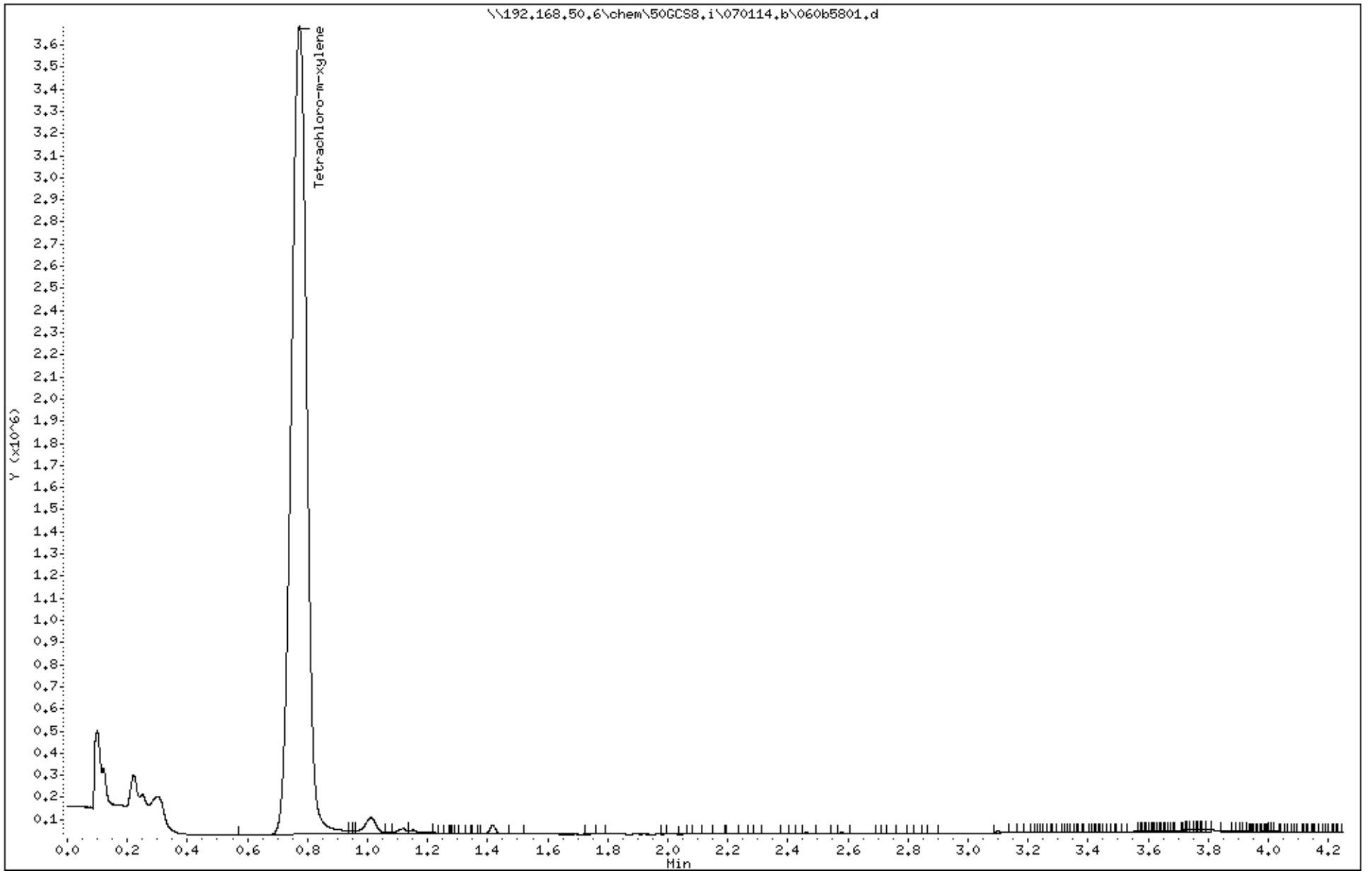
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	8.240	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS				
				ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO	
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8		
0.772	0.766	0.006	13091373	0.17927	64.906			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\060b5801.d
Date : 01-JUL-2014 18:18
Client ID: TMW-10 (3-5)
Sample Info: 5099765003,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-10 (10-12)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765004

Date Analyzed: 07/01/2014 18:24 Lab File ID: 070114.B\061B5901.D

Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 6.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\061b5901.d
Lab Smp Id: 5099765004 Client Smp ID: TMW-10 (10-12)
Inj Date : 01-JUL-2014 18:24
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765004,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 61
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

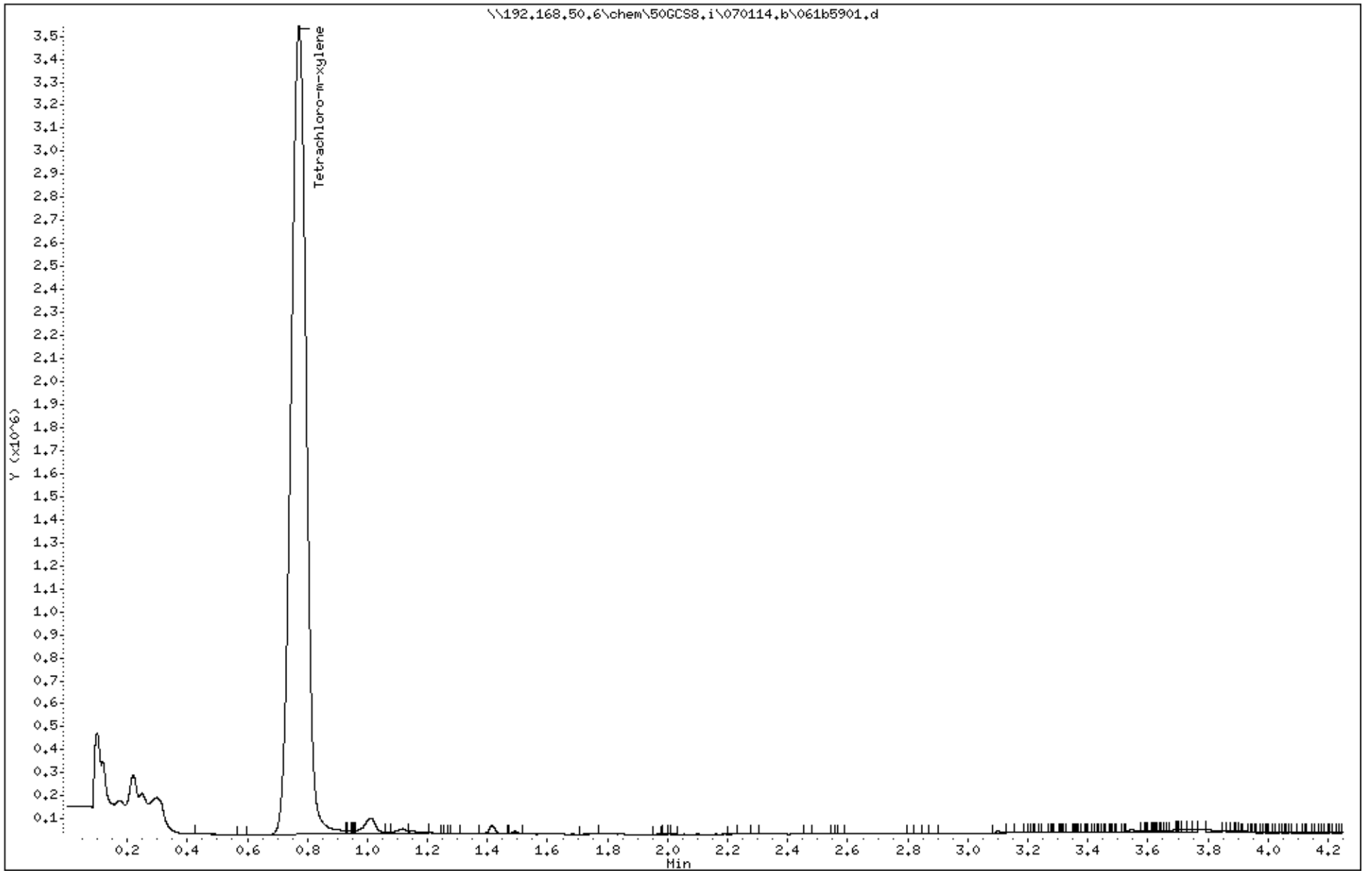
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	6.253	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.771	0.766	0.005	12396901	0.16976	59.962		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\061b5901.d
Date : 01-JUL-2014 18:24
Client ID: TMW-10 (10-12)
Sample Info: 5099765004,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-2 (3-5)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765005

Date Analyzed: 07/01/2014 18:30 Lab File ID: 070114.B\062B6001.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 6.4%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\062b6001.d
Lab Smp Id: 5099765005 Client Smp ID: TMW-2 (3-5)
Inj Date : 01-JUL-2014 18:30
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765005,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 62
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

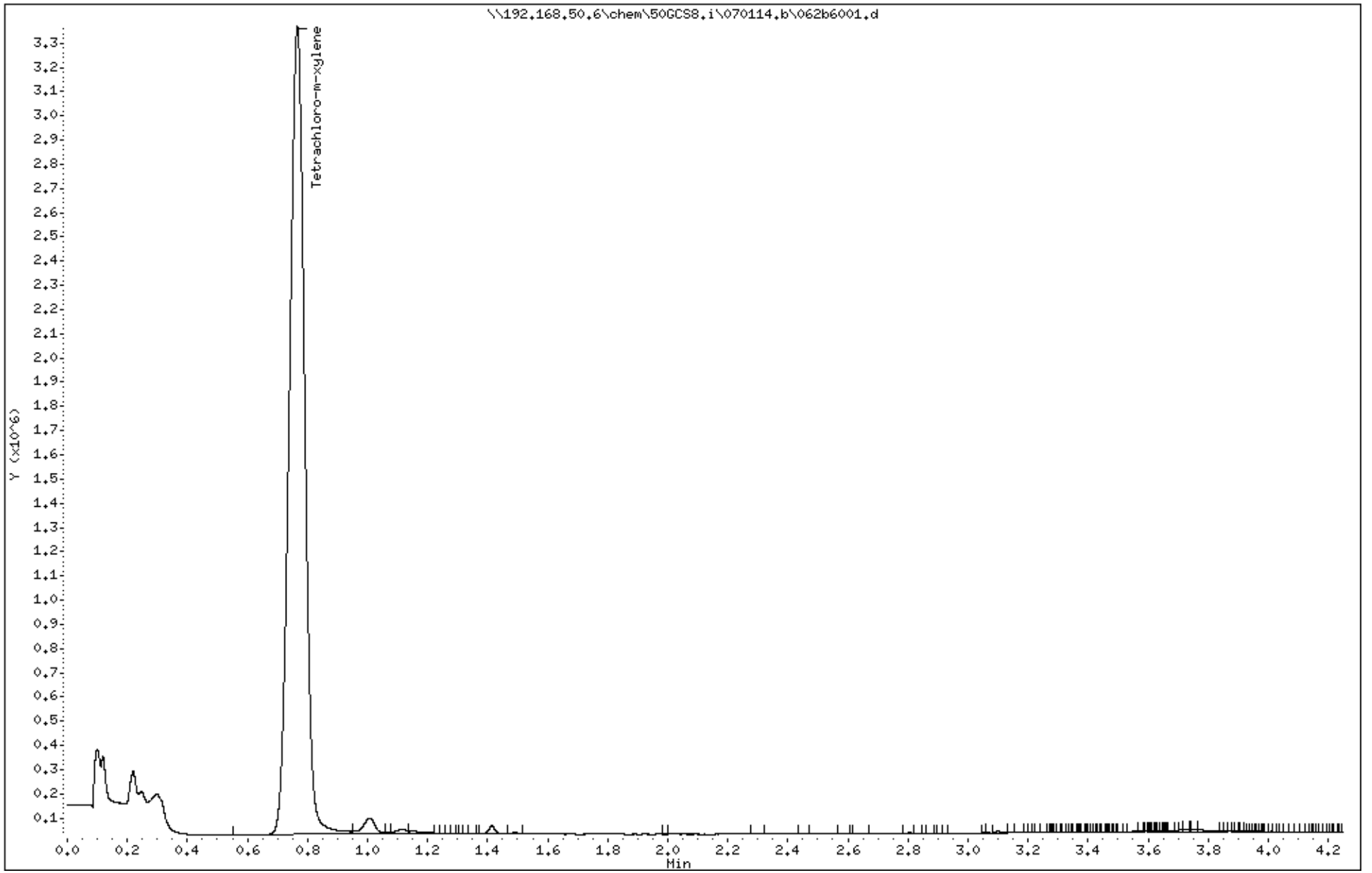
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	6.406	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.766	0.766	0.000	11798995	0.16157	56.974		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\062b6001.d
Date : 01-JUL-2014 18:30
Client ID: TMW-2 (3-5)
Sample Info: 5099765005,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-2 (13-15)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765006

Date Analyzed: 07/01/2014 18:36 Lab File ID: 070114.B\063B6101.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 16.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\063b6101.d
Lab Smp Id: 5099765006 Client Smp ID: TMW-2 (13-15)
Inj Date : 01-JUL-2014 18:36
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765006,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 63
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

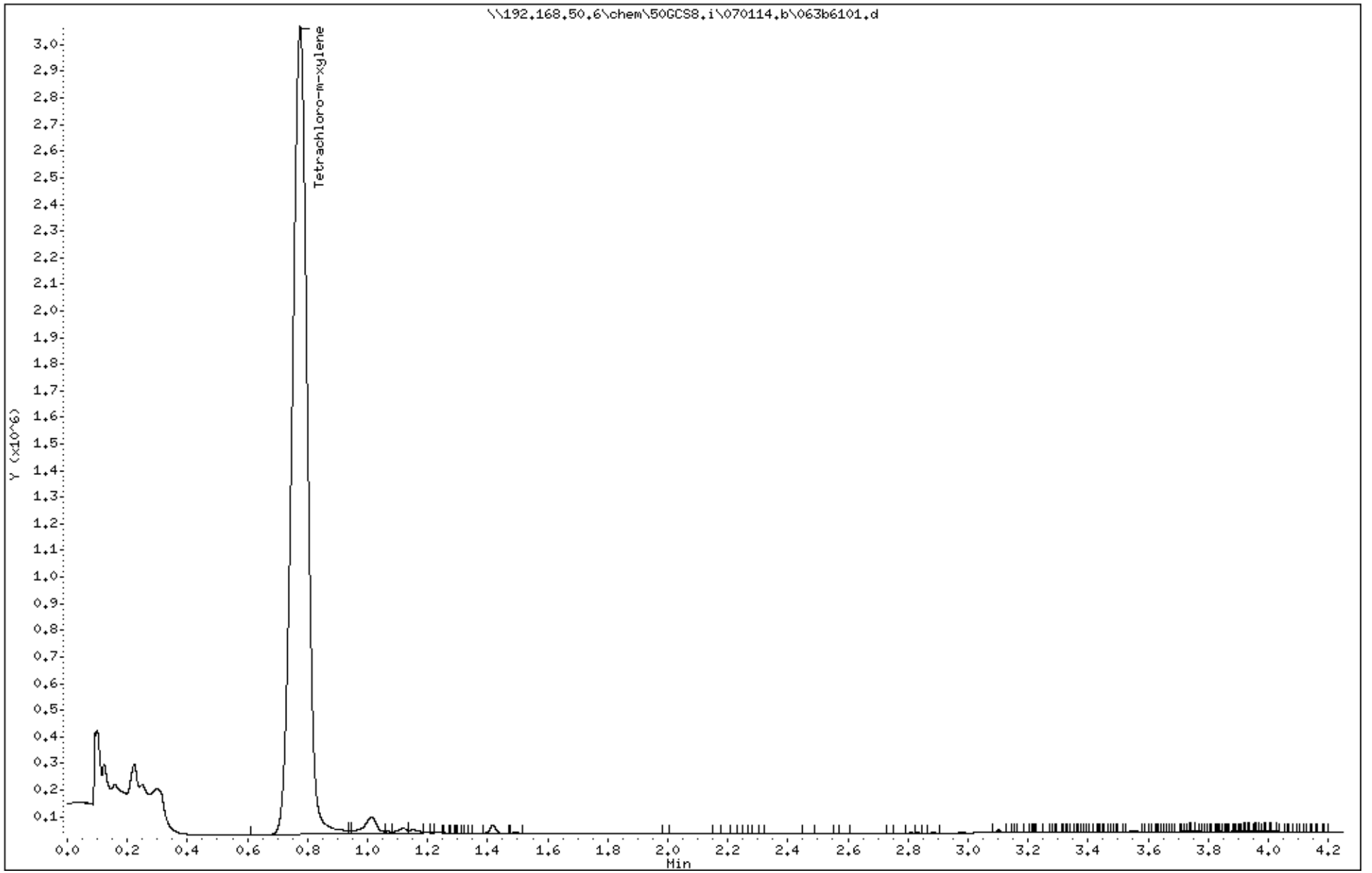
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	16.336	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.775	0.766	0.009	10515953	0.14400	56.805		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\063b6101.d
Date : 01-JUL-2014 18:36
Client ID: TMW-2 (13-15)
Sample Info: 5099765006,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

P-1 (1-3)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765007

Date Analyzed: 07/02/2014 22:57 Lab File ID: 070214.B\029B2401.D

Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 4.2%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\029b2401.d
Lab Smp Id: 5099765007 Client Smp ID: P-1 (1-3)
Inj Date : 02-JUL-2014 22:57
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765007,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
Meth Date : 03-Jul-2014 13:44 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

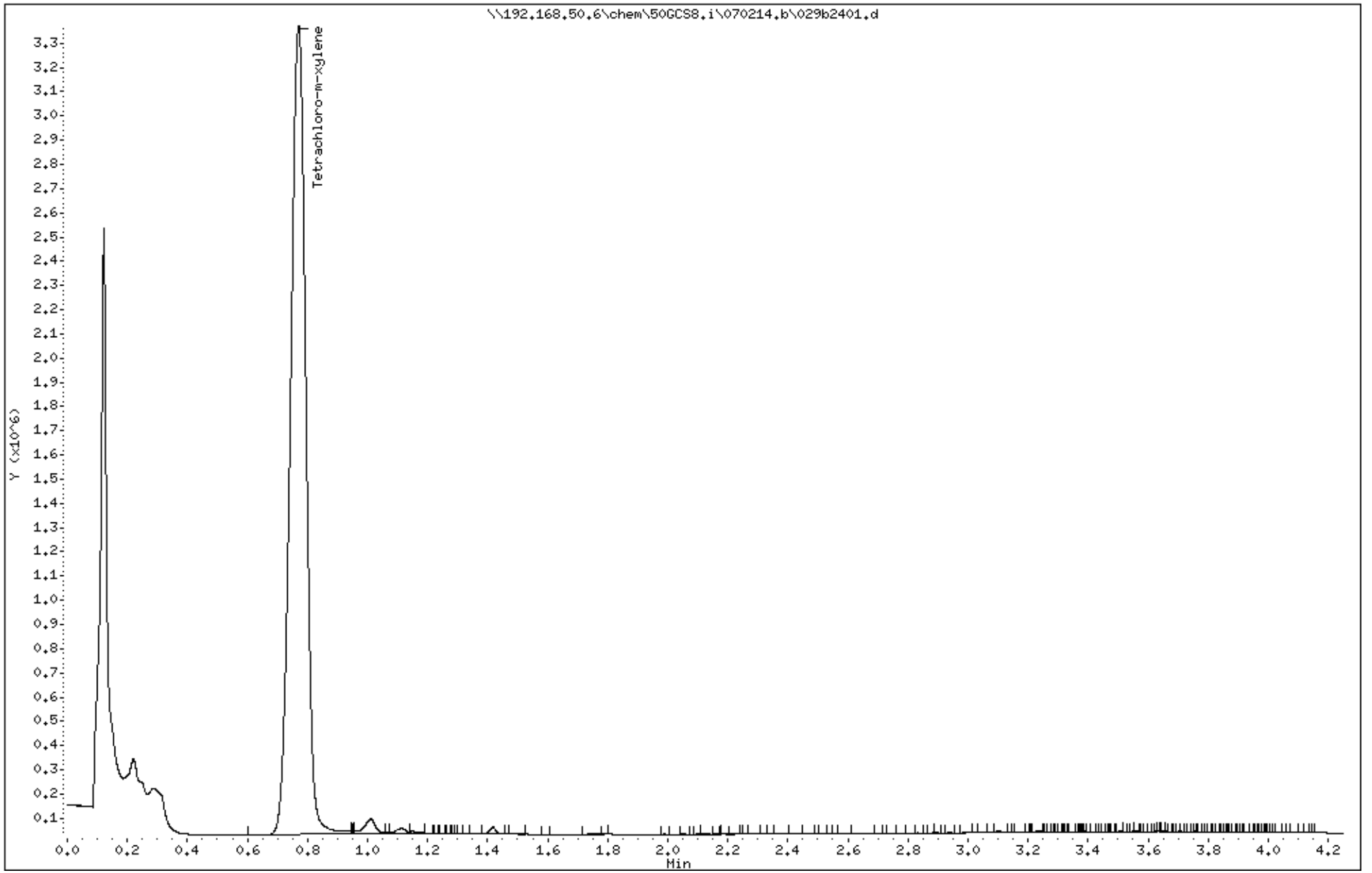
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.100	Weight of sample extracted (g)
M	4.248	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.769	0.766	0.003	11858197	0.16238	56.341		

Data File: \\192.168.50.6\chem\50GCS8.i\070214.b\029b2401.d
Date : 02-JUL-2014 22:57
Client ID: P-1 (1-3)
Sample Info: 5099765007,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

P-1 (18-20)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765008

Date Analyzed: 07/01/2014 18:47 Lab File ID: 070114.B\065B6301.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 13.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\065b6301.d
Lab Smp Id: 5099765008 Client Smp ID: P-1 (18-20)
Inj Date : 01-JUL-2014 18:47
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765008,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 65
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

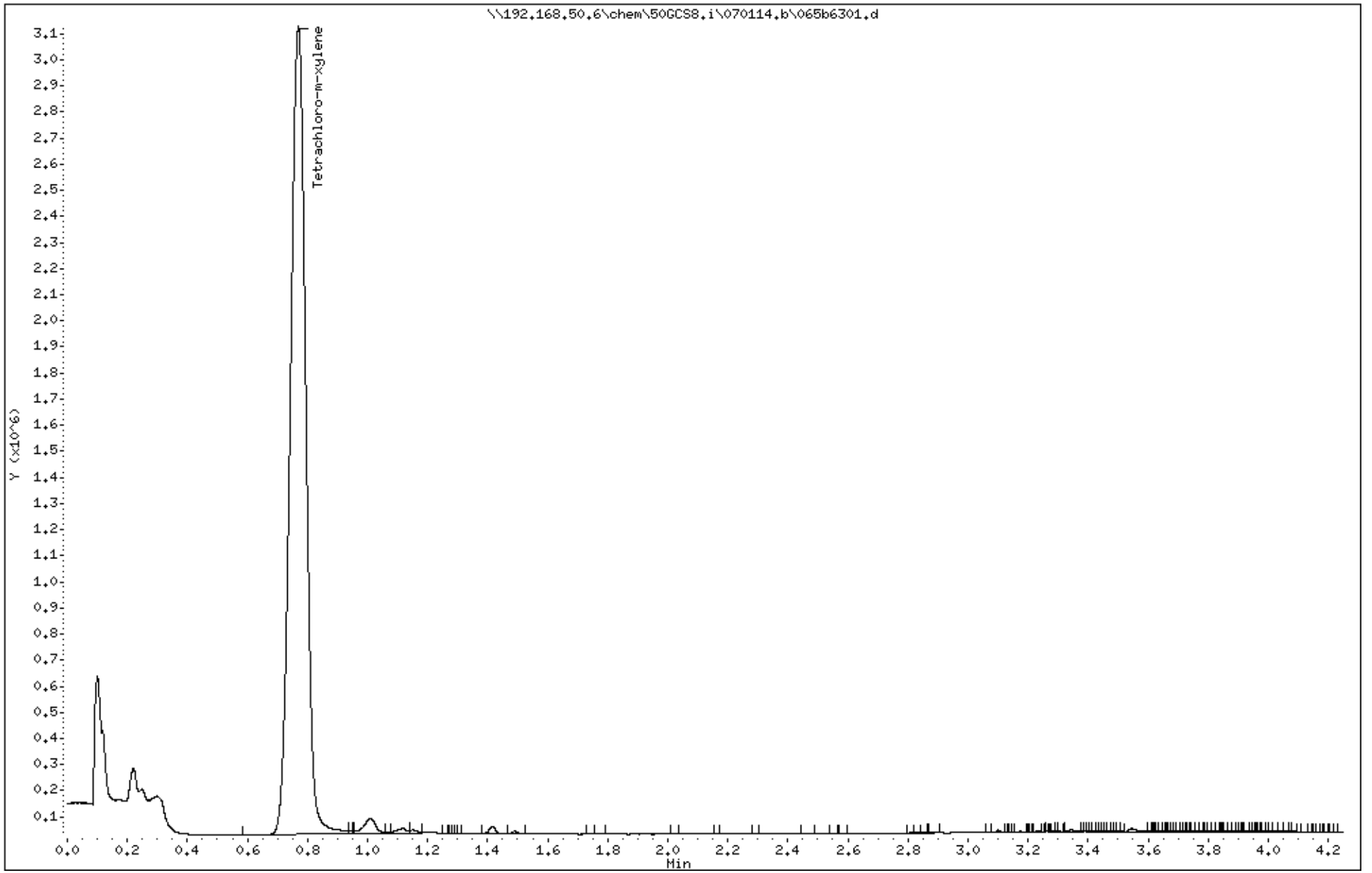
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	13.122	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.770	0.766	0.004	11016941	0.15086	57.310		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\065b6301.d
Date : 01-JUL-2014 18:47
Client ID: P-1 (18-20)
Sample Info: 5099765008,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-1 (1-3)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765009

Date Analyzed: 07/01/2014 18:53 Lab File ID: 070114.B\066B6401.D

Initial wt/vol: 30.4 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 4.0%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\066b6401.d
Lab Smp Id: 5099765009 Client Smp ID: TMW-1 (1-3)
Inj Date : 01-JUL-2014 18:53
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765009,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 66
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

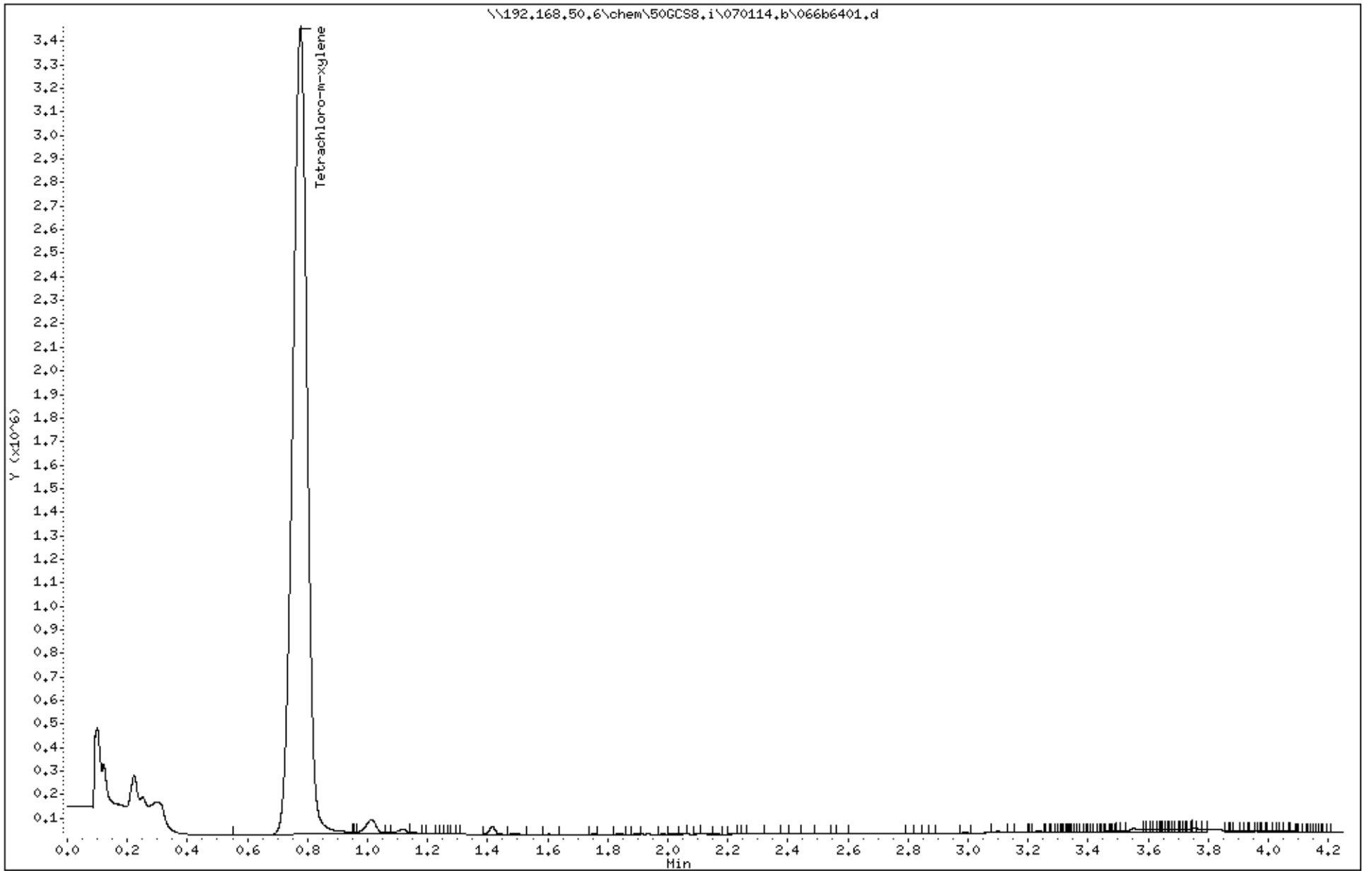
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	3.965	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.776	0.766	0.010	11489818	0.15734	53.893		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\066b6401.d
Date : 01-JUL-2014 18:53
Client ID: TMW-1 (1-3)
Sample Info: 5099765009,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

TMW-1 (11-13)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765010

Date Analyzed: 07/01/2014 18:59 Lab File ID: 070114.B\067B6501.D

Initial wt/vol: 30.4 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 11.0%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

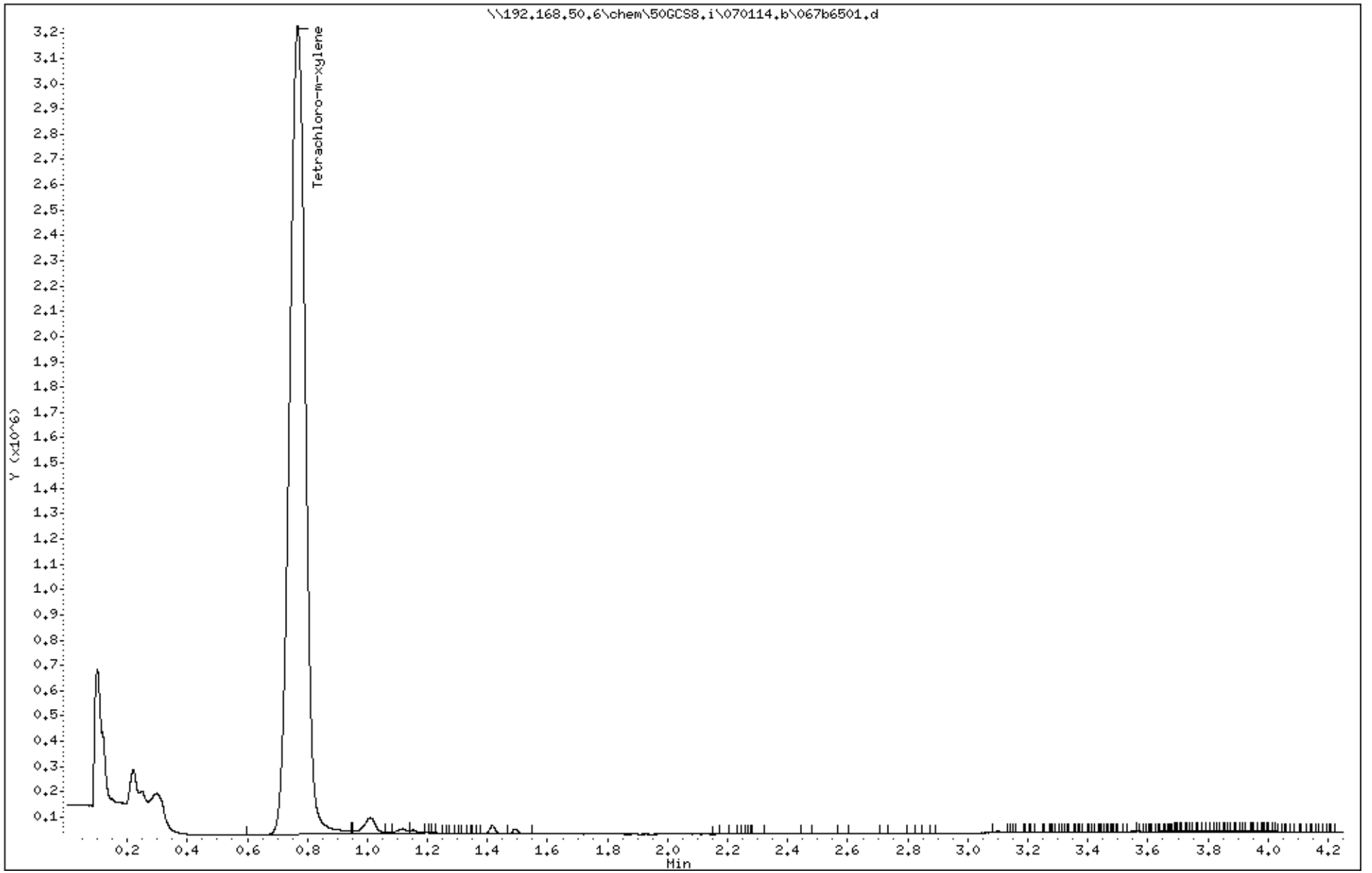
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\067b6501.d
Lab Smp Id: 5099765010 Client Smp ID: TMW-1 (11-13)
Inj Date : 01-JUL-2014 18:59
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765010,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 67
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.400	Weight of sample extracted (g)
M	11.013	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.768	0.766	0.002	11733373	0.16067	59.394		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\067b6501.d
Date : 01-JUL-2014 18:59
Client ID: TMW-1 (11-13)
Instrument: 50GCS8.i
Sample Info: 5099765010,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

TMW-8 (1-3)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 07/07/2014 09:50 Lab Sample ID: 5099765011

Date Analyzed: 07/08/2014 16:45 Lab File ID: 070814.B\044B3901.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 12.7%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

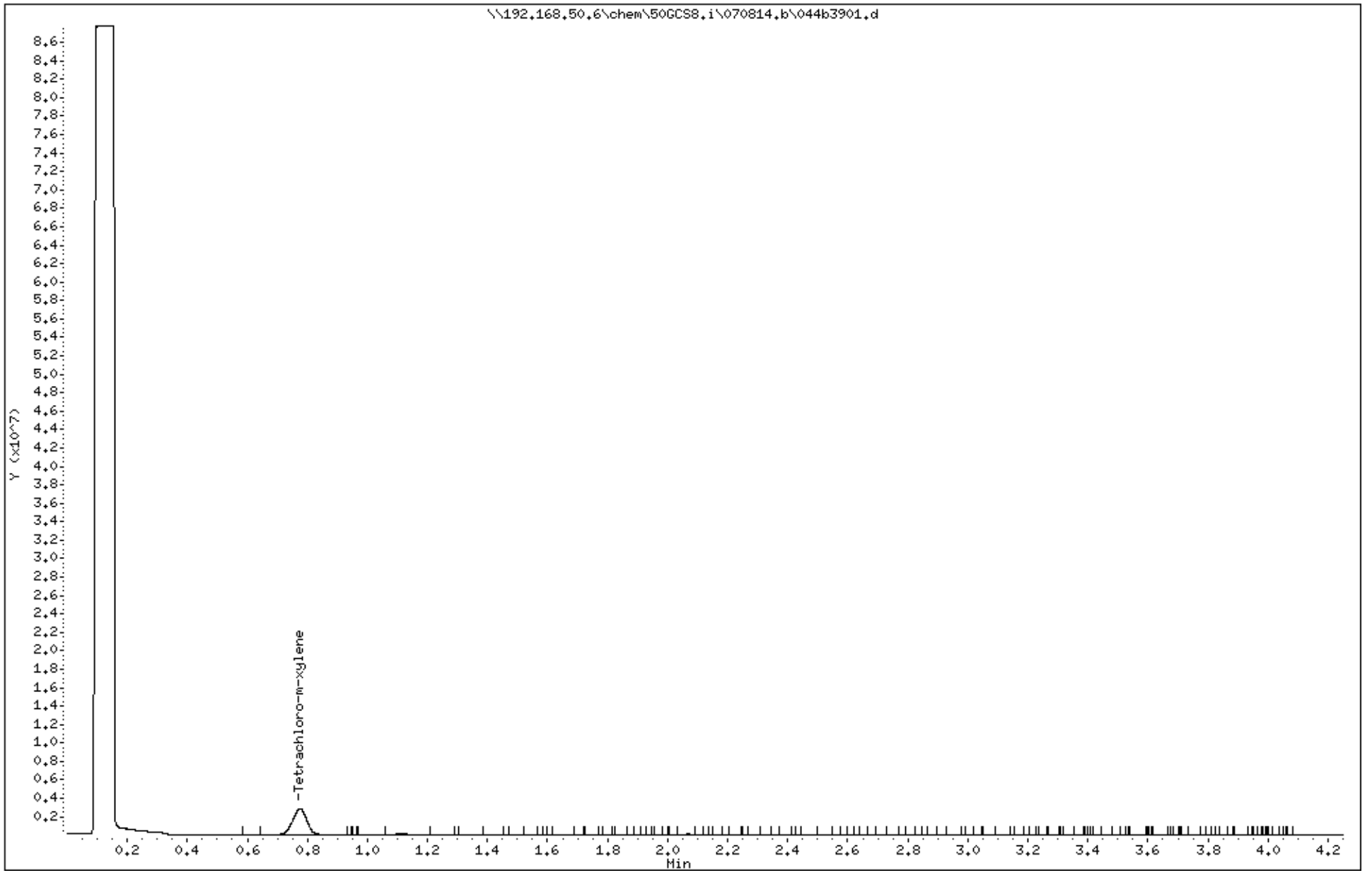
Data file : \\192.168.50.6\chem\50GCS8.i\070814.b\044b3901.d
Lab Smp Id: 5099765011 Client Smp ID: TMW-8 (1-3)
Inj Date : 08-JUL-2014 16:45
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765011,
Misc Info : 12810
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070814.b\8082r.m
Meth Date : 08-Jul-2014 19:38 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 44
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	12.711	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.775	0.776	-0.001	9356578	0.12813	48.443		

Data File: \\192.168.50.6\chem\50GCS8.i\070814.b\044b3901.d
Date : 08-JUL-2014 16:45
Client ID: TMW-8 (1-3)
Instrument: 50GCS8.i
Sample Info: 5099765011,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

TMW-8 (10-12)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765012

Date Analyzed: 07/01/2014 19:11 Lab File ID: 070114.B\069B6701.D

Initial wt/vol: 30.3 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 3.0%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

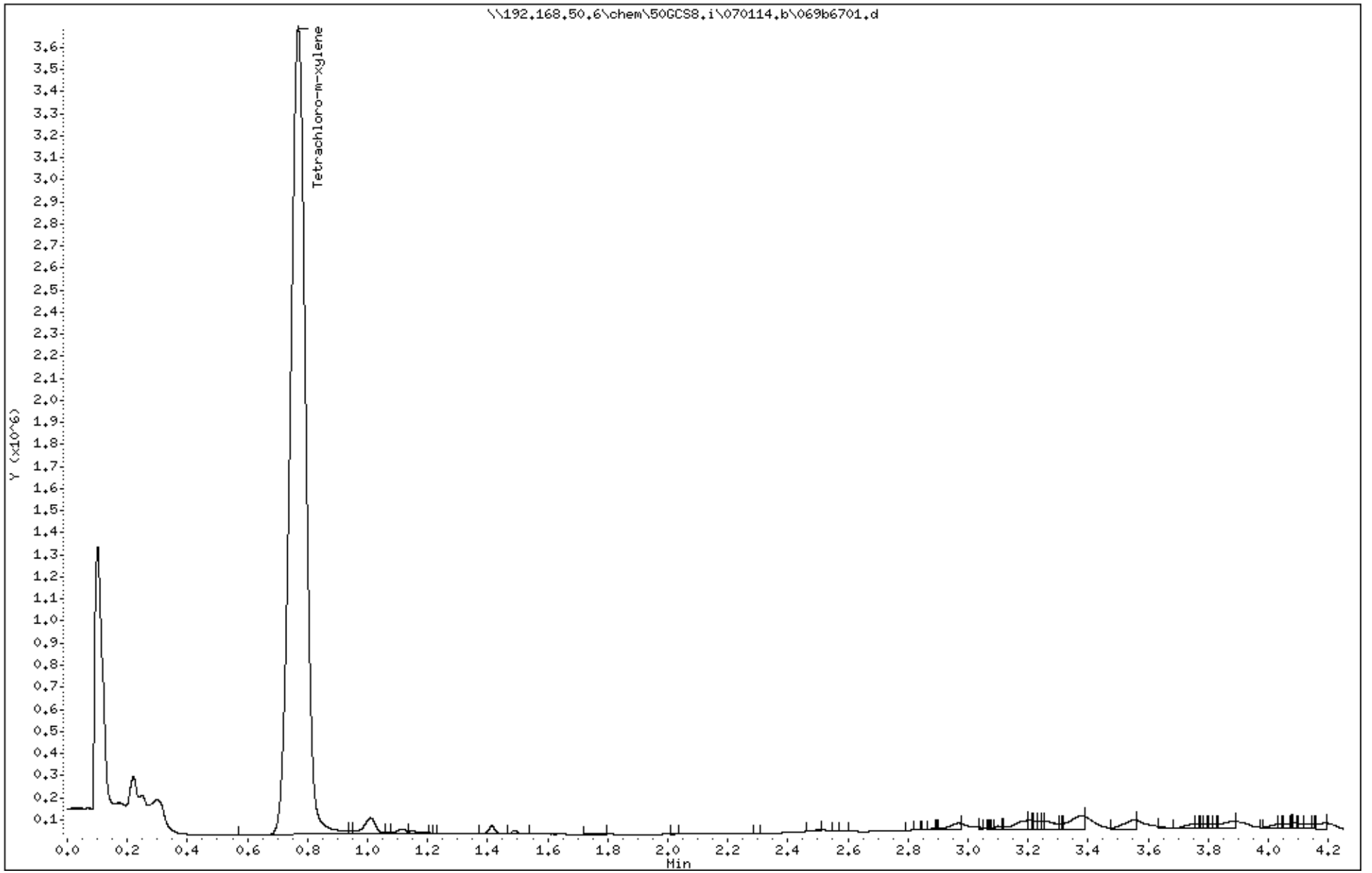
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\069b6701.d
Lab Smp Id: 5099765012 Client Smp ID: TMW-8 (10-12)
Inj Date : 01-JUL-2014 19:11
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765012,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 69
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.300	Weight of sample extracted (g)
M	3.039	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.769	0.766	0.003	12852315	0.17600	59.905		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\069b6701.d
Date : 01-JUL-2014 19:11
Client ID: TMW-8 (10-12)
Instrument: 50GCS8.i
Sample Info: 5099765012,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

P-2 (1-3)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 5099765013

Date Analyzed: 07/01/2014 19:16 Lab File ID: 070114.B\070B6801.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 8.0%

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

Pace Analytical Services, Inc.

PCB by Method 8082A

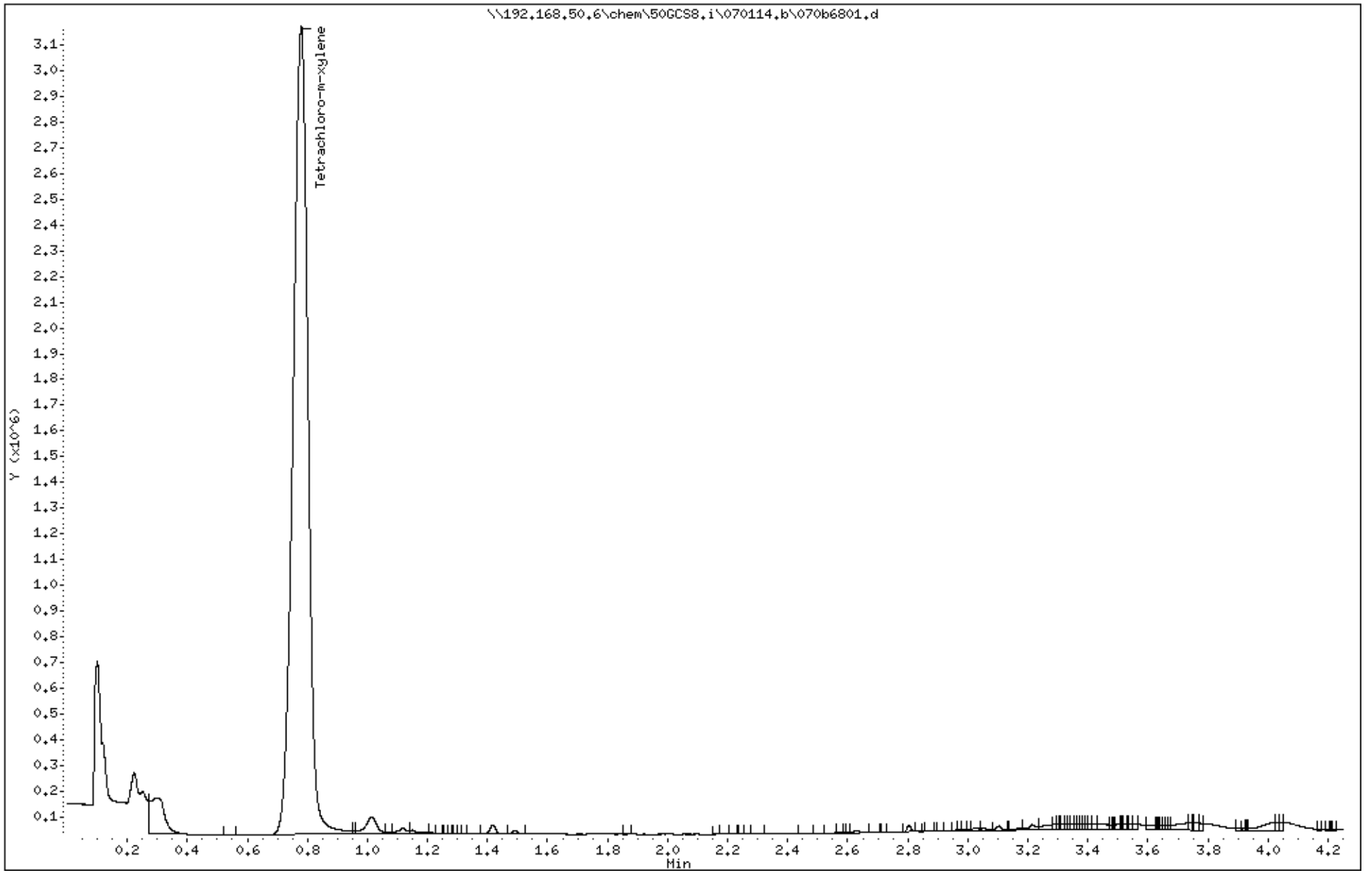
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\070b6801.d
Lab Smp Id: 5099765013 Client Smp ID: P-2 (1-3)
Inj Date : 01-JUL-2014 19:16
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765013,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 70
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	7.971	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.778	0.766	0.012	10826637	0.14826	53.699		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\070b6801.d
Date : 01-JUL-2014 19:16
Client ID: P-2 (1-3)
Instrument: 50GCS8.i
Sample Info: 5099765013,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

P-2 (18-20)

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 5099765014

Date Analyzed: 07/01/2014 19:40 Lab File ID: 070114.B\073B7201.D

Initial wt/vol: 30.4 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 11.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\073b7201.d
Lab Smp Id: 5099765014 Client Smp ID: P-2 (18-20)
Inj Date : 01-JUL-2014 19:40
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765014,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 73
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

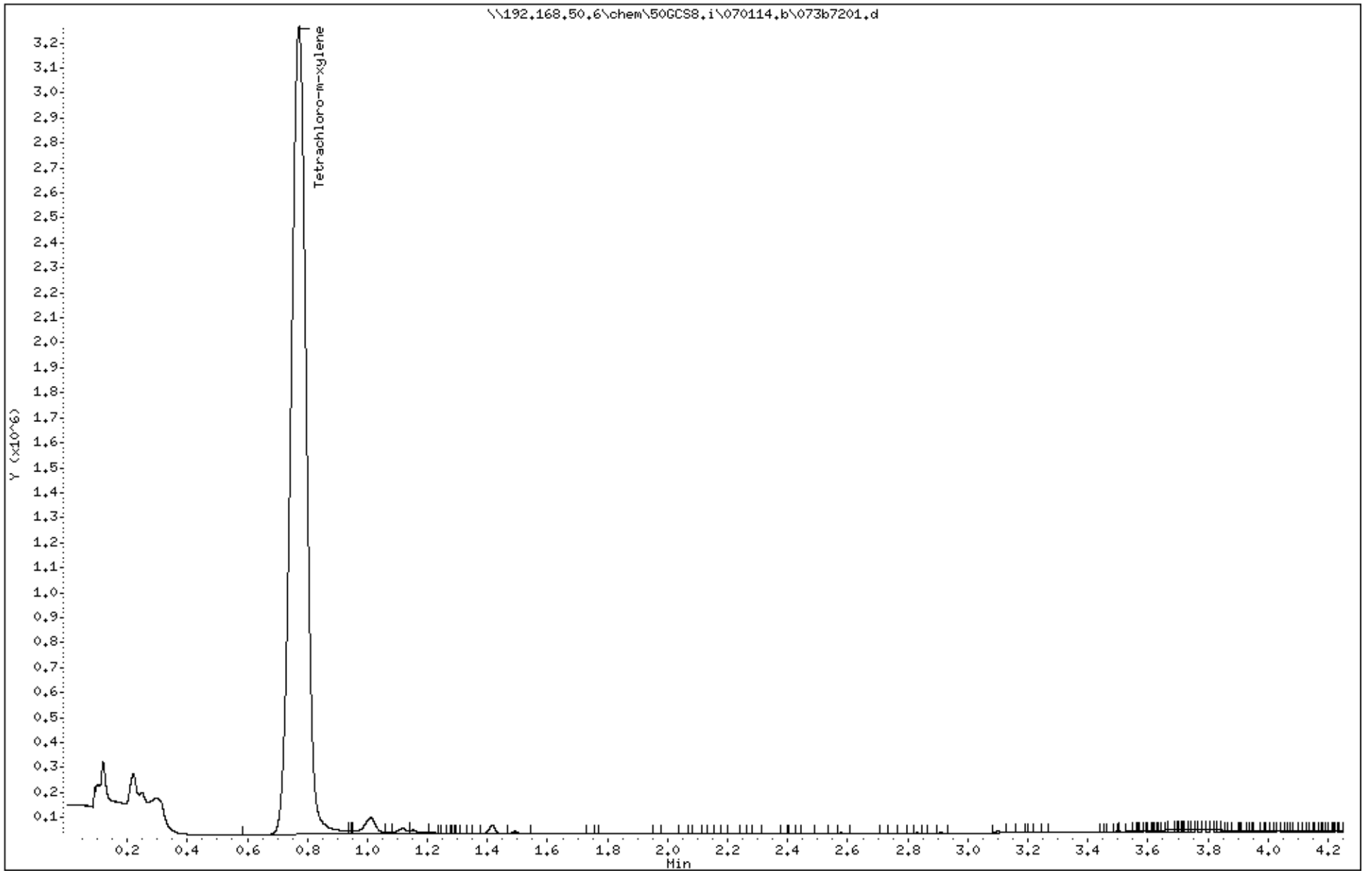
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	30.400	Weight of sample extracted (g)
M	11.258	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.772	0.766	0.006	11384704	0.15590	57.789		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\073b7201.d
Date : 01-JUL-2014 19:40
Client ID: P-2 (18-20)
Sample Info: 5099765014,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

Subsurf-Dup

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 5099765015

Date Analyzed: 07/01/2014 19:57 Lab File ID: 070114.B\076B7501.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 3.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

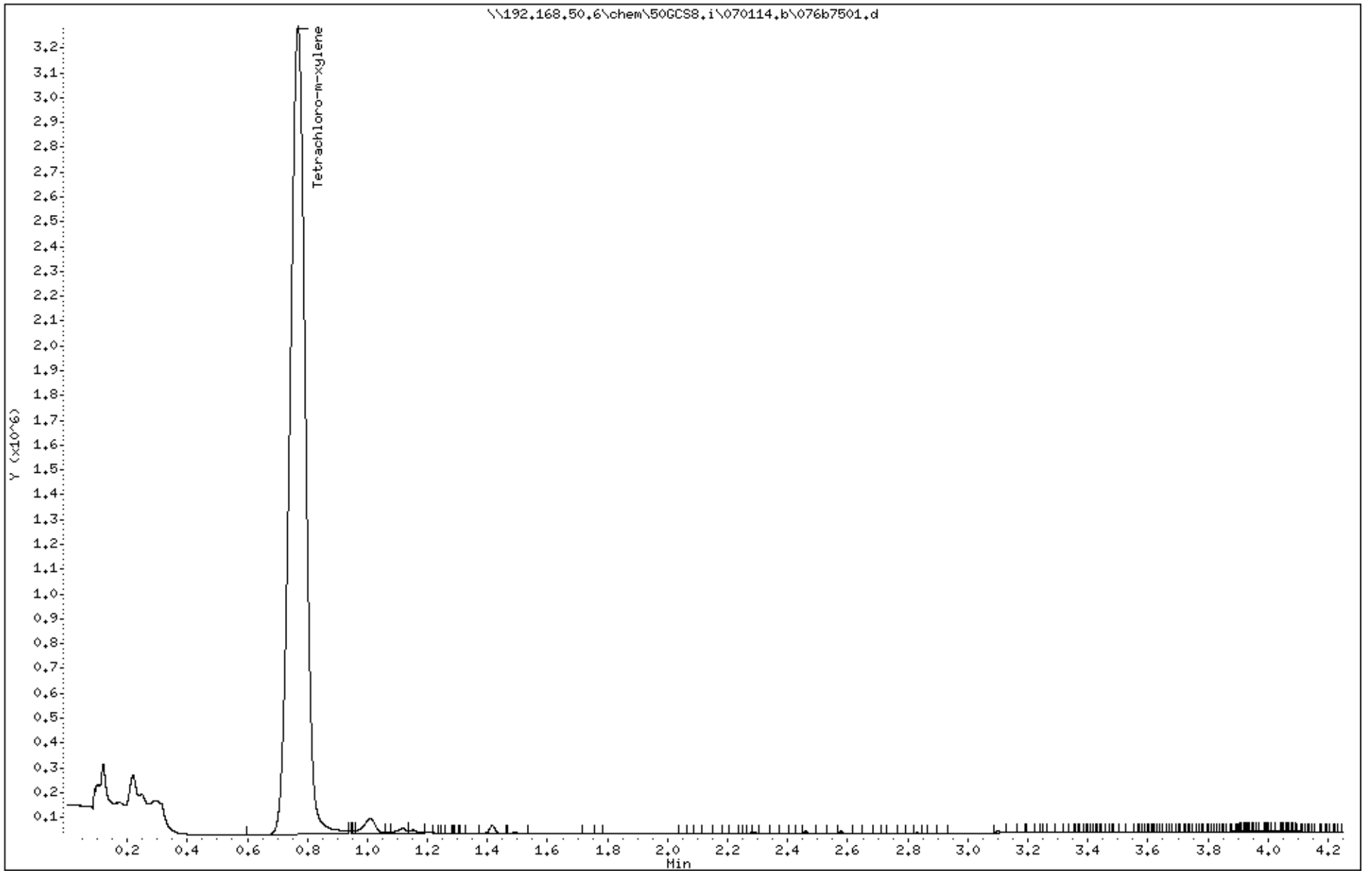
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\076b7501.d
Lab Smp Id: 5099765015 Client Smp ID: Subsurf-Dup
Inj Date : 01-JUL-2014 19:57
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 5099765015,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 76
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	3.284	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.768	0.766	0.002	11518247	0.15773	54.361		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\076b7501.d
Date : 01-JUL-2014 19:57
Client ID: Subsurf-Dup
Instrument: 50GCS8.i
Sample Info: 5099765015,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

