Analytical Data Package

Prepared by:

Pace Analytical Services - Indiana

Pace Project No.: 50100317

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Pace Analytical Services, Inc.
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1233 Dublin Road
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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.: 50100317

Dear Mr. Stanford:
Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 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.:	50100317

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.: 50100317

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50100317001	**TMW-1**	Water	07/02/14 15:25	07/03/14 09:15
50100317002	**TMW-2**	Water	07/02/14 16:20	07/03/14 09:15
50100317003	**TMW-3**	Water	07/02/14 17:30	07/03/14 09:15
50100317004	**TMW-4**	Water	07/02/14 12:55	07/03/14 09:15
50100317005	**TMW-5**	Water	07/02/14 14:00	07/03/14 09:15
50100317006	**TMW-6**	Water	07/02/14 13:30	07/03/14 09:15
50100317007	**TMW-7**	Water	07/02/14 12:30	07/03/14 09:15
50100317008	**TMW-8**	Water	07/02/14 14:50	07/03/14 09:15
50100317009	**TMW-9**	Water	07/02/14 11:05	07/03/14 09:15
50100317010	**TMW-10**	Water	07/02/14 10:20	07/03/14 09:15
50100317011	**GW-Dupe**	Water	07/02/14 08:00	07/03/14 09:15
50100317012	**GW EQ Blank**	Water	07/02/14 18:30	07/03/14 09:15
50100317013	**Trip Blank**	Water	07/02/14 08:00	07/03/14 09:15
50100317014	**S-A IDW**	Water	07/02/14 18:00	07/03/14 09:15

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SAMPLE ANALYTE COUNT

Project: Sibley - Accucast
Pace Project No.: 50100317

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50100317001	**TMW-1**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317002	**TMW-2**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317003	**TMW-3**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	DAE	73
50100317004	**TMW-4**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317005	**TMW-5**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317006	**TMW-6**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317007	**TMW-7**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317008	**TMW-8**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317009	**TMW-9**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317010	**TMW-10**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317011	**GW-Dupe**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317012	**GW EQ Blank**	EPA 6010	LLB	8
		EPA 8270	SN	66
		EPA 8260	RSW	73
50100317013	**Trip Blank**	EPA 8260	RSW	73

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SAMPLE ANALYTE COUNT

Project: Sibley - Accucast
Pace Project No.: 50100317

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50100317014	**S-A IDW**	EPA 6010	LLB	11
		EPA 7470	LLB	1
		EPA 8270	SN	66
		EPA 8260	RSW	73
		SM 2540D	MLS	1
		SM 5210B	ZM	1

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-1 **Lab ID: 50100317001** Collected: 07/02/14 15:25 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:13	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7440-48-4	
Iron	**2770**	ug/L	100	1	07/08/14 14:55	07/10/14 12:13	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:13	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 01:46	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 01:46	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 01:46	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-1 **Lab ID: 50100317001** Collected: 07/02/14 15:25 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 01:46		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 01:46	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 01:46	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 01:46	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	83	%.	29-126	1	07/09/14 13:01	07/10/14 01:46	4165-60-0	
2-Fluorobiphenyl (S)	85	%.	31-118	1	07/09/14 13:01	07/10/14 01:46	321-60-8	
p-Terphenyl-d14 (S)	43	%.	28-129	1	07/09/14 13:01	07/10/14 01:46	1718-51-0	
Phenol-d5 (S)	16	%.	10-47	1	07/09/14 13:01	07/10/14 01:46	4165-62-2	
2-Fluorophenol (S)	28	%.	10-67	1	07/09/14 13:01	07/10/14 01:46	367-12-4	
2,4,6-Tribromophenol (S)	84	%.	31-161	1	07/09/14 13:01	07/10/14 01:46	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/15/14 23:19	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/15/14 23:19	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/15/14 23:19	107-13-1	
Benzene	ND	ug/L	5.0	1		07/15/14 23:19	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/15/14 23:19	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/15/14 23:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/15/14 23:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/15/14 23:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/15/14 23:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/15/14 23:19	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/15/14 23:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/15/14 23:19	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-1 **Lab ID: 50100317001** Collected: 07/02/14 15:25 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/15/14 23:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/15/14 23:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/15/14 23:19	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/15/14 23:19	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/15/14 23:19	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/15/14 23:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/15/14 23:19	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/15/14 23:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/15/14 23:19	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/15/14 23:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/15/14 23:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/15/14 23:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/15/14 23:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/15/14 23:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/15/14 23:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/15/14 23:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/15/14 23:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/15/14 23:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/15/14 23:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/15/14 23:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/15/14 23:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/15/14 23:19	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/15/14 23:19	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/15/14 23:19	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/15/14 23:19	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/15/14 23:19	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/15/14 23:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/15/14 23:19	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/15/14 23:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/15/14 23:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/15/14 23:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/15/14 23:19	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	103-65-1	
Styrene	ND	ug/L	5.0	1		07/15/14 23:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/15/14 23:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/15/14 23:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/15/14 23:19	127-18-4	
Toluene	ND	ug/L	5.0	1		07/15/14 23:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/15/14 23:19	120-82-1	
1,1,1-Trichloroethane	**6.2**	ug/L	5.0	1		07/15/14 23:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/15/14 23:19	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-1 **Lab ID: 50100317001** Collected: 07/02/14 15:25 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/15/14 23:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/15/14 23:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/15/14 23:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/15/14 23:19	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/15/14 23:19	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/15/14 23:19	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/15/14 23:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%.	79-116	1		07/15/14 23:19	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	80-114	1		07/15/14 23:19	460-00-4	
Toluene-d8 (S)	89	%.	81-110	1		07/15/14 23:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-2 **Lab ID: 50100317002** Collected: 07/02/14 16:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:16	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7440-48-4	
Iron	**1430**	ug/L	100	1	07/08/14 14:55	07/10/14 12:16	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:16	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	83-32-9	
Acenaphthylene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	208-96-8	
Anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	207-08-9	
Benzyl alcohol	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:09	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	7005-72-3	
Chrysene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	53-70-3	
Dibenzofuran	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	120-83-2	
Diethylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:09	117-81-7	
Fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	206-44-0	
Fluorene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:09	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-2 **Lab ID: 50100317002** Collected: 07/02/14 16:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09	77-47-4	
Hexachloroethane	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	193-39-5	
Isophorone	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 02:09		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:09	91-20-3	
2-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	100-01-6	
Nitrobenzene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	86-30-6	
Pentachlorophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 02:09	87-86-5	
Phenanthrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	85-01-8	
Phenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	108-95-2	
Pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 02:09	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	87	%.	29-126	1	07/09/14 13:01	07/10/14 02:09	4165-60-0	
2-Fluorobiphenyl (S)	91	%.	31-118	1	07/09/14 13:01	07/10/14 02:09	321-60-8	
p-Terphenyl-d14 (S)	55	%.	28-129	1	07/09/14 13:01	07/10/14 02:09	1718-51-0	
Phenol-d5 (S)	16	%.	10-47	1	07/09/14 13:01	07/10/14 02:09	4165-62-2	
2-Fluorophenol (S)	27	%.	10-67	1	07/09/14 13:01	07/10/14 02:09	367-12-4	
2,4,6-Tribromophenol (S)	87	%.	31-161	1	07/09/14 13:01	07/10/14 02:09	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 00:23	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 00:23	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 00:23	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 00:23	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 00:23	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 00:23	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 00:23	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 00:23	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 00:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 00:23	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 00:23	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 00:23	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-2 **Lab ID: 50100317002** Collected: 07/02/14 16:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 00:23	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 00:23	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 00:23	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 00:23	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 00:23	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 00:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 00:23	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 00:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 00:23	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 00:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 00:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 00:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 00:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 00:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 00:23	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 00:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 00:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 00:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 00:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 00:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 00:23	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 00:23	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 00:23	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 00:23	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 00:23	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 00:23	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 00:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 00:23	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 00:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 00:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 00:23	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 00:23	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 00:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 00:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 00:23	79-34-5	
Tetrachloroethene	**6.6**	ug/L	5.0	1		07/16/14 00:23	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 00:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 00:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 00:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 00:23	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-2 **Lab ID: 50100317002** Collected: 07/02/14 16:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 00:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 00:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 00:23	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 00:23	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 00:23	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 00:23	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 00:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%.	79-116	1		07/16/14 00:23	1868-53-7	
4-Bromofluorobenzene (S)	93	%.	80-114	1		07/16/14 00:23	460-00-4	
Toluene-d8 (S)	91	%.	81-110	1		07/16/14 00:23	2037-26-5	

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.: 50100317

Sample: TMW-3 **Lab ID: 50100317003** Collected: 07/02/14 17:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:24	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7440-48-4	
Iron	**326**	ug/L	100	1	07/08/14 14:55	07/10/14 12:24	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:24	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:31	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:31	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:31	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-3 **Lab ID: 50100317003** Collected: 07/02/14 17:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:31		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:31	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:31	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:31	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	86	%.	29-126	1	07/09/14 13:01	07/10/14 02:31	4165-60-0	
2-Fluorobiphenyl (S)	88	%.	31-118	1	07/09/14 13:01	07/10/14 02:31	321-60-8	
p-Terphenyl-d14 (S)	72	%.	28-129	1	07/09/14 13:01	07/10/14 02:31	1718-51-0	
Phenol-d5 (S)	18	%.	10-47	1	07/09/14 13:01	07/10/14 02:31	4165-62-2	
2-Fluorophenol (S)	30	%.	10-67	1	07/09/14 13:01	07/10/14 02:31	367-12-4	
2,4,6-Tribromophenol (S)	99	%.	31-161	1	07/09/14 13:01	07/10/14 02:31	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 17:42	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 17:42	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 17:42	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 17:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 17:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 17:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 17:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 17:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 17:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 17:42	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 17:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 17:42	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-3 **Lab ID: 50100317003** Collected: 07/02/14 17:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 17:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 17:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 17:42	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 17:42	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 17:42	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 17:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 17:42	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 17:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 17:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 17:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 17:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 17:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 17:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 17:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 17:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 17:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 17:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 17:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 17:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 17:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 17:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 17:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 17:42	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 17:42	110-54-3	
2-Hexanone	ND	ug/L	25.0	1		07/16/14 17:42	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 17:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 17:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 17:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 17:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 17:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 17:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 17:42	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 17:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 17:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 17:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 17:42	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 17:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 17:42	120-82-1	
1,1,1-Trichloroethane	**9.7**	ug/L	5.0	1		07/16/14 17:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 17:42	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-3 **Lab ID: 50100317003** Collected: 07/02/14 17:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 17:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 17:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 17:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 17:42	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 17:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 17:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 17:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		07/16/14 17:42	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	80-114	1		07/16/14 17:42	460-00-4	
Toluene-d8 (S)	101	%.	81-110	1		07/16/14 17:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-4 **Lab ID: 50100317004** Collected: 07/02/14 12:55 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:27	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7440-48-4	
Iron	**1550**	ug/L	100	1	07/08/14 14:55	07/10/14 12:27	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:27	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:54	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:54	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:54	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-4 **Lab ID: 50100317004** Collected: 07/02/14 12:55 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 02:54		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 02:54	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 02:54	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 02:54	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	83	%.	29-126	1	07/09/14 13:01	07/10/14 02:54	4165-60-0	
2-Fluorobiphenyl (S)	84	%.	31-118	1	07/09/14 13:01	07/10/14 02:54	321-60-8	
p-Terphenyl-d14 (S)	53	%.	28-129	1	07/09/14 13:01	07/10/14 02:54	1718-51-0	
Phenol-d5 (S)	18	%.	10-47	1	07/09/14 13:01	07/10/14 02:54	4165-62-2	
2-Fluorophenol (S)	29	%.	10-67	1	07/09/14 13:01	07/10/14 02:54	367-12-4	
2,4,6-Tribromophenol (S)	95	%.	31-161	1	07/09/14 13:01	07/10/14 02:54	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/15/14 21:43	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/15/14 21:43	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/15/14 21:43	107-13-1	
Benzene	ND	ug/L	5.0	1		07/15/14 21:43	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/15/14 21:43	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/15/14 21:43	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/15/14 21:43	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/15/14 21:43	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/15/14 21:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/15/14 21:43	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/15/14 21:43	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/15/14 21:43	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-4 **Lab ID: 50100317004** Collected: 07/02/14 12:55 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/15/14 21:43	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/15/14 21:43	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/15/14 21:43	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/15/14 21:43	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/15/14 21:43	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/15/14 21:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/15/14 21:43	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/15/14 21:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/15/14 21:43	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/15/14 21:43	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/15/14 21:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/15/14 21:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/15/14 21:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/15/14 21:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/15/14 21:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/15/14 21:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/15/14 21:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/15/14 21:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/15/14 21:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/15/14 21:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/15/14 21:43	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/15/14 21:43	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/15/14 21:43	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/15/14 21:43	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/15/14 21:43	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/15/14 21:43	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/15/14 21:43	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/15/14 21:43	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/15/14 21:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/15/14 21:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/15/14 21:43	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/15/14 21:43	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	103-65-1	
Styrene	ND	ug/L	5.0	1		07/15/14 21:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/15/14 21:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/15/14 21:43	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/15/14 21:43	127-18-4	
Toluene	ND	ug/L	5.0	1		07/15/14 21:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/15/14 21:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/15/14 21:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/15/14 21:43	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-4 **Lab ID: 50100317004** Collected: 07/02/14 12:55 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/15/14 21:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/15/14 21:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/15/14 21:43	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/15/14 21:43	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/15/14 21:43	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/15/14 21:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/15/14 21:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		07/15/14 21:43	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	80-114	1		07/15/14 21:43	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/15/14 21:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-5 **Lab ID: 50100317005** Collected: 07/02/14 14:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:29	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7440-48-4	
Iron	**1960**	ug/L	100	1	07/08/14 14:55	07/10/14 12:29	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:29	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	83-32-9	
Acenaphthylene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	208-96-8	
Anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	207-08-9	
Benzyl alcohol	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17	59-50-7	
4-Chloroaniline	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 03:17	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	91-58-7	
2-Chlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	7005-72-3	
Chrysene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	53-70-3	
Dibenzofuran	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	120-83-2	
Diethylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	105-67-9	
Dimethylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 03:17	117-81-7	
Fluoranthene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	206-44-0	
Fluorene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 03:17	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-5 **Lab ID: 50100317005** Collected: 07/02/14 14:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17	77-47-4	
Hexachloroethane	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	193-39-5	
Isophorone	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.8	1	07/09/14 13:01	07/10/14 03:17		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 03:17	91-20-3	
2-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	88-74-4	
3-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	99-09-2	
4-Nitroaniline	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	100-01-6	
Nitrobenzene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	98-95-3	
2-Nitrophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	88-75-5	
4-Nitrophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	86-30-6	
Pentachlorophenol	ND	ug/L	52.1	1	07/09/14 13:01	07/10/14 03:17	87-86-5	
Phenanthrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	85-01-8	
Phenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	108-95-2	
Pyrene	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.4	1	07/09/14 13:01	07/10/14 03:17	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	29-126	1	07/09/14 13:01	07/10/14 03:17	4165-60-0	
2-Fluorobiphenyl (S)	85	%.	31-118	1	07/09/14 13:01	07/10/14 03:17	321-60-8	
p-Terphenyl-d14 (S)	58	%.	28-129	1	07/09/14 13:01	07/10/14 03:17	1718-51-0	
Phenol-d5 (S)	20	%.	10-47	1	07/09/14 13:01	07/10/14 03:17	4165-62-2	
2-Fluorophenol (S)	32	%.	10-67	1	07/09/14 13:01	07/10/14 03:17	367-12-4	
2,4,6-Tribromophenol (S)	103	%.	31-161	1	07/09/14 13:01	07/10/14 03:17	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 04:42	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 04:42	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 04:42	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 04:42	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 04:42	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 04:42	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 04:42	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 04:42	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 04:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 04:42	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 04:42	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 04:42	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-5 **Lab ID: 50100317005** Collected: 07/02/14 14:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 04:42	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 04:42	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 04:42	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 04:42	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 04:42	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 04:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 04:42	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 04:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 04:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 04:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 04:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 04:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 04:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 04:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 04:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 04:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 04:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 04:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 04:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 04:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 04:42	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 04:42	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 04:42	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 04:42	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 04:42	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 04:42	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 04:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 04:42	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 04:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 04:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 04:42	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 04:42	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 04:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 04:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 04:42	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 04:42	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 04:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 04:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 04:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 04:42	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-5 **Lab ID: 50100317005** Collected: 07/02/14 14:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 04:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 04:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 04:42	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 04:42	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 04:42	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 04:42	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 04:42	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%.	79-116	1		07/16/14 04:42	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	80-114	1		07/16/14 04:42	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 04:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-6 **Lab ID: 50100317006** Collected: 07/02/14 13:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:32	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7440-48-4	
Iron	**273**	ug/L	100	1	07/08/14 14:55	07/10/14 12:32	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:32	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	83-32-9	
Acenaphthylene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	208-96-8	
Anthracene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	207-08-9	
Benzyl alcohol	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39	59-50-7	
4-Chloroaniline	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.4	1	07/09/14 13:01	07/10/14 03:39	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	91-58-7	
2-Chlorophenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	7005-72-3	
Chrysene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	53-70-3	
Dibenzofuran	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	120-83-2	
Diethylphthalate	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	105-67-9	
Dimethylphthalate	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	534-52-1	
2,4-Dinitrophenol	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.4	1	07/09/14 13:01	07/10/14 03:39	117-81-7	
Fluoranthene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	206-44-0	
Fluorene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.4	1	07/09/14 13:01	07/10/14 03:39	87-68-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-6 **Lab ID: 50100317006** Collected: 07/02/14 13:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39	77-47-4	
Hexachloroethane	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	193-39-5	
Isophorone	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	21.5	1	07/09/14 13:01	07/10/14 03:39		
Naphthalene	ND	ug/L	5.4	1	07/09/14 13:01	07/10/14 03:39	91-20-3	
2-Nitroaniline	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	88-74-4	
3-Nitroaniline	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	99-09-2	
4-Nitroaniline	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	100-01-6	
Nitrobenzene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	98-95-3	
2-Nitrophenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	88-75-5	
4-Nitrophenol	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	86-30-6	
Pentachlorophenol	ND	ug/L	53.8	1	07/09/14 13:01	07/10/14 03:39	87-86-5	
Phenanthrene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	85-01-8	
Phenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	108-95-2	
Pyrene	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.8	1	07/09/14 13:01	07/10/14 03:39	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	83	%.	29-126	1	07/09/14 13:01	07/10/14 03:39	4165-60-0	
2-Fluorobiphenyl (S)	84	%.	31-118	1	07/09/14 13:01	07/10/14 03:39	321-60-8	
p-Terphenyl-d14 (S)	65	%.	28-129	1	07/09/14 13:01	07/10/14 03:39	1718-51-0	
Phenol-d5 (S)	19	%.	10-47	1	07/09/14 13:01	07/10/14 03:39	4165-62-2	
2-Fluorophenol (S)	31	%.	10-67	1	07/09/14 13:01	07/10/14 03:39	367-12-4	
2,4,6-Tribromophenol (S)	95	%.	31-161	1	07/09/14 13:01	07/10/14 03:39	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 05:14	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 05:14	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 05:14	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 05:14	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 05:14	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 05:14	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 05:14	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 05:14	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 05:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 05:14	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 05:14	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 05:14	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-6 **Lab ID: 50100317006** Collected: 07/02/14 13:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 05:14	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 05:14	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 05:14	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 05:14	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 05:14	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 05:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 05:14	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 05:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 05:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 05:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 05:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 05:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:14	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 05:14	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 05:14	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 05:14	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 05:14	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 05:14	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 05:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 05:14	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 05:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 05:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 05:14	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 05:14	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 05:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 05:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 05:14	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 05:14	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 05:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:14	120-82-1	
1,1,1-Trichloroethane	**9.6**	ug/L	5.0	1		07/16/14 05:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 05:14	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-6 **Lab ID: 50100317006** Collected: 07/02/14 13:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 05:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 05:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 05:14	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 05:14	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 05:14	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 05:14	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 05:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%.	79-116	1		07/16/14 05:14	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		07/16/14 05:14	460-00-4	
Toluene-d8 (S)	91	%.	81-110	1		07/16/14 05:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-7 **Lab ID: 50100317007** Collected: 07/02/14 12:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:35	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7440-48-4	
Iron	**911**	ug/L	100	1	07/08/14 14:55	07/10/14 12:35	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:35	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:02	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:02	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:02	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-7 **Lab ID: 50100317007** Collected: 07/02/14 12:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:02		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:02	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:02	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:02	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	89	%.	29-126	1	07/09/14 13:01	07/10/14 04:02	4165-60-0	
2-Fluorobiphenyl (S)	91	%.	31-118	1	07/09/14 13:01	07/10/14 04:02	321-60-8	
p-Terphenyl-d14 (S)	63	%.	28-129	1	07/09/14 13:01	07/10/14 04:02	1718-51-0	
Phenol-d5 (S)	20	%.	10-47	1	07/09/14 13:01	07/10/14 04:02	4165-62-2	
2-Fluorophenol (S)	33	%.	10-67	1	07/09/14 13:01	07/10/14 04:02	367-12-4	
2,4,6-Tribromophenol (S)	101	%.	31-161	1	07/09/14 13:01	07/10/14 04:02	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 05:46	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 05:46	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 05:46	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 05:46	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 05:46	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 05:46	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 05:46	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 05:46	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 05:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 05:46	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 05:46	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 05:46	56-23-5	

REPORT OF LABORATORY ANALYSIS

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7726 Moller Road
Indianapolis, IN 46268
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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-7 **Lab ID: 50100317007** Collected: 07/02/14 12:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 05:46	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 05:46	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 05:46	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 05:46	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 05:46	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 05:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 05:46	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 05:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 05:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 05:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 05:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 05:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 05:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 05:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 05:46	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 05:46	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 05:46	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 05:46	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 05:46	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 05:46	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 05:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 05:46	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 05:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 05:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 05:46	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 05:46	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 05:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 05:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 05:46	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 05:46	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 05:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 05:46	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 05:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 05:46	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-7 **Lab ID: 50100317007** Collected: 07/02/14 12:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 05:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 05:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 05:46	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 05:46	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 05:46	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 05:46	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 05:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		07/16/14 05:46	1868-53-7	
4-Bromofluorobenzene (S)	88	%.	80-114	1		07/16/14 05:46	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 05:46	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-8 **Lab ID: 50100317008** Collected: 07/02/14 14:50 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:38	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7440-48-4	
Iron	**1640**	ug/L	100	1	07/08/14 14:55	07/10/14 12:38	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:38	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:24	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:24	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:24	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-8 **Lab ID: 50100317008** Collected: 07/02/14 14:50 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 04:24		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 04:24	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 04:24	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 04:24	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	72	%.	29-126	1	07/09/14 13:01	07/10/14 04:24	4165-60-0	
2-Fluorobiphenyl (S)	74	%.	31-118	1	07/09/14 13:01	07/10/14 04:24	321-60-8	
p-Terphenyl-d14 (S)	50	%.	28-129	1	07/09/14 13:01	07/10/14 04:24	1718-51-0	
Phenol-d5 (S)	16	%.	10-47	1	07/09/14 13:01	07/10/14 04:24	4165-62-2	
2-Fluorophenol (S)	26	%.	10-67	1	07/09/14 13:01	07/10/14 04:24	367-12-4	
2,4,6-Tribromophenol (S)	83	%.	31-161	1	07/09/14 13:01	07/10/14 04:24	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 06:19	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 06:19	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 06:19	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 06:19	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 06:19	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 06:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 06:19	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 06:19	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 06:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 06:19	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 06:19	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 06:19	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-8 **Lab ID: 50100317008** Collected: 07/02/14 14:50 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 06:19	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 06:19	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 06:19	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 06:19	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 06:19	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 06:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 06:19	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 06:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 06:19	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 06:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 06:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 06:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:19	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 06:19	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 06:19	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 06:19	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 06:19	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 06:19	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 06:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 06:19	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 06:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 06:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 06:19	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 06:19	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 06:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 06:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 06:19	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 06:19	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 06:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 06:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 06:19	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-8 **Lab ID: 50100317008** Collected: 07/02/14 14:50 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 06:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 06:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 06:19	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 06:19	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 06:19	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 06:19	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 06:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		07/16/14 06:19	1868-53-7	
4-Bromofluorobenzene (S)	93	%.	80-114	1		07/16/14 06:19	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 06:19	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-9 **Lab ID: 50100317009** Collected: 07/02/14 11:05 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 12:41	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7440-48-4	
Iron	**911**	ug/L	100	1	07/08/14 14:55	07/10/14 12:41	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 12:41	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	83-32-9	
Acenaphthylene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	208-96-8	
Anthracene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	207-08-9	
Benzyl alcohol	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47	59-50-7	
4-Chloroaniline	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.0	1	07/09/14 13:01	07/10/14 04:47	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	91-58-7	
2-Chlorophenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	7005-72-3	
Chrysene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	53-70-3	
Dibenzofuran	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	120-83-2	
Diethylphthalate	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	105-67-9	
Dimethylphthalate	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	534-52-1	
2,4-Dinitrophenol	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1	07/09/14 13:01	07/10/14 04:47	117-81-7	
Fluoranthene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	206-44-0	
Fluorene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1	07/09/14 13:01	07/10/14 04:47	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-9 **Lab ID: 50100317009** Collected: 07/02/14 11:05 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47	77-47-4	
Hexachloroethane	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	193-39-5	
Isophorone	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.0	1	07/09/14 13:01	07/10/14 04:47		
Naphthalene	ND	ug/L	5.0	1	07/09/14 13:01	07/10/14 04:47	91-20-3	
2-Nitroaniline	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	88-74-4	
3-Nitroaniline	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	99-09-2	
4-Nitroaniline	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	100-01-6	
Nitrobenzene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	98-95-3	
2-Nitrophenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	88-75-5	
4-Nitrophenol	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	86-30-6	
Pentachlorophenol	ND	ug/L	50.0	1	07/09/14 13:01	07/10/14 04:47	87-86-5	
Phenanthrene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	85-01-8	
Phenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	108-95-2	
Pyrene	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.0	1	07/09/14 13:01	07/10/14 04:47	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	82	%.	29-126	1	07/09/14 13:01	07/10/14 04:47	4165-60-0	
2-Fluorobiphenyl (S)	81	%.	31-118	1	07/09/14 13:01	07/10/14 04:47	321-60-8	
p-Terphenyl-d14 (S)	56	%.	28-129	1	07/09/14 13:01	07/10/14 04:47	1718-51-0	
Phenol-d5 (S)	18	%.	10-47	1	07/09/14 13:01	07/10/14 04:47	4165-62-2	
2-Fluorophenol (S)	29	%.	10-67	1	07/09/14 13:01	07/10/14 04:47	367-12-4	
2,4,6-Tribromophenol (S)	92	%.	31-161	1	07/09/14 13:01	07/10/14 04:47	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 06:51	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 06:51	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 06:51	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 06:51	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 06:51	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 06:51	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 06:51	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 06:51	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 06:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 06:51	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 06:51	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 06:51	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-9 **Lab ID: 50100317009** Collected: 07/02/14 11:05 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 06:51	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 06:51	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 06:51	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 06:51	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 06:51	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 06:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 06:51	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 06:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 06:51	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 06:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 06:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 06:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 06:51	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 06:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 06:51	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 06:51	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 06:51	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 06:51	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 06:51	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 06:51	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 06:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 06:51	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 06:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 06:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 06:51	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 06:51	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 06:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 06:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 06:51	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 06:51	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 06:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 06:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 06:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 06:51	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-9 **Lab ID: 50100317009** Collected: 07/02/14 11:05 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 06:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 06:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 06:51	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 06:51	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 06:51	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 06:51	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 06:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		07/16/14 06:51	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	80-114	1		07/16/14 06:51	460-00-4	
Toluene-d8 (S)	89	%.	81-110	1		07/16/14 06:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-10 **Lab ID: 50100317010** Collected: 07/02/14 10:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 13:02	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7440-48-4	
Iron	**711**	ug/L	100	1	07/08/14 14:55	07/10/14 13:02	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:02	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	83-32-9	
Acenaphthylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	208-96-8	
Anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	207-08-9	
Benzyl alcohol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55	59-50-7	
4-Chloroaniline	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 05:55	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	91-58-7	
2-Chlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	7005-72-3	
Chrysene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	53-70-3	
Dibenzofuran	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	120-83-2	
Diethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	105-67-9	
Dimethylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 05:55	117-81-7	
Fluoranthene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	206-44-0	
Fluorene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 05:55	87-68-3	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-10 **Lab ID: 50100317010** Collected: 07/02/14 10:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55	77-47-4	
Hexachloroethane	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	193-39-5	
Isophorone	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.6	1	07/09/14 13:01	07/10/14 05:55		
Naphthalene	ND	ug/L	5.2	1	07/09/14 13:01	07/10/14 05:55	91-20-3	
2-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	88-74-4	
3-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	99-09-2	
4-Nitroaniline	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	100-01-6	
Nitrobenzene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	98-95-3	
2-Nitrophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	88-75-5	
4-Nitrophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	86-30-6	
Pentachlorophenol	ND	ug/L	51.5	1	07/09/14 13:01	07/10/14 05:55	87-86-5	
Phenanthrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	85-01-8	
Phenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	108-95-2	
Pyrene	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.3	1	07/09/14 13:01	07/10/14 05:55	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	90	%.	29-126	1	07/09/14 13:01	07/10/14 05:55	4165-60-0	
2-Fluorobiphenyl (S)	92	%.	31-118	1	07/09/14 13:01	07/10/14 05:55	321-60-8	
p-Terphenyl-d14 (S)	65	%.	28-129	1	07/09/14 13:01	07/10/14 05:55	1718-51-0	
Phenol-d5 (S)	20	%.	10-47	1	07/09/14 13:01	07/10/14 05:55	4165-62-2	
2-Fluorophenol (S)	32	%.	10-67	1	07/09/14 13:01	07/10/14 05:55	367-12-4	
2,4,6-Tribromophenol (S)	99	%.	31-161	1	07/09/14 13:01	07/10/14 05:55	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 08:29	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 08:29	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 08:29	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 08:29	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 08:29	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 08:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 08:29	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 08:29	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 08:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 08:29	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 08:29	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 08:29	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-10 **Lab ID: 50100317010** Collected: 07/02/14 10:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 08:29	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 08:29	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 08:29	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 08:29	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 08:29	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 08:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 08:29	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 08:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 08:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 08:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 08:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 08:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 08:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 08:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 08:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 08:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 08:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 08:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 08:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 08:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 08:29	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 08:29	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 08:29	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 08:29	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 08:29	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 08:29	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 08:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 08:29	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 08:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 08:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 08:29	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 08:29	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 08:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 08:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 08:29	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 08:29	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 08:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 08:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 08:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 08:29	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: TMW-10 **Lab ID: 50100317010** Collected: 07/02/14 10:20 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 08:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 08:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 08:29	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 08:29	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 08:29	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 08:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 08:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		07/16/14 08:29	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		07/16/14 08:29	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 08:29	2037-26-5	

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(317)228-3100

ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW-Dupe **Lab ID: 50100317011** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 13:05	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7440-48-4	
Iron	**287**	ug/L	100	1	07/08/14 14:55	07/10/14 13:05	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:05	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	83-32-9	
Acenaphthylene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	208-96-8	
Anthracene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	207-08-9	
Benzyl alcohol	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18	59-50-7	
4-Chloroaniline	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.3	1	07/09/14 13:01	07/10/14 06:18	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	91-58-7	
2-Chlorophenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	7005-72-3	
Chrysene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	53-70-3	
Dibenzofuran	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	120-83-2	
Diethylphthalate	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	105-67-9	
Dimethylphthalate	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	534-52-1	
2,4-Dinitrophenol	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.3	1	07/09/14 13:01	07/10/14 06:18	117-81-7	
Fluoranthene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	206-44-0	
Fluorene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.3	1	07/09/14 13:01	07/10/14 06:18	87-68-3	

REPORT OF LABORATORY ANALYSIS

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www.pacelabs.com

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Pace Analytical Services, Inc.
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(317)228-3100

ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW-Dupe **Lab ID: 50100317011** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18	77-47-4	
Hexachloroethane	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	193-39-5	
Isophorone	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	21.1	1	07/09/14 13:01	07/10/14 06:18		
Naphthalene	ND	ug/L	5.3	1	07/09/14 13:01	07/10/14 06:18	91-20-3	
2-Nitroaniline	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	88-74-4	
3-Nitroaniline	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	99-09-2	
4-Nitroaniline	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	100-01-6	
Nitrobenzene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	98-95-3	
2-Nitrophenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	88-75-5	
4-Nitrophenol	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	86-30-6	
Pentachlorophenol	ND	ug/L	52.6	1	07/09/14 13:01	07/10/14 06:18	87-86-5	
Phenanthrene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	85-01-8	
Phenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	108-95-2	
Pyrene	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.5	1	07/09/14 13:01	07/10/14 06:18	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	86	%.	29-126	1	07/09/14 13:01	07/10/14 06:18	4165-60-0	
2-Fluorobiphenyl (S)	87	%.	31-118	1	07/09/14 13:01	07/10/14 06:18	321-60-8	
p-Terphenyl-d14 (S)	45	%.	28-129	1	07/09/14 13:01	07/10/14 06:18	1718-51-0	
Phenol-d5 (S)	20	%.	10-47	1	07/09/14 13:01	07/10/14 06:18	4165-62-2	
2-Fluorophenol (S)	32	%.	10-67	1	07/09/14 13:01	07/10/14 06:18	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	31-161	1	07/09/14 13:01	07/10/14 06:18	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 09:01	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 09:01	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 09:01	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 09:01	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 09:01	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 09:01	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 09:01	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 09:01	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 09:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 09:01	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 09:01	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 09:01	56-23-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW-Dupe **Lab ID: 50100317011** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 09:01	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 09:01	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 09:01	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 09:01	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 09:01	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 09:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 09:01	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 09:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 09:01	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 09:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 09:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 09:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:01	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 09:01	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 09:01	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 09:01	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 09:01	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 09:01	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 09:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 09:01	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 09:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 09:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 09:01	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 09:01	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 09:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 09:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 09:01	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 09:01	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 09:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:01	120-82-1	
1,1,1-Trichloroethane	**8.5**	ug/L	5.0	1		07/16/14 09:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 09:01	79-00-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW-Dupe **Lab ID: 50100317011** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 09:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 09:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 09:01	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 09:01	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 09:01	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 09:01	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 09:01	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%.	79-116	1		07/16/14 09:01	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	80-114	1		07/16/14 09:01	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 09:01	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW EQ Blank **Lab ID: 50100317012** Collected: 07/02/14 18:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 13:08	7440-36-0	CU
Arsenic	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7440-38-2	
Chromium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7440-47-3	
Cobalt	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7440-48-4	
Iron	ND	ug/L	100	1	07/08/14 14:55	07/10/14 13:08	7439-89-6	
Lead	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7439-92-1	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:08	7440-28-0	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	83-32-9	
Acenaphthylene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	208-96-8	
Anthracene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	56-55-3	
Benzo(a)pyrene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	207-08-9	
Benzyl alcohol	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	101-55-3	
Butylbenzylphthalate	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40	59-50-7	
4-Chloroaniline	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	7.0	1	07/09/14 13:01	07/10/14 06:40	108-60-1	
2-Chloronaphthalene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	91-58-7	
2-Chlorophenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	7005-72-3	
Chrysene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	53-70-3	
Dibenzofuran	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40	91-94-1	
2,4-Dichlorophenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	120-83-2	
Diethylphthalate	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	84-66-2	
2,4-Dimethylphenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	105-67-9	
Dimethylphthalate	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	131-11-3	
Di-n-butylphthalate	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	534-52-1	
2,4-Dinitrophenol	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	51-28-5	
2,4-Dinitrotoluene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	606-20-2	
Di-n-octylphthalate	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	7.0	1	07/09/14 13:01	07/10/14 06:40	117-81-7	
Fluoranthene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	206-44-0	
Fluorene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	7.0	1	07/09/14 13:01	07/10/14 06:40	87-68-3	

REPORT OF LABORATORY ANALYSIS

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(317)228-3100

ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW EQ Blank **Lab ID: 50100317012** Collected: 07/02/14 18:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Hexachlorobenzene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40	77-47-4	
Hexachloroethane	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	193-39-5	
Isophorone	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	78-59-1	
2-Methylnaphthalene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	28.2	1	07/09/14 13:01	07/10/14 06:40		
Naphthalene	ND	ug/L	7.0	1	07/09/14 13:01	07/10/14 06:40	91-20-3	
2-Nitroaniline	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	88-74-4	
3-Nitroaniline	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	99-09-2	
4-Nitroaniline	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	100-01-6	
Nitrobenzene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	98-95-3	
2-Nitrophenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	88-75-5	
4-Nitrophenol	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	86-30-6	
Pentachlorophenol	ND	ug/L	70.4	1	07/09/14 13:01	07/10/14 06:40	87-86-5	
Phenanthrene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	85-01-8	
Phenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	108-95-2	
Pyrene	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	14.1	1	07/09/14 13:01	07/10/14 06:40	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	81	%.	29-126	1	07/09/14 13:01	07/10/14 06:40	4165-60-0	
2-Fluorobiphenyl (S)	80	%.	31-118	1	07/09/14 13:01	07/10/14 06:40	321-60-8	
p-Terphenyl-d14 (S)	74	%.	28-129	1	07/09/14 13:01	07/10/14 06:40	1718-51-0	
Phenol-d5 (S)	23	%.	10-47	1	07/09/14 13:01	07/10/14 06:40	4165-62-2	
2-Fluorophenol (S)	34	%.	10-67	1	07/09/14 13:01	07/10/14 06:40	367-12-4	
2,4,6-Tribromophenol (S)	89	%.	31-161	1	07/09/14 13:01	07/10/14 06:40	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 09:34	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 09:34	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 09:34	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 09:34	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 09:34	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 09:34	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 09:34	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 09:34	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 09:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 09:34	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 09:34	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 09:34	56-23-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW EQ Blank **Lab ID: 50100317012** Collected: 07/02/14 18:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 09:34	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 09:34	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 09:34	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 09:34	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 09:34	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 09:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 09:34	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 09:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 09:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 09:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 09:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 09:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 09:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 09:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 09:34	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 09:34	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 09:34	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 09:34	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 09:34	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 09:34	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 09:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 09:34	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 09:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 09:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 09:34	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 09:34	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 09:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 09:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 09:34	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 09:34	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 09:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 09:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 09:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 09:34	79-00-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: GW EQ Blank **Lab ID: 50100317012** Collected: 07/02/14 18:30 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Trichloroethene	ND	ug/L	5.0	1		07/16/14 09:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 09:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 09:34	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 09:34	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 09:34	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 09:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 09:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%.	79-116	1		07/16/14 09:34	1868-53-7	
4-Bromofluorobenzene (S)	90	%.	80-114	1		07/16/14 09:34	460-00-4	
Toluene-d8 (S)	92	%.	81-110	1		07/16/14 09:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: Trip Blank **Lab ID: 50100317013** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 10:06	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 10:06	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 10:06	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 10:06	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 10:06	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 10:06	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 10:06	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 10:06	75-25-2	
Bromomethane	ND	ug/L	5.0	1		07/16/14 10:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 10:06	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 10:06	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 10:06	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 10:06	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 10:06	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 10:06	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 10:06	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 10:06	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 10:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 10:06	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 10:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 10:06	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 10:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 10:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 10:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:06	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:06	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 10:06	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 10:06	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 10:06	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 10:06	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 10:06	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 10:06	98-82-8	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: Trip Blank **Lab ID: 50100317013** Collected: 07/02/14 08:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 10:06	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 10:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 10:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 10:06	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 10:06	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 10:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 10:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 10:06	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 10:06	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 10:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 10:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 10:06	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/16/14 10:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 10:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 10:06	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 10:06	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 10:06	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 10:06	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 10:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		07/16/14 10:06	1868-53-7	
4-Bromofluorobenzene (S)	89	%.	80-114	1		07/16/14 10:06	460-00-4	
Toluene-d8 (S)	89	%.	81-110	1		07/16/14 10:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: S-A IDW **Lab ID: 50100317014** Collected: 07/02/14 18:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND	ug/L	6.0	1	07/08/14 14:55	07/10/14 13:14	7440-36-0	CU
Arsenic	**22.5**	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7440-38-2	
Beryllium	ND	ug/L	4.0	1	07/08/14 14:55	07/10/14 13:14	7440-41-7	
Cadmium	ND	ug/L	2.0	1	07/08/14 14:55	07/10/14 13:14	7440-43-9	
Chromium	**72.1**	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7440-47-3	
Copper	**67.7**	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7440-50-8	
Lead	**27.6**	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7439-92-1	
Nickel	**37.5**	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7440-02-0	
Selenium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7782-49-2	
Thallium	ND	ug/L	10.0	1	07/08/14 14:55	07/10/14 13:14	7440-28-0	
Zinc	**200**	ug/L	20.0	1	07/08/14 14:55	07/10/14 13:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470							
Mercury	ND	ug/L	2.0	1	07/09/14 09:48	07/10/14 12:44	7439-97-6	
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	83-32-9	
Acenaphthylene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	208-96-8	
Anthracene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	207-08-9	
Benzyl alcohol	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	101-55-3	
Butylbenzylphthalate	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03	59-50-7	
4-Chloroaniline	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	111-44-4	
bis(2chloro1methylethyl) ether	ND	ug/L	5.1	1	07/09/14 13:01	07/10/14 07:03	108-60-1	
2-Chloronaphthalene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	91-58-7	
2-Chlorophenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	7005-72-3	
Chrysene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	53-70-3	
Dibenzofuran	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	132-64-9	
3,3'-Dichlorobenzidine	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03	91-94-1	
2,4-Dichlorophenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	120-83-2	
Diethylphthalate	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	84-66-2	
2,4-Dimethylphenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	105-67-9	
Dimethylphthalate	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	131-11-3	
Di-n-butylphthalate	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	534-52-1	
2,4-Dinitrophenol	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	51-28-5	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: S-A IDW **Lab ID: 50100317014** Collected: 07/02/14 18:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dinitrotoluene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	606-20-2	
Di-n-octylphthalate	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	117-84-0	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.1	1	07/09/14 13:01	07/10/14 07:03	117-81-7	
Fluoranthene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	206-44-0	
Fluorene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.1	1	07/09/14 13:01	07/10/14 07:03	87-68-3	
Hexachlorobenzene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03	77-47-4	
Hexachloroethane	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	193-39-5	
Isophorone	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	78-59-1	
2-Methylnaphthalene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	20.4	1	07/09/14 13:01	07/10/14 07:03		
Naphthalene	ND	ug/L	5.1	1	07/09/14 13:01	07/10/14 07:03	91-20-3	
2-Nitroaniline	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	88-74-4	
3-Nitroaniline	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	99-09-2	
4-Nitroaniline	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	100-01-6	
Nitrobenzene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	98-95-3	
2-Nitrophenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	88-75-5	
4-Nitrophenol	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	100-02-7	
N-Nitroso-di-n-propylamine	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	86-30-6	
Pentachlorophenol	ND	ug/L	51.0	1	07/09/14 13:01	07/10/14 07:03	87-86-5	
Phenanthrene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	85-01-8	
Phenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	108-95-2	
Pyrene	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	129-00-0	
2,4,5-Trichlorophenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	10.2	1	07/09/14 13:01	07/10/14 07:03	88-06-2	
Surrogates								
Nitrobenzene-d5 (S)	84	%.	29-126	1	07/09/14 13:01	07/10/14 07:03	4165-60-0	
2-Fluorobiphenyl (S)	84	%.	31-118	1	07/09/14 13:01	07/10/14 07:03	321-60-8	
p-Terphenyl-d14 (S)	35	%.	28-129	1	07/09/14 13:01	07/10/14 07:03	1718-51-0	
Phenol-d5 (S)	18	%.	10-47	1	07/09/14 13:01	07/10/14 07:03	4165-62-2	
2-Fluorophenol (S)	29	%.	10-67	1	07/09/14 13:01	07/10/14 07:03	367-12-4	
2,4,6-Tribromophenol (S)	93	%.	31-161	1	07/09/14 13:01	07/10/14 07:03	118-79-6	
8260 MSV	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	1		07/16/14 10:39	67-64-1	
Acrolein	ND	ug/L	50.0	1		07/16/14 10:39	107-02-8	
Acrylonitrile	ND	ug/L	100	1		07/16/14 10:39	107-13-1	
Benzene	ND	ug/L	5.0	1		07/16/14 10:39	71-43-2	
Bromobenzene	ND	ug/L	5.0	1		07/16/14 10:39	108-86-1	
Bromochloromethane	ND	ug/L	5.0	1		07/16/14 10:39	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	1		07/16/14 10:39	75-27-4	
Bromoform	ND	ug/L	5.0	1		07/16/14 10:39	75-25-2	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: S-A IDW **Lab ID: 50100317014** Collected: 07/02/14 18:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Bromomethane	ND	ug/L	5.0	1		07/16/14 10:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	1		07/16/14 10:39	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	98-06-6	
Carbon disulfide	ND	ug/L	10.0	1		07/16/14 10:39	75-15-0	
Carbon tetrachloride	ND	ug/L	5.0	1		07/16/14 10:39	56-23-5	
Chlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	108-90-7	
Chloroethane	ND	ug/L	5.0	1		07/16/14 10:39	75-00-3	
Chloroform	ND	ug/L	5.0	1		07/16/14 10:39	67-66-3	
Chloromethane	ND	ug/L	5.0	1		07/16/14 10:39	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 10:39	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	1		07/16/14 10:39	106-43-4	
Dibromochloromethane	ND	ug/L	5.0	1		07/16/14 10:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	1		07/16/14 10:39	106-93-4	
Dibromomethane	ND	ug/L	5.0	1		07/16/14 10:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	100	1		07/16/14 10:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	5.0	1		07/16/14 10:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/16/14 10:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/16/14 10:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/16/14 10:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	5.0	1		07/16/14 10:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	5.0	1		07/16/14 10:39	10061-02-6	
Ethylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	100-41-4	
Ethyl methacrylate	ND	ug/L	100	1		07/16/14 10:39	97-63-2	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		07/16/14 10:39	87-68-3	
n-Hexane	ND	ug/L	5.0	1		07/16/14 10:39	110-54-3	N2
2-Hexanone	ND	ug/L	25.0	1		07/16/14 10:39	591-78-6	
Iodomethane	ND	ug/L	10.0	1		07/16/14 10:39	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	1		07/16/14 10:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	1		07/16/14 10:39	99-87-6	
Methylene Chloride	ND	ug/L	5.0	1		07/16/14 10:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	1		07/16/14 10:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	4.0	1		07/16/14 10:39	1634-04-4	
Naphthalene	ND	ug/L	5.0	1		07/16/14 10:39	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	103-65-1	
Styrene	ND	ug/L	5.0	1		07/16/14 10:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 10:39	630-20-6	

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ANALYTICAL RESULTS

Project: Sibley - Accucast
Pace Project No.: 50100317

Sample: S-A IDW **Lab ID: 50100317014** Collected: 07/02/14 18:00 Received: 07/03/14 09:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	1		07/16/14 10:39	79-34-5	
Tetrachloroethene	ND	ug/L	5.0	1		07/16/14 10:39	127-18-4	
Toluene	ND	ug/L	5.0	1		07/16/14 10:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	1		07/16/14 10:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/16/14 10:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	1		07/16/14 10:39	79-00-5	
Trichloroethene	ND	ug/L	5.0	1		07/16/14 10:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	1		07/16/14 10:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	1		07/16/14 10:39	96-18-4	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	1		07/16/14 10:39	108-67-8	
Vinyl acetate	ND	ug/L	50.0	1		07/16/14 10:39	108-05-4	
Vinyl chloride	ND	ug/L	2.0	1		07/16/14 10:39	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/16/14 10:39	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%.	79-116	1		07/16/14 10:39	1868-53-7	
4-Bromofluorobenzene (S)	92	%.	80-114	1		07/16/14 10:39	460-00-4	
Toluene-d8 (S)	90	%.	81-110	1		07/16/14 10:39	2037-26-5	
2540D Total Suspended Solids	Analytical Method: SM 2540D							
Total Suspended Solids	**1150**	mg/L	8.3	1		07/09/14 08:11		
5210B cBOD, 5 day	Analytical Method: SM 5210B		Preparation Method: SM 5210B					
Carbonaceous BOD, 5 day	**6.5**	mg/L	2.0	1	07/03/14 15:30	07/08/14 11:21		B2,N2

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: MERP/5539
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Associated Lab Samples: 50100317014

METHOD BLANK: 1124365
Matrix: Water
Associated Lab Samples: 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	2.0	07/10/14 12:01	

LABORATORY CONTROL SAMPLE: 1124366

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.2	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1124367 1124368

Parameter	Units	50100202001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	5	5	5.2	5.1	104	102	75-125	3	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: MPRP/13728 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 50100317001, 50100317002, 50100317003, 50100317004, 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317014

METHOD BLANK: 1123973 Matrix: Water
Associated Lab Samples: 50100317001, 50100317002, 50100317003, 50100317004, 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	6.0	07/10/14 12:07	CU
Arsenic	ug/L	ND	10.0	07/10/14 12:07	
Beryllium	ug/L	ND	4.0	07/10/14 12:07	
Cadmium	ug/L	ND	2.0	07/10/14 12:07	
Chromium	ug/L	ND	10.0	07/10/14 12:07	
Cobalt	ug/L	ND	10.0	07/10/14 12:07	
Copper	ug/L	ND	10.0	07/10/14 12:07	
Iron	ug/L	ND	100	07/10/14 12:07	
Lead	ug/L	ND	10.0	07/10/14 12:07	
Nickel	ug/L	ND	10.0	07/10/14 12:07	
Selenium	ug/L	ND	10.0	07/10/14 12:07	
Thallium	ug/L	ND	10.0	07/10/14 12:07	
Zinc	ug/L	ND	20.0	07/10/14 12:07	

LABORATORY CONTROL SAMPLE: 1123974

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	1000	1010	101	80-120	
Arsenic	ug/L	1000	1010	101	80-120	
Beryllium	ug/L	1000	993	99	80-120	
Cadmium	ug/L	1000	963	96	80-120	
Chromium	ug/L	1000	987	99	80-120	
Cobalt	ug/L	1000	966	97	80-120	
Copper	ug/L	1000	951	95	80-120	
Iron	ug/L	10000	9890	99	80-120	
Lead	ug/L	1000	934	93	80-120	
Nickel	ug/L	1000	977	98	80-120	
Selenium	ug/L	1000	987	99	80-120	
Thallium	ug/L	1000	928	93	80-120	
Zinc	ug/L	1000	981	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1123975 1123976

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	1000	1000	1020	1020	102	102	75-125	1	20	
Arsenic	ug/L	ND	1000	1000	1050	1060	105	106	75-125	1	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1123975 1123976

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Beryllium	ug/L	ND	1000	1000	1010	1020	101	102	75-125	1	20	
Cadmium	ug/L	ND	1000	1000	975	979	98	98	75-125	0	20	
Chromium	ug/L	ND	1000	1000	1000	1000	100	100	75-125	0	20	
Cobalt	ug/L	ND	1000	1000	950	956	95	95	75-125	1	20	
Copper	ug/L	ND	1000	1000	965	968	96	97	75-125	0	20	
Iron	ug/L	911	10000	10000	10900	10800	100	99	75-125	1	20	
Lead	ug/L	ND	1000	1000	909	914	91	91	75-125	1	20	
Nickel	ug/L	ND	1000	1000	967	972	96	97	75-125	1	20	
Selenium	ug/L	ND	1000	1000	1000	1010	100	101	75-125	0	20	
Thallium	ug/L	ND	1000	1000	882	890	88	89	75-125	1	20	
Zinc	ug/L	ND	1000	1000	983	988	97	98	75-125	1	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: MSV/66864 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50100317001, 50100317002, 50100317004

METHOD BLANK: 1128505 Matrix: Water
Associated Lab Samples: 50100317001, 50100317002, 50100317004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,1,1-Trichloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,1-Dichloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,1-Dichloroethene	ug/L	ND	5.0	07/15/14 15:50	
1,1-Dichloropropene	ug/L	ND	5.0	07/15/14 15:50	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
1,2,3-Trichloropropane	ug/L	ND	5.0	07/15/14 15:50	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	07/15/14 15:50	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	07/15/14 15:50	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
1,2-Dichloroethane	ug/L	ND	5.0	07/15/14 15:50	
1,2-Dichloropropane	ug/L	ND	5.0	07/15/14 15:50	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	07/15/14 15:50	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
1,3-Dichloropropane	ug/L	ND	5.0	07/15/14 15:50	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
2,2-Dichloropropane	ug/L	ND	5.0	07/15/14 15:50	
2-Butanone (MEK)	ug/L	ND	25.0	07/15/14 15:50	
2-Chlorotoluene	ug/L	ND	5.0	07/15/14 15:50	
2-Hexanone	ug/L	ND	25.0	07/15/14 15:50	
4-Chlorotoluene	ug/L	ND	5.0	07/15/14 15:50	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	07/15/14 15:50	
Acetone	ug/L	ND	100	07/15/14 15:50	
Acrolein	ug/L	ND	50.0	07/15/14 15:50	
Acrylonitrile	ug/L	ND	100	07/15/14 15:50	
Benzene	ug/L	ND	5.0	07/15/14 15:50	
Bromobenzene	ug/L	ND	5.0	07/15/14 15:50	
Bromochloromethane	ug/L	ND	5.0	07/15/14 15:50	
Bromodichloromethane	ug/L	ND	5.0	07/15/14 15:50	
Bromoform	ug/L	ND	5.0	07/15/14 15:50	
Bromomethane	ug/L	ND	5.0	07/15/14 15:50	
Carbon disulfide	ug/L	ND	10.0	07/15/14 15:50	
Carbon tetrachloride	ug/L	ND	5.0	07/15/14 15:50	
Chlorobenzene	ug/L	ND	5.0	07/15/14 15:50	
Chloroethane	ug/L	ND	5.0	07/15/14 15:50	
Chloroform	ug/L	ND	5.0	07/15/14 15:50	
Chloromethane	ug/L	ND	5.0	07/15/14 15:50	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/15/14 15:50	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

METHOD BLANK: 1128505 Matrix: Water
Associated Lab Samples: 50100317001, 50100317002, 50100317004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/15/14 15:50	
Dibromochloromethane	ug/L	ND	5.0	07/15/14 15:50	
Dibromomethane	ug/L	ND	5.0	07/15/14 15:50	
Dichlorodifluoromethane	ug/L	ND	5.0	07/15/14 15:50	
Ethyl methacrylate	ug/L	ND	100	07/15/14 15:50	
Ethylbenzene	ug/L	ND	5.0	07/15/14 15:50	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/15/14 15:50	
Iodomethane	ug/L	ND	10.0	07/15/14 15:50	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	07/15/14 15:50	
Methyl-tert-butyl ether	ug/L	ND	4.0	07/15/14 15:50	
Methylene Chloride	ug/L	ND	5.0	07/15/14 15:50	
n-Butylbenzene	ug/L	ND	5.0	07/15/14 15:50	
n-Hexane	ug/L	ND	5.0	07/15/14 15:50	N2
n-Propylbenzene	ug/L	ND	5.0	07/15/14 15:50	
Naphthalene	ug/L	ND	5.0	07/15/14 15:50	
p-Isopropyltoluene	ug/L	ND	5.0	07/15/14 15:50	
sec-Butylbenzene	ug/L	ND	5.0	07/15/14 15:50	
Styrene	ug/L	ND	5.0	07/15/14 15:50	
tert-Butylbenzene	ug/L	ND	5.0	07/15/14 15:50	
Tetrachloroethene	ug/L	ND	5.0	07/15/14 15:50	
Toluene	ug/L	ND	5.0	07/15/14 15:50	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/15/14 15:50	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/15/14 15:50	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/15/14 15:50	
Trichloroethene	ug/L	ND	5.0	07/15/14 15:50	
Trichlorofluoromethane	ug/L	ND	5.0	07/15/14 15:50	
Vinyl acetate	ug/L	ND	50.0	07/15/14 15:50	
Vinyl chloride	ug/L	ND	2.0	07/15/14 15:50	
Xylene (Total)	ug/L	ND	10.0	07/15/14 15:50	
4-Bromofluorobenzene (S)	%.	90	80-114	07/15/14 15:50	
Dibromofluoromethane (S)	%.	103	79-116	07/15/14 15:50	
Toluene-d8 (S)	%.	91	81-110	07/15/14 15:50	

LABORATORY CONTROL SAMPLE: 1128506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.6	91	61-135	
1,1,1-Trichloroethane	ug/L	50	39.8	80	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	43.5	87	66-126	
1,1,2-Trichloroethane	ug/L	50	44.8	90	77-130	
1,1-Dichloroethane	ug/L	50	42.6	85	75-130	
1,1-Dichloroethene	ug/L	50	53.5	107	68-127	
1,1-Dichloropropene	ug/L	50	47.3	95	78-130	
1,2,3-Trichlorobenzene	ug/L	50	48.4	97	70-130	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1128506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	45.1	90	58-142	
1,2,4-Trichlorobenzene	ug/L	50	48.8	98	68-131	
1,2,4-Trimethylbenzene	ug/L	50	45.1	90	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	48.4	97	76-125	
1,2-Dichlorobenzene	ug/L	50	51.0	102	75-123	
1,2-Dichloroethane	ug/L	50	42.2	84	75-128	
1,2-Dichloropropane	ug/L	50	44.1	88	74-121	
1,3,5-Trimethylbenzene	ug/L	50	45.3	91	70-126	
1,3-Dichlorobenzene	ug/L	50	51.2	102	74-122	
1,3-Dichloropropane	ug/L	50	44.7	89	74-123	
1,4-Dichlorobenzene	ug/L	50	50.4	101	76-120	
2,2-Dichloropropane	ug/L	50	36.4	73	50-137	
2-Butanone (MEK)	ug/L	250	225	90	58-139	
2-Chlorotoluene	ug/L	50	44.5	89	74-122	
2-Hexanone	ug/L	250	203	81	54-140	
4-Chlorotoluene	ug/L	50	49.8	100	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	208	83	58-138	
Acetone	ug/L	250	251	101	49-150	
Acrolein	ug/L	1000	1220	122	41-200	
Acrylonitrile	ug/L	1000	881	88	63-137	
Benzene	ug/L	50	50.7	101	74-122	
Bromobenzene	ug/L	50	44.7	89	72-127	
Bromochloromethane	ug/L	50	43.3	87	63-132	
Bromodichloromethane	ug/L	50	43.6	87	62-136	
Bromoform	ug/L	50	30.3	61	44-134	
Bromomethane	ug/L	50	74.5	149	22-181	
Carbon disulfide	ug/L	100	109	109	59-132	
Carbon tetrachloride	ug/L	50	40.2	80	56-137	
Chlorobenzene	ug/L	50	50.9	102	78-123	
Chloroethane	ug/L	50	44.1	88	60-144	
Chloroform	ug/L	50	46.8	94	78-126	
Chloromethane	ug/L	50	35.4	71	42-134	
cis-1,2-Dichloroethene	ug/L	50	51.3	103	75-122	
cis-1,3-Dichloropropene	ug/L	50	40.0	80	64-126	
Dibromochloromethane	ug/L	50	44.1	88	58-128	
Dibromomethane	ug/L	50	45.4	91	73-125	
Dichlorodifluoromethane	ug/L	50	48.8	98	35-181	
Ethyl methacrylate	ug/L	200	171	86	69-133	
Ethylbenzene	ug/L	50	46.5	93	66-133	
Hexachloro-1,3-butadiene	ug/L	50	44.7	89	59-145	
Iodomethane	ug/L	100	115	115	21-170	
Isopropylbenzene (Cumene)	ug/L	50	49.9	100	69-124	
Methyl-tert-butyl ether	ug/L	100	81.5	82	69-122	
Methylene Chloride	ug/L	50	50.3	101	68-132	
n-Butylbenzene	ug/L	50	47.8	96	70-126	
n-Hexane	ug/L	50	54.5	109	51-125	N2
n-Propylbenzene	ug/L	50	47.0	94	71-122	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1128506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	45.8	92	68-127	
p-Isopropyltoluene	ug/L	50	46.8	94	72-132	
sec-Butylbenzene	ug/L	50	47.9	96	70-128	
Styrene	ug/L	50	51.8	104	74-126	
tert-Butylbenzene	ug/L	50	38.8	78	51-118	
Tetrachloroethene	ug/L	50	50.7	101	69-130	
Toluene	ug/L	50	48.5	97	72-122	
trans-1,2-Dichloroethene	ug/L	50	49.7	99	72-124	
trans-1,3-Dichloropropene	ug/L	50	37.2	74	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	159	79	56-133	
Trichloroethene	ug/L	50	45.6	91	76-126	
Trichlorofluoromethane	ug/L	50	49.5	99	76-149	
Vinyl acetate	ug/L	200	172	86	45-151	
Vinyl chloride	ug/L	50	45.8	92	59-126	
Xylene (Total)	ug/L	150	147	98	70-124	
4-Bromofluorobenzene (S)	%.			96	80-114	
Dibromofluoromethane (S)	%.			98	79-116	
Toluene-d8 (S)	%.			93	81-110	

MATRIX SPIKE SAMPLE: 1128507

Parameter	Units	50100317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	42.7	85	50-132	
1,1,1-Trichloroethane	ug/L	6.2	50	49.4	86	60-138	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	46.9	94	55-128	
1,1,2-Trichloroethane	ug/L	ND	50	44.7	89	61-139	
1,1-Dichloroethane	ug/L	ND	50	46.5	93	57-147	
1,1-Dichloroethene	ug/L	ND	50	58.5	117	55-145	
1,1-Dichloropropene	ug/L	ND	50	51.6	103	55-147	
1,2,3-Trichlorobenzene	ug/L	ND	50	51.1	102	31-141	
1,2,3-Trichloropropane	ug/L	ND	50	48.4	97	58-133	
1,2,4-Trichlorobenzene	ug/L	ND	50	50.1	100	25-143	
1,2,4-Trimethylbenzene	ug/L	ND	50	48.3	97	18-149	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.4	99	63-129	
1,2-Dichlorobenzene	ug/L	ND	50	53.2	106	38-136	
1,2-Dichloroethane	ug/L	ND	50	45.1	90	62-138	
1,2-Dichloropropane	ug/L	ND	50	47.5	95	59-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	47.3	95	20-147	
1,3-Dichlorobenzene	ug/L	ND	50	52.6	105	28-141	
1,3-Dichloropropane	ug/L	ND	50	46.3	93	62-127	
1,4-Dichlorobenzene	ug/L	ND	50	52.8	106	30-139	
2,2-Dichloropropane	ug/L	ND	50	34.2	68	37-139	
2-Butanone (MEK)	ug/L	ND	250	240	96	37-156	
2-Chlorotoluene	ug/L	ND	50	47.5	95	27-142	
2-Hexanone	ug/L	ND	250	213	85	44-143	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE SAMPLE: 1128507

Parameter	Units	50100317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Chlorotoluene	ug/L	ND	50	51.0	102	27-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	212	85	46-144	
Acetone	ug/L	ND	250	261	104	39-156	
Acrolein	ug/L	ND	1000	1220	122	33-200	
Acrylonitrile	ug/L	ND	1000	939	94	48-149	
Benzene	ug/L	ND	50	55.2	110	62-129	
Bromobenzene	ug/L	ND	50	45.2	90	39-140	
Bromochloromethane	ug/L	ND	50	44.9	90	49-142	
Bromodichloromethane	ug/L	ND	50	43.6	87	50-142	
Bromoform	ug/L	ND	50	28.7	57	36-125	
Bromomethane	ug/L	ND	50	69.3	139	13-179	
Carbon disulfide	ug/L	ND	100	120	120	45-142	
Carbon tetrachloride	ug/L	ND	50	39.5	79	46-142	
Chlorobenzene	ug/L	ND	50	52.3	105	49-136	
Chloroethane	ug/L	ND	50	48.7	97	47-160	
Chloroform	ug/L	ND	50	49.4	99	54-150	
Chloromethane	ug/L	ND	50	37.7	75	30-148	
cis-1,2-Dichloroethene	ug/L	ND	50	54.6	109	60-135	
cis-1,3-Dichloropropene	ug/L	ND	50	38.0	76	52-123	
Dibromochloromethane	ug/L	ND	50	40.6	81	48-125	
Dibromomethane	ug/L	ND	50	46.8	94	59-134	
Dichlorodifluoromethane	ug/L	ND	50	53.6	107	24-197	
Ethyl methacrylate	ug/L	ND	200	177	89	55-139	
Ethylbenzene	ug/L	ND	50	47.4	95	28-153	
Hexachloro-1,3-butadiene	ug/L	ND	50	45.0	90	10-176	
Iodomethane	ug/L	ND	100	121	121	17-157	
Isopropylbenzene (Cumene)	ug/L	ND	50	50.4	101	18-152	
Methyl-tert-butyl ether	ug/L	ND	100	88.4	88	63-130	
Methylene Chloride	ug/L	ND	50	52.7	105	45-156	
n-Butylbenzene	ug/L	ND	50	48.8	98	10-161	
n-Hexane	ug/L	ND	50	52.7	103	33-144	N2
n-Propylbenzene	ug/L	ND	50	49.7	99	16-150	
Naphthalene	ug/L	ND	50	47.6	95	39-140	
p-Isopropyltoluene	ug/L	ND	50	49.1	98	10-163	
sec-Butylbenzene	ug/L	ND	50	51.1	102	10-160	
Styrene	ug/L	ND	50	51.5	103	36-139	
tert-Butylbenzene	ug/L	ND	50	42.4	85	12-134	
Tetrachloroethene	ug/L	ND	50	54.0	105	33-151	
Toluene	ug/L	ND	50	49.6	99	50-132	
trans-1,2-Dichloroethene	ug/L	ND	50	54.0	108	40-153	
trans-1,3-Dichloropropene	ug/L	ND	50	35.5	71	48-122	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	151	75	32-139	
Trichloroethene	ug/L	ND	50	49.8	100	50-143	
Trichlorofluoromethane	ug/L	ND	50	54.9	110	60-175	
Vinyl acetate	ug/L	ND	200	154	77	17-142	
Vinyl chloride	ug/L	ND	50	51.2	102	44-145	
Xylene (Total)	ug/L	ND	150	151	101	29-145	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE SAMPLE: 1128507

Parameter	Units	50100317001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%.				91	80-114	
Dibromofluoromethane (S)	%.				100	79-116	
Toluene-d8 (S)	%.				93	81-110	

SAMPLE DUPLICATE: 1128508

Parameter	Units	50100317002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,1-Trichloroethane	ug/L	ND	3.9J		20	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		20	
1,1,2-Trichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethane	ug/L	ND	ND		20	
1,1-Dichloroethene	ug/L	ND	ND		20	
1,1-Dichloropropene	ug/L	ND	ND		20	
1,2,3-Trichlorobenzene	ug/L	ND	ND		20	
1,2,3-Trichloropropane	ug/L	ND	ND		20	
1,2,4-Trichlorobenzene	ug/L	ND	ND		20	
1,2,4-Trimethylbenzene	ug/L	ND	ND		20	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1,2-Dichlorobenzene	ug/L	ND	ND		20	
1,2-Dichloroethane	ug/L	ND	ND		20	
1,2-Dichloropropane	ug/L	ND	ND		20	
1,3,5-Trimethylbenzene	ug/L	ND	ND		20	
1,3-Dichlorobenzene	ug/L	ND	ND		20	
1,3-Dichloropropane	ug/L	ND	ND		20	
1,4-Dichlorobenzene	ug/L	ND	ND		20	
2,2-Dichloropropane	ug/L	ND	ND		20	
2-Butanone (MEK)	ug/L	ND	ND		20	
2-Chlorotoluene	ug/L	ND	ND		20	
2-Hexanone	ug/L	ND	ND		20	
4-Chlorotoluene	ug/L	ND	ND		20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		20	
Acetone	ug/L	ND	ND		20	
Acrolein	ug/L	ND	ND		20	
Acrylonitrile	ug/L	ND	ND		20	
Benzene	ug/L	ND	ND		20	
Bromobenzene	ug/L	ND	ND		20	
Bromochloromethane	ug/L	ND	ND		20	
Bromodichloromethane	ug/L	ND	ND		20	
Bromoform	ug/L	ND	ND		20	
Bromomethane	ug/L	ND	ND		20	
Carbon disulfide	ug/L	ND	ND		20	
Carbon tetrachloride	ug/L	ND	ND		20	
Chlorobenzene	ug/L	ND	ND		20	
Chloroethane	ug/L	ND	ND		20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

SAMPLE DUPLICATE: 1128508

Parameter	Units	50100317002 Result	Dup Result	RPD	Max RPD	Qualifiers
Chloroform	ug/L	ND	ND		20	
Chloromethane	ug/L	ND	ND		20	
cis-1,2-Dichloroethene	ug/L	ND	ND		20	
cis-1,3-Dichloropropene	ug/L	ND	ND		20	
Dibromochloromethane	ug/L	ND	ND		20	
Dibromomethane	ug/L	ND	ND		20	
Dichlorodifluoromethane	ug/L	ND	ND		20	
Ethyl methacrylate	ug/L	ND	ND		20	
Ethylbenzene	ug/L	ND	ND		20	
Hexachloro-1,3-butadiene	ug/L	ND	ND		20	
Iodomethane	ug/L	ND	ND		20	
Isopropylbenzene (Cumene)	ug/L	ND	ND		20	
Methyl-tert-butyl ether	ug/L	ND	ND		20	
Methylene Chloride	ug/L	ND	ND		20	
n-Butylbenzene	ug/L	ND	ND		20	
n-Hexane	ug/L	ND	ND		20	N2
n-Propylbenzene	ug/L	ND	ND		20	
Naphthalene	ug/L	ND	ND		20	
p-Isopropyltoluene	ug/L	ND	ND		20	
sec-Butylbenzene	ug/L	ND	ND		20	
Styrene	ug/L	ND	ND		20	
tert-Butylbenzene	ug/L	ND	ND		20	
Tetrachloroethene	ug/L	6.6	5.9	11	20	
Toluene	ug/L	ND	ND		20	
trans-1,2-Dichloroethene	ug/L	ND	ND		20	
trans-1,3-Dichloropropene	ug/L	ND	ND		20	
trans-1,4-Dichloro-2-butene	ug/L	ND	ND		20	
Trichloroethene	ug/L	ND	ND		20	
Trichlorofluoromethane	ug/L	ND	ND		20	
Vinyl acetate	ug/L	ND	ND		20	
Vinyl chloride	ug/L	ND	ND		20	
Xylene (Total)	ug/L	ND	ND		20	
4-Bromofluorobenzene (S)	%.	93	94	1		
Dibromofluoromethane (S)	%.	97	99	2		
Toluene-d8 (S)	%.	91	92	1		

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: MSV/66866 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317013, 50100317014

METHOD BLANK: 1128509 Matrix: Water
Associated Lab Samples: 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317013, 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,1,1-Trichloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,1-Dichloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,1-Dichloroethene	ug/L	ND	5.0	07/16/14 03:37	
1,1-Dichloropropene	ug/L	ND	5.0	07/16/14 03:37	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
1,2,3-Trichloropropane	ug/L	ND	5.0	07/16/14 03:37	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	07/16/14 03:37	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	07/16/14 03:37	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
1,2-Dichloroethane	ug/L	ND	5.0	07/16/14 03:37	
1,2-Dichloropropane	ug/L	ND	5.0	07/16/14 03:37	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	07/16/14 03:37	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
1,3-Dichloropropane	ug/L	ND	5.0	07/16/14 03:37	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
2,2-Dichloropropane	ug/L	ND	5.0	07/16/14 03:37	
2-Butanone (MEK)	ug/L	ND	25.0	07/16/14 03:37	
2-Chlorotoluene	ug/L	ND	5.0	07/16/14 03:37	
2-Hexanone	ug/L	ND	25.0	07/16/14 03:37	
4-Chlorotoluene	ug/L	ND	5.0	07/16/14 03:37	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	07/16/14 03:37	
Acetone	ug/L	ND	100	07/16/14 03:37	
Acrolein	ug/L	ND	50.0	07/16/14 03:37	
Acrylonitrile	ug/L	ND	100	07/16/14 03:37	
Benzene	ug/L	ND	5.0	07/16/14 03:37	
Bromobenzene	ug/L	ND	5.0	07/16/14 03:37	
Bromochloromethane	ug/L	ND	5.0	07/16/14 03:37	
Bromodichloromethane	ug/L	ND	5.0	07/16/14 03:37	
Bromoform	ug/L	ND	5.0	07/16/14 03:37	
Bromomethane	ug/L	ND	5.0	07/16/14 03:37	
Carbon disulfide	ug/L	ND	10.0	07/16/14 03:37	
Carbon tetrachloride	ug/L	ND	5.0	07/16/14 03:37	
Chlorobenzene	ug/L	ND	5.0	07/16/14 03:37	
Chloroethane	ug/L	ND	5.0	07/16/14 03:37	
Chloroform	ug/L	ND	5.0	07/16/14 03:37	
Chloromethane	ug/L	ND	5.0	07/16/14 03:37	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

METHOD BLANK: 1128509 Matrix: Water

Associated Lab Samples: 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317013, 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/16/14 03:37	
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/16/14 03:37	
Dibromochloromethane	ug/L	ND	5.0	07/16/14 03:37	
Dibromomethane	ug/L	ND	5.0	07/16/14 03:37	
Dichlorodifluoromethane	ug/L	ND	5.0	07/16/14 03:37	
Ethyl methacrylate	ug/L	ND	100	07/16/14 03:37	
Ethylbenzene	ug/L	ND	5.0	07/16/14 03:37	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/16/14 03:37	
Iodomethane	ug/L	ND	10.0	07/16/14 03:37	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	07/16/14 03:37	
Methyl-tert-butyl ether	ug/L	ND	4.0	07/16/14 03:37	
Methylene Chloride	ug/L	ND	5.0	07/16/14 03:37	
n-Butylbenzene	ug/L	ND	5.0	07/16/14 03:37	
n-Hexane	ug/L	ND	5.0	07/16/14 03:37	N2
n-Propylbenzene	ug/L	ND	5.0	07/16/14 03:37	
Naphthalene	ug/L	ND	5.0	07/16/14 03:37	
p-Isopropyltoluene	ug/L	ND	5.0	07/16/14 03:37	
sec-Butylbenzene	ug/L	ND	5.0	07/16/14 03:37	
Styrene	ug/L	ND	5.0	07/16/14 03:37	
tert-Butylbenzene	ug/L	ND	5.0	07/16/14 03:37	
Tetrachloroethene	ug/L	ND	5.0	07/16/14 03:37	
Toluene	ug/L	ND	5.0	07/16/14 03:37	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/16/14 03:37	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/16/14 03:37	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/16/14 03:37	
Trichloroethene	ug/L	ND	5.0	07/16/14 03:37	
Trichlorofluoromethane	ug/L	ND	5.0	07/16/14 03:37	
Vinyl acetate	ug/L	ND	50.0	07/16/14 03:37	
Vinyl chloride	ug/L	ND	2.0	07/16/14 03:37	
Xylene (Total)	ug/L	ND	10.0	07/16/14 03:37	
4-Bromofluorobenzene (S)	%.	94	80-114	07/16/14 03:37	
Dibromofluoromethane (S)	%.	105	79-116	07/16/14 03:37	
Toluene-d8 (S)	%.	90	81-110	07/16/14 03:37	

LABORATORY CONTROL SAMPLE: 1128510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.5	93	61-135	
1,1,1-Trichloroethane	ug/L	50	42.8	86	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.6	95	66-126	
1,1,2-Trichloroethane	ug/L	50	45.7	91	77-130	
1,1-Dichloroethane	ug/L	50	45.5	91	75-130	
1,1-Dichloroethene	ug/L	50	55.4	111	68-127	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1128510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloropropene	ug/L	50	50.2	100	78-130	
1,2,3-Trichlorobenzene	ug/L	50	52.0	104	70-130	
1,2,3-Trichloropropane	ug/L	50	50.0	100	58-142	
1,2,4-Trichlorobenzene	ug/L	50	51.3	103	68-131	
1,2,4-Trimethylbenzene	ug/L	50	47.1	94	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	51.1	102	76-125	
1,2-Dichlorobenzene	ug/L	50	53.4	107	75-123	
1,2-Dichloroethane	ug/L	50	46.3	93	75-128	
1,2-Dichloropropane	ug/L	50	47.3	95	74-121	
1,3,5-Trimethylbenzene	ug/L	50	47.6	95	70-126	
1,3-Dichlorobenzene	ug/L	50	52.5	105	74-122	
1,3-Dichloropropane	ug/L	50	47.2	94	74-123	
1,4-Dichlorobenzene	ug/L	50	52.1	104	76-120	
2,2-Dichloropropane	ug/L	50	33.3	67	50-137	
2-Butanone (MEK)	ug/L	250	245	98	58-139	
2-Chlorotoluene	ug/L	50	46.1	92	74-122	
2-Hexanone	ug/L	250	218	87	54-140	
4-Chlorotoluene	ug/L	50	51.6	103	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	218	87	58-138	
Acetone	ug/L	250	270	108	49-150	
Acrolein	ug/L	1000	1270	127	41-200	
Acrylonitrile	ug/L	1000	957	96	63-137	
Benzene	ug/L	50	54.0	108	74-122	
Bromobenzene	ug/L	50	47.6	95	72-127	
Bromochloromethane	ug/L	50	45.0	90	63-132	
Bromodichloromethane	ug/L	50	47.0	94	62-136	
Bromoform	ug/L	50	32.6	65	44-134	
Bromomethane	ug/L	50	89.6	179	22-181	
Carbon disulfide	ug/L	100	115	115	59-132	
Carbon tetrachloride	ug/L	50	42.5	85	56-137	
Chlorobenzene	ug/L	50	52.7	105	78-123	
Chloroethane	ug/L	50	46.6	93	60-144	
Chloroform	ug/L	50	49.3	99	78-126	
Chloromethane	ug/L	50	37.3	75	42-134	
cis-1,2-Dichloroethene	ug/L	50	54.5	109	75-122	
cis-1,3-Dichloropropene	ug/L	50	40.3	81	64-126	
Dibromochloromethane	ug/L	50	45.6	91	58-128	
Dibromomethane	ug/L	50	49.1	98	73-125	
Dichlorodifluoromethane	ug/L	50	51.2	102	35-181	
Ethyl methacrylate	ug/L	200	180	90	69-133	
Ethylbenzene	ug/L	50	47.6	95	66-133	
Hexachloro-1,3-butadiene	ug/L	50	45.4	91	59-145	
Iodomethane	ug/L	100	121	121	21-170	
Isopropylbenzene (Cumene)	ug/L	50	51.6	103	69-124	
Methyl-tert-butyl ether	ug/L	100	88.2	88	69-122	
Methylene Chloride	ug/L	50	54.3	109	68-132	
n-Butylbenzene	ug/L	50	47.9	96	70-126	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1128510

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
n-Hexane	ug/L	50	50.4	101	51-125	N2
n-Propylbenzene	ug/L	50	48.8	98	71-122	
Naphthalene	ug/L	50	48.7	97	68-127	
p-Isopropyltoluene	ug/L	50	48.8	98	72-132	
sec-Butylbenzene	ug/L	50	49.6	99	70-128	
Styrene	ug/L	50	52.7	105	74-126	
tert-Butylbenzene	ug/L	50	40.9	82	51-118	
Tetrachloroethene	ug/L	50	51.1	102	69-130	
Toluene	ug/L	50	49.3	99	72-122	
trans-1,2-Dichloroethene	ug/L	50	51.8	104	72-124	
trans-1,3-Dichloropropene	ug/L	50	38.2	76	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	156	78	56-133	
Trichloroethene	ug/L	50	49.0	98	76-126	
Trichlorofluoromethane	ug/L	50	51.8	104	76-149	
Vinyl acetate	ug/L	200	179	90	45-151	
Vinyl chloride	ug/L	50	48.4	97	59-126	
Xylene (Total)	ug/L	150	151	101	70-124	
4-Bromofluorobenzene (S)	%.			95	80-114	
Dibromofluoromethane (S)	%.			104	79-116	
Toluene-d8 (S)	%.			94	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1128511 1128512

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	39.2	44.1	78	88	50-132	12	20	
1,1,1-Trichloroethane	ug/L	ND	50	50	39.5	43.1	77	84	60-138	9	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	43.4	43.7	87	87	55-128	1	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	42.2	43.3	84	87	61-139	3	20	
1,1-Dichloroethane	ug/L	ND	50	50	40.4	44.2	81	88	57-147	9	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.5	56.3	105	113	55-145	7	20	
1,1-Dichloropropene	ug/L	ND	50	50	47.3	49.6	95	99	55-147	5	20	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	46.1	45.6	92	91	31-141	1	20	
1,2,3-Trichloropropane	ug/L	ND	50	50	45.4	45.6	91	91	58-133	0	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	45.1	44.9	90	90	25-143	0	20	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	42.6	44.2	85	88	18-149	4	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	45.5	47.7	91	95	63-129	5	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	47.6	48.9	95	98	38-136	3	20	
1,2-Dichloroethane	ug/L	ND	50	50	41.2	44.1	82	88	62-138	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	43.1	46.1	86	92	59-130	7	20	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	43.1	44.8	86	90	20-147	4	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	47.4	48.3	95	97	28-141	2	20	
1,3-Dichloropropane	ug/L	ND	50	50	43.2	44.9	86	90	62-127	4	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	47.3	48.8	95	98	30-139	3	20	
2,2-Dichloropropane	ug/L	ND	50	50	26.4	29.8	53	60	37-139	12	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1128511 1128512

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	250	250	229	223	92	89	37-156	3	20	
2-Chlorotoluene	ug/L	ND	50	50	42.6	43.8	85	88	27-142	3	20	
2-Hexanone	ug/L	ND	250	250	203	196	81	78	44-143	3	20	
4-Chlorotoluene	ug/L	ND	50	50	46.3	48.5	93	97	27-144	5	20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	250	250	203	197	81	79	46-144	3	20	
Acetone	ug/L	ND	250	250	251	248	100	99	39-156	1	20	
Acrolein	ug/L	ND	1000	1000	1100	1100	110	110	33-200	1	20	
Acrylonitrile	ug/L	ND	1000	1000	891	888	89	89	48-149	0	20	
Benzene	ug/L	ND	50	50	50.0	52.8	100	106	62-129	5	20	
Bromobenzene	ug/L	ND	50	50	41.7	44.2	83	88	39-140	6	20	
Bromochloromethane	ug/L	ND	50	50	42.3	43.8	85	88	49-142	3	20	
Bromodichloromethane	ug/L	ND	50	50	40.5	44.8	81	90	50-142	10	20	
Bromoform	ug/L	ND	50	50	26.1	29.1	52	58	36-125	11	20	
Bromomethane	ug/L	ND	50	50	64.2	86.6	128	173	13-179	30	20	R1
Carbon disulfide	ug/L	ND	100	100	108	116	108	115	45-142	6	20	
Carbon tetrachloride	ug/L	ND	50	50	36.6	42.0	73	84	46-142	14	20	
Chlorobenzene	ug/L	ND	50	50	47.8	49.9	96	100	49-136	4	20	
Chloroethane	ug/L	ND	50	50	43.8	47.0	88	94	47-160	7	20	
Chloroform	ug/L	ND	50	50	45.7	48.2	91	96	54-150	5	20	
Chloromethane	ug/L	ND	50	50	35.5	37.2	71	74	30-148	5	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	49.8	53.1	100	106	60-135	6	20	
cis-1,3-Dichloropropene	ug/L	ND	50	50	33.8	36.8	68	74	52-123	9	20	
Dibromochloromethane	ug/L	ND	50	50	38.1	41.9	76	84	48-125	9	20	
Dibromomethane	ug/L	ND	50	50	44.2	46.1	88	92	59-134	4	20	
Dichlorodifluoromethane	ug/L	ND	50	50	49.5	52.0	99	104	24-197	5	20	
Ethyl methacrylate	ug/L	ND	200	200	163	169	81	84	55-139	4	20	
Ethylbenzene	ug/L	ND	50	50	43.9	46.1	88	92	28-153	5	20	
Hexachloro-1,3-butadiene	ug/L	ND	50	50	39.9	41.1	80	82	10-176	3	20	
Iodomethane	ug/L	ND	100	100	108	125	108	125	17-157	15	20	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	47.0	49.2	94	98	18-152	5	20	
Methyl-tert-butyl ether	ug/L	ND	100	100	78.1	83.4	78	83	63-130	7	20	
Methylene Chloride	ug/L	ND	50	50	49.6	52.1	99	104	45-156	5	20	
n-Butylbenzene	ug/L	ND	50	50	44.3	44.2	89	88	10-161	0	20	
n-Hexane	ug/L	ND	50	50	51.5	53.0	103	106	33-144	3	20	N2
n-Propylbenzene	ug/L	ND	50	50	45.4	45.6	91	91	16-150	1	20	
Naphthalene	ug/L	ND	50	50	43.6	42.9	87	86	39-140	2	20	
p-Isopropyltoluene	ug/L	ND	50	50	44.1	45.5	88	91	10-163	3	20	
sec-Butylbenzene	ug/L	ND	50	50	46.1	47.0	92	94	10-160	2	20	
Styrene	ug/L	ND	50	50	47.0	50.1	94	100	36-139	6	20	
tert-Butylbenzene	ug/L	ND	50	50	37.1	38.7	74	77	12-134	4	20	
Tetrachloroethene	ug/L	ND	50	50	46.9	49.1	94	98	33-151	5	20	
Toluene	ug/L	ND	50	50	45.4	47.5	90	95	50-132	5	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	49.3	52.5	99	105	40-153	6	20	
trans-1,3-Dichloropropene	ug/L	ND	50	50	31.8	35.4	64	71	48-122	11	20	
trans-1,4-Dichloro-2-butene	ug/L	ND	200	200	142	140	71	70	32-139	1	20	
Trichloroethene	ug/L	ND	50	50	45.1	47.4	90	95	50-143	5	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1128511 1128512

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Trichlorofluoromethane	ug/L	ND	50	50	49.9	53.0	100	106	60-175	6	20	
Vinyl acetate	ug/L	ND	200	200	122	133	61	66	17-142	8	20	
Vinyl chloride	ug/L	ND	50	50	46.5	49.0	93	98	44-145	5	20	
Xylene (Total)	ug/L	ND	150	150	137	145	92	97	29-145	5	20	
4-Bromofluorobenzene (S)	%.						92	96	80-114			
Dibromofluoromethane (S)	%.						100	101	79-116			
Toluene-d8 (S)	%.						92	93	81-110			

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: MSV/66975
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 50100317003

METHOD BLANK: 1129940
Matrix: Water
Associated Lab Samples: 50100317003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,1,1-Trichloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,1,2,2-Tetrachloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,1,2-Trichloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,1-Dichloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,1-Dichloroethene	ug/L	ND	5.0	07/16/14 13:52	
1,1-Dichloropropene	ug/L	ND	5.0	07/16/14 13:52	
1,2,3-Trichlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
1,2,3-Trichloropropane	ug/L	ND	5.0	07/16/14 13:52	
1,2,4-Trichlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
1,2,4-Trimethylbenzene	ug/L	ND	5.0	07/16/14 13:52	
1,2-Dibromoethane (EDB)	ug/L	ND	5.0	07/16/14 13:52	
1,2-Dichlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
1,2-Dichloroethane	ug/L	ND	5.0	07/16/14 13:52	
1,2-Dichloropropane	ug/L	ND	5.0	07/16/14 13:52	
1,3,5-Trimethylbenzene	ug/L	ND	5.0	07/16/14 13:52	
1,3-Dichlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
1,3-Dichloropropane	ug/L	ND	5.0	07/16/14 13:52	
1,4-Dichlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
2,2-Dichloropropane	ug/L	ND	5.0	07/16/14 13:52	
2-Butanone (MEK)	ug/L	ND	25.0	07/16/14 13:52	
2-Chlorotoluene	ug/L	ND	5.0	07/16/14 13:52	
2-Hexanone	ug/L	ND	25.0	07/16/14 13:52	
4-Chlorotoluene	ug/L	ND	5.0	07/16/14 13:52	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	25.0	07/16/14 13:52	
Acetone	ug/L	ND	100	07/16/14 13:52	
Acrolein	ug/L	ND	50.0	07/16/14 13:52	
Acrylonitrile	ug/L	ND	100	07/16/14 13:52	
Benzene	ug/L	ND	5.0	07/16/14 13:52	
Bromobenzene	ug/L	ND	5.0	07/16/14 13:52	
Bromochloromethane	ug/L	ND	5.0	07/16/14 13:52	
Bromodichloromethane	ug/L	ND	5.0	07/16/14 13:52	
Bromoform	ug/L	ND	5.0	07/16/14 13:52	
Bromomethane	ug/L	ND	5.0	07/16/14 13:52	
Carbon disulfide	ug/L	ND	10.0	07/16/14 13:52	
Carbon tetrachloride	ug/L	ND	5.0	07/16/14 13:52	
Chlorobenzene	ug/L	ND	5.0	07/16/14 13:52	
Chloroethane	ug/L	ND	5.0	07/16/14 13:52	
Chloroform	ug/L	ND	5.0	07/16/14 13:52	
Chloromethane	ug/L	ND	5.0	07/16/14 13:52	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/16/14 13:52	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

METHOD BLANK: 1129940 Matrix: Water
Associated Lab Samples: 50100317003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	5.0	07/16/14 13:52	
Dibromochloromethane	ug/L	ND	5.0	07/16/14 13:52	
Dibromomethane	ug/L	ND	5.0	07/16/14 13:52	
Dichlorodifluoromethane	ug/L	ND	5.0	07/16/14 13:52	
Ethyl methacrylate	ug/L	ND	100	07/16/14 13:52	
Ethylbenzene	ug/L	ND	5.0	07/16/14 13:52	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/16/14 13:52	
Iodomethane	ug/L	ND	10.0	07/16/14 13:52	
Isopropylbenzene (Cumene)	ug/L	ND	5.0	07/16/14 13:52	
Methyl-tert-butyl ether	ug/L	ND	4.0	07/16/14 13:52	
Methylene Chloride	ug/L	ND	5.0	07/16/14 13:52	
n-Butylbenzene	ug/L	ND	5.0	07/16/14 13:52	
n-Hexane	ug/L	ND	5.0	07/16/14 13:52	
n-Propylbenzene	ug/L	ND	5.0	07/16/14 13:52	
Naphthalene	ug/L	ND	5.0	07/16/14 13:52	
p-Isopropyltoluene	ug/L	ND	5.0	07/16/14 13:52	
sec-Butylbenzene	ug/L	ND	5.0	07/16/14 13:52	
Styrene	ug/L	ND	5.0	07/16/14 13:52	
tert-Butylbenzene	ug/L	ND	5.0	07/16/14 13:52	
Tetrachloroethene	ug/L	ND	5.0	07/16/14 13:52	
Toluene	ug/L	ND	5.0	07/16/14 13:52	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/16/14 13:52	
trans-1,3-Dichloropropene	ug/L	ND	5.0	07/16/14 13:52	
trans-1,4-Dichloro-2-butene	ug/L	ND	100	07/16/14 13:52	
Trichloroethene	ug/L	ND	5.0	07/16/14 13:52	
Trichlorofluoromethane	ug/L	ND	5.0	07/16/14 13:52	
Vinyl acetate	ug/L	ND	50.0	07/16/14 13:52	
Vinyl chloride	ug/L	ND	2.0	07/16/14 13:52	
Xylene (Total)	ug/L	ND	10.0	07/16/14 13:52	
4-Bromofluorobenzene (S)	%.	97	80-114	07/16/14 13:52	
Dibromofluoromethane (S)	%.	95	79-116	07/16/14 13:52	
Toluene-d8 (S)	%.	102	81-110	07/16/14 13:52	

LABORATORY CONTROL SAMPLE: 1129941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.9	96	61-135	
1,1,1-Trichloroethane	ug/L	50	43.7	87	71-129	
1,1,2,2-Tetrachloroethane	ug/L	50	53.8	108	66-126	
1,1,2-Trichloroethane	ug/L	50	52.4	105	77-130	
1,1-Dichloroethane	ug/L	50	57.9	116	75-130	
1,1-Dichloroethene	ug/L	50	54.3	109	68-127	
1,1-Dichloropropene	ug/L	50	51.2	102	78-130	
1,2,3-Trichlorobenzene	ug/L	50	55.7	111	70-130	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1129941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichloropropane	ug/L	50	51.5	103	58-142	
1,2,4-Trichlorobenzene	ug/L	50	53.3	107	68-131	
1,2,4-Trimethylbenzene	ug/L	50	51.1	102	69-127	
1,2-Dibromoethane (EDB)	ug/L	50	59.2	118	76-125	
1,2-Dichlorobenzene	ug/L	50	52.0	104	75-123	
1,2-Dichloroethane	ug/L	50	52.0	104	75-128	
1,2-Dichloropropane	ug/L	50	51.8	104	74-121	
1,3,5-Trimethylbenzene	ug/L	50	52.7	105	70-126	
1,3-Dichlorobenzene	ug/L	50	49.5	99	74-122	
1,3-Dichloropropane	ug/L	50	52.2	104	74-123	
1,4-Dichlorobenzene	ug/L	50	49.3	99	76-120	
2,2-Dichloropropane	ug/L	50	41.2	82	50-137	
2-Butanone (MEK)	ug/L	250	282	113	58-139	
2-Chlorotoluene	ug/L	50	49.6	99	74-122	
2-Hexanone	ug/L	250	314	126	54-140	
4-Chlorotoluene	ug/L	50	51.1	102	77-123	
4-Methyl-2-pentanone (MIBK)	ug/L	250	296	118	58-138	
Acetone	ug/L	250	376	150	49-150	
Acrolein	ug/L	1000	1480	148	41-200	
Acrylonitrile	ug/L	1000	1190	119	63-137	
Benzene	ug/L	50	52.0	104	74-122	
Bromobenzene	ug/L	50	52.0	104	72-127	
Bromochloromethane	ug/L	50	48.7	97	63-132	
Bromodichloromethane	ug/L	50	45.6	91	62-136	
Bromoform	ug/L	50	47.7	95	44-134	
Bromomethane	ug/L	50	58.9	118	22-181	
Carbon disulfide	ug/L	100	114	114	59-132	
Carbon tetrachloride	ug/L	50	46.8	94	56-137	
Chlorobenzene	ug/L	50	50.9	102	78-123	
Chloroethane	ug/L	50	68.0	136	60-144	
Chloroform	ug/L	50	51.6	103	78-126	
Chloromethane	ug/L	50	53.2	106	42-134	
cis-1,2-Dichloroethene	ug/L	50	45.8	92	75-122	
cis-1,3-Dichloropropene	ug/L	50	47.7	95	64-126	
Dibromochloromethane	ug/L	50	42.2	84	58-128	
Dibromomethane	ug/L	50	51.1	102	73-125	
Dichlorodifluoromethane	ug/L	50	51.0	102	35-181	
Ethyl methacrylate	ug/L	200	211	106	69-133	
Ethylbenzene	ug/L	50	51.7	103	66-133	
Hexachloro-1,3-butadiene	ug/L	50	45.9	92	59-145	
Iodomethane	ug/L	100	119	119	21-170	
Isopropylbenzene (Cumene)	ug/L	50	56.3	113	69-124	
Methyl-tert-butyl ether	ug/L	100	108	108	69-122	
Methylene Chloride	ug/L	50	53.5	107	68-132	
n-Butylbenzene	ug/L	50	54.8	110	70-126	
n-Hexane	ug/L	50	53.0	106	51-125	
n-Propylbenzene	ug/L	50	52.4	105	71-122	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1129941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	50	57.4	115	68-127	
p-Isopropyltoluene	ug/L	50	52.3	105	72-132	
sec-Butylbenzene	ug/L	50	53.9	108	70-128	
Styrene	ug/L	50	56.1	112	74-126	
tert-Butylbenzene	ug/L	50	48.8	98	51-118	
Tetrachloroethene	ug/L	50	48.8	98	69-130	
Toluene	ug/L	50	51.4	103	72-122	
trans-1,2-Dichloroethene	ug/L	50	54.2	108	72-124	
trans-1,3-Dichloropropene	ug/L	50	48.0	96	64-121	
trans-1,4-Dichloro-2-butene	ug/L	200	211	106	56-133	
Trichloroethene	ug/L	50	46.2	92	76-126	
Trichlorofluoromethane	ug/L	50	50.8	102	76-149	
Vinyl acetate	ug/L	200	243	122	45-151	
Vinyl chloride	ug/L	50	55.0	110	59-126	
Xylene (Total)	ug/L	150	164	109	70-124	
4-Bromofluorobenzene (S)	%.			103	80-114	
Dibromofluoromethane (S)	%.			99	79-116	
Toluene-d8 (S)	%.			101	81-110	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: OEXT/36361 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV
Associated Lab Samples: 50100317001, 50100317002, 50100317003, 50100317004, 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317014

METHOD BLANK: 1124628 Matrix: Water
Associated Lab Samples: 50100317001, 50100317002, 50100317003, 50100317004, 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
2,4,5-Trichlorophenol	ug/L	ND	10.0	07/10/14 01:01	
2,4,6-Trichlorophenol	ug/L	ND	10.0	07/10/14 01:01	
2,4-Dichlorophenol	ug/L	ND	10.0	07/10/14 01:01	
2,4-Dimethylphenol	ug/L	ND	10.0	07/10/14 01:01	
2,4-Dinitrophenol	ug/L	ND	50.0	07/10/14 01:01	
2,4-Dinitrotoluene	ug/L	ND	10.0	07/10/14 01:01	
2,6-Dinitrotoluene	ug/L	ND	10.0	07/10/14 01:01	
2-Chloronaphthalene	ug/L	ND	10.0	07/10/14 01:01	
2-Chlorophenol	ug/L	ND	10.0	07/10/14 01:01	
2-Methylnaphthalene	ug/L	ND	10.0	07/10/14 01:01	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	07/10/14 01:01	
2-Nitroaniline	ug/L	ND	50.0	07/10/14 01:01	
2-Nitrophenol	ug/L	ND	10.0	07/10/14 01:01	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	20.0	07/10/14 01:01	
3,3'-Dichlorobenzidine	ug/L	ND	20.0	07/10/14 01:01	
3-Nitroaniline	ug/L	ND	50.0	07/10/14 01:01	
4,6-Dinitro-2-methylphenol	ug/L	ND	50.0	07/10/14 01:01	
4-Bromophenylphenyl ether	ug/L	ND	10.0	07/10/14 01:01	
4-Chloro-3-methylphenol	ug/L	ND	20.0	07/10/14 01:01	
4-Chloroaniline	ug/L	ND	20.0	07/10/14 01:01	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	07/10/14 01:01	
4-Nitroaniline	ug/L	ND	50.0	07/10/14 01:01	
4-Nitrophenol	ug/L	ND	50.0	07/10/14 01:01	
Acenaphthene	ug/L	ND	10.0	07/10/14 01:01	
Acenaphthylene	ug/L	ND	10.0	07/10/14 01:01	
Anthracene	ug/L	ND	10.0	07/10/14 01:01	
Benzo(a)anthracene	ug/L	ND	10.0	07/10/14 01:01	
Benzo(a)pyrene	ug/L	ND	10.0	07/10/14 01:01	
Benzo(b)fluoranthene	ug/L	ND	10.0	07/10/14 01:01	
Benzo(g,h,i)perylene	ug/L	ND	10.0	07/10/14 01:01	
Benzo(k)fluoranthene	ug/L	ND	10.0	07/10/14 01:01	
Benzyl alcohol	ug/L	ND	20.0	07/10/14 01:01	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	07/10/14 01:01	
bis(2-Chloroethyl) ether	ug/L	ND	10.0	07/10/14 01:01	
bis(2-Ethylhexyl)phthalate	ug/L	ND	5.0	07/10/14 01:01	
bis(2chloro1methylethyl) ether	ug/L	ND	5.0	07/10/14 01:01	
Butylbenzylphthalate	ug/L	ND	10.0	07/10/14 01:01	
Chrysene	ug/L	ND	10.0	07/10/14 01:01	
Di-n-butylphthalate	ug/L	ND	10.0	07/10/14 01:01	
Di-n-octylphthalate	ug/L	ND	10.0	07/10/14 01:01	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

METHOD BLANK: 1124628 Matrix: Water

Associated Lab Samples: 50100317001, 50100317002, 50100317003, 50100317004, 50100317005, 50100317006, 50100317007, 50100317008, 50100317009, 50100317010, 50100317011, 50100317012, 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibenz(a,h)anthracene	ug/L	ND	10.0	07/10/14 01:01	
Dibenzofuran	ug/L	ND	10.0	07/10/14 01:01	
Diethylphthalate	ug/L	ND	10.0	07/10/14 01:01	
Dimethylphthalate	ug/L	ND	10.0	07/10/14 01:01	
Fluoranthene	ug/L	ND	10.0	07/10/14 01:01	
Fluorene	ug/L	ND	10.0	07/10/14 01:01	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	07/10/14 01:01	
Hexachlorobenzene	ug/L	ND	10.0	07/10/14 01:01	
Hexachlorocyclopentadiene	ug/L	ND	20.0	07/10/14 01:01	
Hexachloroethane	ug/L	ND	10.0	07/10/14 01:01	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	07/10/14 01:01	
Isophorone	ug/L	ND	10.0	07/10/14 01:01	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	07/10/14 01:01	
N-Nitrosodiphenylamine	ug/L	ND	10.0	07/10/14 01:01	
Naphthalene	ug/L	ND	5.0	07/10/14 01:01	
Nitrobenzene	ug/L	ND	10.0	07/10/14 01:01	
Pentachlorophenol	ug/L	ND	50.0	07/10/14 01:01	
Phenanthrene	ug/L	ND	10.0	07/10/14 01:01	
Phenol	ug/L	ND	10.0	07/10/14 01:01	
Pyrene	ug/L	ND	10.0	07/10/14 01:01	
2,4,6-Tribromophenol (S)	%.	98	31-161	07/10/14 01:01	
2-Fluorobiphenyl (S)	%.	91	31-118	07/10/14 01:01	
2-Fluorophenol (S)	%.	31	10-67	07/10/14 01:01	
Nitrobenzene-d5 (S)	%.	89	29-126	07/10/14 01:01	
p-Terphenyl-d14 (S)	%.	92	28-129	07/10/14 01:01	
Phenol-d5 (S)	%.	19	10-47	07/10/14 01:01	

LABORATORY CONTROL SAMPLE: 1124629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4-Dinitrotoluene	ug/L	100	95.1	95	36-126	
2-Chlorophenol	ug/L	100	60.2	60	40-98	
2-Methylnaphthalene	ug/L	100	84.0	84	36-111	
4-Chloro-3-methylphenol	ug/L	100	71.5	71	43-113	
4-Nitrophenol	ug/L	100	ND	24	10-42	
Acenaphthene	ug/L	100	91.3	91	45-119	
Acenaphthylene	ug/L	100	90.0	90	46-120	
Anthracene	ug/L	100	92.2	92	50-129	
Benzo(a)anthracene	ug/L	100	78.6	79	54-126	
Benzo(a)pyrene	ug/L	100	75.8	76	59-129	
Benzo(b)fluoranthene	ug/L	100	69.1	69	53-127	
Benzo(g,h,i)perylene	ug/L	100	72.0	72	53-125	
Benzo(k)fluoranthene	ug/L	100	76.3	76	54-125	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

LABORATORY CONTROL SAMPLE: 1124629

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/L	100	78.6	79	51-123	
Dibenz(a,h)anthracene	ug/L	100	73.7	74	52-125	
Fluoranthene	ug/L	100	85.6	86	51-127	
Fluorene	ug/L	100	105	105	46-124	
Indeno(1,2,3-cd)pyrene	ug/L	100	72.6	73	54-125	
N-Nitroso-di-n-propylamine	ug/L	100	91.5	91	43-120	
Naphthalene	ug/L	100	80.1	80	39-108	
Pentachlorophenol	ug/L	100	71.9	72	31-125	
Phenanthrene	ug/L	100	95.6	96	49-124	
Phenol	ug/L	100	19.7	20	10-37	
Pyrene	ug/L	100	83.8	84	51-127	
2,4,6-Tribromophenol (S)	%.			102	31-161	
2-Fluorobiphenyl (S)	%.			88	31-118	
2-Fluorophenol (S)	%.			30	10-67	
Nitrobenzene-d5 (S)	%.			84	29-126	
p-Terphenyl-d14 (S)	%.			77	28-129	
Phenol-d5 (S)	%.			20	10-47	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1124630 1124631

Parameter	Units	50100317009 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/L	ND	200	200	195	190	98	95	34-124	3	20	
2-Chlorophenol	ug/L	ND	200	200	155	144	78	72	34-106	8	20	
2-Methylnaphthalene	ug/L	ND	200	200	174	159	87	80	31-117	9	20	
4-Chloro-3-methylphenol	ug/L	ND	200	200	171	164	85	82	41-116	4	20	
4-Nitrophenol	ug/L	ND	200	200	ND	ND	44	48	10-78		20	
Acenaphthene	ug/L	ND	200	200	190	176	95	88	37-122	8	20	
Acenaphthylene	ug/L	ND	200	200	189	174	95	87	36-125	8	20	
Anthracene	ug/L	ND	200	200	184	178	92	89	42-130	3	20	
Benzo(a)anthracene	ug/L	ND	200	200	165	168	83	84	43-127	2	20	
Benzo(a)pyrene	ug/L	ND	200	200	160	165	80	83	54-111	3	20	
Benzo(b)fluoranthene	ug/L	ND	200	200	145	145	72	73	40-129	1	20	
Benzo(g,h,i)perylene	ug/L	ND	200	200	153	157	77	78	40-130	2	20	
Benzo(k)fluoranthene	ug/L	ND	200	200	162	173	81	87	45-128	7	20	
Chrysene	ug/L	ND	200	200	168	171	84	86	40-123	2	20	
Dibenz(a,h)anthracene	ug/L	ND	200	200	157	163	79	81	40-130	3	20	
Fluoranthene	ug/L	ND	200	200	169	167	85	83	40-131	2	20	
Fluorene	ug/L	ND	200	200	216	203	108	101	34-130	6	20	
Indeno(1,2,3-cd)pyrene	ug/L	ND	200	200	154	159	77	79	41-130	3	20	
N-Nitroso-di-n-propylamine	ug/L	ND	200	200	197	179	98	90	40-115	9	20	
Naphthalene	ug/L	ND	200	200	167	152	84	76	31-113	10	20	
Pentachlorophenol	ug/L	ND	200	200	165	152	82	76	30-128	8	20	
Phenanthrene	ug/L	ND	200	200	194	186	97	93	42-126	4	20	
Phenol	ug/L	ND	200	200	76.0	81.1	38	41	10-65	6	20	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1124630 1124631

Parameter	Units	50100317009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pyrene	ug/L	ND	200	200	165	164	83	82	38-131	1	20	
2,4,6-Tribromophenol (S)	%.						107	99	31-161			
2-Fluorobiphenyl (S)	%.						93	85	31-118			
2-Fluorophenol (S)	%.						51	52	10-67			
Nitrobenzene-d5 (S)	%.						89	82	29-126			
p-Terphenyl-d14 (S)	%.						79	85	28-129			
Phenol-d5 (S)	%.						38	41	10-47			

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: WET/16578
QC Batch Method: SM 2540D
Analysis Method: SM 2540D
Analysis Description: 2540D Total Suspended Solids
Associated Lab Samples: 50100317014

METHOD BLANK: 1124622
Matrix: Water
Associated Lab Samples: 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	5.0	07/09/14 08:11	

LABORATORY CONTROL SAMPLE: 1124625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	100	91	91	80-120	

SAMPLE DUPLICATE: 1124623

Parameter	Units	50100305005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	ND	4J		10	

SAMPLE DUPLICATE: 1124624

Parameter	Units	50100312002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	43	42	2	10	

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QUALITY CONTROL DATA

Project: Sibley - Accucast
Pace Project No.: 50100317

QC Batch: WET/16526
QC Batch Method: SM 5210B
Analysis Method: SM 5210B
Analysis Description: 5210B cBOD, 5 day
Associated Lab Samples: 50100317014

METHOD BLANK: 1122818 Matrix: Water
Associated Lab Samples: 50100317014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbonaceous BOD, 5 day	mg/L	ND	2.0	07/08/14 11:21	N2

LABORATORY CONTROL SAMPLE: 1122820

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbonaceous BOD, 5 day	mg/L	198	147	74	85-115	B4,N2

SAMPLE DUPLICATE: 1123012

Parameter	Units	50100317014 Result	Dup Result	RPD	Max RPD	Qualifiers
Carbonaceous BOD, 5 day	mg/L	6.5	4.8	30	20	B2,N2,R1

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QUALIFIERS

Project: Sibley - Accucast
Pace Project No.: 50100317

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.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B2	Oxygen usage is less than 2.0 for all dilutions set. The reported value is an estimated less than value and is calculated for the dilution using the most amount of sample.
B4	The glucose/glutamic acid standard exceeded the range of 198 plus or minus 30.5 mg/L.
CU	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Sibley - Accucast
Pace Project No.: 50100317

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50100317001	**TMW-1**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317002	**TMW-2**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317003	**TMW-3**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317004	**TMW-4**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317005	**TMW-5**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317006	**TMW-6**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317007	**TMW-7**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317008	**TMW-8**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317009	**TMW-9**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317010	**TMW-10**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317011	**GW-Dupe**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317012	**GW EQ Blank**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317014	**S-A IDW**	EPA 3010	MPRP/13728	EPA 6010	ICP/16086
50100317014	**S-A IDW**	EPA 7470	MERP/5539	EPA 7470	MERC/6084
50100317001	**TMW-1**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317002	**TMW-2**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317003	**TMW-3**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317004	**TMW-4**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317005	**TMW-5**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317006	**TMW-6**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317007	**TMW-7**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317008	**TMW-8**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317009	**TMW-9**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317010	**TMW-10**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317011	**GW-Dupe**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317012	**GW EQ Blank**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317014	**S-A IDW**	EPA 3510	OEXT/36361	EPA 8270	MSSV/15691
50100317001	**TMW-1**	EPA 8260	MSV/66864		
50100317002	**TMW-2**	EPA 8260	MSV/66864		
50100317003	**TMW-3**	EPA 8260	MSV/66975		
50100317004	**TMW-4**	EPA 8260	MSV/66864		
50100317005	**TMW-5**	EPA 8260	MSV/66866		
50100317006	**TMW-6**	EPA 8260	MSV/66866		
50100317007	**TMW-7**	EPA 8260	MSV/66866		
50100317008	**TMW-8**	EPA 8260	MSV/66866		
50100317009	**TMW-9**	EPA 8260	MSV/66866		
50100317010	**TMW-10**	EPA 8260	MSV/66866		
50100317011	**GW-Dupe**	EPA 8260	MSV/66866		
50100317012	**GW EQ Blank**	EPA 8260	MSV/66866		
50100317013	**Trip Blank**	EPA 8260	MSV/66866		
50100317014	**S-A IDW**	EPA 8260	MSV/66866		
50100317014	**S-A IDW**	SM 2540D	WET/16578		
50100317014	**S-A IDW**	SM 5210B	WET/16526	SM 5210B	WET/16562

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

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

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VTMS

Page: 1 of 2

1803902

Section A Required Client Information:
Company: Weaver Boos Consultants
Address: 7121 Grape Road
Mishawaka, IN 46530
Email To: sstamford@weaverboos.com
Phone: 574-271-3947 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 Cobble
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	RCLA 8 Metals	Hex Cr (see notes)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TMW-1	WT				7/2	15:25		7	X		X	X	X				X	X	X			-001
2	TMW-2	WT				7/2	16:20		7	X		X	X	X				X	X	X			-002
3	TMW-3	WT				7/2	17:30		7	X		X	X	X				X	X	X			-003
4	TMW-4	WT				7/2	12:65		7	X		X	X	X				X	X	X			-004
5	TMW-5	WT				7/2	14:00		7	X		X	X	X				X	X	X			-005
6	TMW-6	WT				7/2	13:30		7	X		X	X	X				X	X	X			-006
7	TMW-7	WT				7/2	12:30		7	X		X	X	X				X	X	X			-007
8	TMW-8	WT				7/2	14:50		7	X		X	X	X				X	X	X			-008
9	TMW-9	WT				7/2	11:05		7	X		X	X	X				X	X	X			-009
10	TMW-10	WT				7/2	10:20		7	X		X	X	X				X	X	X			-010
11	TMW-9 MS	WT				7/2	11:05		7	X		X	X	X				X	X	X			-009
12	TMW-9 MSD	WT				7/2	11:05		7	X		X	X	X				X	X	X			-009

NOTES: See Hex Cr

50100317
Pace Project No./ Lab I.D.

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Please HOLD Hex Cr samples until Steve Stamford picks the ones to analyze.	Alex Huang / Weaver Boos	7/2	17:15		7-3-14	0915	4.6°C Y Y Y 1.9°C 1.0°C 2.3°C 2.6°C

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alex Huang
SIGNATURE of SAMPLER: Alex Huang
DATE Signed (MM/DD/YY): 07/02/14

*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

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

1803903

Section A Required Client Information:

Company: Weaver Boos Consultants
Address: 7121 Grape Road
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	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	RCRA 8 Metals	Hex Cr (See notes)	Extra Metals	TSS	CBOD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	GW - Dupe	WT				7/2			7	X		X	X	X					X	X	X						5010857-011
2	GW EQ Blank	WT				7/2	18:30		7	X		X	X	X					X	X	X						-012
3	Trip Blank	WT				7/2			3				X						X								-013
4	S-A JDW	WT				7/2	18:00		7	X		X	X						X	X	X		X	X	X			-014
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

Requested Analysis Filtered (Y/N)

Pace Project No./ Lab I.D.: 5010857

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Please HOLD Hex Cr Samples. For S-A JDW	Alex Huang/Weaver Boos	7/2	17:15		7-3-14	0915	4.6°C Y Y Y
Samples please consult Pace Project # 5084155							1.9°C 1.0°C 2.3°C 2.6°C

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

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Alex Huang
SIGNATURE of SAMPLER: Alex Huang
DATE Signed (MM/DD/YY): 07/02/14

ORIGINAL

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

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

Sample Condition Upon Receipt

Pace Analytical

Client Name: Weaver Boos Project # 5010037

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

Tracking #: 805551445163

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

Date/Time 5035A kits placed in freezer: _____

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

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

Cooler Temperature (Corrected, if applicable): 4.6, 1.9, 1.0, 2.3, 2.6 Ice Visible in Sample Containers: ☐ yes ☑ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: CP 7-3-14

		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 CP 7-3-14 ☐N/A	5. CBOD
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.
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. 1 TMW-6
Trip Blank Present:	☑Yes ☐No ☐N/A	11.
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: Steve Stanford. Date/Time: 14:17 7-3-14

Comments/ Resolution:

Sb, Co, As, Fe, Cr, Pb, Se, Tl not RCRA.

Project Manager Review: _____ **Date:** 7-3-14

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

Sample Container Count

CLIENT: Weaver Boos

COC PAGE 1 of 2
COC ID# 1803902

Project # 50100317

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	3	2								1					1						
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

91 of 122

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# 1803903

Project # S0140574

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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	3	2								1					1						
2	3	2								1					1						
3	3																				
4	3	3								1											
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
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MV2A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1129940	1129940BLANK	97	95	102
1129941	1129941LCS	103	99	101
50100317003	TMW-3	96	100	101

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(80-114)
(DIBF) = Dibromofluoromethane (S)	(79-116)
(TOL8) = Toluene-d8 (S)	(81-110)

* Values outside of QC Limits

MSV - FORM II VOA-1
WATER VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MV4A

LAB SAMPLE ID	SAMPLE NAME	BFB	DIBF	TOL8
1128505	1128505BLANK	90	103	91
1128506	1128506LCS	96	98	93
1128507	1128507MS	91	100	93
1128508	1128508DUP	94	99	92
1128509	1128509BLANK	94	105	90
1128510	1128510LCS	95	104	94
1128511	1128511MS	92	100	92
1128512	1128512MSD	96	101	93
50100317001	TMW-1	88	106	89
50100317002	TMW-2	93	97	91
50100317004	TMW-4	89	101	90
50100317005	TMW-5	90	98	90
50100317006	TMW-6	92	104	91
50100317007	TMW-7	88	99	90
50100317008	TMW-8	93	100	90
50100317009	TMW-9	89	101	89
50100317010	TMW-10	92	100	90
50100317011	GW-Dupe	90	103	90
50100317012	GW EQ Blank	90	101	92
50100317013	Trip Blank	89	99	89
50100317014	S-A IDW	92	100	90

	QC LIMITS
(BFB) = 4-Bromofluorobenzene (S)	(80-114)
(DIBF) = Dibromofluoromethane (S)	(79-116)
(TOL8) = Toluene-d8 (S)	(81-110)

* Values outside of QC Limits

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1128506LCS
Date Extracted: 07/15/2014
Date Analyzed (1): 07/15/2014
Instrument: 50MV4A
LCS Lot No: 72167
Lab File ID: A071514.B\A02LCS.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	251	101	49-150
Acrolein	1000	1220	122	41-200
Acrylonitrile	1000	881	88	63-137
Benzene	50.0	50.7	101	74-122
Bromobenzene	50.0	44.7	89	72-127
Bromochloromethane	50.0	43.3	87	63-132
Bromodichloromethane	50.0	43.6	87	62-136
Bromoform	50.0	30.3	61	44-134
Bromomethane	50.0	74.5	149	22-181
2-Butanone (MEK)	250	225	90	58-139
n-Butylbenzene	50.0	47.8	96	70-126
sec-Butylbenzene	50.0	47.9	96	70-128
tert-Butylbenzene	50.0	38.8	78	51-118
Carbon disulfide	100	109	109	59-132
Carbon tetrachloride	50.0	40.2	80	56-137
Chlorobenzene	50.0	50.9	102	78-123
Chloroethane	50.0	44.1	88	60-144
Chloroform	50.0	46.8	94	78-126
Chloromethane	50.0	35.4	71	42-134
2-Chlorotoluene	50.0	44.5	89	74-122
4-Chlorotoluene	50.0	49.8	100	77-123
Dibromochloromethane	50.0	44.1	88	58-128
1,2-Dibromoethane (EDB)	50.0	48.4	97	76-125
Dibromomethane	50.0	45.4	91	73-125
1,2-Dichlorobenzene	50.0	51.0	102	75-123
1,3-Dichlorobenzene	50.0	51.2	102	74-122
1,4-Dichlorobenzene	50.0	50.4	101	76-120
trans-1,4-Dichloro-2-butene	200	159	79	56-133
Dichlorodifluoromethane	50.0	48.8	98	35-181
1,1-Dichloroethane	50.0	42.6	85	75-130
1,2-Dichloroethane	50.0	42.2	84	75-128
1,1-Dichloroethene	50.0	53.5	107	68-127
cis-1,2-Dichloroethene	50.0	51.3	103	75-122
trans-1,2-Dichloroethene	50.0	49.7	99	72-124
1,2-Dichloropropane	50.0	44.1	88	74-121
1,3-Dichloropropane	50.0	44.7	89	74-123
2,2-Dichloropropane	50.0	36.4	73	50-137
1,1-Dichloropropene	50.0	47.3	95	78-130
cis-1,3-Dichloropropene	50.0	40.0	80	64-126
trans-1,3-Dichloropropene	50.0	37.2	74	64-121
Ethylbenzene	50.0	46.5	93	66-133
Ethyl methacrylate	200	171	86	69-133
Hexachloro-1,3-butadiene	50.0	44.7	89	59-145
n-Hexane	50.0	54.5	109	51-125
2-Hexanone	250	203	81	54-140
Iodomethane	100	115	115	21-170
Isopropylbenzene (Cumene)	50.0	49.9	100	69-124

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1128506LCS
Date Extracted: 07/15/2014
Date Analyzed (1): 07/15/2014
Instrument: 50MV4A
LCS Lot No: 72167
Lab File ID: A071514.B\A02LCS.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
p-Isopropyltoluene	50.0	46.8	94	72-132
Methylene Chloride	50.0	50.3	101	68-132
4-Methyl-2-pentanone (MIBK)	250	208	83	58-138
Methyl-tert-butyl ether	100	81.5	82	69-122
Naphthalene	50.0	45.8	92	68-127
n-Propylbenzene	50.0	47.0	94	71-122
Styrene	50.0	51.8	104	74-126
1,1,1,2-Tetrachloroethane	50.0	45.6	91	61-135
1,1,2,2-Tetrachloroethane	50.0	43.5	87	66-126
Tetrachloroethene	50.0	50.7	101	69-130
Toluene	50.0	48.5	97	72-122
1,2,3-Trichlorobenzene	50.0	48.4	97	70-130
1,2,4-Trichlorobenzene	50.0	48.8	98	68-131
1,1,1-Trichloroethane	50.0	39.8	80	71-129
1,1,2-Trichloroethane	50.0	44.8	90	77-130
Trichloroethene	50.0	45.6	91	76-126
Trichlorofluoromethane	50.0	49.5	99	76-149
1,2,3-Trichloropropane	50.0	45.1	90	58-142
1,2,4-Trimethylbenzene	50.0	45.1	90	69-127
1,3,5-Trimethylbenzene	50.0	45.3	91	70-126
Vinyl acetate	200	172	86	45-151
Vinyl chloride	50.0	45.8	92	59-126
Xylene (Total)	150	147	98	70-124

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1128510LCS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV4A
LCS Lot No: 72167
Lab File ID: A071514.B\C02LCS.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	270	108	49-150
Acrolein	1000	1270	127	41-200
Acrylonitrile	1000	957	96	63-137
Benzene	50.0	54.0	108	74-122
Bromobenzene	50.0	47.6	95	72-127
Bromochloromethane	50.0	45.0	90	63-132
Bromodichloromethane	50.0	47.0	94	62-136
Bromoform	50.0	32.6	65	44-134
Bromomethane	50.0	89.6	179	22-181
2-Butanone (MEK)	250	245	98	58-139
n-Butylbenzene	50.0	47.9	96	70-126
sec-Butylbenzene	50.0	49.6	99	70-128
tert-Butylbenzene	50.0	40.9	82	51-118
Carbon disulfide	100	115	115	59-132
Carbon tetrachloride	50.0	42.5	85	56-137
Chlorobenzene	50.0	52.7	105	78-123
Chloroethane	50.0	46.6	93	60-144
Chloroform	50.0	49.3	99	78-126
Chloromethane	50.0	37.3	75	42-134
2-Chlorotoluene	50.0	46.1	92	74-122
4-Chlorotoluene	50.0	51.6	103	77-123
Dibromochloromethane	50.0	45.6	91	58-128
1,2-Dibromoethane (EDB)	50.0	51.1	102	76-125
Dibromomethane	50.0	49.1	98	73-125
1,2-Dichlorobenzene	50.0	53.4	107	75-123
1,3-Dichlorobenzene	50.0	52.5	105	74-122
1,4-Dichlorobenzene	50.0	52.1	104	76-120
trans-1,4-Dichloro-2-butene	200	156	78	56-133
Dichlorodifluoromethane	50.0	51.2	102	35-181
1,1-Dichloroethane	50.0	45.5	91	75-130
1,2-Dichloroethane	50.0	46.3	93	75-128
1,1-Dichloroethene	50.0	55.4	111	68-127
cis-1,2-Dichloroethene	50.0	54.5	109	75-122
trans-1,2-Dichloroethene	50.0	51.8	104	72-124
1,2-Dichloropropane	50.0	47.3	95	74-121
1,3-Dichloropropane	50.0	47.2	94	74-123
2,2-Dichloropropane	50.0	33.3	67	50-137
1,1-Dichloropropene	50.0	50.2	100	78-130
cis-1,3-Dichloropropene	50.0	40.3	81	64-126
trans-1,3-Dichloropropene	50.0	38.2	76	64-121
Ethylbenzene	50.0	47.6	95	66-133
Ethyl methacrylate	200	180	90	69-133
Hexachloro-1,3-butadiene	50.0	45.4	91	59-145
n-Hexane	50.0	50.4	101	51-125
2-Hexanone	250	218	87	54-140
Iodomethane	100	121	121	21-170
Isopropylbenzene (Cumene)	50.0	51.6	103	69-124

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1128510LCS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV4A
LCS Lot No: 72167
Lab File ID: A071514.B\C02LCS.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
p-Isopropyltoluene	50.0	48.8	98	72-132
Methylene Chloride	50.0	54.3	109	68-132
4-Methyl-2-pentanone (MIBK)	250	218	87	58-138
Methyl-tert-butyl ether	100	88.2	88	69-122
Naphthalene	50.0	48.7	97	68-127
n-Propylbenzene	50.0	48.8	98	71-122
Styrene	50.0	52.7	105	74-126
1,1,1,2-Tetrachloroethane	50.0	46.5	93	61-135
1,1,2,2-Tetrachloroethane	50.0	47.6	95	66-126
Tetrachloroethene	50.0	51.1	102	69-130
Toluene	50.0	49.3	99	72-122
1,2,3-Trichlorobenzene	50.0	52.0	104	70-130
1,2,4-Trichlorobenzene	50.0	51.3	103	68-131
1,1,1-Trichloroethane	50.0	42.8	86	71-129
1,1,2-Trichloroethane	50.0	45.7	91	77-130
Trichloroethene	50.0	49.0	98	76-126
Trichlorofluoromethane	50.0	51.8	104	76-149
1,2,3-Trichloropropane	50.0	50.0	100	58-142
1,2,4-Trimethylbenzene	50.0	47.1	94	69-127
1,3,5-Trimethylbenzene	50.0	47.6	95	70-126
Vinyl acetate	200	179	90	45-151
Vinyl chloride	50.0	48.4	97	59-126
Xylene (Total)	150	151	101	70-124

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1129941LCS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV2A
LCS Lot No: 72075
Lab File ID: A071614.B\A02LCSXX.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acetone	250	376	150	49-150
Acrolein	1000	1480	148	41-200
Acrylonitrile	1000	1190	119	63-137
Benzene	50.0	52.0	104	74-122
Bromobenzene	50.0	52.0	104	72-127
Bromochloromethane	50.0	48.7	97	63-132
Bromodichloromethane	50.0	45.6	91	62-136
Bromoform	50.0	47.7	95	44-134
Bromomethane	50.0	58.9	118	22-181
2-Butanone (MEK)	250	282	113	58-139
n-Butylbenzene	50.0	54.8	110	70-126
sec-Butylbenzene	50.0	53.9	108	70-128
tert-Butylbenzene	50.0	48.8	98	51-118
Carbon disulfide	100	114	114	59-132
Carbon tetrachloride	50.0	46.8	94	56-137
Chlorobenzene	50.0	50.9	102	78-123
Chloroethane	50.0	68.0	136	60-144
Chloroform	50.0	51.6	103	78-126
Chloromethane	50.0	53.2	106	42-134
2-Chlorotoluene	50.0	49.6	99	74-122
4-Chlorotoluene	50.0	51.1	102	77-123
Dibromochloromethane	50.0	42.2	84	58-128
1,2-Dibromoethane (EDB)	50.0	59.2	118	76-125
Dibromomethane	50.0	51.1	102	73-125
1,2-Dichlorobenzene	50.0	52.0	104	75-123
1,3-Dichlorobenzene	50.0	49.5	99	74-122
1,4-Dichlorobenzene	50.0	49.3	99	76-120
trans-1,4-Dichloro-2-butene	200	211	106	56-133
Dichlorodifluoromethane	50.0	51.0	102	35-181
1,1-Dichloroethane	50.0	57.9	116	75-130
1,2-Dichloroethane	50.0	52.0	104	75-128
1,1-Dichloroethene	50.0	54.3	109	68-127
cis-1,2-Dichloroethene	50.0	45.8	92	75-122
trans-1,2-Dichloroethene	50.0	54.2	108	72-124
1,2-Dichloropropane	50.0	51.8	104	74-121
1,3-Dichloropropane	50.0	52.2	104	74-123
2,2-Dichloropropane	50.0	41.2	82	50-137
1,1-Dichloropropene	50.0	51.2	102	78-130
cis-1,3-Dichloropropene	50.0	47.7	95	64-126
trans-1,3-Dichloropropene	50.0	48.0	96	64-121
Ethylbenzene	50.0	51.7	103	66-133
Ethyl methacrylate	200	211	106	69-133
Hexachloro-1,3-butadiene	50.0	45.9	92	59-145
n-Hexane	50.0	53.0	106	51-125
2-Hexanone	250	314	126	54-140
Iodomethane	100	119	119	21-170
Isopropylbenzene (Cumene)	50.0	56.3	113	69-124

MSV - FORM III VOA-2

WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1129941LCS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV2A
LCS Lot No: 72075
Lab File ID: A071614.B\A02LCSXX.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
p-Isopropyltoluene	50.0	52.3	105	72-132
Methylene Chloride	50.0	53.5	107	68-132
4-Methyl-2-pentanone (MIBK)	250	296	118	58-138
Methyl-tert-butyl ether	100	108	108	69-122
Naphthalene	50.0	57.4	115	68-127
n-Propylbenzene	50.0	52.4	105	71-122
Styrene	50.0	56.1	112	74-126
1,1,1,2-Tetrachloroethane	50.0	47.9	96	61-135
1,1,2,2-Tetrachloroethane	50.0	53.8	108	66-126
Tetrachloroethene	50.0	48.8	98	69-130
Toluene	50.0	51.4	103	72-122
1,2,3-Trichlorobenzene	50.0	55.7	111	70-130
1,2,4-Trichlorobenzene	50.0	53.3	107	68-131
1,1,1-Trichloroethane	50.0	43.7	87	71-129
1,1,2-Trichloroethane	50.0	52.4	105	77-130
Trichloroethene	50.0	46.2	92	76-126
Trichlorofluoromethane	50.0	50.8	102	76-149
1,2,3-Trichloropropane	50.0	51.5	103	58-142
1,2,4-Trimethylbenzene	50.0	51.1	102	69-127
1,3,5-Trimethylbenzene	50.0	52.7	105	70-126
Vinyl acetate	200	243	122	45-151
Vinyl chloride	50.0	55.0	110	59-126
Xylene (Total)	150	164	109	70-124

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1128507MS
Date Extracted: 07/15/2014
Date Analyzed (1): 07/15/2014
Instrument: 50MV4A
Lab File ID: A071514.B\A19.D
Parent Sample ID: TMW-1
SDG No.: 50100317

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	ND	42.7	85	50-132
1,1,1-Trichloroethane	50.0	6.2	49.4	86	60-138
1,1,2,2-Tetrachloroethane	50.0	ND	46.9	94	55-128
1,1,2-Trichloroethane	50.0	ND	44.7	89	61-139
1,1-Dichloroethane	50.0	ND	46.5	93	57-147
1,1-Dichloroethene	50.0	ND	58.5	117	55-145
1,1-Dichloropropene	50.0	ND	51.6	103	55-147
1,2,3-Trichlorobenzene	50.0	ND	51.1	102	31-141
1,2,3-Trichloropropane	50.0	ND	48.4	97	58-133
1,2,4-Trichlorobenzene	50.0	ND	50.1	100	25-143
1,2,4-Trimethylbenzene	50.0	ND	48.3	97	18-149
1,2-Dibromoethane (EDB)	50.0	ND	49.4	99	63-129
1,2-Dichlorobenzene	50.0	ND	53.2	106	38-136
1,2-Dichloroethane	50.0	ND	45.1	90	62-138
1,2-Dichloropropane	50.0	ND	47.5	95	59-130
1,3,5-Trimethylbenzene	50.0	ND	47.3	95	20-147
1,3-Dichlorobenzene	50.0	ND	52.6	105	28-141
1,3-Dichloropropane	50.0	ND	46.3	93	62-127
1,4-Dichlorobenzene	50.0	ND	52.8	106	30-139
2,2-Dichloropropane	50.0	ND	34.2	68	37-139
2-Butanone (MEK)	250	ND	240	96	37-156
2-Chlorotoluene	50.0	ND	47.5	95	27-142
2-Hexanone	250	ND	213	85	44-143
4-Chlorotoluene	50.0	ND	51.0	102	27-144
4-Methyl-2-pentanone (MIBK)	250	ND	212	85	46-144
Acetone	250	ND	261	104	39-156
Acrolein	1000	ND	1220	122	33-200
Acrylonitrile	1000	ND	939	94	48-149
Benzene	50.0	ND	55.2	110	62-129
Bromobenzene	50.0	ND	45.2	90	39-140
Bromochloromethane	50.0	ND	44.9	90	49-142
Bromodichloromethane	50.0	ND	43.6	87	50-142
Bromoform	50.0	ND	28.7	57	36-125
Bromomethane	50.0	ND	69.3	139	13-179
Carbon disulfide	100	ND	120	120	45-142
Carbon tetrachloride	50.0	ND	39.5	79	46-142
Chlorobenzene	50.0	ND	52.3	105	49-136
Chloroethane	50.0	ND	48.7	97	47-160
Chloroform	50.0	ND	49.4	99	54-150
Chloromethane	50.0	ND	37.7	75	30-148
Dibromochloromethane	50.0	ND	40.6	81	48-125
Dibromomethane	50.0	ND	46.8	94	59-134
Dichlorodifluoromethane	50.0	ND	53.6	107	24-197
Ethyl methacrylate	200	ND	177	89	55-139
Ethylbenzene	50.0	ND	47.4	95	28-153
Hexachloro-1,3-butadiene	50.0	ND	45.0	90	10-176
Iodomethane	100	ND	121	121	17-157

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1128507MS
Date Extracted: 07/15/2014
Date Analyzed (1): 07/15/2014
Instrument: 50MV4A
Lab File ID: A071514.B\A19.D
Parent Sample ID: TMW-1
SDG No.: 50100317

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
Isopropylbenzene (Cumene)	50.0	ND	50.4	101	18-152
Methyl-tert-butyl ether	100	ND	88.4	88	63-130
Methylene Chloride	50.0	ND	52.7	105	45-156
Naphthalene	50.0	ND	47.6	95	39-140
Styrene	50.0	ND	51.5	103	36-139
Tetrachloroethene	50.0	ND	54.0	105	33-151
Toluene	50.0	ND	49.6	99	50-132
Trichloroethene	50.0	ND	49.8	100	50-143
Trichlorofluoromethane	50.0	ND	54.9	110	60-175
Vinyl acetate	200	ND	154	77	17-142
Vinyl chloride	50.0	ND	51.2	102	44-145
Xylene (Total)	150	ND	151	101	29-145
cis-1,2-Dichloroethene	50.0	ND	54.6	109	60-135
cis-1,3-Dichloropropene	50.0	ND	38.0	76	52-123
n-Butylbenzene	50.0	ND	48.8	98	10-161
n-Hexane	50.0	ND	52.7	103	33-144
n-Propylbenzene	50.0	ND	49.7	99	16-150
p-Isopropyltoluene	50.0	ND	49.1	98	10-163
sec-Butylbenzene	50.0	ND	51.1	102	10-160
tert-Butylbenzene	50.0	ND	42.4	85	12-134
trans-1,2-Dichloroethene	50.0	ND	54.0	108	40-153
trans-1,3-Dichloropropene	50.0	ND	35.5	71	48-122
trans-1,4-Dichloro-2-butene	200	ND	151	75	32-139

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1128511MS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV4A
Lab File ID: A071514.B\C11.D
Parent Sample ID: TMW-9
SDG No.: 50100317

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	ND	39.2	78	50-132
1,1,1-Trichloroethane	50.0	ND	39.5	77	60-138
1,1,2,2-Tetrachloroethane	50.0	ND	43.4	87	55-128
1,1,2-Trichloroethane	50.0	ND	42.2	84	61-139
1,1-Dichloroethane	50.0	ND	40.4	81	57-147
1,1-Dichloroethene	50.0	ND	52.5	105	55-145
1,1-Dichloropropene	50.0	ND	47.3	95	55-147
1,2,3-Trichlorobenzene	50.0	ND	46.1	92	31-141
1,2,3-Trichloropropane	50.0	ND	45.4	91	58-133
1,2,4-Trichlorobenzene	50.0	ND	45.1	90	25-143
1,2,4-Trimethylbenzene	50.0	ND	42.6	85	18-149
1,2-Dibromoethane (EDB)	50.0	ND	45.5	91	63-129
1,2-Dichlorobenzene	50.0	ND	47.6	95	38-136
1,2-Dichloroethane	50.0	ND	41.2	82	62-138
1,2-Dichloropropane	50.0	ND	43.1	86	59-130
1,3,5-Trimethylbenzene	50.0	ND	43.1	86	20-147
1,3-Dichlorobenzene	50.0	ND	47.4	95	28-141
1,3-Dichloropropane	50.0	ND	43.2	86	62-127
1,4-Dichlorobenzene	50.0	ND	47.3	95	30-139
2,2-Dichloropropane	50.0	ND	26.4	53	37-139
2-Butanone (MEK)	250	ND	229	92	37-156
2-Chlorotoluene	50.0	ND	42.6	85	27-142
2-Hexanone	250	ND	203	81	44-143
4-Chlorotoluene	50.0	ND	46.3	93	27-144
4-Methyl-2-pentanone (MIBK)	250	ND	203	81	46-144
Acetone	250	ND	251	100	39-156
Acrolein	1000	ND	1100	110	33-200
Acrylonitrile	1000	ND	891	89	48-149
Benzene	50.0	ND	50.0	100	62-129
Bromobenzene	50.0	ND	41.7	83	39-140
Bromochloromethane	50.0	ND	42.3	85	49-142
Bromodichloromethane	50.0	ND	40.5	81	50-142
Bromoform	50.0	ND	26.1	52	36-125
Bromomethane	50.0	ND	64.2	128	13-179
Carbon disulfide	100	ND	108	108	45-142
Carbon tetrachloride	50.0	ND	36.6	73	46-142
Chlorobenzene	50.0	ND	47.8	96	49-136
Chloroethane	50.0	ND	43.8	88	47-160
Chloroform	50.0	ND	45.7	91	54-150
Chloromethane	50.0	ND	35.5	71	30-148
Dibromochloromethane	50.0	ND	38.1	76	48-125
Dibromomethane	50.0	ND	44.2	88	59-134
Dichlorodifluoromethane	50.0	ND	49.5	99	24-197
Ethyl methacrylate	200	ND	163	81	55-139
Ethylbenzene	50.0	ND	43.9	88	28-153
Hexachloro-1,3-butadiene	50.0	ND	39.9	80	10-176
Iodomethane	100	ND	108	108	17-157

MSV - FORM III VOA-2

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Matrix Spike - Sample No: 1128511MS
Date Extracted: 07/16/2014
Date Analyzed (1): 07/16/2014
Instrument: 50MV4A
Lab File ID: A071514.B\C11.D
Parent Sample ID: TMW-9
SDG No.: 50100317

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
Isopropylbenzene (Cumene)	50.0	ND	47.0	94	18-152
Methyl-tert-butyl ether	100	ND	78.1	78	63-130
Methylene Chloride	50.0	ND	49.6	99	45-156
Naphthalene	50.0	ND	43.6	87	39-140
Styrene	50.0	ND	47.0	94	36-139
Tetrachloroethene	50.0	ND	46.9	94	33-151
Toluene	50.0	ND	45.4	90	50-132
Trichloroethene	50.0	ND	45.1	90	50-143
Trichlorofluoromethane	50.0	ND	49.9	100	60-175
Vinyl acetate	200	ND	122	61	17-142
Vinyl chloride	50.0	ND	46.5	93	44-145
Xylene (Total)	150	ND	137	92	29-145
cis-1,2-Dichloroethene	50.0	ND	49.8	100	60-135
cis-1,3-Dichloropropene	50.0	ND	33.8	68	52-123
n-Butylbenzene	50.0	ND	44.3	89	10-161
n-Hexane	50.0	ND	51.5	103	33-144
n-Propylbenzene	50.0	ND	45.4	91	16-150
p-Isopropyltoluene	50.0	ND	44.1	88	10-163
sec-Butylbenzene	50.0	ND	46.1	92	10-160
tert-Butylbenzene	50.0	ND	37.1	74	12-134
trans-1,2-Dichloroethene	50.0	ND	49.3	99	40-153
trans-1,3-Dichloropropene	50.0	ND	31.8	64	48-122
trans-1,4-Dichloro-2-butene	200	ND	142	71	32-139

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-3

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV4A Matrix Spike Duplicate - Sample No: 1128512MSD

Lab File ID (2): A071514.B\C12.D Date Analyzed (2): 07/16/2014

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
1,1,1,2-Tetrachloroethane	50.0	44.1	88	12	0-20	50-132
1,1,1-Trichloroethane	50.0	43.1	84	9	0-20	60-138
1,1,2,2-Tetrachloroethane	50.0	43.7	87	1	0-20	55-128
1,1,2-Trichloroethane	50.0	43.3	87	3	0-20	61-139
1,1-Dichloroethane	50.0	44.2	88	9	0-20	57-147
1,1-Dichloroethene	50.0	56.3	113	7	0-20	55-145
1,1-Dichloropropene	50.0	49.6	99	5	0-20	55-147
1,2,3-Trichlorobenzene	50.0	45.6	91	1	0-20	31-141
1,2,3-Trichloropropane	50.0	45.6	91	0	0-20	58-133
1,2,4-Trichlorobenzene	50.0	44.9	90	0	0-20	25-143
1,2,4-Trimethylbenzene	50.0	44.2	88	4	0-20	18-149
1,2-Dibromoethane (EDB)	50.0	47.7	95	5	0-20	63-129
1,2-Dichlorobenzene	50.0	48.9	98	3	0-20	38-136
1,2-Dichloroethane	50.0	44.1	88	7	0-20	62-138
1,2-Dichloropropane	50.0	46.1	92	7	0-20	59-130
1,3,5-Trimethylbenzene	50.0	44.8	90	4	0-20	20-147
1,3-Dichlorobenzene	50.0	48.3	97	2	0-20	28-141
1,3-Dichloropropane	50.0	44.9	90	4	0-20	62-127
1,4-Dichlorobenzene	50.0	48.8	98	3	0-20	30-139
2,2-Dichloropropane	50.0	29.8	60	12	0-20	37-139
2-Butanone (MEK)	250	223	89	3	0-20	37-156
2-Chlorotoluene	50.0	43.8	88	3	0-20	27-142
2-Hexanone	250	196	78	3	0-20	44-143
4-Chlorotoluene	50.0	48.5	97	5	0-20	27-144
4-Methyl-2-pentanone (MIBK)	250	197	79	3	0-20	46-144
Acetone	250	248	99	1	0-20	39-156
Acrolein	1000	1100	110	1	0-20	33-200
Acrylonitrile	1000	888	89	0	0-20	48-149
Benzene	50.0	52.8	106	5	0-20	62-129
Bromobenzene	50.0	44.2	88	6	0-20	39-140
Bromochloromethane	50.0	43.8	88	3	0-20	49-142
Bromodichloromethane	50.0	44.8	90	10	0-20	50-142
Bromoform	50.0	29.1	58	11	0-20	36-125
Bromomethane	50.0	86.6	173	30	0-20	13-179
Carbon disulfide	100	116	115	6	0-20	45-142
Carbon tetrachloride	50.0	42.0	84	14	0-20	46-142
Chlorobenzene	50.0	49.9	100	4	0-20	49-136
Chloroethane	50.0	47.0	94	7	0-20	47-160
Chloroform	50.0	48.2	96	5	0-20	54-150
Chloromethane	50.0	37.2	74	5	0-20	30-148
Dibromochloromethane	50.0	41.9	84	9	0-20	48-125
Dibromomethane	50.0	46.1	92	4	0-20	59-134
Dichlorodifluoromethane	50.0	52.0	104	5	0-20	24-197
Ethyl methacrylate	200	169	84	4	0-20	55-139
Ethylbenzene	50.0	46.1	92	5	0-20	28-153
Hexachloro-1,3-butadiene	50.0	41.1	82	3	0-20	10-176
Iodomethane	100	125	125	15	0-20	17-157
Isopropylbenzene (Cumene)	50.0	49.2	98	5	0-20	18-152
Methyl-tert-butyl ether	100	83.4	83	7	0-20	63-130

MSV - FORM III VOA-4

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MV4A Matrix Spike Duplicate - Sample No: 1128512MSD

Lab File ID (2): A071514.B\C12.D Date Analyzed (2): 07/16/2014

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
Methylene Chloride	50.0	52.1	104	5	0-20	45-156
Naphthalene	50.0	42.9	86	2	0-20	39-140
Styrene	50.0	50.1	100	6	0-20	36-139
Tetrachloroethene	50.0	49.1	98	5	0-20	33-151
Toluene	50.0	47.5	95	5	0-20	50-132
Trichloroethene	50.0	47.4	95	5	0-20	50-143
Trichlorofluoromethane	50.0	53.0	106	6	0-20	60-175
Vinyl acetate	200	133	66	8	0-20	17-142
Vinyl chloride	50.0	49.0	98	5	0-20	44-145
Xylene (Total)	150	145	97	5	0-20	29-145
cis-1,2-Dichloroethene	50.0	53.1	106	6	0-20	60-135
cis-1,3-Dichloropropene	50.0	36.8	74	9	0-20	52-123
n-Butylbenzene	50.0	44.2	88	0	0-20	10-161
n-Hexane	50.0	53.0	106	3	0-20	33-144
n-Propylbenzene	50.0	45.6	91	1	0-20	16-150
p-Isopropyltoluene	50.0	45.5	91	3	0-20	10-163
sec-Butylbenzene	50.0	47.0	94	2	0-20	10-160
tert-Butylbenzene	50.0	38.7	77	4	0-20	12-134
trans-1,2-Dichloroethene	50.0	52.5	105	6	0-20	40-153
trans-1,3-Dichloropropene	50.0	35.4	71	11	0-20	48-122
trans-1,4-Dichloro-2-butene	200	140	70	1	0-20	32-139

RPD: 1 out of 70 outside limits.

Spike Recovery: 0 out of 70 outside limits.

MSV - FORM III VOA-1

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 50100317002DUP
Date Extracted: 07/16/2014
Date Analyzed: 07/16/2014
Instrument 50MV4A
Lab File ID: A071514.B\A21.D
Lab Sample ID: TMW-2
SDG No.: 50100317

COMPOUND	SAMPLE CONCENTRATION (ug/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
1,1,1,2-Tetrachloroethane	ND	ND		0-20
1,1,1-Trichloroethane	ND	3.9J		0-20
1,1,2,2-Tetrachloroethane	ND	ND		0-20
1,1,2-Trichloroethane	ND	ND		0-20
1,1-Dichloroethane	ND	ND		0-20
1,1-Dichloroethene	ND	ND		0-20
1,1-Dichloropropene	ND	ND		0-20
1,2,3-Trichlorobenzene	ND	ND		0-20
1,2,3-Trichloropropane	ND	ND		0-20
1,2,4-Trichlorobenzene	ND	ND		0-20
1,2,4-Trimethylbenzene	ND	ND		0-20
1,2-Dibromoethane (EDB)	ND	ND		0-20
1,2-Dichlorobenzene	ND	ND		0-20
1,2-Dichloroethane	ND	ND		0-20
1,2-Dichloropropane	ND	ND		0-20
1,3,5-Trimethylbenzene	ND	ND		0-20
1,3-Dichlorobenzene	ND	ND		0-20
1,3-Dichloropropane	ND	ND		0-20
1,4-Dichlorobenzene	ND	ND		0-20
2,2-Dichloropropane	ND	ND		0-20
2-Butanone (MEK)	ND	ND		0-20
2-Chlorotoluene	ND	ND		0-20
2-Hexanone	ND	ND		0-20
4-Chlorotoluene	ND	ND		0-20
4-Methyl-2-pentanone (MIBK)	ND	ND		0-20
Acetone	ND	ND		0-20
Acrolein	ND	ND		0-20
Acrylonitrile	ND	ND		0-20
Benzene	ND	ND		0-20
Bromobenzene	ND	ND		0-20
Bromochloromethane	ND	ND		0-20
Bromodichloromethane	ND	ND		0-20
Bromoform	ND	ND		0-20
Bromomethane	ND	ND		0-20
Carbon disulfide	ND	ND		0-20
Carbon tetrachloride	ND	ND		0-20
Chlorobenzene	ND	ND		0-20
Chloroethane	ND	ND		0-20
Chloroform	ND	ND		0-20
Chloromethane	ND	ND		0-20
Dibromochloromethane	ND	ND		0-20
Dibromomethane	ND	ND		0-20
Dichlorodifluoromethane	ND	ND		0-20
Ethyl methacrylate	ND	ND		0-20
Ethylbenzene	ND	ND		0-20

RPD: ____ out of __0__ outside limits.

MSV - FORM III VOA-2

WATER VOLATILE SAMPLE/DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana
Duplicate Sample No: 50100317002DUP
Date Extracted: 07/16/2014
Date Analyzed: 07/16/2014
Instrument 50MV4A
Lab File ID: A071514.B\A21.D
Lab Sample ID: TMW-2
SDG No.: 50100317

COMPOUND	SAMPLE CONCENTRATION (ug/L)	DUPLICATE CONCENTRATION (ug/L)	RPD	RPD LIMITS
Hexachloro-1,3-butadiene	ND	ND		0-20
Iodomethane	ND	ND		0-20
Isopropylbenzene (Cumene)	ND	ND		0-20
Methyl-tert-butyl ether	ND	ND		0-20
Methylene Chloride	ND	ND		0-20
Naphthalene	ND	ND		0-20
Styrene	ND	ND		0-20
Tetrachloroethene	6.6	5.9	11	0-20
Toluene	ND	ND		0-20
Trichloroethene	ND	ND		0-20
Trichlorofluoromethane	ND	ND		0-20
Vinyl acetate	ND	ND		0-20
Vinyl chloride	ND	ND		0-20
Xylene (Total)	ND	ND		0-20
cis-1,2-Dichloroethene	ND	ND		0-20
cis-1,3-Dichloropropene	ND	ND		0-20
n-Butylbenzene	ND	ND		0-20
n-Hexane	ND	ND		0-20
n-Propylbenzene	ND	ND		0-20
p-Isopropyltoluene	ND	ND		0-20
sec-Butylbenzene	ND	ND		0-20
tert-Butylbenzene	ND	ND		0-20
trans-1,2-Dichloroethene	ND	ND		0-20
trans-1,3-Dichloropropene	ND	ND		0-20
trans-1,4-Dichloro-2-butene	ND	ND		0-20

RPD: 0 out of 1 outside limits.

SAMPLE NO.

1128505BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MV4A Matrix: Water Lab Sample ID: 1128505

Lab File ID: A071514.B\A04MB.D Date Analyzed: 07/15/2014 Time: 15:50

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1128506LCS	1128506	A071514.B\A02LCS.D	07/15/2014 14:46
TMW-4	50100317004	A071514.B\A15.D	07/15/2014 21:43
TMW-1	50100317001	A071514.B\A18.D	07/15/2014 23:19
1128507MS	1128507	A071514.B\A19.D	07/15/2014 23:51
TMW-2	50100317002	A071514.B\A20.D	07/16/2014 00:23
1128508DUP	1128508	A071514.B\A21.D	07/16/2014 00:55

SAMPLE NO.

1128509BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MV4A Matrix: Water Lab Sample ID: 1128509

Lab File ID: A071514.B\C04MB.D Date Analyzed: 07/16/2014 Time: 03:37

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1128510LCS	1128510	A071514.B\C02LCS.D	07/16/2014 02:32
TMW-5	50100317005	A071514.B\C06.D	07/16/2014 04:42
TMW-6	50100317006	A071514.B\C07.D	07/16/2014 05:14
TMW-7	50100317007	A071514.B\C08.D	07/16/2014 05:46
TMW-8	50100317008	A071514.B\C09.D	07/16/2014 06:19
TMW-9	50100317009	A071514.B\C10.D	07/16/2014 06:51
1128511MS	1128511	A071514.B\C11.D	07/16/2014 07:24
1128512MSD	1128512	A071514.B\C12.D	07/16/2014 07:56
TMW-10	50100317010	A071514.B\C13.D	07/16/2014 08:29
GW-Dupe	50100317011	A071514.B\C14.D	07/16/2014 09:01
GW EQ Blank	50100317012	A071514.B\C15.D	07/16/2014 09:34
Trip Blank	50100317013	A071514.B\C16.D	07/16/2014 10:06
S-A IDW	50100317014	A071514.B\C17.D	07/16/2014 10:39

SAMPLE NO.

1129940BLANK

MSV - FORM IV VOA-1
VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MV2A Matrix: Water Lab Sample ID: 1129940

Lab File ID: A071614.B\A04MBXX.D Date Analyzed: 07/16/2014 Time: 13:52

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1129941LCS	1129941	A071614.B\A02LCSXX.D	07/16/2014 12:46
TMW-3	50100317003	A071614.B\A11.D	07/16/2014 17:42

MSV - FORM V VOA-1

VOLATILE ORGANICS ANALYSIS DATA SHEET

PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Lab File ID: A070914.B\A00BFB.D BFB Injection Date: 07/09/2014

Instrument ID: 50MV2A BFB Injection Time: 13:01

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	25.15	
75	30.00 - 60.00% of mass 95	53.82	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.19	
173	Less than 2.00% of mass 174	0.28	(0.46)[1]
174	50.00 - 100.00% of mass 95	61.88	
175	5.00 - 9.00% of mass 174	5.31	(8.58)[1]
176	95.00 - 101.00% of mass 174	61.55	(99.47)[1]
177	5.00 - 9.00% of mass 176	4.14	(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
6947547CAL1	6947547CAL1	A070914.B\A06CAL1.D	07/09/2014	16:19
6947544CAL2	6947544CAL2	A070914.B\A07CAL2.D	07/09/2014	16:52
6947552CAL3	6947552CAL3	A070914.B\A08CAL3.D	07/09/2014	17:24
6947545CAL4	6947545CAL4	A070914.B\A09CAL4.D	07/09/2014	17:57
6947548CAL5	6947548CAL5	A070914.B\A10CAL5.D	07/09/2014	18:30
6947546CAL6	6947546CAL6	A070914.B\A11CAL6.D	07/09/2014	19:03
6947550CAL7	6947550CAL7	A070914.B\A12CAL7.D	07/09/2014	19:36
6947549CAL8	6947549CAL8	A070914.B\A13CAL8.D	07/09/2014	20:09
6947553ICV	6947553ICV	A070914.B\A15ICV.D	07/09/2014	21:15

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

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast
Lab File ID: A071614.B\A00BFB.D BFB Injection Date: 07/16/2014
Instrument ID: 50MV2A BFB Injection Time: 11:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	26.51	
75	30.00 - 60.00% of mass 95	52.89	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.78	
173	Less than 2.00% of mass 174	0.00	
174	50.00 - 100.00% of mass 95	60.42	
175	5.00 - 9.00% of mass 174	4.77	(7.89)[1]
176	95.00 - 101.00% of mass 174	59.59	(98.63)[1]
177	5.00 - 9.00% of mass 176	4.00	(6.72)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6975588CCV	6975588CCV	A071614.B\A01CCV.D	07/16/2014	12:13
1129941LCS	1129941LCS	A071614.B\A02LCSXX.D	07/16/2014	12:46
1129940BLANK	1129940BLANK	A071614.B\A04MBXX.D	07/16/2014	13:52
TMW-3	50100317003	A071614.B\A11.D	07/16/2014	17:42

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

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast
Lab File ID: A070314CAL.B\A00BFB.D BFB Injection Date: 07/03/2014
Instrument ID: 50MV4A BFB Injection Time: 22:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	16.76	
75	30.00 - 60.00% of mass 95	45.95	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	6.63	
173	Less than 2.00% of mass 174	0.57	(0.60)[1]
174	50.00 - 100.00% of mass 95	95.37	
175	5.00 - 9.00% of mass 174	6.95	(7.28)[1]
176	95.00 - 101.00% of mass 174	92.02	(96.48)[1]
177	5.00 - 9.00% of mass 176	5.75	(6.25)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6936385CAL1	6936385CAL1	A070314CAL.B\A02.D	07/04/2014	00:17
6936392CAL2	6936392CAL2	A070314CAL.B\A03.D	07/04/2014	00:49
6936381CAL3	6936381CAL3	A070314CAL.B\A04.D	07/04/2014	01:21
6936386CAL4	6936386CAL4	A070314CAL.B\A05.D	07/04/2014	01:53
6936387CAL5	6936387CAL5	A070314CAL.B\A06.D	07/04/2014	02:25
6936390CAL6	6936390CAL6	A070314CAL.B\A07.D	07/04/2014	02:58
6936391CAL7	6936391CAL7	A070314CAL.B\A08.D	07/04/2014	03:30
6936383CAL8	6936383CAL8	A070314CAL.B\A09.D	07/04/2014	04:02
6936389ICV	6936389ICV	A070314CAL.B\A11ICV.D	07/04/2014	05:06

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

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast
Lab File ID: A071514.B\A01BFB.D BFB Injection Date: 07/15/2014
Instrument ID: 50MV4A BFB Injection Time: 14:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	15.41	
75	30.00 - 60.00% of mass 95	45.48	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.30	
173	Less than 2.00% of mass 174	0.83	(0.96)[1]
174	50.00 - 100.00% of mass 95	87.11	
175	5.00 - 9.00% of mass 174	6.84	(7.85)[1]
176	95.00 - 101.00% of mass 174	83.10	(95.40)[1]
177	5.00 - 9.00% of mass 176	6.05	(7.27)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6973859CCV	6973859CCV	A071514.B\A01CCV.D	07/15/2014	14:14
1128506LCS	1128506LCS	A071514.B\A02LCS.D	07/15/2014	14:46
1128505BLANK	1128505BLANK	A071514.B\A04MB.D	07/15/2014	15:50
TMW-4	50100317004	A071514.B\A15.D	07/15/2014	21:43
TMW-1	50100317001	A071514.B\A18.D	07/15/2014	23:19
1128507MS	1128507MS	A071514.B\A19.D	07/15/2014	23:51
TMW-2	50100317002	A071514.B\A20.D	07/16/2014	00:23
1128508DUP	1128508DUP	A071514.B\A21.D	07/16/2014	00:55

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

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast
Lab File ID: A071514.B\C00BFB.D BFB Injection Date: 07/16/2014
Instrument ID: 50MV4A BFB Injection Time: 01:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.00 - 40.00% of mass 95	18.10	
75	30.00 - 60.00% of mass 95	50.10	
95	Base Peak, 100.00% relative abundance	100.00	
96	5.00 - 9.00% of mass 95	7.55	
173	Less than 2.00% of mass 174	0.60	(0.70)[1]
174	50.00 - 100.00% of mass 95	85.45	
175	5.00 - 9.00% of mass 174	6.33	(7.41)[1]
176	95.00 - 101.00% of mass 174	82.49	(96.54)[1]
177	5.00 - 9.00% of mass 176	5.15	(6.24)[2]

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

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6973858CCV	6973858CCV	A071514.B\C01CCV.D	07/16/2014	02:00
1128510LCS	1128510LCS	A071514.B\C02LCS.D	07/16/2014	02:32
1128509BLANK	1128509BLANK	A071514.B\C04MB.D	07/16/2014	03:37
TMW-5	50100317005	A071514.B\C06.D	07/16/2014	04:42
TMW-6	50100317006	A071514.B\C07.D	07/16/2014	05:14
TMW-7	50100317007	A071514.B\C08.D	07/16/2014	05:46
TMW-8	50100317008	A071514.B\C09.D	07/16/2014	06:19
TMW-9	50100317009	A071514.B\C10.D	07/16/2014	06:51
1128511MS	1128511MS	A071514.B\C11.D	07/16/2014	07:24
1128512MSD	1128512MSD	A071514.B\C12.D	07/16/2014	07:56
TMW-10	50100317010	A071514.B\C13.D	07/16/2014	08:29
GW-Dupe	50100317011	A071514.B\C14.D	07/16/2014	09:01
GW EQ Blank	50100317012	A071514.B\C15.D	07/16/2014	09:34
Trip Blank	50100317013	A071514.B\C16.D	07/16/2014	10:06
S-A IDW	50100317014	A071514.B\C17.D	07/16/2014	10:39

MSV - FORM VI VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Instrument ID: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.23981	0.17043	0.16509	0.13974	0.13336	0.12729
Acrolein	Averaged	0.05949	0.04812	0.04982	0.05120	0.05146	0.05077
Acrylonitrile	Averaged	0.16189	0.14726	0.15238	0.15435	0.15380	0.15123
Benzene	Averaged	1.41791	1.18695	1.19661	1.15289	1.16061	1.17609
Bromobenzene	Averaged	0.84976	0.72437	0.75332	0.74640	0.77310	0.78728
Bromochloromethane	Averaged	0.44224	0.38404	0.35153	0.35370	0.35207	0.32766
Bromodichloromethane	Linear	0.25773	0.24859	0.24662	0.24624	0.25746	0.31265
Bromoform	Quadratic	0.18911	0.19567	0.18312	0.17358	0.18235	0.25942
Bromomethane	Linear	0.18398	0.10574	0.07603	0.09503	0.07783	0.09059
2-Butanone (MEK)	Averaged	0.25265	0.23453	0.23184	0.23617	0.22197	0.22876
n-Butylbenzene	Averaged	3.46604	2.97129	2.93447	3.15311	3.38866	3.60145
sec-Butylbenzene	Averaged	4.18958	3.67491	3.79538	3.89704	4.05057	4.22222
tert-Butylbenzene	Averaged	3.09057	2.75530	2.69186	2.75759	2.94748	3.07453
Carbon disulfide	Averaged	0.82262	0.66031	0.69617	0.67711	0.71049	0.71763
Carbon tetrachloride	Quadratic	0.19508	0.17538	0.14577	0.16751	0.17514	0.21834
Chlorobenzene	Averaged	1.17846	1.07517	1.07789	1.04159	1.06626	1.07807
Chloroethane	Linear	0.29394	0.22691	0.25808	0.23511	0.24108	0.21903
Chloroform	Averaged	0.58630	0.49424	0.50031	0.53013	0.52254	0.53683
Chloromethane	Averaged	0.54665	0.51707	0.50679	0.45575	0.47717	0.40760
2-Chlorotoluene	Averaged	3.34637	2.90194	2.97356	3.06410	3.07657	3.06563
4-Chlorotoluene	Averaged	1.01040	0.85733	0.96279	0.88032	0.90478	0.91382
Dibromochloromethane	Linear	0.16155	0.15441	0.16214	0.17047	0.17570	0.24760
1,2-Dibromoethane (EDB)	Averaged	0.30191	0.29822	0.25615	0.26832	0.29078	0.34222
Dibromomethane	Averaged	0.20354	0.15765	0.14197	0.15970	0.16192	0.17934
1,2-Dichlorobenzene	Averaged	1.53112	1.49558	1.42739	1.41409	1.49246	1.48212
1,3-Dichlorobenzene	Averaged	1.85635	1.85910	1.52004	1.50902	1.56871	1.60399
1,4-Dichlorobenzene	Averaged	2.10210	1.62544	1.64958	1.63992	1.64844	1.65524
trans-1,4-Dichloro-2-butene	Quadratic	0.16475	0.15716	0.13176	0.11544	0.13114	0.13868
Dichlorodifluoromethane	Averaged	0.47766	0.42014	0.45178	0.40942	0.41649	0.40255
1,1-Dichloroethane	Averaged	0.54057	0.56133	0.58230	0.57551	0.58233	0.57970
1,2-Dichloroethane	Averaged	0.54084	0.49743	0.44654	0.50528	0.48947	0.51518
1,1-Dichloroethene	Averaged	0.25429	0.23239	0.24341	0.23788	0.25637	0.23784
cis-1,2-Dichloroethene	Averaged	0.46074	0.36491	0.31512	0.33682	0.32759	0.32954
trans-1,2-Dichloroethene	Averaged	0.25297	0.22703	0.26253	0.26830	0.26677	0.25435
1,2-Dichloropropane	Averaged	0.29606	0.30764	0.32644	0.31576	0.32602	0.33093

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	0.77738	0.68630	0.65184	0.64956	0.67055	0.68227
2,2-Dichloropropane	Linear	0.24451	0.21772	0.22763	0.20690	0.21266	0.25775
1,1-Dichloropropene	Averaged	0.47184	0.42103	0.41059	0.39423	0.41971	0.45256
cis-1,3-Dichloropropene	Quadratic	0.32911	0.32137	0.31441	0.35425	0.37201	0.51138
trans-1,3-Dichloropropene	Quadratic	0.25793	0.24564	0.23713	0.22543	0.26155	0.36484
Ethylbenzene	Averaged	0.66941	0.59095	0.66857	0.58695	0.61757	0.62985
Ethyl methacrylate	Linear	0.54584	0.36160	0.41779	0.39455	0.46605	0.55233
Hexachloro-1,3-butadiene	Linear	0.60021	0.40901	0.34999	0.31218	0.36317	0.39440
n-Hexane	Averaged	0.62252	0.54960	0.55119	0.51559	0.53590	0.53225
2-Hexanone	Averaged	0.39141	0.36874	0.36467	0.38075	0.41256	0.44646
Iodomethane	Quadratic	0.36095	0.21657	0.16149	0.11849	0.11755	0.15889
Isopropylbenzene (Cumene)	Averaged	1.75829	1.68476	1.84824	1.66339	1.86270	1.92450
p-Isopropyltoluene	Averaged	3.05677	3.17756	3.25350	3.20828	3.37776	3.58392
Methylene Chloride	Linear	2.33384	1.51563	0.84221	0.38742	0.33950	0.27103
4-Methyl-2-pentanone (MIBK)	Averaged	0.53856	0.53621	0.53605	0.56507	0.59270	0.64320
Methyl-tert-butyl ether	Averaged	0.81971	0.74270	0.80429	0.77548	0.80525	0.79760
Naphthalene	Averaged	2.33688	2.05300	1.97893	2.06538	2.33137	2.66448
n-Propylbenzene	Averaged	6.03406	4.95539	4.84929	4.99911	5.15010	5.21710
Styrene	Averaged	1.07169	1.07105	1.09223	1.11546	1.15106	1.25595
1,1,1,2-Tetrachloroethane	Quadratic	0.22154	0.13440	0.17728	0.16007	0.18262	0.25407
1,1,2,2-Tetrachloroethane	Averaged	1.04237	0.98675	0.92349	0.91521	1.00690	1.01945
Tetrachloroethene	Averaged	0.43068	0.35375	0.37766	0.36384	0.37646	0.37921
Toluene	Averaged	1.99423	1.86487	1.91935	1.76193	1.91629	1.91889
1,2,3-Trichlorobenzene	Averaged	0.64680	0.54638	0.58031	0.65289	0.68319	0.75781
1,2,4-Trichlorobenzene	Averaged	0.68608	0.65680	0.66242	0.69752	0.75468	0.80736
1,1,1-Trichloroethane	Linear	0.35342	0.26160	0.30352	0.30529	0.32333	0.37436
1,1,2-Trichloroethane	Averaged	0.38229	0.35355	0.27697	0.27841	0.29388	0.30580
Trichloroethene	Averaged	0.43140	0.33621	0.30719	0.30959	0.30558	0.30888
Trichlorofluoromethane	Averaged	0.61036	0.55330	0.55283	0.55197	0.57028	0.53278
1,2,3-Trichloropropane	Averaged	0.34167	0.32774	0.33198	0.32910	0.33795	0.33274
1,2,4-Trimethylbenzene	Averaged	3.86710	3.66475	3.12615	3.25469	3.38411	3.49899
1,3,5-Trimethylbenzene	Averaged	3.32079	3.27473	3.15579	3.34733	3.32325	3.46353
Vinyl acetate	Averaged	0.78191	0.74181	0.76495	0.77285	0.85341	0.87590
Vinyl chloride	Averaged	0.48982	0.39119	0.43076	0.39515	0.41021	0.38561
m&p-Xylene	Averaged	0.76238	0.72878	0.73295	0.68887	0.72384	0.75162

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	0.60183	0.62646	0.66638	0.65528	0.70393	0.71467
4-Bromofluorobenzene (S)	Averaged	0.54860	0.55378	0.57093	0.55244	0.56243	0.57628
Dibromofluoromethane (S)	Averaged	0.23476	0.22821	0.23053	0.23913	0.23689	0.23878
Toluene-d8 (S)	Averaged	1.43484	1.44589	1.44974	1.42117	1.44445	1.46079

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.12536	0.12334
Acrolein	Averaged	0.04792	
Acrylonitrile	Averaged	0.14222	0.14204
Benzene	Averaged	1.14291	1.15662
Bromobenzene	Averaged	0.79181	0.81715
Bromochloromethane	Averaged	0.29495	0.28379
Bromodichloromethane	Linear	0.36003	0.39385
Bromoform	Quadratic	0.34626	0.41748
Bromomethane	Linear	0.11356	0.10783
2-Butanone (MEK)	Averaged	0.21922	0.22720
n-Butylbenzene	Averaged	3.53711	3.48007
sec-Butylbenzene	Averaged	4.17398	4.16711
tert-Butylbenzene	Averaged	3.13191	3.18401
Carbon disulfide	Averaged	0.71934	0.72037
Carbon tetrachloride	Quadratic	0.28731	0.33181
Chlorobenzene	Averaged	1.05700	1.07311
Chloroethane	Linear	0.18819	0.17109
Chloroform	Averaged	0.53758	0.55154
Chloromethane	Averaged	0.42600	0.47743
2-Chlorotoluene	Averaged	3.01807	3.21147
4-Chlorotoluene	Averaged	0.88052	0.89206
Dibromochloromethane	Linear	0.31336	0.35271
1,2-Dibromoethane (EDB)	Averaged	0.35419	0.36744
Dibromomethane	Averaged	0.17766	0.18103
1,2-Dichlorobenzene	Averaged	1.40653	1.40591
1,3-Dichlorobenzene	Averaged	1.56171	1.60289
1,4-Dichlorobenzene	Averaged	1.59892	1.61086
trans-1,4-Dichloro-2-butene	Quadratic	0.16370	0.18699
Dichlorodifluoromethane	Averaged	0.39519	0.39676
1,1-Dichloroethane	Averaged	0.57550	0.55099
1,2-Dichloroethane	Averaged	0.50122	0.50913
1,1-Dichloroethene	Averaged	0.23183	0.22456
cis-1,2-Dichloroethene	Averaged	0.31942	0.31708
trans-1,2-Dichloroethene	Averaged	0.24543	0.24477
1,2-Dichloropropane	Averaged	0.33637	0.34955

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	0.67113	0.68013
2,2-Dichloropropane	Linear	0.31208	0.35213
1,1-Dichloropropene	Averaged	0.44540	0.45340
cis-1,3-Dichloropropene	Quadratic	0.60998	0.66966
trans-1,3-Dichloropropene	Quadratic	0.48425	0.56198
Ethylbenzene	Averaged	0.61796	0.61592
Ethyl methacrylate	Linear	0.58602	0.60985
Hexachloro-1,3-butadiene	Linear	0.39694	0.40156
n-Hexane	Averaged	0.50972	0.50879
2-Hexanone	Averaged	0.44022	0.45772
Iodomethane	Quadratic	0.23695	0.25187
Isopropylbenzene (Cumene)	Averaged	1.90030	1.94801
p-Isopropyltoluene	Averaged	3.55757	3.51947
Methylene Chloride	Linear	0.25034	0.24976
4-Methyl-2-pentanone (MIBK)	Averaged	0.62325	0.64207
Methyl-tert-butyl ether	Averaged	0.78681	0.81743
Naphthalene	Averaged	2.72163	2.80141
n-Propylbenzene	Averaged	5.09880	5.16538
Styrene	Averaged	1.21001	1.24657
1,1,1,2-Tetrachloroethane	Quadratic	0.31824	0.35213
1,1,2,2-Tetrachloroethane	Averaged	1.00207	1.04935
Tetrachloroethene	Averaged	0.37392	0.37484
Toluene	Averaged	1.84530	1.85916
1,2,3-Trichlorobenzene	Averaged	0.74480	0.75867
1,2,4-Trichlorobenzene	Averaged	0.81041	0.80763
1,1,1-Trichloroethane	Linear	0.42142	0.46457
1,1,2-Trichloroethane	Averaged	0.30282	0.30441
Trichloroethene	Averaged	0.30489	0.31438
Trichlorofluoromethane	Averaged	0.52039	0.46507
1,2,3-Trichloropropane	Averaged	0.33096	0.34185
1,2,4-Trimethylbenzene	Averaged	3.48738	3.53681
1,3,5-Trimethylbenzene	Averaged	3.40788	3.44775
Vinyl acetate	Averaged	0.87513	0.89370
Vinyl chloride	Averaged	0.38099	0.38819
m&p-Xylene	Averaged	0.73344	0.73615

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	0.70006	0.69736
4-Bromofluorobenzene (S)	Averaged	0.59166	0.60803
Dibromofluoromethane (S)	Averaged	0.24043	0.24265
Toluene-d8 (S)	Averaged	1.45468	1.44618

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99995	0.01085	0.12334	
Acrolein	Averaged	7.60332			0.05125	
Acrylonitrile	Averaged	4.41782			0.15065	
Benzene	Averaged	7.53643			1.19882	
Bromobenzene	Averaged	5.17575			0.78040	
Bromochloromethane	Averaged	14.37320			0.34875	
Bromodichloromethane	Linear		0.99785	-0.02584	0.39114	
Bromoform	Quadratic		0.99980	-0.00950	0.26930	0.02504
Bromomethane	Linear		0.99854	-0.00270	0.10915	
2-Butanone (MEK)	Averaged	4.45888			0.23154	
n-Butylbenzene	Averaged	7.86272			3.31653	
sec-Butylbenzene	Averaged	5.15299			4.02135	
tert-Butylbenzene	Averaged	6.58081			2.95416	
Carbon disulfide	Averaged	6.77233			0.71551	
Carbon tetrachloride	Quadratic		0.99970	-0.00791	0.23631	0.01622
Chlorobenzene	Averaged	3.82385			1.08094	
Chloroethane	Linear		0.99675	0.01398	0.17241	
Chloroform	Averaged	5.45574			0.53243	
Chloromethane	Averaged	9.77738			0.47681	
2-Chlorotoluene	Averaged	4.51458			3.08221	
4-Chlorotoluene	Averaged	5.50802			0.91275	
Dibromochloromethane	Linear		0.99605	-0.03262	0.34988	
1,2-Dibromoethane (EDB)	Averaged	13.07958			0.30991	
Dibromomethane	Averaged	11.09589			0.17035	
1,2-Dichlorobenzene	Averaged	3.35745			1.45690	
1,3-Dichlorobenzene	Averaged	8.65026			1.63523	
1,4-Dichlorobenzene	Averaged	9.88390			1.69131	
trans-1,4-Dichloro-2-butene	Quadratic		0.99994	-0.00150	0.13859	0.00813
Dichlorodifluoromethane	Averaged	6.89568			0.42125	
1,1-Dichloroethane	Averaged	2.77551			0.56853	
1,2-Dichloroethane	Averaged	5.32903			0.50064	
1,1-Dichloroethene	Averaged	4.61089			0.23982	
cis-1,2-Dichloroethene	Averaged	14.10589			0.34640	
trans-1,2-Dichloroethene	Averaged	5.42222			0.25277	
1,2-Dichloropropane	Averaged	5.19581			0.32360	

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	5.87927			0.68365	
2,2-Dichloropropane	Linear		0.99620	-0.02853	0.34852	
1,1-Dichloropropene	Averaged	6.02903			0.43360	
cis-1,3-Dichloropropene	Quadratic		0.99982	-0.01779	0.54381	0.02159
trans-1,3-Dichloropropene	Quadratic		0.99968	-0.01599	0.39662	0.02815
Ethylbenzene	Averaged	4.94804			0.62465	
Ethyl methacrylate	Linear		0.99958	-0.02286	0.60891	
Hexachloro-1,3-butadiene	Linear		0.99996	-0.00460	0.40148	
n-Hexane	Averaged	6.84417			0.54069	
2-Hexanone	Averaged	9.00854			0.40782	
Iodomethane	Quadratic		0.99839	-0.02144	0.20885	0.00381
Isopropylbenzene (Cumene)	Averaged	5.96651			1.82377	
p-Isopropyltoluene	Averaged	5.89726			3.34185	
Methylene Chloride	Linear		0.99992	0.02067	0.24583	
4-Methyl-2-pentanone (MIBK)	Averaged	8.04773			0.58464	
Methyl-tert-butyl ether	Averaged	3.18769			0.79366	
Naphthalene	Averaged	13.77273			2.36914	
n-Propylbenzene	Averaged	7.03513			5.18365	
Styrene	Averaged	6.64673			1.15175	
1,1,1,2-Tetrachloroethane	Quadratic		0.99969	-0.01067	0.27870	0.01262
1,1,2,2-Tetrachloroethane	Averaged	5.03574			0.99320	
Tetrachloroethene	Averaged	5.97769			0.37879	
Toluene	Averaged	3.64435			1.88500	
1,2,3-Trichlorobenzene	Averaged	12.00678			0.67135	
1,2,4-Trichlorobenzene	Averaged	9.16038			0.73536	
1,1,1-Trichloroethane	Linear		0.99769	-0.02930	0.46061	
1,1,2-Trichloroethane	Averaged	11.81661			0.31227	
Trichloroethene	Averaged	13.22604			0.32726	
Trichlorofluoromethane	Averaged	7.67546			0.54462	
1,2,3-Trichloropropane	Averaged	1.65338			0.33425	
1,2,4-Trimethylbenzene	Averaged	6.63567			3.47750	
1,3,5-Trimethylbenzene	Averaged	2.99839			3.34263	
Vinyl acetate	Averaged	7.36519			0.81996	
Vinyl chloride	Averaged	8.90259			0.40899	
m&p-Xylene	Averaged	2.94919			0.73225	

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: 50MV2A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/09/2014 07/09/2014 Calibration Time(s): 16:19 20:09

LAB FILE ID

CAL1 = A070914.B\A06CAL1.D CAL2 = A070914.B\A07CAL2.D CAL3 = A070914.B\A08CAL3.D

CAL4 = A070914.B\A09CAL4.D CAL5 = A070914.B\A10CAL5.D CAL6 = A070914.B\A11CAL6.D

CAL7 = A070914.B\A12CAL7.D CAL8 = A070914.B\A13CAL8.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	6.06043			0.67075	
4-Bromofluorobenzene (S)	Averaged	3.65302			0.57052	
Dibromofluoromethane (S)	Averaged	2.10231			0.23642	
Toluene-d8 (S)	Averaged	0.84312			1.44472	

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D
CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D
CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
Acetone	Linear	0.39149	0.28360	0.18970	0.19458	0.18859	0.14927
Acrolein	Averaged	0.11222	0.09771	0.09344	0.10502	0.09864	0.09266
Acrylonitrile	Averaged	0.27582	0.25754	0.18907	0.23728	0.23077	0.21181
Benzene	Averaged	3.45731	3.55280	2.65630	3.03749	2.73955	2.71100
Bromobenzene	Averaged	1.76422	2.13375	1.44355	1.60948	1.46933	1.48320
Bromochloromethane	Averaged	0.75804	0.73104	0.55773	0.62692	0.58582	0.53829
Bromodichloromethane	Averaged	1.11528	1.07709	0.78293	0.96419	0.92597	0.94203
Bromoform	Linear	1.07846	1.05849	0.74097	0.91291	0.84737	1.08645
Bromomethane	Linear	0.47592	0.46540	0.40237	0.38400	0.39748	0.33947
2-Butanone (MEK)	Averaged	0.37953	0.35985	0.28164	0.27987	0.29551	0.28451
n-Butylbenzene	Averaged	5.95768	6.27826	4.70870	5.51383	5.05527	5.31126
sec-Butylbenzene	Averaged	8.13916	9.18042	6.72754	7.89190	7.10407	7.44581
tert-Butylbenzene	Averaged	7.56625	8.43769	6.41676	6.67720	6.31676	6.75619
Carbon disulfide	Averaged	2.17167	2.10009	1.58425	1.78873	1.69003	1.64202
Carbon tetrachloride	Averaged	1.29465	1.16923	0.80984	0.97423	0.93395	0.99822
Chlorobenzene	Averaged	2.95020	3.23226	2.49260	2.81447	2.66164	2.65349
Chloroethane	Averaged	0.64898	0.42620	0.52997	0.49823	0.51053	0.44555
Chloroform	Averaged	1.89015	1.64352	1.27951	1.42453	1.33890	1.26491
Chloromethane	Averaged	1.51248	1.35054	1.20771	1.19201	1.03433	1.03065
2-Chlorotoluene	Averaged	6.03197	6.56710	4.95800	5.65579	5.18277	5.24904
4-Chlorotoluene	Averaged	2.35021	2.41658	1.94097	2.21621	1.97600	2.03999
Dibromochloromethane	Averaged	0.83930	1.00840	0.66359	0.85758	0.78834	0.90715
1,2-Dibromoethane (EDB)	Averaged	0.85229	1.07100	0.74942	0.90615	0.80786	0.83617
Dibromomethane	Averaged	0.67962	0.66220	0.45810	0.49154	0.47380	0.45426
1,2-Dichlorobenzene	Averaged	3.90589	4.17384	3.15030	3.57759	3.24729	3.37350
1,3-Dichlorobenzene	Averaged	3.83538	4.45371	3.28159	3.85802	3.49678	3.72293
1,4-Dichlorobenzene	Averaged	4.08532	4.44026	3.34815	3.89482	3.55238	3.65126
trans-1,4-Dichloro-2-butene	Linear	0.48492	0.42866	0.19067	0.21945	0.20554	0.22819
Dichlorodifluoromethane	Averaged	1.07262	1.14134	1.16512	1.17089	1.07350	1.04406
1,1-Dichloroethane	Averaged	1.60472	1.52121	1.14192	1.30253	1.20048	1.15014
1,2-Dichloroethane	Averaged	1.13872	1.16680	0.95233	1.09828	1.00565	0.98609
1,1-Dichloroethene	Averaged	0.74212	0.94427	0.63548	0.68233	0.63475	0.62495
cis-1,2-Dichloroethene	Averaged	1.19941	1.14781	0.79874	0.91380	0.83728	0.79516
trans-1,2-Dichloroethene	Averaged	0.96926	0.92528	0.69695	0.80278	0.75047	0.70019
1,2-Dichloropropane	Averaged	0.88423	0.92420	0.70806	0.78984	0.75656	0.70458

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D
CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D
CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
1,3-Dichloropropane	Averaged	1.38878	1.60367	1.15350	1.36420	1.24521	1.27127
2,2-Dichloropropane	Averaged	1.25739	1.31511	1.00198	1.00917	0.92743	0.94739
1,1-Dichloropropene	Averaged	1.15524	1.27874	0.94129	1.10836	1.03157	0.99640
cis-1,3-Dichloropropene	Averaged	1.44212	1.55466	1.22539	1.42471	1.31651	1.40873
trans-1,3-Dichloropropene	Averaged	1.14141	1.35343	0.98986	1.17808	1.08856	1.19646
Ethylbenzene	Averaged	1.92212	1.87106	1.33521	1.58083	1.42465	1.43320
Ethyl methacrylate	Averaged	1.25966	1.23664	0.99321	1.06640	0.96500	1.00057
Hexachloro-1,3-butadiene	Averaged	1.12002	1.10094	0.79510	0.93769	0.84614	0.94230
n-Hexane	Linear	1.24177	1.16465	0.80004	0.86923	0.75749	0.77859
2-Hexanone	Averaged	0.54513	0.66140	0.47442	0.51414	0.49307	0.49751
Iodomethane	Linear	0.56620	0.59478	0.54476	0.74126	0.93343	0.96877
Isopropylbenzene (Cumene)	Averaged	4.76810	5.36342	3.92961	4.49969	4.03096	4.08907
p-Isopropyltoluene	Averaged	7.56562	7.88871	6.19192	6.90453	6.38885	6.79143
Methylene Chloride	Linear	3.04749	1.88612	1.23463	1.02833	0.81260	0.70281
4-Methyl-2-pentanone (MIBK)	Averaged	0.89264	0.92946	0.67426	0.75026	0.70529	0.71888
Methyl-tert-butyl ether	Averaged	2.16867	2.31225	1.81803	2.06744	1.90412	1.83631
Naphthalene	Averaged	8.20653	6.73245	5.11529	5.66926	5.11030	5.64377
n-Propylbenzene	Averaged	9.48205	10.42728	7.97347	9.12146	8.43582	8.83939
Styrene	Averaged	3.13371	3.41909	2.74184	2.98239	2.82871	2.79877
1,1,1,2-Tetrachloroethane	Averaged	0.93895	1.05305	0.82217	0.93395	0.87169	0.97046
1,1,2,2-Tetrachloroethane	Averaged	1.76848	2.31013	1.50668	1.86316	1.70583	1.79041
Tetrachloroethene	Averaged	1.37334	1.43738	1.05427	1.19607	1.06891	1.09821
Toluene	Averaged	4.73126	4.63907	3.59602	4.14631	3.70390	3.75104
1,2,3-Trichlorobenzene	Averaged	1.92902	2.09634	1.49113	1.83207	1.66819	1.79322
1,2,4-Trichlorobenzene	Averaged	2.17519	2.05179	1.63415	2.00945	1.88530	2.05683
1,1,1-Trichloroethane	Averaged	1.58068	1.61132	1.21882	1.31751	1.19044	1.20101
1,1,2-Trichloroethane	Averaged	0.82422	1.01277	0.59303	0.67031	0.63713	0.62915
Trichloroethene	Averaged	1.09545	1.10699	0.79266	0.92087	0.84643	0.81985
Trichlorofluoromethane	Averaged	1.51068	1.15050	1.36934	1.37318	1.33190	1.20638
1,2,3-Trichloropropane	Averaged	0.59558	0.65393	0.44249	0.59056	0.54708	0.55667
1,2,4-Trimethylbenzene	Averaged	7.70601	8.87244	6.11956	6.91544	6.25022	6.52561
1,3,5-Trimethylbenzene	Averaged	7.68776	8.09473	6.01554	6.90998	6.12182	6.41741
Vinyl acetate	Averaged	1.47372	1.34043	1.23484	1.30909	1.30776	1.32409
Vinyl chloride	Averaged	1.08824	0.80997	0.92502	1.00738	0.90475	0.86938
m&p-Xylene	Averaged	1.99300	2.16538	1.67643	1.87209	1.70508	1.68726

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL1	CAL2	CAL3	CAL4	CAL5	CAL6
o-Xylene	Averaged	2.05194	2.05999	1.64302	1.81615	1.65405	1.65002
4-Bromofluorobenzene (S)	Averaged	0.50909	0.50762	0.50082	0.47649	0.49582	0.49241
Dibromofluoromethane (S)	Averaged	0.28982	0.26721	0.27378	0.27018	0.28611	0.27410
Toluene-d8 (S)	Averaged	1.24616	1.25467	1.26242	1.22042	1.25757	1.24945

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
Acetone	Linear	0.15802	0.15969
Acrolein	Averaged	0.09392	0.07865
Acrylonitrile	Averaged	0.20243	0.17696
Benzene	Averaged	2.83479	2.92657
Bromobenzene	Averaged	1.53173	1.49679
Bromochloromethane	Averaged	0.54788	0.51773
Bromodichloromethane	Averaged	1.03022	1.08784
Bromoform	Linear	1.27014	1.37927
Bromomethane	Linear		
2-Butanone (MEK)	Averaged	0.29235	0.31572
n-Butylbenzene	Averaged	5.49788	5.13236
sec-Butylbenzene	Averaged	7.78011	7.41029
tert-Butylbenzene	Averaged	6.89429	6.88031
Carbon disulfide	Averaged	1.65761	1.54370
Carbon tetrachloride	Averaged	1.10254	1.16898
Chlorobenzene	Averaged	2.72595	2.75124
Chloroethane	Averaged		
Chloroform	Averaged	1.35220	1.39426
Chloromethane	Averaged	1.05767	1.12908
2-Chlorotoluene	Averaged	5.33138	5.04573
4-Chlorotoluene	Averaged	2.10369	1.86642
Dibromochloromethane	Averaged	1.00971	1.08448
1,2-Dibromoethane (EDB)	Averaged	0.87663	0.91980
Dibromomethane	Averaged	0.49277	0.51298
1,2-Dichlorobenzene	Averaged	3.54368	3.40843
1,3-Dichlorobenzene	Averaged	3.86393	3.83963
1,4-Dichlorobenzene	Averaged	3.86543	3.94747
trans-1,4-Dichloro-2-butene	Linear	0.23265	0.24724
Dichlorodifluoromethane	Averaged	1.08463	1.05401
1,1-Dichloroethane	Averaged	1.20288	1.26601
1,2-Dichloroethane	Averaged	1.04327	1.06006
1,1-Dichloroethene	Averaged	0.61909	0.55359
cis-1,2-Dichloroethene	Averaged	0.85714	0.89206
trans-1,2-Dichloroethene	Averaged	0.66507	0.60469
1,2-Dichloropropane	Averaged	0.73771	0.77287

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
1,3-Dichloropropane	Averaged	1.29432	1.33889
2,2-Dichloropropane	Averaged	1.01183	1.06054
1,1-Dichloropropene	Averaged	1.03932	1.05716
cis-1,3-Dichloropropene	Averaged	1.46285	1.53720
trans-1,3-Dichloropropene	Averaged	1.27900	1.36263
Ethylbenzene	Averaged	1.44735	1.42787
Ethyl methacrylate	Averaged	1.01292	1.03590
Hexachloro-1,3-butadiene	Averaged	1.00211	1.08079
n-Hexane	Linear	0.81771	0.85832
2-Hexanone	Averaged	0.48480	0.47102
Iodomethane	Linear	1.08036	0.95736
Isopropylbenzene (Cumene)	Averaged	4.16144	3.89521
p-Isopropyltoluene	Averaged	6.88036	6.61843
Methylene Chloride	Linear	0.71267	0.73745
4-Methyl-2-pentanone (MIBK)	Averaged	0.71484	0.68916
Methyl-tert-butyl ether	Averaged	1.77940	1.62597
Naphthalene	Averaged	5.71069	5.79448
n-Propylbenzene	Averaged	8.56795	8.03061
Styrene	Averaged	2.81867	2.54831
1,1,1,2-Tetrachloroethane	Averaged	1.03659	1.07099
1,1,2,2-Tetrachloroethane	Averaged	1.83280	1.81884
Tetrachloroethene	Averaged	1.12270	1.19490
Toluene	Averaged	3.79606	3.84826
1,2,3-Trichlorobenzene	Averaged	1.93425	2.09433
1,2,4-Trichlorobenzene	Averaged	2.20064	2.36698
1,1,1-Trichloroethane	Averaged	1.25898	1.32041
1,1,2-Trichloroethane	Averaged	0.65277	0.67467
Trichloroethene	Averaged	0.85048	0.87352
Trichlorofluoromethane	Averaged	1.15311	0.87645
1,2,3-Trichloropropane	Averaged	0.56623	0.58405
1,2,4-Trimethylbenzene	Averaged	6.43049	6.12760
1,3,5-Trimethylbenzene	Averaged	6.34705	5.54911
Vinyl acetate	Averaged	1.38415	1.24353
Vinyl chloride	Averaged	0.92031	0.91171
m&p-Xylene	Averaged	1.66825	1.40262

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	CAL7	CAL8
o-Xylene	Averaged	1.66091	1.55235
4-Bromofluorobenzene (S)	Averaged	0.47051	0.48497
Dibromofluoromethane (S)	Averaged	0.27969	0.27438
Toluene-d8 (S)	Averaged	1.23353	1.24573

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
Acetone	Linear		0.99979	0.00459	0.15896	
Acrolein	Averaged	10.17198			0.09653	
Acrylonitrile	Averaged	14.26807			0.22386	
Benzene	Averaged	11.43079			2.98948	
Bromobenzene	Averaged	14.41871			1.61651	
Bromochloromethane	Averaged	14.92778			0.60793	
Bromodichloromethane	Averaged	11.08442			0.99069	
Bromoform	Linear		0.99799	-0.09091	1.37147	
Bromomethane	Linear		0.99906	0.00442	0.33650	
2-Butanone (MEK)	Averaged	12.28439			0.31112	
n-Butylbenzene	Averaged	9.26510			5.43191	
sec-Butylbenzene	Averaged	9.65187			7.70991	
tert-Butylbenzene	Averaged	9.94141			6.99318	
Carbon disulfide	Averaged	13.34802			1.77226	
Carbon tetrachloride	Averaged	14.76049			1.05646	
Chlorobenzene	Averaged	8.03784			2.78523	
Chloroethane	Averaged	15.44897			0.50991	
Chloroform	Averaged	14.76417			1.44850	
Chloromethane	Averaged	14.24541			1.18931	
2-Chlorotoluene	Averaged	10.04348			5.50272	
4-Chlorotoluene	Averaged	9.35400			2.11376	
Dibromochloromethane	Averaged	15.31705			0.89482	
1,2-Dibromoethane (EDB)	Averaged	10.86800			0.87742	
Dibromomethane	Averaged	17.09394			0.52816	
1,2-Dichlorobenzene	Averaged	9.64295			3.54757	
1,3-Dichlorobenzene	Averaged	8.93246			3.79400	
1,4-Dichlorobenzene	Averaged	8.75993			3.84814	
trans-1,4-Dichloro-2-butene	Linear		0.99916	-0.00634	0.24536	
Dichlorodifluoromethane	Averaged	4.59419			1.10077	
1,1-Dichloroethane	Averaged	13.32740			1.29874	
1,2-Dichloroethane	Averaged	7.08858			1.05640	
1,1-Dichloroethene	Averaged	17.62765			0.67957	
cis-1,2-Dichloroethene	Averaged	16.80495			0.93017	
trans-1,2-Dichloroethene	Averaged	16.66404			0.76434	
1,2-Dichloropropane	Averaged	10.19722			0.78476	

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
1,3-Dichloropropane	Averaged	9.93259			1.33248	
2,2-Dichloropropane	Averaged	13.36814			1.06636	
1,1-Dichloropropene	Averaged	9.72098			1.07601	
cis-1,3-Dichloropropene	Averaged	7.65593			1.42152	
trans-1,3-Dichloropropene	Averaged	10.77264			1.19868	
Ethylbenzene	Averaged	14.23730			1.55529	
Ethyl methacrylate	Averaged	10.57875			1.07129	
Hexachloro-1,3-butadiene	Averaged	12.22979			0.97814	
n-Hexane	Linear		0.99936	-0.01975	0.85302	
2-Hexanone	Averaged	12.12125			0.51769	
Iodomethane	Linear		0.99652	0.02662	0.97856	
Isopropylbenzene (Cumene)	Averaged	11.71954			4.34219	
p-Isopropyltoluene	Averaged	8.25699			6.90373	
Methylene Chloride	Linear		0.99958	0.01014	0.72973	
4-Methyl-2-pentanone (MIBK)	Averaged	12.73833			0.75935	
Methyl-tert-butyl ether	Averaged	11.66970			1.93903	
Naphthalene	Averaged	17.07474			5.99785	
n-Propylbenzene	Averaged	9.20045			8.85975	
Styrene	Averaged	9.19554			2.90893	
1,1,1,2-Tetrachloroethane	Averaged	9.19764			0.96223	
1,1,2,2-Tetrachloroethane	Averaged	12.37447			1.82454	
Tetrachloroethene	Averaged	11.88720			1.19322	
Toluene	Averaged	10.85164			4.02649	
1,2,3-Trichlorobenzene	Averaged	11.14121			1.85482	
1,2,4-Trichlorobenzene	Averaged	10.77217			2.04754	
1,1,1-Trichloroethane	Averaged	12.48991			1.33740	
1,1,2-Trichloroethane	Averaged	19.60625			0.71176	
Trichloroethene	Averaged	13.34884			0.91328	
Trichlorofluoromethane	Averaged	15.60111			1.24644	
1,2,3-Trichloropropane	Averaged	10.58601			0.56707	
1,2,4-Trimethylbenzene	Averaged	14.05238			6.86842	
1,3,5-Trimethylbenzene	Averaged	13.06247			6.64293	
Vinyl acetate	Averaged	5.77586			1.32720	
Vinyl chloride	Averaged	9.10967			0.92960	
m&p-Xylene	Averaged	13.18175			1.77126	

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: 50MV4A GC Column: Col 1 SDG No.: 50100317

Calibration Date(s): 07/04/2014 07/04/2014 Calibration Time(s): 00:17 04:02

LAB FILE ID

CAL1 = A070314CAL.B\A02.D CAL2 = A070314CAL.B\A03.D CAL3 = A070314CAL.B\A04.D

CAL4 = A070314CAL.B\A05.D CAL5 = A070314CAL.B\A06.D CAL6 = A070314CAL.B\A07.D

CAL7 = A070314CAL.B\A08.D CAL8 = A070314CAL.B\A09.D

COMPOUND	CURVE TYPE	%RSD	R2	A1	A2	A3
o-Xylene	Averaged	11.11735			1.76105	
4-Bromofluorobenzene (S)	Averaged	2.85264			0.49222	
Dibromofluoromethane (S)	Averaged	2.80550			0.27691	
Toluene-d8 (S)	Averaged	1.09336			1.24624	

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

SAMPLE NO.

6947553ICV

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/09/2014 Time: 21:15

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A070914.B\A15ICV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	248.6749	0.0100	-0.5300	20.0000
Acrolein	Averaged	0.05125	0.07476	0.0000	-6.9981	20.0000
Acrylonitrile	Averaged	0.15065	0.14173	0.1000	-2.9777	20.0000
Benzene	Averaged	1.19882	1.22217	0.5000	-1.7577	20.0000
Bromobenzene	Averaged	0.78040	0.80223	0.0000	2.5210	20.0000
Bromochloromethane	Averaged	0.34875	0.32467	0.0000	-4.2488	20.0000
Bromodichloromethane	Linear	50	43.75830	0.2000	-12.4834	20.0000
Bromoform	Quadratic	50	45.94648	0.1000	-8.1070	20.0000
Bromomethane	Linear	50	74.78962	0.1000	49.5792	20.0000
2-Butanone (MEK)	Averaged	0.23154	0.22100	0.0100	-4.9873	20.0000
n-Butylbenzene	Averaged	3.31653	3.52479	0.0000	8.8012	20.0000
sec-Butylbenzene	Averaged	4.02135	4.27731	0.0000	7.3341	20.0000
tert-Butylbenzene	Averaged	2.95416	2.91672	0.0000	6.9996	20.0000
Carbon disulfide	Averaged	0.71551	0.72766	0.1000	1.7722	20.0000
Carbon tetrachloride	Quadratic	50	46.02540	0.1000	-7.9492	20.0000
Chlorobenzene	Averaged	1.08094	1.09608	0.5000	0.6362	20.0000
Chloroethane	Linear	50	55.75084	0.1000	11.5017	20.0000
Chloroform	Averaged	0.53243	0.54268	0.2000	1.1900	20.0000
Chloromethane	Averaged	0.47681	0.41111	0.1000	-13.3776	20.0000
2-Chlorotoluene	Averaged	3.08221	3.07024	0.0000	0.9266	20.0000
4-Chlorotoluene	Averaged	0.91275	0.94652	0.0000	3.1816	20.0000
Dibromochloromethane	Linear	50	39.63884	0.1000	-20.7223	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.30991	0.33795	0.1000	7.4610	20.0000
Dibromomethane	Averaged	0.17035	0.16919	0.0000	0.7365	20.0000
1,2-Dichlorobenzene	Averaged	1.45690	1.50416	0.4000	2.7361	20.0000
1,3-Dichlorobenzene	Averaged	1.63523	1.60146	0.6000	-1.6730	20.0000
1,4-Dichlorobenzene	Averaged	1.69131	1.62796	0.5000	-1.3226	20.0000
trans-1,4-Dichloro-2-butene	Quadratic	50	185.2329	0.0000	270.4658	20.0000
Dichlorodifluoromethane	Averaged	0.42125	0.45504	0.1000	-15.6290	20.0000
1,1-Dichloroethane	Averaged	0.56853	0.58390	0.2000	4.2270	20.0000
1,2-Dichloroethane	Averaged	0.50064	0.50815	0.1000	-3.0736	20.0000
1,1-Dichloroethene	Averaged	0.23982	0.22545	0.1000	-1.1845	20.0000
cis-1,2-Dichloroethene	Averaged	0.34640	0.31964	0.1000	-5.4489	20.0000
trans-1,2-Dichloroethene	Averaged	0.25277	0.24587	0.1000	2.2641	20.0000
1,2-Dichloropropane	Averaged	0.32360	0.33544	0.1000	0.2274	20.0000
1,3-Dichloropropane	Averaged	0.68365	0.67642	0.0000	0.8452	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.

6947553ICV

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/09/2014 Time: 21:15

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A070914.B\A15ICV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	42.39361	0.0000	-15.2128	20.0000
1,1-Dichloropropene	Averaged	0.43360	0.43275	0.0000	2.7597	20.0000
cis-1,3-Dichloropropene	Quadratic	50	45.07777	0.2000	-9.8445	20.0000
trans-1,3-Dichloropropene	Quadratic	50	45.62919	0.1000	-8.7416	20.0000
Ethylbenzene	Averaged	0.62465	0.62772	0.1000	2.3227	20.0000
Ethyl methacrylate	Linear	50	195.3956	0.0000	290.7913	20.0000
Hexachloro-1,3-butadiene	Linear	50	48.73774	0.0000	-2.5245	20.0000
n-Hexane	Averaged	0.54069	0.47306	0.0000	-8.1786	20.0000
2-Hexanone	Averaged	0.40782	0.43805	0.0500	6.6050	20.0000
Iodomethane	Quadratic	100	84.15717	0.0000	-15.8428	20.0000
Isopropylbenzene (Cumene)	Averaged	1.82377	2.02329	0.1000	6.1639	20.0000
p-Isopropyltoluene	Averaged	3.34185	3.53928	0.0000	9.0027	20.0000
Methylene Chloride	Linear	50	49.86463	0.1000	-0.2707	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.58464	0.62550	0.0500	6.4872	20.0000
Methyl-tert-butyl ether	Averaged	0.79366	0.77387	0.1000	0.6058	20.0000
Naphthalene	Averaged	2.36914	2.61186	0.0000	12.3176	20.0000
n-Propylbenzene	Averaged	5.18365	5.34656	0.0000	0.9293	20.0000
Styrene	Averaged	1.15175	1.26968	0.3000	7.8894	20.0000
1,1,1,2-Tetrachloroethane	Quadratic	50	46.45695	0.1000	-7.0861	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.99320	1.01361	0.3000	3.0345	20.0000
Tetrachloroethene	Averaged	0.37879	0.37822	0.2000	3.2116	20.0000
Toluene	Averaged	1.88500	1.90086	0.4000	0.7806	20.0000
1,2,3-Trichlorobenzene	Averaged	0.67135	0.73932	0.0000	9.8172	20.0000
1,2,4-Trichlorobenzene	Averaged	0.73536	0.79523	0.2000	12.4869	20.0000
1,1,1-Trichloroethane	Linear	50	43.69655	0.1000	-12.6069	20.0000
1,1,2-Trichloroethane	Averaged	0.31227	0.30634	0.1000	-1.2527	20.0000
Trichloroethene	Averaged	0.32726	0.30444	0.2000	-6.1318	20.0000
Trichlorofluoromethane	Averaged	0.54462	0.50585	0.1000	-8.3421	20.0000
1,2,3-Trichloropropane	Averaged	0.33425	0.33262	0.0000	-0.4571	20.0000
1,2,4-Trimethylbenzene	Averaged	3.47750	3.55601	0.0000	3.4039	20.0000
1,3,5-Trimethylbenzene	Averaged	3.34263	3.45530	0.0000	5.1345	20.0000
Vinyl acetate	Averaged	0.81996	0.85894	0.0000	2.5552	20.0000
Vinyl chloride	Averaged	0.40899	0.39604	0.1000	-10.4592	20.0000
m&p-Xylene	Averaged	0.73225	0.76513	0.1000	3.4582	20.0000
o-Xylene	Averaged	0.67075	0.73557	0.3000	7.8000	20.0000
4-Bromofluorobenzene (S)	Averaged	0.57052	0.58590	0.1000	3.1429	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.

6947553ICV

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/09/2014 Time: 21:15

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A070914.B\A15ICV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23642	0.23669	0.1000	1.5831	20.0000
Toluene-d8 (S)	Averaged	1.44472	1.44683	0.1000	1.8688	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.

6975588CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/16/2014 Time: 12:13

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A071614.B\A01CCV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	309.5917	0.0100	23.8367	20.0000
Acrolein	Averaged	0.05125	0.06951	0.0000	35.6206	20.0000
Acrylonitrile	Averaged	0.15065	0.19032	0.1000	26.3338	20.0000
Benzene	Averaged	1.19882	1.23712	0.5000	3.1948	20.0000
Bromobenzene	Averaged	0.78040	0.81425	0.0000	4.3373	20.0000
Bromochloromethane	Averaged	0.34875	0.34797	0.0000	-0.2220	20.0000
Bromodichloromethane	Linear	50	43.03706	0.2000	-13.9259	20.0000
Bromoform	Quadratic	50	43.79743	0.1000	-12.4051	20.0000
Bromomethane	Linear	50	49.01516	0.1000	-1.9697	20.0000
2-Butanone (MEK)	Averaged	0.23154	0.24081	0.0100	4.0030	20.0000
n-Butylbenzene	Averaged	3.31653	3.70688	0.0000	11.7700	20.0000
sec-Butylbenzene	Averaged	4.02135	4.27293	0.0000	6.2562	20.0000
tert-Butylbenzene	Averaged	2.95416	3.08134	0.0000	4.3053	20.0000
Carbon disulfide	Averaged	0.71551	0.84258	0.1000	17.7605	20.0000
Carbon tetrachloride	Quadratic	50	43.52474	0.1000	-12.9505	20.0000
Chlorobenzene	Averaged	1.08094	1.08387	0.5000	0.2704	20.0000
Chloroethane	Linear	50	71.90326	0.1000	43.8065	20.0000
Chloroform	Averaged	0.53243	0.55482	0.2000	4.2039	20.0000
Chloromethane	Averaged	0.47681	0.54787	0.1000	14.9030	20.0000
2-Chlorotoluene	Averaged	3.08221	3.08174	0.0000	-0.0155	20.0000
4-Chlorotoluene	Averaged	0.91275	0.94213	0.0000	3.2182	20.0000
Dibromochloromethane	Linear	50	39.83026	0.1000	-20.3395	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.30991	0.34173	0.1000	10.2688	20.0000
Dibromomethane	Averaged	0.17035	0.18193	0.0000	6.8001	20.0000
1,2-Dichlorobenzene	Averaged	1.45690	1.53404	0.4000	5.2952	20.0000
1,3-Dichlorobenzene	Averaged	1.63523	1.62839	0.6000	-0.4181	20.0000
1,4-Dichlorobenzene	Averaged	1.69131	1.68502	0.5000	-0.3721	20.0000
trans-1,4-Dichloro-2-butene	Quadratic	50	50.70929	0.0000	1.4186	20.0000
Dichlorodifluoromethane	Averaged	0.42125	0.40973	0.1000	-2.7340	20.0000
1,1-Dichloroethane	Averaged	0.56853	0.68598	0.2000	20.6586	20.0000
1,2-Dichloroethane	Averaged	0.50064	0.51173	0.1000	2.2152	20.0000
1,1-Dichloroethene	Averaged	0.23982	0.27168	0.1000	13.2855	20.0000
cis-1,2-Dichloroethene	Averaged	0.34640	0.33905	0.1000	-2.1211	20.0000
trans-1,2-Dichloroethene	Averaged	0.25277	0.30710	0.1000	21.4933	20.0000
1,2-Dichloropropane	Averaged	0.32360	0.34095	0.1000	5.3620	20.0000
1,3-Dichloropropane	Averaged	0.68365	0.69720	0.0000	1.9831	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.

6975588CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/16/2014 Time: 12:13

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A071614.B\A01CCV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Linear	50	38.62374	0.0000	-22.7525	20.0000
1,1-Dichloropropene	Averaged	0.43360	0.44647	0.0000	2.9684	20.0000
cis-1,3-Dichloropropene	Quadratic	50	45.4261	0.2000	-9.1478	20.0000
trans-1,3-Dichloropropene	Quadratic	50	42.26445	0.1000	-15.4711	20.0000
Ethylbenzene	Averaged	0.62465	0.64180	0.1000	2.7455	20.0000
Ethyl methacrylate	Linear	50	47.20292	0.0000	-5.5942	20.0000
Hexachloro-1,3-butadiene	Linear	50	48.87369	0.0000	-2.2526	20.0000
n-Hexane	Averaged	0.54069	0.63394	0.0000	17.2451	20.0000
2-Hexanone	Averaged	0.40782	0.45256	0.0500	10.9706	20.0000
Iodomethane	Quadratic	100	104.8880	0.0000	4.8880	20.0000
Isopropylbenzene (Cumene)	Averaged	1.82377	1.92136	0.1000	5.3510	20.0000
p-Isopropyltoluene	Averaged	3.34185	3.60930	0.0000	8.0028	20.0000
Methylene Chloride	Linear	50	58.96814	0.1000	17.9363	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.58464	0.65468	0.0500	11.9794	20.0000
Methyl-tert-butyl ether	Averaged	0.79366	0.89697	0.1000	13.0171	20.0000
Naphthalene	Averaged	2.36914	2.74303	0.0000	15.7819	20.0000
n-Propylbenzene	Averaged	5.18365	5.24991	0.0000	1.2781	20.0000
Styrene	Averaged	1.15175	1.27144	0.3000	10.3919	20.0000
1,1,1,2-Tetrachloroethane	Quadratic	50	44.60011	0.1000	-10.7998	20.0000
1,1,2,2-Tetrachloroethane	Averaged	0.99320	1.06963	0.3000	7.6952	20.0000
Tetrachloroethene	Averaged	0.37879	0.38700	0.2000	2.1668	20.0000
Toluene	Averaged	1.88500	1.93107	0.4000	2.4441	20.0000
1,2,3-Trichlorobenzene	Averaged	0.67135	0.75468	0.0000	12.4113	20.0000
1,2,4-Trichlorobenzene	Averaged	0.73536	0.82353	0.2000	11.9896	20.0000
1,1,1-Trichloroethane	Linear	50	41.33537	0.1000	-17.3292	20.0000
1,1,2-Trichloroethane	Averaged	0.31227	0.31808	0.1000	1.8612	20.0000
Trichloroethene	Averaged	0.32726	0.31217	0.2000	-4.6119	20.0000
Trichlorofluoromethane	Averaged	0.54462	0.57722	0.1000	5.9851	20.0000
1,2,3-Trichloropropane	Averaged	0.33425	0.34315	0.0000	2.6624	20.0000
1,2,4-Trimethylbenzene	Averaged	3.47750	3.54580	0.0000	1.9641	20.0000
1,3,5-Trimethylbenzene	Averaged	3.34263	3.53275	0.0000	5.6878	20.0000
Vinyl acetate	Averaged	0.81996	1.06568	0.0000	29.9675	20.0000
Vinyl chloride	Averaged	0.40899	0.46792	0.1000	14.4074	20.0000
m&p-Xylene	Averaged	0.73225	0.78044	0.1000	6.5811	20.0000
o-Xylene	Averaged	0.67075	0.74141	0.3000	10.5345	20.0000
4-Bromofluorobenzene (S)	Averaged	0.57052	0.57741	0.1000	1.2080	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.

6975588CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/16/2014 Time: 12:13

Instrument ID: 50MV2A GC Column: Col 1 Init. Calib. Date(s): 07/09/2014 07/09/2014

Lab File ID: A071614.B\A01CCV.D Init. Calib. Time(s): 15:46 20:09

SDG No.: 50100317

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.23642	0.23685	0.1000	0.1823	20.0000
Toluene-d8 (S)	Averaged	1.44472	1.46869	0.1000	1.6596	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.

6936389ICV

MSV - FORM VII VOA-1
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/04/2014 Time: 05:06

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A070314CAL.B\A11ICV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	311.4278	0.0100	24.5711	20.0000
Acrolein	Averaged	0.09653	0.13896	0.0000	12.0490	20.0000
Acrylonitrile	Averaged	0.22386	0.24529	0.0000	10.4893	20.0000
Benzene	Averaged	2.98948	3.42926	0.5000	1.9307	20.0000
Bromobenzene	Averaged	1.61651	1.75866	0.0000	2.8235	20.0000
Bromochloromethane	Averaged	0.60793	0.62699	0.0000	-1.4685	20.0000
Bromodichloromethane	Averaged	0.99069	1.12295	0.2000	6.2725	20.0000
Bromoform	Linear	50	47.43968	0.1000	-5.1206	20.0000
Bromomethane	Linear	50	104.2993	0.1000	108.5987	20.0000
2-Butanone (MEK)	Averaged	0.31112	0.34641	0.0100	4.8526	20.0000
n-Butylbenzene	Averaged	5.43191	6.07175	0.0000	9.0136	20.0000
sec-Butylbenzene	Averaged	7.70991	8.71994	0.0000	9.2315	20.0000
tert-Butylbenzene	Averaged	6.99318	6.64511	0.0000	15.0113	20.0000
Carbon disulfide	Averaged	1.77226	2.28974	0.1000	3.8241	20.0000
Carbon tetrachloride	Averaged	1.05646	1.15377	0.1000	5.9349	20.0000
Chlorobenzene	Averaged	2.78523	3.15598	0.5000	5.2342	20.0000
Chloroethane	Averaged	0.50991	0.54927	0.1000	-1.5061	20.0000
Chloroform	Averaged	1.44850	1.55458	0.2000	0.4821	20.0000
Chloromethane	Averaged	1.18931	1.01905	0.1000	-10.7419	20.0000
2-Chlorotoluene	Averaged	5.50272	6.09624	0.0000	5.4629	20.0000
4-Chlorotoluene	Averaged	2.11376	2.45497	0.0000	11.2493	20.0000
Dibromochloromethane	Averaged	0.89482	1.03790	0.1000	12.4805	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.87742	0.97572	0.1000	7.1652	20.0000
Dibromomethane	Averaged	0.52816	0.51239	0.0000	-2.0423	20.0000
1,2-Dichlorobenzene	Averaged	3.54757	3.98785	0.4000	10.4917	20.0000
1,3-Dichlorobenzene	Averaged	3.79400	4.36765	0.6000	10.7071	20.0000
1,4-Dichlorobenzene	Averaged	3.84814	4.40343	0.5000	10.5640	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	219.0717	0.0000	338.1435	20.0000
Dichlorodifluoromethane	Averaged	1.10077	1.11865	0.1000	4.1141	20.0000
1,1-Dichloroethane	Averaged	1.29874	1.45679	0.2000	0.9858	20.0000
1,2-Dichloroethane	Averaged	1.05640	1.14874	0.1000	6.2419	20.0000
1,1-Dichloroethene	Averaged	0.67957	0.76097	0.1000	2.9600	20.0000
cis-1,2-Dichloroethene	Averaged	0.93017	0.98107	0.1000	-1.3130	20.0000
trans-1,2-Dichloroethene	Averaged	0.76434	0.84528	0.1000	4.0681	20.0000
1,2-Dichloropropane	Averaged	0.78476	0.82548	0.1000	-1.4410	20.0000
1,3-Dichloropropane	Averaged	1.33248	1.44096	0.0000	6.3718	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.

6936389ICV

MSV - FORM VII VOA-2
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/04/2014 Time: 05:06

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A070314CAL.B\A11ICV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	1.06636	1.09554	0.0000	-6.1466	20.0000
1,1-Dichloropropene	Averaged	1.07601	1.15638	0.0000	2.1289	20.0000
cis-1,3-Dichloropropene	Averaged	1.42152	1.59962	0.2000	7.6156	20.0000
trans-1,3-Dichloropropene	Averaged	1.19868	1.35265	0.1000	9.1371	20.0000
Ethylbenzene	Averaged	1.55529	1.67646	0.1000	1.9125	20.0000
Ethyl methacrylate	Averaged	1.07129	4.39286	0.0000	4.3277	20.0000
Hexachloro-1,3-butadiene	Averaged	0.97814	0.97947	0.0000	3.7251	20.0000
n-Hexane	Linear	50	51.69046	0.0000	3.3809	20.0000
2-Hexanone	Averaged	0.51769	0.58369	0.0500	7.2800	20.0000
Iodomethane	Linear	100	137.6026	0.0000	37.6026	20.0000
Isopropylbenzene (Cumene)	Averaged	4.34219	4.97531	0.1000	5.5064	20.0000
p-Isopropyltoluene	Averaged	6.90373	7.66229	0.0000	10.0971	20.0000
Methylene Chloride	Linear	50	56.72648	0.1000	13.4530	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.75935	0.85350	0.1000	6.8684	20.0000
Methyl-tert-butyl ether	Averaged	1.93903	2.08444	0.1000	8.5938	20.0000
Naphthalene	Averaged	5.99785	5.97676	0.0000	5.9160	20.0000
n-Propylbenzene	Averaged	8.85975	10.06361	0.0000	9.1429	20.0000
Styrene	Averaged	2.90893	3.42573	0.3000	9.4155	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.96223	1.16308	0.0000	12.1944	20.0000
1,1,2,2-Tetrachloroethane	Averaged	1.82454	1.98243	0.3000	11.7642	20.0000
Tetrachloroethene	Averaged	1.19322	1.23533	0.2000	1.1863	20.0000
Toluene	Averaged	4.02649	4.55758	0.4000	2.7176	20.0000
1,2,3-Trichlorobenzene	Averaged	1.85482	2.04396	0.0000	8.5952	20.0000
1,2,4-Trichlorobenzene	Averaged	2.04754	2.22971	0.2000	10.5767	20.0000
1,1,1-Trichloroethane	Averaged	1.33740	1.38549	0.1000	-1.5488	20.0000
1,1,2-Trichloroethane	Averaged	0.71176	0.72443	0.1000	-0.6993	20.0000
Trichloroethene	Averaged	0.91328	0.94282	0.2000	-1.3949	20.0000
Trichlorofluoromethane	Averaged	1.24644	1.33080	0.1000	8.8192	20.0000
1,2,3-Trichloropropane	Averaged	0.56707	0.61066	0.0000	12.6316	20.0000
1,2,4-Trimethylbenzene	Averaged	6.86842	7.74057	0.0000	6.5680	20.0000
1,3,5-Trimethylbenzene	Averaged	6.64293	7.42242	0.0000	8.4477	20.0000
Vinyl acetate	Averaged	1.32720	1.53166	0.0000	15.8595	20.0000
Vinyl chloride	Averaged	0.92960	1.01452	0.1000	4.5132	20.0000
m&p-Xylene	Averaged	1.77126	2.07194	0.1000	6.9256	20.0000
o-Xylene	Averaged	1.76105	2.02301	0.3000	3.0110	20.0000
4-Bromofluorobenzene (S)	Averaged	0.49222	0.49596	0.1000	-0.8545	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.

6936389ICV

MSV - FORM VII VOA-3
MSV INITIAL CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/04/2014 Time: 05:06

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A070314CAL.B\A11ICV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.27691	0.28096	0.1000	-0.0919	20.0000
Toluene-d8 (S)	Averaged	1.24624	1.26212	0.1000	0.3047	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.

6973859CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/15/2014 Time: 14:14

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\A01CCV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	267.7107	0.0100	7.0843	20.0000
Acrolein	Averaged	0.09653	0.09641	0.0000	-0.1257	20.0000
Acrylonitrile	Averaged	0.22386	0.23266	0.0000	3.9320	20.0000
Benzene	Averaged	2.98948	3.27341	0.5000	9.4978	20.0000
Bromobenzene	Averaged	1.61651	1.50106	0.0000	-7.1419	20.0000
Bromochloromethane	Averaged	0.60793	0.57687	0.0000	-5.1085	20.0000
Bromodichloromethane	Averaged	0.99069	0.89494	0.2000	-9.6651	20.0000
Bromoform	Linear	50	29.50468	0.1000	-40.9906	20.0000
Bromomethane	Linear	50	56.46195	0.1000	12.9239	20.0000
2-Butanone (MEK)	Averaged	0.31112	0.30535	0.0100	-1.8565	20.0000
n-Butylbenzene	Averaged	5.43191	5.65931	0.0000	4.1865	20.0000
sec-Butylbenzene	Averaged	7.70991	8.04716	0.0000	4.3742	20.0000
tert-Butylbenzene	Averaged	6.99318	6.56164	0.0000	-6.1708	20.0000
Carbon disulfide	Averaged	1.77226	2.00912	0.1000	13.3646	20.0000
Carbon tetrachloride	Averaged	1.05646	0.83501	0.1000	-20.9614	20.0000
Chlorobenzene	Averaged	2.78523	2.94462	0.5000	5.7228	20.0000
Chloroethane	Averaged	0.50991	0.49847	0.1000	-2.2442	20.0000
Chloroform	Averaged	1.44850	1.44587	0.2000	-0.1811	20.0000
Chloromethane	Averaged	1.18931	0.99621	0.1000	-16.2366	20.0000
2-Chlorotoluene	Averaged	5.50272	5.45662	0.0000	-0.8378	20.0000
4-Chlorotoluene	Averaged	2.11376	2.25416	0.0000	6.6425	20.0000
Dibromochloromethane	Averaged	0.89482	0.74544	0.1000	-16.6938	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.87742	0.88634	0.1000	1.0177	20.0000
Dibromomethane	Averaged	0.52816	0.53054	0.0000	0.4503	20.0000
1,2-Dichlorobenzene	Averaged	3.54757	3.90387	0.4000	10.0435	20.0000
1,3-Dichlorobenzene	Averaged	3.79400	4.16954	0.6000	9.8984	20.0000
1,4-Dichlorobenzene	Averaged	3.84814	4.30105	0.5000	11.7696	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	39.25321	0.0000	-21.4936	20.0000
Dichlorodifluoromethane	Averaged	1.10077	1.11616	0.1000	1.3977	20.0000
1,1-Dichloroethane	Averaged	1.29874	1.18955	0.2000	-8.4074	20.0000
1,2-Dichloroethane	Averaged	1.05640	1.03989	0.1000	-1.5632	20.0000
1,1-Dichloroethene	Averaged	0.67957	0.77777	0.1000	14.4498	20.0000
cis-1,2-Dichloroethene	Averaged	0.93017	1.01391	0.1000	9.0029	20.0000
trans-1,2-Dichloroethene	Averaged	0.76434	0.83512	0.1000	9.2611	20.0000
1,2-Dichloropropane	Averaged	0.78476	0.76345	0.1000	-2.7156	20.0000
1,3-Dichloropropane	Averaged	1.33248	1.29659	0.0000	-2.6932	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.

6973859CCV

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/15/2014 Time: 14:14

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\A01CCV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{RRF}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	1.06636	0.77811	0.0000	-27.0305	20.0000
1,1-Dichloropropene	Averaged	1.07601	1.12301	0.0000	4.3683	20.0000
cis-1,3-Dichloropropene	Averaged	1.42152	1.18066	0.2000	-16.9441	20.0000
trans-1,3-Dichloropropene	Averaged	1.19868	0.89871	0.1000	-25.0248	20.0000
Ethylbenzene	Averaged	1.55529	1.54291	0.1000	-0.7957	20.0000
Ethyl methacrylate	Averaged	1.07129	0.91093	0.0000	-14.9686	20.0000
Hexachloro-1,3-butadiene	Averaged	0.97814	0.95714	0.0000	-2.1463	20.0000
n-Hexane	Linear	50	59.12373	0.0000	18.2475	20.0000
2-Hexanone	Averaged	0.51769	0.44757	0.0500	-13.5446	20.0000
Iodomethane	Linear	100	112.8490	0.0000	12.8490	20.0000
Isopropylbenzene (Cumene)	Averaged	4.34219	4.47349	0.1000	3.0240	20.0000
p-Isopropyltoluene	Averaged	6.90373	7.23404	0.0000	4.7845	20.0000
Methylene Chloride	Linear	50	56.48666	0.1000	12.9733	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.75935	0.66413	0.1000	-12.5397	20.0000
Methyl-tert-butyl ether	Averaged	1.93903	1.69155	0.1000	-12.7631	20.0000
Naphthalene	Averaged	5.99785	6.14761	0.0000	2.4969	20.0000
n-Propylbenzene	Averaged	8.85975	9.20080	0.0000	3.8494	20.0000
Styrene	Averaged	2.90893	3.07548	0.3000	5.7254	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.96223	0.88236	0.0000	-8.3011	20.0000
1,1,2,2-Tetrachloroethane	Averaged	1.82454	1.83658	0.3000	0.6596	20.0000
Tetrachloroethene	Averaged	1.19322	1.28708	0.2000	7.8655	20.0000
Toluene	Averaged	4.02649	4.06901	0.4000	1.0560	20.0000
1,2,3-Trichlorobenzene	Averaged	1.85482	1.97538	0.0000	6.5001	20.0000
1,2,4-Trichlorobenzene	Averaged	2.04754	2.24458	0.2000	9.6231	20.0000
1,1,1-Trichloroethane	Averaged	1.33740	1.12925	0.1000	-15.5634	20.0000
1,1,2-Trichloroethane	Averaged	0.71176	0.67799	0.1000	-4.7439	20.0000
Trichloroethene	Averaged	0.91328	0.94771	0.2000	3.7695	20.0000
Trichlorofluoromethane	Averaged	1.24644	1.48780	0.1000	19.3634	20.0000
1,2,3-Trichloropropane	Averaged	0.56707	0.58186	0.0000	2.6082	20.0000
1,2,4-Trimethylbenzene	Averaged	6.86842	6.84477	0.0000	-0.3443	20.0000
1,3,5-Trimethylbenzene	Averaged	6.64293	6.68088	0.0000	0.5713	20.0000
Vinyl acetate	Averaged	1.32720	1.30349	0.0000	-1.7867	20.0000
Vinyl chloride	Averaged	0.92960	0.93269	0.1000	0.3323	20.0000
m&p-Xylene	Averaged	1.77126	1.83056	0.1000	3.3476	20.0000
o-Xylene	Averaged	1.76105	1.78725	0.3000	1.4874	20.0000
4-Bromofluorobenzene (S)	Averaged	0.49222	0.44447	0.1000	-9.7000	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.

6973859CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/15/2014 Time: 14:14

Instrument ID: 50MV4A GC Column: Col 1
Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\A01CCV.D
Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.27691	0.27872	0.1000	0.6556	20.0000
Toluene-d8 (S)	Averaged	1.24624	1.15266	0.1000	-7.5096	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.

6973858CCV

MSV - FORM VII VOA-1
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/16/2014 Time: 02:00

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\C01CCV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acetone	Linear	250	261.1566	0.0100	4.4627	20.0000
Acrolein	Averaged	0.09653	0.08611	0.0000	-10.7989	20.0000
Acrylonitrile	Averaged	0.22386	0.22321	0.0000	-0.2885	20.0000
Benzene	Averaged	2.98948	3.13432	0.5000	4.8452	20.0000
Bromobenzene	Averaged	1.61651	1.46313	0.0000	-9.4881	20.0000
Bromochloromethane	Averaged	0.60793	0.53751	0.0000	-11.5831	20.0000
Bromodichloromethane	Averaged	0.99069	0.84968	0.2000	-14.2339	20.0000
Bromoform	Linear	50	28.27960	0.1000	-43.4408	20.0000
Bromomethane	Linear	50	56.78150	0.1000	13.5630	20.0000
2-Butanone (MEK)	Averaged	0.31112	0.29591	0.0100	-4.8903	20.0000
n-Butylbenzene	Averaged	5.43191	5.24296	0.0000	-3.4784	20.0000
sec-Butylbenzene	Averaged	7.70991	7.53672	0.0000	-2.2464	20.0000
tert-Butylbenzene	Averaged	6.99318	6.89991	0.0000	-1.3337	20.0000
Carbon disulfide	Averaged	1.77226	1.90977	0.1000	7.7587	20.0000
Carbon tetrachloride	Averaged	1.05646	0.80222	0.1000	-24.0652	20.0000
Chlorobenzene	Averaged	2.78523	2.82170	0.5000	1.3095	20.0000
Chloroethane	Averaged	0.50991	0.45883	0.1000	-10.0167	20.0000
Chloroform	Averaged	1.44850	1.37827	0.2000	-4.8486	20.0000
Chloromethane	Averaged	1.18931	0.93312	0.1000	-21.5410	20.0000
2-Chlorotoluene	Averaged	5.50272	5.13476	0.0000	-6.6868	20.0000
4-Chlorotoluene	Averaged	2.11376	2.13824	0.0000	1.1581	20.0000
Dibromochloromethane	Averaged	0.89482	0.72420	0.1000	-19.0673	20.0000
1,2-Dibromoethane (EDB)	Averaged	0.87742	0.86104	0.1000	-1.8664	20.0000
Dibromomethane	Averaged	0.52816	0.51425	0.0000	-2.6339	20.0000
1,2-Dichlorobenzene	Averaged	3.54757	3.80078	0.4000	7.1376	20.0000
1,3-Dichlorobenzene	Averaged	3.79400	3.96564	0.6000	4.5241	20.0000
1,4-Dichlorobenzene	Averaged	3.84814	4.04129	0.5000	5.0193	20.0000
trans-1,4-Dichloro-2-butene	Linear	50	34.76002	0.0000	-30.4800	20.0000
Dichlorodifluoromethane	Averaged	1.10077	1.00972	0.1000	-8.2716	20.0000
1,1-Dichloroethane	Averaged	1.29874	1.14366	0.2000	-11.9408	20.0000
1,2-Dichloroethane	Averaged	1.05640	0.98136	0.1000	-7.1031	20.0000
1,1-Dichloroethene	Averaged	0.67957	0.74328	0.1000	9.3740	20.0000
cis-1,2-Dichloroethene	Averaged	0.93017	0.96426	0.1000	3.6641	20.0000
trans-1,2-Dichloroethene	Averaged	0.76434	0.79003	0.1000	3.3618	20.0000
1,2-Dichloropropane	Averaged	0.78476	0.74191	0.1000	-5.4599	20.0000
1,3-Dichloropropane	Averaged	1.33248	1.25256	0.0000	-5.9982	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.

MSV - FORM VII VOA-2
MSV CONTINUING CALIBRATION DATA

6973858CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/16/2014 Time: 02:00

Instrument ID: 50MV4A GC Column: Col 1 Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\C01CCV.D Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
2,2-Dichloropropane	Averaged	1.06636	0.65498	0.0000	-38.5776	20.0000
1,1-Dichloropropene	Averaged	1.07601	1.07253	0.0000	-0.3231	20.0000
cis-1,3-Dichloropropene	Averaged	1.42152	1.10718	0.2000	-22.1133	20.0000
trans-1,3-Dichloropropene	Averaged	1.19868	0.86612	0.1000	-27.7435	20.0000
Ethylbenzene	Averaged	1.55529	1.46741	0.1000	-5.6503	20.0000
Ethyl methacrylate	Averaged	1.07129	0.90353	0.0000	-15.6598	20.0000
Hexachloro-1,3-butadiene	Averaged	0.97814	0.88299	0.0000	-9.7275	20.0000
n-Hexane	Linear	50	50.71577	0.0000	1.4315	20.0000
2-Hexanone	Averaged	0.51769	0.44073	0.0500	-14.8650	20.0000
Iodomethane	Linear	100	114.7054	0.0000	14.7055	20.0000
Isopropylbenzene (Cumene)	Averaged	4.34219	4.29182	0.1000	-1.1599	20.0000
p-Isopropyltoluene	Averaged	6.90373	6.78962	0.0000	-1.6529	20.0000
Methylene Chloride	Linear	50	54.10492	0.1000	8.2099	20.0000
4-Methyl-2-pentanone (MIBK)	Averaged	0.75935	0.64456	0.1000	-15.1164	20.0000
Methyl-tert-butyl ether	Averaged	1.93903	1.68486	0.1000	-13.1080	20.0000
Naphthalene	Averaged	5.99785	6.09363	0.0000	1.5970	20.0000
n-Propylbenzene	Averaged	8.85975	8.52352	0.0000	-3.7950	20.0000
Styrene	Averaged	2.90893	2.92076	0.3000	0.4065	20.0000
1,1,1,2-Tetrachloroethane	Averaged	0.96223	0.84621	0.0000	-12.0575	20.0000
1,1,2,2-Tetrachloroethane	Averaged	1.82454	1.72000	0.3000	-5.7298	20.0000
Tetrachloroethene	Averaged	1.19322	1.38806	0.2000	16.3284	20.0000
Toluene	Averaged	4.02649	3.89944	0.4000	-3.1553	20.0000
1,2,3-Trichlorobenzene	Averaged	1.85482	1.93787	0.0000	4.4775	20.0000
1,2,4-Trichlorobenzene	Averaged	2.04754	2.17060	0.2000	6.0099	20.0000
1,1,1-Trichloroethane	Averaged	1.33740	1.08037	0.1000	-19.2186	20.0000
1,1,2-Trichloroethane	Averaged	0.71176	0.65523	0.1000	-7.9418	20.0000
Trichloroethene	Averaged	0.91328	0.91288	0.2000	-0.0446	20.0000
Trichlorofluoromethane	Averaged	1.24644	1.34919	0.1000	8.2428	20.0000
1,2,3-Trichloropropane	Averaged	0.56707	0.54919	0.0000	-3.1531	20.0000
1,2,4-Trimethylbenzene	Averaged	6.86842	6.39243	0.0000	-6.9301	20.0000
1,3,5-Trimethylbenzene	Averaged	6.64293	6.22362	0.0000	-6.3120	20.0000
Vinyl acetate	Averaged	1.32720	1.10769	0.0000	-16.5398	20.0000
Vinyl chloride	Averaged	0.92960	0.86487	0.1000	-6.9630	20.0000
m&p-Xylene	Averaged	1.77126	1.75261	0.1000	-1.0528	20.0000
o-Xylene	Averaged	1.76105	1.72490	0.3000	-2.0530	20.0000
4-Bromofluorobenzene (S)	Averaged	0.49222	0.45788	0.1000	-6.9759	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.

6973858CCV

MSV - FORM VII VOA-3
MSV CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana
Calibration Date: 07/16/2014 Time: 02:00

Instrument ID: 50MV4A GC Column: Col 1
Init. Calib. Date(s): 07/03/2014 07/04/2014

Lab File ID: A071514.B\C01CCV.D
Init. Calib. Time(s): 23:45 04:02

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Dibromofluoromethane (S)	Averaged	0.27691	0.27778	0.1000	0.3130	20.0000
Toluene-d8 (S)	Averaged	1.24624	1.13289	0.1000	-9.0958	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.: 50100317 Contract: Sibley - Accucast

Sample ID : 6975588CCV Init. Calib. Date: 07/09/2014 Time: 07/09/2014

Instrument ID: 50MV2A GC Column: Col 1 Date Analyzed: 07/16/2014

Lab File ID: A071614.B\A01CCV.D Time Analyzed: 12:13

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		272968	7.246	129405	8.823	398489	4.157
UPPER LIMIT		545936	7.746	258810	9.323	796978	4.657
LOWER LIMIT		136484	6.746	64702.5	8.323	199244.5	3.657
LAB SAMPLE ID	SAMPLE NO.						
1129940	1129940BLANK	227012	7.248	99659	8.826	348026	4.16
1129941	1129941LCS	280286	7.246	135773	8.823	423882	4.16
50100317003	TMW-3	226038	7.245	98412	8.823	337813	4.16

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.: 50100317 Contract: Sibley - Accucast

Sample ID : 6973859CCV Init. Calib. Date: 07/03/2014 Time: 07/04/2014

Instrument ID: 50MV4A GC Column: Col 1 Date Analyzed: 07/15/2014

Lab File ID: A071514.B\A01CCV.D Time Analyzed: 14:14

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		316122	7.863	171920	9.274	335754	5.145
UPPER LIMIT		632244	8.363	343840	9.774	671508	5.645
LOWER LIMIT		158061	7.363	85960	8.774	167877	4.645
LAB SAMPLE ID	SAMPLE NO.						
1128505	1128505BLANK	319510	7.863	172811	9.28	334845	5.151
1128506	1128506LCS	334049	7.863	190737	9.274	372230	5.145
1128507	1128507MS	341273	7.863	185639	9.274	365754	5.145
1128508	1128508DUP	303974	7.863	168055	9.274	322609	5.145
50100317001	TMW-1	314150	7.863	172207	9.275	322615	5.145
50100317002	TMW-2	311914	7.863	169230	9.275	331513	5.145
50100317004	TMW-4	297050	7.863	157484	9.274	306814	5.145

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.: 50100317 Contract: Sibley - Accucast

Sample ID : 6973858CCV Init. Calib. Date: 07/03/2014 Time: 07/04/2014

Instrument ID: 50MV4A GC Column: Col 1 Date Analyzed: 07/16/2014

Lab File ID: A071514.B\C01CCV.D Time Analyzed: 02:00

		AREA CBZ	RT	AREA DCB	RT	AREA FBZ	RT
12 HOUR STD		344320	7.863	192588	9.268	367105	5.145
UPPER LIMIT		688640	8.363	385176	9.768	734210	5.645
LOWER LIMIT		172160	7.363	96294	8.768	183552.5	4.645
LAB SAMPLE ID	SAMPLE NO.						
1128509	1128509BLANK	300476	7.863	166745	9.263	306474	5.145
1128510	1128510LCS	332635	7.863	188238	9.269	359744	5.145
1128511	1128511MS	324602	7.863	181600	9.263	346822	5.151
1128512	1128512MSD	320022	7.863	180668	9.263	342605	5.145
50100317005	TMW-5	332095	7.863	174483	9.269	347287	5.145
50100317006	TMW-6	295486	7.863	158960	9.269	307571	5.151
50100317007	TMW-7	330954	7.863	172807	9.269	345013	5.151
50100317008	TMW-8	326872	7.863	182371	9.268	346123	5.151
50100317009	TMW-9	327249	7.863	173567	9.263	336838	5.151
50100317010	TMW-10	310688	7.863	167930	9.269	324257	5.145
50100317011	GW-Dupe	323702	7.863	173502	9.269	336256	5.151
50100317012	GW EQ Blank	301246	7.863	164012	9.269	317234	5.145
50100317013	Trip Blank	329834	7.863	169150	9.269	334584	5.151
50100317014	S-A IDW	296692	7.863	159403	9.274	299991	5.145

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

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a06cal1.d
Lab Smp Id: 8260-CAL1,72087:0 Client Smp ID: 8260-CAL1,72087:0
Inj Date : 09-JUL-2014 16:19
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal1,72087:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 7 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)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	1807	0.50000	(QM)	
2	Chloromethane	50	1.021	1.024	(0.246)	2068	0.50000	(M)	
3	Vinyl Chloride	62	1.074	1.071	(0.258)	1853	0.50000	(QM)	
4	Bromomethane	94	1.216	1.213	(0.292)	696	0.50000	(QM)	
5	Chloroethane	64	1.260	1.260	(0.303)	1112	0.50000	(M)	
6	Trichlorofluoromethane	101	1.369	1.372	(0.329)	2309	0.50000	(Q)	
7	Diethyl ether	74	1.491	1.494	(0.359)	548	0.50000	(QM)	
8	1,2-dichlorotrifluoroethane	67	1.511	1.511	(0.363)	1506	0.50000	(QM)	
9	Acrolein	56	1.564	1.566	(0.376)	4501	10.0000		
10	1,1,2trichlorotrifluoroethane	101	1.619	1.616	(0.389)	978	0.50000	(QM)	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	962	0.50000	(QM)	
12	Acetone	43	1.630	1.630	(0.392)	4536	2.50000	(M)	
13	Iodomethane	142	1.708	1.708	(0.411)	2731	1.00000	(QM)	
14	Carbon Disulfide	76	1.753	1.753	(0.421)	6224	1.00000	(M)	
15	Methyl Acetate	43	1.800	1.797	(0.433)	1624	0.50000	(M)	
16	Acetonitrile	39	1.817	1.814	(0.437)	3494	0.50000	(QM)	
17	allyl chloride	41	1.814	1.814	(0.436)	4654	1.00000	(M)	
18	Methylene Chloride	84	1.889	1.886	(0.454)	8829	0.50000		
19	tert-Butyl Alcohol	59	1.931	1.922	(0.464)	498	1.00000	(M)	
20	Acrylonitrile	53	2.020	2.020	(0.486)	12249	10.0000		
21	Methyl-tert-butyl ether	73	2.042	2.045	(0.491)	6202	1.00000	(M)	
22	1,2-Dichloroethene (trans)	96	2.062	2.056	(0.496)	957	0.50000	(QM)	
23	n-Hexane	57	2.237	2.237	(0.538)	2355	0.50000	(M)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.351	2.348	(0.565)	11832	2.00000	(M)	
	25 1,1-Dichloroethane	63	2.359	2.357	(0.567)	2045	0.50000	(QM)	
	26 Chloroprene	53	2.409	2.412	(0.579)	2907	0.50000	(QM)	
	28 2-Butanone	43	2.810	2.810	(0.676)	4779	2.50000	(M)	
	29 1,2-Dichloroethene (cis)	96	2.827	2.824	(0.680)	1743	0.50000	(QM)	
	30 2,2-Dichloropropane	77	2.832	2.830	(0.681)	925	0.50000	(M)	
	31 Propionitrile	54	2.874	2.866	(0.691)	72	0.50000	(QM)	
	32 Methacrylonitrile	41	3.019	3.013	(0.726)	1258	2.00000	(QM)	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	1673	0.50000	(QM)	
	34 Tetrahydrofuran	42	3.063	3.066	(0.736)	1656	0.50000	(M)	
	35 Chloroform	83	3.163	3.161	(0.761)	2218	0.50000	(QM)	
$	36 Dibromofluoromethane (S)	113	3.333	3.333	(0.801)	88811	50.0000		
	37 1,1,1-Trichloroethane	97	3.325	3.339	(0.799)	1337	0.50000	(QM)	
	38 cyclohexane	56	3.403	3.414	(0.818)	2819	0.50000	(QM)	
	39 Carbon Tetrachloride	117	3.517	3.511	(0.846)	738	0.50000	(QM)	
	40 1,1-Dichloropropene	75	3.520	3.520	(0.846)	1785	0.50000	(M)	
	41 Benzene	78	3.756	3.759	(0.903)	5364	0.50000	(QM)	
	42 1,2-Dichloroethane	62	3.845	3.848	(0.924)	2046	0.50000	(QM)	
	43 2,2,4-Trimethylpentane	57	3.940	3.931	(0.947)	5035	0.50000	(M)	
	44 Isobutyl alcohol	43	3.928	3.934	(0.944)	976	0.50000	(QM)	
*	45 Fluorobenzene	96	4.159	4.159	(1.000)	378303	50.0000		
	47 Trichloroethene	95	4.599	4.602	(1.106)	1632	0.50000	(QM)	
	48 Methylcyclohexane	55	4.858	4.858	(1.168)	2398	0.50000	(QM)	
	49 1,2-Dichloropropane	63	4.894	4.899	(1.177)	1120	0.50000	(QM)	
	50 1,4-Dioxane	88	5.005	4.997	(1.203)	138	0.50000	(QM)	
	51 Dibromomethane	93	4.986	4.989	(1.199)	770	0.50000	(QM)	
	52 Methyl methacrylate	69	5.016	5.008	(1.206)	498	0.50000	(QM)	
	53 Bromodichloromethane	83	5.208	5.208	(1.252)	975	0.50000	(QM)	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	1586	1.00000	(M)	
	55 cis-1,3-Dichloropropene	75	5.684	5.679	(0.785)	823	0.50000	(M)	
	56 4-Methyl-2-Pentanone	43	5.848	5.845	(0.807)	6734	2.50000	(QM)	
$	57 Toluene-d8	98	5.937	5.934	(0.820)	358813	50.0000		
	58 Toluene	91	6.001	6.004	(0.828)	4987	0.50000	(M)	
	59 trans-1,3-Dichloropropene	75	6.271	6.274	(0.866)	645	0.50000	(M)	
	60 Ethyl Methacrylate	69	6.363	6.357	(0.878)	1365	0.50000	(M)	
	61 1,1,2-Trichloroethane	83	6.452	6.458	(0.891)	956	0.50000	(QM)	
	62 Tetrachloroethene	166	6.502	6.505	(0.897)	1077	0.50000	(QM)	
	63 1,3-Dichloropropane	76	6.602	6.599	(0.911)	1944	0.50000	(QM)	
	64 2-Hexanone	43	6.669	6.672	(0.920)	4894	2.50000	(QM)	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	404	0.50000	(QM)	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.948)	755	0.50000	(QM)	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	250072	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	2947	0.50000	(Q)	
	69 1,1,1,2-Tetrachloroethane	131	7.351	7.348	(1.015)	554	0.50000	(QM)	
	70 Ethylbenzene	106	7.359	7.356	(1.016)	1674	0.50000	(Q)	
	71 m&p-Xylene	106	7.459	7.459	(1.030)	3813	1.00000		
	72 o-Xylene	106	7.729	7.729	(1.067)	1505	0.50000	(QM)	
	73 Styrene	104	7.743	7.746	(1.069)	2680	0.50000		
	74 Bromoform	173	7.863	7.865	(0.891)	207	0.50000	(QM)	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	4397	0.50000		
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	137189	50.0000		
	78 Bromobenzene	77	8.180	8.180	(1.129)	2125	0.50000	(Q)	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	1141	0.50000	(QM)	
	80 trans-1,4-Dichloro-2-butene	53	8.219	8.224	(1.134)	412	0.50000	(QM)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	374	0.50000	(QM)	
82	n-Propylbenzene	91	8.260	8.260	(0.936)	6605	0.50000		
83	2-Chlorotoluene	91	8.305	8.308	(0.941)	3663	0.50000	(M)	
84	1,3,5-Trimethylbenzene	105	8.377	8.380	(0.950)	3635	0.50000		
85	4-Chlorotoluene	126	8.388	8.388	(0.951)	1106	0.50000	(Q)	
86	tert-Butylbenzene	119	8.575	8.572	(0.972)	3383	0.50000	(Q)	
87	1,2,4-Trimethylbenzene	105	8.614	8.611	(0.976)	4233	0.50000		
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	4586	0.50000	(M)	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	2032	0.50000	(QM)	
90	p-Isopropyltoluene	119	8.803	8.803	(0.998)	3346	0.50000	(QM)	
* 91	1,4-Dichlorobenzene-d4	152	8.822	8.822	(1.000)	109462	50.0000		
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	2301	0.50000	(QM)	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	3794	0.50000	(QM)	
94	1,2-Dichlorobenzene	146	9.045	9.042	(1.025)	1676	0.50000	(QM)	
95	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	28	0.50000	(QM)	
96	1,2,4-Trichlorobenzene	180	9.941	9.941	(1.127)	751	0.50000	(QM)	
97	Hexachlorobutadiene	225	10.022	10.022	(1.136)	657	0.50000	(QM)	
98	Naphthalene	128	10.086	10.086	(1.143)	2558	0.50000	(M)	
99	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	708	0.50000	(QM)	
100	2,methyl-naphthalene	142	10.689	10.687	(1.212)	382	0.50000	(QM)	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	371	0.50000	(QM)	

QC Flag Legend

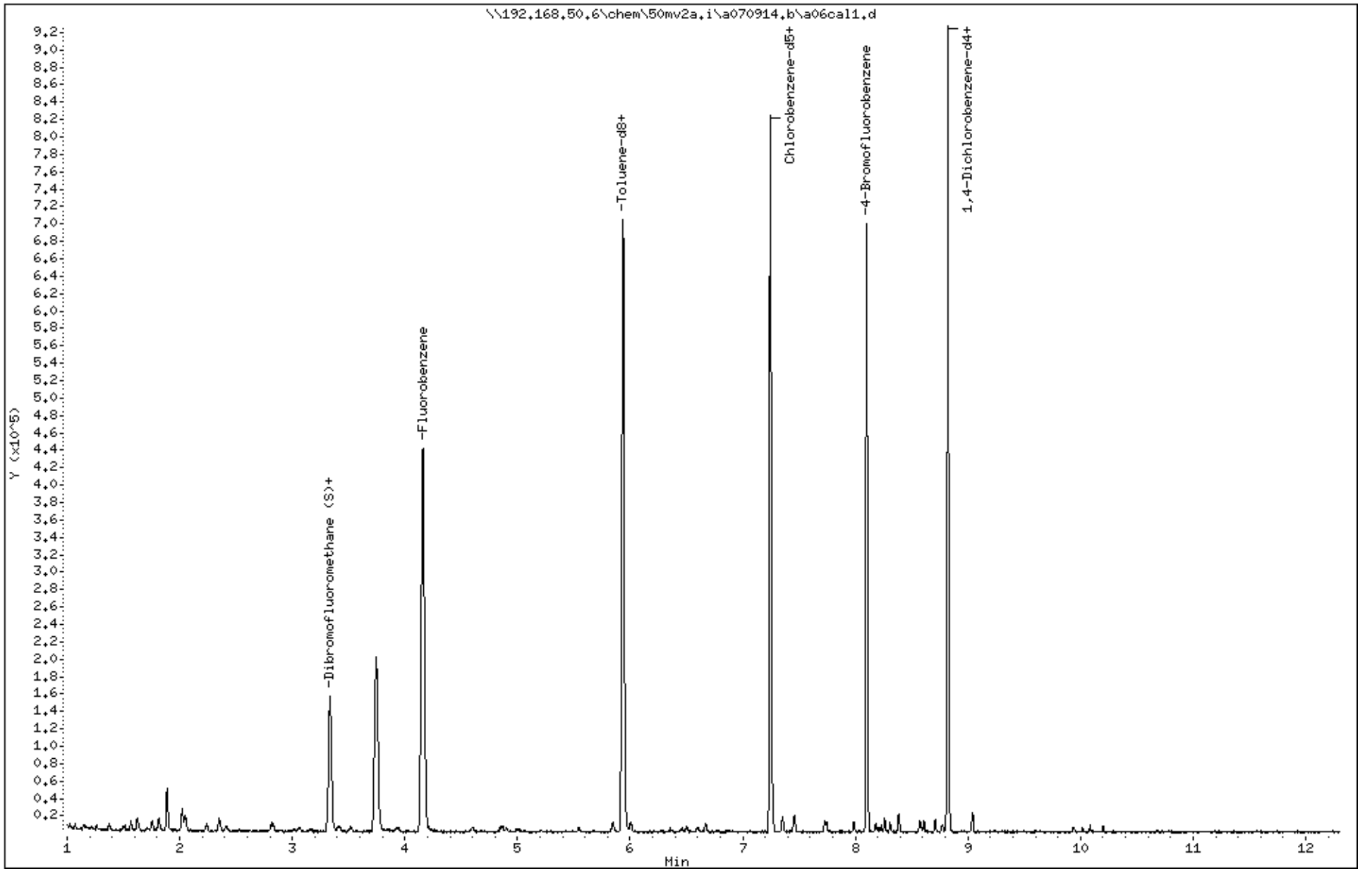
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a06cal1.d
Date : 09-JUL-2014 16:19
Client ID: 8260-CAL1,72087:0
Sample Info: 8260-CAL1,72087:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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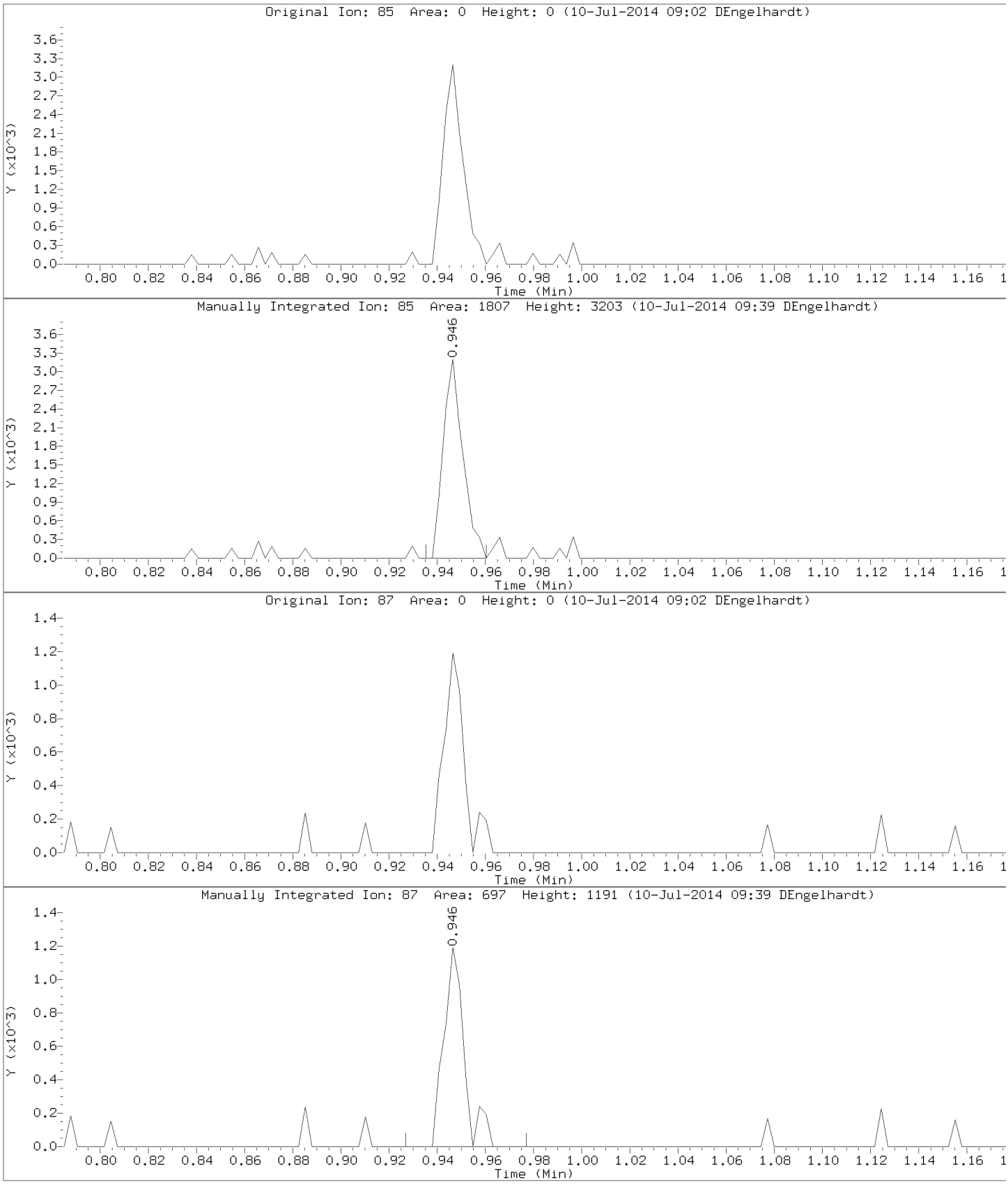
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



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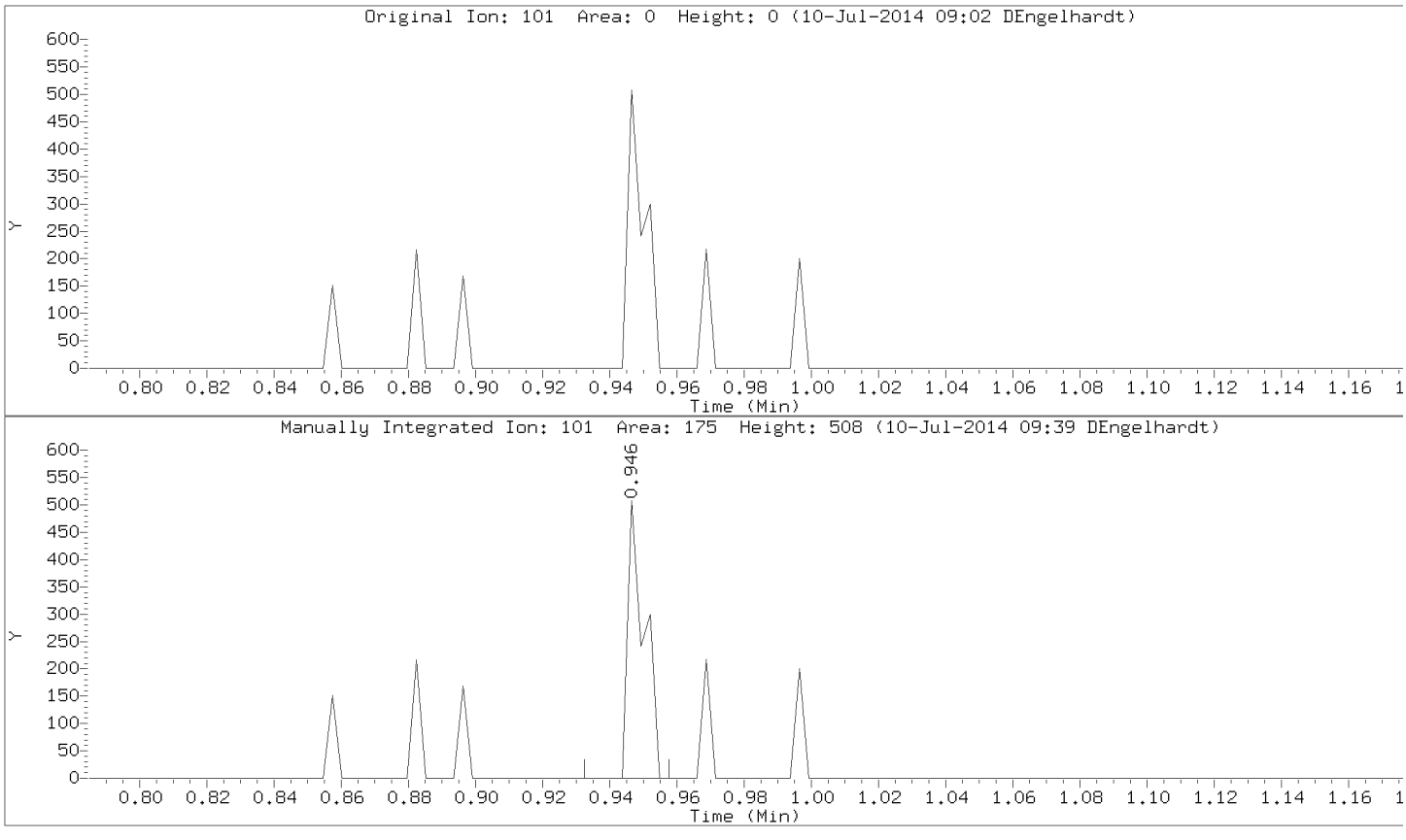
Lab Sample ID: 8260-CAL1,72087:0



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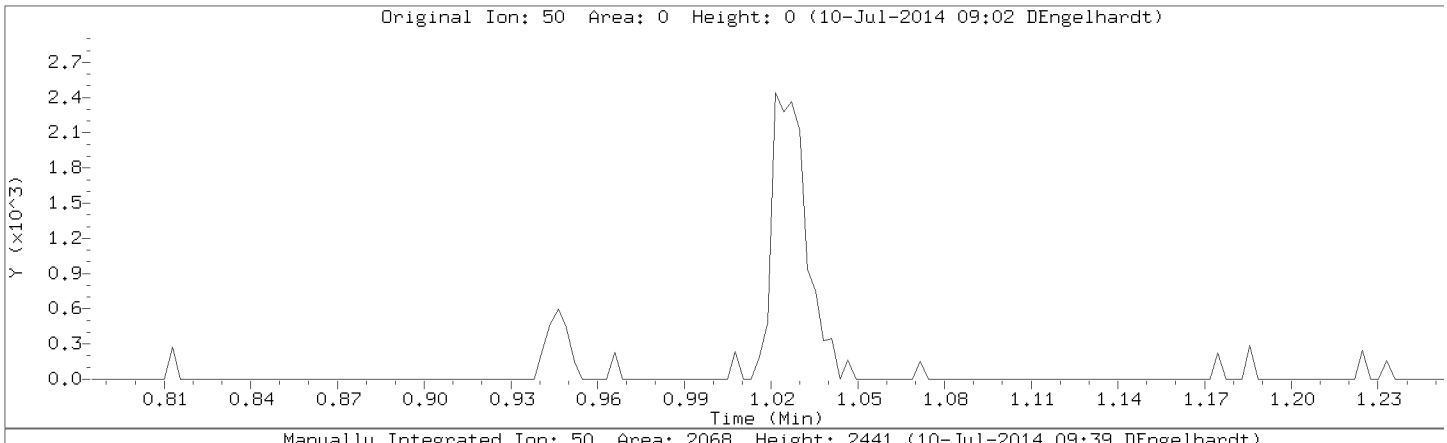
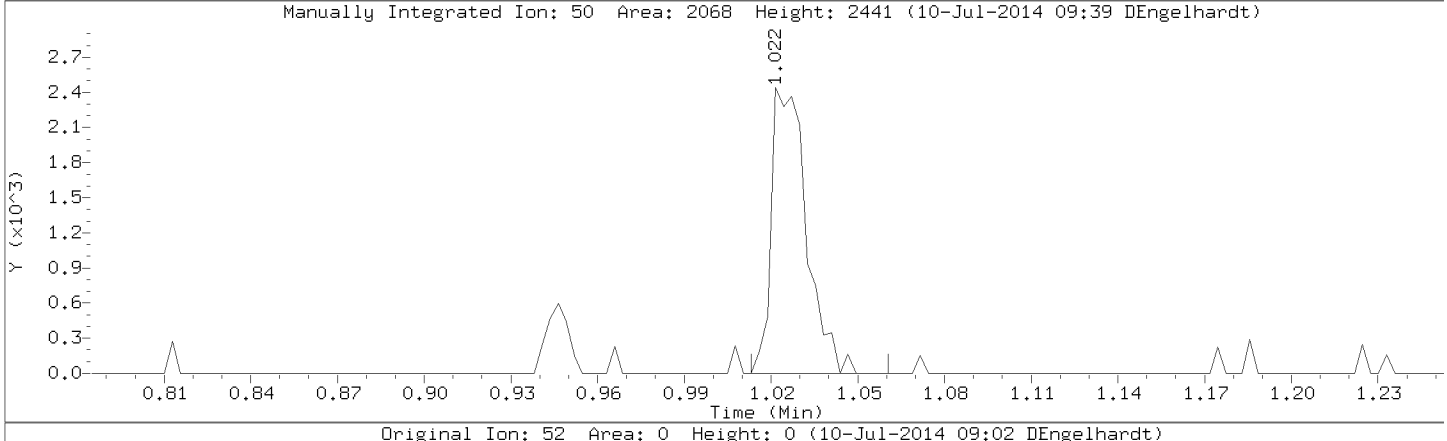
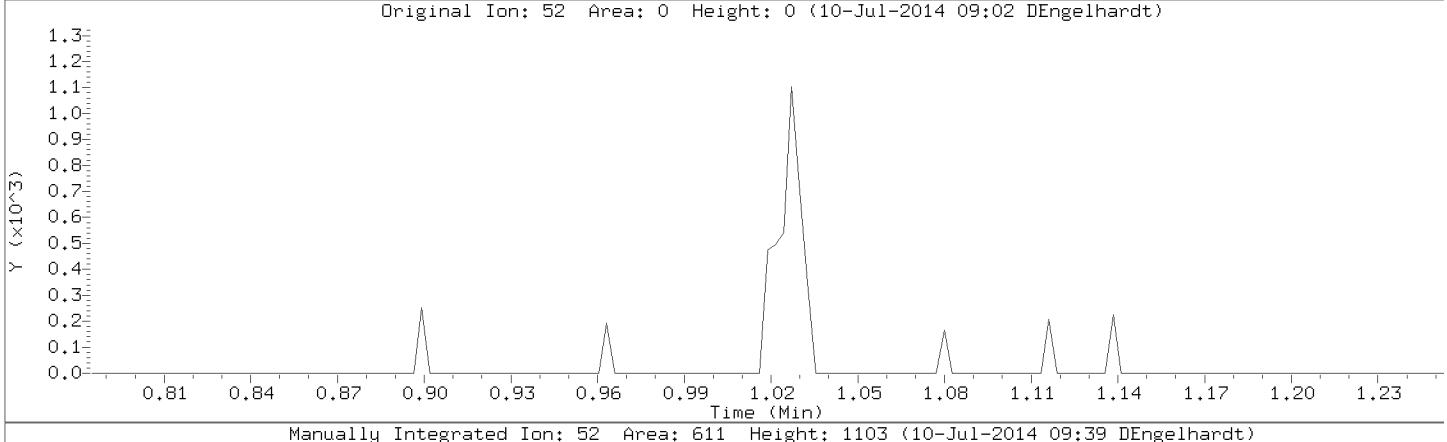
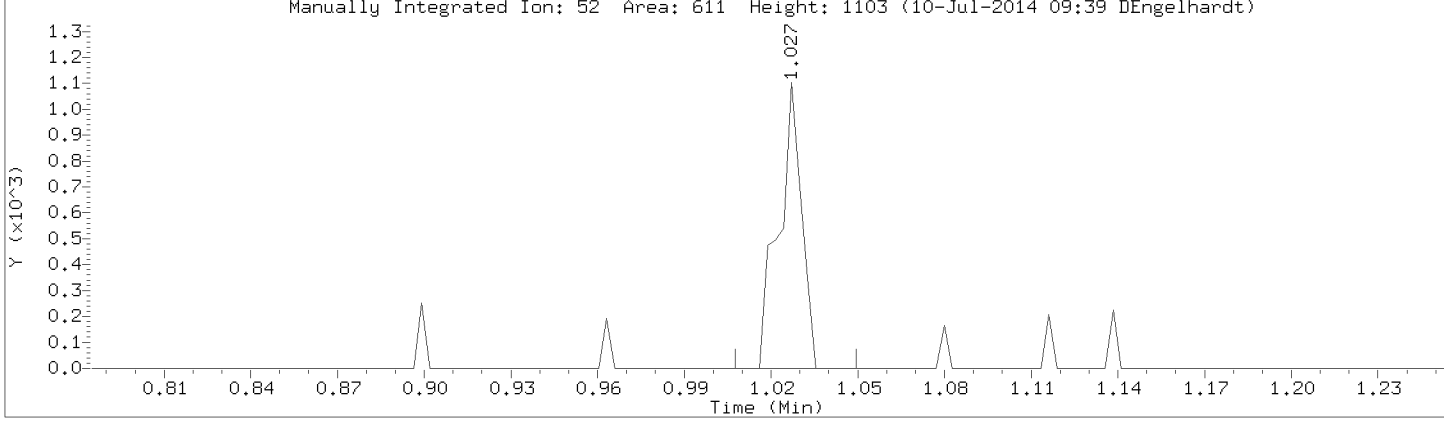
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Chloromethane
CAS Number: 74-87-3









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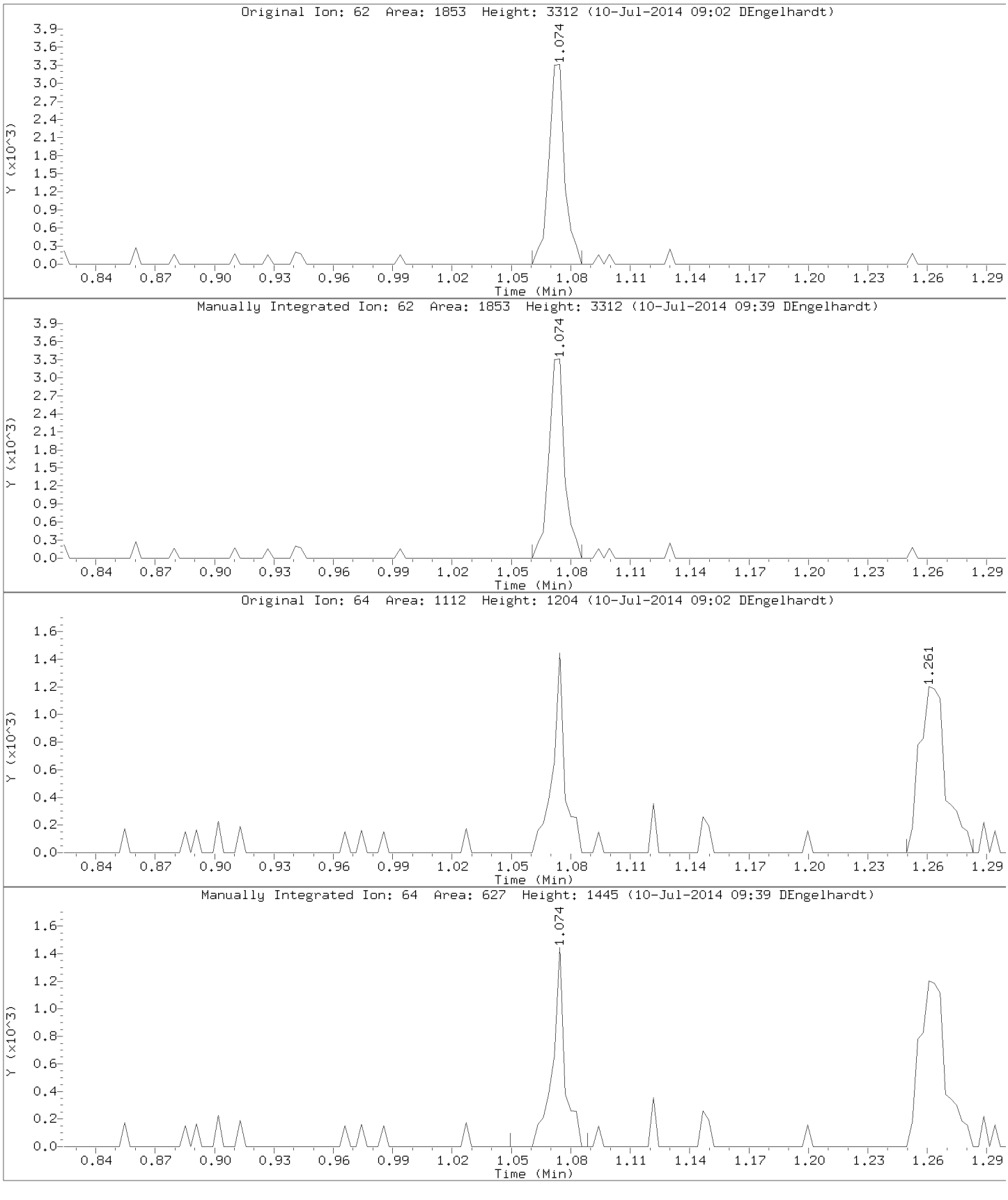
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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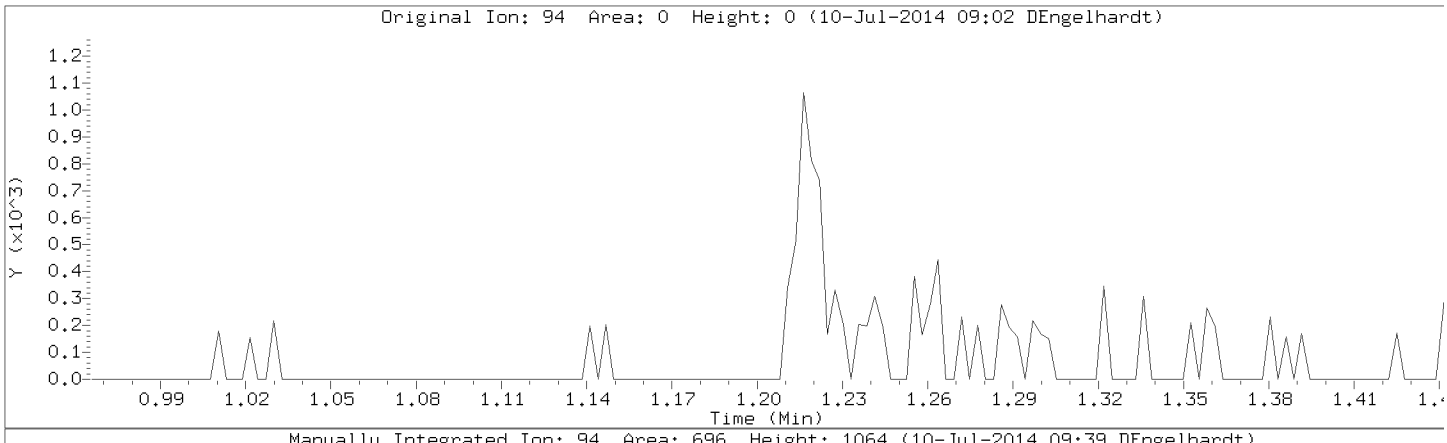
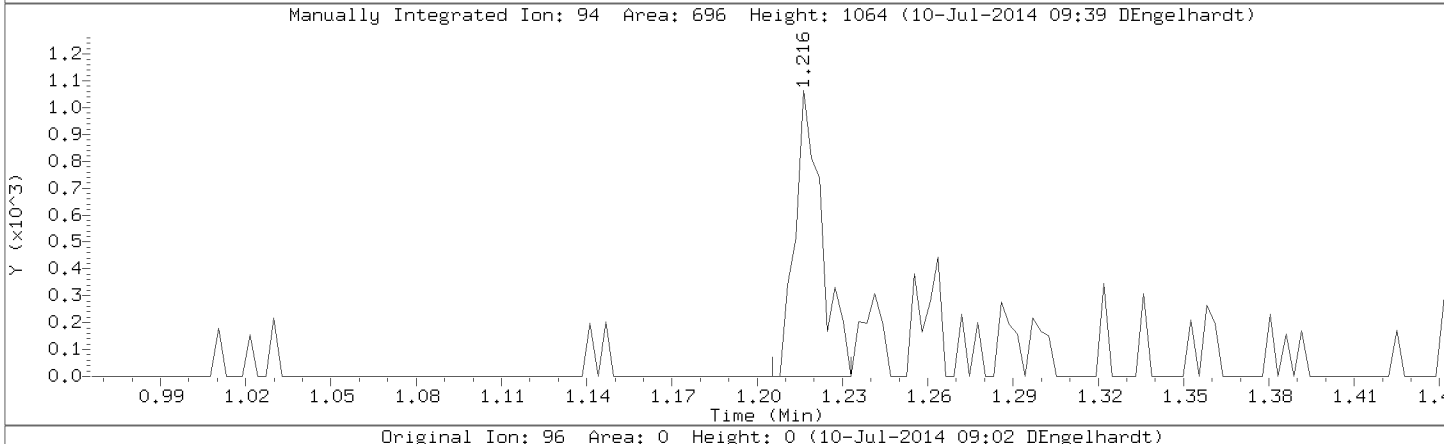
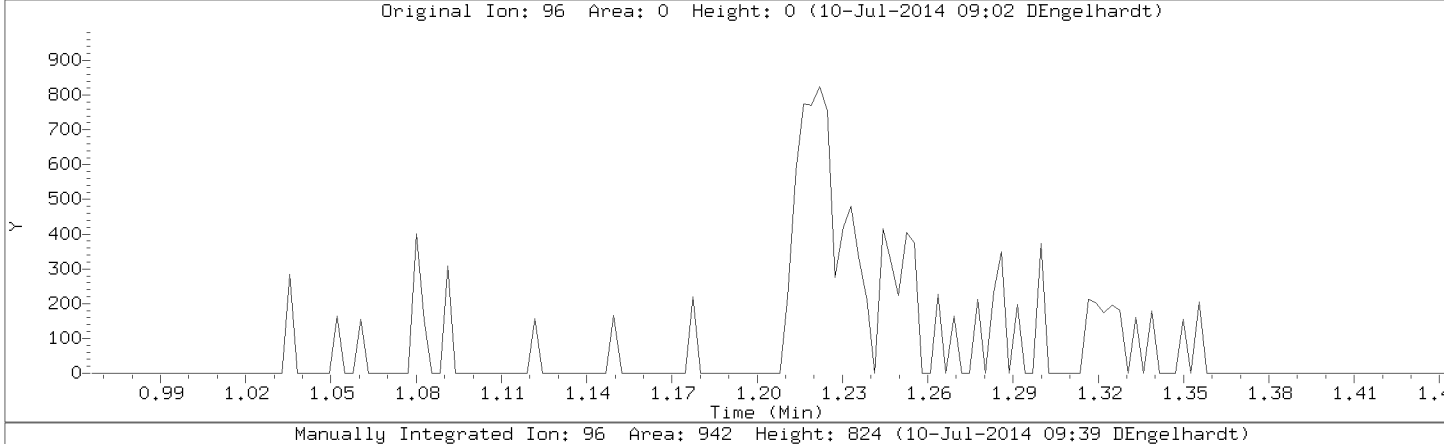
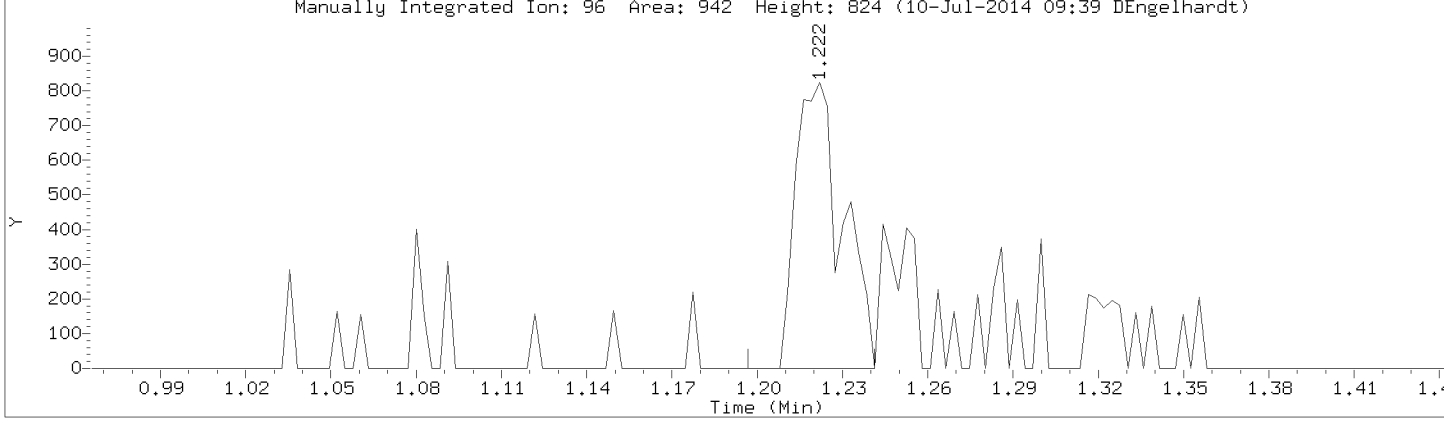
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Bromomethane
CAS Number: 74-83-9









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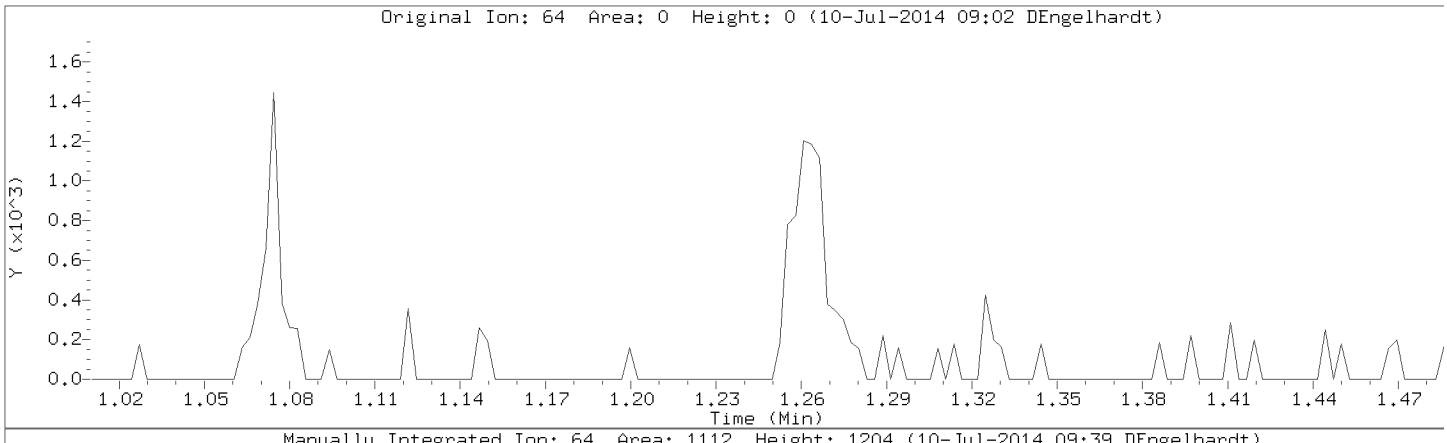
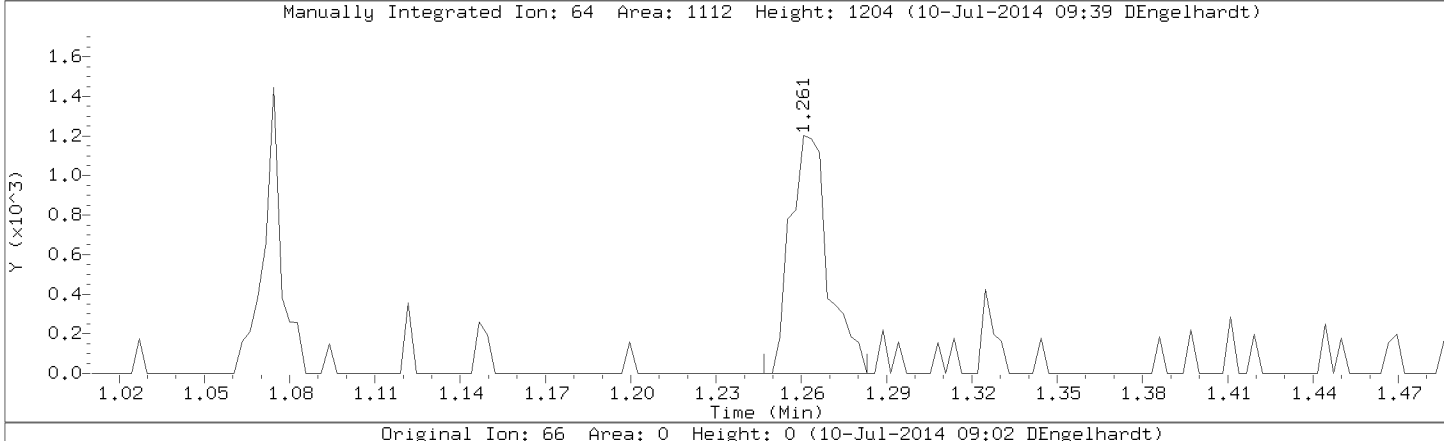
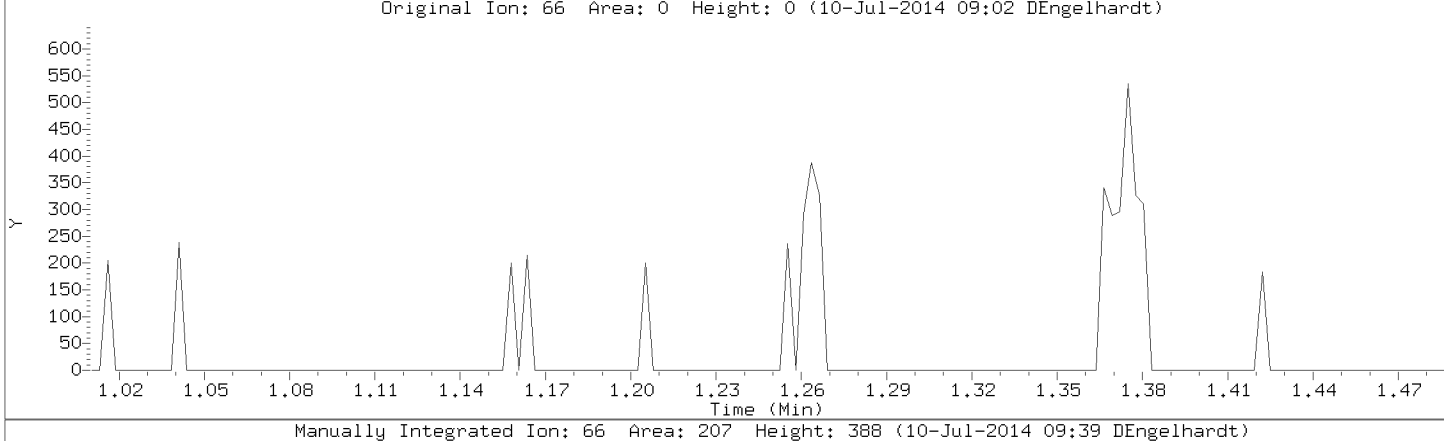
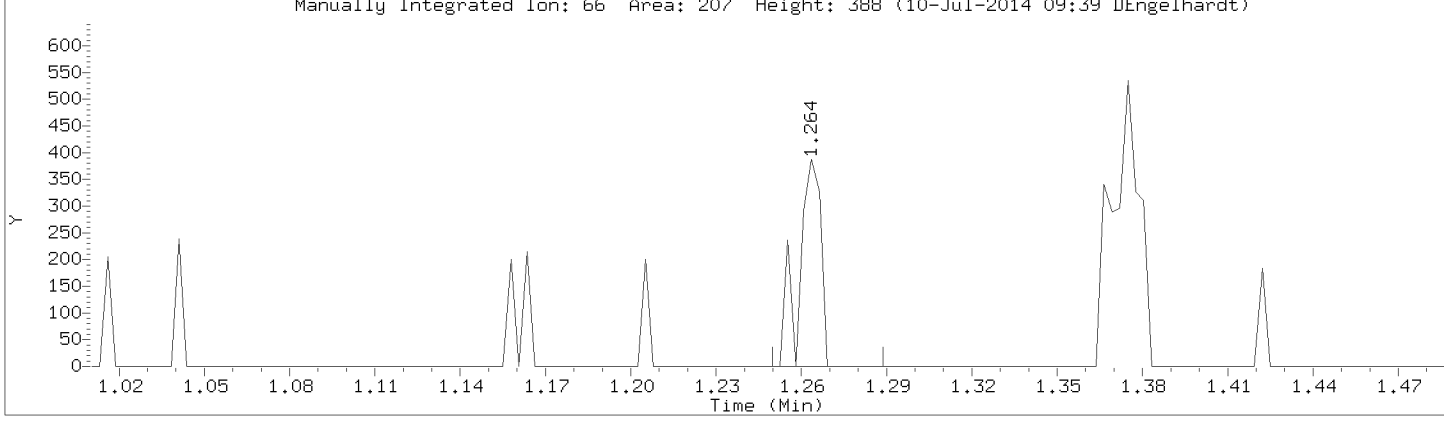
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Chloroethane
CAS Number: 75-00-3









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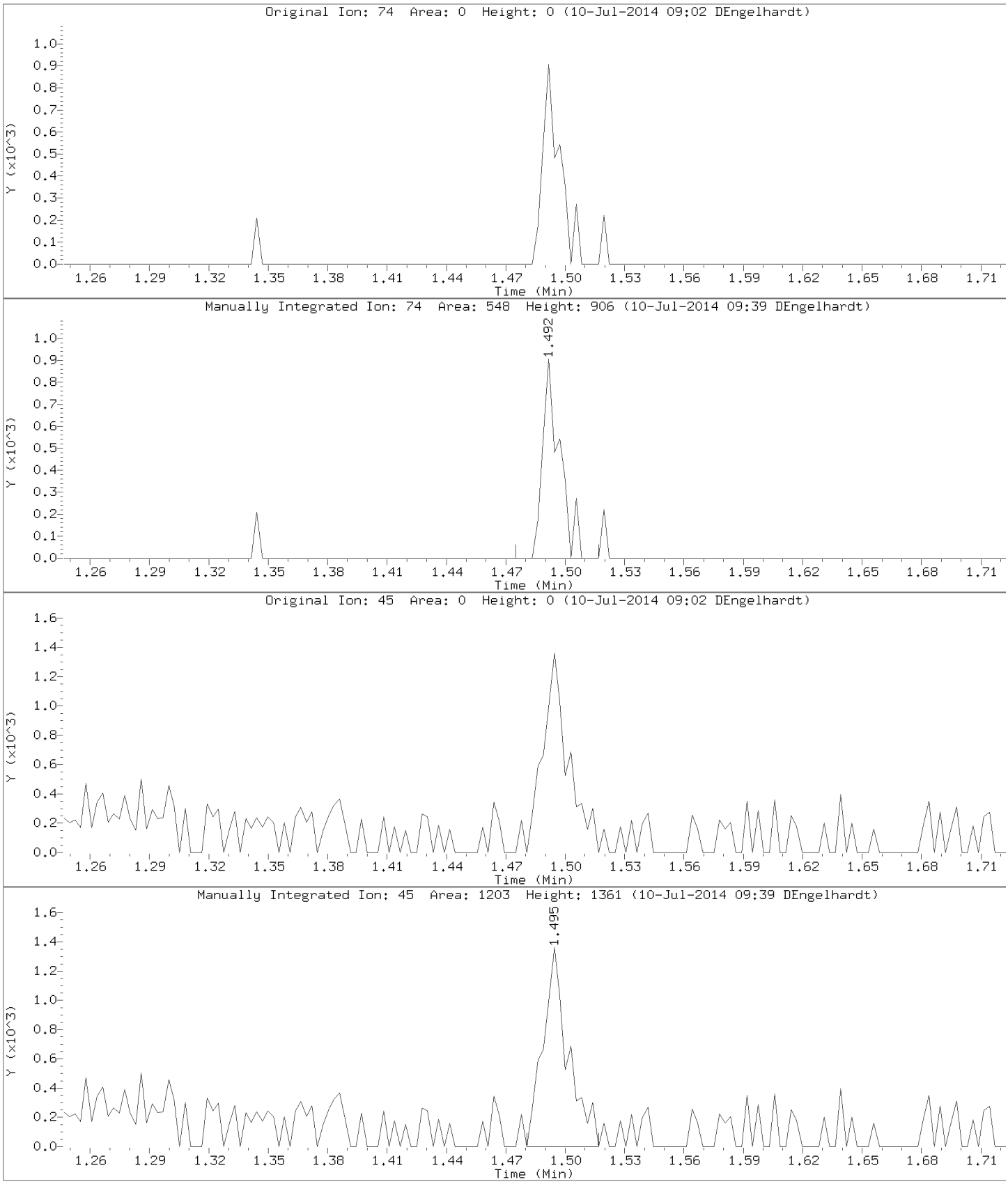
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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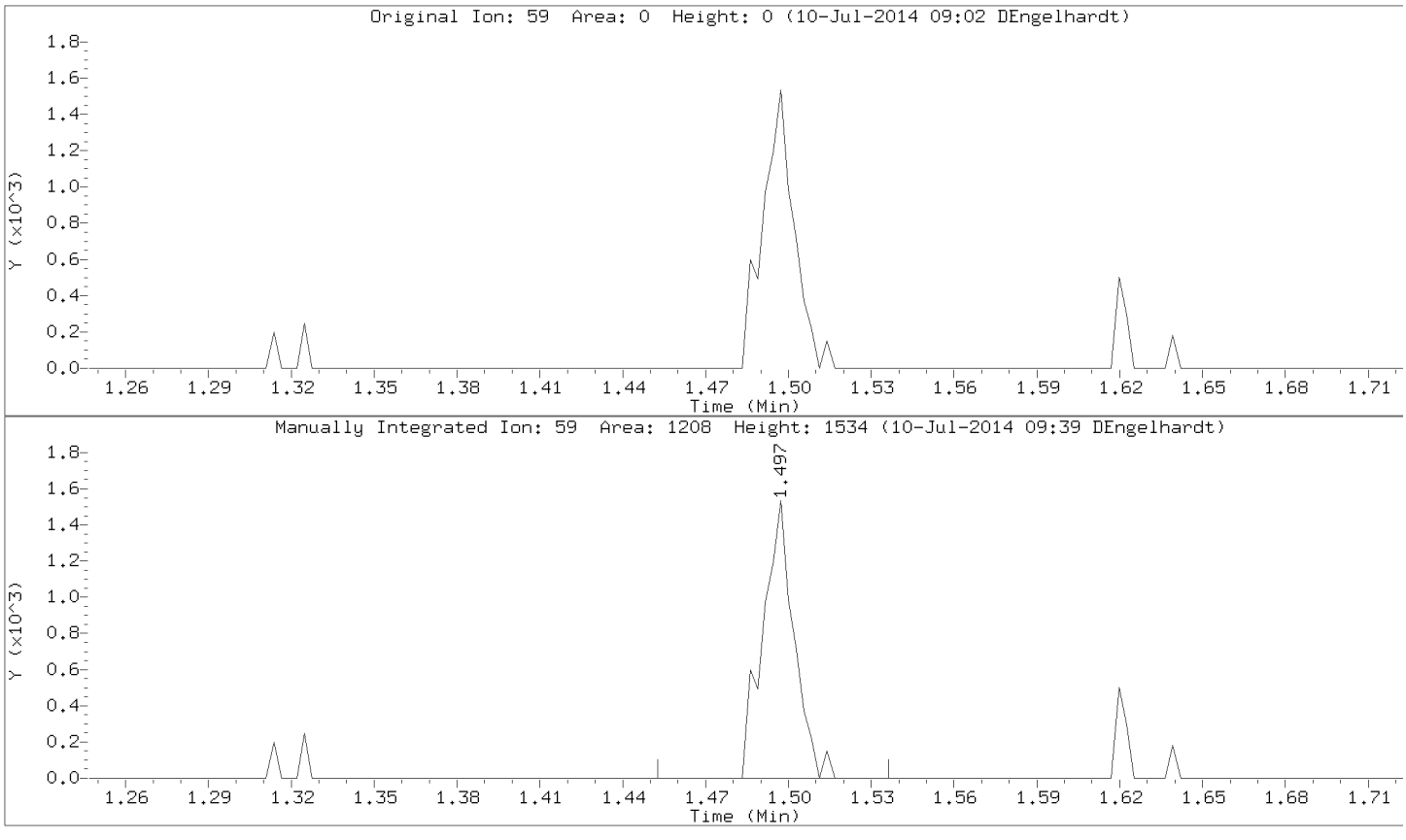
Lab Sample ID: 8260-CAL1,72087:0



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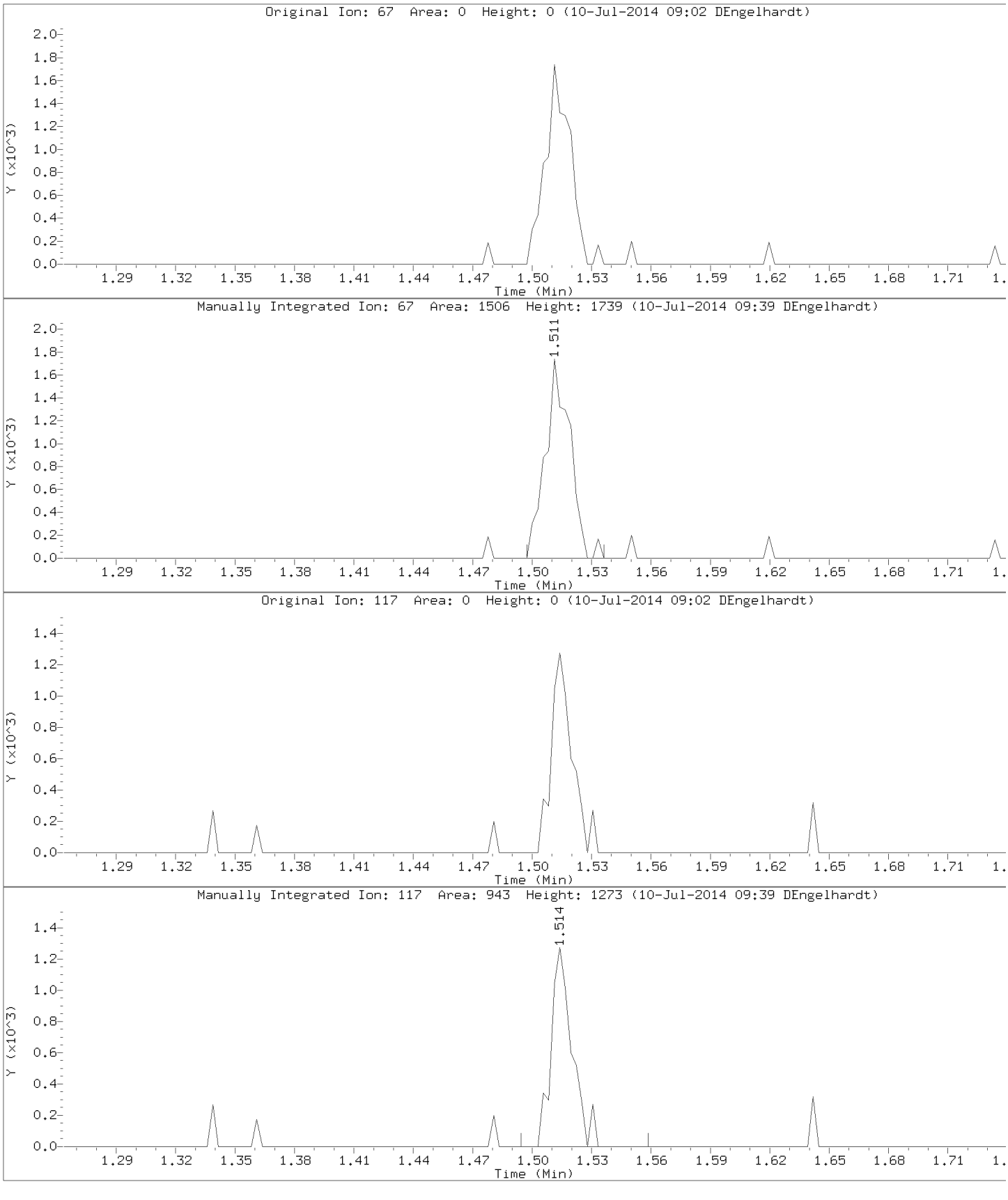
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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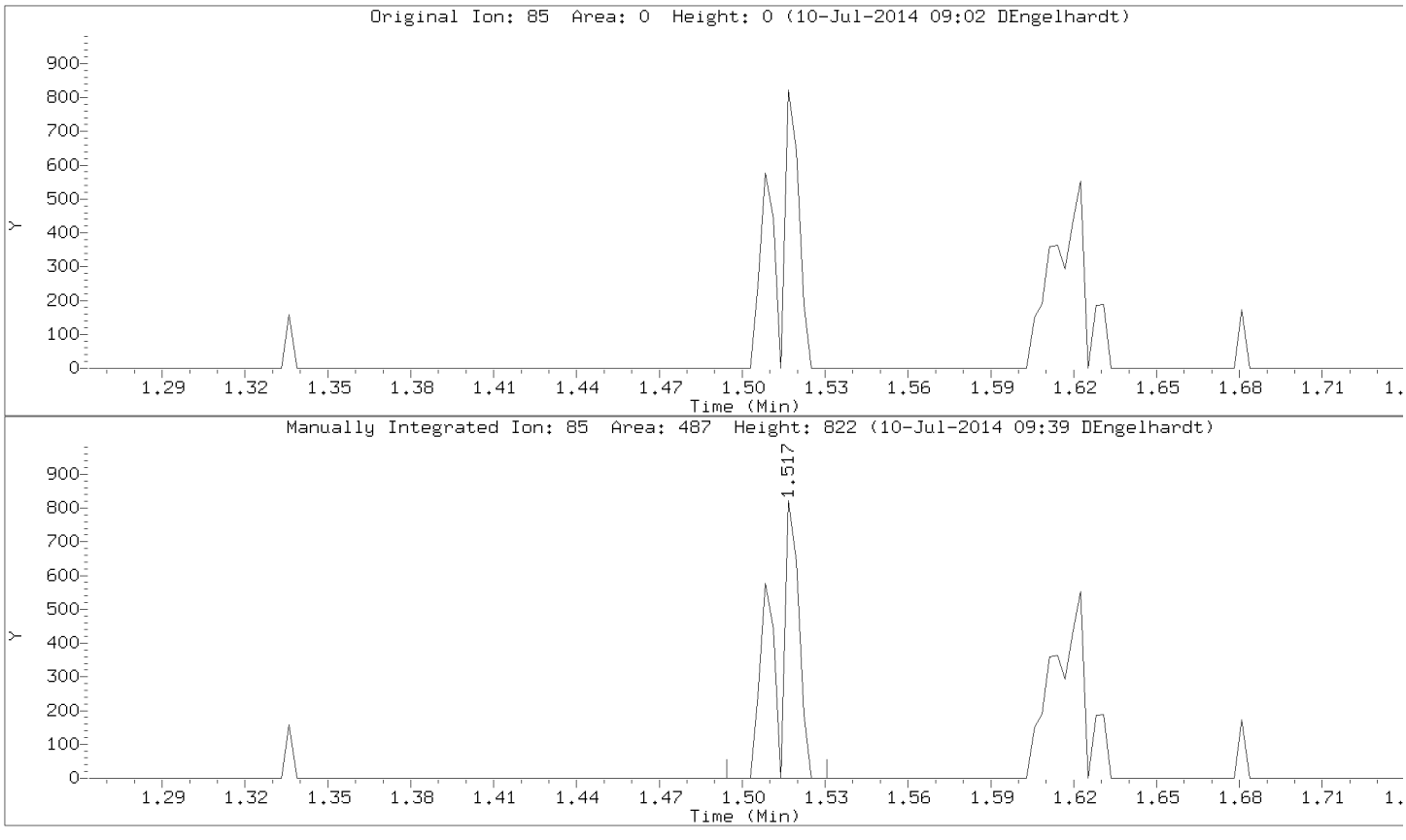
Lab Sample ID: 8260-CAL1,72087:0