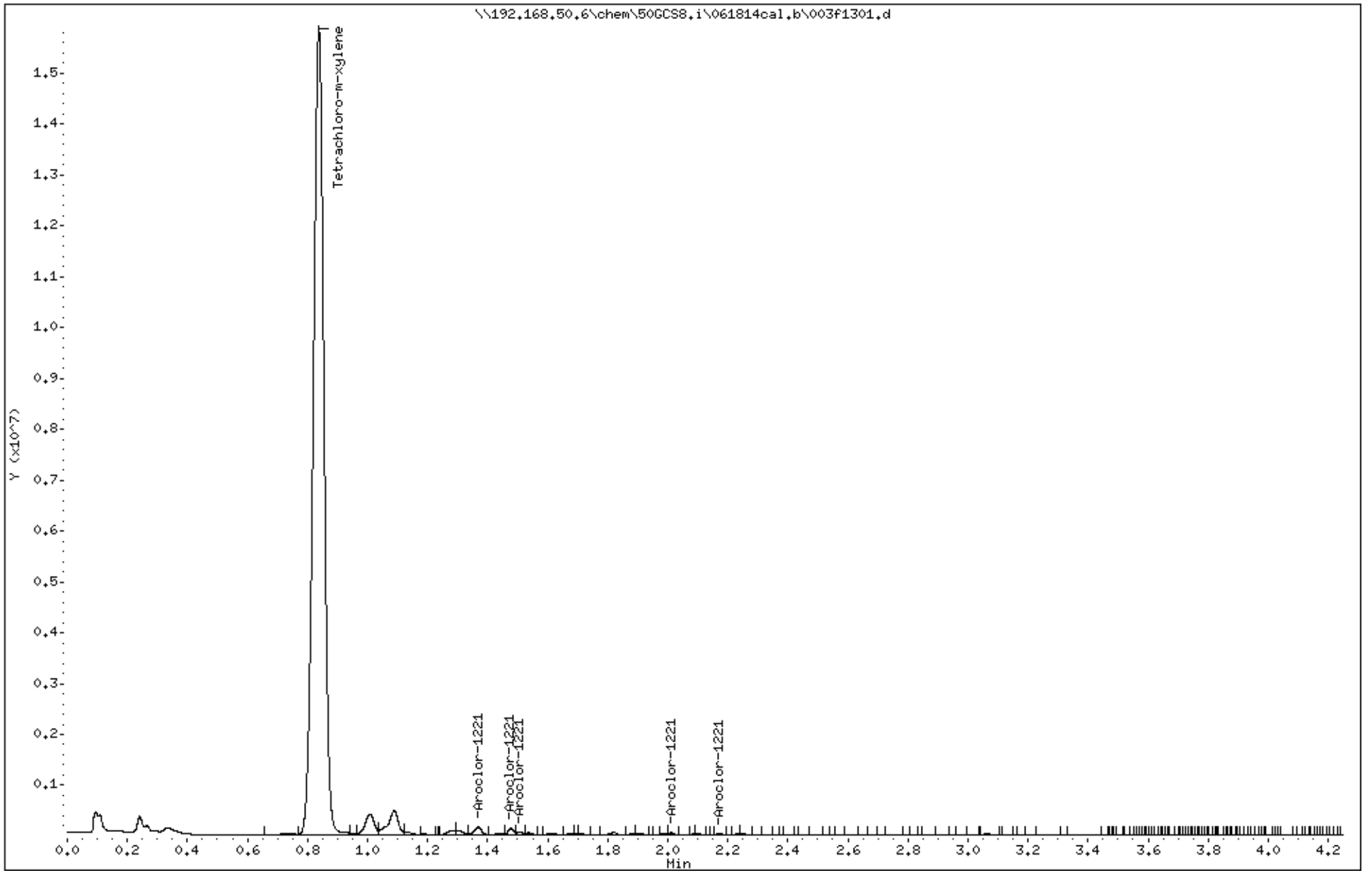
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\003f1301.d
Lab Smp Id: 1221-CAL6S,70972:1
Inj Date : 18-JUN-2014 16:16
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1221-cal6s,70972:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 16:16 Cal File: 003f1301.d
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1221.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 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\50GCS8.i\061814cal.b\003f1301.d
Date : 18-JUN-2014 16:16
Client ID:
Sample Info: 1221-CAL6S,70972:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

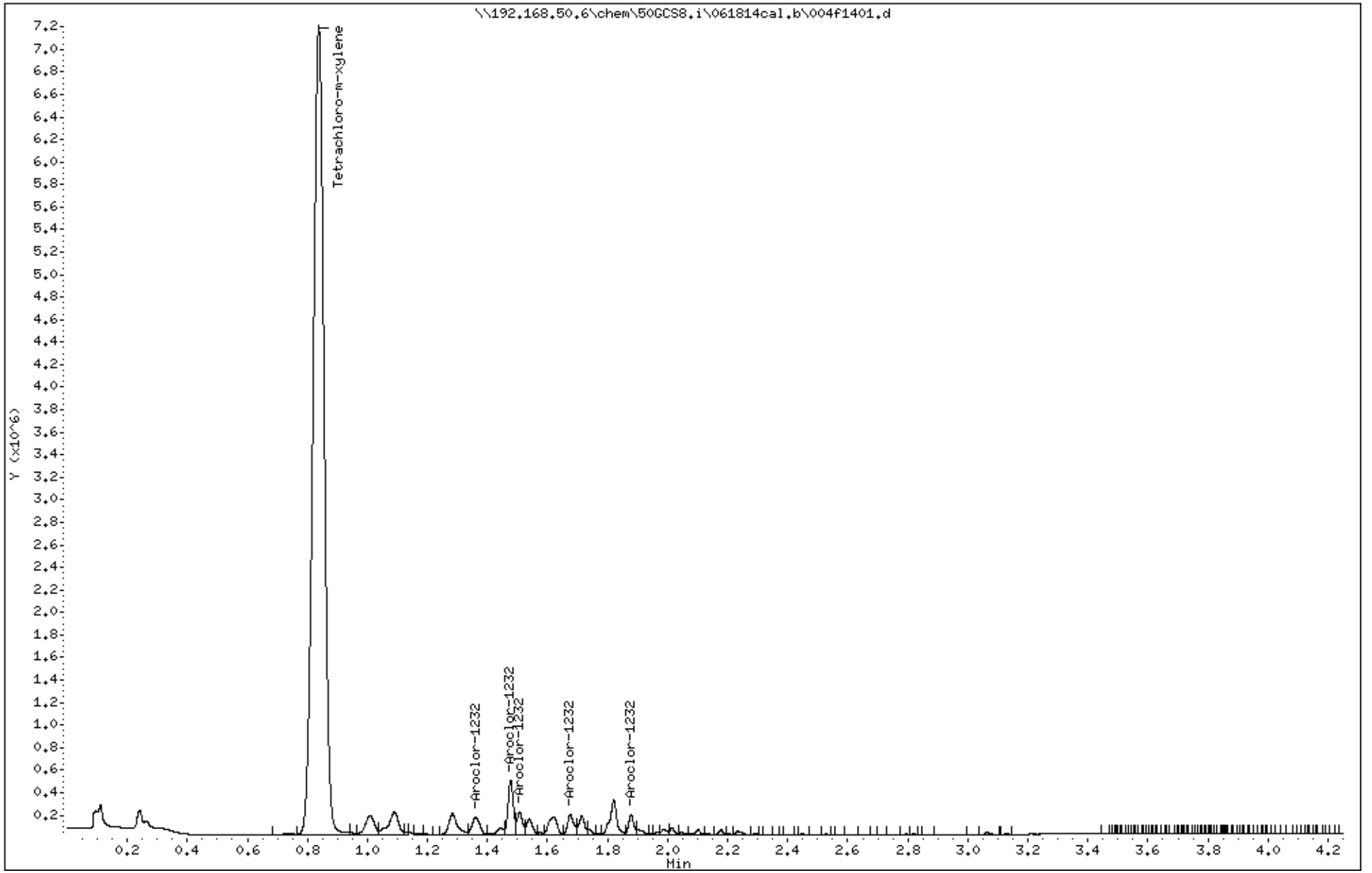
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\004f1401.d
Lab Smp Id: 1232-CAL4S,70973:1
Inj Date : 18-JUN-2014 16:21
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1232-cal4s,70973:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 16:21 Cal File: 004f1401.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.837	0.837	0.000	18078595	0.50000	0.482			
46 Aroclor-1232					CAS #: 11141-16-5			
1.360	1.361	-0.001	272938	0.50000	0.500	0.00-	0.00	100.00
1.476	1.477	-0.001	597427	0.50000	0.500	0.00-	0.00	218.89
1.507	1.508	-0.001	244081	0.50000	0.500	0.00-	0.00	89.43
1.675	1.675	0.000	249211	0.50000	0.500	0.00-	0.00	91.31
1.877	1.878	-0.001	208801	0.50000	0.500	0.00-	0.00	76.50
Average of Peak Amounts =				0.50000				

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\004f1401.d
Date : 18-JUN-2014 16:21
Client ID:
Sample Info: 1232-CAL4S,70973:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

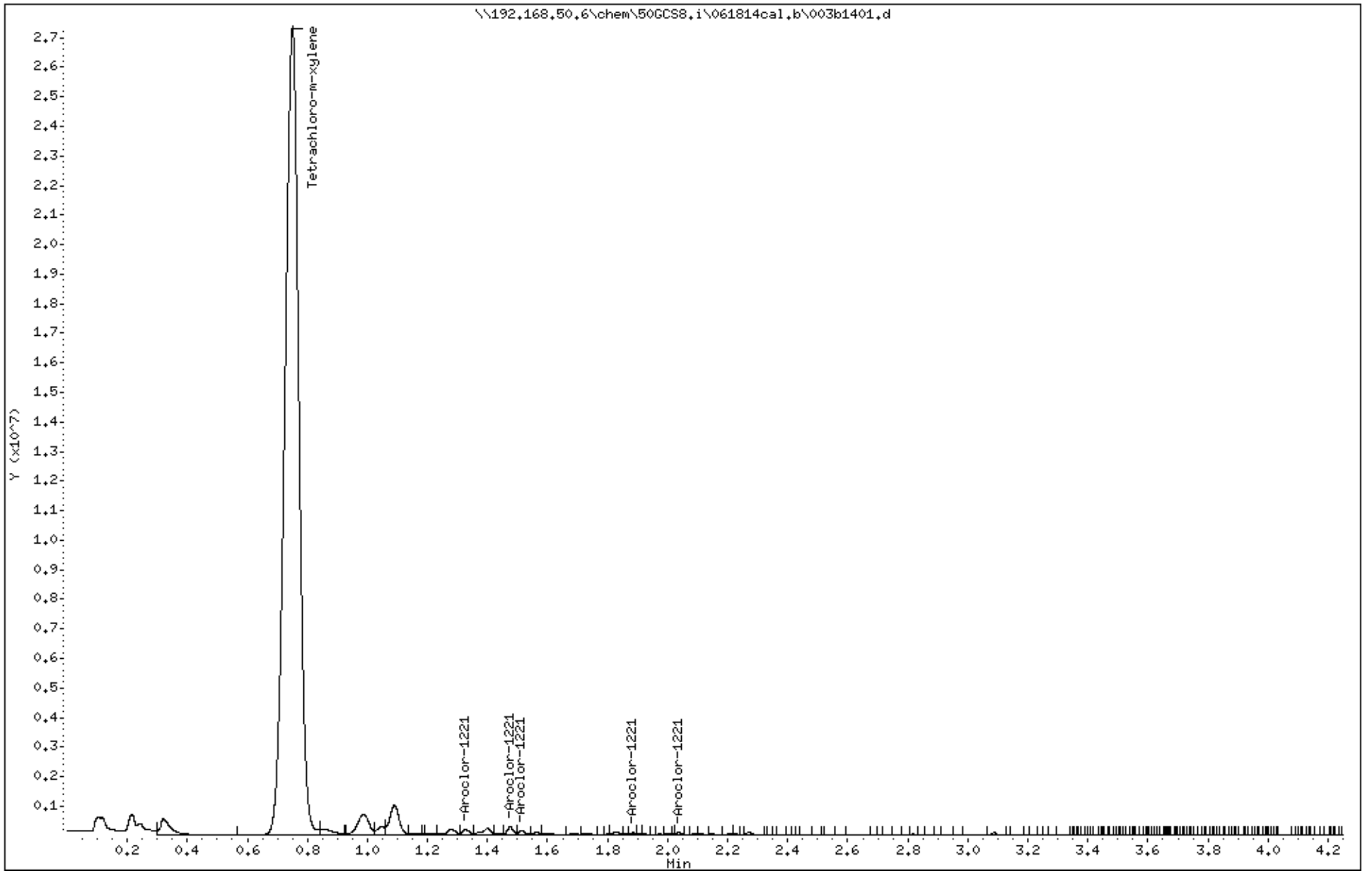
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\003b1401.d
Lab Smp Id: 1221-CAL6S,70972:1
Inj Date : 18-JUN-2014 16:21
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1221-cal6s,70972:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 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				
				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		
0.749	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				

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\003b1401.d
Date : 18-JUN-2014 16:21
Client ID:
Sample Info: 1221-CAL6S,70972:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

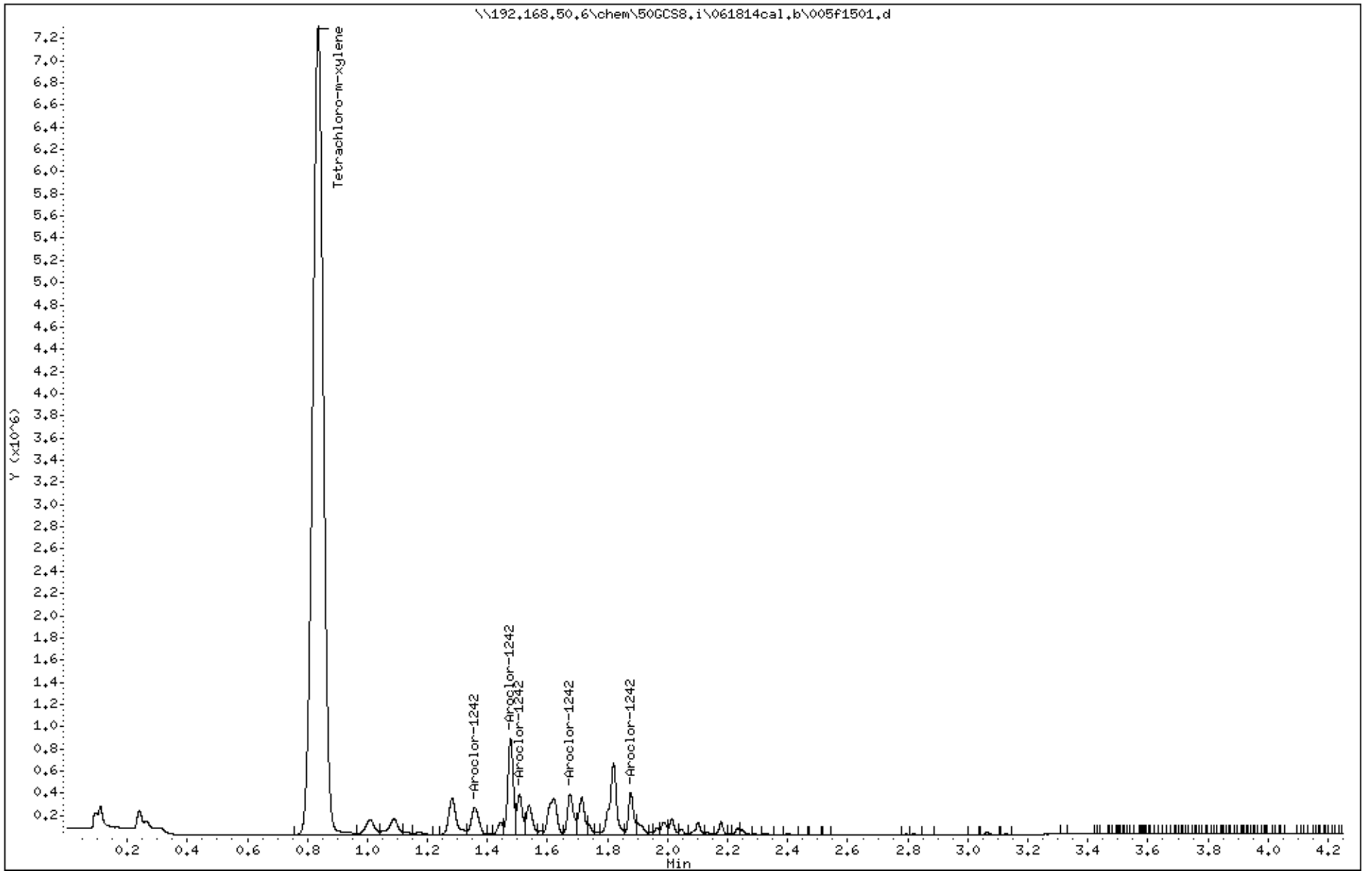
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\005f1501.d
Lab Smp Id: 1242-CAL4S,70974:1
Inj Date : 18-JUN-2014 16:27
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1242-cal4s,70974:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 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				
				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			
0.835	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				

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\005f1501.d
Date : 18-JUN-2014 16:27
Client ID:
Sample Info: 1242-CAL4S,70974:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\004b1501.d
Lab Smp Id: 1232-CAL4S,70973:1
Inj Date : 18-JUN-2014 16:27
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1232-cal4s,70973:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 16:27 Cal File: 004b1501.d
Als bottle: 4 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1232.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.743	0.754	-0.011	40161527	0.50000	0.479			(M)
46 Aroclor-1232					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				

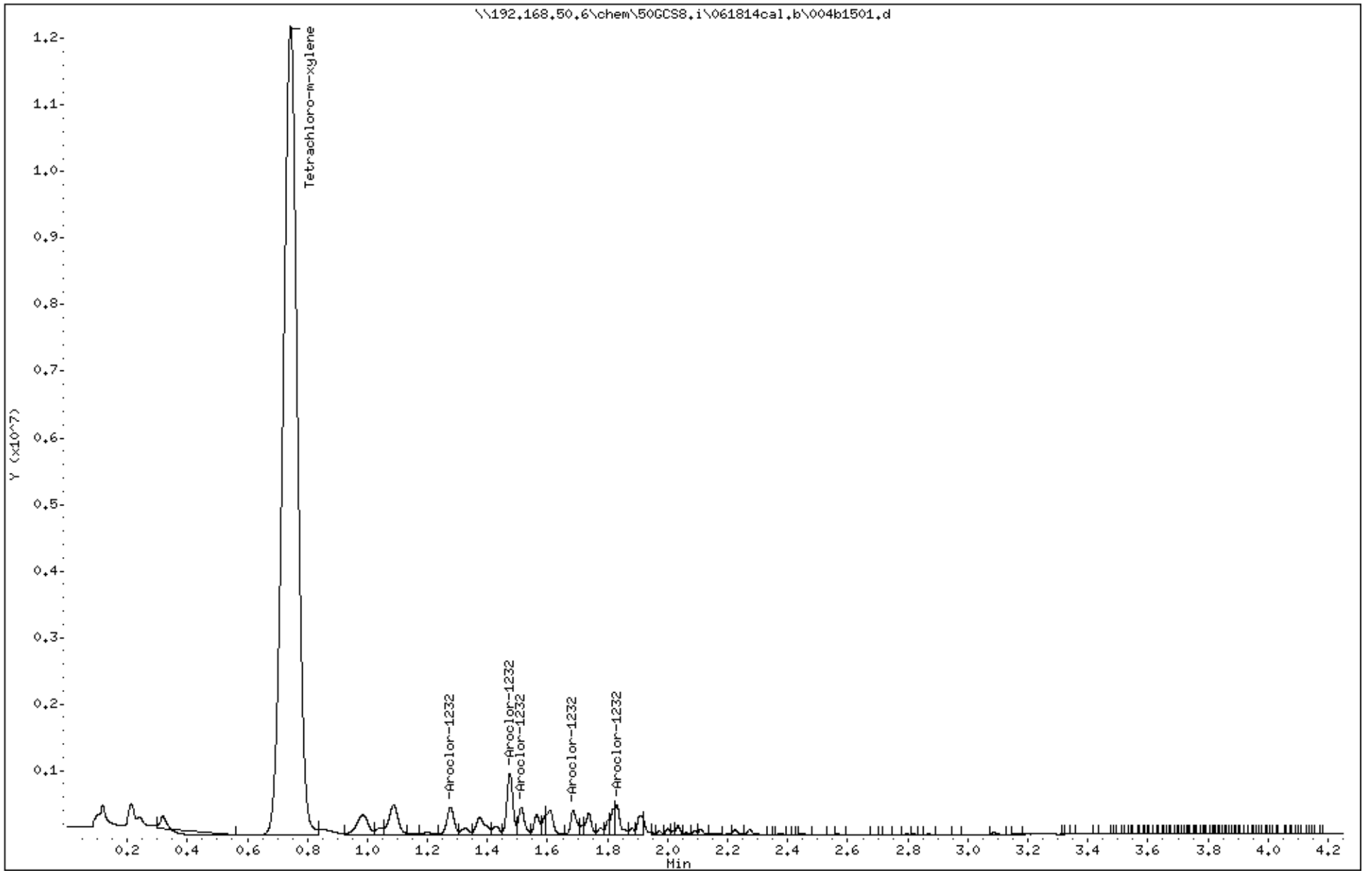
QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\004b1501.d
Date : 18-JUN-2014 16:27
Client ID:
Sample Info: 1232-CAL4S,70973:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

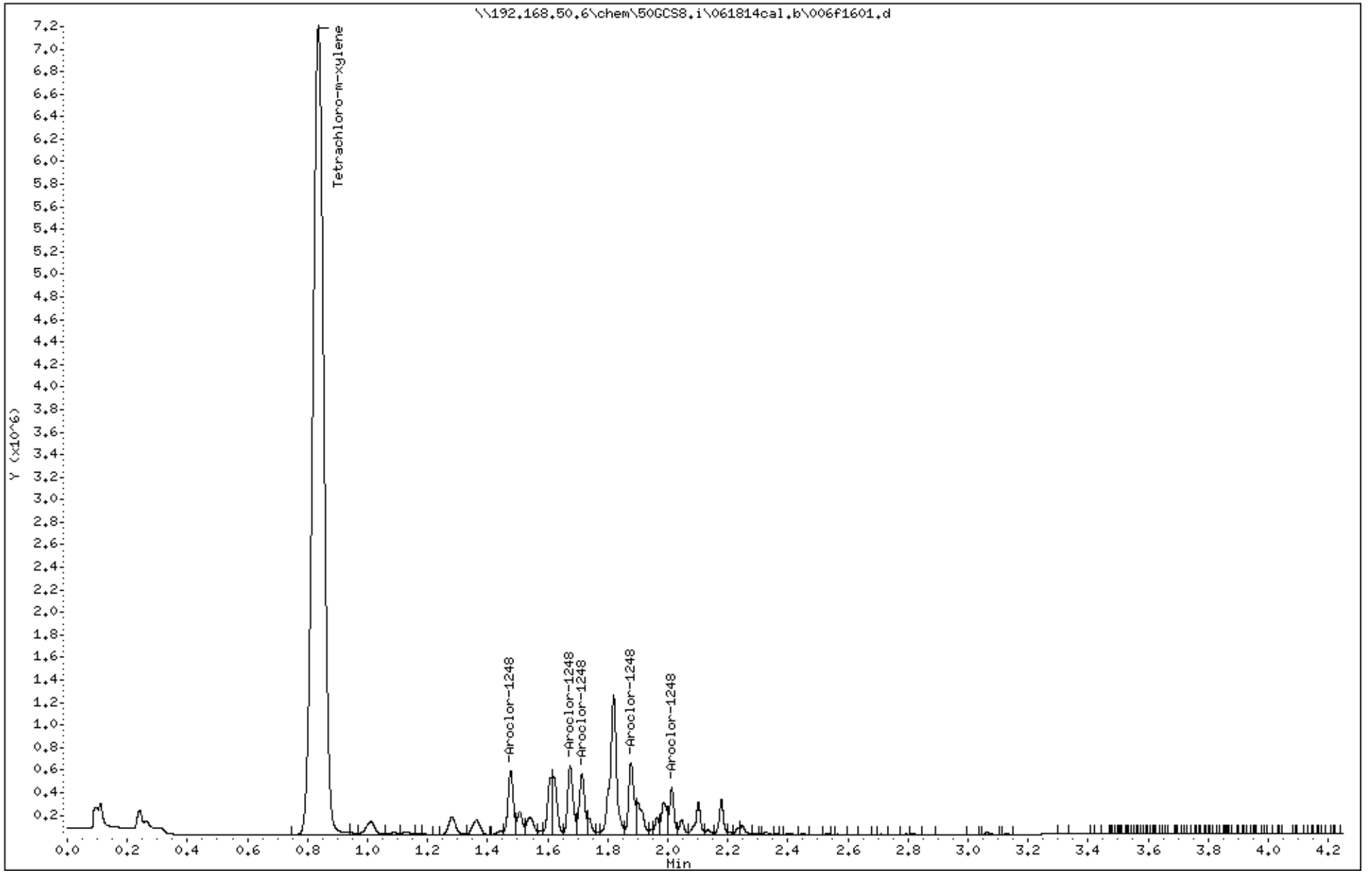
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\006f1601.d
Lab Smp Id: 1248-CAL4S,70975:1
Inj Date : 18-JUN-2014 16:33
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1248-cal4s,70975:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 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 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.836	0.837	-0.001	18163692	0.50000	0.483			
48 Aroclor-1248					CAS #: 12672-29-6			
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				

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\006f1601.d
Date : 18-JUN-2014 16:33
Client ID:
Sample Info: 1248-CAL4S,70975:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

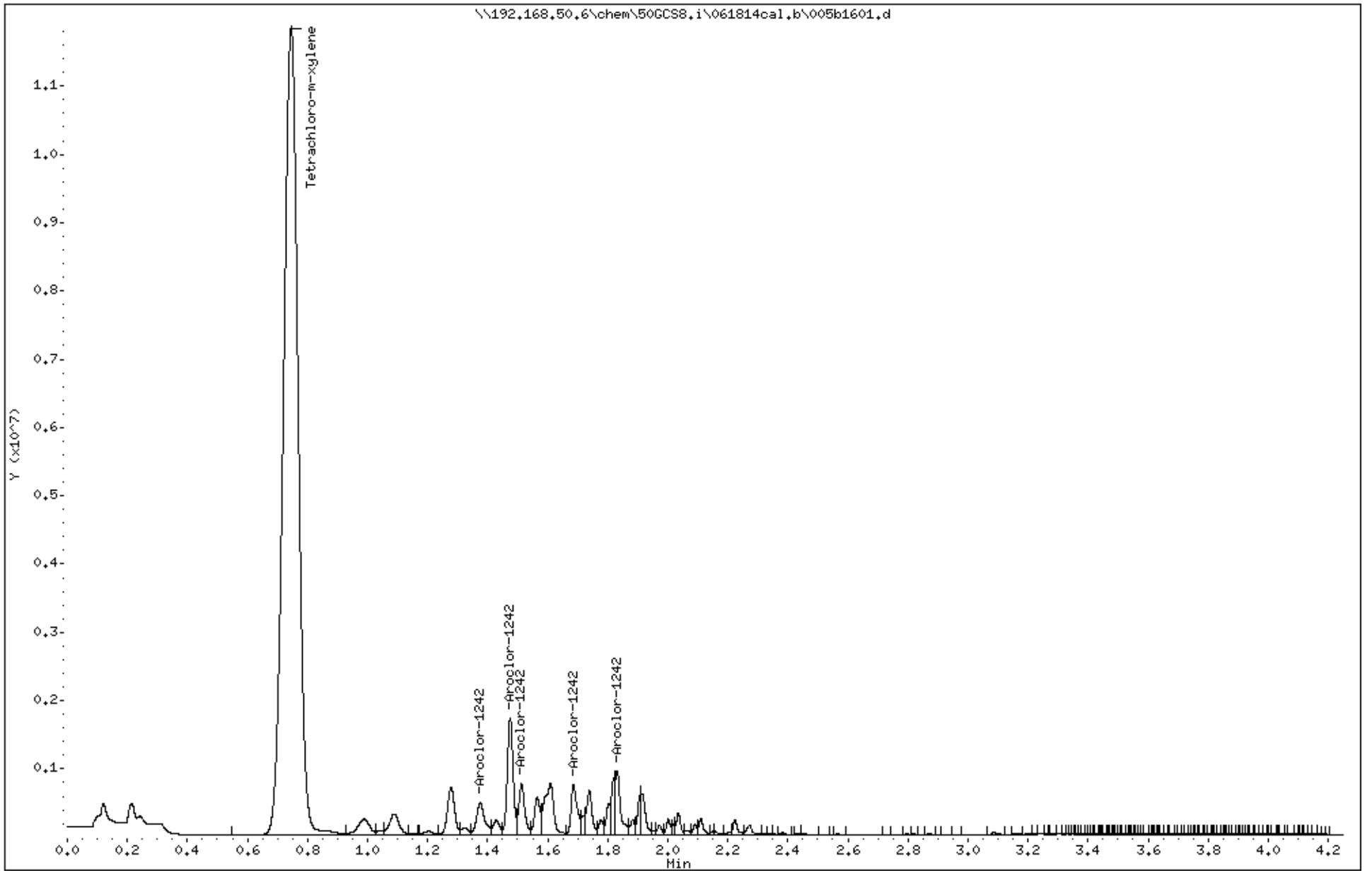
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\005b1601.d
Lab Smp Id: 1242-CAL4S,70974:1
Inj Date : 18-JUN-2014 16:33
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1242-cal4s,70974:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 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				
				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			
0.746	0.754	-0.008	40001800	0.50000	0.474			
47 Aroclor-1242					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\50GCS8.i\061814cal.b\005b1601.d
Date : 18-JUN-2014 16:33
Client ID:
Sample Info: 1242-CAL4S,70974:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

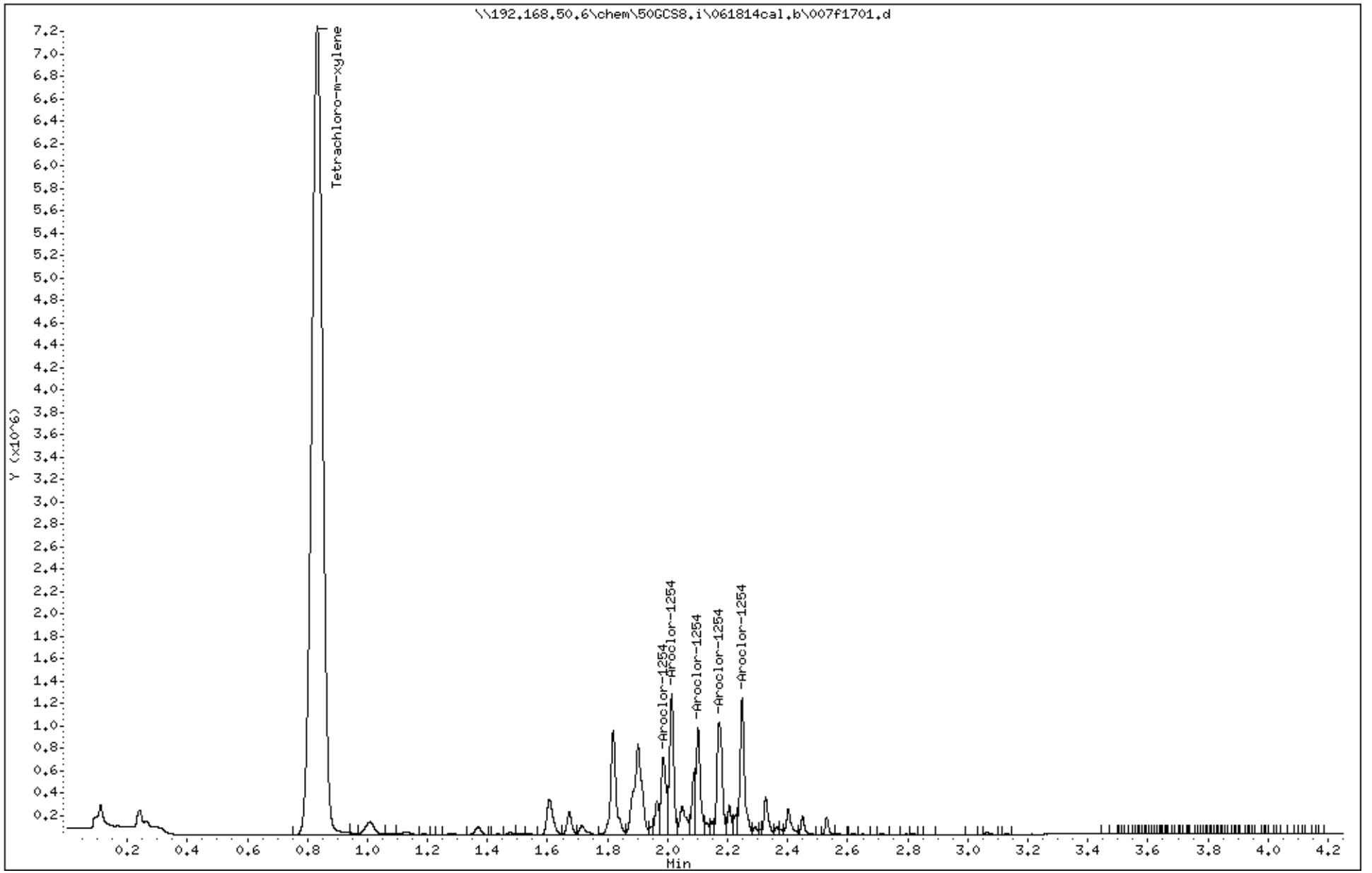
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\007f1701.d
Lab Smp Id: 1254-CAL4S,70976:1
Inj Date : 18-JUN-2014 16:39
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1254-cal4s,70976:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 16:50 Cal File: 009f1901.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1254.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.832	0.837	-0.005	18277883	0.50000	0.486			
49 Aroclor-1254					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\50GCS8.i\061814cal.b\007f1701.d
Date : 18-JUN-2014 16:39
Client ID:
Sample Info: 1254-CAL4S,70976:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

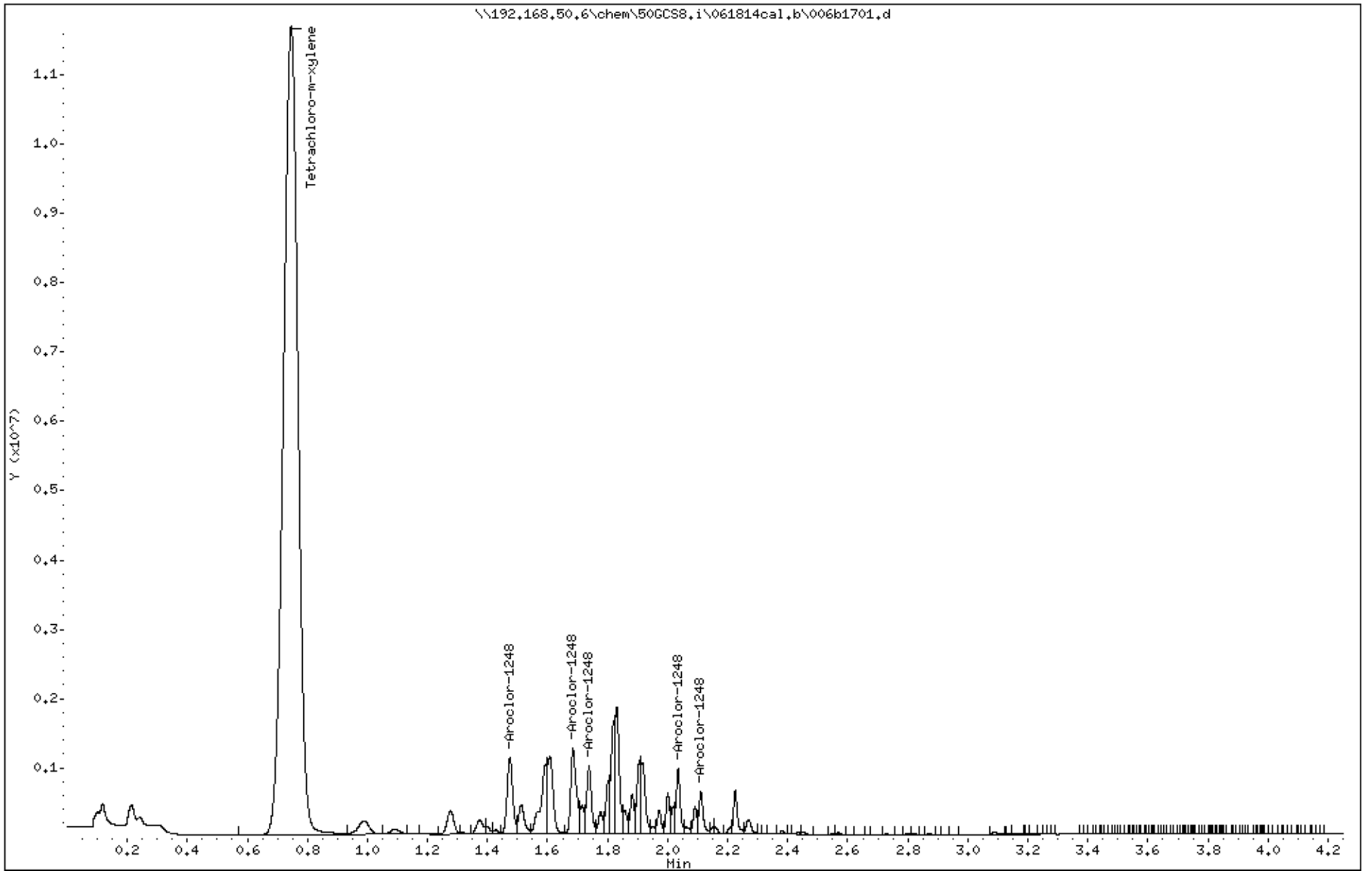
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\006b1701.d
Lab Smp Id: 1248-CAL4S,70975:1
Inj Date : 18-JUN-2014 16:39
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1248-cal4s,70975:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 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				
				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			
0.745	0.754	-0.009	39554750	0.50000	0.469			
48 Aroclor-1248					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\50GCS8.i\061814cal.b\006b1701.d
Date : 18-JUN-2014 16:39
Client ID:
Sample Info: 1248-CAL4S,70975:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

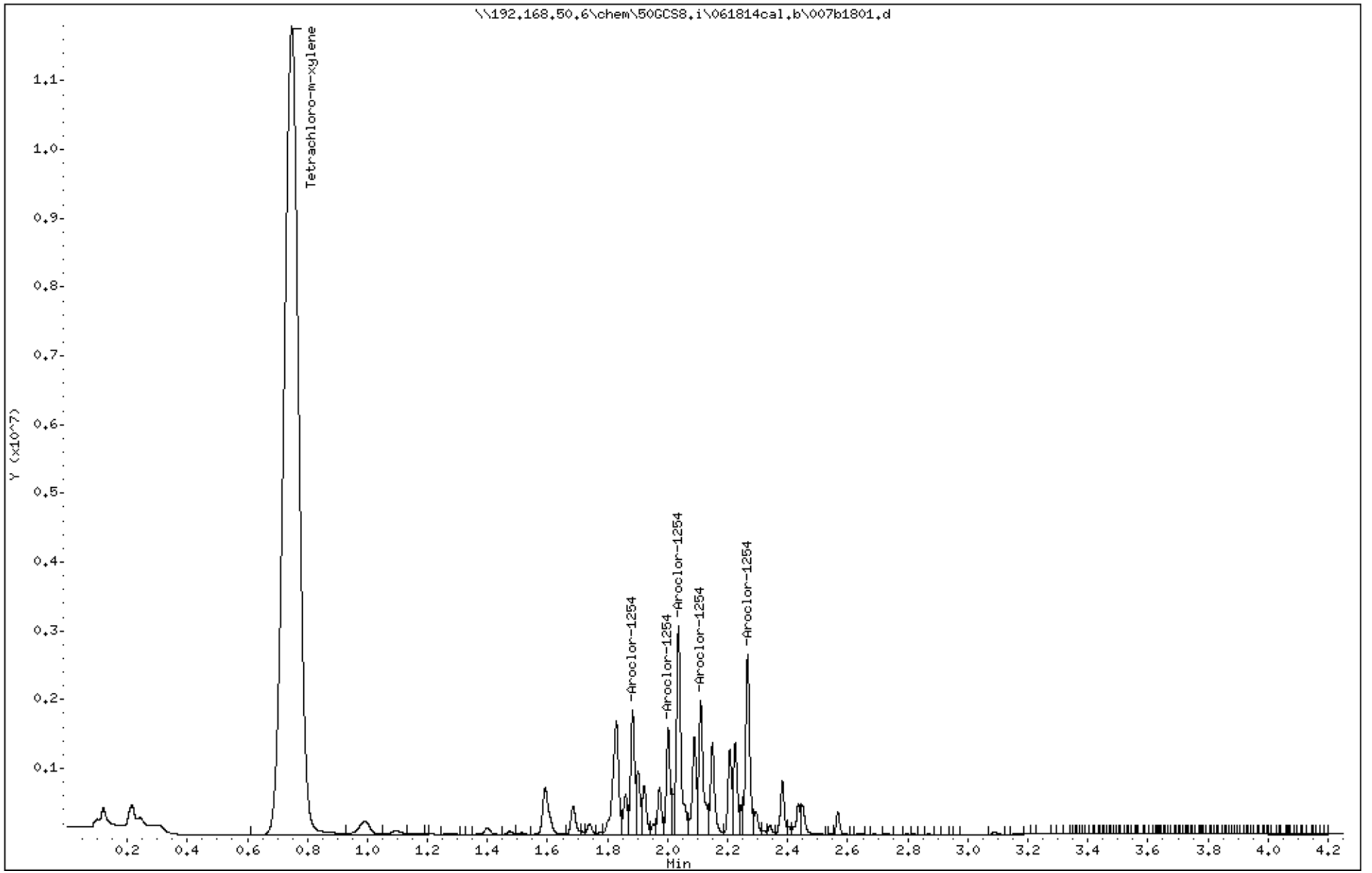
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\007b1801.d
Lab Smp Id: 1254-CAL4S,70976:1
Inj Date : 18-JUN-2014 16:44
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1254-cal4s,70976:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 16:44 Cal File: 007b1801.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 1254.sub
Target Version: 4.14 Sample Matrix: None

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.747	0.754	-0.007	40039411	0.50000	0.478			
49 Aroclor-1254					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\50GCS8.i\061814cal.b\007b1801.d
Date : 18-JUN-2014 16:44
Client ID:
Sample Info: 1254-CAL4S,70976:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

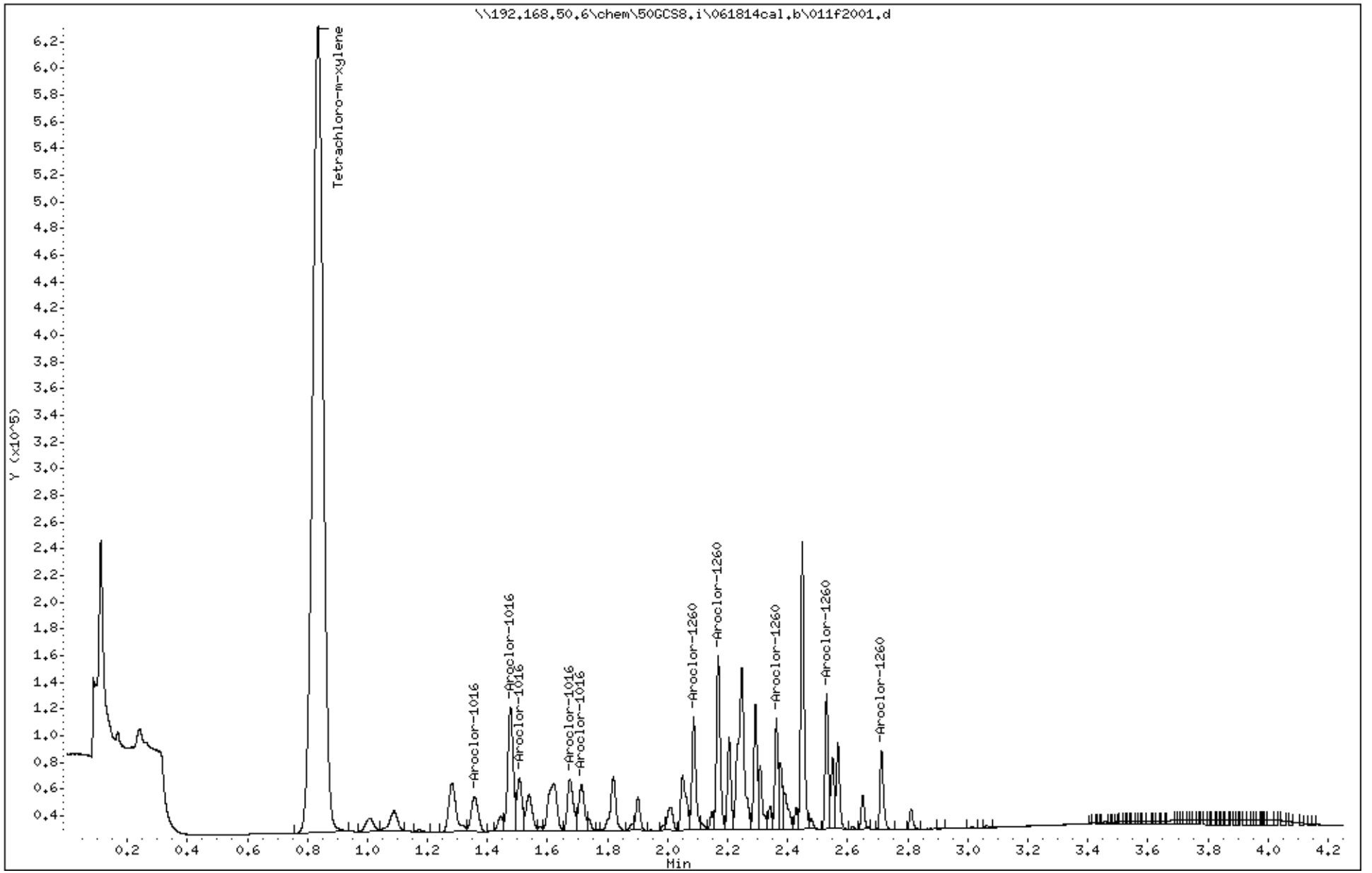
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\011f2001.d
Lab Smp Id: CAL1A,70979:1
Inj Date : 18-JUN-2014 16:56
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal1a,70979:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i 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				
				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			
0.835	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\011f2001.d
Date : 18-JUN-2014 16:56
Client ID:
Sample Info: CAL1A,70979:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

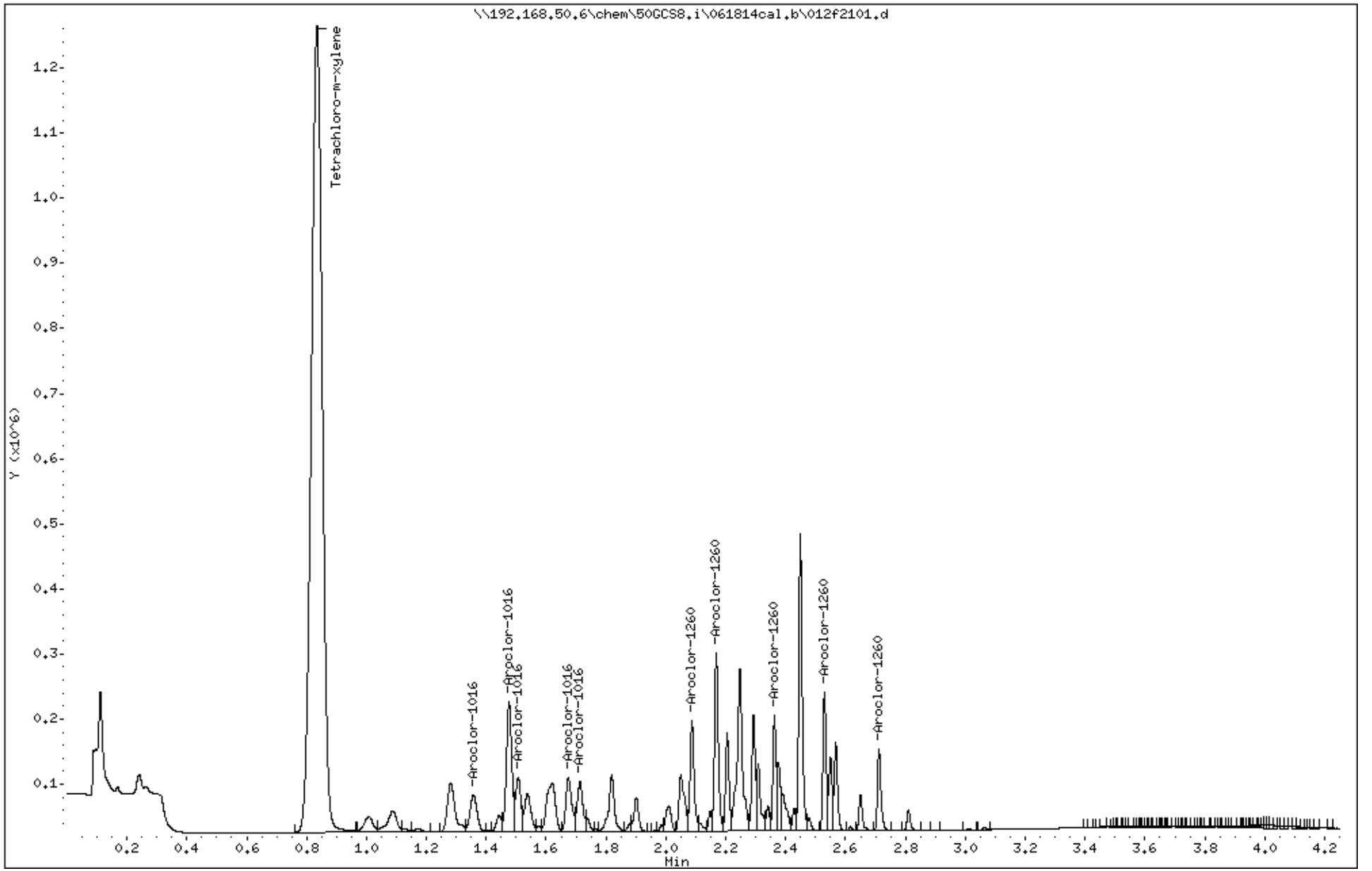
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\012f2101.d
Lab Smp Id: CAL2A,70980:1
Inj Date : 18-JUN-2014 17:02
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal2a,70980:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i 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				
				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			
0.833	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\50GCS8.i\061814cal.b\012f2101.d
Date : 18-JUN-2014 17:02
Client ID:
Sample Info: CAL2A,70980:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

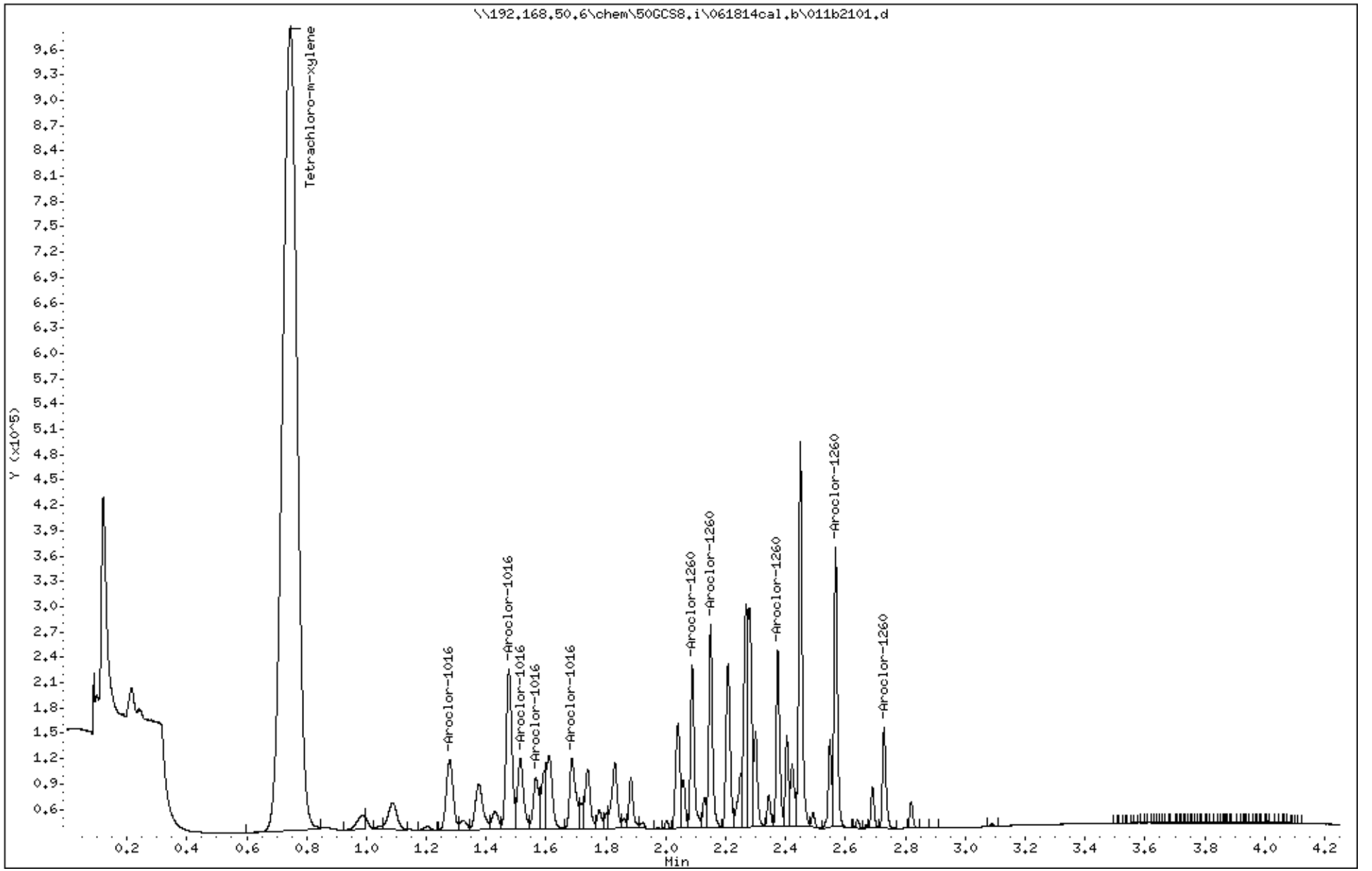
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\011b2101.d
Lab Smp Id: CAL1A,70979:1
Inj Date : 18-JUN-2014 17:02
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal1a,70979:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.745	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\011b2101.d
Date : 18-JUN-2014 17:02
Client ID:
Sample Info: CAL1A,70979:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

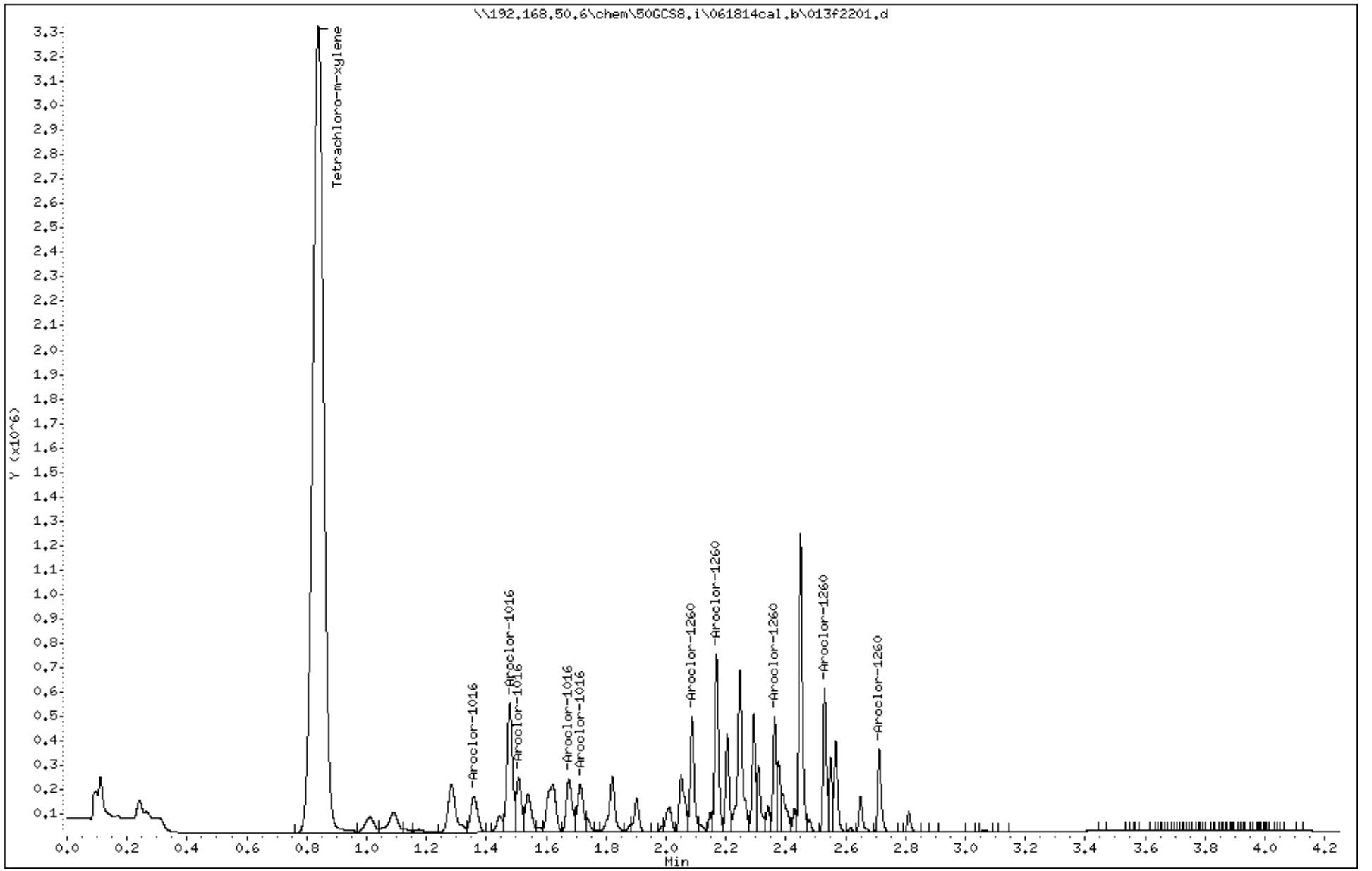
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\013f2201.d
Lab Smp Id: CAL3A,70981:1
Inj Date : 18-JUN-2014 17:08
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal3a,70981:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i 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				
				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		
0.839	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\013f2201.d
Date : 18-JUN-2014 17:08
Client ID:
Sample Info: CAL3A,70981:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