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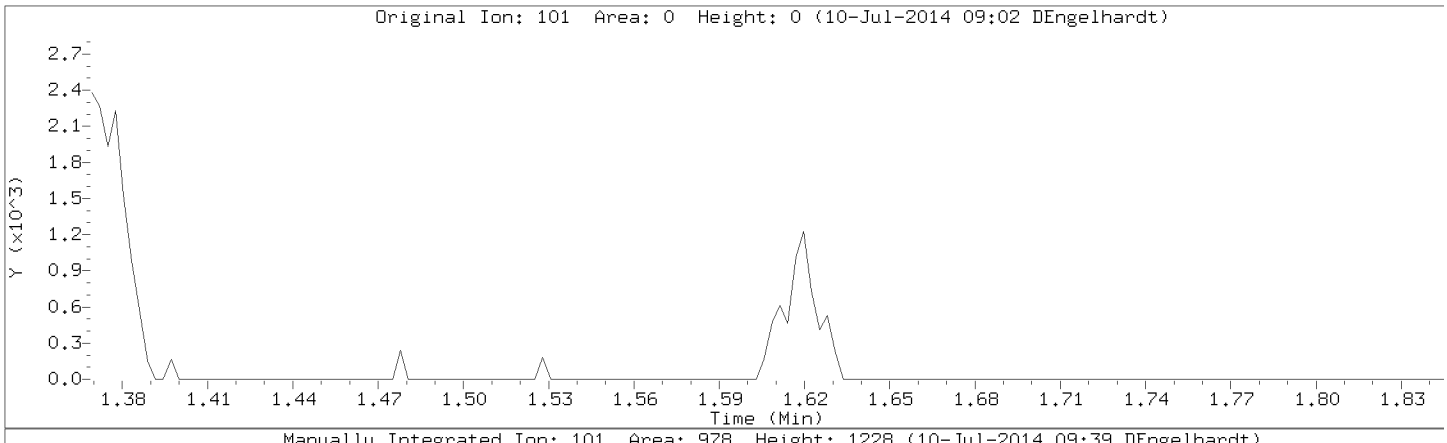
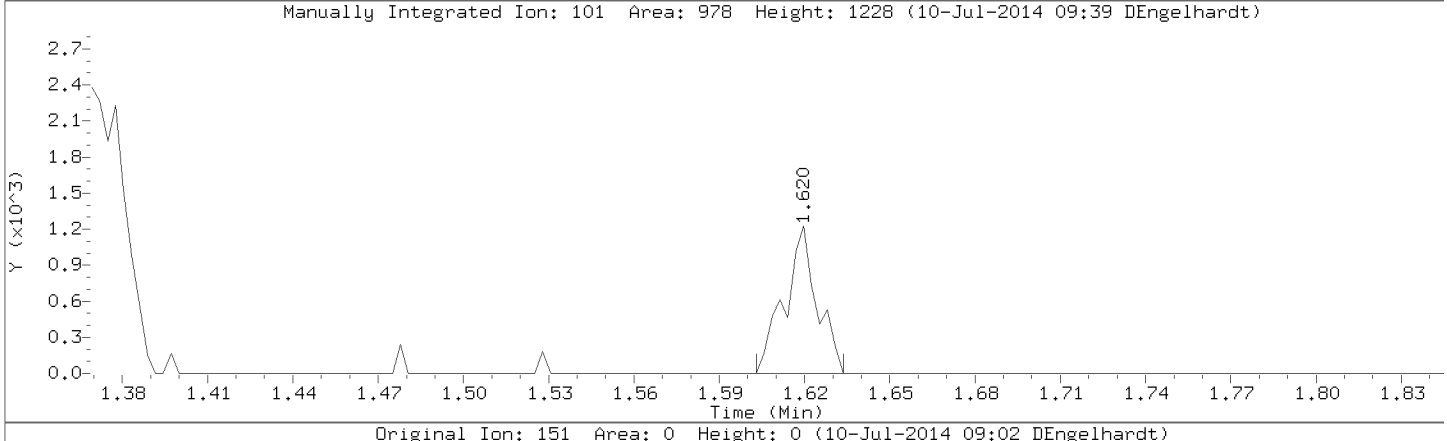
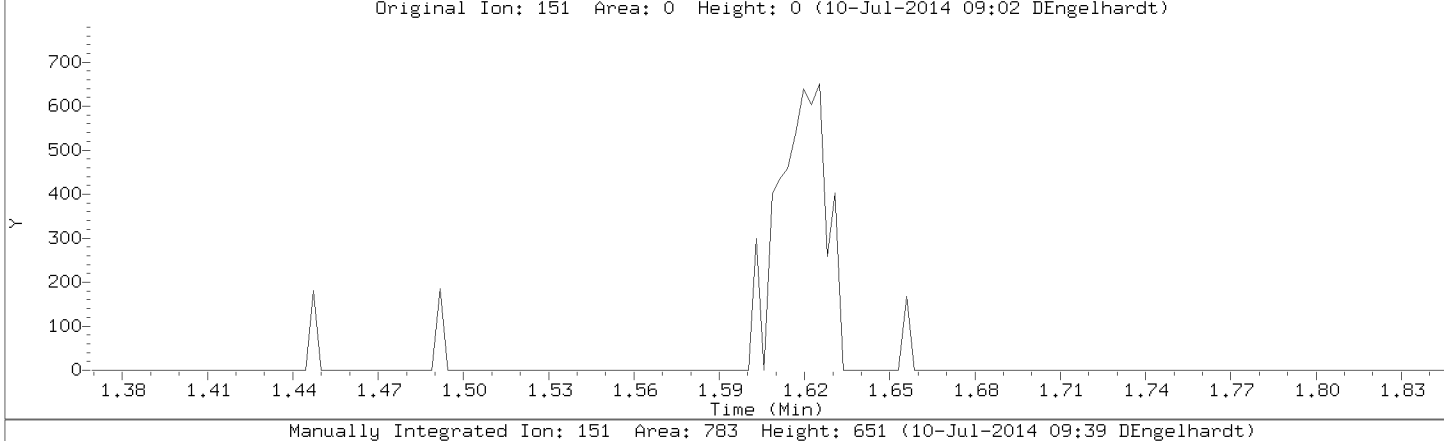
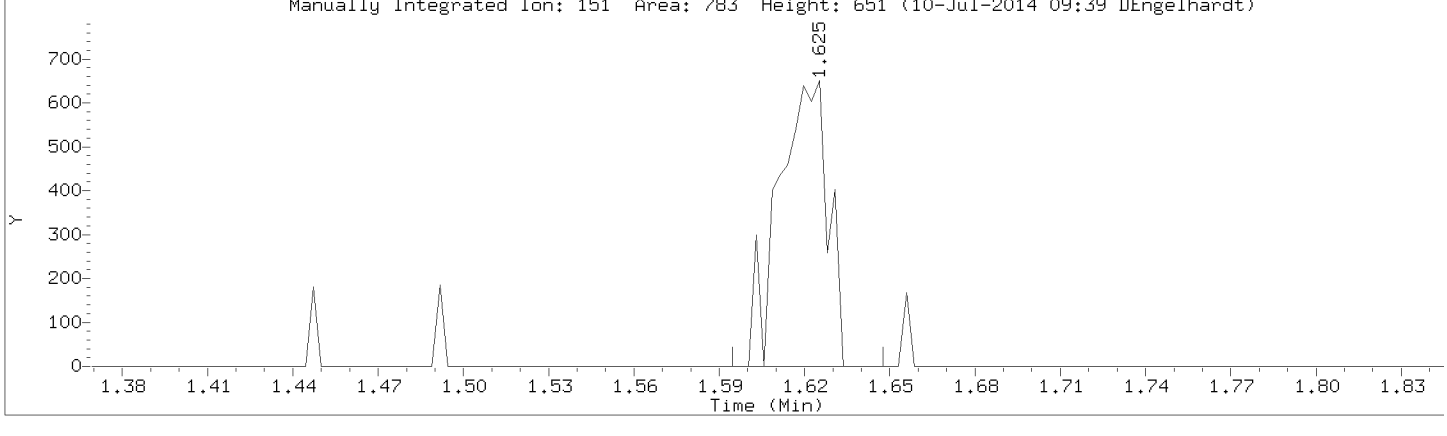
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1,2trichlorotrifluoroethane
CAS Number: 76-13-1









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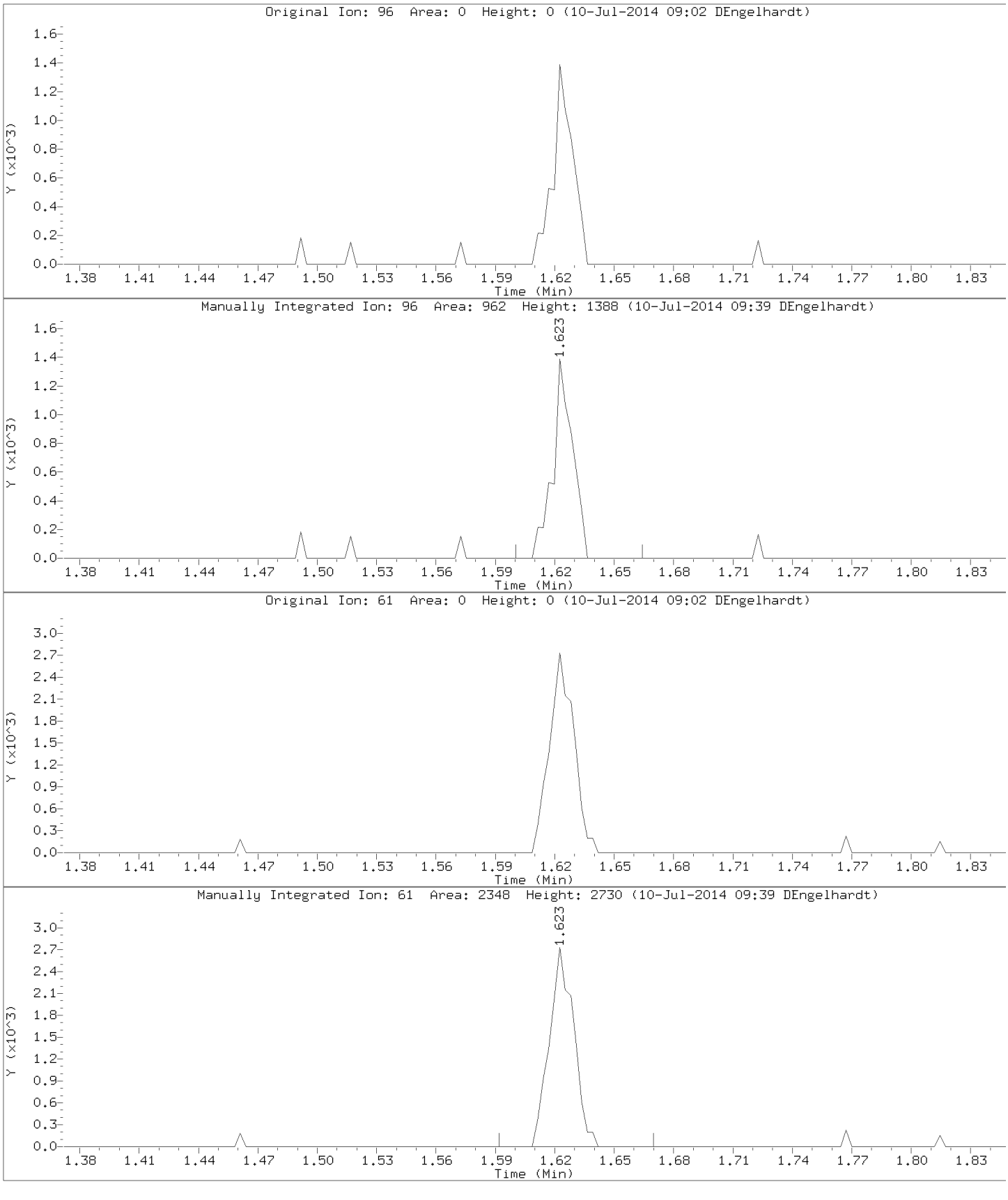
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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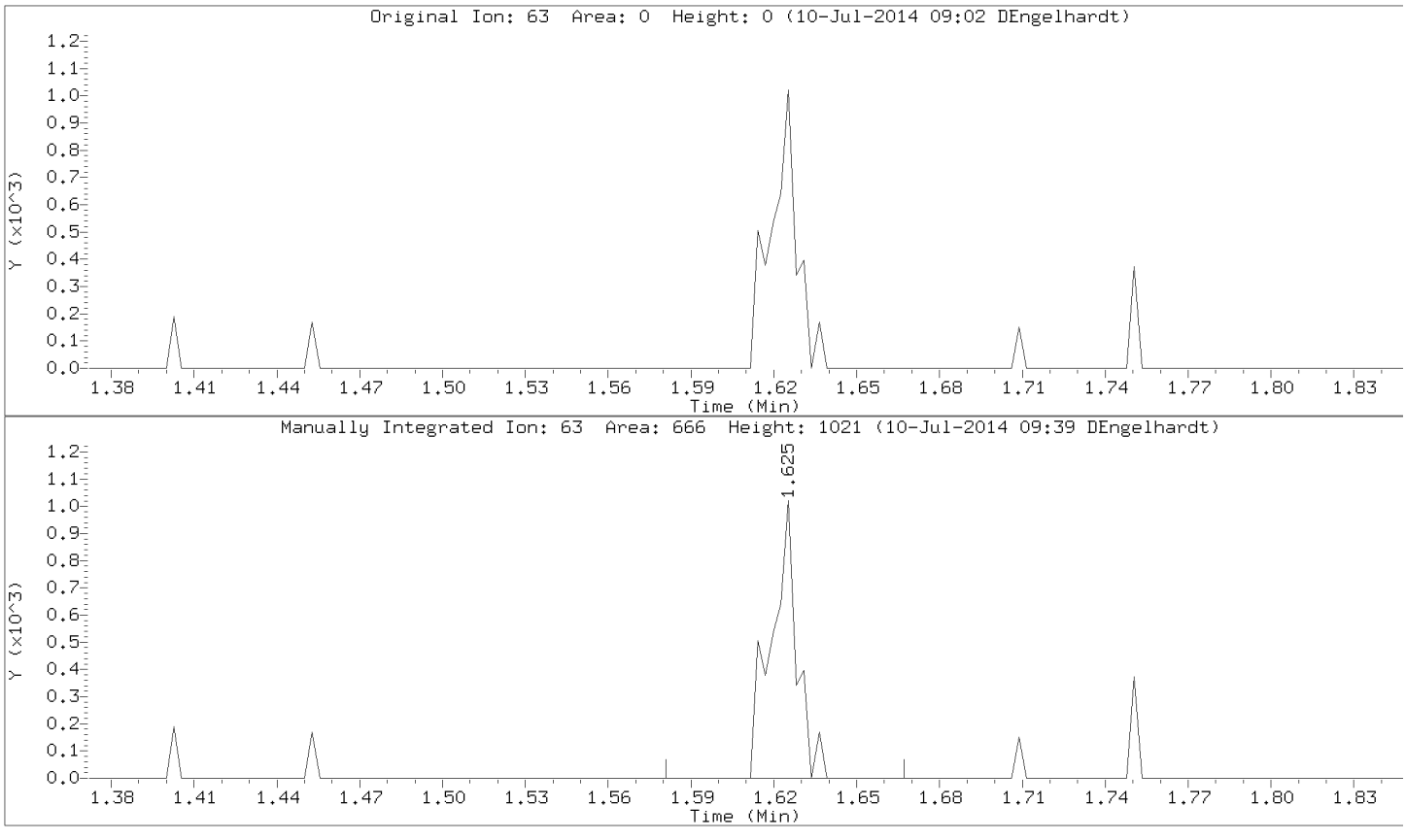
Lab Sample ID: 8260-CAL1,72087:0



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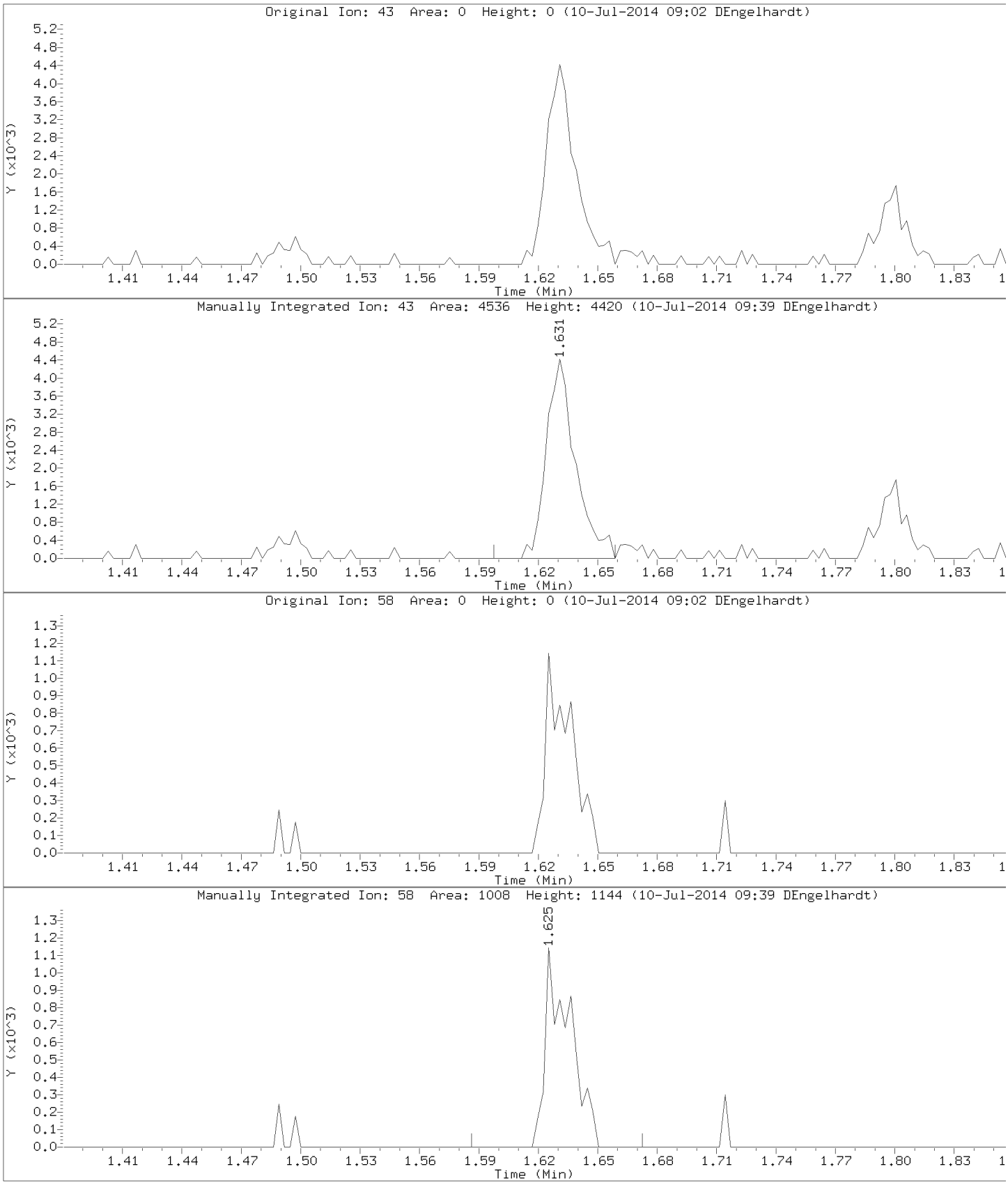
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Acetone
CAS Number: 67-64-1



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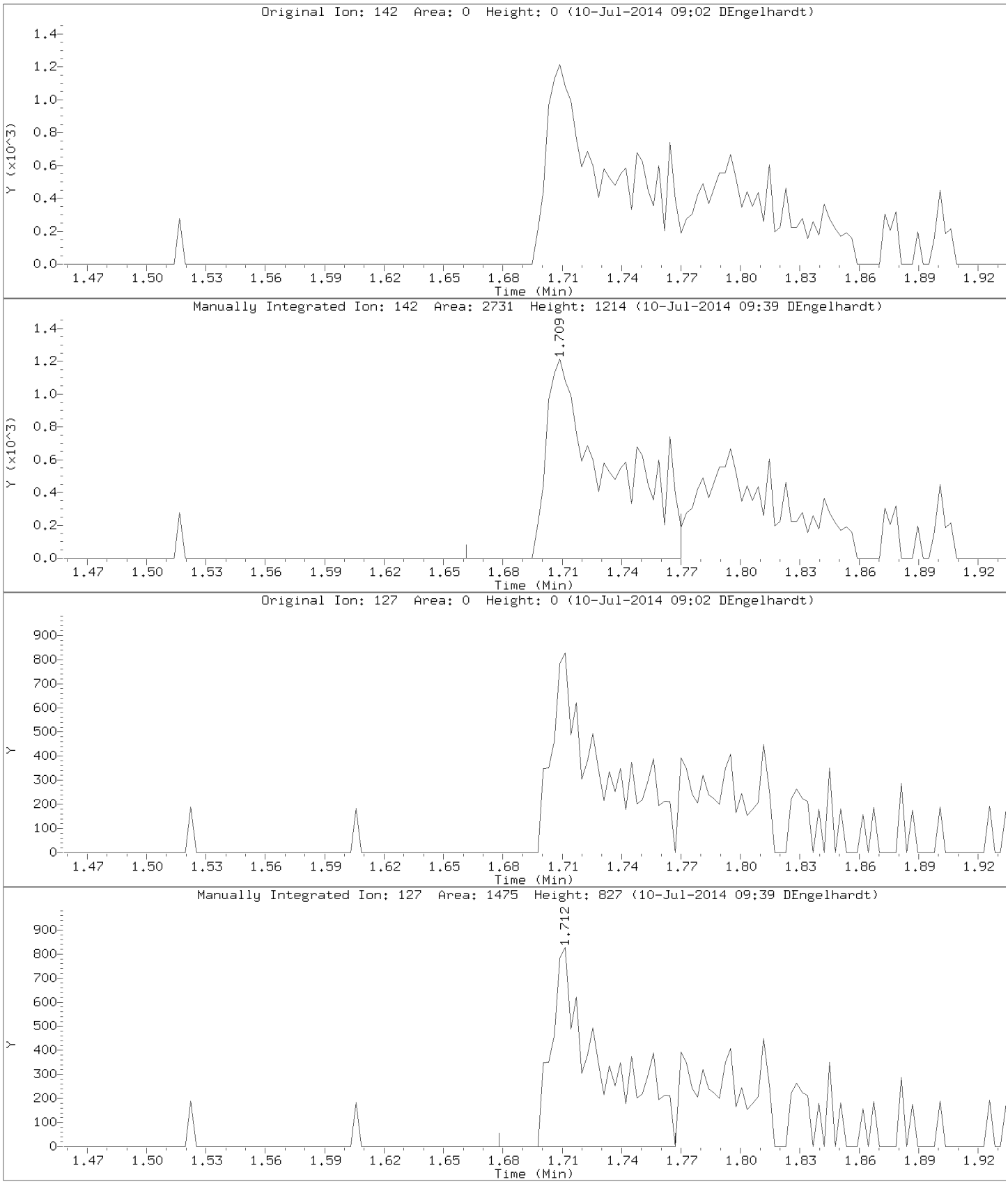
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Iodomethane
CAS Number:



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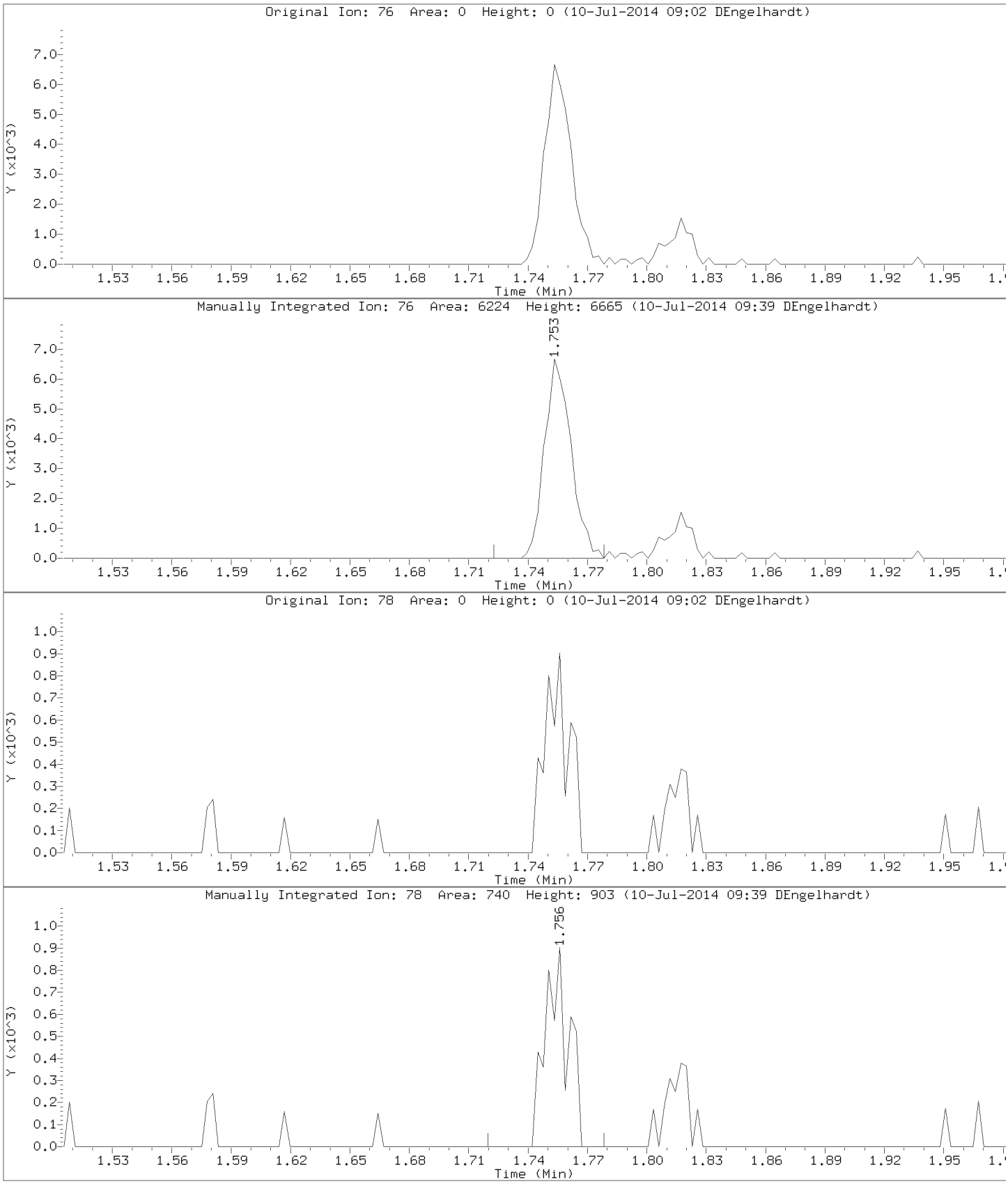
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Carbon Disulfide
CAS Number: 75-15-0



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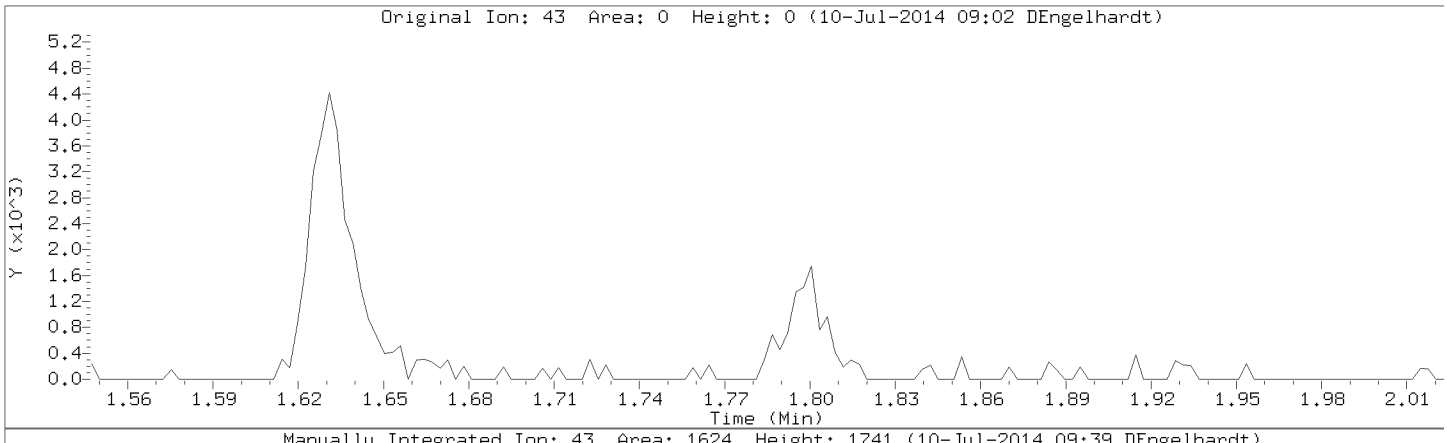
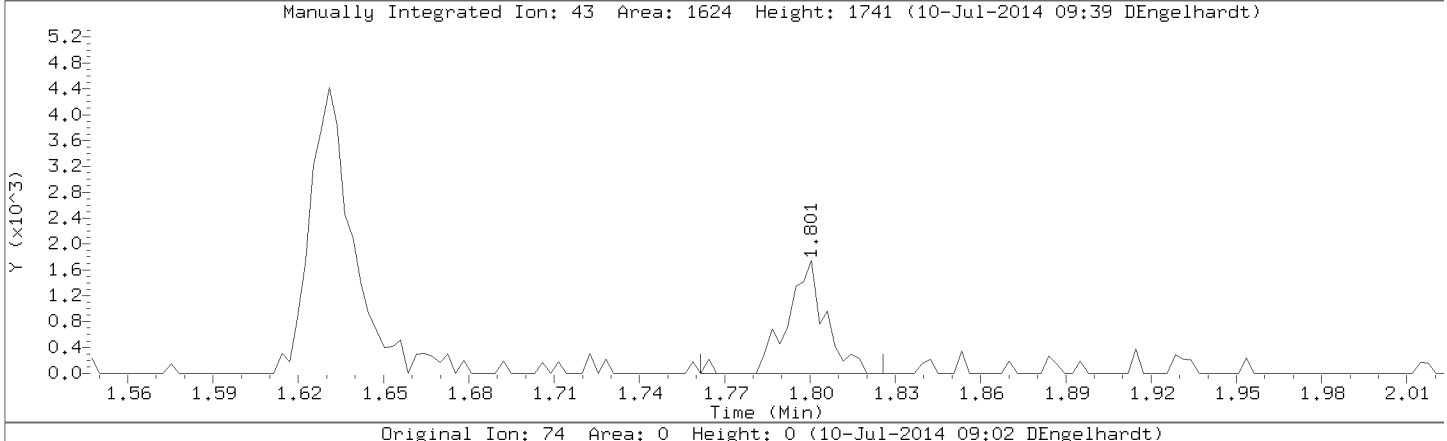
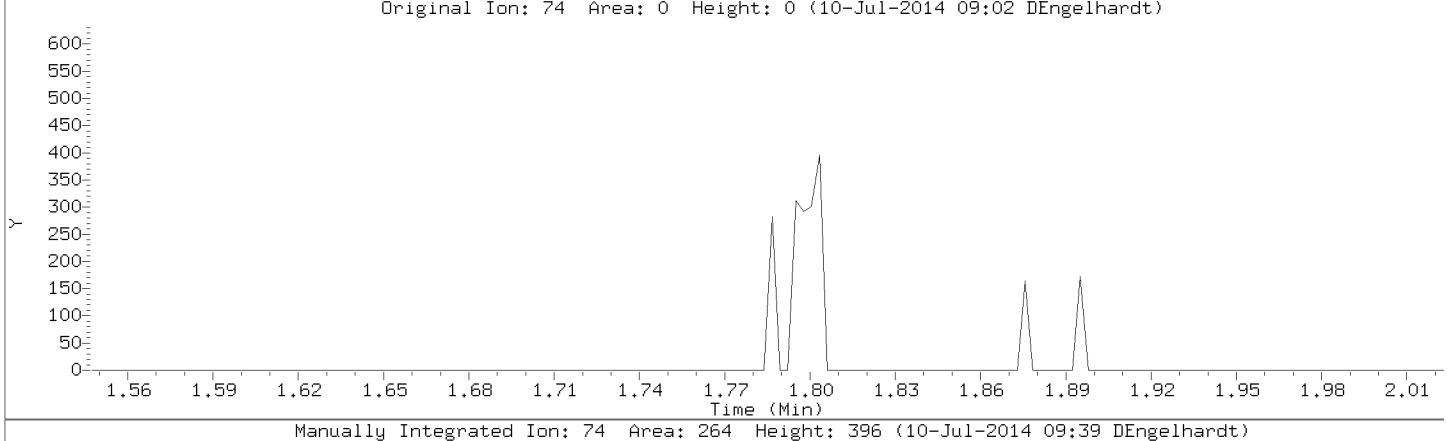
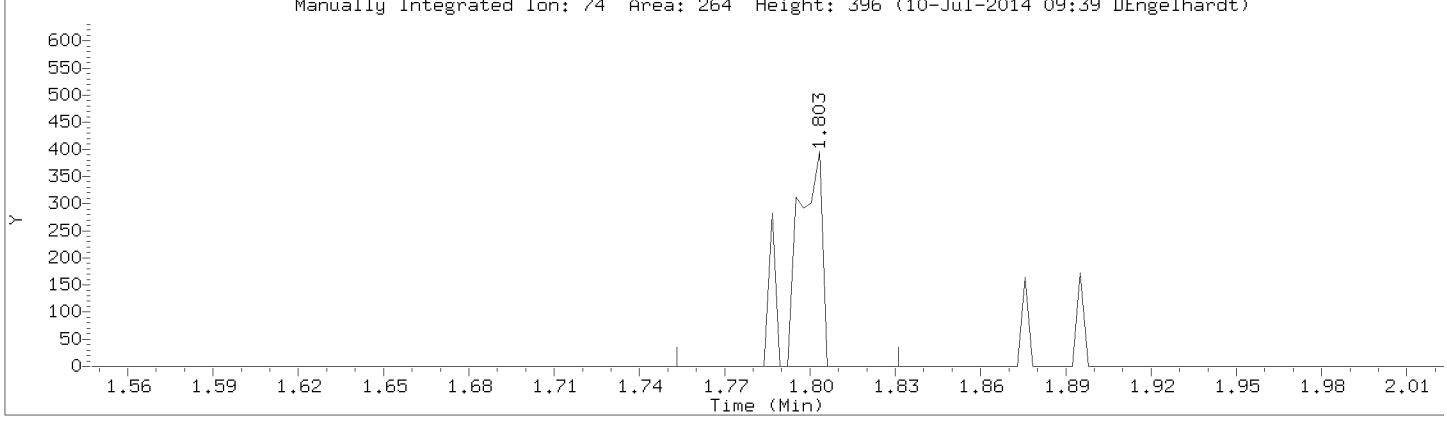
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Methyl Acetate
CAS Number: 79-20-9









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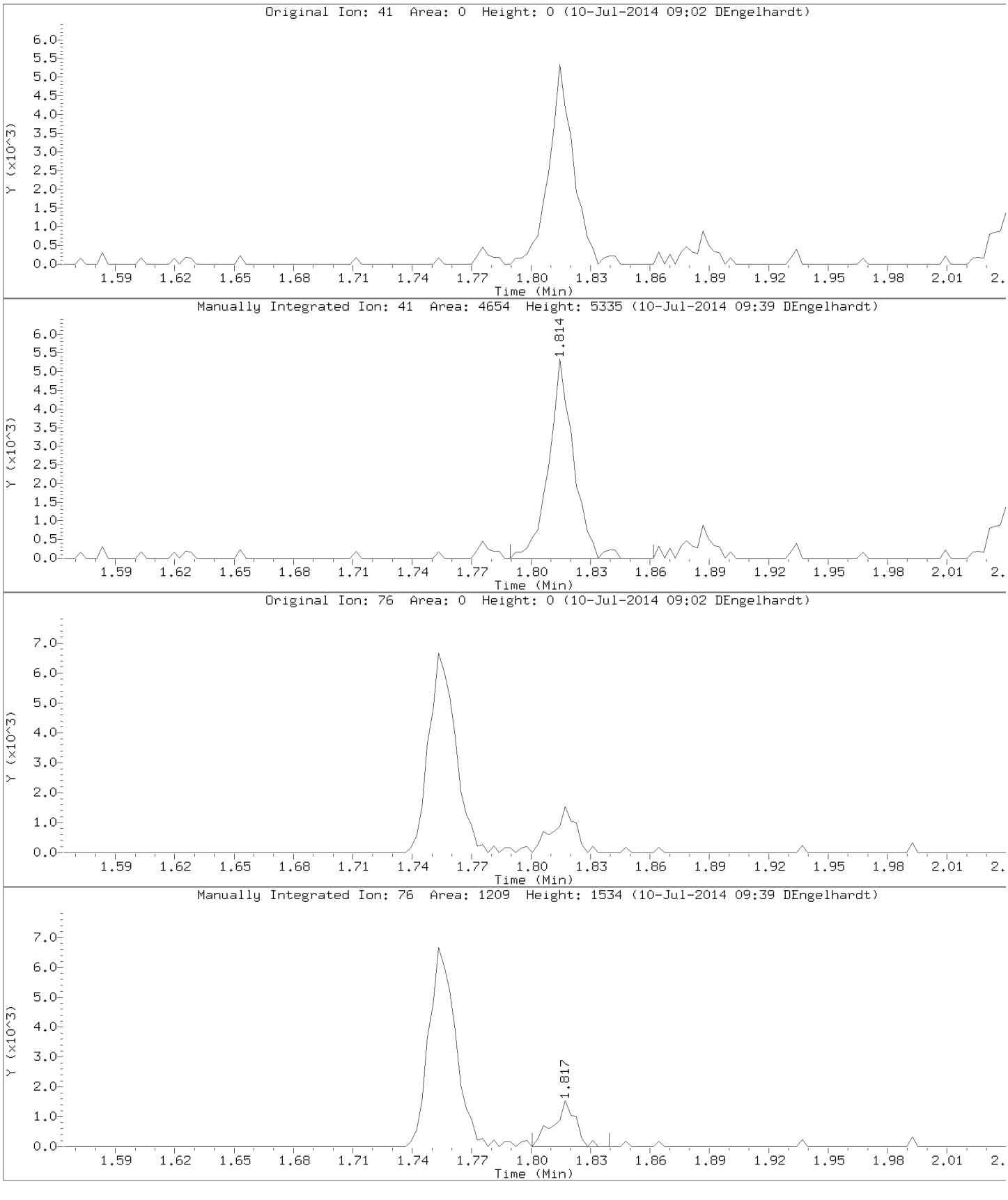
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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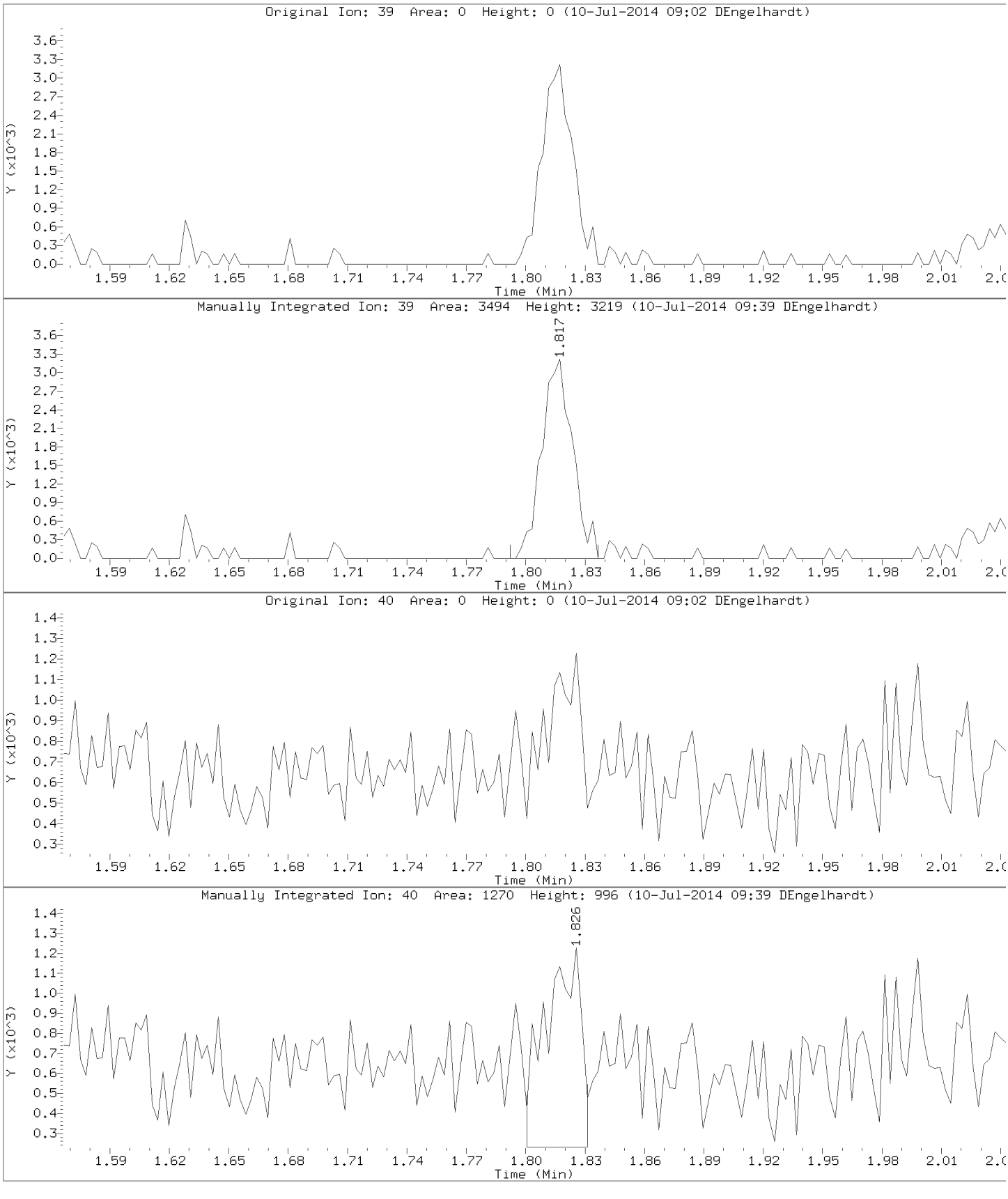
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Acetonitrile
CAS Number: 75-05-8



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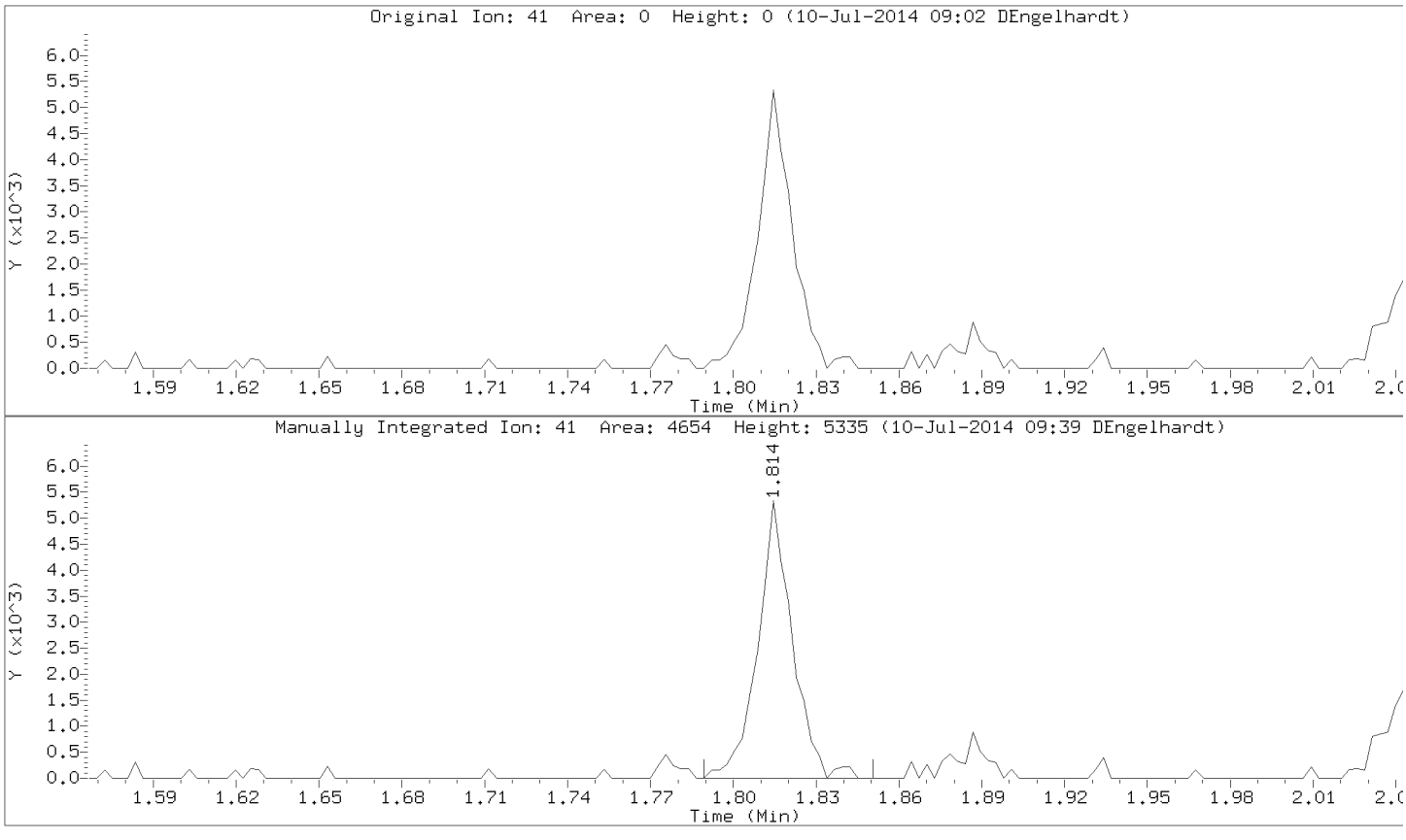
Lab Sample ID: 8260-CAL1,72087:0



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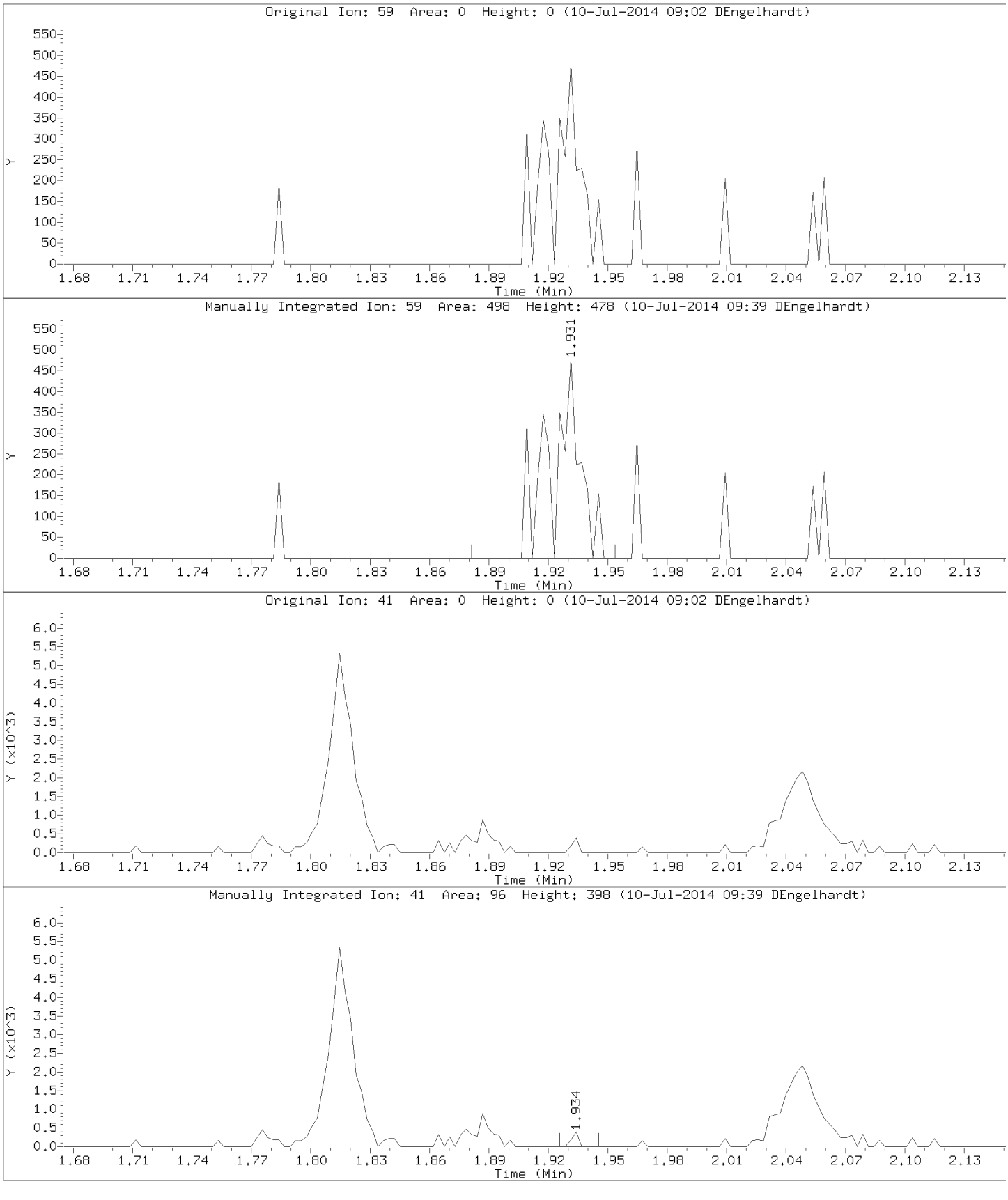
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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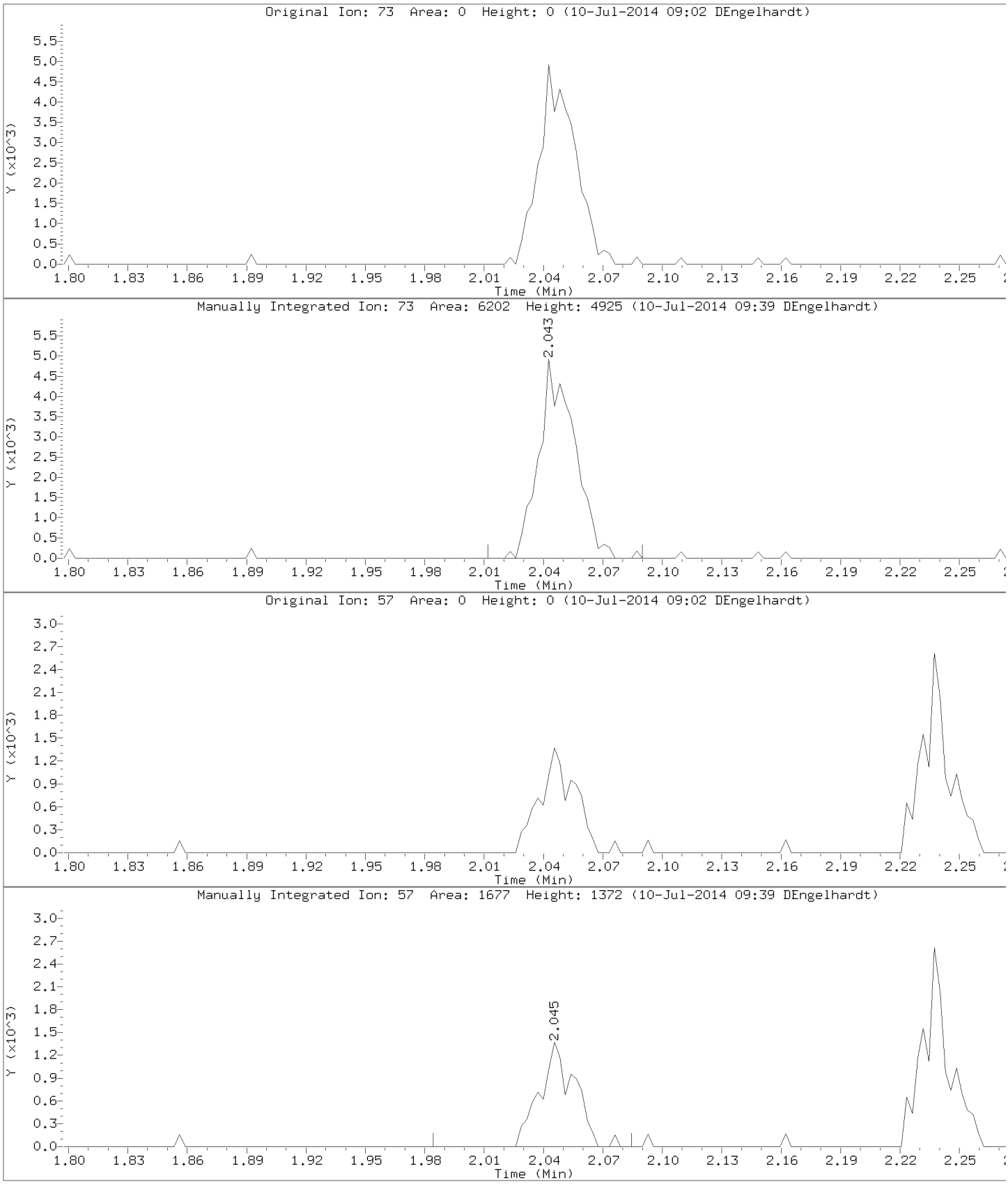
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Methyl-tert-butyl ether
CAS Number: 1634-04-4



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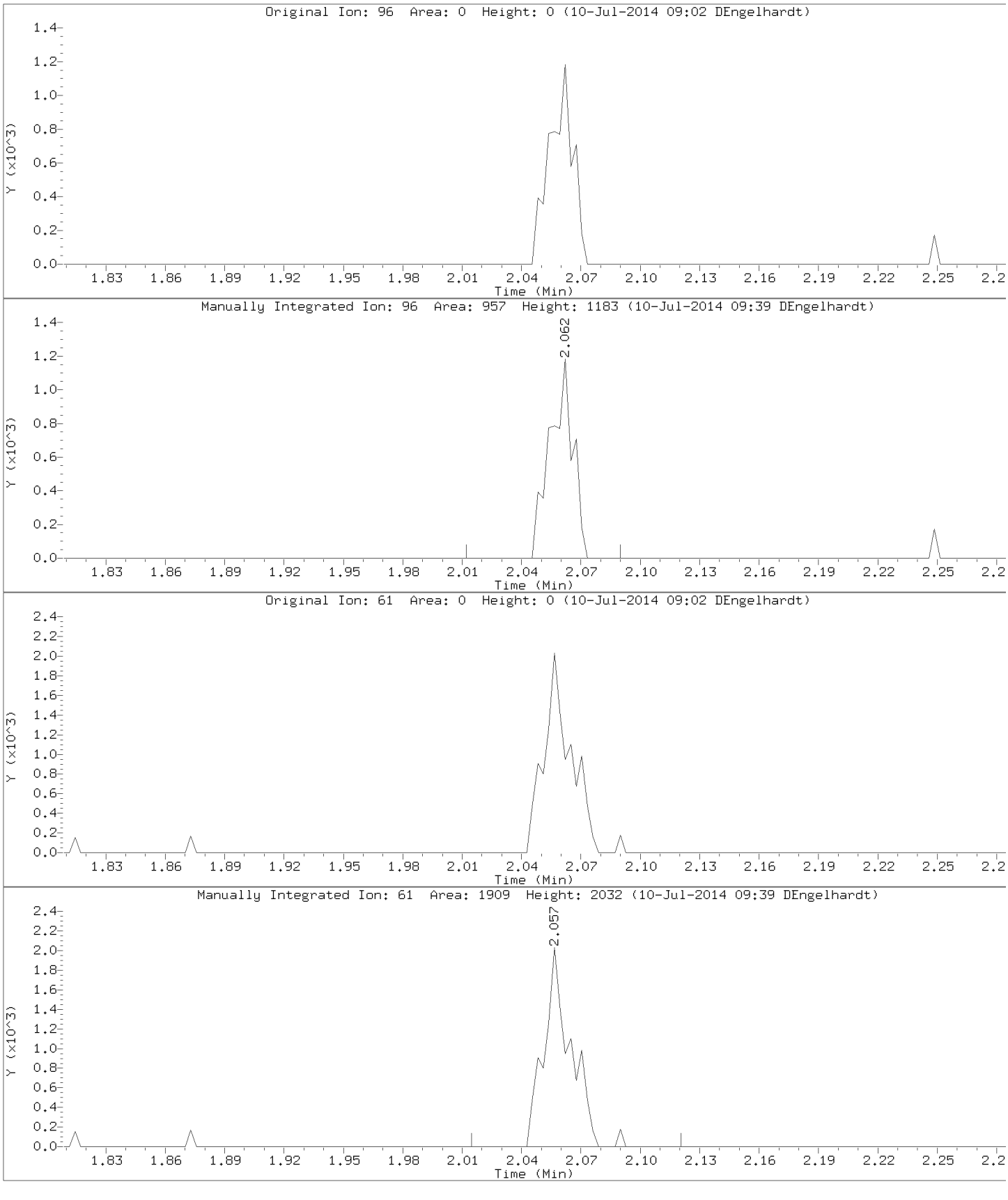
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dichloroethene (trans)
CAS Number: 156-60-5



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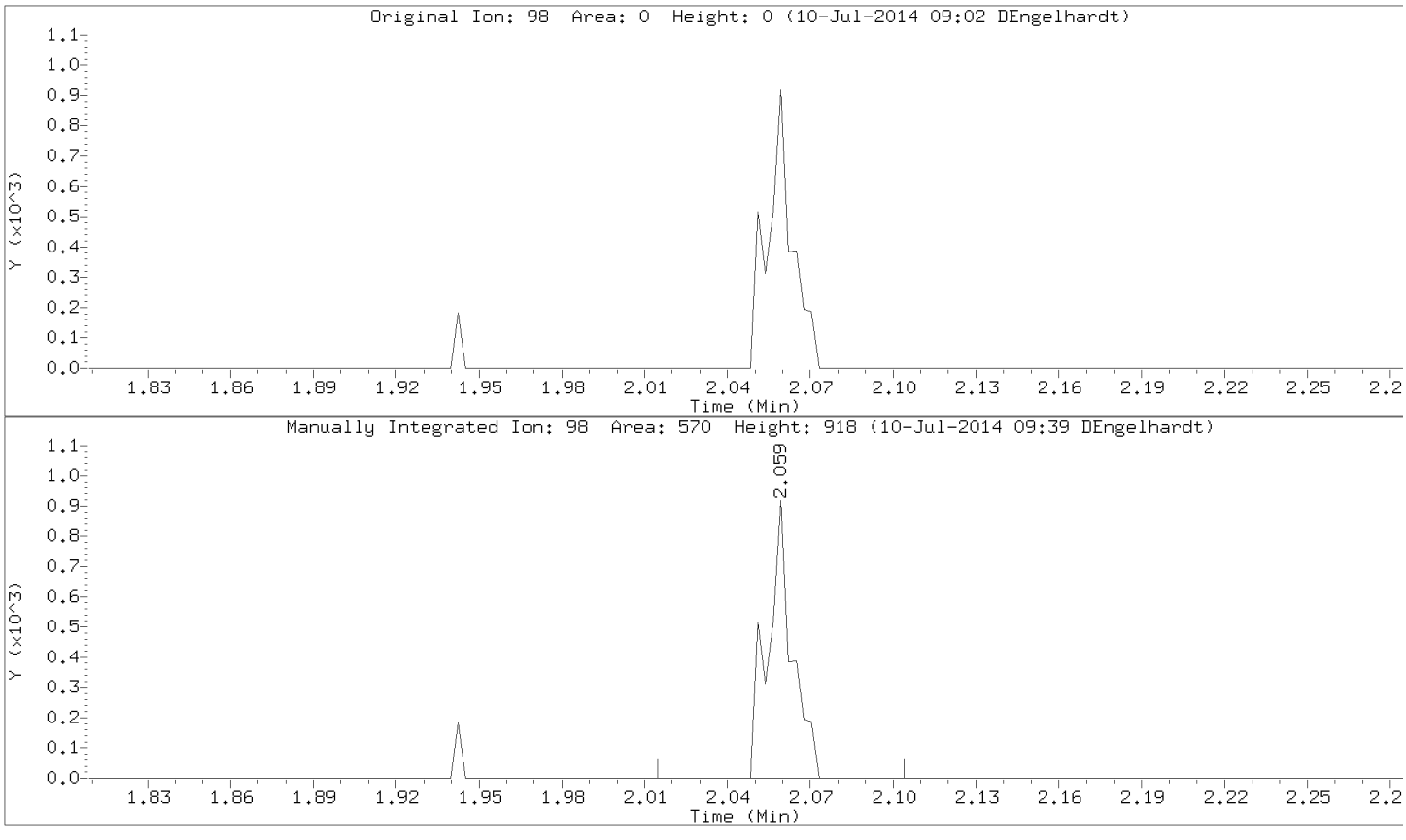
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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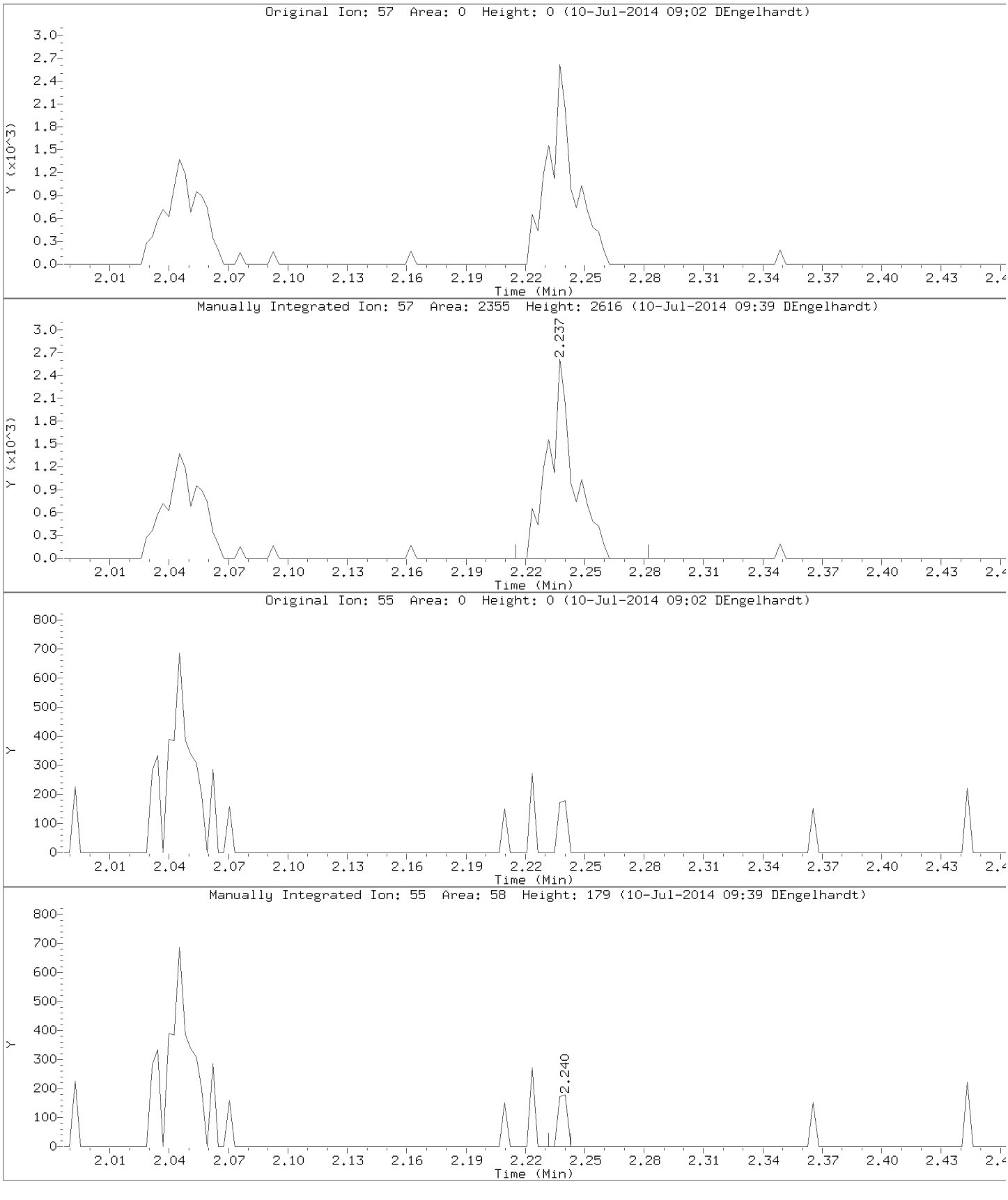
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: n-Hexane
CAS Number:



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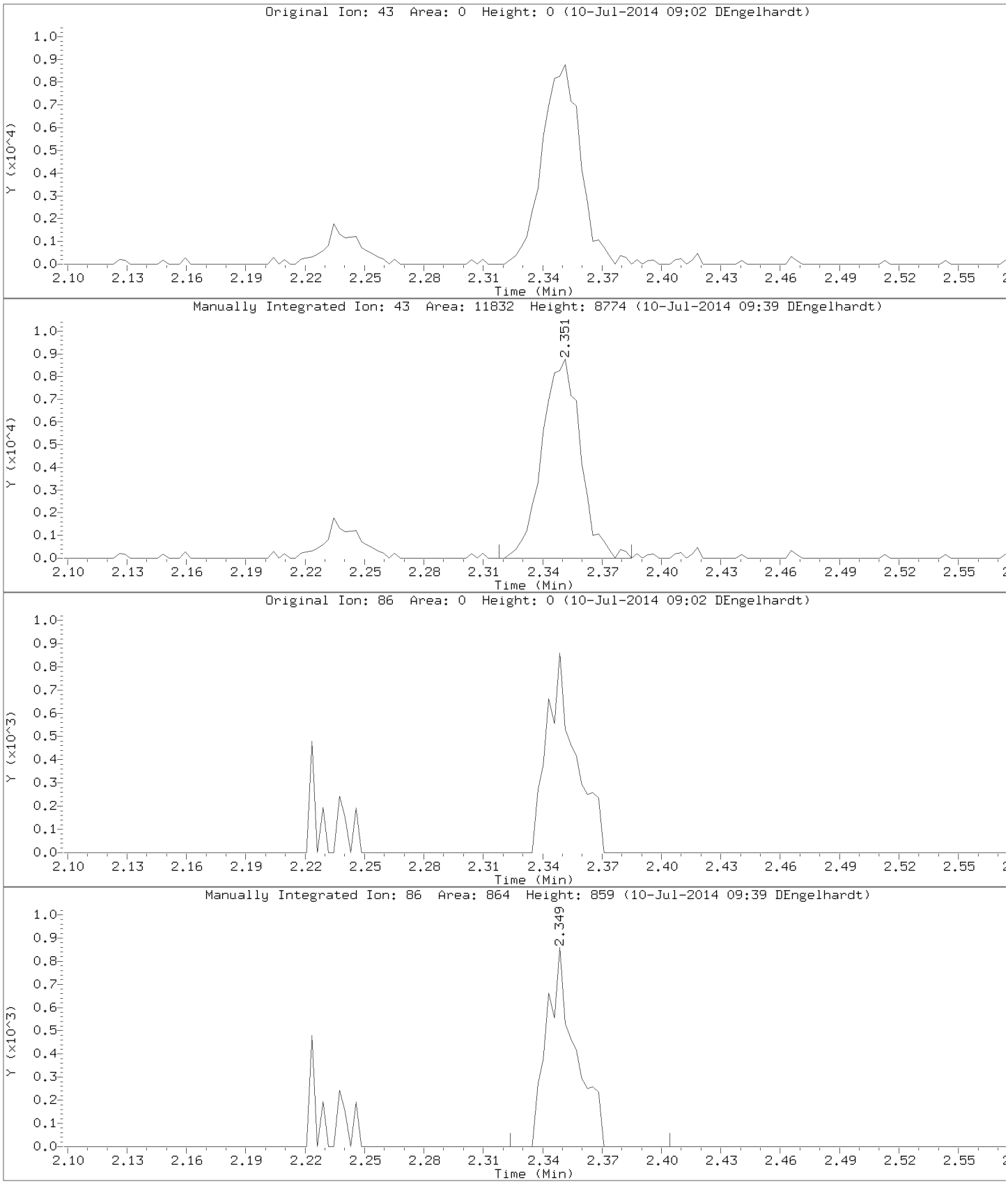
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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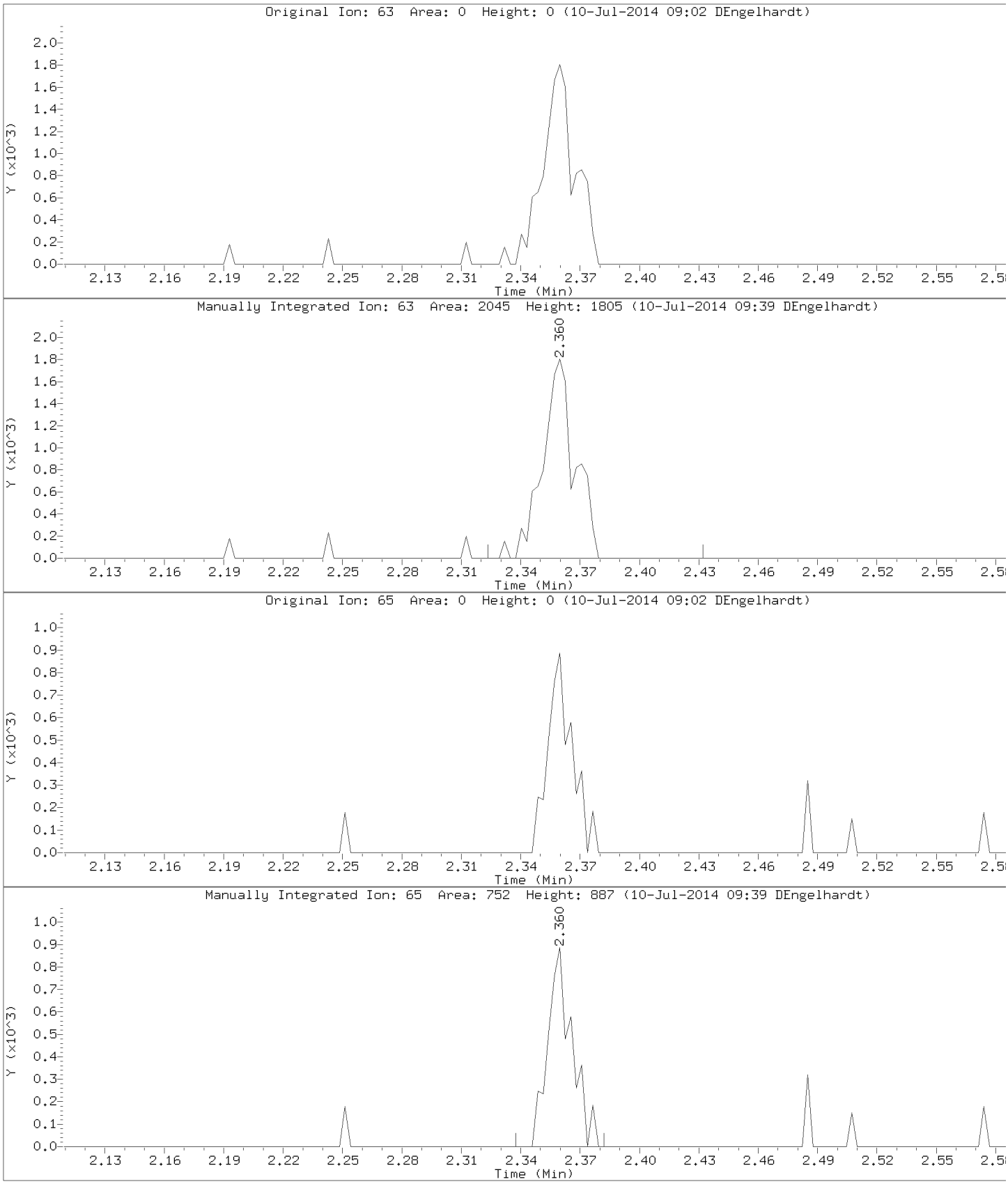
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3



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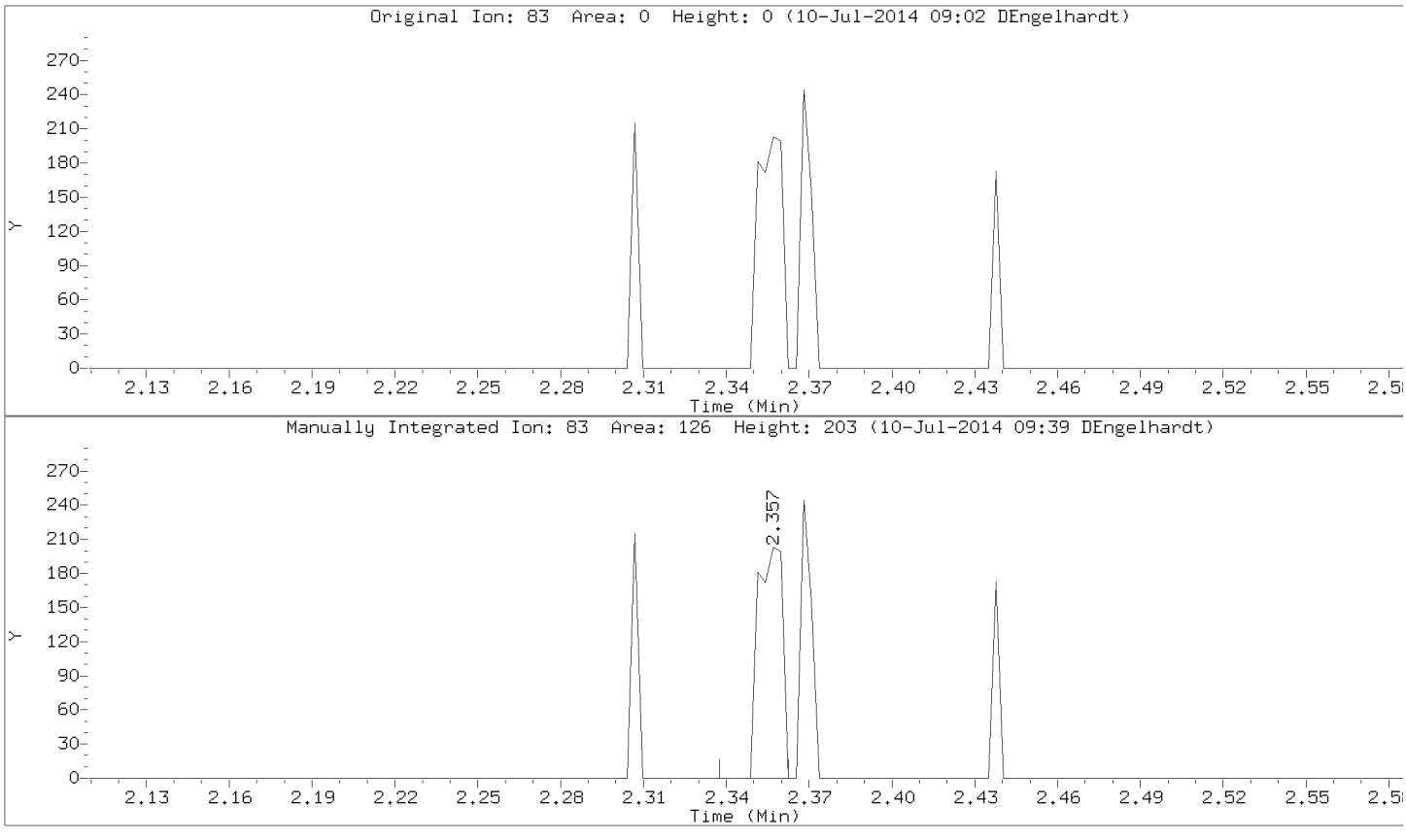
Lab Sample ID: 8260-CAL1,72087:0



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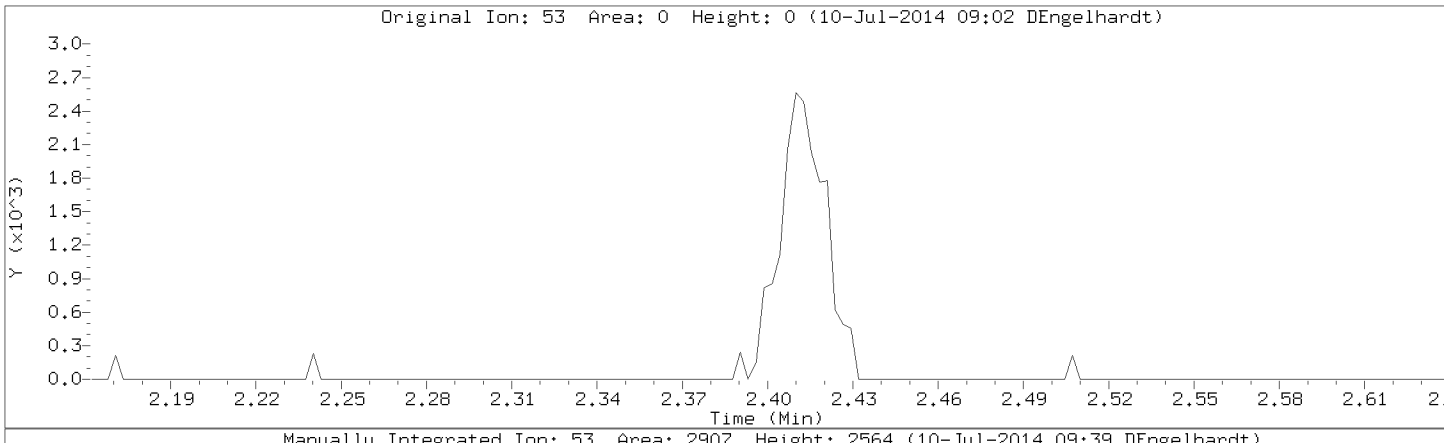
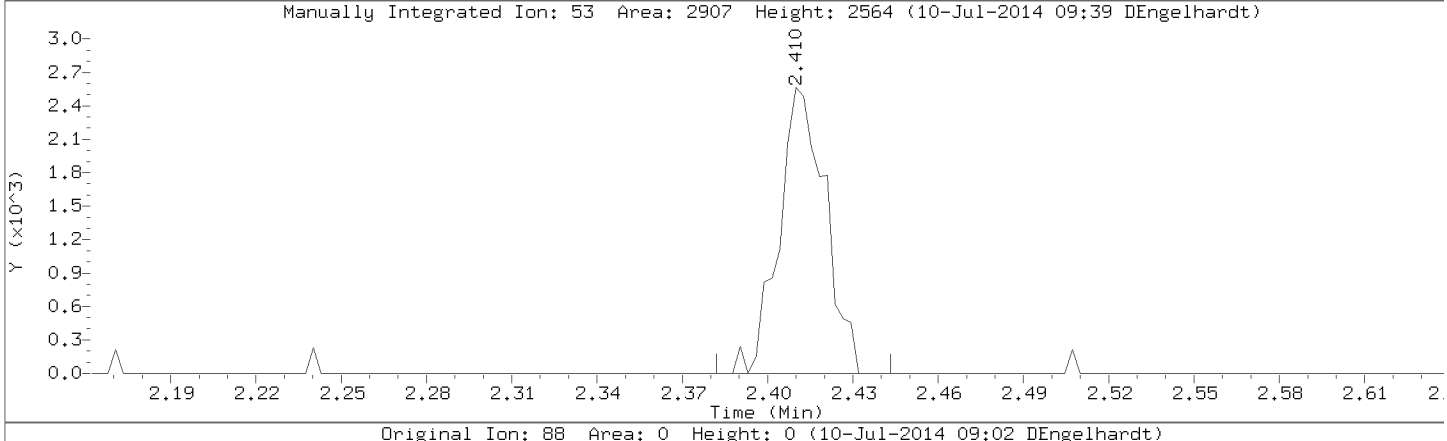
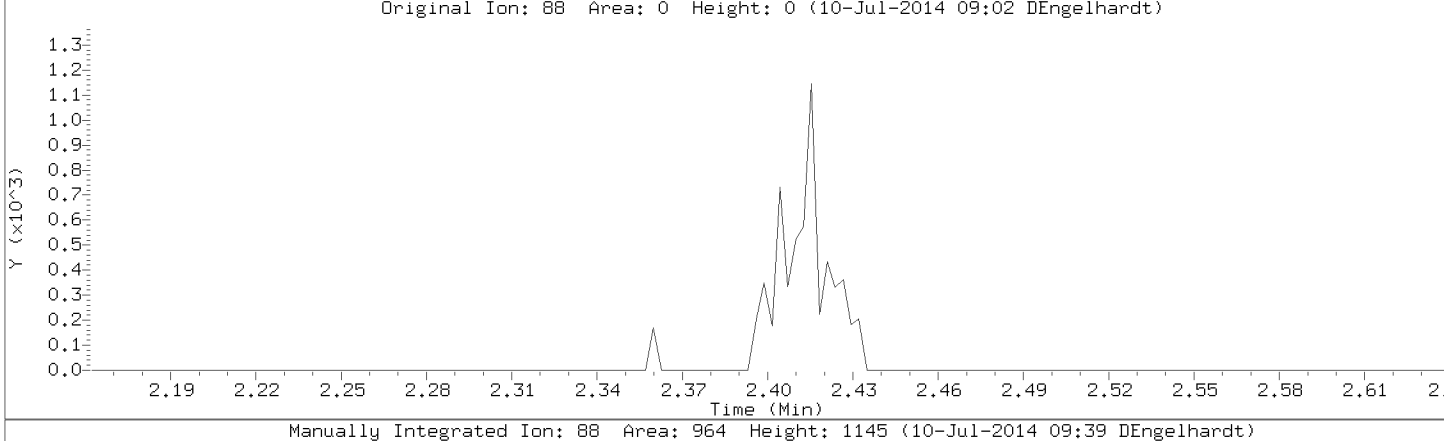
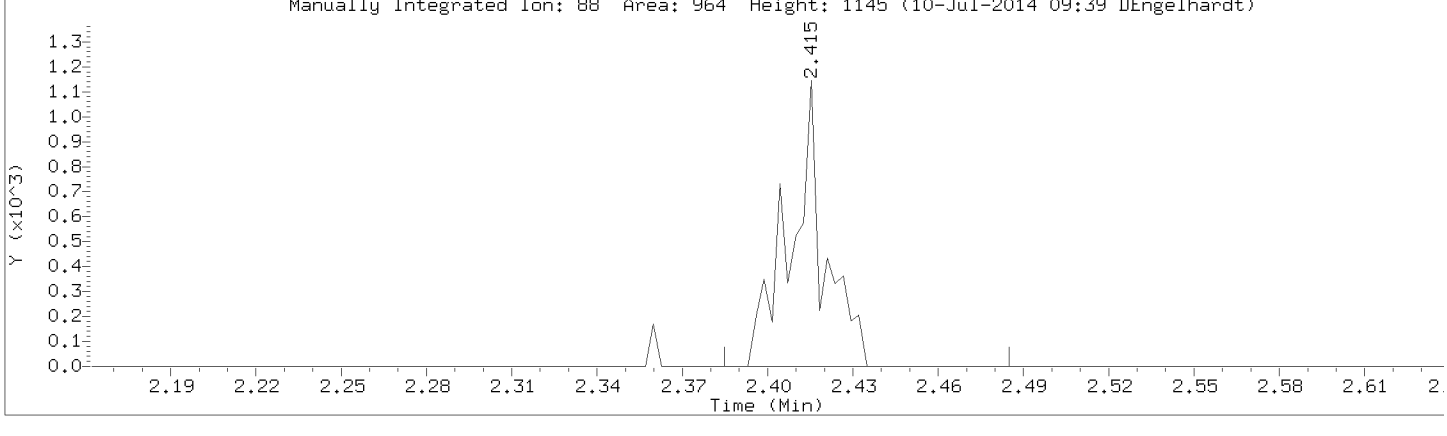
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Chloroprene
CAS Number: 126-99-8









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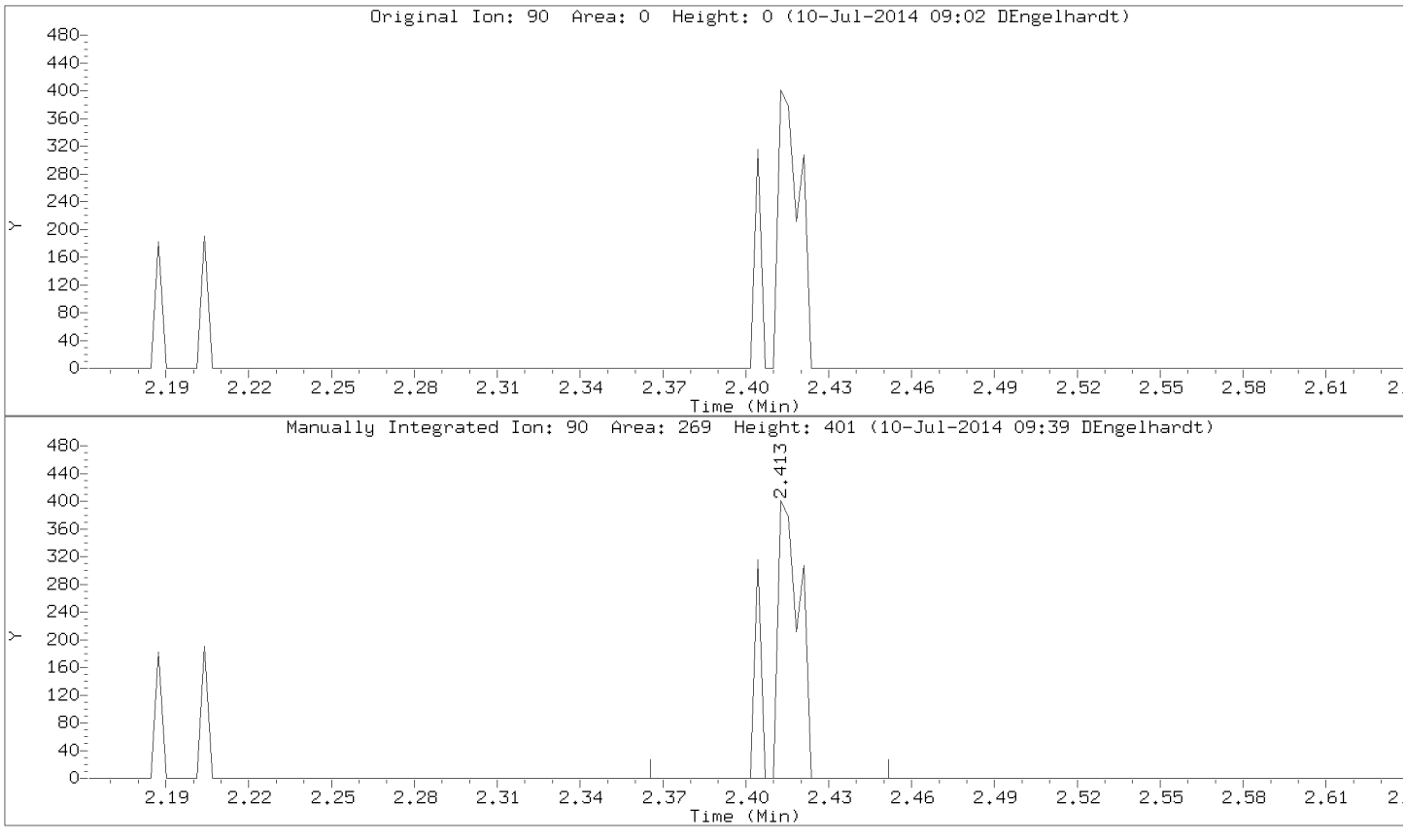
Lab Sample ID: 8260-CAL1,72087:0



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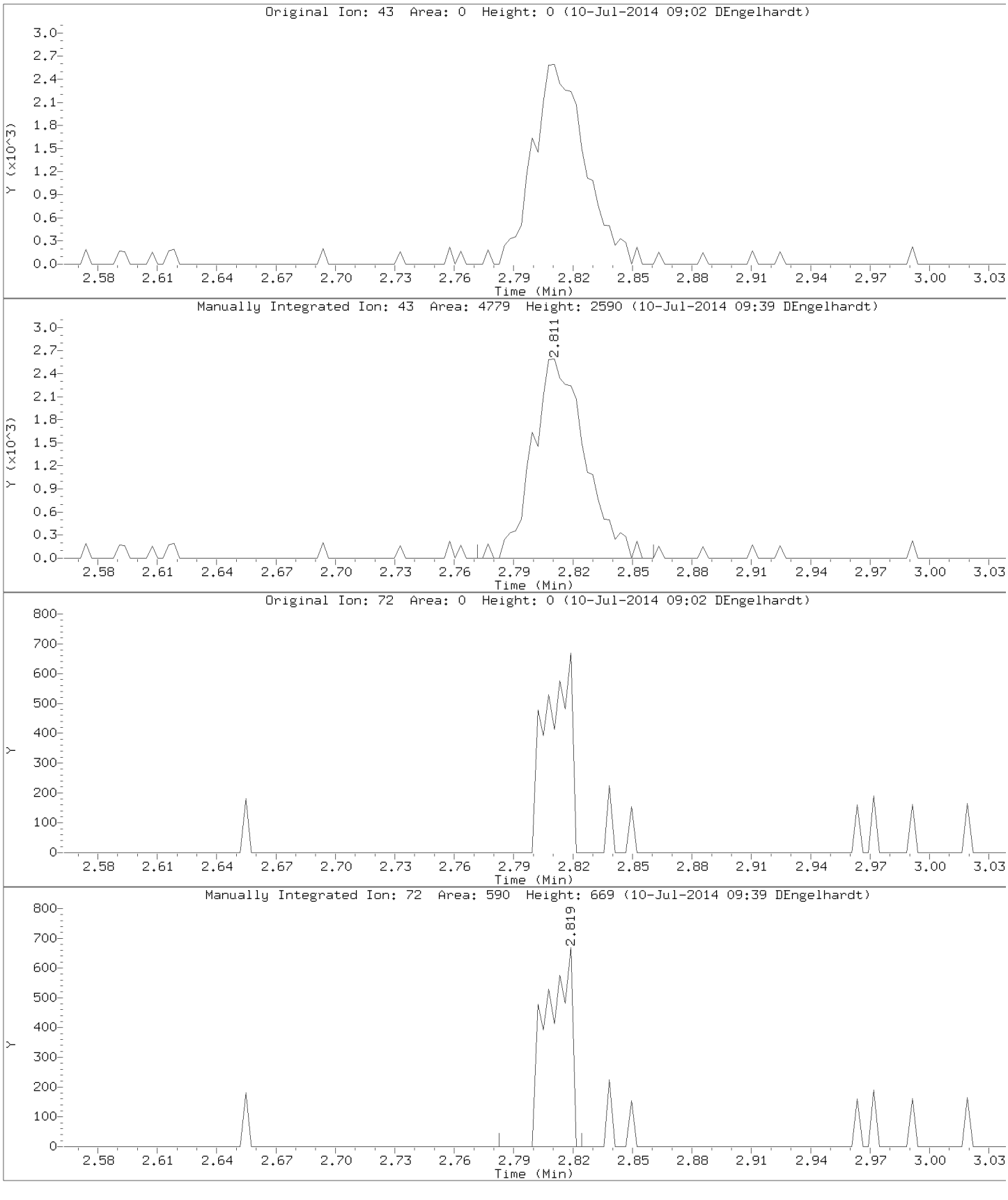
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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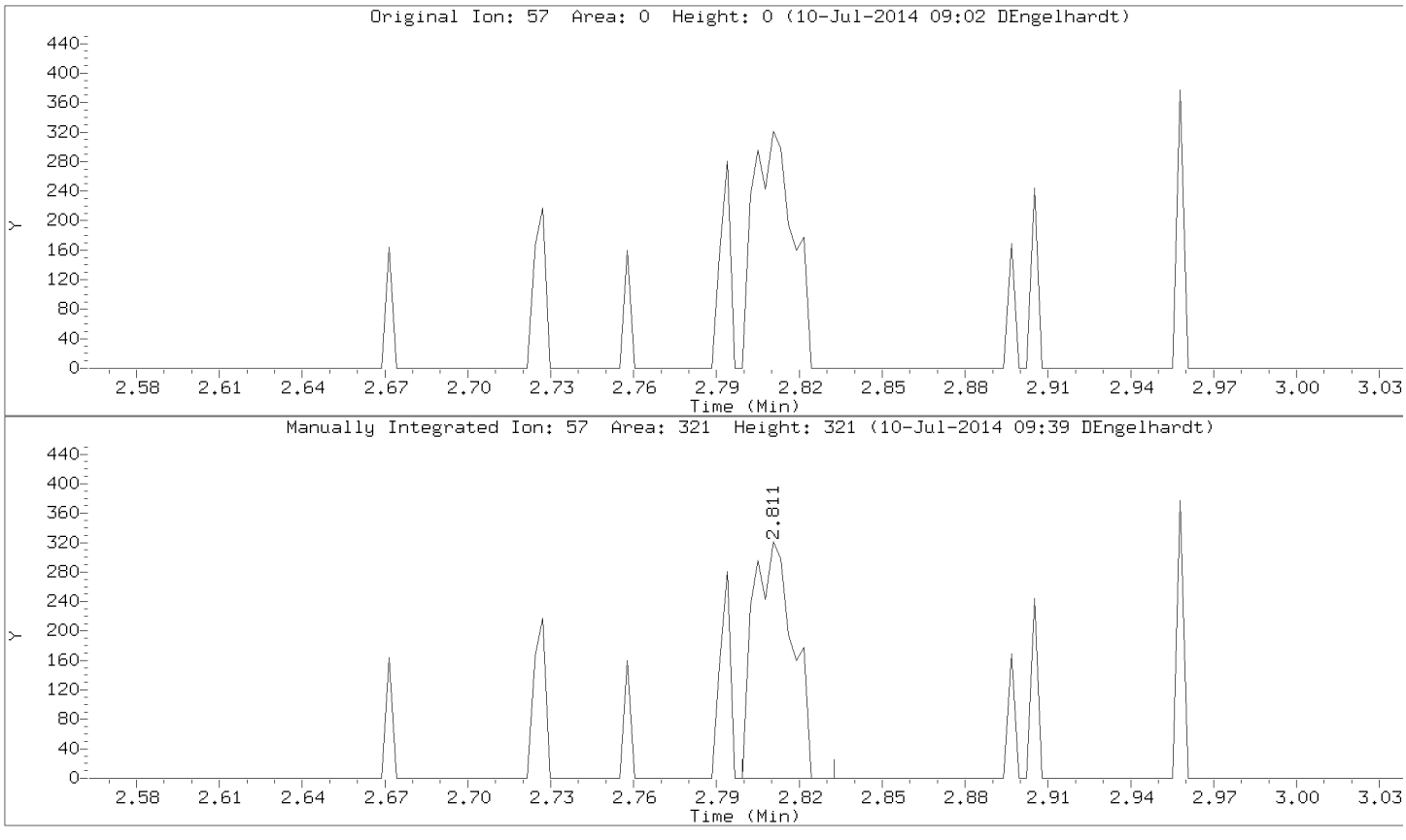
Lab Sample ID: 8260-CAL1,72087:0



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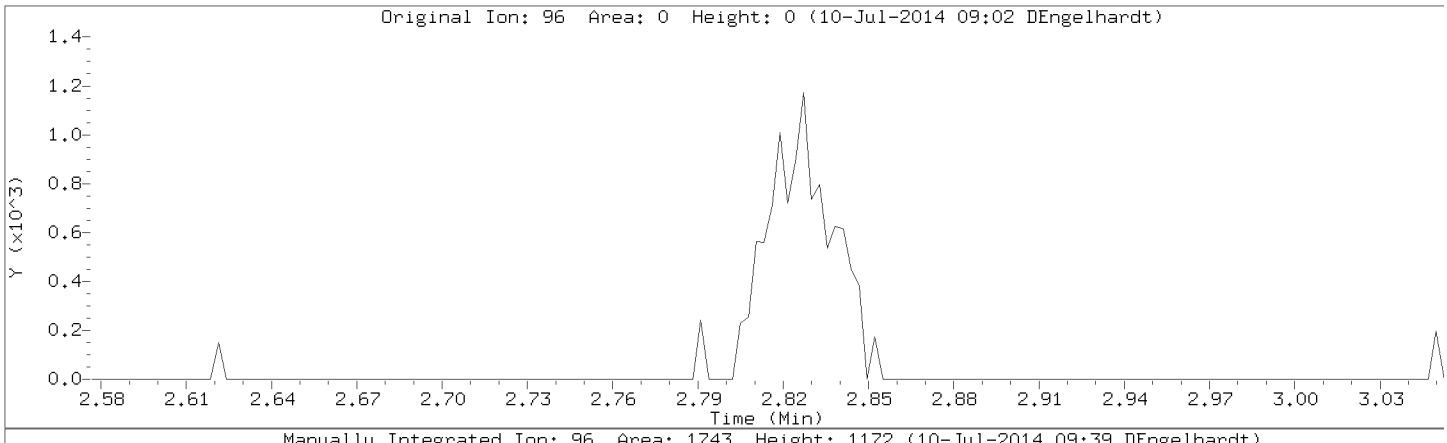
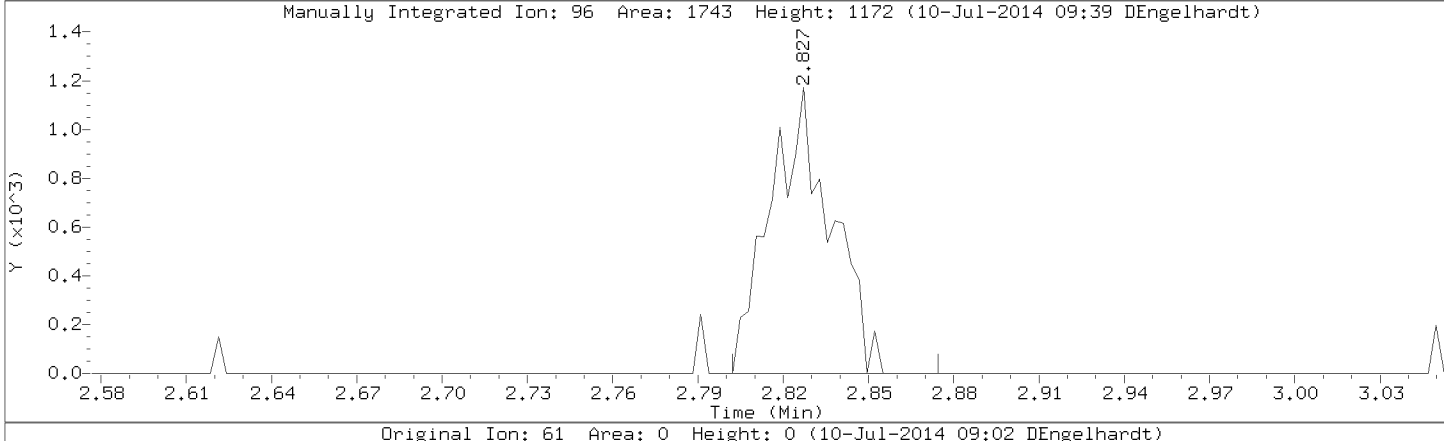
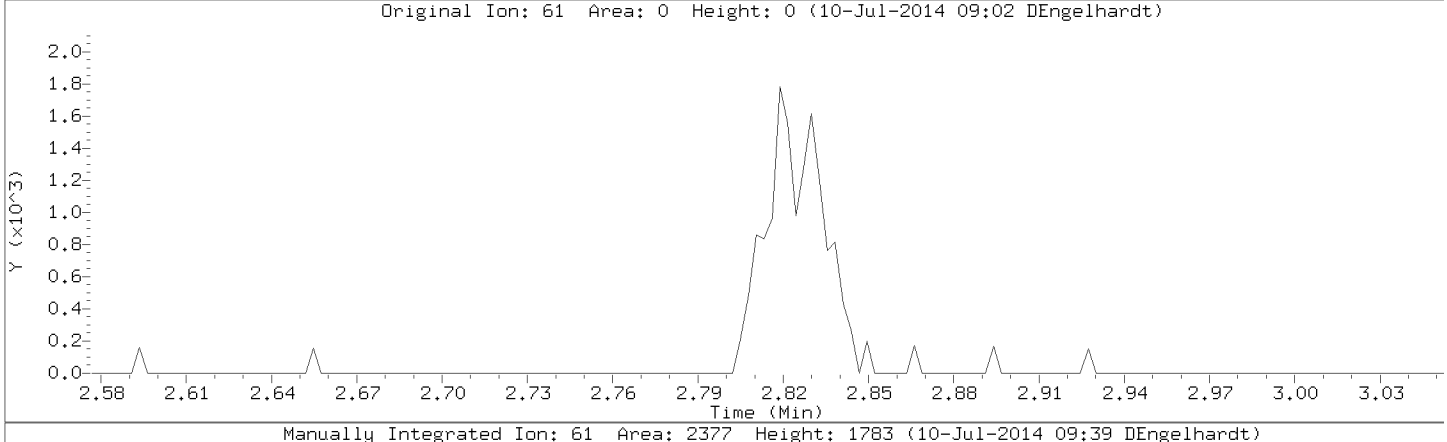
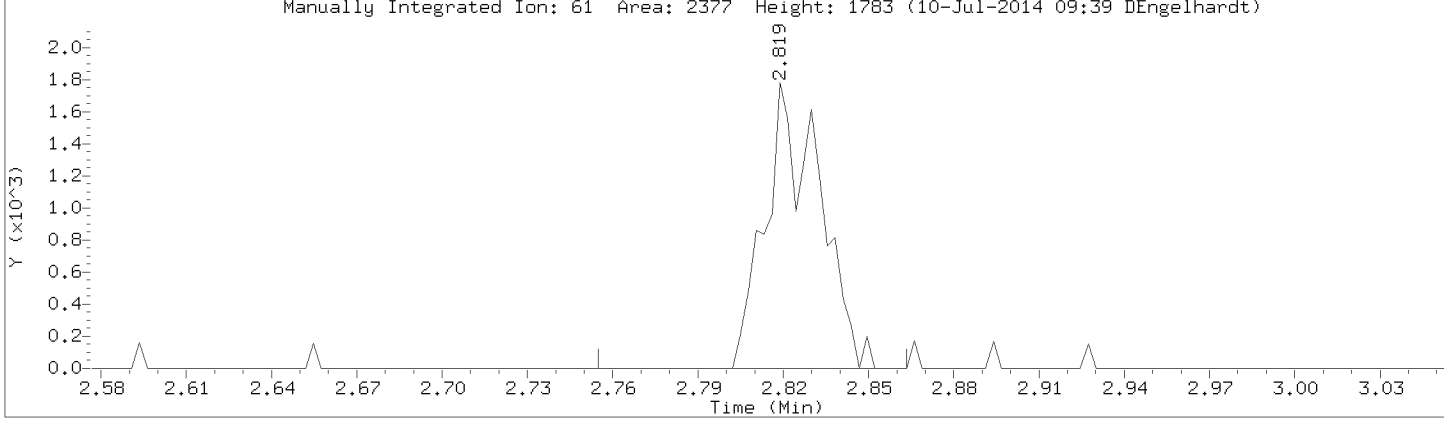
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dichloroethene (cis)
CAS Number: 156-59-2









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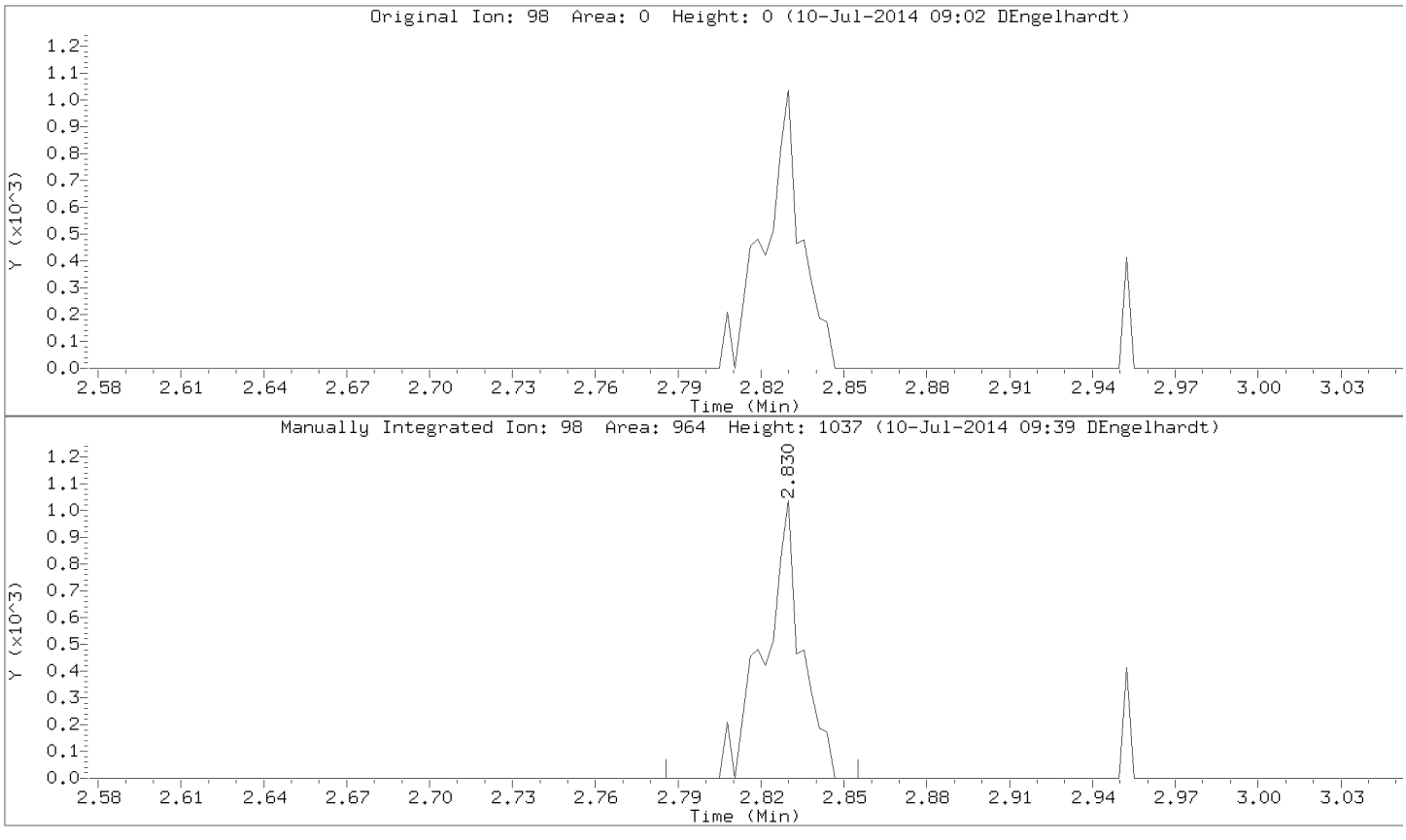

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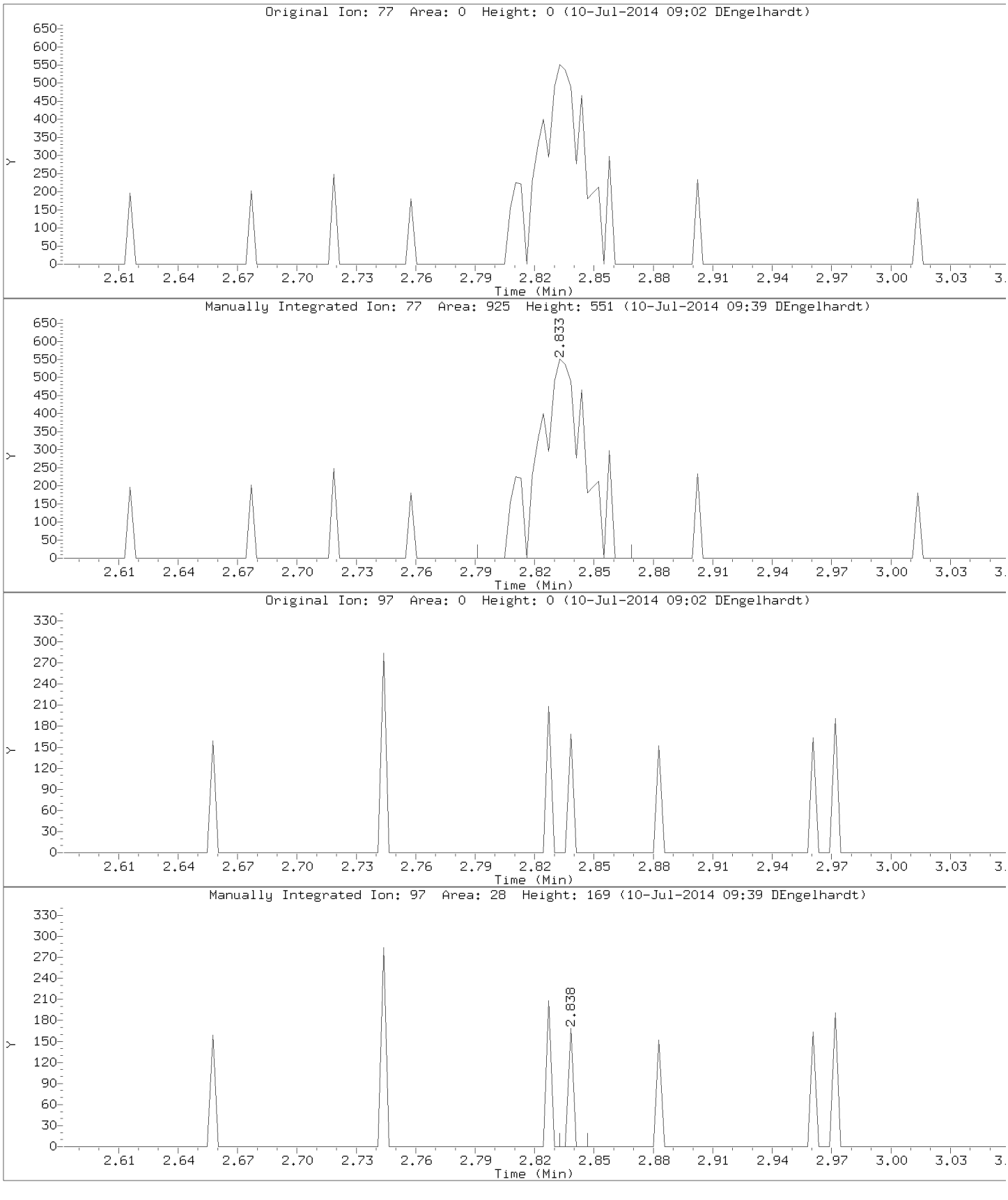
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7



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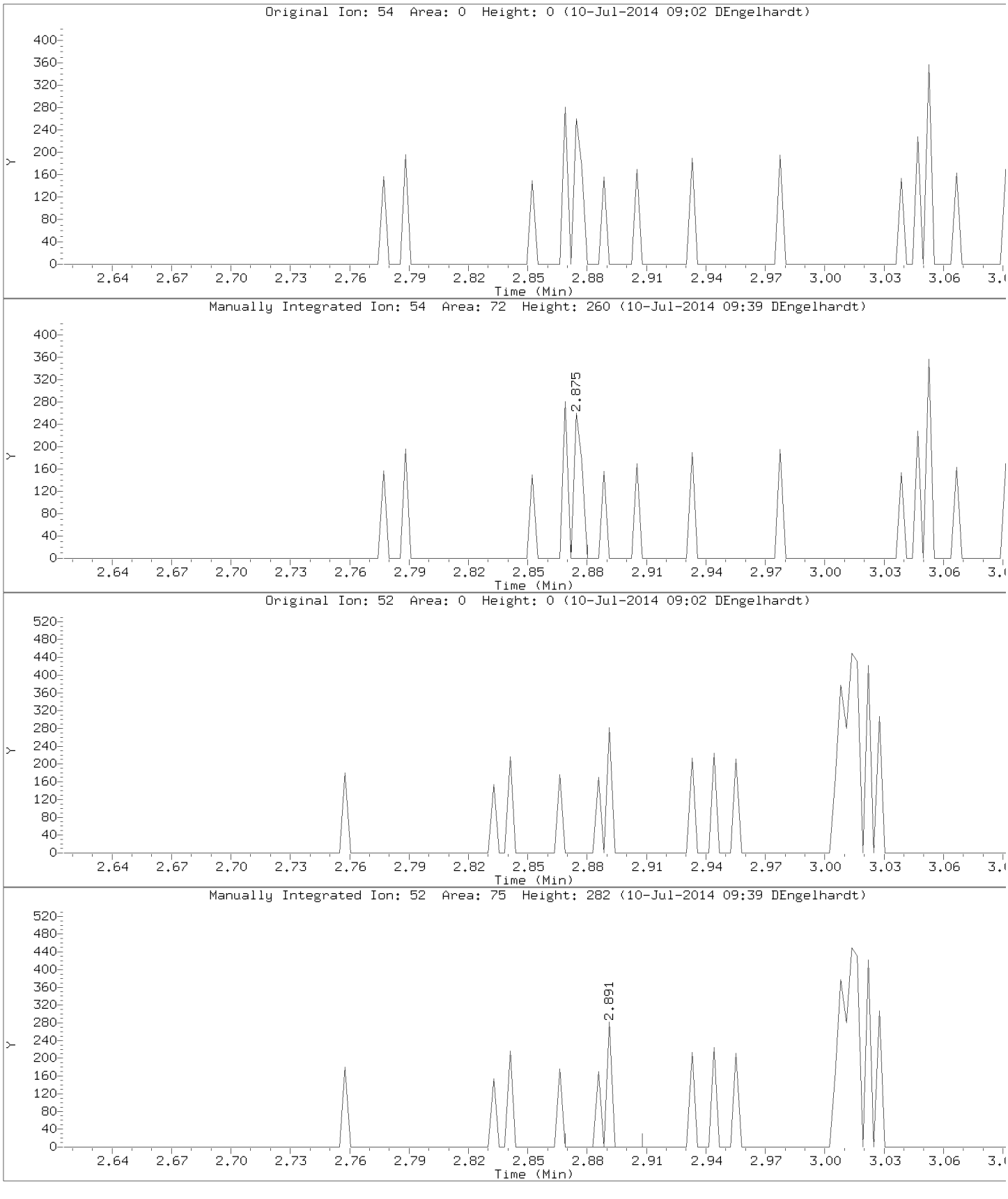
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Propionitrile
CAS Number: 107-12-0



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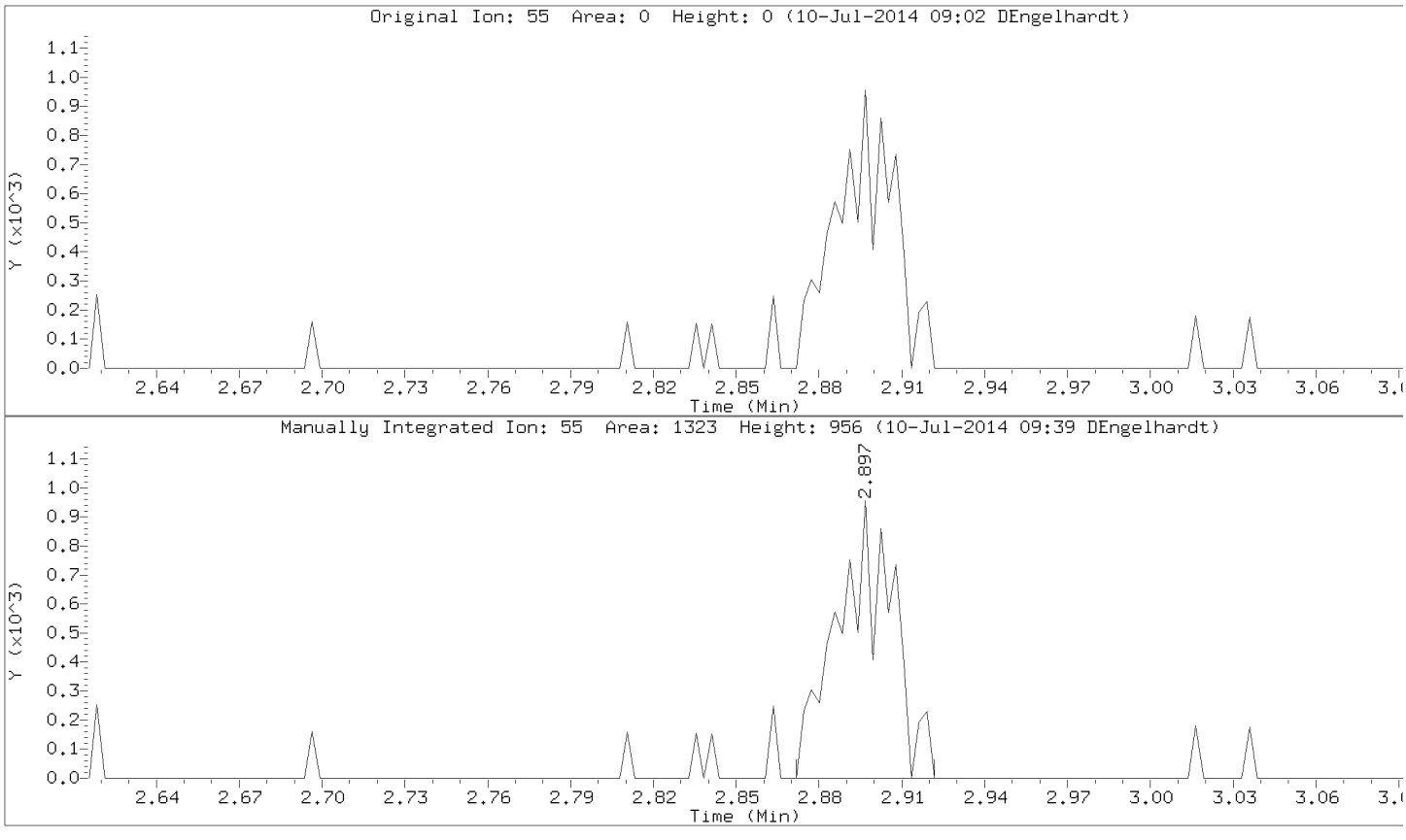
Lab Sample ID: 8260-CAL1,72087:0



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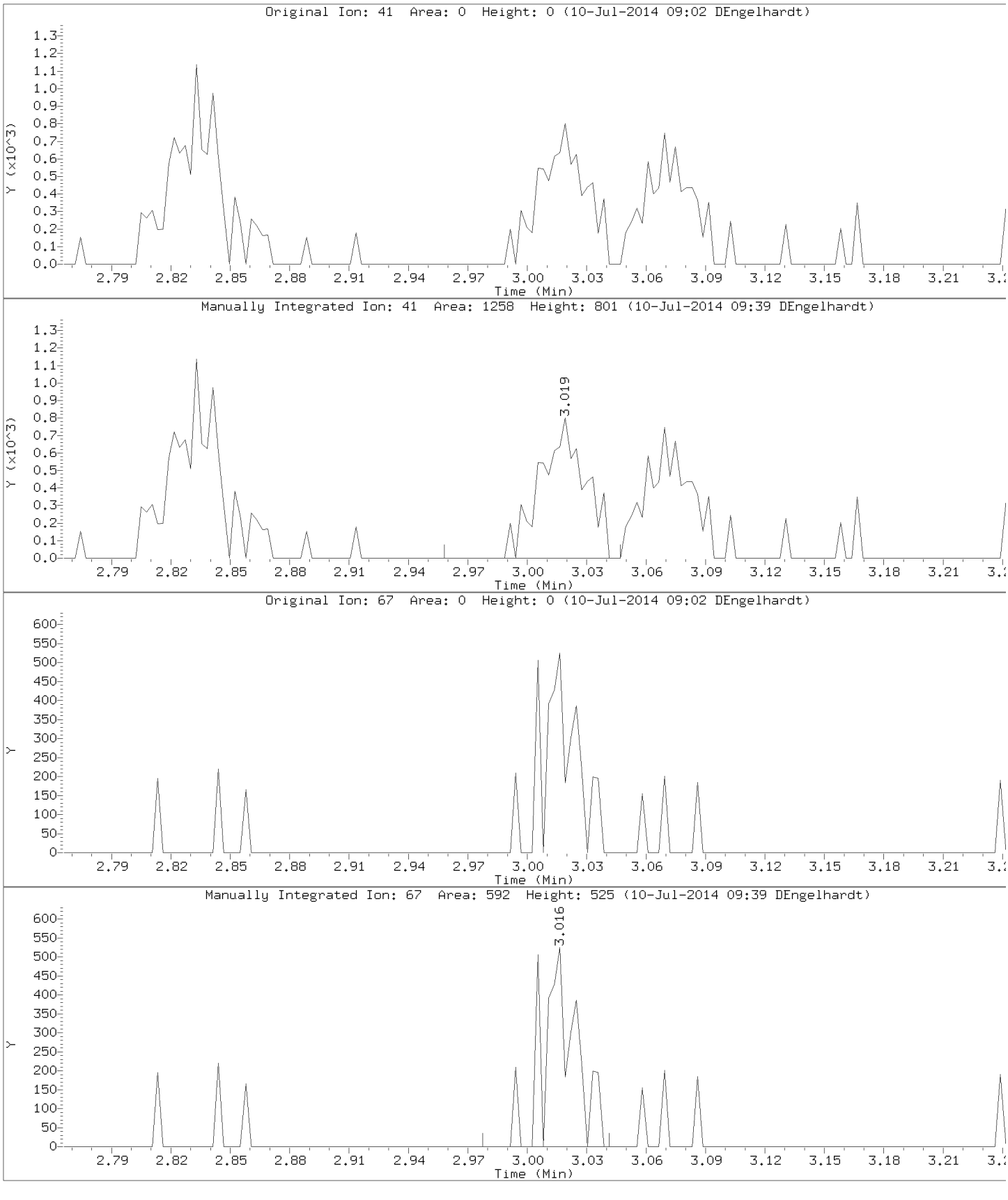
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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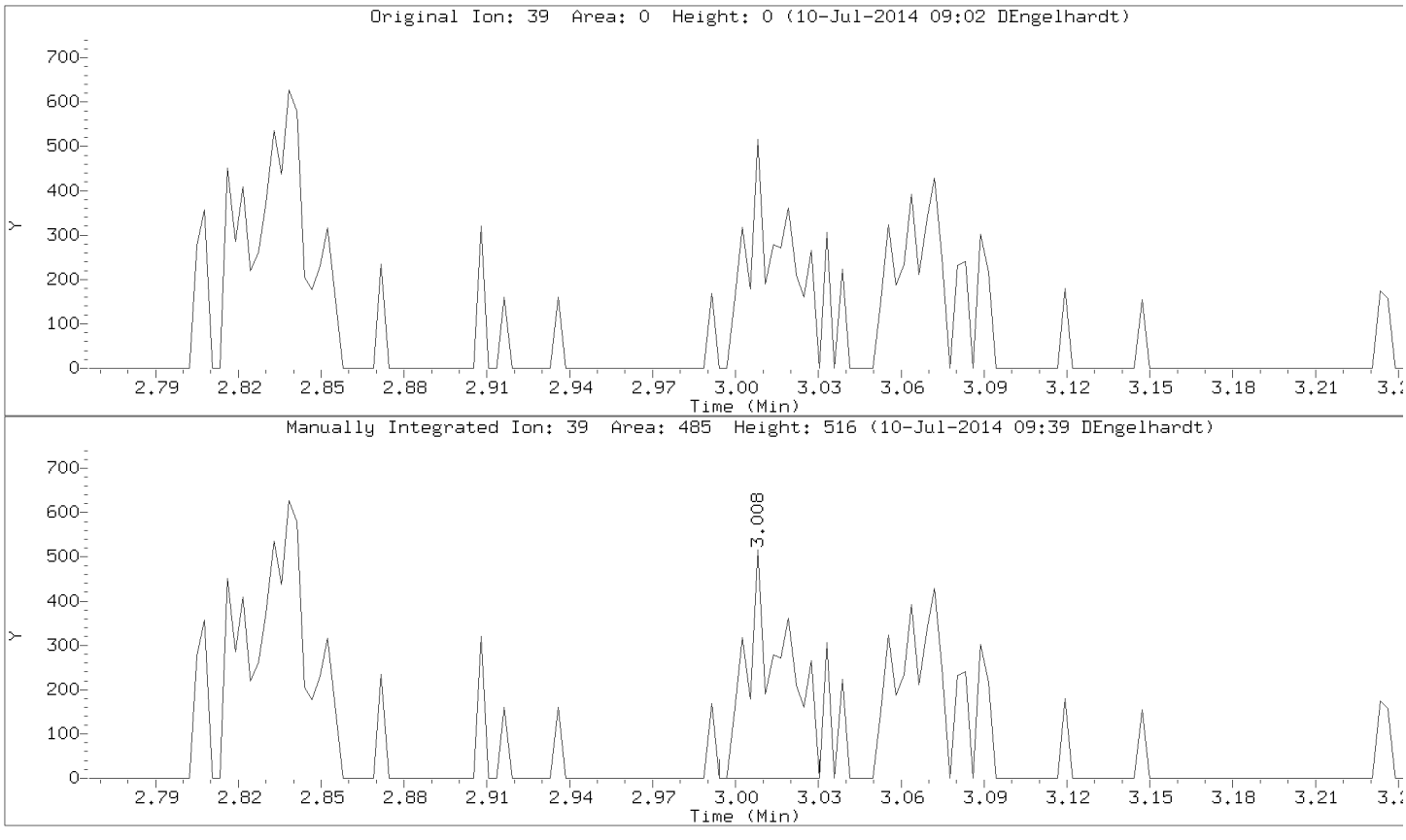

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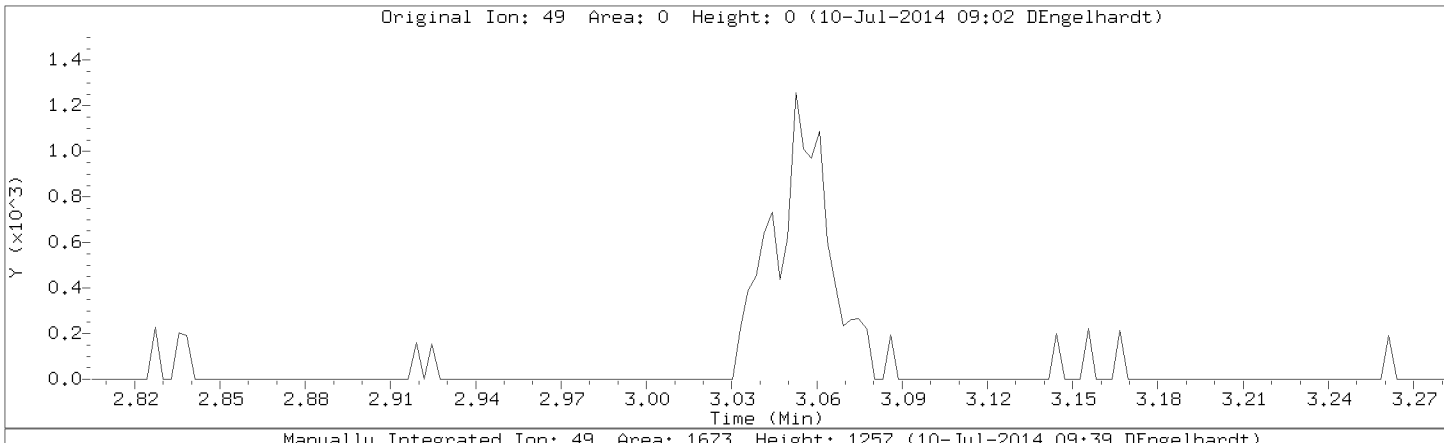
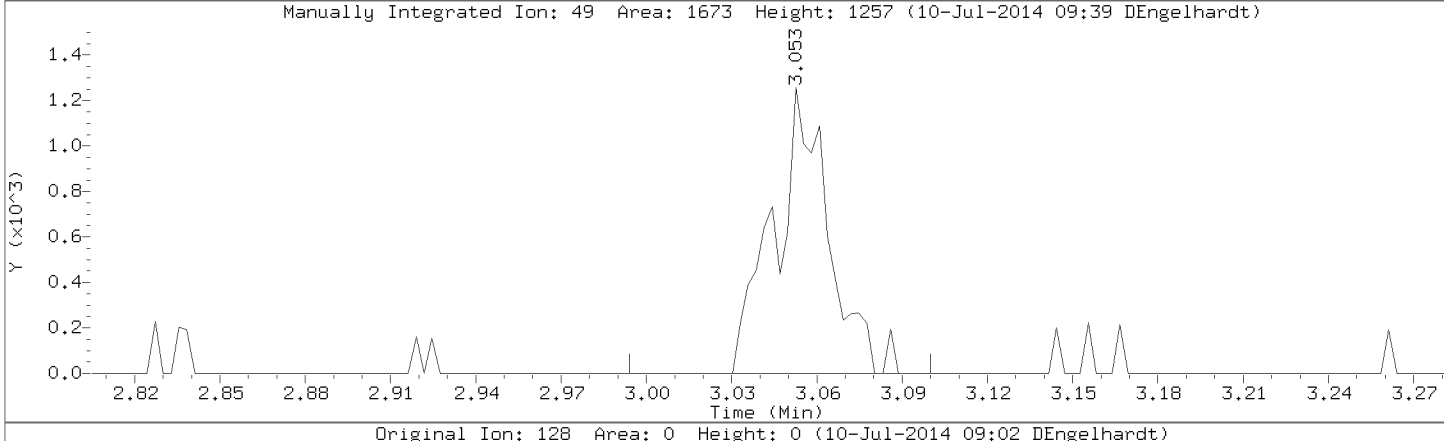
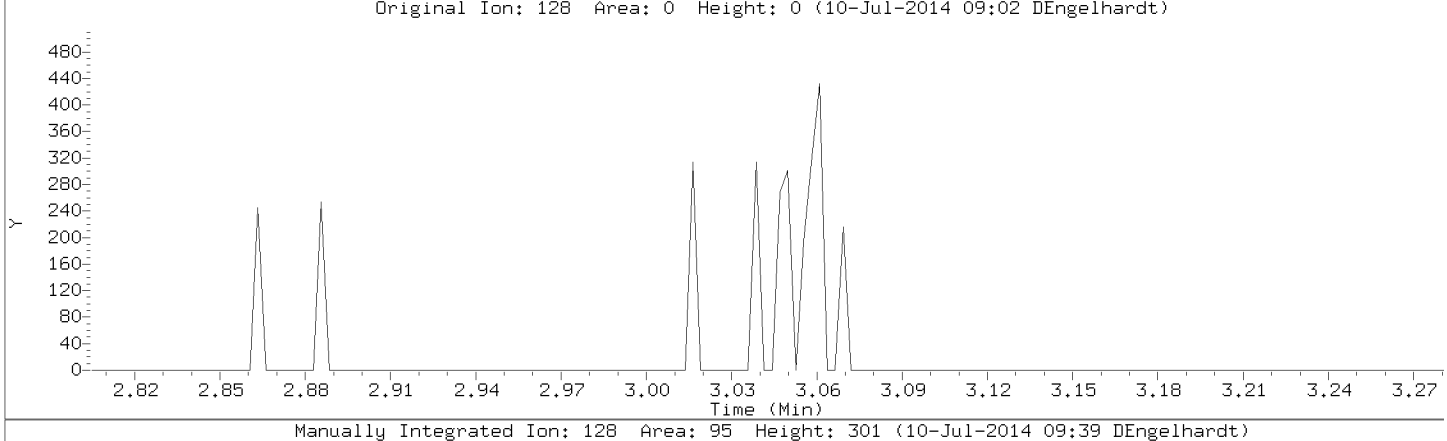
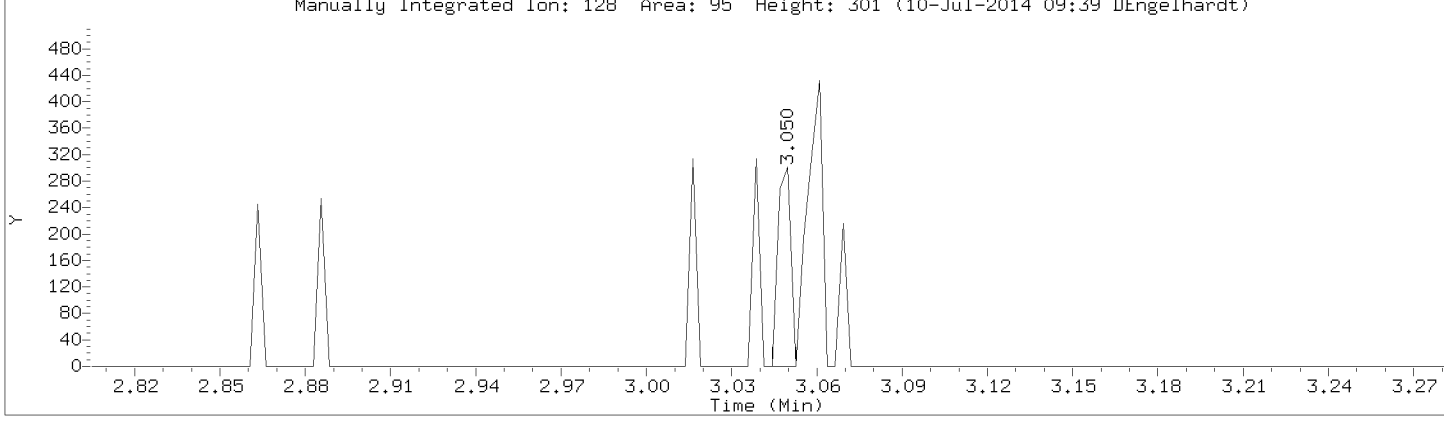
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Bromochloromethane
CAS Number: 74-97-5









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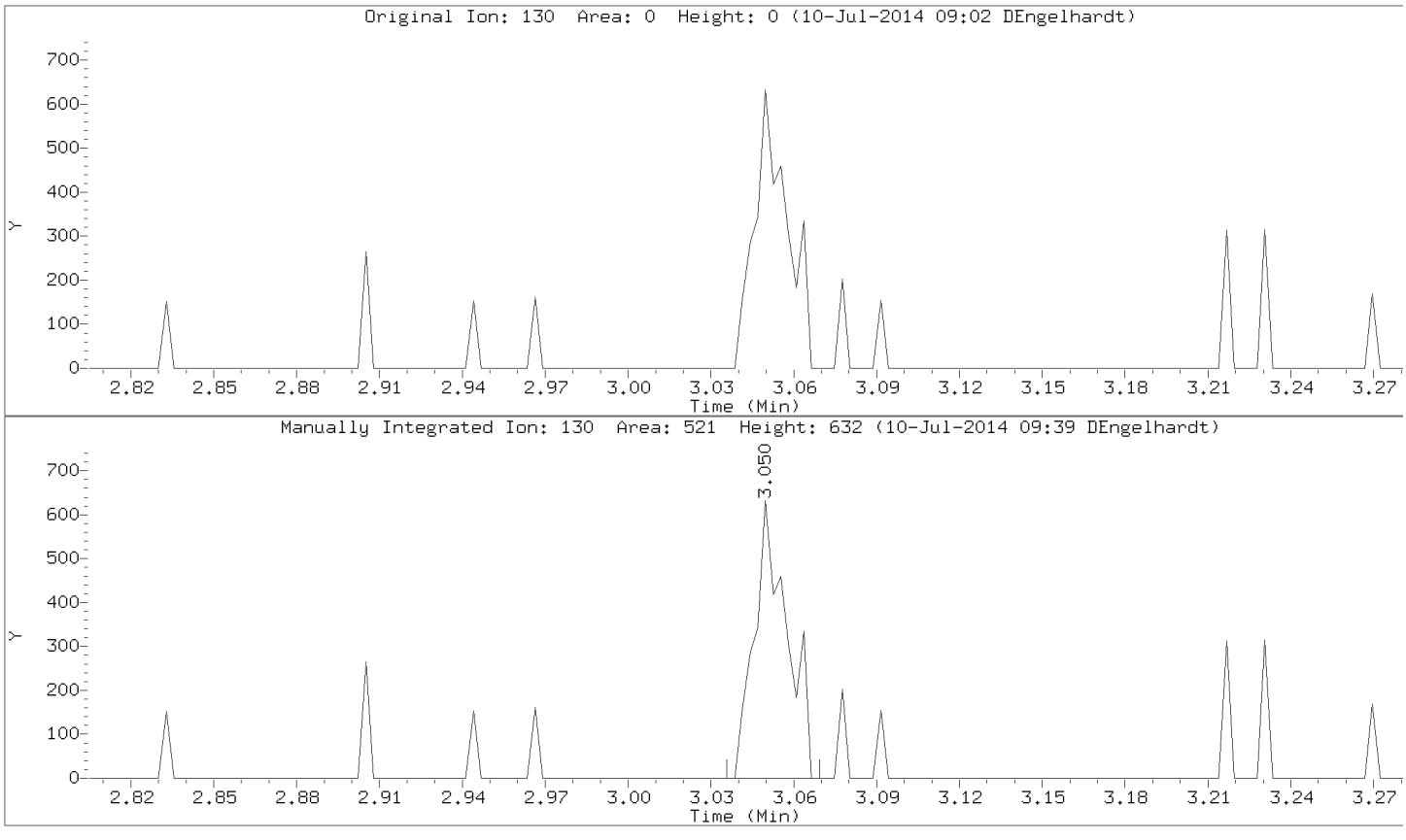

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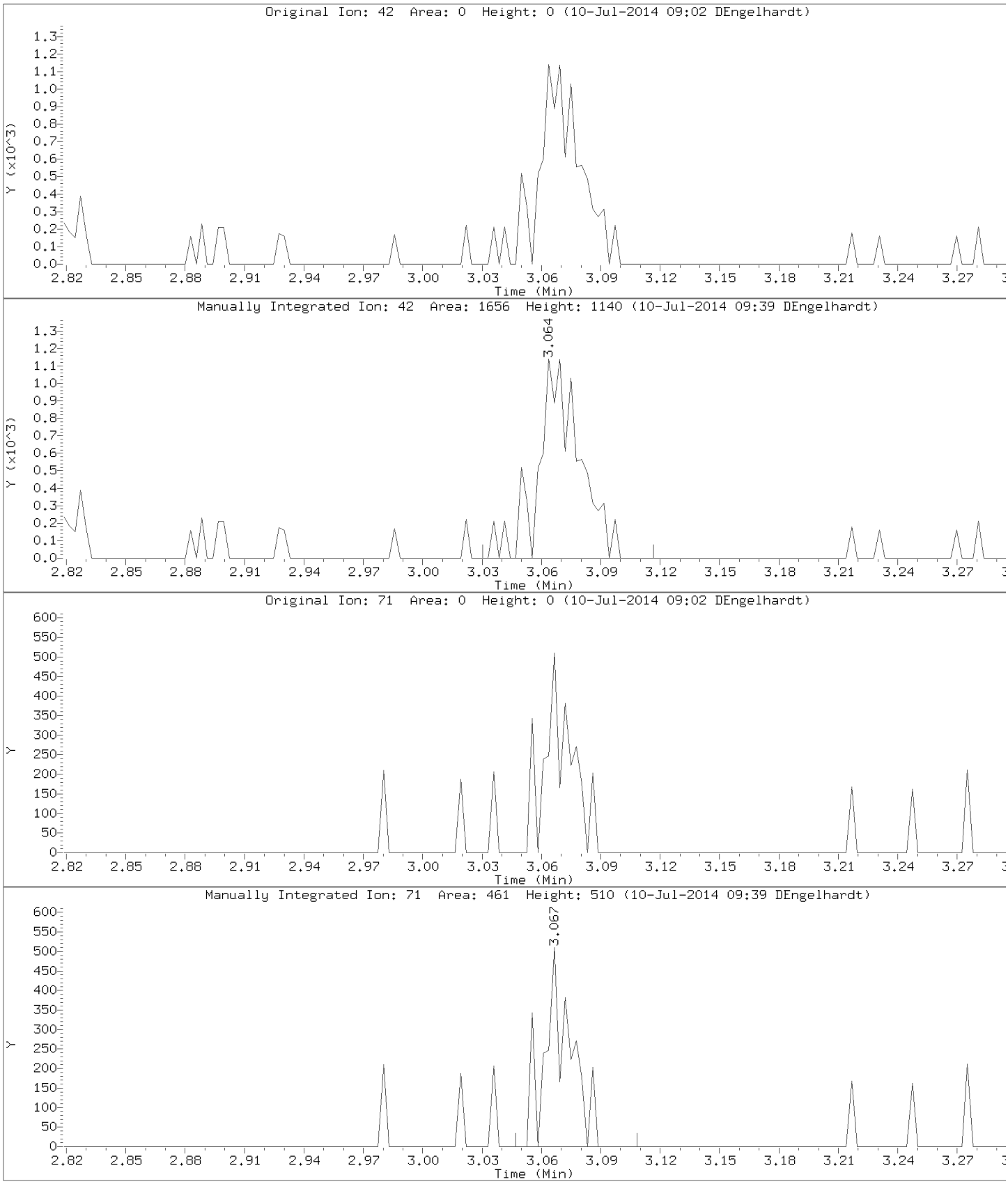
Lab Sample ID: 8260-CAL1,72087:0

Compound: Tetrahydrofuran
CAS Number:



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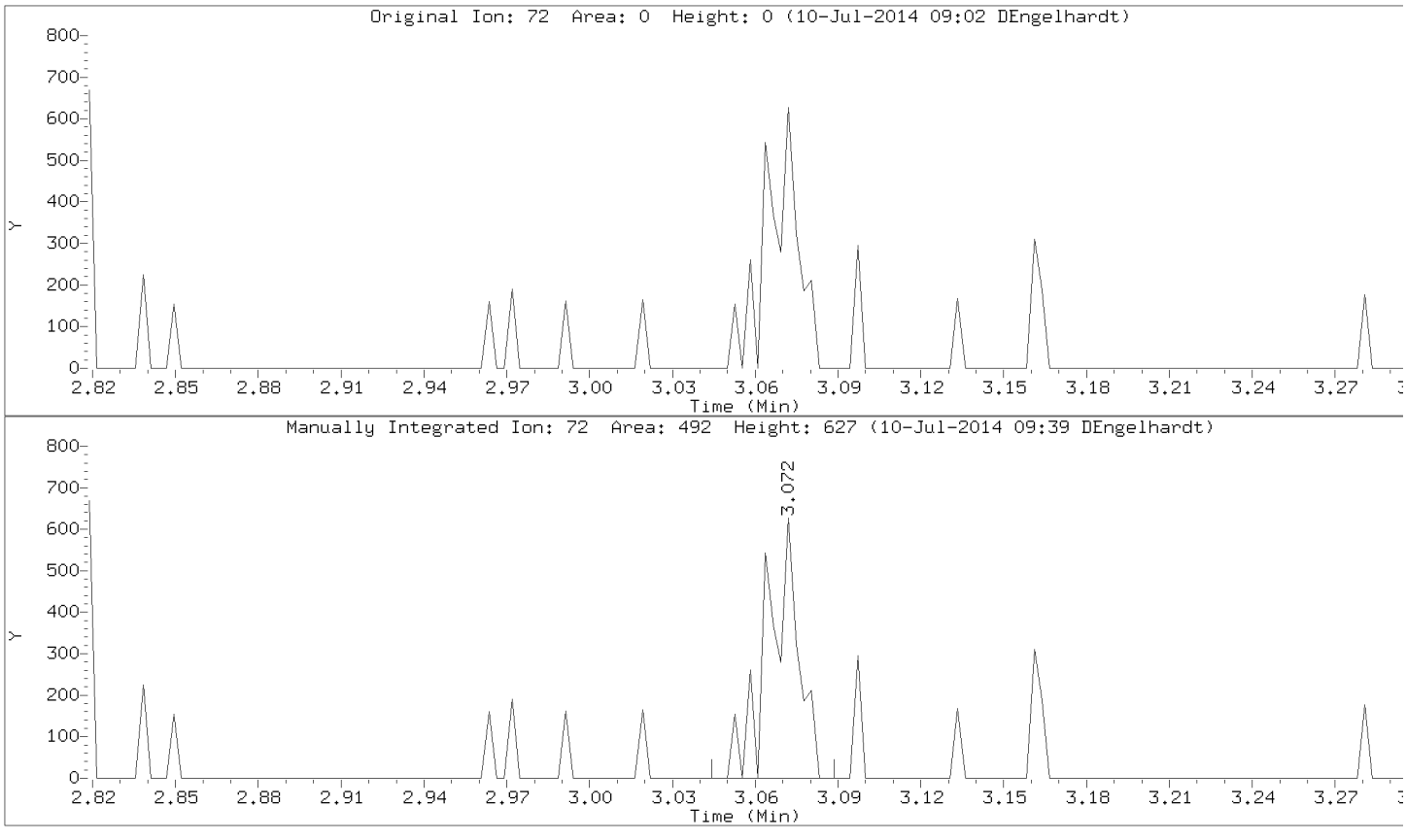
Lab Sample ID: 8260-CAL1,72087:0



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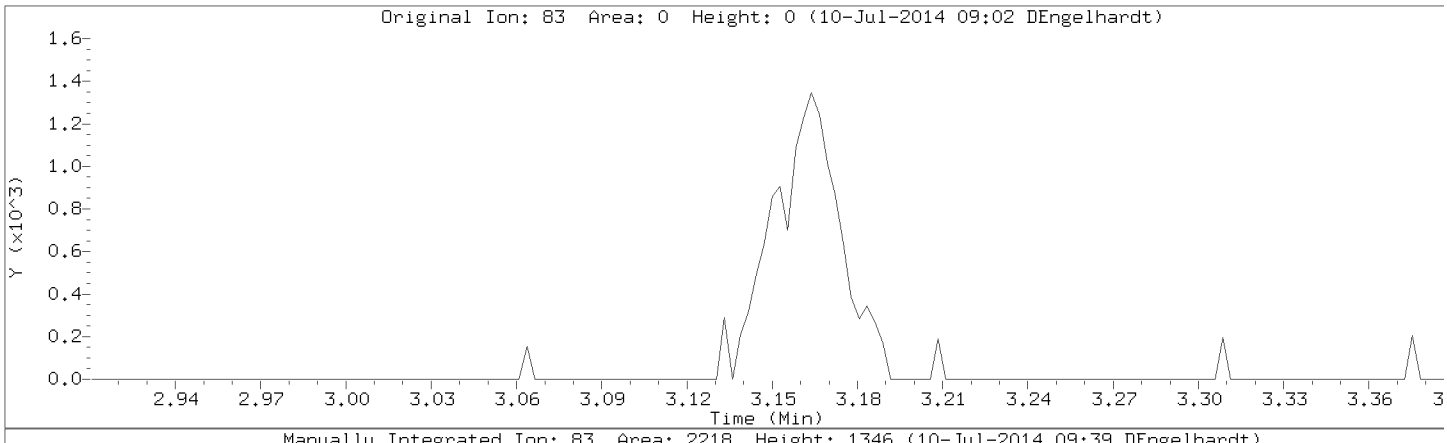
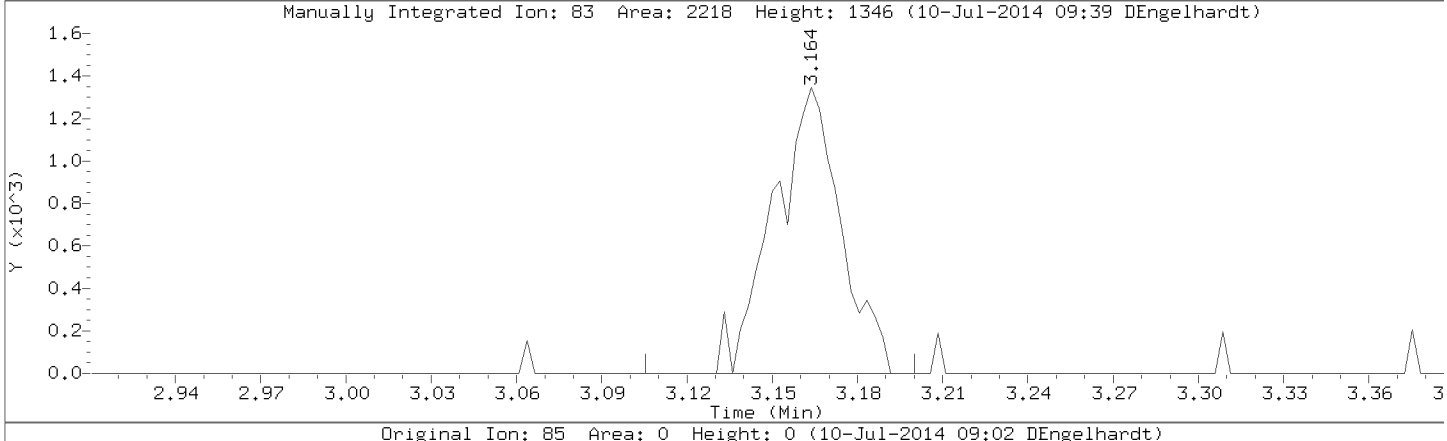
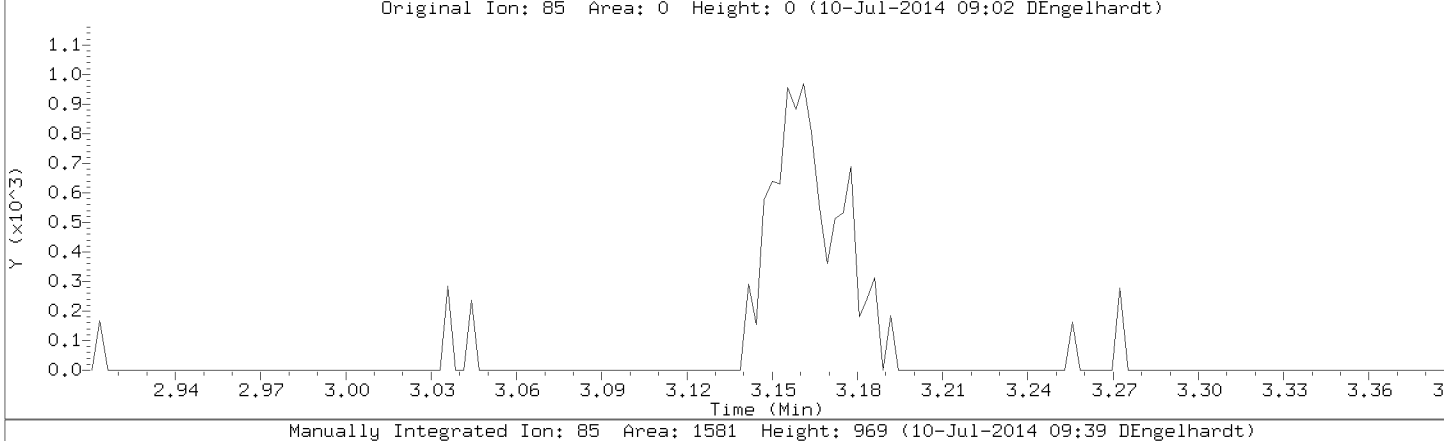
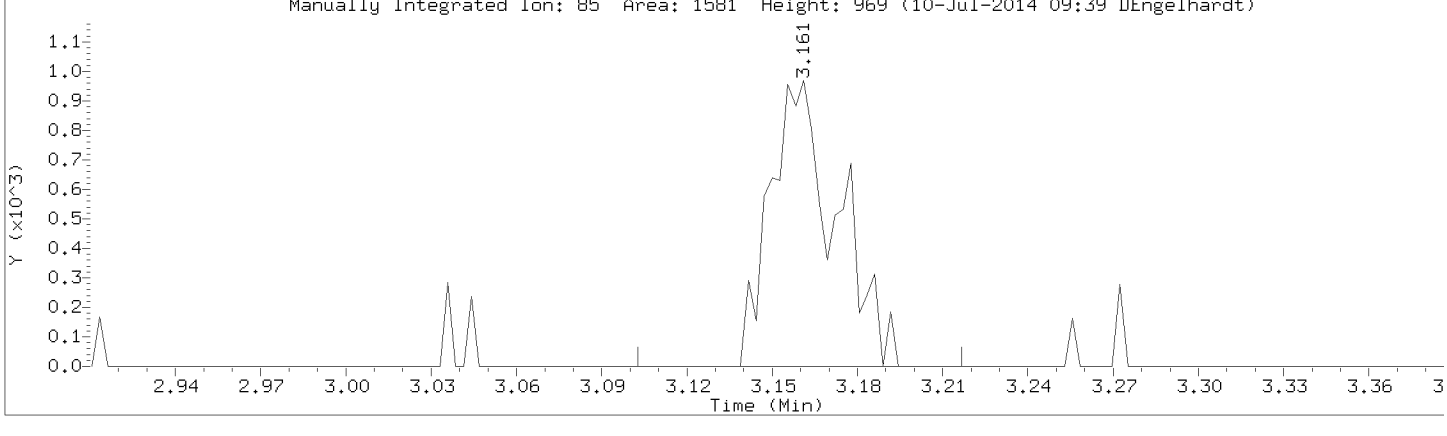
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Chloroform
CAS Number: 67-66-3









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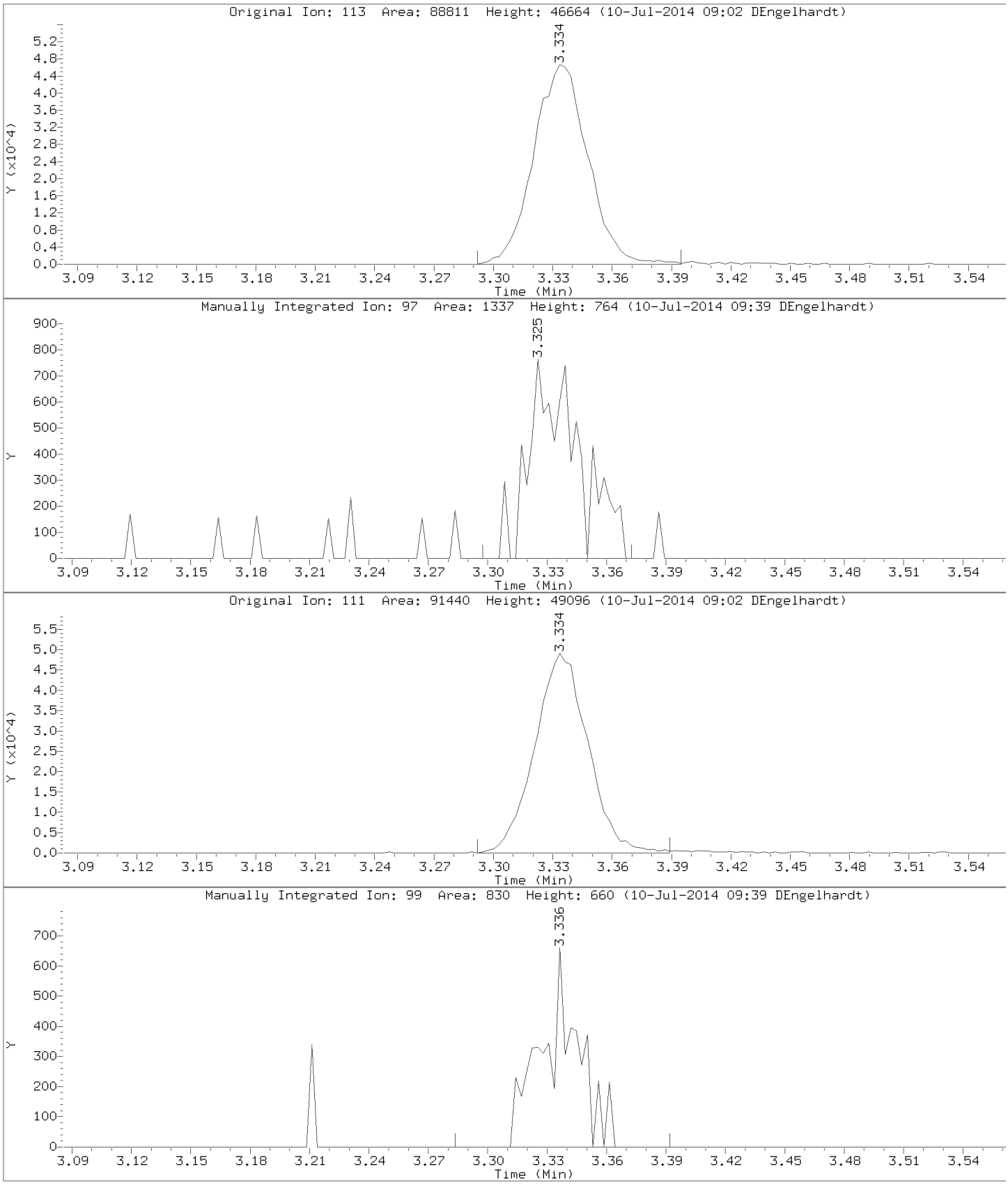
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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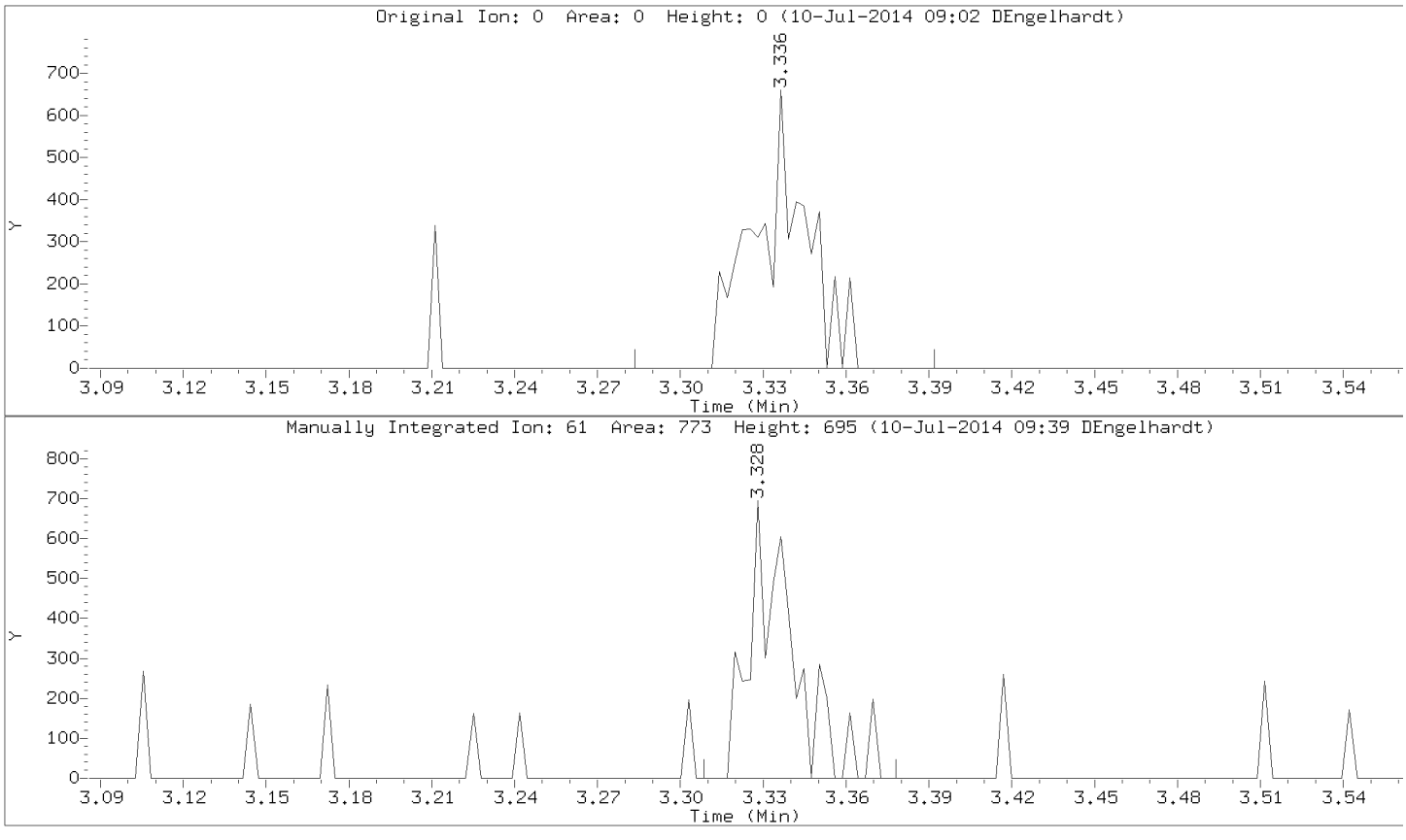

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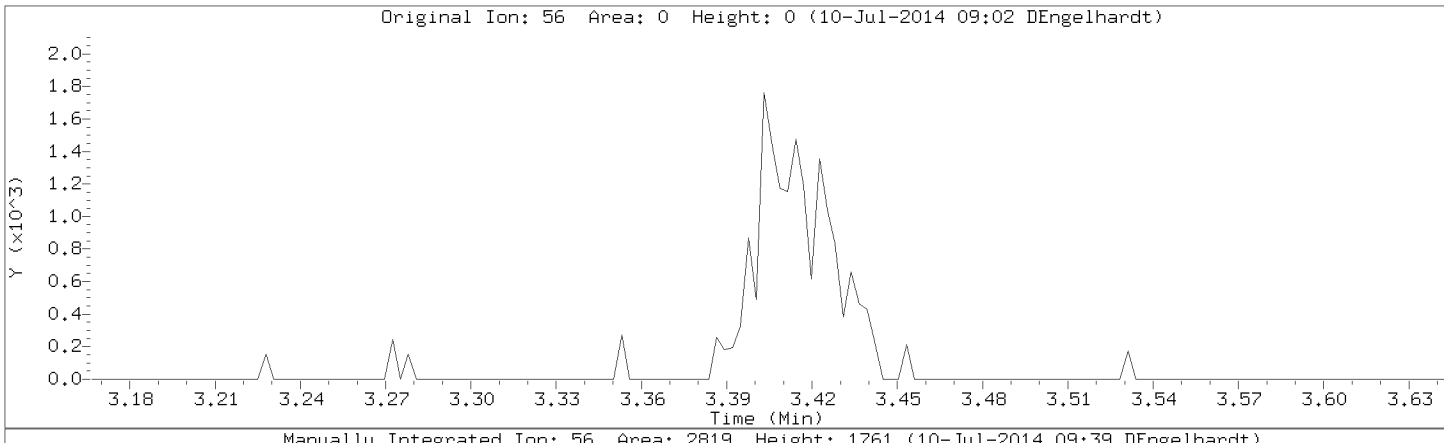
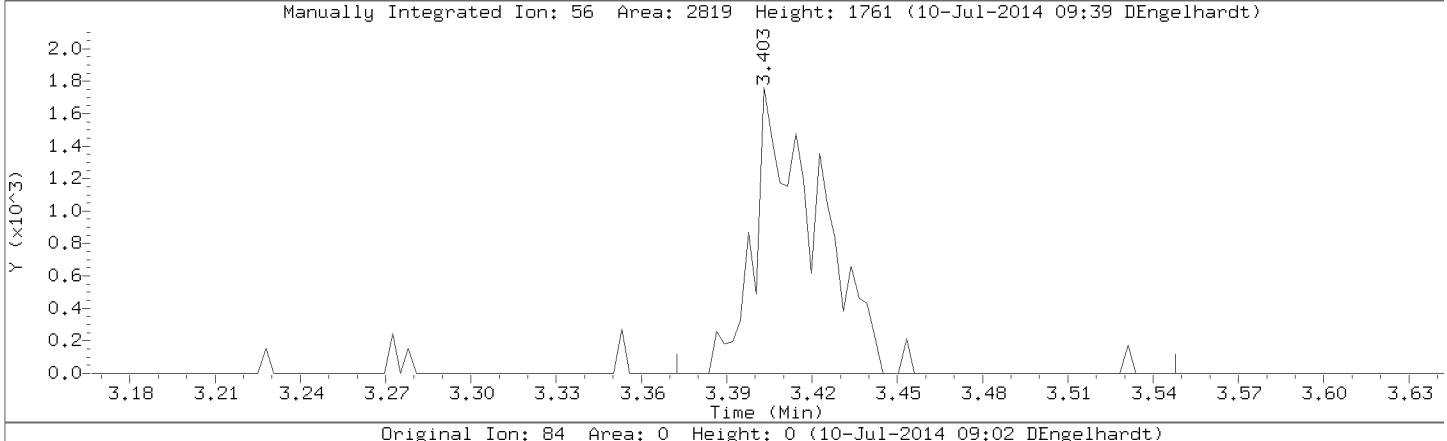
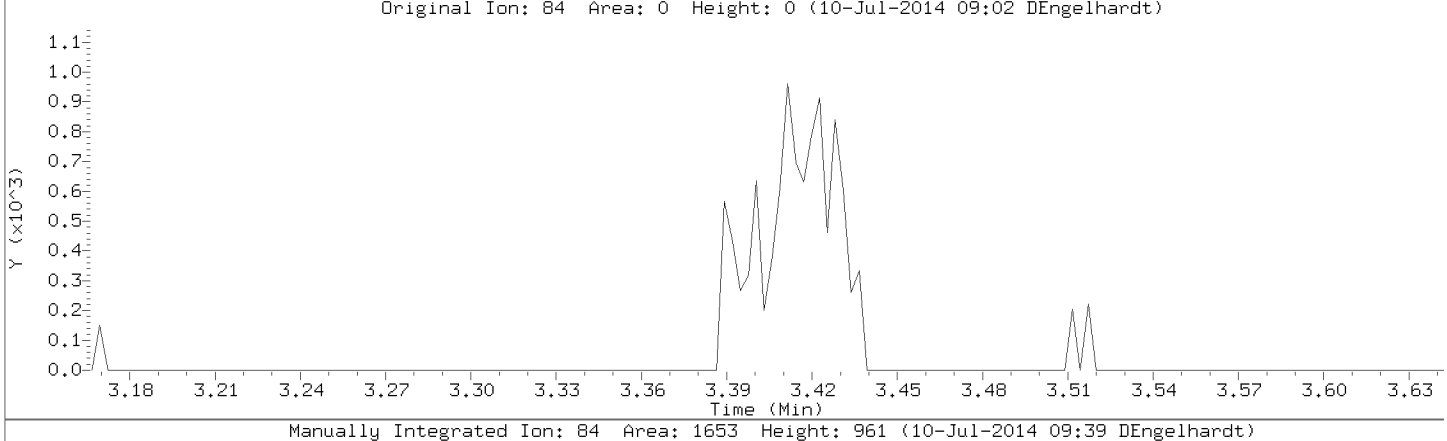
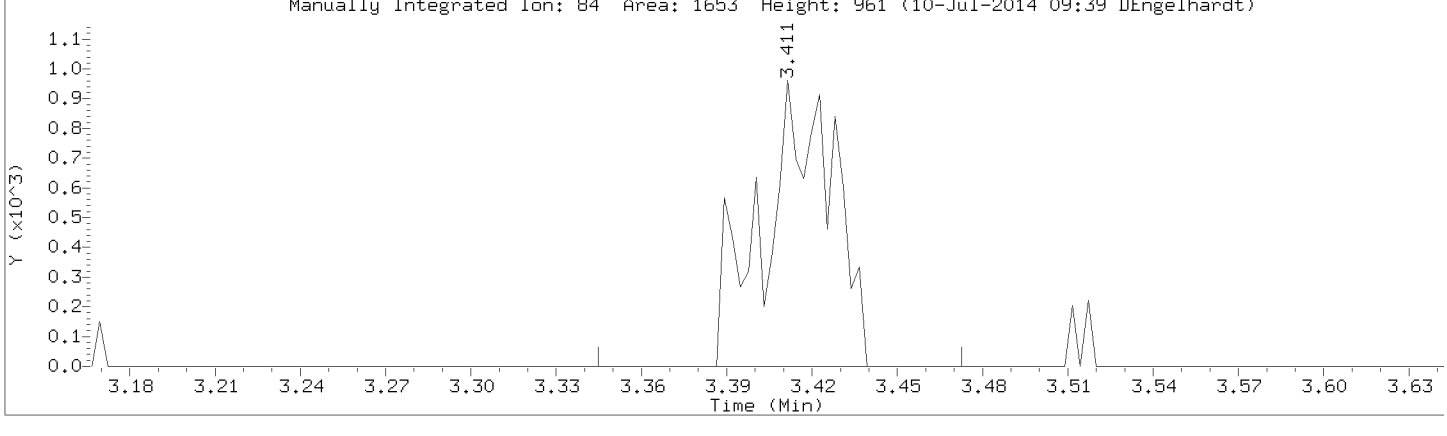
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: cyclohexane
CAS Number: 110-82-7









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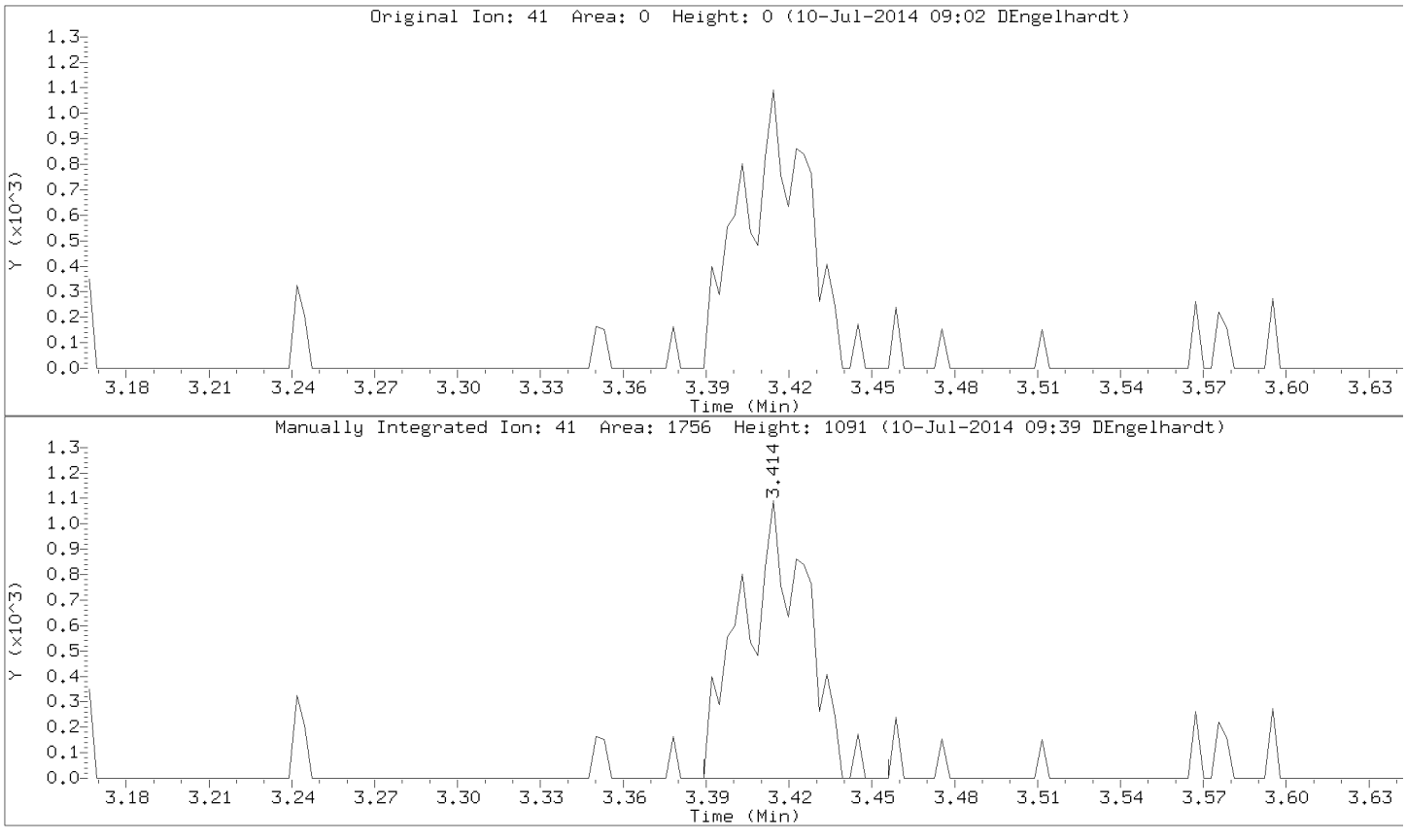
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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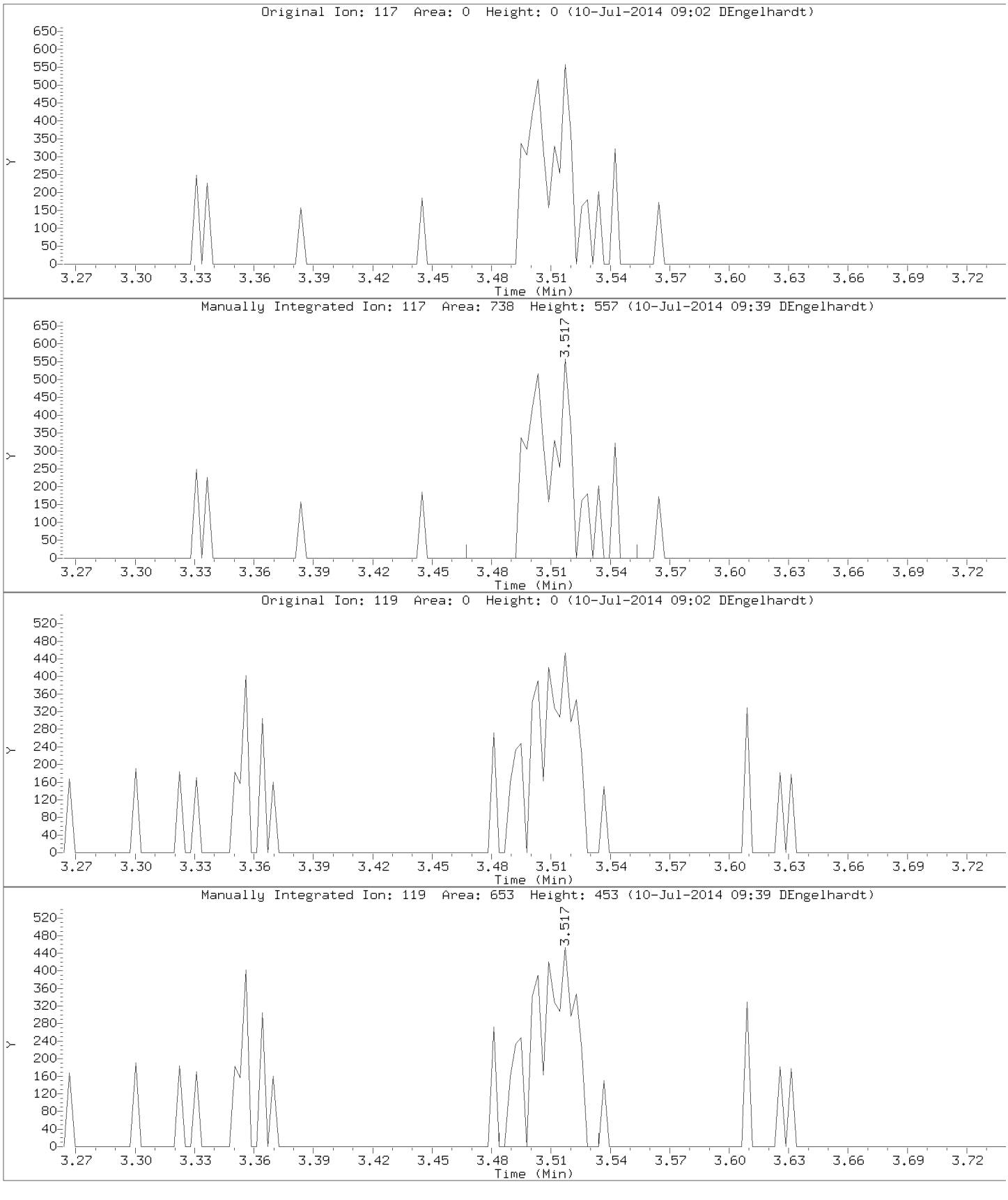
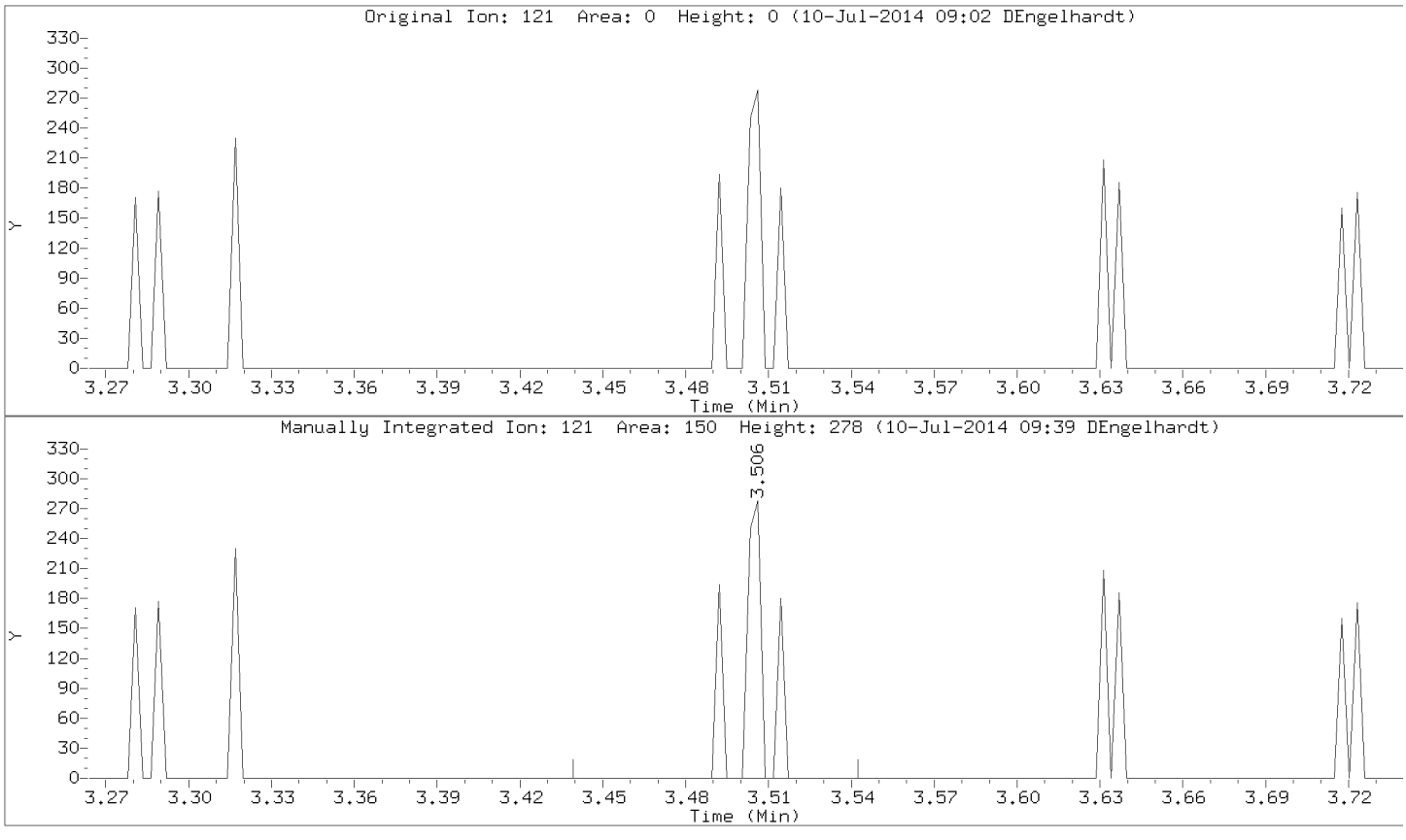
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5



Data File: \\192.168.50.6\chem\50mv2a.i\A070914.B/a06cal1.d
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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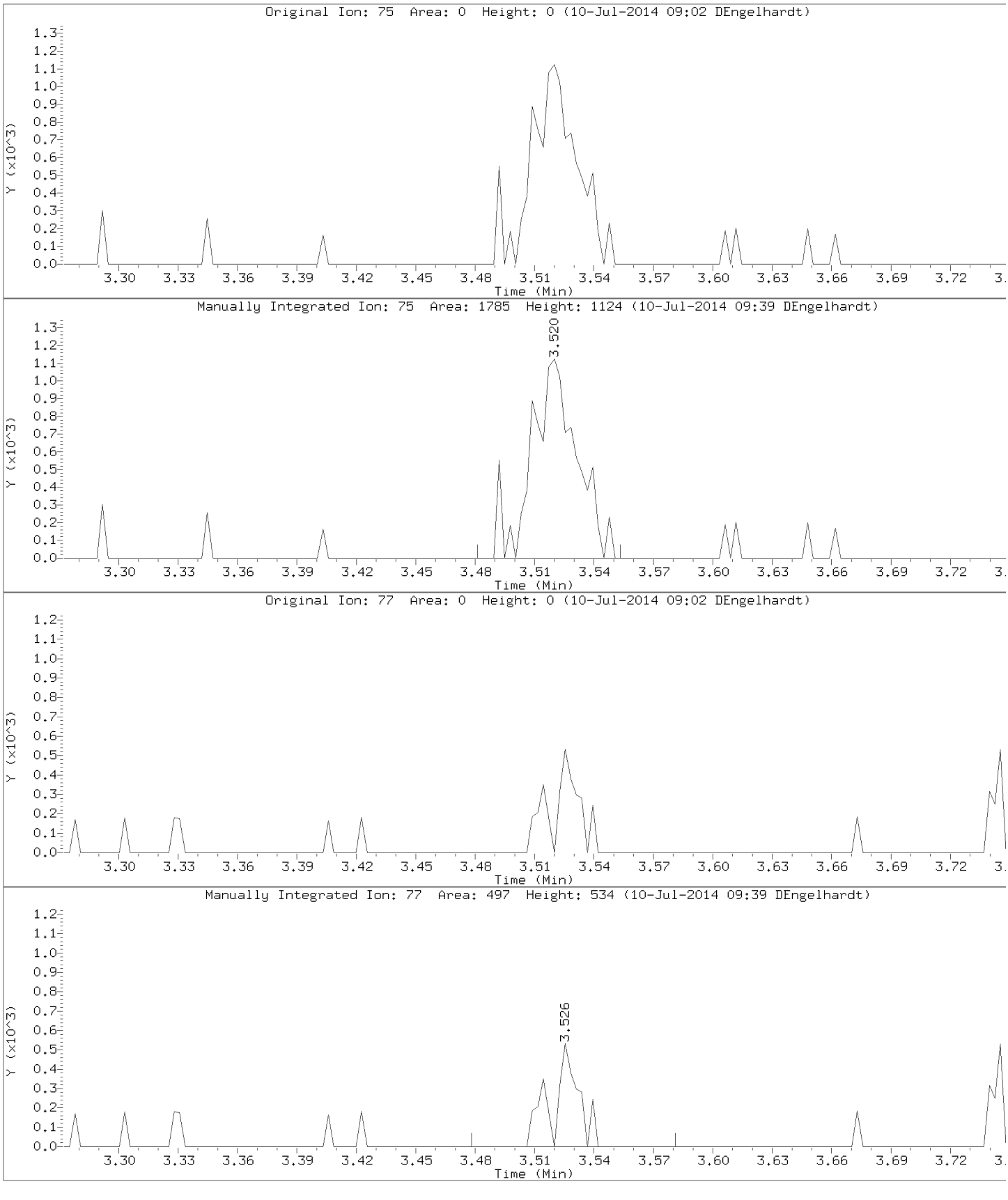
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6



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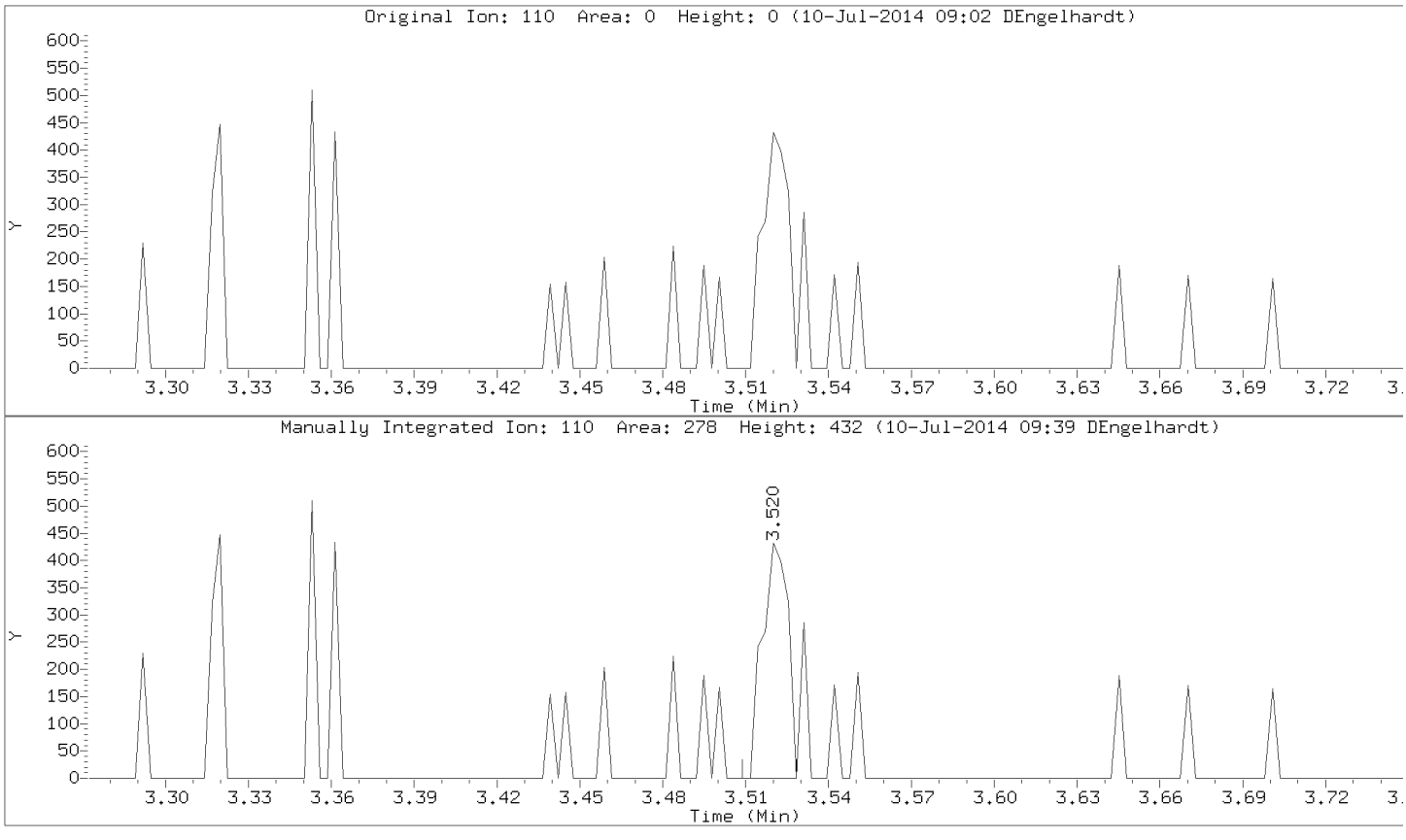
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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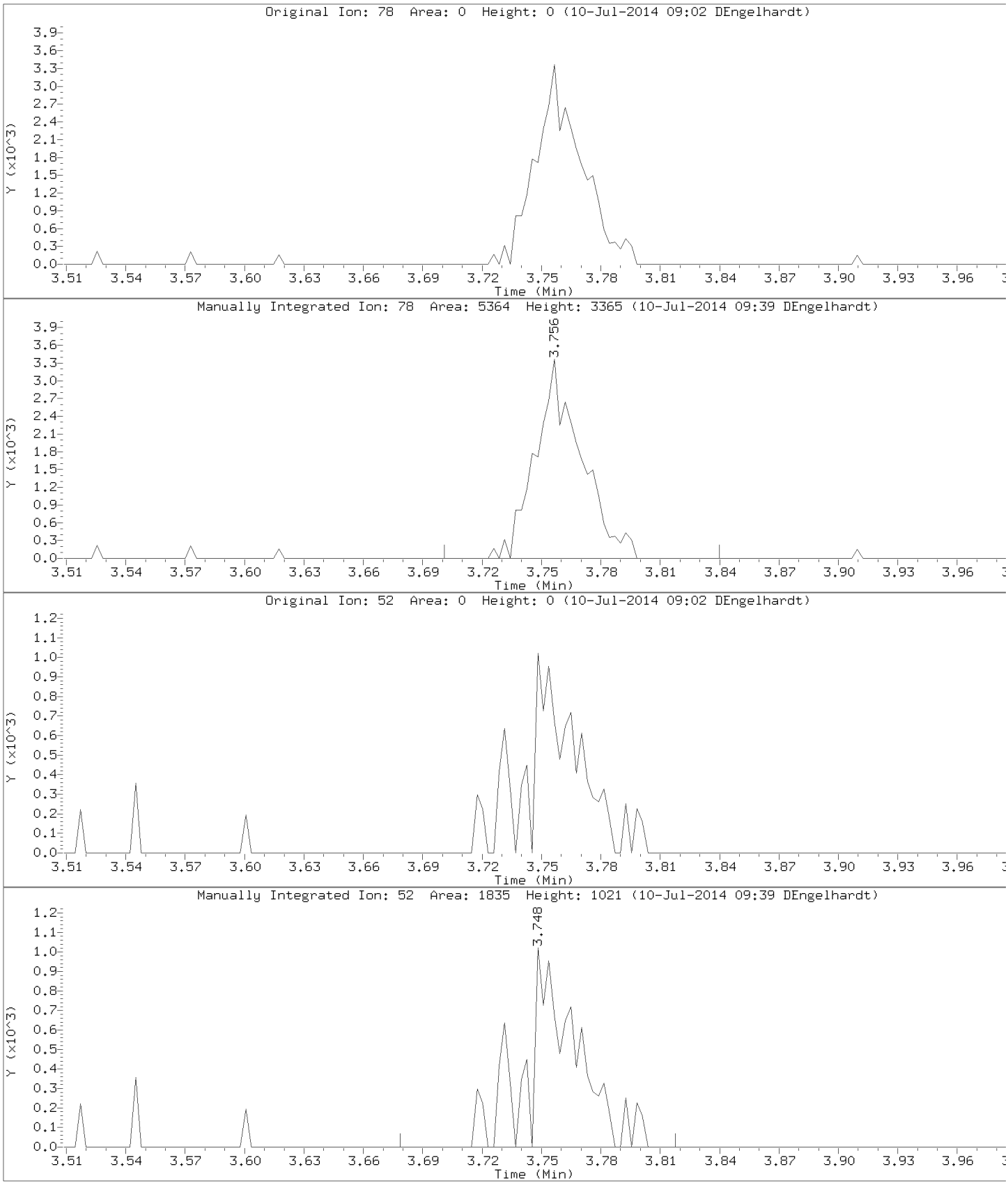
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Benzene
CAS Number: 71-43-2



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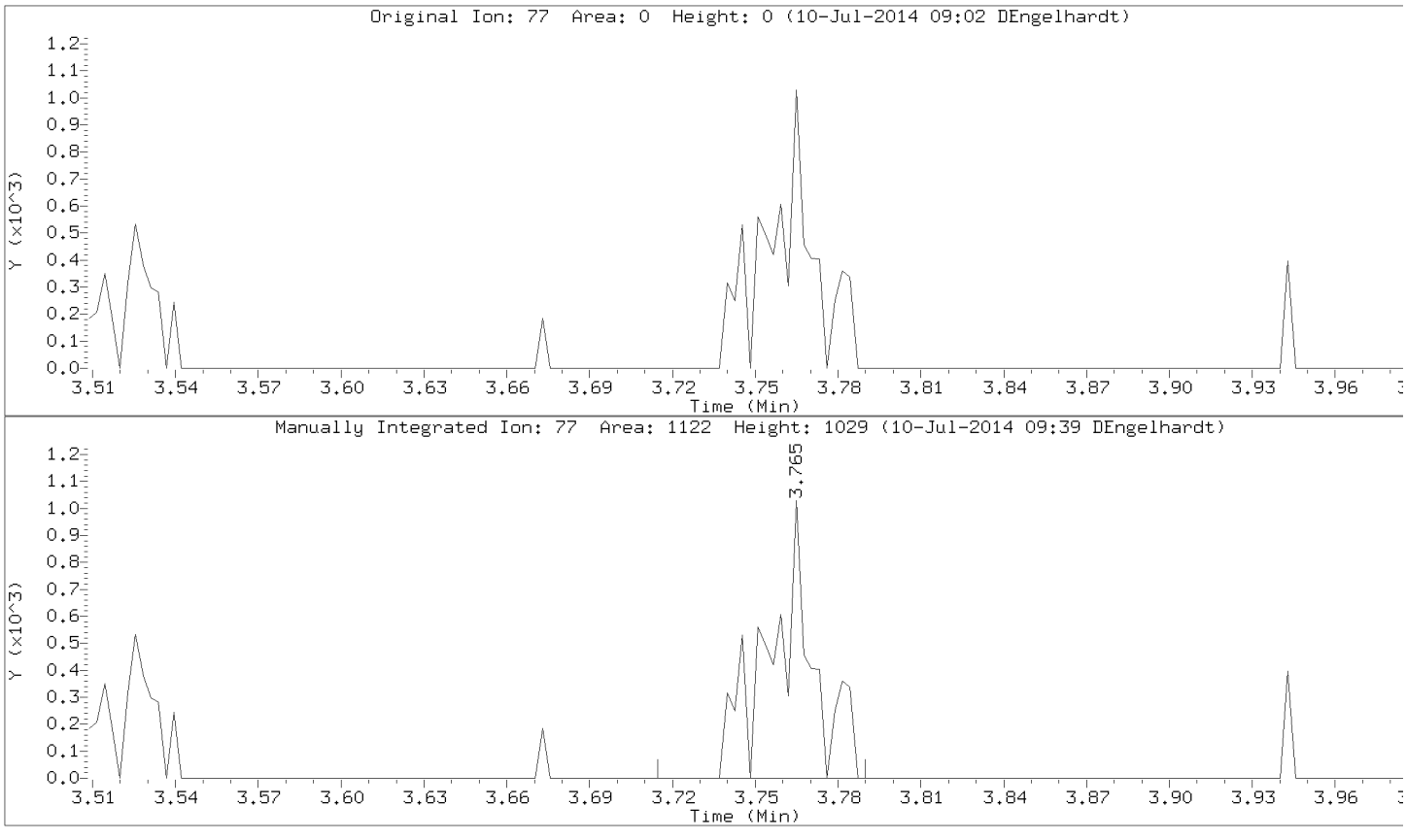
Lab Sample ID: 8260-CAL1,72087:0



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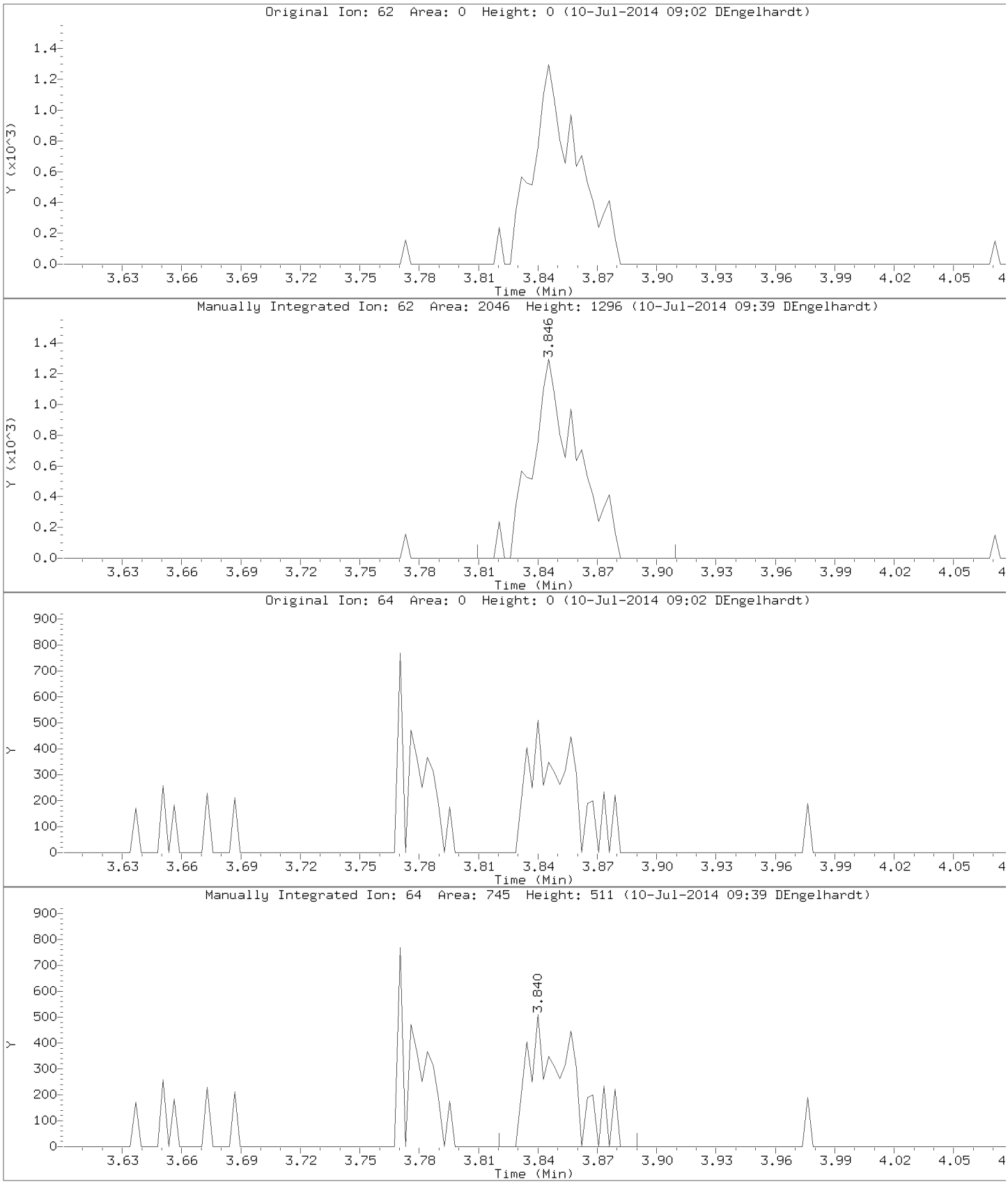
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



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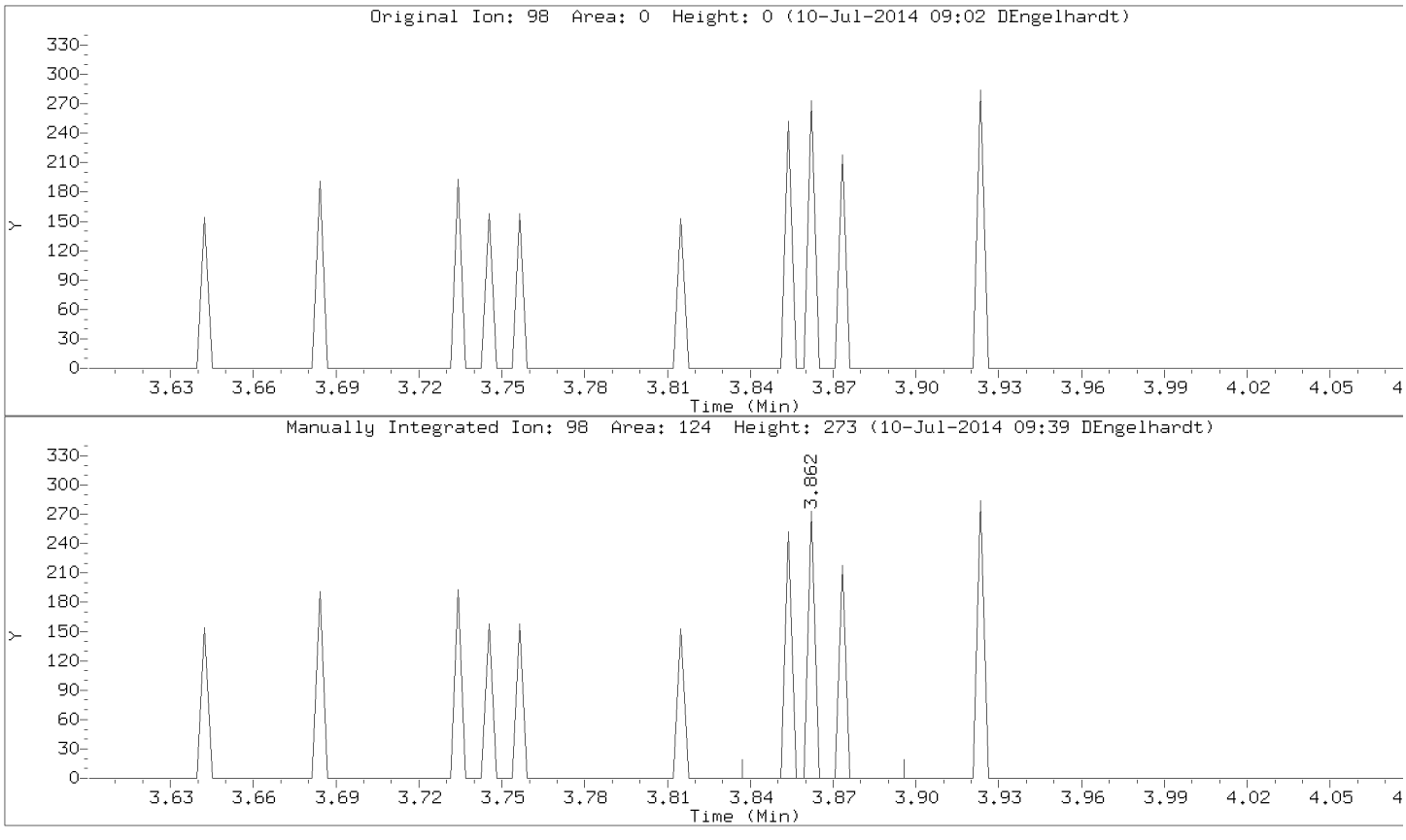
Lab Sample ID: 8260-CAL1,72087:0



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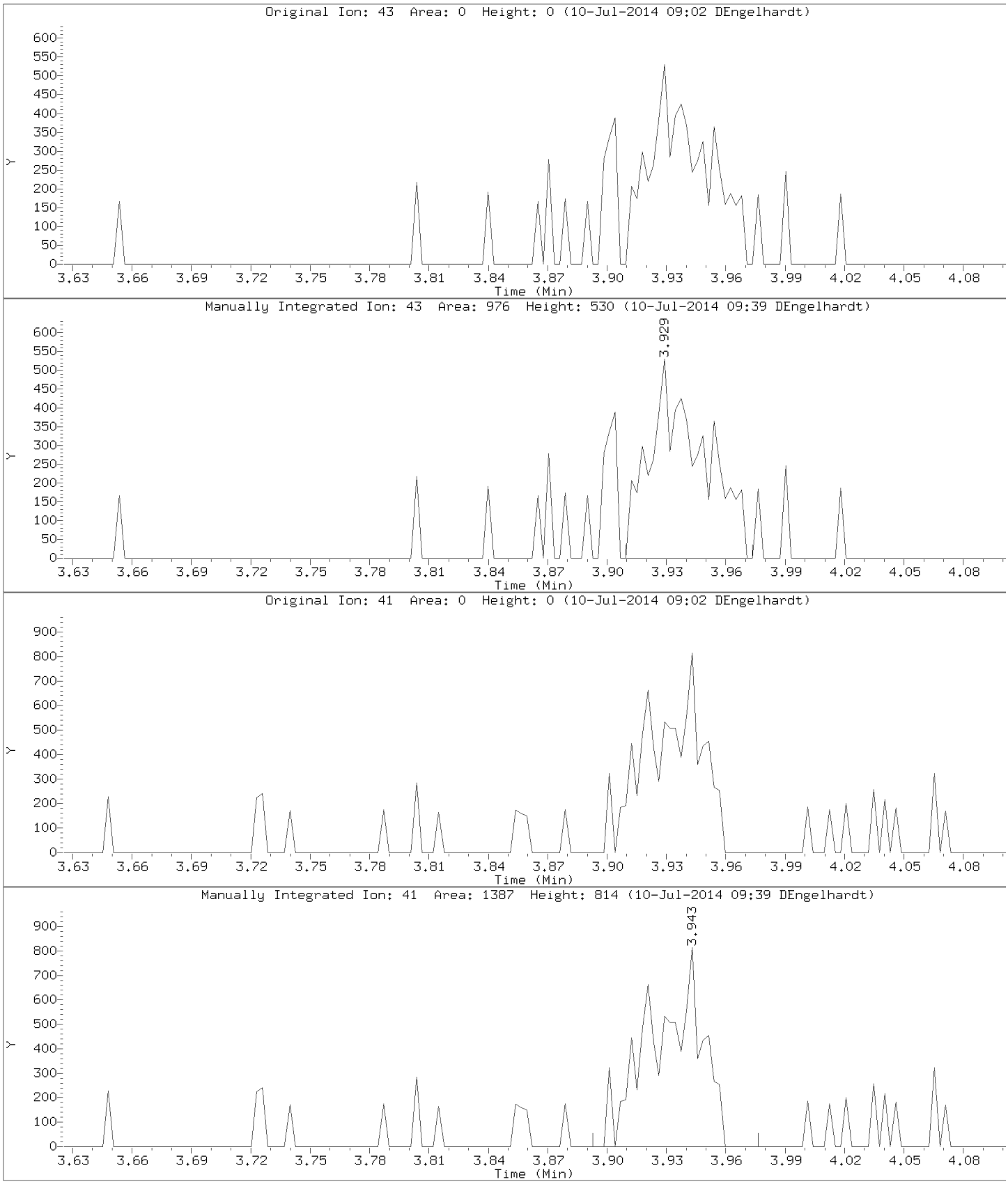
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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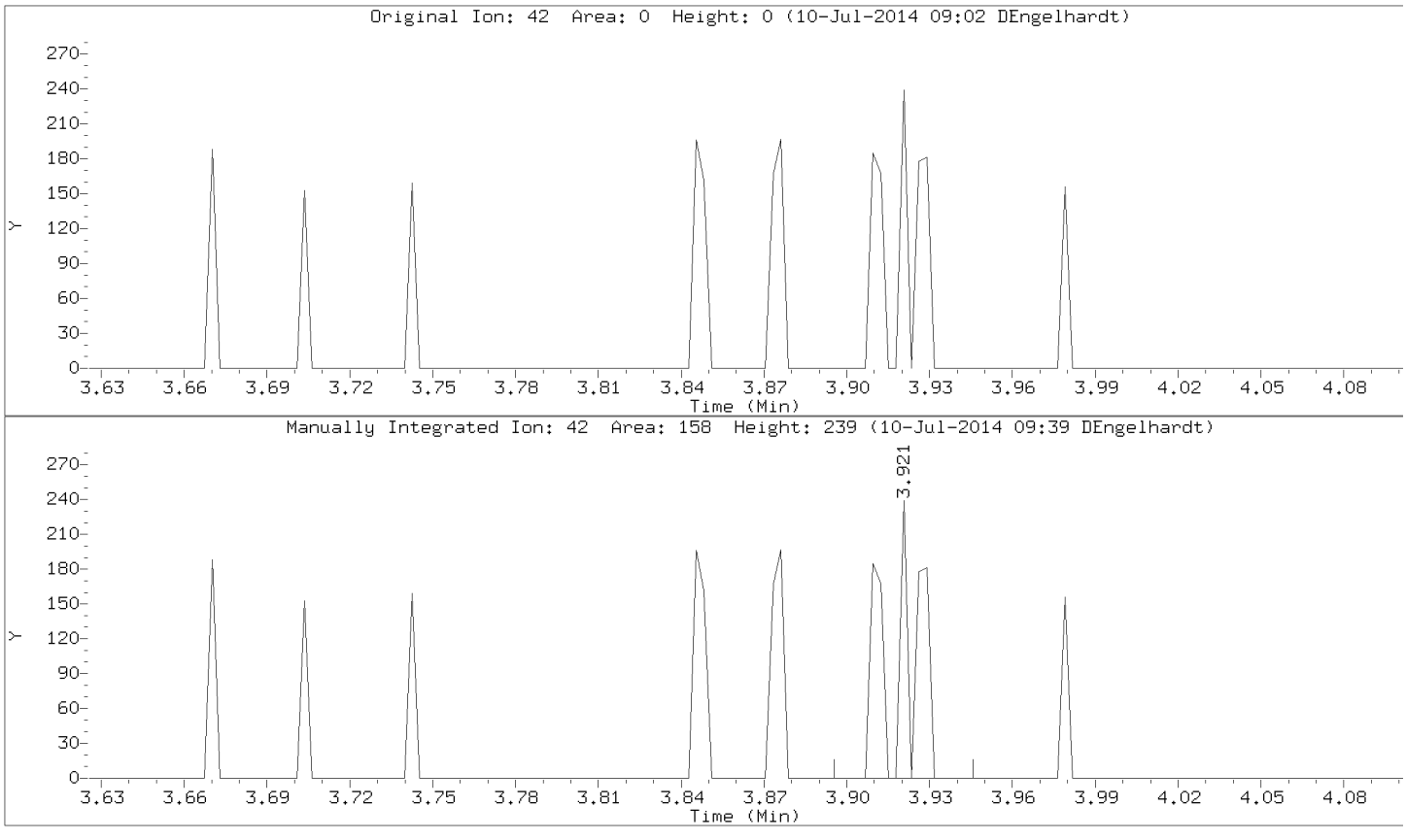
Lab Sample ID: 8260-CAL1,72087:0



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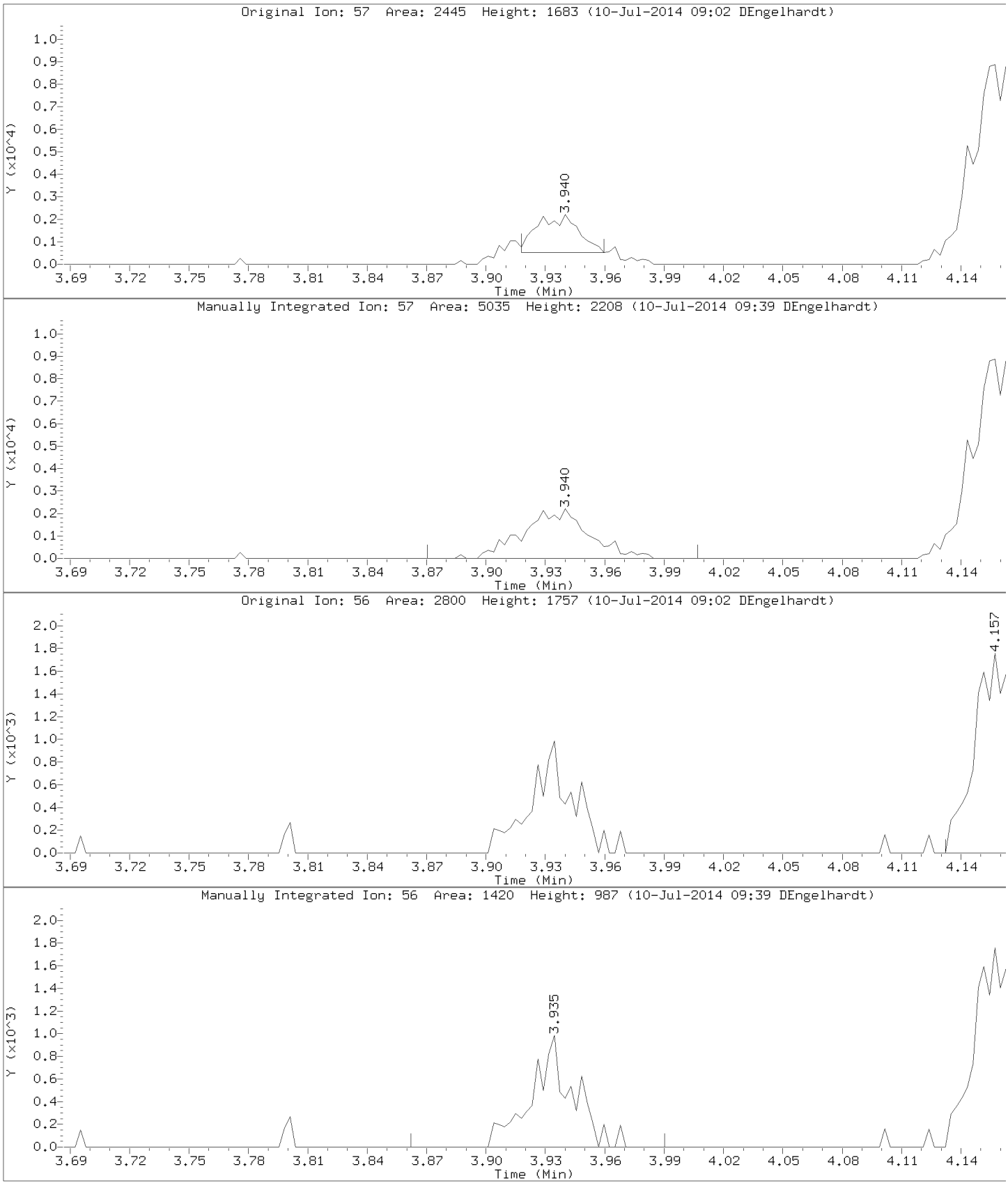
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2,2,4-Trimethylpentane
CAS Number: 540-84-1



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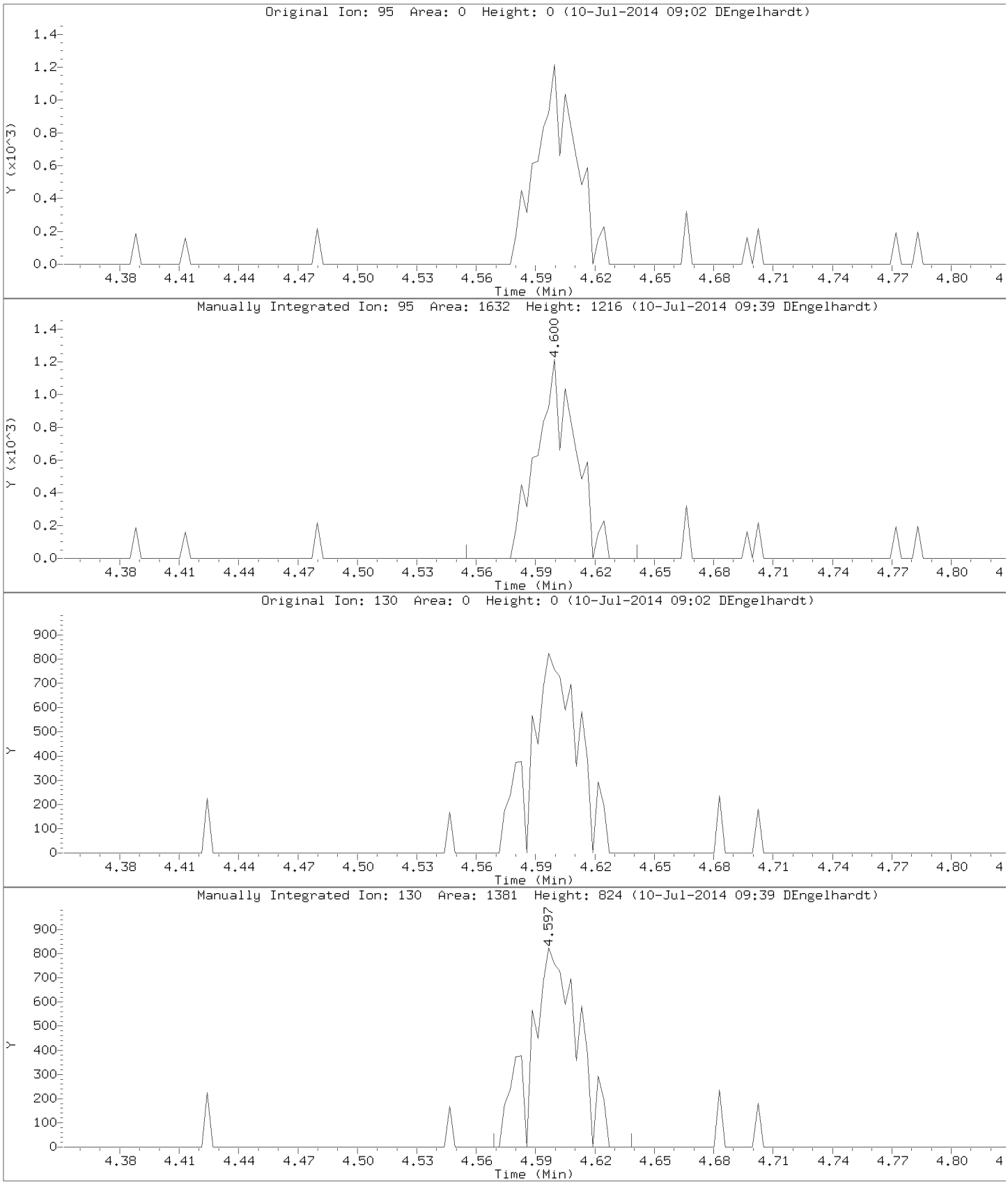
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Trichloroethene
CAS Number: 79-01-6



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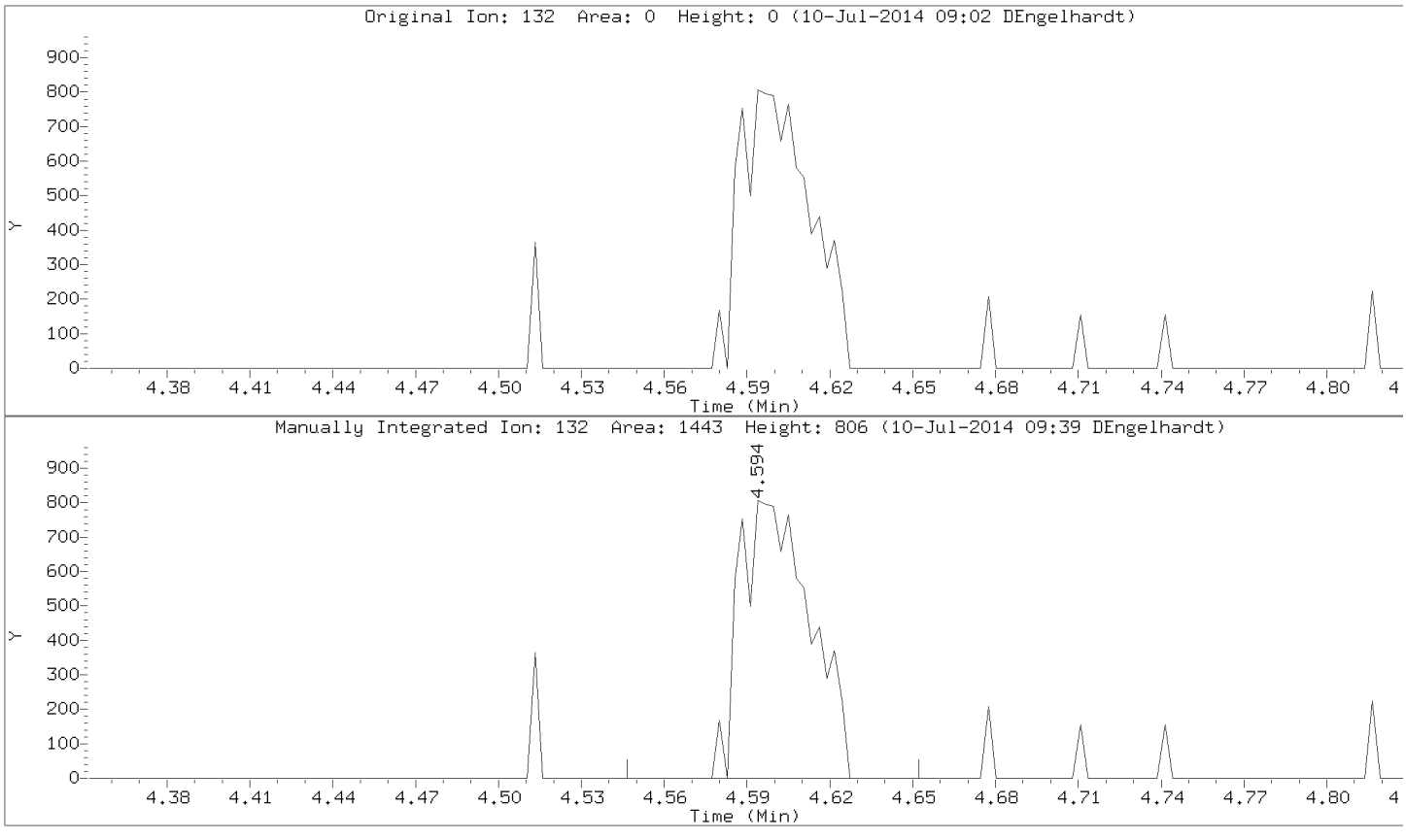
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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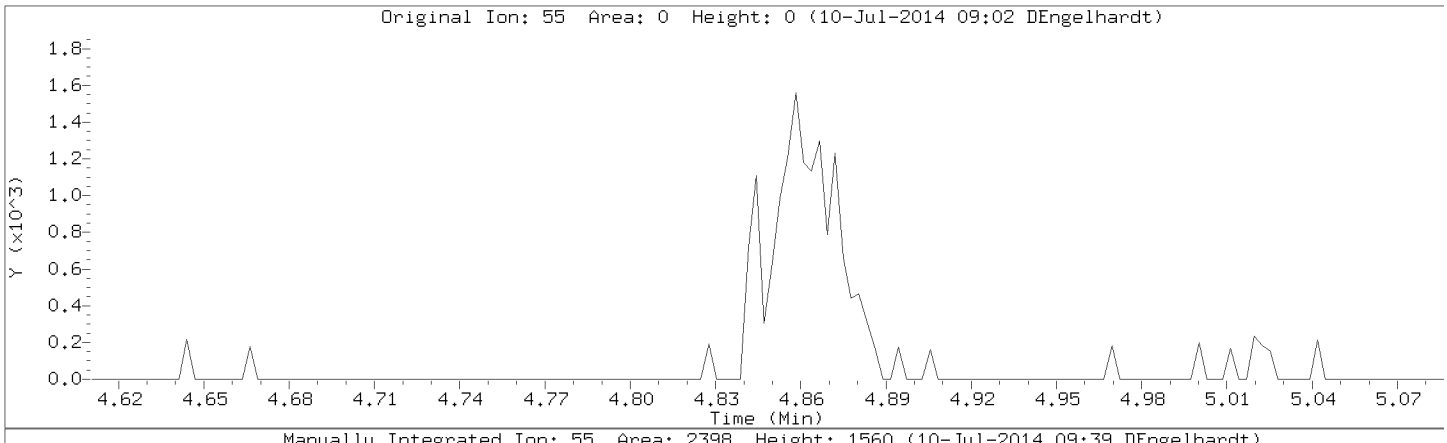
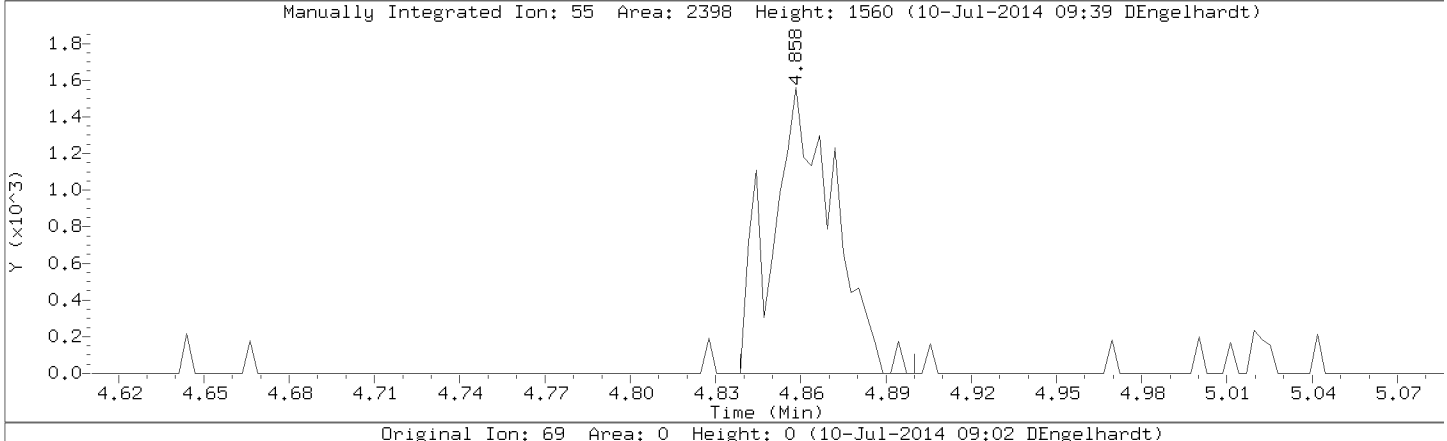
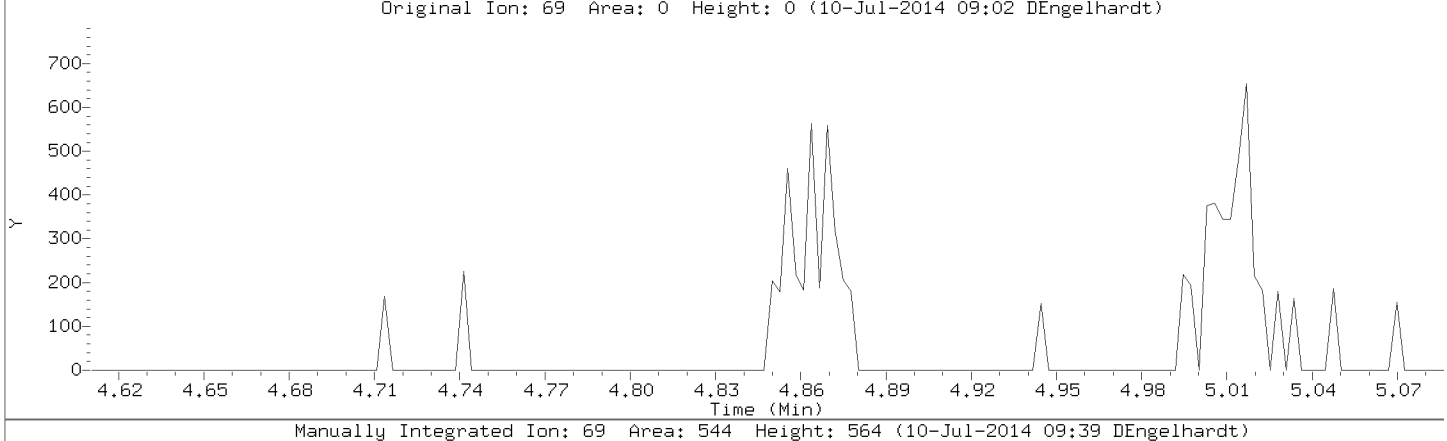
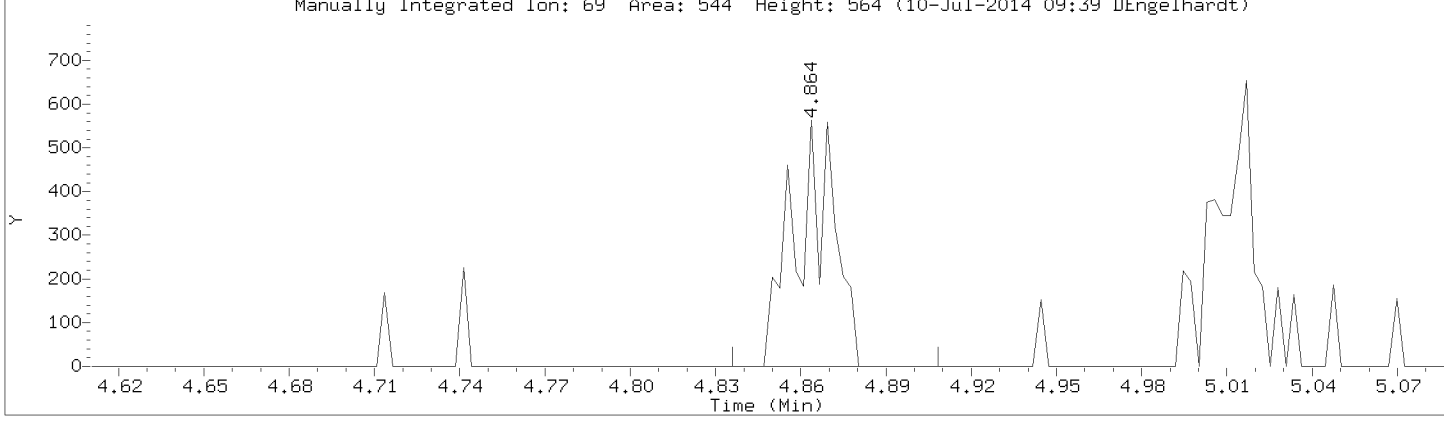
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Methylcyclohexane
CAS Number: 108-87-2









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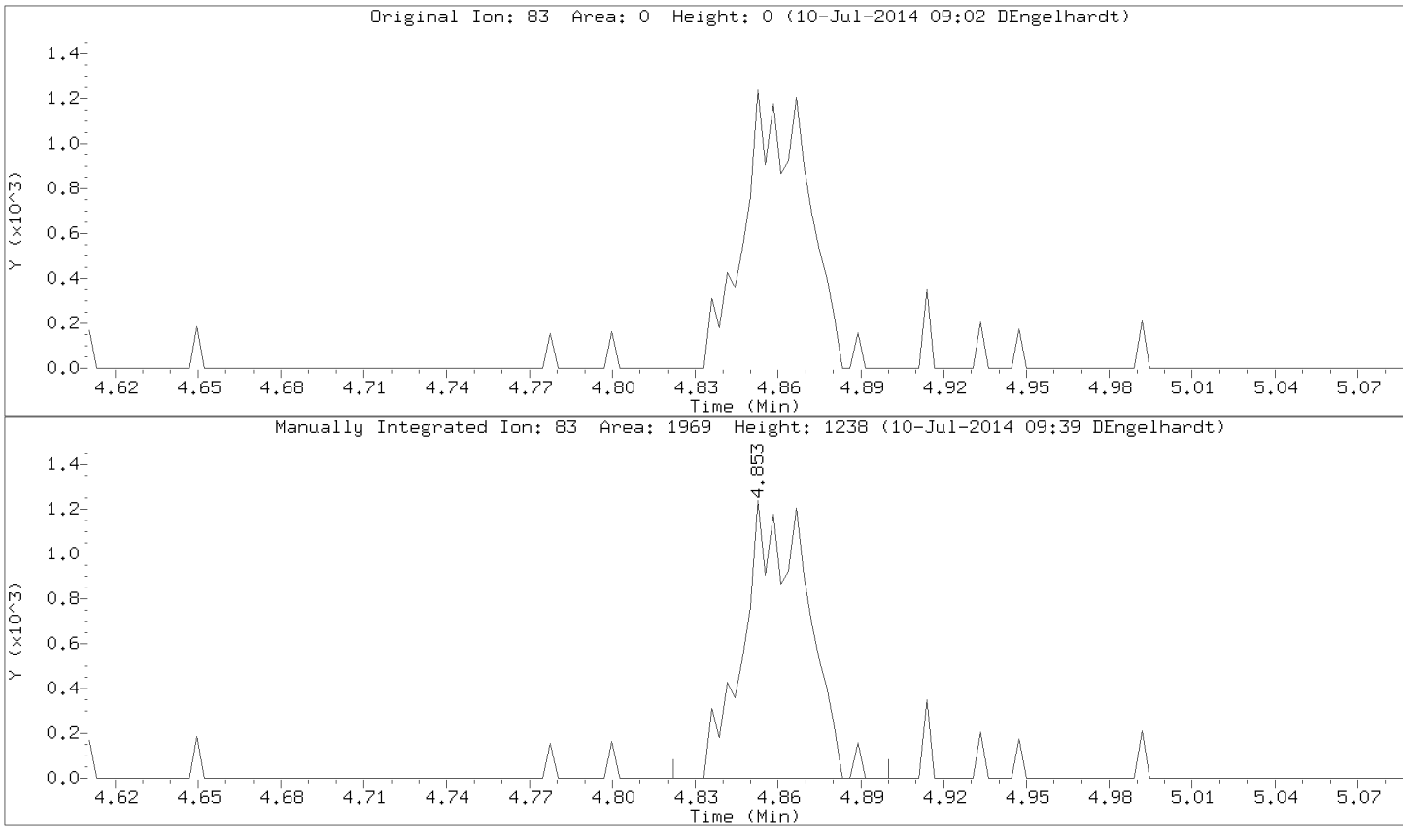
Lab Sample ID: 8260-CAL1,72087:0



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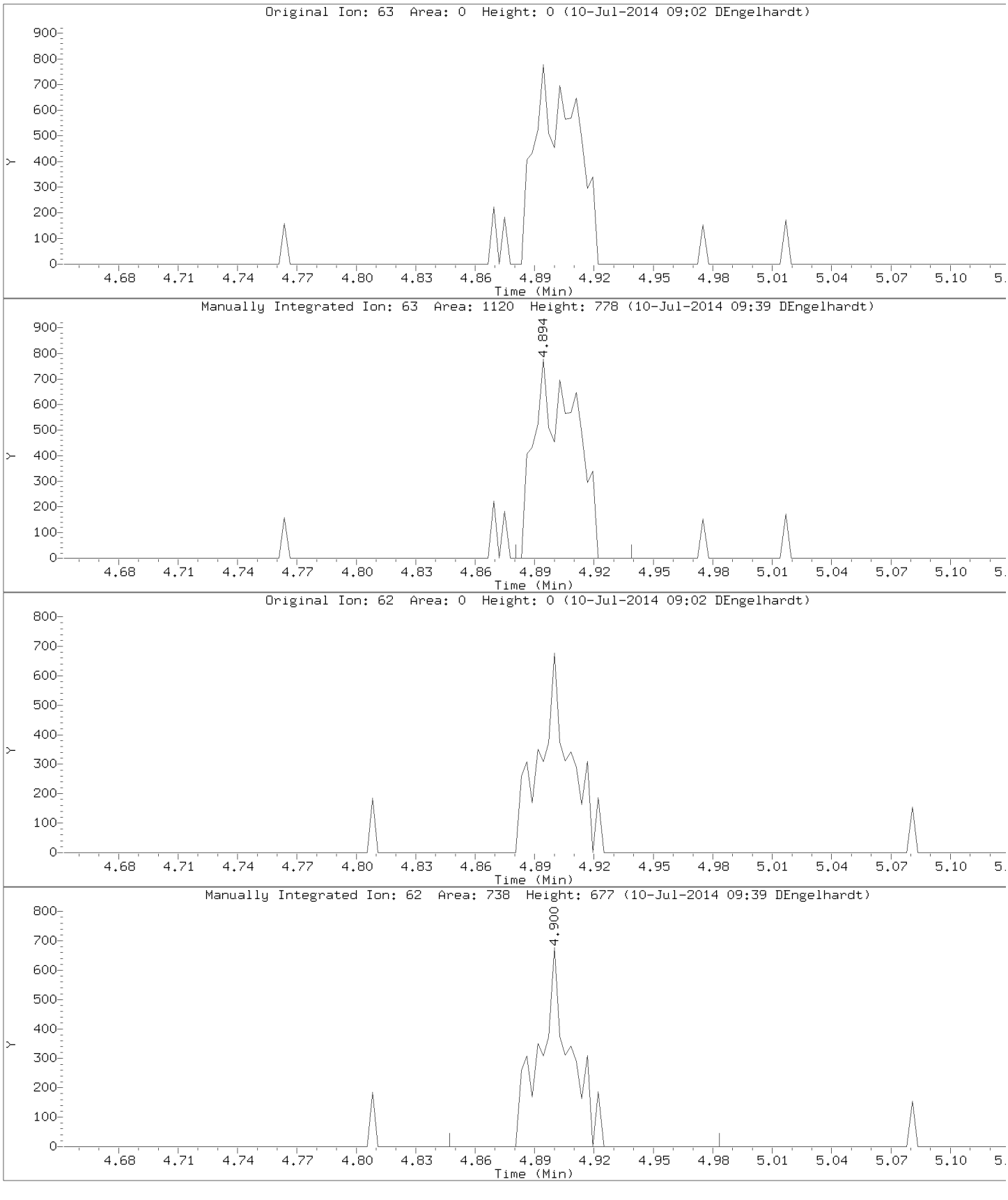
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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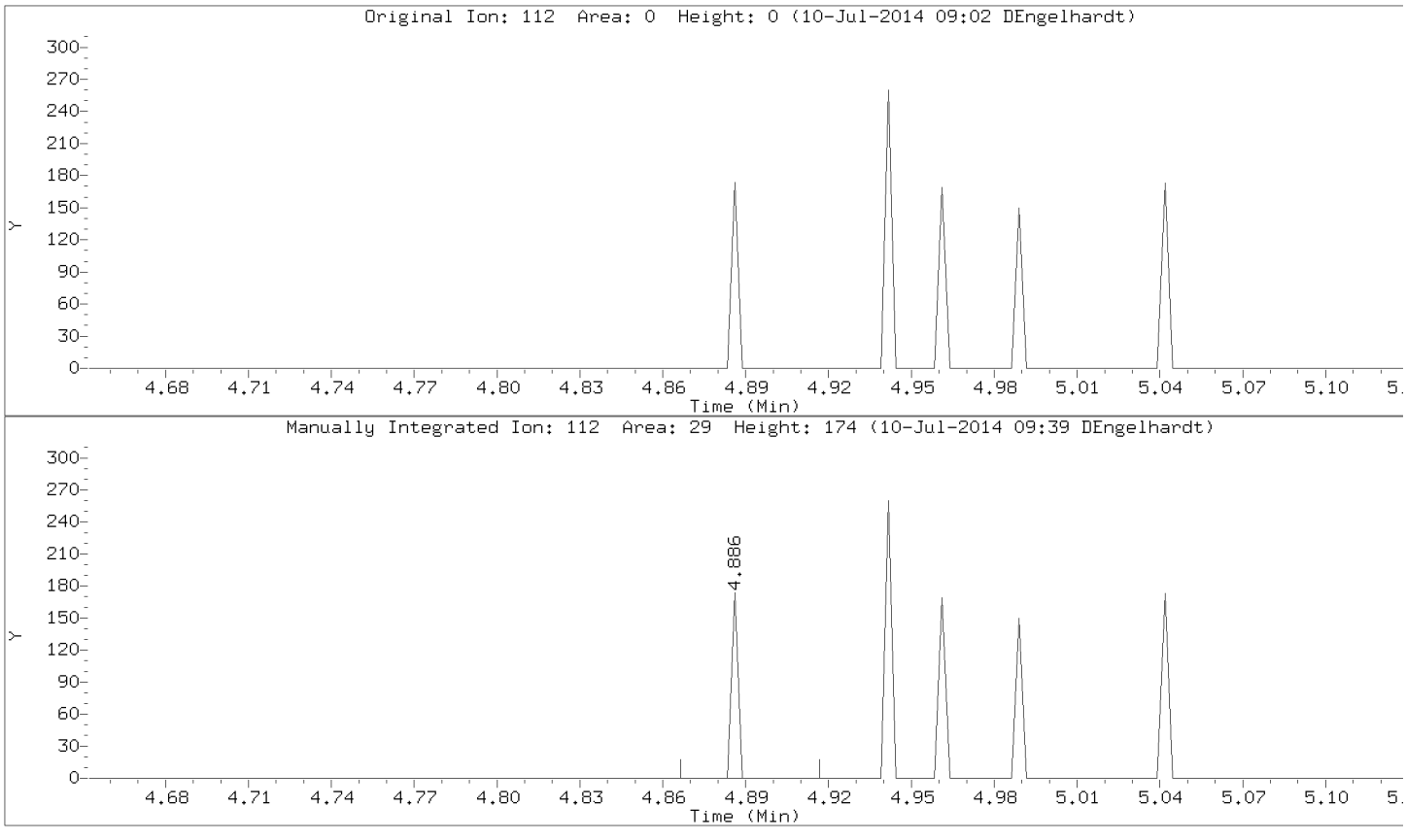

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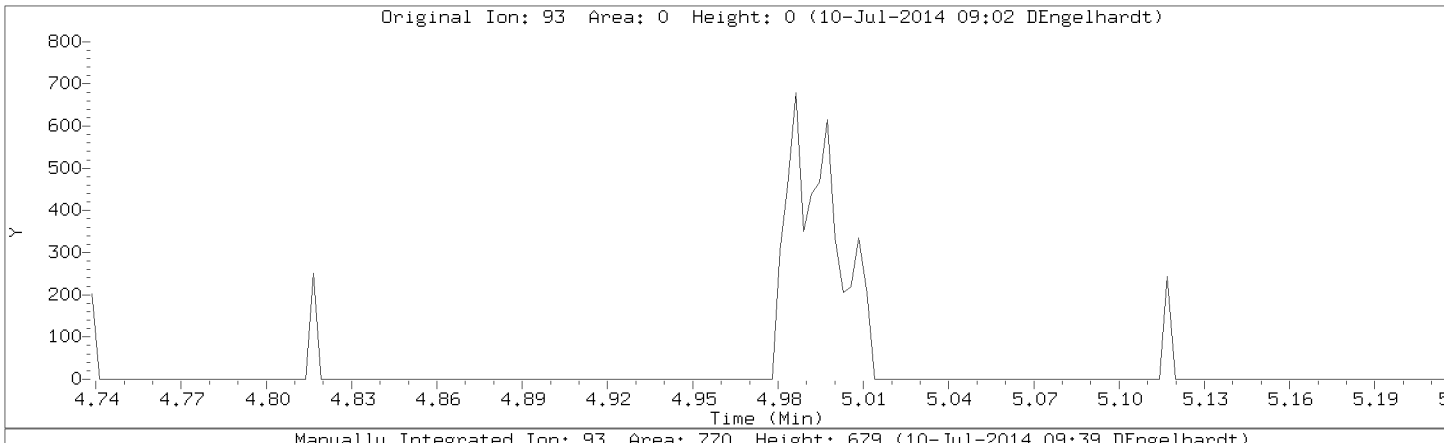
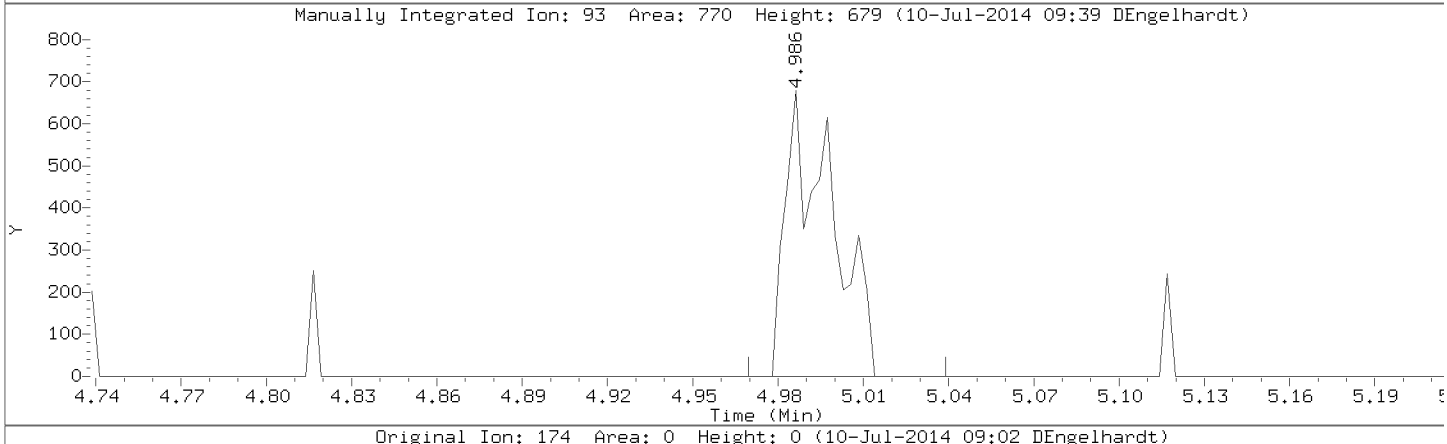
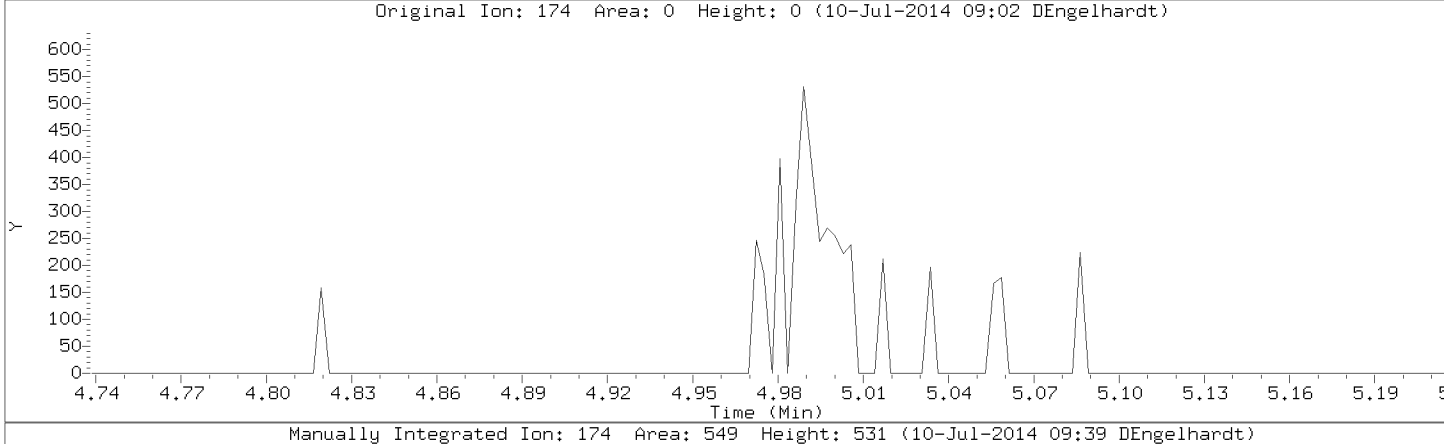
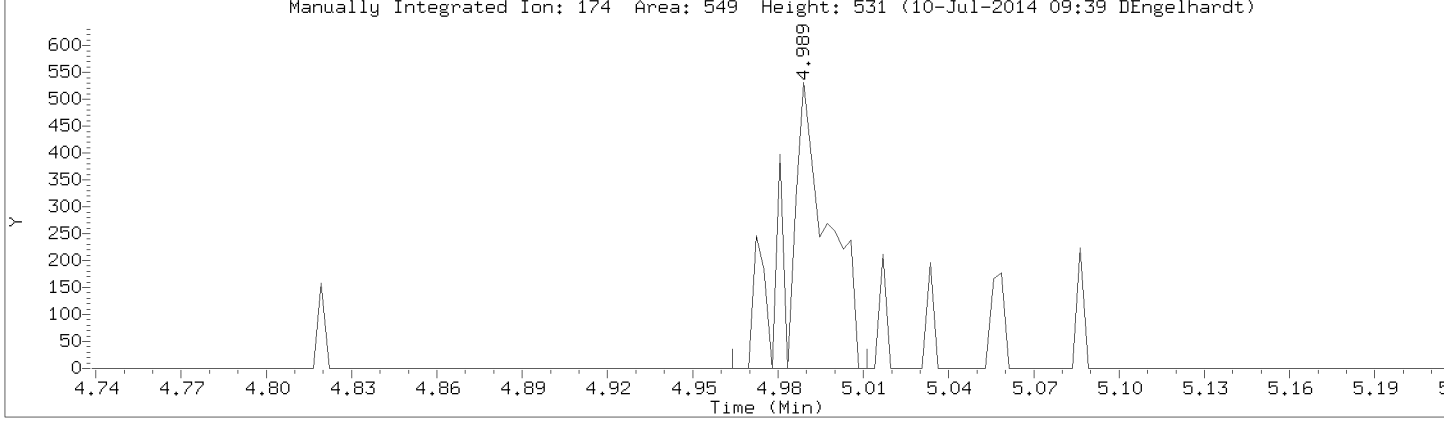
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Dibromomethane
CAS Number: 74-95-3









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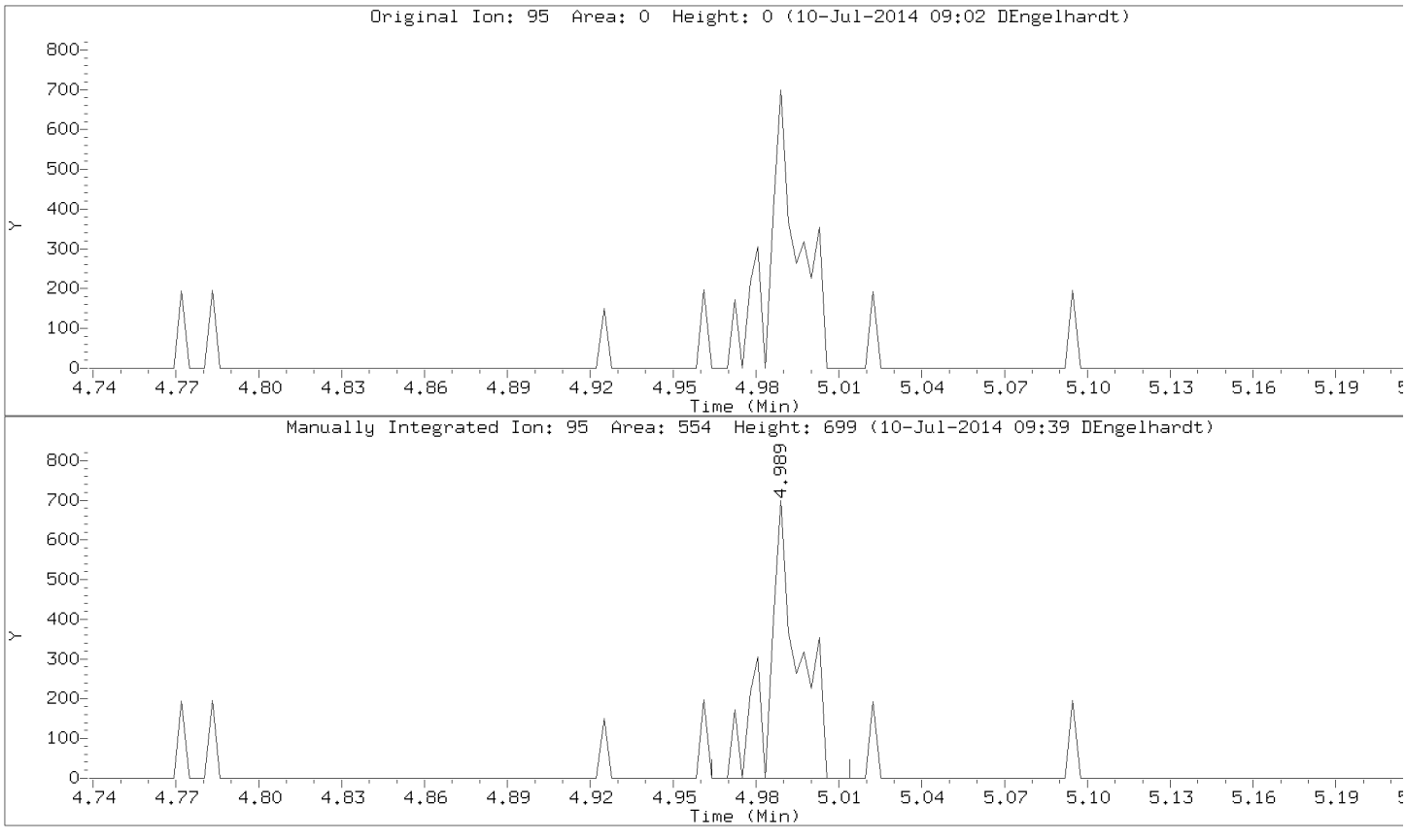
Lab Sample ID: 8260-CAL1,72087:0



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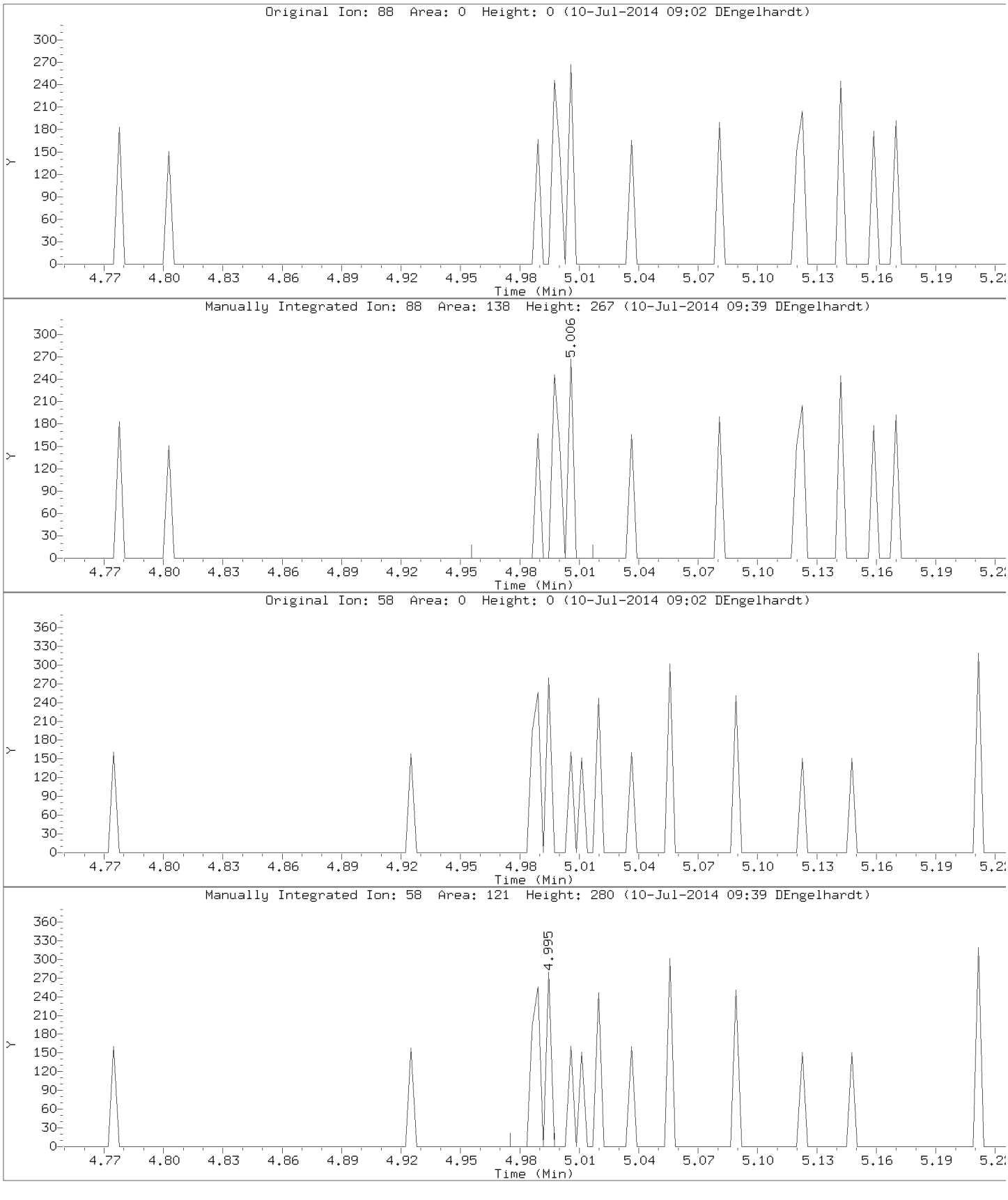
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,4-Dioxane
CAS Number:



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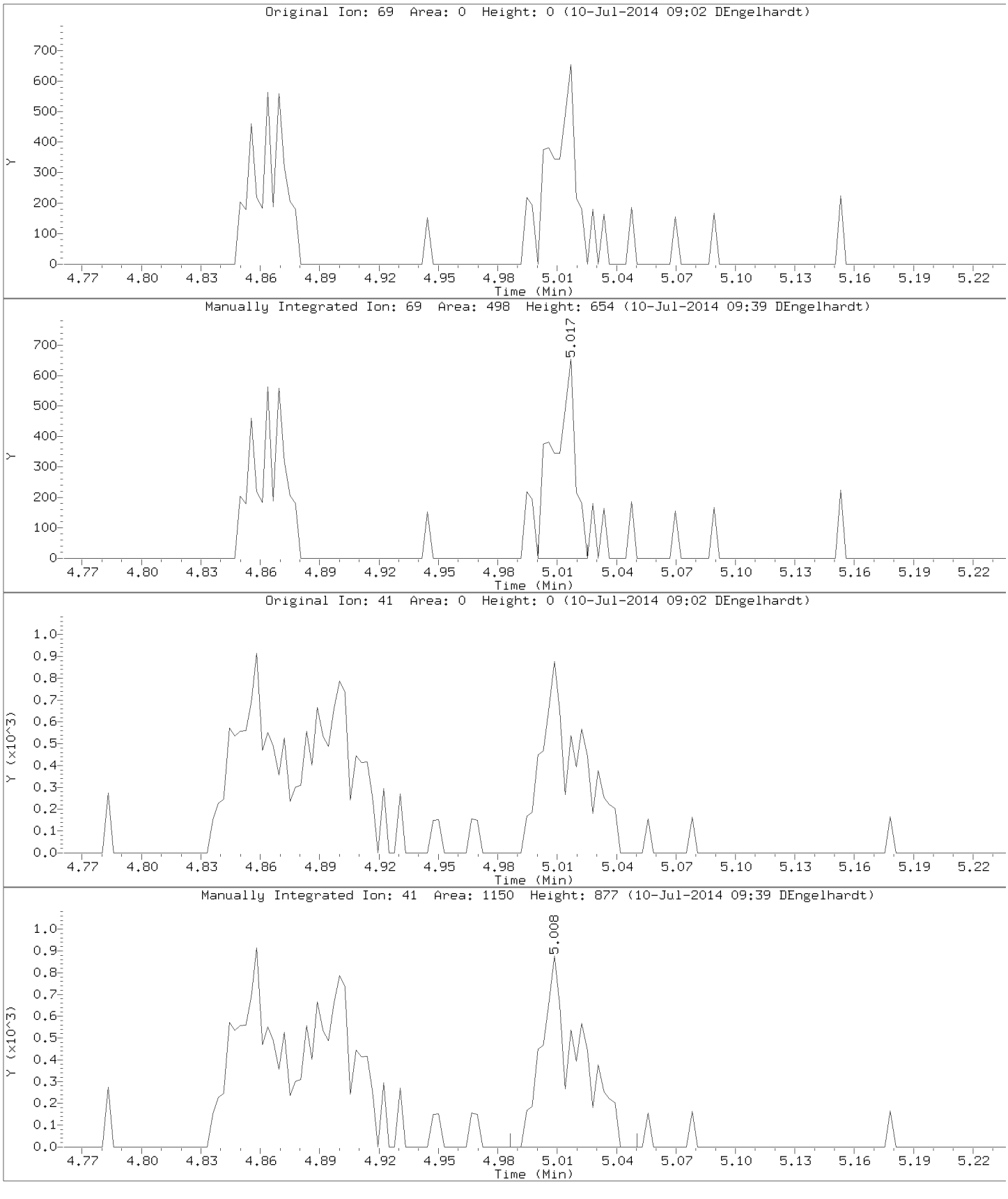
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Methyl methacrylate
CAS Number: 80-62-6



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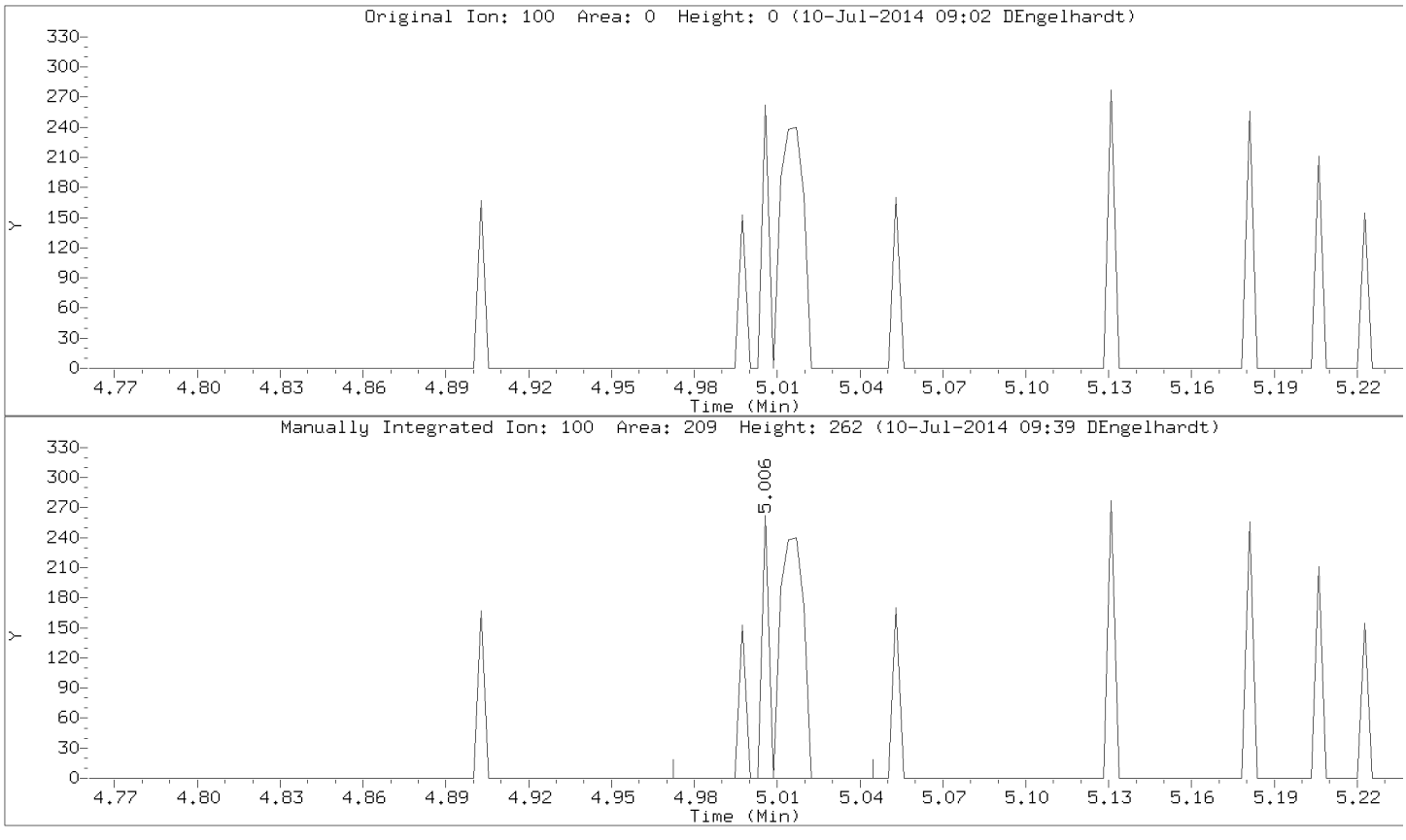
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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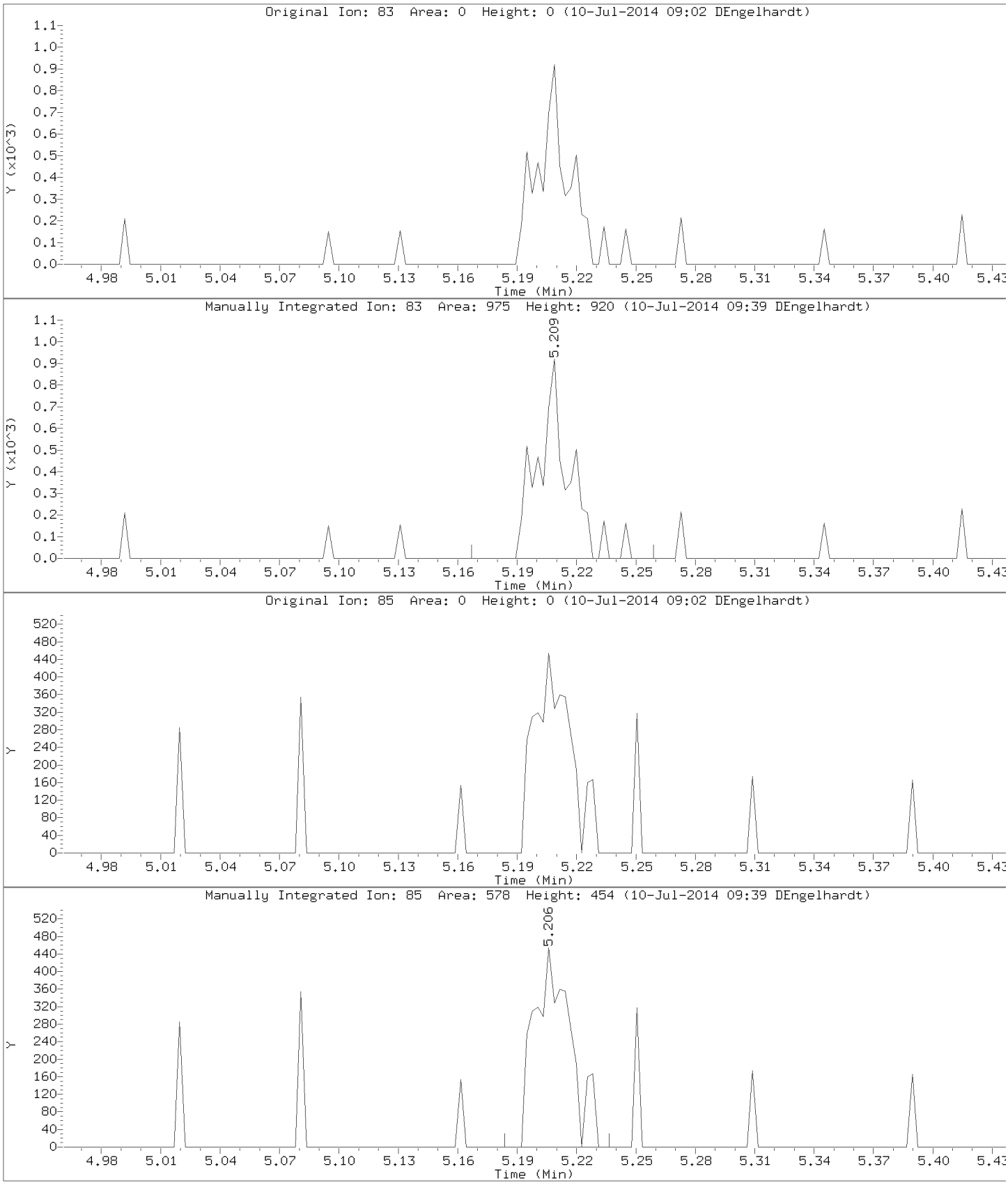
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



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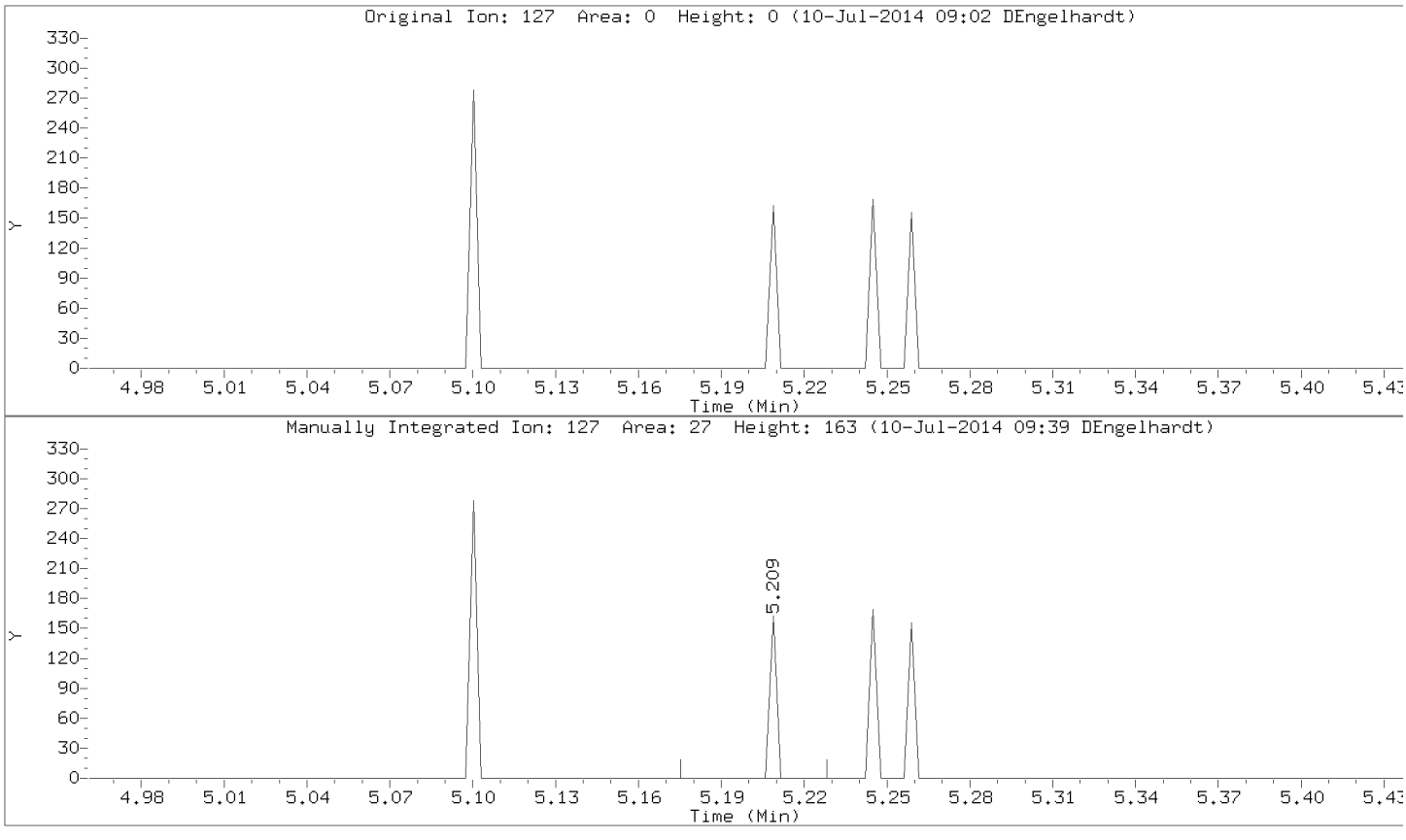
Lab Sample ID: 8260-CAL1,72087:0



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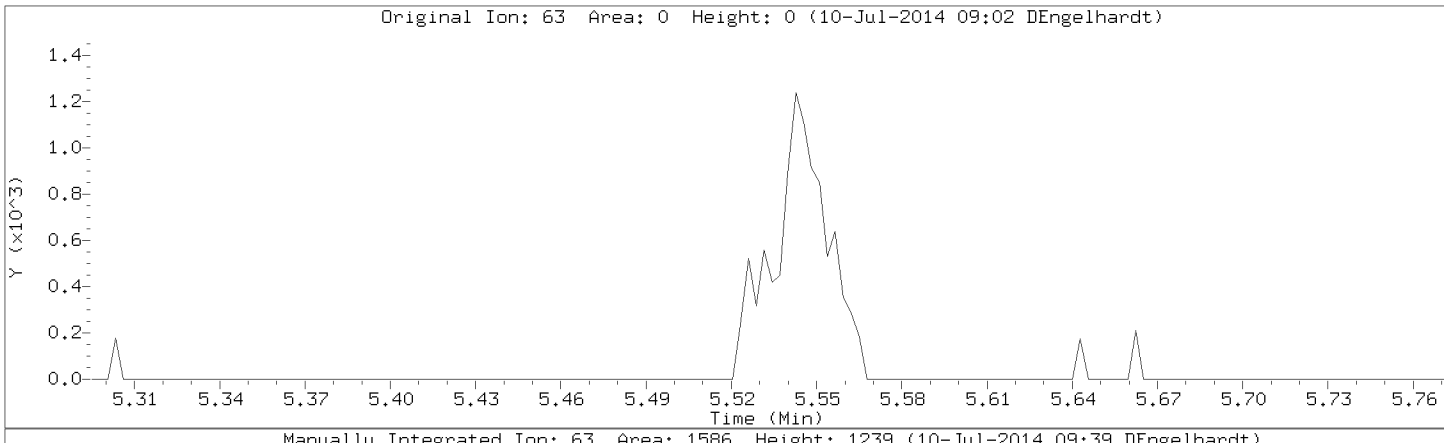
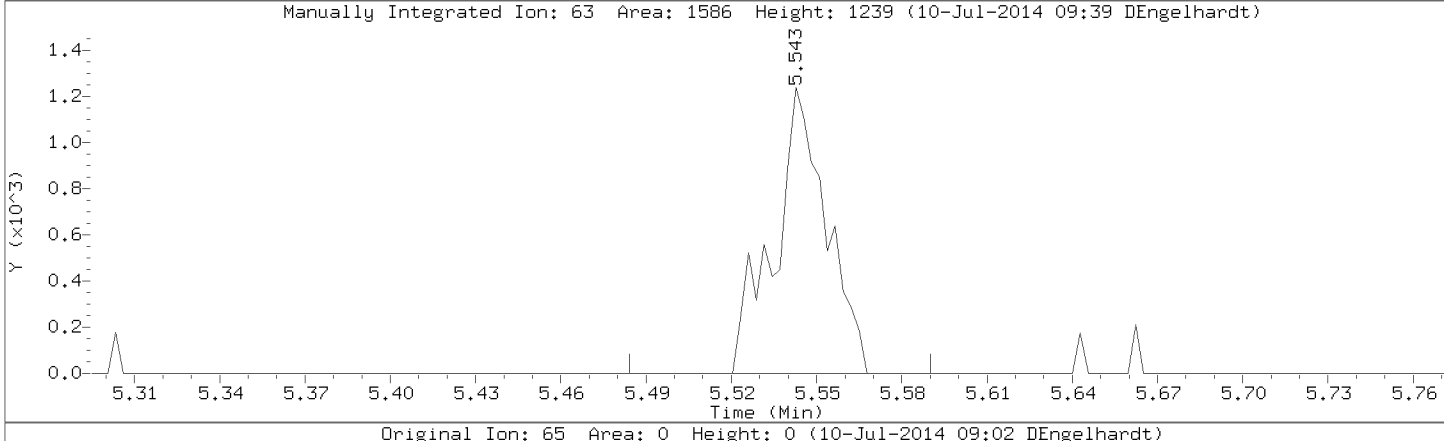
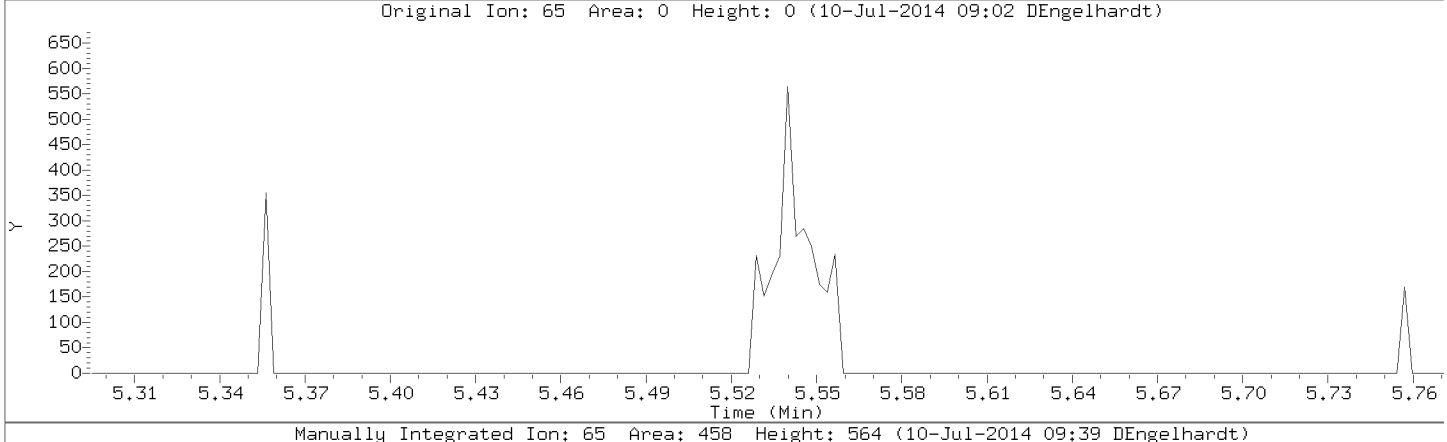
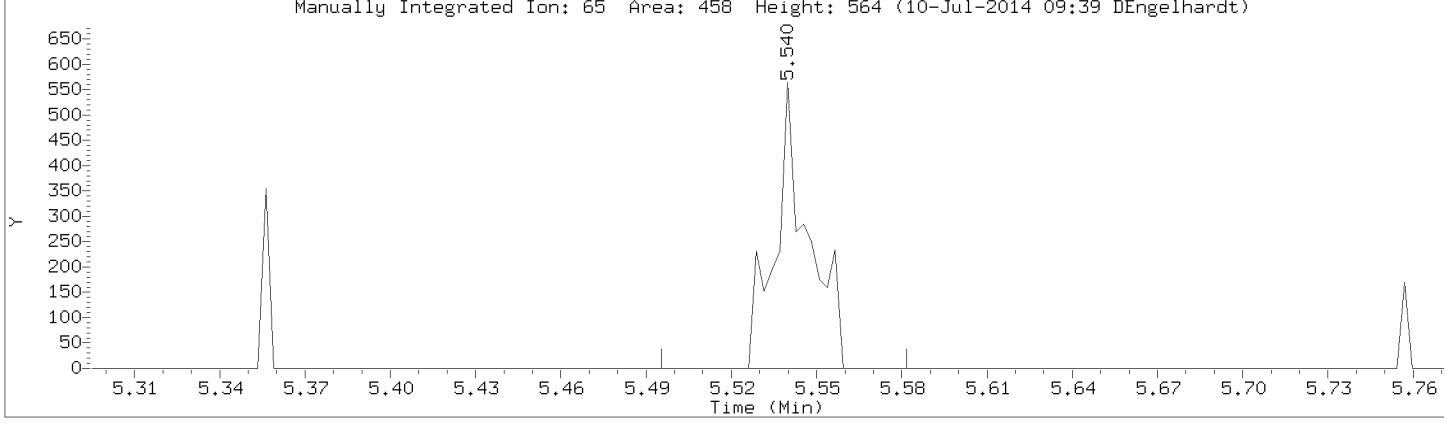
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8









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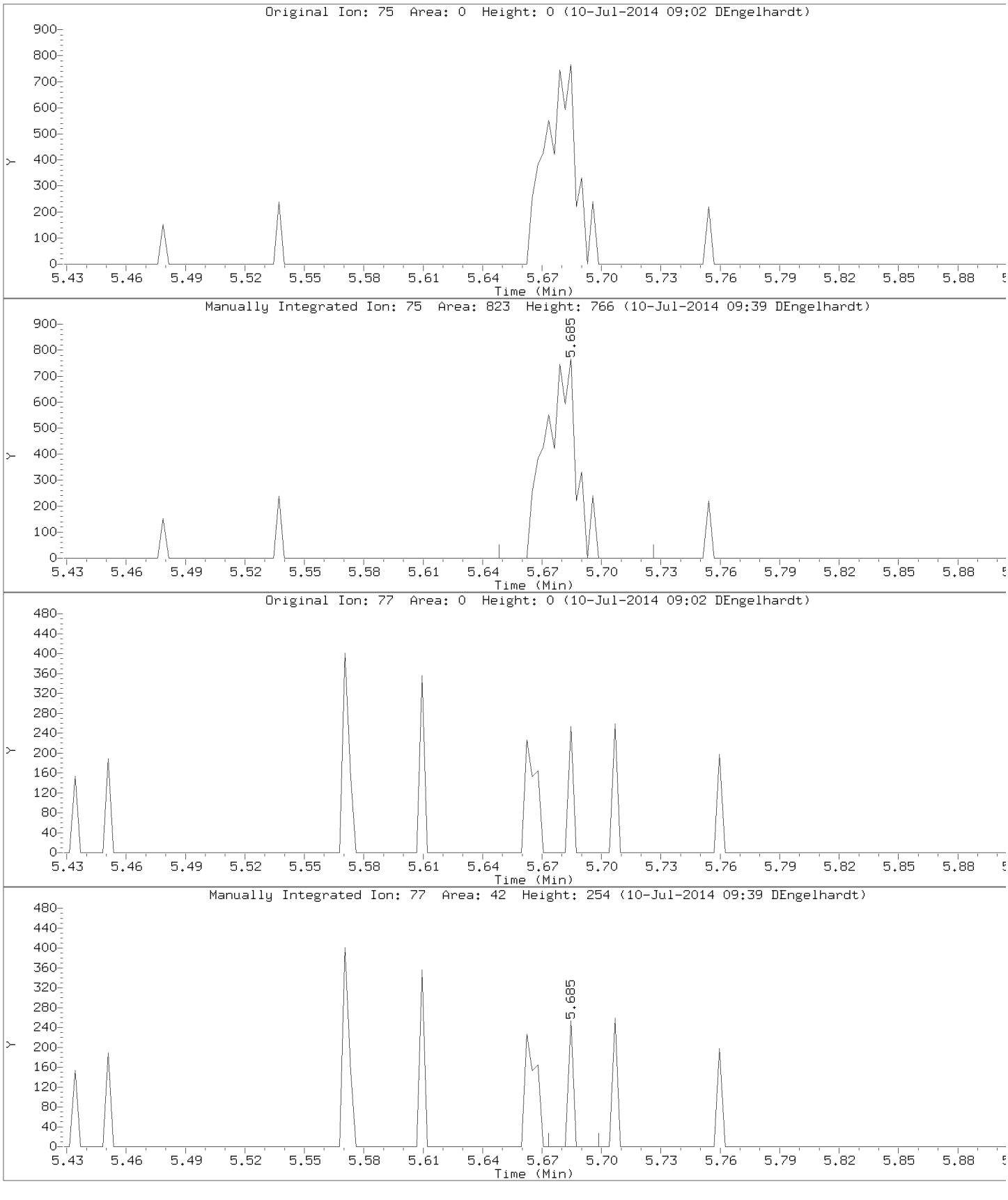
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: cis-1,3-Dichloropropene
CAS Number: 10061-01-5



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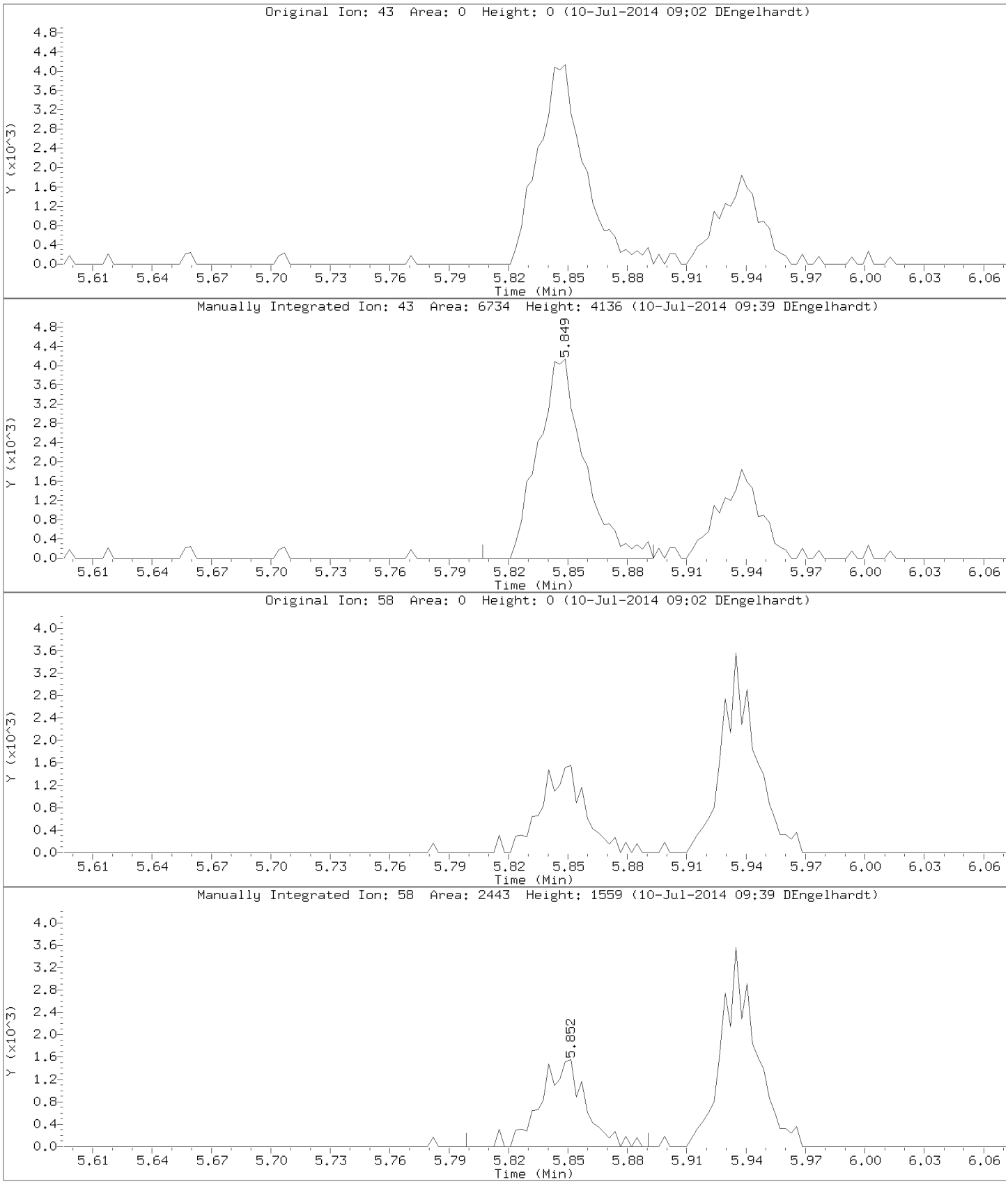
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 4-Methyl-2-Pentanone
CAS Number: 108-10-1



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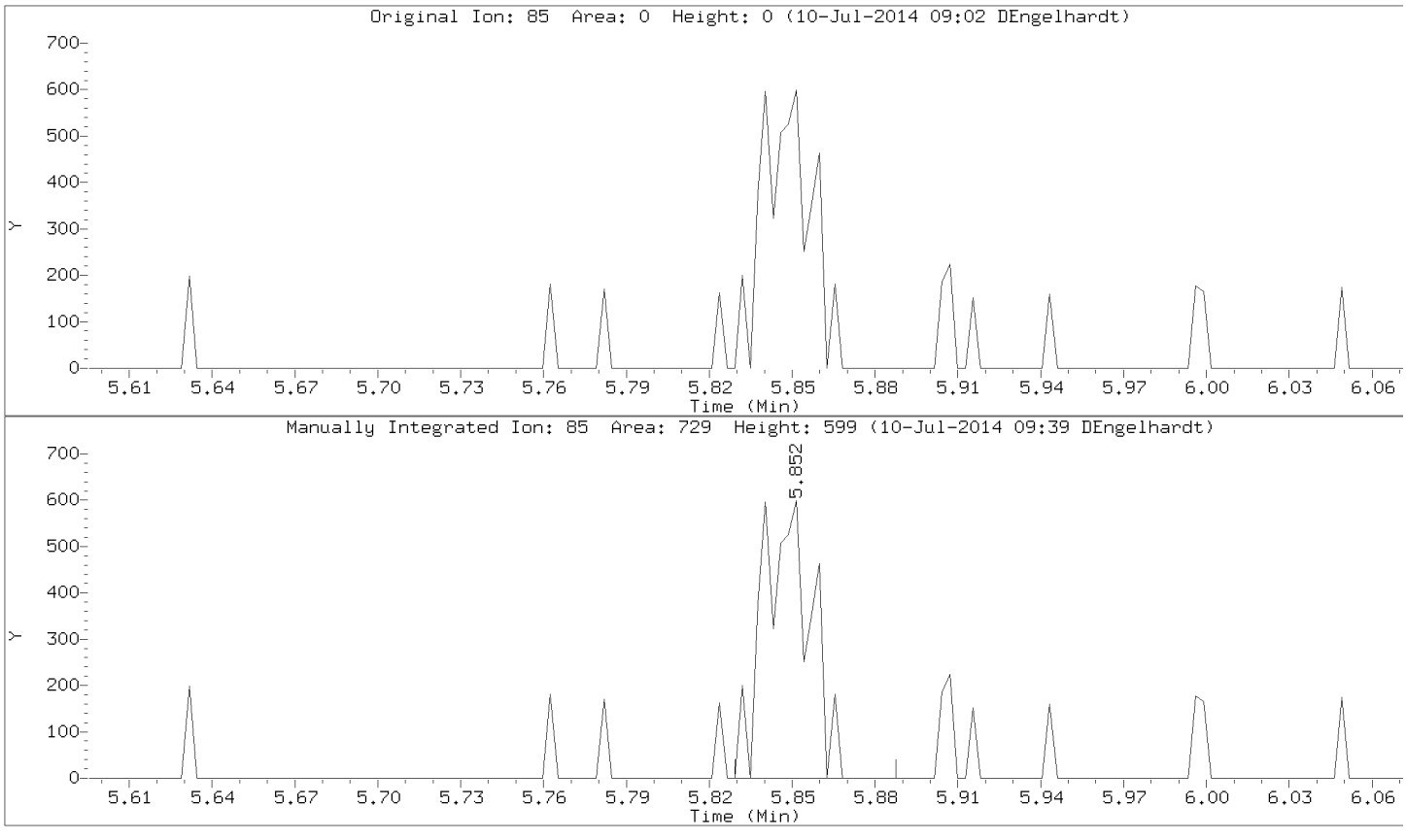
Lab Sample ID: 8260-CAL1,72087:0



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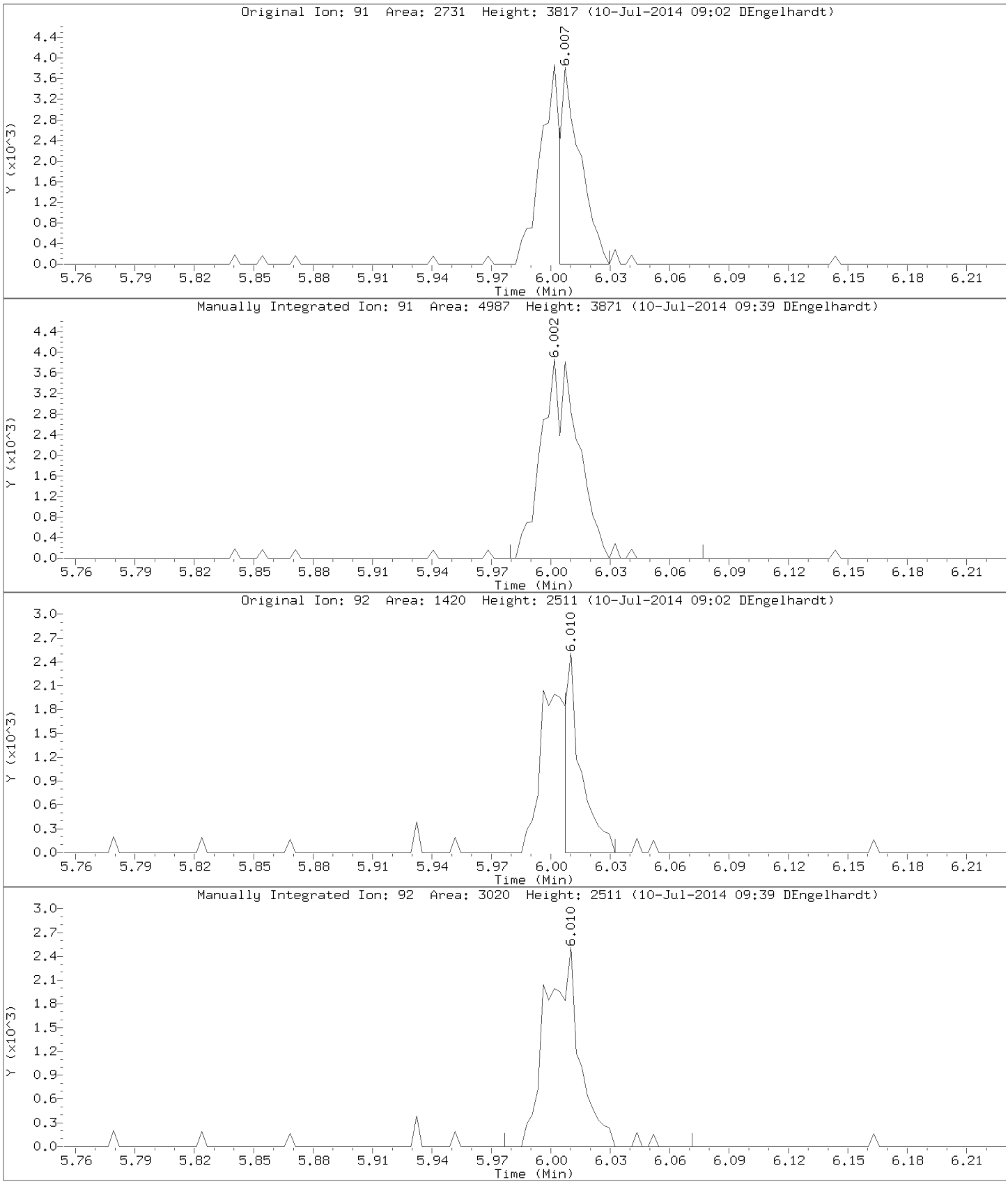
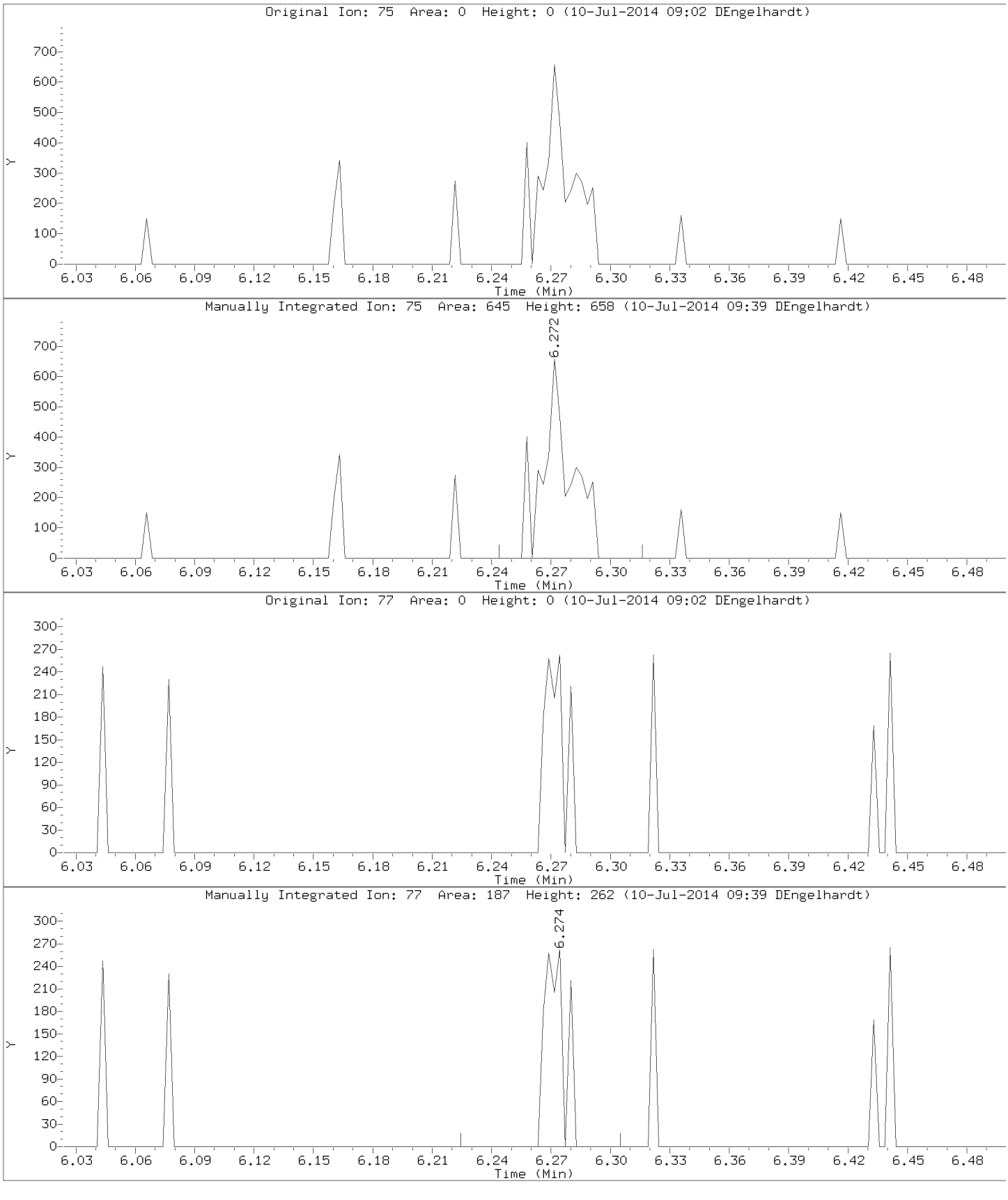
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Toluene
CAS Number: 108-88-3



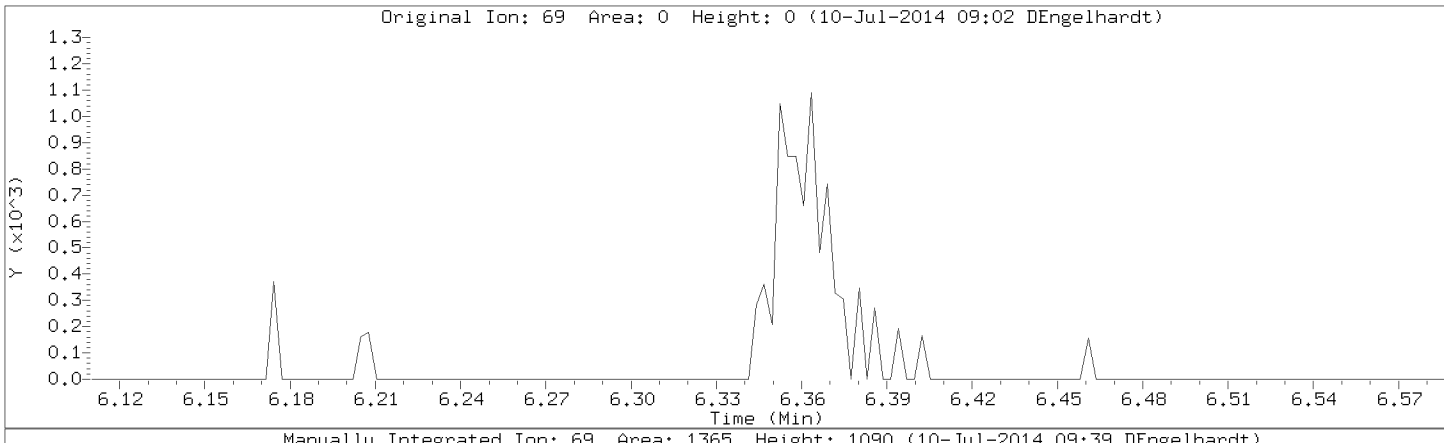
Data File: \\192.168.50.6\chem\50mv2a.i\A070914.B/a06cal1.d
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

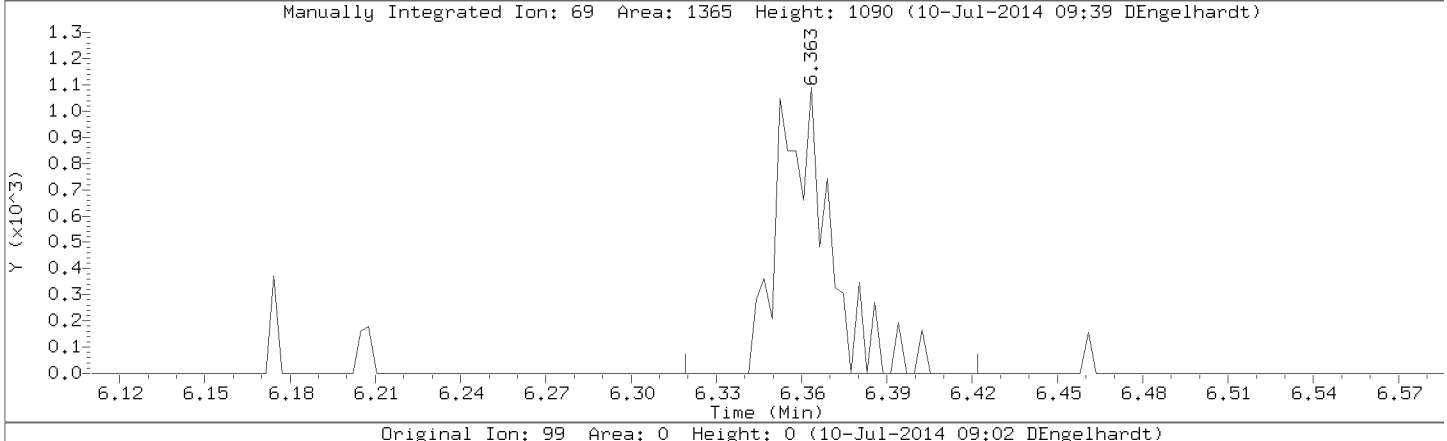
Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6

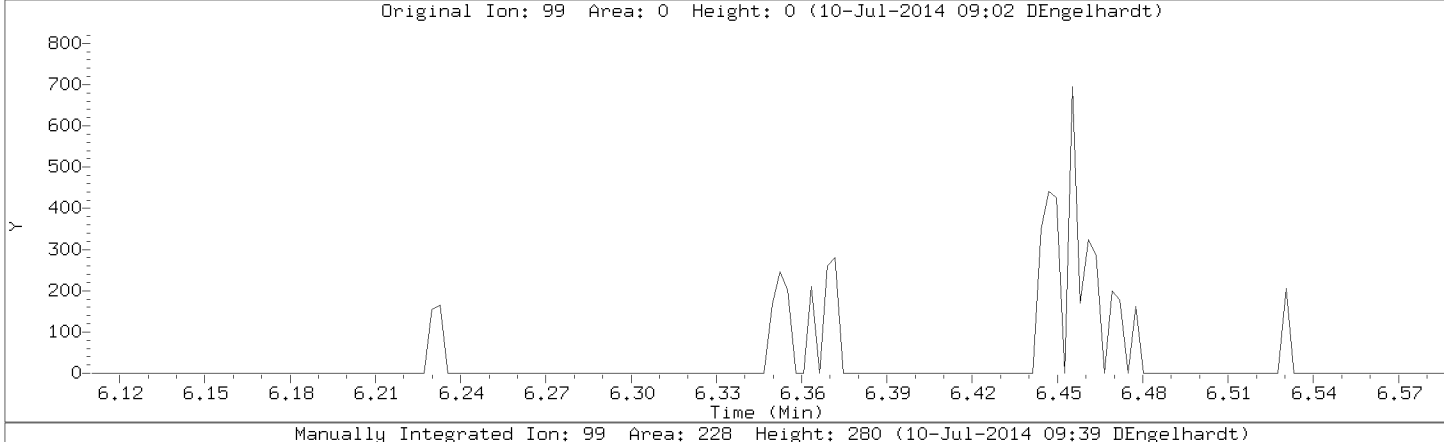


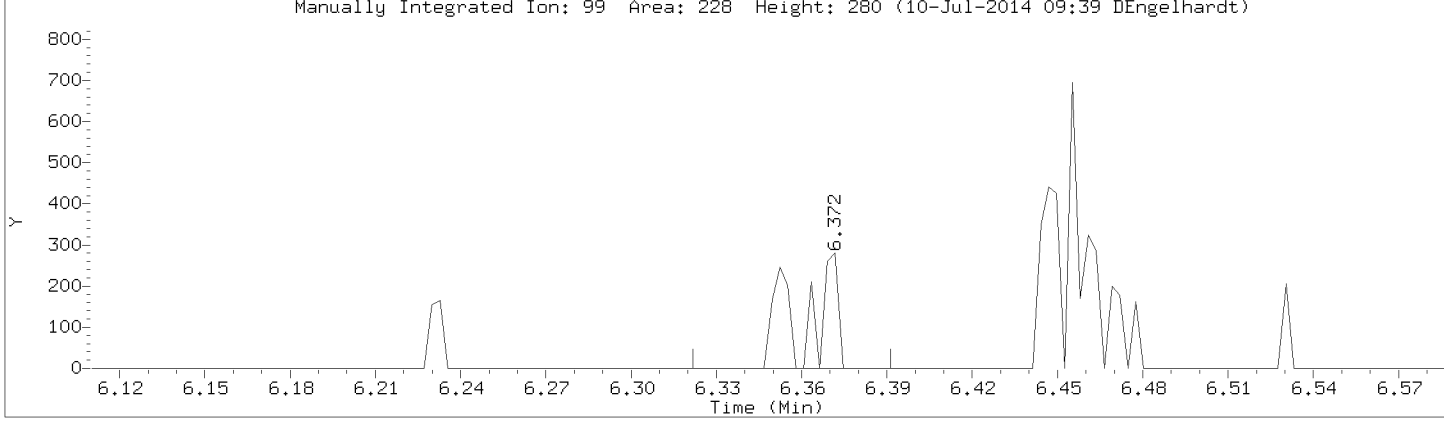
Data File: \\192.168.50.6\chem\50mv2a.i\A070914.B/a06cal1.d
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Ethyl Methacrylate
CAS Number:









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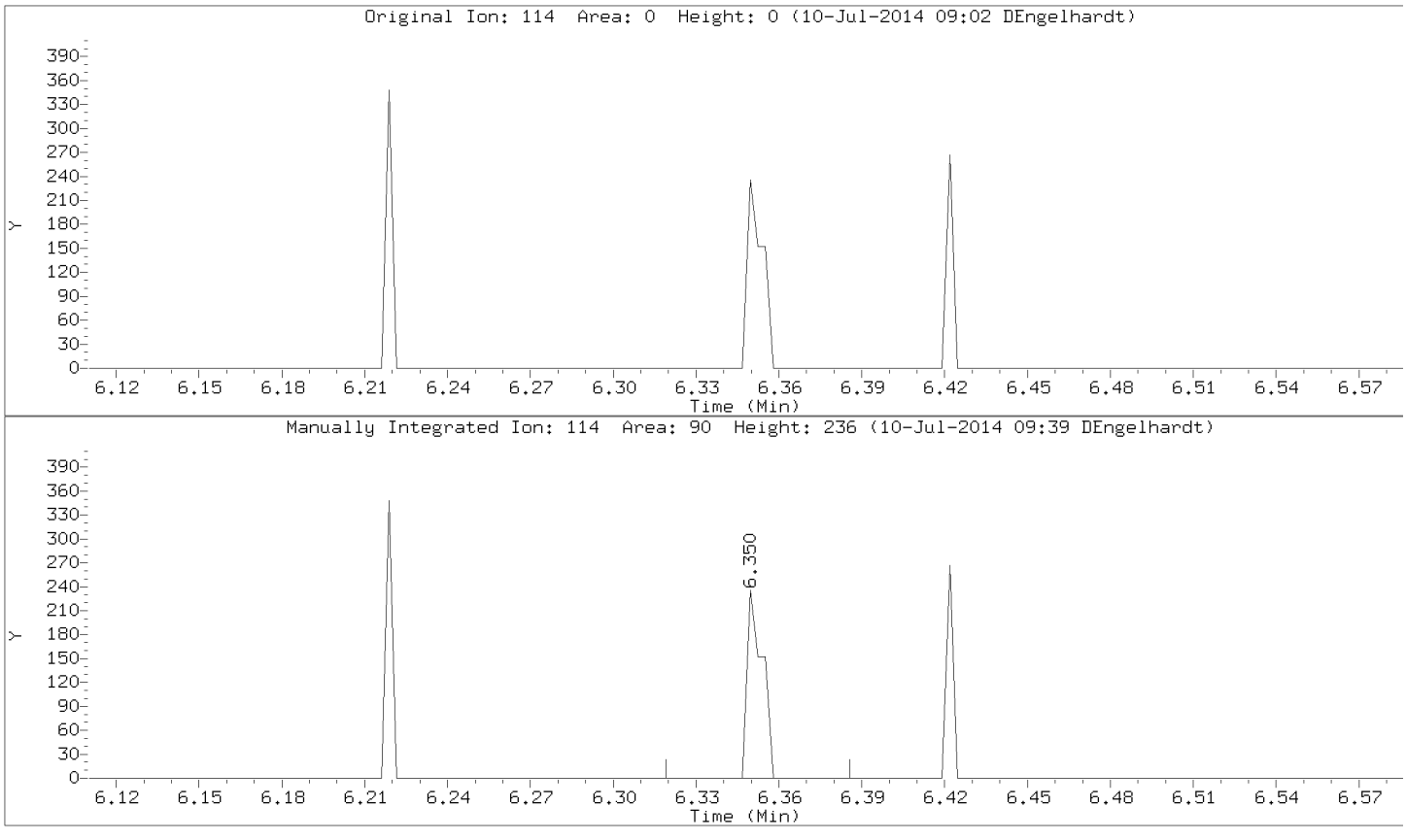
Lab Sample ID: 8260-CAL1,72087:0



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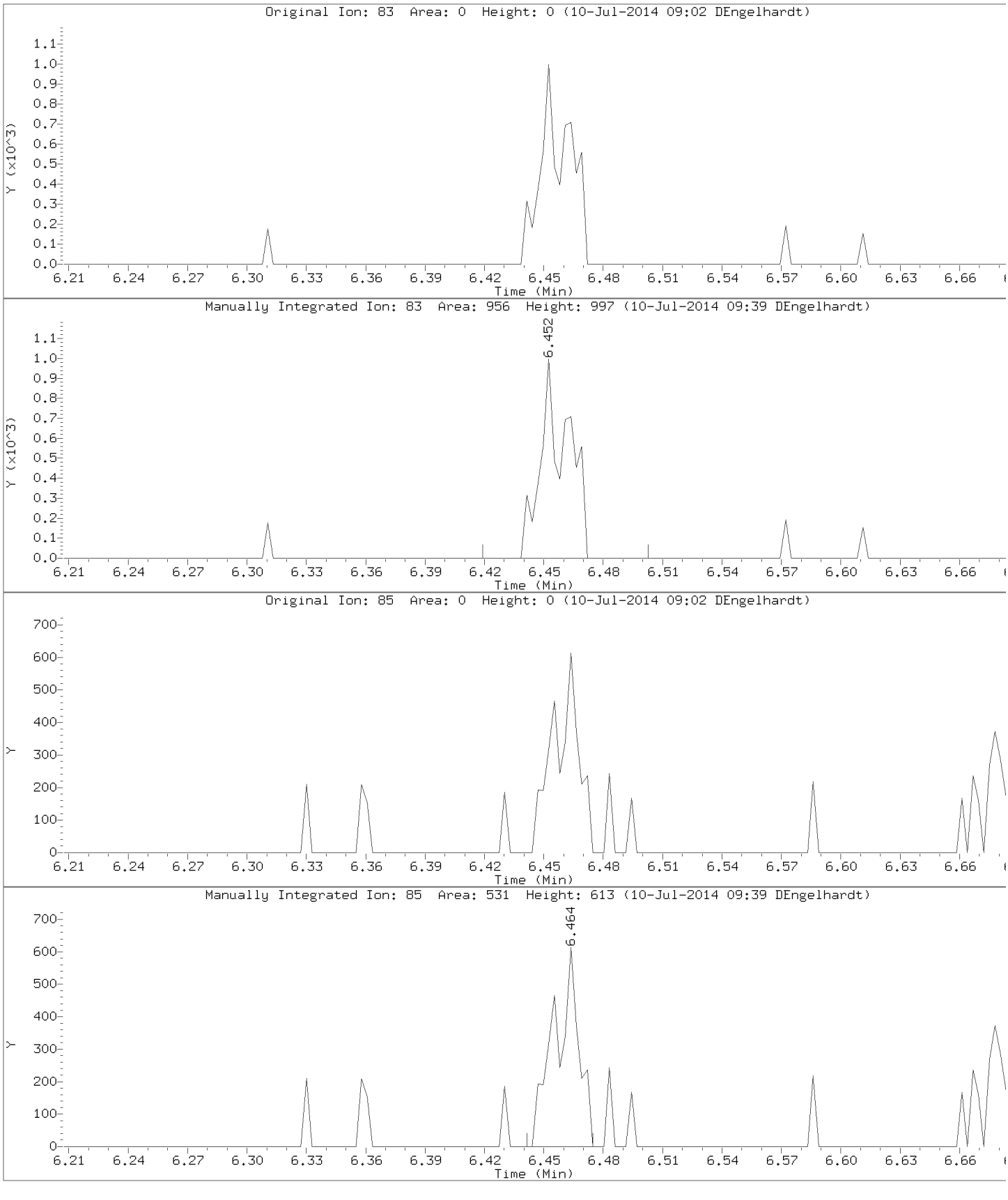
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1,2-Trichloroethane
CAS Number: 79-00-5



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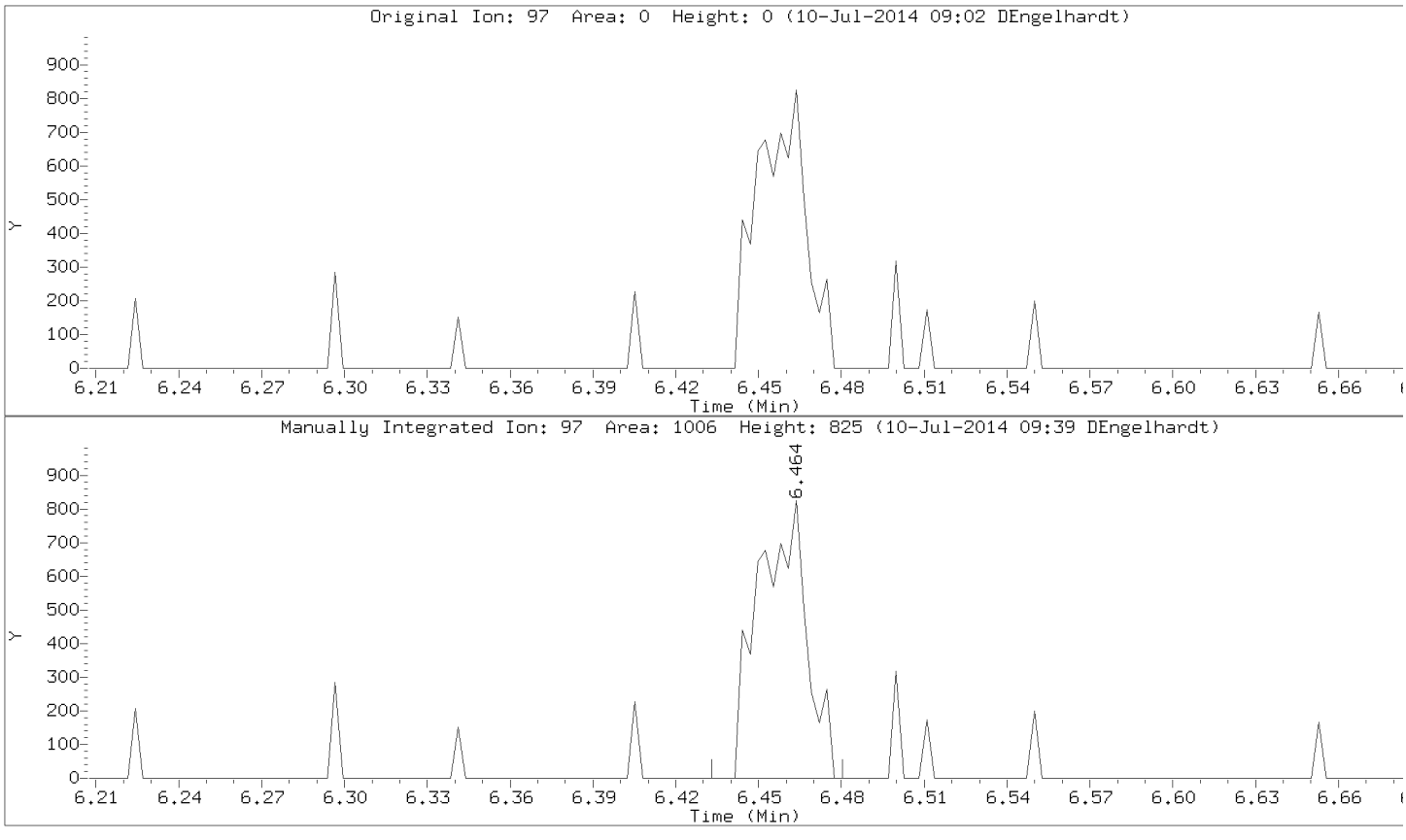
Lab Sample ID: 8260-CAL1,72087:0



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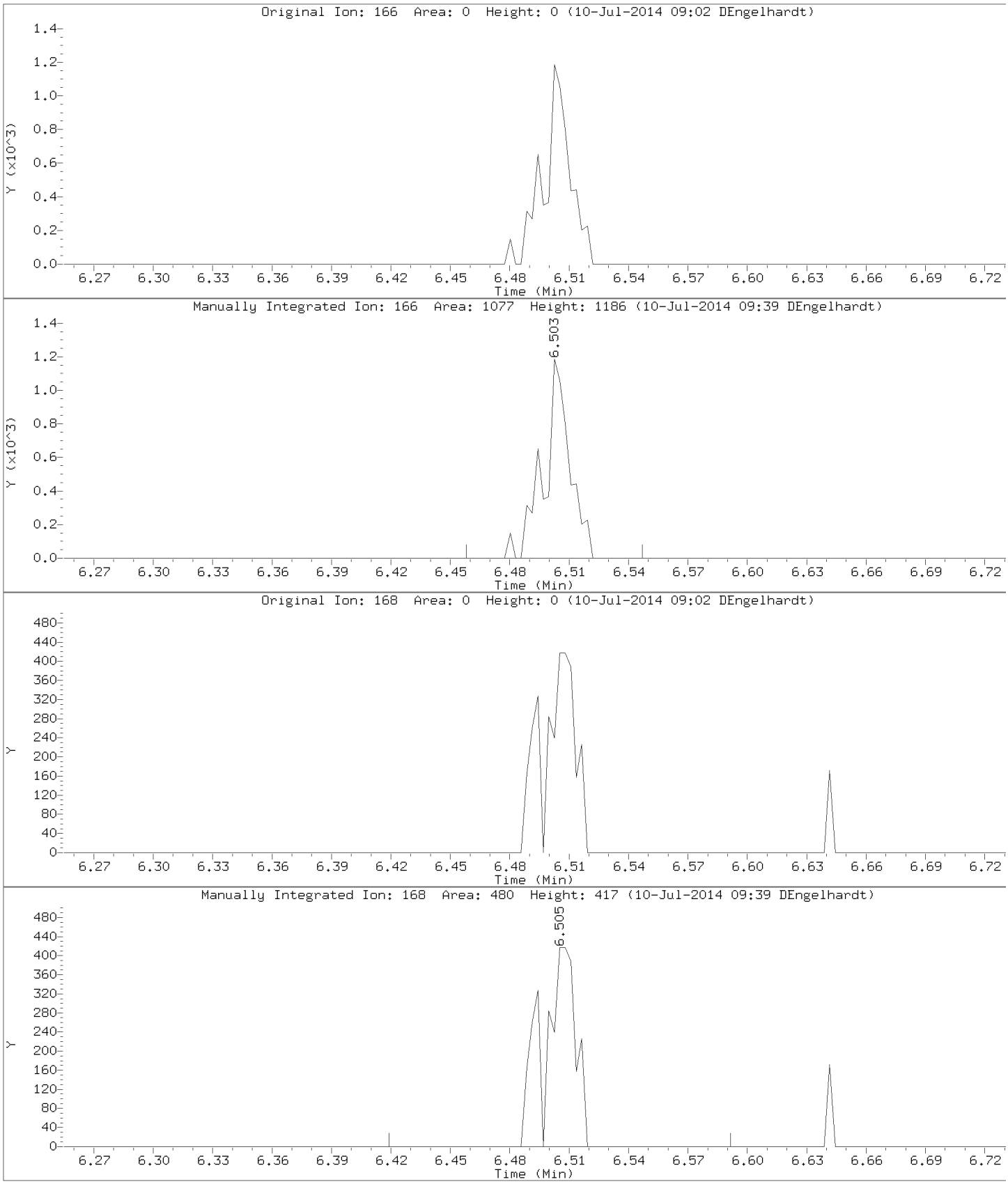
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Tetrachloroethene
CAS Number: 127-18-4



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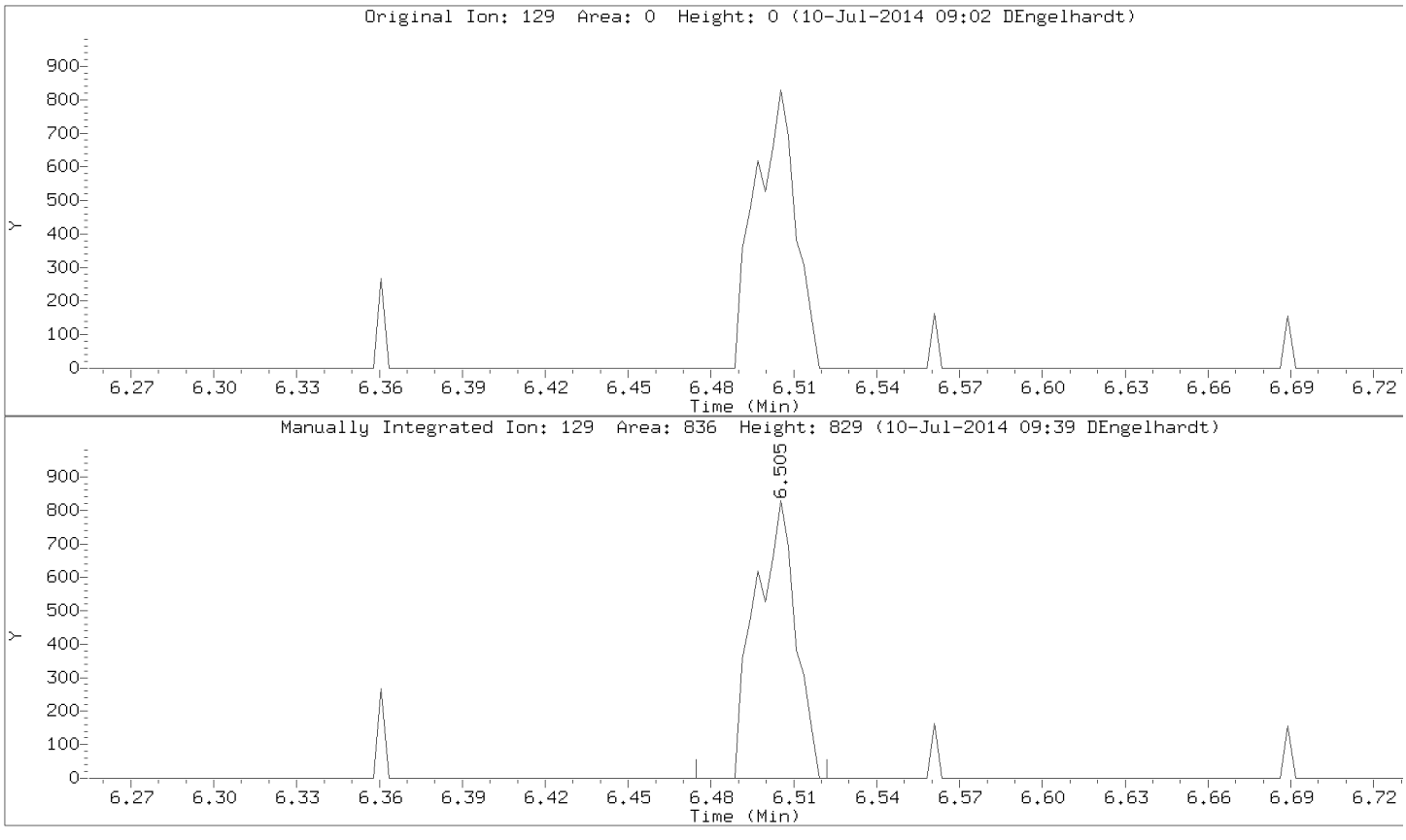
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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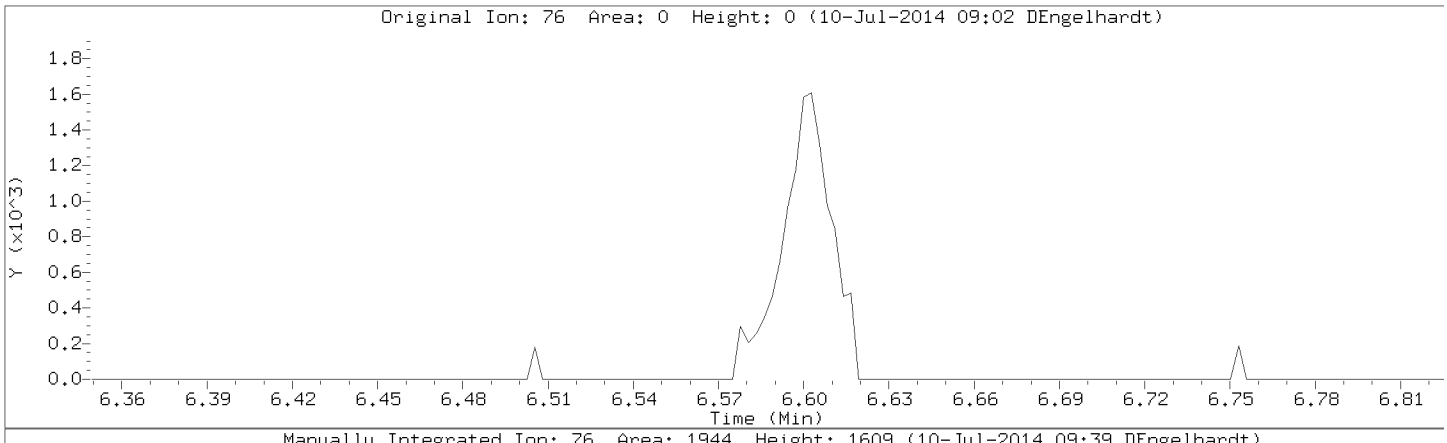
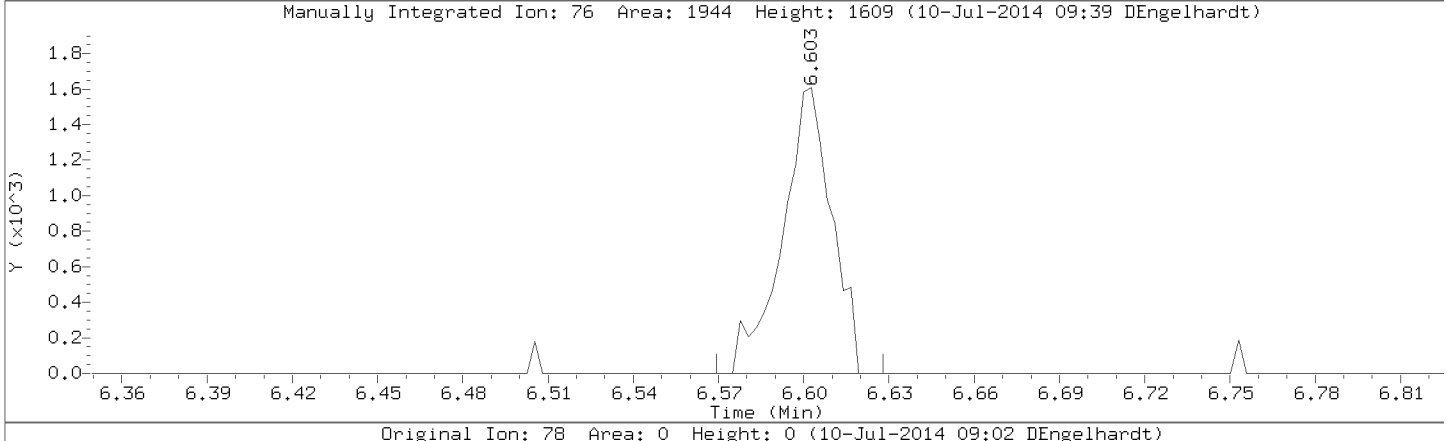
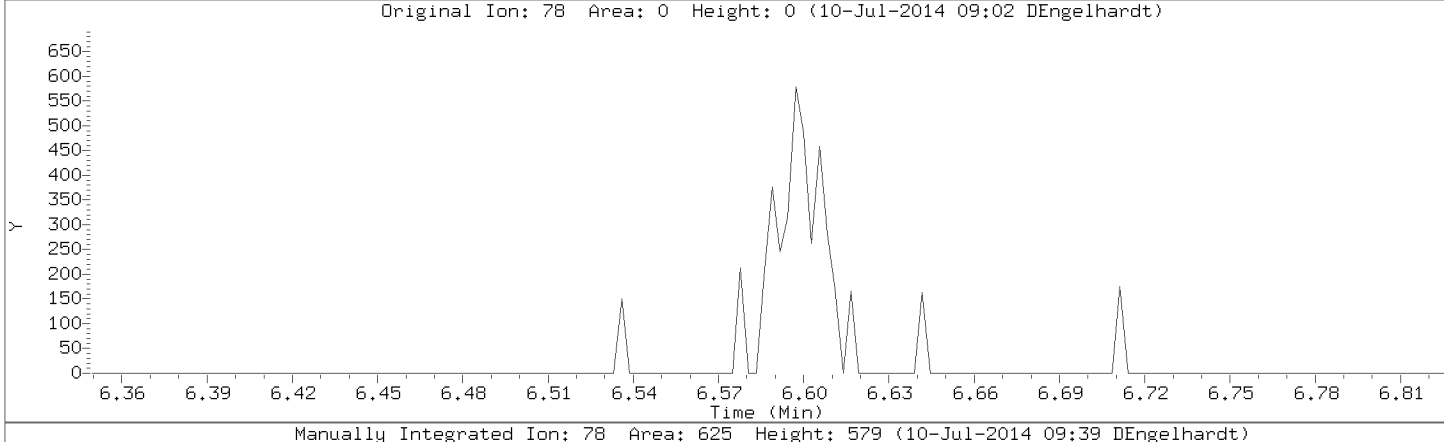
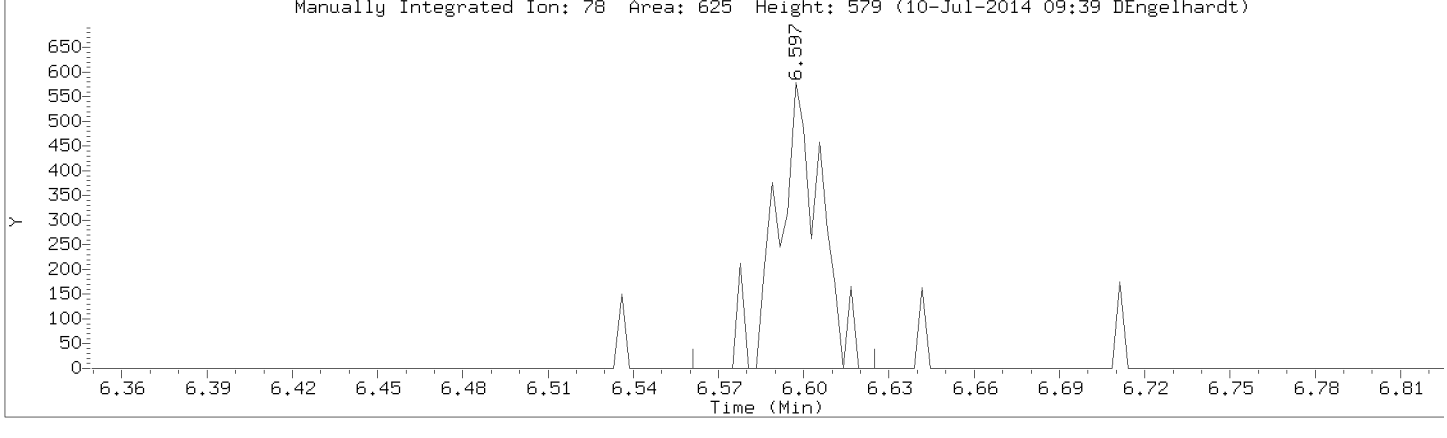
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,3-Dichloropropane
CAS Number: 142-28-9









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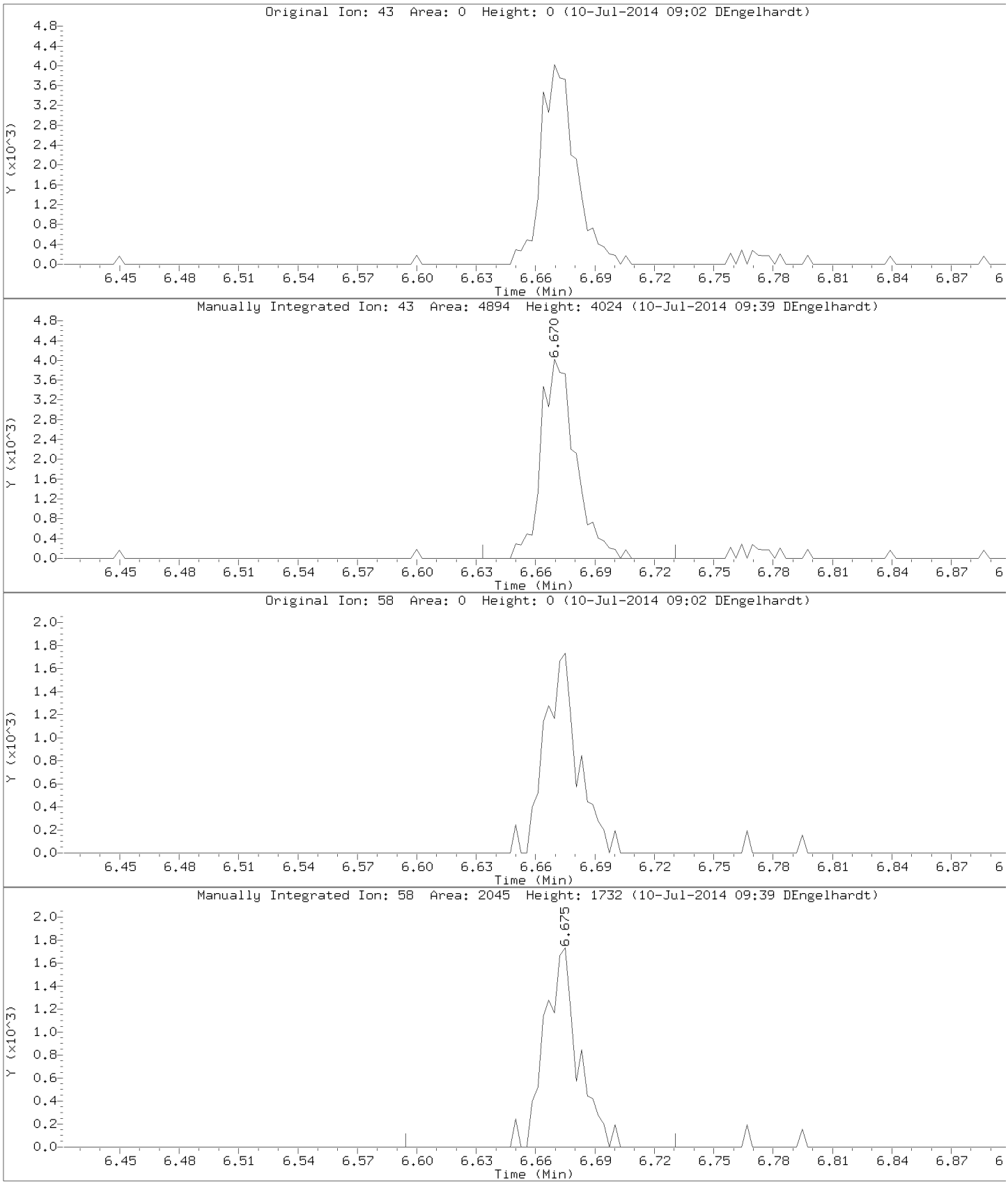
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2-Hexanone
CAS Number: 591-78-6



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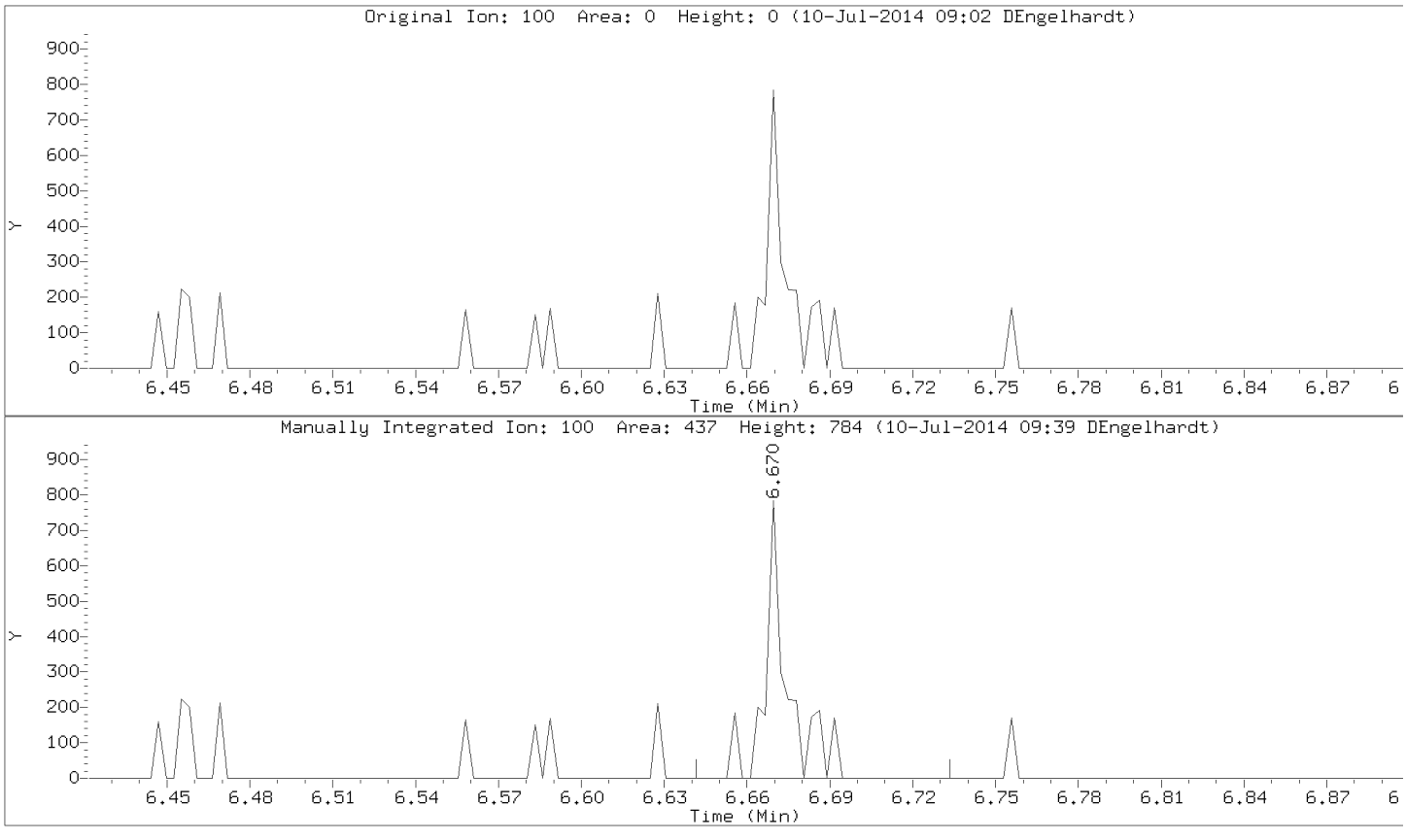
Lab Sample ID: 8260-CAL1,72087:0



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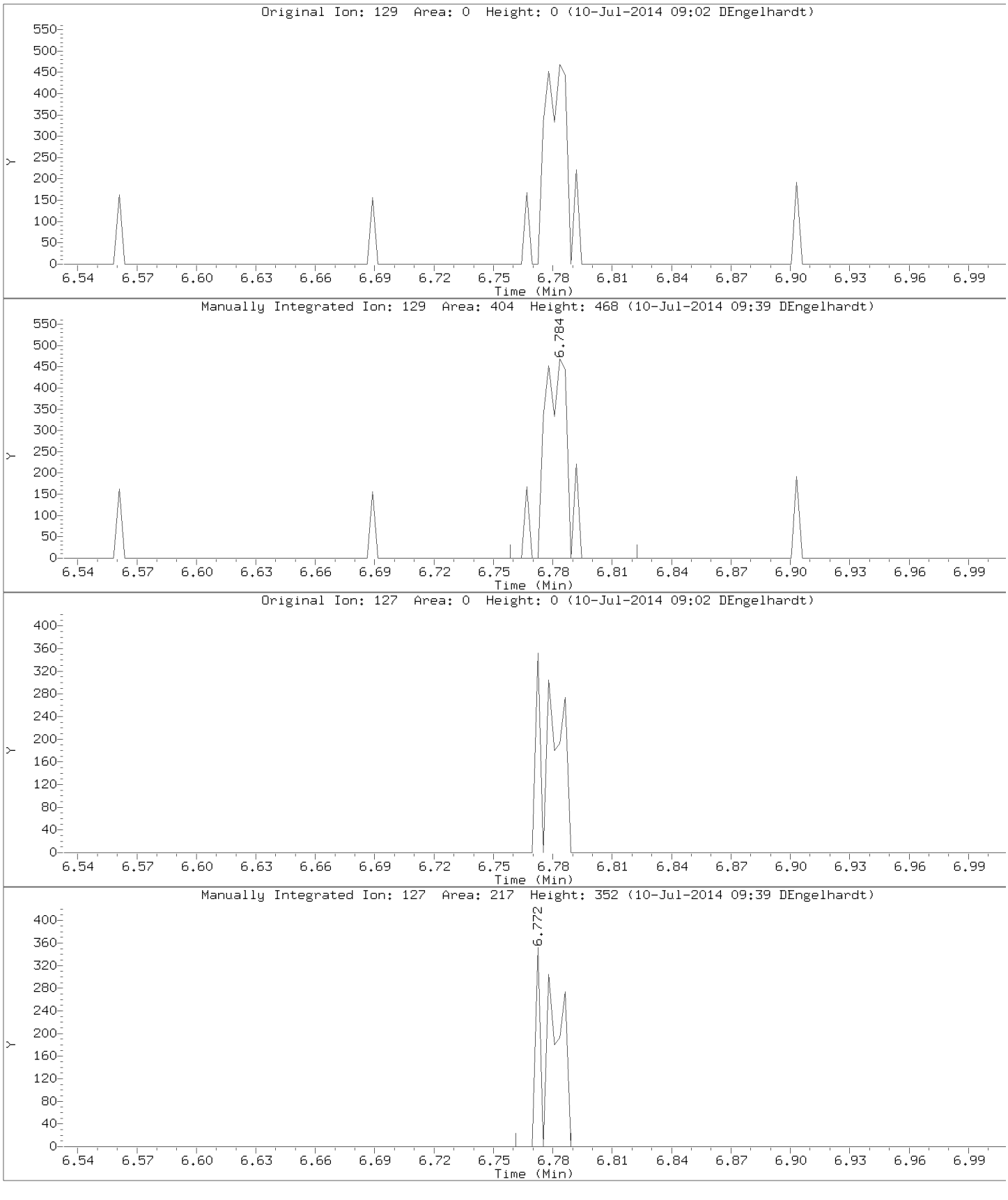
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Dibromochloromethane
CAS Number: 124-48-1



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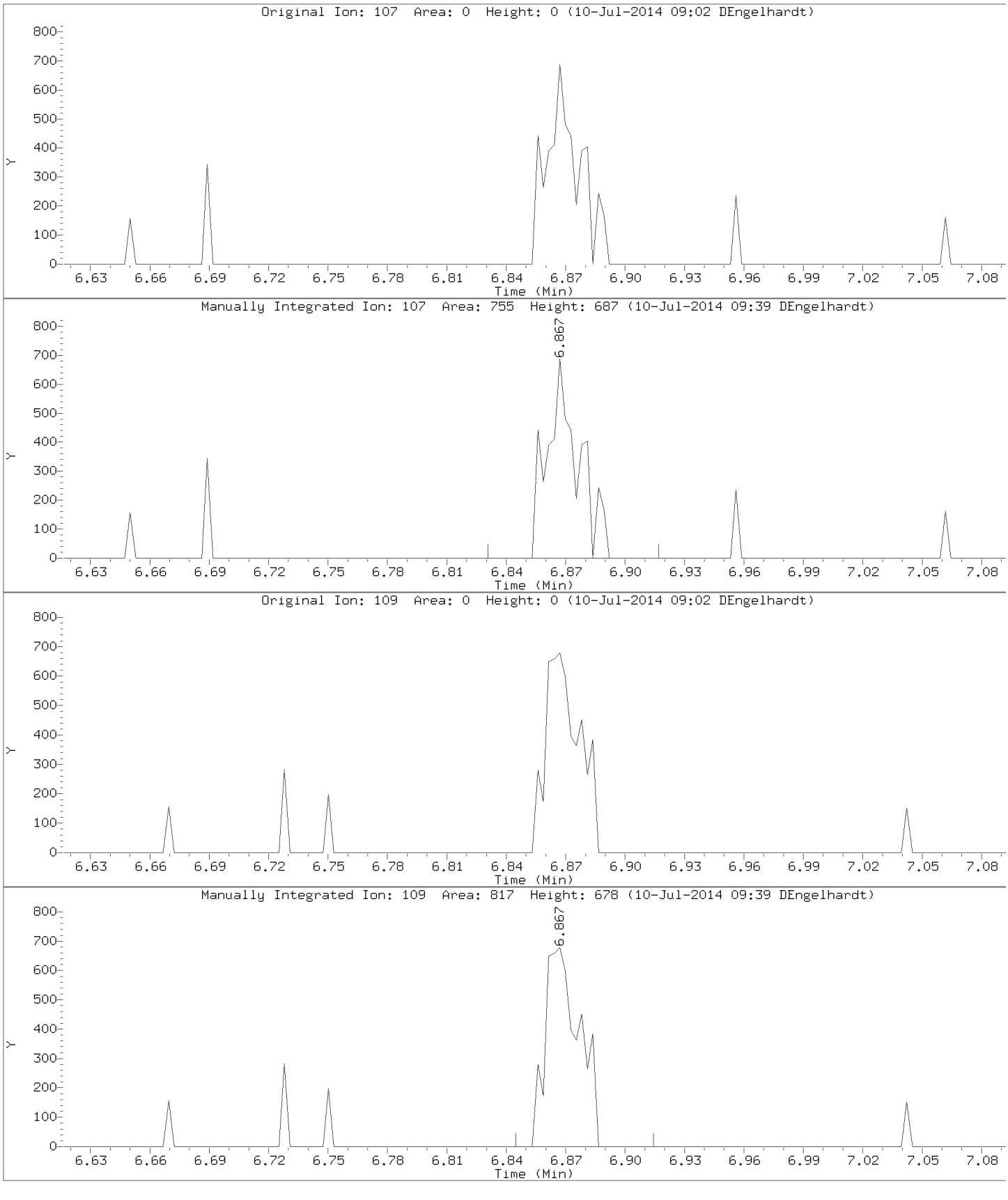
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



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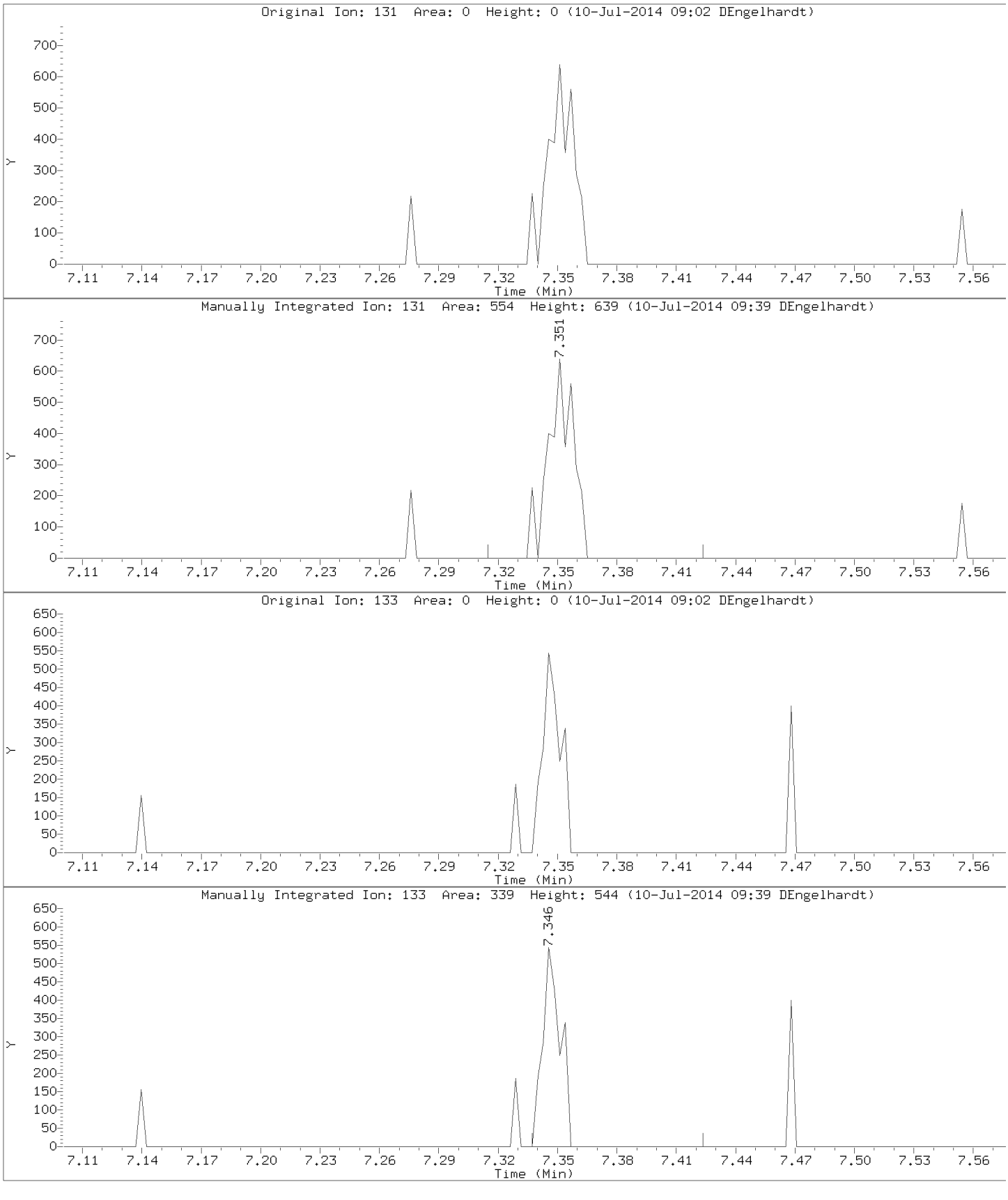
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1,1,2-Tetrachloroethane
CAS Number: 630-20-6



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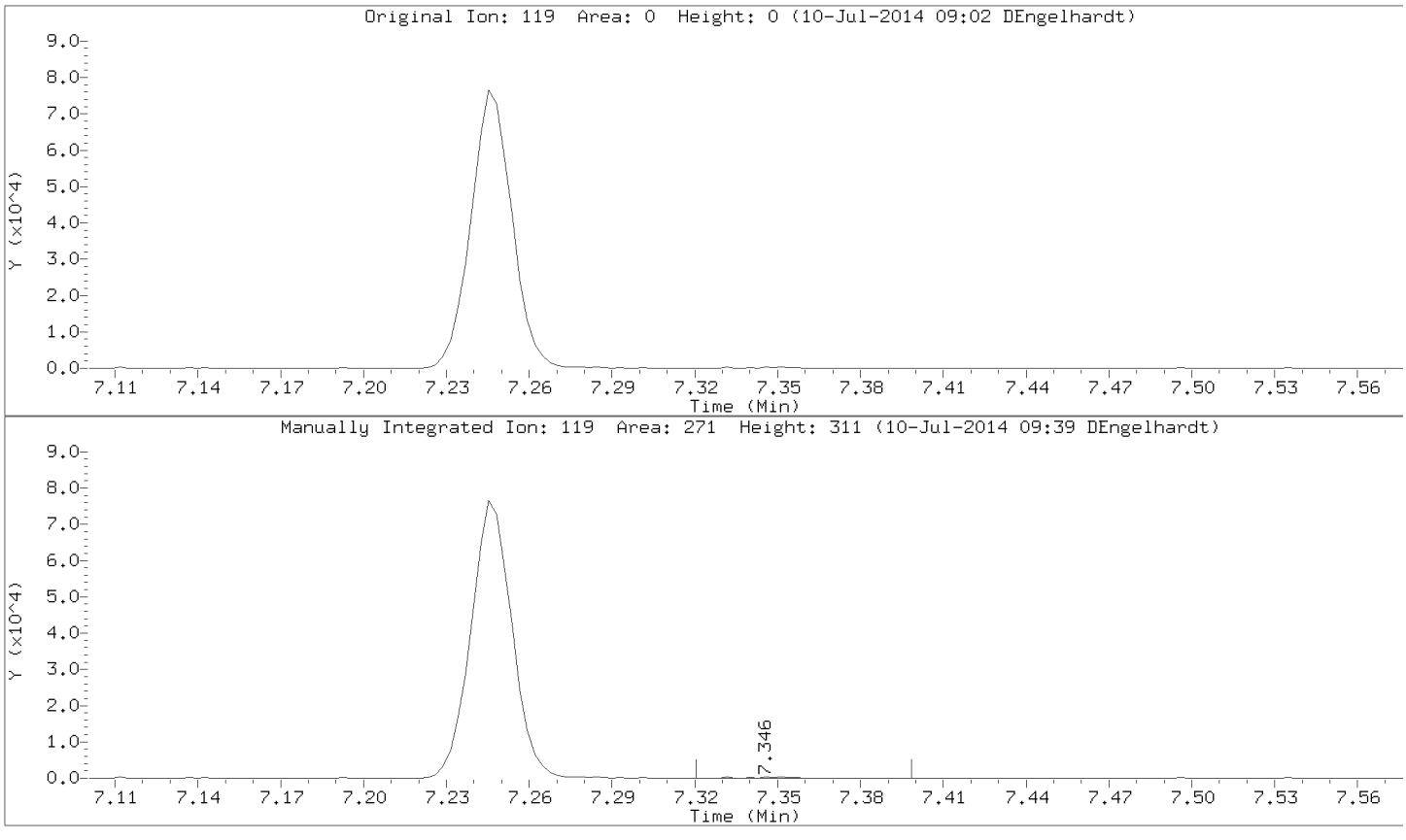
Lab Sample ID: 8260-CAL1,72087:0



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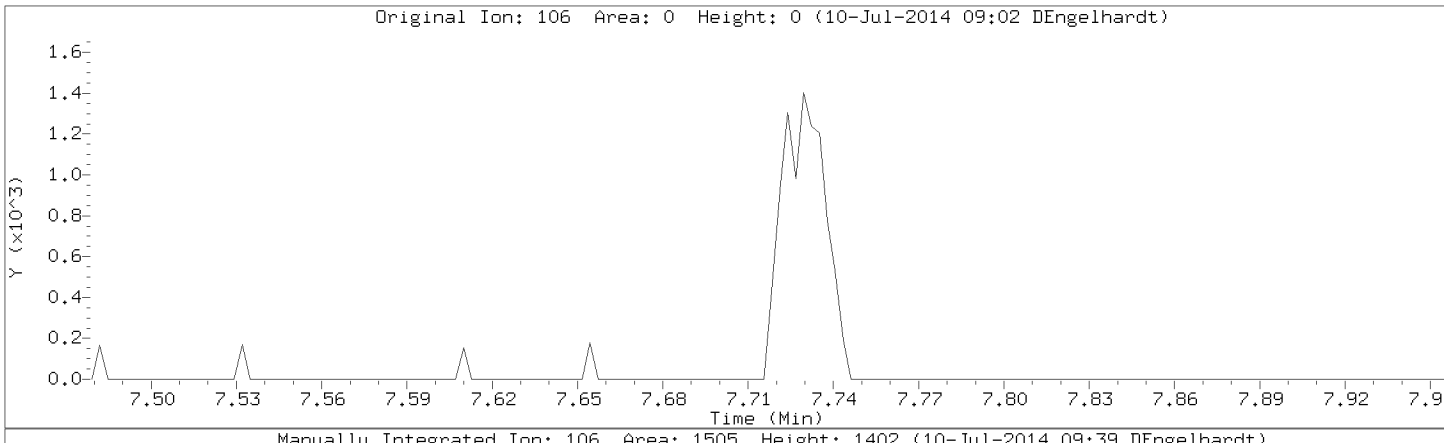
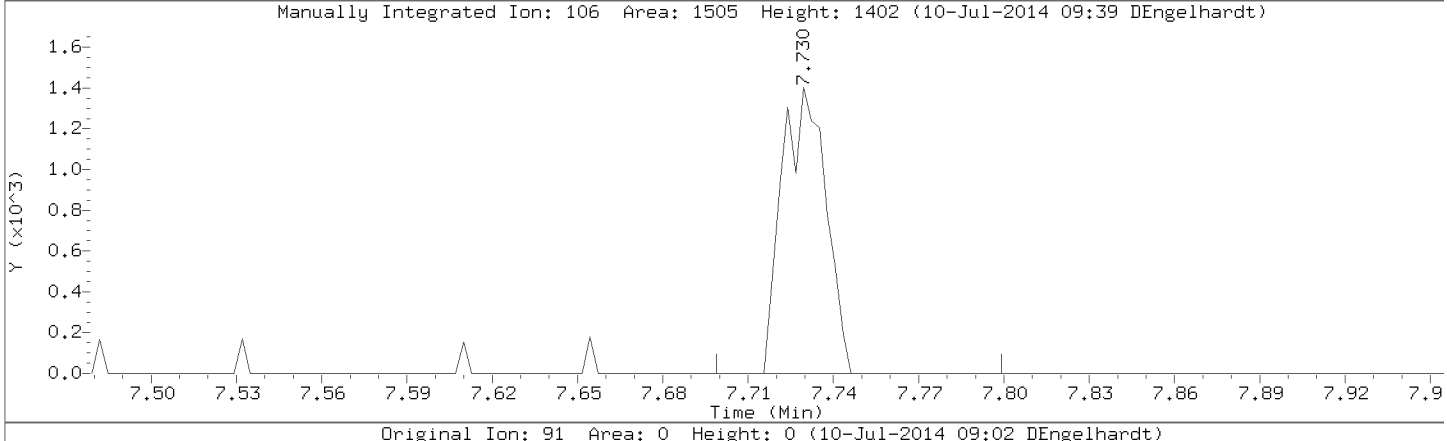
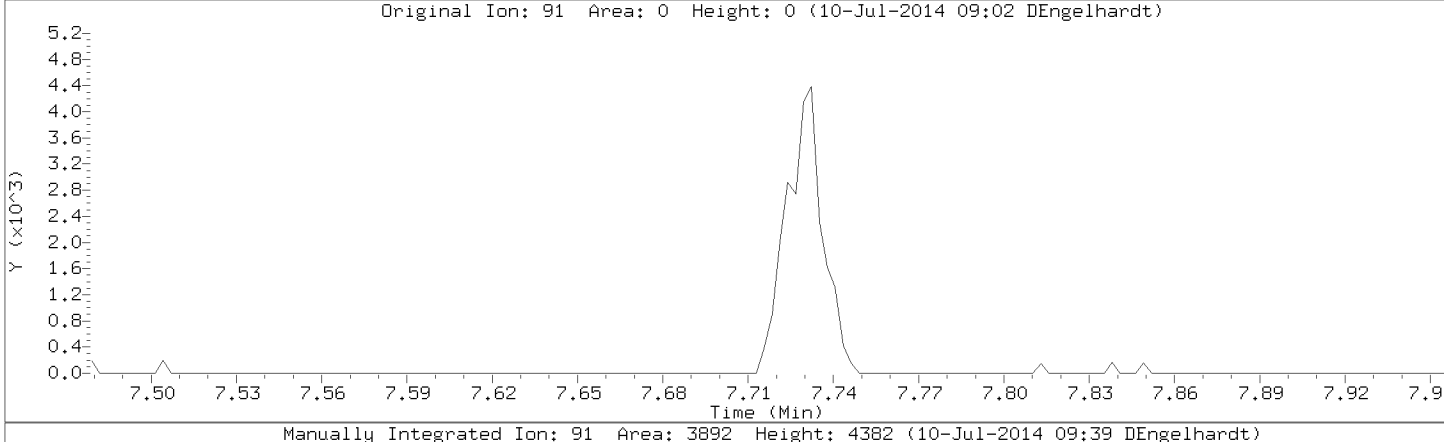
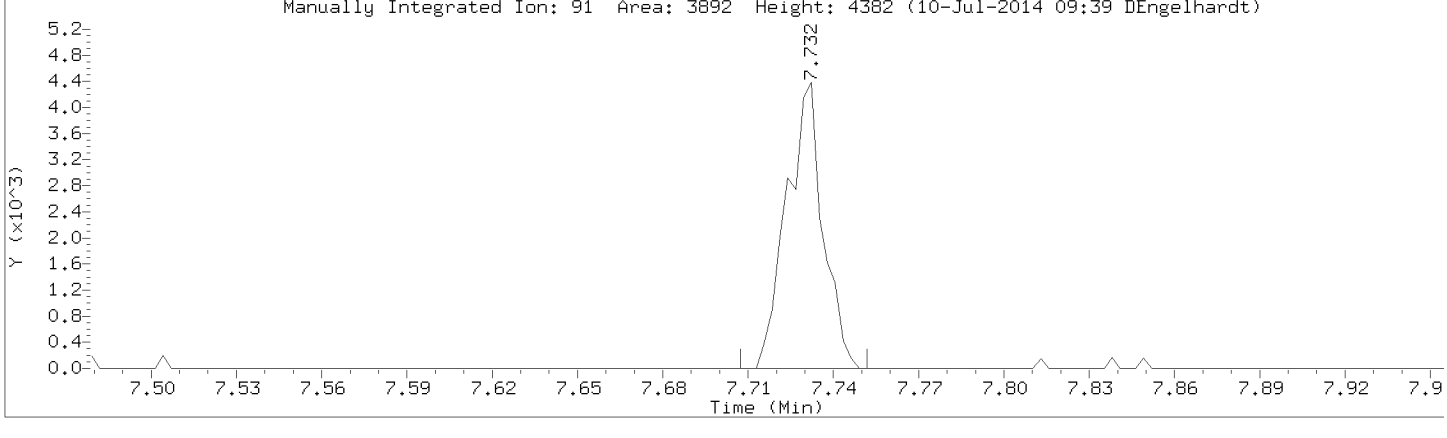
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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









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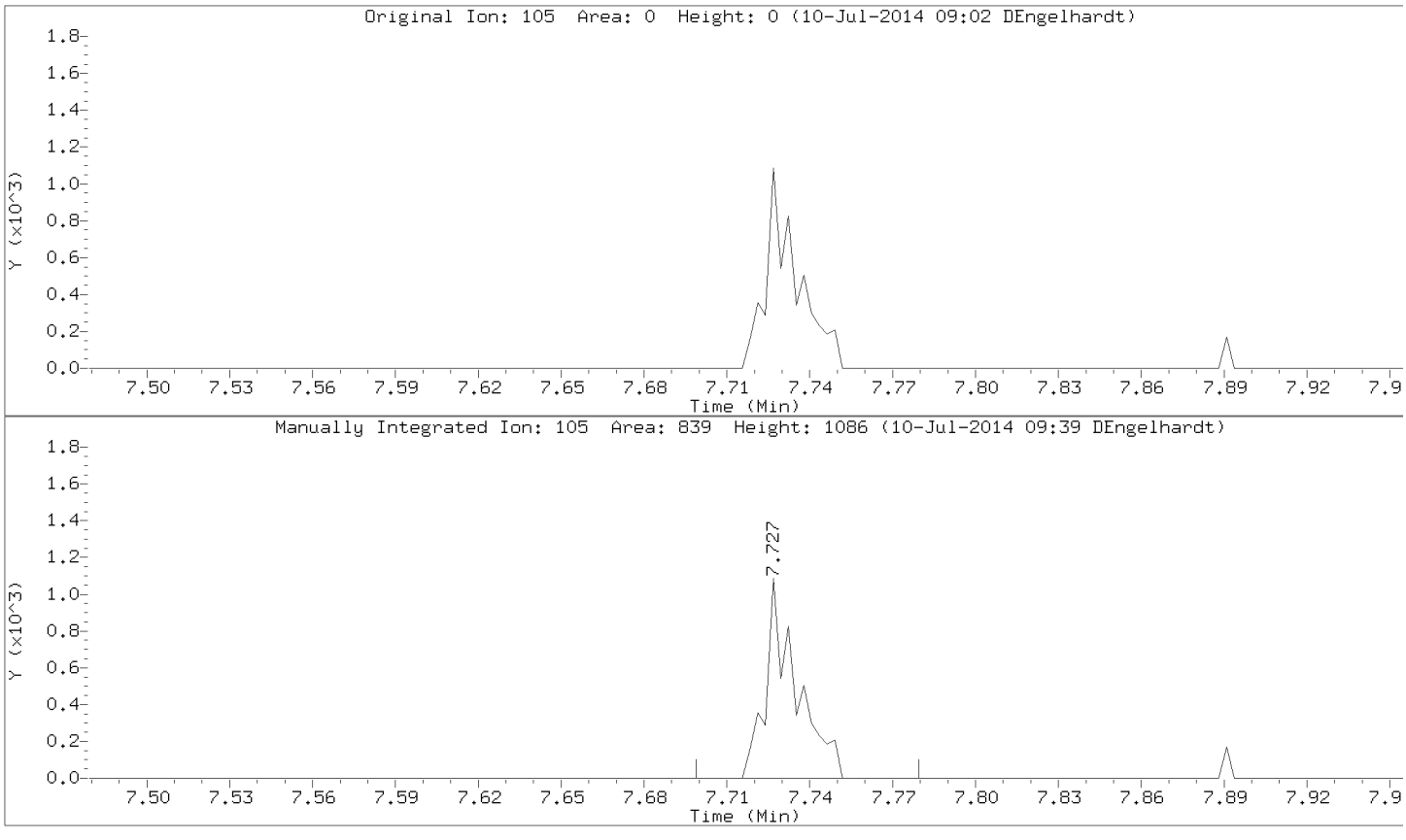

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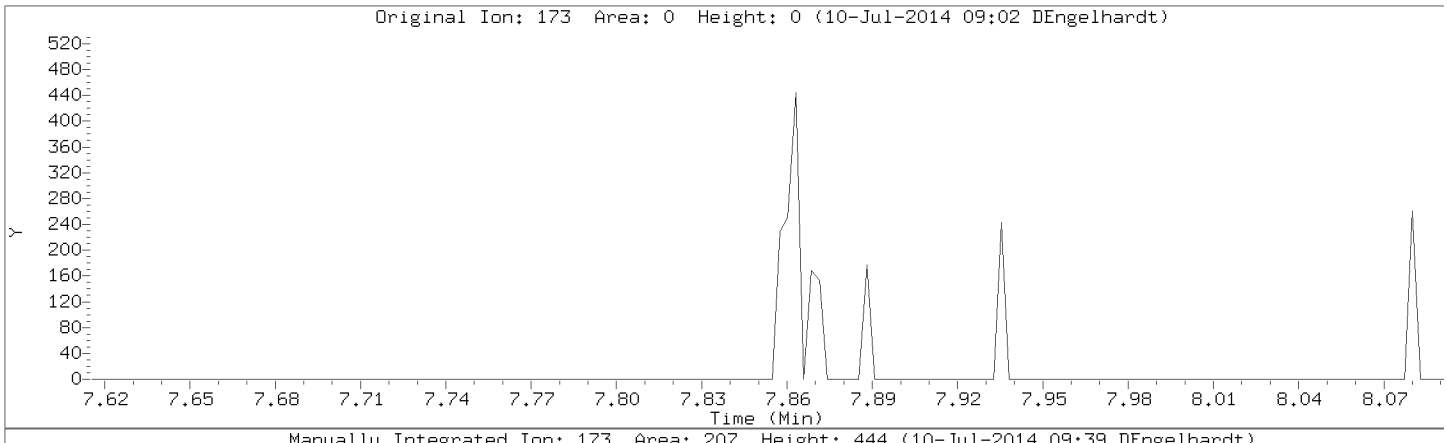
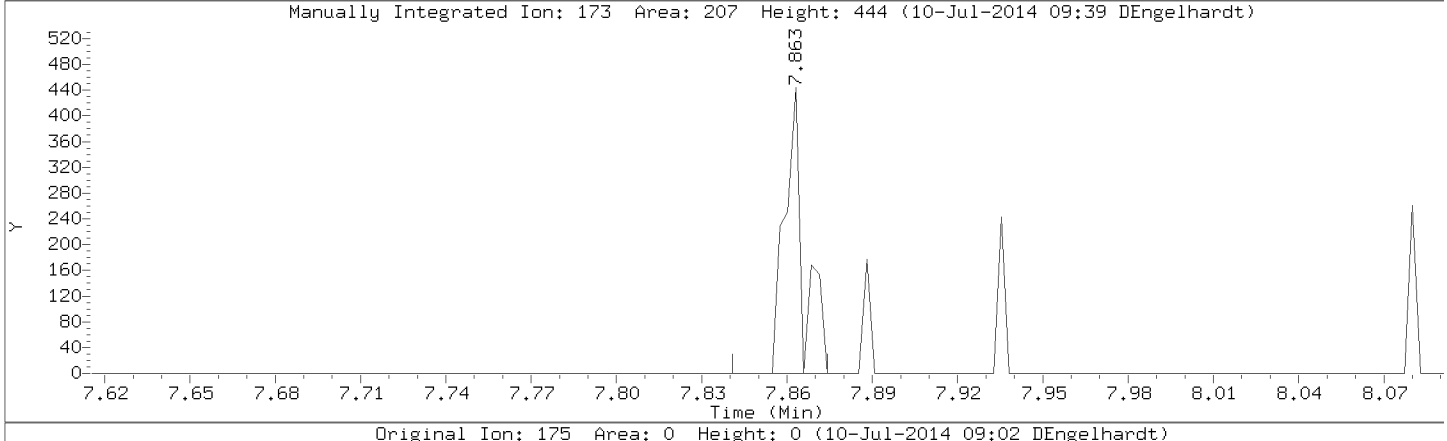
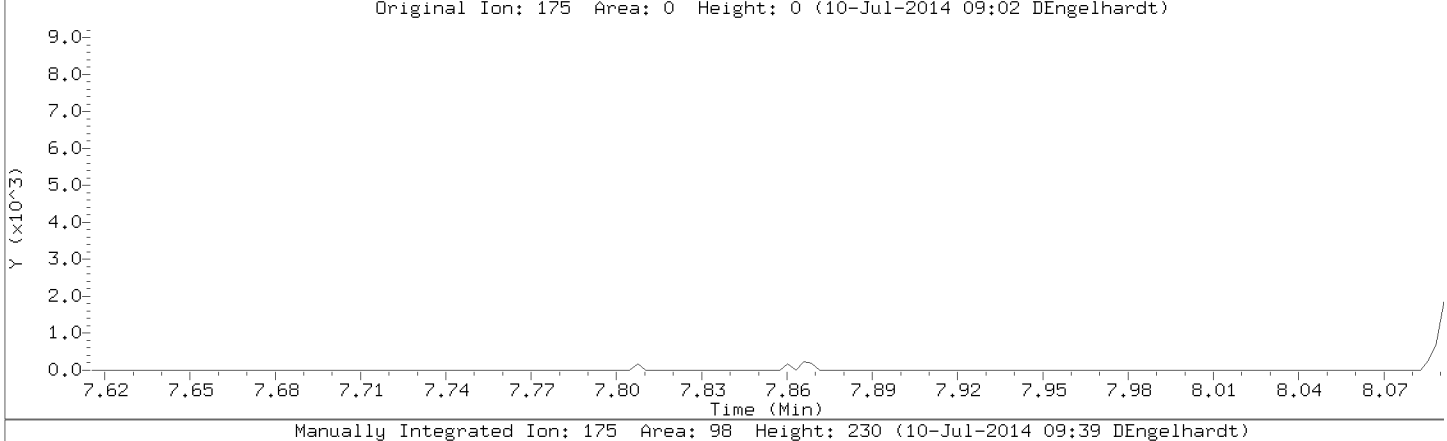
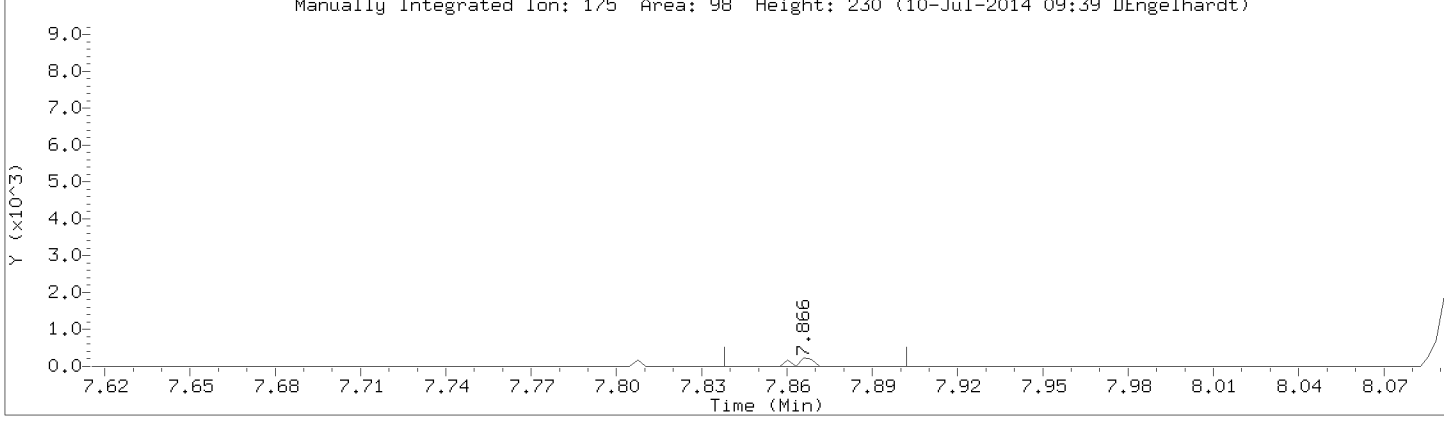
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Bromoform
CAS Number: 75-25-2









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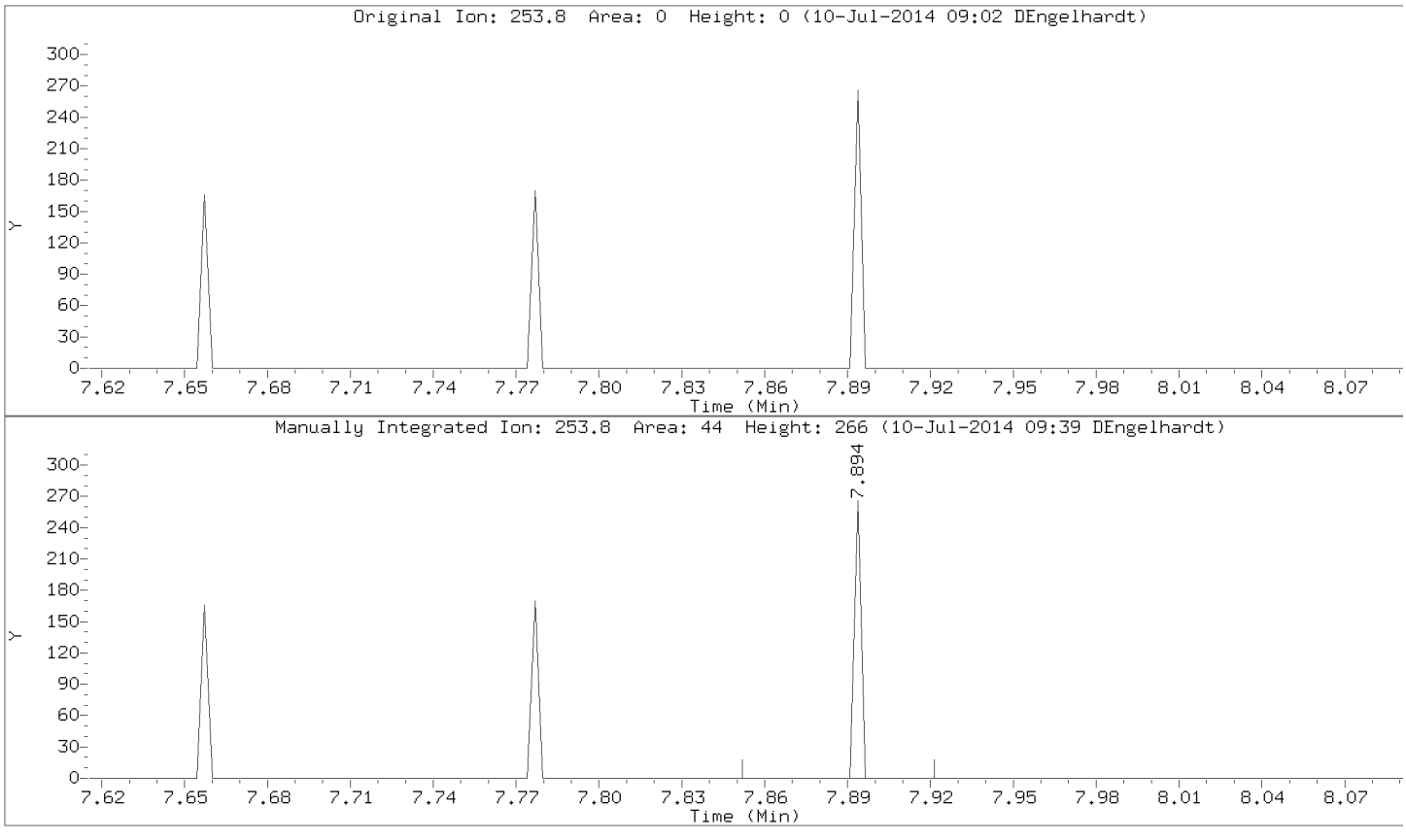
Lab Sample ID: 8260-CAL1,72087:0



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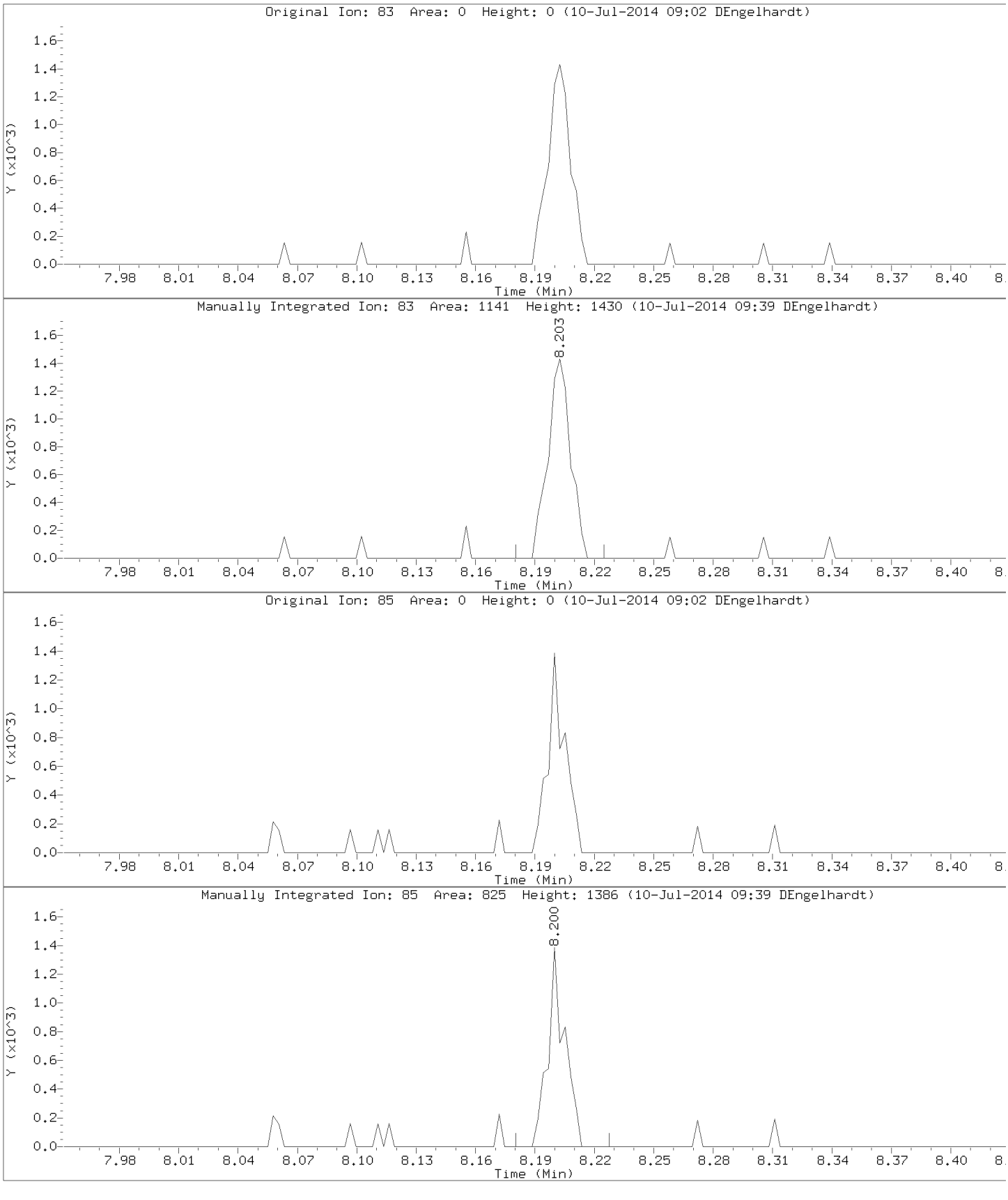
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5



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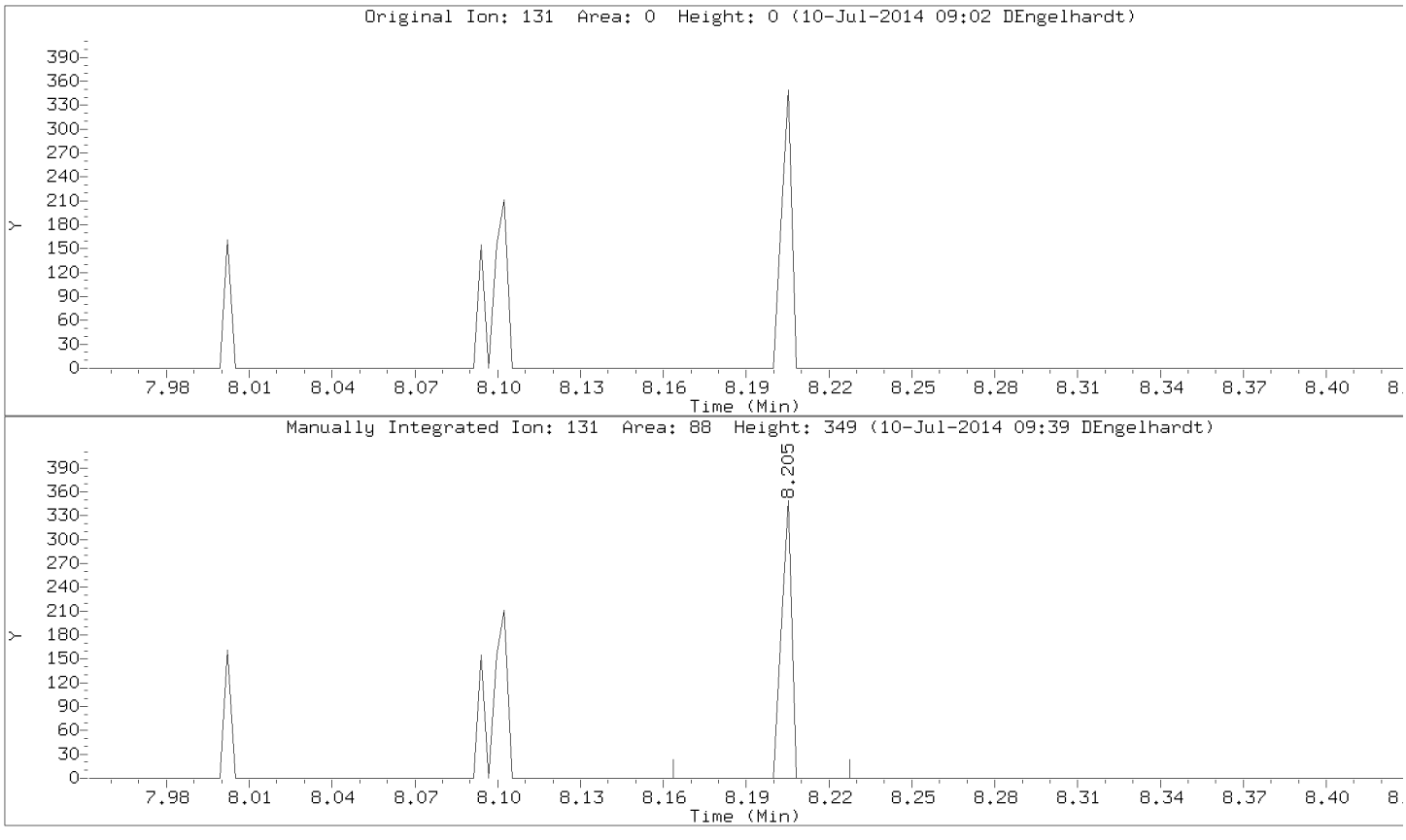
Lab Sample ID: 8260-CAL1,72087:0



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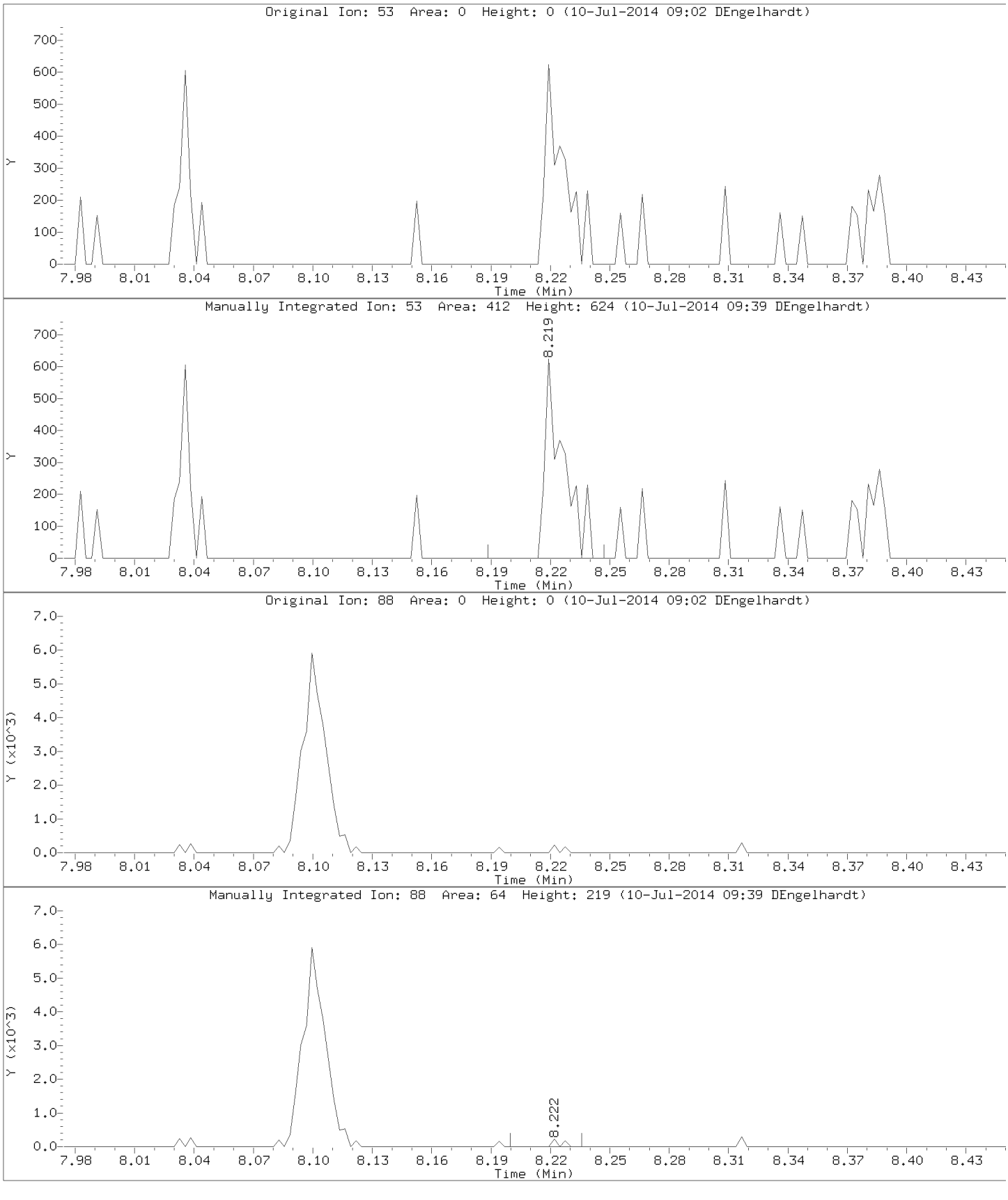
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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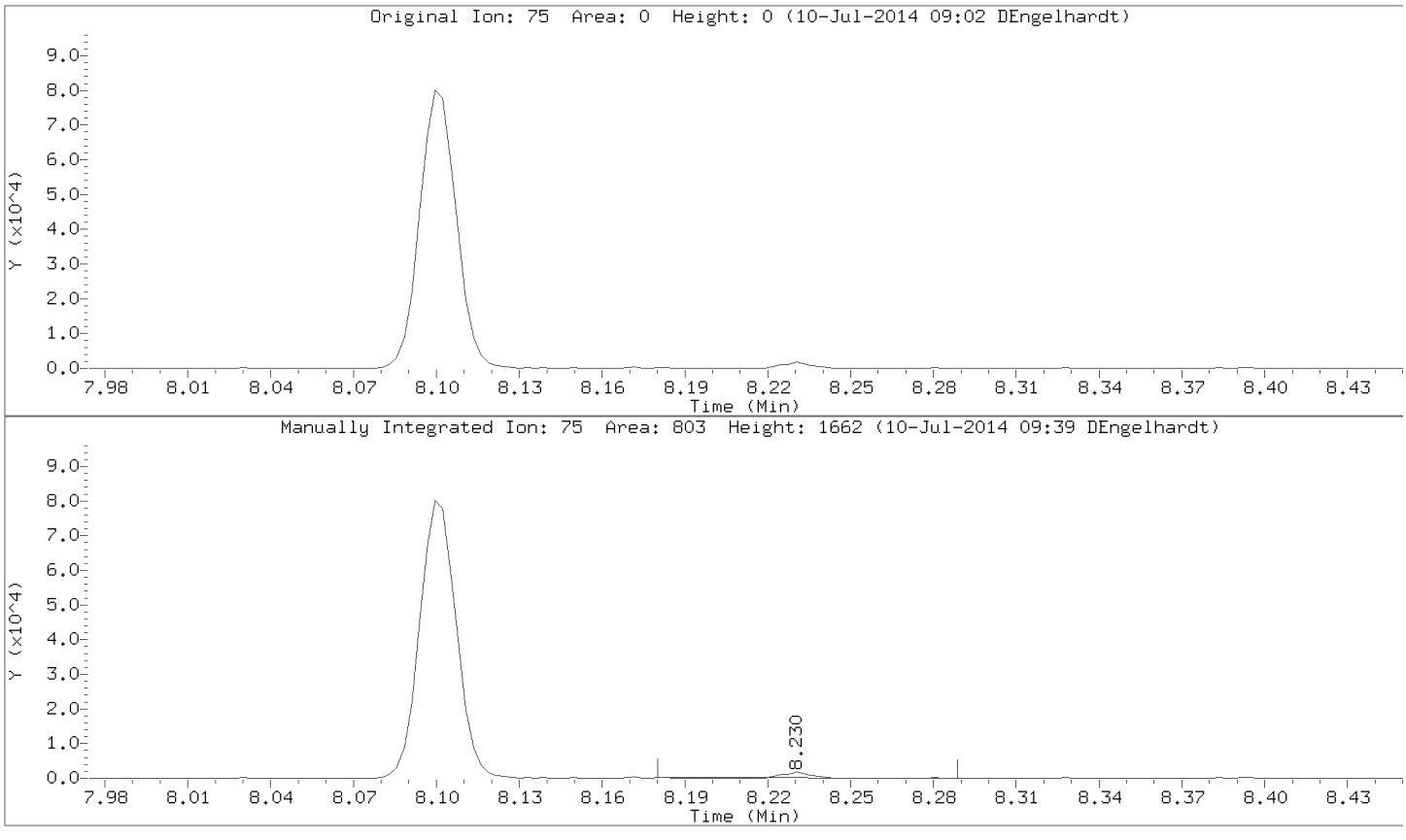
Lab Sample ID: 8260-CAL1,72087:0



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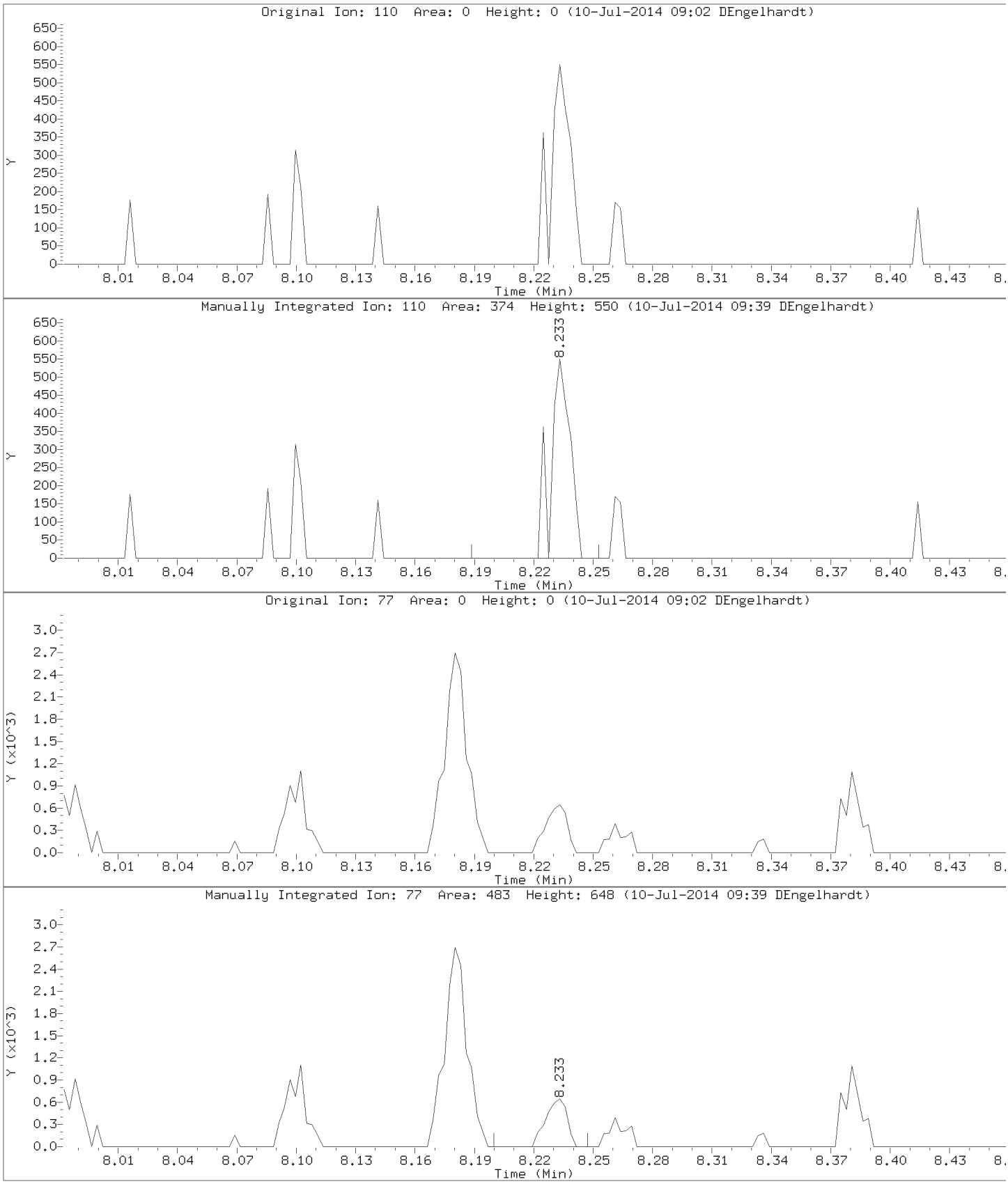
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4



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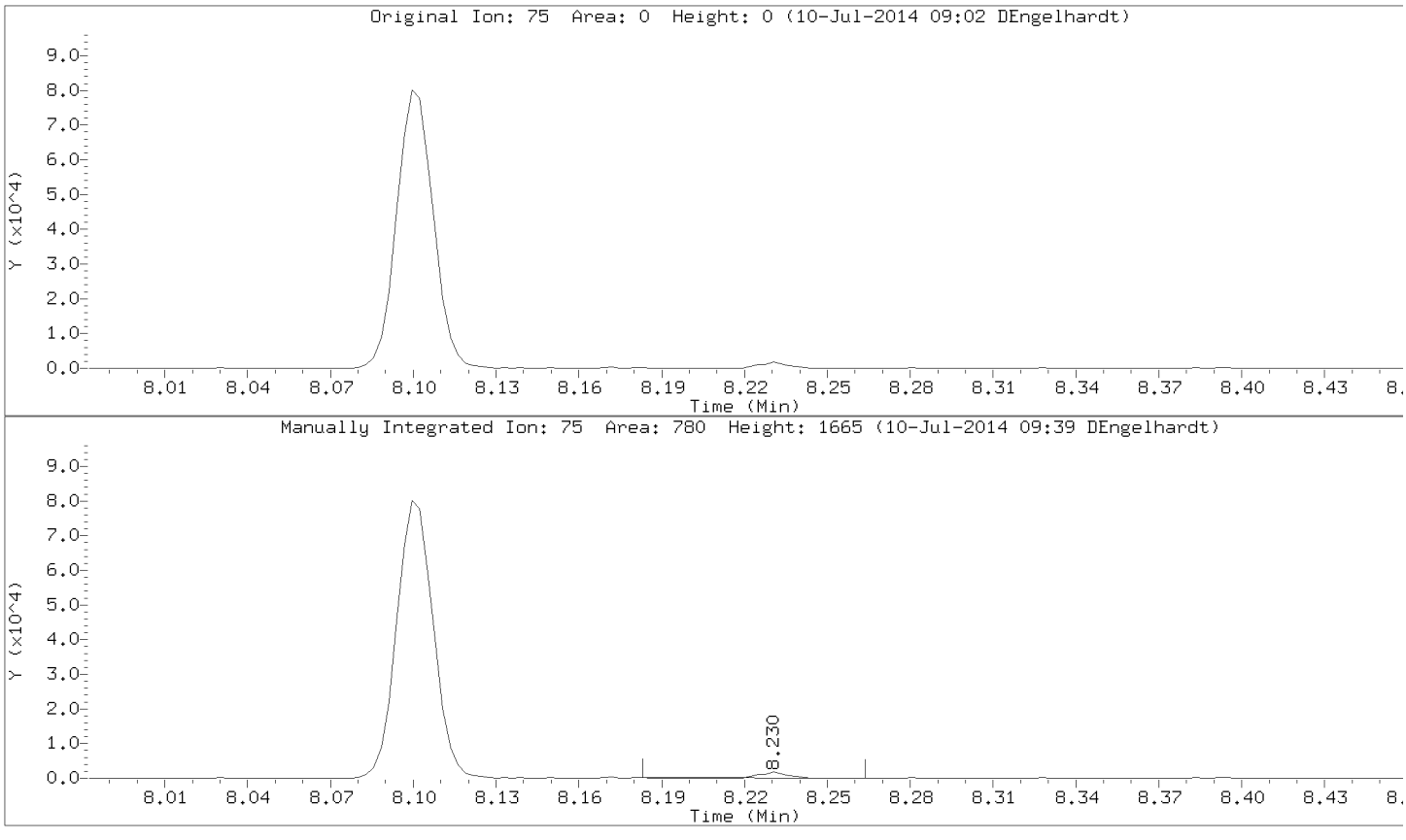
Lab Sample ID: 8260-CAL1,72087:0



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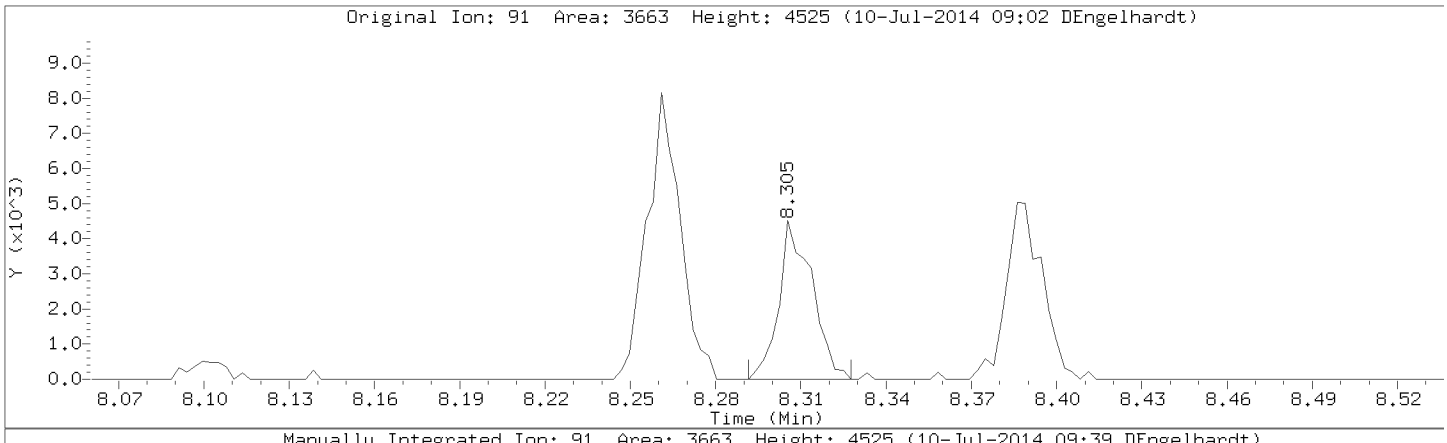
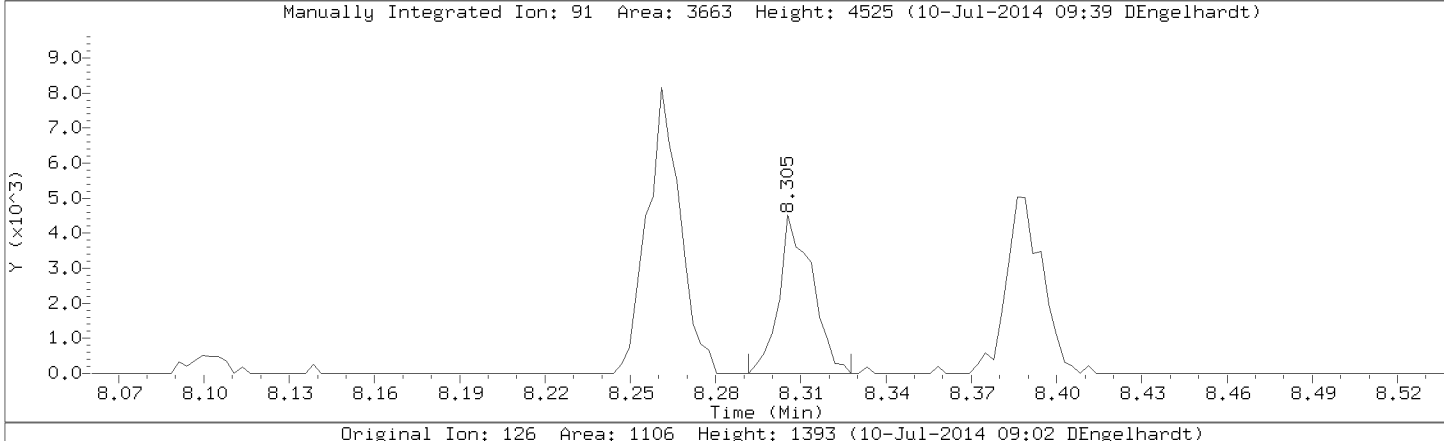
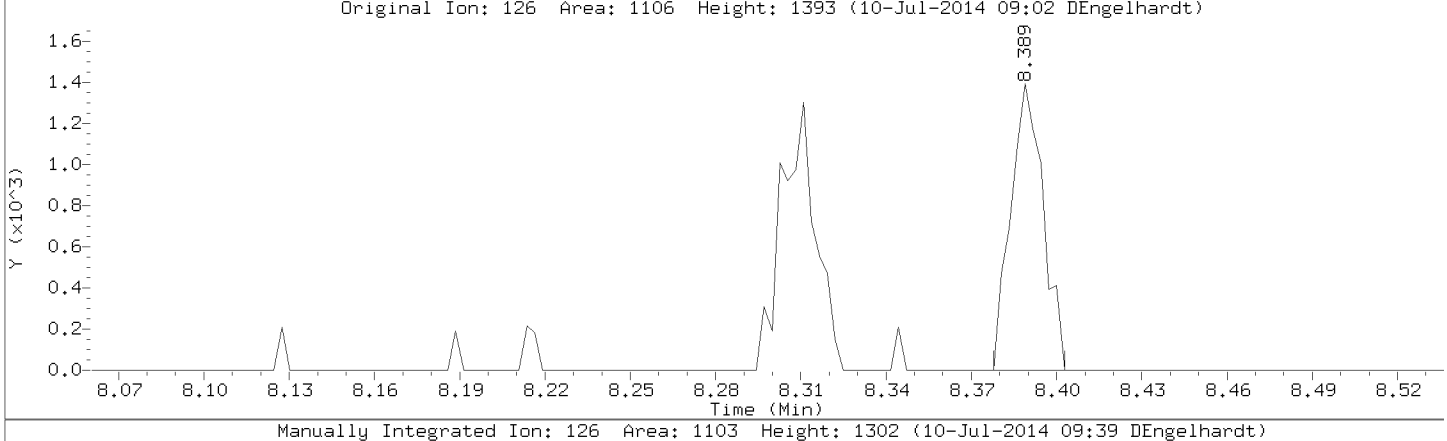
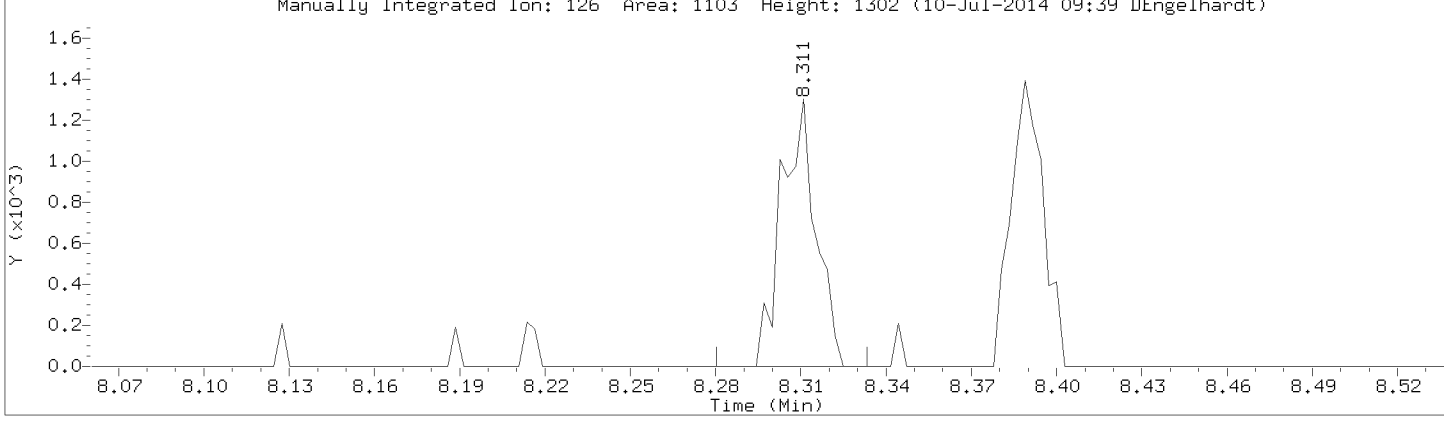
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2-Chlorotoluene
CAS Number: 95-49-8



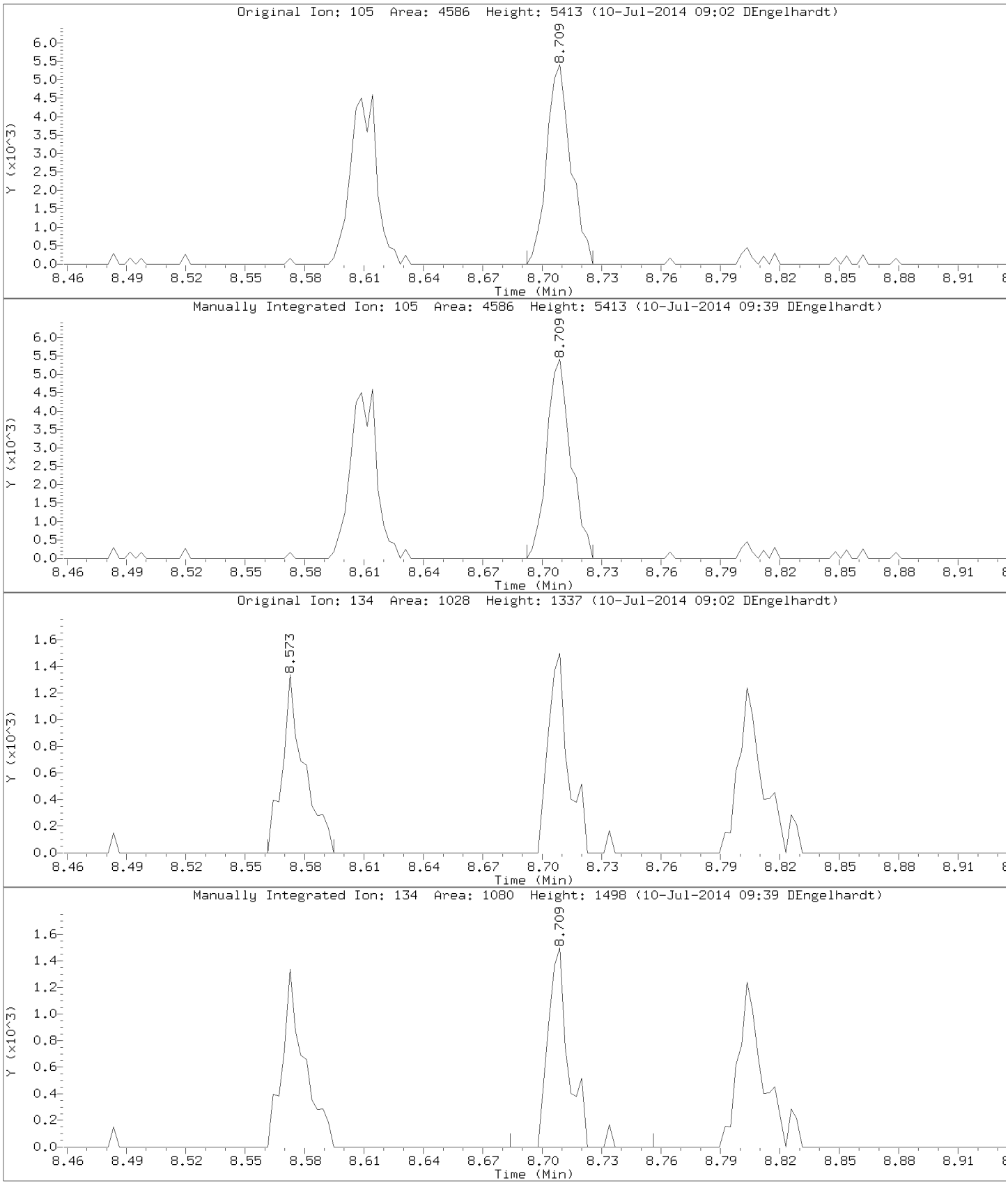






Data File: \\192.168.50.6\chem\50mv2a.i\A070914.B/a06cal1.d
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: sec-Butylbenzene
CAS Number: 135-98-8



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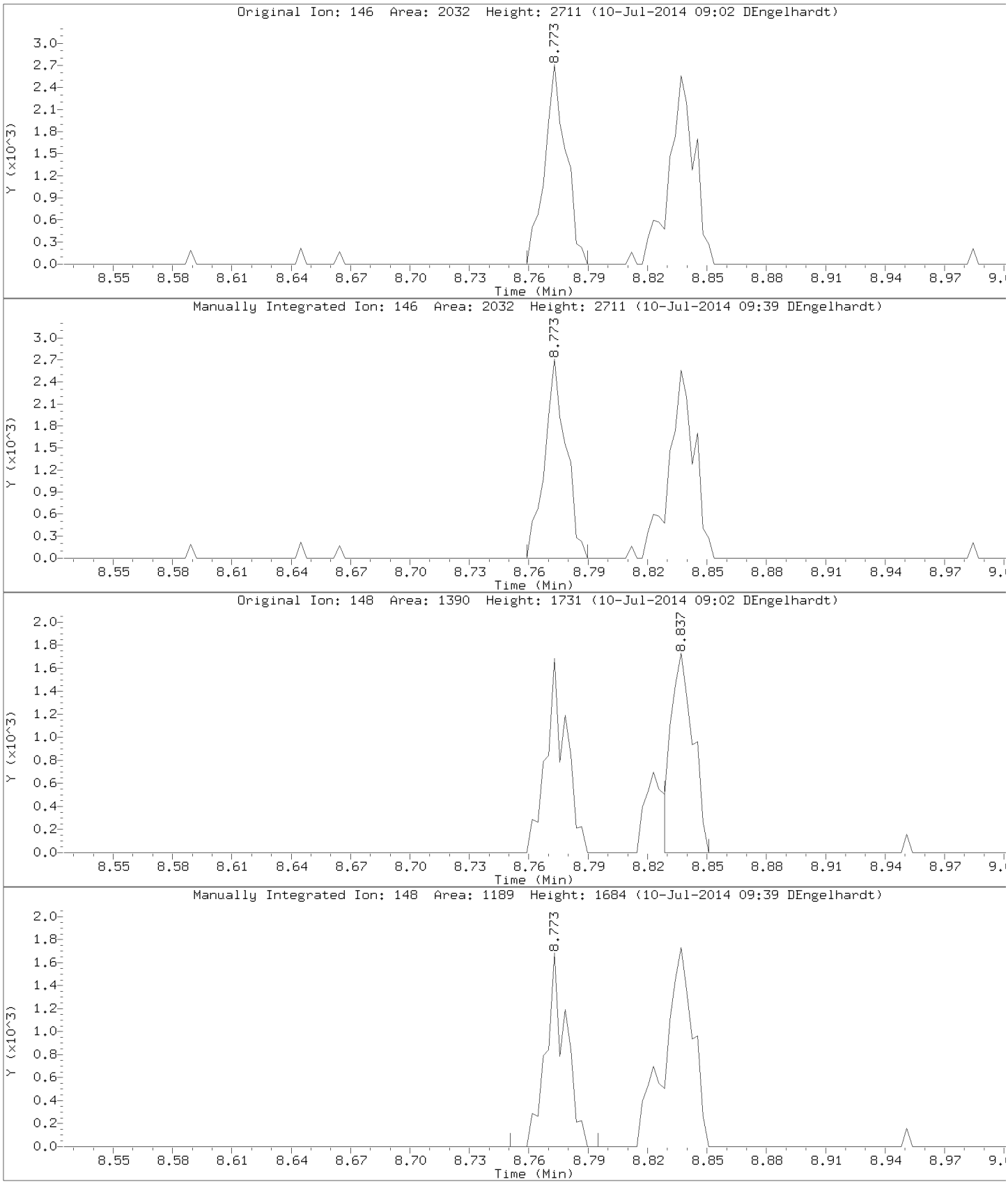
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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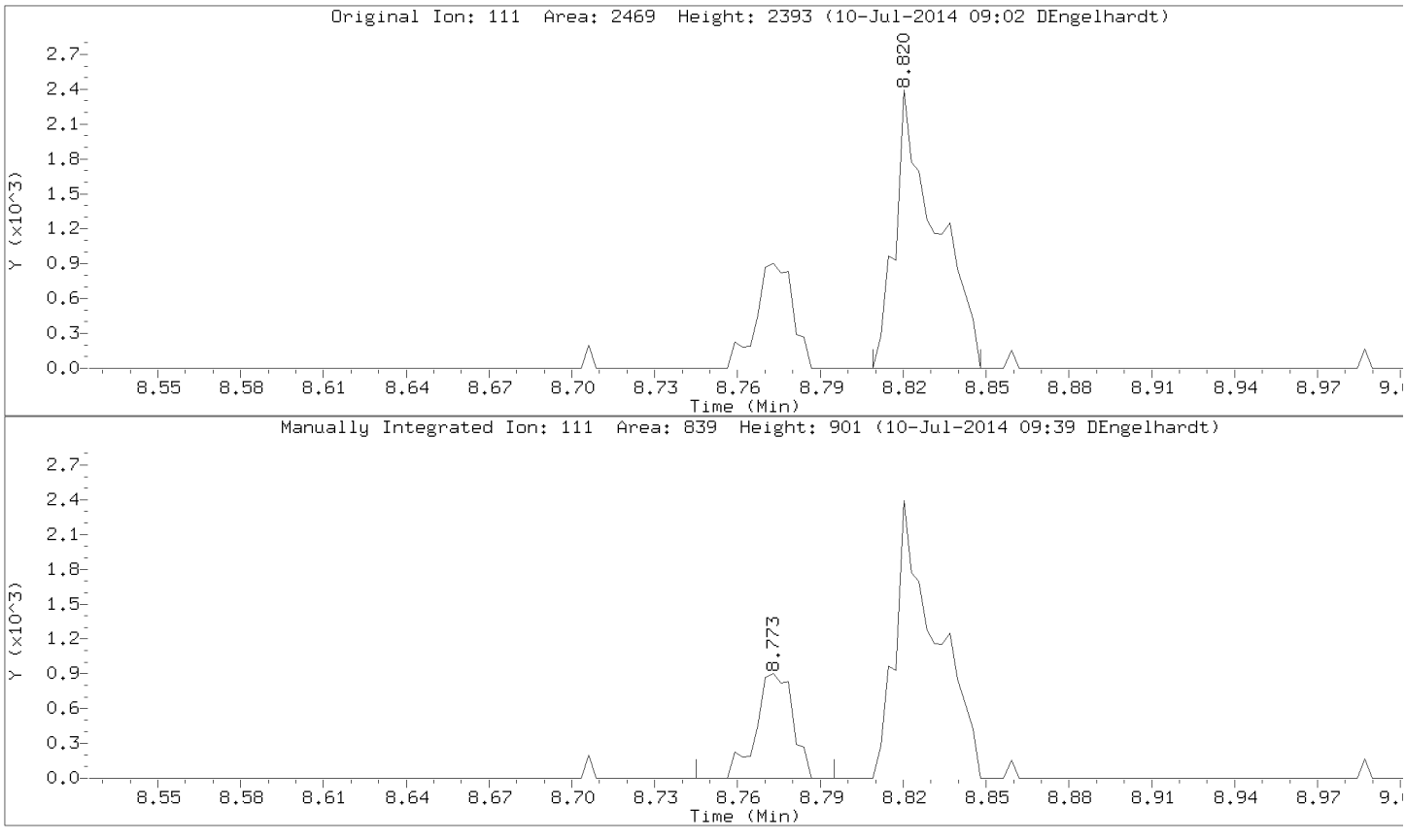
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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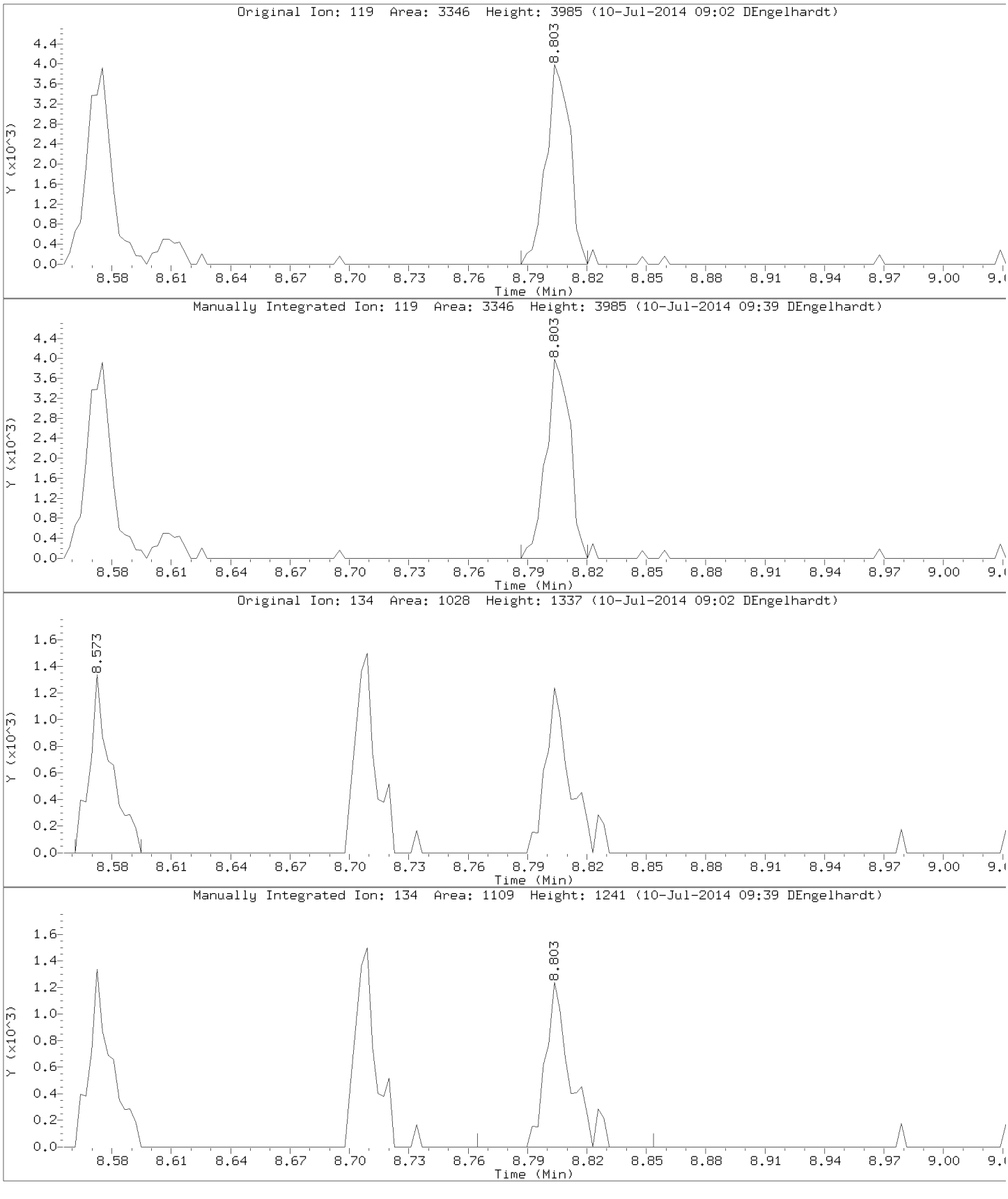
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: p-Isopropyltoluene
CAS Number: 99-87-6



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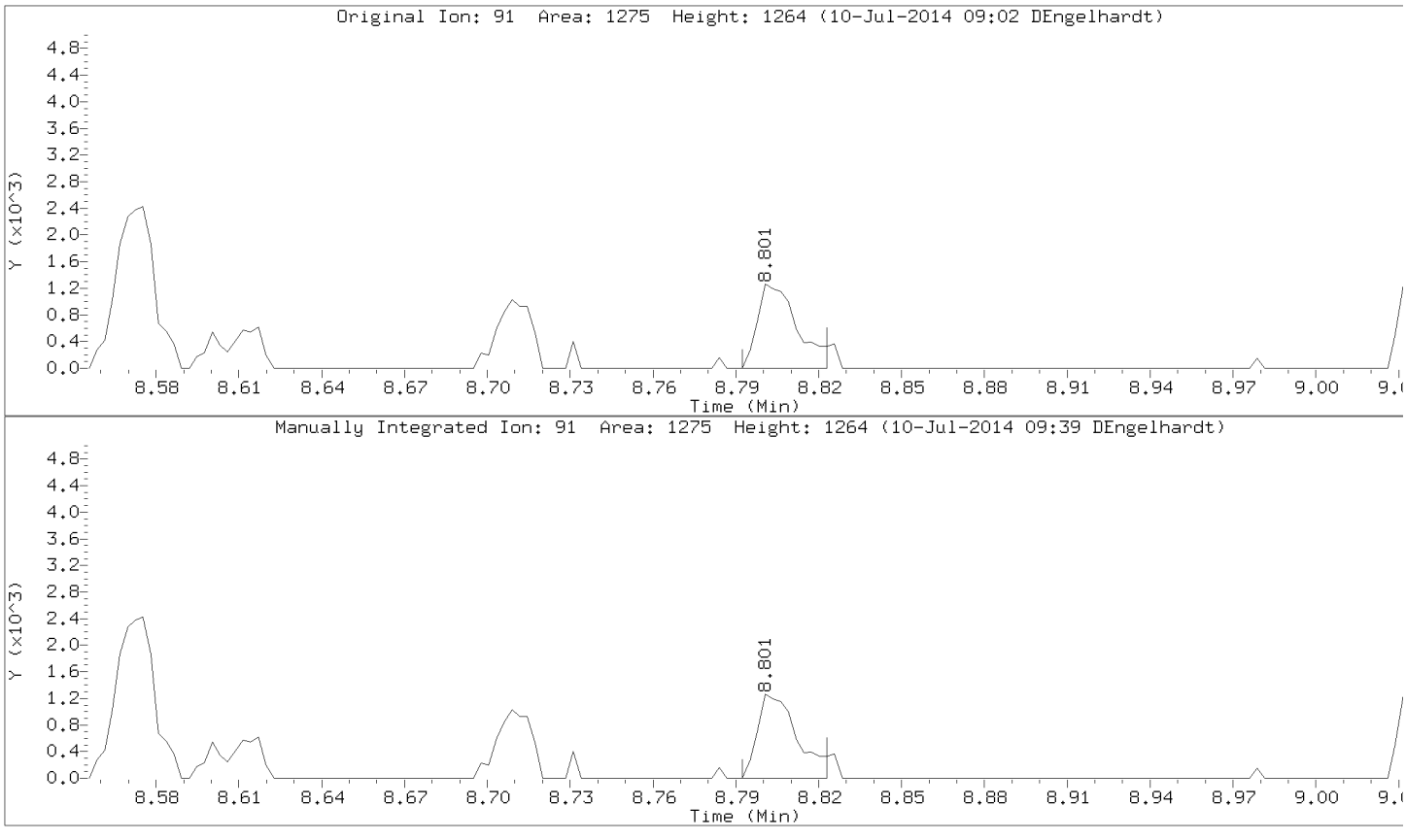
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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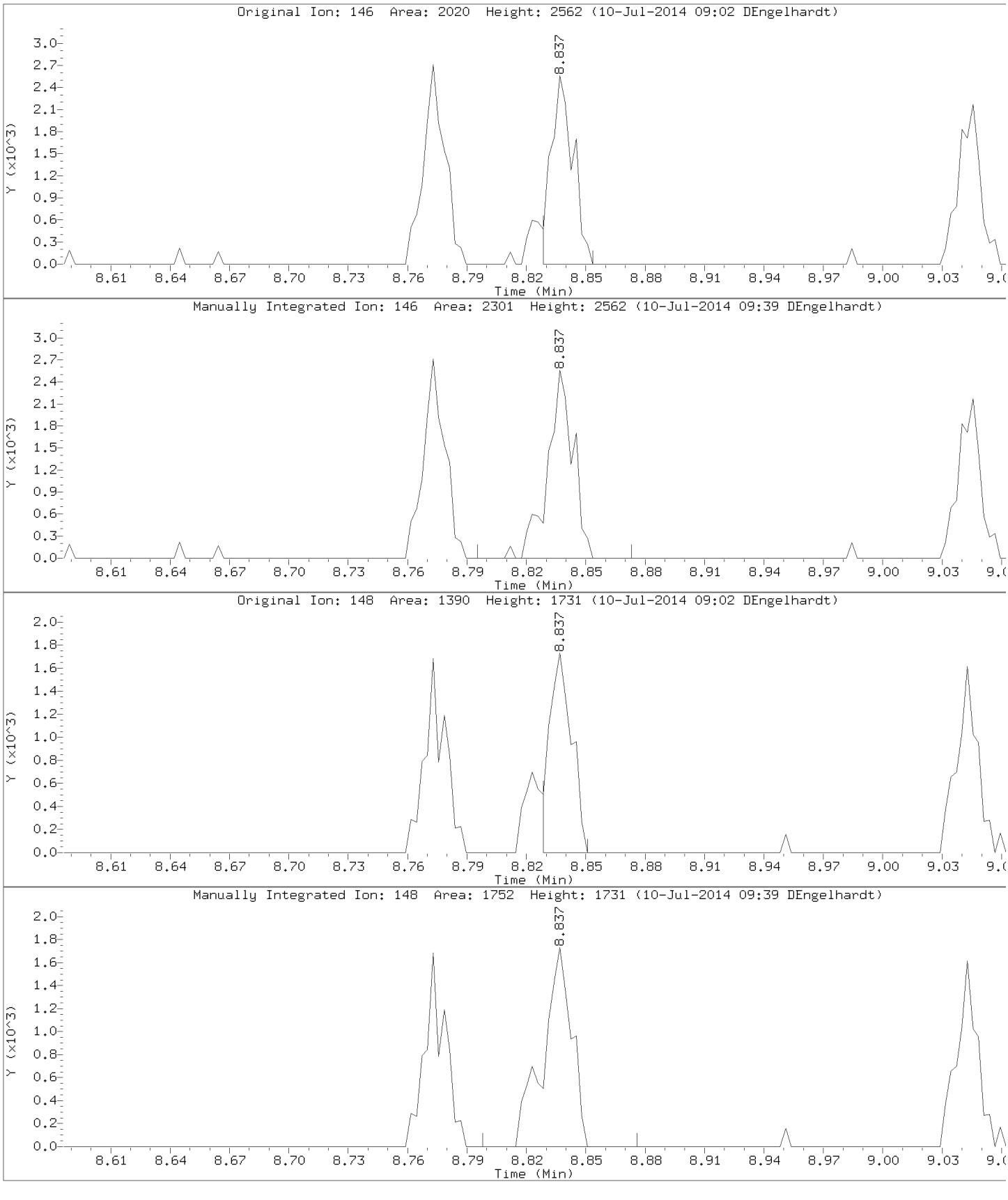
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,4-Dichlorobenzene
CAS Number: 106-46-7



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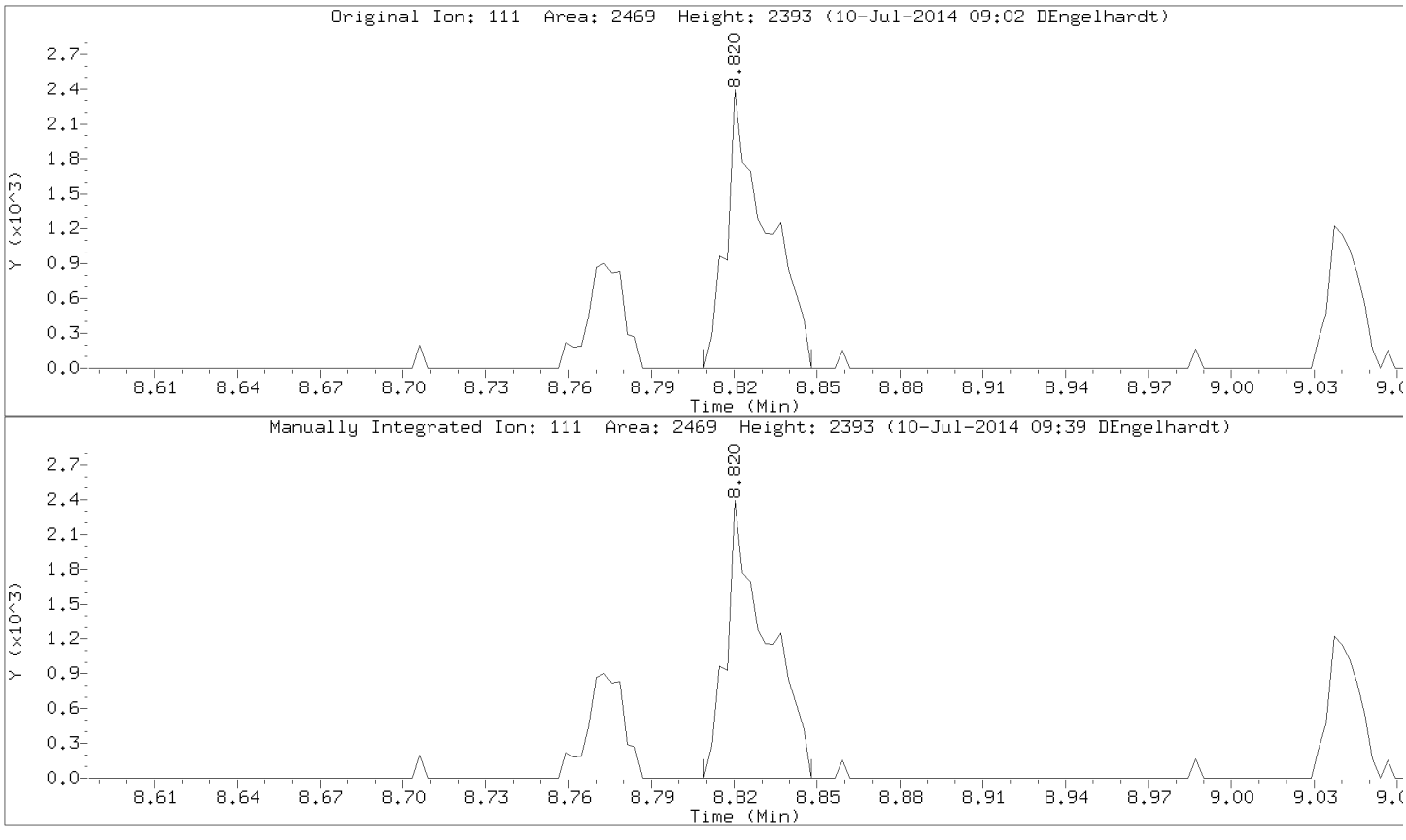
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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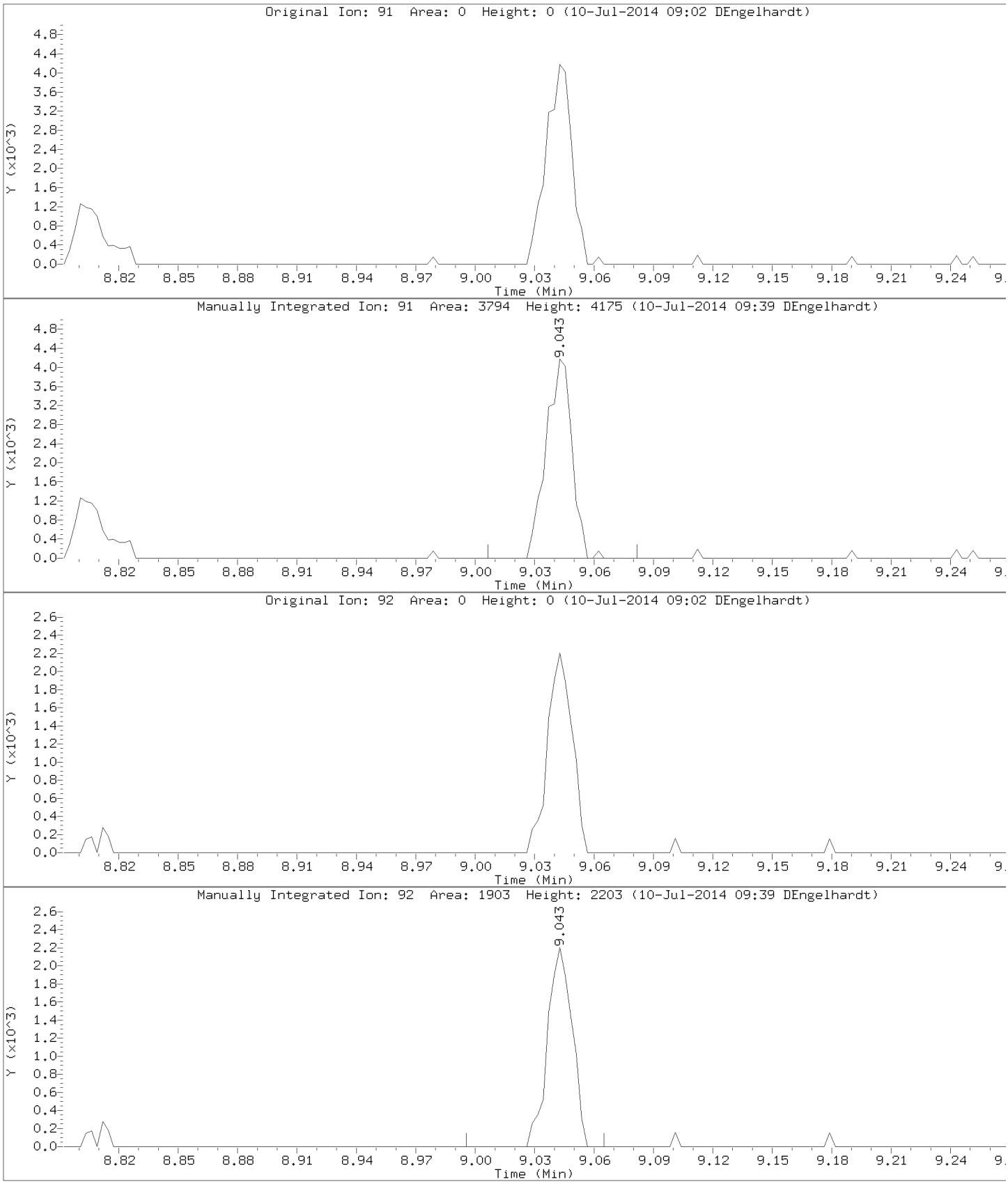
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: n-Butylbenzene
CAS Number: 104-51-8



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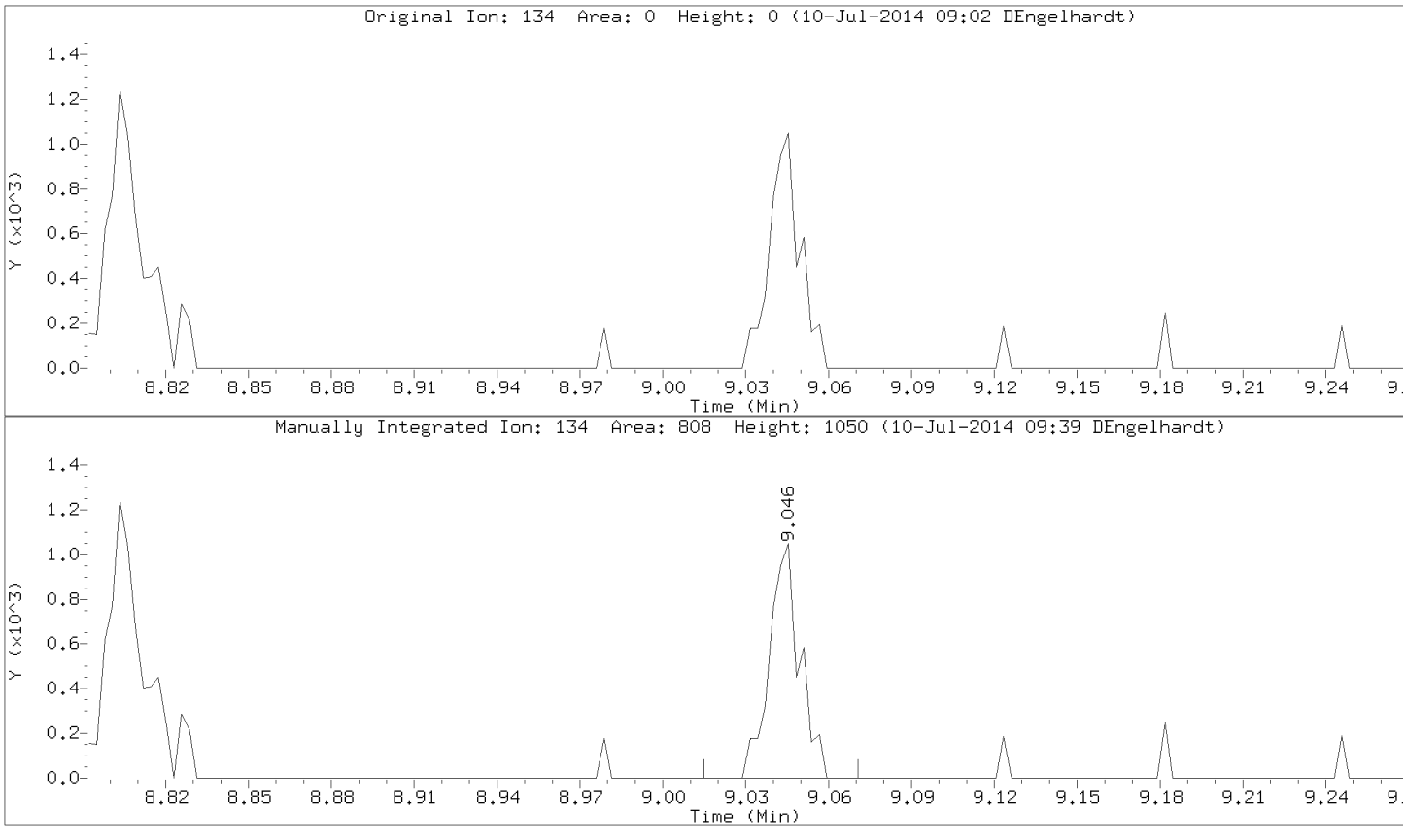
Lab Sample ID: 8260-CAL1,72087:0



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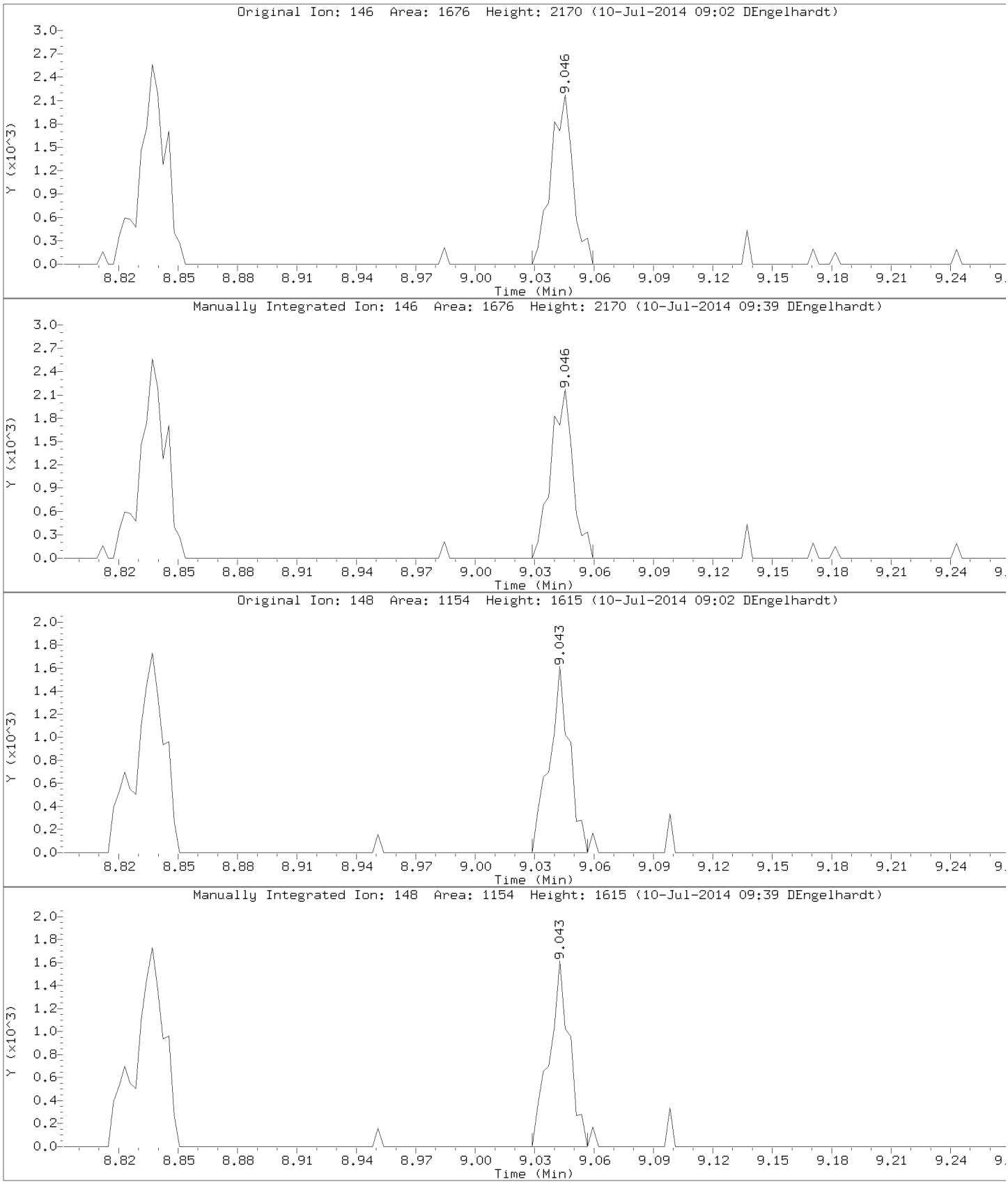
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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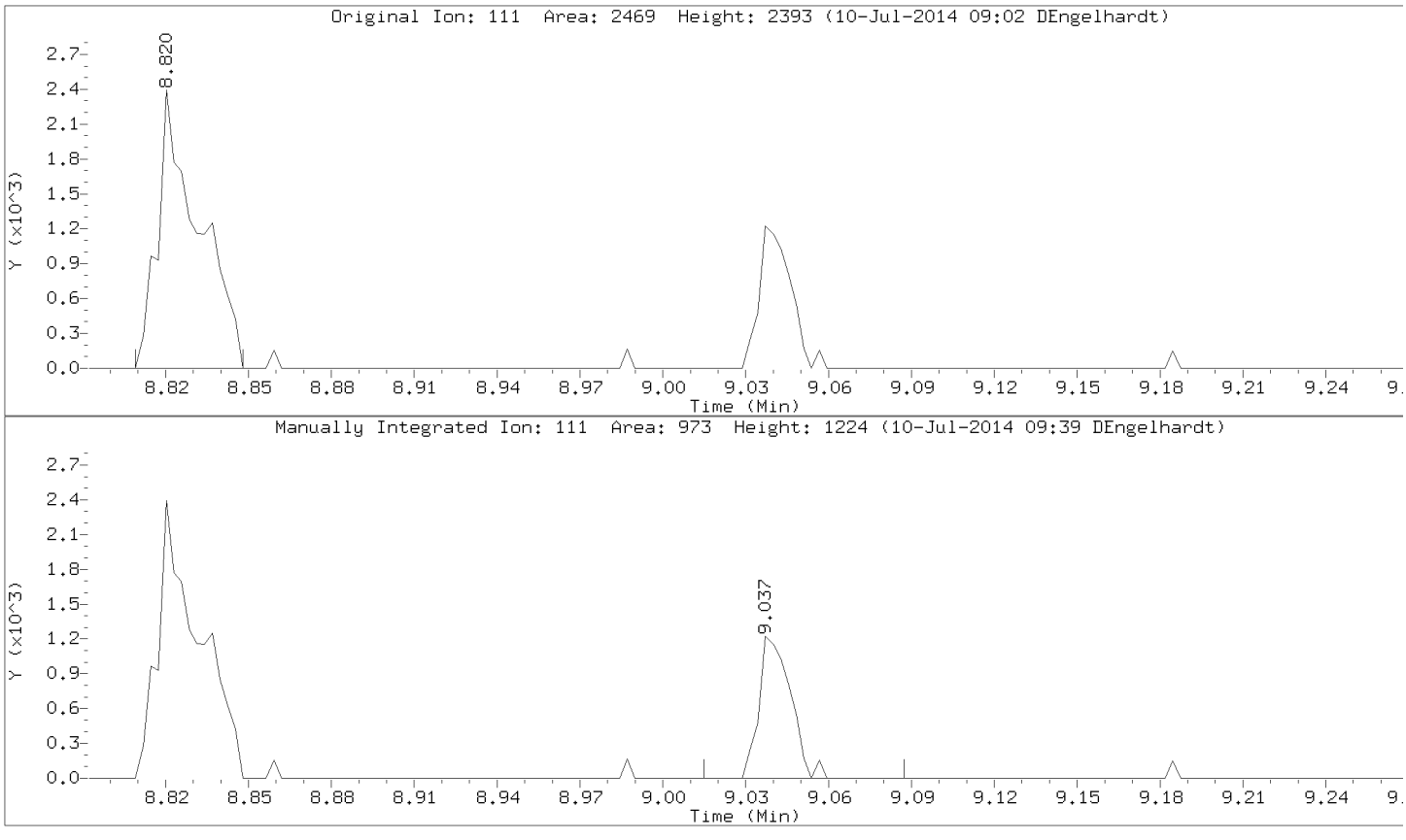

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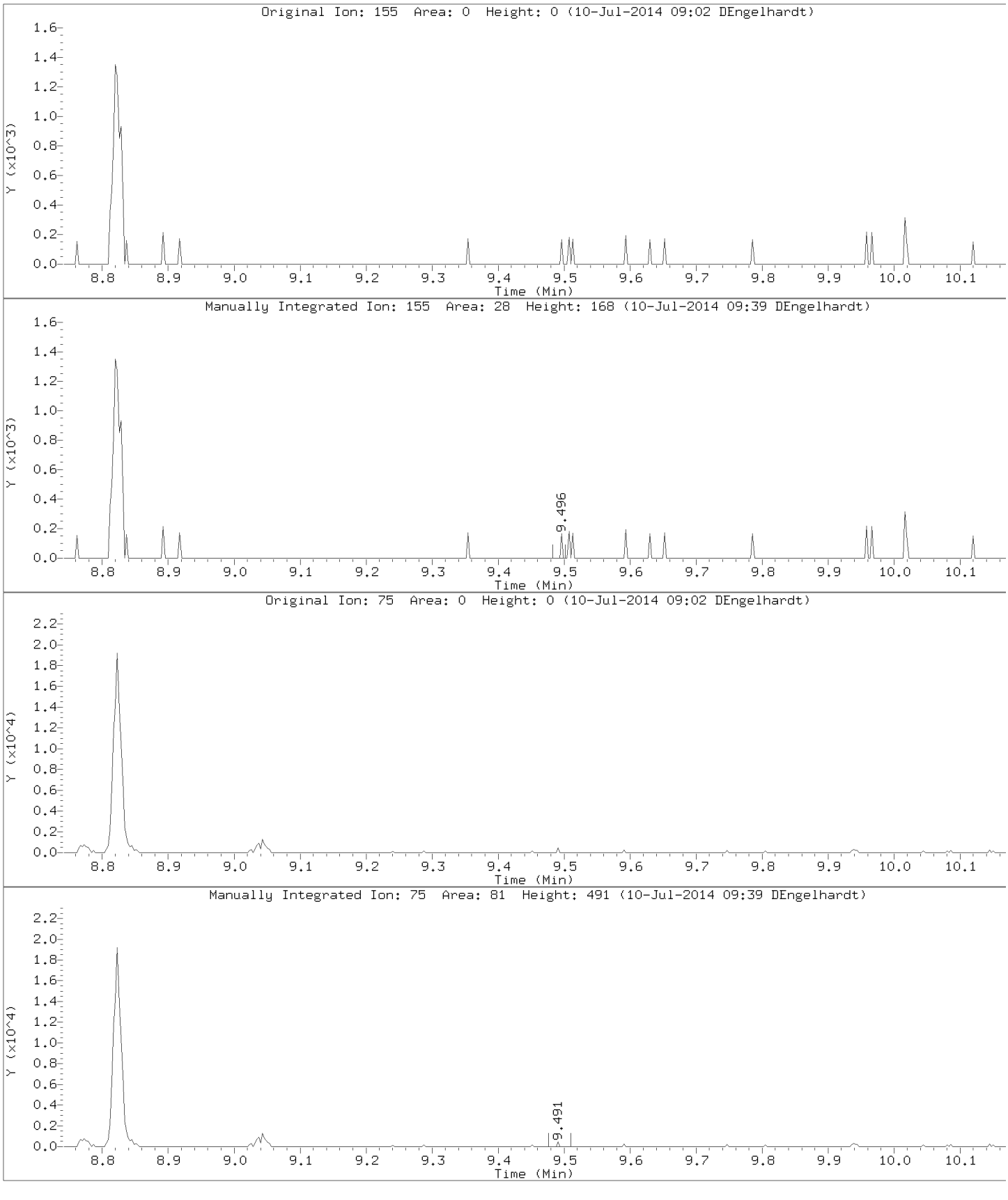
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8



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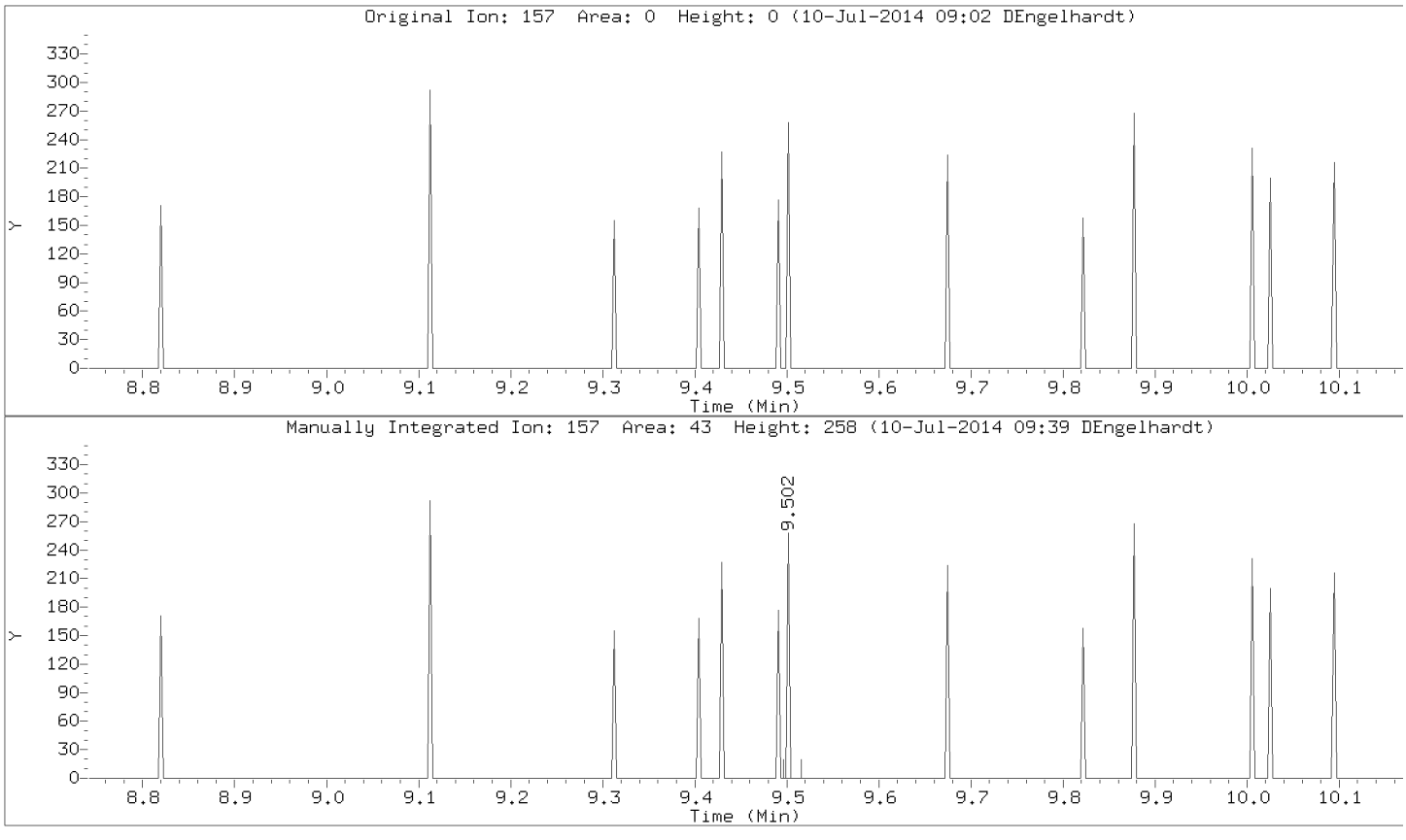