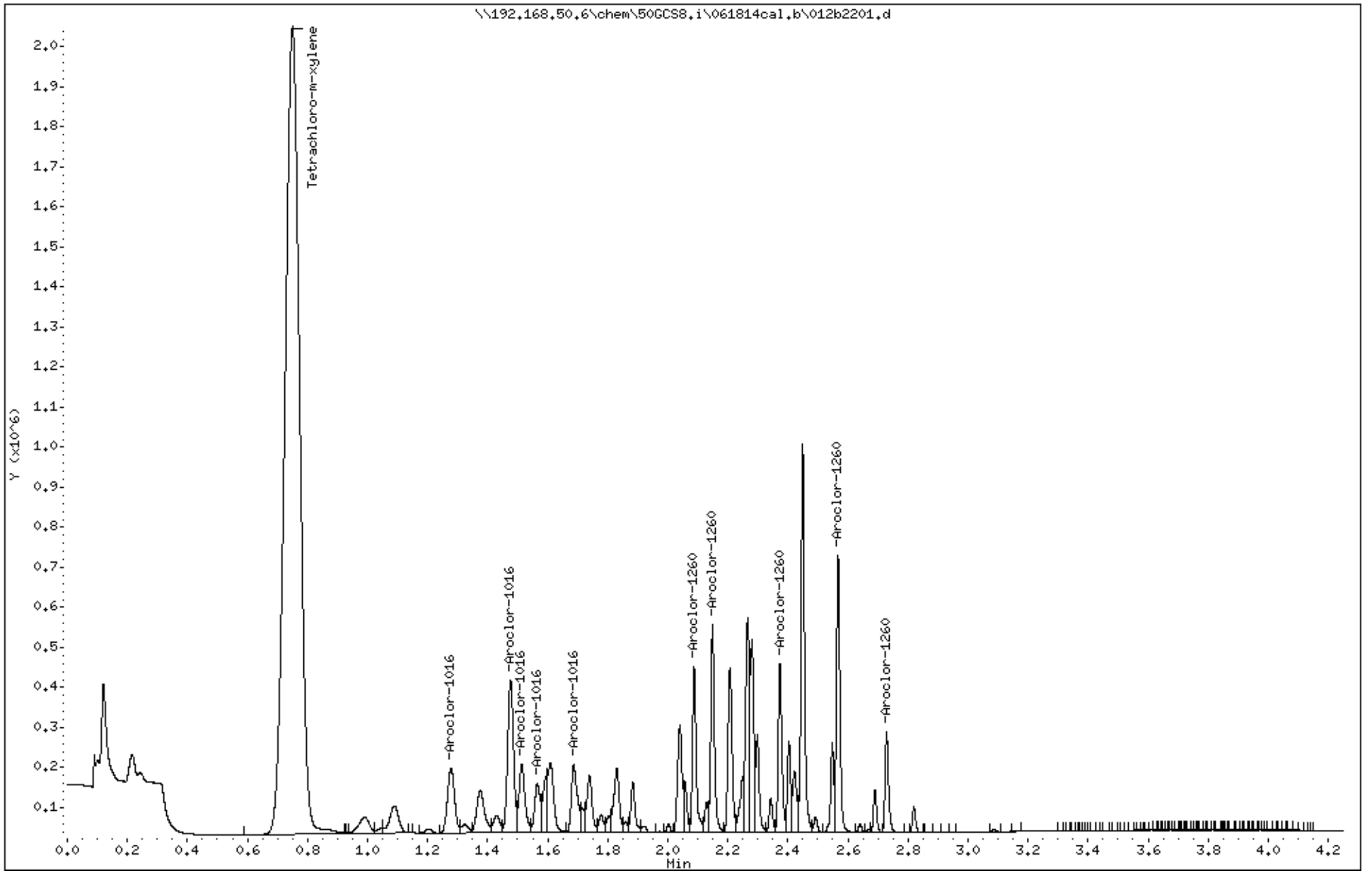
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\012b2201.d
Lab Smp Id: CAL2A,70980:1
Inj Date : 18-JUN-2014 17:08
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal2a,70980:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.750	0.754	-0.004	6843276	0.10000	0.093			
23 Aroclor-1016					CAS #: 12674-11-2			
1.278	1.280	-0.002	268876	0.10000	0.098	0.00-	0.00	100.00
1.476	1.477	-0.001	520853	0.10000	0.093	0.00-	0.00	193.71
1.513	1.515	-0.002	238247	0.10000	0.096	0.00-	0.00	88.61
1.565	1.567	-0.002	158327	0.10000	0.093	0.00-	0.00	58.88
1.686	1.686	0.000	231579	0.10000	0.095	0.00-	0.00	86.13
Average of Peak Amounts =					0.09500			
29 Aroclor-1260					CAS #: 11096-82-5			
2.088	2.088	0.000	360303	0.10000	0.097	0.00-	0.00	100.00
2.149	2.149	0.000	435350	0.10000	0.097	0.00-	0.00	120.83
2.373	2.373	0.000	352379	0.10000	0.096	0.00-	0.00	97.80
2.567	2.568	-0.001	561358	0.10000	0.093	0.00-	0.00	155.80
2.729	2.729	0.000	200805	0.10000	0.094	0.00-	0.00	55.73
Average of Peak Amounts =					0.09540			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\012b2201.d
Date : 18-JUN-2014 17:08
Client ID:
Sample Info: CAL2A,70980:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

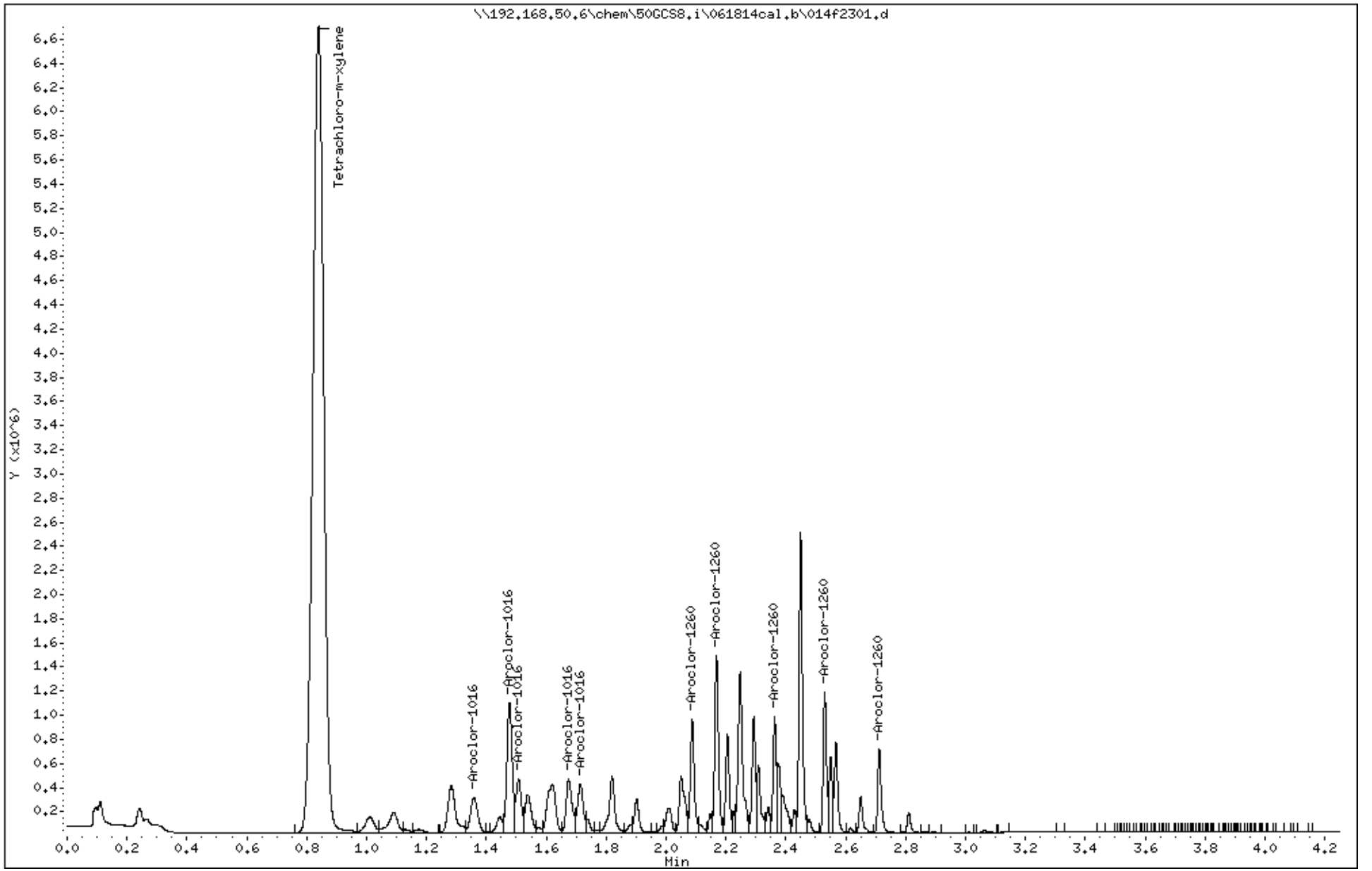
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\014f2301.d
Lab Smp Id: CAL4A,70982:1
Inj Date : 18-JUN-2014 17:13
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal4a,70982:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i 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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS 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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\014f2301.d
Date : 18-JUN-2014 17:13
Client ID:
Sample Info: CAL4A,70982:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

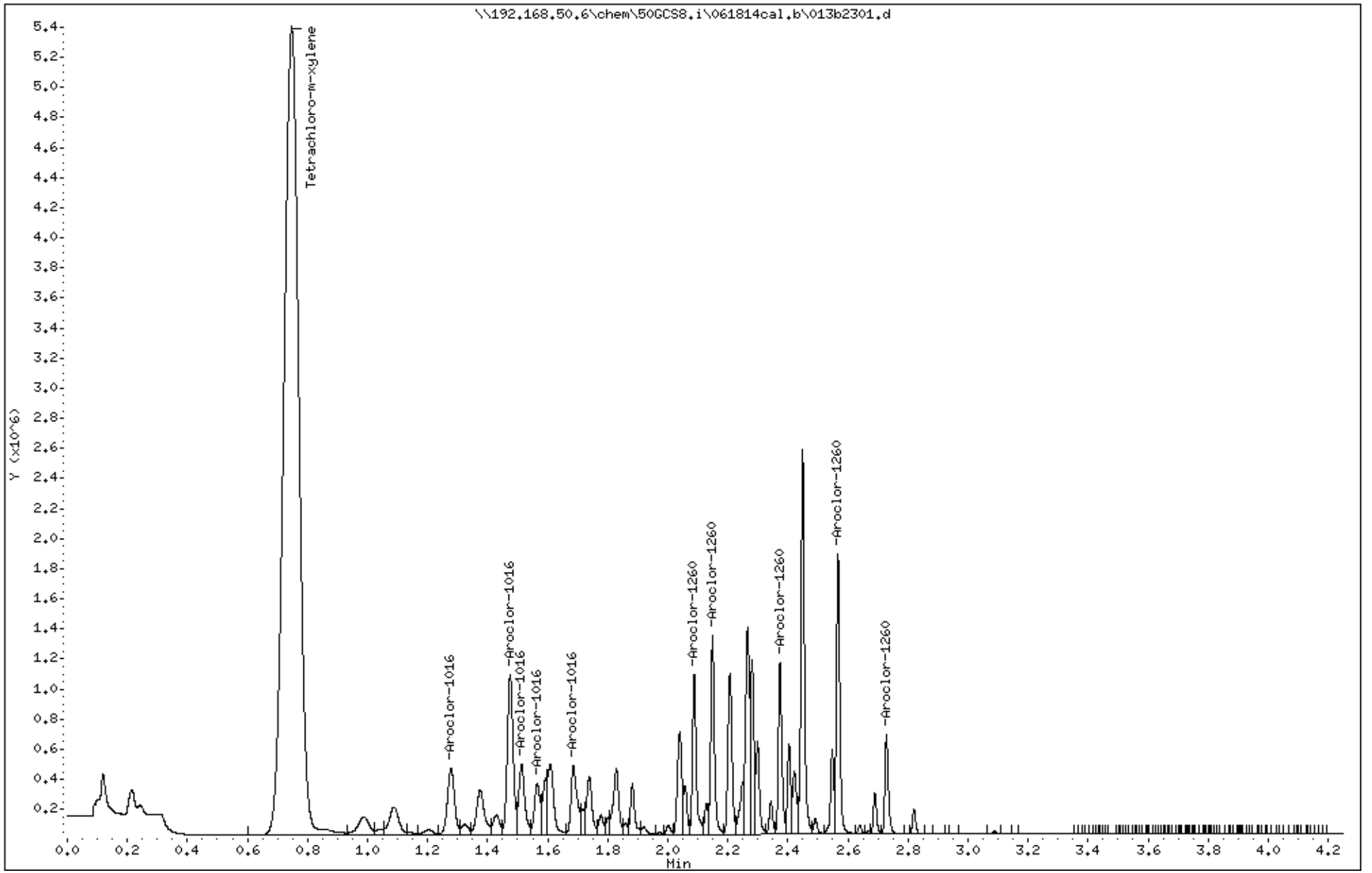
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\013b2301.d
Lab Smp Id: CAL3A,70981:1
Inj Date : 18-JUN-2014 17:13
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal3a,70981:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.747	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\013b2301.d
Date : 18-JUN-2014 17:13
Client ID:
Sample Info: CAL3A,70981:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\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

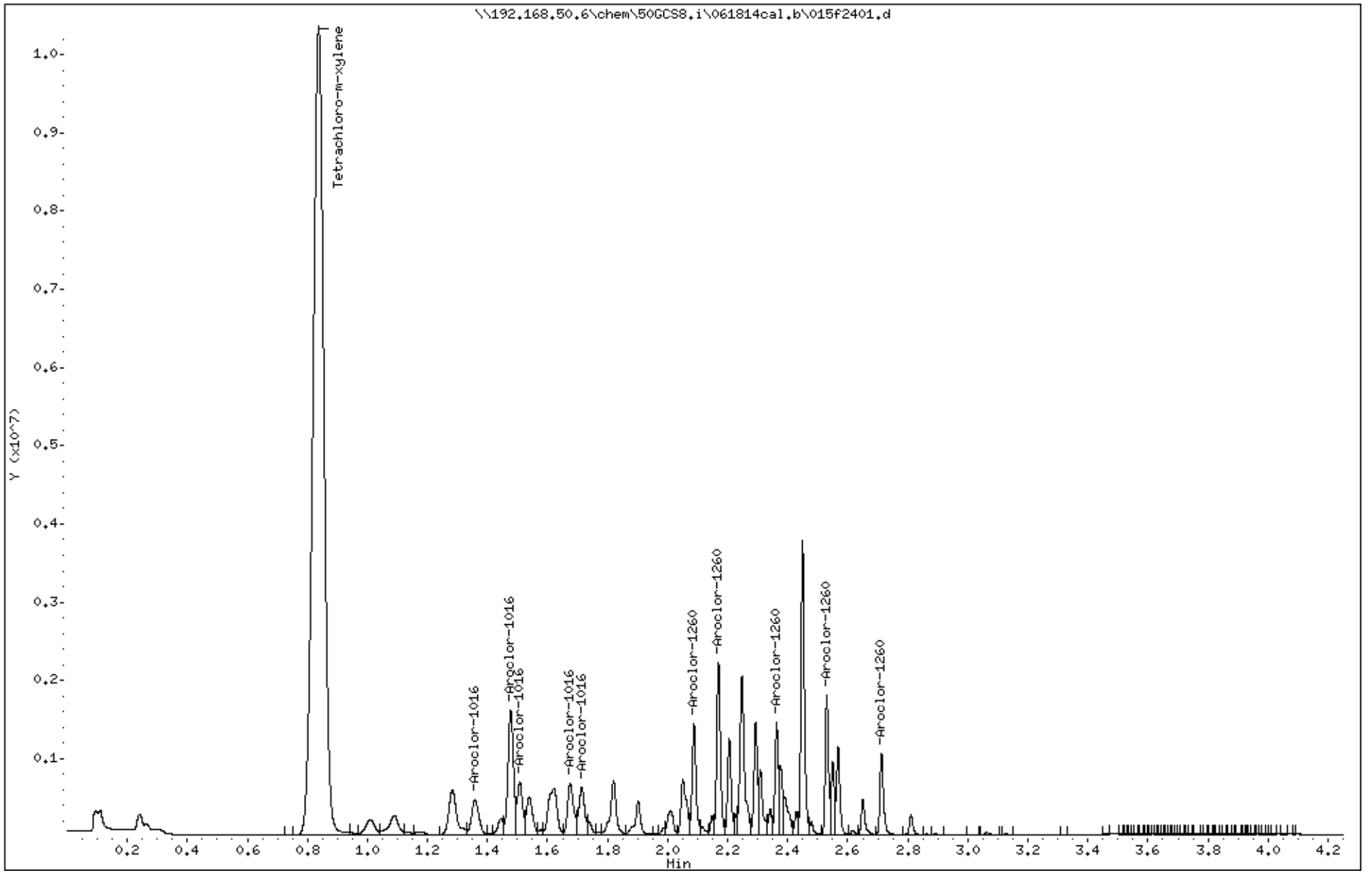
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.837	0.837	0.000	25888614	0.75000	0.785			
23 Aroclor-1016					CAS #: 12674-11-2			
1.357	1.357	0.000	749633	0.75000	0.800	0.00-	0.00	100.00
1.477	1.477	0.000	2032723	0.75000	0.786	0.00-	0.00	271.16
1.507	1.507	0.000	814635	0.75000	0.791	0.00-	0.00	108.67
1.675	1.674	0.001	912862	0.75000	0.794	0.00-	0.00	121.77
1.713	1.714	-0.001	812734	0.75000	0.797	0.00-	0.00	108.42
Average of Peak Amounts =					0.79360			
29 Aroclor-1260					CAS #: 11096-82-5			
2.087	2.087	0.000	1295684	0.75000	0.784	0.00-	0.00	100.00
2.168	2.168	0.000	1909646	0.75000	0.781	0.00-	0.00	147.39
2.362	2.362	0.000	1096638	0.75000	0.788	0.00-	0.00	84.64
2.529	2.529	0.000	1356829	0.75000	0.788	0.00-	0.00	104.72
2.712	2.711	0.001	863751	0.75000	0.789	0.00-	0.00	66.66
Average of Peak Amounts =					0.78600			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\015f2401.d
Date : 18-JUN-2014 17:19
Client ID:
Sample Info: CAL5A,70983:1

Instrument: 50GCS8.i

Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

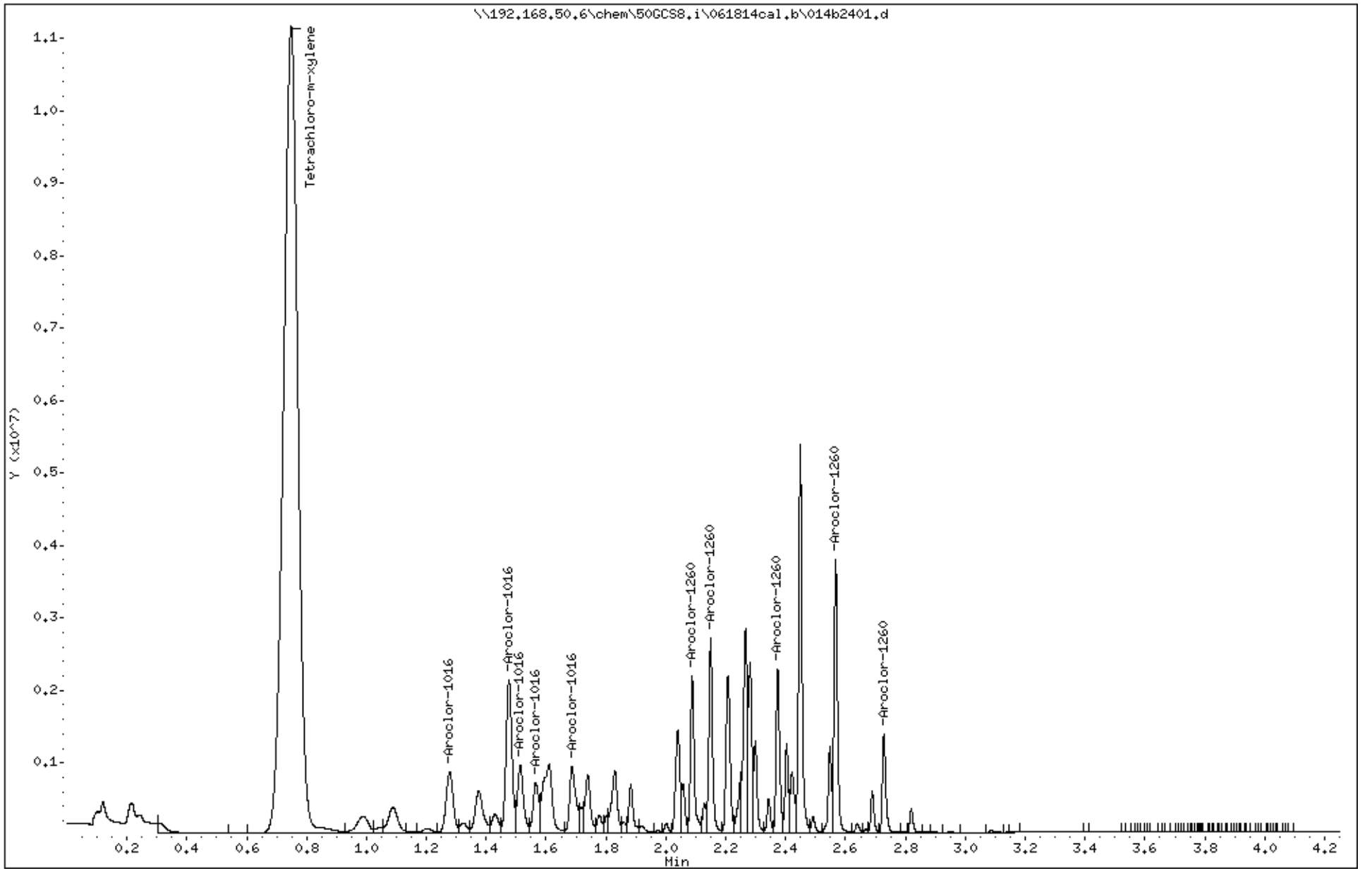
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\014b2401.d
Lab Smp Id: CAL4A,70982:1
Inj Date : 18-JUN-2014 17:19
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal4a,70982:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.748	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\50GCS8.i\061814cal.b\014b2401.d
Date : 18-JUN-2014 17:19
Client ID:
Sample Info: CAL4A,70982:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\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

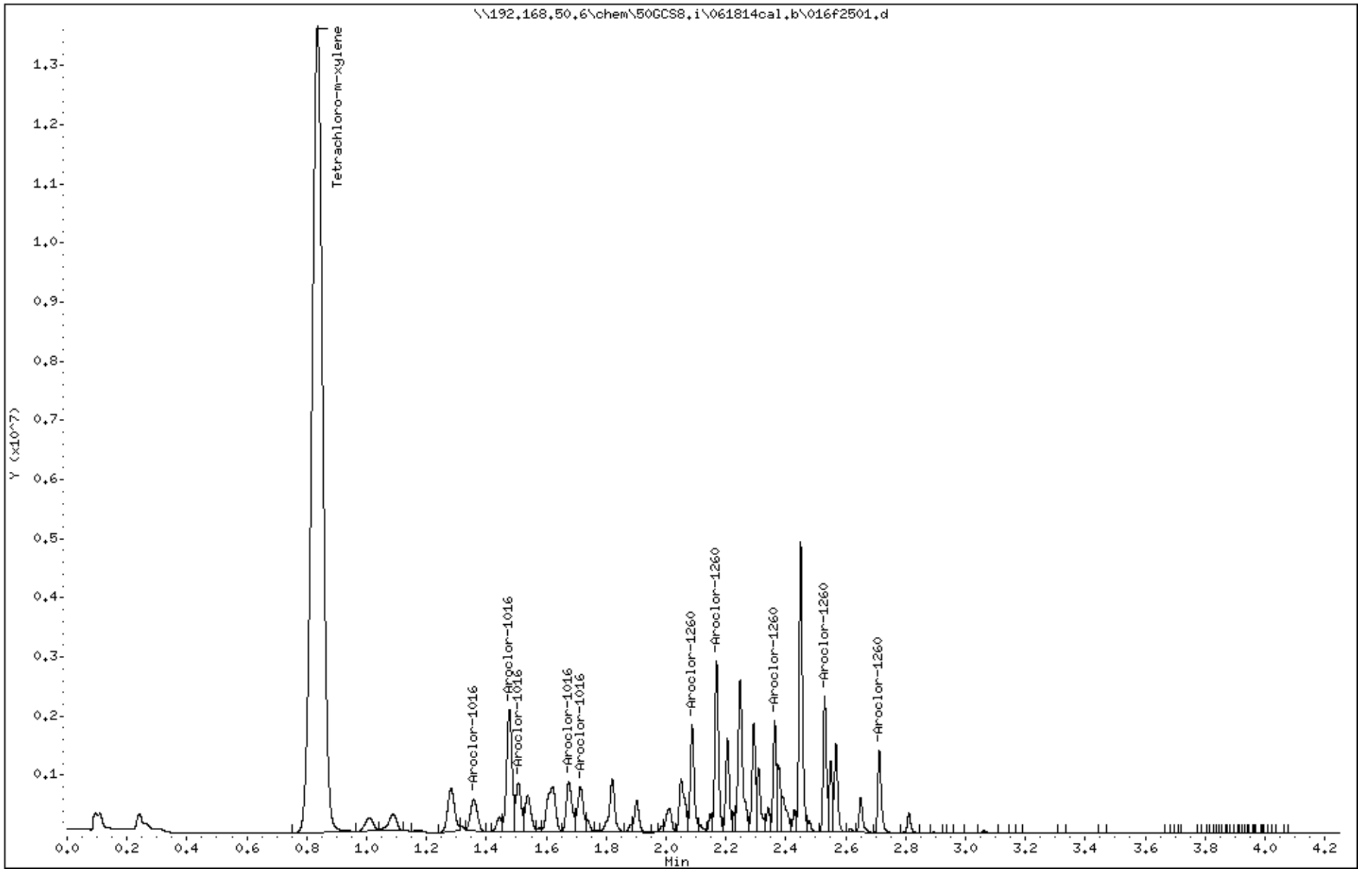
				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.836	0.837	-0.001	34045155	1.00000	1.033			
23 Aroclor-1016					CAS #: 12674-11-2			
1.357	1.357	0.000	874084	1.00000	0.933	0.00-	0.00	100.00
1.477	1.477	0.000	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\50GCS8.i\061814cal.b\016f2501.d
Date : 18-JUN-2014 17:25
Client ID:
Sample Info: CAL6A,70984:1

Column phase:

Instrument: 50GCS8.i

Operator: DMT
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

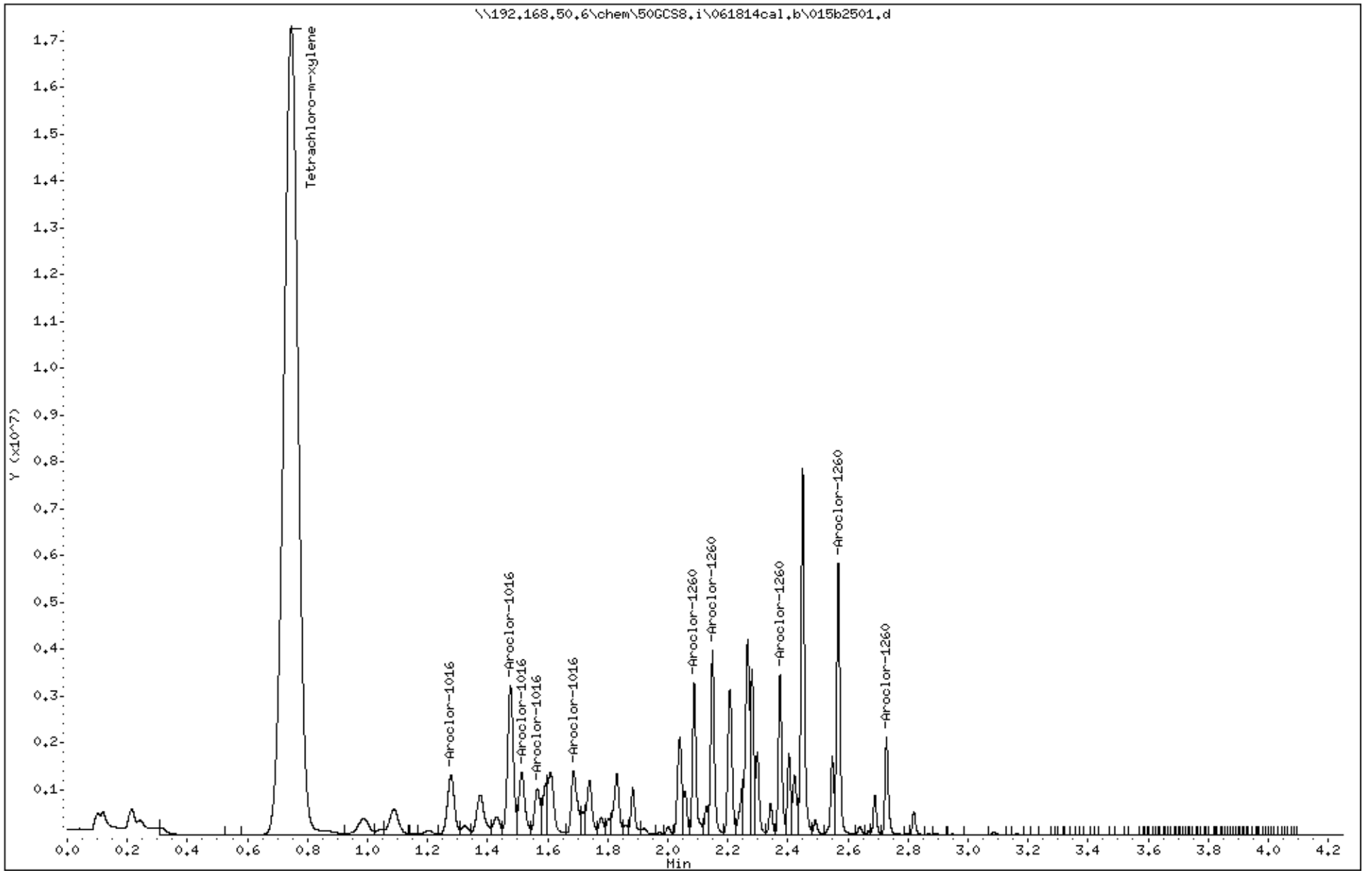
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\015b2501.d
Lab Smp Id: CAL5A,70983:1
Inj Date : 18-JUN-2014 17:25
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal5a,70983:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.747	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\015b2501.d
Date : 18-JUN-2014 17:25
Client ID:
Sample Info: CAL5A,70983:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

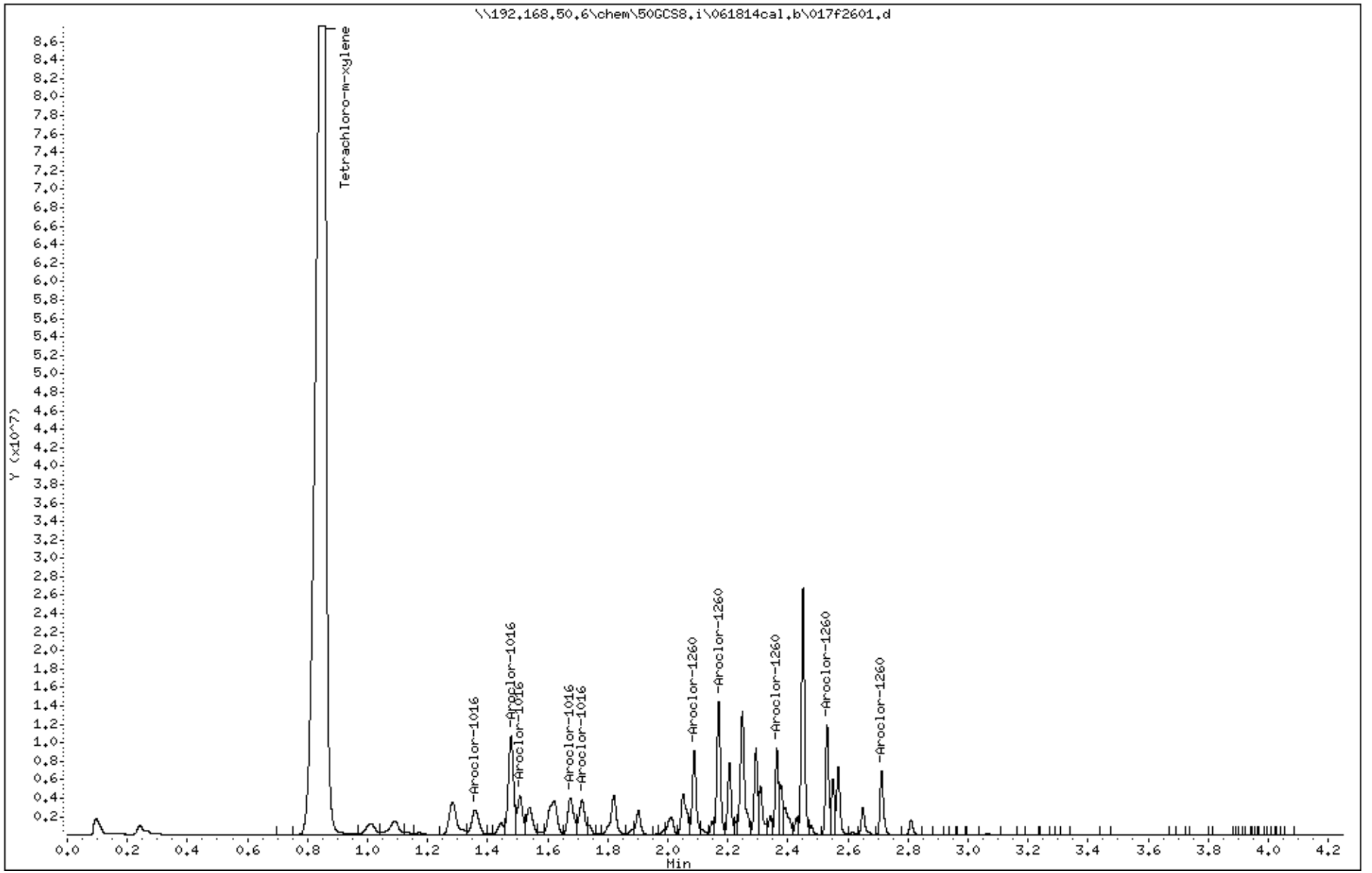
PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\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				
				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			
0.858	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\017f2601.d
Date : 18-JUN-2014 17:31
Client ID:
Sample Info: CAL7A,71044:1

Instrument: 50GCS8.i
Operator: DMT
Column phase:
Column diameter: 0.00



Pace Analytical Services, Inc.

PCB by Method 8082A

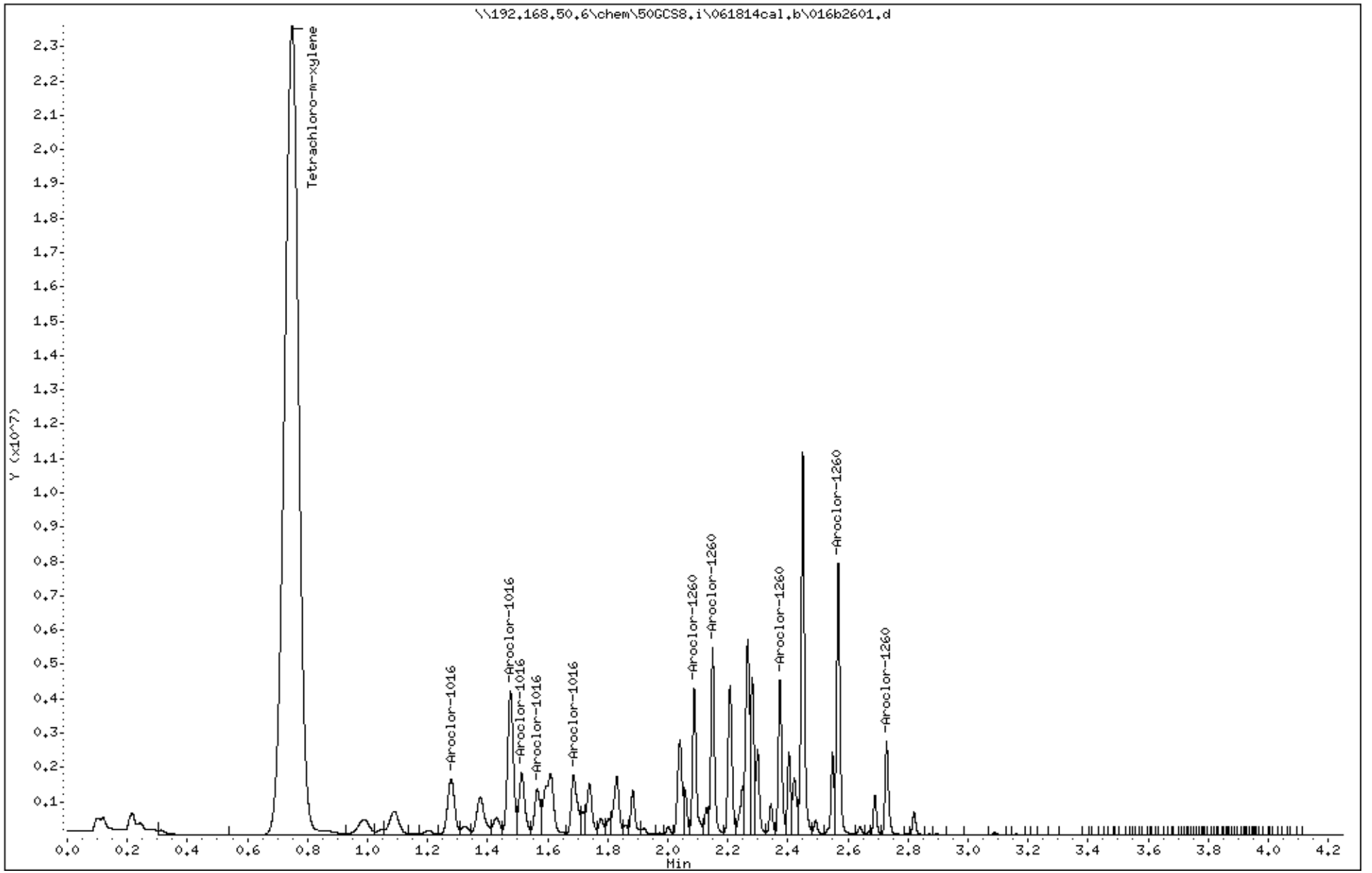
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\016b2601.d
Lab Smp Id: CAL6A,70984:1
Inj Date : 18-JUN-2014 17:31
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal6a,70984:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.749	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				

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\016b2601.d
Date : 18-JUN-2014 17:31
Client ID:
Sample Info: CAL6A,70984:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

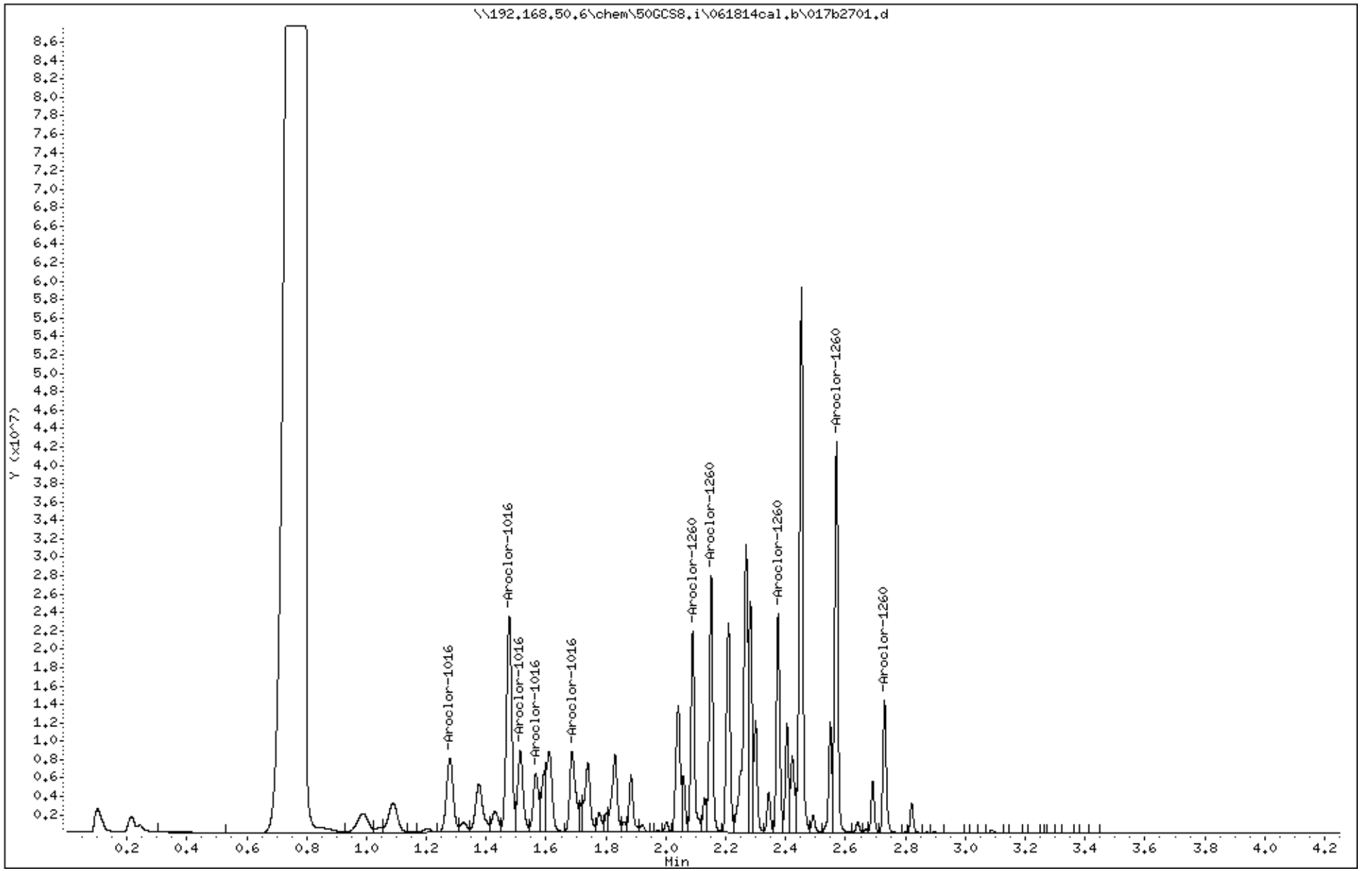
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\017b2701.d
Lab Smp Id: CAL7A,71044:1
Inj Date : 18-JUN-2014 17:36
Operator : DMT Inst ID: 50GCS8.i
Smp Info : cal7a,71044:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ug/mL)	ON-COL (ug/mL)	TARGET RANGE		RATIO
23 Aroclor-1016					CAS #: 12674-11-2			
1.278	1.280	-0.002	12638071	5.00000	4.626	0.00-	0.00	100.00
1.476	1.477	-0.001	29175803	5.00000	5.247	0.00-	0.00	230.86
1.513	1.515	-0.002	11395561	5.00000	4.624	0.00-	0.00	90.17
1.565	1.567	-0.002	7963386	5.00000	4.720	0.00-	0.00	63.01
1.686	1.686	0.000	11727218	5.00000	4.823	0.00-	0.00	92.79
Average of Peak Amounts =					4.80800			
29 Aroclor-1260					CAS #: 11096-82-5			
2.089	2.088	0.001	18937863	5.00000	5.116	0.00-	0.00	100.00
2.151	2.149	0.002	22725034	5.00000	5.109	0.00-	0.00	120.00
2.374	2.373	0.001	18883857	5.00000	5.193	0.00-	0.00	99.71
2.569	2.568	0.001	33573035	5.00000	5.593	0.00-	0.00	177.28
2.730	2.729	0.001	11146231	5.00000	5.269	0.00-	0.00	58.86
Average of Peak Amounts =					5.25600			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\017b2701.d
Date : 18-JUN-2014 17:36
Client ID:
Sample Info: CAL7A,71044:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

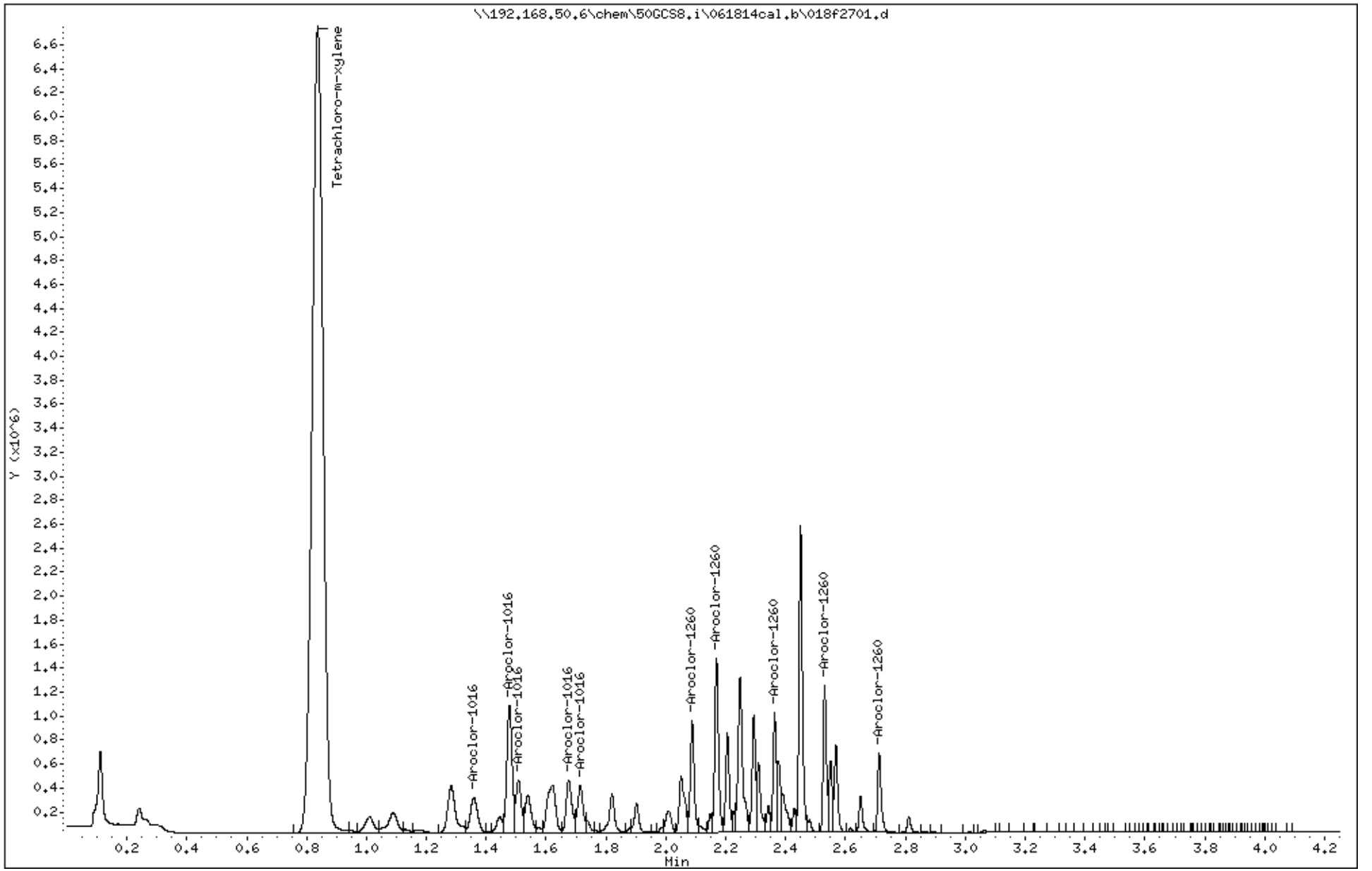
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\018f2701.d
Lab Smp Id: ICV,70985:1
Inj Date : 18-JUN-2014 17:36
Operator : DMT Inst ID: 50GCS8.i
Smp Info : icv,70985:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082f.m
Meth Date : 19-Jun-2014 13:09 50GCS8.i 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				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/mL)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.837	0.837	0.000	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\018f2701.d
Date : 18-JUN-2014 17:36
Client ID:
Sample Info: ICV,70985:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

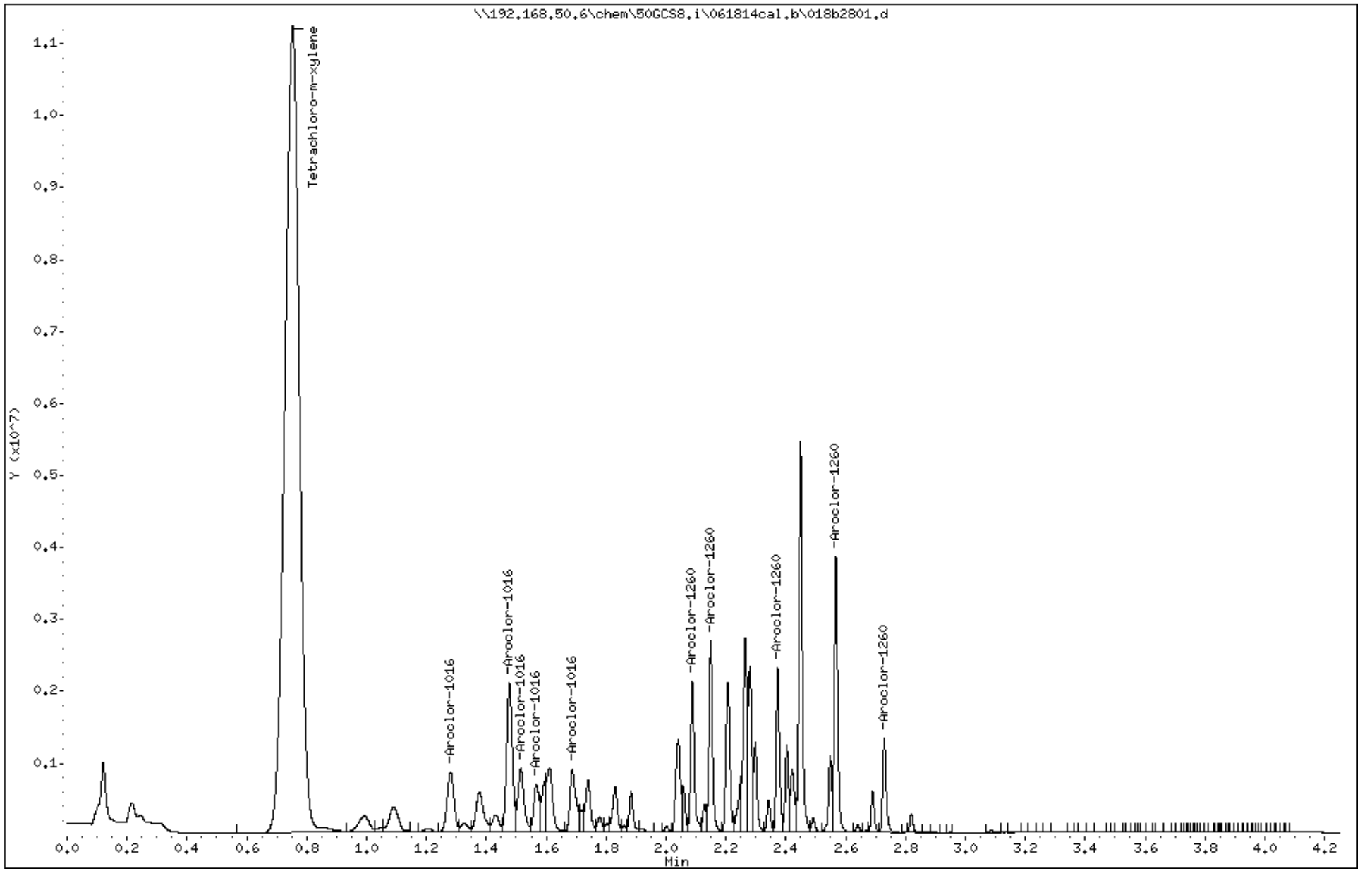
Data file : \\192.168.50.6\chem\50GCS8.i\061814cal.b\018b2801.d
Lab Smp Id: ICV,70985:1
Inj Date : 18-JUN-2014 17:42
Operator : DMT Inst ID: 50GCS8.i
Smp Info : icv,70985:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\061814cal.b\8082r.m
Meth Date : 19-Jun-2014 13:06 50GCS8.i 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				
				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			
0.754	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			

Data File: \\192.168.50.6\chem\50GCS8.i\061814cal.b\018b2801.d
Date : 18-JUN-2014 17:42
Client ID:
Sample Info: ICV,70985:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

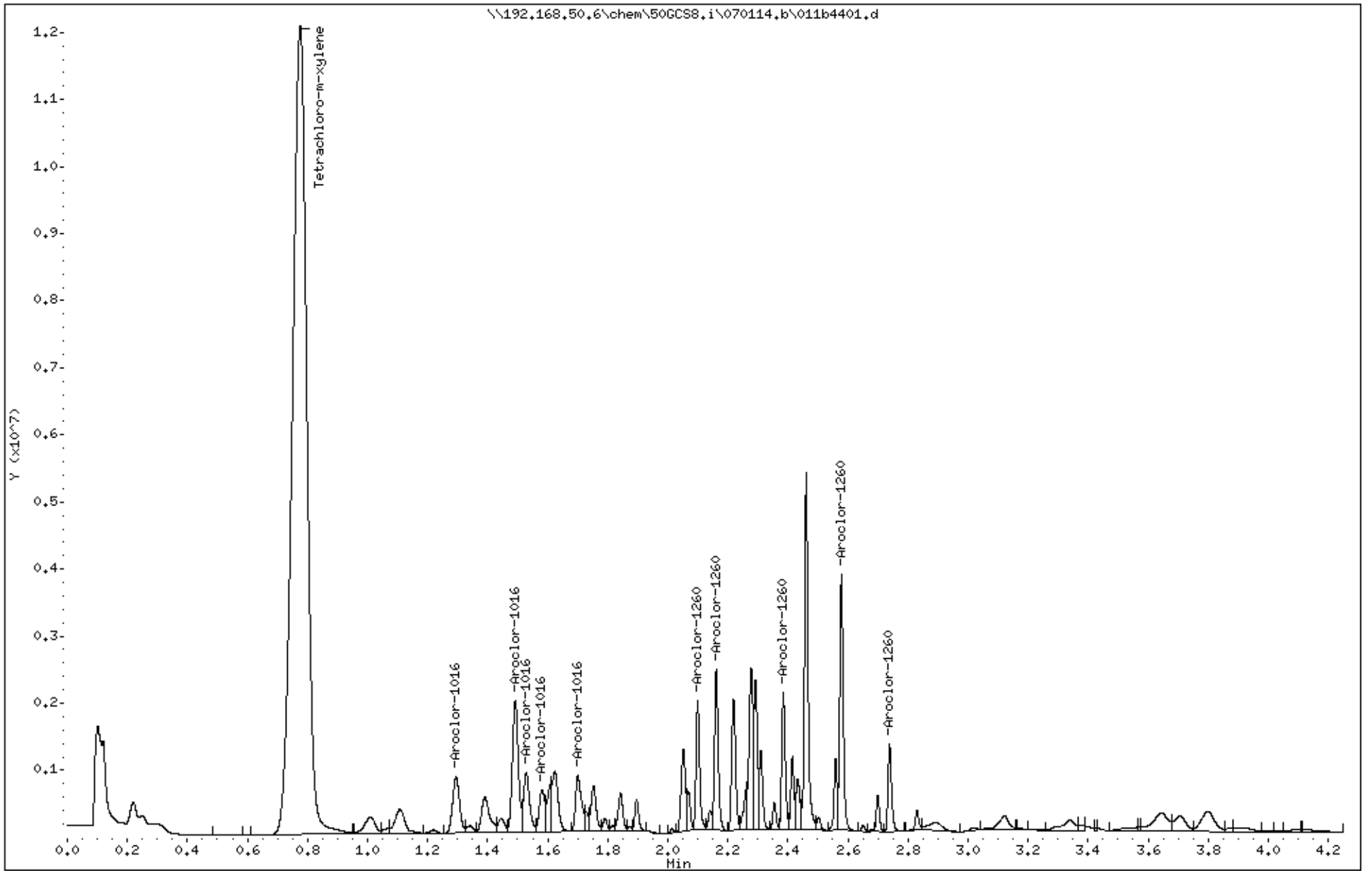
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\011b4401.d
Lab Smp Id: CCV,71569:1
Inj Date : 01-JUL-2014 16:58
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71569:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.775	0.766	0.009	40113635	0.50000	0.549			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	1355264	0.50000	0.496	0.00-	0.00	100.00
1.492	1.491	0.001	2696679	0.50000	0.485	0.00-	0.00	198.98
1.528	1.527	0.001	1251254	0.50000	0.507	0.00-	0.00	92.33
1.581	1.580	0.001	829205	0.50000	0.491	0.00-	0.00	61.18
1.700	1.699	0.001	1133928	0.50000	0.466	0.00-	0.00	83.67
Average of Peak Amounts =					0.48900			
29 Aroclor-1260					CAS #: 11096-82-5			
2.100	2.101	-0.001	1635951	0.50000	0.442	0.00-	0.00	100.00
2.161	2.163	-0.002	2045435	0.50000	0.459	0.00-	0.00	125.03
2.385	2.386	-0.001	1681168	0.50000	0.462	0.00-	0.00	102.76
2.578	2.581	-0.003	3098979	0.50000	0.516	0.00-	0.00	189.43
2.739	2.742	-0.003	1065783	0.50000	0.503	0.00-	0.00	65.15
Average of Peak Amounts =					0.47640			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\011b4401.d
Date : 01-JUL-2014 16:58
Client ID:
Sample Info: CCV,71569:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

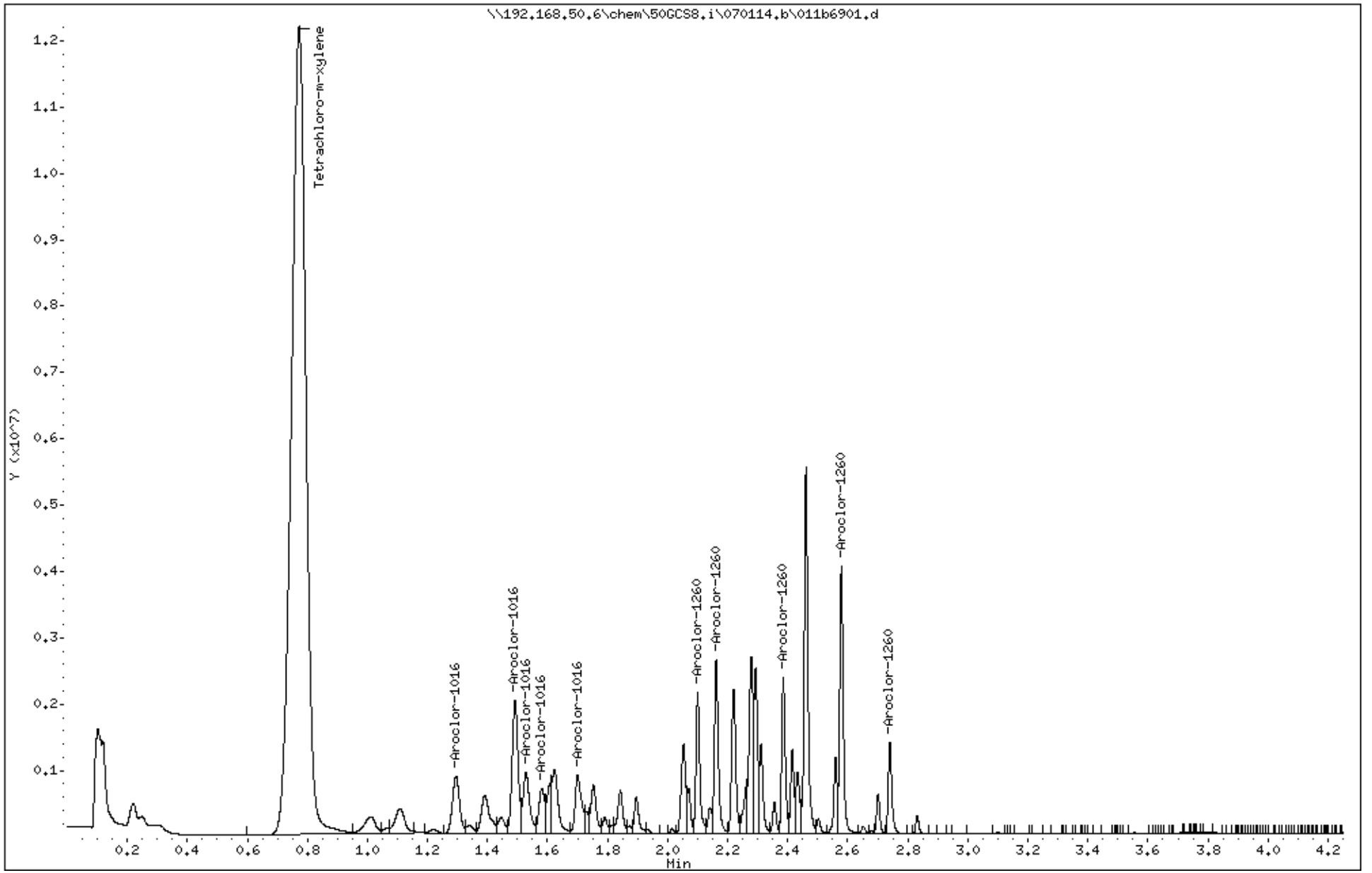
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\011b6901.d
Lab Smp Id: CCV,71569:1
Inj Date : 01-JUL-2014 19:22
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71569:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.772	0.766	0.006	41006530	0.50000	0.561			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	1425543	0.50000	0.521	0.00-	0.00	100.00
1.491	1.491	0.000	2790981	0.50000	0.501	0.00-	0.00	195.78
1.528	1.527	0.001	1378691	0.50000	0.559	0.00-	0.00	96.71
1.580	1.580	0.000	923191	0.50000	0.547	0.00-	0.00	64.76
1.700	1.699	0.001	1270768	0.50000	0.522	0.00-	0.00	89.14
Average of Peak Amounts =					0.53000			
29 Aroclor-1260					CAS #: 11096-82-5			
2.099	2.101	-0.002	1913923	0.50000	0.517	0.00-	0.00	100.00
2.161	2.163	-0.002	2386638	0.50000	0.536	0.00-	0.00	124.70
2.385	2.386	-0.001	1948345	0.50000	0.535	0.00-	0.00	101.80
2.578	2.581	-0.003	3362960	0.50000	0.560	0.00-	0.00	175.71
2.739	2.742	-0.003	1154403	0.50000	0.545	0.00-	0.00	60.32
Average of Peak Amounts =					0.53860			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\011b6901.d
Date : 01-JUL-2014 19:22
Client ID:
Sample Info: CCV,71569:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

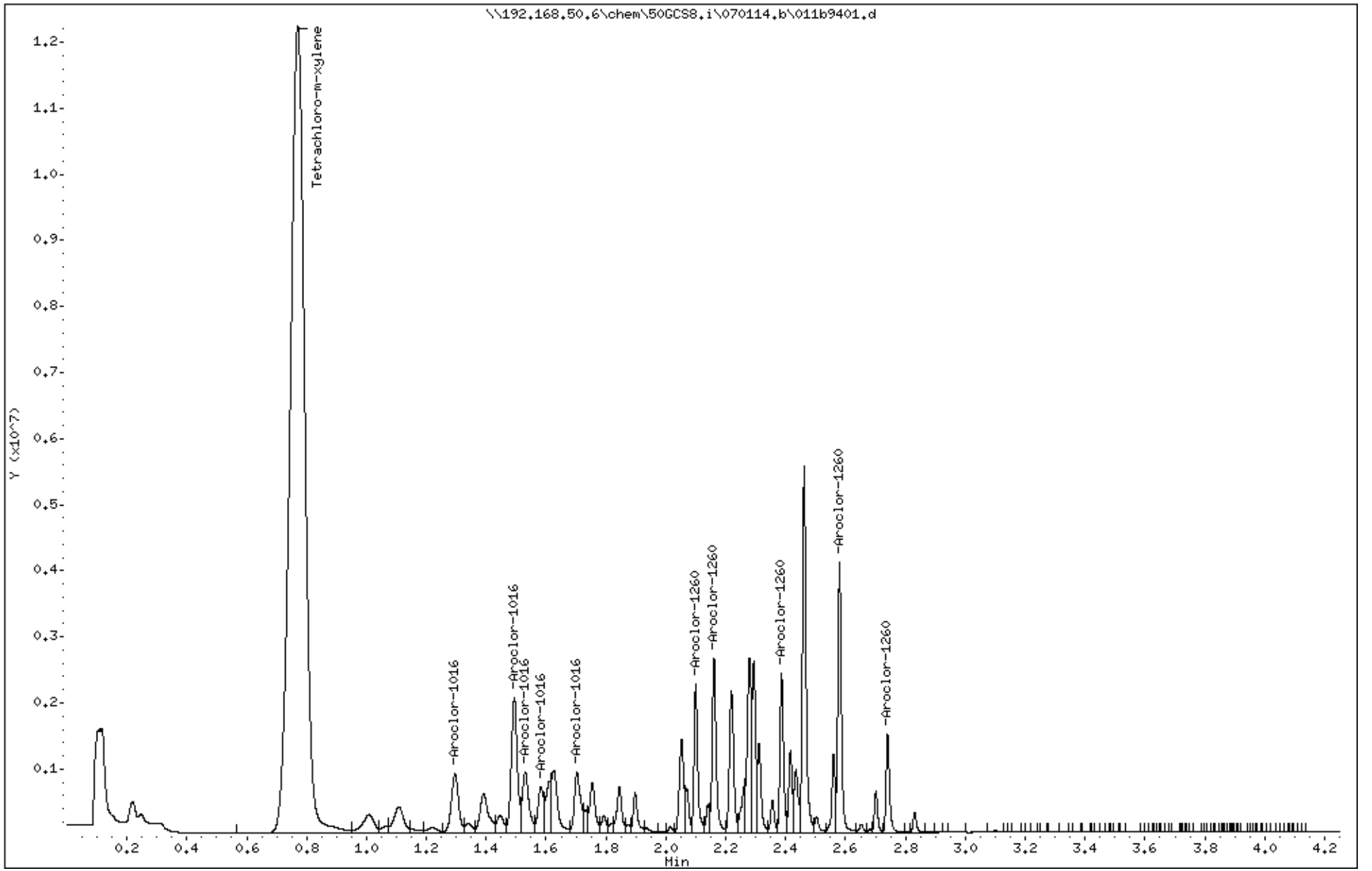
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\011b9401.d
Lab Smp Id: CCV,71569:1
Inj Date : 01-JUL-2014 21:47
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71569:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.770	0.766	0.004	41414380	0.50000	0.567			
23 Aroclor-1016					CAS #: 12674-11-2			
1.295	1.291	0.004	1505443	0.50000	0.551	0.00-	0.00	100.00
1.493	1.491	0.002	2856109	0.50000	0.513	0.00-	0.00	189.72
1.529	1.527	0.002	1425254	0.50000	0.578	0.00-	0.00	94.67
1.582	1.580	0.002	938449	0.50000	0.556	0.00-	0.00	62.34
1.702	1.699	0.003	1308455	0.50000	0.538	0.00-	0.00	86.91
Average of Peak Amounts =					0.54720			
29 Aroclor-1260					CAS #: 11096-82-5			
2.099	2.101	-0.002	1947603	0.50000	0.526	0.00-	0.00	100.00
2.160	2.163	-0.003	2422158	0.50000	0.544	0.00-	0.00	124.37
2.386	2.386	0.000	1975907	0.50000	0.543	0.00-	0.00	101.45
2.579	2.581	-0.002	3413972	0.50000	0.568	0.00-	0.00	175.29
2.739	2.742	-0.003	1203077	0.50000	0.568	0.00-	0.00	61.77
Average of Peak Amounts =					0.54980			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\011b9401.d
Date : 01-JUL-2014 21:47
Client ID:
Sample Info: CCV,71569:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

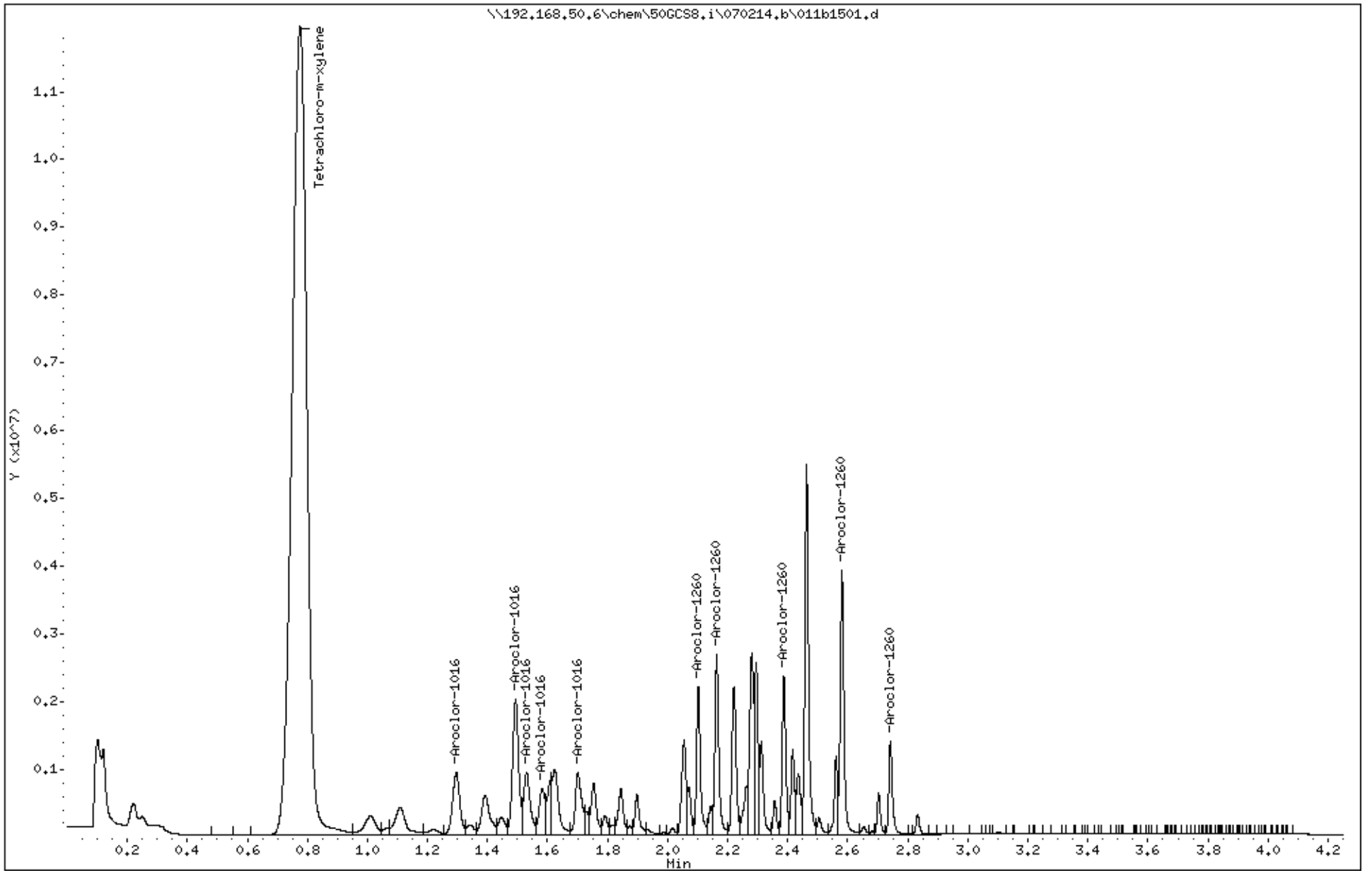
Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\011b1501.d
Lab Smp Id: CCV,71826:1
Inj Date : 02-JUL-2014 22:05
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71826:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
Meth Date : 03-Jul-2014 13:44 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.774	0.766	0.008	41162385	0.50000	0.563			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	1556233	0.50000	0.569	0.00-	0.00	100.00
1.493	1.491	0.002	2838965	0.50000	0.510	0.00-	0.00	182.43
1.529	1.527	0.002	1409926	0.50000	0.572	0.00-	0.00	90.60
1.581	1.580	0.001	943898	0.50000	0.559	0.00-	0.00	60.65
1.700	1.699	0.001	1348726	0.50000	0.554	0.00-	0.00	86.67
Average of Peak Amounts =					0.55280			
29 Aroclor-1260					CAS #: 11096-82-5			
2.101	2.101	0.000	1968025	0.50000	0.531	0.00-	0.00	100.00
2.163	2.163	0.000	2421873	0.50000	0.544	0.00-	0.00	123.06
2.386	2.386	0.000	1981301	0.50000	0.544	0.00-	0.00	100.67
2.580	2.581	-0.001	3342944	0.50000	0.556	0.00-	0.00	169.86
2.741	2.742	-0.001	1178639	0.50000	0.557	0.00-	0.00	59.89
Average of Peak Amounts =					0.54640			

Data File: \\192.168.50.6\chem\50GCS8.i\070214.b\011b1501.d
Date : 02-JUL-2014 22:05
Client ID:
Sample Info: CCV,71826:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

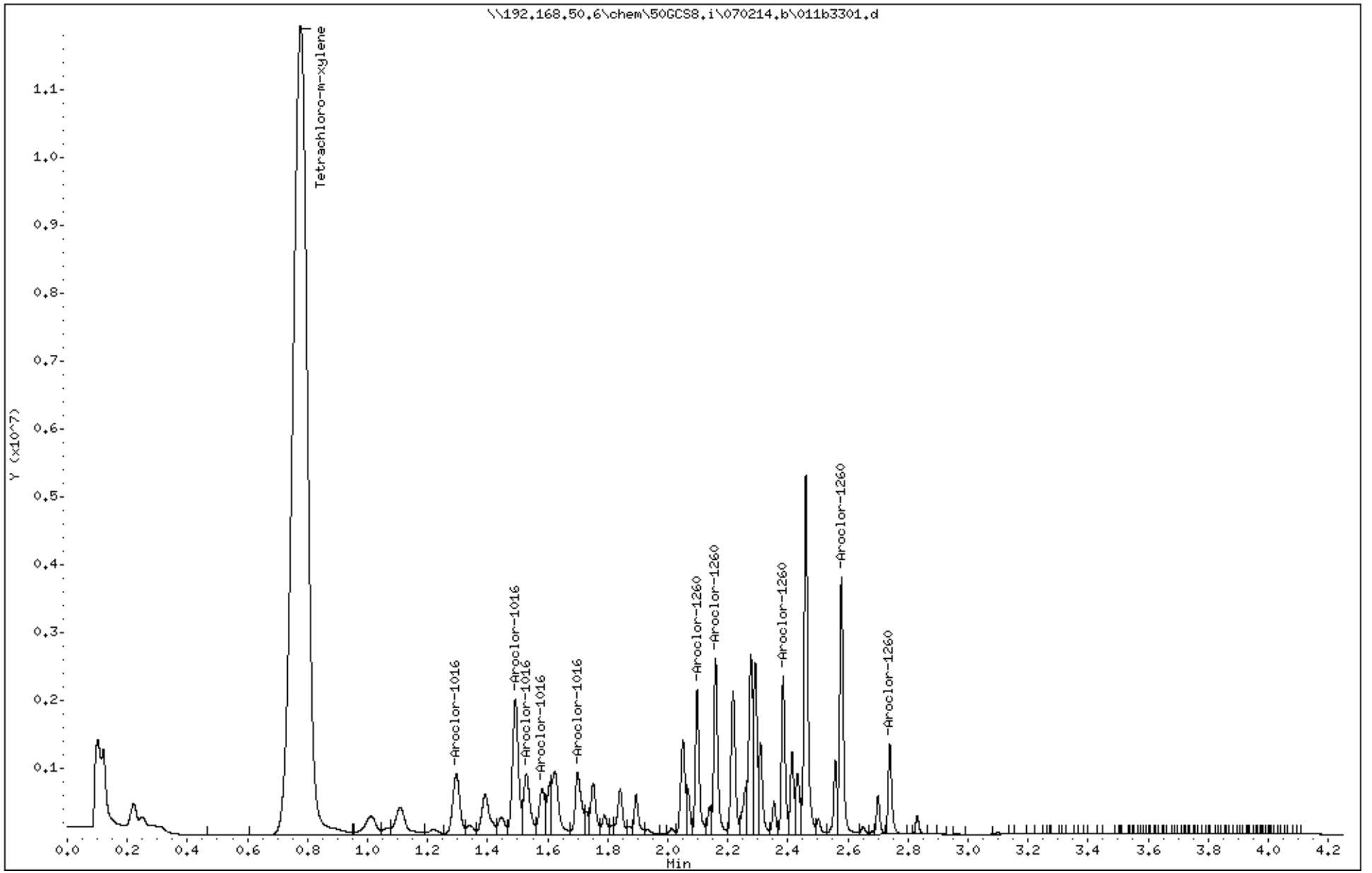
Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\011b3301.d
Lab Smp Id: CCV,71826:1
Inj Date : 02-JUL-2014 23:49
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71826:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
Meth Date : 03-Jul-2014 13:44 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.776	0.766	0.010	40443912	0.50000	0.553			
23 Aroclor-1016					CAS #: 12674-11-2			
1.296	1.291	0.005	1509212	0.50000	0.552	0.00-	0.00	100.00
1.492	1.491	0.001	2764727	0.50000	0.497	0.00-	0.00	183.19
1.529	1.527	0.002	1373199	0.50000	0.557	0.00-	0.00	90.99
1.581	1.580	0.001	920368	0.50000	0.545	0.00-	0.00	60.98
1.700	1.699	0.001	1289740	0.50000	0.530	0.00-	0.00	85.46
Average of Peak Amounts =					0.53620			
29 Aroclor-1260					CAS #: 11096-82-5			
2.098	2.101	-0.003	1917311	0.50000	0.518	0.00-	0.00	100.00
2.159	2.163	-0.004	2378764	0.50000	0.534	0.00-	0.00	124.07
2.384	2.386	-0.002	1942328	0.50000	0.534	0.00-	0.00	101.30
2.578	2.581	-0.003	3222217	0.50000	0.536	0.00-	0.00	168.06
2.739	2.742	-0.003	1111827	0.50000	0.525	0.00-	0.00	57.99
Average of Peak Amounts =					0.52940			

Data File: \\192.168.50.6\chem\50GCS8.i\070214.b\011b3301.d
Date : 02-JUL-2014 23:49
Client ID:
Sample Info: CCV,71826:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

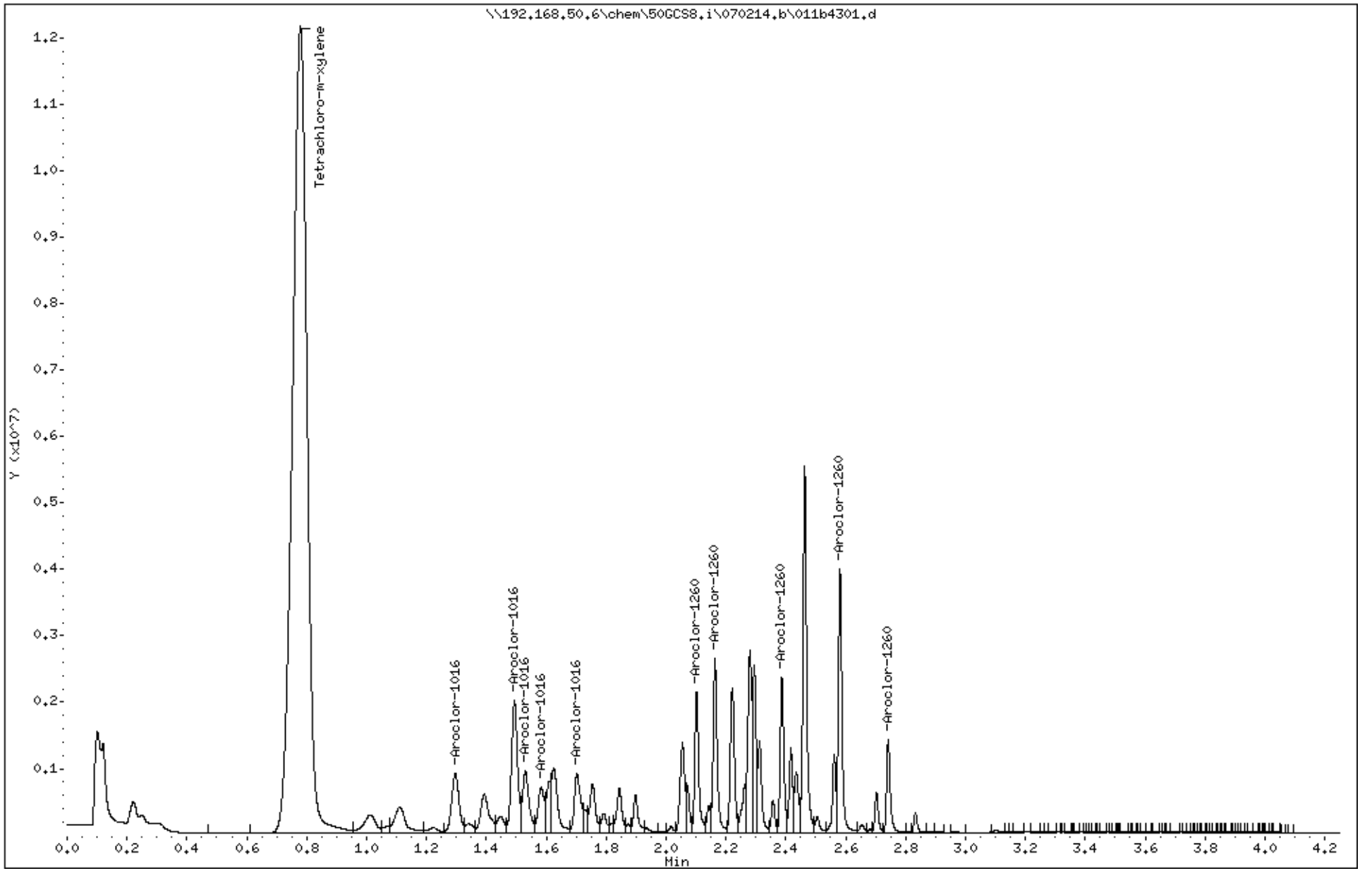
Data file : \\192.168.50.6\chem\50GCS8.i\070214.b\011b4301.d
Lab Smp Id: CCV,71826:1
Inj Date : 03-JUL-2014 00:47
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71826:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070214.b\8082r.m
Meth Date : 03-Jul-2014 13:44 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.779	0.766	0.013	41237762	0.50000	0.564			
23 Aroclor-1016					CAS #: 12674-11-2			
1.296	1.291	0.005	1546450	0.50000	0.566	0.00-	0.00	100.00
1.493	1.491	0.002	2801274	0.50000	0.503	0.00-	0.00	181.14
1.530	1.527	0.003	1410186	0.50000	0.572	0.00-	0.00	91.19
1.582	1.580	0.002	953107	0.50000	0.564	0.00-	0.00	61.63
1.701	1.699	0.002	1307421	0.50000	0.537	0.00-	0.00	84.54
Average of Peak Amounts =					0.54840			
29 Aroclor-1260					CAS #: 11096-82-5			
2.102	2.101	0.001	1950319	0.50000	0.526	0.00-	0.00	100.00
2.163	2.163	0.000	2420758	0.50000	0.544	0.00-	0.00	124.12
2.387	2.386	0.001	1976186	0.50000	0.543	0.00-	0.00	101.33
2.581	2.581	0.000	3383957	0.50000	0.563	0.00-	0.00	173.51
2.741	2.742	-0.001	1210781	0.50000	0.572	0.00-	0.00	62.08
Average of Peak Amounts =					0.54960			

Data File: \\192.168.50.6\chem\50GCS8.i\070214.b\011b4301.d
Date : 03-JUL-2014 00:47
Client ID:
Sample Info: CCV,71826:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

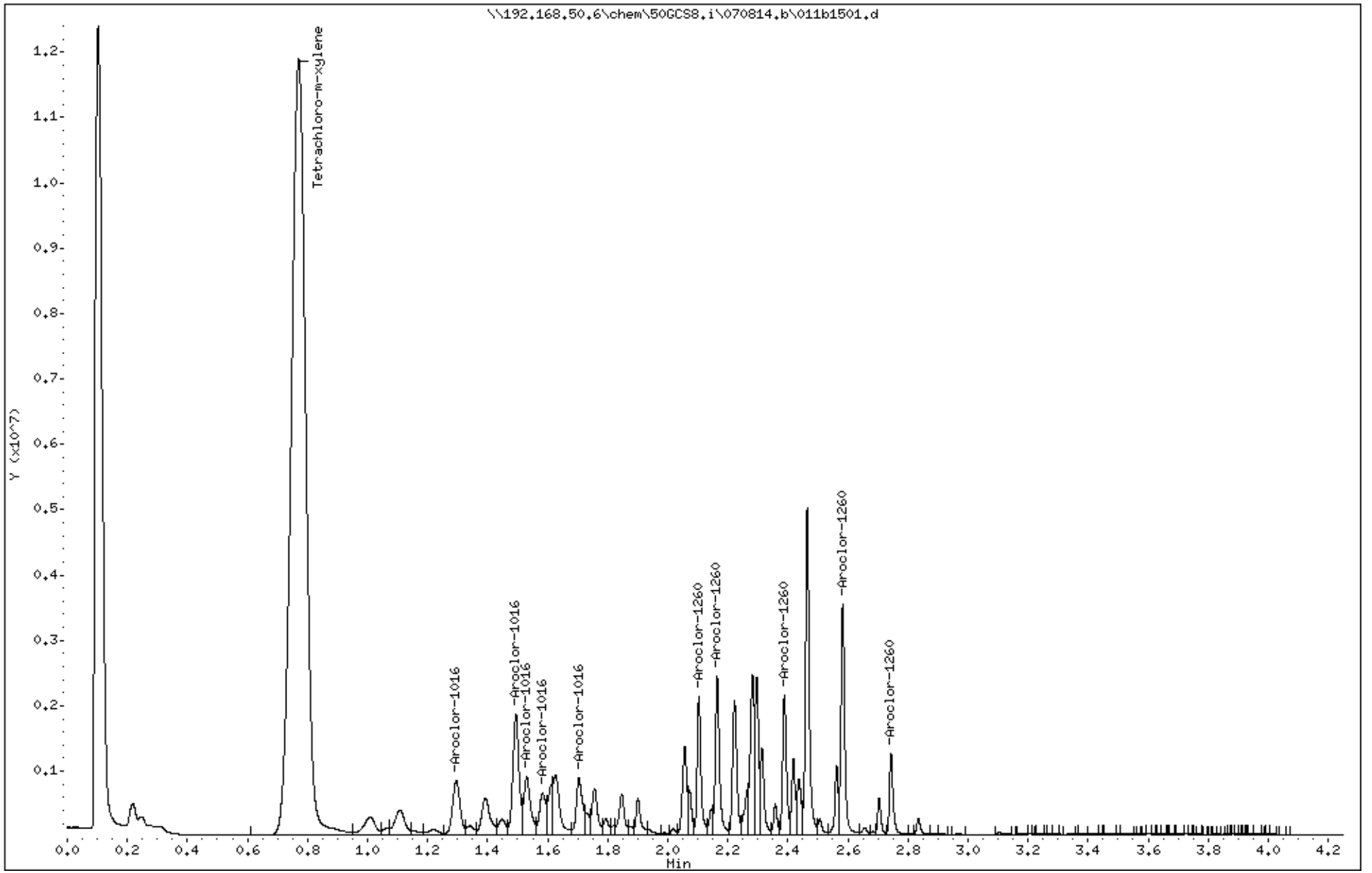
Data file : \\192.168.50.6\chem\50GCS8.i\070814.b\011b1501.d
Lab Smp Id: CCV,71977:1
Inj Date : 08-JUL-2014 14:27
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71977:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070814.b\8082r.m
Meth Date : 08-Jul-2014 19:38 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.771	0.776	-0.005	39796220	0.50000	0.544			
23 Aroclor-1016					CAS #: 12674-11-2			
1.296	1.298	-0.002	1476246	0.50000	0.540	0.00-	0.00	100.00
1.494	1.494	0.000	2652818	0.50000	0.477	0.00-	0.00	179.70
1.530	1.530	0.000	1385870	0.50000	0.562	0.00-	0.00	93.88
1.583	1.583	0.000	925563	0.50000	0.548	0.00-	0.00	62.70
1.704	1.702	0.002	1277824	0.50000	0.525	0.00-	0.00	86.56
Average of Peak Amounts =					0.53040			
29 Aroclor-1260					CAS #: 11096-82-5			
2.103	2.102	0.001	1885908	0.50000	0.509	0.00-	0.00	100.00
2.164	2.162	0.002	2316959	0.50000	0.520	0.00-	0.00	122.86
2.388	2.386	0.002	1893273	0.50000	0.520	0.00-	0.00	100.39
2.582	2.582	0.000	3131076	0.50000	0.521	0.00-	0.00	166.02
2.743	2.742	0.001	1067879	0.50000	0.504	0.00-	0.00	56.62
Average of Peak Amounts =					0.51480			

Data File: \\192.168.50.6\chem\50GCS8.i\070814.b\011b1501.d
Date : 08-JUL-2014 14:27
Client ID:
Sample Info: CCV,71977:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070814.b\011b4001.d
Lab Smp Id: CCV,71977:1
Inj Date : 08-JUL-2014 16:51
Operator : DMT Inst ID: 50GCS8.i
Smp Info : ccv,71977:1
Misc Info : 12692
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070814.b\8082r.m
Meth Date : 08-Jul-2014 19:38 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 11 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ical.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			
0.773	0.776	-0.003	40166744	0.50000	0.550			(M)
23 Aroclor-1016					CAS #: 12674-11-2			
1.297	1.298	-0.001	1465896	0.50000	0.536	0.00-	0.00	100.00(M)
1.495	1.494	0.001	2679052	0.50000	0.481	0.00-	0.00	182.76
1.530	1.530	0.000	1394574	0.50000	0.565	0.00-	0.00	95.13
1.583	1.583	0.000	932656	0.50000	0.552	0.00-	0.00	63.62
1.703	1.702	0.001	1288905	0.50000	0.530	0.00-	0.00	87.93
Average of Peak Amounts =					0.53280			
29 Aroclor-1260					CAS #: 11096-82-5			
2.104	2.102	0.002	1564116	0.50000	0.422	0.00-	0.00	100.00(M)
2.165	2.162	0.003	1909277	0.50000	0.429	0.00-	0.00	122.07
2.388	2.386	0.002	1520753	0.50000	0.418	0.00-	0.00	97.23
2.583	2.582	0.001	2627744	0.50000	0.437	0.00-	0.00	168.00
2.744	2.742	0.002	891593	0.50000	0.421	0.00-	0.00	57.00
Average of Peak Amounts =					0.42540			

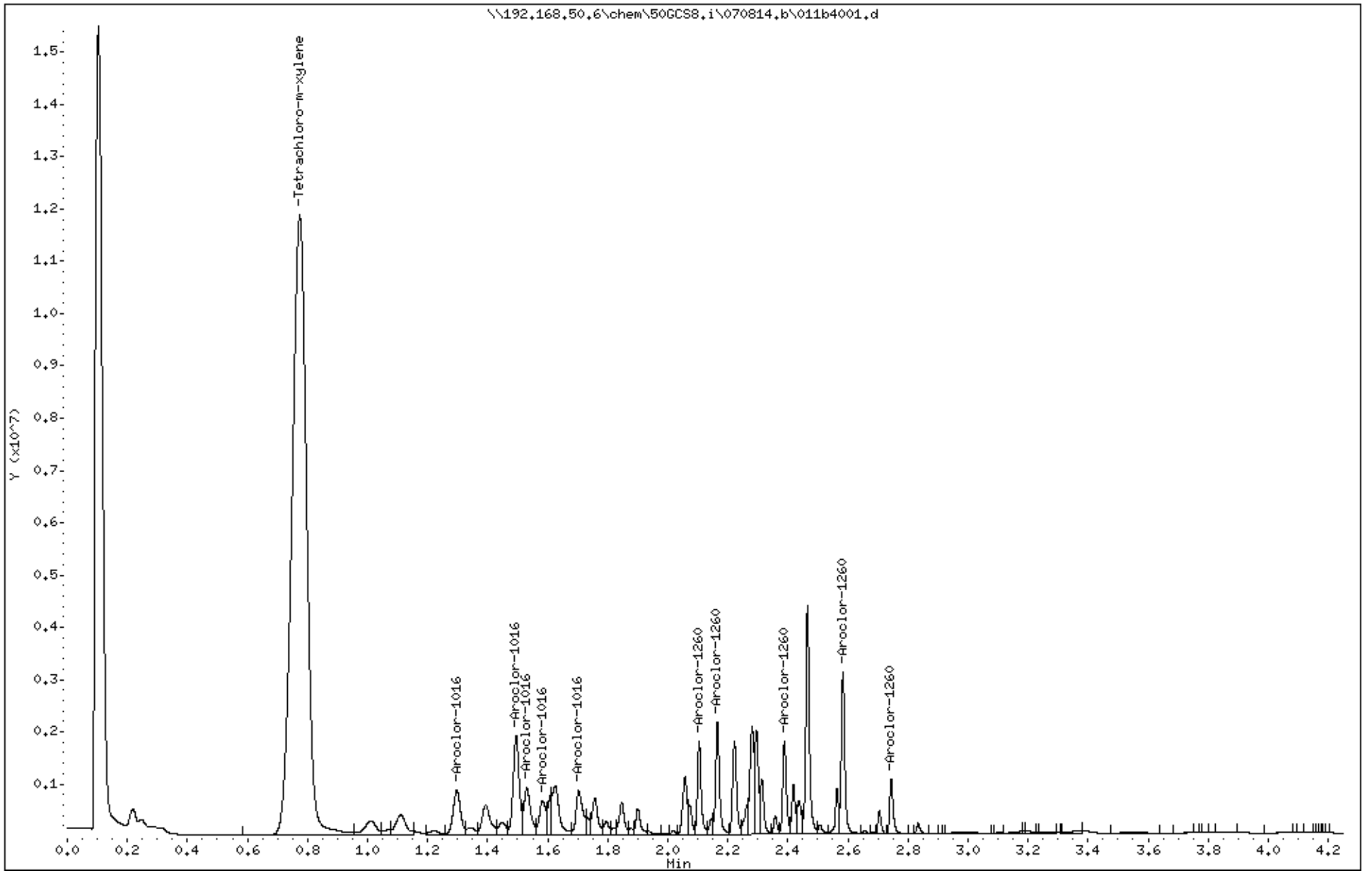
QC Flag Legend

M - Compound response manually integrated.

Data File: \\192.168.50.6\chem\50GCS8.i\070814.b\011b4001.d
Date : 08-JUL-2014 16:51
Client ID:
Sample Info: CCV,71977:1

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00

Column phase:



SAMPLE NO.

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PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 1118946

Date Analyzed: 07/01/2014 17:03 Lab File ID: 070114.B\047B4501.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

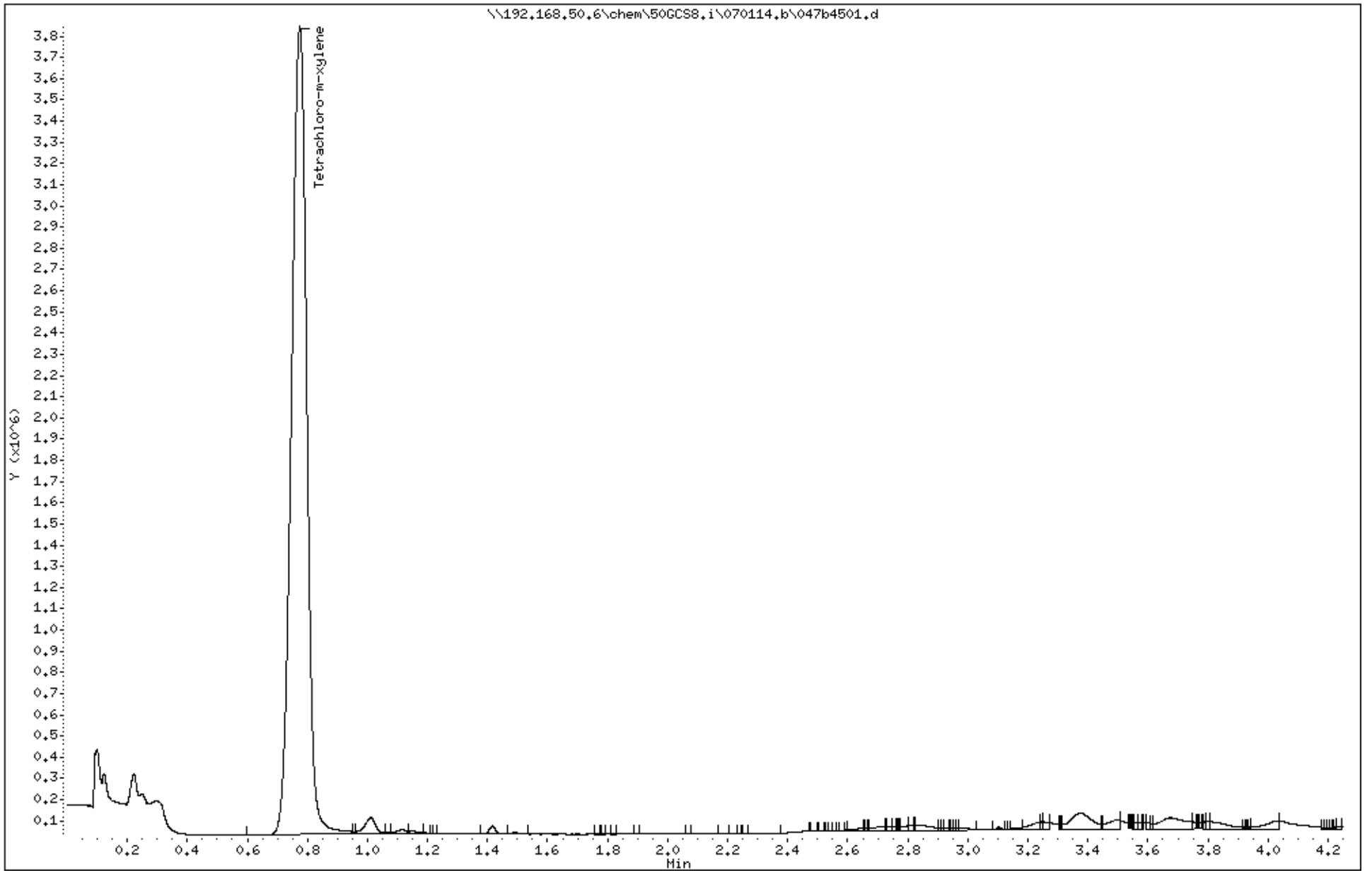
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\047b4501.d
Lab Smp Id: 1118946 Client Smp ID: MB
Inj Date : 01-JUL-2014 17:03
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1118946,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 47 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.774	0.766	0.008	13455289	0.18425	61.418		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\047b4501.d
Date : 01-JUL-2014 17:03
Client ID: MB
Instrument: 50GCS8.i
Sample Info: 1118946,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

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PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 1120063

Date Analyzed: 07/01/2014 19:28 Lab File ID: 070114.B\071B7001.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

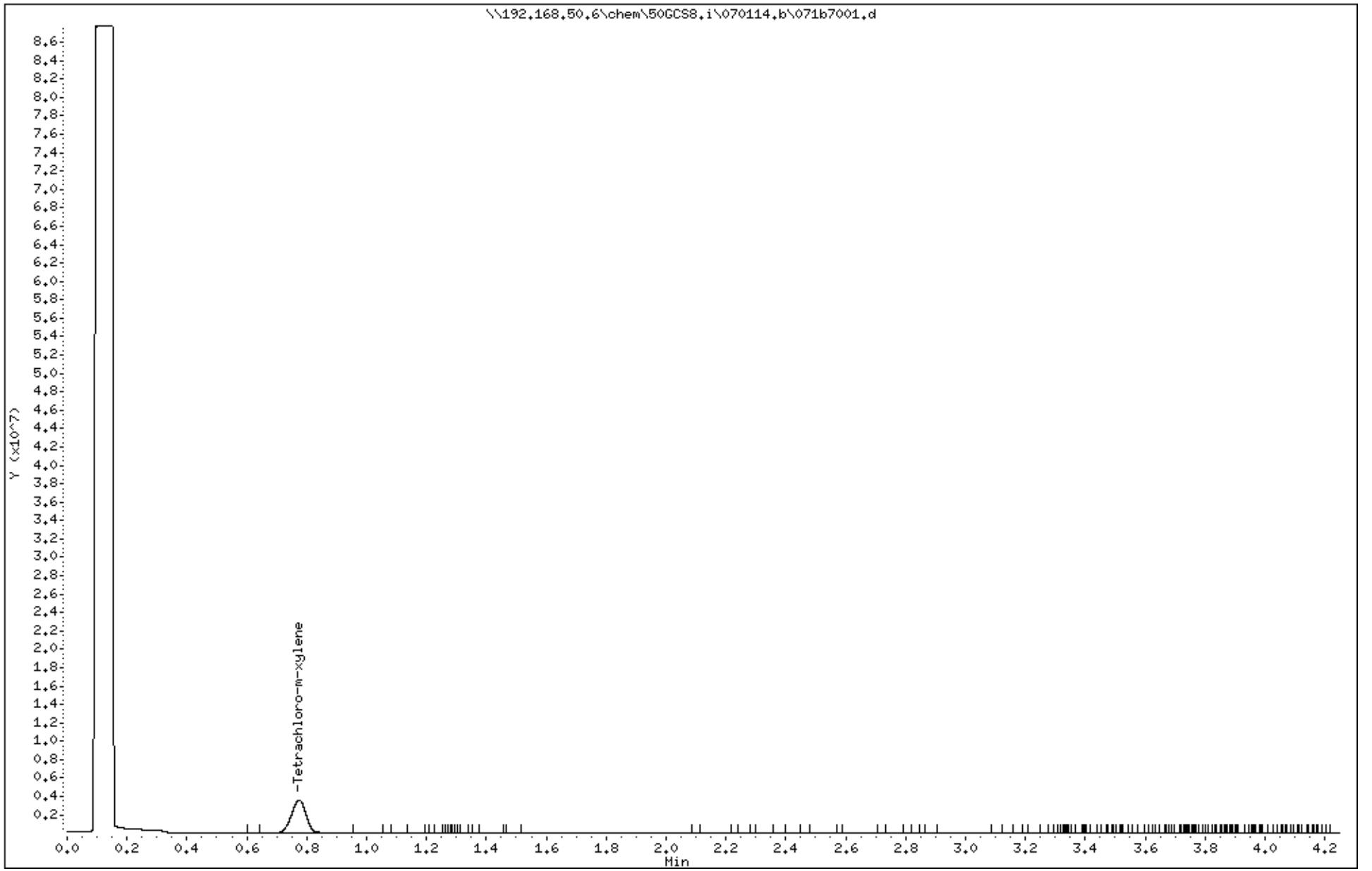
Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\071b7001.d
Lab Smp Id: 1120063 Client Smp ID: MB
Inj Date : 01-JUL-2014 19:28
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1120063,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 71 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			
				ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.774	0.766	0.008	12258172	0.16786	55.953		

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\071b7001.d
Date : 01-JUL-2014 19:28
Client ID: MB
Instrument: 50GCS8.i
Sample Info: 1120063,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

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PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/07/2014 09:50 Lab Sample ID: 1123362

Date Analyzed: 07/08/2014 14:32 Lab File ID: 070814.B\021B1601.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	ND	U
11104-28-2	PCB-1221 (Aroclor 1221)	ND	U
11141-16-5	PCB-1232 (Aroclor 1232)	ND	U
53469-21-9	PCB-1242 (Aroclor 1242)	ND	U
12672-29-6	PCB-1248 (Aroclor 1248)	ND	U
11097-69-1	PCB-1254 (Aroclor 1254)	ND	U
11096-82-5	PCB-1260 (Aroclor 1260)	ND	U

Pace Analytical Services, Inc.

PCB by Method 8082A

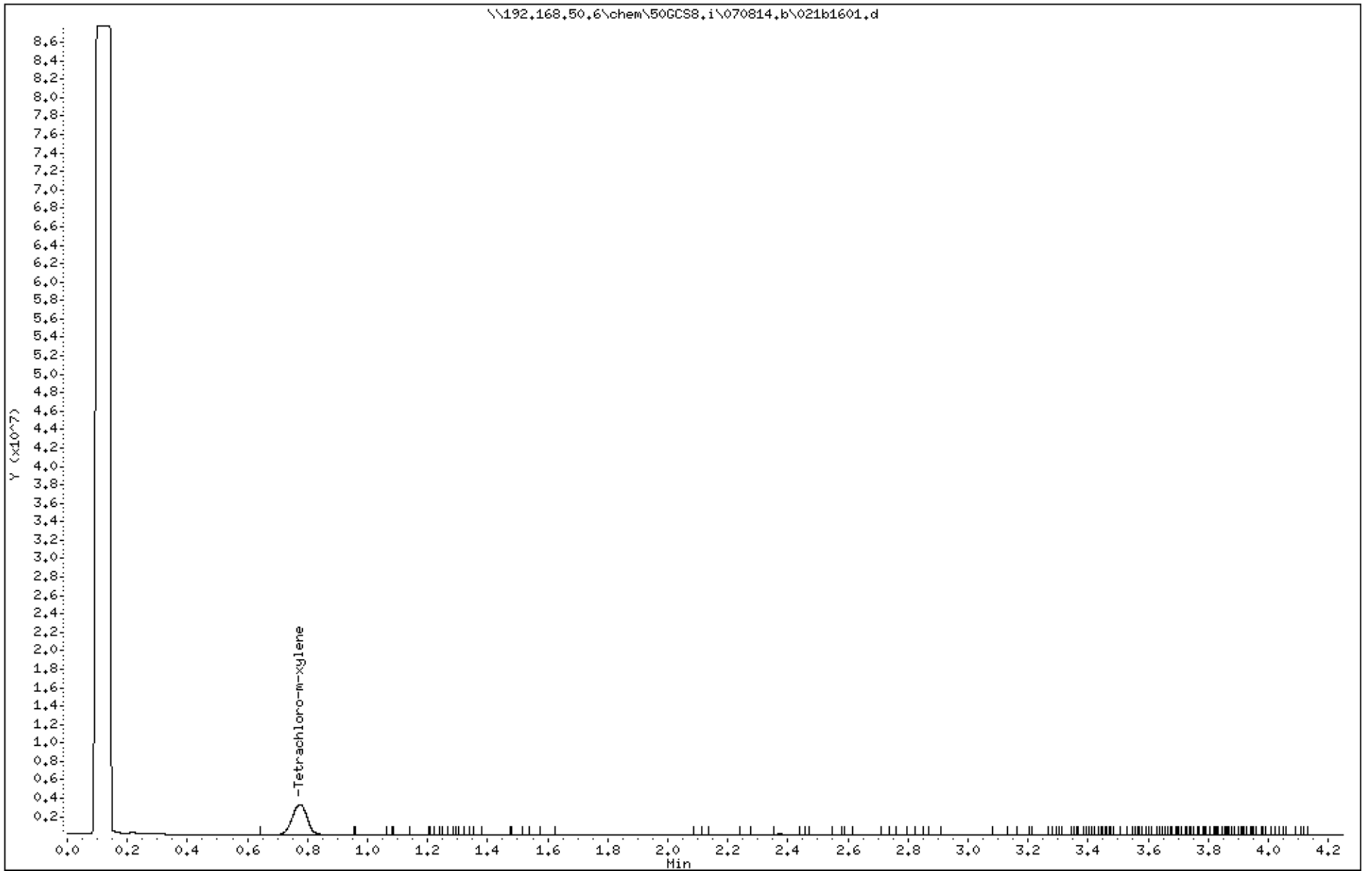
Data file : \\192.168.50.6\chem\50GCS8.i\070814.b\021b1601.d
Lab Smp Id: 1123362 Client Smp ID: MB
Inj Date : 08-JUL-2014 14:32
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1123362,
Misc Info : 12810
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070814.b\8082r.m
Meth Date : 08-Jul-2014 19:38 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 21 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 ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene						CAS #: 877-09-8	
0.776	0.776	0.000	11564497	0.15836	52.787		

Data File: \\192.168.50.6\chem\50GCS8.i\070814.b\021b1601.d
Date : 08-JUL-2014 14:32
Client ID: MB
Instrument: 50GCS8.i
Sample Info: 1123362,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

LCS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 1118947

Date Analyzed: 07/01/2014 17:09 Lab File ID: 070114.B\048B4601.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	130	
11096-82-5	PCB-1260 (Aroclor 1260)	135	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\048b4601.d
Lab Smp Id: 1118947 Client Smp ID: MBLCS
Inj Date : 01-JUL-2014 17:09
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1118947,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 48 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

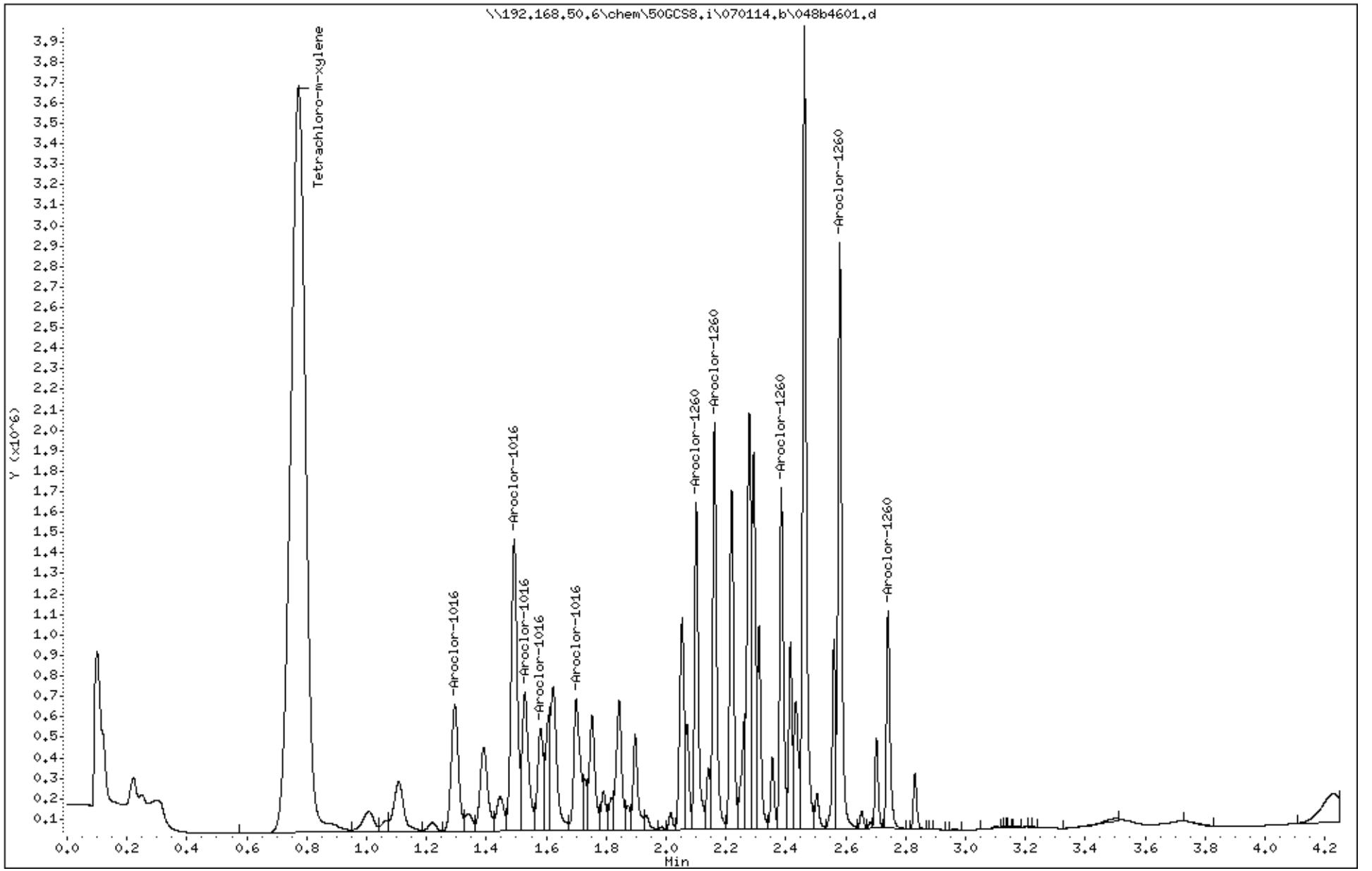
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE			RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8				
0.772	0.766	0.006	12679439	0.17363	57.876				
23 Aroclor-1016					CAS #: 12674-11-2				
1.295	1.291	0.004	1038718	0.38022	126.741	0.00-	0.00		100.00
1.492	1.491	0.001	2021861	0.36364	121.214	0.00-	0.00		194.65
1.529	1.527	0.002	1016188	0.41236	137.452	0.00-	0.00		97.83
1.581	1.580	0.001	680774	0.40353	134.510	0.00-	0.00		65.54
1.699	1.699	0.000	939746	0.38654	128.845	0.00-	0.00		90.47
Average of Peak Concentrations = 129.752									
29 Aroclor-1260					CAS #: 11096-82-5				
2.101	2.101	0.000	1456453	0.39350	131.168	0.00-	0.00		100.00
2.162	2.163	-0.001	1782253	0.40071	133.570	0.00-	0.00		122.37
2.385	2.386	-0.001	1447764	0.39818	132.727	0.00-	0.00		99.40
2.580	2.581	-0.001	2488583	0.41461	138.202	0.00-	0.00		170.87
2.741	2.742	-0.001	895785	0.42347	141.155	0.00-	0.00		61.50
Average of Peak Concentrations = 135.364									

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\048b4601.d
Date : 01-JUL-2014 17:09
Client ID: MBLCS
Sample Info: 1118947,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

LCS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 1120064

Date Analyzed: 07/01/2014 19:34 Lab File ID: 070114.B\072B7101.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	137	
11096-82-5	PCB-1260 (Aroclor 1260)	147	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\072b7101.d
Lab Smp Id: 1120064 Client Smp ID: MBLCS
Inj Date : 01-JUL-2014 19:34
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1120064,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 72 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

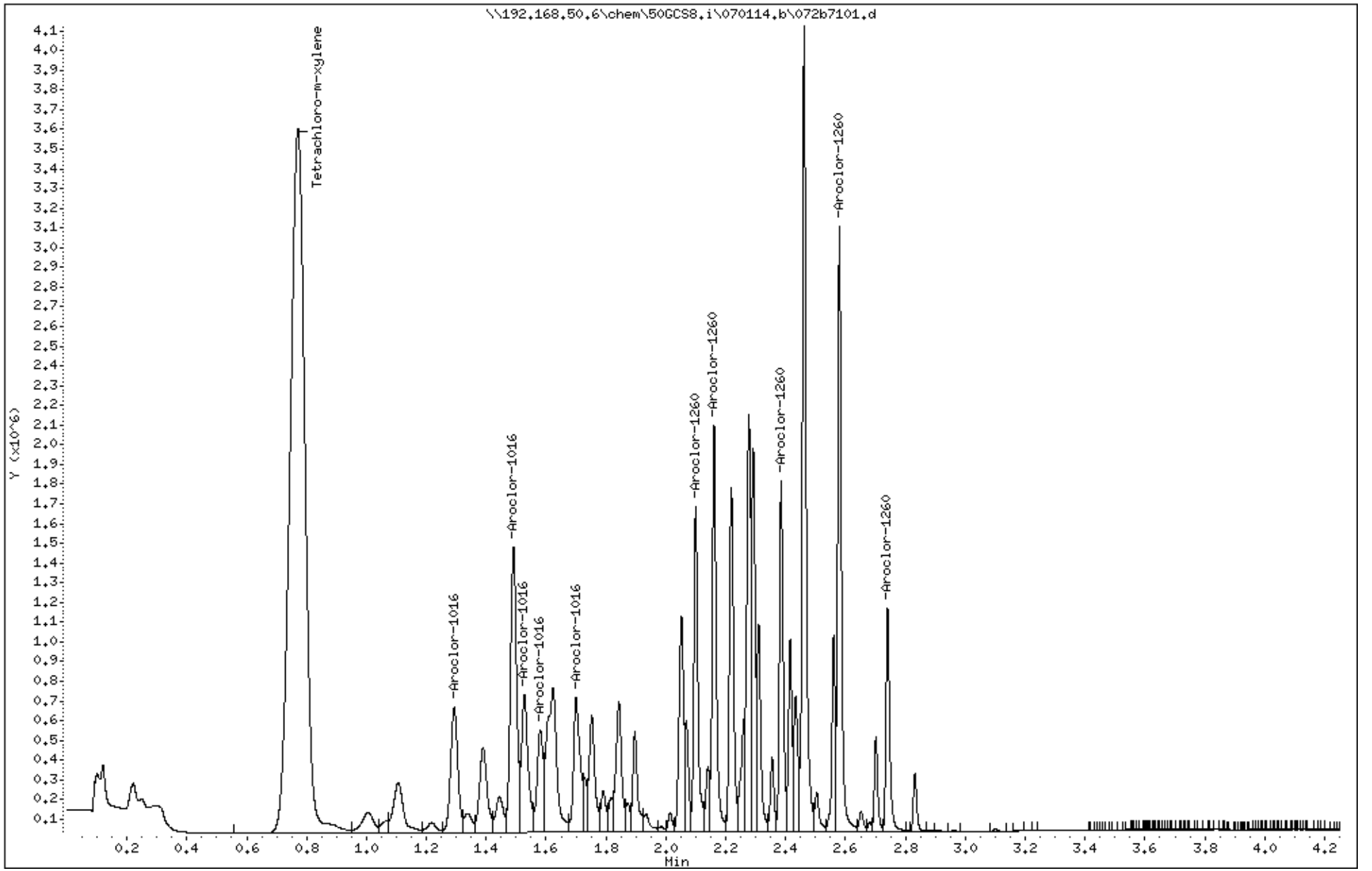
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.770	0.766	0.004	12446134	0.17044	56.811			
23 Aroclor-1016					CAS #: 12674-11-2			
1.292	1.291	0.001	1076182	0.39394	131.312	0.00-	0.00	100.00
1.490	1.491	-0.001	2081210	0.37432	124.772	0.00-	0.00	193.39
1.526	1.527	-0.001	1074009	0.43582	145.273	0.00-	0.00	99.80
1.579	1.580	-0.001	728306	0.43171	143.902	0.00-	0.00	67.67
1.699	1.699	0.000	1010088	0.41547	138.489	0.00-	0.00	93.86
Average of Peak Concentrations =					136.750			
29 Aroclor-1260					CAS #: 11096-82-5			
2.099	2.101	-0.002	1577812	0.42629	142.097	0.00-	0.00	100.00
2.160	2.163	-0.003	1930025	0.43394	144.645	0.00-	0.00	122.32
2.384	2.386	-0.002	1557414	0.42834	142.779	0.00-	0.00	98.71
2.579	2.581	-0.002	2681814	0.44680	148.933	0.00-	0.00	169.97
2.739	2.742	-0.003	994127	0.46996	156.652	0.00-	0.00	63.01
Average of Peak Concentrations =					147.021			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\072b7101.d
Date : 01-JUL-2014 19:34
Client ID: MBLCS
Sample Info: 1120064,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

LCS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: Matrix: Solid SDG No.: 5099765

Date Extracted: 07/07/2014 09:50 Lab Sample ID: 1123363

Date Analyzed: 07/08/2014 14:38 Lab File ID: 070814.B\022B1701.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	113	
11096-82-5	PCB-1260 (Aroclor 1260)	122	

Pace Analytical Services, Inc.