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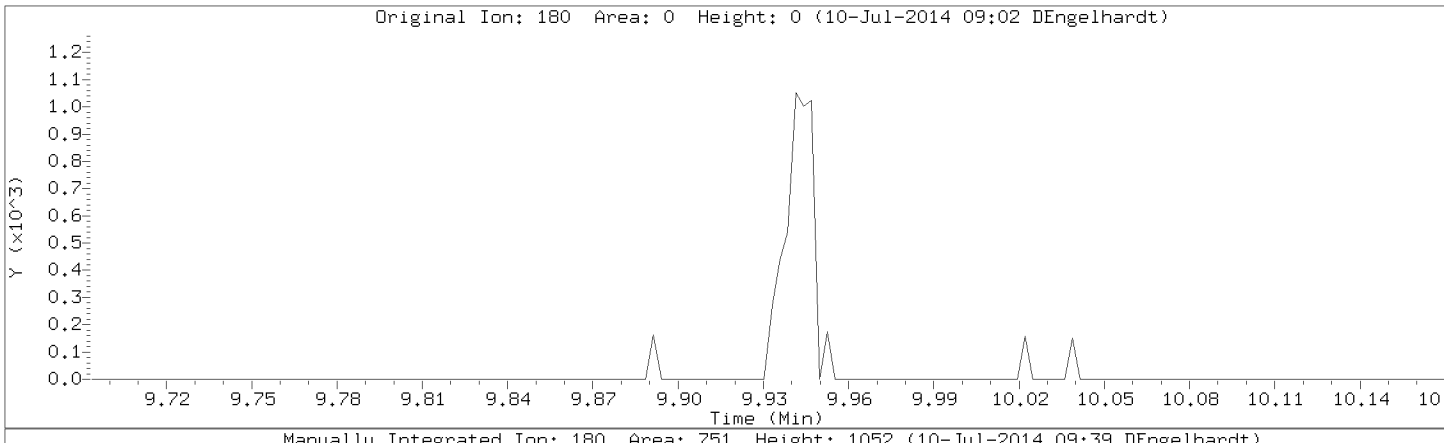
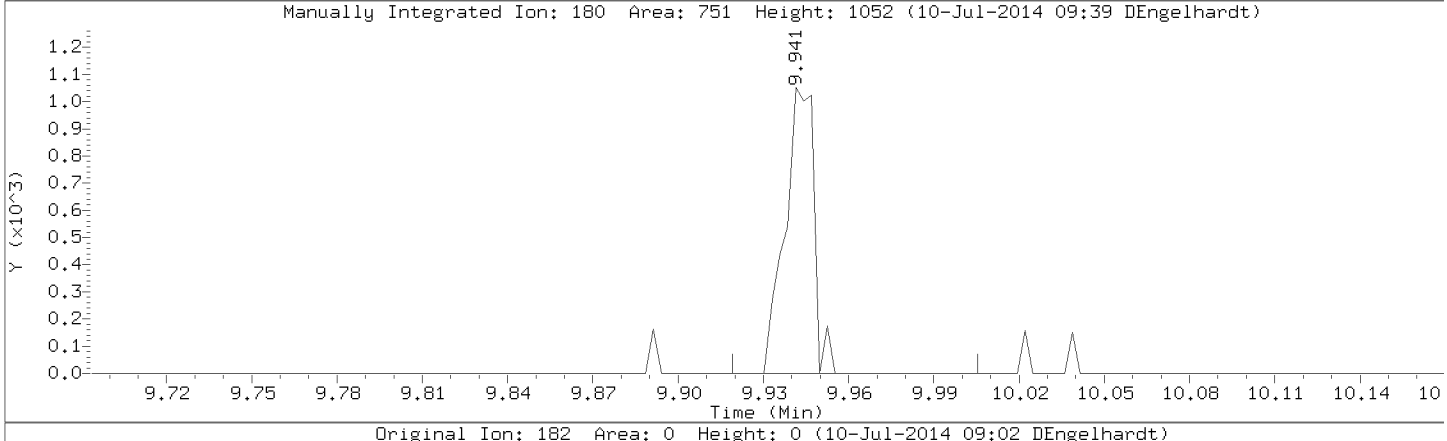
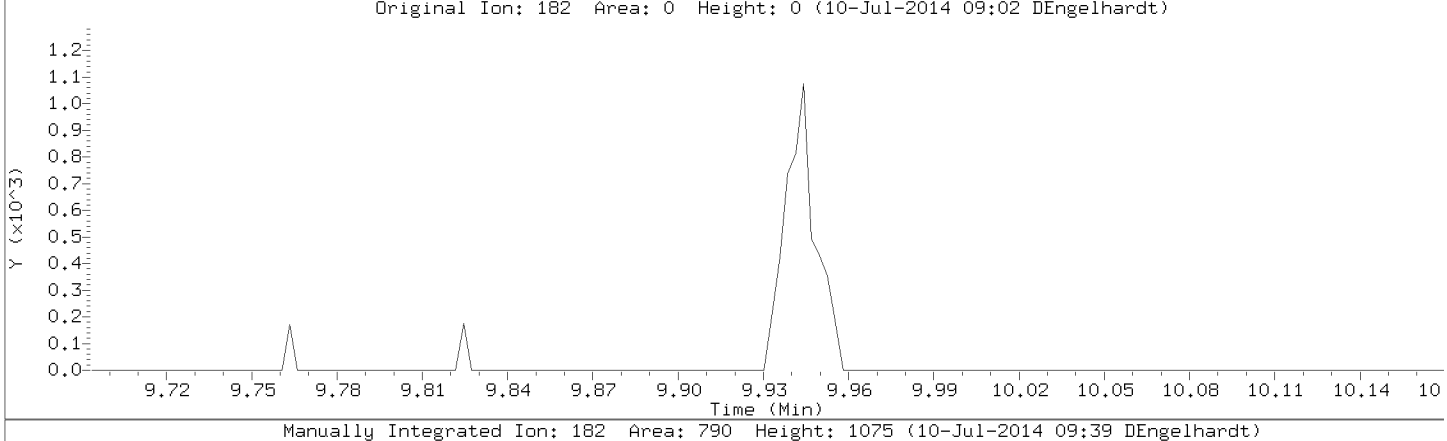
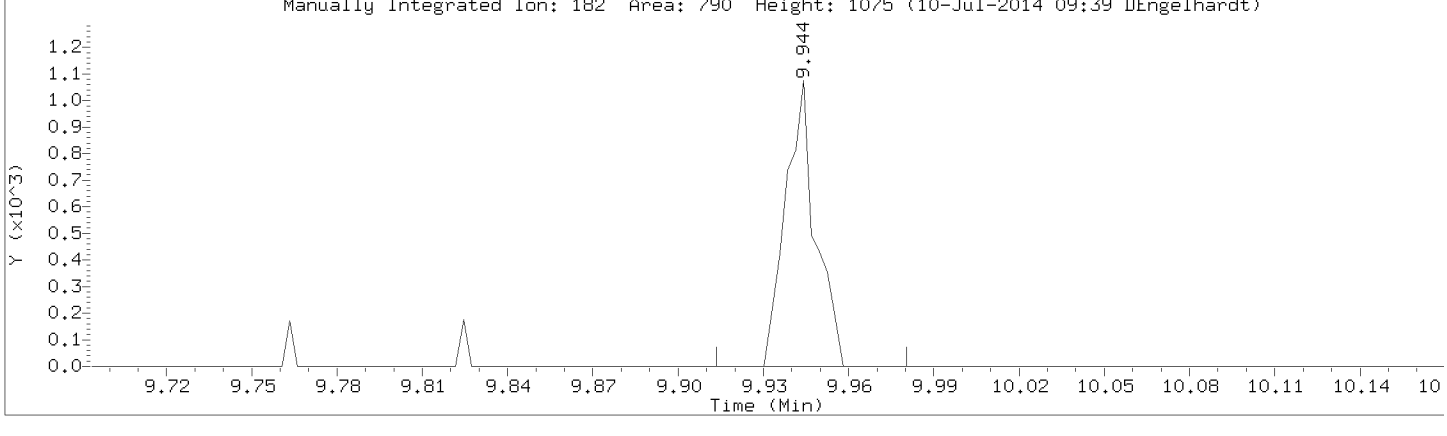
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1









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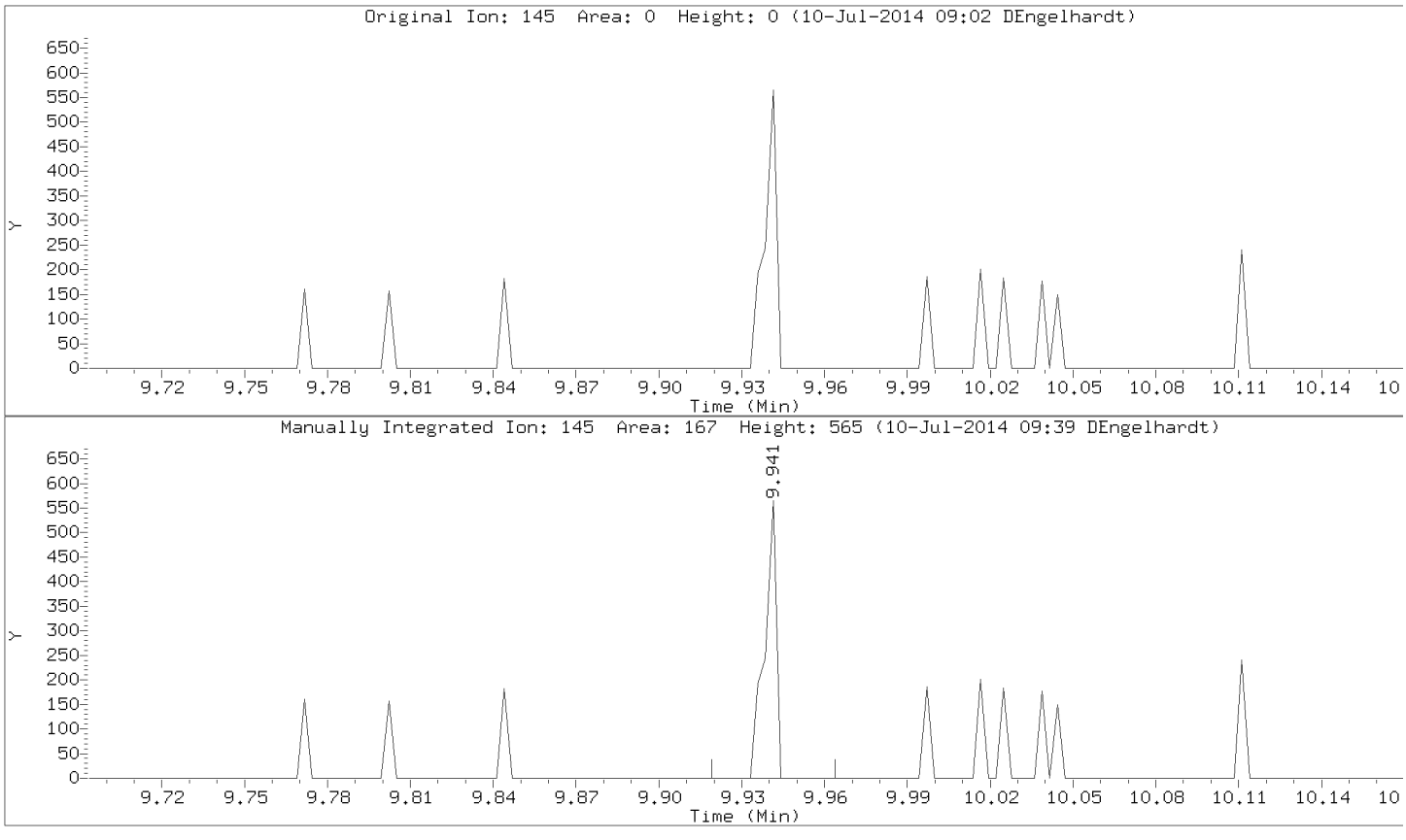
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0



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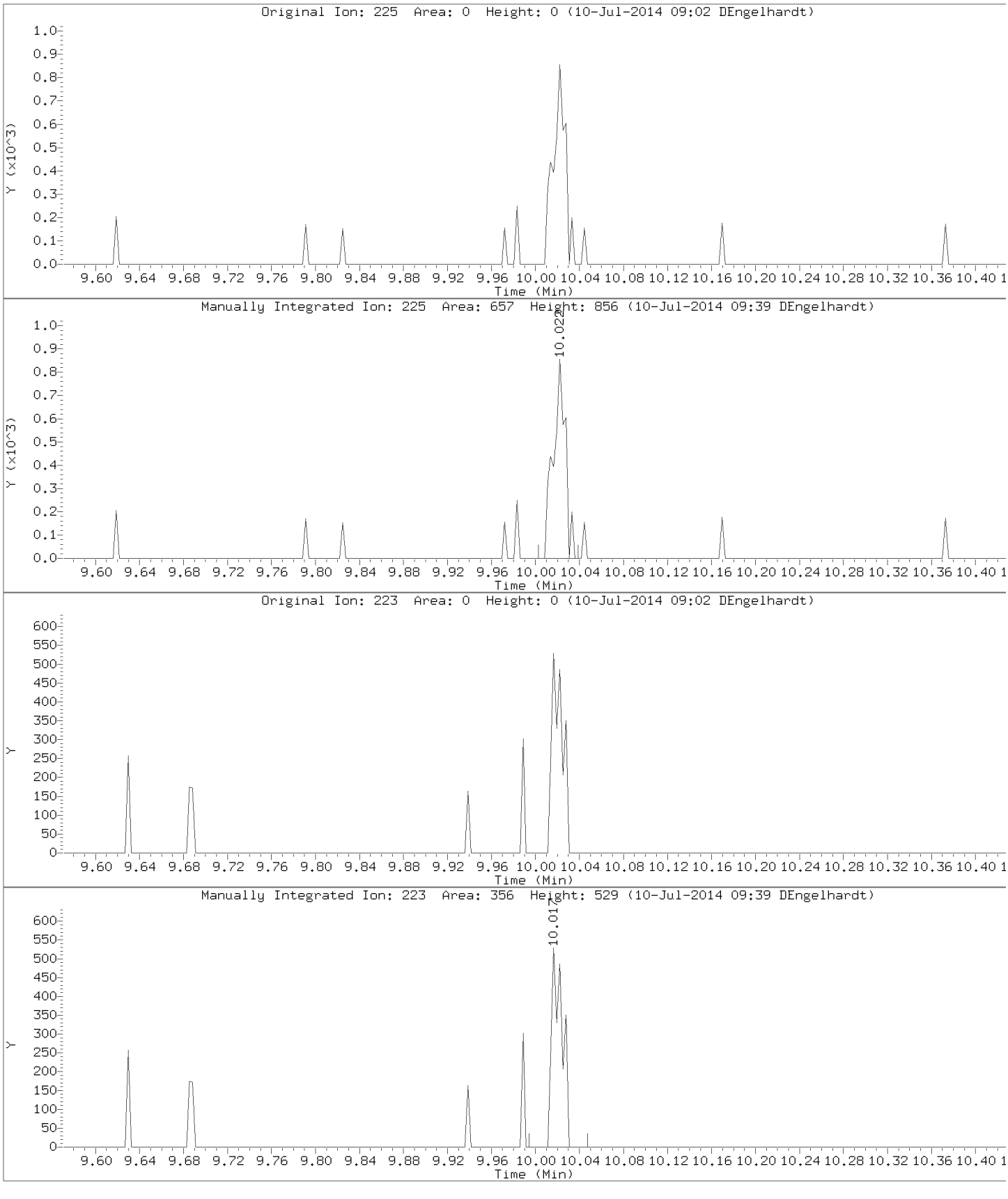
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Hexachlorobutadiene
CAS Number: 87-68-3



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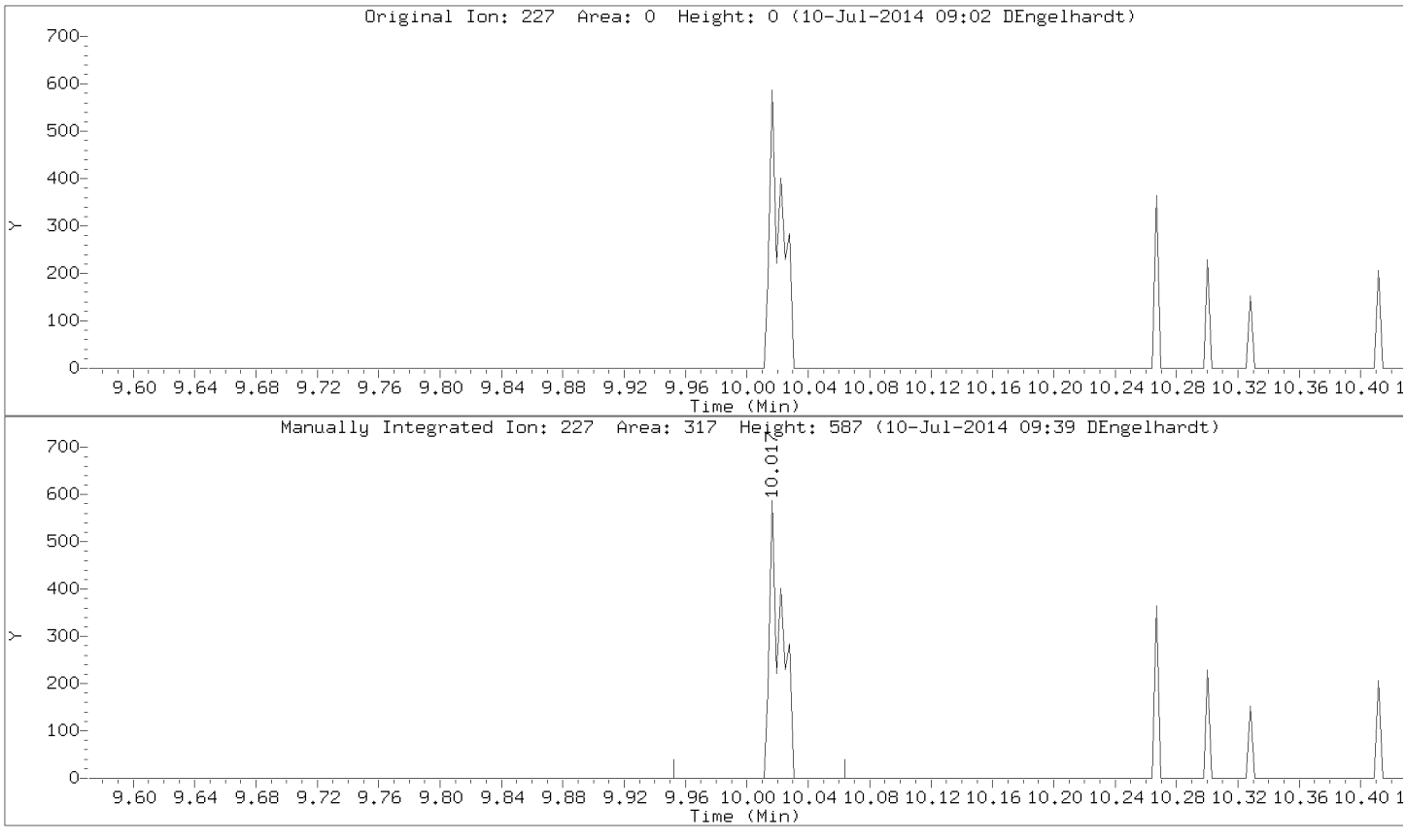
Lab Sample ID: 8260-CAL1,72087:0



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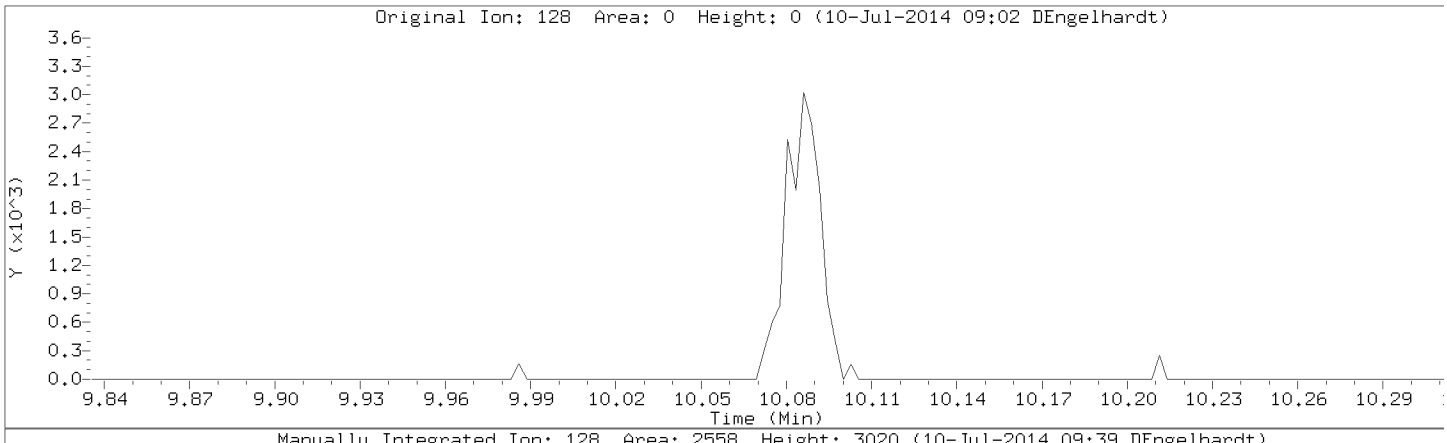
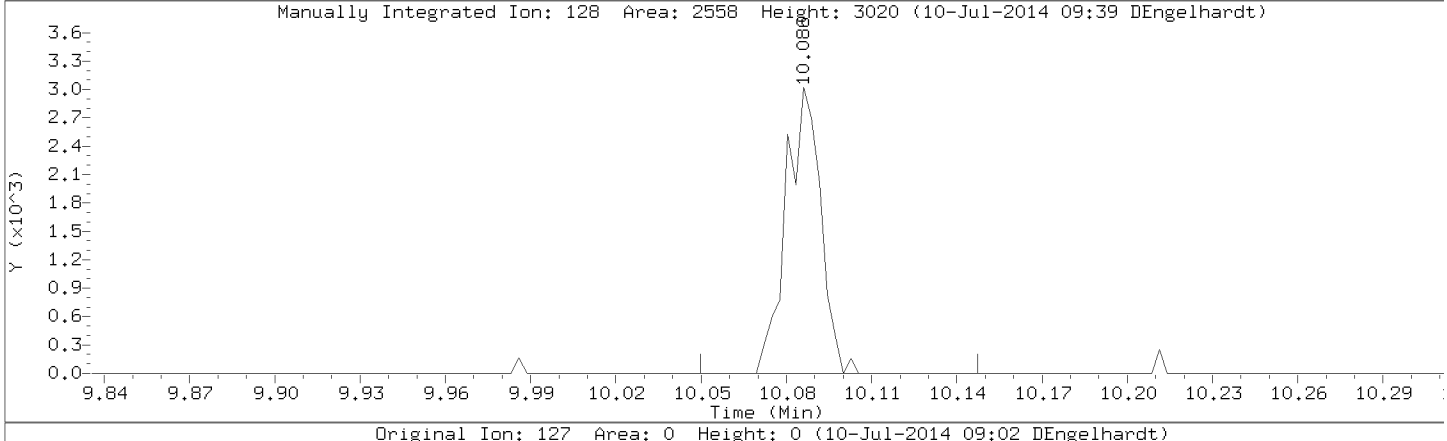
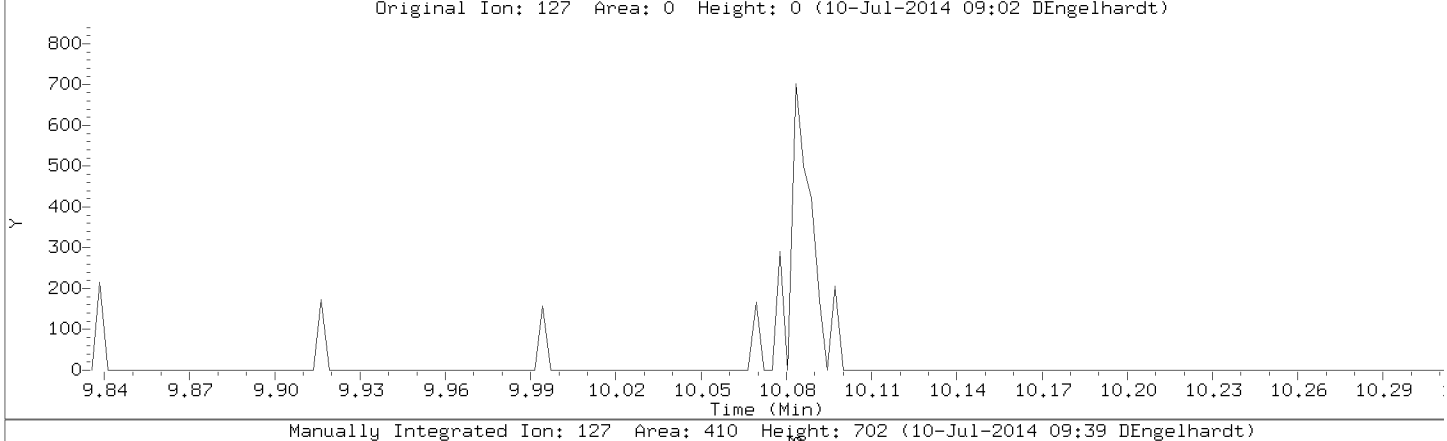
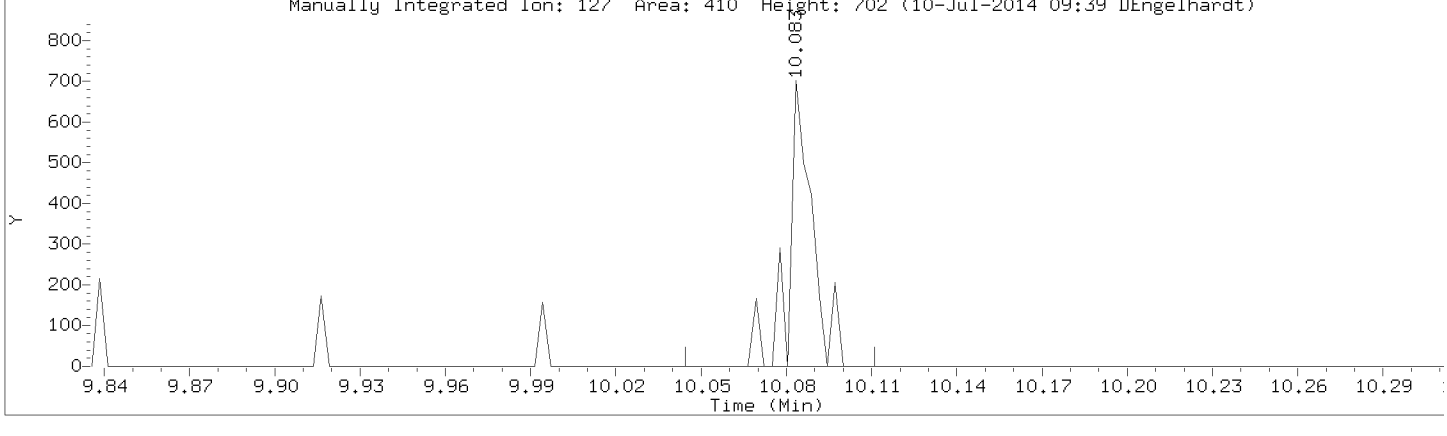
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: Naphthalene
CAS Number: 91-20-3









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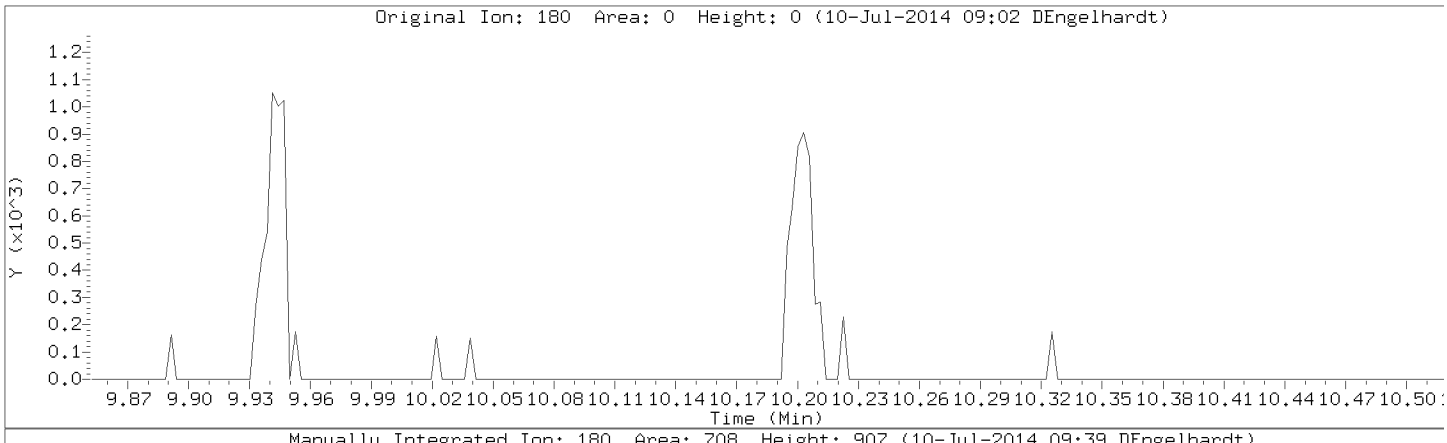
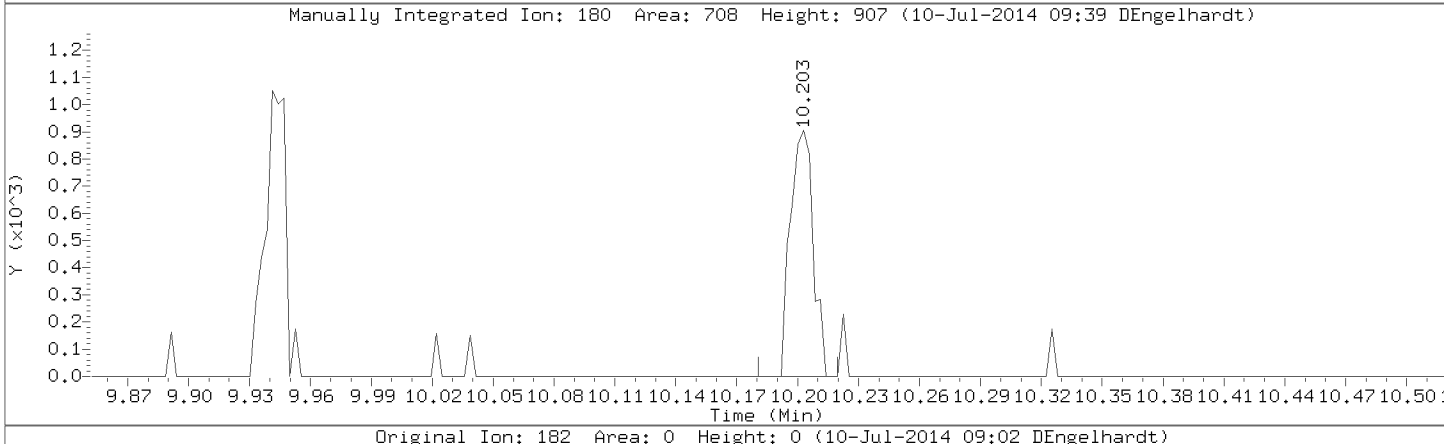
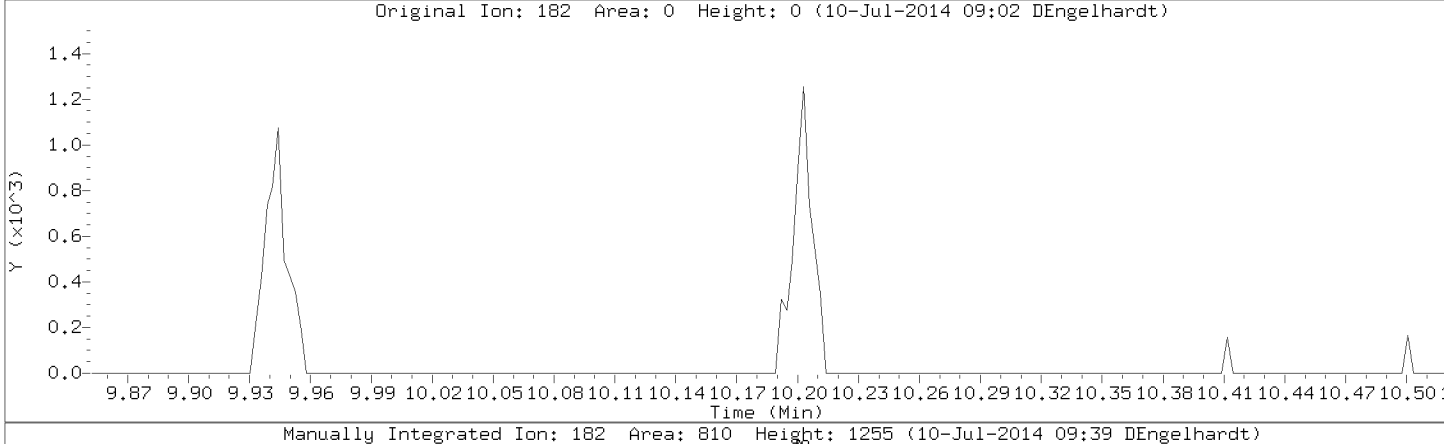
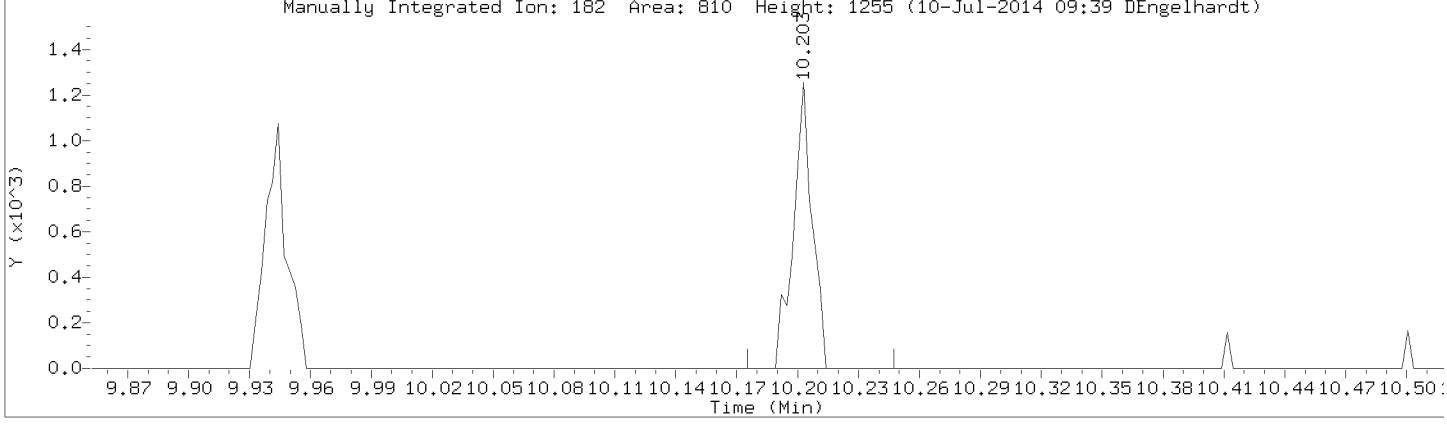
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6









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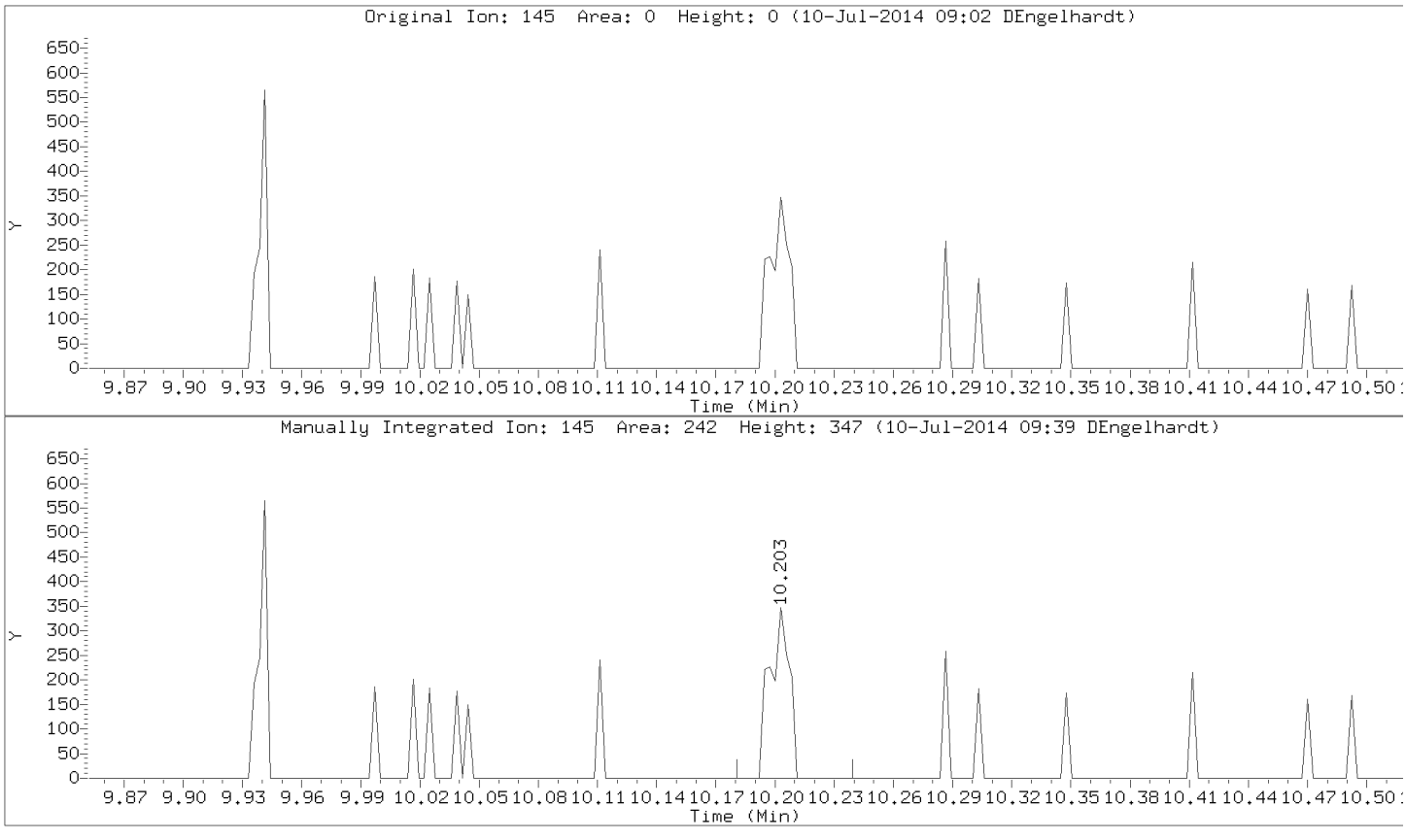

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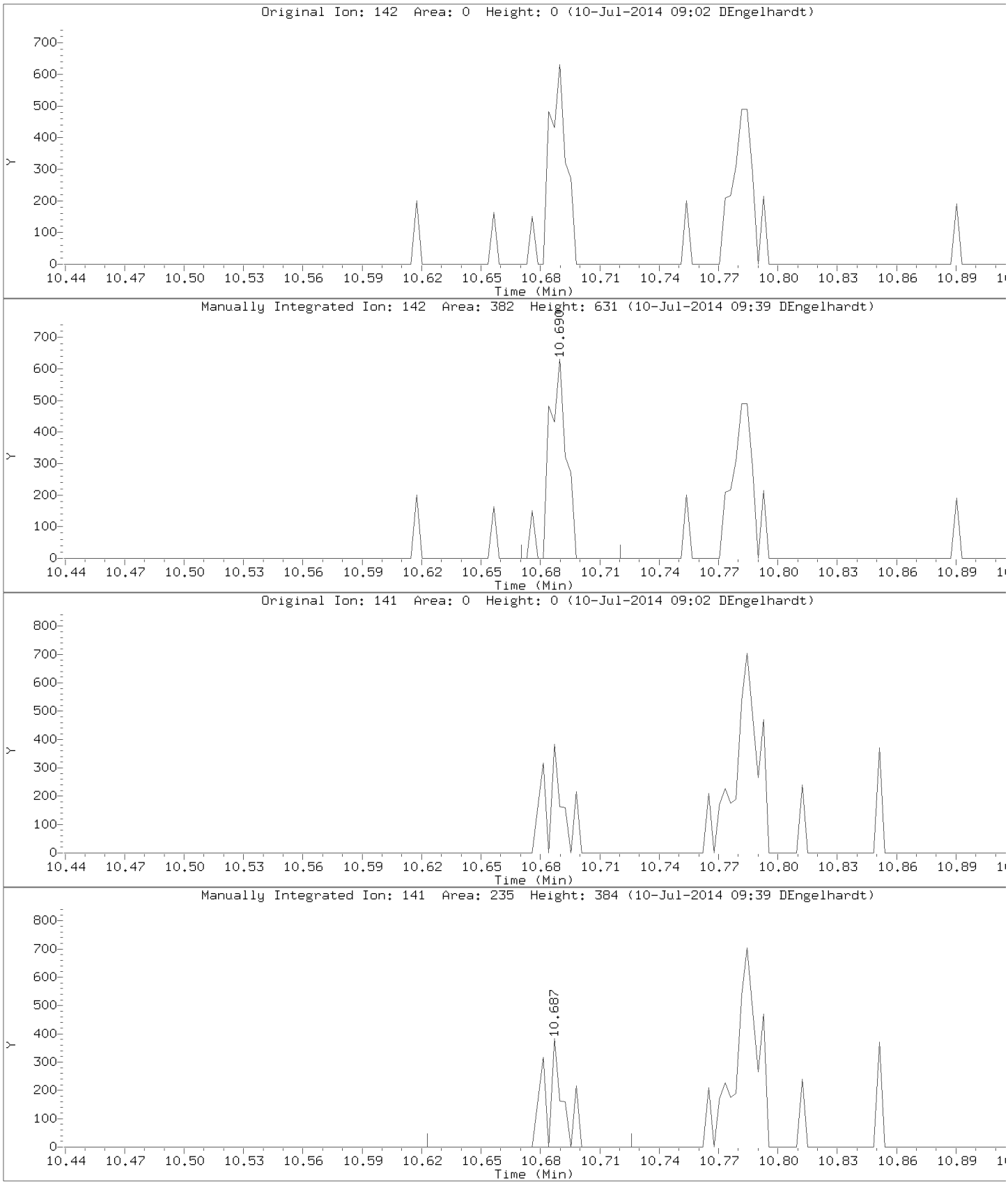
Lab Sample ID: 8260-CAL1,72087:0

Compound: 2,methyl-naphthalene
CAS Number:



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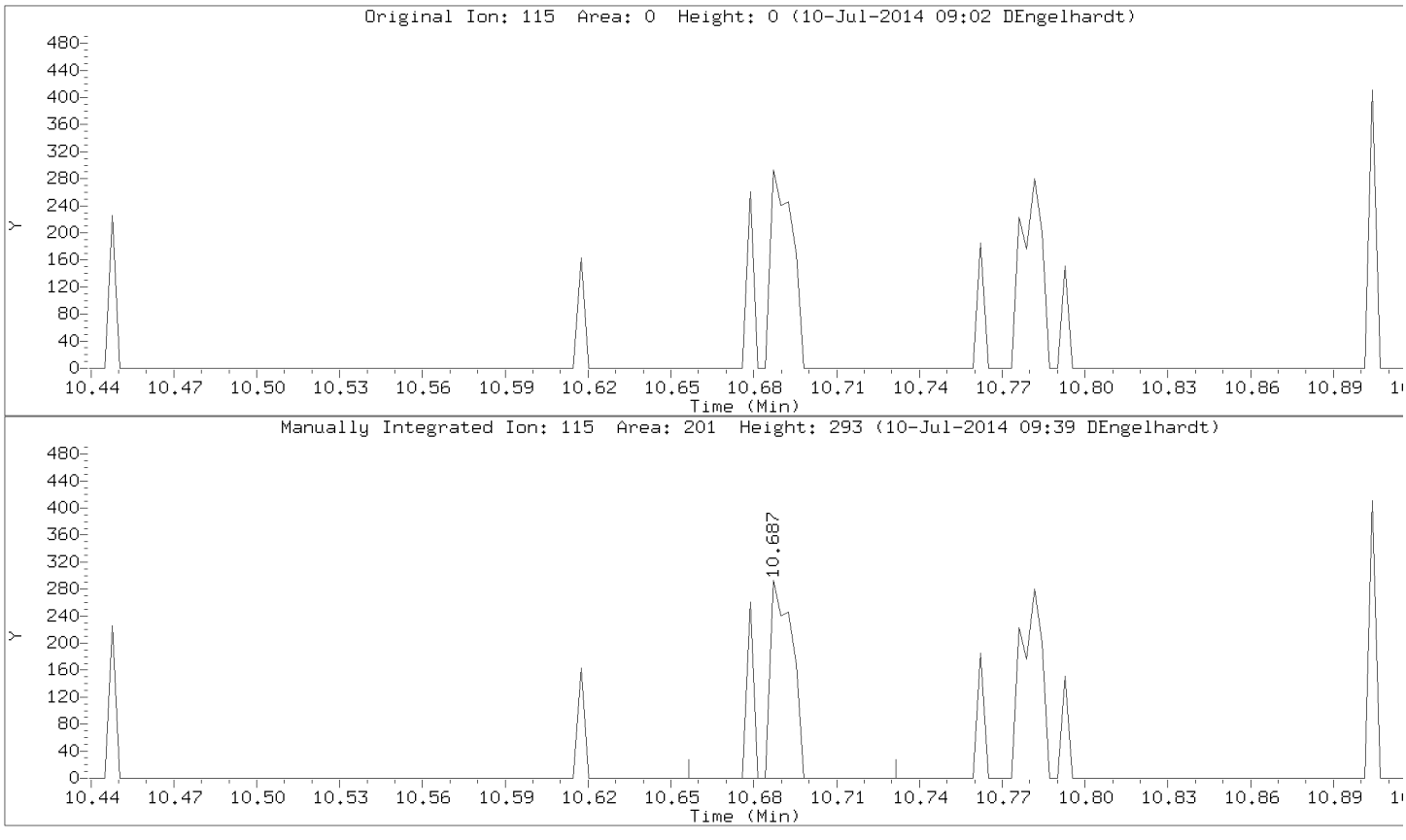

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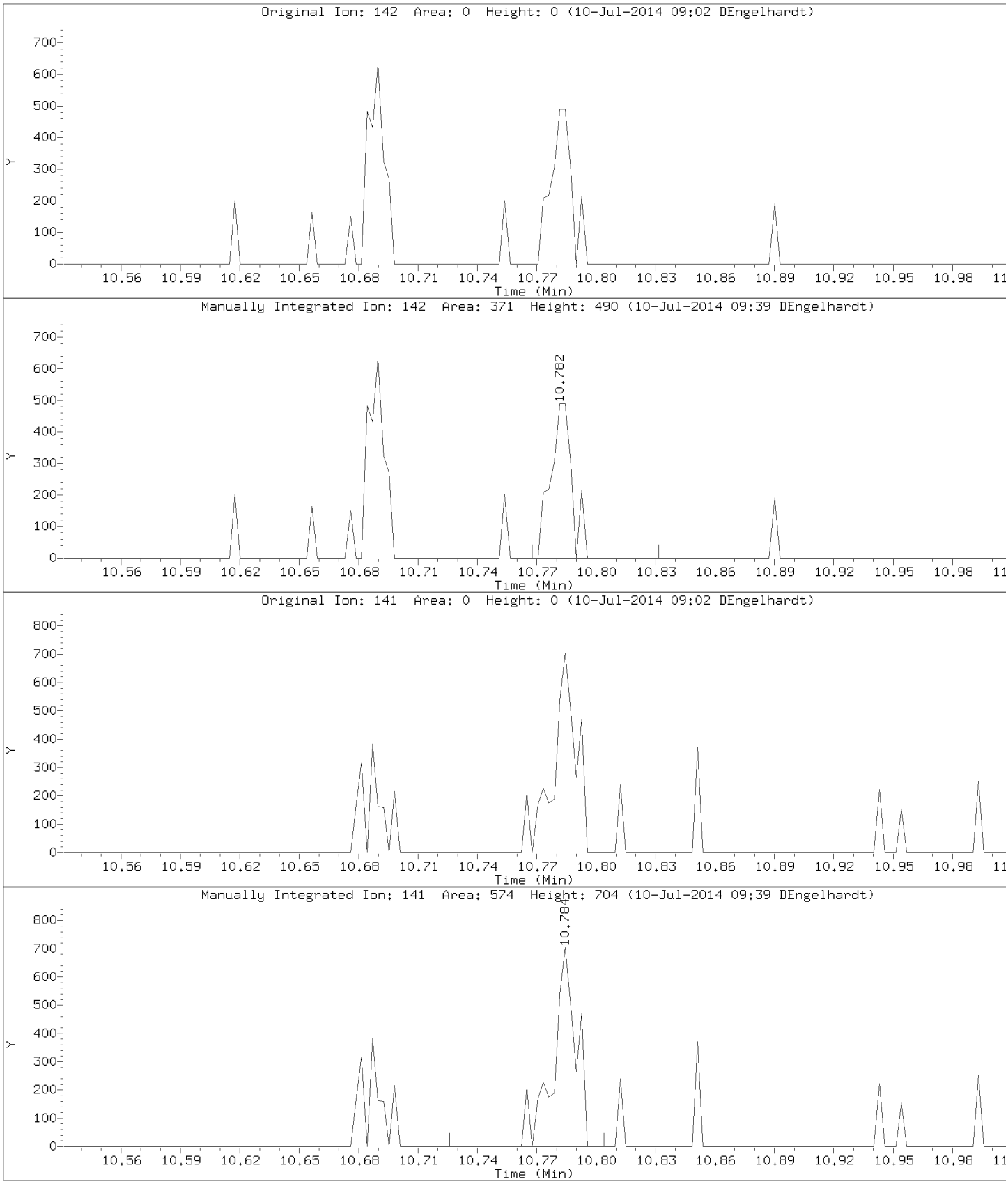
Injection Date: 09-JUL-2014 16:19
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL1,72087:0

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



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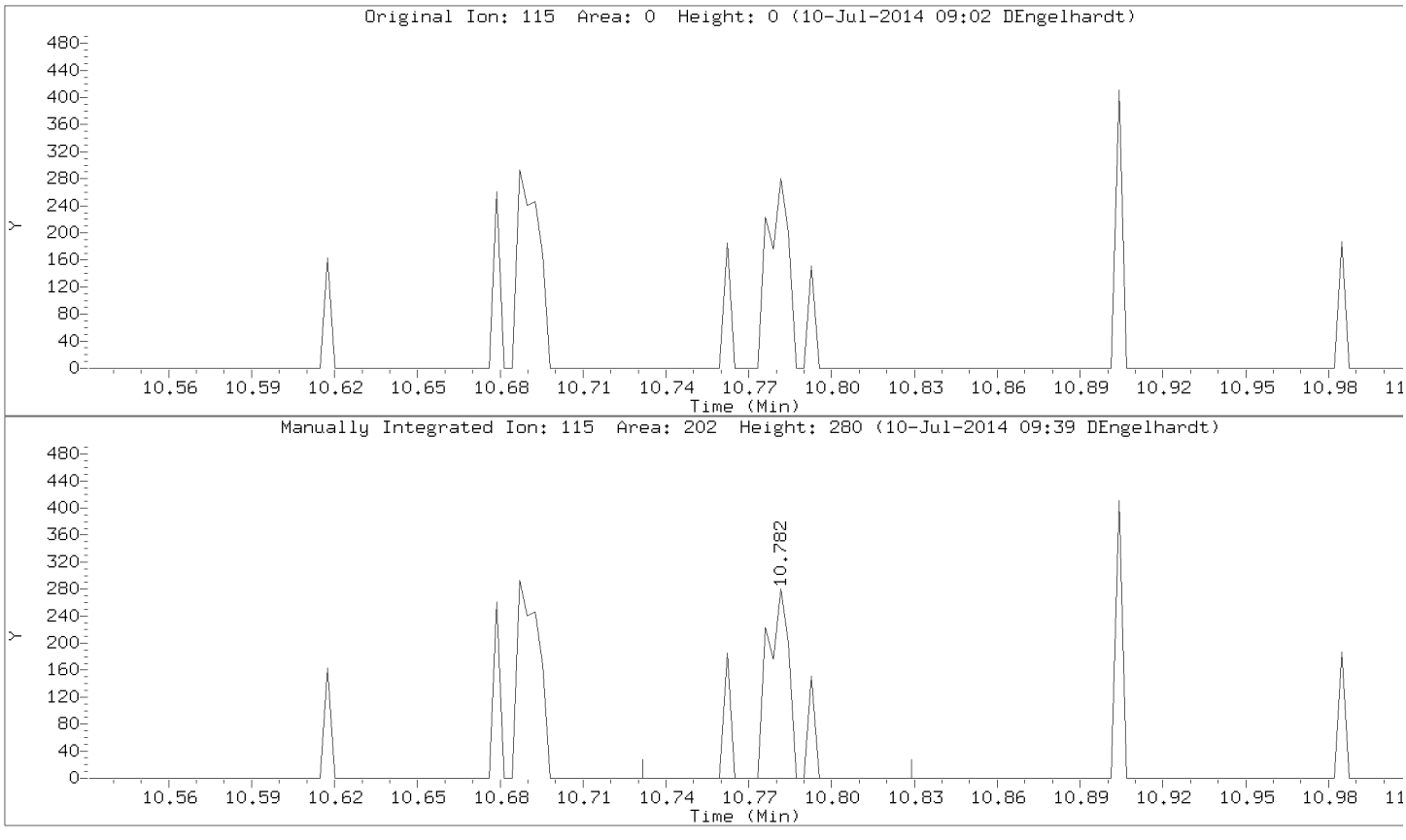


Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a07cal2.d
Lab Smp Id: 8260-CAL2,72088:0 Client Smp ID: 8260-CAL2,72088:0
Inj Date : 09-JUL-2014 16:52
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal2,72088:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 8 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.227)	3294	1.00000	0.880(M)	
2	Chloromethane	50	1.029	1.024	(0.247)	4054	1.00000	0.946	
3	Vinyl Chloride	62	1.074	1.071	(0.258)	3067	1.00000	0.799	
4	Bromomethane	94	1.219	1.213	(0.293)	829	1.00000	0.575(QM)	
5	Chloroethane	64	1.260	1.260	(0.303)	1779	1.00000	0.772(M)	
6	Trichlorofluoromethane	101	1.374	1.372	(0.330)	4338	1.00000	0.906	
7	Diethyl ether	74	1.494	1.494	(0.359)	1293	1.00000	1.14(Q)	
8	1,2-dichlorotrifluoroethane	67	1.514	1.511	(0.364)	2968	1.00000	0.951	
9	Acrolein	56	1.566	1.566	(0.376)	7545	20.0000	16.2	
10	1,1,2trichlorotrifluoroethane	101	1.622	1.616	(0.390)	2341	1.00000	1.15	
11	1,1-Dichloroethene	96	1.625	1.622	(0.390)	1822	1.00000	0.914(M)	
12	Acetone	43	1.633	1.630	(0.392)	6681	5.00000	3.55(M)	
13	Iodomethane	142	1.708	1.708	(0.410)	3396	2.00000	1.20(M)	
14	Carbon Disulfide	76	1.756	1.753	(0.422)	10354	2.00000	1.60(M)	
15	Methyl Acetate	43	1.800	1.797	(0.433)	2843	1.00000	0.845(M)	
16	Acetonitrile	39	1.817	1.814	(0.437)	6472	1.00000	0.894	
17	allyl chloride	41	1.817	1.814	(0.437)	8264	2.00000	1.71	
18	Methylene Chloride	84	1.892	1.886	(0.455)	11883	1.00000	0.649	
19	tert-Butyl Alcohol	59	1.925	1.922	(0.463)	554	2.00000	1.07(M)	
20	Acrylonitrile	53	2.020	2.020	(0.485)	23091	20.0000	18.2	
21	Methyl-tert-butyl ether	73	2.051	2.045	(0.493)	11646	2.00000	1.81(M)	
22	1,2-Dichloroethene (trans)	96	2.059	2.056	(0.495)	1780	1.00000	0.897	
23	n-Hexane	57	2.240	2.237	(0.538)	4309	1.00000	0.883(M)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.351	2.348	(0.565)	23264	4.00000	3.79	
	25 1,1-Dichloroethane	63	2.359	2.357	(0.567)	4401	1.00000	1.04(M)	
	26 Chloroprene	53	2.409	2.412	(0.579)	5129	1.00000	0.851(M)	
	28 2-Butanone	43	2.810	2.810	(0.675)	9194	5.00000	4.64(M)	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.678)	2861	1.00000	0.792(M)	
	30 2,2-Dichloropropane	77	2.821	2.830	(0.678)	1707	1.00000	0.890(M)	
	31 Propionitrile	54	2.857	2.866	(0.687)	385	1.00000	2.58(QM)	
	32 Methacrylonitrile	41	3.024	3.013	(0.727)	2200	4.00000	3.38(M)	
	33 Bromochloromethane	49	3.049	3.052	(0.733)	3011	1.00000	0.868(M)	
	34 Tetrahydrofuran	42	3.072	3.066	(0.738)	2209	1.00000	0.644(M)	
	35 Chloroform	83	3.161	3.161	(0.759)	3875	1.00000	0.843(M)	
$	36 Dibromofluoromethane (S)	113	3.333	3.333	(0.801)	89461	50.0000	48.6	
	37 1,1,1-Trichloroethane	97	3.330	3.339	(0.800)	2051	1.00000	0.740(M)	
	38 cyclohexane	56	3.408	3.414	(0.819)	5086	1.00000	0.870(M)	
	39 Carbon Tetrachloride	117	3.508	3.511	(0.843)	1375	1.00000	0.899(M)	
	40 1,1-Dichloropropene	75	3.525	3.520	(0.847)	3301	1.00000	0.892(M)	
	41 Benzene	78	3.756	3.759	(0.902)	9306	1.00000	0.837(M)	
	42 1,2-Dichloroethane	62	3.845	3.848	(0.924)	3900	1.00000	0.920(M)	
	43 2,2,4-Trimethylpentane	57	3.937	3.931	(0.946)	8957	1.00000	0.858(M)	
	44 Isobutyl alcohol	43	3.923	3.934	(0.943)	1922	1.00000	0.950(M)	
*	45 Fluorobenzene	96	4.162	4.159	(1.000)	392014	50.0000		
	47 Trichloroethene	95	4.599	4.602	(1.105)	2636	1.00000	0.779(M)	
	48 Methylcyclohexane	55	4.852	4.858	(1.166)	3516	1.00000	0.707(M)	
	49 1,2-Dichloropropane	63	4.900	4.899	(1.177)	2412	1.00000	1.04(M)	
	50 1,4-Dioxane	88	4.991	4.997	(1.199)	156	1.00000	(QM)	
	51 Dibromomethane	93	4.986	4.989	(1.198)	1236	1.00000	0.774(M)	
	52 Methyl methacrylate	69	5.011	5.008	(1.204)	1578	1.00000	1.53(QM)	
	53 Bromodichloromethane	83	5.211	5.208	(1.252)	1949	1.00000	0.964(M)	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	2743	2.00000	1.70(M)	
	55 cis-1,3-Dichloropropene	75	5.681	5.679	(0.784)	1638	1.00000	0.976(M)	
	56 4-Methyl-2-Pentanone	43	5.848	5.845	(0.807)	13665	5.00000	4.98(M)	
$	57 Toluene-d8	98	5.935	5.934	(0.819)	368474	50.0000	50.4(M)	
	58 Toluene	91	6.010	6.004	(0.830)	9505	1.00000	0.935(M)	
	59 trans-1,3-Dichloropropene	75	6.277	6.274	(0.866)	1252	1.00000	0.952(M)	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	1843	1.00000	0.662(M)	
	61 1,1,2-Trichloroethane	83	6.460	6.458	(0.892)	1802	1.00000	0.925(M)	
	62 Tetrachloroethene	166	6.511	6.505	(0.899)	1803	1.00000	0.821(M)	
	63 1,3-Dichloropropane	76	6.597	6.599	(0.911)	3498	1.00000	0.883(M)	
	64 2-Hexanone	43	6.675	6.672	(0.921)	9397	5.00000	4.71(M)	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	787	1.00000	0.956(QM)	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.948)	1520	1.00000	0.988(QM)	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	254843	50.0000		
	68 Chlorobenzene	112	7.267	7.267	(1.003)	5480	1.00000	0.912	
	69 1,1,1,2-Tetrachloroethane	131	7.345	7.348	(1.014)	685	1.00000	0.607(QM)	
	70 Ethylbenzene	106	7.354	7.356	(1.015)	3012	1.00000	0.883	
	71 m&p-Xylene	106	7.462	7.459	(1.030)	7429	2.00000	1.91	
	72 o-Xylene	106	7.726	7.729	(1.066)	3193	1.00000	1.04	
	73 Styrene	104	7.749	7.746	(1.069)	5459	1.00000	0.999	
	74 Bromoform	173	7.863	7.865	(0.891)	443	1.00000	1.03(M)	
	75 Isopropylbenzene	105	7.985	7.988	(1.102)	8587	1.00000	0.958	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	141127	50.0000	50.5	
	78 Bromobenzene	77	8.180	8.180	(1.129)	3692	1.00000	0.852	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	2234	1.00000	0.947(M)	
	80 trans-1,4-Dichloro-2-butene	53	8.227	8.224	(1.136)	801	1.00000	0.954(M)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	742	1.00000	0.959(QM)	
82	n-Propylbenzene	91	8.263	8.260	(0.937)	11219	1.00000	0.821	
83	2-Chlorotoluene	91	8.308	8.308	(0.942)	6570	1.00000	0.867	
84	1,3,5-Trimethylbenzene	105	8.380	8.380	(0.950)	7414	1.00000	0.986	
85	4-Chlorotoluene	126	8.389	8.388	(0.951)	1941	1.00000	0.848	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	6238	1.00000	0.892	
87	1,2,4-Trimethylbenzene	105	8.608	8.611	(0.976)	8297	1.00000	0.948	
88	sec-Butylbenzene	105	8.711	8.708	(0.987)	8320	1.00000	0.877	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	4209	1.00000	1.00	
90	p-Isopropyltoluene	119	8.806	8.803	(0.998)	7194	1.00000	1.04	
* 91	1,4-Dichlorobenzene-d4	152	8.823	8.822	(1.000)	113200	50.0000		
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	3680	1.00000	0.773(Q)	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	6727	1.00000	0.857(M)	
94	1,2-Dichlorobenzene	146	9.040	9.042	(1.025)	3386	1.00000	0.977	
95	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	71	1.00000	1.22(QM)	
96	1,2,4-Trichlorobenzene	180	9.941	9.941	(1.127)	1487	1.00000	0.957(M)	
97	Hexachlorobutadiene	225	10.019	10.022	(1.136)	926	1.00000	0.681(M)	
98	Naphthalene	128	10.083	10.086	(1.143)	4648	1.00000	0.878(M)	
99	1,2,3-Trichlorobenzene	180	10.205	10.202	(1.157)	1237	1.00000	0.845(M)	
100	2,methyl-naphthalene	142	10.692	10.687	(1.212)	631	1.00000	0.799(M)	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	601	1.00000	0.783(QM)	

QC Flag Legend

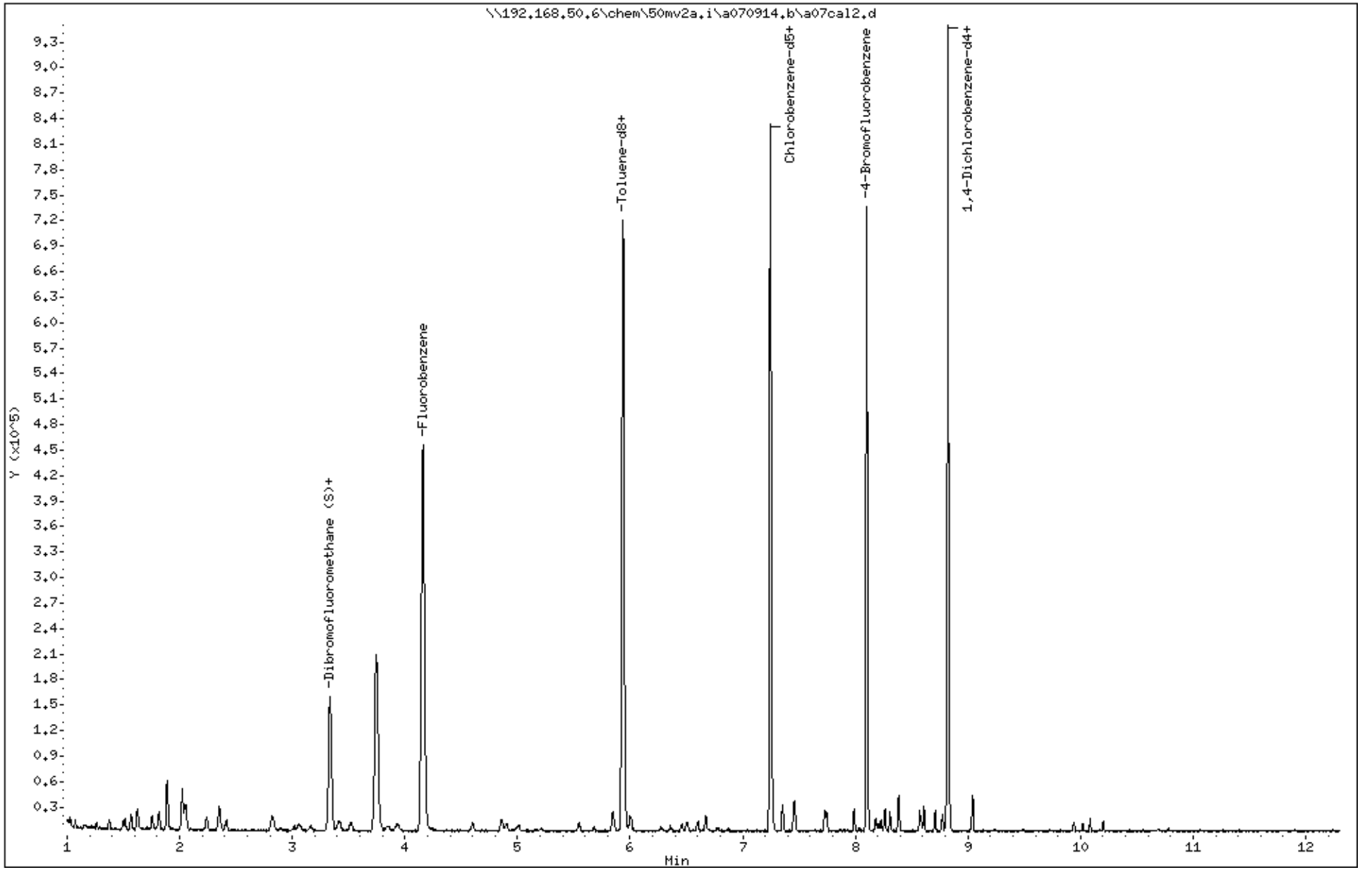
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a07cal2.d
Date : 09-JUL-2014 16:52
Client ID: 8260-CAL2,72088:0
Sample Info: 8260-CAL2,72088:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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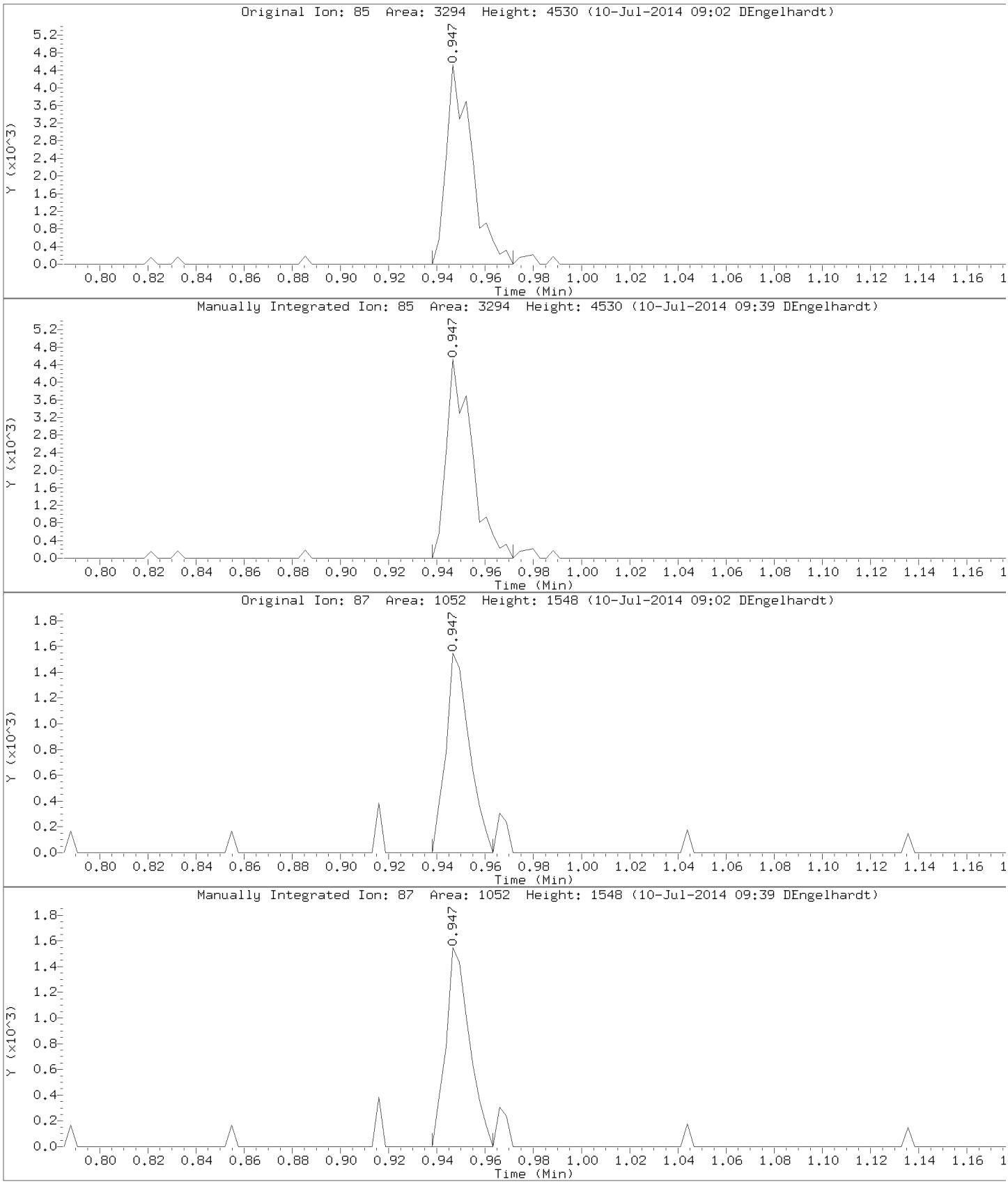
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



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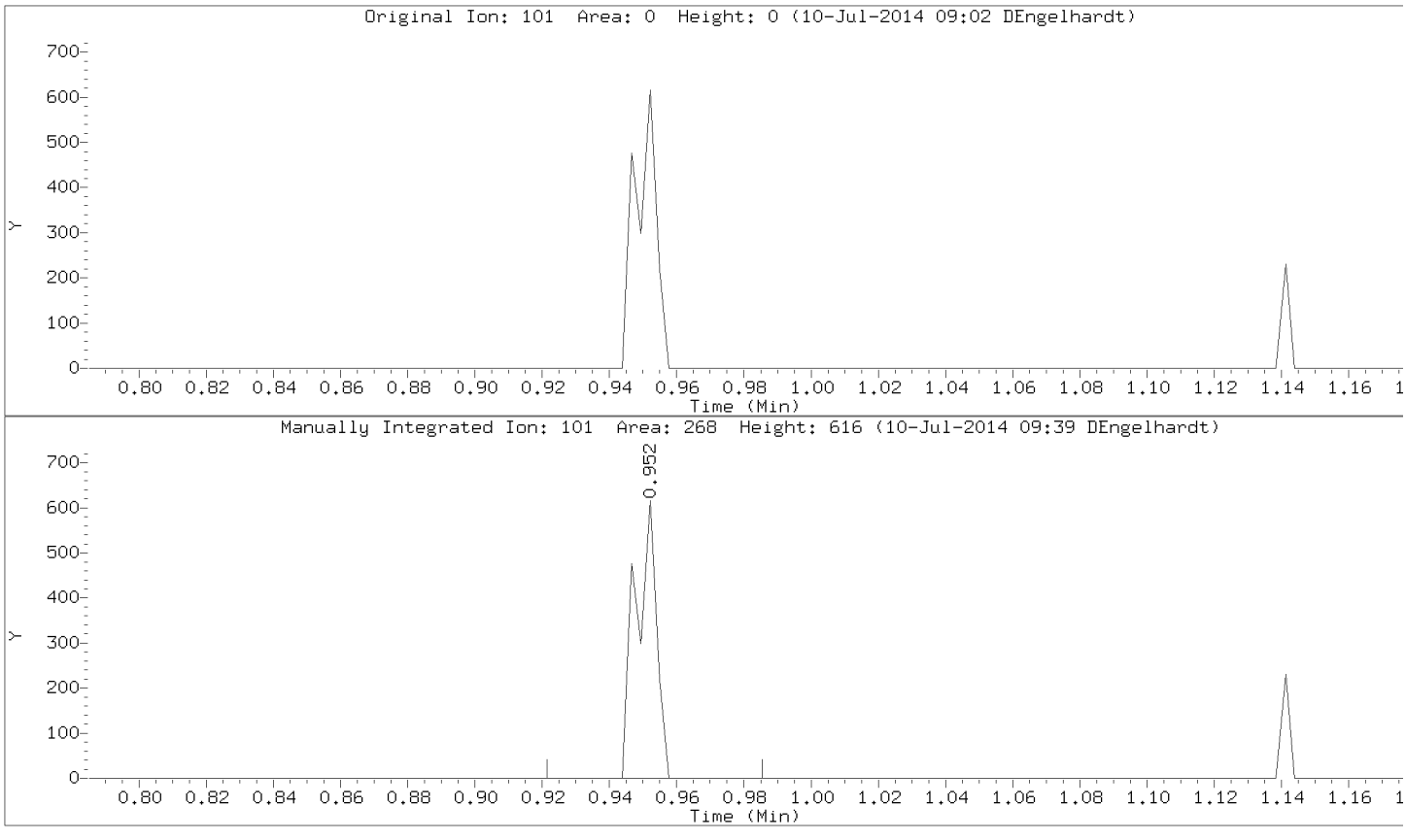
Lab Sample ID: 8260-CAL2,72088:0



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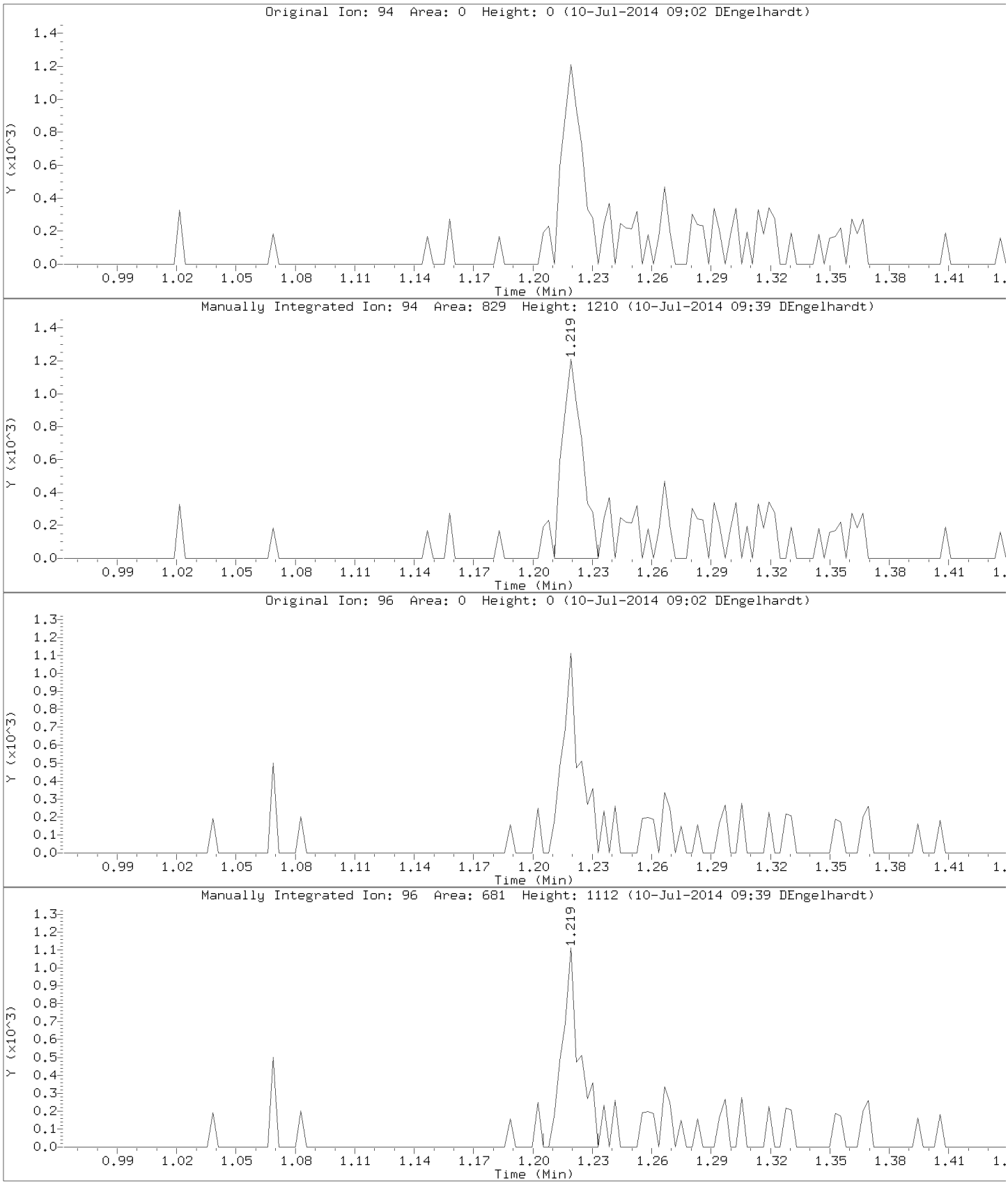
Lab Sample ID: 8260-CAL2,72088:0

Compound: Bromomethane
CAS Number: 74-83-9



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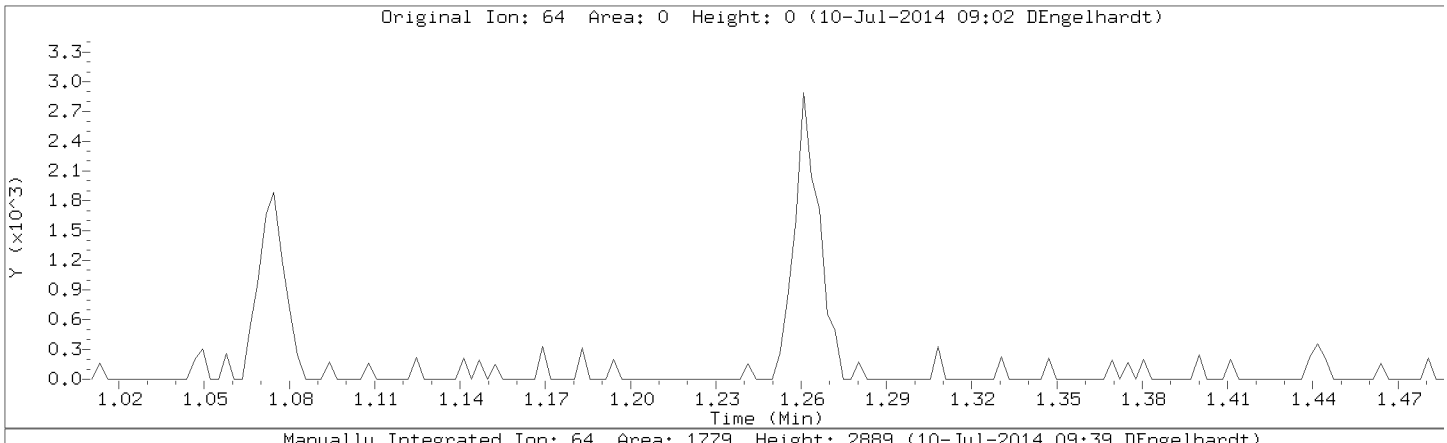
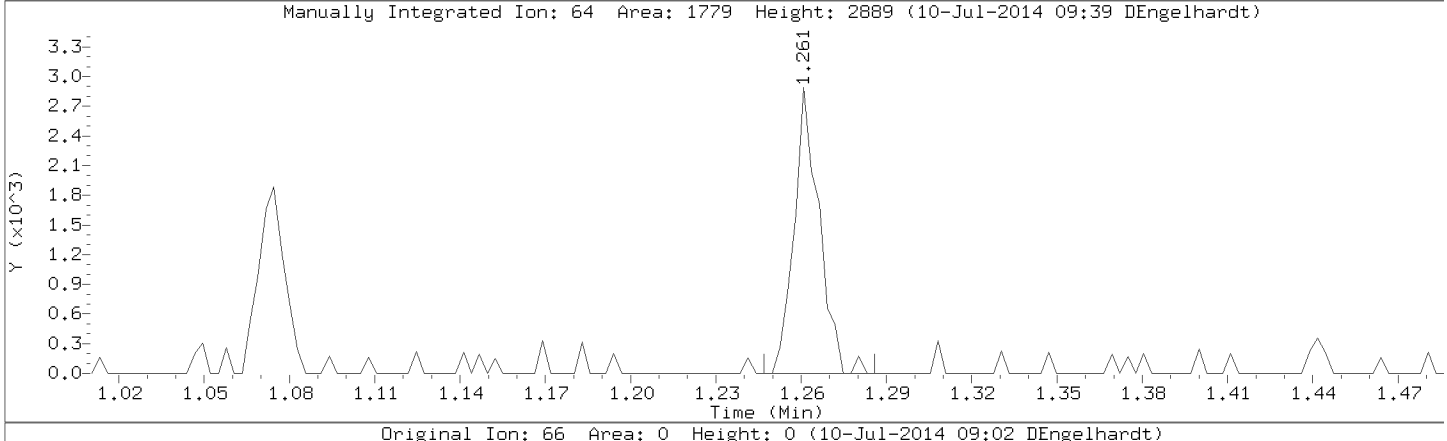
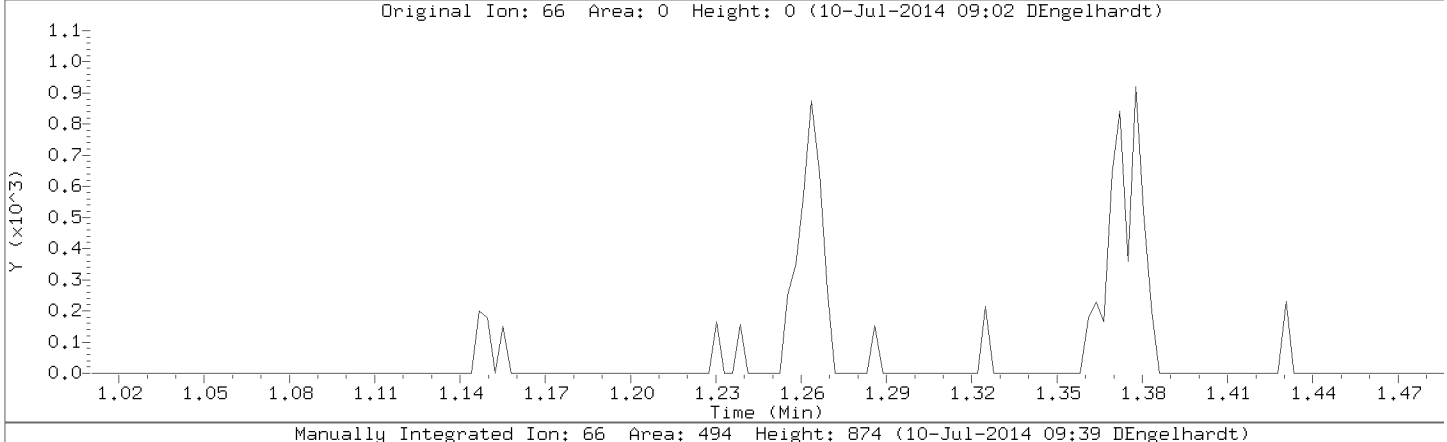
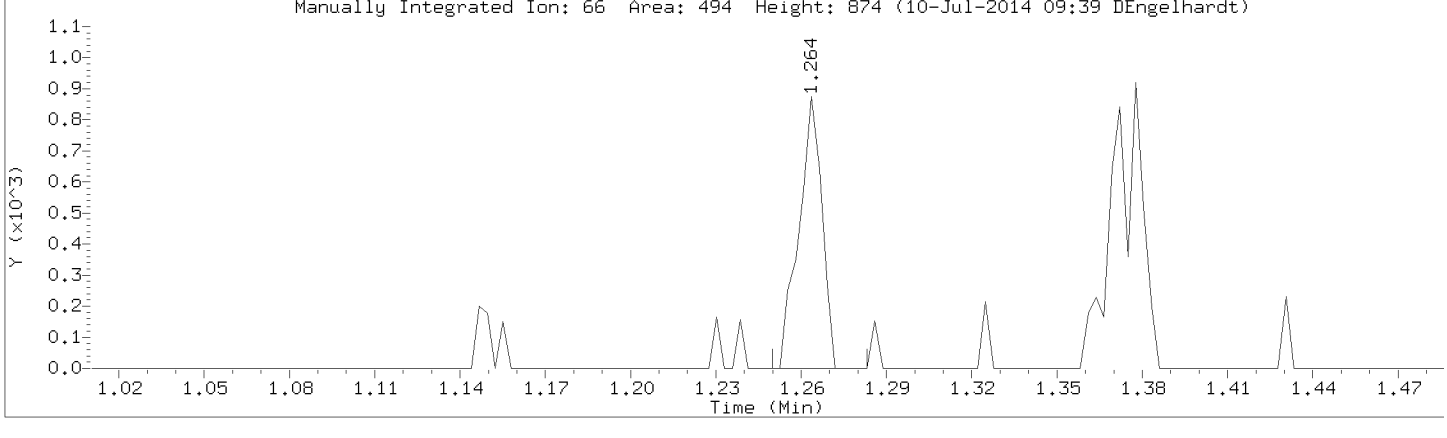
Lab Sample ID: 8260-CAL2,72088:0

Compound: Chloroethane
CAS Number: 75-00-3









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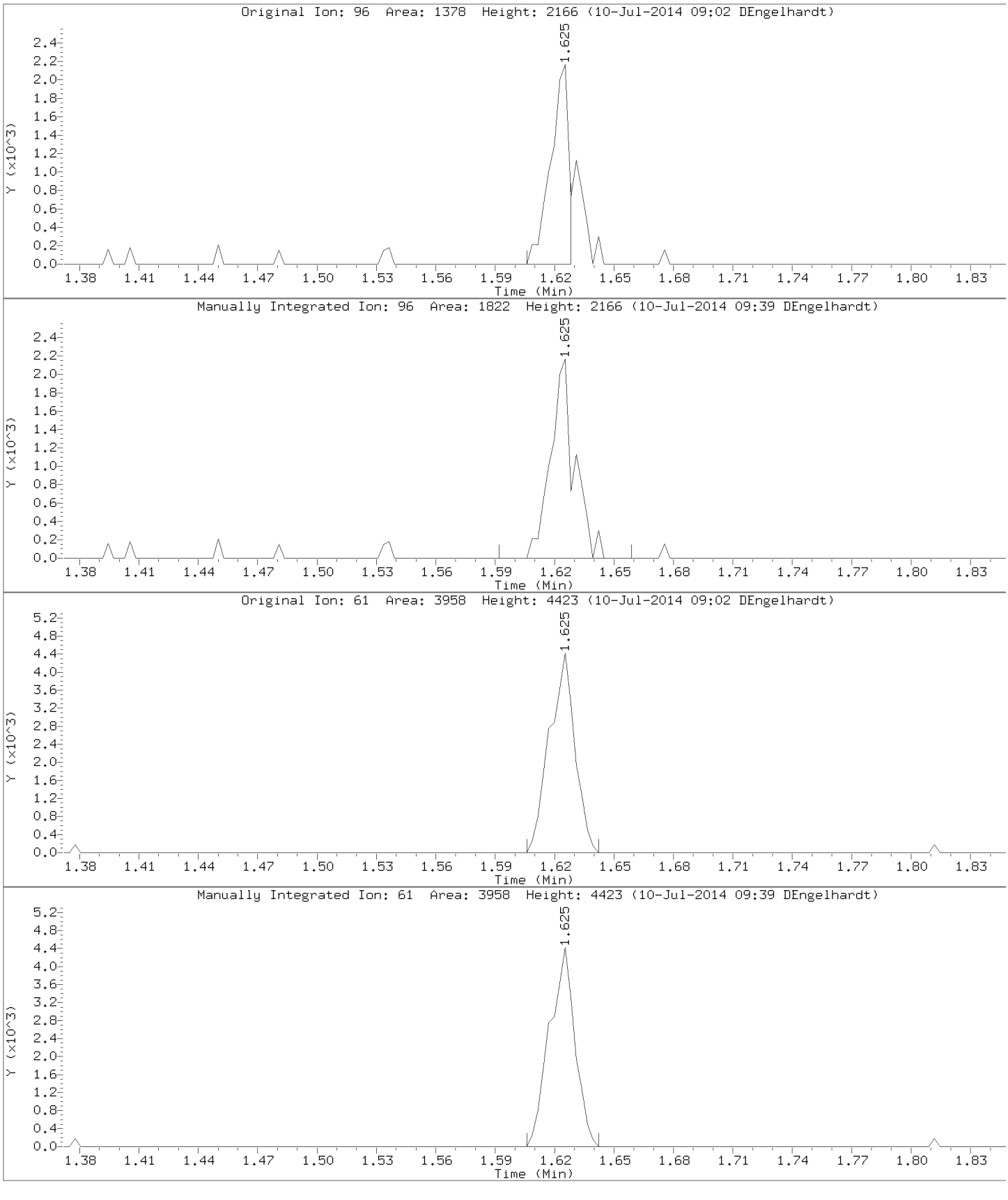
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

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



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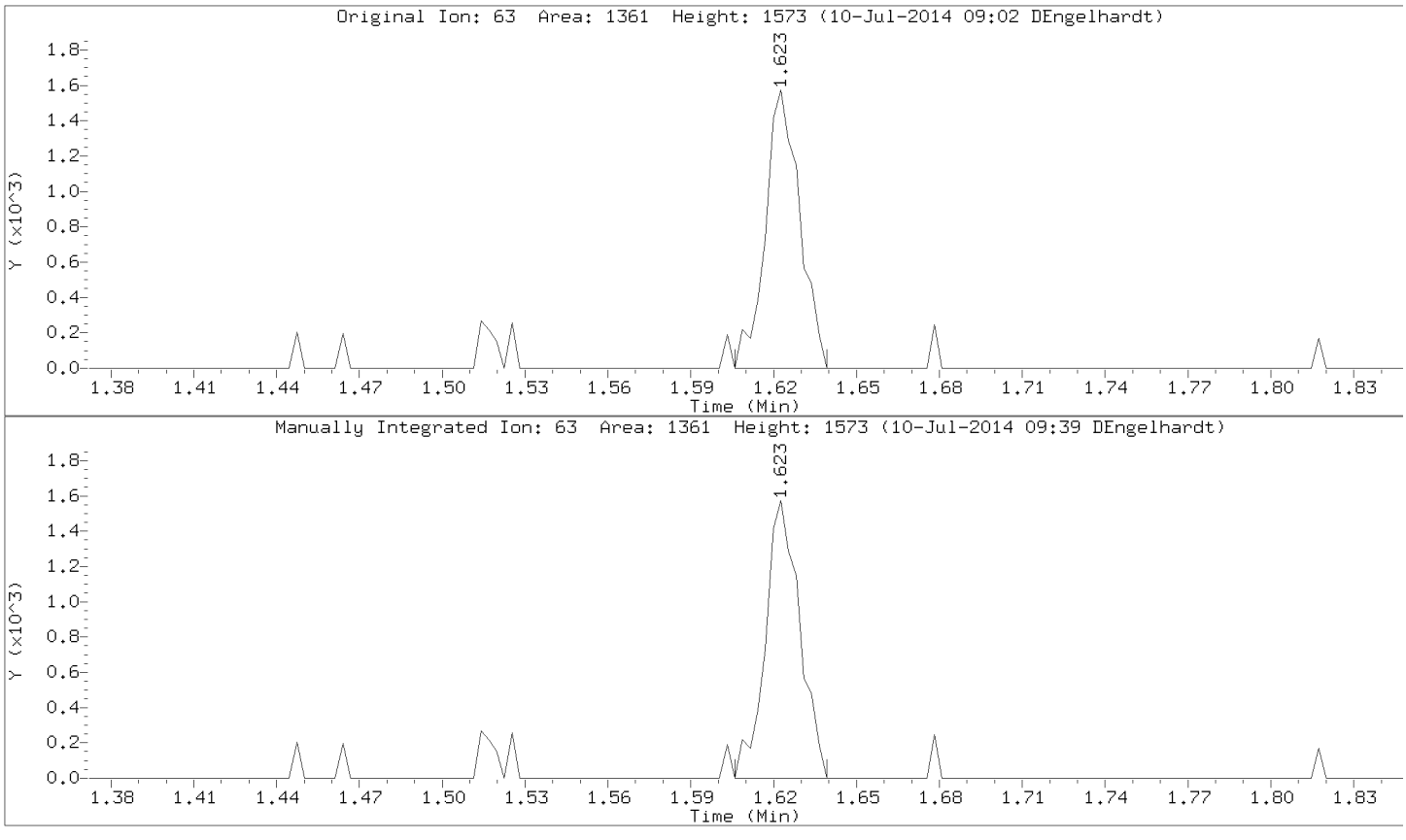

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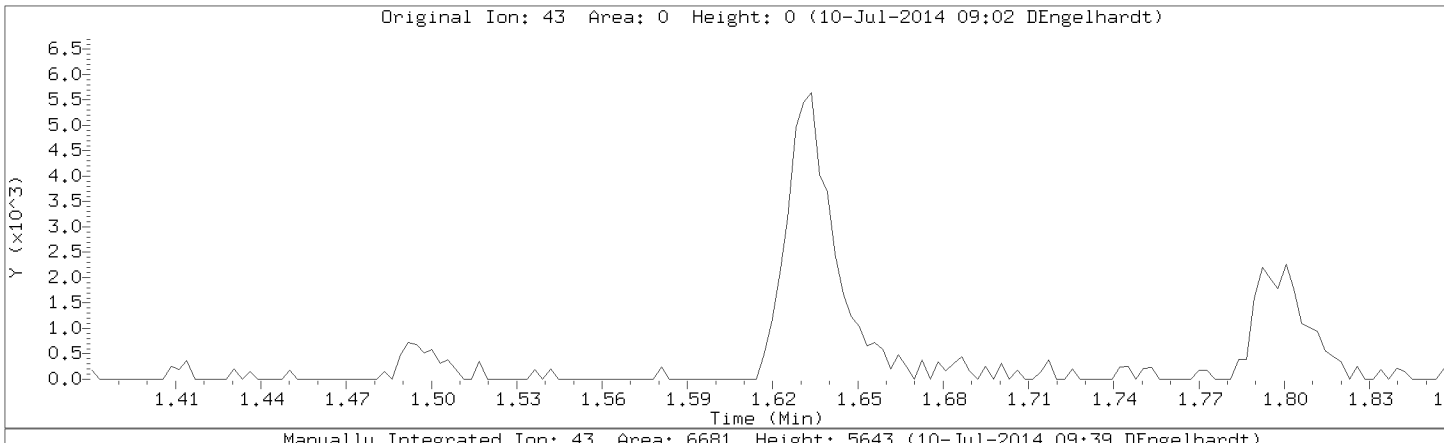
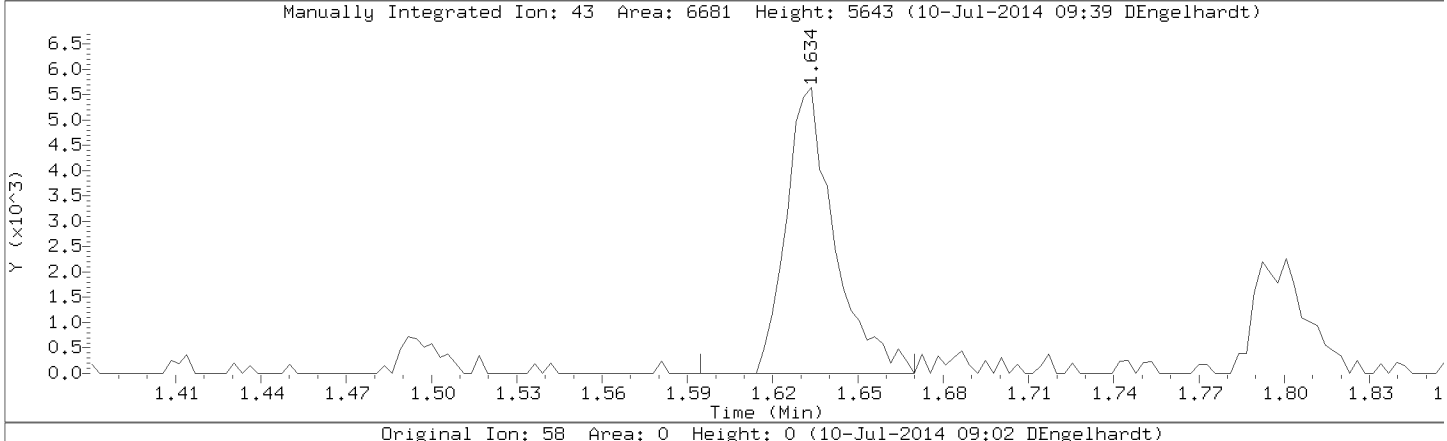
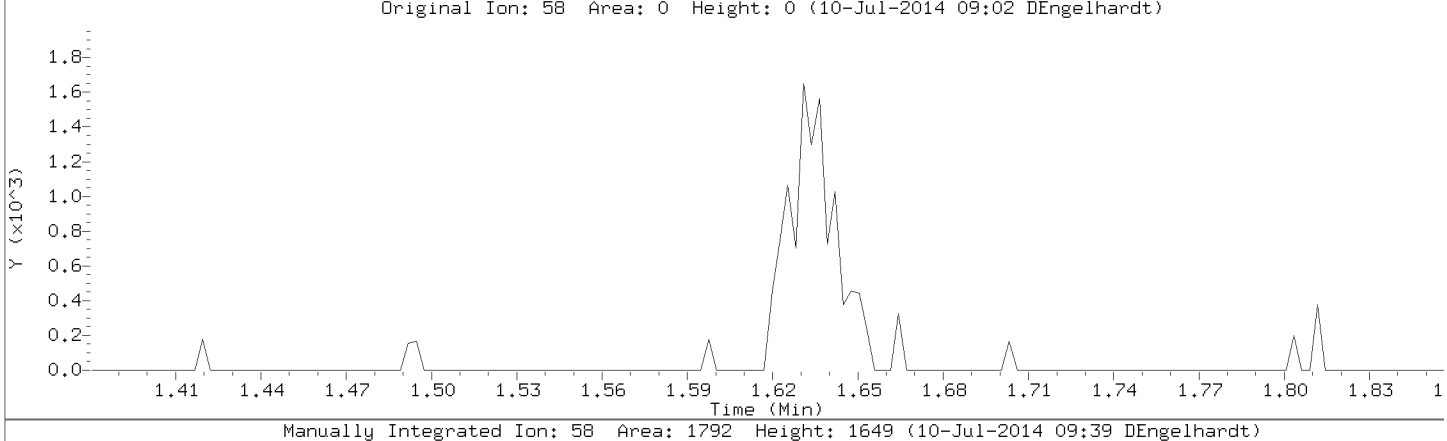
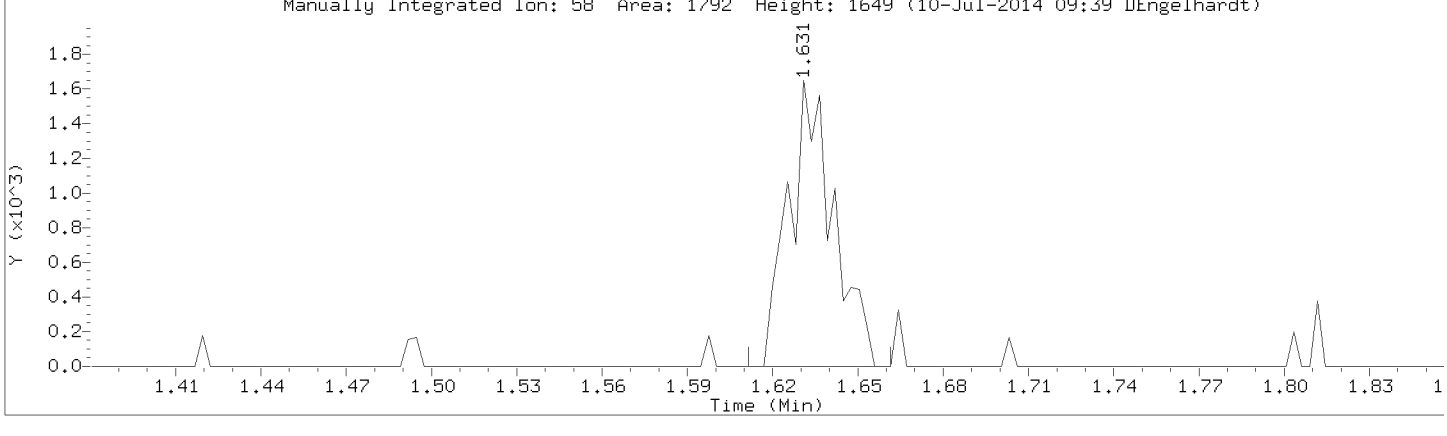
Lab Sample ID: 8260-CAL2,72088:0

Compound: Acetone
CAS Number: 67-64-1









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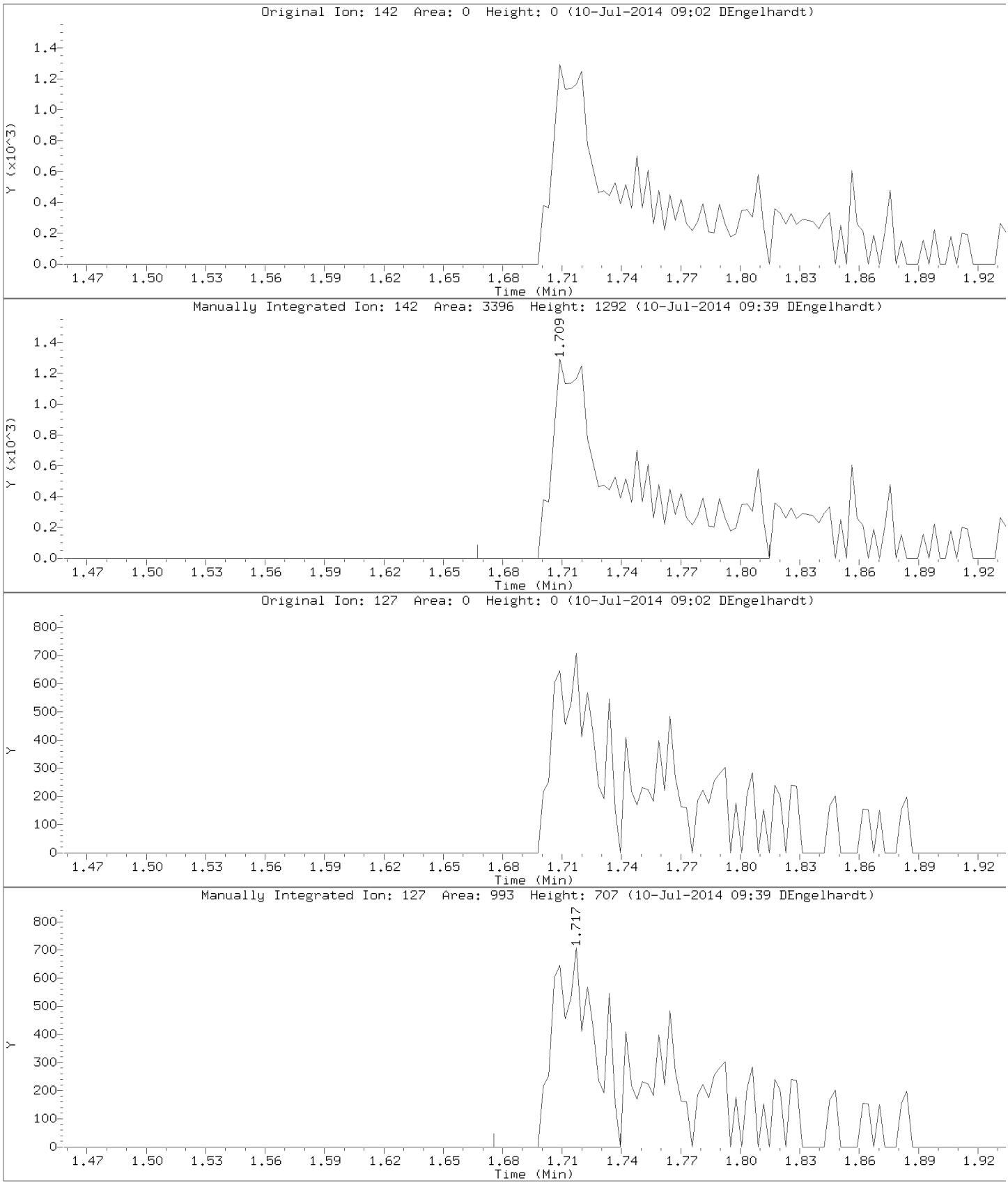
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Iodomethane
CAS Number:



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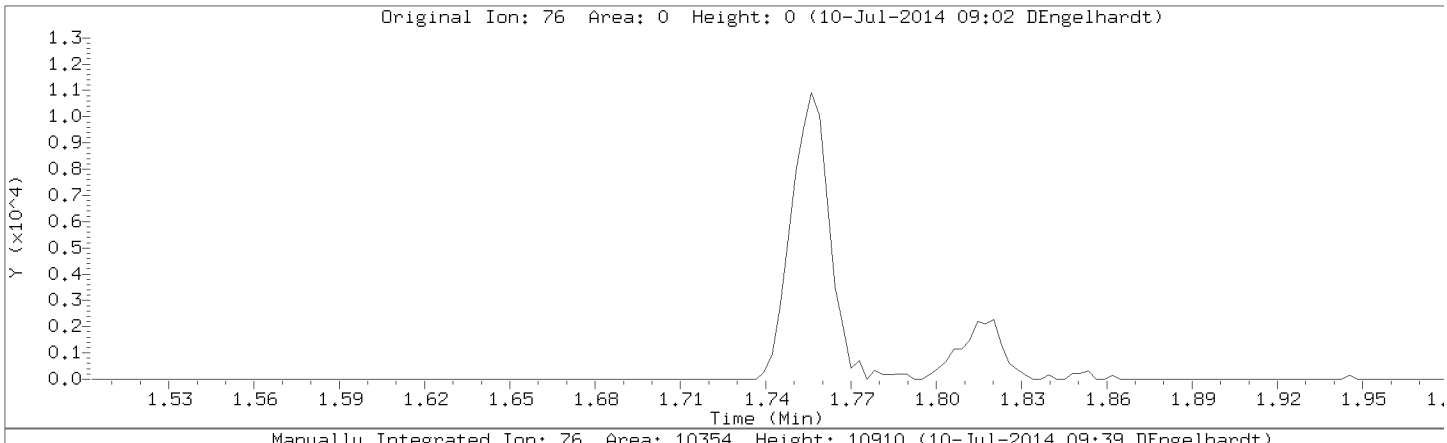
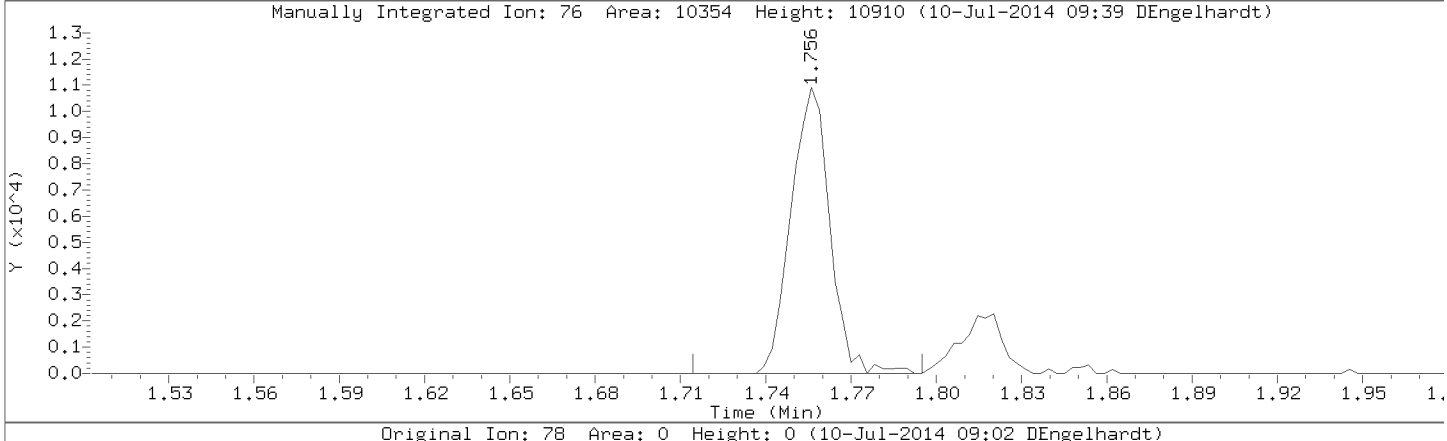
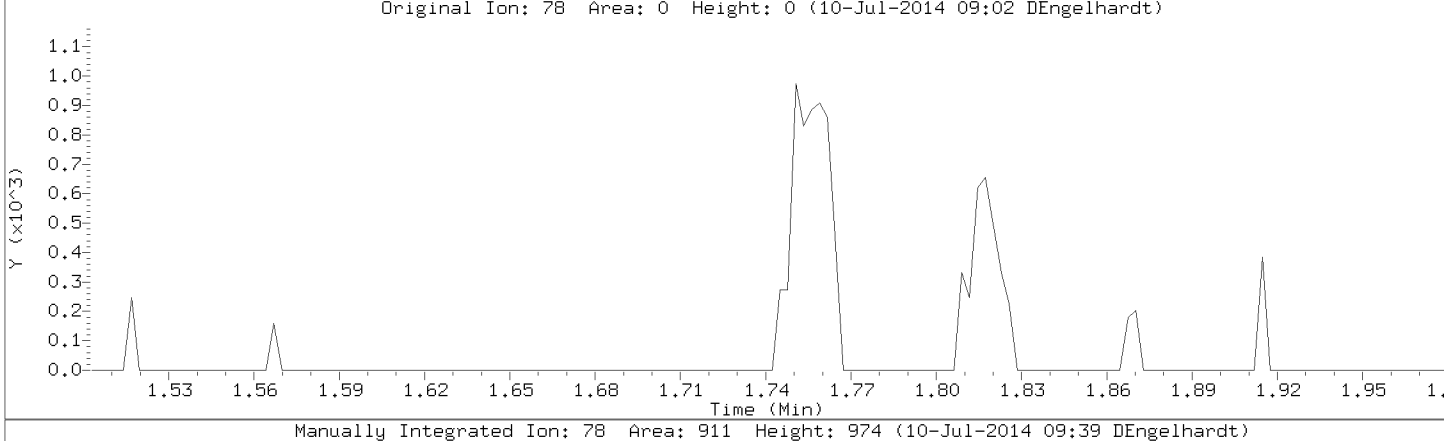
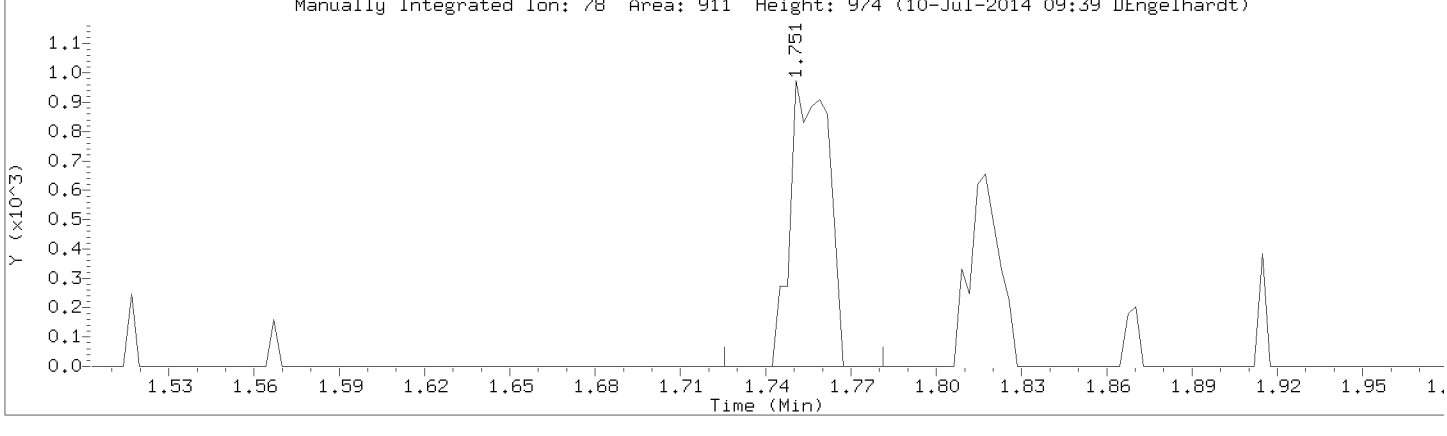
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Carbon Disulfide
CAS Number: 75-15-0









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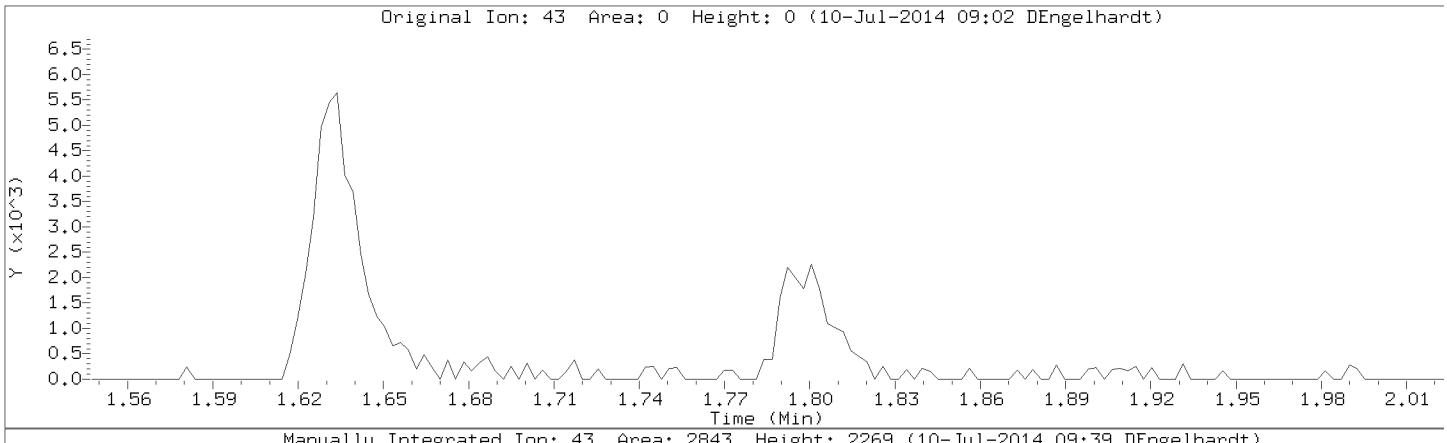
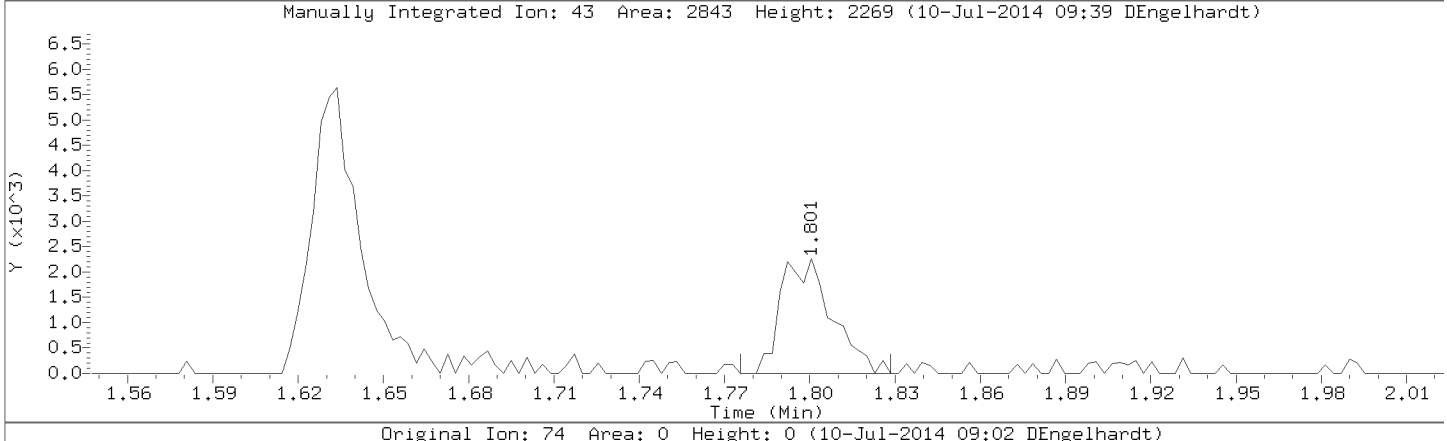
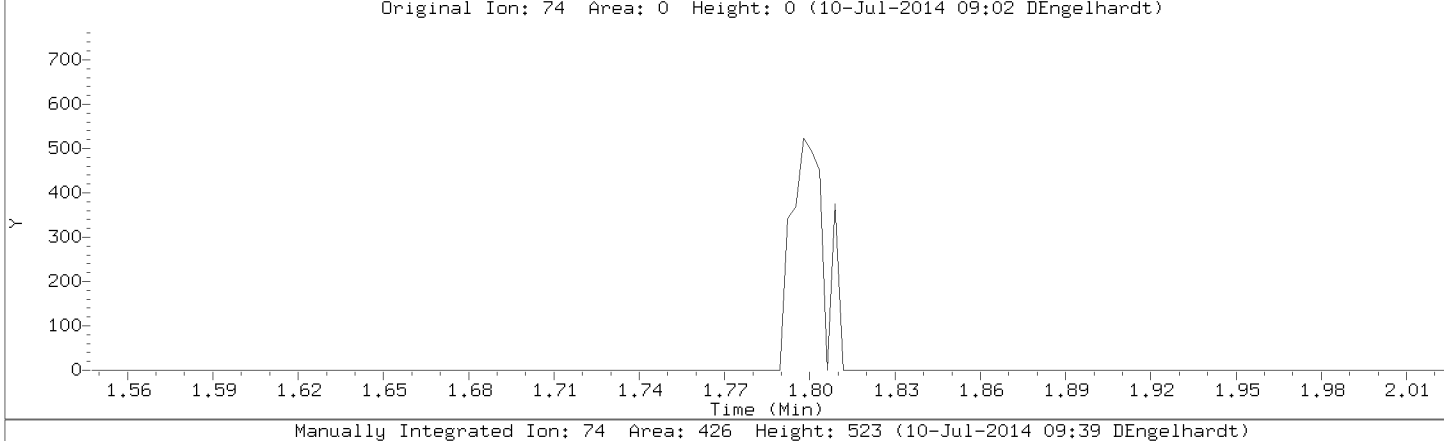
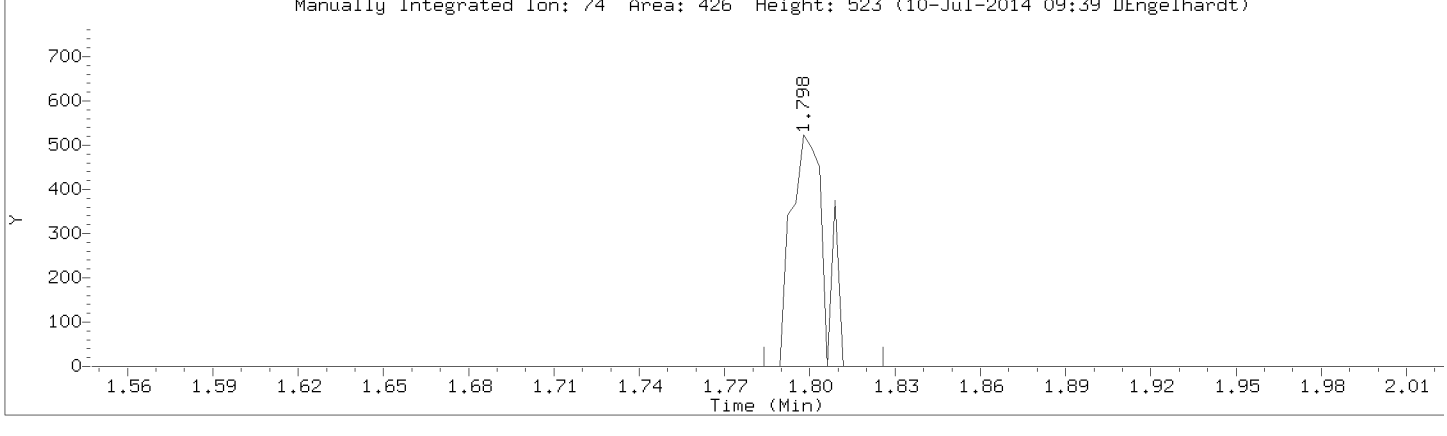
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Methyl Acetate
CAS Number: 79-20-9









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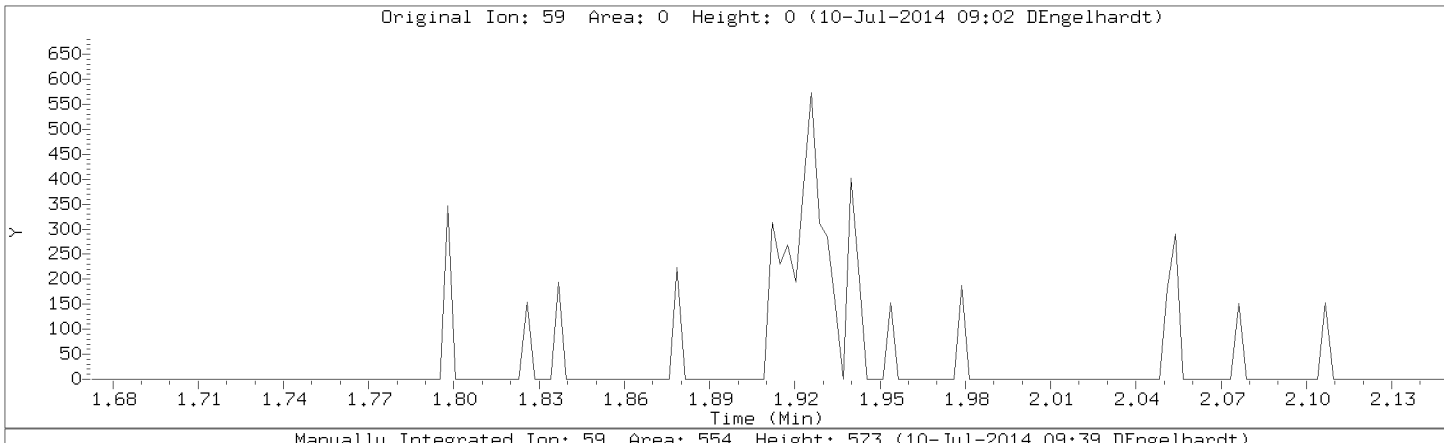
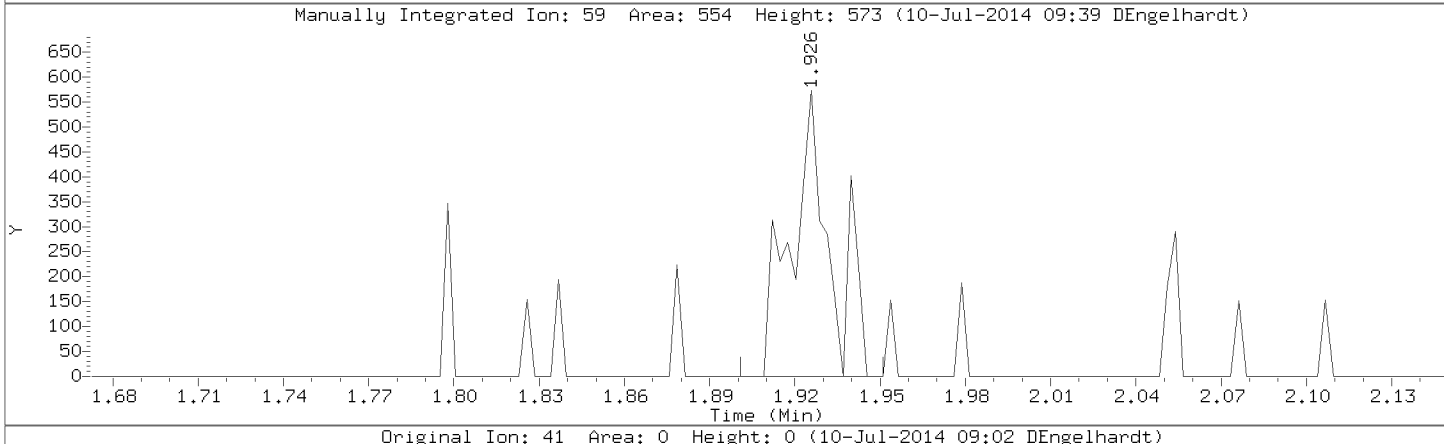
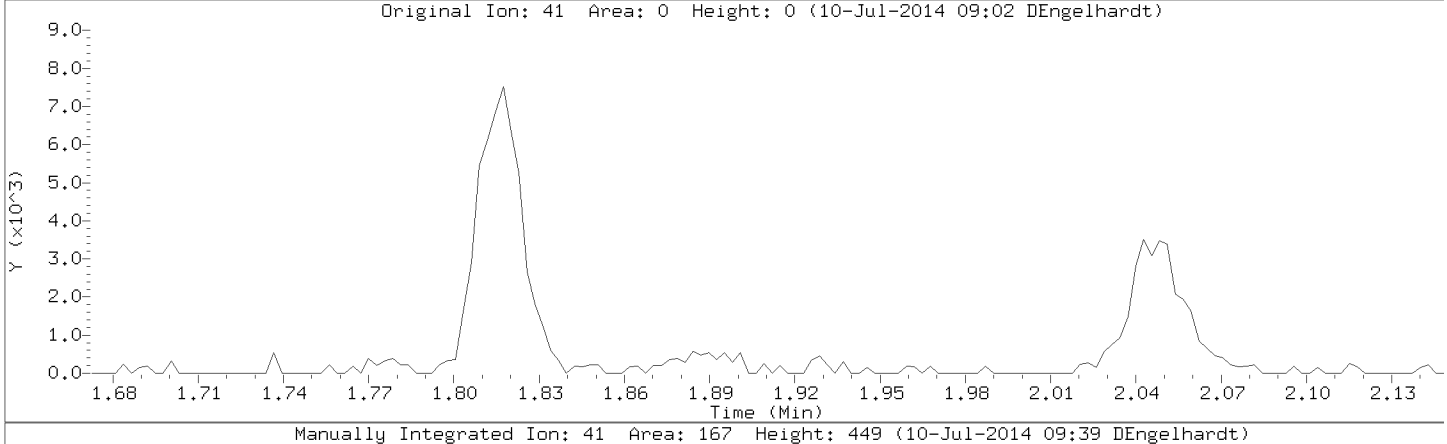
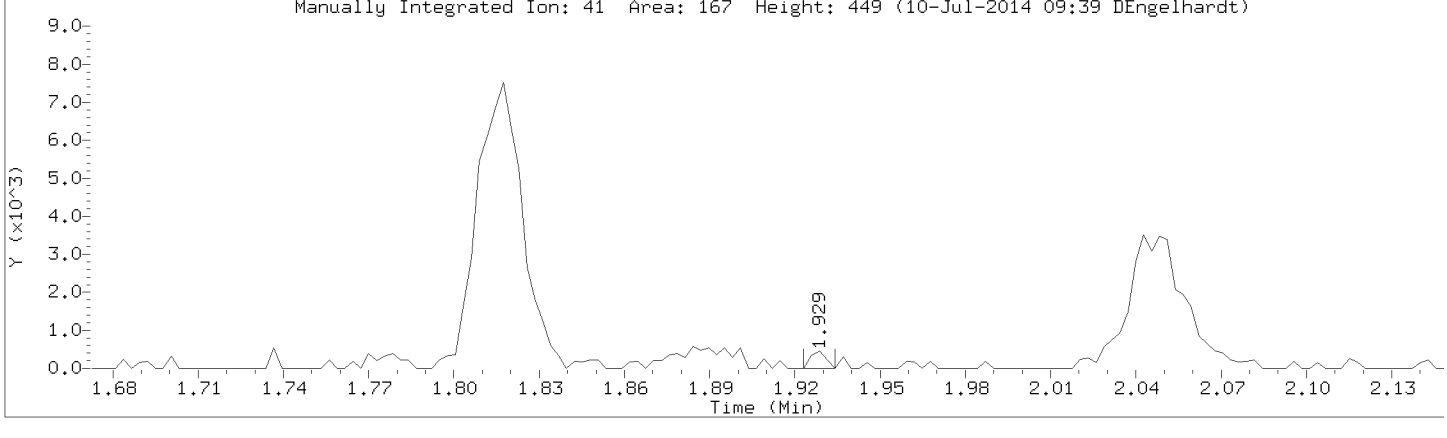
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

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









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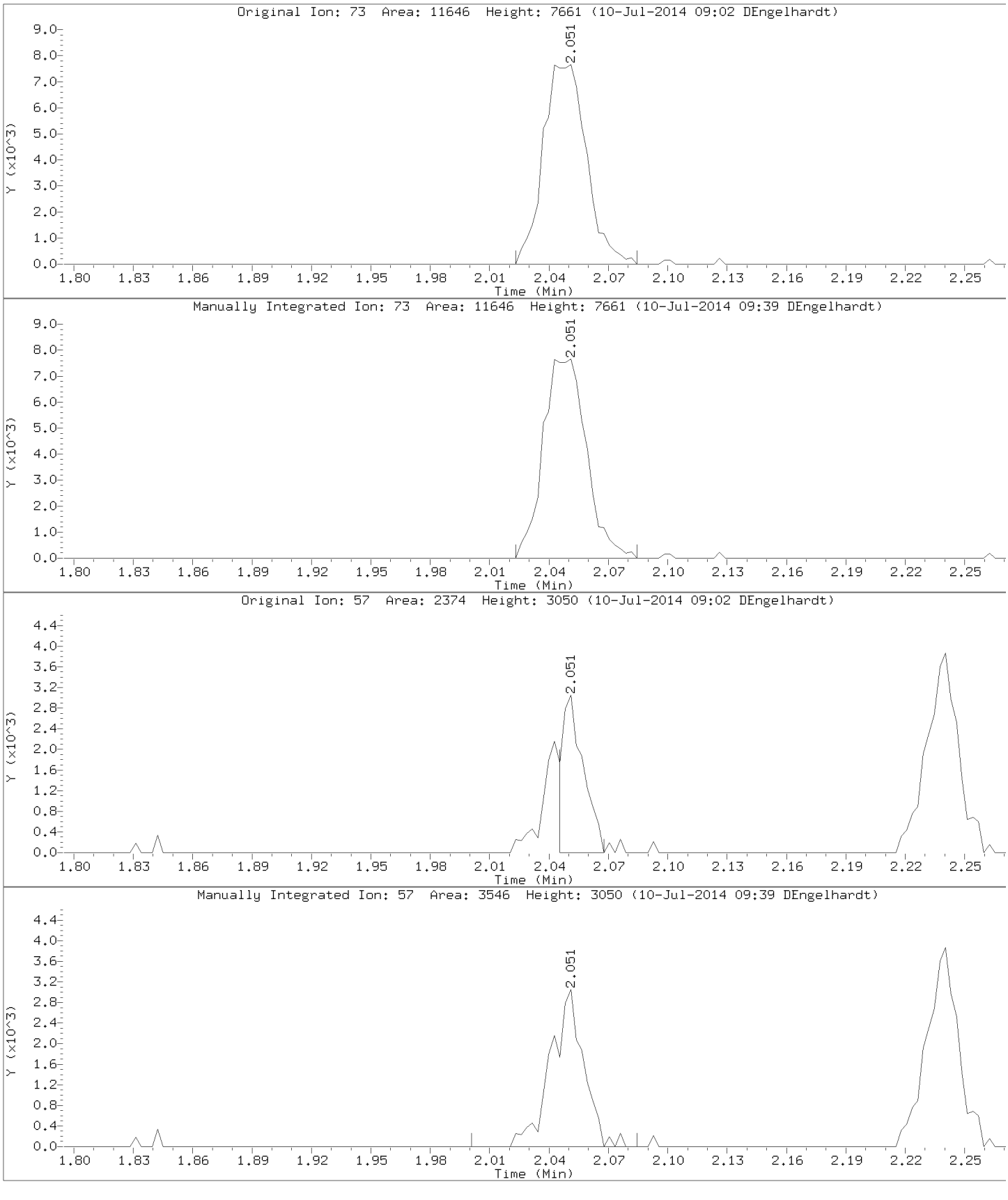
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Methyl-tert-butyl ether
CAS Number: 1634-04-4



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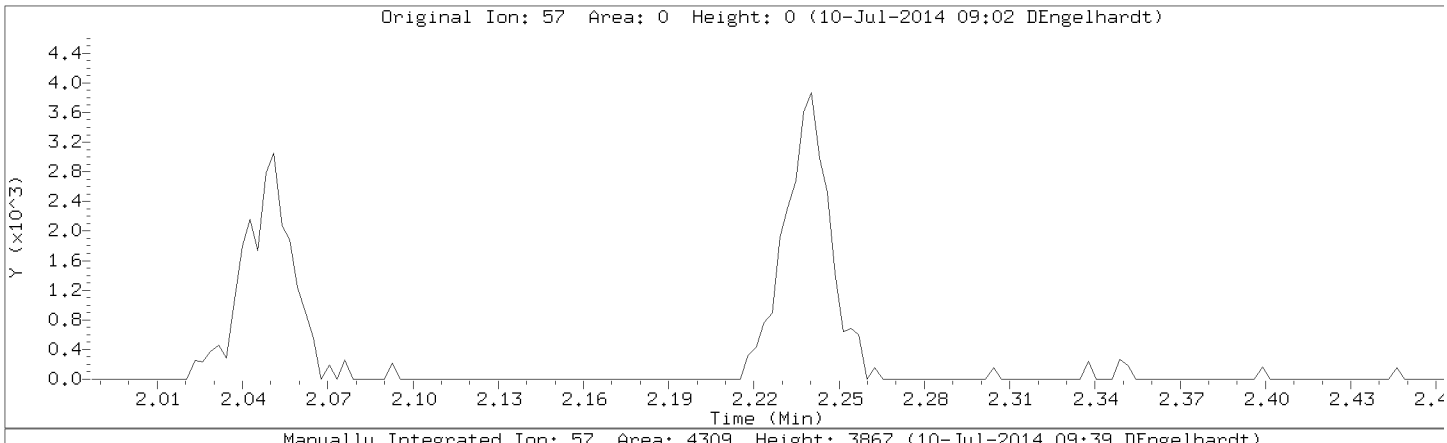
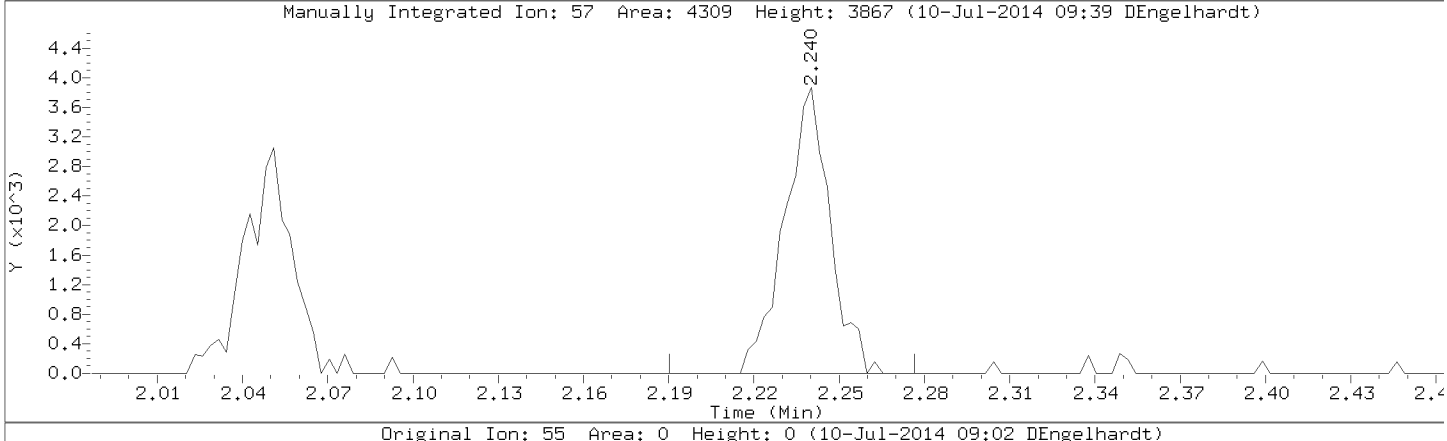
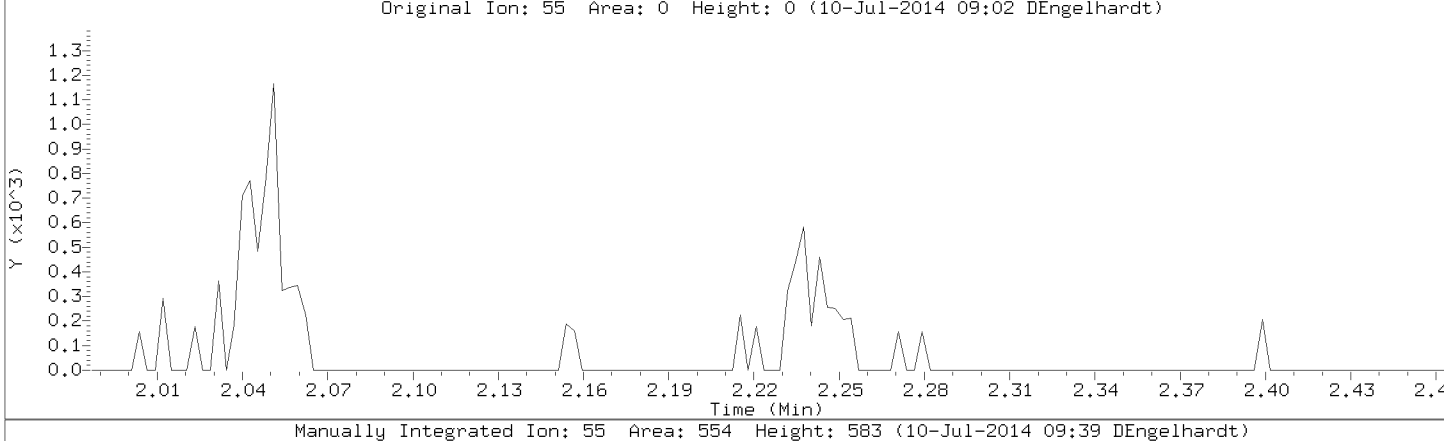
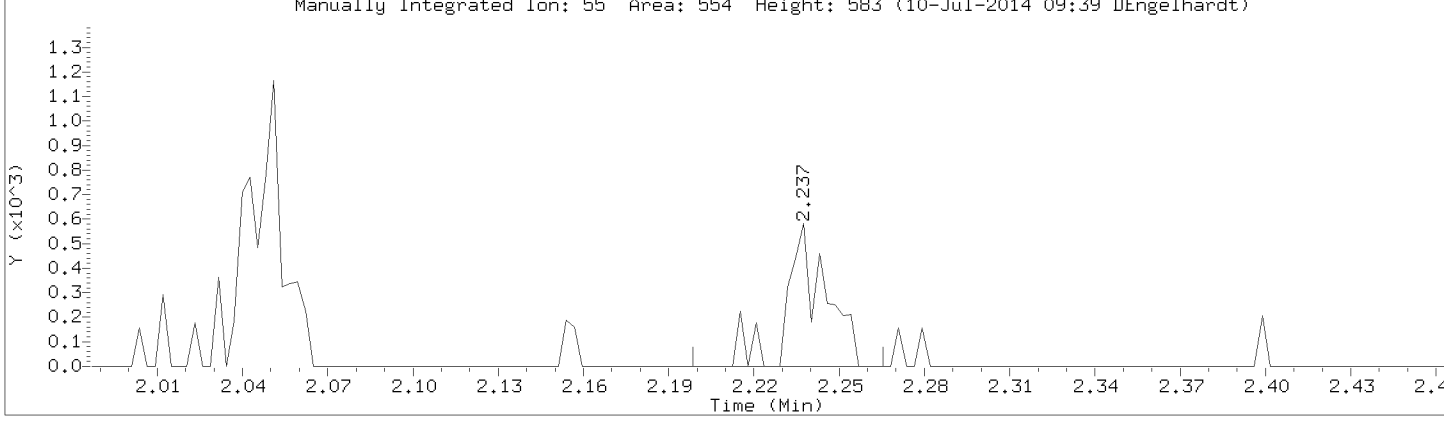
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: n-Hexane
CAS Number:









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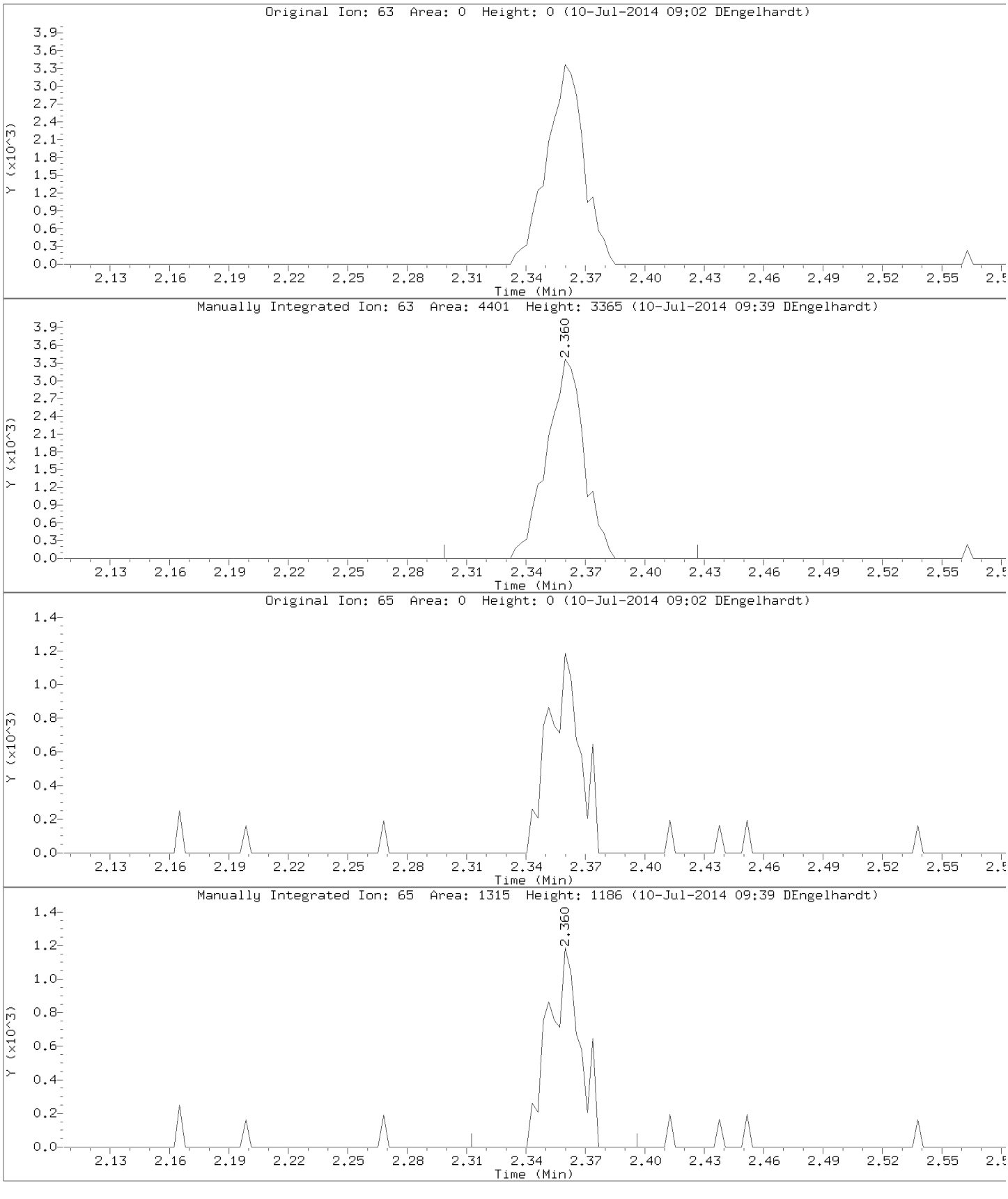
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3



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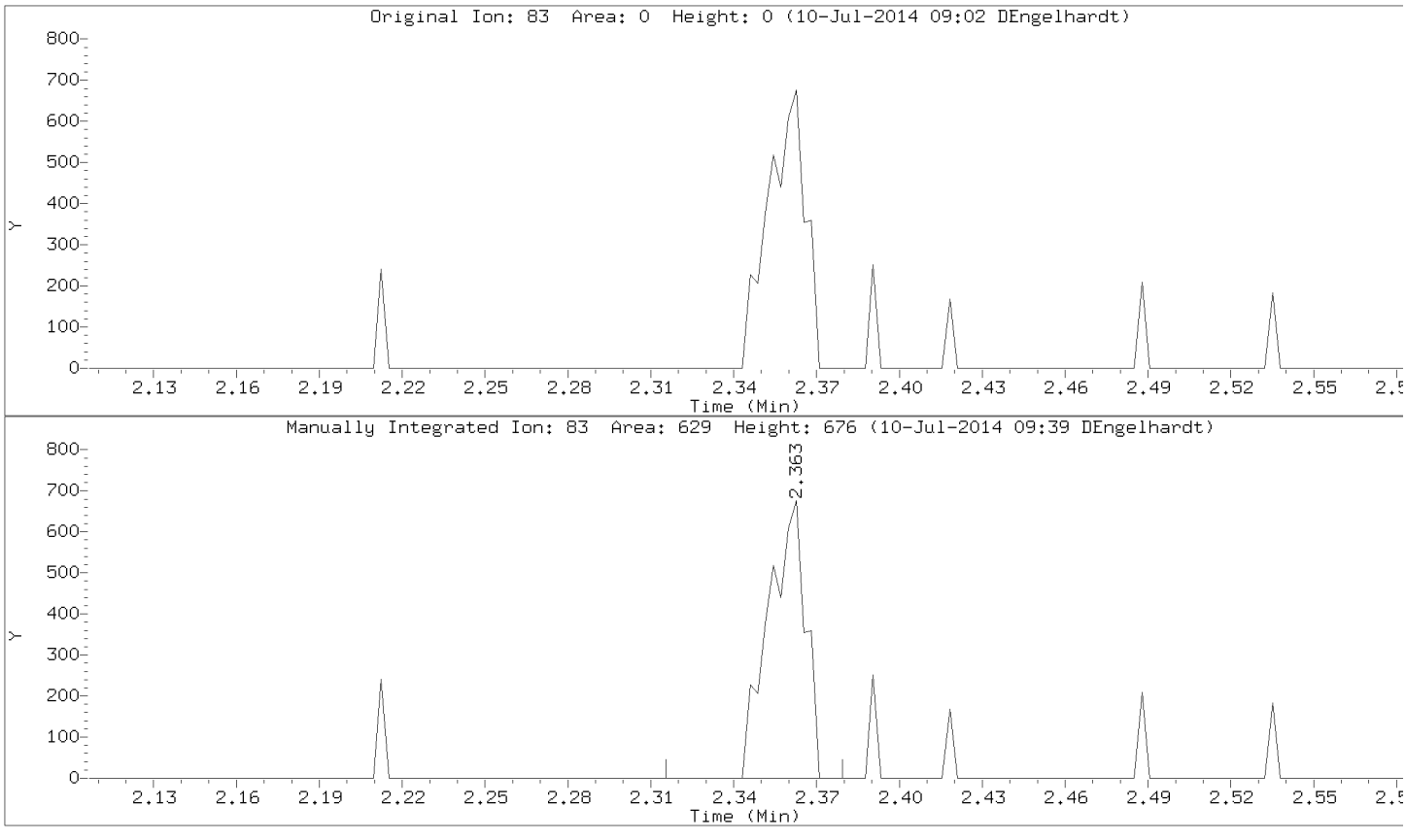