PCB by Method 8082A

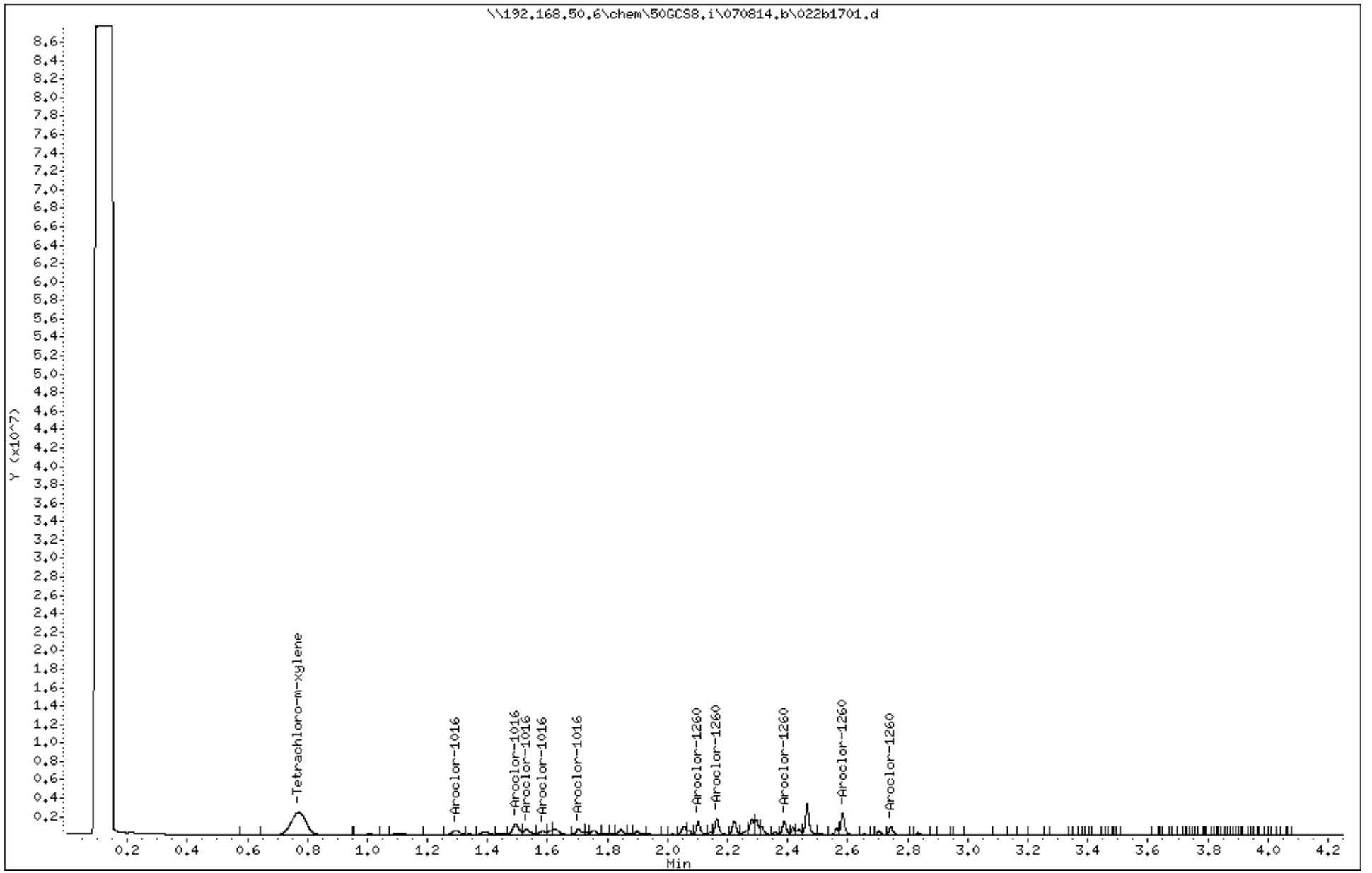
Data file : \\192.168.50.6\chem\50GCS8.i\070814.b\022b1701.d
Lab Smp Id: 1123363 Client Smp ID: MBLCS
Inj Date : 08-JUL-2014 14:38
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1123363,
Misc Info : 12810
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070814.b\8082r.m
Meth Date : 08-Jul-2014 19:38 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 22 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

Name	Value	Description
DF	1.000	Dilution Factor
Uf	1.000	Correction factor
Vt	10000.000	Volume of final extract (uL)(1000 low, 2
Vi	1.000	Volume injected (uL)
Ws	30.000	Weight of sample extracted (g)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.770	0.776	-0.006	8605470	0.11784	39.280			
23 Aroclor-1016					CAS #: 12674-11-2			
1.295	1.298	-0.003	884849	0.32390	107.966	0.00-	0.00	100.00
1.492	1.494	-0.002	1699178	0.30561	101.868	0.00-	0.00	192.03
1.529	1.530	-0.001	904922	0.36721	122.401	0.00-	0.00	102.27
1.583	1.583	0.000	595339	0.35289	117.629	0.00-	0.00	67.28
1.702	1.702	0.000	832928	0.34260	114.200	0.00-	0.00	94.13
Average of Peak Concentrations =					112.813			
29 Aroclor-1260					CAS #: 11096-82-5			
2.101	2.102	-0.001	1341687	0.36250	120.832	0.00-	0.00	100.00
2.163	2.162	0.001	1630669	0.36663	122.209	0.00-	0.00	121.54
2.387	2.386	0.001	1326540	0.36484	121.613	0.00-	0.00	98.87
2.582	2.582	0.000	2196483	0.36594	121.981	0.00-	0.00	163.71
2.743	2.742	0.001	787384	0.37222	124.074	0.00-	0.00	58.69
Average of Peak Concentrations =					122.142			

Data File: \\192.168.50.6\chem\50GCS8.i\070814.b\022b1701.d
Date : 08-JUL-2014 14:38
Client ID: MBLCS
Instrument: 50GCS8.i
Sample Info: 1123363,
Volume Injected (uL): 1.0
Operator: DMT
Column phase:
Column diameter: 0.00



SAMPLE NO.

MS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 1118948

Date Analyzed: 07/01/2014 18:01 Lab File ID: 070114.B\057B5501.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	138	
11096-82-5	PCB-1260 (Aroclor 1260)	133	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\057b5501.d
Lab Smp Id: 1118948 Client Smp ID: P-10 (2-4)MS
Inj Date : 01-JUL-2014 18:01
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1118948,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 57 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

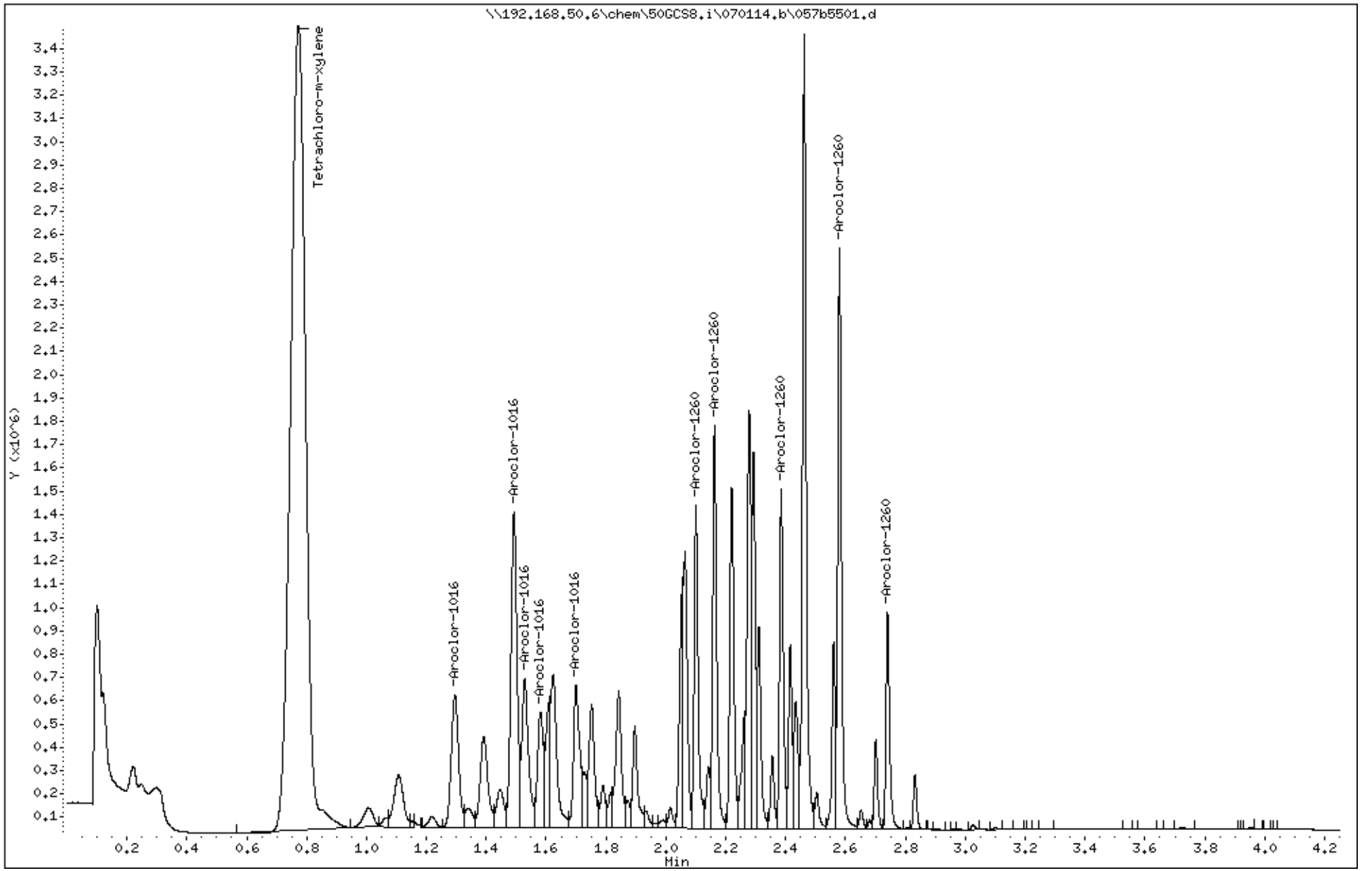
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	10.137	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.772	0.766	0.006	12113234	0.16588	61.529			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	971682	0.35569	131.935	0.00-	0.00	100.00
1.491	1.491	0.000	1926866	0.34656	128.549	0.00-	0.00	198.30
1.528	1.527	0.001	964177	0.39125	145.127	0.00-	0.00	99.23
1.581	1.580	0.001	685580	0.40638	150.739	0.00-	0.00	70.56
1.698	1.699	-0.001	873675	0.35936	133.298	0.00-	0.00	89.91
Average of Peak Concentrations =					137.930			
29 Aroclor-1260					CAS #: 11096-82-5			
2.100	2.101	-0.001	1299808	0.35118	130.265	0.00-	0.00	100.00
2.162	2.163	-0.001	1581929	0.35567	131.930	0.00-	0.00	121.70
2.384	2.386	-0.002	1269782	0.34923	129.541	0.00-	0.00	97.69
2.579	2.581	-0.002	2168276	0.36124	133.997	0.00-	0.00	166.82
2.739	2.742	-0.003	779972	0.36872	136.770	0.00-	0.00	60.01
Average of Peak Concentrations =					132.500			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\057b5501.d
Date : 01-JUL-2014 18:01
Client ID: P-10 (2-4)MS
Sample Info: 1118948,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

MSD

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/27/2014 12:25 Lab Sample ID: 1118949

Date Analyzed: 07/01/2014 18:07 Lab File ID: 070114.B\058B5601.D

Initial wt/vol: 30.2 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 10.1%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	139	
11096-82-5	PCB-1260 (Aroclor 1260)	131	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\058b5601.d
Lab Smp Id: 1118949 Client Smp ID: P-10 (2-4)MSD
Inj Date : 01-JUL-2014 18:07
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1118949,
Misc Info : 12768
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 58 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

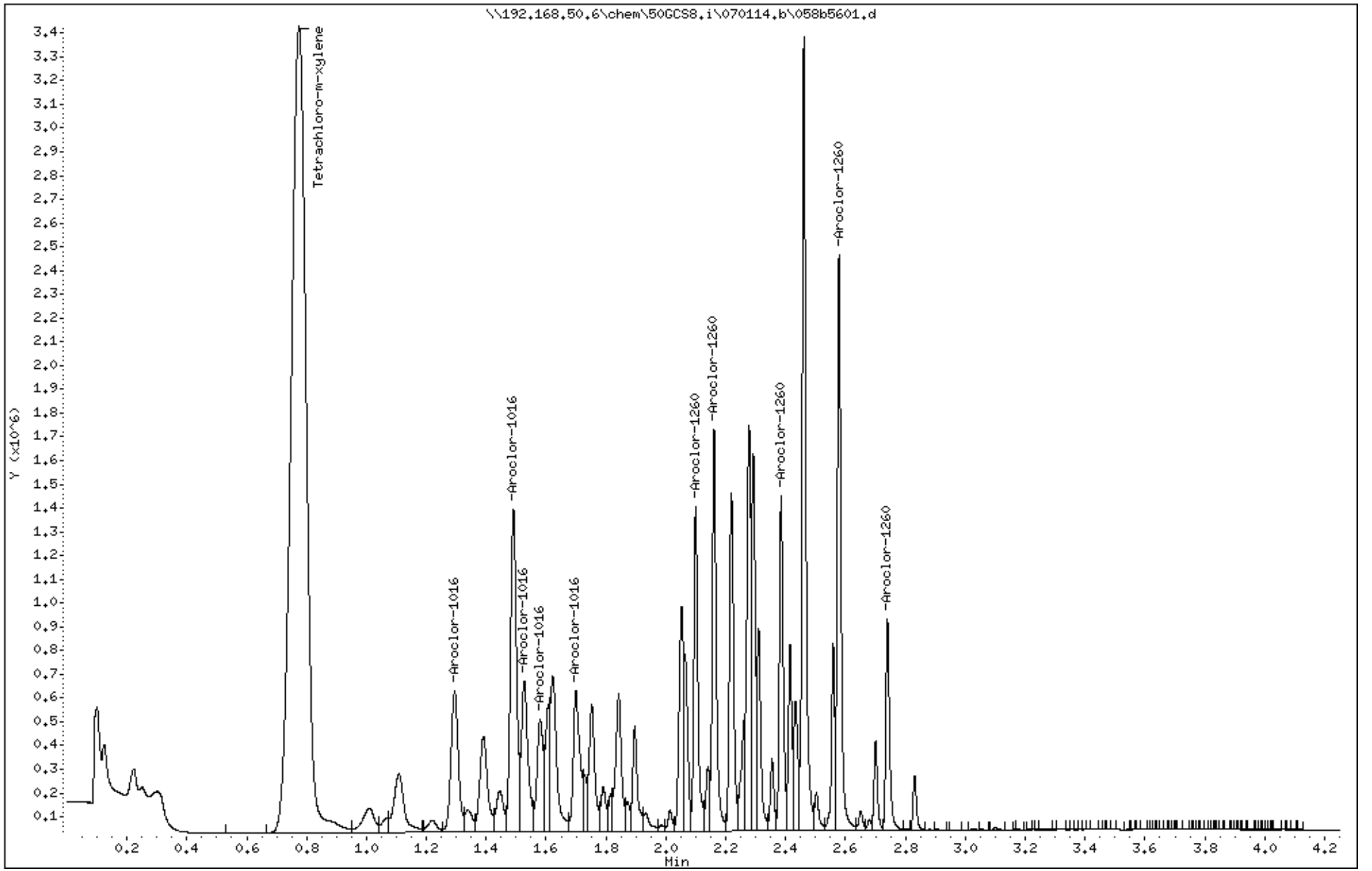
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	10.137	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL				
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE			RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8				
0.772	0.766	0.006	11961610	0.16380	60.356				
23 Aroclor-1016					CAS #: 12674-11-2				
1.294	1.291	0.003	1025415	0.37535	138.309	0.00-	0.00		100.00
1.490	1.491	-0.001	1920834	0.34547	127.298	0.00-	0.00		187.32
1.526	1.527	-0.001	988914	0.40129	147.865	0.00-	0.00		96.44
1.579	1.580	-0.001	666723	0.39520	145.622	0.00-	0.00		65.02
1.698	1.699	-0.001	895036	0.36815	135.653	0.00-	0.00		87.29
Average of Peak Concentrations = 138.949									
29 Aroclor-1260					CAS #: 11096-82-5				
2.099	2.101	-0.002	1304974	0.35258	129.916	0.00-	0.00		100.00
2.160	2.163	-0.003	1575742	0.35428	130.543	0.00-	0.00		120.75
2.384	2.386	-0.002	1256758	0.34565	127.363	0.00-	0.00		96.31
2.577	2.581	-0.004	2140206	0.35657	131.386	0.00-	0.00		164.00
2.739	2.742	-0.003	781742	0.36956	136.172	0.00-	0.00		59.90
Average of Peak Concentrations = 131.076									

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\058b5601.d
Date : 01-JUL-2014 18:07
Client ID: P-10 (2-4)MSD
Sample Info: 1118949,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

MS

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 1120065

Date Analyzed: 07/01/2014 19:45 Lab File ID: 070114.B\074B7301.D

Initial wt/vol: 30.1 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 11.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	141	
11096-82-5	PCB-1260 (Aroclor 1260)	143	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\074b7301.d
Lab Smp Id: 1120065 Client Smp ID: P-2 (18-20)MS
Inj Date : 01-JUL-2014 19:45
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1120065,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 74 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

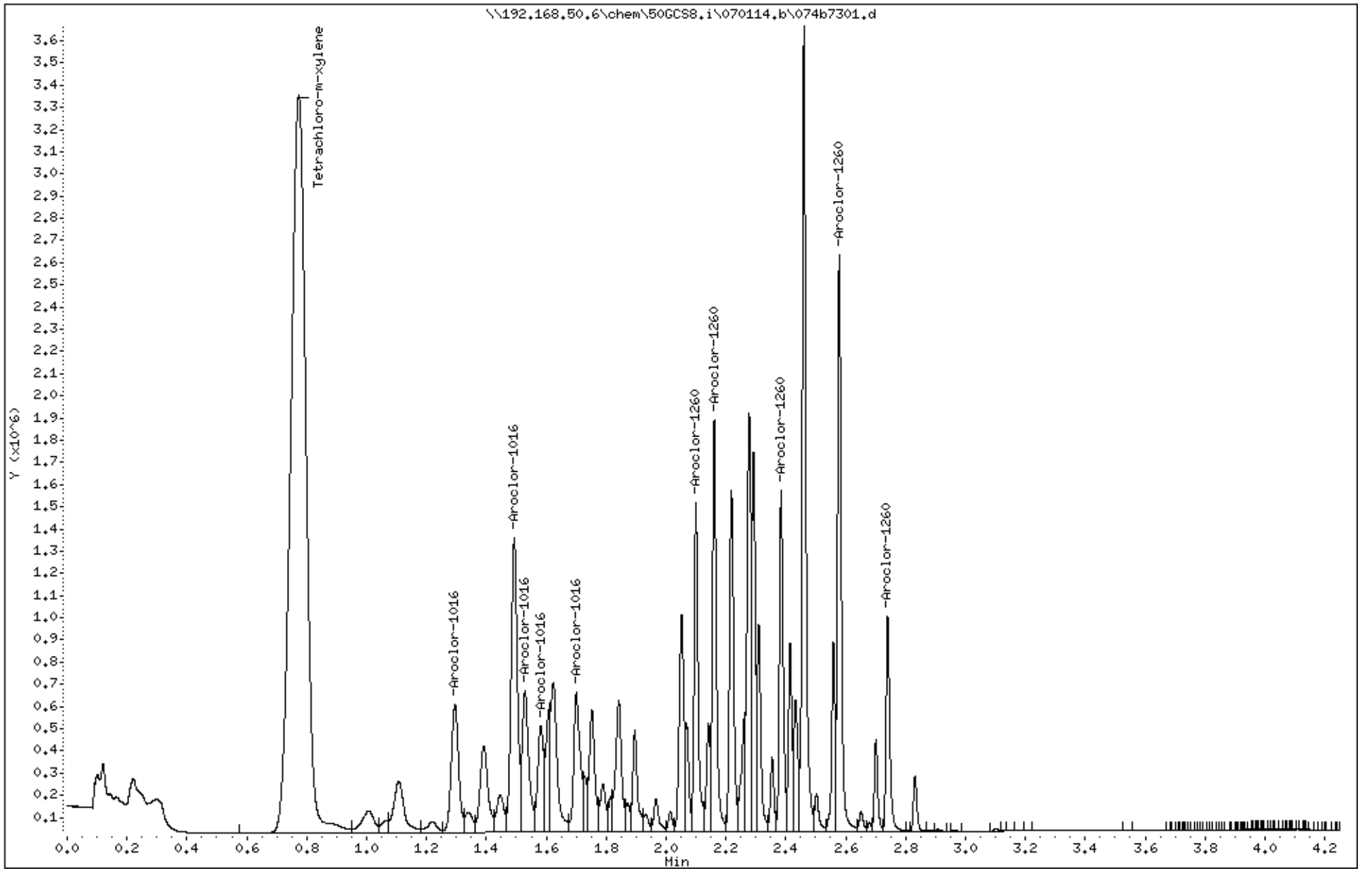
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	11.258	% Moisture
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.773	0.766	0.007	11781637	0.16134	60.400			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	995018	0.36423	136.357	0.00-	0.00	100.00
1.493	1.491	0.002	1929942	0.34711	129.949	0.00-	0.00	193.96
1.529	1.527	0.002	987991	0.40091	150.092	0.00-	0.00	99.29
1.581	1.580	0.001	660994	0.39181	146.682	0.00-	0.00	66.43
1.700	1.699	0.001	925745	0.38078	142.553	0.00-	0.00	93.04
Average of Peak Concentrations =					141.127			
29 Aroclor-1260					CAS #: 11096-82-5			
2.100	2.101	-0.001	1379260	0.37265	139.510	0.00-	0.00	100.00
2.161	2.163	-0.002	1704928	0.38333	143.507	0.00-	0.00	123.61
2.384	2.386	-0.002	1348409	0.37086	138.839	0.00-	0.00	97.76
2.578	2.581	-0.003	2289305	0.38141	142.789	0.00-	0.00	165.98
2.740	2.742	-0.002	846728	0.40028	149.853	0.00-	0.00	61.39
Average of Peak Concentrations =					142.899			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\074b7301.d
Date : 01-JUL-2014 19:45
Client ID: P-2 (18-20)MS
Sample Info: 1120065,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



SAMPLE NO.

MSD

PCB - FORM I SVOA-1

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana Contract: Sibley-Accucast

Date Received: 06/24/2014 12:10 Matrix: Solid SDG No.: 5099765

Date Extracted: 06/30/2014 10:55 Lab Sample ID: 1120066

Date Analyzed: 07/01/2014 19:51 Lab File ID: 070114.B\075B7401.D

Initial wt/vol: 30 g Final wt/vol: 10 mL Dilution: 1 Instrument: 50GCS8 Percent Moisture: 11.3%

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	PCB-1016 (Aroclor 1016)	114	
11096-82-5	PCB-1260 (Aroclor 1260)	126	

Pace Analytical Services, Inc.

PCB by Method 8082A

Data file : \\192.168.50.6\chem\50GCS8.i\070114.b\075b7401.d
Lab Smp Id: 1120066 Client Smp ID: P-2 (18-20)MSD
Inj Date : 01-JUL-2014 19:51
Operator : DMT Inst ID: 50GCS8.i
Smp Info : 1120066,
Misc Info : 12770
Comment : 8082A
Method : \\192.168.50.6\chem\50GCS8.i\070114.b\8082r.m
Meth Date : 02-Jul-2014 11:39 50GCS8.i Quant Type: ESTD
Cal Date : 18-JUN-2014 17:36 Cal File: 017b2701.d
Als bottle: 75 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcblcs.sub
Target Version: 4.14 Sample Matrix: SOIL
Processing Host: 50-SVOA-DMTVMXP

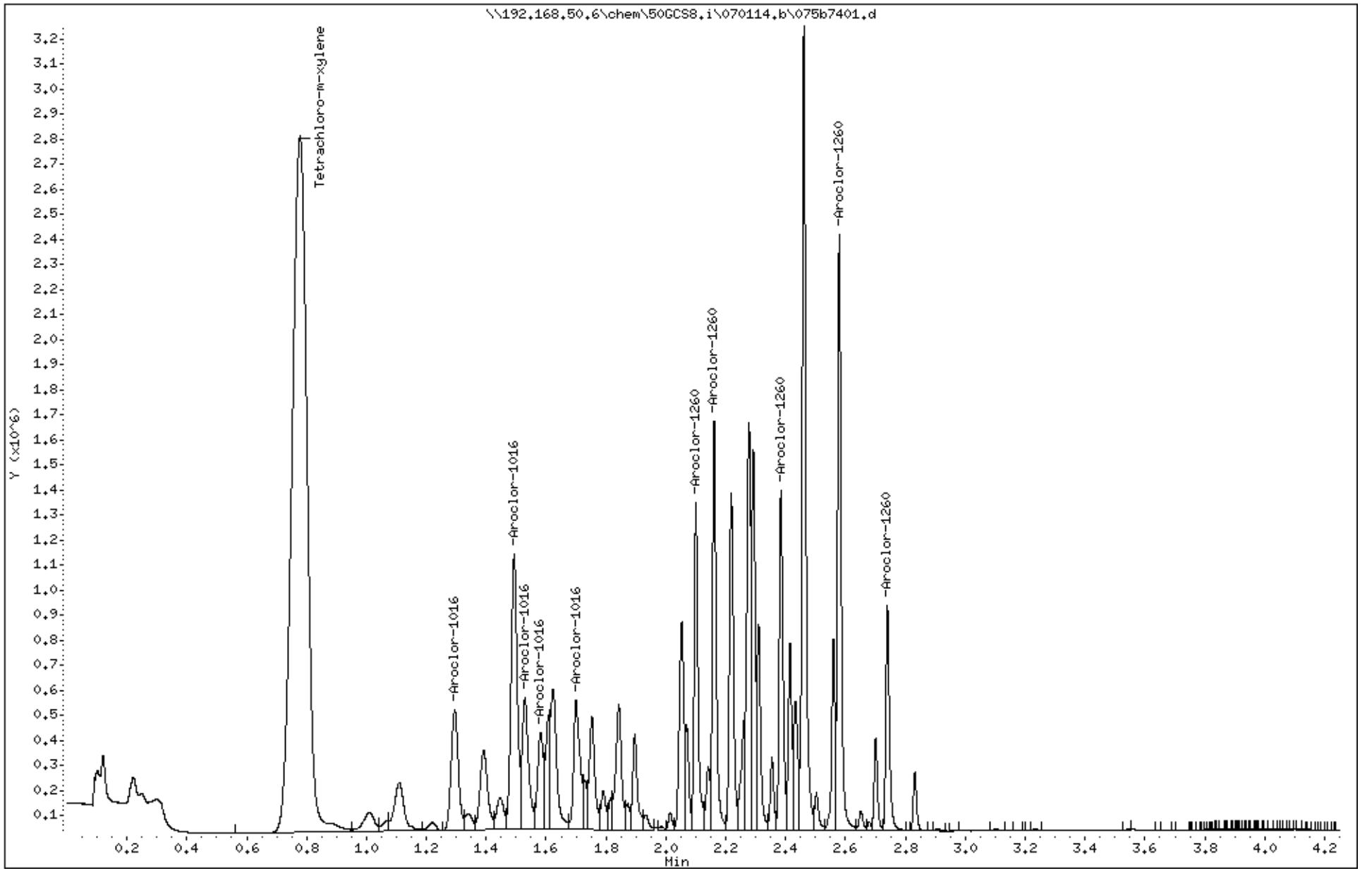
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100-M)/100) * CpndVar

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	11.258	% Moisture
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL			
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE		RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8			
0.777	0.766	0.011	9699868	0.13283	49.893			
23 Aroclor-1016					CAS #: 12674-11-2			
1.294	1.291	0.003	805059	0.29469	110.693	0.00-	0.00	100.00
1.492	1.491	0.001	1585002	0.28507	107.079	0.00-	0.00	196.88
1.528	1.527	0.001	793779	0.32211	120.990	0.00-	0.00	98.60
1.580	1.580	0.000	522948	0.30998	116.435	0.00-	0.00	64.96
1.699	1.699	0.000	757186	0.31145	116.986	0.00-	0.00	94.05
Average of Peak Concentrations =					114.436			
29 Aroclor-1260					CAS #: 11096-82-5			
2.099	2.101	-0.002	1184757	0.32010	120.235	0.00-	0.00	100.00
2.160	2.163	-0.003	1459650	0.32818	123.271	0.00-	0.00	123.20
2.383	2.386	-0.003	1186611	0.32636	122.586	0.00-	0.00	100.16
2.578	2.581	-0.003	2036406	0.33927	127.438	0.00-	0.00	171.88
2.739	2.742	-0.003	757083	0.35790	134.434	0.00-	0.00	63.90
Average of Peak Concentrations =					125.593			

Data File: \\192.168.50.6\chem\50GCS8.i\070114.b\075b7401.d
Date : 01-JUL-2014 19:51
Client ID: P-2 (18-20)MSD
Sample Info: 1120066,
Volume Injected (uL): 1.0
Column phase:

Instrument: 50GCS8.i
Operator: DMT
Column diameter: 0.00



Prep Log Report

Batch Information: OEXT 231705 PCB (S)

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Prep Method	EPA 3546	Analysis Method	EPA 8082	Extracted By	JGJ	Extracted By Date	06/27/2014 12:25:20:983
Spiked By	LP	Vialed By	LP	Vialed By Date	06/27/2014 15:29:38:934	Zymark	See Log
Hexane	69928	3:1 Methylene Chloride/Acetone	70599	Ottawa Sand	62080	Sodium Sulfate	70333
Copper 3660B	62782	H2SO4 - Conc.	None Added	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	**1118946**	30.0	10.0			71251 (1)	
8082 SMP	LCS	**1118947**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**5099688009**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099688010**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099688011**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099688012**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099889001**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099889003**	30.0	10.0			71251 (1)	
8082 SMP	PS	**5099889005**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099765001**	30.3	10.0			71251 (1)	
8082 SMP	MS	**1118948**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	**1118949**	30.2	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**5099765002**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099765003**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099765004**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099765005**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099765006**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099765007**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099765008**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099765009**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099765010**	30.4	10.0			71251 (1)	

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	PS	**5099765011**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099765012**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099765013**	30.0	10.0			71251 (1)	

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

Prep Log Report

Batch Information: OEXT 231927 PCB (S)

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Prep Method	EPA 3546	Analysis Method	EPA 8082	Extracted By	KEO	Extracted By Date	06/30/2014 10:55:22:300
Spiked By	LPD	Vialed By	LDP	Vialed By Date	06/30/2014 15:33:43:732	Zymark	See Log
Hexane	69928	3:1 Methylene Chloride/Acetone	71568	Ottawa Sand	62080	Sodium Sulfate	70333
Copper 3660B	62782	H2SO4 - Conc.	None Added	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	**1120063**	30.0	10.0			71251 (1)	
8082 SMP	LCS	**1120064**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**5099765014**	30.4	10.0			71251 (1)	
8082 SMP	MS	**1120065**	30.1	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	**1120066**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**5099765015**	30.0	10.0			71251 (1)	
8082 SMP	PS	**5099856001**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099856002**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099856003**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099856004**	30.4	10.0			71251 (1)	
8082 SMP	PS	**5099856012**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099856013**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099916001**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099916002**	30.0	10.0			71251 (1)	
8082 SMP	PS	**5099916003**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099916004**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099916005**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099916006**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099979005**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099979006**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099979007**	30.2	10.0			71251 (1)	

Prep Log Report

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	**5099979008**	30.3	10.0			71251 (1)	
8082 SMP	PS	**5099979009**	30.2	10.0			71251 (1)	
8082 SMP	PS	**5099979010**	30.2	10.0			71251 (1)	

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

Prep Log Report

Batch Information: OEXT 232749 PCB (S)

Template Version: EF-IN-O-316-Rev.00(11Nov2011)

Prep Method	EPA 3546	Analysis Method	EPA 8082	Extracted By	KEO	Extracted By Date	07/07/2014 09:50:00
Spiked By	KEO	Vialed By	LDP	Vialed By Date	07/07/2014 13:14:59:429	Zymark	See Log
Hexane	70596	3:1 Methylene Chloride/Acetone	71568	Ottawa Sand	None Added	Sodium Sulfate	70333
Copper 3660B	62782	H2SO4 - Conc.	71523	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Sample Notes	Sig Fig calc	8081-SS (mL)	8082-SPK (mL)
8082 SMP	BLANK	**1123362**	30.0	10.0			71251 (1)	
8082 SMP	LCS	**1123363**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**50100357001**	30.1	10.0			71251 (1)	
8082 SMP	PS	**50100357002**	30.0	10.0			71251 (1)	
8082 SMP	PS	**50100357003**	30.4	10.0			71251 (1)	
8082 SMP	PS	**50100357004**	30.3	10.0			71251 (1)	
8082 SMP	PS	**50100357005**	30.1	10.0			71251 (1)	
8082 SMP	PS	**50100357006**	30.3	10.0			71251 (1)	
8082 SMP	PS	**50100357007**	30.3	10.0			71251 (1)	
8082 SMP	PS	**50100357008**	30.0	10.0			71251 (1)	
8082 SMP	PS	**50100357009**	30.2	10.0			71251 (1)	
8082 SMP	PS	**50100351001**	30.1	10.0			71251 (1)	
8082 SMP	PS	**50100351002**	30.2	10.0			71251 (1)	
8082 SMP	PS	**50100360001**	30.1	10.0			71251 (1)	
8082 SMP	PS	**50100360003**	30.3	10.0			71251 (1)	
8082 SMP	RQS	**50100360005**	30.1	10.0			71251 (1)	
8082 SMP	MS	**1123364**	30.4	10.0			71251 (1)	69573 (1)
8082 SMP	MSD	**1123365**	30.0	10.0			71251 (1)	69573 (1)
8082 SMP	PS	**50100360007**	30.2	10.0			71251 (1)	
8082 SMP	PS	**50100360009**	30.1	10.0			71251 (1)	
8082 SMP	PS	**50100360011**	30.3	10.0			71251 (1)	

Prep Log Report

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	**50100360012**	30.2	10.0			71251 (1)	
8082 SMP	PS	**50100360013**	30.1	10.0			71251 (1)	
8082 SMP	PS	**5099765011**	30.3	10.0	re-extract		71251 (1)	

Standard Notes:

69573: 1 mL 1016/ 1260 up to 200 mL Acetone

71251: 5 mL TCMX to 500 mL Acetone

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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 ICAL

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 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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	✓

DT 6-19-14

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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 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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	

DT 6-19-14

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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 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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	Copper chem ↓
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	Copper chem ↓
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	good
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	good
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	do not report-matrix ↓
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	do not report (matrix)
1/001f8301.d	HEXANE 62052	N/	SAMPLE	1	8082f	6/18/14	23:00	DMT	

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Pace Analytical Services, Inc.

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Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — 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	do not report (matrix)
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	1254
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	1254
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	good
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	good

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 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	12:37	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	12:37	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	12:46	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	12:46	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:01	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:01	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:07	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:07	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	13:12	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:12	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/01/14	13:18	DMT	
1/011f0601.d	CCV,71159:1	N/12692	CCALIB_4	1	8082f	7/01/14	13:18	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/01/14	13:24	DMT	~~Expansion for~~
1/011b0701.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	13:24	DMT	good " reference only
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/01/14	13:29	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:29	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:35	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:35	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:41	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:41	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:47	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:47	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:53	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:53	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/01/14	13:58	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/01/14	13:58	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/01/14	14:04	DMT	
1/011f1401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	14:04	DMT	good
1/011b1501.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	14:10	DMT	good
1/021f1501.d	1119292,	L/12769	BLANK	1	8082f	7/01/14	14:10	DMT	
1/021b1601.d	1119292,	L/12769	BLANK	1	8082r	7/01/14	14:16	DMT	✓
1/022f1601.d	1119293,	L/12769	LCS	1	8082f	7/01/14	14:16	DMT	
1/022b1701.d	1119293,	L/12769	LCS	1	8082r	7/01/14	14:21	DMT	✓

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	5099903001,	L/12769	SAMPLE	1	8082f	7/01/14	14:21	DMT	
1/023b1801.d	5099903001,	L/12769	SAMPLE	1	8082r	7/01/14	14:27	DMT	✓
1/024f1801.d	5099903002,	L/12769	SAMPLE	1	8082f	7/01/14	14:27	DMT	
1/024b1901.d	5099903002,	L/12769	SAMPLE	1	8082r	7/01/14	14:33	DMT	✓
1/025f1901.d	5099903003,	L/12769	SAMPLE	1	8082f	7/01/14	14:33	DMT	
1/025b2001.d	5099903003,	L/12769	SAMPLE	1	8082r	7/01/14	14:39	DMT	✓
1/026f2001.d	5099919001,	L/12769	SAMPLE	1	8082f	7/01/14	14:39	DMT	
1/011f2101.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	14:45	DMT	good
1/026b2101.d	5099919001,	L/12769	SAMPLE	1	8082r	7/01/14	14:45	DMT	✓
1/011b2201.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	14:50	DMT	good
1/027f2201.d	1120630,	L/12771	BLANK	1	8082f	7/01/14	14:50	DMT	
1/027b2301.d	1120630,	L/12771	BLANK	1	8082r	7/01/14	14:56	DMT	✓
1/028f2301.d	1120631,	L/12771	LCS	1	8082f	7/01/14	14:56	DMT	
1/028b2401.d	1120631,	L/12771	LCS	1	8082r	7/01/14	15:02	DMT	✓
1/029f2401.d	50100093001,	L/12771	SAMPLE	1	8082f	7/01/14	15:02	DMT	Copper clean ↓
1/029b2501.d	50100093001,	L/12771	SAMPLE	1	8082r	7/01/14	15:08	DMT	
1/030f2501.d	50100093002,	L/12771	SAMPLE	1	8082f	7/01/14	15:08	DMT	
1/030b2601.d	50100093002,	L/12771	SAMPLE	1	8082r	7/01/14	15:13	DMT	✓
1/031f2601.d	50100093003,	L/12771	SAMPLE	1	8082f	7/01/14	15:13	DMT	48<RL
1/031b2701.d	50100093003,	L/12771	SAMPLE	1	8082r	7/01/14	15:19	DMT	✓ 48<RL
1/032f2701.d	50100093004,	L/12771	SAMPLE	1	8082f	7/01/14	15:19	DMT	
1/032b2801.d	50100093004,	L/12771	SAMPLE	1	8082r	7/01/14	15:25	DMT	✓
1/033f2801.d	50100093005,	L/12771	SAMPLE	1	8082f	7/01/14	15:25	DMT	
1/033b2901.d	50100093005,	L/12771	SAMPLE	1	8082r	7/01/14	15:31	DMT	✓
1/034f2901.d	50100093006,	L/12771	SAMPLE	1	8082f	7/01/14	15:31	DMT	
1/034b3001.d	50100093006,	L/12771	SAMPLE	1	8082r	7/01/14	15:37	DMT	✓
1/035f3001.d	50100093007,	L/12771	SAMPLE	1	8082f	7/01/14	15:37	DMT	
1/035b3101.d	50100093007,	L/12771	SAMPLE	1	8082r	7/01/14	15:42	DMT	✓
1/036f3101.d	1120632,	L/12771	MS	1	8082f	7/01/14	15:42	DMT	
1/036b3201.d	1120632,	L/12771	MS	1	8082r	7/01/14	15:48	DMT	✓
1/037f3201.d	1120633,	L/12771	MSD	1	8082f	7/01/14	15:48	DMT	
1/037b3301.d	1120633,	L/12771	MSD	1	8082r	7/01/14	15:54	DMT	✓
1/038f3301.d	50100093008,	L/12771	SAMPLE	1	8082f	7/01/14	15:54	DMT	

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 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
1/011f3401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	16:00	DMT	good
1/038b3401.d	50100093008,	L/12771	SAMPLE	1	8082r	7/01/14	16:00	DMT	✓
1/011b3501.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	16:06	DMT	good
1/039f3501.d	1120236,	S/12772	BLANK	1	8082f	7/01/14	16:06	DMT	
1/039b3601.d	1120236,	S/12772	BLANK	1	8082r	7/01/14	16:11	DMT	✓
1/040f3601.d	1120237,	S/12772	LCS	1	8082f	7/01/14	16:11	DMT	
1/040b3701.d	1120237,	S/12772	LCS	1	8082r	7/01/14	16:17	DMT	✓
1/041f3701.d	5099874002x10,	S/12772	SAMPLE	10	8082f	7/01/14	16:17	DMT	1254
1/041b3801.d	5099874002x10,	S/12772	SAMPLE	10	8082r	7/01/14	16:23	DMT	✓ 1254 / D3
1/042f3801.d	5099874003x5,	S/12772	SAMPLE	5	8082f	7/01/14	16:23	DMT	rerun 100 X
1/042b3901.d	5099874003x5,	S/12772	SAMPLE	5	8082r	7/01/14	16:29	DMT	↓
1/043f3901.d	5099979011,	S/12772	SAMPLE	1	8082f	7/01/14	16:29	DMT	
1/043b4001.d	5099979011,	S/12772	SAMPLE	1	8082r	7/01/14	16:34	DMT	✓
1/044f4001.d	1120238,	S/12772	MS	1	8082f	7/01/14	16:34	DMT	
1/044b4101.d	1120238,	S/12772	MS	1	8082r	7/01/14	16:40	DMT	✓
1/045f4101.d	1120239,	S/12772	MSD	1	8082f	7/01/14	16:40	DMT	
1/045b4201.d	1120239,	S/12772	MSD	1	8082r	7/01/14	16:46	DMT	✓
1/046f4201.d	50100044003x5,	S/12772	SAMPLE	5	8082f	7/01/14	16:46	DMT	1254
1/011f4301.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	16:52	DMT	good
1/046b4301.d	50100044003x5,	S/12772	SAMPLE	5	8082r	7/01/14	16:52	DMT	✓ 1254
1/011b4401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	16:58	DMT	good
1/047f4401.d	1118946,	S/12768	BLANK	1	8082f	7/01/14	16:58	DMT	
1/047b4501.d	1118946,	S/12768	BLANK	1	8082r	7/01/14	17:03	DMT	✓
1/048f4501.d	1118947,	S/12768	LCS	1	8082f	7/01/14	17:03	DMT	
1/048b4601.d	1118947,	S/12768	LCS	1	8082r	7/01/14	17:09	DMT	✓
1/049f4601.d	5099688009,	S/12768	SAMPLE	1	8082f	7/01/14	17:09	DMT	
1/049b4701.d	5099688009,	S/12768	SAMPLE	1	8082r	7/01/14	17:15	DMT	✓
1/050f4701.d	5099688010,	S/12768	SAMPLE	1	8082f	7/01/14	17:15	DMT	
1/050b4801.d	5099688010,	S/12768	SAMPLE	1	8082r	7/01/14	17:21	DMT	✓
1/051f4801.d	5099688011,	S/12768	SAMPLE	1	8082f	7/01/14	17:21	DMT	Copper clean
1/051b4901.d	5099688011,	S/12768	SAMPLE	1	8082r	7/01/14	17:26	DMT	↓
1/052f4901.d	5099688012,	S/12768	SAMPLE	1	8082f	7/01/14	17:26	DMT	+10
1/052b5001.d	5099688012,	S/12768	SAMPLE	1	8082r	7/01/14	17:32	DMT	↓

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

DT 7-2-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 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
1/053f5001.d	5099889001,	S/12768	SAMPLE	1	8082f	7/01/14	17:32	DMT	
1/053b5101.d	5099889001,	S/12768	SAMPLE	1	8082r	7/01/14	17:38	DMT	✓
1/054f5101.d	5099889003,	S/12768	SAMPLE	1	8082f	7/01/14	17:38	DMT	
1/054b5201.d	5099889003,	S/12768	SAMPLE	1	8082r	7/01/14	17:44	DMT	✓
1/055f5201.d	5099889005,	S/12768	SAMPLE	1	8082f	7/01/14	17:44	DMT	
1/055b5301.d	5099889005,	S/12768	SAMPLE	1	8082r	7/01/14	17:50	DMT	✓
1/056f5301.d	5099765001,	S/12768	SAMPLE	1	8082f	7/01/14	17:50	DMT	
1/056b5401.d	5099765001,	S/12768	SAMPLE	1	8082r	7/01/14	17:55	DMT	✓
1/057f5401.d	1118948,	S/12768	MS	1	8082f	7/01/14	17:55	DMT	
1/057b5501.d	1118948,	S/12768	MS	1	8082r	7/01/14	18:01	DMT	✓
1/058f5501.d	1118949,	S/12768	MSD	1	8082f	7/01/14	18:01	DMT	
1/058b5601.d	1118949,	S/12768	MSD	1	8082r	7/01/14	18:07	DMT	✓
1/059f5601.d	5099765002,	S/12768	SAMPLE	1	8082f	7/01/14	18:07	DMT	
1/059b5701.d	5099765002,	S/12768	SAMPLE	1	8082r	7/01/14	18:13	DMT	✓
1/060f5701.d	5099765003,	S/12768	SAMPLE	1	8082f	7/01/14	18:13	DMT	
1/060b5801.d	5099765003,	S/12768	SAMPLE	1	8082r	7/01/14	18:18	DMT	✓
1/061f5801.d	5099765004,	S/12768	SAMPLE	1	8082f	7/01/14	18:18	DMT	
1/061b5901.d	5099765004,	S/12768	SAMPLE	1	8082r	7/01/14	18:24	DMT	✓
1/062f5901.d	5099765005,	S/12768	SAMPLE	1	8082f	7/01/14	18:24	DMT	
1/062b6001.d	5099765005,	S/12768	SAMPLE	1	8082r	7/01/14	18:30	DMT	✓
1/063f6001.d	5099765006,	S/12768	SAMPLE	1	8082f	7/01/14	18:30	DMT	
1/063b6101.d	5099765006,	S/12768	SAMPLE	1	8082r	7/01/14	18:36	DMT	✓
1/064f6101.d	5099765007,	S/12768	SAMPLE	1	8082f	7/01/14	18:36	DMT	Copper clean ↓
1/064b6201.d	5099765007,	S/12768	SAMPLE	1	8082r	7/01/14	18:42	DMT	
1/065f6201.d	5099765008,	S/12768	SAMPLE	1	8082f	7/01/14	18:42	DMT	
1/065b6301.d	5099765008,	S/12768	SAMPLE	1	8082r	7/01/14	18:47	DMT	✓
1/066f6301.d	5099765009,	S/12768	SAMPLE	1	8082f	7/01/14	18:47	DMT	
1/066b6401.d	5099765009,	S/12768	SAMPLE	1	8082r	7/01/14	18:53	DMT	✓
1/067f6401.d	5099765010,	S/12768	SAMPLE	1	8082f	7/01/14	18:53	DMT	
1/067b6501.d	5099765010,	S/12768	SAMPLE	1	8082r	7/01/14	18:59	DMT	✓
1/068f6501.d	5099765011,	S/12768	SAMPLE	1	8082f	7/01/14	18:59	DMT	Copper clean ↓
1/068b6601.d	5099765011,	S/12768	SAMPLE	1	8082r	7/01/14	19:05	DMT	
1/069f6601.d	5099765012,	S/12768	SAMPLE	1	8082f	7/01/14	19:05	DMT	

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/069b6701.d	5099765012,	S/12768	SAMPLE	1	8082r	7/01/14	19:11	DMT	✓
1/070f6701.d	5099765013,	S/12768	SAMPLE	1	8082f	7/01/14	19:11	DMT	
1/011f6801.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	19:16	DMT	good
1/070b6801.d	5099765013,	S/12768	SAMPLE	1	8082r	7/01/14	19:16	DMT	✓
1/011b6901.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	19:22	DMT	good
1/071f6901.d	1120063,	S/12770	BLANK	1	8082f	7/01/14	19:22	DMT	
1/071b7001.d	1120063,	S/12770	BLANK	1	8082r	7/01/14	19:28	DMT	✓
1/072f7001.d	1120064,	S/12770	LCS	1	8082f	7/01/14	19:28	DMT	
1/072b7101.d	1120064,	S/12770	LCS	1	8082r	7/01/14	19:34	DMT	✓
1/073f7101.d	5099765014,	S/12770	SAMPLE	1	8082f	7/01/14	19:34	DMT	
1/073b7201.d	5099765014,	S/12770	SAMPLE	1	8082r	7/01/14	19:40	DMT	✓
1/074f7201.d	1120065,	S/12770	MS	1	8082f	7/01/14	19:40	DMT	
1/074b7301.d	1120065,	S/12770	MS	1	8082r	7/01/14	19:45	DMT	✓
1/075f7301.d	1120066,	S/12770	MSD	1	8082f	7/01/14	19:45	DMT	
1/075b7401.d	1120066,	S/12770	MSD	1	8082r	7/01/14	19:51	DMT	✓
1/076f7401.d	5099765015,	S/12770	SAMPLE	1	8082f	7/01/14	19:51	DMT	
1/076b7501.d	5099765015,	S/12770	SAMPLE	1	8082r	7/01/14	19:57	DMT	✓
1/077f7501.d	5099856001,	S/12770	SAMPLE	1	8082f	7/01/14	19:57	DMT	Copper clean
1/077b7601.d	5099856001,	S/12770	SAMPLE	1	8082r	7/01/14	20:03	DMT	↓
1/078f7601.d	5099856002,	S/12770	SAMPLE	1	8082f	7/01/14	20:03	DMT	
1/078b7701.d	5099856002,	S/12770	SAMPLE	1	8082r	7/01/14	20:08	DMT	
1/079f7701.d	5099856003,	S/12770	SAMPLE	1	8082f	7/01/14	20:08	DMT	
1/079b7801.d	5099856003,	S/12770	SAMPLE	1	8082r	7/01/14	20:14	DMT	
1/080f7801.d	5099856004,	S/12770	SAMPLE	1	8082f	7/01/14	20:14	DMT	
1/080b7901.d	5099856004,	S/12770	SAMPLE	1	8082r	7/01/14	20:20	DMT	✓
1/081f7901.d	5099856012,	S/12770	SAMPLE	1	8082f	7/01/14	20:20	DMT	
1/081b8001.d	5099856012,	S/12770	SAMPLE	1	8082r	7/01/14	20:26	DMT	✓
1/082f8001.d	5099856013,	S/12770	SAMPLE	1	8082f	7/01/14	20:26	DMT	
1/082b8101.d	5099856013,	S/12770	SAMPLE	1	8082r	7/01/14	20:32	DMT	✓
1/083f8101.d	5099916001,	S/12770	SAMPLE	1	8082f	7/01/14	20:32	DMT	Copper clean 2
1/083b8201.d	5099916001,	S/12770	SAMPLE	1	8082r	7/01/14	20:37	DMT	
1/084f8201.d	5099916002,	S/12770	SAMPLE	1	8082f	7/01/14	20:37	DMT	✓
1/084b8301.d	5099916002,	S/12770	SAMPLE	1	8082r	7/01/14	20:43	DMT	

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/085f8301.d	5099916003,	S/12770	SAMPLE	1	8082f	7/01/14	20:43	DMT	
1/085b8401.d	5099916003,	S/12770	SAMPLE	1	8082r	7/01/14	20:49	DMT	✓
1/086f8401.d	5099916004,	S/12770	SAMPLE	1	8082f	7/01/14	20:49	DMT	
1/086b8501.d	5099916004,	S/12770	SAMPLE	1	8082r	7/01/14	20:55	DMT	✓
1/087f8501.d	5099916005,	S/12770	SAMPLE	1	8082f	7/01/14	20:55	DMT	
1/087b8601.d	5099916005,	S/12770	SAMPLE	1	8082r	7/01/14	21:01	DMT	✓
1/088f8601.d	5099916006,	S/12770	SAMPLE	1	8082f	7/01/14	21:01	DMT	
1/088b8701.d	5099916006,	S/12770	SAMPLE	1	8082r	7/01/14	21:06	DMT	✓
1/089f8701.d	5099979005,	S/12770	SAMPLE	1	8082f	7/01/14	21:06	DMT	
1/089b8801.d	5099979005,	S/12770	SAMPLE	1	8082r	7/01/14	21:12	DMT	✓
1/090f8801.d	5099979006,	S/12770	SAMPLE	1	8082f	7/01/14	21:12	DMT	
1/090b8901.d	5099979006,	S/12770	SAMPLE	1	8082r	7/01/14	21:18	DMT	✓
1/091f8901.d	5099979007,	S/12770	SAMPLE	1	8082f	7/01/14	21:18	DMT	
1/091b9001.d	5099979007,	S/12770	SAMPLE	1	8082r	7/01/14	21:24	DMT	✓
1/092f9001.d	5099979008,	S/12770	SAMPLE	1	8082f	7/01/14	21:24	DMT	
1/092b9101.d	5099979008,	S/12770	SAMPLE	1	8082r	7/01/14	21:30	DMT	✓
1/093f9101.d	5099979009,	S/12770	SAMPLE	1	8082f	7/01/14	21:30	DMT	
1/093b9201.d	5099979009,	S/12770	SAMPLE	1	8082r	7/01/14	21:35	DMT	✓
1/094f9201.d	5099979010,	S/12770	SAMPLE	1	8082f	7/01/14	21:35	DMT	Copper clean
1/011f9301.d	CCV,71569:1	N/12692	CCALIB_4	1	8082f	7/01/14	21:41	DMT	good
1/094b9301.d	5099979010,	S/12770	SAMPLE	1	8082r	7/01/14	21:41	DMT	Copper clean
1/001f9401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/01/14	21:47	DMT	
1/011b9401.d	CCV,71569:1	N/12692	CCALIB_4	1	8082r	7/01/14	21:47	DMT	good

DT 7-2-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070114.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:37 07/02/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 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
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:32	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:32	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:41	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:41	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	20:56	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	20:56	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	21:02	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:02	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/02/14	21:07	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:07	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/02/14	21:13	DMT	
1/011f0601.d	CCV,71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	21:13	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/02/14	21:19	DMT	for reference only
1/011b0701.d	CCV,71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	21:19	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/02/14	21:25	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:25	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:30	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:30	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:36	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:36	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:42	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:42	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:48	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:48	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:53	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/02/14	21:53	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/02/14	21:59	DMT	
1/011f1401.d	CCV,71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	21:59	DMT	good
1/011b1501.d	CCV,71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	22:05	DMT	good
1/021f1501.d	1120630,	L/12771	BLANK	1	8082f	7/02/14	22:05	DMT	
1/021b1601.d	1120630,	L/12771	BLANK	1	8082r	7/02/14	22:11	DMT	OK
1/022f1601.d	1120631,	L/12771	LCS	1	8082f	7/02/14	22:11	DMT	
1/022b1701.d	1120631,	L/12771	LCS	1	8082r	7/02/14	22:16	DMT	OK