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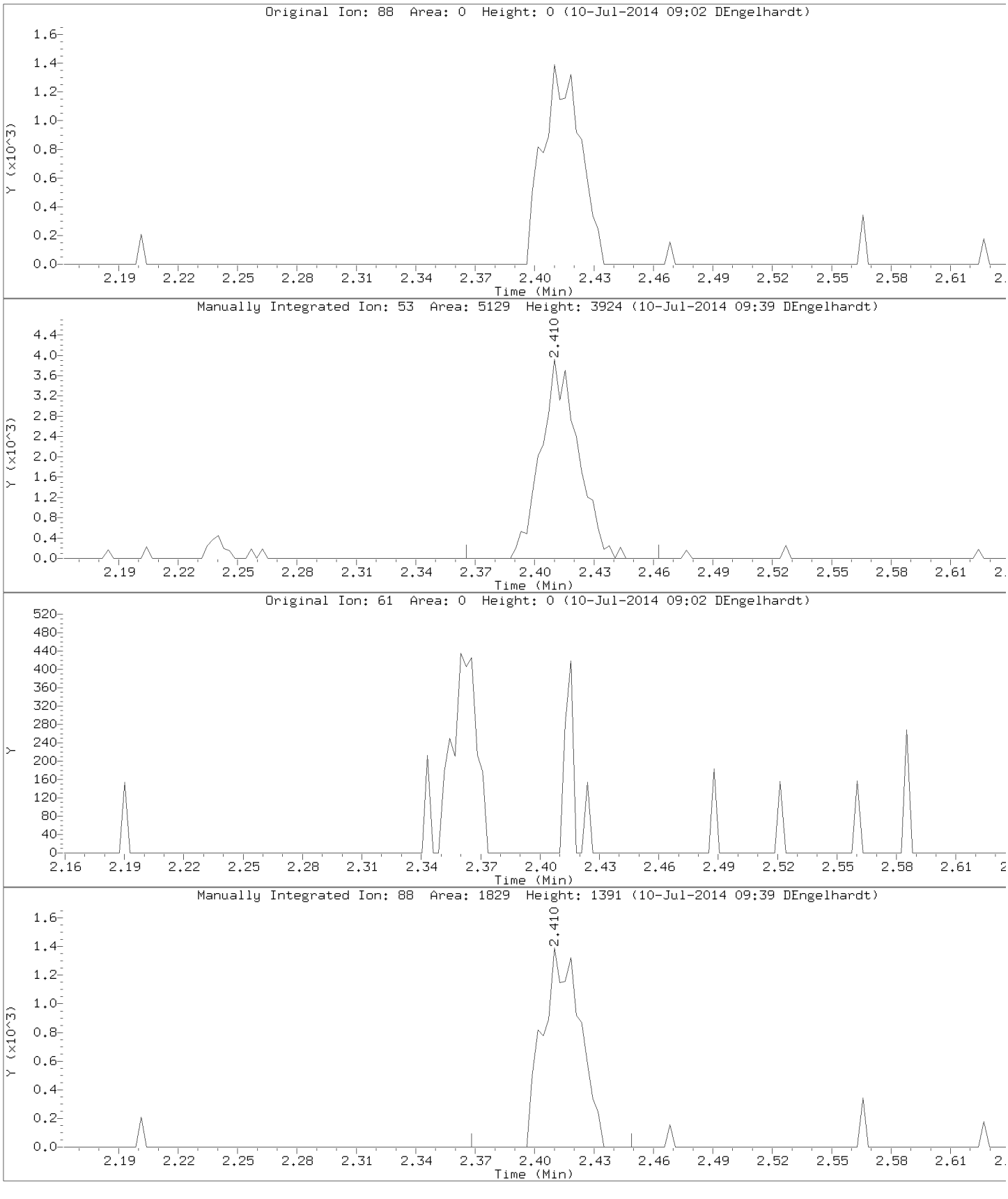
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Chloroprene
CAS Number: 126-99-8



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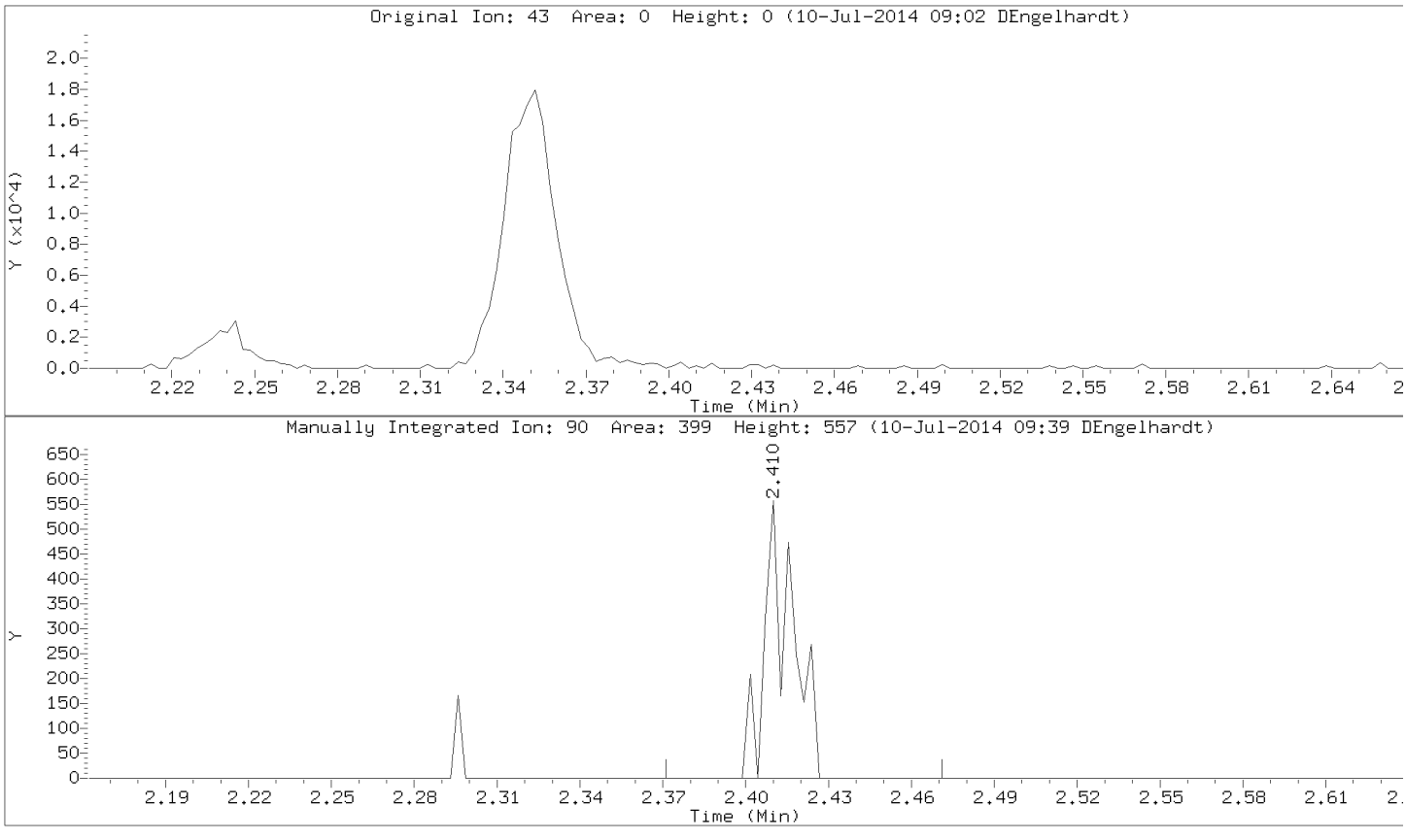

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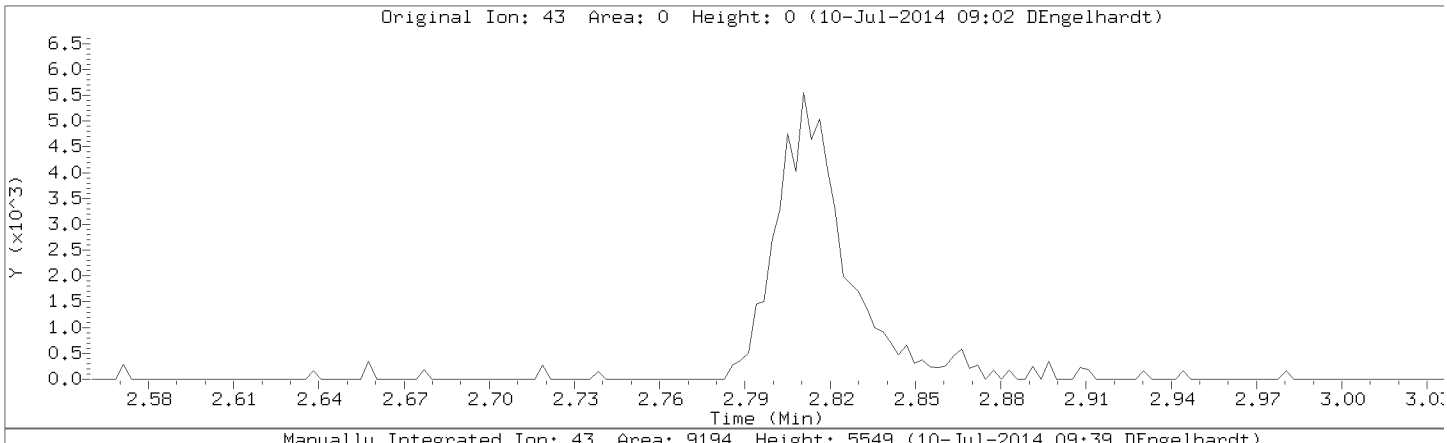
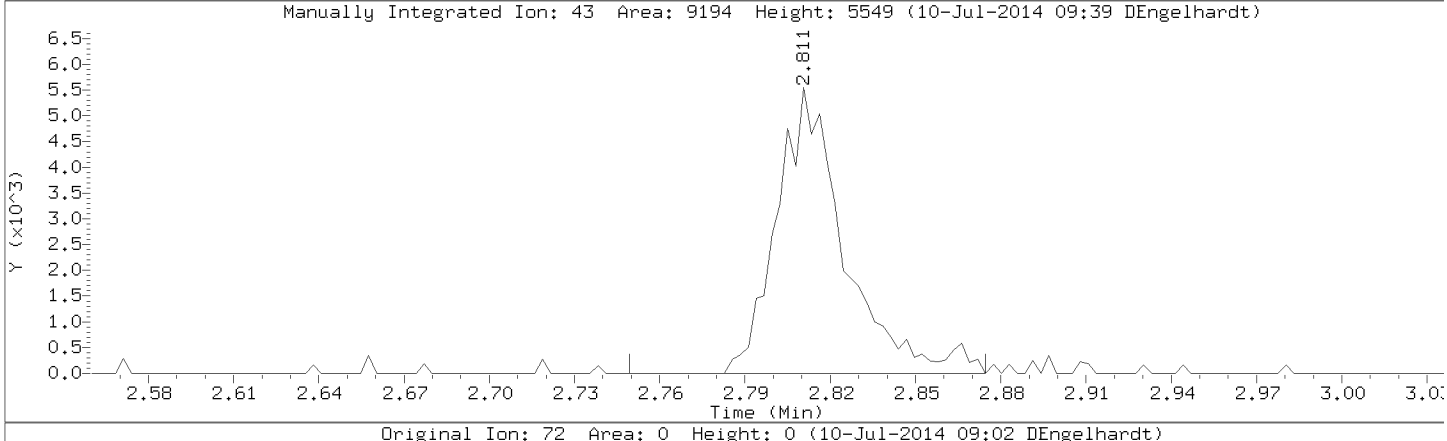
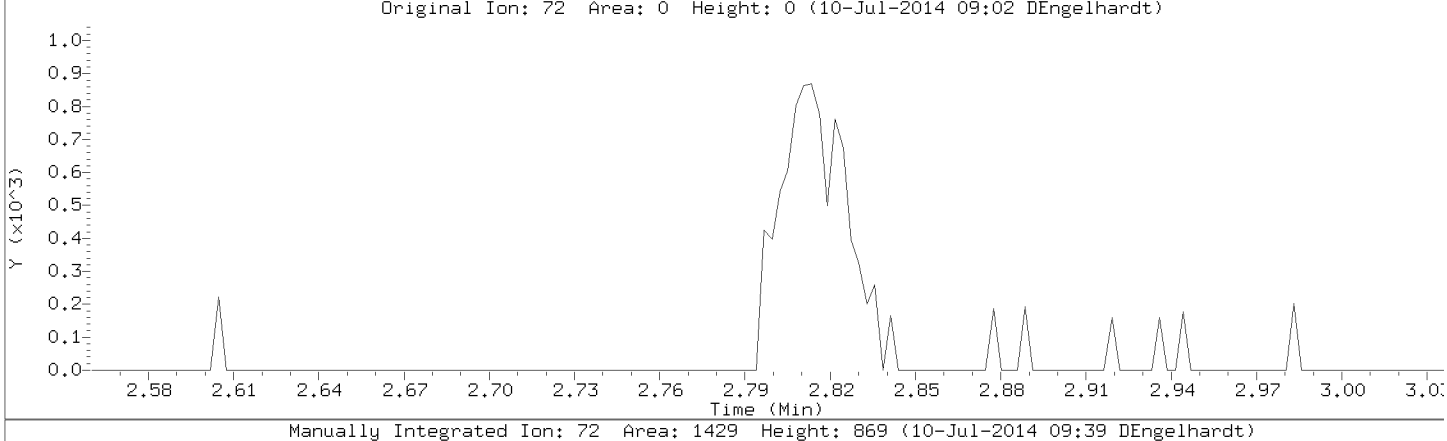
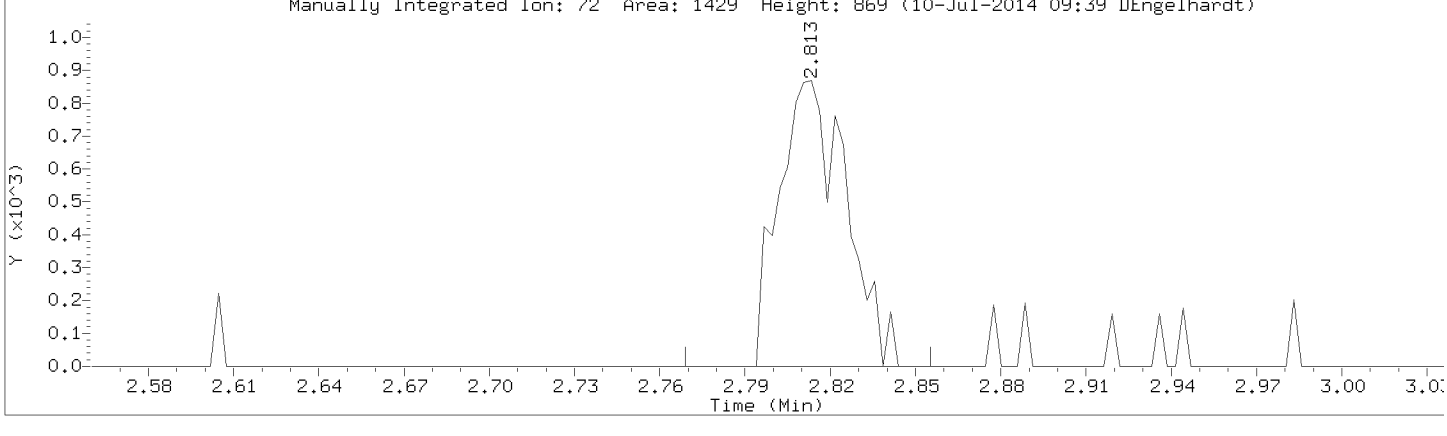
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

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









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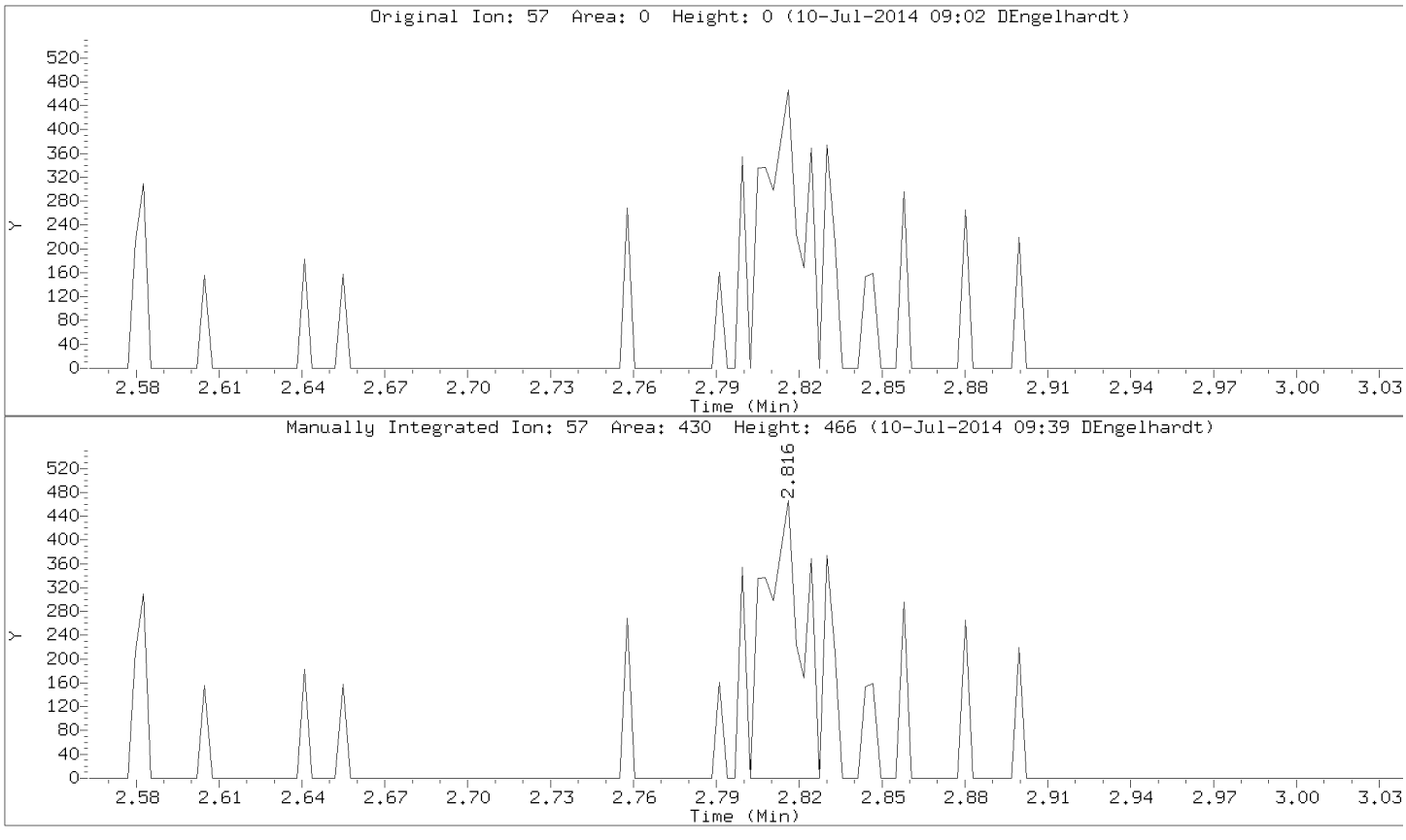
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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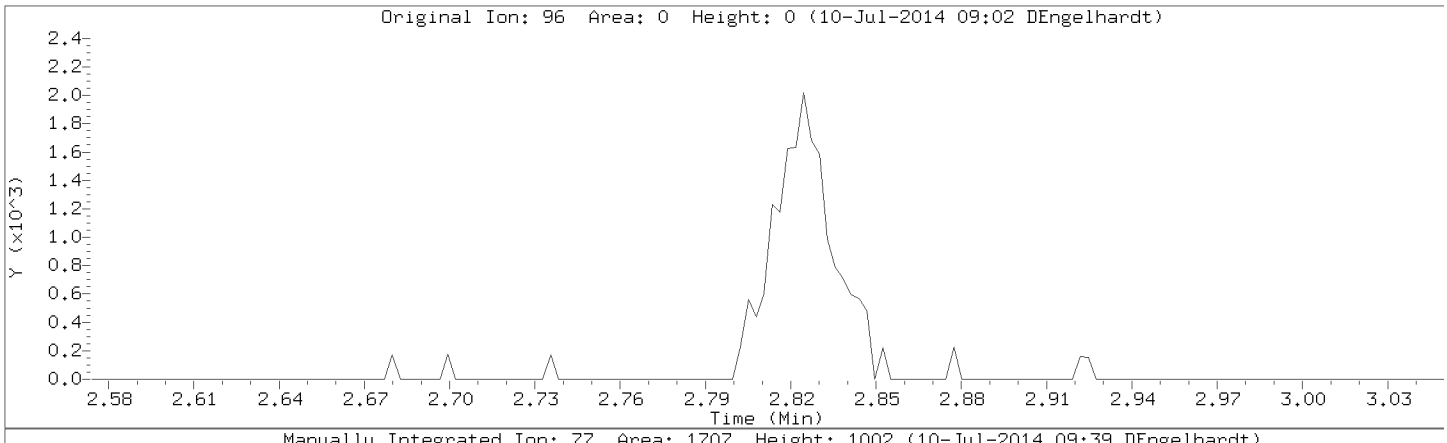
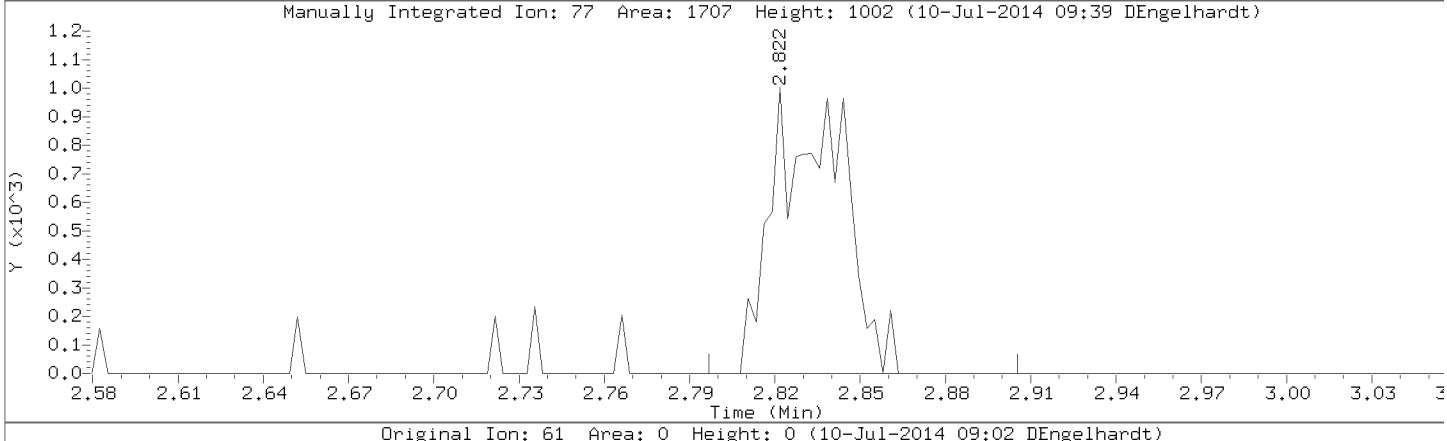
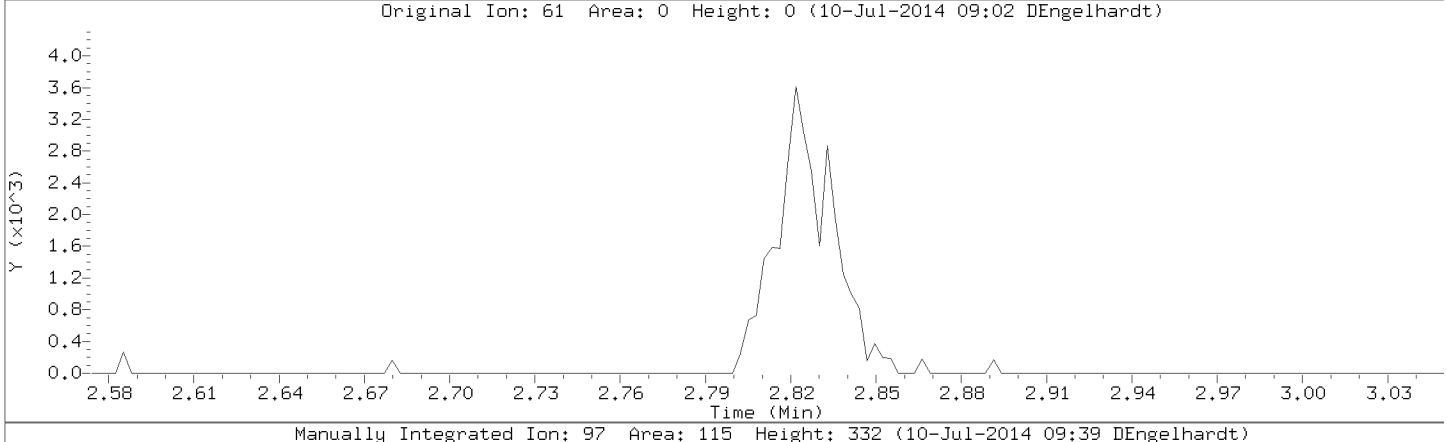
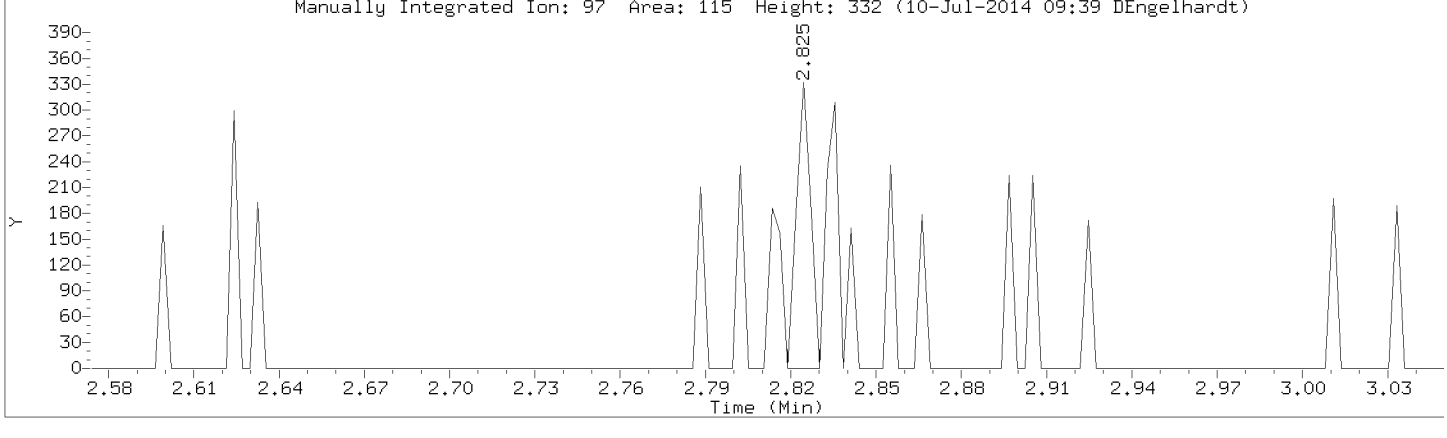
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7









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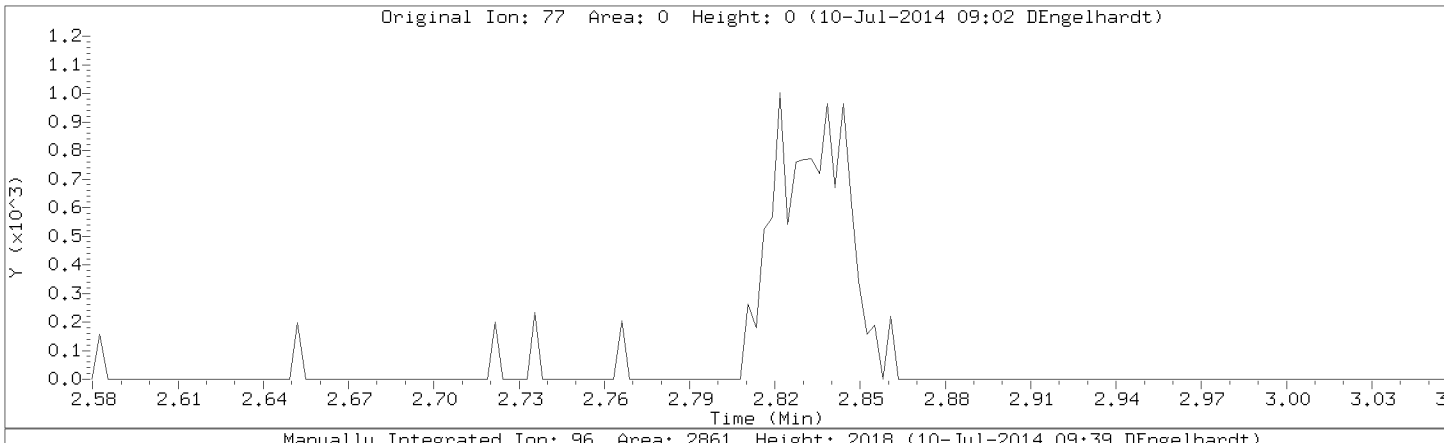
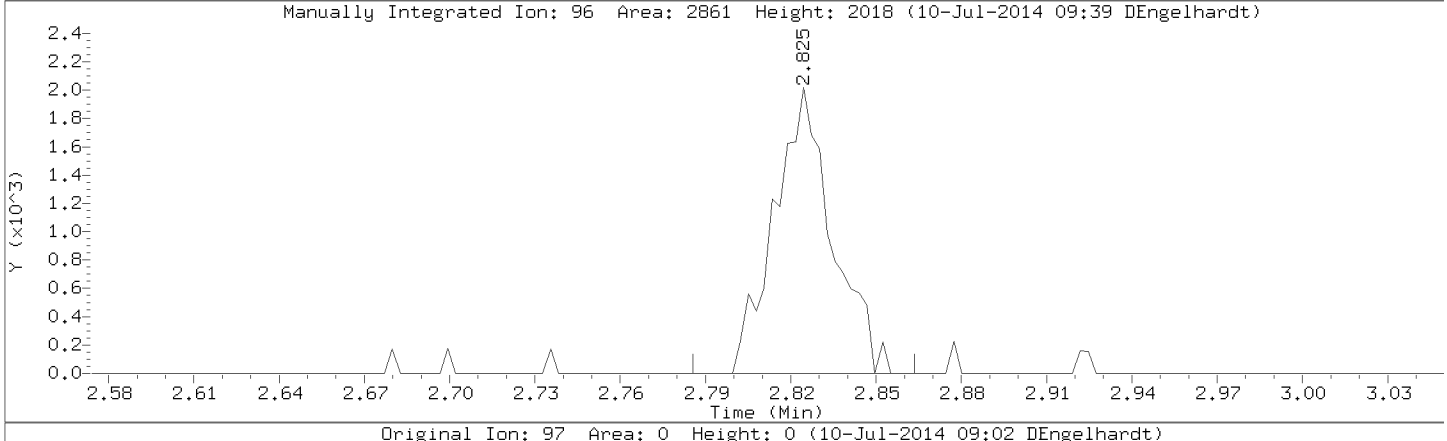
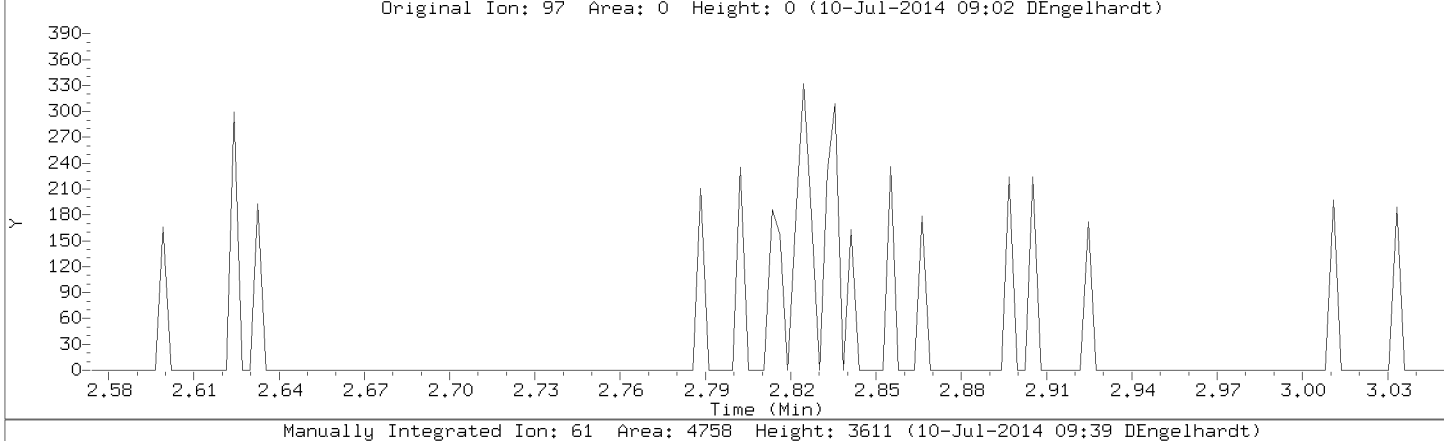
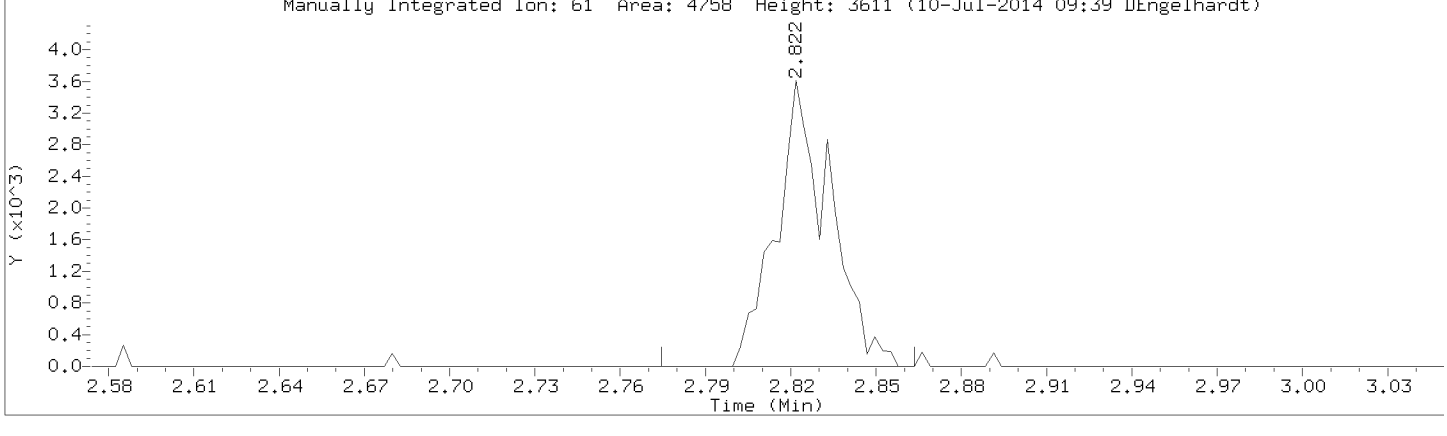
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2-Dichloroethene (cis)
CAS Number: 156-59-2









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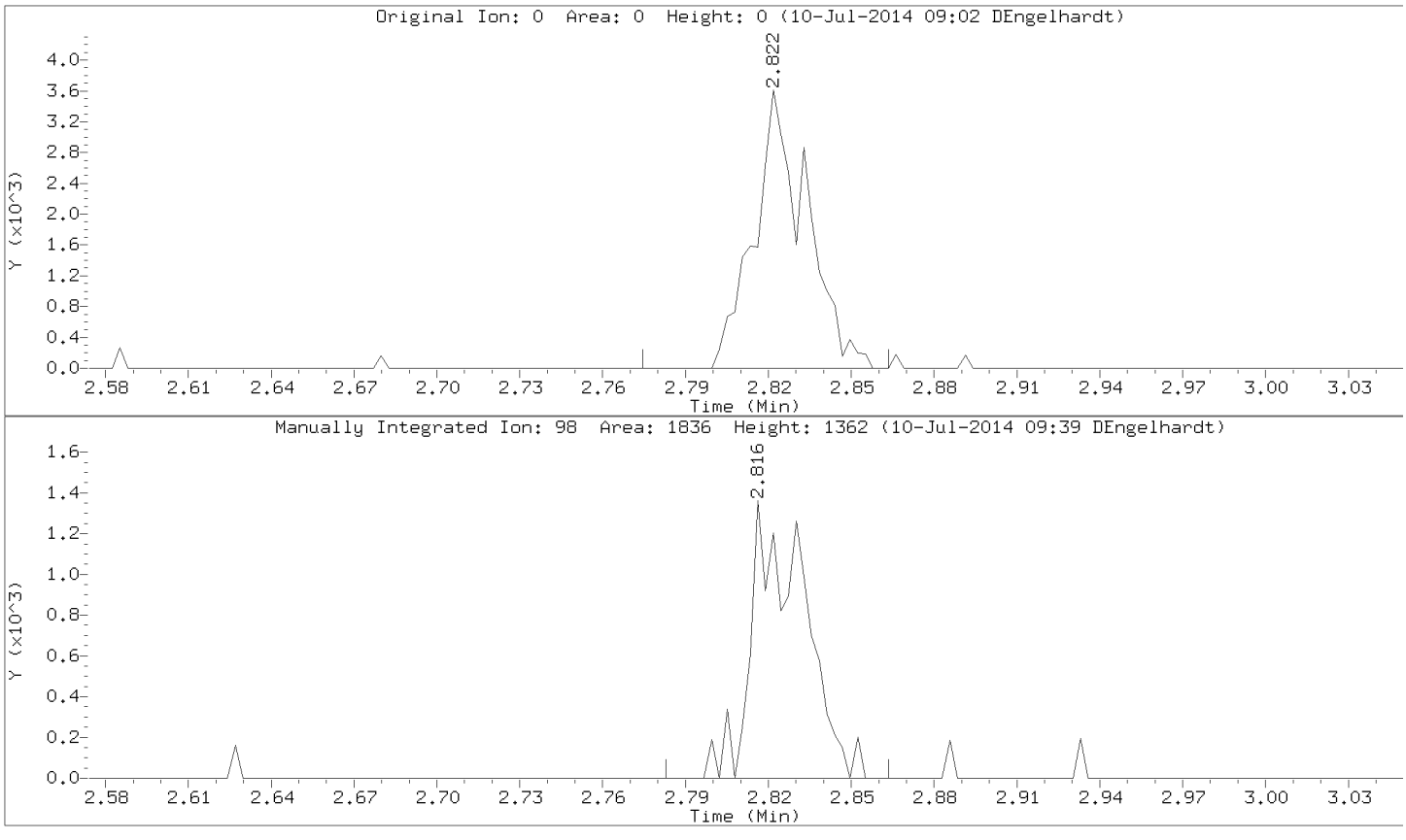
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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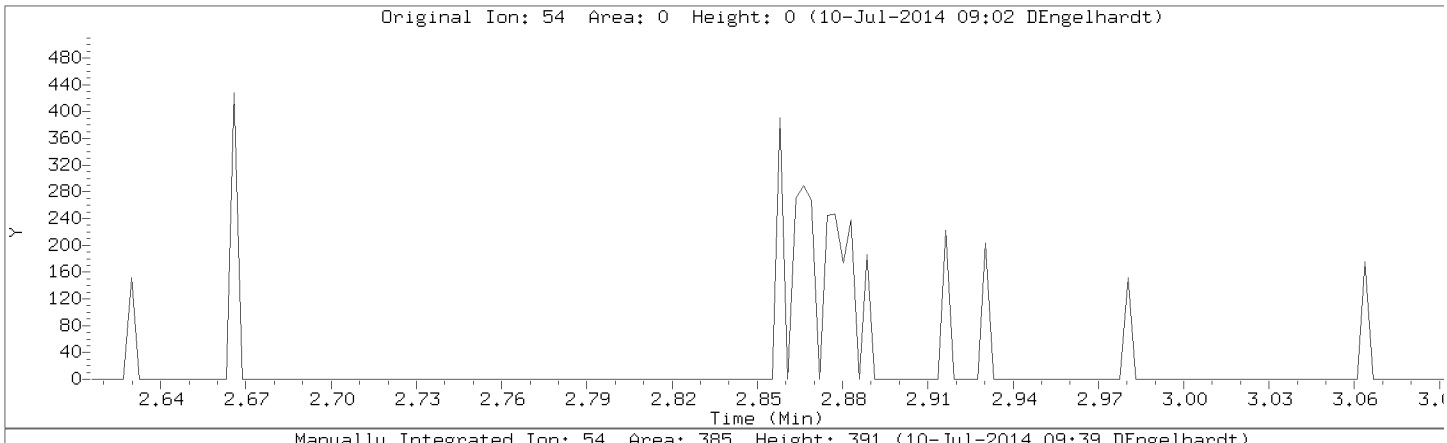
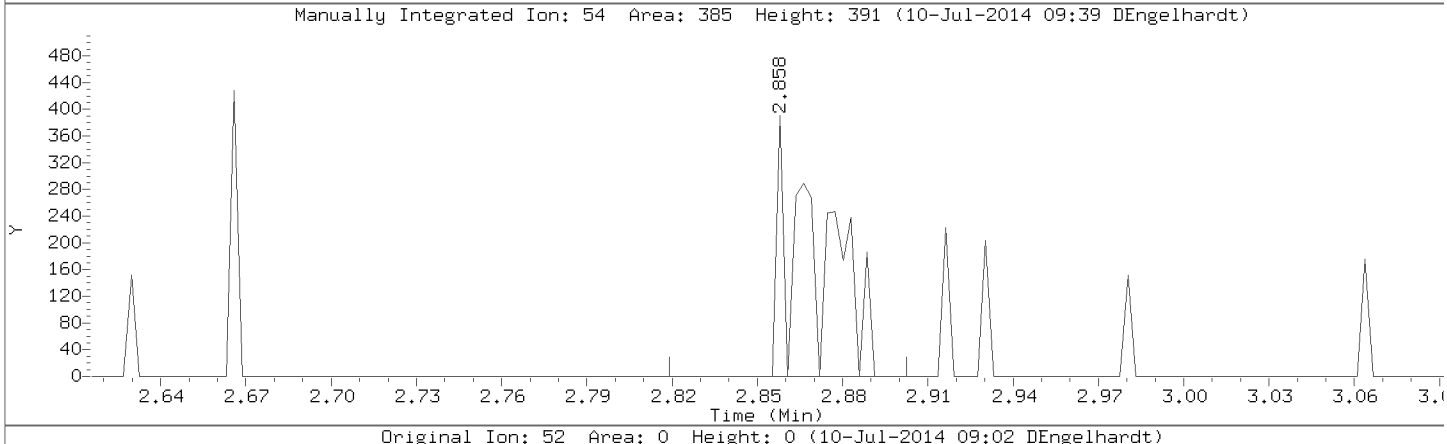
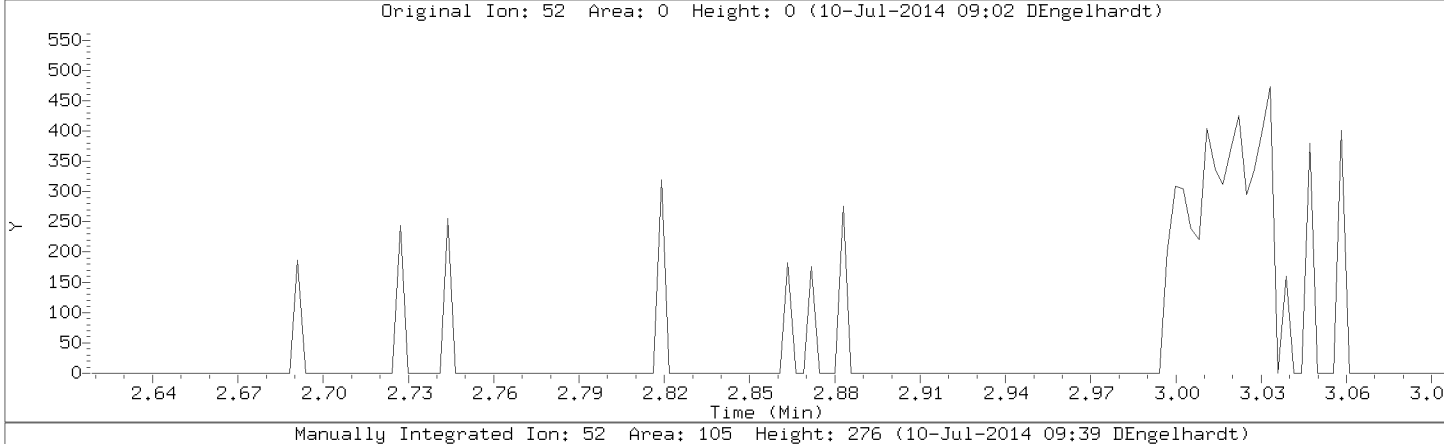
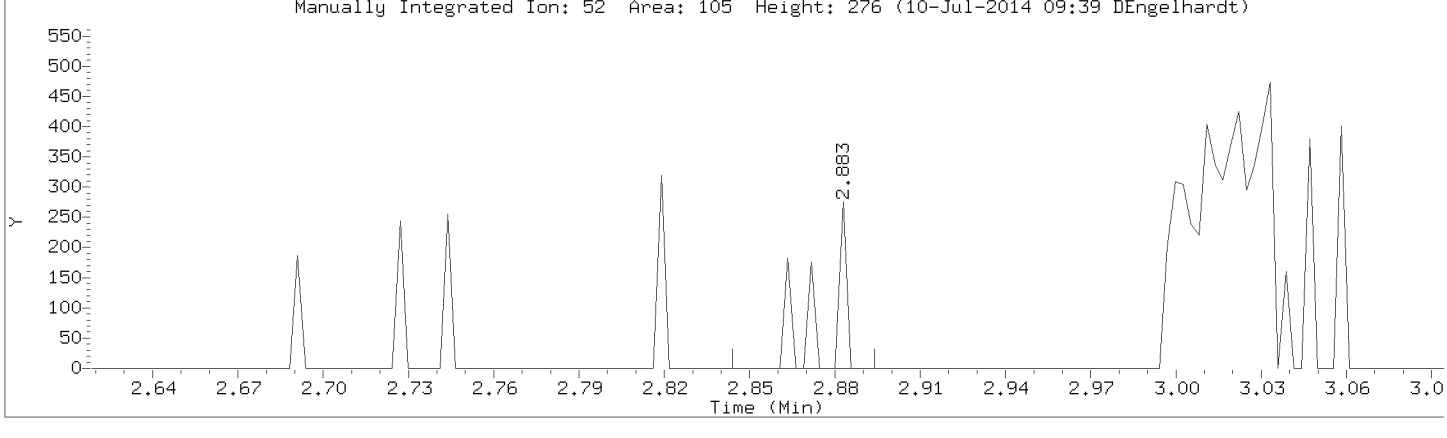
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Propionitrile
CAS Number: 107-12-0









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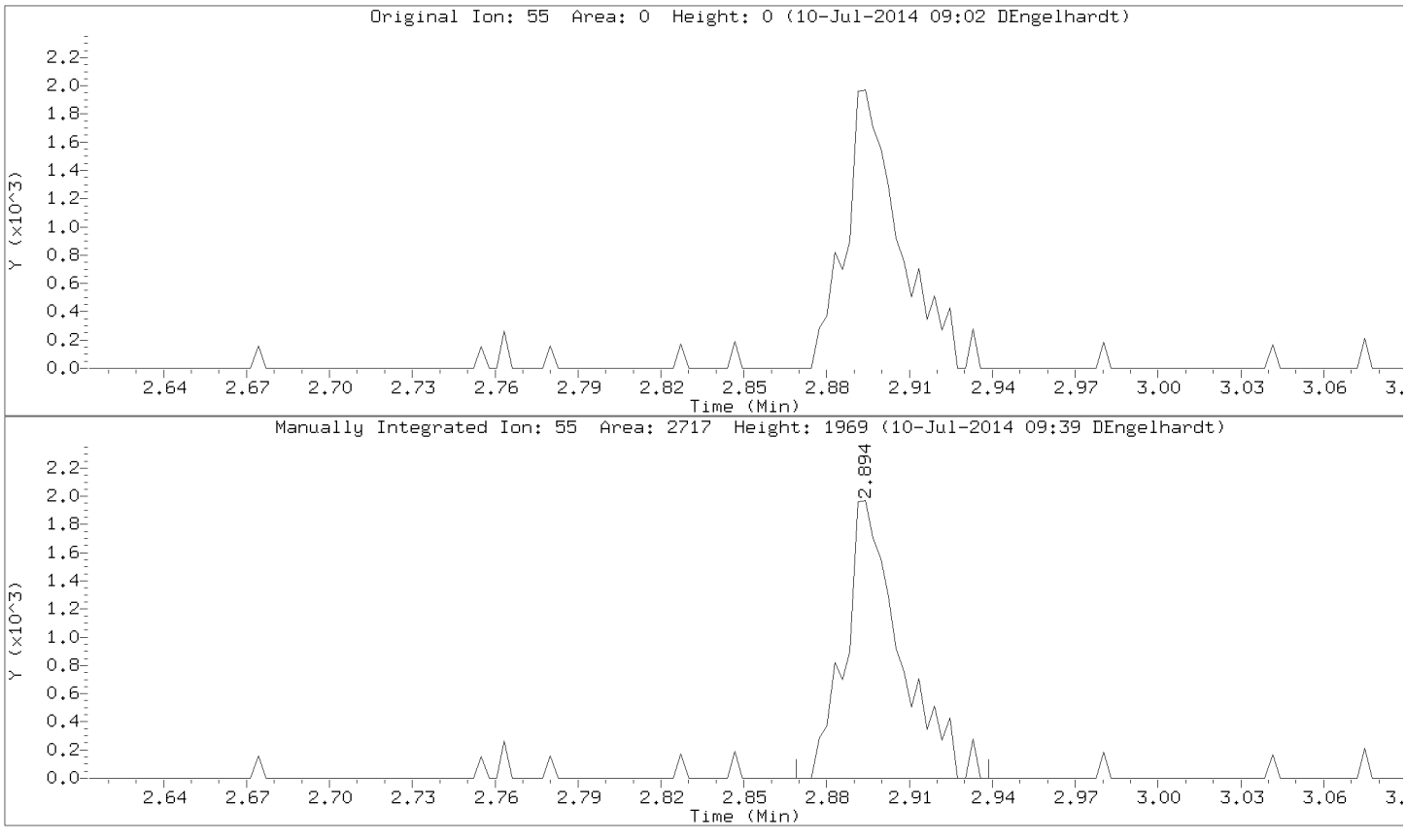
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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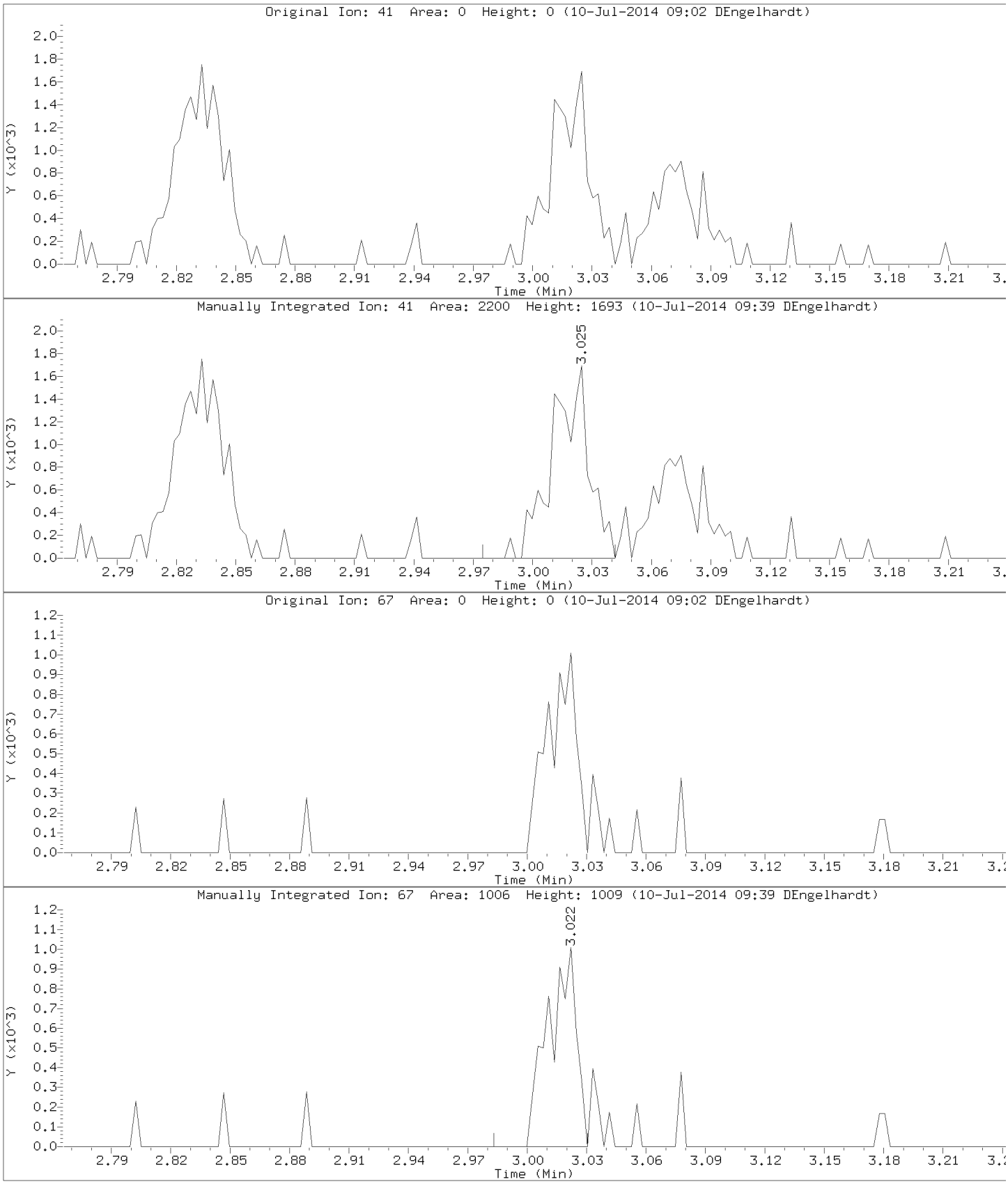
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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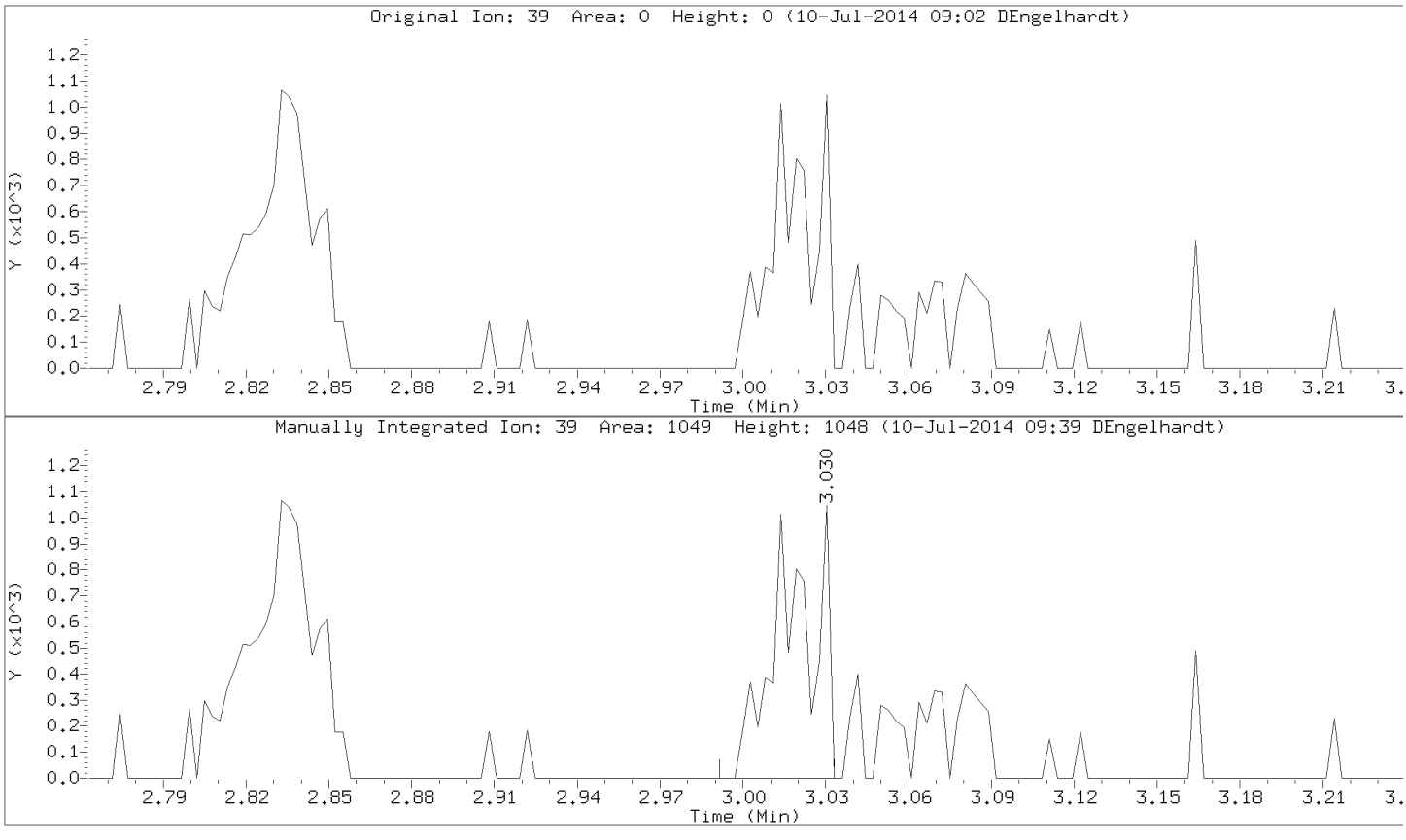
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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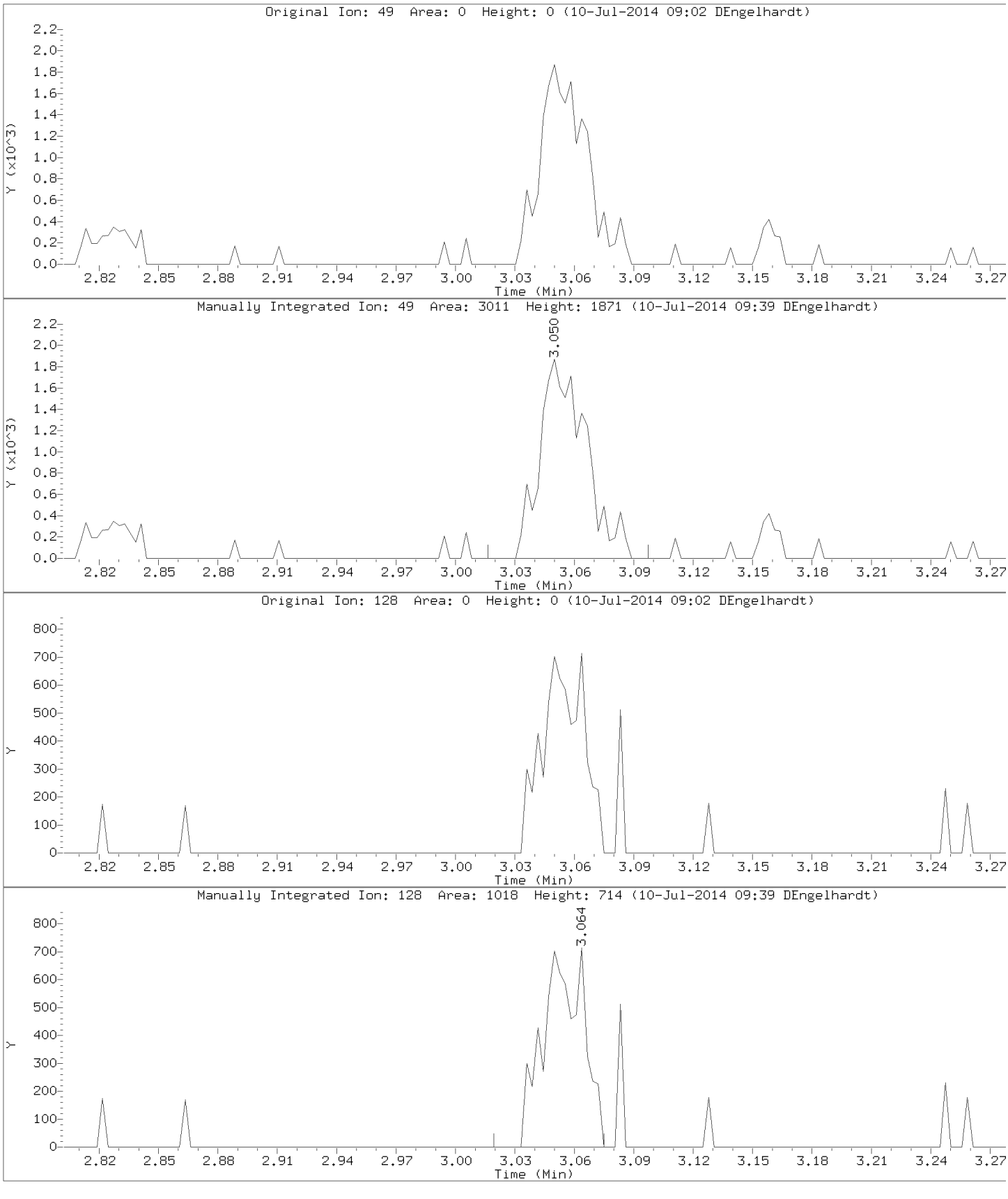
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Bromochloromethane
CAS Number: 74-97-5



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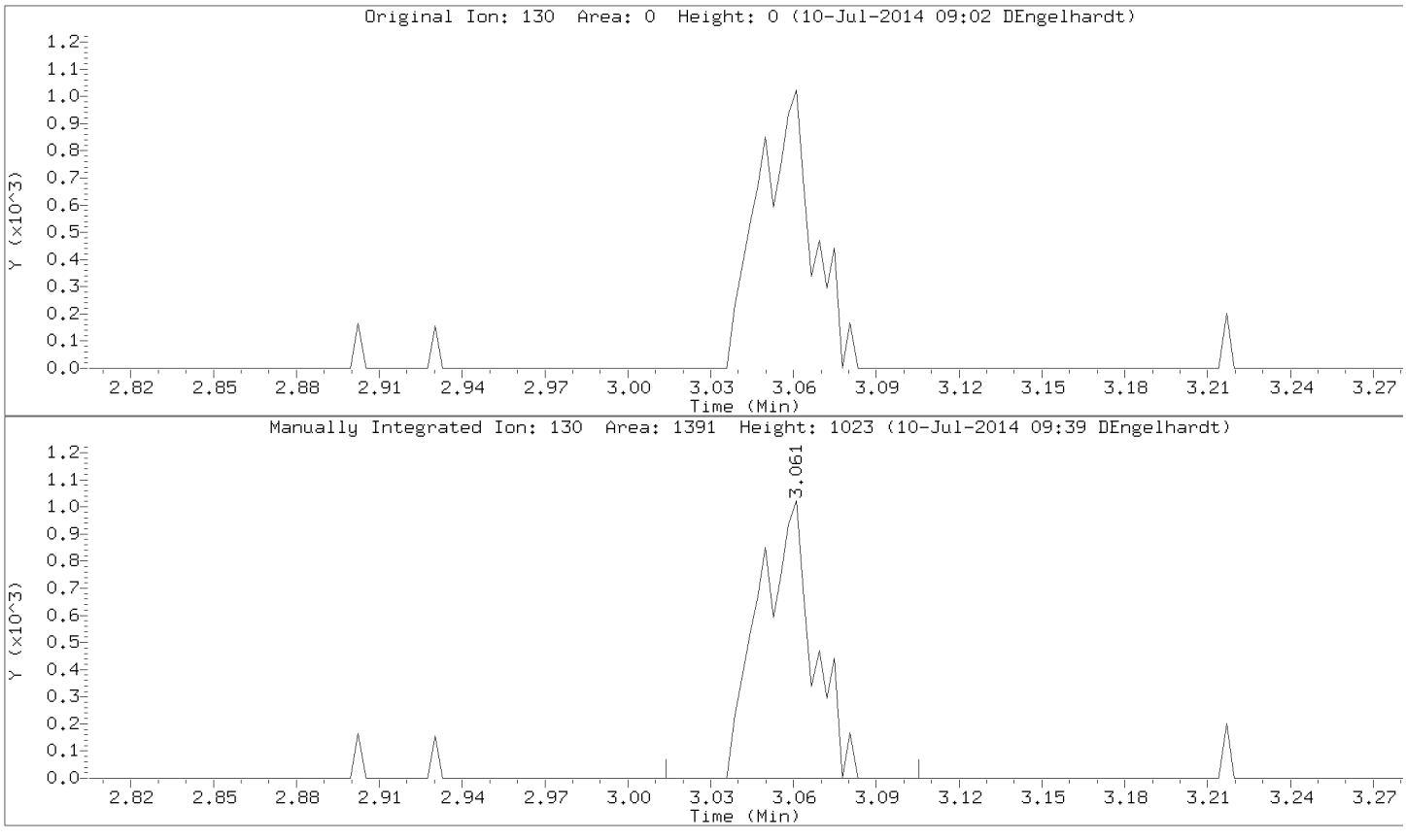
Lab Sample ID: 8260-CAL2,72088:0



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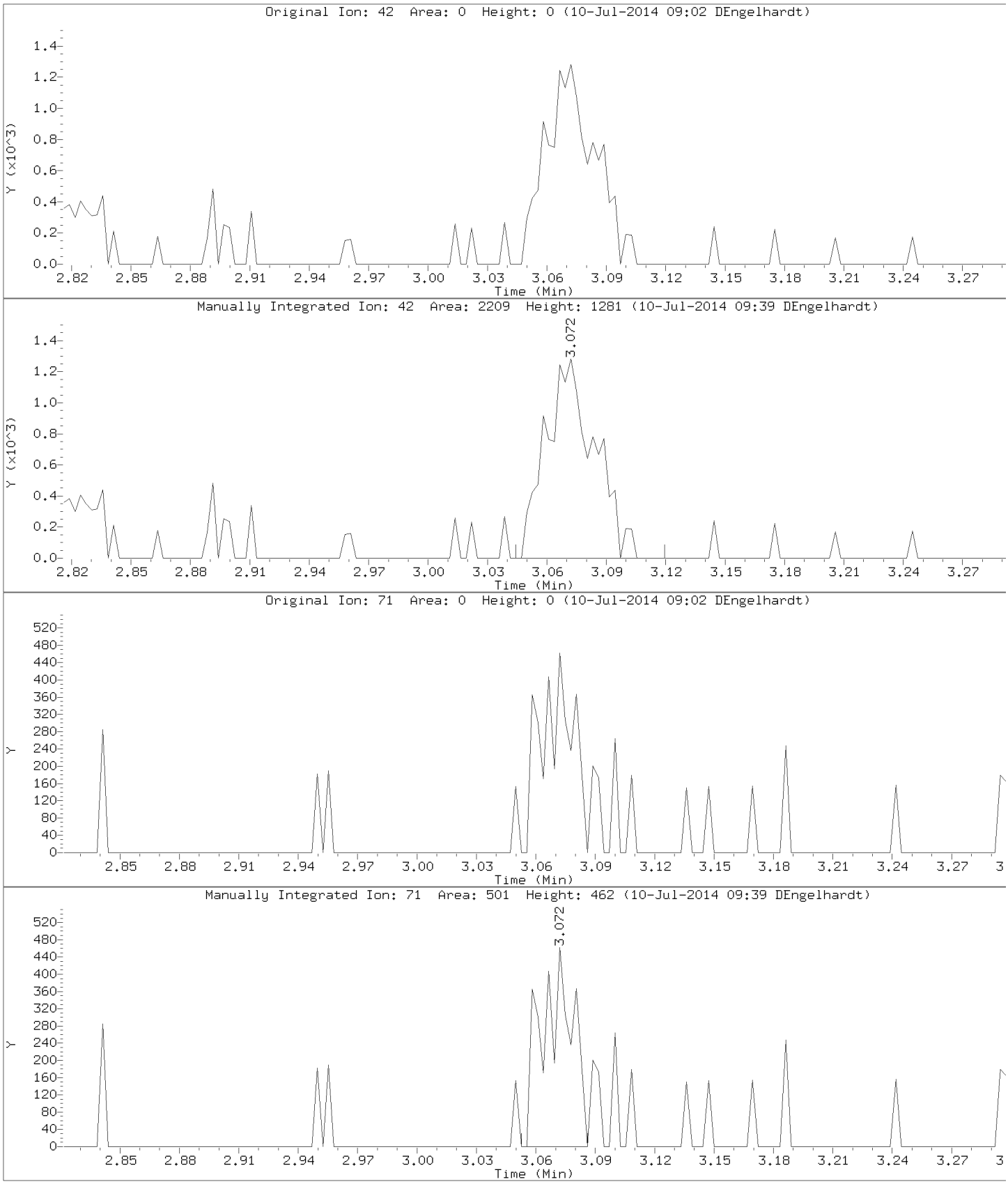
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Tetrahydrofuran
CAS Number:



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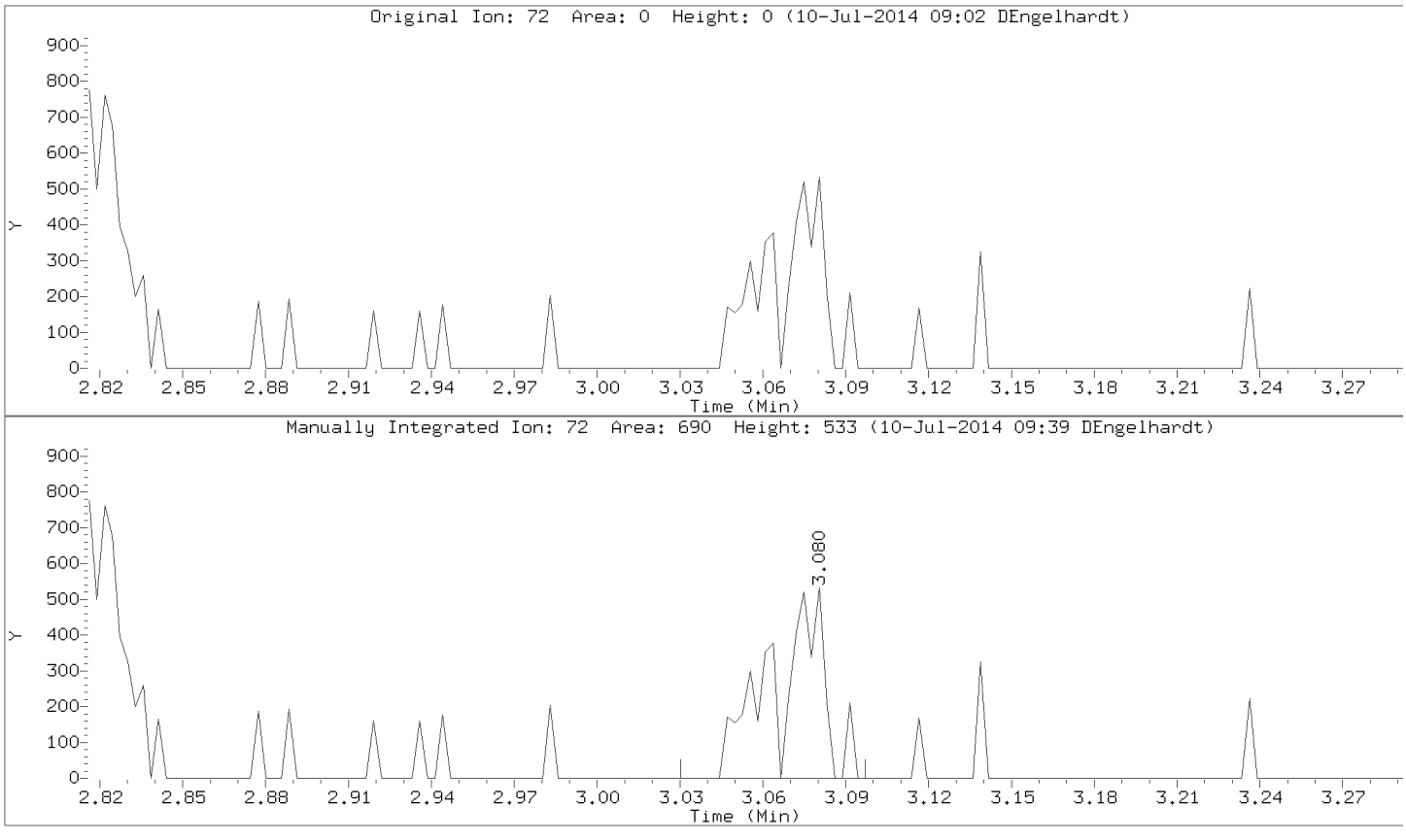
Lab Sample ID: 8260-CAL2,72088:0



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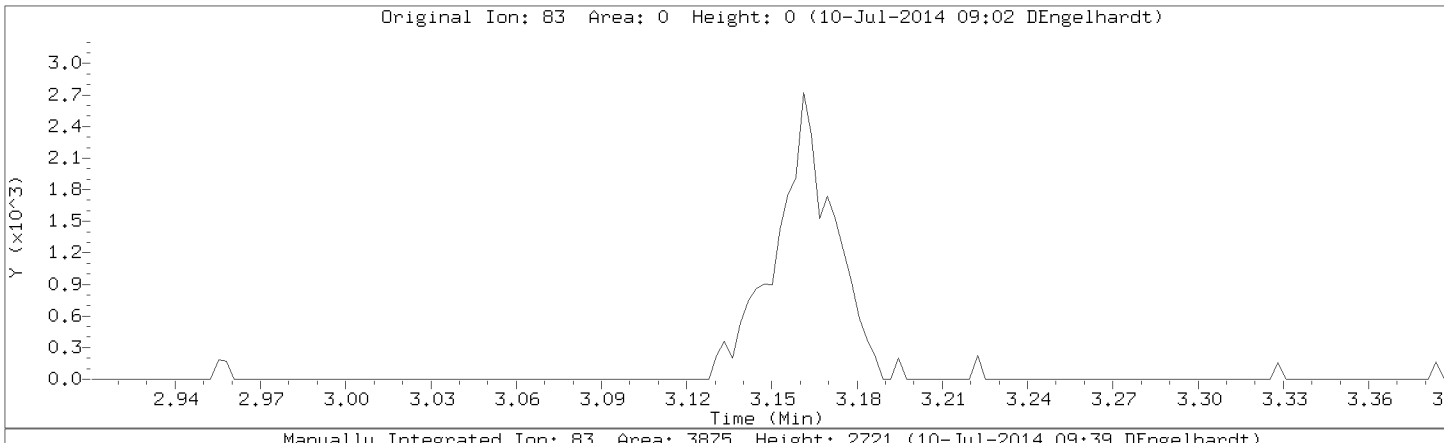
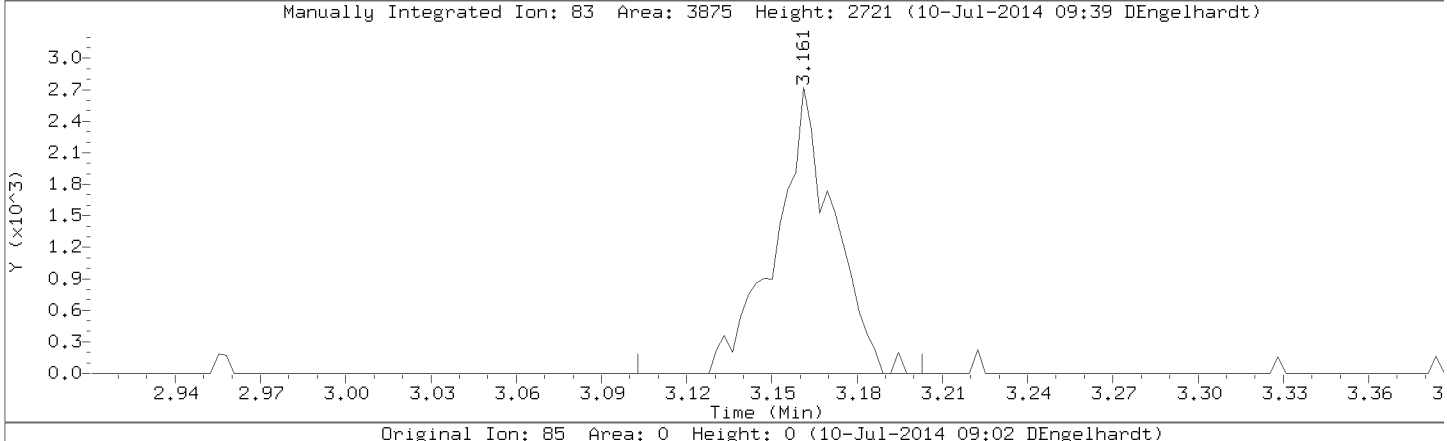
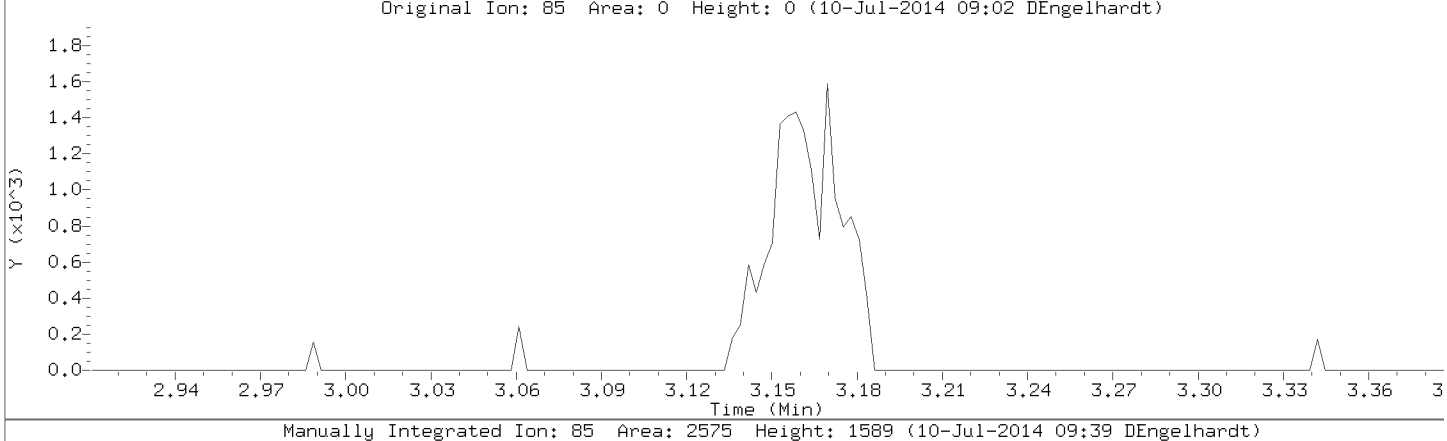
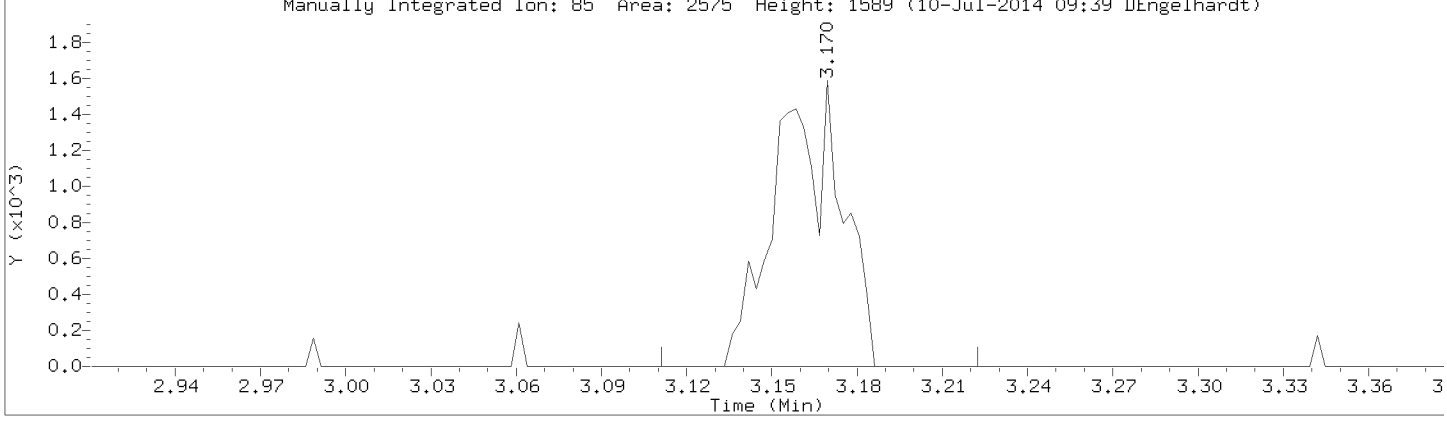
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Chloroform
CAS Number: 67-66-3









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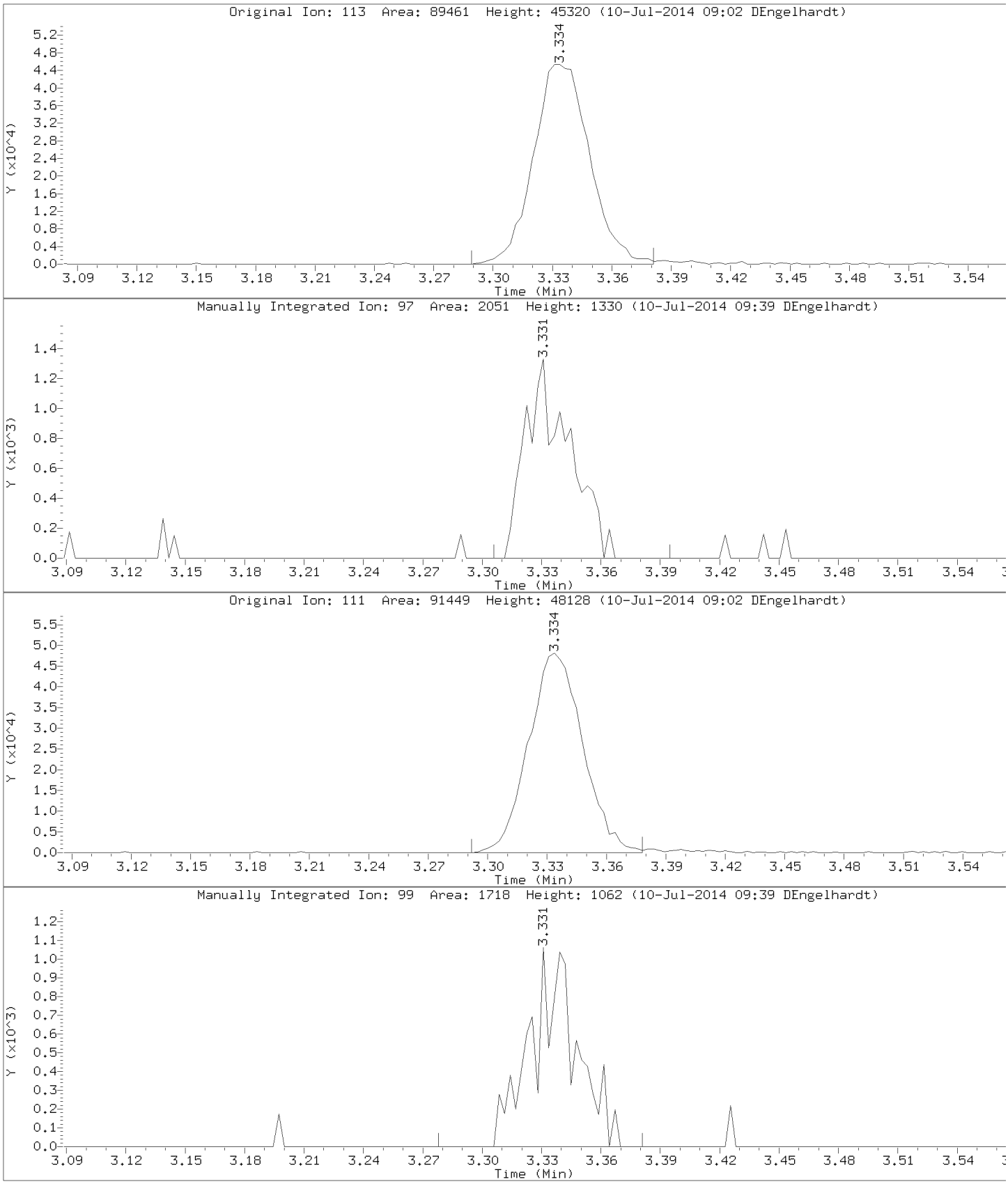
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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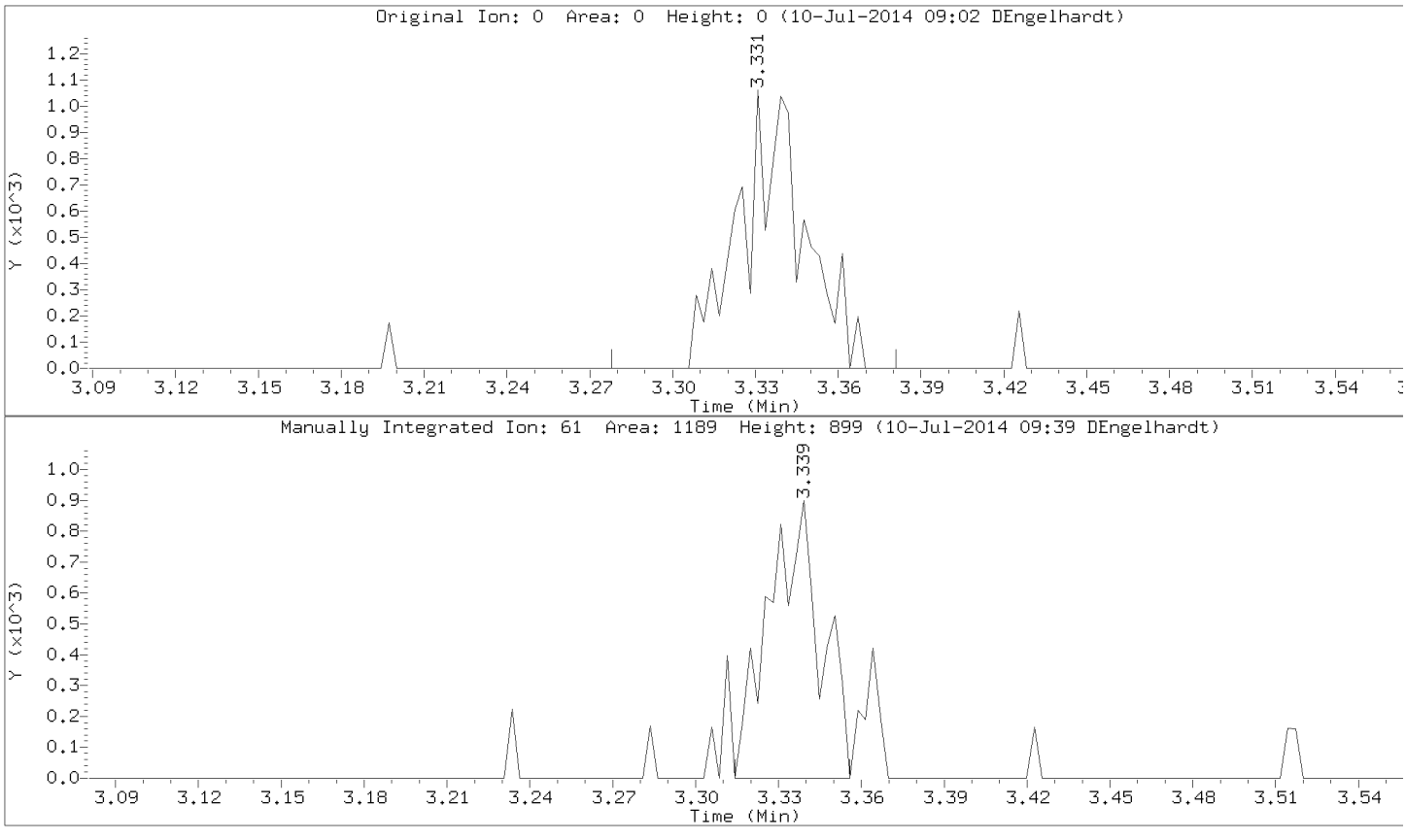
Lab Sample ID: 8260-CAL2,72088:0



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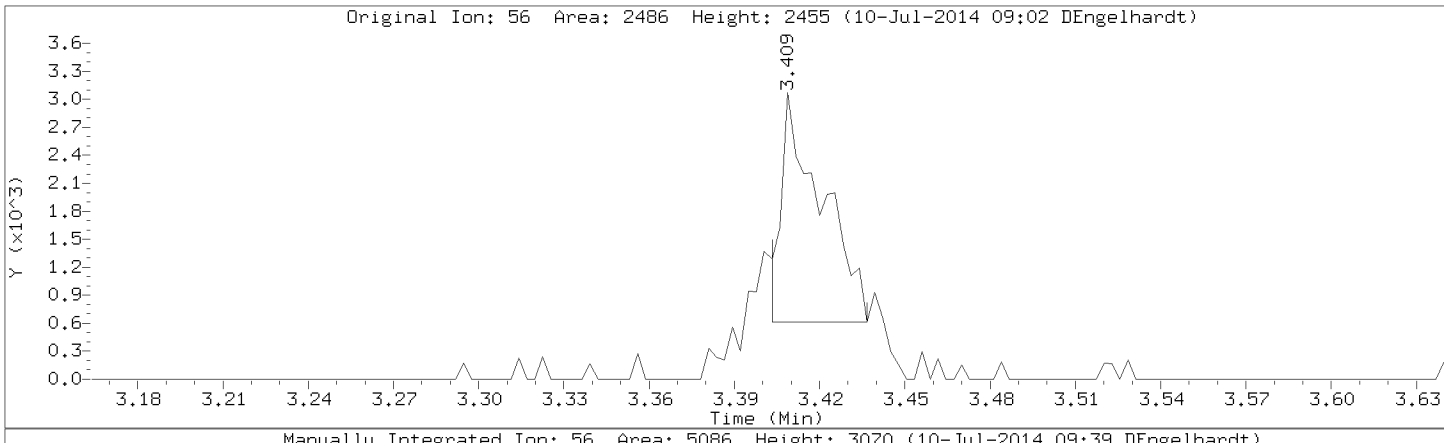
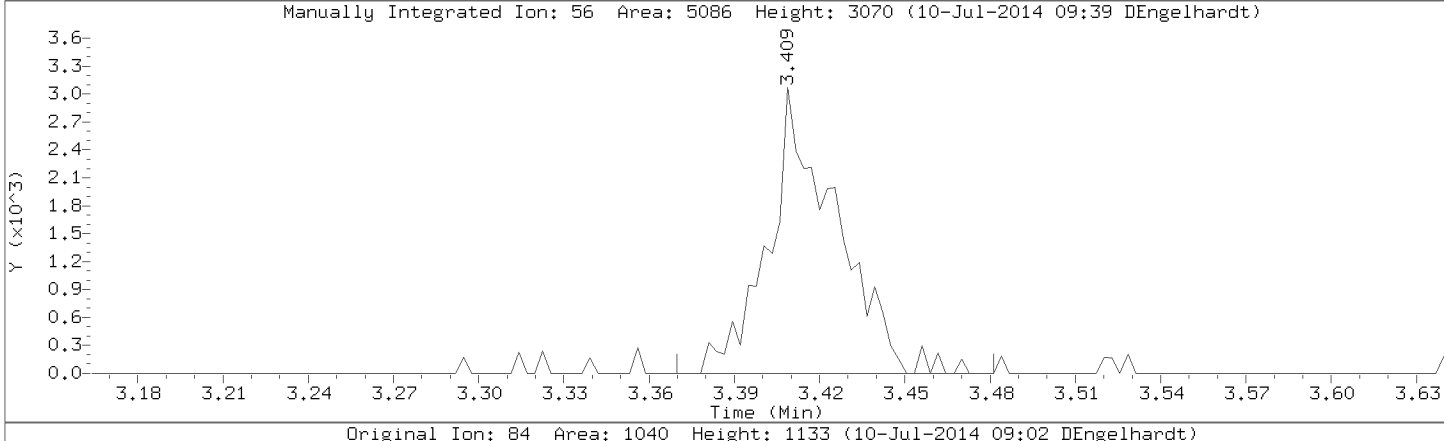
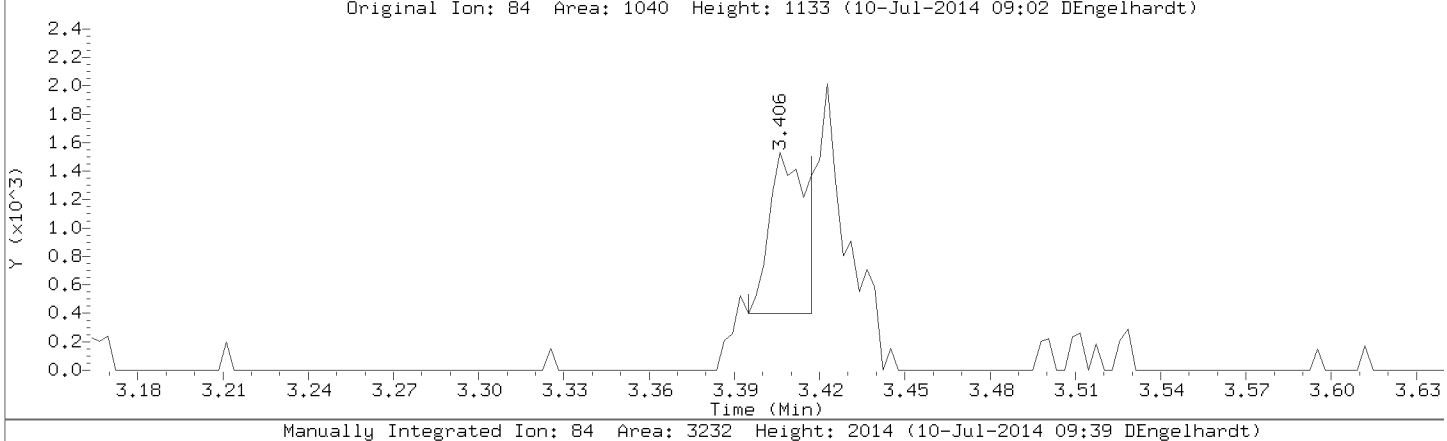
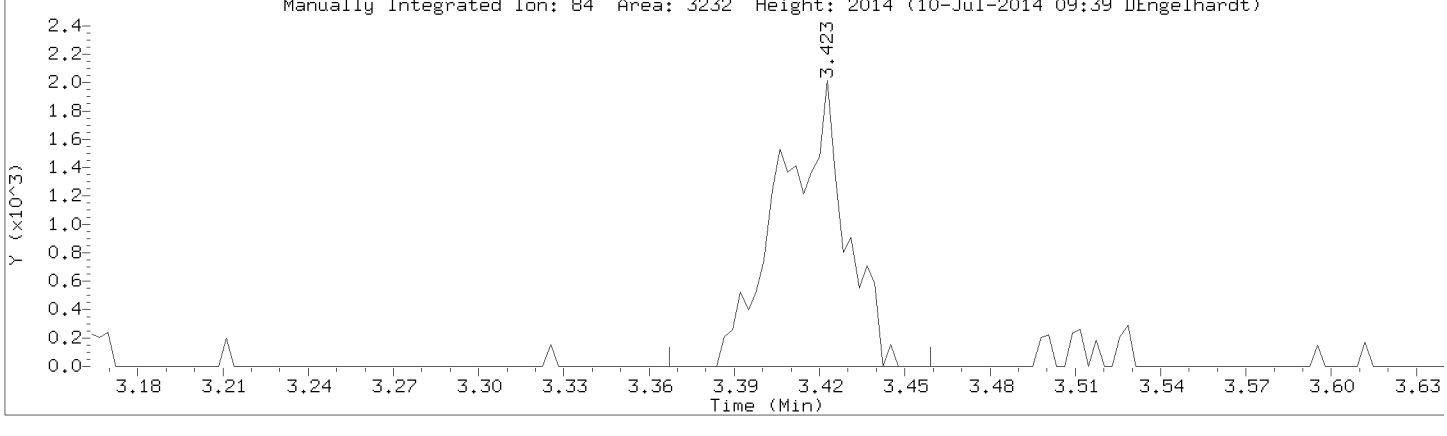
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: cyclohexane
CAS Number: 110-82-7









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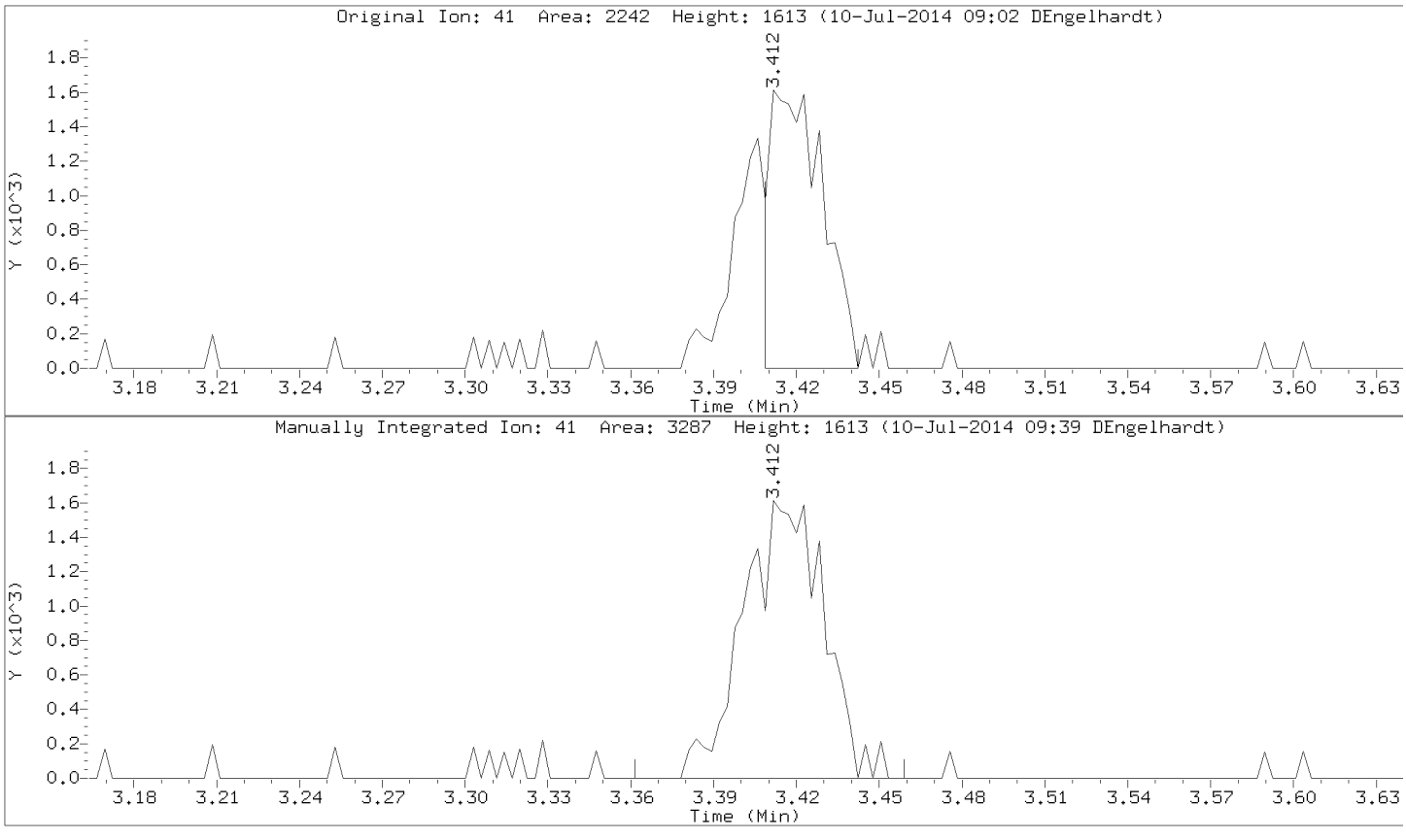
Lab Sample ID: 8260-CAL2,72088:0



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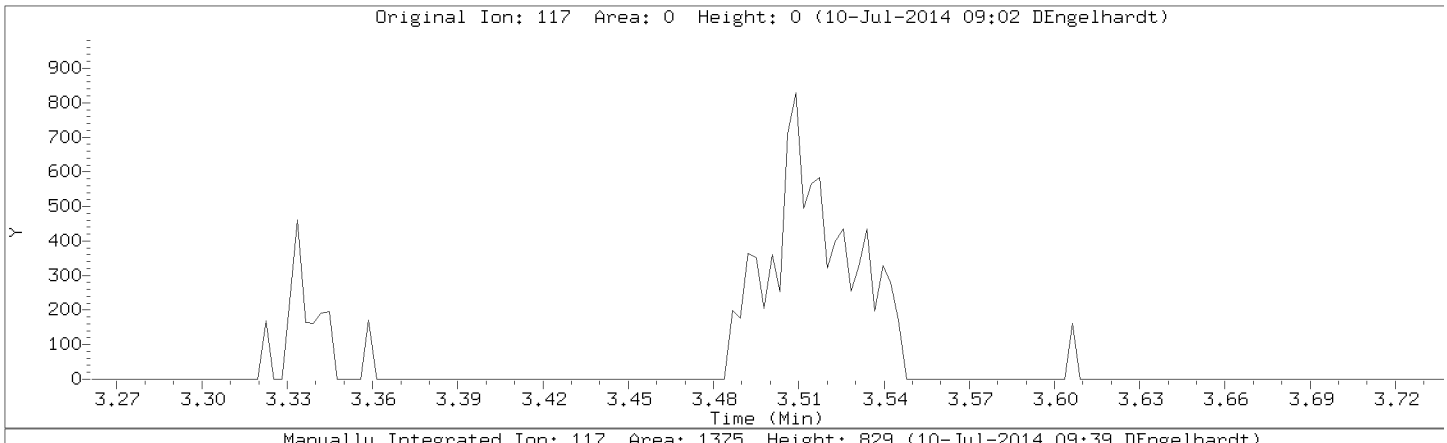
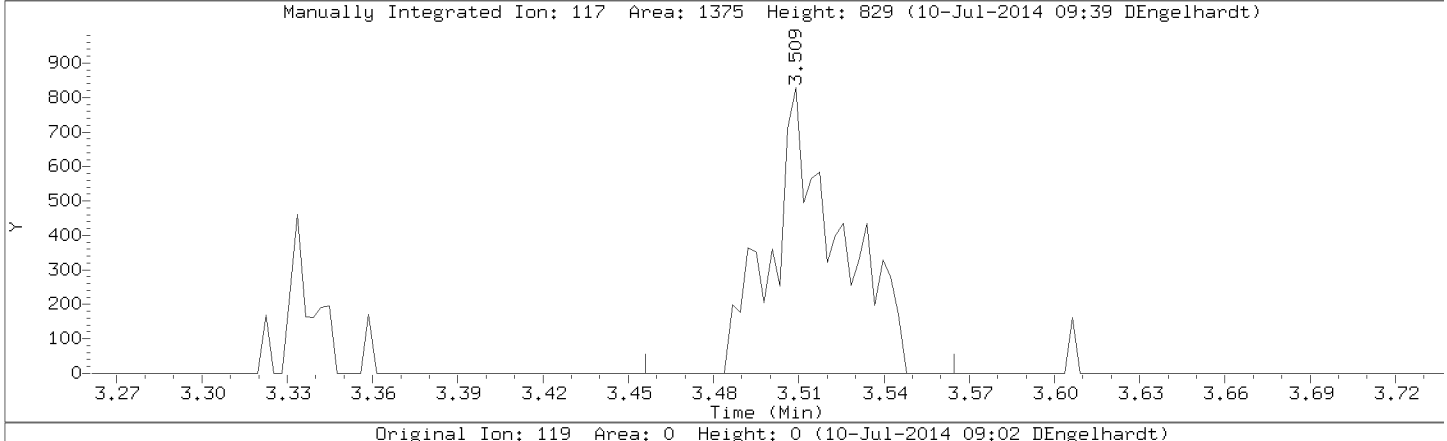
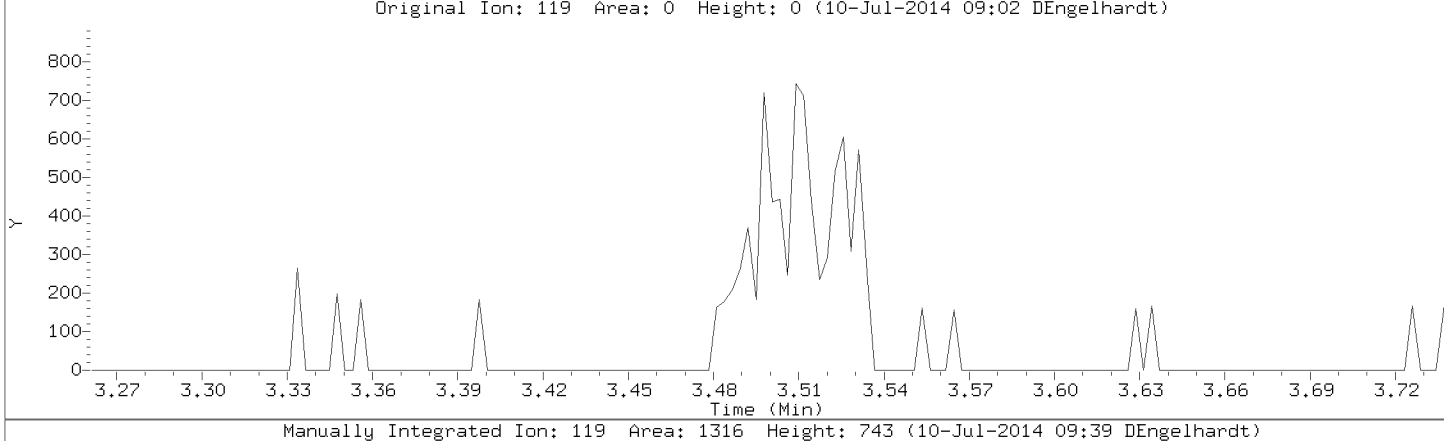
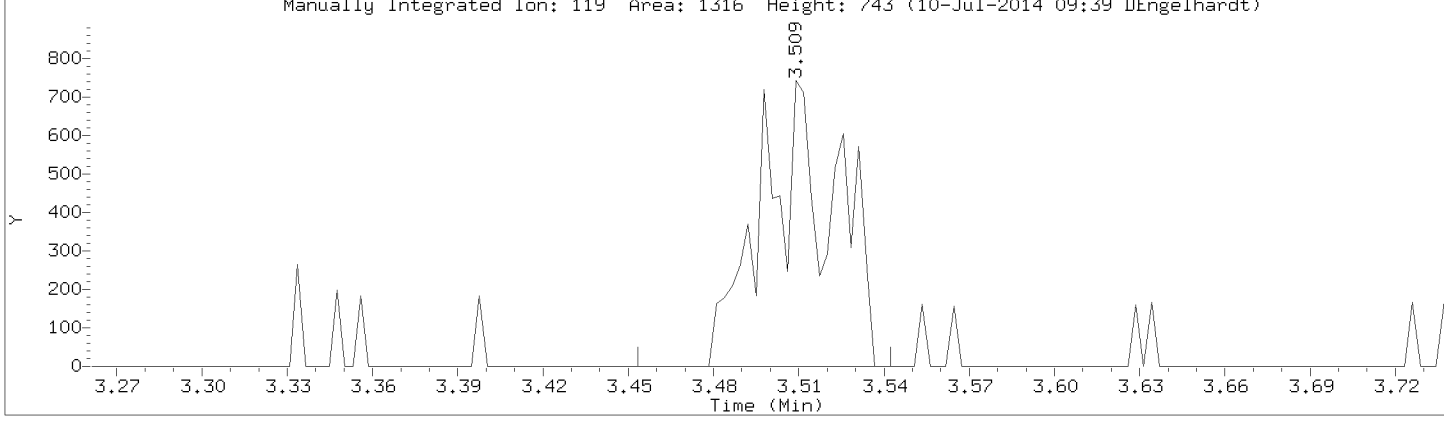
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5









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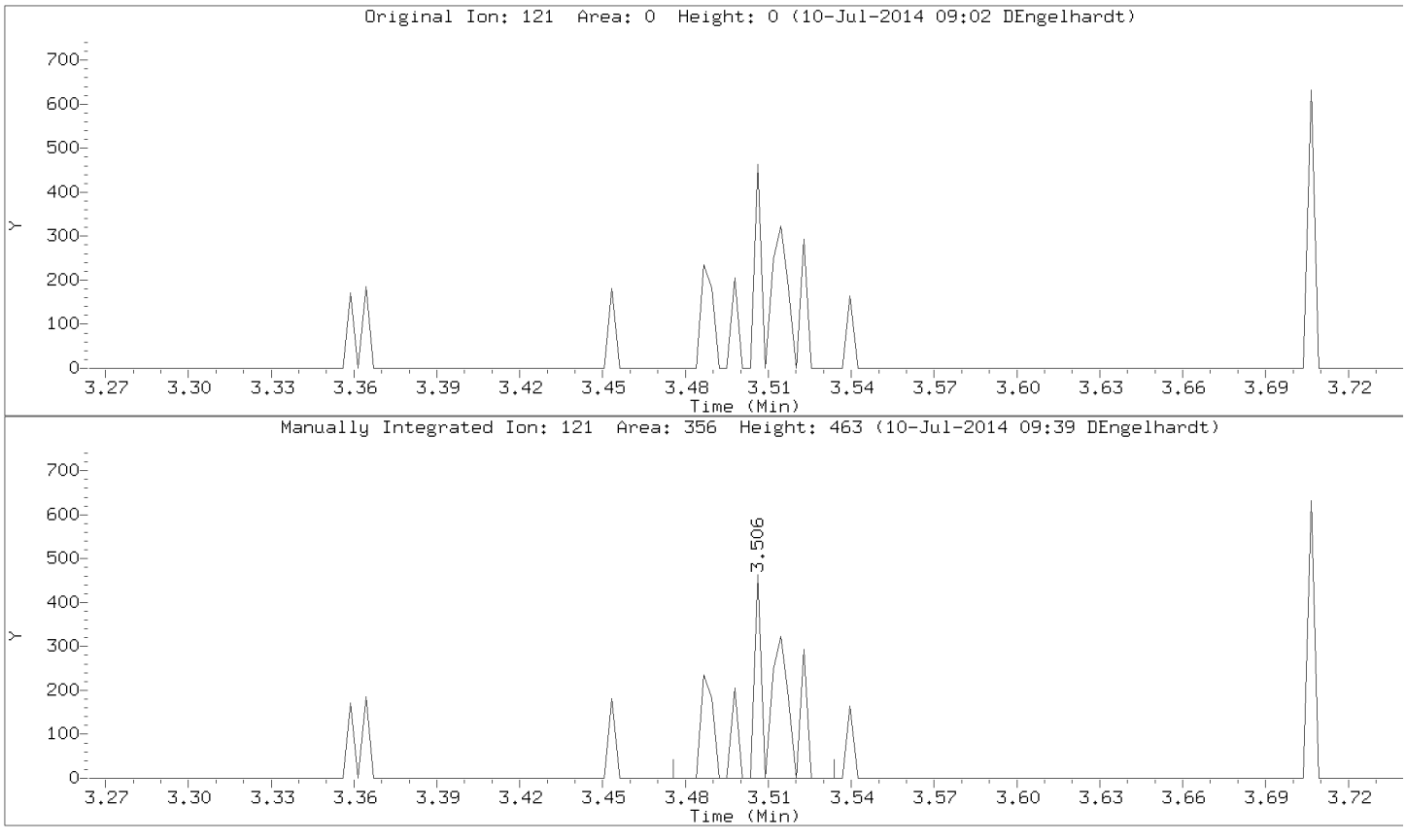
Lab Sample ID: 8260-CAL2,72088:0



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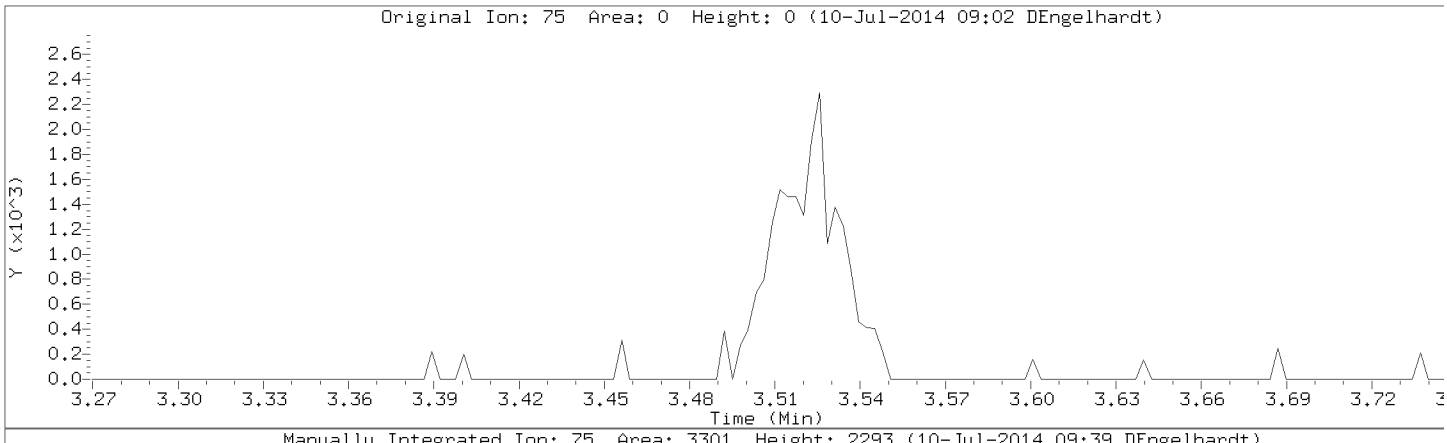
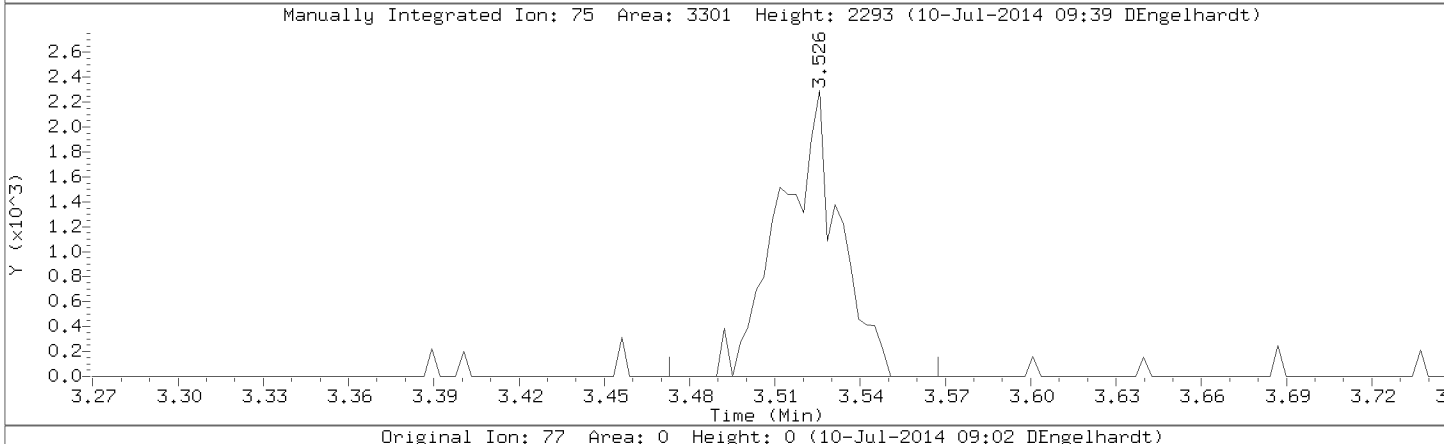
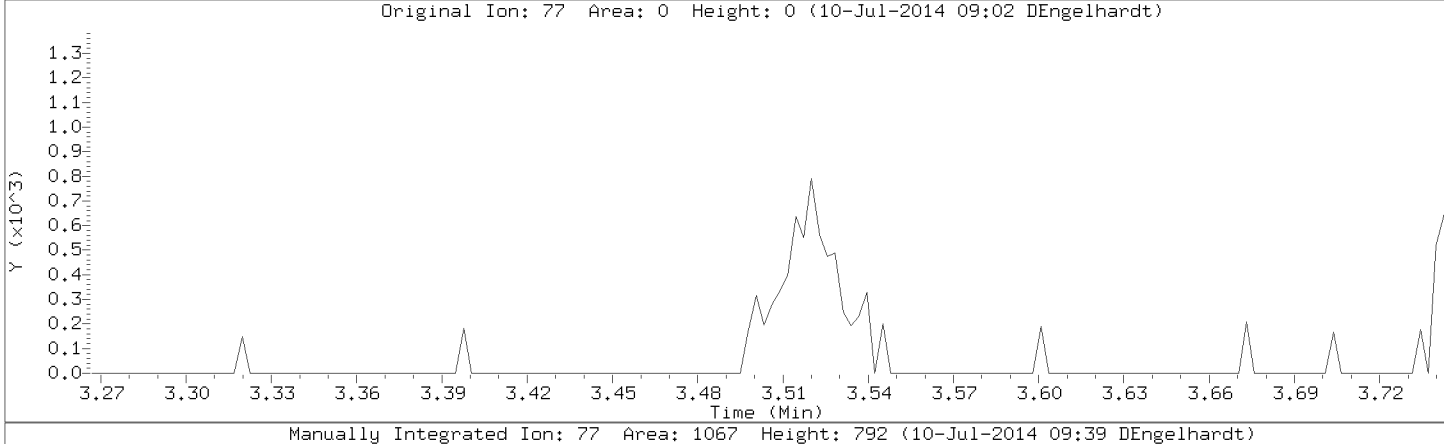
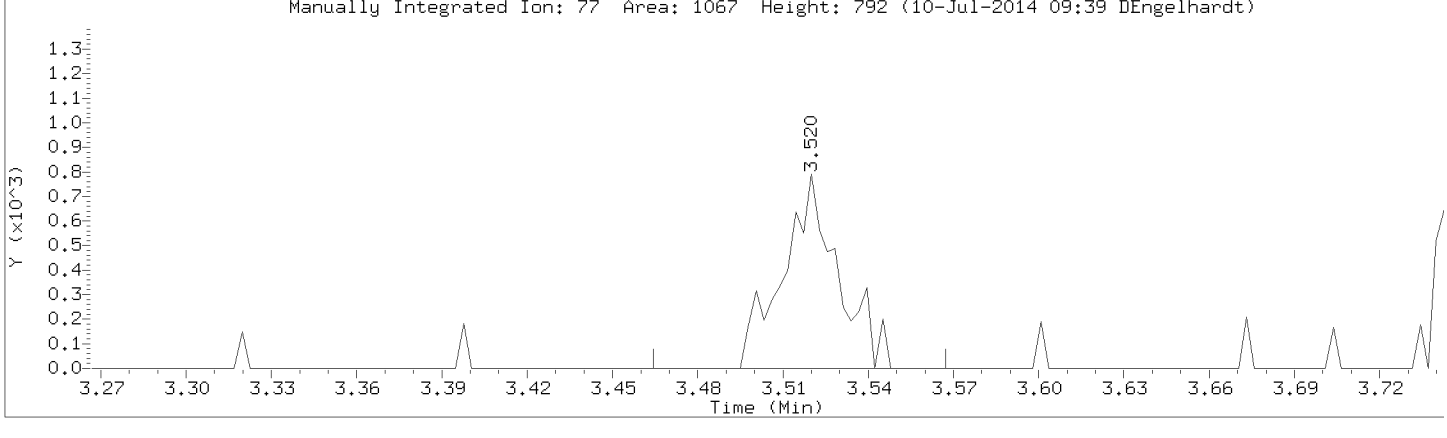
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6









Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
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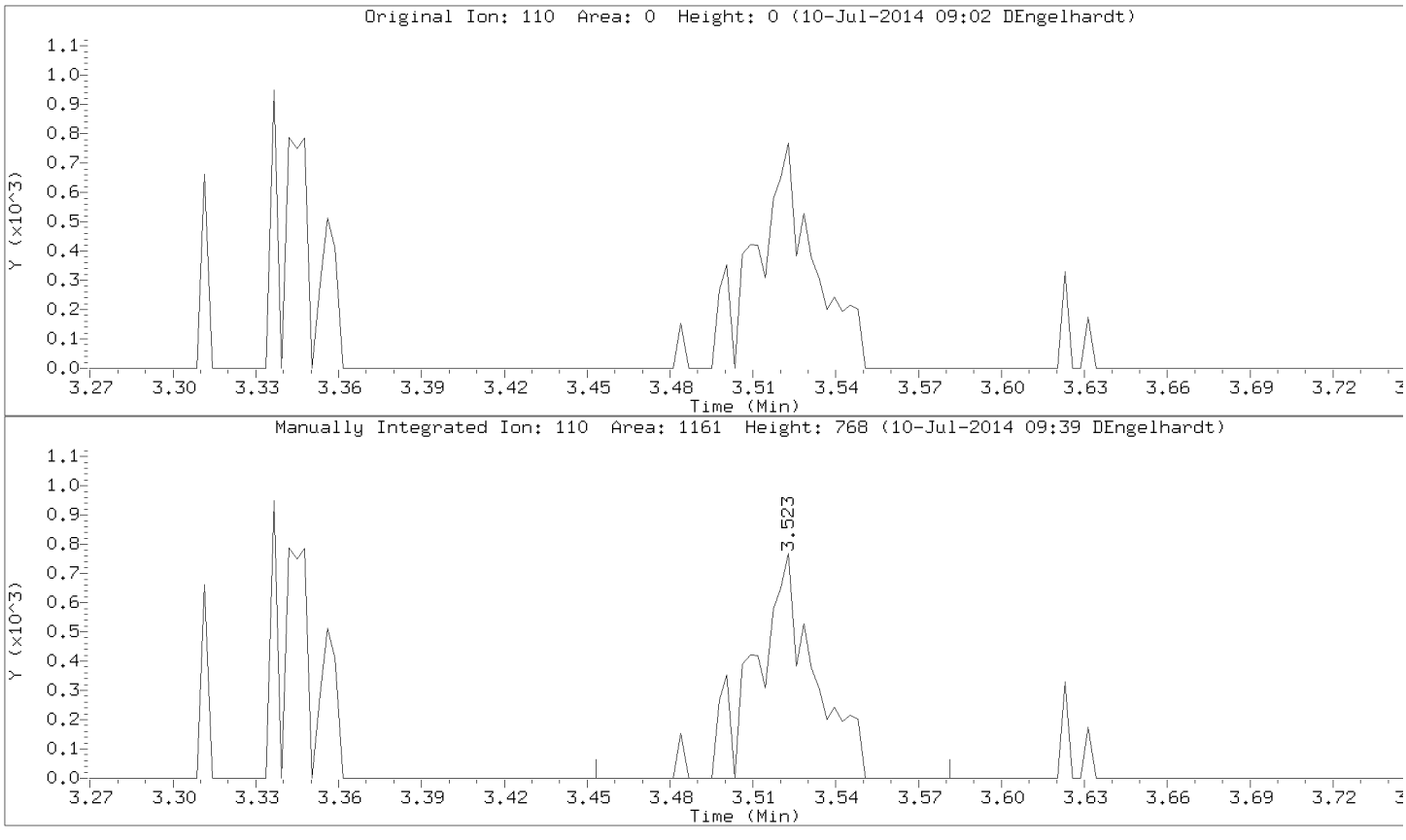
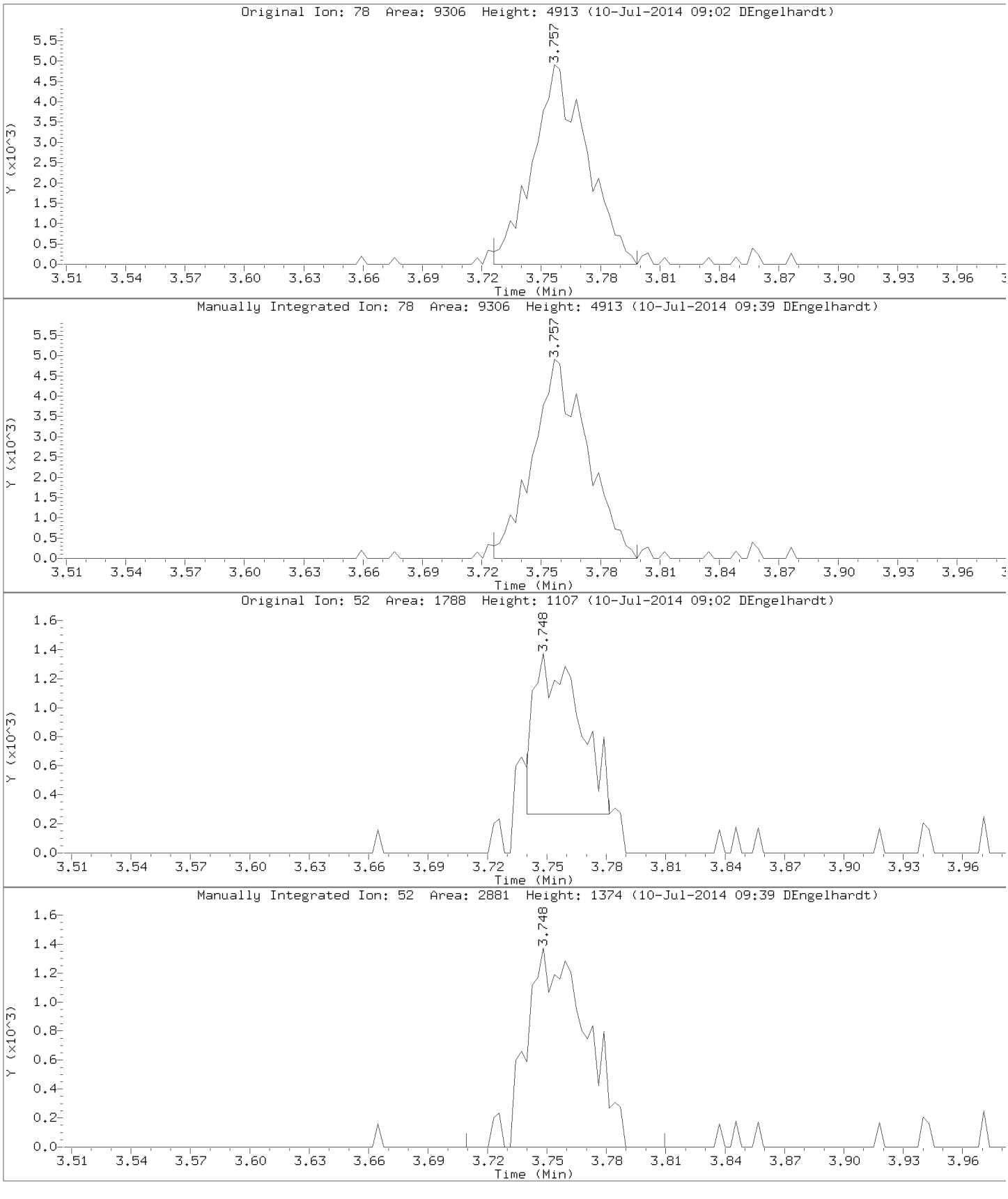
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Benzene
CAS Number: 71-43-2



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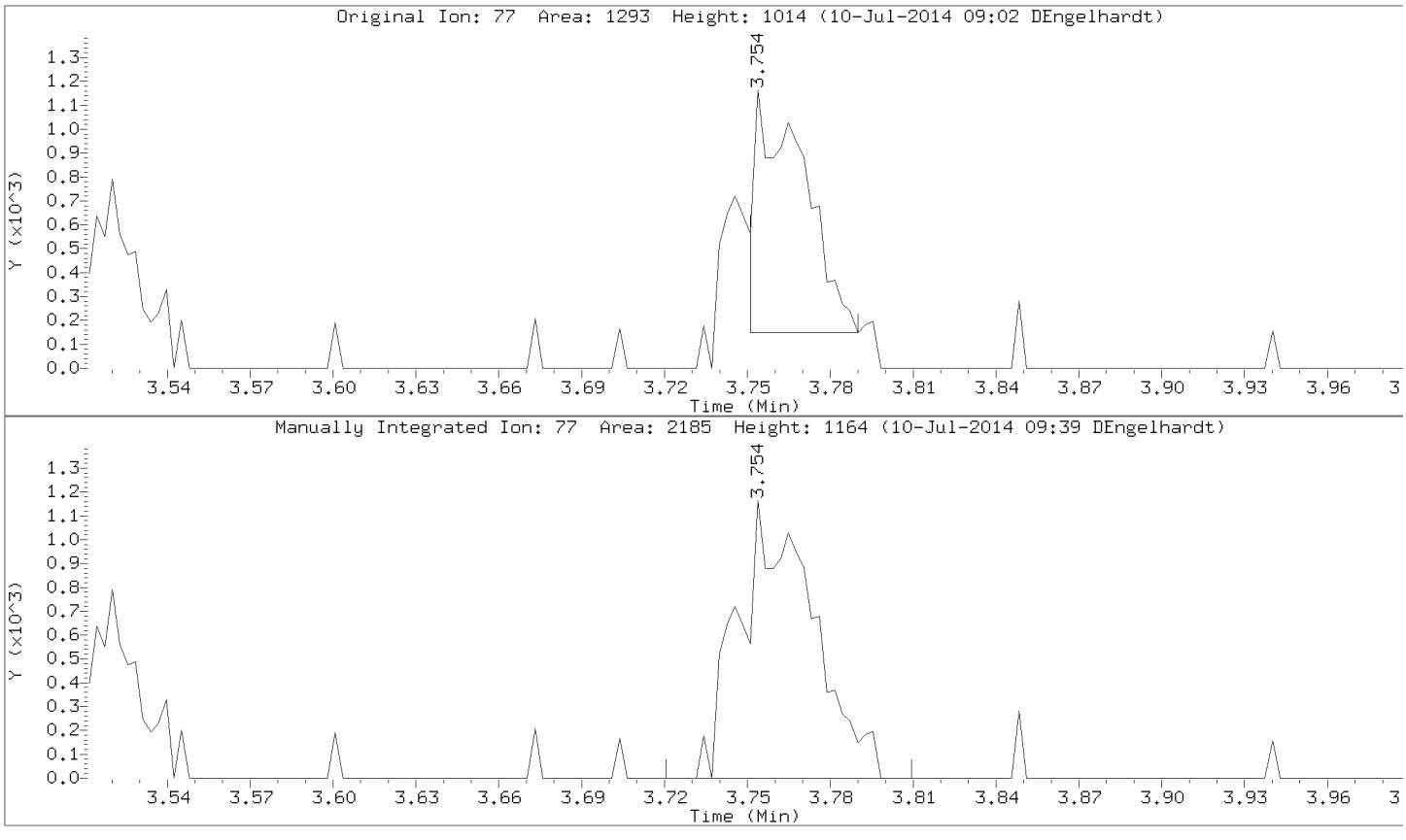
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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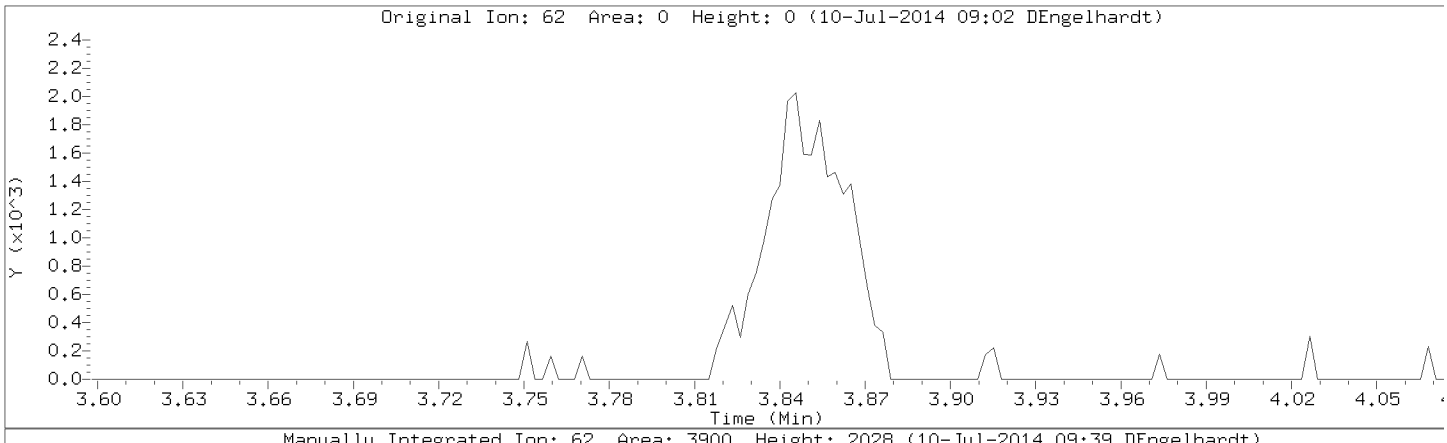
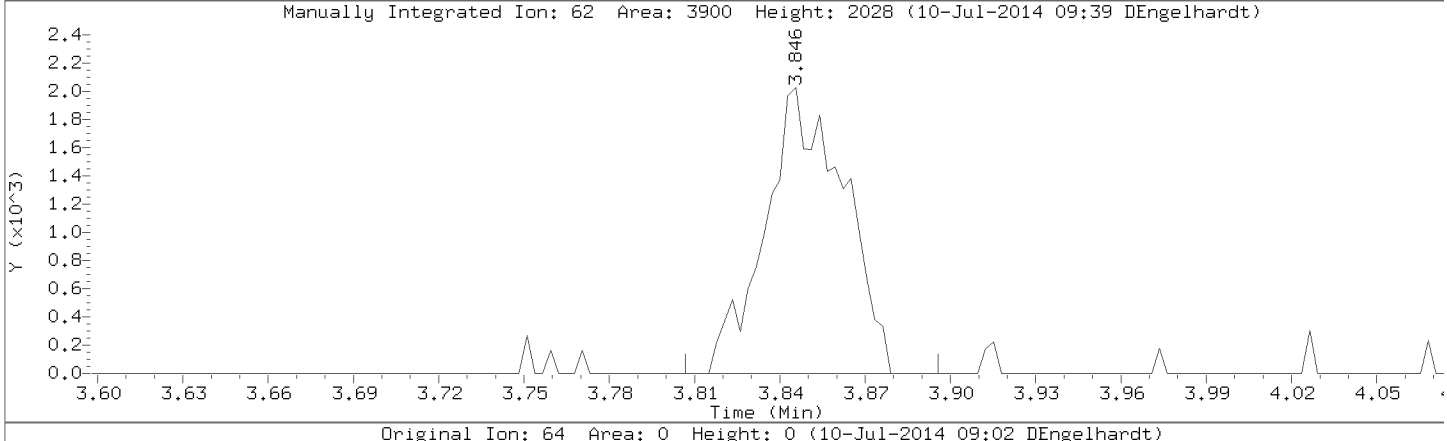
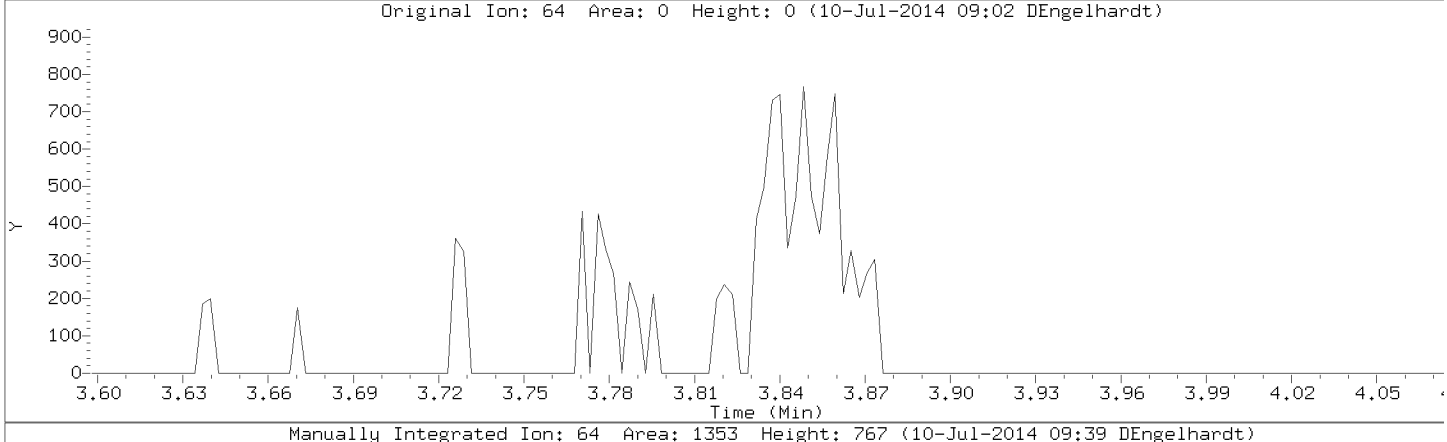
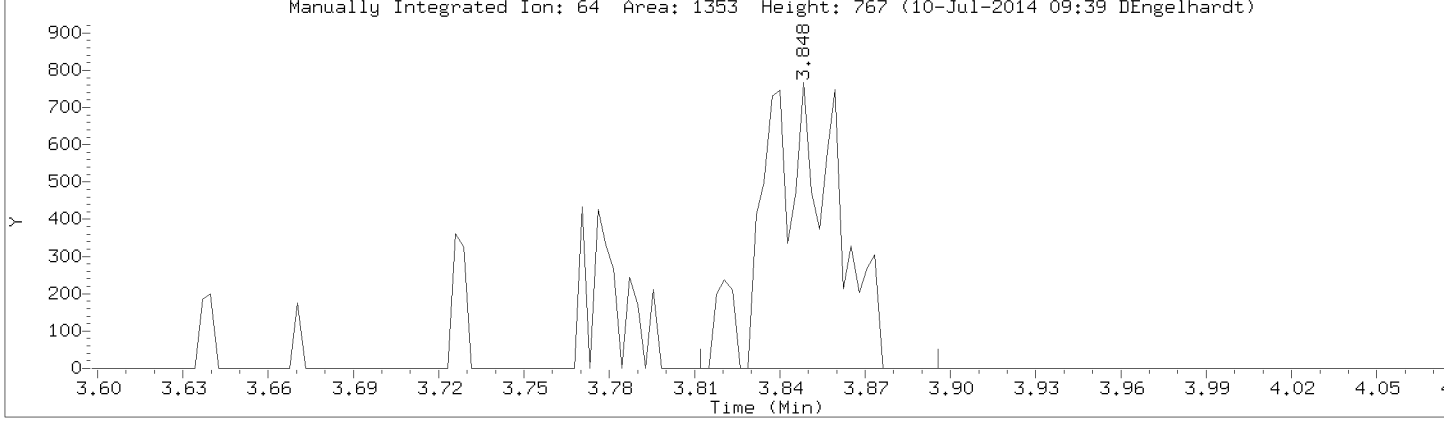
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2









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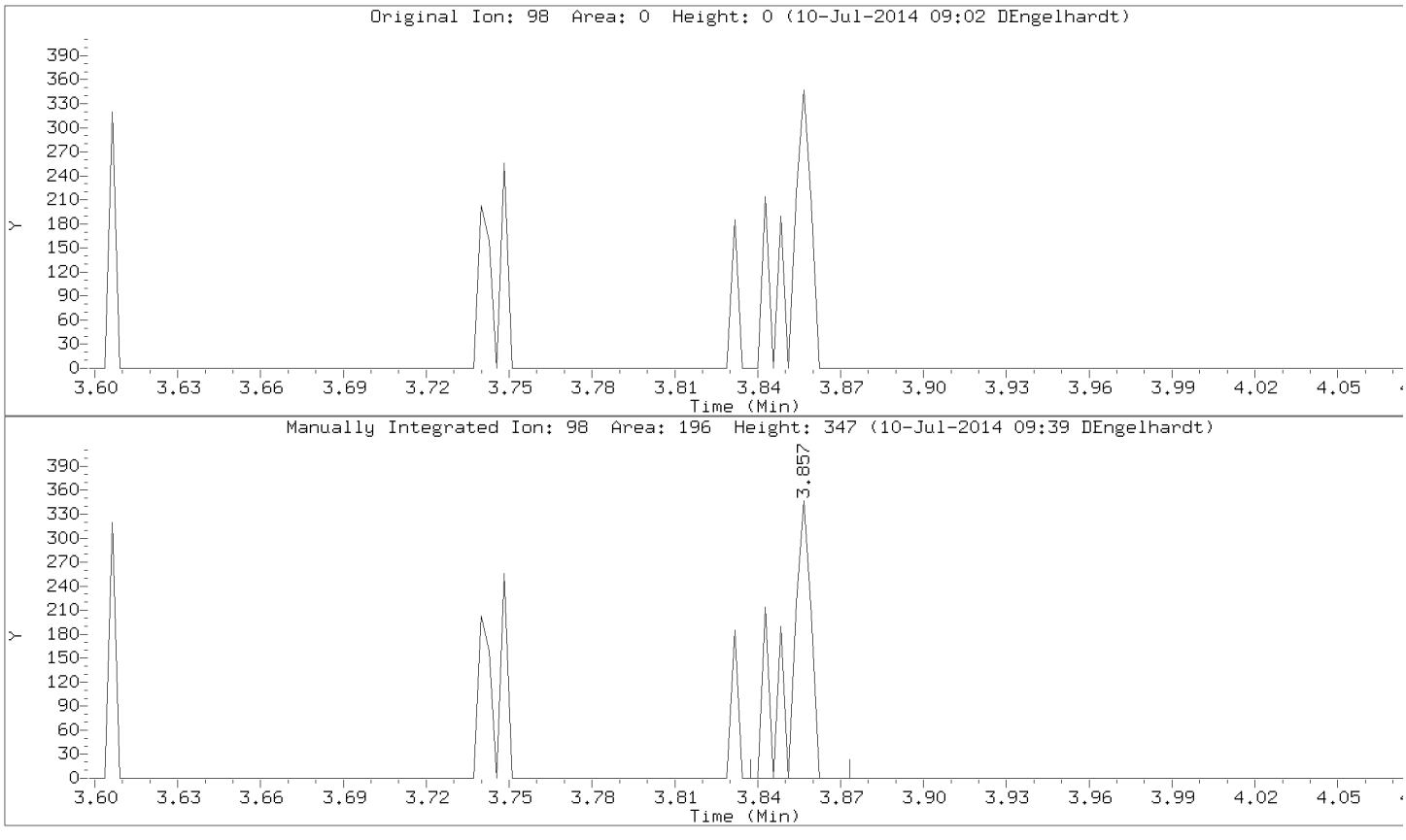
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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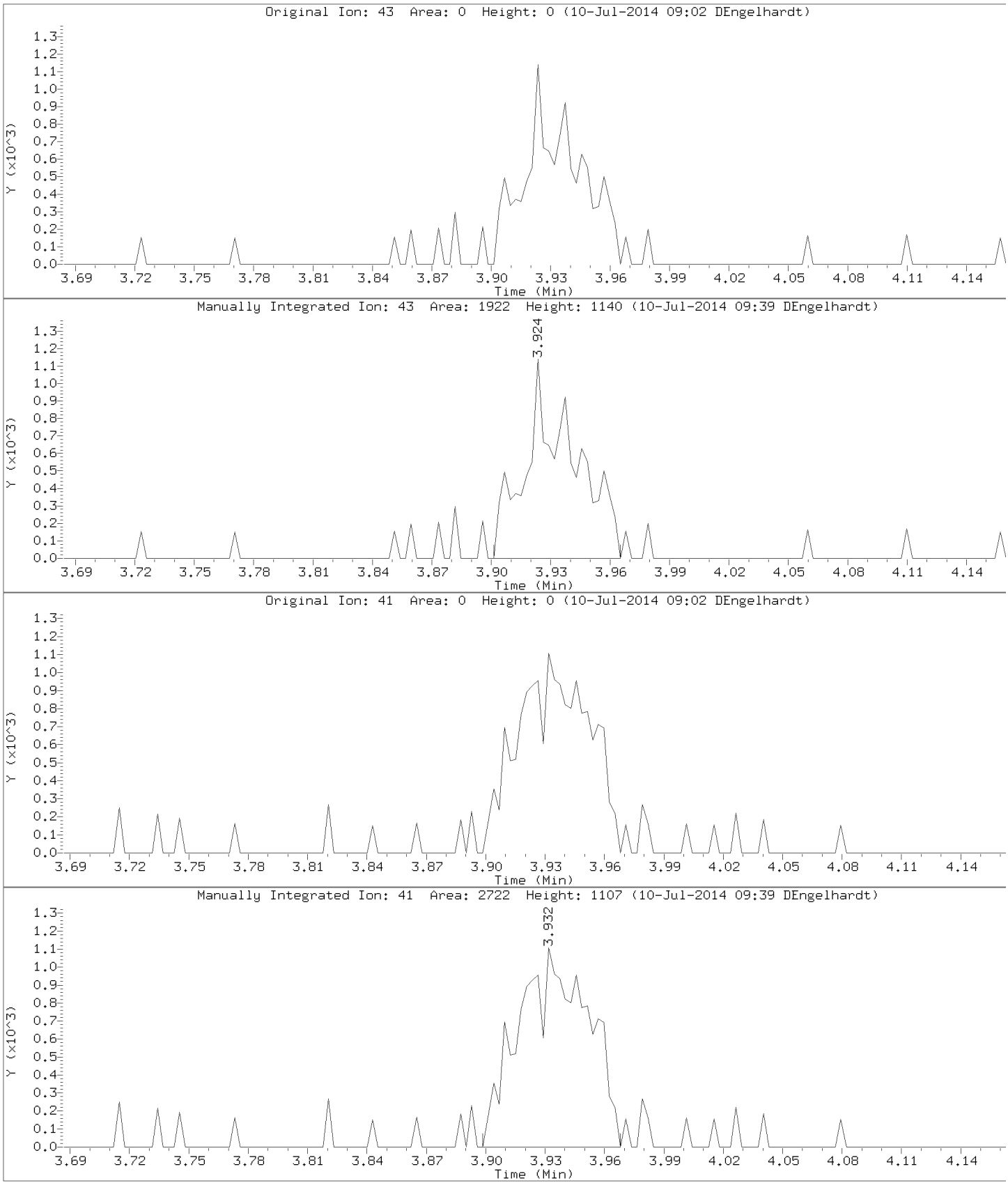
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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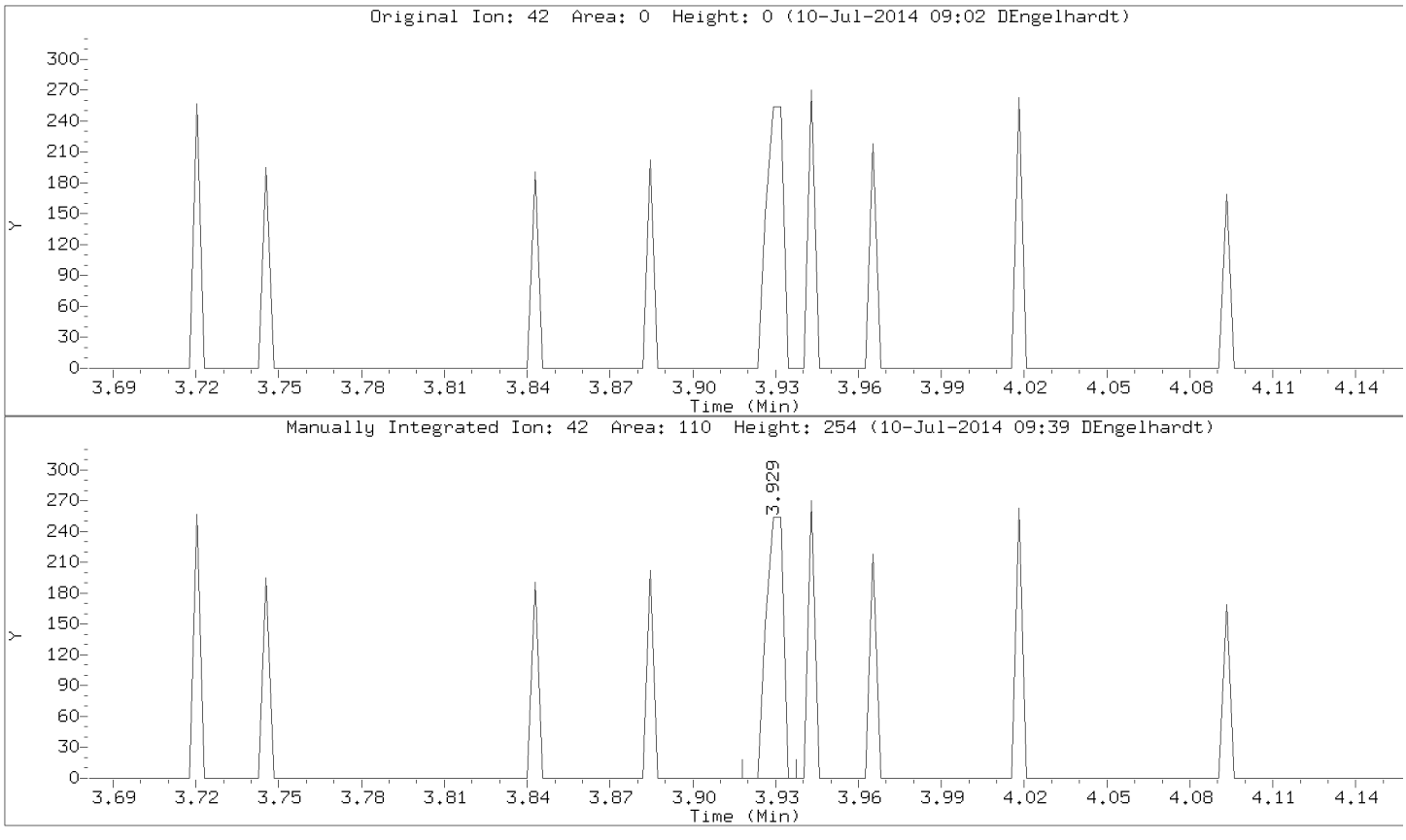
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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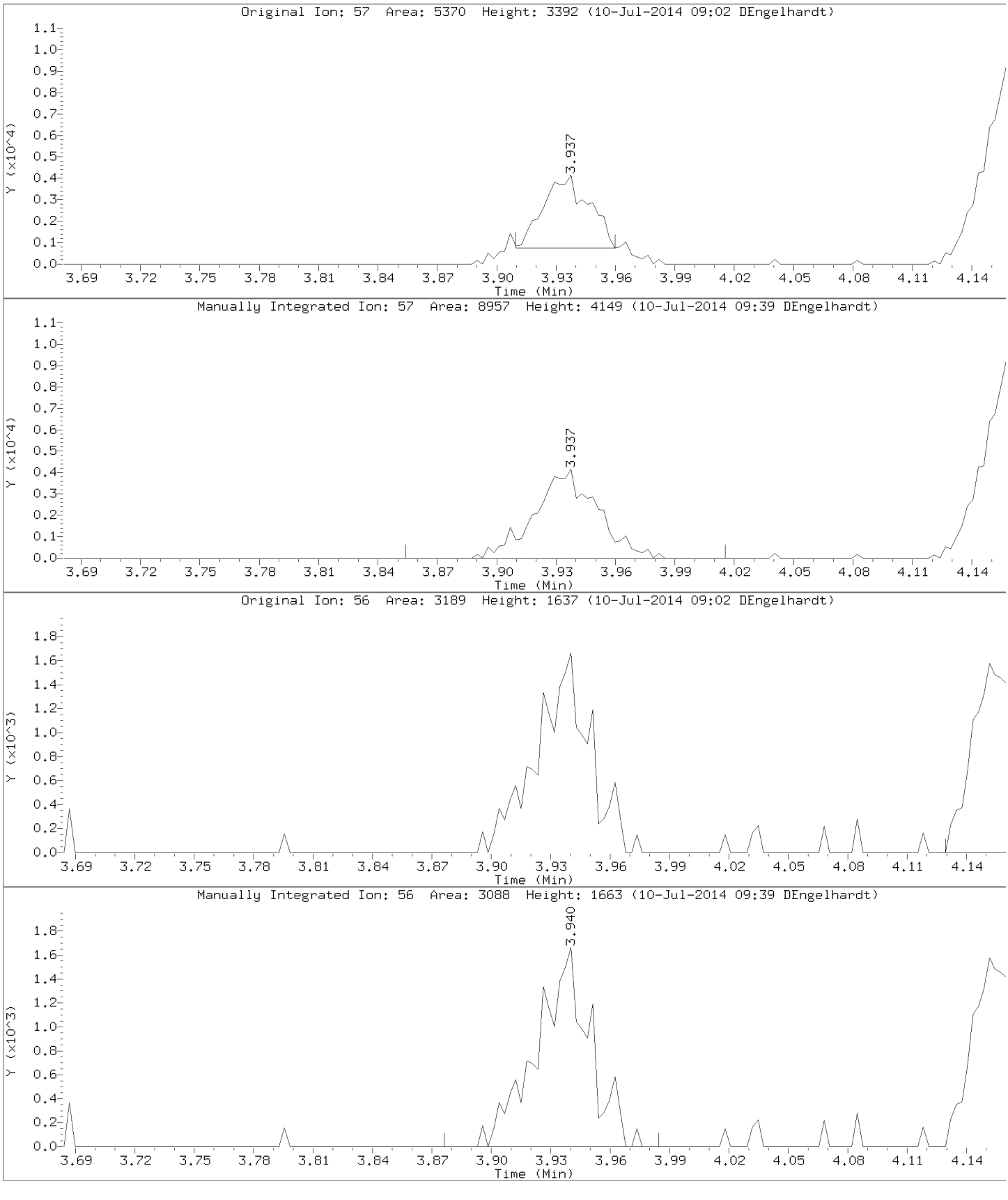
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 2,2,4-Trimethylpentane
CAS Number: 540-84-1