Copper cleanup

DT 7-3-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:53 07/03/2014

Page: 1

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/023f1701.d	50100093001,	L/12771	SAMPLE	1	8082f	7/02/14	22:16	DMT	1248 comment low bias
1/023b1801.d	50100093001,	L/12771	SAMPLE	1	8082r	7/02/14	22:22	DMT	✓ 1248 low surr/none for re-extract
1/024f1801.d	5099874003x100,	S/12772	SAMPLE	100	8082f	7/02/14	22:22	DMT	1254
1/024b1901.d	5099874003x100,	S/12772	SAMPLE	100	8082r	7/02/14	22:28	DMT	✓ 1254
1/025f1901.d	1118946,	S/12768	BLANK	1	8082f	7/02/14	22:28	DMT	
1/025b2001.d	1118946,	S/12768	BLANK	1	8082r	7/02/14	22:34	DMT	OK
1/026f2001.d	1118947,	S/12768	LCS	1	8082f	7/02/14	22:34	DMT	
1/026b2101.d	1118947,	S/12768	LCS	1	8082r	7/02/14	22:40	DMT	OK
1/027f2101.d	5099688011,	S/12768	SAMPLE	1	8082f	7/02/14	22:40	DMT	Rerun
1/027b2201.d	5099688011,	S/12768	SAMPLE	1	8082r	7/02/14	22:45	DMT	↓
1/028f2201.d	5099688012x10,	S/12768	SAMPLE	10	8082f	7/02/14	22:45	DMT	
1/028b2301.d	5099688012x10,	S/12768	SAMPLE	10	8082r	7/02/14	22:51	DMT	✓ D3/54
1/029f2301.d	5099765007,	S/12768	SAMPLE	1	8082f	7/02/14	22:51	DMT	
1/029b2401.d	5099765007,	S/12768	SAMPLE	1	8082r	7/02/14	22:57	DMT	✓
1/030f2401.d	5099765011,	S/12768	SAMPLE	1	8082f	7/02/14	22:57	DMT	
1/030b2501.d	5099765011,	S/12768	SAMPLE	1	8082r	7/02/14	23:03	DMT	✓ low surr/re-extract
1/031f2501.d	1120063,	S/12770	BLANK	1	8082f	7/02/14	23:03	DMT	
1/031b2601.d	1120063,	S/12770	BLANK	1	8082r	7/02/14	23:08	DMT	OK
1/032f2601.d	1120064,	S/12770	LCS	1	8082f	7/02/14	23:08	DMT	
1/032b2701.d	1120064,	S/12770	LCS	1	8082r	7/02/14	23:14	DMT	OK
1/033f2701.d	5099856001,	S/12770	SAMPLE	1	8082f	7/02/14	23:14	DMT	
1/033b2801.d	5099856001,	S/12770	SAMPLE	1	8082r	7/02/14	23:20	DMT	✓
1/034f2801.d	5099856002,	S/12770	SAMPLE	1	8082f	7/02/14	23:20	DMT	
1/034b2901.d	5099856002,	S/12770	SAMPLE	1	8082r	7/02/14	23:26	DMT	✓
1/035f2901.d	5099856003,	S/12770	SAMPLE	1	8082f	7/02/14	23:26	DMT	
1/035b3001.d	5099856003,	S/12770	SAMPLE	1	8082r	7/02/14	23:32	DMT	✓
1/036f3001.d	5099916001x5,	S/12770	SAMPLE	5	8082f	7/02/14	23:32	DMT	1254<RL
1/036b3101.d	5099916001x5,	S/12770	SAMPLE	5	8082r	7/02/14	23:37	DMT	✓ D3/1254<RL
1/037f3101.d	5099979010,	S/12770	SAMPLE	1	8082f	7/02/14	23:37	DMT	
1/011f3201.d	CCV,71826:1	N/12692	CCALIB_4	1	8082f	7/02/14	23:43	DMT	good
1/037b3201.d	5099979010,	S/12770	SAMPLE	1	8082r	7/02/14	23:43	DMT	✓
1/011b3301.d	CCV,71826:1	N/12692	CCALIB_4	1	8082r	7/02/14	23:49	DMT	good
1/038f3301.d	1121856,	L/12789	BLANK	1	8082f	7/02/14	23:49	DMT	

Copper Cleanup

DT 7-3-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:53 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2 — Method:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: — Surr. lot:
Tune std: _____ — Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/038b3401.d	1121856,	L/12789	BLANK	1	8082r	7/02/14	23:55	DMT	✓
1/039f3401.d	1121857,	L/12789	LCS	1	8082f	7/02/14	23:55	DMT	
1/039b3501.d	1121857,	L/12789	LCS	1	8082r	7/03/14	00:00	DMT	✓
1/040f3501.d	50100173001x20,	L/12789	SAMPLE	20	8082f	7/03/14	00:00	DMT	
1/040b3601.d	50100173001x20,	L/12789	SAMPLE	20	8082r	7/03/14	00:06	DMT	✓ D3/S4
1/041f3601.d	50100202001,	L/12789	SAMPLE	1	8082f	7/03/14	00:06	DMT	
1/041b3701.d	50100202001,	L/12789	SAMPLE	1	8082r	7/03/14	00:12	DMT	✓
1/042f3701.d	50100202002,	L/12789	SAMPLE	1	8082f	7/03/14	00:12	DMT	
1/042b3801.d	50100202002,	L/12789	SAMPLE	1	8082r	7/03/14	00:18	DMT	✓
1/043f3801.d	50100202003,	L/12789	SAMPLE	1	8082f	7/03/14	00:18	DMT	
1/043b3901.d	50100202003,	L/12789	SAMPLE	1	8082r	7/03/14	00:24	DMT	✓
1/044f3901.d	50100202004,	L/12789	SAMPLE	1	8082f	7/03/14	00:24	DMT	
1/044b4001.d	50100202004,	L/12789	SAMPLE	1	8082r	7/03/14	00:29	DMT	✓
1/045f4001.d	50100202005,	L/12789	SAMPLE	1	8082f	7/03/14	00:29	DMT	
1/045b4101.d	50100202005,	L/12789	SAMPLE	1	8082r	7/03/14	00:35	DMT	✓
1/046f4101.d	50100202006,	L/12789	SAMPLE	1	8082f	7/03/14	00:35	DMT	
1/011f4201.d	CCV,71826:1	N/12692	CCALIB_4	1	8082f	7/03/14	00:41	DMT	good
1/046b4201.d	50100202006,	L/12789	SAMPLE	1	8082r	7/03/14	00:41	DMT	✓
1/011b4301.d	CCV,71826:1	N/12692	CCALIB_4	1	8082r	7/03/14	00:47	DMT	good
1/047f4301.d	1121907,	S/12790	BLANK	1	8082f	7/03/14	00:47	DMT	
1/047b4401.d	1121907,	S/12790	BLANK	1	8082r	7/03/14	00:52	DMT	✓
1/048f4401.d	1121908,	S/12790	LCS	1	8082f	7/03/14	00:52	DMT	
1/048b4501.d	1121908,	S/12790	LCS	1	8082r	7/03/14	00:58	DMT	✓
1/049f4501.d	50100074010,	S/12790	SAMPLE	1	8082f	7/03/14	00:58	DMT	20x (hit)
1/049b4601.d	50100074010,	S/12790	SAMPLE	1	8082r	7/03/14	01:04	DMT	20x (hit)
1/050f4601.d	50100124001,	S/12790	SAMPLE	1	8082f	7/03/14	01:04	DMT	
1/050b4701.d	50100124001,	S/12790	SAMPLE	1	8082r	7/03/14	01:10	DMT	✓
1/051f4701.d	50100124002,	S/12790	SAMPLE	1	8082f	7/03/14	01:10	DMT	
1/051b4801.d	50100124002,	S/12790	SAMPLE	1	8082r	7/03/14	01:15	DMT	✓
1/052f4801.d	1121909,	S/12790	MS	1	8082f	7/03/14	01:15	DMT	
1/052b4901.d	1121909,	S/12790	MS	1	8082r	7/03/14	01:21	DMT	✓
1/053f4901.d	1121910,	S/12790	MSD	1	8082f	7/03/14	01:21	DMT	
1/053b5001.d	1121910,	S/12790	MSD	1	8082r	7/03/14	01:27	DMT	✓

DT 7-7-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:53 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/054f5001.d	50100124003,	S/12790	SAMPLE	1	8082f	7/03/14	01:27	DMT	1254
1/054b5101.d	50100124003,	S/12790	SAMPLE	1	8082r	7/03/14	01:33	DMT	✓ 1254
1/055f5101.d	50100124004,	S/12790	SAMPLE	1	8082f	7/03/14	01:33	DMT	
1/055b5201.d	50100124004,	S/12790	SAMPLE	1	8082r	7/03/14	01:39	DMT	✓
1/056f5201.d	50100124005,	S/12790	SAMPLE	1	8082f	7/03/14	01:39	DMT	
1/056b5301.d	50100124005,	S/12790	SAMPLE	1	8082r	7/03/14	01:44	DMT	✓
1/057f5301.d	50100124006,	S/12790	SAMPLE	1	8082f	7/03/14	01:44	DMT	
1/057b5401.d	50100124006,	S/12790	SAMPLE	1	8082r	7/03/14	01:50	DMT	✓
1/058f5401.d	50100124007,	S/12790	SAMPLE	1	8082f	7/03/14	01:50	DMT	
1/058b5501.d	50100124007,	S/12790	SAMPLE	1	8082r	7/03/14	01:56	DMT	✓
1/059f5501.d	50100124008,	S/12790	SAMPLE	1	8082f	7/03/14	01:56	DMT	
1/059b5601.d	50100124008,	S/12790	SAMPLE	1	8082r	7/03/14	02:02	DMT	✓
1/060f5601.d	50100124009x10,	S/12790	SAMPLE	10	8082f	7/03/14	02:02	DMT	
1/060b5701.d	50100124009x10,	S/12790	SAMPLE	10	8082r	7/03/14	02:08	DMT	✓ 03/54
1/061f5701.d	50100124010,	S/12790	SAMPLE	1	8082f	7/03/14	02:08	DMT	
1/061b5801.d	50100124010,	S/12790	SAMPLE	1	8082r	7/03/14	02:13	DMT	✓
1/062f5801.d	50100124011,	S/12790	SAMPLE	1	8082f	7/03/14	02:13	DMT	
1/062b5901.d	50100124011,	S/12790	SAMPLE	1	8082r	7/03/14	02:19	DMT	✓
1/063f5901.d	50100124012,	S/12790	SAMPLE	1	8082f	7/03/14	02:19	DMT	
1/011f6001.d	CCV,71826:1	N/12692	CCALIB_4	1	8082f	7/03/14	02:25	DMT	good
1/063b6001.d	50100124012,	S/12790	SAMPLE	1	8082r	7/03/14	02:25	DMT	✓
1/001f6101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/03/14	02:31	DMT	
1/011b6101.d	CCV,71826:1	N/12692	CCALIB_4	1	8082r	7/03/14	02:31	DMT	good

DT 7-3-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070214.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 14:53 07/03/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
Misc. Prep Info [S]:
ISTD lot:
Tune std: _____

Method:

Surr. lot:
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/001f0101.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	12:54	DMT	
1/002b0101.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	12:54	DMT	
1/001f0201.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	13:03	DMT	
1/002b0201.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	13:03	DMT	
1/001f0301.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	13:18	DMT	
1/002b0301.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	13:18	DMT	
1/001f0401.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	13:24	DMT	
1/002b0401.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	13:24	DMT	
1/001f0501.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	13:29	DMT	
1/002b0501.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	13:29	DMT	
1/002b0601.d	HEXANE 62052	N/	SAMPLE	1	8082r	7/08/14	13:35	DMT	
1/011f0601.d	CCV,71977:1	N/12692	CCALIB_4	1	8082f	7/08/14	13:35	DMT	good
1/003f0701.d	1221 1000 ppb	N/	SAMPLE	1	8082f	7/08/14	13:41	DMT	for reference only
1/011b0701.d	CCV,71977:1	N/12692	CCALIB_4	1	8082r	7/08/14	13:41	DMT	good
1/003b0801.d	1221 1000 ppb	N/	SAMPLE	1	8082r	7/08/14	13:47	DMT	
1/004f0801.d	1232 500 ppb	N/	SAMPLE	1	8082f	7/08/14	13:47	DMT	
1/004b0901.d	1232 500 ppb	N/	SAMPLE	1	8082r	7/08/14	13:52	DMT	
1/005f0901.d	1242 500 ppb	N/	SAMPLE	1	8082f	7/08/14	13:52	DMT	
1/005b1001.d	1242 500 ppb	N/	SAMPLE	1	8082r	7/08/14	13:58	DMT	
1/006f1001.d	1248 500 ppb	N/	SAMPLE	1	8082f	7/08/14	13:58	DMT	
1/006b1101.d	1248 500 ppb	N/	SAMPLE	1	8082r	7/08/14	14:04	DMT	
1/007f1101.d	1254 500 ppb	N/	SAMPLE	1	8082f	7/08/14	14:04	DMT	
1/007b1201.d	1254 500 ppb	N/	SAMPLE	1	8082r	7/08/14	14:09	DMT	
1/008f1201.d	1262 500 ppb	N/	SAMPLE	1	8082f	7/08/14	14:09	DMT	
1/008b1301.d	1262 500 ppb	N/	SAMPLE	1	8082r	7/08/14	14:15	DMT	
1/009f1301.d	1268 500 ppb	N/	SAMPLE	1	8082f	7/08/14	14:15	DMT	
1/009b1401.d	1268 500 ppb	N/	SAMPLE	1	8082r	7/08/14	14:21	DMT	
1/011f1401.d	CCV,71977:1	N/12692	CCALIB_4	1	8082f	7/08/14	14:21	DMT	good
1/011b1501.d	CCV,71977:1	N/12692	CCALIB_4	1	8082r	7/08/14	14:27	DMT	good
1/021f1501.d	1123362,	S/12810	BLANK	1	8082f	7/08/14	14:27	DMT	
1/021b1601.d	1123362,	S/12810	BLANK	1	8082r	7/08/14	14:32	DMT	✓
1/022f1601.d	1123363,	S/12810	LCS	1	8082f	7/08/14	14:32	DMT	
1/022b1701.d	1123363,	S/12810	LCS	1	8082r	7/08/14	14:38	DMT	✓
1/023f1701.d	50100357001,	S/12810	SAMPLE	1	8082f	7/08/14	14:38	DMT	

DT 7-8-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070814.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 20:25 07/08/2014

Page: 1

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
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
1/023b1801.d	50100357001,	S/12810	SAMPLE	1	8082r	7/08/14	14:44	DMT	✓
1/024f1801.d	50100357002,	S/12810	SAMPLE	1	8082f	7/08/14	14:44	DMT	
1/024b1901.d	50100357002,	S/12810	SAMPLE	1	8082r	7/08/14	14:50	DMT	✓
1/025f1901.d	50100357003,	S/12810	SAMPLE	1	8082f	7/08/14	14:50	DMT	
1/025b2001.d	50100357003,	S/12810	SAMPLE	1	8082r	7/08/14	14:56	DMT	✓
1/026f2001.d	50100357004,	S/12810	SAMPLE	1	8082f	7/08/14	14:56	DMT	
1/026b2101.d	50100357004,	S/12810	SAMPLE	1	8082r	7/08/14	15:01	DMT	✓
1/027f2101.d	50100357005,	S/12810	SAMPLE	1	8082f	7/08/14	15:01	DMT	
1/027b2201.d	50100357005,	S/12810	SAMPLE	1	8082r	7/08/14	15:07	DMT	✓
1/028f2201.d	50100357006,	S/12810	SAMPLE	1	8082f	7/08/14	15:07	DMT	
1/028b2301.d	50100357006,	S/12810	SAMPLE	1	8082r	7/08/14	15:13	DMT	✓
1/029f2301.d	50100357007,	S/12810	SAMPLE	1	8082f	7/08/14	15:13	DMT	
1/029b2401.d	50100357007,	S/12810	SAMPLE	1	8082r	7/08/14	15:19	DMT	✓
1/030f2401.d	50100357008,	S/12810	SAMPLE	1	8082f	7/08/14	15:19	DMT	
1/030b2501.d	50100357008,	S/12810	SAMPLE	1	8082r	7/08/14	15:24	DMT	✓
1/031f2501.d	50100357009,	S/12810	SAMPLE	1	8082f	7/08/14	15:24	DMT	
1/031b2601.d	50100357009,	S/12810	SAMPLE	1	8082r	7/08/14	15:30	DMT	✓
1/032f2601.d	50100351001,	S/12810	SAMPLE	1	8082f	7/08/14	15:30	DMT	Copper clean ↓
1/032b2701.d	50100351001,	S/12810	SAMPLE	1	8082r	7/08/14	15:36	DMT	
1/033f2701.d	50100351002,	S/12810	SAMPLE	1	8082f	7/08/14	15:36	DMT	
1/033b2801.d	50100351002,	S/12810	SAMPLE	1	8082r	7/08/14	15:42	DMT	✓
1/034f2801.d	50100360001,	S/12810	SAMPLE	1	8082f	7/08/14	15:42	DMT	
1/034b2901.d	50100360001,	S/12810	SAMPLE	1	8082r	7/08/14	15:47	DMT	✓
1/035f2901.d	50100360003,	S/12810	SAMPLE	1	8082f	7/08/14	15:47	DMT	1254
1/035b3001.d	50100360003,	S/12810	SAMPLE	1	8082r	7/08/14	15:53	DMT	✓ 1254
1/036f3001.d	50100360005,	S/12810	SAMPLE	1	8082f	7/08/14	15:53	DMT	
1/036b3101.d	50100360005,	S/12810	SAMPLE	1	8082r	7/08/14	15:59	DMT	✓
1/037f3101.d	1123364,	S/12810	MS	1	8082f	7/08/14	15:59	DMT	
1/037b3201.d	1123364,	S/12810	MS	1	8082r	7/08/14	16:05	DMT	✓
1/038f3201.d	1123365,	S/12810	MSD	1	8082f	7/08/14	16:05	DMT	↑
1/038b3301.d	1123365,	S/12810	MSD	1	8082r	7/08/14	16:10	DMT	poor recovery
1/039f3301.d	50100360007,	S/12810	SAMPLE	1	8082f	7/08/14	16:10	DMT	
1/039b3401.d	50100360007,	S/12810	SAMPLE	1	8082r	7/08/14	16:16	DMT	✓
1/040f3401.d	50100360009,	S/12810	SAMPLE	1	8082f	7/08/14	16:16	DMT	

DT 7-8-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070814.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 20:25 07/08/2014

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50GCS8.i
Column 0m X 0mm H2
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
1/040b3501.d	50100360009,	S/12810	SAMPLE	1	8082r	7/08/14	16:22	DMT	✓
1/041f3501.d	50100360011,	S/12810	SAMPLE	1	8082f	7/08/14	16:22	DMT	
1/041b3601.d	50100360011,	S/12810	SAMPLE	1	8082r	7/08/14	16:28	DMT	✓
1/042f3601.d	50100360012,	S/12810	SAMPLE	1	8082f	7/08/14	16:28	DMT	
1/042b3701.d	50100360012,	S/12810	SAMPLE	1	8082r	7/08/14	16:33	DMT	✓
1/043f3701.d	50100360013,	S/12810	SAMPLE	1	8082f	7/08/14	16:33	DMT	
1/043b3801.d	50100360013,	S/12810	SAMPLE	1	8082r	7/08/14	16:39	DMT	✓
1/044f3801.d	5099765011,	S/12810	SAMPLE	1	8082f	7/08/14	16:39	DMT	
1/011f3901.d	CCV,71977:1	N/12692	CCALIB_4	1	8082f	7/08/14	16:45	DMT	good
1/044b3901.d	5099765011,	S/12810	SAMPLE	1	8082r	7/08/14	16:45	DMT	✓
1/001f4001.d	HEXANE 62052	N/	SAMPLE	1	8082f	7/08/14	16:51	DMT	
1/011b4001.d	CCV,71977:1	N/12692	CCALIB_4	1	8082r	7/08/14	16:51	DMT	good

DT 7-8-14

File Path 1: \\192.168.50.6\chem\50GCS8.i\070814.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 20:25 07/08/2014

SAMPLE NO.

P-10 (2-4)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765001 Percent Moisture: 10.1

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 11:32
7440-38-2	Arsenic	2.0		mg/kg	1	06/27/2014 11:32
7440-47-3	Chromium	7.4		mg/kg	1	06/27/2014 11:32
7440-48-4	Cobalt	5.3		mg/kg	1	06/27/2014 11:32
7439-89-6	Iron	7180		mg/kg	1	06/27/2014 11:32
7439-92-1	Lead	5.5		mg/kg	1	06/27/2014 11:32
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 11:32
7440-28-0	Thallium	2.3		mg/kg	1	06/27/2014 11:32

SAMPLE NO.

P-10 (12-14)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765002 Percent Moisture: 2.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 11:42
7440-38-2	Arsenic	1.3		mg/kg	1	06/27/2014 11:42
7440-47-3	Chromium	2.4		mg/kg	1	06/27/2014 11:42
7440-48-4	Cobalt	1.2		mg/kg	1	06/27/2014 11:42
7439-89-6	Iron	2630		mg/kg	1	06/27/2014 11:42
7439-92-1	Lead	2.0		mg/kg	1	06/27/2014 11:42
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 11:42
7440-28-0	Thallium	1.6		mg/kg	1	06/27/2014 11:42

SAMPLE NO.

TMW-10 (3-5)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765003 Percent Moisture: 8.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 11:44
7440-38-2	Arsenic	4.1		mg/kg	1	06/27/2014 11:44
7440-47-3	Chromium	9.4		mg/kg	1	06/27/2014 11:44
7440-48-4	Cobalt	2.8		mg/kg	1	06/27/2014 11:44
7439-89-6	Iron	10300		mg/kg	1	06/27/2014 11:44
7439-92-1	Lead	5.9		mg/kg	1	06/27/2014 11:44
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 11:44
7440-28-0	Thallium	3.2		mg/kg	1	06/27/2014 11:44

SAMPLE NO.

TMW-10 (10-12)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765004 Percent Moisture: 6.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 11:46
7440-38-2	Arsenic	3.4		mg/kg	1	06/27/2014 11:46
7440-47-3	Chromium	7.3		mg/kg	1	06/27/2014 11:46
7440-48-4	Cobalt	3.2		mg/kg	1	06/27/2014 11:46
7439-89-6	Iron	8210		mg/kg	1	06/27/2014 11:46
7439-92-1	Lead	7.5		mg/kg	1	06/27/2014 11:46
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 11:46
7440-28-0	Thallium	1.7		mg/kg	1	06/27/2014 11:46

SAMPLE NO.

TMW-2 (3-5)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765005 Percent Moisture: 6.4

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 11:48
7440-38-2	Arsenic	1.8		mg/kg	1	06/27/2014 11:48
7440-47-3	Chromium	7.0		mg/kg	1	06/27/2014 11:48
7440-48-4	Cobalt	2.3		mg/kg	1	06/27/2014 11:48
7439-89-6	Iron	6730		mg/kg	1	06/27/2014 11:48
7439-92-1	Lead	5.8		mg/kg	1	06/27/2014 11:48
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 11:48
7440-28-0	Thallium	6.3		mg/kg	1	06/27/2014 11:48

SAMPLE NO.

TMW-2 (13-15)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765006 Percent Moisture: 16.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:08
7440-38-2	Arsenic	2.2		mg/kg	1	06/27/2014 12:08
7440-47-3	Chromium	3.0		mg/kg	1	06/27/2014 12:08
7440-48-4	Cobalt	1.5		mg/kg	1	06/27/2014 12:08
7439-89-6	Iron	4160		mg/kg	1	06/27/2014 12:08
7439-92-1	Lead	2.8		mg/kg	1	06/27/2014 12:08
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:08
7440-28-0	Thallium	2.2		mg/kg	1	06/27/2014 12:08

SAMPLE NO.

P-1 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765007 Percent Moisture: 4.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	7.9		mg/kg	1	06/27/2014 12:11
7440-38-2	Arsenic	48.4		mg/kg	1	06/27/2014 12:11
7440-47-3	Chromium	45.1		mg/kg	1	06/27/2014 12:11
7440-48-4	Cobalt	22.9		mg/kg	1	06/27/2014 12:11
7439-89-6	Iron	253000		mg/kg	20	06/27/2014 13:26
7439-92-1	Lead	97.9		mg/kg	1	06/27/2014 12:11
7782-49-2	Selenium	ND	U	mg/kg	20	06/27/2014 13:26
7440-28-0	Thallium	1.9		mg/kg	1	06/27/2014 12:11

SAMPLE NO.

P-1 (18-20)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765008 Percent Moisture: 13.1

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:13
7440-38-2	Arsenic	1.5		mg/kg	1	06/27/2014 12:13
7440-47-3	Chromium	2.8		mg/kg	1	06/27/2014 12:13
7440-48-4	Cobalt	1.5		mg/kg	1	06/27/2014 12:13
7439-89-6	Iron	3140		mg/kg	1	06/27/2014 12:13
7439-92-1	Lead	2.1		mg/kg	1	06/27/2014 12:13
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:13
7440-28-0	Thallium	1.8		mg/kg	1	06/27/2014 12:13

SAMPLE NO.

TMW-1 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765009 Percent Moisture: 4.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:15
7440-38-2	Arsenic	2.3		mg/kg	1	06/27/2014 12:15
7440-47-3	Chromium	4.7		mg/kg	1	06/27/2014 12:15
7440-48-4	Cobalt	2.2		mg/kg	1	06/27/2014 12:15
7439-89-6	Iron	10100		mg/kg	1	06/27/2014 12:15
7439-92-1	Lead	3.8		mg/kg	1	06/27/2014 12:15
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:15
7440-28-0	Thallium	1.9		mg/kg	1	06/27/2014 12:15

SAMPLE NO.

TMW-1 (11-13)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765010 Percent Moisture: 11.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:17
7440-38-2	Arsenic	2.8		mg/kg	1	06/27/2014 12:17
7440-47-3	Chromium	4.5		mg/kg	1	06/27/2014 12:17
7440-48-4	Cobalt	1.2		mg/kg	1	06/27/2014 12:17
7439-89-6	Iron	5410		mg/kg	1	06/27/2014 12:17
7439-92-1	Lead	2.9		mg/kg	1	06/27/2014 12:17
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:17
7440-28-0	Thallium	2.8		mg/kg	1	06/27/2014 12:17

SAMPLE NO.

TMW-8 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765011 Percent Moisture: 12.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	1.2		mg/kg	1	06/27/2014 12:19
7440-38-2	Arsenic	24.2		mg/kg	1	06/27/2014 12:19
7440-47-3	Chromium	28.7		mg/kg	1	06/27/2014 12:19
7440-48-4	Cobalt	7.9		mg/kg	1	06/27/2014 12:19
7439-89-6	Iron	90000		mg/kg	10	06/27/2014 13:28
7439-92-1	Lead	21.8		mg/kg	1	06/27/2014 12:19
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:19
7440-28-0	Thallium	3.1		mg/kg	1	06/27/2014 12:19

SAMPLE NO.

TMW-8 (10-12)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765012 Percent Moisture: 3.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:21
7440-38-2	Arsenic	2.2		mg/kg	1	06/27/2014 12:21
7440-47-3	Chromium	3.9		mg/kg	1	06/27/2014 12:21
7440-48-4	Cobalt	1.3		mg/kg	1	06/27/2014 12:21
7439-89-6	Iron	4420		mg/kg	1	06/27/2014 12:21
7439-92-1	Lead	3.6		mg/kg	1	06/27/2014 12:21
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:21
7440-28-0	Thallium	1.9		mg/kg	1	06/27/2014 12:21

SAMPLE NO.

P-2 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765013 Percent Moisture: 8.0

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:23
7440-38-2	Arsenic	2.1		mg/kg	1	06/27/2014 12:23
7440-47-3	Chromium	5.4		mg/kg	1	06/27/2014 12:23
7440-48-4	Cobalt	2.0		mg/kg	1	06/27/2014 12:23
7439-89-6	Iron	5250		mg/kg	1	06/27/2014 12:23
7439-92-1	Lead	3.4		mg/kg	1	06/27/2014 12:23
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:23
7440-28-0	Thallium	2.5		mg/kg	1	06/27/2014 12:23

SAMPLE NO.

P-2 (18-20)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765014 Percent Moisture: 11.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:25
7440-38-2	Arsenic	1.9		mg/kg	1	06/27/2014 12:25
7440-47-3	Chromium	8.8		mg/kg	1	06/27/2014 12:25
7440-48-4	Cobalt	1.6		mg/kg	1	06/27/2014 12:25
7439-89-6	Iron	4680		mg/kg	1	06/27/2014 12:25
7439-92-1	Lead	3.5		mg/kg	1	06/27/2014 12:25
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:25
7440-28-0	Thallium	2.7		mg/kg	1	06/27/2014 12:25

SAMPLE NO.

Subsurf-Dup

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765015 Percent Moisture: 3.3

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	mg/kg	1	06/27/2014 12:27
7440-38-2	Arsenic	3.6		mg/kg	1	06/27/2014 12:27
7440-47-3	Chromium	3.1		mg/kg	1	06/27/2014 12:27
7440-48-4	Cobalt	1.1		mg/kg	1	06/27/2014 12:27
7439-89-6	Iron	5410		mg/kg	1	06/27/2014 12:27
7439-92-1	Lead	6.1		mg/kg	1	06/27/2014 12:27
7782-49-2	Selenium	ND	U	mg/kg	1	06/27/2014 12:27
7440-28-0	Thallium	2.7		mg/kg	1	06/27/2014 12:27

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Initial Calibration Verification Source: 71508

Continuing Calibration Verification Source: 71509

Concentration Units: ug/L Instrument ID: 50ICP3

	Initial Calibration Verification				Continuing Calibration Verification						
	06/27/2014 08:32				06/27/2014 09:08			06/27/2014 10:59			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Antimony	1000	1020	101.8	90-110	1000	1030	103.4	1000	1030	103.1	90-110
Arsenic	1000	1010	100.8	90-110	1000	1020	102.2	1000	1010	100.8	90-110
Chromium	1000	1000	100.1	90-110	1000	1020	102.0	1000	966	96.6	90-110
Cobalt	1000	978	97.8	90-110	1000	992	99.2	1000	982	98.2	90-110
Iron	10000	10100	100.7	90-110	10000	10200	102.2	10000	10200	101.5	90-110
Lead	1000	975	97.5	90-110	1000	992	99.2	1000	974	97.4	90-110
Selenium	1000	985	98.5	90-110	1000	996	99.6	1000	989	98.9	90-110
Thallium	1000	996	99.6	90-110	1000	1010	101.0	1000	1000	100.4	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 71509

Concentration Units: ug/L Instrument ID: 50ICP3

	Continuing Calibration Verification									
	06/27/2014 11:26			06/27/2014 11:50			06/27/2014 12:29			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Antimony	1000	1030	102.9	1000	1040	103.7	1000	1030	103.2	90-110
Arsenic	1000	1000	100.4	1000	1010	101.3	1000	1000	100.5	90-110
Chromium	1000	978	97.8	1000	963	96.3	1000	980	98.0	90-110
Cobalt	1000	982	98.2	1000	989	98.9	1000	985	98.5	90-110
Iron	10000	10000	100.2	10000	10200	101.9	10000	10100	101.4	90-110
Lead	1000	968	96.8	1000	977	97.7	1000	972	97.2	90-110
Selenium	1000	985	98.5	1000	997	99.7	1000	994	99.4	90-110
Thallium	1000	1000	100.0	1000	1010	101.0	1000	1000	100.4	90-110

FORM II INORGANIC-3

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 71509

Concentration Units: ug/L Instrument ID: 50ICP3

	Continuing Calibration Verification						
	06/27/2014 13:22			06/27/2014 13:30			Control Limit
Analyte	True	Found	%R	True	Found	%R	
Antimony	1000	1070	106.9	1000	1030	102.9	90-110
Arsenic	1000	1040	104.3	1000	1010	100.8	90-110
Chromium	1000	1020	101.6	1000	985	98.5	90-110
Cobalt	1000	1020	102.2	1000	984	98.4	90-110
Iron	10000	10400	104.3	10000	10200	101.9	90-110
Lead	1000	1010	100.9	1000	977	97.7	90-110
Selenium	1000	1020	102.3	1000	988	98.8	90-110
Thallium	1000	1040	103.8	1000	1000	100.3	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/27/2014 08:37

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	7.3	121.8	50-150
Arsenic	10.0	9.4	93.8	50-150
Chromium	10.0	11.4	113.7	50-150
Cobalt	10.0	10.0	100.1	50-150
Iron	100	86.4	86.4	50-150
Lead	10.0	8.4	83.8	50-150
Selenium	10.0	9.4	94.3	50-150
Thallium	10.0	12.4	123.6	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/27/2014 11:03

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.5	141.2	50-150
Arsenic	10.0	11.1	111.4	50-150
Chromium	10.0	10	99.9	50-150
Cobalt	10.0	10.0	100.0	50-150
Iron	100	110	109.5	50-150
Lead	10.0	7.9	79.3	50-150
Selenium	10.0	10.6	106.5	50-150
Thallium	10.0	10.2	102.5	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/27/2014 11:54

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.8	146.6	50-150
Arsenic	10.0	10.6	106.0	50-150
Chromium	10.0	11.6	116.2	50-150
Cobalt	10.0	10.2	101.7	50-150
Iron	100	104	104.2	50-150
Lead	10.0	8.7	87.5	50-150
Selenium	10.0	10.8	108.1	50-150
Thallium	10.0	11.2	112.5	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

CRDL Check Standard Source: 71369 Analysis Date/Time: 06/27/2014 13:34

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	7.7	128.8	50-150
Arsenic	10.0	10.8	108.1	50-150
Chromium	10.0	9.0	90.0	50-150
Cobalt	10.0	10.0	100.1	50-150
Iron	100	104	103.7	50-150
Lead	10.0	7.6	76.3	50-150
Selenium	10.0	9.9	98.8	50-150
Thallium	10.0	11.8	117.7	50-150

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 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	
	06/27/2014 08:35	C	06/27/2014 09:10	C	06/27/2014 11:01	C	06/27/2014 11:28	C	1117278	C
Antimony	4.0	U	8.8		8.1		8.3		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	5.0	U	5.0	U	5.0	U	5.0	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	5.0	U	5.0	U	5.0	U	5.0	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract : Sibley-Accucast

Method Blank Matrix: Instrument ID: 50ICP3

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	06/27/2014 11:52	C	06/27/2014 12:31	C	06/27/2014 13:24	C
Antimony			7.9		7.3		7.8	
Arsenic			5.0	U	5.0	U	5.0	U
Chromium			5.0	U	5.0	U	6.9	J
Cobalt			5.0	U	5.0	U	5.0	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			5.0	U	5.0	U	5.0	U

FORM III INORGANIC-3

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract : Sibley-Accucast

Method Blank Matrix: Instrument ID: 50ICP3

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	06/27/2014 13:32	C		C		C
Antimony			6.9					
Arsenic			5.0	U				
Chromium			5.0	U				
Cobalt			5.0	U				
Iron			50.0	U				
Lead			4.0	U				
Selenium			5.0	U				
Thallium			5.0	U				

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50ICP3 Solution A Run Date: 06/27/2014 08:39

ICS Source: 71306,71307 Solution AB Run Date: 06/27/2014 08:42

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	500000	500000	498300	99.7	500100	100	80-120
Antimony		500	4.41		536.7	107.3	80-120
Arsenic		500	4.984		527.1	105.4	80-120
Calcium	500000	500000	462000	92.4	463100	92.6	80-120
Chromium		500	-3.312		485.1	97	80-120
Cobalt		500	3.437		487.8	97.6	80-120
Iron	200000	200000	195500	97.8	196000	98	80-120
Lead		500	-3.56		485.2	97	80-120
Magnesium	500000	500000	545100	109	545800	109.2	80-120
Selenium		500	-11.69		484.3	96.9	80-120
Thallium		500	0.9833		505.9	101.2	80-120

SAMPLE NO.

1117280MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-10 (2-4)

Percent Moisture: 10.1

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	22.3	ND	52.3	42*
Arsenic	mg/kg	75-125	55.2	2.0	52.3	102
Chromium	mg/kg	75-125	60.4	7.4	52.3	101
Cobalt	mg/kg	75-125	57.2	5.3	52.3	99
Iron	mg/kg	75-125	8060	7180	523	167*
Lead	mg/kg	75-125	56.9	5.5	52.3	98
Selenium	mg/kg	75-125	53.2	ND	52.3	102
Thallium	mg/kg	75-125	55.5	2.3	52.3	102

* Spike Recovery outside QC Limits

SAMPLE NO.

1117281MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-10 (2-4)

Percent Moisture: 10.1

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	mg/kg	75-125	20.9	ND	48.9	43*
Arsenic	mg/kg	75-125	52.0	2.0	48.9	102
Chromium	mg/kg	75-125	56.8	7.4	48.9	101
Cobalt	mg/kg	75-125	53.7	5.3	48.9	99
Iron	mg/kg	75-125	8190	7180	489	206*
Lead	mg/kg	75-125	53.5	5.5	48.9	98
Selenium	mg/kg	75-125	50.1	ND	48.9	102
Thallium	mg/kg	75-125	52.1	2.3	48.9	102

* Spike Recovery outside QC Limits

SAMPLE NO.

1118847PDS

FORM V INORGANIC-1

POST-DIGESTION SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Parent Sample ID: P-10 (2-4)

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1	1020	1	10.0U	1000	102.2
Arsenic	ug/L	75-125	1	1040	1	37.0	1000	100.6
Chromium	ug/L	75-125	1	1080	1	138	1000	94.1
Cobalt	ug/L	75-125	1	1060	1	99.4	1000	96.1
Iron	ug/L	75-125	1	142000	1	135000	10000	67.0*
Lead	ug/L	75-125	1	1050	1	104	1000	94.7
Selenium	ug/L	75-125	1	1040	1	10.0U	1000	103.5
Thallium	ug/L	75-125	1	1030	1	43.3	1000	98.3

SAMPLE NO.

1117281MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 10.1 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	22.3	20.9	7
Arsenic	20	55.2	52.0	6
Chromium	20	60.4	56.8	6
Cobalt	20	57.2	53.7	6
Iron	20	8060	8190	2
Lead	20	56.9	53.5	6
Selenium	20	53.2	50.1	6
Thallium	20	55.5	52.1	6

SAMPLE NO.

1117279LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Antimony	mg/kg	50.0	52.8	106	80	120
Arsenic	mg/kg	50.0	51.6	103	80	120
Chromium	mg/kg	50.0	49.8	100	80	120
Cobalt	mg/kg	50.0	50.8	102	80	120
Iron	mg/kg	500	516	103	80	120
Lead	mg/kg	50.0	50.0	100	80	120
Selenium	mg/kg	50.0	50.1	100	80	120
Thallium	mg/kg	50.0	51.6	103	80	120

SAMPLE NO.

1118848SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Parent Sample ID: P-10 (2-4)

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony	ug/L	10.0U	51.2J		10
Arsenic	ug/L	37.0	50.0U		10
Chromium	ug/L	138	144	3.9	10
Cobalt	ug/L	99.4	101	1.2	10
Iron	ug/L	135000	139000	2.8	10
Lead	ug/L	104	107	2.9	10
Selenium	ug/L	10.0U	50.0U		10
Thallium	ug/L	43.3	50.0U		10

% Difference not evaluated for parent results less than 50 times the reporting limit.

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/27/2014 08:15 End Date: 06/27/2014 13:34

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
6908184CAL0	6908184CAL0	1	06/27/2014	08:15	X	X	X	X	X	X	X	X
6908185CAL1	6908185CAL1	1	06/27/2014	08:17					X		X	
6908186CAL2	6908186CAL2	1	06/27/2014	08:19		X		X				
6908187CAL3	6908187CAL3	1	06/27/2014	08:21	X							
6908188CAL4	6908188CAL4	1	06/27/2014	08:24			X					
6908189CAL5	6908189CAL5	1	06/27/2014	08:26						X		X
6908192ICV	6908192ICV	1	06/27/2014	08:32	X	X	X	X	X	X	X	X
6908193ICB	6908193ICB	1	06/27/2014	08:35	X	X	X	X	X	X	X	X
6908194CRDL	6908194CRDL	1	06/27/2014	08:37	X	X	X	X	X	X	X	X
6908195ICSA	6908195ICSA	1	06/27/2014	08:39	X	X	X	X	X	X	X	X
6908196ICSAB	6908196ICSAB	1	06/27/2014	08:42	X	X	X	X	X	X	X	X
6908197CCV	6908197CCV	1	06/27/2014	09:08	X	X	X	X	X	X	X	X
6908198CCB	6908198CCB	1	06/27/2014	09:10	X	X	X	X	X	X	X	X
6908208CCV	6908208CCV	1	06/27/2014	10:59	X	X	X	X	X	X	X	X
6908209CCB	6908209CCB	1	06/27/2014	11:01	X	X	X	X	X	X	X	X
6908210CRDL	6908210CRDL	1	06/27/2014	11:03	X	X	X	X	X	X	X	X
1117278BLANK	1117278	1	06/27/2014	11:22	X	X	X	X	X	X	X	X
1117279LCS	1117279	1	06/27/2014	11:24	X	X	X	X	X	X	X	X
6908211CCV	6908211CCV	1	06/27/2014	11:26	X	X	X	X	X	X	X	X
6908212CCB	6908212CCB	1	06/27/2014	11:28	X	X	X	X	X	X	X	X
P-10 (2-4)	5099765001	1	06/27/2014	11:32	X	X	X	X	X	X	X	X
1117280MS	1117280	1	06/27/2014	11:34	X	X	X	X	X	X	X	X
1117281MSD	1117281	1	06/27/2014	11:36	X	X	X	X	X	X	X	X
1118847PDS	1118847	1	06/27/2014	11:38	X	X	X	X	X	X	X	X
1118848SD	1118848	1	06/27/2014	11:40	X	X	X	X	X	X	X	X
P-10 (12-14)	5099765002	1	06/27/2014	11:42	X	X	X	X	X	X	X	X
TMW-10 (3-5)	5099765003	1	06/27/2014	11:44	X	X	X	X	X	X	X	X
TMW-10 (10-12)	5099765004	1	06/27/2014	11:46	X	X	X	X	X	X	X	X
TMW-2 (3-5)	5099765005	1	06/27/2014	11:48	X	X	X	X	X	X	X	X
6908213CCV	6908213CCV	1	06/27/2014	11:50	X	X	X	X	X	X	X	X
6908214CCB	6908214CCB	1	06/27/2014	11:52	X	X	X	X	X	X	X	X
6908215CRDL	6908215CRDL	1	06/27/2014	11:54	X	X	X	X	X	X	X	X
TMW-2 (13-15)	5099765006	1	06/27/2014	12:08	X	X	X	X	X	X	X	X
P-1 (1-3)	5099765007	1	06/27/2014	12:11	X	X	X		X	X		X
P-1 (18-20)	5099765008	1	06/27/2014	12:13	X	X	X	X	X	X	X	X
TMW-1 (1-3)	5099765009	1	06/27/2014	12:15	X	X	X	X	X	X	X	X
TMW-1 (11-13)	5099765010	1	06/27/2014	12:17	X	X	X	X	X	X	X	X
TMW-8 (1-3)	5099765011	1	06/27/2014	12:19	X	X	X		X	X	X	X
TMW-8 (10-12)	5099765012	1	06/27/2014	12:21	X	X	X	X	X	X	X	X
P-2 (1-3)	5099765013	1	06/27/2014	12:23	X	X	X	X	X	X	X	X
P-2 (18-20)	5099765014	1	06/27/2014	12:25	X	X	X	X	X	X	X	X
Subsurf-Dup	5099765015	1	06/27/2014	12:27	X	X	X	X	X	X	X	X
6908216CCV	6908216CCV	1	06/27/2014	12:29	X	X	X	X	X	X	X	X
6908217CCB	6908217CCB	1	06/27/2014	12:31	X	X	X	X	X	X	X	X
6908264CCV	6908264CCV	1	06/27/2014	13:22	X	X	X	X	X	X	X	X

FORM XIII INORGANIC-2
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50ICP3 Analysis Method: EPA 6010

Start Date: 06/27/2014 08:15 End Date: 06/27/2014 13:34

Sample Name	Lab Sample ID	D/F	Date	Time	As	Co	Cr	Fe	Pb	Sb	Se	Tl
6908265CCB	6908265CCB	1	06/27/2014	13:24	X	X	X	X	X	X	X	X
P-1 (1-3)	5099765007	20	06/27/2014	13:26				X			X	
TMW-8 (1-3)	5099765011	10	06/27/2014	13:28				X				
6908268CCV	6908268CCV	1	06/27/2014	13:30	X	X	X	X	X	X	X	X
6908269CCB	6908269CCB	1	06/27/2014	13:32	X	X	X	X	X	X	X	X
6908270CRDL	6908270CRDL	1	06/27/2014	13:34	X	X	X	X	X	X	X	X

Sample Name: CAL0 Acquired: 6/27/2014 8:15:09 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	**.0000**	**.0013**	**-.0006**	**.0002**	**.0034**	**.0000**
Stddev	.0001	.0000	.0001	.0000	.0002	.0000
%RSD	321.1	.4643	15.79	24.90	5.961	420.7
#1	-.0000	.0013	-.0006	.0001	.0035	-.0000
#2	.0001	.0013	-.0005	.0002	.0032	.0000

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	**.0030**	**.0005**	**.0001**	**-.0000**	**.0005**	**.0001**
Stddev	.0000	.0001	.0000	.0000	.0001	.0000
%RSD	.0619	13.05	44.31	77.62	29.10	38.11
#1	.0030	.0005	.0001	-.0000	.0004	.0001
#2	.0030	.0006	.0001	-.0001	.0006	.0002

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	**-.0004**	**.0001**	**.0013**	**.0006**	**.0001**	**-.0000**
Stddev	.0001	.0001	.0001	.0000	.0001	.0001
%RSD	24.23	144.0	7.775	1.356	54.72	1267.
#1	-.0005	.0001	.0013	.0006	.0001	.0001
#2	-.0003	-.0000	.0014	.0006	.0002	-.0001

Sample Name: CAL0 Acquired: 6/27/2014 8:15:09 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	.0070	.0007	.0008	-.0013
Stddev	.0001	.0000	.0002	.0000	.0002	.0001
%RSD	34.44	7.143	2.535	2.048	20.46	4.941
#1	.0002	.0000	.0069	.0007	.0009	-.0014
#2	.0001	.0000	.0071	.0007	.0007	-.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	-.0011	.0030	.0004	-.0003	-.0021
Stddev	.0001	.0000	.0002	.0002	.0002
%RSD	6.976	1.236	57.66	84.81	7.272
#1	-.0010	.0030	.0002	-.0001	-.0020
#2	-.0011	.0031	.0005	-.0004	-.0022

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	6596.9	50097.	11653.
Stddev	11.8	40.	63.
%RSD	.17841	.07936	.54361
#1	6588.6	50125.	11608.
#2	6605.2	50069.	11698.

Sample Name: CAL1 Acquired: 6/27/2014 8:17:24 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	1.526	3.736	1.278	1.215	.2502	1.744
Stddev	.002	.011	.000	.004	.0005	.007
%RSD	.1474	.3019	.0245	.2880	.1836	.3854
#1	1.524	3.744	1.279	1.218	.2505	1.749
#2	1.528	3.728	1.278	1.213	.2499	1.739

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	6625.2	50515.	11559.
Stddev	10.6	18.	.
%RSD	.16062	.03603	.00409
#1	6617.6	50528.	11559.
#2	6632.7	50502.	11560.

Sample Name: CAL2 Acquired: 6/27/2014 8:19:35 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	2.996	.6477	.0641	.5051	.0727	4.597
Stddev	.011	.0019	.0006	.0004	.0004	.023
%RSD	.3701	.2946	.8734	.0866	.5337	.4972
#1	2.988	.6490	.0637	.5054	.0730	4.580
#2	3.004	.6463	.0645	.5048	.0724	4.613

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	6664.8	50430.	11680.
Stddev	4.9	73.	12.
%RSD	.07342	.14471	.10629
#1	6661.4	50378.	11689.
#2	6668.3	50482.	11671.

Sample Name: CAL3 Acquired: 6/27/2014 8:21:47 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	.6301	.9298	.2626
Stddev	.0005	.0083	.0010
%RSD	.0815	.8922	.3969
#1	.6304	.9357	.2618
#2	.6297	.9239	.2633

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6715.9	51039.
Stddev	12.0	62.
%RSD	.17921	.12239
#1	6707.4	50995.
#2	6724.4	51083.

Sample Name: CAL4 Acquired: 6/27/2014 8:24:00 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	.2136	2.329	.0254	.7073	.3700	1.060
Stddev	.0009	.004	.0000	.0002	.0005	.000
%RSD	.3979	.1807	.0901	.0249	.1421	.0334
#1	.2130	2.326	.0254	.7074	.3704	1.060
#2	.2142	2.331	.0255	.7072	.3696	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	6650.6	50452.	11708.
Stddev	2.8	3.	39.
%RSD	.04254	.00620	.33393
#1	6648.6	50450.	11680.
#2	6652.6	50454.	11735.

Sample Name: CAL5 Acquired: 6/27/2014 8:26:12 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	.1039	.2183	.3959	.3526
Stddev	.0003	.0007	.0010	.0003
%RSD	.2430	.3265	.2481	.0767
#1	.1041	.2178	.3966	.3528
#2	.1038	.2188	.3952	.3524

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6767.3	50995.
Stddev	6.9	30.
%RSD	.10161	.05880
#1	6762.4	51016.
#2	6772.2	50974.

Sample Name: CAL6 Acquired: 6/27/2014 8:28:25 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	1.342	3.844	.7327
Stddev	.003	.004	.0010
%RSD	.2100	.1028	.1354
#1	1.344	3.841	.7334
#2	1.340	3.847	.7320

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	6729.4	50795.
Stddev	1.8	73.
%RSD	.02607	.14347
#1	6730.6	50846.
#2	6728.1	50743.

Sample Name: CAL7 Acquired: 6/27/2014 8:30:36 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	.1315
Stddev	.0002
%RSD	.1188
#1	.1316
#2	.1314
Int. Std.	Y_3710
Line	371.030 { 91}
Units	Cts/S
Avg	11491.
Stddev	8.
%RSD	.06881
#1	11486.
#2	11497.

Sample Name: ICV Acquired: 6/27/2014 8:32:53 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	**485.2**	**9924.**	**1008.**	**1024.**	**989.7**	**971.0**
Stddev	.1	32.	4.	4.	.7	1.6
%RSD	.0283	.3257	.3700	.4115	.0714	.1620
#1	485.3	9947.	1011.	1027.	990.2	969.9
#2	485.1	9901.	1005.	1021.	989.2	972.1
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	**9998.**	**973.2**	**978.0**	**1001.**	**976.1**	**10070.**
Stddev	41.	3.3	2.7	2.	1.0	55.
%RSD	.4133	.3402	.2755	.2380	.1014	.5436
#1	10030.	975.5	980.0	999.6	976.8	10110.
#2	9969.	970.8	976.1	1003.	975.4	10040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 6/27/2014 8:32:53 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	**9961.**	**10190.**	**995.8**	**1010.**	**983.5**	**974.6**
Stddev	15.	40.	2.0	7.	5.6	3.5
%RSD	.1546	.3914	.2008	.6793	.5668	.3585
#1	9950.	10220.	997.2	1015.	987.4	977.1
#2	9971.	10160.	994.4	1005.	979.5	972.2
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	**1018.**	**985.4**	**4663.**	**1011.**	**1017.**	**995.8**
Stddev	8.	5.4	5.	6.	3.	7.3
%RSD	.7504	.5443	.1170	.6395	.2510	.7285
#1	1023.	989.2	4667.	1016.	1019.	1001.
#2	1013.	981.6	4659.	1007.	1015.	990.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 6/27/2014 8:32:53 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	**1016.**	**958.4**	**9918.**	**977.2**	**1014.**
Stddev	4.	4.5	16.	2.1	3.
%RSD	.4036	.4649	.1577	.2169	.2534
#1	1019.	961.6	9907.	978.7	1016.
#2	1014.	955.3	9929.	975.7	1012.
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	**6698.6**	**50153.**	**11616.**
Stddev	30.3	230.	3.
%RSD	.45160	.45870	.02795
#1	6677.2	49991.	11614.
#2	6720.0	50316.	11618.

Sample Name: ICB Acquired: 6/27/2014 8:35:26 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	.2549	.7185	.4544	.9417	1.992	.0094
Stddev	2.586	2.092	.2224	.8629	.009	.0919
%RSD	1015.	291.2	48.94	91.63	.4759	979.2
#1	-1.573	-.7607	.6117	.3315	1.999	.0744
#2	2.083	2.198	.2972	1.552	1.986	-.0556
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	-36.28	.0096	.2320	4.417	2.449	-6.881
Stddev	.49	.0184	.3229	1.828	4.028	4.403
%RSD	1.339	190.5	139.2	41.38	164.5	63.98
#1	-35.94	-.0034	.0037	3.125	5.297	-9.994
#2	-36.62	.0226	.4603	5.710	-.3992	-3.768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/27/2014 8:35:26 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	**6.213**	**-4.730**	**-1.639**	**.5857**	**-.0439**	**-2.415**
Stddev	1.621	4.588	.025	.1268	.1480	.139
%RSD	26.09	97.00	1.555	21.64	336.7	5.746
#1	7.359	-7.973	-1.621	.4961	-.1486	-2.317
#2	5.067	-1.486	-1.657	.6754	.0607	-2.514
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	**2.516**	**-.4110**	**-8.142**	**-1.819**	**.2119**	**.8094**
Stddev	.075	2.107	6.925	.044	.2669	1.447
%RSD	2.973	512.5	85.06	2.446	125.9	178.8
#1	2.569	1.079	-13.04	-1.850	.0232	1.833
#2	2.464	-1.901	-3.245	-1.787	.4006	-.2141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 6/27/2014 8:35:26 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	.9510	-3.820	-10.17	-.0442	-.1454
Stddev	.3393	.044	.43	.1789	.3068
%RSD	35.67	1.161	4.240	404.5	211.0
#1	1.191	-3.788	-9.863	.0823	-.3624
#2	.7112	-3.851	-10.47	-.1708	.0715
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	6722.5	50988.	11747.
Stddev	10.2	845.	70.
%RSD	.15103	1.6565	.59625
#1	6715.4	51585.	11698.
#2	6729.7	50391.	11797.

Sample Name: CRDL Acquired: 6/27/2014 8:37:42 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	**10.08**	**210.4**	**9.379**	**115.1**	**10.16**	**4.038**
Stddev	1.23	2.0	.493	.3	.06	.162
%RSD	12.26	.9670	5.252	.2537	.6222	4.013
#1	10.95	211.8	9.728	114.9	10.20	4.153
#2	9.205	208.9	9.031	115.3	10.11	3.923
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	**1088.**	**2.225**	**10.01**	**11.37**	**13.01**	**86.36**
Stddev	9.	.021	.11	3.91	3.51	8.13
%RSD	.8414	.9342	1.136	34.42	26.94	9.414
#1	1094.	2.210	9.927	8.599	15.49	80.61
#2	1081.	2.240	10.09	14.13	10.53	92.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 8:37:42 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	**1100.**	**1102.**	**9.146**	**10.02**	**9.557**	**8.381**
Stddev	2.	4.	.074	.30	.147	.456
%RSD	.1555	.3966	.8059	3.029	1.542	5.435
#1	1101.	1105.	9.198	9.802	9.453	8.703
#2	1099.	1099.	9.094	10.23	9.661	8.059
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	**7.306**	**9.427**	**188.5**	**8.008**	**10.11**	**12.36**
Stddev	.985	.162	2.3	.477	.05	.18
%RSD	13.48	1.719	1.236	5.958	.5289	1.433
#1	6.610	9.541	190.2	8.346	10.15	12.24
#2	8.002	9.312	186.9	7.671	10.07	12.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 8:37:42 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	11.04	16.93	1095.	10.06	1146.
Stddev	1.09	.03	5.	.09	.
%RSD	9.902	.1595	.4640	.8717	.0389
#1	11.81	16.91	1099.	9.999	1146.
#2	10.27	16.94	1092.	10.12	1147.
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	6700.6	50566.	11577.
Stddev	10.1	88.	28.
%RSD	.15031	.17313	.24162
#1	6693.5	50504.	11557.
#2	6707.7	50628.	11597.

Sample Name: ICSA Acquired: 6/27/2014 8:39:57 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	.3356	498300.	4.984	-5.371	.5341	-.0771
Stddev	2.358	235.	.171	.135	.0250	.0042
%RSD	702.5	.0472	3.437	2.508	4.686	5.448
#1	-1.332	498100.	5.105	-5.276	.5164	-.0741
#2	2.003	498400.	4.862	-5.466	.5518	-.0801
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	462000.	.6893	3.437	-3.312	9.384	195500.
Stddev	783.	.0834	.008	4.079	1.762	173.
%RSD	.1694	12.09	.2198	123.2	18.78	.0883
#1	462600.	.7482	3.443	-6.197	10.63	195400.
#2	461400.	.6303	3.432	-.4276	8.137	195600.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/27/2014 8:39:57 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	-226.7	545100.	6.843	-2.203	1.264	-3.560
Stddev	17.3	269.	.188	.062	.208	2.554
%RSD	7.625	.0493	2.740	2.803	16.44	71.74
#1	-239.0	545000.	6.710	-2.247	1.411	-1.754
#2	-214.5	545300.	6.975	-2.160	1.117	-5.367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	4.410	-11.69	35.72	-3.224	.1866	.9833
Stddev	.053	.88	5.08	.851	.0290	1.083
%RSD	1.200	7.515	14.21	26.41	15.56	110.2
#1	4.448	-11.07	32.13	-2.622	.1661	1.749
#2	4.373	-12.31	39.31	-3.826	.2071	.2174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 6/27/2014 8:39:57 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	**4.843**	**8.426**	**28.61**	**3.105**	**22.01**
Stddev	.247	.210	3.74	.059	1.03
%RSD	5.101	2.498	13.08	1.909	4.663
#1	4.668	8.574	31.26	3.063	21.28
#2	5.018	8.277	25.97	3.147	22.73
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	**5953.2**	**46590.**	**11046.**
Stddev	17.4	10.	.
%RSD	.29200	.02125	.00340
#1	5940.9	46597.	11046.
#2	5965.5	46583.	11047.

Sample Name: ICSAB Acquired: 6/27/2014 8:42:23 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	**256.6**	**500100.**	**527.1**	**549.4**	**507.5**	**478.1**
Stddev	3.9	359.	1.3	2.7	.6	1.3
%RSD	1.533	.0718	.2392	.4889	.1242	.2813
#1	253.8	500400.	528.0	551.3	507.0	479.0
#2	259.4	499800.	526.2	547.5	507.9	477.1
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	**463100.**	**523.6**	**487.8**	**485.1**	**504.5**	**196000.**
Stddev	45.	1.4	.9	8.0	2.8	7.
%RSD	.0097	.2619	.1852	1.656	.5461	.0038
#1	463100.	524.5	488.4	479.4	506.4	196100.
#2	463100.	522.6	487.2	490.8	502.5	196000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/27/2014 8:42:23 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	**-243.3**	**545800.**	**505.7**	**518.7**	**479.2**	**485.2**
Stddev	49.4	69.	.1	4.0	2.1	3.5
%RSD	20.31	.0126	.0248	.7641	.4484	.7167
#1	-208.3	545800.	505.6	521.5	480.7	487.7
#2	-278.2	545700.	505.8	515.9	477.7	482.8
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**536.7**	**484.3**	**2461.**	**517.0**	**536.5**	**505.9**
Stddev	2.9	4.6	6.	2.1	.5	3.7
%RSD	.5352	.9598	.2287	.4061	.0996	.7331
#1	538.8	487.6	2457.	518.4	536.9	508.5
#2	534.7	481.1	2465.	515.5	536.2	503.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 6/27/2014 8:42:23 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	**512.6**	**466.6**	**40.19**	**498.7**	**546.6**
Stddev	2.2	.4	9.81	.5	1.8
%RSD	.4212	.0798	24.42	.0914	.3217
#1	511.1	466.9	47.13	499.0	547.9
#2	514.2	466.3	33.25	498.3	545.4
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**5955.4**	**46364.**	**11070.**
Stddev	7.0	95.	21.
%RSD	.11835	.20520	.19050
#1	5950.4	46297.	11055.
#2	5960.4	46431.	11085.

Sample Name: CCV Acquired: 6/27/2014 9:08:03 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	**488.4**	**10070.**	**1022.**	**1035.**	**1003.**	**978.5**
Stddev	.2	18.	4.	4.	2.	4.1
%RSD	.0496	.1813	.4119	.3437	.2228	.4220
#1	488.6	10080.	1025.	1038.	1005.	975.6
#2	488.2	10050.	1019.	1032.	1001.	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	**10240.**	**985.0**	**992.2**	**1020.**	**995.9**	**10220.**
Stddev	23.	1.1	1.9	4.	.1	11.
%RSD	.2286	.1101	.1955	.3489	.0084	.1034
#1	10260.	984.2	990.8	1018.	995.8	10230.
#2	10220.	985.8	993.5	1023.	995.9	10220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 9:08:03 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	**10050.**	**10300.**	**1013.**	**1026.**	**997.6**	**992.2**
Stddev	53.	24.	3.	3.	1.0	2.2
%RSD	.5297	.2370	.2672	.2532	.1020	.2258
#1	10020.	10320.	1015.	1028.	996.9	990.6
#2	10090.	10280.	1011.	1024.	998.4	993.8
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	**1034.**	**996.3**	**4750.**	**1025.**	**1026.**	**1010.**
Stddev	1.	.9	14.	1.	.	2.
%RSD	.0695	.0942	.2868	.1211	.0458	.2169
#1	1033.	995.6	4740.	1024.	1026.	1009.
#2	1034.	997.0	4759.	1026.	1025.	1012.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 9:08:03 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	**1038.**	**970.8**	**10020.**	**991.2**	**1023.**
Stddev	1.	.2	11.	1.0	2.
%RSD	.0544	.0229	.1071	.1003	.2242
#1	1037.	971.0	10020.	991.9	1022.
#2	1038.	970.7	10010.	990.5	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	**6633.2**	**49656.**	**11467.**
Stddev	3.8	35.	56.
%RSD	.05729	.07051	.49174
#1	6630.5	49631.	11507.
#2	6635.9	49680.	11427.

Sample Name: CCB Acquired: 6/27/2014 9:10:06 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	.7186	6.238	.2746	.9785	2.295	.0726
Stddev	1.335	.375	2.074	.4478	.050	.1128
%RSD	185.8	6.012	755.4	45.77	2.157	155.3
#1	1.663	6.504	1.741	1.295	2.260	.1524
#2	-.2255	5.973	-1.192	.6618	2.330	-.0071
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	-33.80	.0666	.0324	4.303	-1.445	10.50
Stddev	.43	.0079	.1051	10.24	3.125	2.42
%RSD	1.281	11.88	324.0	237.9	216.2	23.07
#1	-33.49	.0610	.1067	11.54	.7646	8.787
#2	-34.10	.0722	-.0419	-2.935	-3.655	12.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 9:10:06 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	37.06	-3.395	-1.375	F 10.65	.1705	-1.804
Stddev	3.23	5.685	.108	1.53	.1397	.863
%RSD	8.719	167.4	7.835	14.42	81.97	47.86
#1	39.34	-7.415	-1.299	9.565	.2693	-2.414
#2	34.77	.6248	-1.452	11.74	.0717	-1.193
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	F 8.774	-.1513	-10.93	2.473	.6552	2.066
Stddev	2.608	1.912	1.84	.991	.4066	.394
%RSD	29.73	1264.	16.86	40.07	62.05	19.08
#1	6.930	-1.503	-9.626	1.772	.3677	1.787
#2	10.62	1.201	-12.23	3.174	.9428	2.345
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 9:10:06 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	1.272	-3.613	106.7	.2352	.1529
Stddev	.084	.064	4.0	.1558	1.288
%RSD	6.584	1.781	3.786	66.25	842.8
#1	1.331	-3.567	109.5	.3453	1.064
#2	1.213	-3.658	103.8	.1250	-.7582
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	6658.6	50066.	11416.
Stddev	7.4	26.	9.
%RSD	.11141	.05129	.07657
#1	6653.4	50048.	11409.
#2	6663.9	50085.	11422.

Sample Name: CCV Acquired: 6/27/2014 10:59:59 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	**471.6**	**9874.**	**1008.**	**1026.**	**979.5**	**948.2**
Stddev	.4	17.	3.	3.	2.7	3.8
%RSD	.0856	.1706	.2665	.2716	.2807	.4045
#1	471.9	9886.	1006.	1024.	977.6	945.5
#2	471.3	9862.	1010.	1028.	981.5	950.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9955.**	**973.6**	**982.1**	**965.6**	**958.0**	**10150.**
Stddev	4.	1.6	2.0	5.8	8.4	23.
%RSD	.0382	.1624	.2084	.6037	.8724	.2230
#1	9957.	974.7	983.5	961.5	952.1	10160.
#2	9952.	972.5	980.6	969.7	963.9	10130.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 10:59:59 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	**9810.**	**10110.**	**988.1**	**1025.**	**986.1**	**973.9**
Stddev	95.	14.	.4	4.	1.8	1.1
%RSD	.9710	.1403	.0401	.4366	.1832	.1117
#1	9743.	10100.	987.8	1028.	987.4	974.7
#2	9878.	10120.	988.3	1022.	984.9	973.1
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	**1031.**	**989.1**	**4611.**	**1013.**	**1020.**	**1004.**
Stddev	2.	2.3	14.	3.	1.	2.
%RSD	.1949	.2348	.3036	.2873	.0835	.1502
#1	1032.	990.8	4601.	1015.	1021.	1005.
#2	1029.	987.5	4621.	1011.	1020.	1003.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 10:59:59 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	**1017.**	**959.8**	**9754.**	**965.0**	**1020.**
Stddev	4.	.3	41.	2.3	3.
%RSD	.4315	.0347	.4214	.2388	.2630
#1	1020.	960.1	9725.	963.3	1022.
#2	1014.	959.6	9783.	966.6	1018.
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	**6657.7**	**50149.**	**11492.**
Stddev	9.9	108.	25.
%RSD	.14872	.21490	.21604
#1	6650.7	50073.	11509.
#2	6664.7	50225.	11474.

Sample Name: CCB Acquired: 6/27/2014 11:01:51 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	1.798	3.985	-.0201	2.850	2.184	.0604
Stddev	3.623	.087	1.118	.861	.137	.0191
%RSD	201.5	2.177	5573.	30.22	6.249	31.58
#1	4.360	3.923	-.8103	3.459	2.087	.0739
#2	-.7642	4.046	.7702	2.241	2.280	.0469
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	-34.70	.0032	.1166	3.917	1.866	18.06
Stddev	2.31	.0742	.0293	3.232	.419	11.11
%RSD	6.647	2332.	25.13	82.51	22.47	61.54
#1	-33.07	.0557	.1373	6.202	2.163	10.20
#2	-36.33	-.0493	.0959	1.632	1.570	25.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 11:01:51 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	**58.14**	**-6.450**	**-1.473**	F **10.04**	**-.0902**	**-2.061**
Stddev	2.00	2.071	.076	1.15	.1435	.852
%RSD	3.431	32.11	5.137	11.45	159.0	41.33
#1	56.73	-7.914	-1.527	9.227	-.1916	-2.663
#2	59.55	-4.986	-1.420	10.85	.0112	-1.459
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	F **8.066**	**.5140**	**-64.50**	**2.968**	**1.270**	**2.004**
Stddev	2.767	.0784	2.47	.752	.045	2.264
%RSD	34.30	15.26	3.833	25.34	3.529	113.0
#1	6.110	.4585	-62.75	2.436	1.301	3.604
#2	10.02	.5694	-66.25	3.499	1.238	.4031
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 11:01:51 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	**-.1288**	**-3.705**	**44.27**	**.0319**	**.1403**
Stddev	.3695	.136	1.59	.0399	.4146
%RSD	287.0	3.665	3.601	125.0	295.6
#1	.1325	-3.801	45.40	.0601	-.1529
#2	-.3900	-3.609	43.14	.0037	.4334
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	**6711.2**	**50484.**	**11455.**
Stddev	.7	245.	93.
%RSD	.01111	.48546	.81106
#1	6711.7	50311.	11389.
#2	6710.6	50658.	11520.

Sample Name: CRDL Acquired: 6/27/2014 11:03:58 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	**10.78**	**213.1**	**11.14**	**113.9**	**10.35**	**4.013**
Stddev	1.83	6.3	1.05	1.6	.14	.083
%RSD	16.95	2.980	9.389	1.396	1.386	2.068
#1	12.07	217.6	10.40	115.0	10.25	4.071
#2	9.486	208.6	11.88	112.8	10.46	3.954
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	**1093.**	**2.127**	**10.00**	**9.987**	**11.33**	**109.5**
Stddev	7.	.146	.07	.792	2.09	14.5
%RSD	.6497	6.848	.6739	7.935	18.46	13.26
#1	1088.	2.024	9.957	9.426	12.81	119.8
#2	1098.	2.230	10.05	10.55	9.855	99.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 11:03:58 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	**1115.**	**1103.**	**9.233**	**11.57**	**9.597**	**7.933**
Stddev	6.	1.	.085	.44	.559	.319
%RSD	.5651	.1077	.9152	3.841	5.827	4.016
#1	1110.	1102.	9.174	11.25	9.992	7.707
#2	1119.	1103.	9.293	11.88	9.201	8.158
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	**8.472**	**10.65**	**145.8**	**8.283**	**10.45**	**10.25**
Stddev	1.138	.36	2.3	.727	.24	.67
%RSD	13.44	3.352	1.562	8.778	2.296	6.556
#1	7.667	10.39	144.2	8.797	10.28	10.73
#2	9.277	10.90	147.4	7.769	10.62	9.776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 11:03:58 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	11.11	16.69	1122.	10.11	1148.
Stddev	.10	.09	6.	.08	2.
%RSD	.8891	.5649	.5335	.7672	.1615
#1	11.04	16.63	1118.	10.05	1149.
#2	11.17	16.76	1126.	10.16	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	6695.2	50226.	11412.
Stddev	2.9	8.	50.
%RSD	.04371	.01630	.43765
#1	6697.3	50231.	11447.
#2	6693.1	50220.	11376.

Sample Name: 1117278_15913 Acquired: 6/27/2014 11:22:28 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.7029	57.59	.4842	1.337	.2064	.0408
Stddev	2.081	3.97	1.547	.337	.0298	.0645
%RSD	296.1	6.894	319.5	25.16	14.43	158.1
#1	-2.175	54.78	-.6096	1.575	.1854	.0865
#2	.7688	60.39	1.578	1.099	.2275	-.0048
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	93.97	.1248	.0088	2.022	.9350	119.1
Stddev	.75	.0645	.0945	3.684	2.108	7.9
%RSD	.8025	51.70	1074.	182.2	225.4	6.591
#1	94.51	.1704	-.0580	-.5829	-.5553	113.6
#2	93.44	.0792	.0756	4.627	2.425	124.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117278_15913 Acquired: 6/27/2014 11:22:28 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62.33**	**47.70**	**.5220**	**-.0389**	**.0640**	**-.5388**
Stddev	4.72	2.21	.0275	.2479	.2901	1.100
%RSD	7.582	4.642	5.273	636.8	453.5	204.1
#1	58.99	46.14	.5415	-.2142	-.1412	-1.316
#2	65.67	49.27	.5026	.1364	.2691	.2388
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	**.0570**	**.3702**	**-43.10**	**26.91**	**2.284**	**.8964**
Stddev	.6005	1.559	.68	.43	.322	.3822
%RSD	1054.	421.0	1.568	1.596	14.11	42.64
#1	-.3676	1.472	-43.57	26.61	2.056	1.167
#2	.4816	-.7318	-42.62	27.21	2.512	.6261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117278_15913 Acquired: 6/27/2014 11:22:28 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.0258	1.361	73.12	.2909	32.03
Stddev	.4023	.183	9.58	.0239	.57
%RSD	1556.	13.42	13.10	8.208	1.775
#1	-.2586	1.232	79.90	.2740	31.62
#2	.3103	1.490	66.35	.3078	32.43
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	6625.1	50141.	11497.
Stddev	8.1	124.	85.
%RSD	.12183	.24770	.73532
#1	6619.4	50053.	11438.
#2	6630.8	50229.	11557.

Sample Name: 1117279_15913 Acquired: 6/27/2014 11:24:35 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	**479.1**	**10080.**	**1031.**	**1010.**	**1016.**	**994.9**
Stddev	2.0	26.	.	6.	4.	5.9
%RSD	.4129	.2596	.0440	.5931	.4304	.5890
#1	477.7	10090.	1030.	1014.	1013.	990.8
#2	480.5	10060.	1031.	1006.	1019.	999.1
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	**10180.**	**995.2**	**1015.**	**995.8**	**991.4**	**10330.**
Stddev	3.	.9	1.	13.7	12.4	86.
%RSD	.0291	.0898	.0520	1.379	1.249	.8331
#1	10190.	994.6	1015.	986.1	982.6	10390.
#2	10180.	995.8	1015.	1006.	1000.	10270.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117279_15913 Acquired: 6/27/2014 11:24:35 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	**10110.**	**10430.**	**1017.**	**1058.**	**1016.**	**1000.**
Stddev	69.	68.	2.	2.	.	2.
%RSD	.6775	.6533	.1505	.1740	.0026	.2212
#1	10060.	10480.	1018.	1060.	1016.	1002.
#2	10160.	10380.	1016.	1057.	1016.	998.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1055.**	**1002.**	**3182.**	**1058.**	**1048.**	**1031.**
Stddev	.	5.	9.	1.	4.	1.
%RSD	.0180	.5063	.2819	.1071	.3842	.0600
#1	1055.	998.1	3176.	1057.	1051.	1030.
#2	1055.	1005.	3188.	1059.	1045.	1031.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117279_15913 Acquired: 6/27/2014 11:24:35 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	**1047.**	**984.9**	**10020.**	**1001.**	**1077.**
Stddev	1.	2.2	37.	4.	2.
%RSD	.0677	.2277	.3719	.4166	.1762
#1	1047.	983.3	9994.	998.1	1078.
#2	1046.	986.5	10050.	1004.	1076.
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	**6562.6**	**49554.**	**11401.**
Stddev	19.6	61.	9.
%RSD	.29843	.12303	.07981
#1	6548.7	49597.	11407.
#2	6576.4	49511.	11395.

Sample Name: CCV Acquired: 6/27/2014 11:26:28 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	**470.8**	**9811.**	**1004.**	**1023.**	**977.4**	**949.0**
Stddev	2.2	20.	1.	.	.2	3.3
%RSD	.4575	.2034	.0576	.0406	.0218	.3521
#1	472.3	9825.	1003.	1023.	977.2	946.6
#2	469.3	9797.	1004.	1023.	977.5	951.4
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	**9943.**	**972.8**	**982.4**	**977.6**	**953.6**	**10020.**
Stddev	50.	.5	.9	4.7	.0	30.
%RSD	.5029	.0493	.0886	.4850	.0002	.3024
#1	9978.	973.2	983.0	974.3	953.6	10040.
#2	9907.	972.5	981.8	981.0	953.6	9996.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 11:26:28 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	**9836.**	**10140.**	**986.9**	**1024.**	**983.2**	**967.5**
Stddev	20.	.	1.8	4.	.3	1.3
%RSD	.2026	.0025	.1840	.3677	.0256	.1372
#1	9850.	10140.	988.2	1027.	983.4	966.5
#2	9822.	10140.	985.6	1021.	983.0	968.4
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	**1029.**	**985.3**	**4627.**	**1012.**	**1015.**	**999.8**
Stddev	2.	.1	13.	.	1.	1.9
%RSD	.1755	.0065	.2773	.0182	.0641	.1913
#1	1028.	985.4	4636.	1012.	1016.	998.5
#2	1031.	985.3	4618.	1012.	1015.	1001.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 11:26:28 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	1024.	963.3	9686.	962.6	1020.
Stddev	5.	.1	44.	.1	.
%RSD	.4958	.0068	.4587	.0054	.0287
#1	1028.	963.2	9655.	962.6	1020.
#2	1021.	963.3	9718.	962.5	1021.
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	6659.8	50079.	11489.
Stddev	8.4	36.	13.
%RSD	.12640	.07233	.10967
#1	6653.9	50053.	11498.
#2	6665.8	50105.	11480.

Sample Name: CCB Acquired: 6/27/2014 11:28:21 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	**3.173**	**-1.760**	**.4750**	**1.604**	**2.302**	**-.0214**
Stddev	1.430	1.762	.0870	1.535	.151	.0363
%RSD	45.07	100.1	18.31	95.71	6.550	169.4
#1	4.184	-.5144	.4135	.5183	2.408	.0042
#2	2.162	-3.006	.5365	2.689	2.195	-.0471
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	**-38.03**	**.0300**	**-.0439**	**2.208**	**-2.314**	**20.30**
Stddev	1.70	.0285	.1890	.134	1.238	10.06
%RSD	4.481	95.14	430.5	6.072	53.51	49.59
#1	-36.82	.0501	.0898	2.303	-1.439	27.41
#2	-39.23	.0098	-.1776	2.113	-3.190	13.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 11:28:21 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	35.80	-3.967	-1.572	9.916	.2322	-.6571
Stddev	11.06	1.112	.021	1.515	.1640	.5706
%RSD	30.88	28.04	1.354	15.28	70.62	86.84
#1	27.99	-3.180	-1.588	8.844	.1162	-1.061
#2	43.62	-4.754	-1.557	10.99	.3481	-.2536
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	F 8.324	.1278	-67.85	1.888	.6531	.9361
Stddev	1.716	.2690	.46	.812	.1645	1.943
%RSD	20.62	210.5	.6739	43.00	25.19	207.5
#1	7.111	-.0624	-67.53	1.314	.5368	-.4377
#2	9.538	.3180	-68.17	2.463	.7694	2.310
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 11:28:21 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	.7406	-4.209	34.28	.0412	.3665
Stddev	.0979	.055	.49	.0554	.4084
%RSD	13.22	1.313	1.432	134.4	111.4
#1	.8098	-4.249	34.63	.0804	.0777
#2	.6714	-4.170	33.94	.0020	.6553
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	6683.2	50347.	11422.
Stddev	6.4	65.	49.
%RSD	.09589	.12872	.43081
#1	6678.6	50301.	11387.
#2	6687.7	50393.	11457.

Sample Name: 5099765001_15913 Acquired: 6/27/2014 11:32:32 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	-.2068	120200.	36.96	86.63	1162.	6.853
Stddev	.6298	49.	2.11	1.20	1.	.099
%RSD	304.6	.0411	5.716	1.388	.0683	1.445
#1	.2386	120200.	38.46	85.78	1163.	6.783
#2	-.6522	120200.	35.47	87.48	1161.	6.923
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	18460.	.9314	99.41	138.3	71.06	134800.
Stddev	8.	.0188	.11	3.4	2.93	75.
%RSD	.0444	2.021	.1094	2.445	4.123	.0556
#1	18460.	.9447	99.49	140.7	68.98	134900.
#2	18470.	.9181	99.34	135.9	73.13	134700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765001_15913 Acquired: 6/27/2014 11:32:32 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	**8759.**	**21160.**	**6430.**	**8.286**	**118.4**	**103.8**
Stddev	39.	19.	2.	.137	.1	.1
%RSD	.4431	.0877	.0316	1.647	.0462	.1181
#1	8787.	21180.	6428.	8.190	118.3	103.7
#2	8732.	21150.	6431.	8.383	118.4	103.9
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	**1.016**	**-1.757**	**12110.**	**28.24**	**1993.**	**43.31**
Stddev	1.082	1.333	23.	.10	7.	.46
%RSD	106.4	75.86	.1920	.3681	.3268	1.070
#1	1.781	-2.700	12120.	28.17	1998.	43.64
#2	.2513	-.8147	12090.	28.31	1988.	42.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765001_15913 Acquired: 6/27/2014 11:32:32 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	**237.3**	**402.8**	**2072.**	**118.3**	**6730.**
Stddev	.5	.5	1.	.1	15.
%RSD	.1965	.1246	.0258	.0437	.2174
#1	237.7	403.2	2072.	118.4	6741.
#2	237.0	402.4	2072.	118.3	6720.
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	**6657.6**	**50166.**	**11688.**
Stddev	8.9	7.	61.
%RSD	.13338	.01384	.52573
#1	6651.4	50161.	11644.
#2	6663.9	50171.	11731.

Sample Name: 1117280_15913 Acquired: 6/27/2014 11:34:33 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	**462.5**	**171700.**	**1054.**	**1075.**	**2344.**	**971.0**
Stddev	.1	235.	4.	3.	1.	.8
%RSD	.0269	.1371	.3537	.3240	.0470	.0845
#1	462.4	171500.	1051.	1073.	2343.	970.4
#2	462.6	171800.	1057.	1078.	2344.	971.6
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	**29590.**	**1001.**	**1093.**	**1154.**	**1041.**	**154000.**
Stddev	202.	.	1.	6.	6.	453.
%RSD	.6826	.0017	.0729	.5077	.5453	.2943
#1	29450.	1001.	1093.	1150.	1037.	153700.
#2	29730.	1001.	1094.	1158.	1045.	154300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117280_15913 Acquired: 6/27/2014 11:34:33 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	**23620.**	**37150.**	**7707.**	**992.9**	**1132.**	**1088.**
Stddev	1.	89.	28.	2.4	1.	3.
%RSD	.0031	.2401	.3685	.2429	.0589	.2680
#1	23620.	37090.	7687.	994.6	1132.	1086.
#2	23620.	37220.	7727.	991.2	1133.	1090.
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	**425.5**	**1017.**	**14860.**	**958.1**	**3792.**	**1060.**
Stddev	3.3	3.	87.	1.5	6.	1.
%RSD	.7867	.3073	.5832	.1588	.1460	.0474
#1	423.1	1015.	14800.	957.0	3789.	1061.
#2	427.9	1020.	14920.	959.2	3796.	1060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117280_15913 Acquired: 6/27/2014 11:34:33 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	**1319.**	**1417.**	**11950.**	**1136.**	**7085.**
Stddev	3.	1.	26.	.	1.
%RSD	.2649	.0432	.2191	.0357	.0195
#1	1316.	1417.	11930.	1136.	7084.
#2	1321.	1416.	11970.	1137.	7086.
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	**6582.6**	**49685.**	**11619.**
Stddev	6.7	134.	27.
%RSD	.10187	.27022	.23048
#1	6577.9	49780.	11600.
#2	6587.4	49591.	11638.

Sample Name: 1117281_15913 Acquired: 6/27/2014 11:36:26 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	**462.7**	**178500.**	**1064.**	**1082.**	**2396.**	**974.0**
Stddev	2.9	205.	4.	3.	4.	2.9
%RSD	.6230	.1149	.3382	.2499	.1750	.2978
#1	460.7	178700.	1062.	1084.	2393.	971.9
#2	464.8	178400.	1067.	1080.	2399.	976.0
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	**29840.**	**1006.**	**1099.**	**1162.**	**1049.**	**167500.**
Stddev	16.	1.	1.	14.	1.	311.
%RSD	.0550	.1145	.1250	1.206	.0736	.1855
#1	29850.	1007.	1098.	1172.	1048.	167700.
#2	29830.	1005.	1100.	1152.	1050.	167200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117281_15913 Acquired: 6/27/2014 11:36:26 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	**24530.**	**39020.**	**8392.**	**1006.**	**1146.**	**1095.**
Stddev	11.	24.	8.	1.	.	1.
%RSD	.0448	.0626	.0987	.1458	.0265	.1278
#1	24530.	39040.	8398.	1007.	1146.	1094.
#2	24540.	39010.	8386.	1005.	1147.	1096.
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	**426.5**	**1024.**	**14960.**	**966.1**	**3952.**	**1065.**
Stddev	1.3	.	16.	.1	6.	3.
%RSD	.3015	.0220	.1097	.0128	.1419	.2801
#1	427.4	1023.	14970.	966.0	3956.	1068.
#2	425.5	1024.	14950.	966.2	3948.	1063.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1117281_15913 Acquired: 6/27/2014 11:36:26 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	**1328.**	**1454.**	**12080.**	**1144.**	**7214.**
Stddev	2.	1.	69.	2.	11.
%RSD	.1331	.0836	.5745	.1680	.1456
#1	1330.	1455.	12030.	1142.	7207.
#2	1327.	1453.	12130.	1145.	7222.
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	**6570.4**	**49668.**	**11633.**
Stddev	3.0	5.	7.
%RSD	.04625	.00923	.05672
#1	6568.3	49665.	11628.
#2	6572.6	49671.	11637.

Sample Name: 1118847_15913 Acquired: 6/27/2014 11:38:18 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	**446.2**	**129300.**	**1043.**	**1117.**	**2111.**	**948.0**
Stddev	1.7	24.	.	.	4.	.7
%RSD	.3783	.0187	.0064	.0259	.1708	.0765
#1	447.4	129300.	1043.	1117.	2114.	948.5
#2	445.0	129300.	1043.	1117.	2108.	947.4
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**27690.**	**972.7**	**1060.**	**1079.**	**1012.**	**141500.**
Stddev	5.	.8	1.	3.	.	472.
%RSD	.0186	.0818	.0937	.2859	.0327	.3338
#1	27700.	973.3	1060.	1081.	1012.	141200.
#2	27690.	972.2	1059.	1077.	1012.	141900.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1118847_15913 Acquired: 6/27/2014 11:38:18 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	**18240.**	**30860.**	**7227.**	**1016.**	**1078.**	**1051.**
Stddev	77.	60.	10.	3.	2.	3.
%RSD	.4195	.1928	.1384	.2888	.1409	.2673
#1	18300.	30820.	7220.	1018.	1079.	1053.
#2	18190.	30900.	7234.	1014.	1077.	1049.
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	**1022.**	**1035.**	**16020.**	**1014.**	**2954.**	**1026.**
Stddev	6.	2.	2.	1.	7.	4.
%RSD	.5735	.1721	.0123	.1053	.2265	.3813
#1	1027.	1036.	16020.	1014.	2949.	1029.
#2	1018.	1033.	16020.	1013.	2958.	1023.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1118847_15913 Acquired: 6/27/2014 11:38:18 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	1235.	1320.	11550.	1068.	7631.
Stddev	2.	2.	24.	2.	5.
%RSD	.1577	.1447	.2052	.1525	.0711
#1	1237.	1318.	11570.	1070.	7634.
#2	1234.	1321.	11540.	1067.	7627.
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	6608.5	50110.	11622.
Stddev	11.4	7.	32.
%RSD	.17288	.01298	.27822
#1	6600.4	50105.	11599.
#2	6616.6	50114.	11645.

Sample Name: 1118848_15913 Acquired: 6/27/2014 11:40:10 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	**1.862**	**24130.**	**9.281**	**20.77**	**240.3**	**1.461**
Stddev	2.594	19.	.825	.73	.9	.066
%RSD	139.3	.0775	8.887	3.524	.3553	4.500
#1	.0284	24120.	8.698	20.25	241.0	1.414
#2	3.696	24150.	9.864	21.28	239.7	1.507
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	**3824.**	**.3018**	**20.12**	**28.73**	**15.78**	**27720.**
Stddev	10.	.0440	.07	7.23	3.98	89.
%RSD	.2605	14.57	.3301	25.16	25.21	.3224
#1	3817.	.3329	20.16	23.62	18.59	27650.
#2	3831.	.2707	20.07	33.84	12.97	27780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1118848_15913 Acquired: 6/27/2014 11:40:10 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	**1862.**	**4303.**	**1330.**	**11.25**	**24.54**	**21.37**
Stddev	10.	17.	3.	1.20	.11	.06
%RSD	.5521	.3913	.2230	10.68	.4656	.2641
#1	1855.	4291.	1328.	10.40	24.46	21.41
#2	1869.	4315.	1332.	12.10	24.62	21.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.25**	**.4333**	**2457.**	**8.440**	**411.3**	**9.626**
Stddev	1.70	1.761	34.	.021	3.9	.218
%RSD	16.63	406.3	1.383	.2434	.9514	2.261
#1	9.041	1.678	2433.	8.425	414.1	9.472
#2	11.45	-.8117	2481.	8.454	408.5	9.779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 1118848_15913 Acquired: 6/27/2014 11:40:10 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	**47.45**	**80.70**	**476.0**	**24.41**	**1362.**
Stddev	.32	.30	5.7	.02	1.
%RSD	.6658	.3662	1.202	.0828	.0475
#1	47.67	80.91	480.0	24.40	1362.
#2	47.22	80.49	471.9	24.43	1362.
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	**6548.5**	**49172.**	**11266.**
Stddev	4.9	98.	45.
%RSD	.07478	.19885	.40223
#1	6545.0	49241.	11234.
#2	6552.0	49103.	11298.

Sample Name: 5099765002_15913 Acquired: 6/27/2014 11:42:12 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	-.7905	22340.	26.85	30.77	72.17	.8693
Stddev	1.277	1.	.81	1.22	.29	.2005
%RSD	161.6	.0032	3.034	3.966	.4028	23.06
#1	-1.694	22340.	27.43	31.63	71.97	.7275
#2	.1127	22340.	26.27	29.90	72.38	1.011
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 564100.	1.031	25.57	50.55	54.55	54480.
Stddev	3532.	.156	.11	1.75	2.53	97.
%RSD	.6261	15.11	.4120	3.462	4.641	.1775
#1	561600.	1.142	25.64	49.31	52.76	54550.
#2	566600.	.9211	25.50	51.79	56.34	54420.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765002_15913 Acquired: 6/27/2014 11:42:12 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	**3013.**	**167300.**	**1925.**	**4.162**	**57.40**	**41.61**
Stddev	2.	220.	3.	.205	.06	.97
%RSD	.0659	.1318	.1485	4.931	.0990	2.327
#1	3011.	167400.	1927.	4.307	57.35	42.30
#2	3014.	167100.	1923.	4.017	57.44	40.93
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	**1.852**	**-.7179**	**2897.**	**31.44**	**1402.**	**32.69**
Stddev	1.682	2.498	24.	1.26	4.	1.38
%RSD	90.85	348.0	.8181	3.996	.2822	4.228
#1	3.041	1.049	2914.	30.55	1405.	33.66
#2	.6622	-2.484	2880.	32.32	1400.	31.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765002_15913 Acquired: 6/27/2014 11:42:12 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	**88.86**	**161.1**	**1158.**	**320.6**	**1649.**
Stddev	.28	.8	2.	.7	6.
%RSD	.3152	.5222	.1689	.2096	.3580
#1	89.06	161.7	1160.	321.1	1654.
#2	88.66	160.5	1157.	320.1	1645.
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	**6064.8**	**47196.**	**10936.**
Stddev	1.4	47.	16.
%RSD	.02331	.09891	.14671
#1	6065.8	47229.	10947.
#2	6063.8	47163.	10925.

Sample Name: 5099765003_15913 Acquired: 6/27/2014 11:44:18 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	.4292	178300.	80.57	43.50	479.5	4.571
Stddev	1.589	108.	.44	.84	.5	.053
%RSD	370.2	.0607	.5457	1.939	.1040	1.169
#1	1.553	178300.	80.89	42.90	479.2	4.533
#2	-.6943	178400.	80.26	44.10	479.9	4.608
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	12060.	.7263	54.50	183.2	133.9	199700.
Stddev	4.	.2275	.59	5.0	1.4	236.
%RSD	.0335	31.32	1.087	2.724	1.030	.1183
#1	12060.	.5655	54.92	186.7	132.9	199500.
#2	12070.	.8872	54.08	179.7	134.8	199800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765003_15913 Acquired: 6/27/2014 11:44:18 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	**10370.**	**28240.**	**3112.**	**6.111**	**183.1**	**114.7**
Stddev	7.	3.	4.	.289	.9	1.3
%RSD	.0646	.0096	.1150	4.723	.4657	1.125
#1	10380.	28240.	3109.	5.907	183.7	113.8
#2	10370.	28240.	3114.	6.316	182.5	115.6
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	**2.115**	**-6.012**	**7021.**	**33.00**	**3150.**	**62.77**
Stddev	1.904	.147	14.	.34	.	.10
%RSD	90.04	2.444	.2016	1.027	.0105	.1560
#1	.7684	-5.908	7011.	32.76	3150.	62.84
#2	3.462	-6.116	7031.	33.24	3150.	62.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765003_15913 Acquired: 6/27/2014 11:44:18 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	**308.8**	**612.3**	**2317.**	**79.93**	**4113.**
Stddev	.5	.9	1.	.06	2.
%RSD	.1479	.1551	.0501	.0752	.0427
#1	308.4	611.6	2317.	79.97	4114.
#2	309.1	612.9	2316.	79.88	4112.
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	**6726.9**	**50663.**	**11804.**
Stddev	1.0	42.	35.
%RSD	.01476	.08220	.30012
#1	6726.2	50634.	11779.
#2	6727.6	50692.	11829.

Sample Name: 5099765004_15913 Acquired: 6/27/2014 11:46:18 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	-.0709	70140.	72.09	93.54	278.8	2.705
Stddev	.1300	149.	.98	3.15	.3	.010
%RSD	183.2	.2128	1.359	3.370	.0966	.3731
#1	.0210	70240.	71.40	91.31	278.6	2.698
#2	-.1628	70030.	72.78	95.76	279.0	2.712
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 1065000.	1.925	68.08	153.1	174.8	172800.
Stddev	647.	.048	.25	6.9	3.8	285.
%RSD	.0607	2.501	.3732	4.489	2.190	.1648
#1	1065000.	1.959	67.90	148.3	177.5	173000.
#2	1066000.	1.891	68.26	158.0	172.1	172600.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765004_15913 Acquired: 6/27/2014 11:46:18 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	**11550.**	F **689100.**	**11720.**	**7.076**	**201.2**	**158.8**
Stddev	63.	687.	18.	.100	.2	3.3
%RSD	.5452	.0997	.1575	1.419	.1025	2.056
#1	11600.	688600.	11730.	7.147	201.3	161.1
#2	11510.	689600.	11710.	7.005	201.0	156.5
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500000.				
Low Limit		-1000.				

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.529**	**-6.043**	**5720.**	**26.18**	**1518.**	**36.35**
Stddev	.342	3.234	69.	.40	4.	2.74
%RSD	22.37	53.51	1.211	1.524	.2470	7.533
#1	1.287	-3.757	5769.	25.90	1520.	38.29
#2	1.771	-8.330	5671.	26.46	1515.	34.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765004_15913 Acquired: 6/27/2014 11:46:18 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	**168.5**	**515.9**	**2755.**	**515.4**	**4573.**
Stddev	.1	.0	1.	.1	4.
%RSD	.0739	.0011	.0295	.0161	.0769
#1	168.6	515.9	2756.	515.4	4575.
#2	168.4	515.9	2754.	515.3	4570.
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	**5889.2**	**46907.**	**10930.**
Stddev	.5	172.	27.
%RSD	.00781	.36758	.24521
#1	5888.9	46785.	10911.
#2	5889.5	47029.	10949.

Sample Name: 5099765005_15913 Acquired: 6/27/2014 11:48:34 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	**-4.191**	**85400.**	**37.51**	**26.18**	**258.4**	**1.459**
Stddev	.086	43.	.25	.48	.2	.018
%RSD	2.046	.0504	.6773	1.844	.0856	1.228
#1	-4.131	85430.	37.33	25.84	258.2	1.472
#2	-4.252	85370.	37.69	26.52	258.6	1.446
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	**20170.**	**.7891**	**46.99**	**143.0**	**75.54**	**137300.**
Stddev	25.	.0875	.12	3.5	3.42	31.
%RSD	.1259	11.08	.2628	2.478	4.531	.0224
#1	20150.	.7273	46.90	145.5	77.96	137400.
#2	20190.	.8509	47.08	140.5	73.12	137300.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765005_15913 Acquired: 6/27/2014 11:48:34 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	**6794.**	**26300.**	**921.0**	**3.174**	**103.7**	**118.1**
Stddev	5.	41.	.8	.067	.6	1.0
%RSD	.0685	.1557	.0881	2.123	.5948	.8360
#1	6791.	26330.	920.4	3.221	103.2	118.8
#2	6798.	26270.	921.5	3.126	104.1	117.4
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	**3.199**	**-3.905**	**7846.**	**29.49**	**6761.**	**129.1**
Stddev	1.922	2.692	31.	.45	3.	.6
%RSD	60.09	68.93	.3956	1.523	.0428	.4696
#1	4.558	-5.809	7868.	29.17	6763.	129.5
#2	1.840	-2.002	7825.	29.80	6759.	128.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765005_15913 Acquired: 6/27/2014 11:48:34 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	343.1	284.9	1203.	92.00	1664.
Stddev	1.6	.8	8.	.59	1.
%RSD	.4529	.2906	.6267	.6433	.0718
#1	342.0	285.5	1209.	92.42	1663.
#2	344.2	284.3	1198.	91.58	1665.
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	6579.9	49581.	11511.
Stddev	3.2	130.	31.
%RSD	.04910	.26181	.26840
#1	6582.2	49672.	11489.
#2	6577.7	49489.	11533.

Sample Name: CCV Acquired: 6/27/2014 11:50:35 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	**473.5**	**9917.**	**1013.**	**1029.**	**978.6**	**944.1**
Stddev	4.3	7.	6.	4.	1.3	3.9
%RSD	.9130	.0693	.6343	.3870	.1304	.4082
#1	470.5	9922.	1017.	1026.	977.7	941.4
#2	476.6	9912.	1008.	1032.	979.5	946.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9983.**	**982.6**	**988.8**	**963.0**	**952.1**	**10190.**
Stddev	9.	1.8	2.5	15.8	5.6	15.
%RSD	.0932	.1799	.2546	1.639	.5897	.1514
#1	9977.	983.9	990.6	951.8	948.1	10210.
#2	9990.	981.4	987.1	974.2	956.0	10180.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 11:50:35 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	**9835.**	**10210.**	**992.7**	**1025.**	**993.3**	**976.7**
Stddev	27.	31.	.8	5.	1.8	1.6
%RSD	.2794	.3061	.0786	.5148	.1801	.1597
#1	9815.	10230.	992.2	1029.	994.6	975.6
#2	9854.	10190.	993.3	1021.	992.1	977.8
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	**1037.**	**996.8**	**4659.**	**1020.**	**1029.**	**1010.**
Stddev	3.	4.4	19.	3.	2.	1.
%RSD	.3256	.4369	.3971	.3253	.1901	.0794
#1	1039.	999.9	4646.	1023.	1028.	1011.
#2	1035.	993.7	4672.	1018.	1031.	1010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 11:50:35 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	**1026.**	**969.7**	**9696.**	**962.8**	**1028.**
Stddev	3.	.9	15.	2.7	1.
%RSD	.2534	.0962	.1564	.2789	.0861
#1	1028.	970.4	9685.	960.9	1028.
#2	1024.	969.0	9707.	964.7	1027.
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	**6586.4**	**49753.**	**11451.**
Stddev	18.0	18.	75.
%RSD	.27315	.03594	.65863
#1	6573.7	49766.	11398.
#2	6599.1	49741.	11504.

Sample Name: CCB Acquired: 6/27/2014 11:52:28 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	.7600	2.809	-.1586	1.254	2.251	.1594
Stddev	1.640	4.890	3.557	.253	.167	.0409
%RSD	215.8	174.1	2242.	20.17	7.431	25.67
#1	-.3998	6.267	-2.674	1.433	2.132	.1883
#2	1.920	-.6488	2.356	1.075	2.369	.1305
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	-39.53	.2444	-.0053	4.658	2.748	17.66
Stddev	2.44	.0659	.0054	.480	2.262	6.36
%RSD	6.169	26.98	101.8	10.31	82.32	36.03
#1	-37.81	.1978	-.0090	4.318	4.347	13.16
#2	-41.25	.2910	-.0015	4.997	1.148	22.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 11:52:28 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	**53.44**	**-5.227**	**-1.648**	**9.216**	**-.1961**	**-1.928**
Stddev	4.83	3.520	.007	1.164	.1220	1.027
%RSD	9.044	67.35	.4562	12.63	62.20	53.24
#1	50.02	-7.716	-1.654	8.393	-.2823	-1.202
#2	56.86	-2.738	-1.643	10.04	-.1098	-2.654
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	F **7.885**	**-.7040**	**-60.56**	**2.112**	**1.369**	**1.430**
Stddev	.049	.0232	4.10	.775	.368	.419
%RSD	.6242	3.289	6.773	36.72	26.86	29.29
#1	7.851	-.7204	-63.46	1.564	1.109	1.726
#2	7.920	-.6876	-57.66	2.660	1.629	1.134
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 11:52:28 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	**-.6945**	**-4.124**	**31.96**	**-.0198**	**.1883**
Stddev	.5392	.006	7.35	.0331	1.374
%RSD	77.63	.1378	22.99	167.0	729.8
#1	-.3133	-4.128	26.77	.0036	1.160
#2	-1.076	-4.120	37.16	-.0433	-.7832
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	**6586.4**	**49700.**	**11332.**
Stddev	10.1	279.	80.
%RSD	.15300	.56221	.70871
#1	6579.2	49898.	11389.
#2	6593.5	49502.	11275.

Sample Name: CRDL Acquired: 6/27/2014 11:54:36 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	**12.01**	**211.0**	**10.60**	**114.7**	**10.32**	**4.080**
Stddev	1.10	3.1	.58	.9	.07	.010
%RSD	9.113	1.481	5.432	.7565	.6543	.2556
#1	12.78	208.8	11.00	115.4	10.27	4.073
#2	11.24	213.2	10.19	114.1	10.37	4.087
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	**1099.**	**2.170**	**10.17**	**11.62**	**10.66**	**104.2**
Stddev	5.	.053	.04	1.85	1.82	9.5
%RSD	.4554	2.431	.4375	15.96	17.12	9.118
#1	1102.	2.133	10.20	10.30	11.95	110.9
#2	1095.	2.207	10.14	12.93	9.366	97.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 11:54:36 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	**1127.**	**1110.**	**9.355**	**11.76**	**9.699**	**8.748**
Stddev	14.	5.	.010	.66	.337	.933
%RSD	1.225	.4395	.1073	5.598	3.477	10.66
#1	1117.	1114.	9.348	11.30	9.938	8.089
#2	1136.	1107.	9.363	12.23	9.461	9.408
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	**8.797**	**10.81**	**147.1**	**9.116**	**10.59**	**11.25**
Stddev	.018	.32	1.6	.060	.42	.51
%RSD	.2047	2.971	1.097	.6577	4.007	4.495
#1	8.809	10.59	148.2	9.158	10.89	10.89
#2	8.784	11.04	146.0	9.074	10.29	11.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 11:54:36 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	**10.32**	**17.17**	**1126.**	**10.05**	**1167.**
Stddev	.38	.18	2.	.22	2.
%RSD	3.714	1.076	.1343	2.202	.1754
#1	10.05	17.30	1125.	10.21	1166.
#2	10.60	17.03	1127.	9.895	1169.
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	**6629.6**	**50177.**	**11357.**
Stddev	6.1	129.	35.
%RSD	.09192	.25760	.30997
#1	6633.9	50085.	11332.
#2	6625.3	50268.	11382.

Sample Name: 5099765006_15913 Acquired: 6/27/2014 12:08:51 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 1 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	**-.8015**	**24850.**	**42.47**	**31.06**	**74.73**	**.7310**
Stddev	.1392	51.	2.34	.23	.20	.1405
%RSD	17.37	.2034	5.508	.7284	.2691	19.22
#1	-.9000	24890.	40.81	31.22	74.87	.8303
#2	-.7030	24820.	44.12	30.90	74.59	.6316
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 **659800.**	**1.207**	**28.63**	**58.44**	**76.98**	**80540.**
Stddev	23.	.202	.39	2.38	.43	71.
%RSD	.0035	16.71	1.367	4.069	.5577	.0879
#1	659900.	1.065	28.91	60.12	77.28	80590.
#2	659800.	1.350	28.35	56.76	76.67	80490.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765006_15913 Acquired: 6/27/2014 12:08:51 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 1 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	**3429.**	**197000.**	**2346.**	**2.541**	**72.49**	**55.07**
Stddev	23.	413.	3.	.299	.34	.82
%RSD	.6648	.2098	.1315	11.75	.4726	1.482
#1	3413.	197300.	2348.	2.330	72.25	55.65
#2	3446.	196700.	2344.	2.752	72.73	54.49
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	**.2521**	**-3.928**	**3376.**	**26.54**	**1780.**	**42.16**
Stddev	1.438	1.057	11.	.79	4.	.15
%RSD	570.7	26.92	.3154	2.994	.2043	.3452
#1	-.7650	-4.676	3369.	25.97	1783.	42.06
#2	1.269	-3.181	3384.	27.10	1777.	42.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765006_15913 Acquired: 6/27/2014 12:08:51 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 1 50ICP3: Custom ID3:
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**114.2**	**246.5**	**1022.**	**445.3**	**2284.**
Stddev	.7	.9	6.	.1	6.
%RSD	.6233	.3679	.5454	.0283	.2678
#1	113.7	247.2	1018.	445.4	2288.
#2	114.7	245.9	1026.	445.2	2280.
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	**6147.9**	**48122.**	**11274.**
Stddev	5.6	139.	22.
%RSD	.09098	.28879	.19233
#1	6144.0	48024.	11289.
#2	6151.9	48221.	11258.

Sample Name: 5099765007_15913 Acquired: 6/27/2014 12:11:12 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	**-5.639**	**55910.**	**992.7**	**-65.65**	**740.5**	**3.166**
Stddev	2.258	26.	2.8	1.80	1.6	.025
%RSD	40.04	.0465	.2805	2.742	.2141	.7735
#1	-4.043	55890.	994.7	-64.38	741.6	3.149
#2	-7.236	55920.	990.8	-66.92	739.4	3.184
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	**53200.**	F **-5.466**	**469.6**	**923.3**	**3422.**	F **4119000.**
Stddev	122.	.281	.8	11.0	6.	12900.
%RSD	.2295	5.145	.1715	1.187	.1862	.3131
#1	53110.	-5.267	469.1	931.0	3426.	4110000.
#2	53280.	-5.665	470.2	915.5	3417.	4128000.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		10000.				400000.
Low Limit		-5.000				-50.00

Sample Name: 5099765007_15913 Acquired: 6/27/2014 12:11:12 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	**6543.**	**10570.**	**17780.**	**74.21**	**1235.**	**2007.**
Stddev	1.	65.	33.	.44	.	3.
%RSD	.0079	.6192	.1869	.5899	.0245	.1246
#1	6542.	10520.	17750.	74.52	1235.	2005.
#2	6543.	10610.	17800.	73.90	1234.	2009.
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	**162.8**	F **-69.32**	**8041.**	**604.0**	**2931.**	**38.30**
Stddev	1.0	7.14	11.	1.8	4.	5.12
%RSD	.6190	10.29	.1356	.3042	.1222	13.38
#1	162.1	-64.27	8033.	602.7	2928.	34.68
#2	163.5	-74.36	8049.	605.3	2933.	41.93
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50000.				
Low Limit		-10.00				

Sample Name: 5099765007_15913 Acquired: 6/27/2014 12:11:12 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	**997.3**	**194.3**	**1156.**	**586.2**	**21350.**
Stddev	1.5	.1	1.	1.2	15.
%RSD	.1483	.0378	.0543	.1990	.0702
#1	996.2	194.2	1156.	587.1	21340.
#2	998.3	194.3	1155.	585.4	21360.
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	**5466.3**	**46102.**	**10920.**
Stddev	2.5	38.	41.
%RSD	.04628	.08301	.37136
#1	5468.1	46075.	10891.
#2	5464.5	46129.	10949.

Sample Name: 5099765008_15913 Acquired: 6/27/2014 12:13:18 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	**-2.019**	**23240.**	**27.36**	**24.51**	**74.76**	**.6822**
Stddev	2.862	37.	1.12	.06	.01	.0279
%RSD	141.8	.1597	4.084	.2384	.0130	4.086
#1	-4.043	23210.	26.57	24.56	74.77	.6625
#2	.0050	23270.	28.15	24.47	74.76	.7020
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 **381200.**	**.5722**	**26.44**	**50.08**	**56.36**	**56400.**
Stddev	1227.	.0955	.29	.47	1.83	27.
%RSD	.3219	16.69	1.101	.9471	3.245	.0476
#1	382000.	.6397	26.65	49.74	57.65	56380.
#2	380300.	.5047	26.23	50.41	55.07	56420.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765008_15913 Acquired: 6/27/2014 12:13:18 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	**3390.**	**109700.**	**1540.**	**1.536**	**59.38**	**37.72**
Stddev	21.	190.	3.	.380	.41	1.52
%RSD	.6305	.1735	.1738	24.73	.6987	4.022
#1	3375.	109500.	1538.	1.268	59.68	38.79
#2	3405.	109800.	1542.	1.805	59.09	36.65
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	**.8884**	**2.042**	**2970.**	**28.41**	**1400.**	**32.48**
Stddev	.0513	3.226	9.	.75	2.	.08
%RSD	5.778	158.0	.2862	2.656	.1398	.2316
#1	.8521	-.2392	2976.	27.88	1399.	32.43
#2	.9247	4.323	2964.	28.94	1401.	32.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765008_15913 Acquired: 6/27/2014 12:13:18 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	**93.33**	**154.2**	**849.0**	**259.3**	**1333.**
Stddev	.29	.5	7.4	.1	2.
%RSD	.3160	.3033	.8666	.0470	.1452
#1	93.54	154.5	843.8	259.2	1332.
#2	93.12	153.8	854.2	259.4	1334.
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	**6290.4**	**48471.**	**11267.**
Stddev	18.2	12.	12.
%RSD	.28944	.02566	.10599
#1	6277.5	48462.	11258.
#2	6303.3	48480.	11275.

Sample Name: 5099765009_15913 Acquired: 6/27/2014 12:15:23 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	**-1.035**	**82330.**	**52.59**	**41.81**	**306.9**	**3.143**
Stddev	1.148	10.	.77	2.30	.5	.182
%RSD	110.8	.0120	1.464	5.495	.1566	5.780
#1	-.2238	82320.	52.05	43.43	306.5	3.271
#2	-1.847	82330.	53.14	40.18	307.2	3.014
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	**41510.**	**1.551**	**51.21**	**107.5**	**75.91**	**231300.**
Stddev	76.	.072	.05	3.8	2.10	82.
%RSD	.1842	4.632	.0948	3.532	2.771	.0356
#1	41570.	1.500	51.24	104.8	74.43	231300.
#2	41460.	1.602	51.17	110.2	77.40	231200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765009_15913 Acquired: 6/27/2014 12:15:23 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	**8532.**	**23660.**	**5906.**	**2.892**	**140.1**	**87.32**
Stddev	9.	17.	5.	.401	.3	.85
%RSD	.1048	.0708	.0862	13.88	.1936	.9747
#1	8525.	23650.	5910.	2.608	140.3	87.93
#2	8538.	23670.	5902.	3.175	139.9	86.72
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	**.8702**	**-3.151**	**9042.**	**44.58**	**2100.**	**43.71**
Stddev	1.451	1.690	41.	1.34	3.	.77
%RSD	166.7	53.63	.4571	3.013	.1534	1.756
#1	-.1557	-1.956	9071.	43.63	2097.	44.26
#2	1.896	-4.346	9013.	45.53	2102.	43.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765009_15913 Acquired: 6/27/2014 12:15:23 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	**194.1**	**340.2**	**868.7**	**120.9**	**3135.**
Stddev	.8	1.0	4.1	.2	12.
%RSD	.3866	.2869	.4715	.1552	.3780
#1	194.6	340.9	871.6	120.7	3144.
#2	193.5	339.5	865.8	121.0	3127.
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	**6731.4**	**51086.**	**11771.**
Stddev	19.3	104.	8.
%RSD	.28643	.20400	.06377
#1	6717.8	51012.	11766.
#2	6745.0	51159.	11777.

Sample Name: 5099765010_15913 Acquired: 6/27/2014 12:17:23 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	**-3.699**	**27170.**	**55.73**	**26.28**	**65.08**	**.5673**
Stddev	.362	10.	1.76	2.58	.01	.1085
%RSD	9.795	.0377	3.162	9.834	.0140	19.12
#1	-3.443	27160.	54.49	28.11	65.09	.6440
#2	-3.955	27170.	56.98	24.45	65.08	.4906
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 **418300.**	**.6886**	**23.49**	**88.76**	**92.19**	**107500.**
Stddev	2239.	.0359	.31	8.02	1.19	76.
%RSD	.5351	5.213	1.319	9.039	1.291	.0705
#1	419900.	.7139	23.71	94.44	93.03	107500.
#2	416700.	.6632	23.27	83.09	91.35	107600.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765010_15913 Acquired: 6/27/2014 12:17:23 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	**3542.**	**161400.**	**1035.**	**2.162**	**61.83**	**57.34**
Stddev	5.	180.	2.	.335	.69	.93
%RSD	.1500	.1115	.1684	15.47	1.121	1.626
#1	3538.	161300.	1034.	2.399	62.32	56.68
#2	3545.	161500.	1036.	1.925	61.34	58.00
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	**-.4193**	**-2.929**	**4019.**	**27.34**	**2603.**	**55.04**
Stddev	.3296	.117	28.	.52	1.	.59
%RSD	78.62	3.989	.6932	1.890	.0476	1.065
#1	-.6523	-3.012	4039.	26.97	2602.	54.63
#2	-.1862	-2.847	3999.	27.70	2604.	55.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765010_15913 Acquired: 6/27/2014 12:17:23 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**236.4**	**299.8**	**795.4**	**215.8**	**1772.**
Stddev	.8	.3	1.3	.1	10.
%RSD	.3534	.0839	.1595	.0459	.5770
#1	235.8	299.9	794.5	215.8	1779.
#2	237.0	299.6	796.2	215.9	1764.
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	**6263.4**	**48575.**	**11252.**
Stddev	27.3	41.	26.
%RSD	.43568	.08452	.22705
#1	6244.1	48546.	11270.
#2	6282.7	48604.	11234.

Sample Name: 5099765011_15913 Acquired: 6/27/2014 12:19:29 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	**-3.315**	**108800.**	**444.7**	**73.45**	**951.3**	**3.794**
Stddev	1.152	105.	1.5	3.67	3.0	.033
%RSD	34.76	.0968	.3398	4.999	.3129	.8612
#1	-2.500	108900.	445.7	70.86	953.4	3.817
#2	-4.130	108800.	443.6	76.05	949.2	3.771
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	**55050.**	**.8134**	**145.5**	**525.9**	**672.3**	F **1462000.**
Stddev	128.	.1250	.8	2.1	3.3	1755.
%RSD	.2316	15.37	.5540	.3983	.4972	.1200
#1	55140.	.9019	146.0	524.4	674.7	1464000.
#2	54960.	.7250	144.9	527.4	670.0	1461000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						400000.
Low Limit						-50.00

Sample Name: 5099765011_15913 Acquired: 6/27/2014 12:19:29 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	**10980.**	**35430.**	**12250.**	**42.02**	**356.6**	**399.7**
Stddev	2.	68.	22.	.16	.5	1.3
%RSD	.0177	.1907	.1829	.3795	.1506	.3249
#1	10980.	35480.	12270.	41.91	357.0	400.7
#2	10980.	35390.	12230.	42.13	356.2	398.8
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	**21.70**	F **-15.89**	**9859.**	**127.3**	**3228.**	**57.03**
Stddev	.39	.37	7.	1.1	5.	1.02
%RSD	1.808	2.352	.0701	.8596	.1678	1.789
#1	21.42	-15.62	9864.	126.5	3232.	56.31
#2	21.98	-16.15	9854.	128.0	3224.	57.75
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		50000.				
Low Limit		-10.00				

Sample Name: 5099765011_15913 Acquired: 6/27/2014 12:19:29 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	**785.0**	**506.7**	**1375.**	**319.5**	**14070.**
Stddev	1.3	1.1	6.	.7	38.
%RSD	.1680	.2179	.4587	.2129	.2675
#1	784.1	507.5	1379.	320.0	14100.
#2	785.9	505.9	1370.	319.0	14050.
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	**6371.3**	**50115.**	**11620.**
Stddev	7.1	162.	2.
%RSD	.11105	.32401	.01300
#1	6366.3	50000.	11619.
#2	6376.3	50230.	11621.

Sample Name: 5099765012_15913 Acquired: 6/27/2014 12:21:38 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	**-1.801**	**36860.**	**47.40**	**41.55**	**78.51**	**1.025**
Stddev	2.297	72.	.02	1.56	.34	.010
%RSD	127.5	.1965	.0510	3.750	.4300	.9742
#1	-3.425	36910.	47.38	40.45	78.27	1.032
#2	-.1767	36810.	47.42	42.65	78.74	1.018
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 **1065000.**	**.6730**	**28.42**	**82.82**	**122.6**	**94380.**
Stddev	1354.	.1991	.25	2.83	4.3	243.
%RSD	.1271	29.58	.8695	3.413	3.495	.2574
#1	1066000.	.8138	28.25	80.82	119.6	94560.
#2	1064000.	.5323	28.60	84.82	125.7	94210.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765012_15913 Acquired: 6/27/2014 12:21:38 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	**5574.**	**476100.**	**1814.**	**2.770**	**78.78**	**76.07**
Stddev	4.	1077.	4.	.336	1.44	.32
%RSD	.0737	.2263	.2476	12.13	1.834	.4244
#1	5571.	476900.	1817.	2.532	79.81	76.30
#2	5577.	475300.	1811.	3.007	77.76	75.84
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	**-1.528**	**-3.550**	**3811.**	**24.88**	**1789.**	**41.25**
Stddev	1.245	1.094	20.	.95	3.	.04
%RSD	81.47	30.81	.5121	3.821	.1810	.1054
#1	-2.409	-4.323	3798.	24.21	1791.	41.28
#2	-.6479	-2.776	3825.	25.56	1787.	41.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765012_15913 Acquired: 6/27/2014 12:21:38 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	138.1	319.1	1319.	443.6	2575.
Stddev	1.4	.2	15.	1.8	12.
%RSD	1.014	.0589	1.119	.4060	.4585
#1	139.1	319.3	1308.	442.3	2584.
#2	137.1	319.0	1329.	444.9	2567.
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	5967.1	47414.	10944.
Stddev	15.5	138.	30.
%RSD	.26023	.29063	.27323
#1	5956.2	47317.	10965.
#2	5978.1	47512.	10923.

Sample Name: 5099765013_15913 Acquired: 6/27/2014 12:23:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.8930**	**63600.**	**41.88**	**21.73**	**213.8**	**1.729**
Stddev	1.598	39.	2.45	.48	.2	.050
%RSD	179.0	.0613	5.858	2.188	.1061	2.878
#1	.2372	63570.	40.15	21.39	214.0	1.765
#2	-2.023	63620.	43.62	22.06	213.7	1.694
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	**9901.**	**.5632**	**39.99**	**110.1**	**79.48**	**106700.**
Stddev	39.	.0627	.48	2.8	6.45	227.
%RSD	.3989	11.13	1.191	2.587	8.113	.2123
#1	9873.	.5189	39.65	112.1	74.92	106500.
#2	9929.	.6076	40.33	108.1	84.04	106800.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765013_15913 Acquired: 6/27/2014 12:23:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4664.**	**16400.**	**2913.**	**2.274**	**90.85**	**69.46**
Stddev	3.	6.	9.	.510	.06	1.85
%RSD	.0551	.0390	.2975	22.43	.0713	2.657
#1	4666.	16410.	2907.	1.913	90.81	70.76
#2	4662.	16400.	2919.	2.635	90.90	68.15
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	**.4000**	**-4.525**	**6098.**	**26.50**	**2573.**	**51.33**
Stddev	.3296	1.175	49.	.05	4.	.76
%RSD	82.40	25.98	.8006	.2043	.1618	1.477
#1	.1669	-5.356	6063.	26.54	2570.	51.86
#2	.6330	-3.694	6132.	26.46	2576.	50.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765013_15913 Acquired: 6/27/2014 12:23:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	185.7	278.6	592.1	61.63	2501.
Stddev	.2	.0	1.2	.13	2.
%RSD	.0823	.0045	.1979	.2143	.0624
#1	185.8	278.6	592.9	61.54	2500.
#2	185.6	278.6	591.2	61.73	2502.
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	6856.4	51880.	11880.
Stddev	.8	133.	21.
%RSD	.01229	.25614	.17800
#1	6857.0	51974.	11865.
#2	6855.8	51786.	11895.

Sample Name: 5099765014_15913 Acquired: 6/27/2014 12:25:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3710)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	.2066	39730.	34.47	28.59	111.0	.7999
Stddev	2.734	27.	.12	.14	.4	.0622
%RSD	1323.	.0682	.3342	.4847	.3724	7.775
#1	-1.727	39750.	34.56	28.69	110.7	.7559
#2	2.140	39710.	34.39	28.49	111.3	.8439
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 520700.	.6588	27.84	158.5	83.62	84020.
Stddev	236.	.1464	.76	5.9	.34	85.
%RSD	.0453	22.22	2.733	3.729	.4122	.1017
#1	520500.	.5553	28.38	162.7	83.38	84080.
#2	520900.	.7623	27.31	154.3	83.87	83960.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765014_15913 Acquired: 6/27/2014 12:25:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5037.**	**166900.**	**1973.**	**26.82**	**84.88**	**63.46**
Stddev	17.	166.	.	.06	.17	1.38
%RSD	.3363	.0995	.0171	.2370	.2016	2.173
#1	5048.	167000.	1973.	26.87	85.00	64.44
#2	5025.	166800.	1973.	26.78	84.76	62.49
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	**-1.298**	**-.9898**	**5787.**	**26.84**	**2218.**	**48.77**
Stddev	.871	1.668	35.	1.79	2.	.63
%RSD	67.07	168.5	.6110	6.667	.1058	1.283
#1	-1.914	.1897	5812.	28.10	2220.	48.33
#2	-.6825	-2.169	5762.	25.57	2216.	49.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765014_15913 Acquired: 6/27/2014 12:25:44 Type: Unk
Method: 50ICP3 method build(v66) Mode: CONC Corr. Factor: 1.000000
User: frw EPA 6010B: 50ICP3: Custom ID3:
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**145.1**	**228.9**	**1197.**	**313.1**	**1949.**
Stddev	1.0	.6	9.	.4	8.
%RSD	.7144	.2451	.7360	.1385	.4063
#1	144.4	229.3	1191.	313.4	1954.
#2	145.8	228.5	1204.	312.7	1943.
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	**6280.0**	**48730.**	**11329.**
Stddev	9.4	14.	53.
%RSD	.15021	.02855	.46792
#1	6273.3	48740.	11292.
#2	6286.7	48720.	11367.

Sample Name: 5099765015_15913 Acquired: 6/27/2014 12:27:50 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	**-2.783**	**23980.**	**75.68**	**22.84**	**51.77**	**.5883**
Stddev	1.581	14.	.95	.34	.16	.1009
%RSD	56.83	.0598	1.260	1.493	.3136	17.16
#1	-3.901	23990.	75.01	23.08	51.66	.5169
#2	-1.664	23970.	76.35	22.60	51.89	.6597
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 **502500.**	**.9438**	**22.69**	**64.48**	**174.4**	**113200.**
Stddev	540.	.0282	.26	3.86	1.4	114.
%RSD	.1074	2.984	1.137	5.991	.8026	.1011
#1	502900.	.9239	22.87	67.21	175.3	113100.
#2	502200.	.9637	22.50	61.75	173.4	113200.
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	200000.					
Low Limit	-1000.					

Sample Name: 5099765015_15913 Acquired: 6/27/2014 12:27:50 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	**3008.**	**168700.**	**967.2**	**3.357**	**72.24**	**127.4**
Stddev	17.	249.	.6	.323	1.15	.3
%RSD	.5631	.1474	.0667	9.609	1.596	.2051
#1	2996.	168500.	966.8	3.585	73.05	127.6
#2	3020.	168800.	967.7	3.129	71.42	127.3
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	**-.3521**	**-.4514**	**3299.**	**27.59**	**2670.**	**55.80**
Stddev	1.662	.9574	7.	.88	5.	.62
%RSD	471.9	212.1	.2032	3.184	.1770	1.113
#1	.8229	.2256	3295.	28.21	2666.	55.36
#2	-1.527	-1.128	3304.	26.96	2673.	56.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765015_15913 Acquired: 6/27/2014 12:27:50 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	**203.4**	**530.3**	**774.1**	**296.2**	**2036.**
Stddev	.0	2.5	6.8	.1	12.
%RSD	.0242	.4626	.8804	.0406	.5931
#1	203.3	532.1	769.3	296.2	2045.
#2	203.4	528.6	779.0	296.3	2028.
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	**6221.8**	**48593.**	**11198.**
Stddev	25.7	104.	23.
%RSD	.41322	.21407	.20796
#1	6203.6	48520.	11182.
#2	6240.0	48667.	11215.

Sample Name: CCV Acquired: 6/27/2014 12:29:56 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	**472.6**	**9822.**	**1005.**	**1030.**	**984.1**	**950.0**
Stddev	4.3	10.	4.	3.	1.0	4.1
%RSD	.8993	.1012	.3731	.3088	.1024	.4333
#1	469.6	9829.	1008.	1032.	983.4	947.1
#2	475.6	9815.	1003.	1027.	984.8	952.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9947.**	**977.5**	**985.3**	**979.9**	**956.1**	**10140.**
Stddev	31.	.2	.2	4.2	3.0	33.
%RSD	.3151	.0221	.0158	.4288	.3107	.3248
#1	9969.	977.6	985.2	976.9	954.0	10120.
#2	9925.	977.3	985.4	982.8	958.2	10160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 12:29:56 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	**9896.**	**10180.**	**988.8**	**1020.**	**986.7**	**972.5**
Stddev	58.	27.	2.3	6.	.3	.9
%RSD	.5846	.2647	.2303	.5390	.0331	.0929
#1	9855.	10200.	990.4	1024.	987.0	973.1
#2	9937.	10160.	987.2	1017.	986.5	971.8
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	**1032.**	**993.7**	**4667.**	**1012.**	**1022.**	**1004.**
Stddev	.	3.1	5.	3.	1.	.
%RSD	.0015	.3109	.1002	.3335	.0494	.0395
#1	1032.	995.8	4664.	1014.	1022.	1004.
#2	1032.	991.5	4670.	1010.	1021.	1003.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 12:29:56 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	1021.	963.6	9770.	967.9	1030.
Stddev	4.	.8	24.	1.2	2.
%RSD	.3799	.0837	.2495	.1207	.1458
#1	1024.	963.0	9752.	967.1	1031.
#2	1018.	964.2	9787.	968.7	1029.
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	6594.8	49611.	11288.
Stddev	8.2	84.	16.
%RSD	.12388	.16883	.14234
#1	6589.0	49552.	11299.
#2	6600.6	49671.	11276.

Sample Name: CCB Acquired: 6/27/2014 12:31:49 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	3.026	.9954	.3438	1.552	2.350	.0803
Stddev	.963	2.594	.0812	.055	.103	.0062
%RSD	31.83	260.6	23.62	3.538	4.380	7.729
#1	3.706	-.8387	.2864	1.513	2.423	.0847
#2	2.345	2.829	.4012	1.591	2.277	.0759
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	-36.10	.1510	.2461	1.255	.4331	24.42
Stddev	1.44	.0584	.3084	2.809	1.798	9.19
%RSD	3.993	38.70	125.3	223.9	415.2	37.63
#1	-37.12	.1097	.4642	3.241	1.705	30.92
#2	-35.09	.1923	.0281	-.7317	-.8386	17.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 12:31:49 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	26.57	-3.336	-1.659	8.856	-.1371	-.2766
Stddev	5.23	.257	.068	.958	.1026	.8370
%RSD	19.67	7.692	4.102	10.81	74.83	302.6
#1	22.87	-3.517	-1.707	8.179	-.0646	-.8684
#2	30.27	-3.154	-1.611	9.533	-.2096	.3153
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	F 7.314	.9550	-64.50	1.960	1.232	1.273
Stddev	.362	.8940	.94	.582	.146	.649
%RSD	4.950	93.61	1.454	29.68	11.82	50.96
#1	7.570	1.587	-65.16	1.548	1.129	1.732
#2	7.058	.3229	-63.83	2.371	1.335	.8145
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 12:31:49 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	-.2167	-3.738	24.77	.0410	1.334
Stddev	.1438	.245	.05	.0047	.802
%RSD	66.35	6.540	.1896	11.45	60.09
#1	-.3184	-3.565	24.80	.0443	1.901
#2	-.1150	-3.911	24.73	.0377	.7675
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	6656.3	50276.	11294.
Stddev	2.3	9.	23.
%RSD	.03479	.01691	.20663
#1	6658.0	50270.	11277.
#2	6654.7	50282.	11310.

Sample Name: CCV Acquired: 6/27/2014 13:22:08 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	**491.2**	**10210.**	**1043.**	**1061.**	**1025.**	**984.0**
Stddev	5.0	7.	1.	5.	1.	3.1
%RSD	1.013	.0652	.0653	.5145	.1088	.3186
#1	487.6	10210.	1043.	1057.	1024.	981.8
#2	494.7	10200.	1042.	1065.	1026.	986.2
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	**10280.**	**1013.**	**1022.**	**1016.**	**998.9**	**10430.**
Stddev	41.	2.	2.	2.	1.3	28.
%RSD	.3969	.1704	.2337	.1486	.1251	.2662
#1	10250.	1012.	1020.	1017.	999.7	10410.
#2	10300.	1014.	1024.	1015.	998.0	10450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 13:22:08 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	**10300.**	**10520.**	**1024.**	**1059.**	**1025.**	**1009.**
Stddev	13.	5.	1.	3.	1.	4.
%RSD	.1290	.0439	.1155	.2981	.0815	.4060
#1	10290.	10520.	1023.	1061.	1024.	1006.
#2	10310.	10520.	1025.	1057.	1025.	1012.
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	**1069.**	**1023.**	**4803.**	**1052.**	**1055.**	**1038.**
Stddev	2.	2.	19.	.	.	3.
%RSD	.1973	.1540	.3851	.0309	.0147	.3239
#1	1070.	1024.	4790.	1052.	1055.	1036.
#2	1067.	1021.	4816.	1052.	1056.	1040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 13:22:08 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	1059.	999.1	10170.	1006.	1062.
Stddev	4.	.6	25.	.	1.
%RSD	.3729	.0617	.2434	.0092	.1304
#1	1056.	998.7	10160.	1006.	1061.
#2	1062.	999.6	10190.	1006.	1063.
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	6418.7	48418.	10920.
Stddev	1.8	48.	3.
%RSD	.02871	.09816	.02927
#1	6417.3	48452.	10917.
#2	6420.0	48384.	10922.

Sample Name: CCB Acquired: 6/27/2014 13:24:00 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	.9389	4.085	-.0113	1.135	1.502	.1038
Stddev	.1298	.243	.6189	.045	.016	.0563
%RSD	13.82	5.959	5468.	3.975	1.090	54.22
#1	.8472	4.257	-.4489	1.103	1.513	.0640
#2	1.031	3.913	.4263	1.167	1.490	.1435
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	-23.09	.1823	.0519	6.926	-.3477	1.001
Stddev	.96	.0173	.2421	2.092	1.356	.031
%RSD	4.137	9.466	466.5	30.21	390.1	3.086
#1	-23.76	.1701	-.1193	5.446	.6113	.9790
#2	-22.41	.1945	.2231	8.405	-1.307	1.023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 13:24:00 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	11.61	-8.671	-.9018	8.882	.0987	-.8038
Stddev	9.77	2.681	.0310	.913	.2277	1.890
%RSD	84.13	30.93	3.440	10.28	230.6	235.2
#1	18.52	-6.774	-.8799	8.236	.2597	-2.141
#2	4.705	-10.57	-.9238	9.528	-.0623	.5329
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	F 7.756	-2.528	-65.19	3.738	1.296	1.193
Stddev	.238	2.356	2.32	1.410	.352	.582
%RSD	3.073	93.19	3.561	37.72	27.16	48.80
#1	7.588	-4.194	-66.83	2.741	1.544	1.605
#2	7.925	-.8621	-63.55	4.735	1.047	.7815
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 13:24:00 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	-.3841	-2.279	19.92	.0821	1.163
Stddev	.0516	.088	4.45	.0146	.433
%RSD	13.43	3.866	22.33	17.82	37.23
#1	-.3476	-2.342	16.77	.0718	.8565
#2	-.4206	-2.217	23.06	.0925	1.469
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	6661.0	50159.	11158.
Stddev	5.9	34.	2.
%RSD	.08812	.06787	.01532
#1	6656.8	50135.	11159.
#2	6665.1	50183.	11157.

Sample Name: 5099765007 x20_15913 Acquired: 6/27/2014 13:26:31 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	.6027	2614.	50.79	-.6841	37.47	.1475
Stddev	3.281	4.	2.24	.1205	.29	.1127
%RSD	544.4	.1431	4.419	17.62	.7813	76.39
#1	-1.718	2612.	49.20	-.5989	37.68	.2272
#2	2.923	2617.	52.38	-.7693	37.27	.0679
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	2983.	.0805	23.98	51.04	178.2	258900.
Stddev	7.	.1152	.21	3.23	.6	140.
%RSD	.2408	143.2	.8664	6.336	.3416	.0539
#1	2978.	.1619	23.83	48.75	178.6	258800.
#2	2988.	-.0010	24.12	53.32	177.7	259000.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765007 x20_15913 Acquired: 6/27/2014 13:26:31 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	**362.2**	**596.2**	**1031.**	**4.467**	**66.04**	**103.7**
Stddev	11.0	1.8	1.	.461	.02	.4
%RSD	3.030	.2971	.0975	10.33	.0328	.3790
#1	354.4	597.4	1031.	4.141	66.06	104.0
#2	369.9	594.9	1032.	4.793	66.03	103.5
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	**7.731**	**-2.761**	**358.2**	**29.61**	**148.9**	**2.170**
Stddev	.800	1.849	6.0	.43	.1	.008
%RSD	10.35	66.98	1.677	1.455	.0594	.3603
#1	7.165	-1.454	362.4	29.31	148.9	2.164
#2	8.297	-4.069	353.9	29.92	149.0	2.175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765007 x20_15913 Acquired: 6/27/2014 13:26:31 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	**51.96**	**6.963**	**76.62**	**29.86**	**1087.**
Stddev	1.42	.195	3.73	.02	.
%RSD	2.740	2.804	4.871	.0588	.0296
#1	52.96	6.825	79.26	29.87	1087.
#2	50.95	7.101	73.98	29.85	1088.
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	**6573.9**	**49792.**	**11170.**
Stddev	16.3	48.	35.
%RSD	.24786	.09595	.31161
#1	6562.4	49759.	11146.
#2	6585.4	49826.	11195.

Sample Name: 5099765011 x10_15913 Acquired: 6/27/2014 13:28:33 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	2.783	10900.	48.00	8.600	101.1	.3859
Stddev	1.706	9.	1.36	1.800	.2	.0598
%RSD	61.31	.0781	2.832	20.92	.1761	15.49
#1	1.577	10910.	47.03	9.873	101.2	.4282
#2	3.990	10890.	48.96	7.328	100.9	.3437
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	6054.	.1933	15.54	56.97	75.67	165200.
Stddev	1.	.0421	.33	1.64	3.35	53.
%RSD	.0222	21.76	2.124	2.872	4.423	.0322
#1	6055.	.2230	15.78	55.81	73.30	165300.
#2	6053.	.1636	15.31	58.12	78.03	165200.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765011 x10_15913 Acquired: 6/27/2014 13:28:33 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	**1174.**	**3836.**	**1397.**	**4.544**	**37.89**	**41.61**
Stddev	14.	2.	.	.038	.21	1.04
%RSD	1.178	.0521	.0307	.8365	.5660	2.491
#1	1184.	3834.	1396.	4.571	37.74	42.34
#2	1164.	3837.	1397.	4.518	38.04	40.88
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	**2.808**	**-1.164**	**942.9**	**11.26**	**338.7**	**8.589**
Stddev	.081	2.525	10.7	.37	.2	.576
%RSD	2.889	216.9	1.135	3.326	.0673	6.705
#1	2.750	.6211	950.4	11.52	338.5	8.997
#2	2.865	-2.950	935.3	11.00	338.9	8.182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: 5099765011 x10_15913 Acquired: 6/27/2014 13:28:33 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	**84.15**	**51.97**	**159.2**	**34.01**	**1479.**
Stddev	.93	.08	.6	.10	.
%RSD	1.101	.1543	.3539	.2883	.0016
#1	84.81	51.91	158.8	33.94	1479.
#2	83.50	52.03	159.6	34.08	1479.
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	**6633.2**	**50099.**	**11250.**
Stddev	2.3	84.	29.
%RSD	.03477	.16782	.25748
#1	6634.8	50039.	11230.
#2	6631.6	50158.	11270.

Sample Name: CCV Acquired: 6/27/2014 13:30:35 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	**474.6**	**9862.**	**1008.**	**1027.**	**988.8**	**950.4**
Stddev	.5	30.	3.	1.	4.2	3.3
%RSD	.0968	.3035	.3216	.1165	.4218	.3477
#1	474.2	9840.	1006.	1026.	985.9	948.1
#2	474.9	9883.	1010.	1027.	991.8	952.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10000.**	**977.3**	**983.9**	**984.9**	**968.9**	**10190.**
Stddev	6.	.5	2.8	9.5	3.0	44.
%RSD	.0642	.0541	.2821	.9656	.3066	.4309
#1	9996.	977.0	982.0	978.2	966.8	10160.
#2	10010.	977.7	985.9	991.6	971.0	10220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 13:30:35 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	**9976.**	**10160.**	**991.6**	**1021.**	**988.6**	**976.9**
Stddev	43.	12.	.6	3.	1.4	.1
%RSD	.4298	.1157	.0624	.2792	.1432	.0094
#1	9946.	10150.	991.1	1023.	987.6	976.9
#2	10010.	10170.	992.0	1019.	989.6	976.8
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	**1029.**	**988.0**	**4643.**	**1014.**	**1018.**	**1003.**
Stddev	1.	1.7	25.	3.	1.	4.
%RSD	.0669	.1677	.5461	.2967	.1306	.3850
#1	1029.	989.2	4625.	1012.	1017.	1000.
#2	1030.	986.9	4661.	1016.	1019.	1006.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 6/27/2014 13:30:35 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	1026.	964.9	9858.	972.1	1019.
Stddev	3.	.9	17.	4.0	1.
%RSD	.3181	.0974	.1686	.4115	.1365
#1	1024.	964.2	9846.	969.3	1018.
#2	1029.	965.5	9870.	974.9	1020.
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	6611.9	49705.	11161.
Stddev	4.0	70.	62.
%RSD	.06100	.14050	.55157
#1	6609.1	49656.	11117.
#2	6614.8	49755.	11205.

Sample Name: CCB Acquired: 6/27/2014 13:32:27 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	1.489	.2778	-.4466	1.398	1.500	.1570
Stddev	1.611	3.059	.1141	.219	.099	.0608
%RSD	108.2	1101.	25.54	15.63	6.580	38.72
#1	2.628	2.441	-.5273	1.553	1.430	.2000
#2	.3499	-1.885	-.3660	1.244	1.570	.1140
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	-23.84	.2069	.1667	1.585	-2.560	13.11
Stddev	.19	.0942	.0712	5.751	3.328	3.29
%RSD	.7837	45.54	42.70	362.9	130.0	25.10
#1	-23.98	.2736	.1164	-2.482	-.2062	10.79
#2	-23.71	.1403	.2171	5.651	-4.913	15.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 6/27/2014 13:32:27 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	.1711	-5.263	-.8821	8.892	.0432	-.6221
Stddev	2.326	1.368	.1041	1.058	.0448	.3509
%RSD	1360.	25.98	11.80	11.90	103.7	56.41
#1	-1.474	-6.230	-.8085	8.144	.0115	-.3740
#2	1.816	-4.296	-.9557	9.640	.0749	-.8703
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	F 6.863	1.369	-64.67	3.893	.7711	.3884
Stddev	1.151	.085	1.96	.503	.0766	.3013
%RSD	16.77	6.210	3.031	12.92	9.932	77.58
#1	6.049	1.309	-66.06	4.249	.8252	.1753
#2	7.677	1.429	-63.28	3.537	.7169	.6014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	6.000					
Low Limit	-6.000					

Sample Name: CCB Acquired: 6/27/2014 13:32:27 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	.0634	-2.402	14.68	.0556	.2596
Stddev	.2245	.071	7.12	.0816	1.803
%RSD	354.1	2.962	48.49	146.8	694.6
#1	.2221	-2.452	19.71	.1133	-1.015
#2	-.0953	-2.352	9.643	-.0021	1.534
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	6687.9	50379.	11178.
Stddev	18.3	95.	83.
%RSD	.27336	.18872	.74258
#1	6675.0	50446.	11119.
#2	6700.8	50311.	11236.

Sample Name: CRDL Acquired: 6/27/2014 13:34:34 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	**9.839**	**213.0**	**10.81**	**113.8**	**10.24**	**4.083**
Stddev	1.511	7.8	.91	.1	.08	.046
%RSD	15.36	3.652	8.434	.1071	.7521	1.127
#1	8.770	207.5	11.46	113.9	10.30	4.116
#2	10.91	218.5	10.17	113.7	10.19	4.051
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	**1113.**	**2.217**	**10.01**	**8.998**	**9.741**	**103.7**
Stddev	7.	.139	.01	7.299	.435	11.3
%RSD	.6426	6.282	.0940	81.12	4.467	10.94
#1	1118.	2.119	10.01	3.837	10.05	95.67
#2	1108.	2.316	10.02	14.16	9.434	111.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 13:34:34 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	1156.	1097.	9.249	11.71	9.782	7.633
Stddev	17.	4.	.056	.07	.171	1.299
%RSD	1.436	.3689	.6075	.6029	1.752	17.02
#1	1144.	1095.	9.289	11.66	9.661	6.714
#2	1168.	1100.	9.210	11.76	9.903	8.552
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	7.730	9.882	142.0	9.383	10.32	11.77
Stddev	2.050	.485	3.8	.577	.06	.27
%RSD	26.52	4.911	2.668	6.151	.5497	2.306
#1	9.180	10.23	139.3	8.975	10.28	11.96
#2	6.280	9.539	144.7	9.791	10.36	11.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 6/27/2014 13:34:34 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	**10.55**	**18.01**	**1114.**	**10.11**	**1160.**
Stddev	.15	.16	4.	.13	1.
%RSD	1.441	.8634	.3519	1.318	.0469
#1	10.66	18.12	1111.	10.01	1159.
#2	10.44	17.90	1117.	10.20	1160.
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	**6636.6**	**50303.**	**11132.**
Stddev	12.1	66.	8.
%RSD	.18231	.13079	.07452
#1	6628.0	50350.	11126.
#2	6645.2	50257.	11138.

Prep Log Report

Batch Information: MPRP 13645

Template Version: EF-IN-I-318(rev.00, 30Nov2011)

Prep Method	EPA 3050	Analysis Method	EPA 6010	Extracted By	phb	Extracted By Date	06/26/2014 09:35:33:134
Solid Matrix Lot	56184	Instrument	50BAL3	Block ID	7	Block Temp (C)	93
Correction Factor (C)	+1.3	Corrected Temp. (C)	94.3	Acceptance Range:	95+/-3 C	Thermometer ID	PT-174
Digestion Vessel Lot	69959	Batch Notes	70437 filtermate	Reviewed By	FRW	Reviewed By Date	07/02/2014 09:18

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	**1117278**	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	LCS	**1117279**	Solid	1	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	**5099765001**	Solid	1.044	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	MS	**1117280**	Solid	1.063	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	MSD	**1117281**	Solid	1.138	69701 (5)	70782 (4)	63037 (5)	50			71131 (1)
6010 S_P	PS	**5099765002**	Solid	1.061	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765003**	Solid	1.058	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765004**	Solid	1.122	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765005**	Solid	1.090	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765006**	Solid	1.156	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765007**	Solid	1.070	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765008**	Solid	1.034	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765009**	Solid	1.191	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765010**	Solid	1.117	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765011**	Solid	1.051	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765012**	Solid	1.101	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765013**	Solid	1.105	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765014**	Solid	1.011	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099765015**	Solid	1.081	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099803012**	Solid	1.093	69701 (5)	70782 (4)	63037 (5)	50			
6010 S_P	PS	**5099825002**	Solid	1.184	69701 (5)	70782 (4)	63037 (5)	50			

Prep Log Report

Standard Notes:

71131: ICP-SPK

SAMPLE NO.

P-1 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765007 Percent Moisture: 4.2

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
18540-29-9	Chromium, Hexavalent	ND	U	mg/kg	1	07/17/2014 09:31
16065-83-1	Chromium, Trivalent	45.1		mg/kg	1	07/17/2014 13:37

SAMPLE NO.

TMW-8 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765011 Percent Moisture: 12.7

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
18540-29-9	Chromium, Hexavalent	ND	U	mg/kg	1	07/17/2014 09:33
16065-83-1	Chromium, Trivalent	28.7		mg/kg	1	07/17/2014 13:37

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Initial Calibration Verification Source: 57684,57885,61114,61774

Continuing Calibration Verification Source: 64926,65403,70433,72526

Concentration Units: mg/L Instrument ID: 50WET2

	Initial Calibration Verification				Continuing Calibration Verification						
	02/17/2014 12:59				07/17/2014 09:30			07/17/2014 09:33			
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	Control Limit
Chromium, Hexavalent	0.5	0.54	108.3	90-110	0.5	0.52	103.3	0.5	0.52	104.4	90-110

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract : Sibley-Accucast

Method Blank Matrix: Solid Instrument ID: 50WET2

Method Blank Concentration Units: mg/kg

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	02/17/2014 12:59	C	07/17/2014 09:30	C	07/17/2014 09:33	C		C	1128073	C
Chromium, Hexavalent	-0.0061	J	-0.013		-0.0061	J			ND	U

SAMPLE NO.

1128075MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-1 (1-3)

Percent Moisture: 4.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Chromium, Hexavalent	mg/kg	75-125	1030	ND	1070	97

SAMPLE NO.

1128076MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-1 (1-3)

Percent Moisture: 4.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Chromium, Hexavalent	mg/kg	75-125	978	ND	1030	95

SAMPLE NO.

1128077MS

FORM V INORGANIC-3

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-1 (1-3)

Percent Moisture: 4.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Chromium, Hexavalent	mg/kg	75-125	6.7	ND	40.8	16*

* Spike Recovery outside QC Limits

SAMPLE NO.

1128078MSD

FORM V INORGANIC-4

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Basis: Dry Parent Sample ID: P-1 (1-3)

Percent Moisture: 4.2

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Chromium, Hexavalent	mg/kg	75-125	18.7	ND	41.5	45*

* Spike Recovery outside QC Limits

SAMPLE NO.

1128076MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 4.2 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Chromium, Hexavalent	20	1030	978	5

SAMPLE NO.

1128078MSD

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 4.2 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Chromium, Hexavalent	20	6.7	18.7	95*

* RPD outside QC Limits

SAMPLE NO.

1128079DUP

FORM VI INORGANIC-3
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: mg/kg

Percent Moisture: 46.2 Basis: Dry

Analyte	Control Limit	Sample	Duplicate	RPD
Chromium, Hexavalent	20	ND	ND	

SAMPLE NO.

1128074LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid

Analyte	Units	True	Found	%R	Limits	
Chromium, Hexavalent	mg/kg	958	950	99	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Preparation Method: EPA 3060A Batch: WET 16676

Lab Sample ID	Sample Name	Preparation Date	Initial Weight (g)	Final Volume (mL)
1128073	1128073BLANK	07/16/2014	2.52	100
1128074	1128074LCS	07/16/2014	2.52	100
1128075	1128075MS	07/16/2014	2.52	100
1128076	1128076MSD	07/16/2014	2.55	100
1128077	1128077MS	07/16/2014	2.56	100
1128078	1128078MSD	07/16/2014	2.52	100
1128079	1128079DUP	07/16/2014	2.59	100
5099765007	P-1 (1-3)	07/16/2014	2.56	100
5099765011	TMW-8 (1-3)	07/16/2014	2.52	100

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Preparation Method: Trivalent Chromium Calculation Batch: WET 16615

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
5099765007	P-1 (1-3)	07/17/2014	1	1
5099765011	TMW-8 (1-3)	07/17/2014	1	1

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50WET2 Analysis Method: EPA 7196A

Start Date: 02/17/2014 12:57 End Date: 07/17/2014 09:48

Sample Name	Lab Sample ID	D/F	Date	Time	Cr6
6484590CAL1	6484590CAL1	1	02/17/2014	12:57	X
6484591CAL2	6484591CAL2	1	02/17/2014	12:57	X
6484596CAL3	6484596CAL3	1	02/17/2014	12:57	X
6484593CAL4	6484593CAL4	1	02/17/2014	12:57	X
6484594CAL5	6484594CAL5	1	02/17/2014	12:57	X
6484595CAL6	6484595CAL6	1	02/17/2014	12:57	X
6484592CAL7	6484592CAL7	1	02/17/2014	12:57	X
6484588ICV	6484588ICV	1	02/17/2014	12:59	X
6484589ICB	6484589ICB	1	02/17/2014	12:59	X
6973305CCB	6973305CCB	1	07/17/2014	09:30	X
6973306CCV	6973306CCV	1	07/17/2014	09:30	X
1128073BLANK	1128073	1	07/17/2014	09:30	X
1128074LCS	1128074	50	07/17/2014	09:31	X
P-1 (1-3)	5099765007	1	07/17/2014	09:31	X
1129588PDS	1129588	1	07/17/2014	09:31	X
1129589PDS	1129589	1	07/17/2014	09:31	X
1128075MS	1128075	50	07/17/2014	09:32	X
1128076MSD	1128076	50	07/17/2014	09:32	X
1128077MS	1128077	2	07/17/2014	09:32	X
1128078MSD	1128078	2	07/17/2014	09:32	X
TMW-8 (1-3)	5099765011	1	07/17/2014	09:33	X
6973310CCV	6973310CCV	1	07/17/2014	09:33	X
6973308CCB	6973308CCB	1	07/17/2014	09:33	X
10273319006	10273319006	1	07/17/2014	09:48	X
1128079DUP	1128079	1	07/17/2014	09:48	X

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50WET6 Analysis Method: Trivalent Chromium Calculation

Start Date: 07/17/2014 13:37 End Date: 07/17/2014 13:37

Sample Name	Lab Sample ID	D/F	Date	Time	Cr3
P-1 (1-3)	5099765007	1	07/17/2014	13:37	X
TMW-8 (1-3)	5099765011	1	07/17/2014	13:37	X

Prep Log Report

Batch Information: WET 16676

Template Version: EF-IN-Q-365-Rev.00 (21 Jan 2013) Cr6 PREP

Prep Method	EPA 3060A	Extracted By	SLB	Extracted By Date	07/16/2014 06:49:00	Instrument	50WET4
Cr6 Digestion Soln (mL)	72411 (50)	Phosphate Buffer (mL)	69205 (0.5)	Magnesium Chloride (g)	54508 (0.5)	33% Nitric Acid (mL)	71289 (1)
Gravity Filters	64926	Plastic Beads	70438	Batch Notes		Reviewed By	TPD
Reviewed By Date	07/17/2014 09:19						

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Weight (g)	Final Volume (mL)	Initial pH	Final pH	Block ID	pH Adjust Date/Time	Matrix	Spike Soln Type	Sample Notes	HEXCR-SPK (mL)	HEXCR-SPKA (g)
7196 SMODP	BLANK	**1128073**	2.52	100	12	7.48	50WETF	07/17/2014 09:11:01	Solid				
7196 SMODP	LCS	**1128074**	2.52	100	12	7.47	50WETF	07/17/2014 09:11:03	Solid				6651 (0.015)
7196 SMODP	PS	**5099765007**	2.56	100	12	7.49	50WETF	07/17/2014 09:11:06	Solid				
7196 SMODP	MS	**1128075**	2.52	100	12	7.48	50WETF	07/17/2014 09:11:08	Solid	Insoluble			6651 (0.0159)
7196 SMODP	MSD	**1128076**	2.55	100	12	7.48	50WETF	07/17/2014 09:11:10	Solid	Insoluble			6651 (0.0156)
7196 SMODP	MS	**1128077**	2.56	100	12	7.48	50WETF	07/17/2014 09:11:12	Solid	Soluble		61255 (2)	
7196 SMODP	MSD	**1128078**	2.52	100	12	7.49	50WETF	07/17/2014 09:11:14	Solid	Soluble		61255 (2)	
7196 SMODP	PS	**5099765011**	2.52	100	12	7.49	50WETF	07/17/2014 09:11:20	Solid				
7196 SMODP	PS	**50100480001**	2.51	100	12	7.49	50WETF	07/17/2014 09:11:22	Solid				
7196 SMODP	PS	**50100480002**	2.58	100	12	7.49	50WETF	07/17/2014 09:11:24	Solid				
7196 SMODP	PS	**10273319001**	2.52	100	12	7.47	50WETF	07/17/2014 09:11:26	Solid				
7196 SMODP	PS	**10273319002**	2.59	100	12	7.48	50WETF	07/17/2014 09:11:28	Solid				
7196 SMODP	PS	**10273319003**	2.58	100	12	7.5	50WETF	07/17/2014 09:11:30	Solid				
7196 SMODP	PS	**10273319004**	2.59	100	12	7.49	50WETF	07/17/2014 09:11:32	Solid				
7196 SMODP	PS	**10273319005**	2.53	100	12	7.48	50WETF	07/17/2014 09:11:34	Solid				
7196 SMODP	PS	**10273319006**	2.54	100	12	7.49	50WETF	07/17/2014 09:11:36	Solid				
7196 SMODP	DUP	**1128079**	2.59	100	12	7.49	50WETF	07/17/2014 09:12:13	Solid				

Prep Log Report

Standard Notes:

61255: CR+6 Stk Spike ICV

6651: Hexavalent Cr Spike Soil

Prep Log Report

Batch Information: WET 16725

Template Version: EF-IN-Q-364-Rev.00 (21 Jan 2013) Cr6 Analytical

Curve-r	0.9989123716492351	Curve-m	0.7155829728045376	Curve-y	0.00933527823188851	Curve-seq	804
Curve Date	02/17/2014 09:59	Analysis Method	3500/7196	Analyzed By	TPD	Instrument	50WET2
WaveLength (nm)	540	1:1 H2SO4 (mL)	65403 (0.2)	ChromaVer 3 (mL)	70433 (1)	Gravity Filters	64926
Batch Notes		Reviewed By	SLB	Reviewed By Date	07/17/2014 13:33		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Run Date/Time	Initial Amount (g | mL)	Final Volume (mL)	Initial Abs	Final Abs	Absorbance	Cr6 Conc. (mg/L)	Dilution from Prep	Dilution	Final Cr6	Final Units
WET CR6_Q	CCB	**CCB**	Y	07/17/2014 09:30:25	1	1			0	-0.0130		1	-0.0130	mg/L
WET CR6_Q	CCV	**CCV**	Y	07/17/2014 09:30:39	1	1			0.379	0.5166		1	0.5166	mg/L
7196 SMOD	BLANK	**1128073**	Y	07/17/2014 09:30:51	2.52	100			-0.0010	-0.0144	39.682539682539684	1	-0.5714	mg/kg
7196 SMOD	LCS	**1128074**	Y	07/17/2014 09:31:05	2.52	100			0.352	0.4789	39.682539682539684	50	950.1984	mg/kg
7196 SMOD	PS	**5099765007**	Y	07/17/2014 09:31:22	2.56	100			0.01	0.0009	39.0625	1	0.0352	mg/kg
7196 SMOD	PDS	**1129588**	Y	07/17/2014 09:31:46	10	10			0.319	0.4327		1	0.4327	mg/L
7196 SMOD	PDS	**1129589**	Y	07/17/2014 09:31:56	10	10			0.311	0.4216		1	0.4216	mg/L
7196 SMOD	MS	**1128075**	Y	07/17/2014 09:32:08	2.52	100			0.366	0.4984	39.682539682539684	50	988.8889	mg/kg
7196 SMOD	MSD	**1128076**	Y	07/17/2014 09:32:20	2.55	100			0.351	0.4775	39.21568627450981	50	936.2745	mg/kg
7196 SMOD	MS	**1128077**	Y	07/17/2014 09:32:31	2.56	100			0.068	0.0820	39.0625	2	6.4063	mg/kg
7196 SMOD	MSD	**1128078**	Y	07/17/2014 09:32:44	2.52	100			0.171	0.2259	39.682539682539684	2	17.9286	mg/kg
7196 SMOD	PS	**5099765011**	Y	07/17/2014 09:33:09	2.52	100	0.0080	0.022	0.013999999999999999	0.0065	39.682539682539684	1	0.2579	mg/kg
WET CR6_Q	CCV	**CCV**	Y	07/17/2014 09:33:20	1	1			0.383	0.5222		1	0.5222	mg/L
WET CR6_Q	CCB	**CCB**	Y	07/17/2014 09:33:34	1	1			0.0050	-0.0061		1	-0.0061	mg/L
7196 SMOD	PS	**50100480001**	Y	07/17/2014 09:45:00	2.51	100	0.02	0.024	0.0040	-0.0075	39.840637450199203	1	-0.2988	mg/kg
7196 SMOD	PS	**50100480002**	Y	07/17/2014 09:45:24	2.58	100	0.017	0.022	0.004999999999999975	-0.0061	38.759689922480620	1	-0.2364	mg/kg

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Select	Run Date/Time	Initial Amount (g | mL)	Final Volume (mL)	Initial Abs	Final Abs	Absorbance	Cr6 Conc. (mg/L)	Dilution from Prep	Dilution	Final Cr6	Final Units
7196 SMOD	PS	**10273319001**	Y	07/17/2014 09:45:46	2.52	100	0.038	0.043	0.004999999999999975	-0.0061	39.682539682539684	1	-0.2421	mg/kg
7196 SMOD	PS	**10273319002**	Y	07/17/2014 09:46:10	2.59	100	0.034	0.05	0.016	0.0093	38.610038610038615	1	0.3591	mg/kg
7196 SMOD	PS	**10273319003**	Y	07/17/2014 09:46:36	2.58	100	0.039	0.052	0.012999999999999998	0.0051	38.75968992248062	1	0.1977	mg/kg
7196 SMOD	PS	**10273319004**	Y	07/17/2014 09:47:02	2.59	100	0.039	0.05	0.011000000000000003	0.0023	38.610038610038615	1	0.0888	mg/kg
7196 SMOD	PS	**10273319005**	Y	07/17/2014 09:48:13	2.53	100	0.054	0.064	0.010000000000000002	0.0009	39.52569169960475	1	0.0356	mg/kg
7196 SMOD	PS	**10273319006**	Y	07/17/2014 09:48:36	2.54	100	0.045	0.049	0.004000000000000036	-0.0075	39.37007874015748	1	-0.2953	mg/kg
7196 SMOD	DUP	**1128079**	Y	07/17/2014 09:48:58	2.59	100	0.049	0.06	0.010999999999999996	0.0023	38.610038610038615	1	0.0888	mg/kg
WET CR6_Q	CCV	**CCV**	Y	07/17/2014 09:49:09	1	1			0.381	0.5194		1	0.5194	mg/L
WET CR6_Q	CCB	**CCB**	Y	07/17/2014 09:49:20	1	1			0.0040	-0.0075		1	-0.0075	mg/L

QC Rule	Sample Type	Lab Sample ID	Filtered	Matrix	Sample Notes	CAL-STD
WET CR6_Q	CCB	**CCB**	No	Water		72525 (1)
WET CR6_Q	CCV	**CCV**	No	Water		72526 (1)
7196 SMOD	BLANK	**1128073**	Yes	Solid		
7196 SMOD	LCS	**1128074**	Yes	Solid		
7196 SMOD	PS	**5099765007**	Yes	Solid		
7196 SMOD	PDS	**1129588**	Yes	Water		61255 (.1)
7196 SMOD	PDS	**1129589**	Yes	Water		61255 (.1)

Prep Log Report

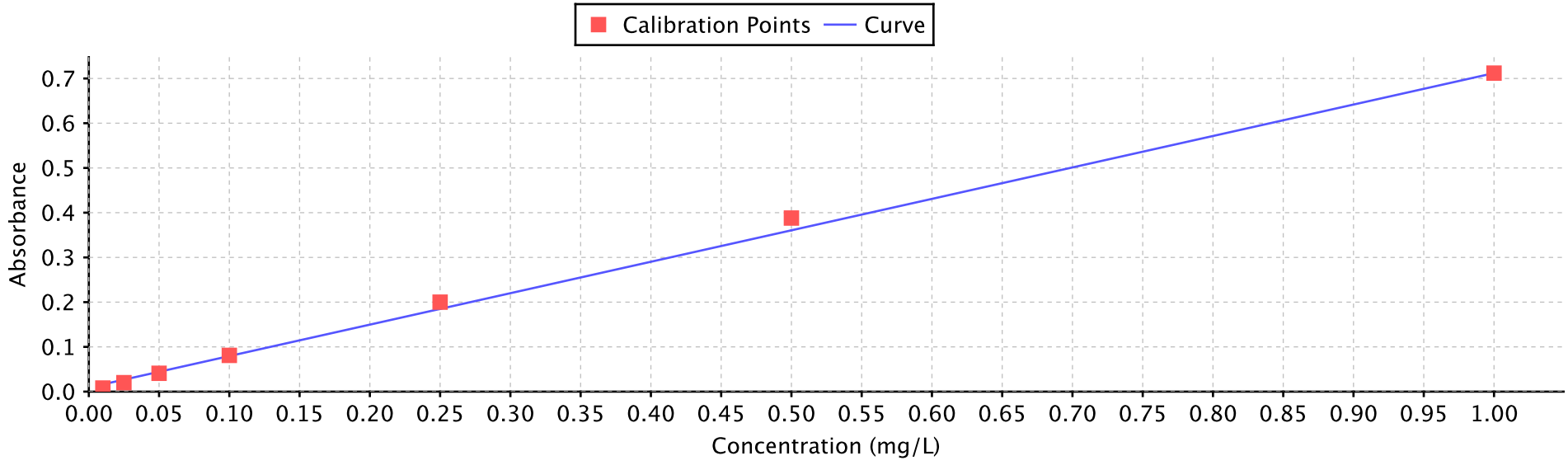
QC Rule	Sample Type	Lab Sample ID	Filtered	Matrix	Sample Notes	CAL-STD
7196 SMOD	MS	**1128075**	Yes	Solid		
7196 SMOD	MSD	**1128076**	Yes	Solid		
7196 SMOD	MS	**1128077**	Yes	Solid		
7196 SMOD	MSD	**1128078**	Yes	Solid		
7196 SMOD	PS	**5099765011**	Yes	Solid		
WET CR6_Q	CCV	**CCV**	No	Water		72526 (1)
WET CR6_Q	CCB	**CCB**	No	Water		72525 (1)
7196 SMOD	PS	**50100480001**	Yes	Solid		
7196 SMOD	PS	**50100480002**	Yes	Solid		
7196 SMOD	PS	**10273319001**	Yes	Solid		
7196 SMOD	PS	**10273319002**	Yes	Solid		
7196 SMOD	PS	**10273319003**	Yes	Solid		
7196 SMOD	PS	**10273319004**	Yes	Solid		
7196 SMOD	PS	**10273319005**	Yes	Solid		
7196 SMOD	PS	**10273319006**	Yes	Solid		
7196 SMOD	DUP	**1128079**	Yes	Solid		
WET CR6_Q	CCV	**CCV**	No	Water		72526 (1)
WET CR6_Q	CCB	**CCB**	No	Water		72525 (1)

Standard Notes:

61255: CR+6 Stk Spike ICV **72525: CR6-CAL0** **72526: CR6-CAL6**

Curve Group Name: CR6 216566 2/17/14
Curve Group Number: 47525
Curve Creation Date: 02/17/2014 09:59
Instrument ID: 50WET2
Analyst: TPD

SAMPLE_TYPE	SCHEDULE SEQ	RUN DATE	STANDARD SOURCE	SPIKE VOLUME	SPIKE VOLUME UNITS	ABSORBANCE	CONC.	TV	UNITS
CAL1	6484590	02/17/2014 12:57:12	61768	1	mL	0.008	-0.001	0.01	mg/L
CAL2	6484591	02/17/2014 12:57:14	61769	1	mL	0.02	0.015	0.025	mg/L
CAL3	6484596	02/17/2014 12:57:16	61770	1	mL	0.041	0.044	0.05	mg/L
CAL4	6484593	02/17/2014 12:57:18	61771	1	mL	0.081	0.10	0.1	mg/L
CAL5	6484594	02/17/2014 12:57:19	61772	1	mL	0.2	0.27	0.25	mg/L
CAL6	6484595	02/17/2014 12:57:22	61773	1	mL	0.388	0.53	0.5	mg/L
CAL7	6484592	02/17/2014 12:57:30	61775	1	mL	0.712	0.98	1	mg/L
ICV	6484588	02/17/2014 12:59:02	61774	1	mL	0.397	0.54	0.5	mg/L
ICB	6484589	02/17/2014 12:59:06	61715	1	mL	0.005	-0.006		mg/L



Prep Log Report

Batch Information: CR6 216566 2/17/14

Template Version: EF-IN-Q-364-Rev.00 (21 Jan 2013) Cr6 Analytical

Curve-r	0.9989123716492351	Curve-m	0.7155829728045376	Curve-y	0.00933527823188851	Curve-seq	804
Curve Date	02/17/2014 09:48	Analysis Method	3500/7196	Analyzed By	TPD	Instrument	50WET2
WaveLength (nm)	540	1:1 H2SO4	None Added	ChromaVer 3 (mL)	57885 (1)	Gravity Filters	None Added
Batch Notes		Reviewed By	SLB	Reviewed By Date	02/17/2014 13:12:37:431		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Run Date/Time	Initial Amount (g | mL)	Final Volume (mL)	Initial Abs	Final Abs	Absorbance	Cr6 Conc. (mg/L)	Dilution	Final Cr6	Final Units	Filtered
WET CR6_Q	CAL1	**CAL1**	Y	02/17/2014 12:57:12	1	1			0.0080	-0.0019	1	-0.0019	mg/L	
WET CR6_Q	CAL2	**CAL2**	Y	02/17/2014 12:57:14	1	1			0.02	0.0149	1	0.0149	mg/L	
WET CR6_Q	CAL3	**CAL3**	Y	02/17/2014 12:57:16	1	1			0.041	0.0443	1	0.0443	mg/L	
WET CR6_Q	CAL4	**CAL4**	Y	02/17/2014 12:57:18	1	1			0.081	0.1001	1	0.1001	mg/L	
WET CR6_Q	CAL5	**CAL5**	Y	02/17/2014 12:57:19	1	1			0.2	0.2664	1	0.2664	mg/L	
WET CR6_Q	CAL6	**CAL6**	Y	02/17/2014 12:57:22	1	1			0.388	0.5292	1	0.5292	mg/L	
WET CR6_Q	CAL7	**CAL7**	Y	02/17/2014 12:57:30	1	1			0.712	0.9819	1	0.9819	mg/L	
WET CR6_Q	ICV	**ICV**	Y	02/17/2014 12:59:02	1	1			0.397	0.5417	1	0.5417	mg/L	
WET CR6_Q	ICB	**ICB**	Y	02/17/2014 12:59:06	1	1			0.0050	-0.0061	1	-0.0061	mg/L	

QC Rule	Sample Type	Lab Sample ID	Matrix	Sample Notes	CAL-STD
WET CR6_Q	CAL1	**CAL1**	Water		61768 (1)
WET CR6_Q	CAL2	**CAL2**	Water		61769 (1)
WET CR6_Q	CAL3	**CAL3**	Water		61770 (1)
WET CR6_Q	CAL4	**CAL4**	Water		61771 (1)
WET CR6_Q	CAL5	**CAL5**	Water		61772 (1)
WET CR6_Q	CAL6	**CAL6**	Water		61773 (1)

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Sample Notes	CAL-STD
WET CR6_Q	CAL7	**CAL7**	Water		61775 (1)
WET CR6_Q	ICV	**ICV**	Water		61774 (1)
WET CR6_Q	ICB	**ICB**	Water		61715 (1)

Standard Notes:

61715: CR6-CAL0
61768: CR6-CAL1
61769: CR6-CAL2
61770: CR6-CAL3
61771: CR6-CAL4
61772: CR6-CAL5
61773: CR6-CAL6
61774: CR6-ICV
61775: CR6-CAL7

SAMPLE NO.

P-10 (2-4)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	10.1		%	1	06/26/2014 15:15

SAMPLE NO.

P-10 (12-14)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	2.3		%	1	06/26/2014 15:15

SAMPLE NO.

TMW-10 (3-5)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	8.2		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-10 (10-12)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	6.3		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-2 (3-5)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	6.4		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-2 (13-15)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	16.3		%	1	06/26/2014 15:16

SAMPLE NO.

P-1 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765007 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	4.2		%	1	06/26/2014 15:16

SAMPLE NO.

P-1 (18-20)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	13.1		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-1 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	4.0		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-1 (11-13)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765010 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	11.0		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-8 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765011 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	12.7		%	1	06/26/2014 15:16

SAMPLE NO.

TMW-8 (10-12)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765012 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	3.0		%	1	06/26/2014 15:17

SAMPLE NO.

P-2 (1-3)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765013 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	8.0		%	1	06/26/2014 15:17

SAMPLE NO.

P-2 (18-20)

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	11.3		%	1	06/26/2014 15:17

SAMPLE NO.

Subsurf-Dup

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Lab Sample ID: 5099765015 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Percent Moisture	3.3		%	1	06/26/2014 15:17

SAMPLE NO.

1118527DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	9.1	9.0	1

SAMPLE NO.

1118528DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Matrix: Solid Concentration Units: %

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Percent Moisture	5	10.7	9.5	12*

* RPD outside QC Limits

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Preparation Method: ASTM D2974-87 Batch: PMST 9619

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1118527	1118527DUP	06/26/2014	1	1
1118528	1118528DUP	06/26/2014	1	1
5099765001	P-10 (2-4)	06/26/2014	1	1
5099765002	P-10 (12-14)	06/26/2014	1	1
5099765003	TMW-10 (3-5)	06/26/2014	1	1
5099765004	TMW-10 (10-12)	06/26/2014	1	1
5099765005	TMW-2 (3-5)	06/26/2014	1	1
5099765006	TMW-2 (13-15)	06/26/2014	1	1
5099765007	P-1 (1-3)	06/26/2014	1	1
5099765008	P-1 (18-20)	06/26/2014	1	1
5099765009	TMW-1 (1-3)	06/26/2014	1	1
5099765010	TMW-1 (11-13)	06/26/2014	1	1
5099765011	TMW-8 (1-3)	06/26/2014	1	1
5099765012	TMW-8 (10-12)	06/26/2014	1	1
5099765013	P-2 (1-3)	06/26/2014	1	1
5099765014	P-2 (18-20)	06/26/2014	1	1
5099765015	Subsurf-Dup	06/26/2014	1	1

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 5099765 Contract: Sibley-Accucast

Instrument ID: 50BAL4 Analysis Method: ASTM D2974-87

Start Date: 06/26/2014 15:15 End Date: 06/26/2014 15:17

Sample Name	Lab Sample ID	D/F	Date	Time	MOIST
5099875004	5099875004	1	06/26/2014	15:15	X
1118527DUP	1118527	1	06/26/2014	15:15	X
P-10 (2-4)	5099765001	1	06/26/2014	15:15	X
P-10 (12-14)	5099765002	1	06/26/2014	15:15	X
TMW-10 (3-5)	5099765003	1	06/26/2014	15:16	X
TMW-10 (10-12)	5099765004	1	06/26/2014	15:16	X
TMW-2 (3-5)	5099765005	1	06/26/2014	15:16	X
TMW-2 (13-15)	5099765006	1	06/26/2014	15:16	X
P-1 (1-3)	5099765007	1	06/26/2014	15:16	X
P-1 (18-20)	5099765008	1	06/26/2014	15:16	X
TMW-1 (1-3)	5099765009	1	06/26/2014	15:16	X
TMW-1 (11-13)	5099765010	1	06/26/2014	15:16	X
TMW-8 (1-3)	5099765011	1	06/26/2014	15:16	X
TMW-8 (10-12)	5099765012	1	06/26/2014	15:17	X
P-2 (1-3)	5099765013	1	06/26/2014	15:17	X
P-2 (18-20)	5099765014	1	06/26/2014	15:17	X
Subsurf-Dup	5099765015	1	06/26/2014	15:17	X
5099825002	5099825002	1	06/26/2014	15:17	X
1118528DUP	1118528	1	06/26/2014	15:17	X

Prep Log Report

Batch Information: PMST 9619

Template Version: EF-IN-Q-337-Rev.00 (21 Jan 2013) Percent Moisture

Analysis Method	ASTM D2974-87	Analyzed By	WDB	Instrument	50BAL4	Oven ID	50WET7
Thermometer ID	PT-168	Oven Temp Correction Factor	+1.3	Oven Temp In1 | Corr | Date/Time | Init	103.0 | 104.3 | 06/26/2014 15:27 | WDB	Oven Temp Out1 | Corr | Date/Time | Init	101.7 | 103.0 | 06/27/2014 09:03 | SLB
Batch Notes		Reviewed By	DDM	Reviewed By Date	06/27/2014 12:14		

Sample Information:

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	**5099875004**	Y	90.87	9.134	06/26/2014 15:15:21	7.585	1.029	8.244	7.585	M	161	
DRY WEIGHT	DUP	**1118527**	Y	91.00	9.004	06/26/2014 15:15:30	8.991	1.048	9.777	8.991	M	162	
DRY WEIGHT	PS	**5099875009**	Y	91.24	8.764	06/26/2014 15:15:37	5.242	1.036	5.646	5.242	M	163	
DRY WEIGHT	PS	**5099875010**	Y	85.72	14.28	06/26/2014 15:15:43	6.806	1.035	7.767	6.806	M	164	
DRY WEIGHT	PS	**5099765001**	Y	89.86	10.14	06/26/2014 15:15:51	5.836	1.031	6.378	5.836	M	165	
DRY WEIGHT	PS	**5099765002**	Y	97.65	2.346	06/26/2014 15:15:57	4.959	1.004	5.054	4.959	M	166	
DRY WEIGHT	PS	**5099765003**	Y	91.76	8.240	06/26/2014 15:16:04	5.93	1.008	6.372	5.93	M	167	
DRY WEIGHT	PS	**5099765004**	Y	93.75	6.254	06/26/2014 15:16:10	5.923	1.021	6.25	5.923	M	168	
DRY WEIGHT	PS	**5099765005**	Y	93.59	6.406	06/26/2014 15:16:17	6.248	1.047	6.604	6.248	M	169	
DRY WEIGHT	PS	**5099765006**	Y	83.66	16.34	06/26/2014 15:16:25	6.09	1.035	7.077	6.09	M	170	
DRY WEIGHT	PS	**5099765007**	Y	95.75	4.249	06/26/2014 15:16:31	4.014	0.994	4.148	4.014	M	171	
DRY WEIGHT	PS	**5099765008**	Y	86.88	13.12	06/26/2014 15:16:38	5.126	1.074	5.738	5.126	M	172	
DRY WEIGHT	PS	**5099765009**	Y	96.03	3.965	06/26/2014 15:16:44	5.526	1.069	5.71	5.526	M	173	
DRY WEIGHT	PS	**5099765010**	Y	88.99	11.01	06/26/2014 15:16:51	5.77	1.027	6.357	5.77	M	174	
DRY WEIGHT	PS	**5099765011**	Y	87.29	12.71	06/26/2014 15:16:59	4.779	1.05	5.322	4.779	M	175	
DRY WEIGHT	PS	**5099765012**	Y	96.96	3.039	06/26/2014 15:17:05	5.707	1.017	5.854	5.707	M	176	
DRY WEIGHT	PS	**5099765013**	Y	92.03	7.971	06/26/2014 15:17:12	6.635	1.001	7.123	6.635	M	177	
DRY WEIGHT	PS	**5099765014**	Y	88.74	11.26	06/26/2014 15:17:21	5.383	1.032	5.935	5.383	M	178	

Prep Log Report

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	**5099765015**	Y	96.72	3.284	06/26/2014 15:17:27	5.419	1.031	5.568	5.419	M	179	
DRY WEIGHT	PS	**5099825001**	Y	92.62	7.376	06/26/2014 15:17:34	6.555	1.017	6.996	6.555	M	180	
DRY WEIGHT	PS	**5099825002**	Y	89.35	10.65	06/26/2014 15:17:47	8.522	1.081	9.409	8.522	M	181	
DRY WEIGHT	DUP	**1118528**	Y	90.54	9.462	06/26/2014 15:17:55	8.903	1.009	9.728	8.903	M	182	