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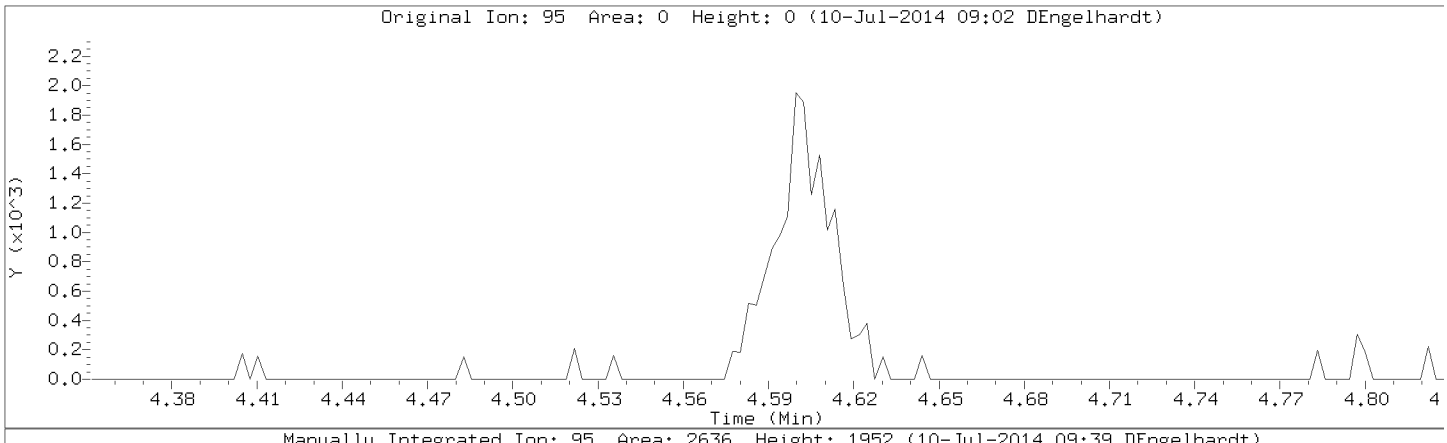
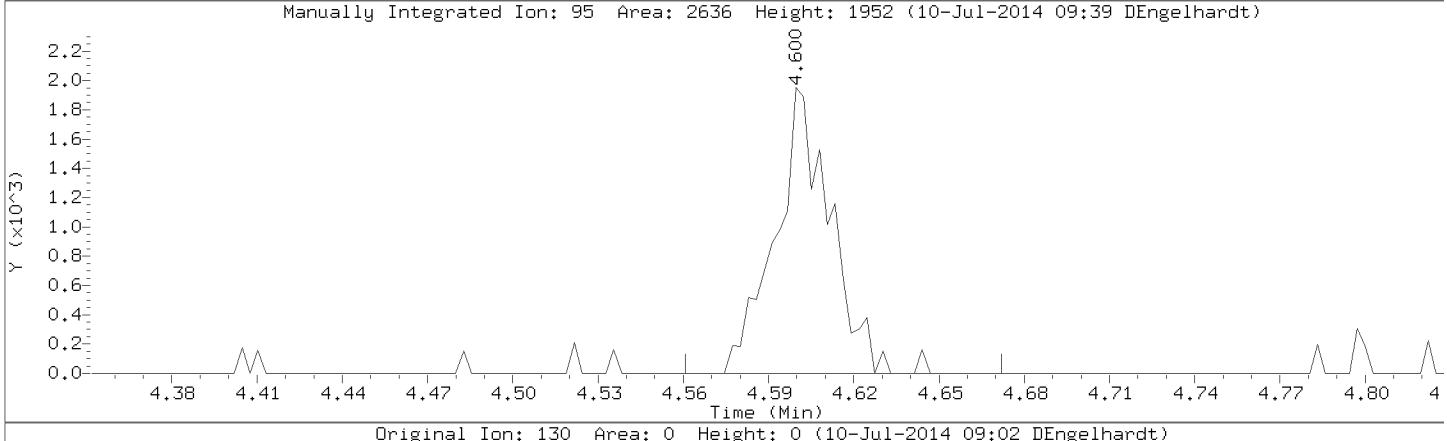
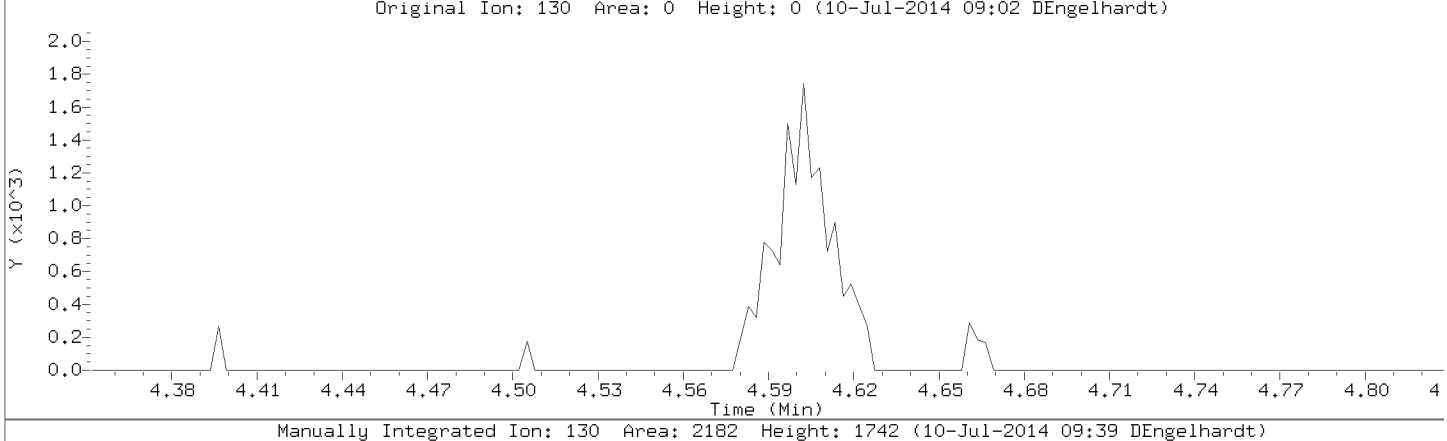
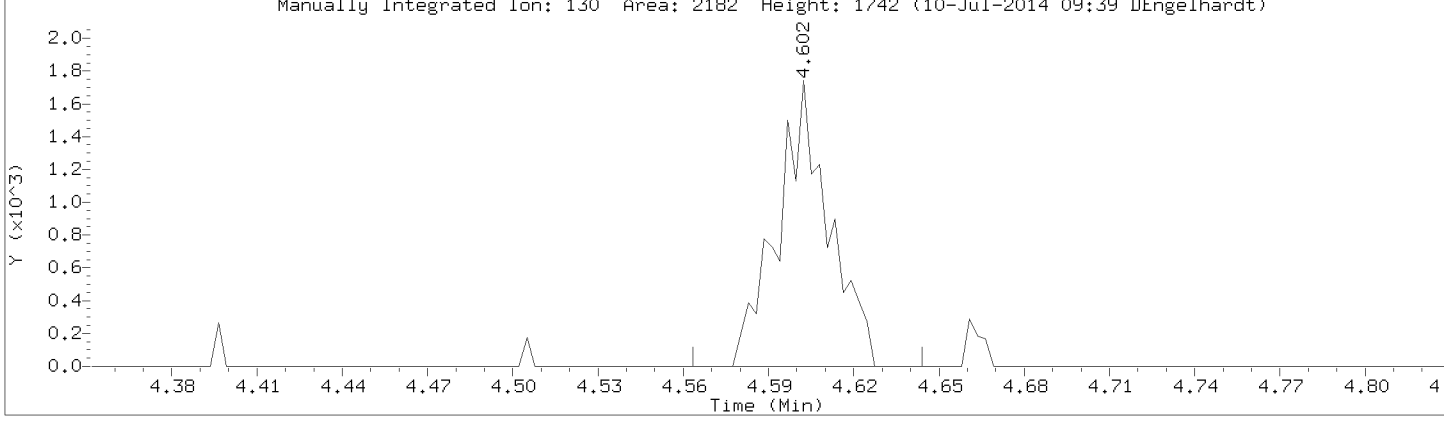
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Trichloroethene
CAS Number: 79-01-6









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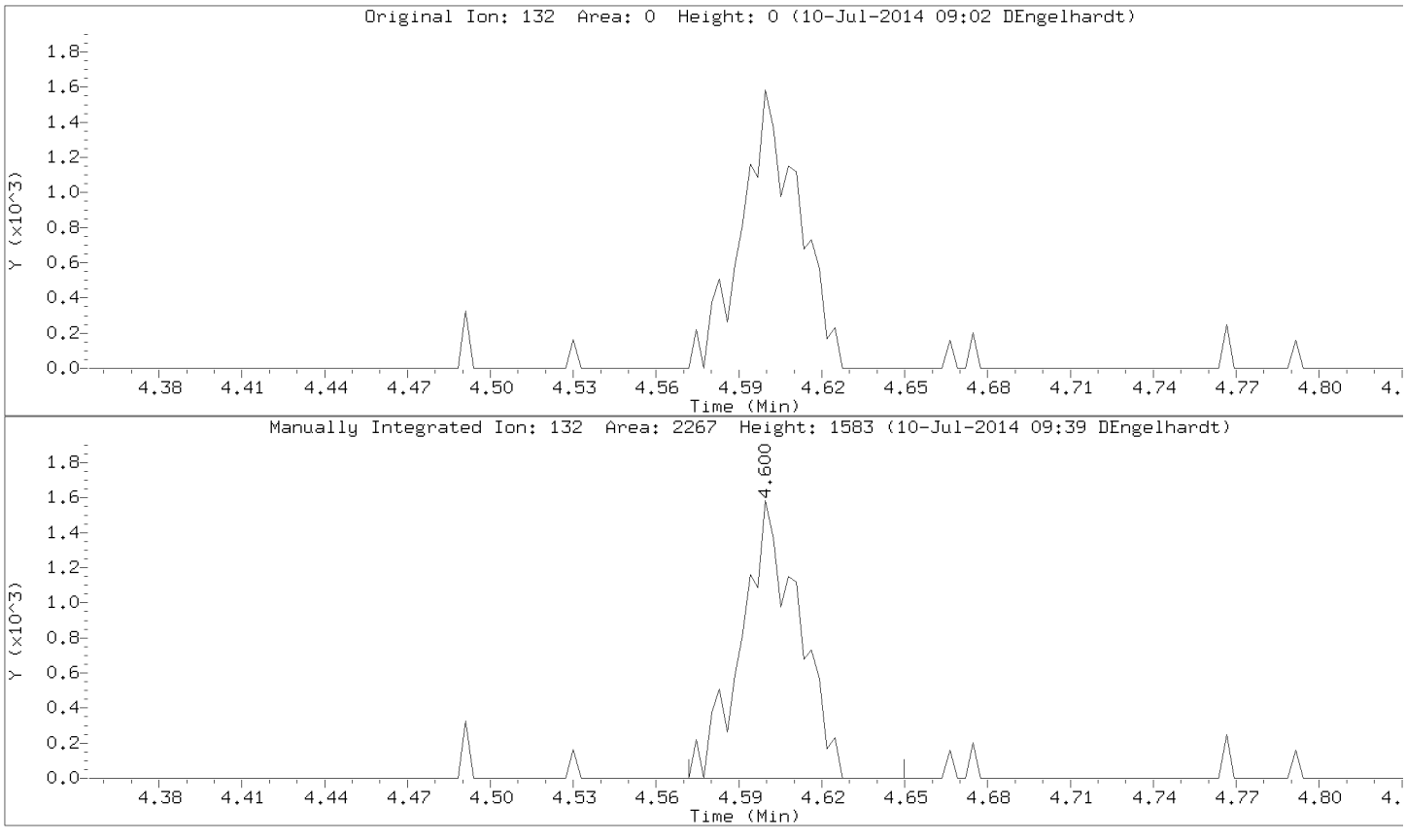
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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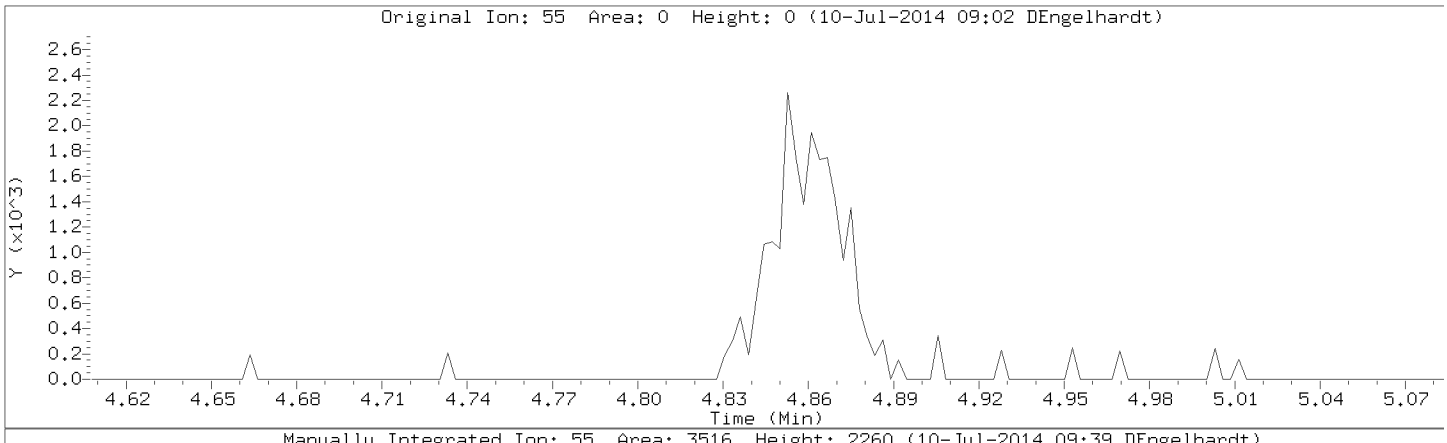
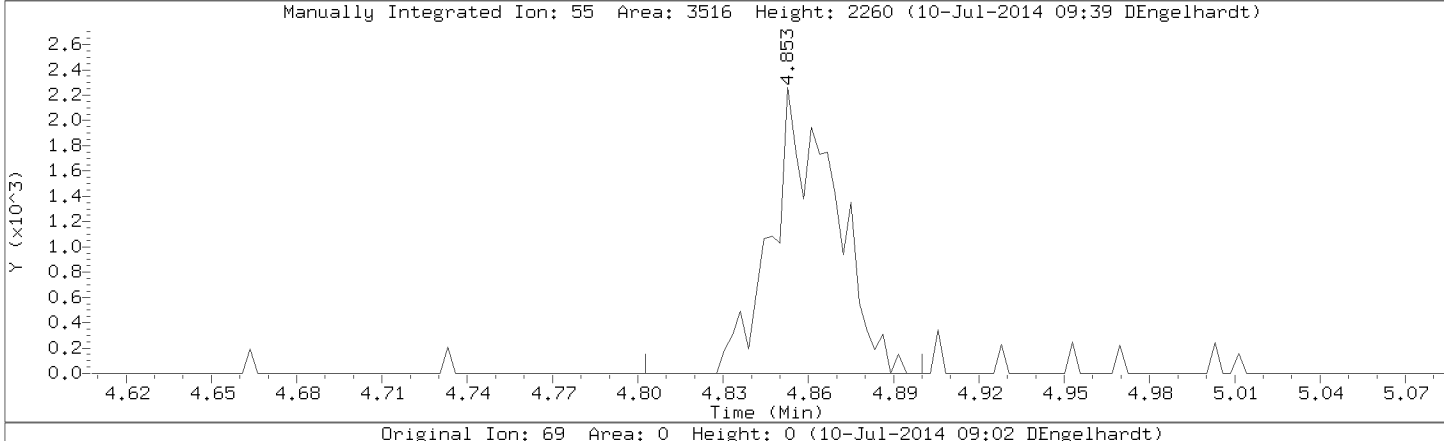
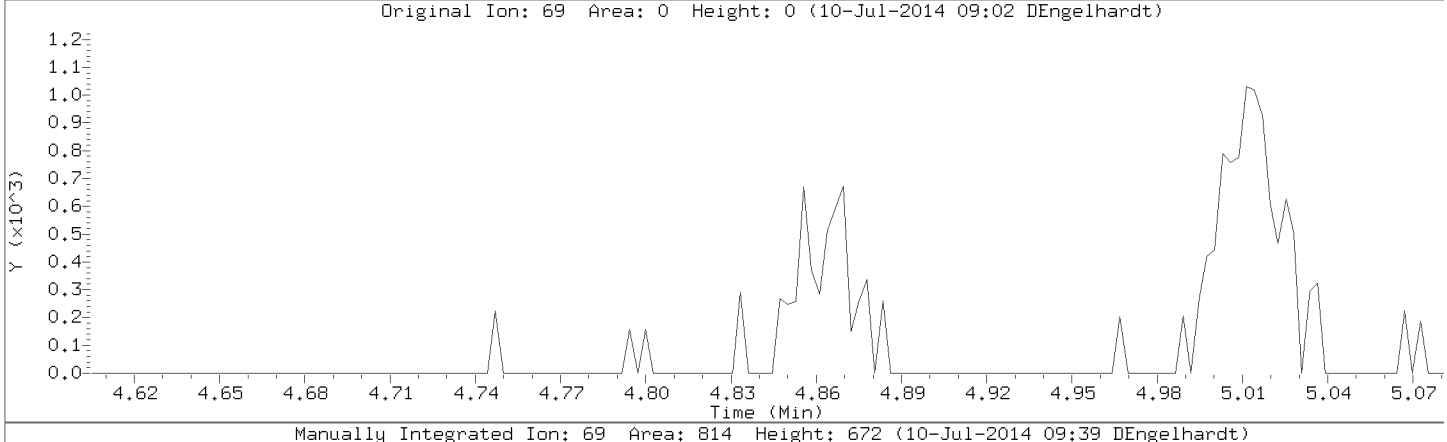
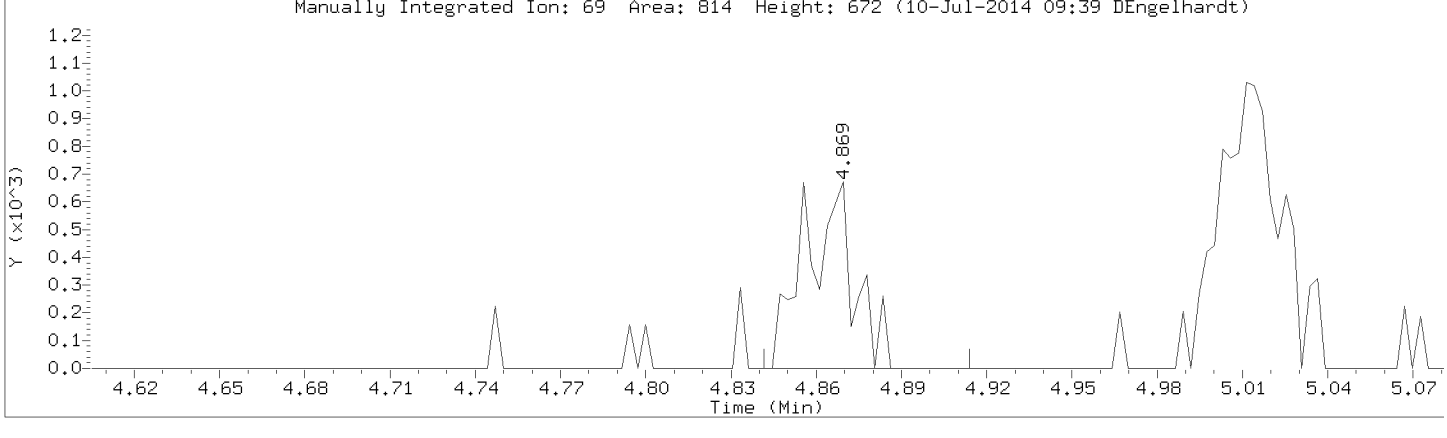
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Methylcyclohexane
CAS Number: 108-87-2









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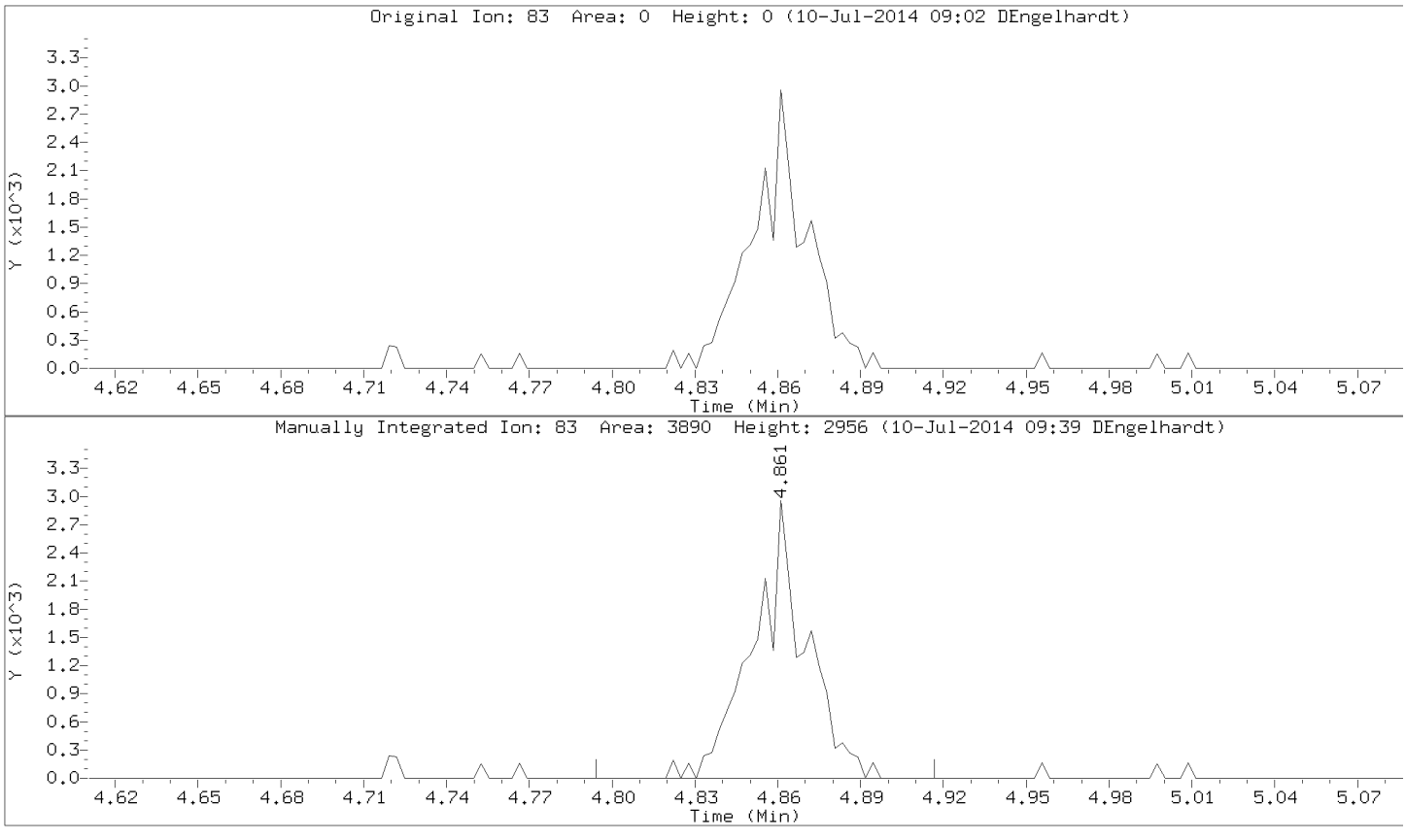
Lab Sample ID: 8260-CAL2,72088:0



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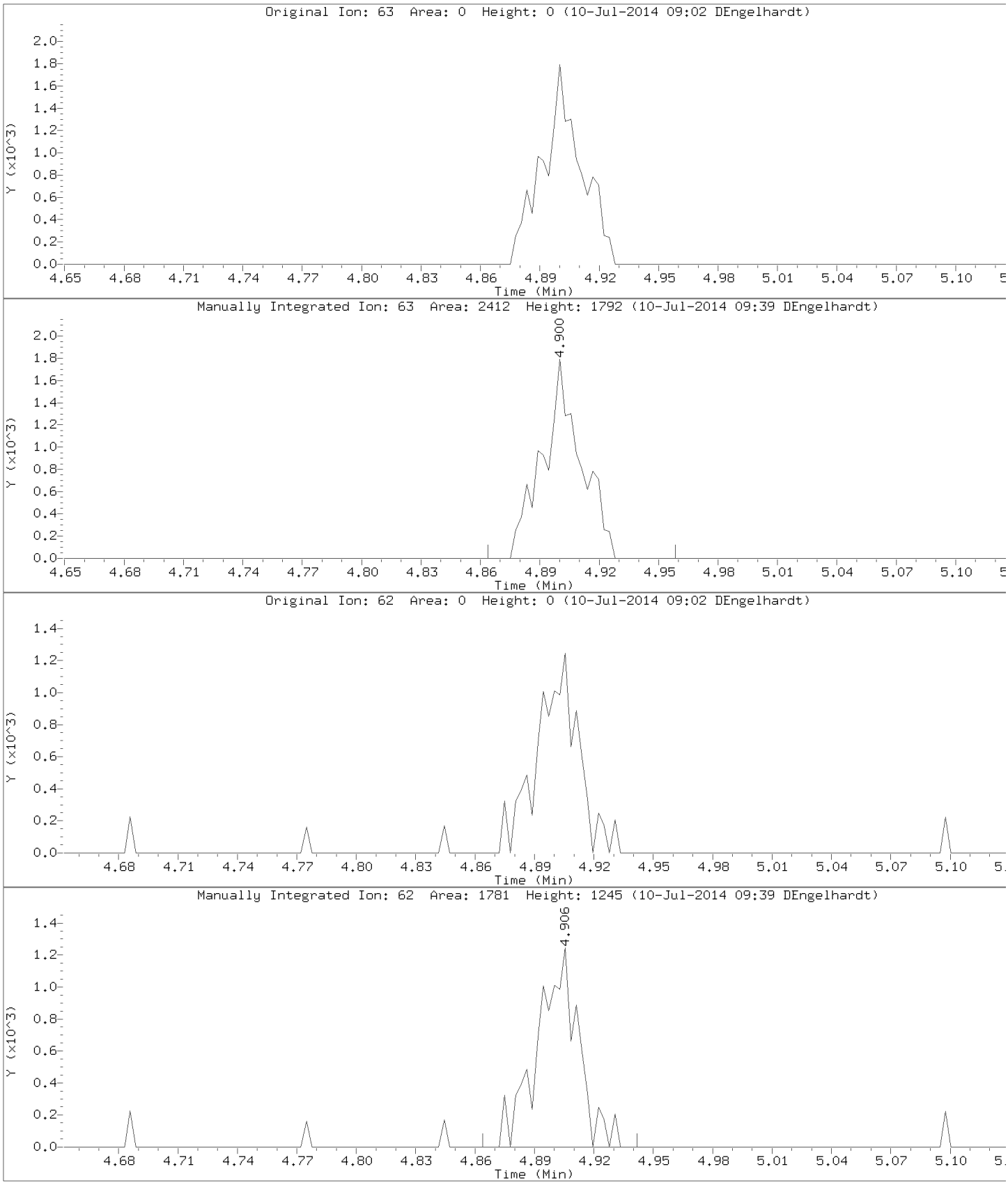
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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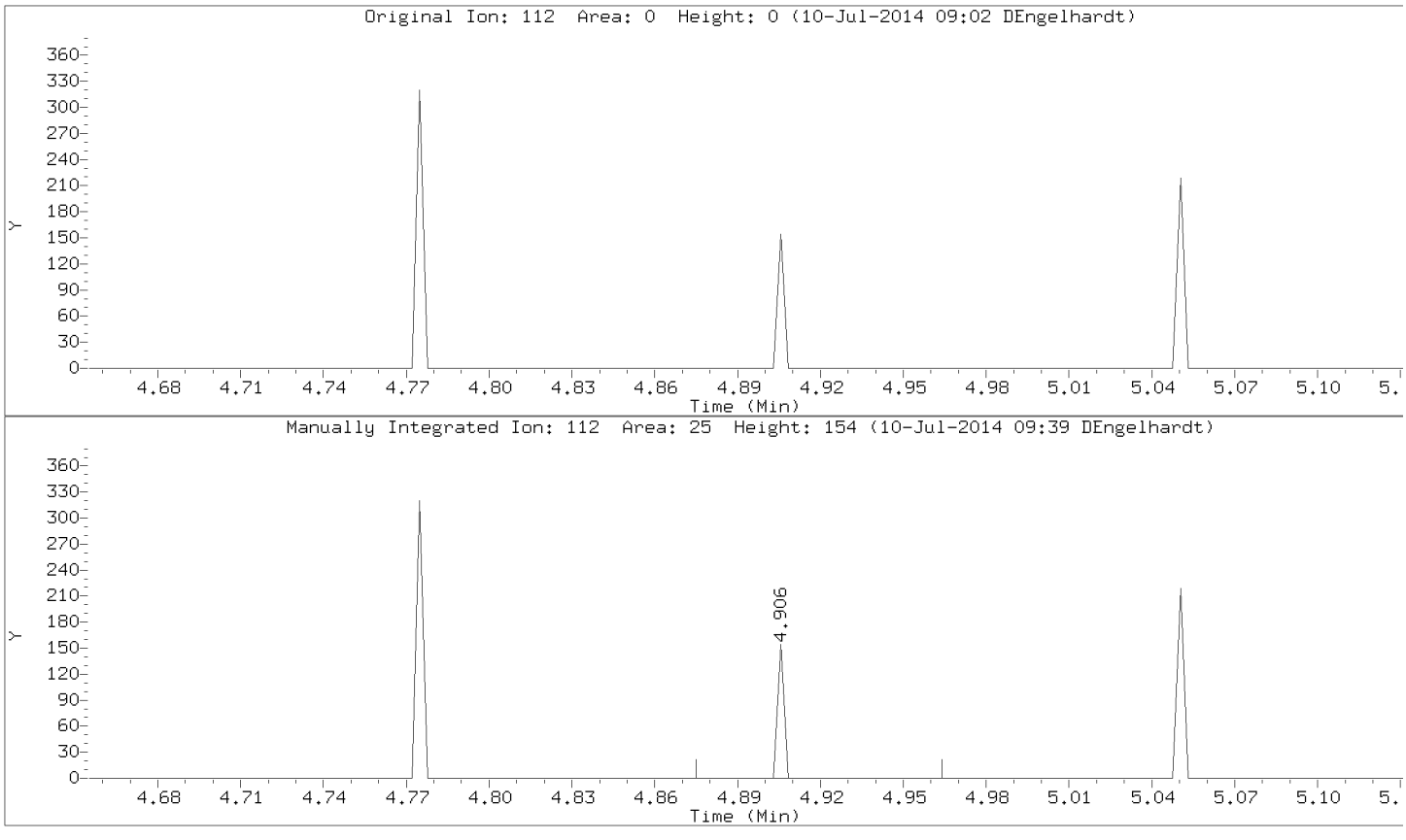
Lab Sample ID: 8260-CAL2,72088:0



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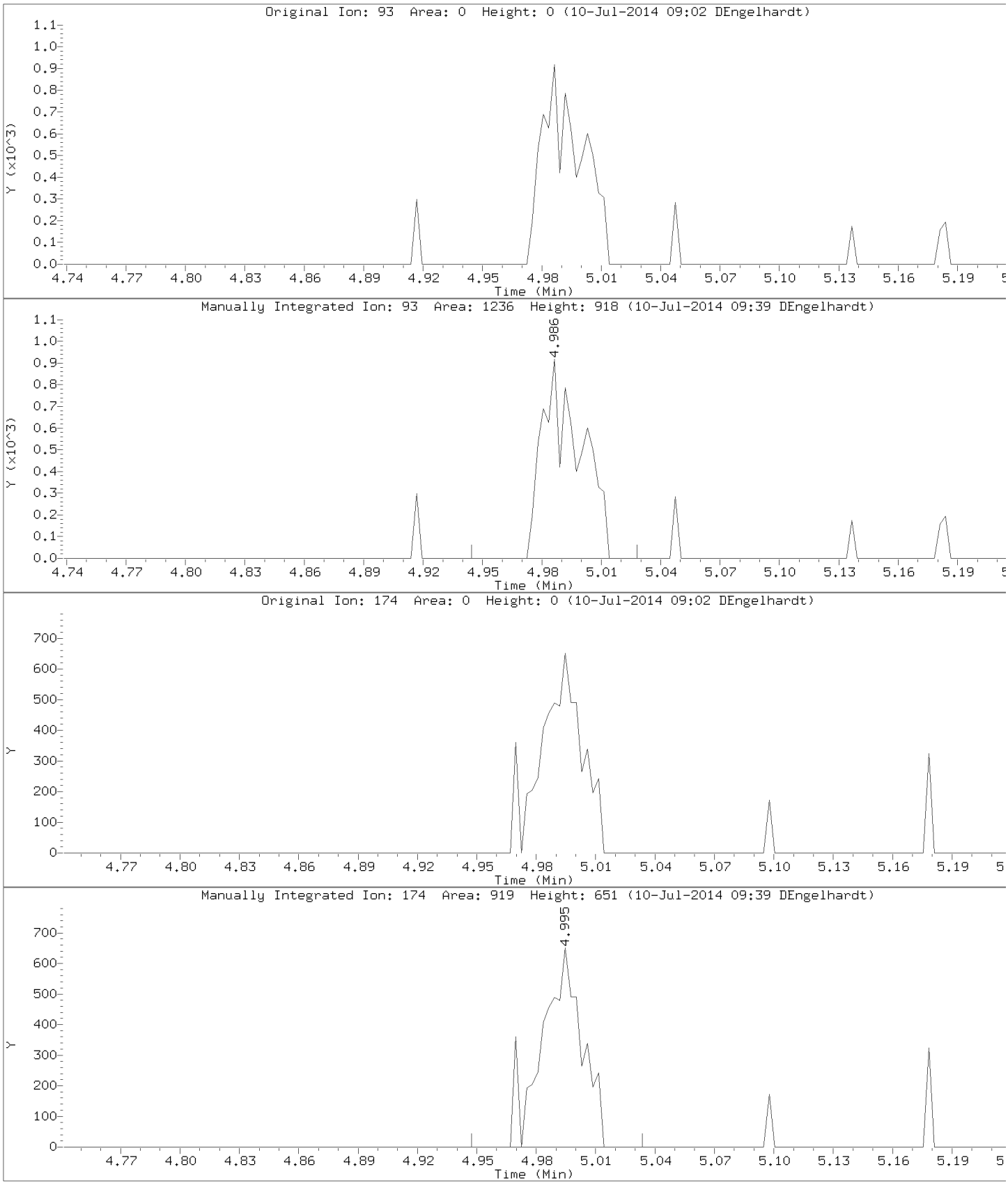
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Dibromomethane
CAS Number: 74-95-3



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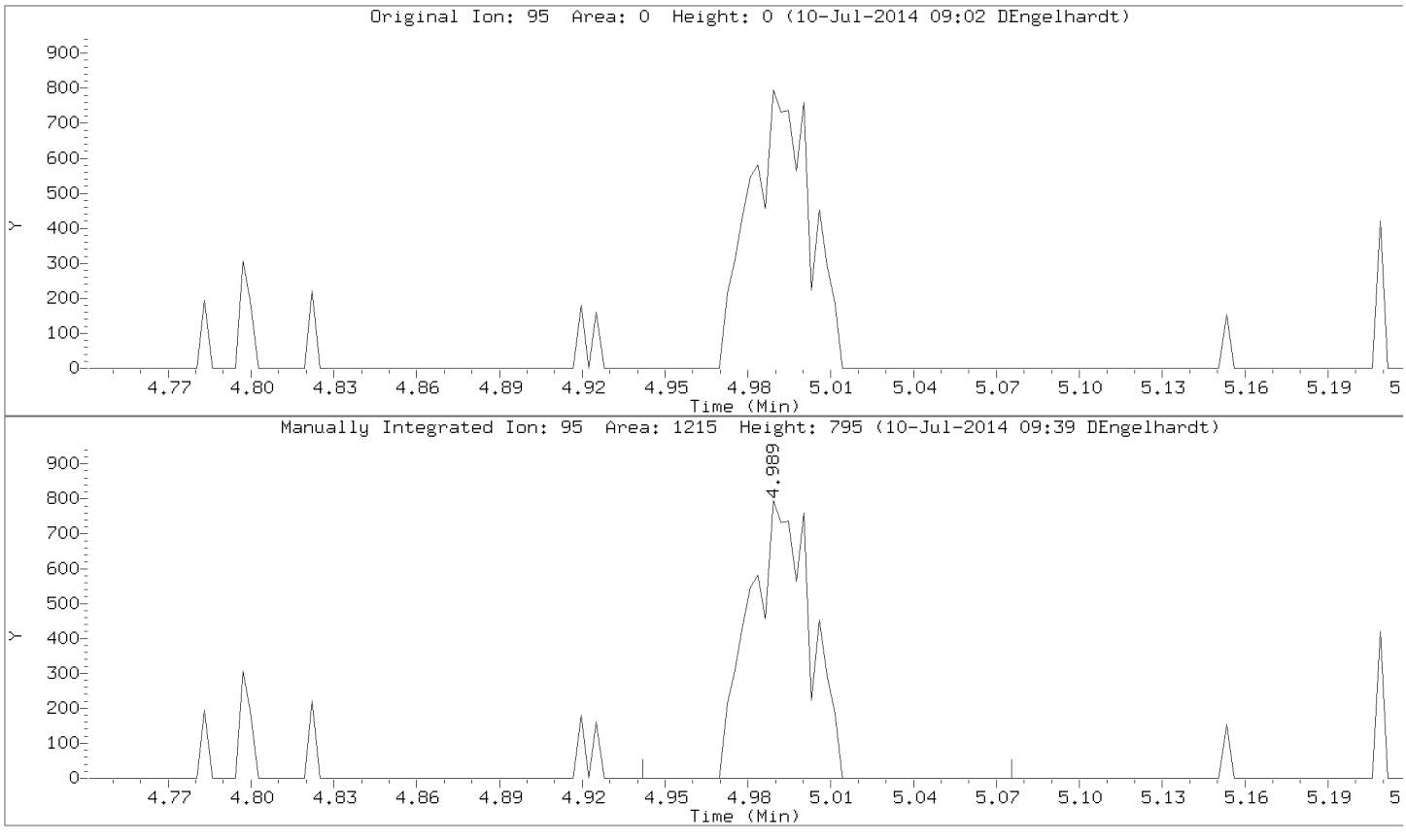
Lab Sample ID: 8260-CAL2,72088:0



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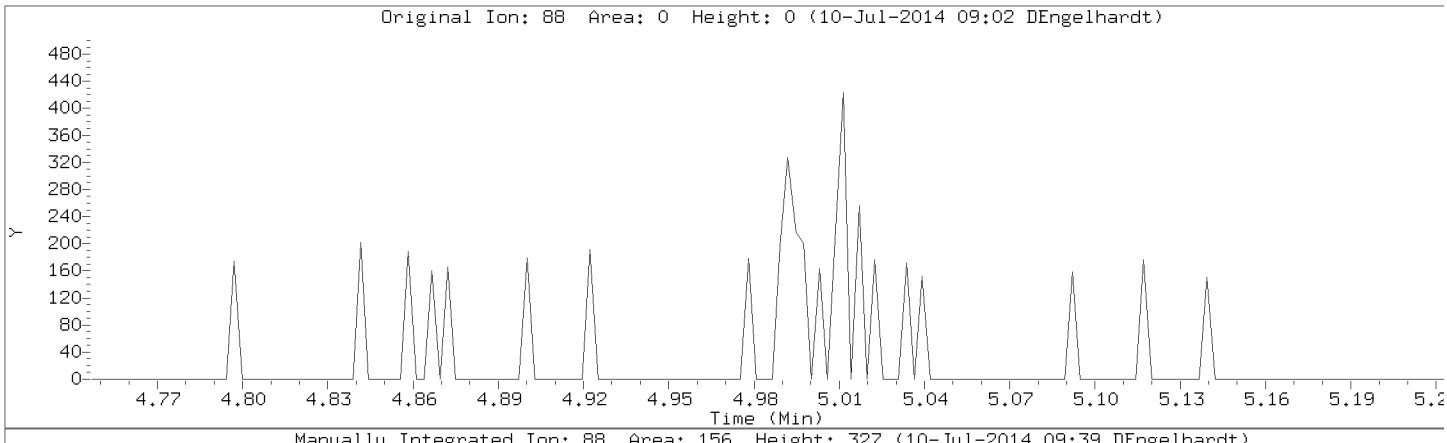
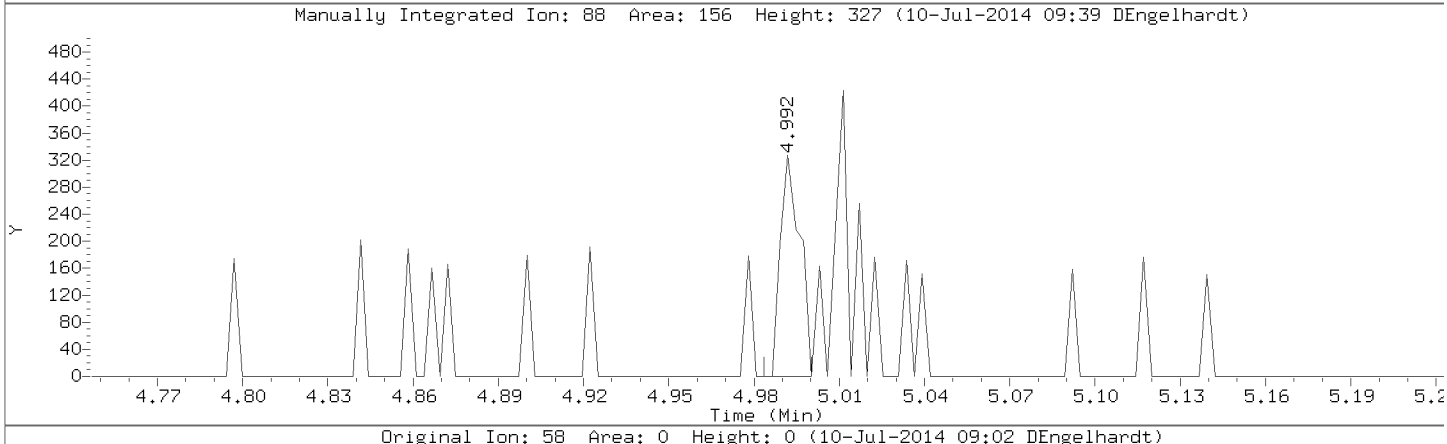
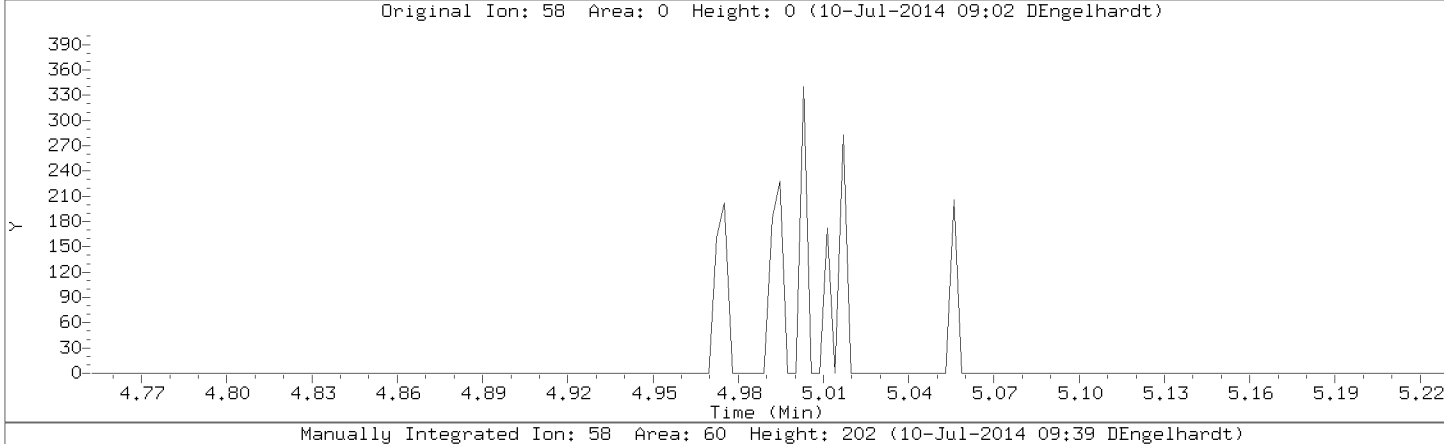
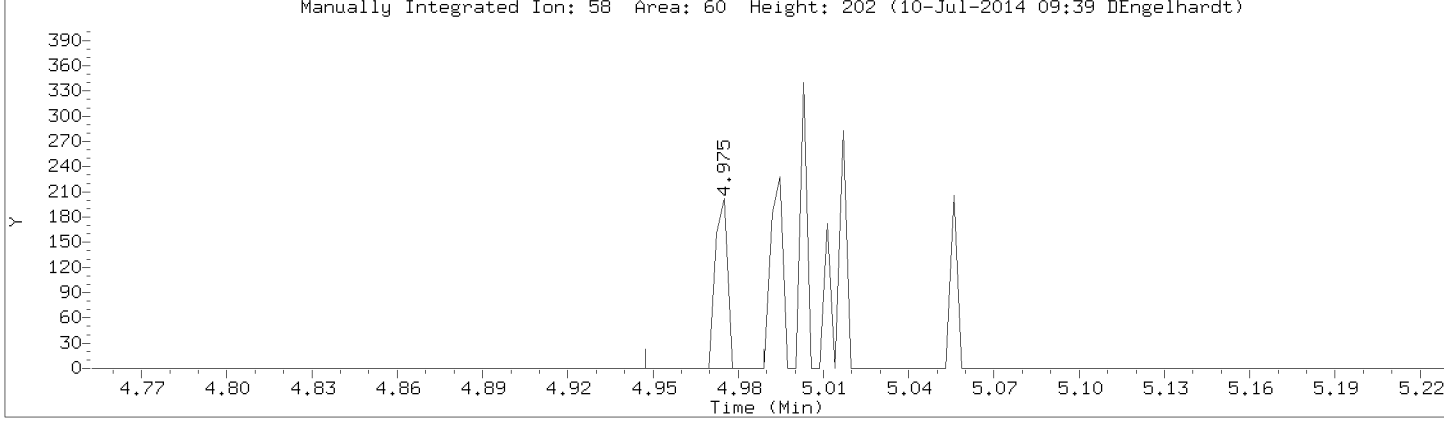
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,4-Dioxane
CAS Number:









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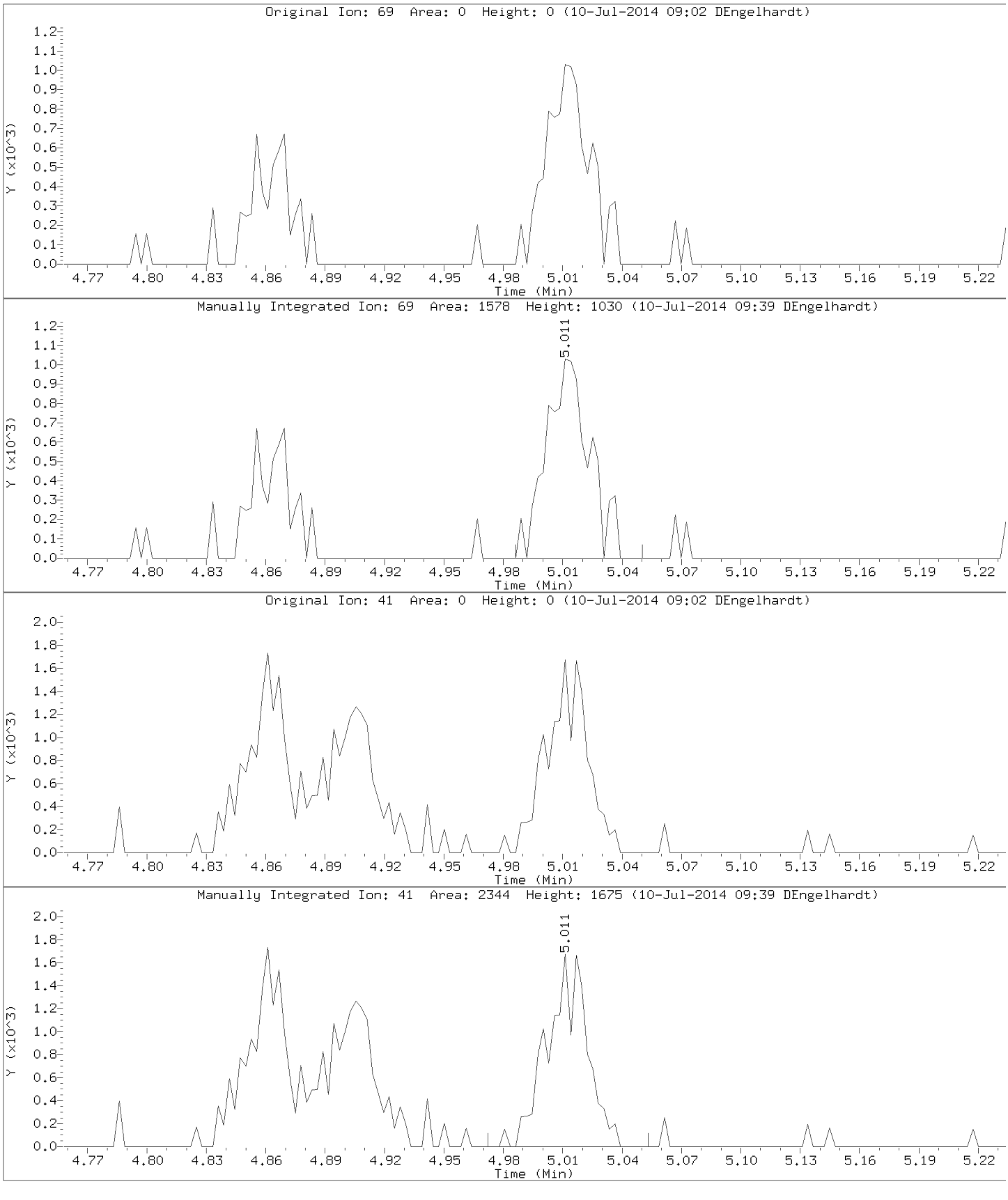
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Methyl methacrylate
CAS Number: 80-62-6



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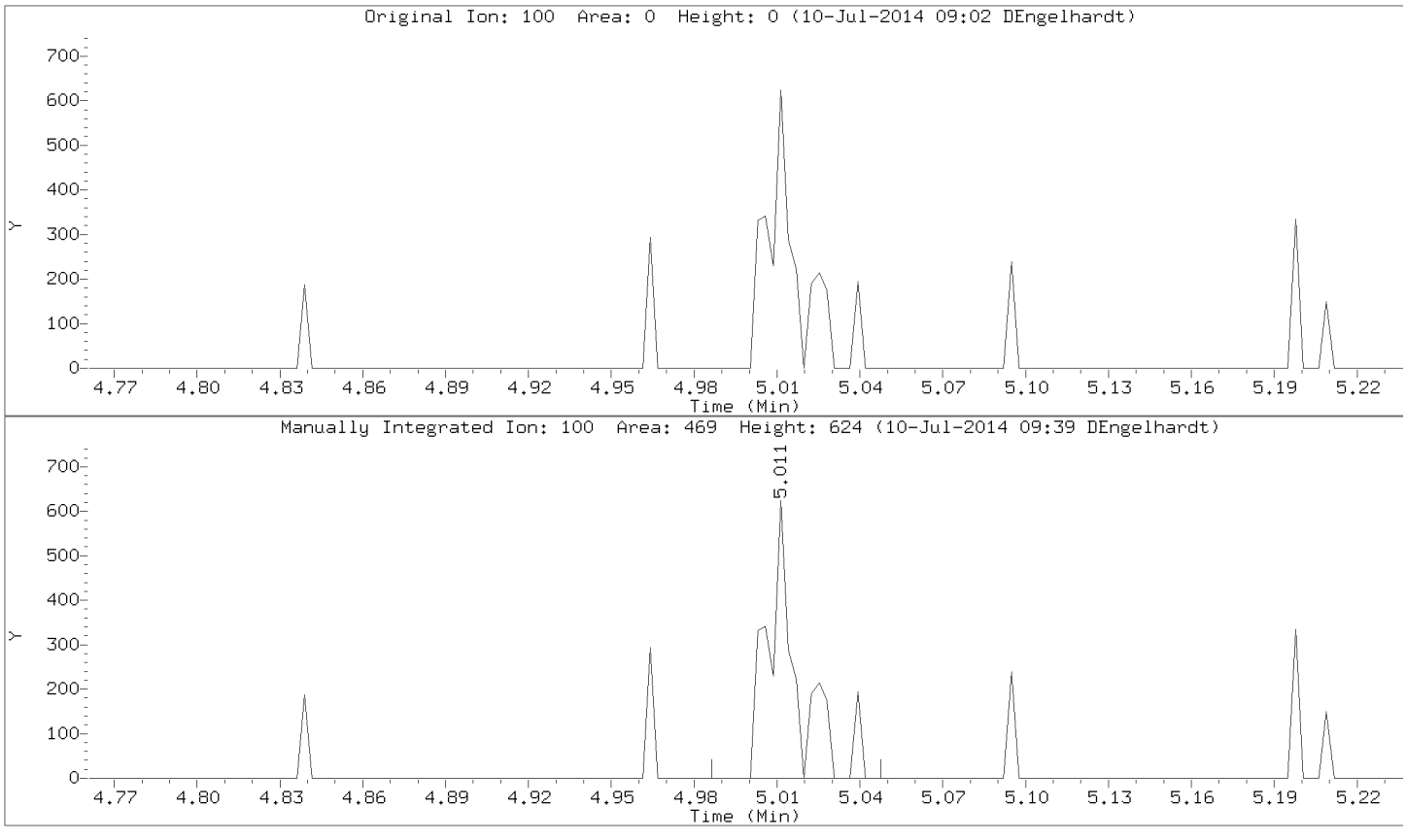
Lab Sample ID: 8260-CAL2,72088:0



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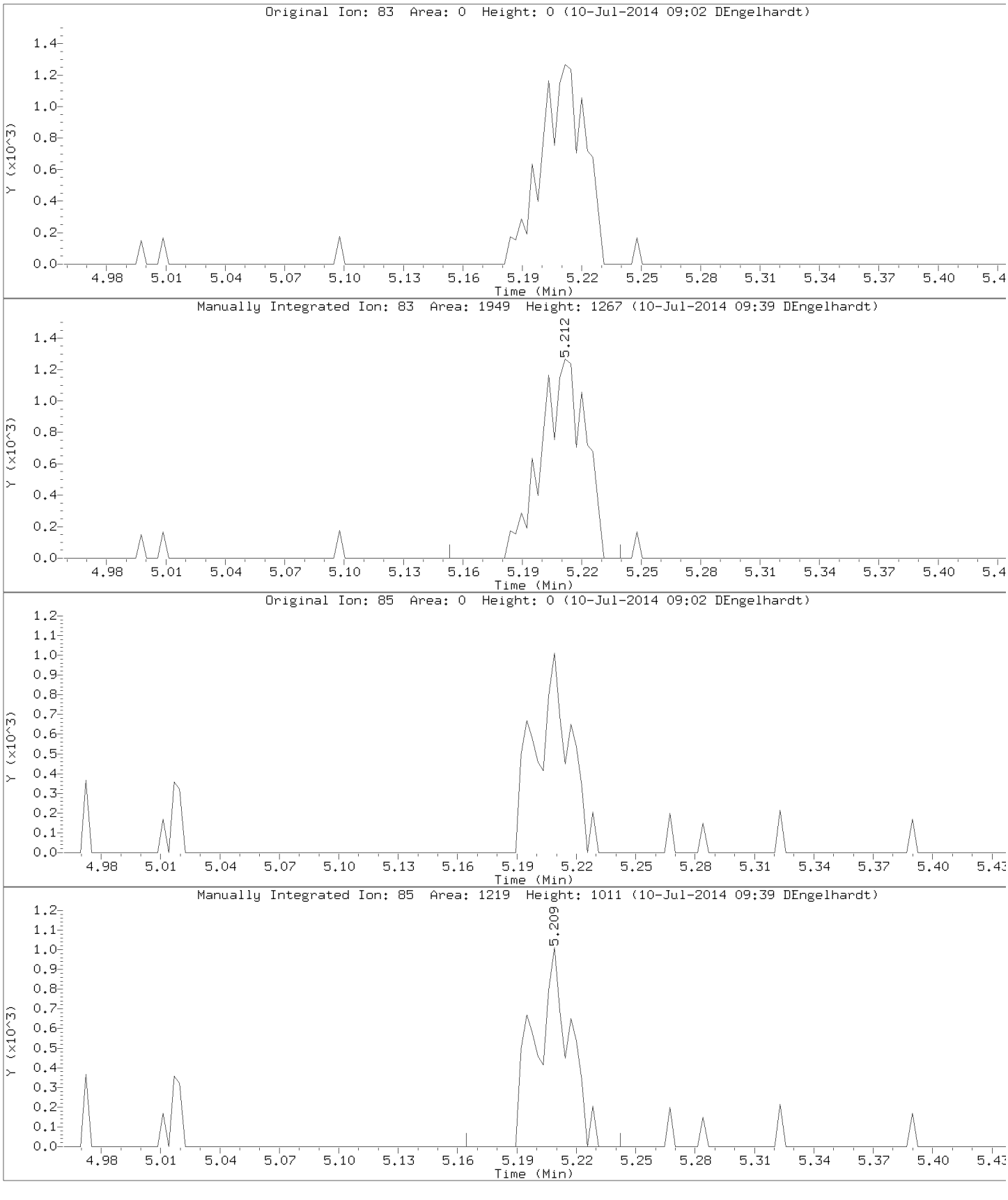
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



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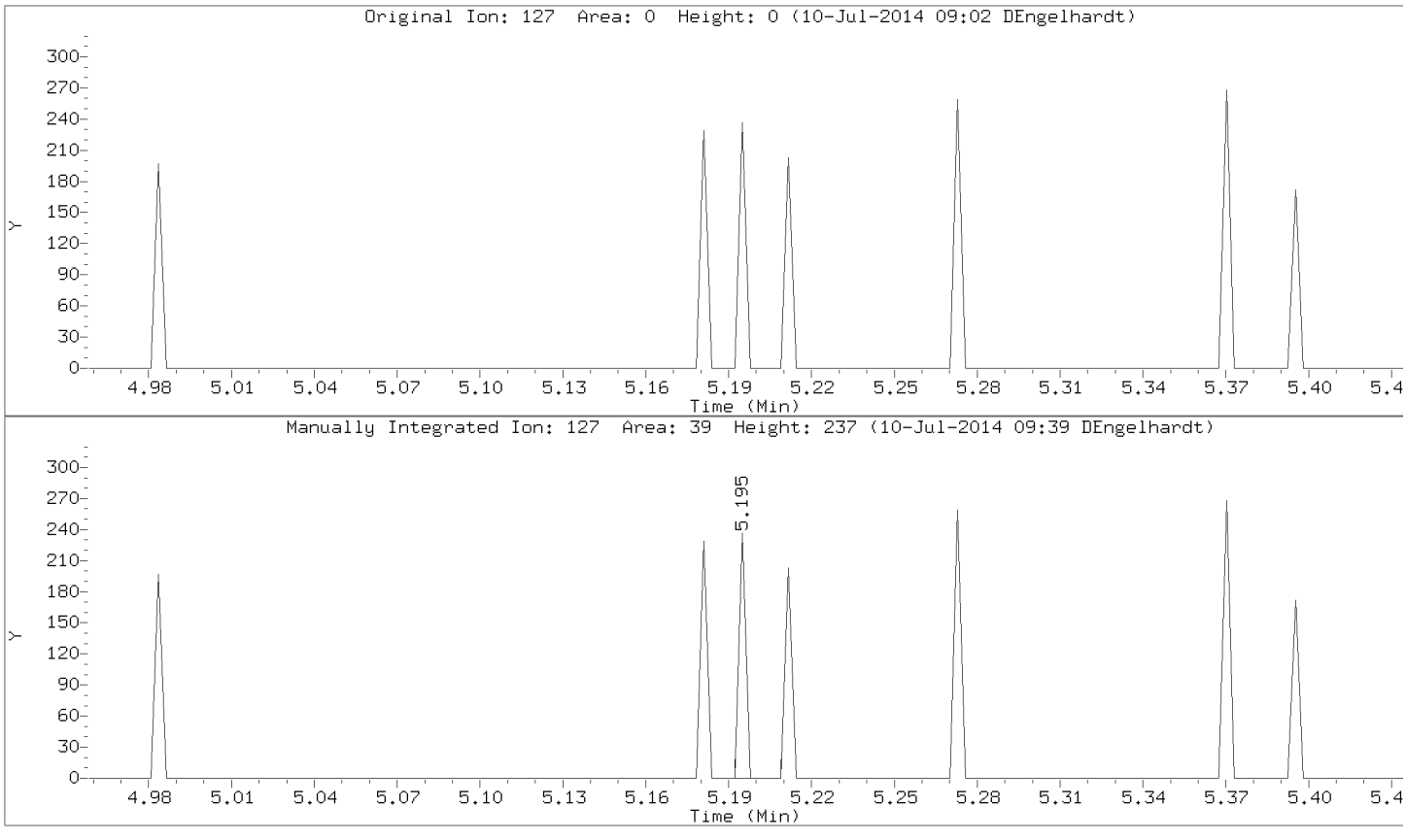
Lab Sample ID: 8260-CAL2,72088:0



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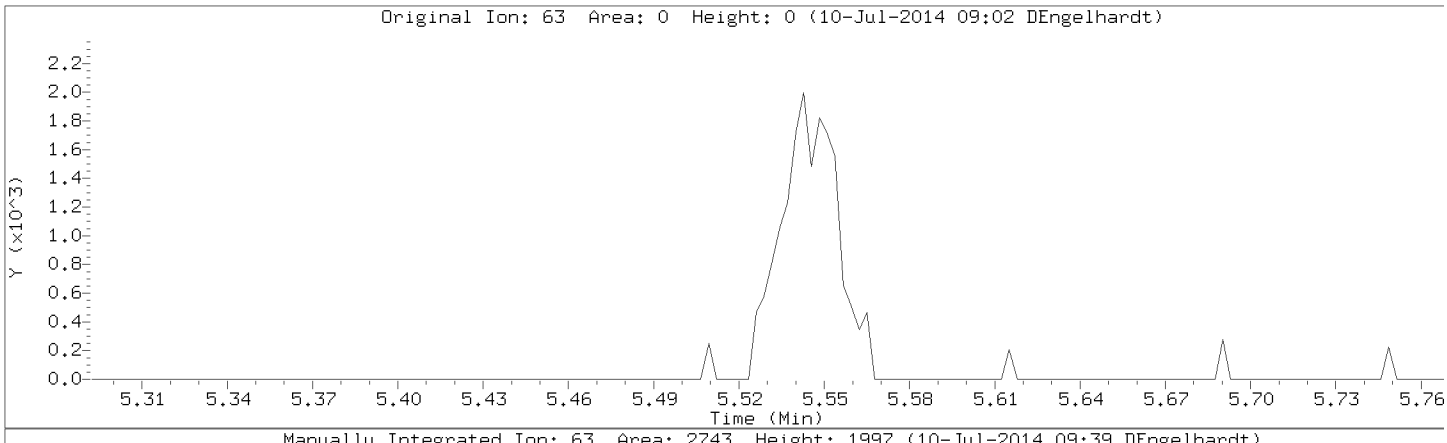
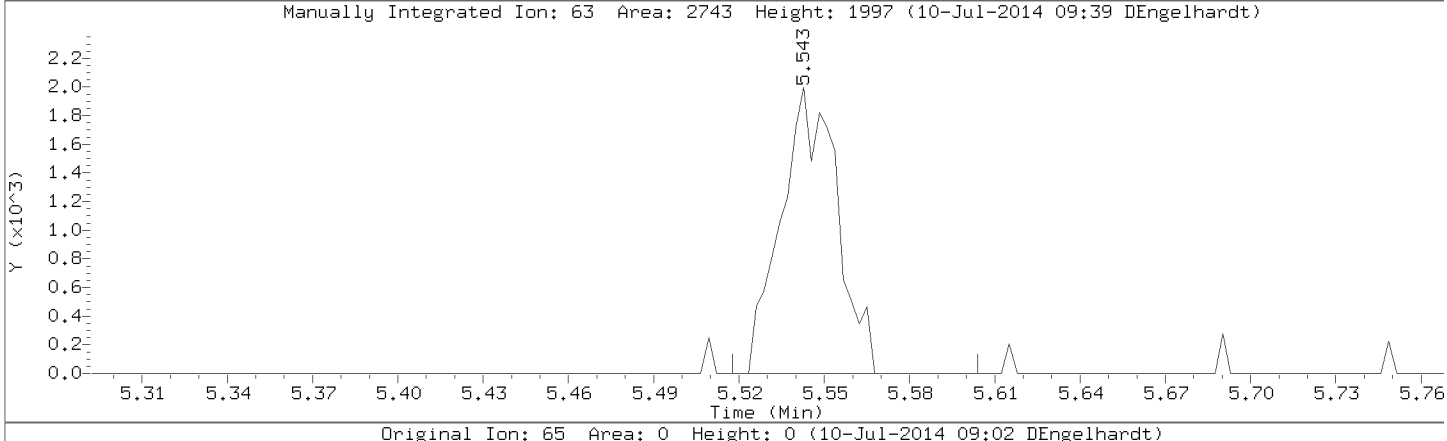
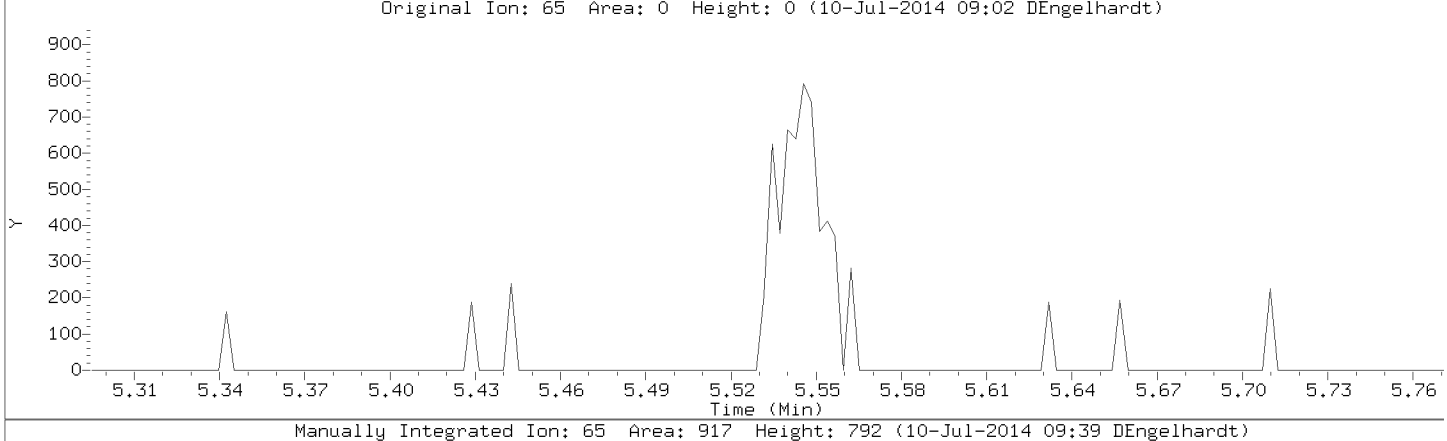
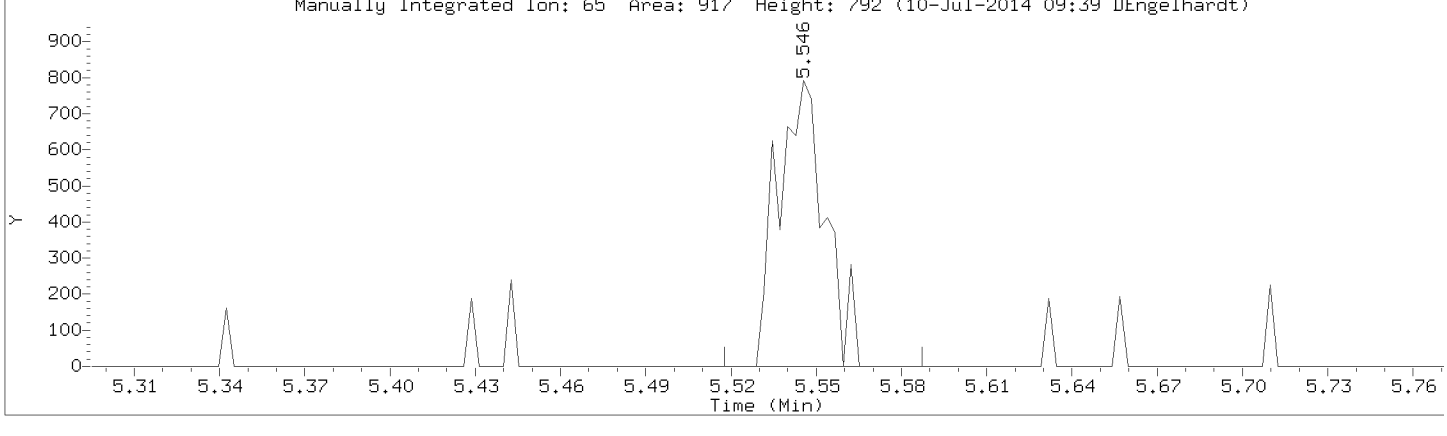
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8









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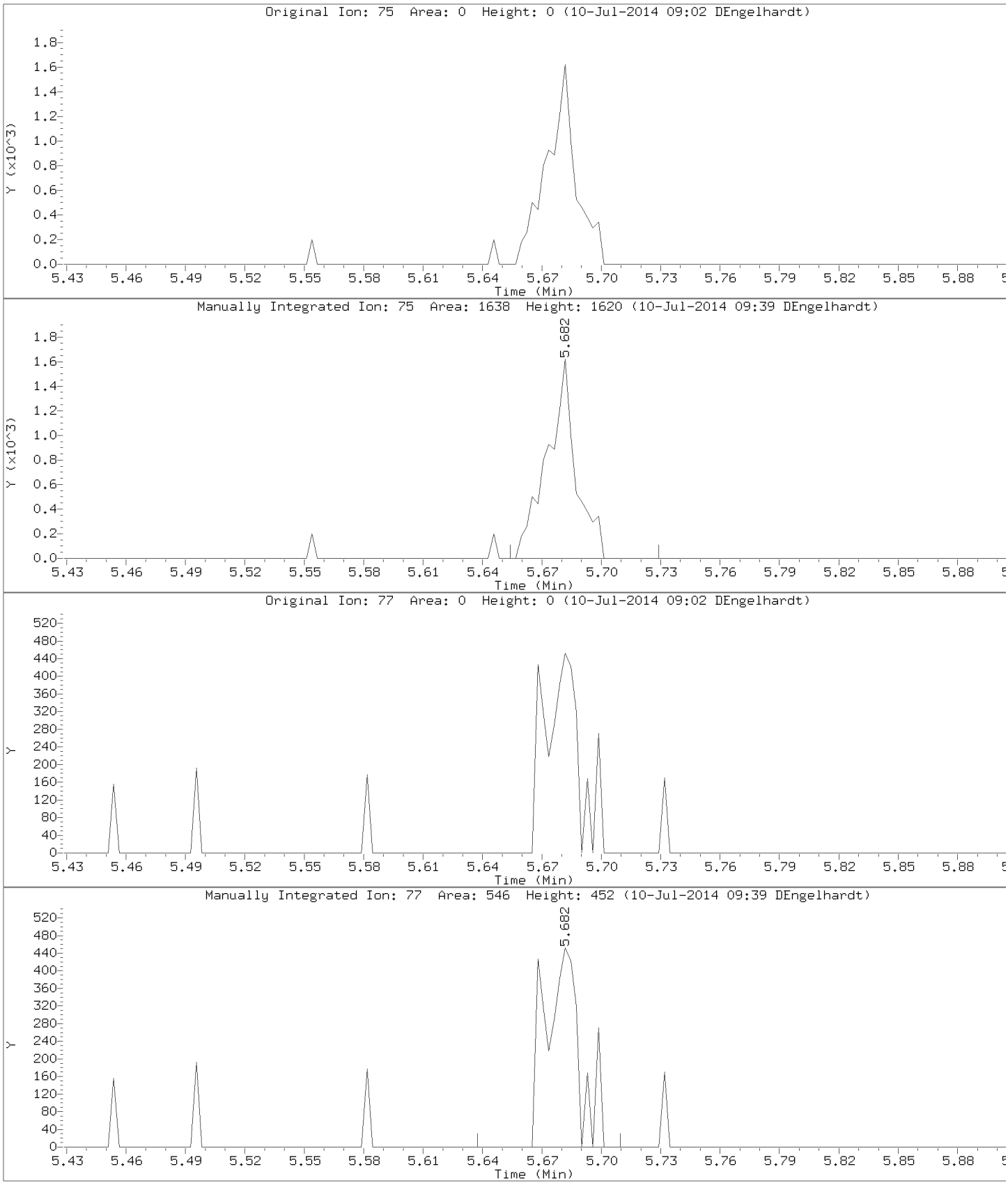
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: cis-1,3-Dichloropropene
CAS Number: 10061-01-5



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Injection Date: 09-JUL-2014 16:52
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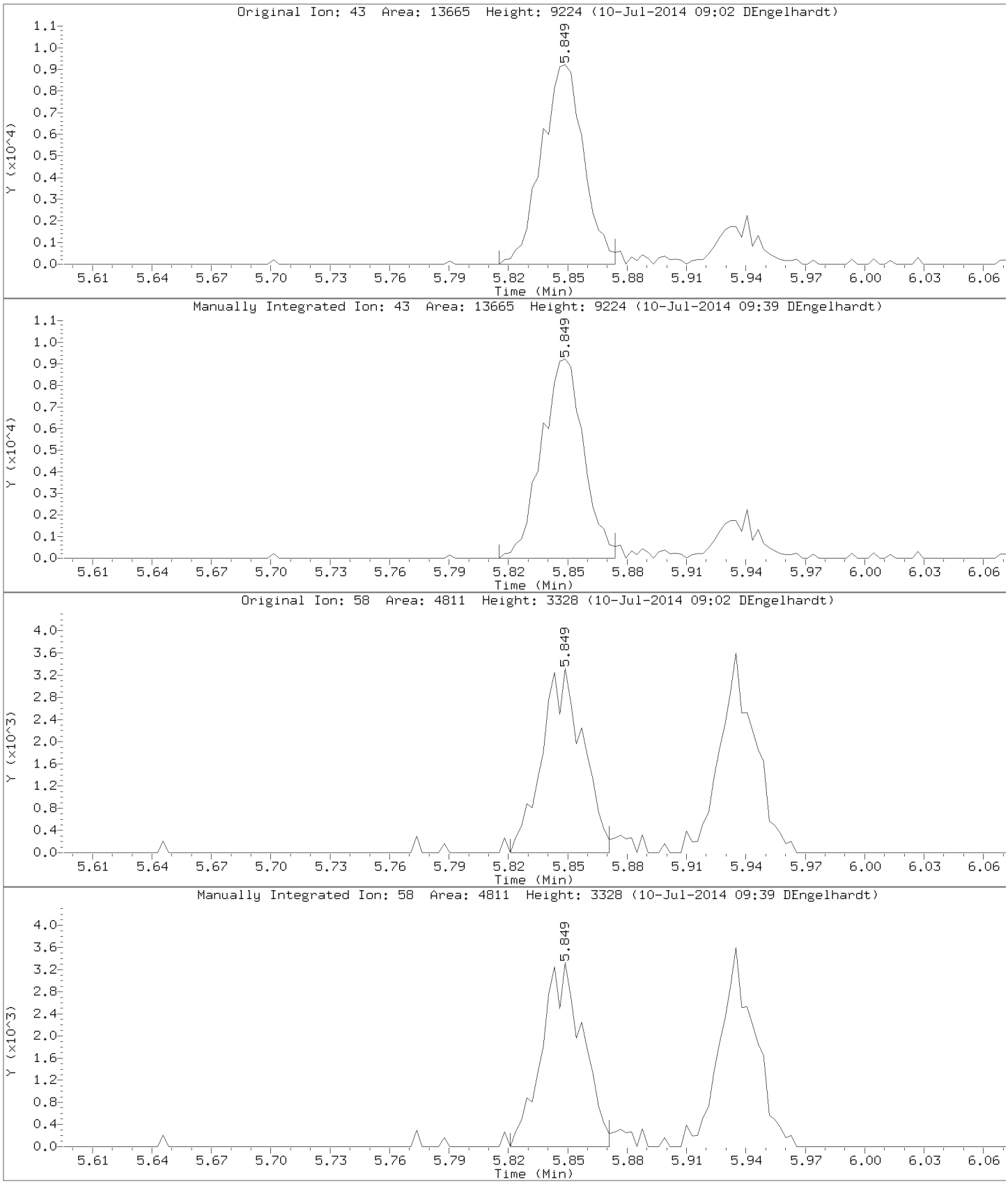
Lab Sample ID: 8260-CAL2,72088:0

Compound: 4-Methyl-2-Pentanone
CAS Number: 108-10-1



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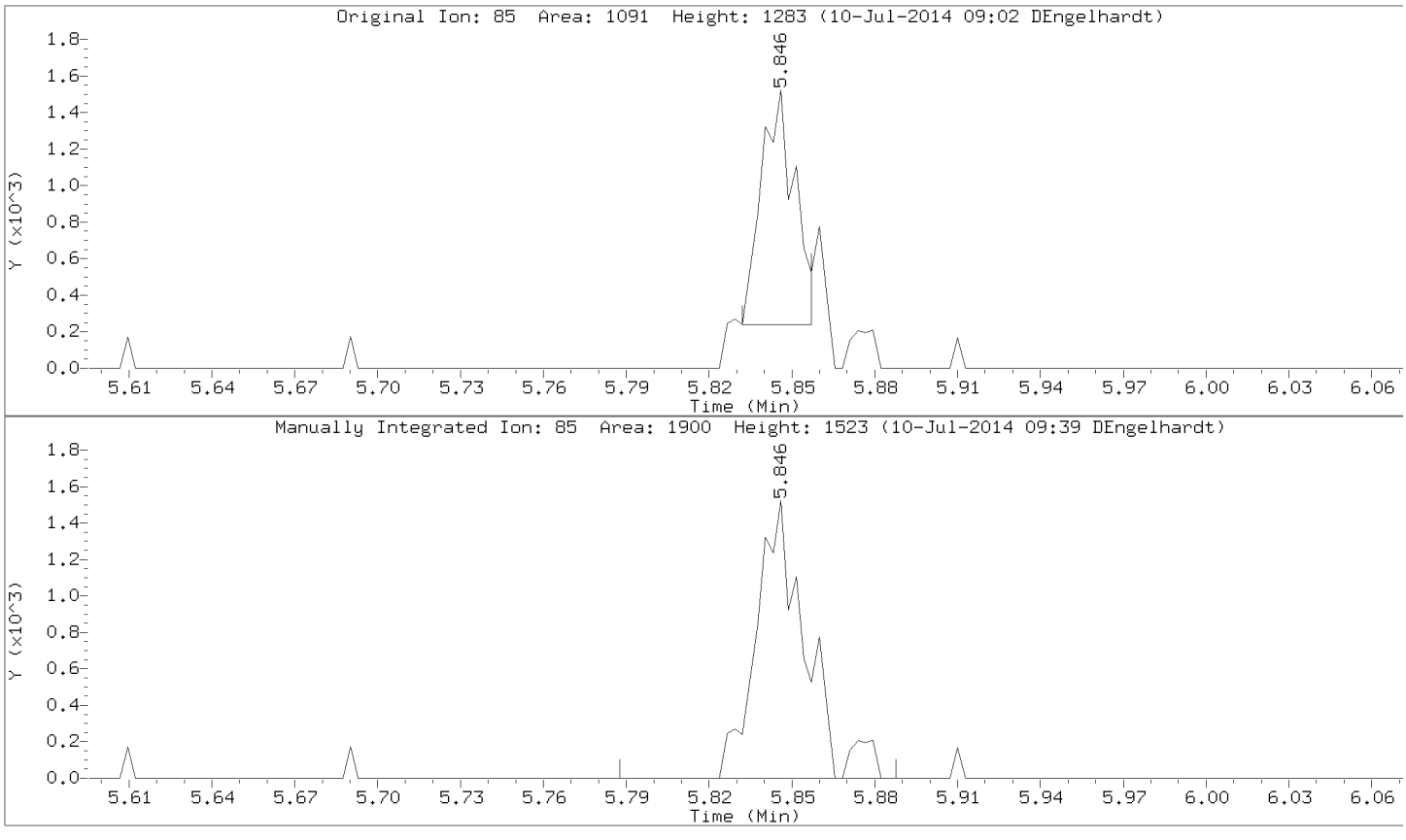
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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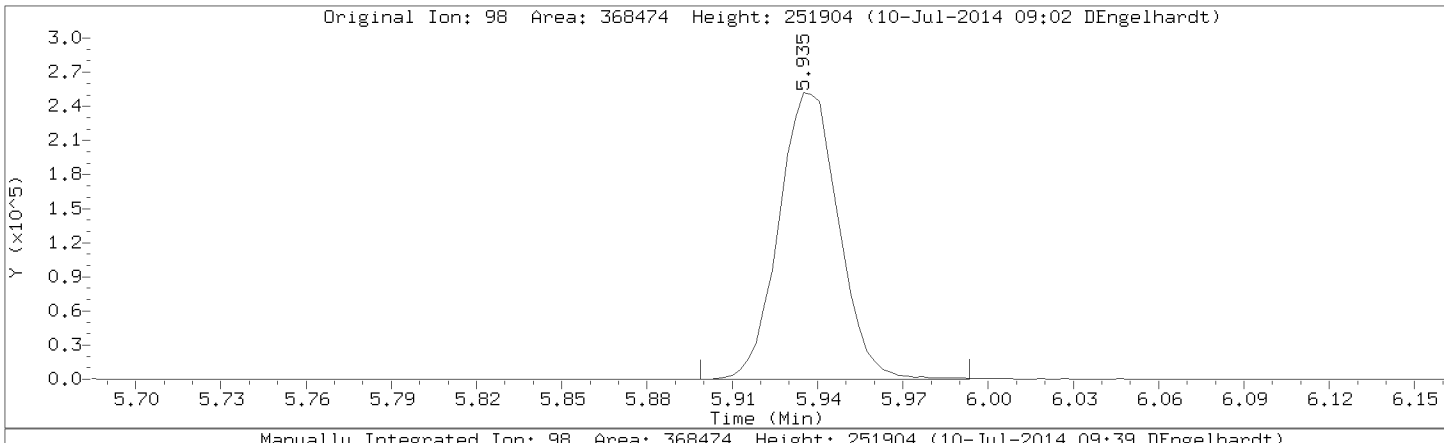
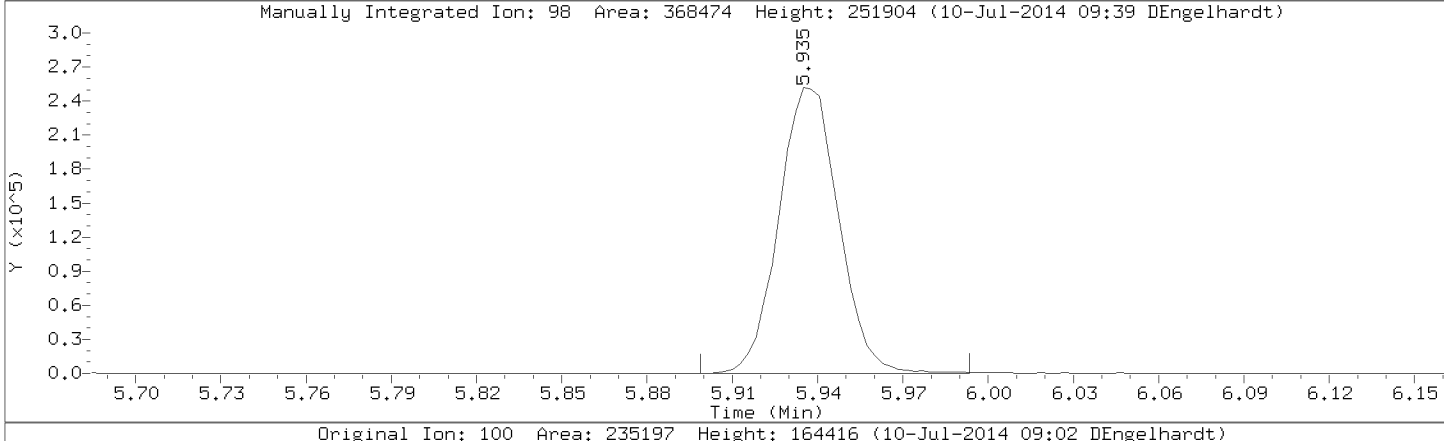
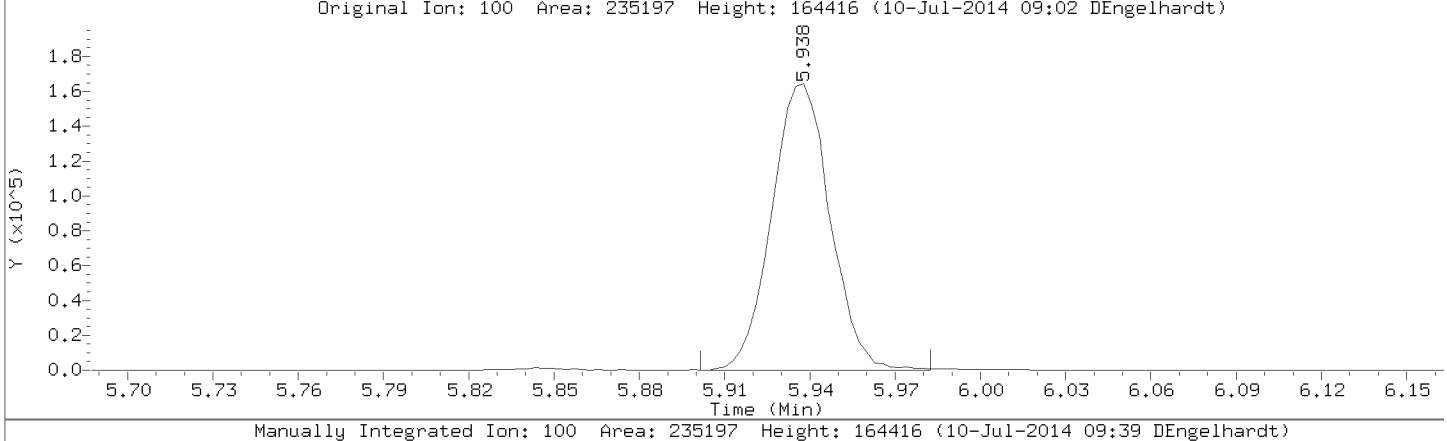
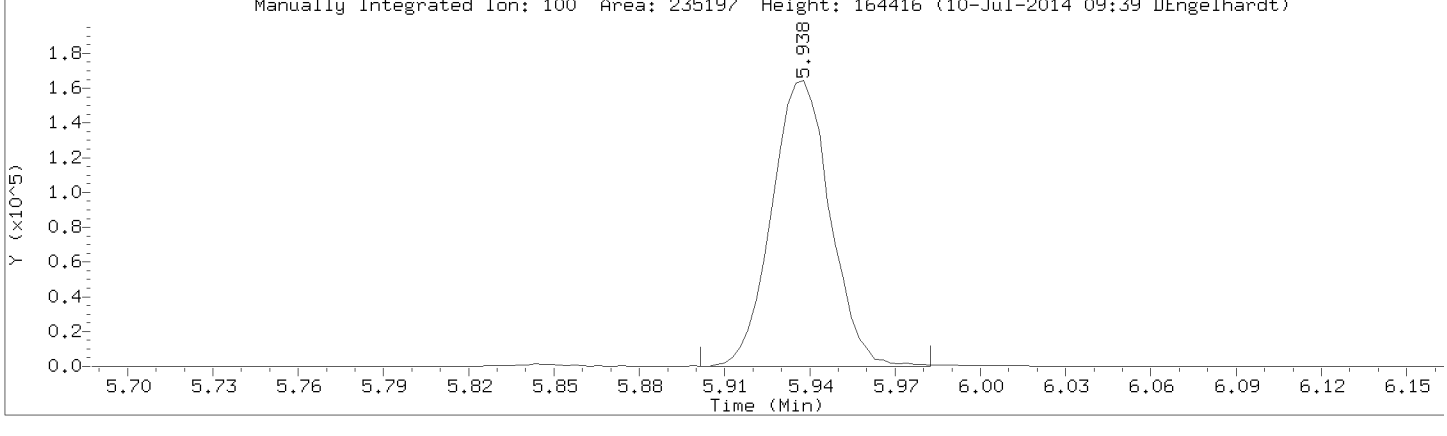
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Toluene-d8
CAS Number: 2037-26-5









Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
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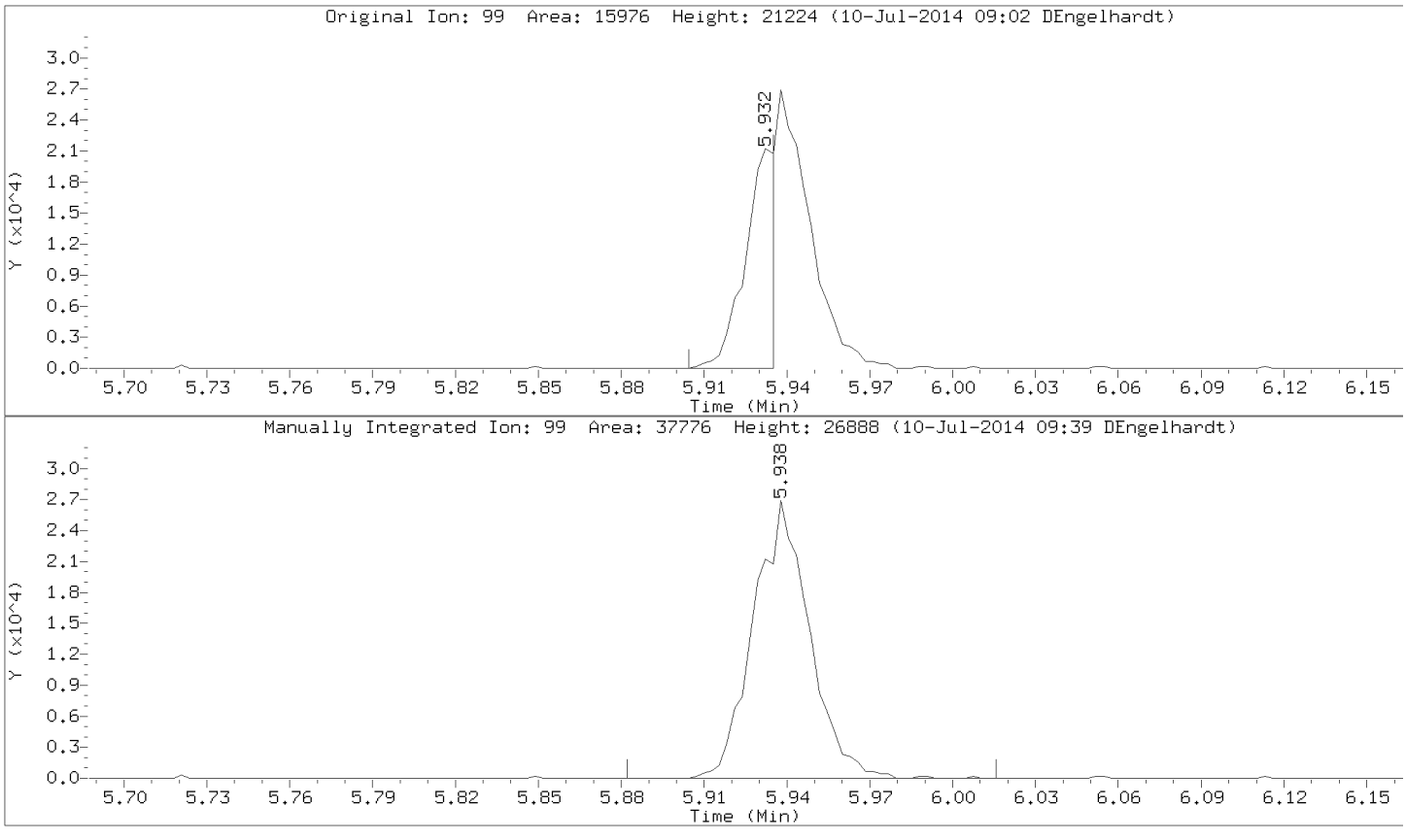
Lab Sample ID: 8260-CAL2,72088:0



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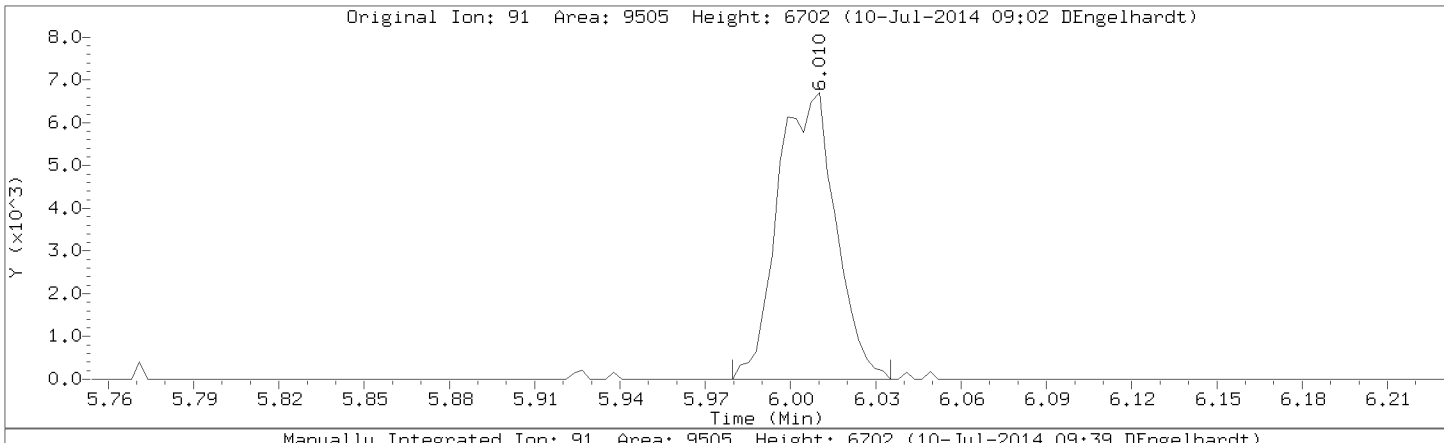
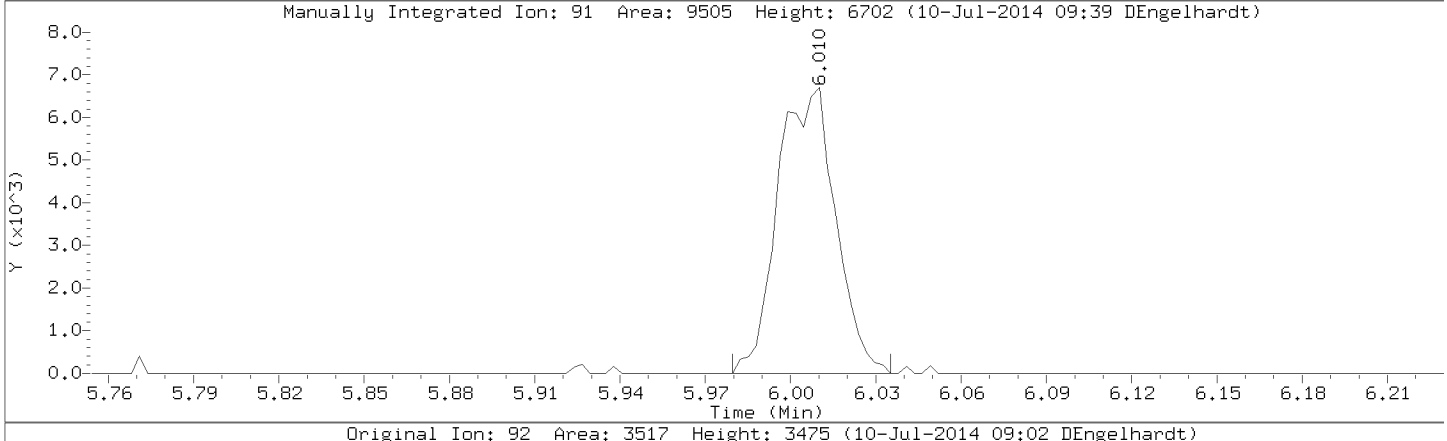
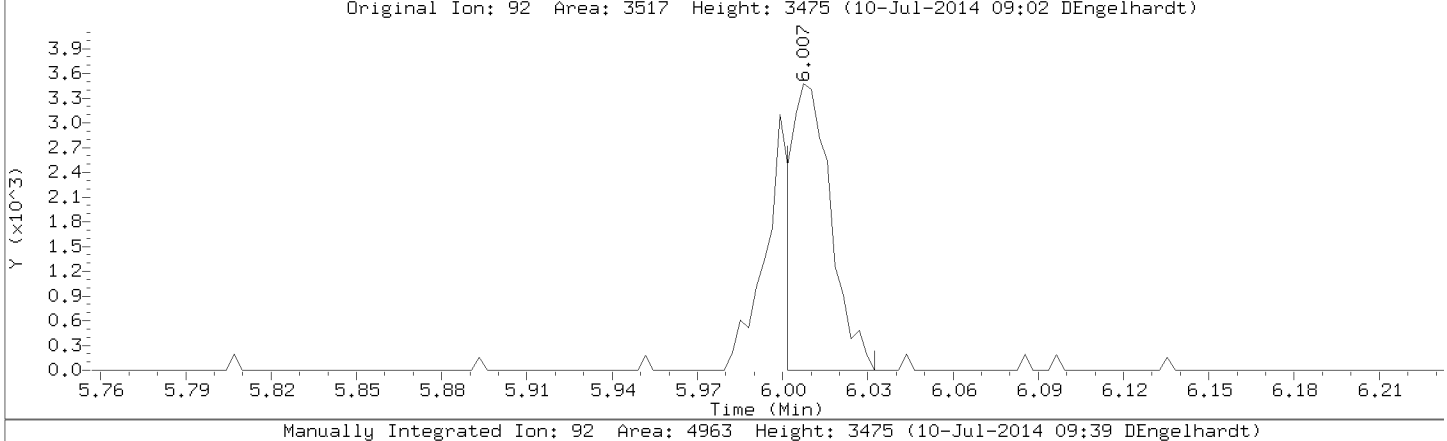
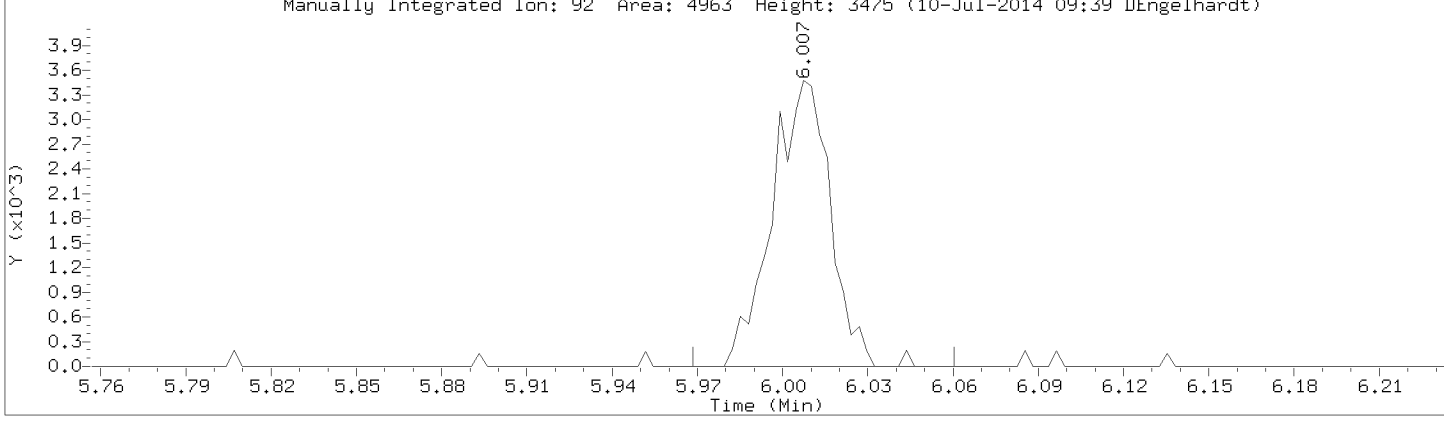
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Toluene
CAS Number: 108-88-3



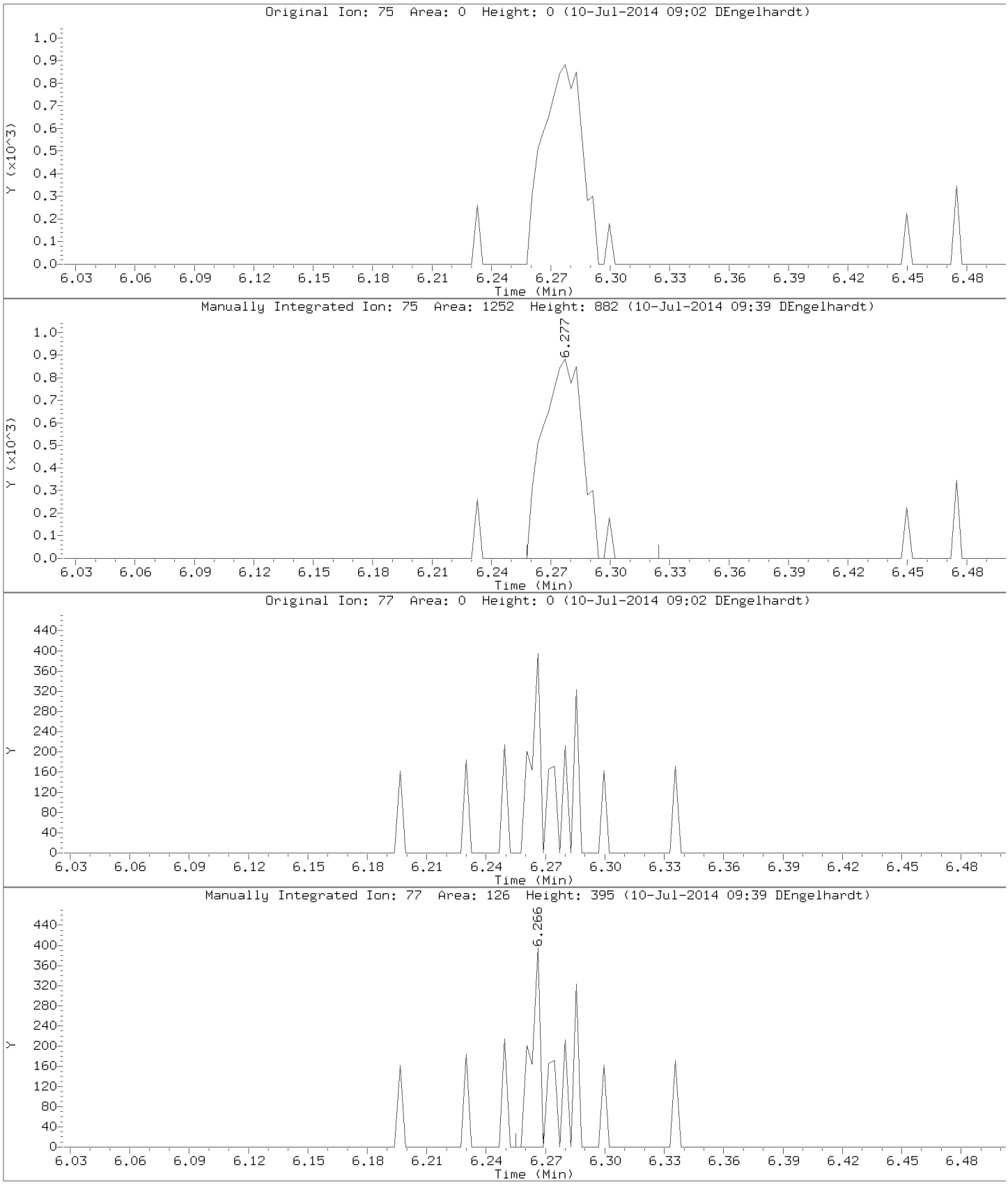






Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6



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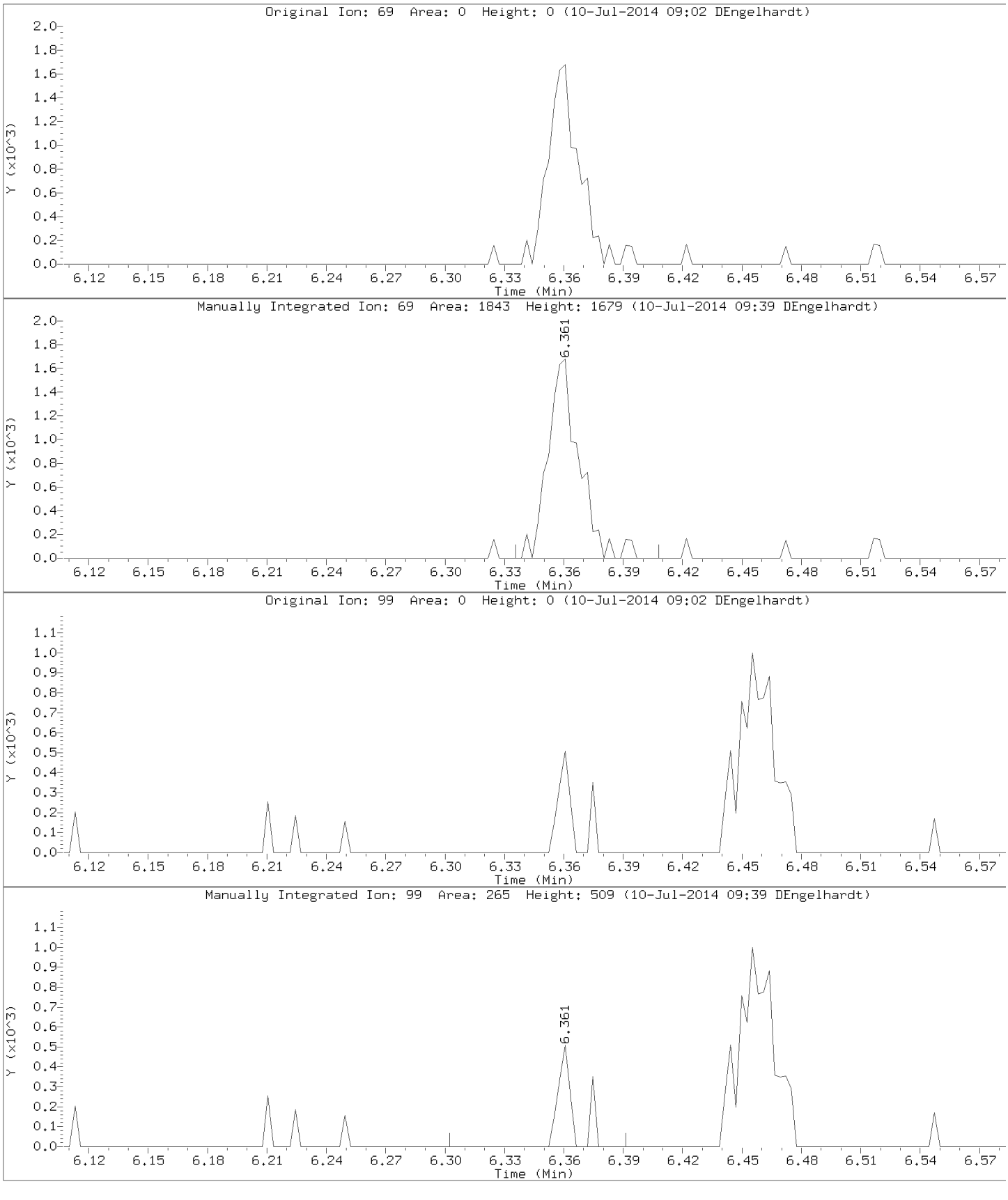
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Ethyl Methacrylate
CAS Number:



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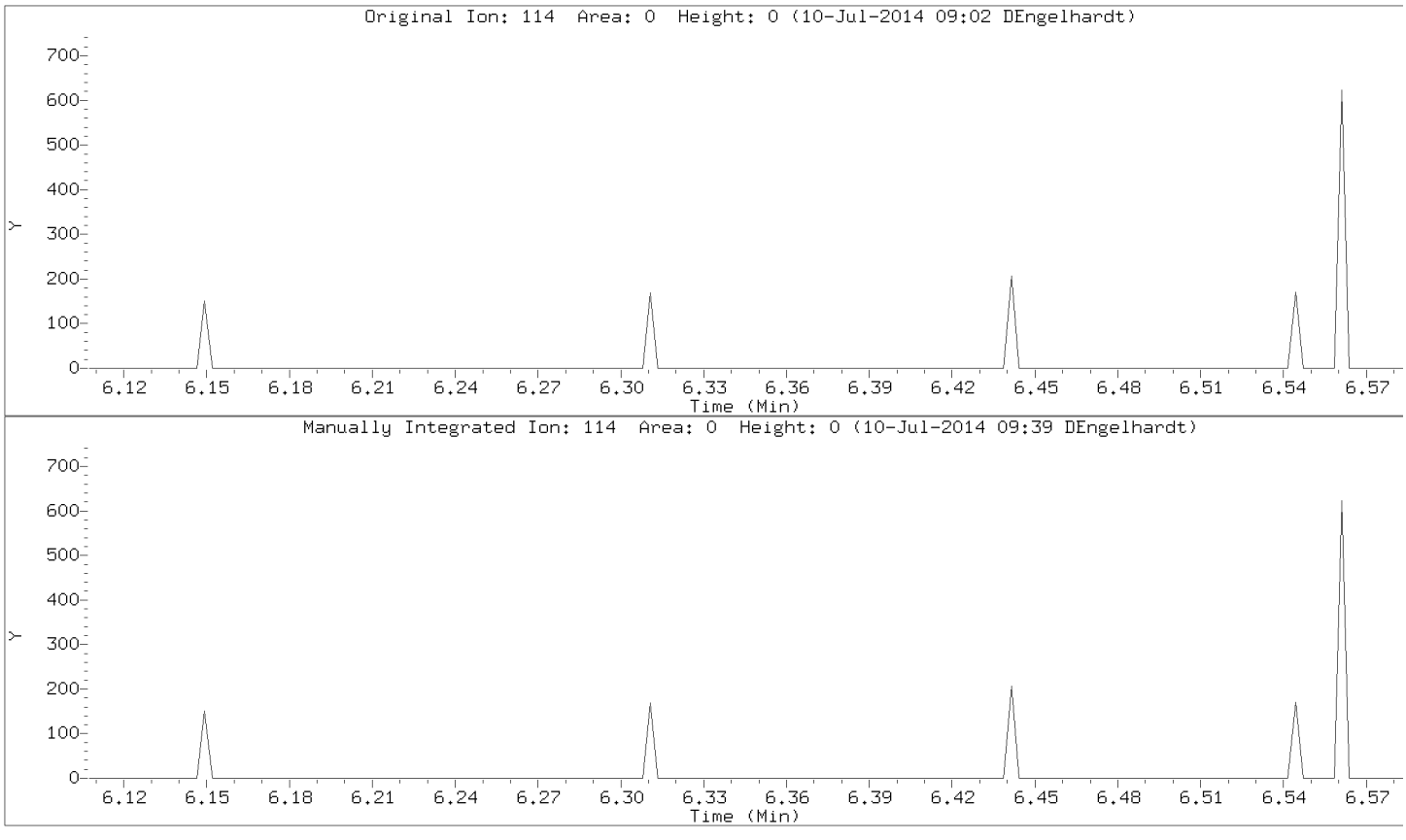
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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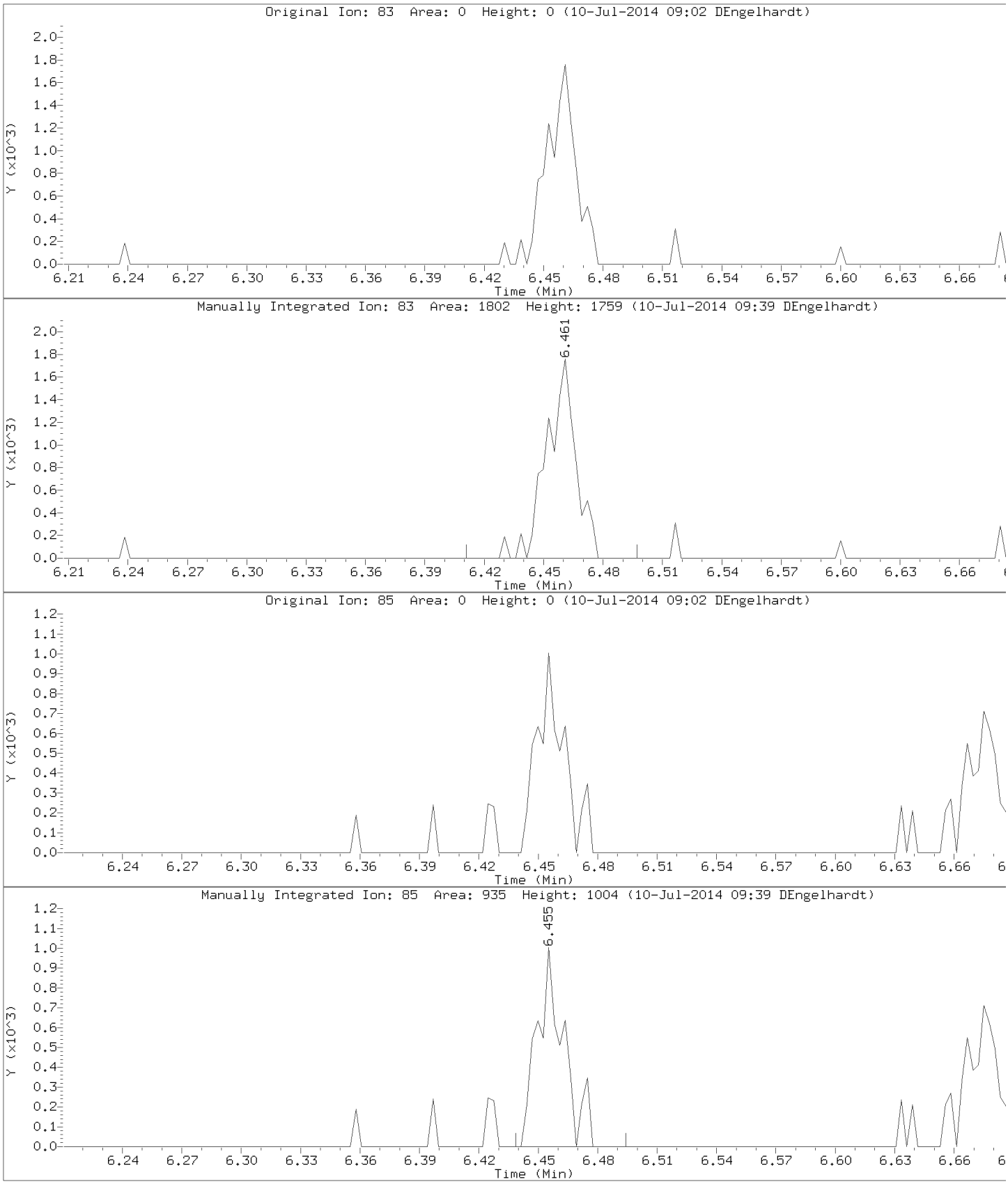
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1,2-Trichloroethane
CAS Number: 79-00-5



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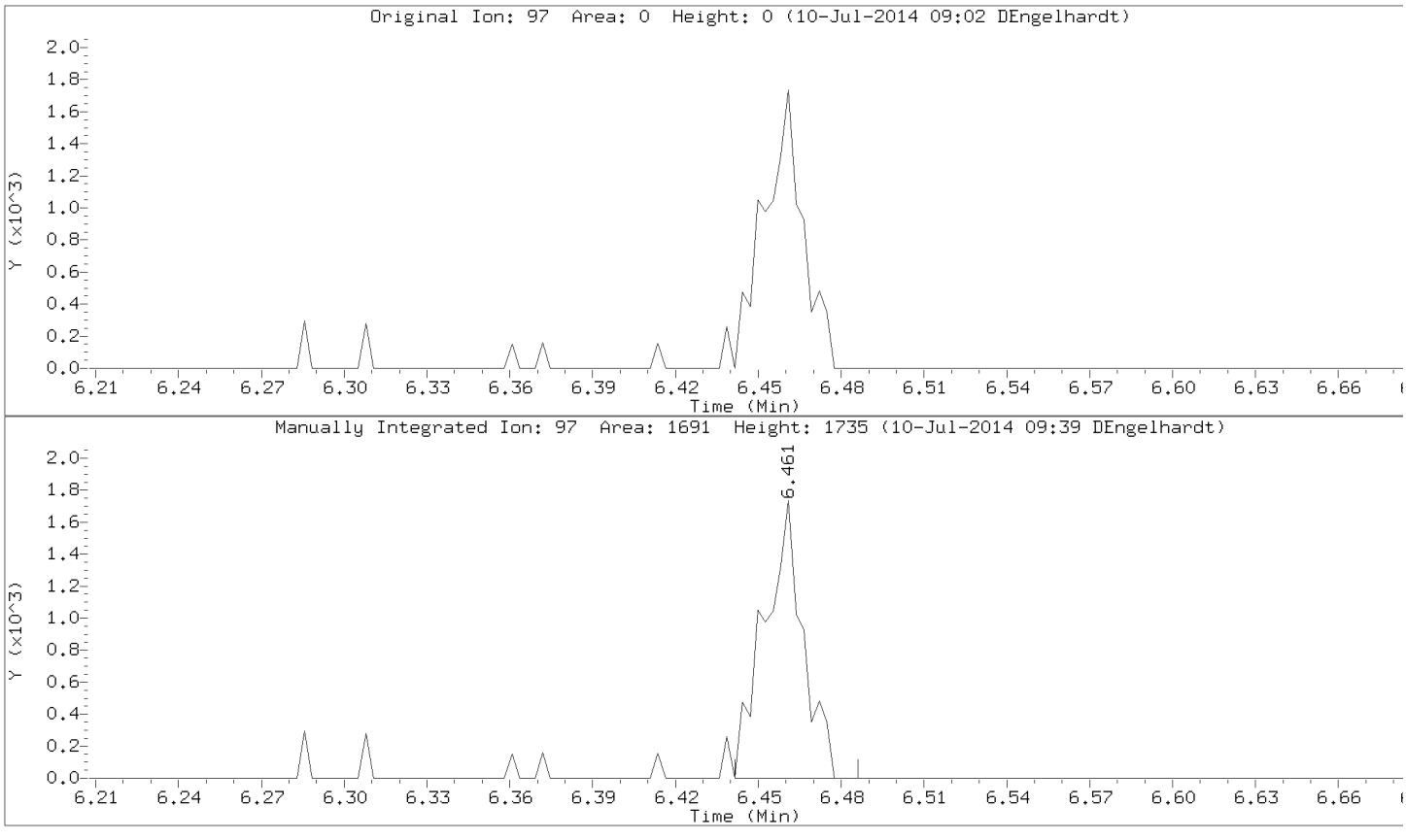
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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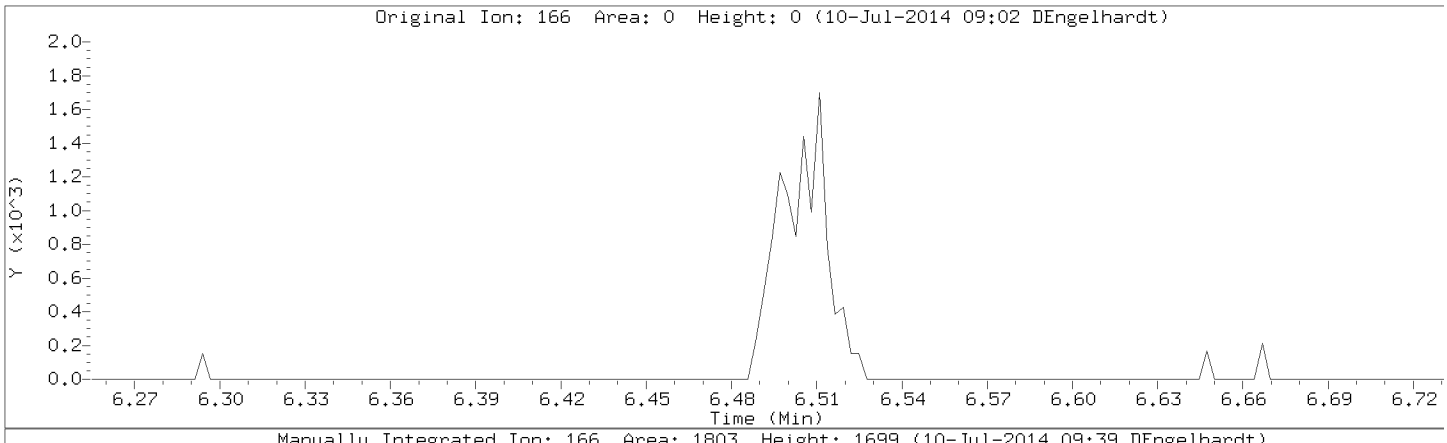
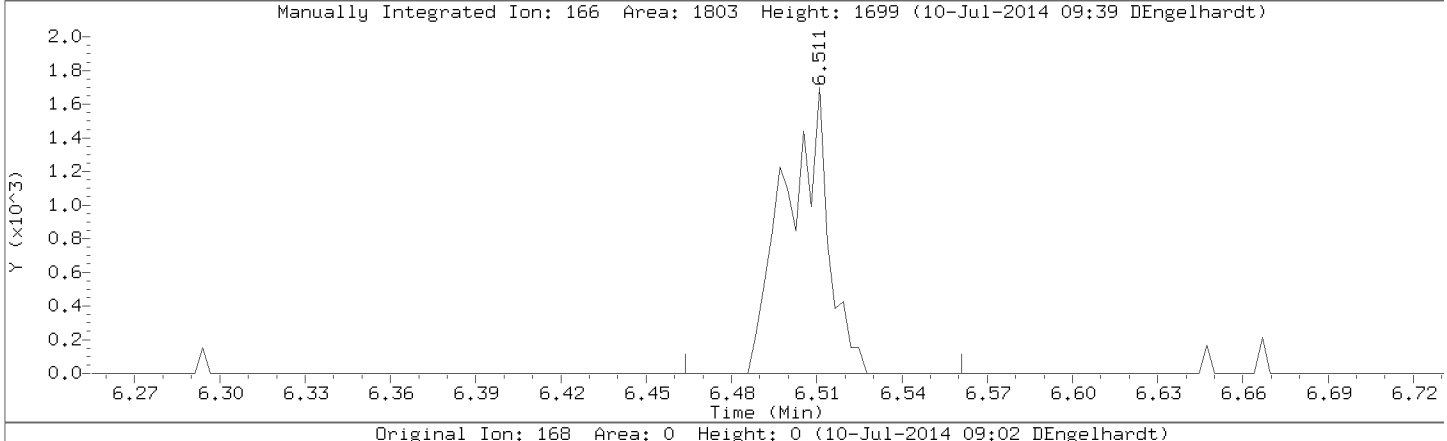
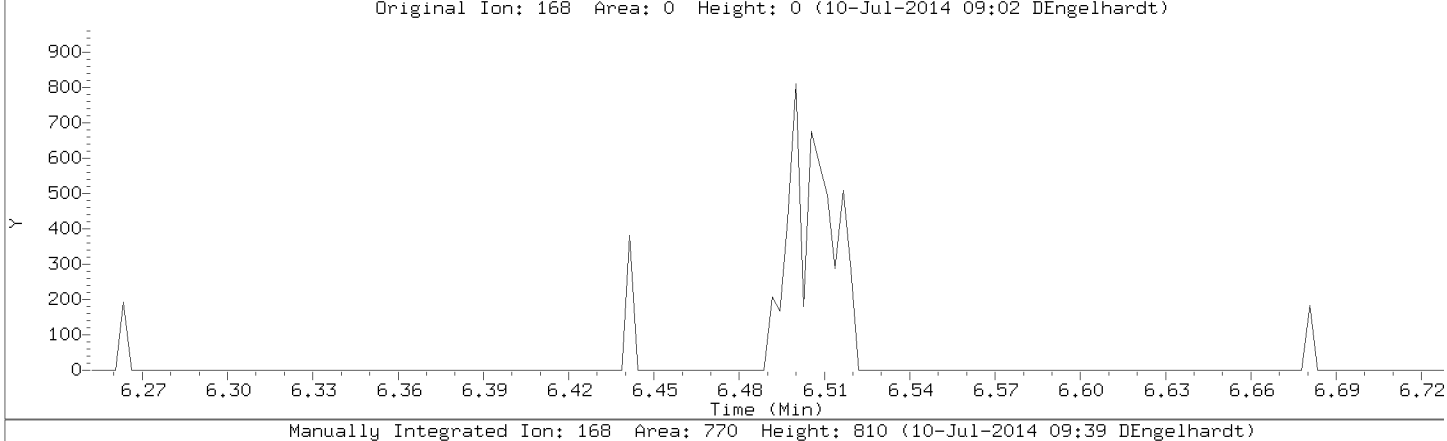
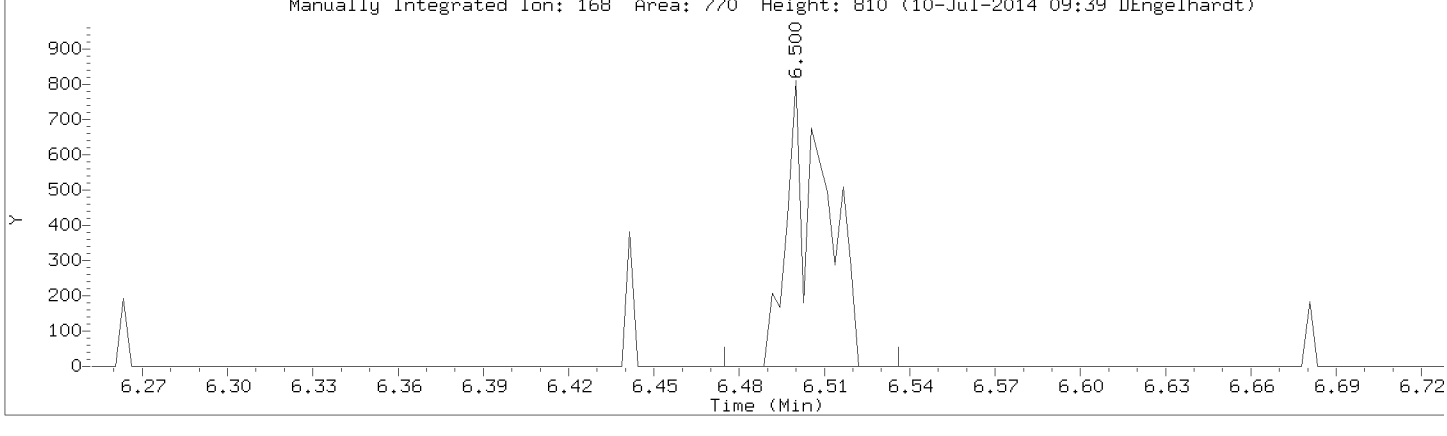
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Tetrachloroethene
CAS Number: 127-18-4









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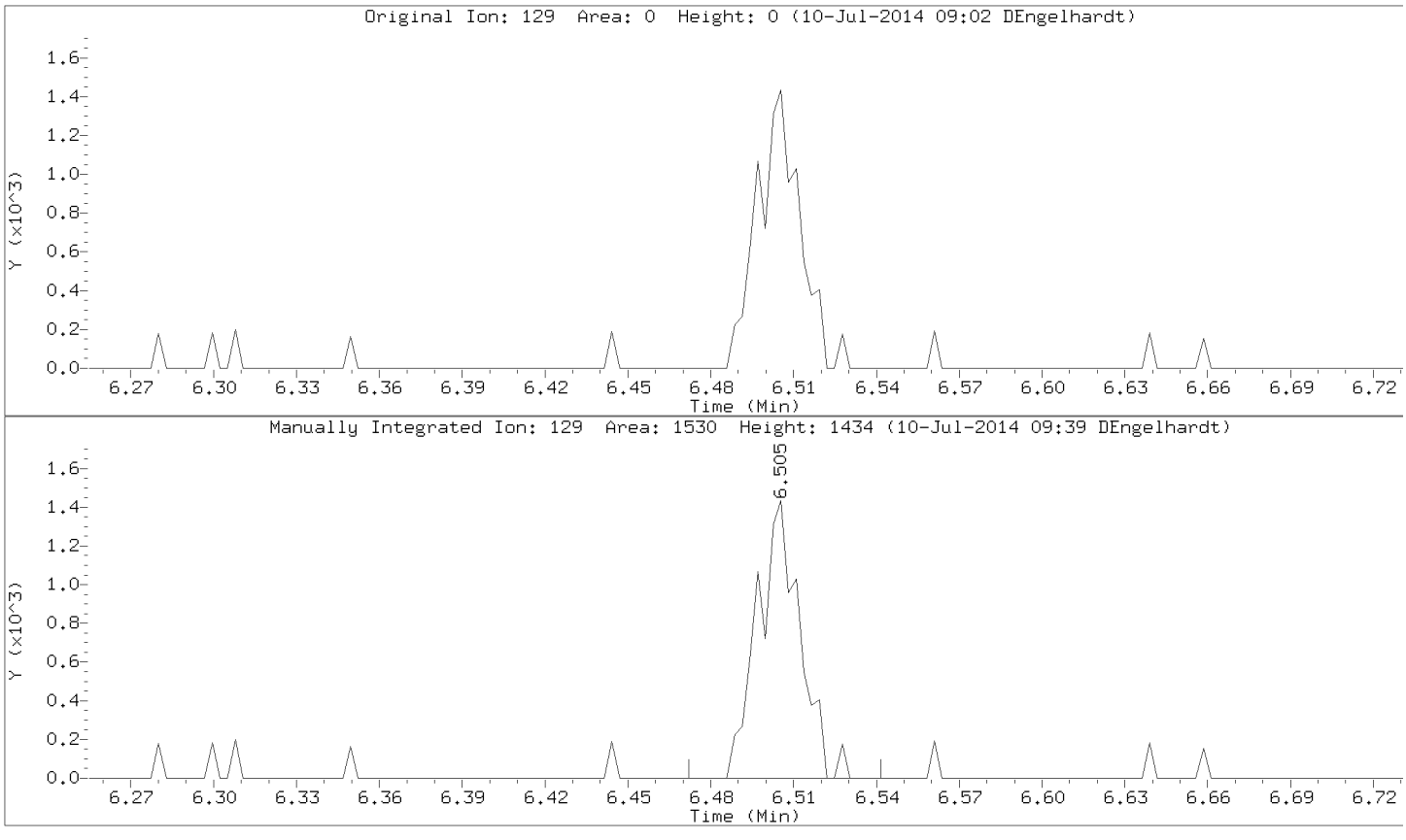
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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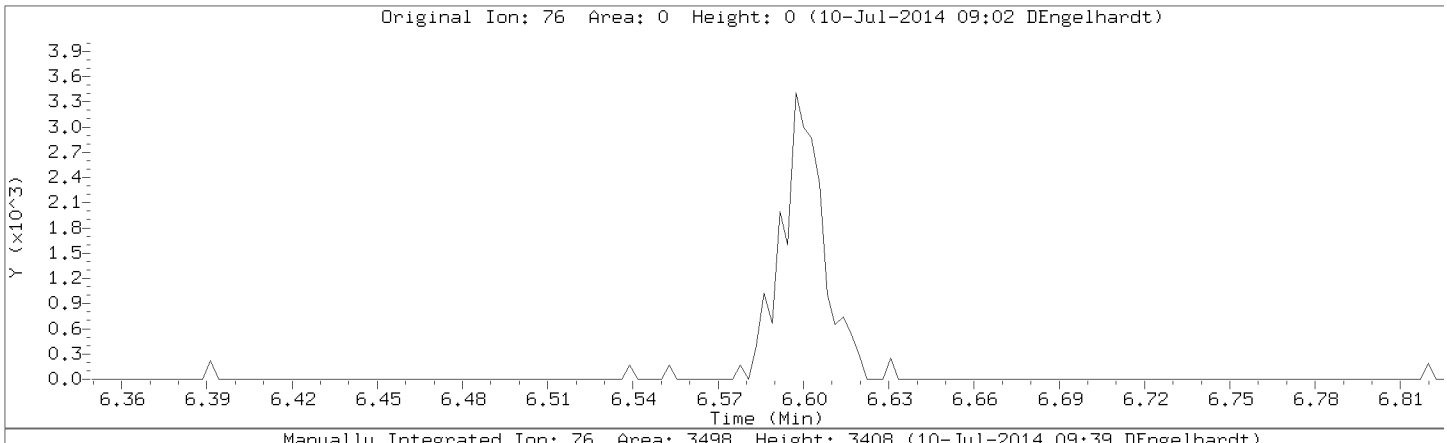
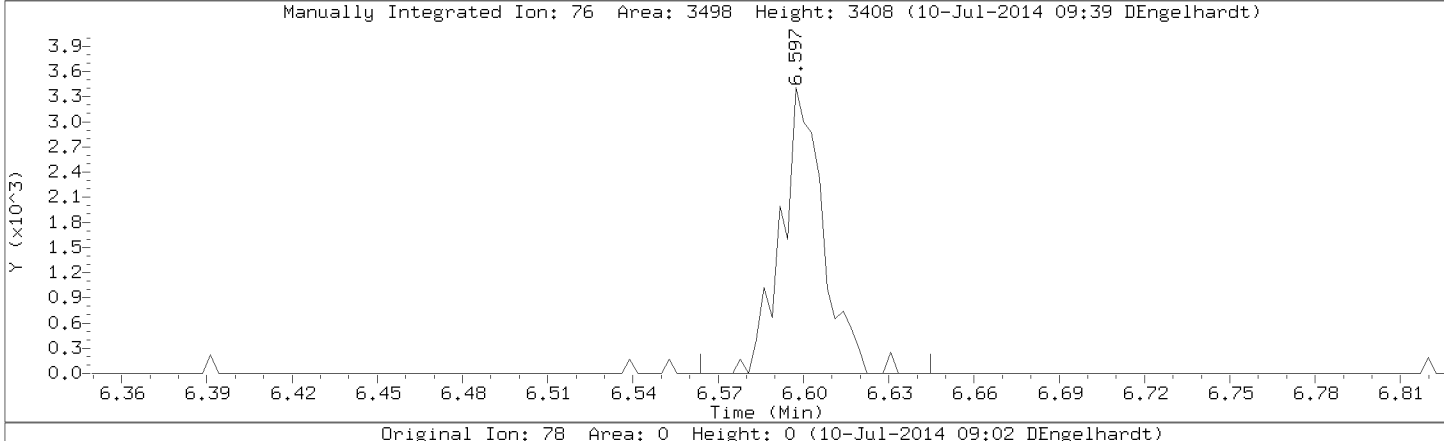
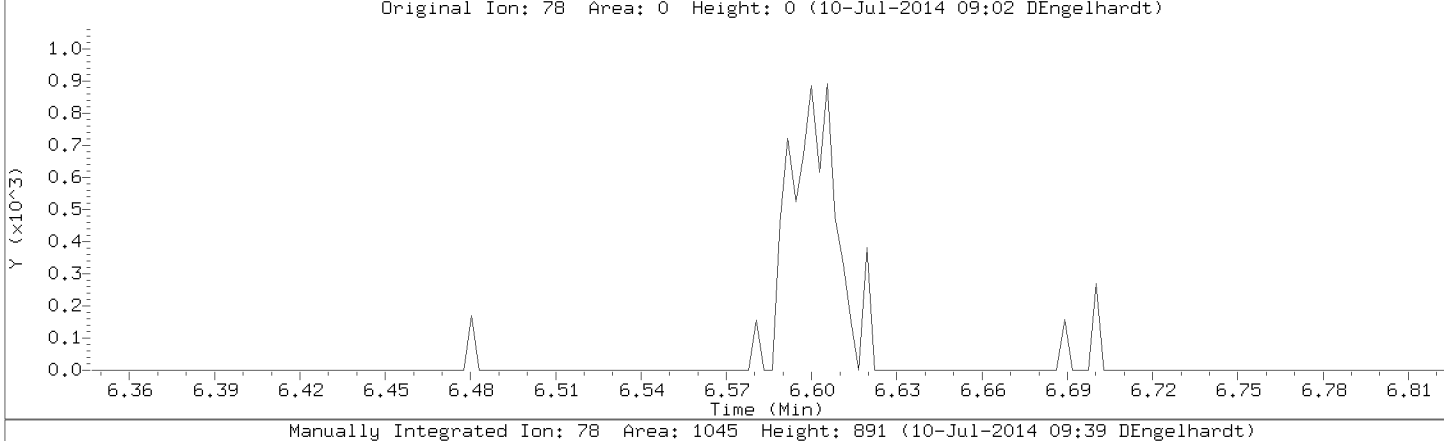
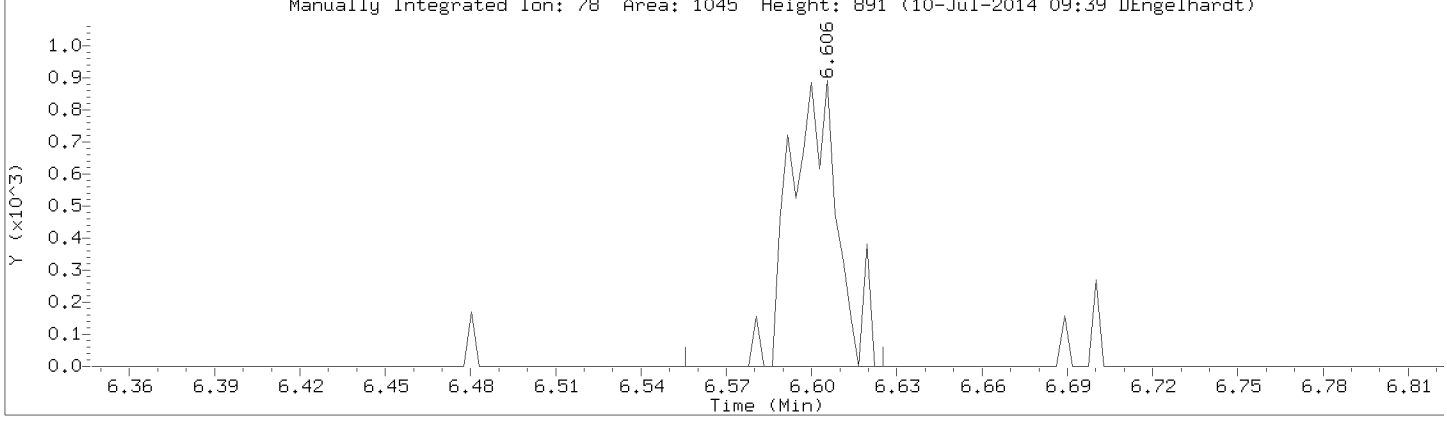
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,3-Dichloropropane
CAS Number: 142-28-9









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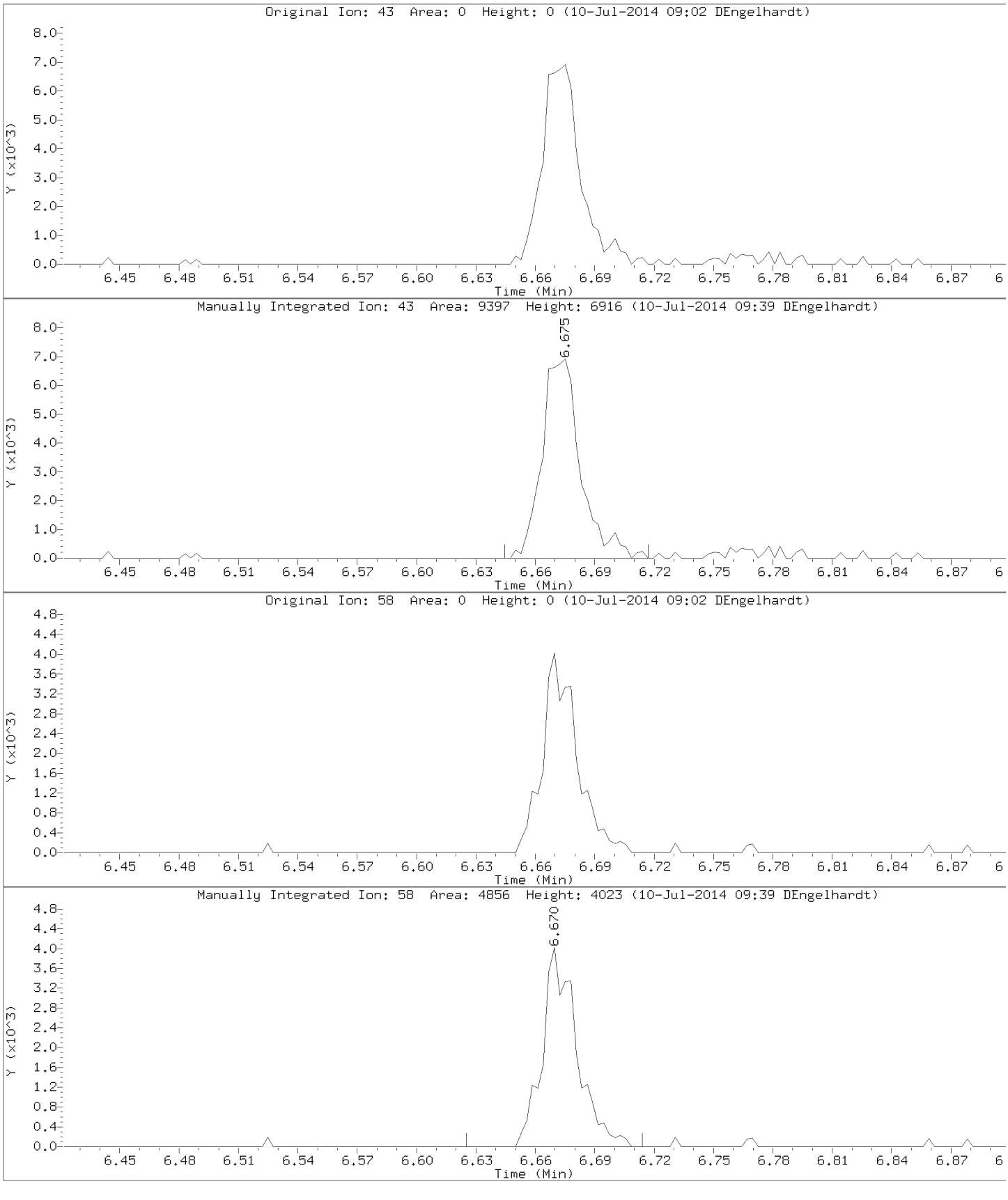
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 2-Hexanone
CAS Number: 591-78-6



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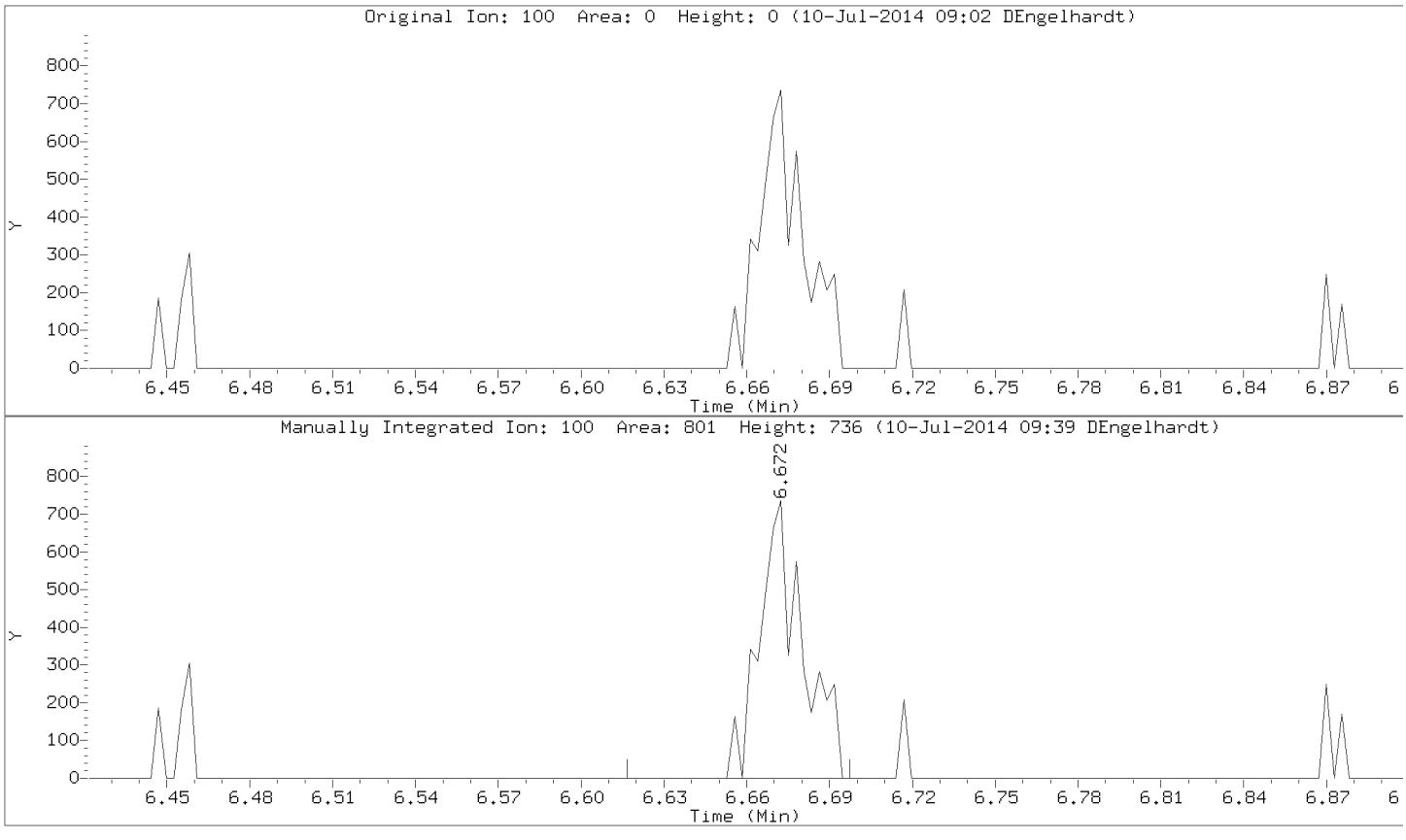
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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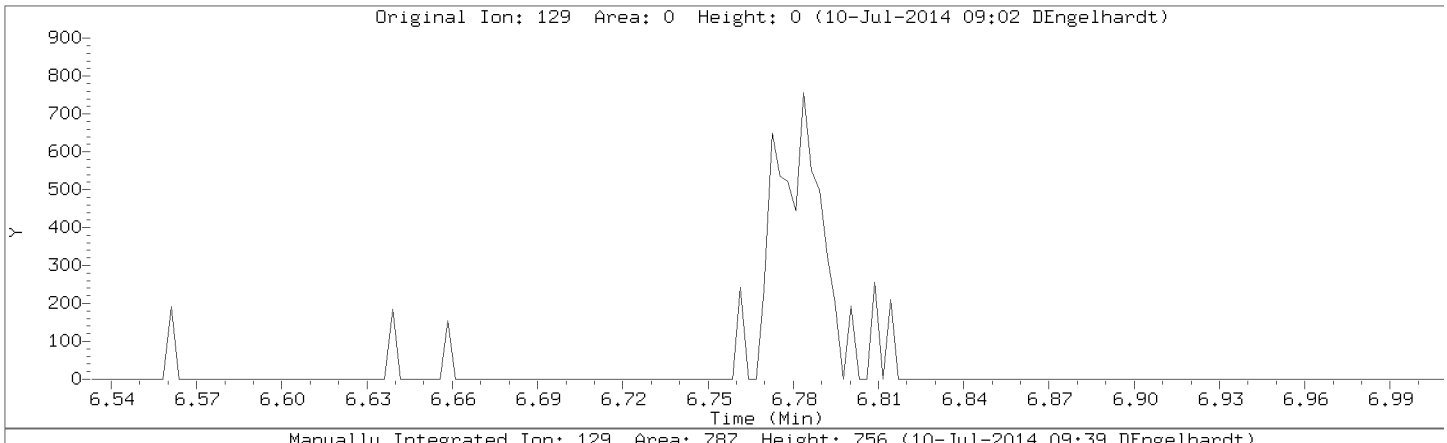
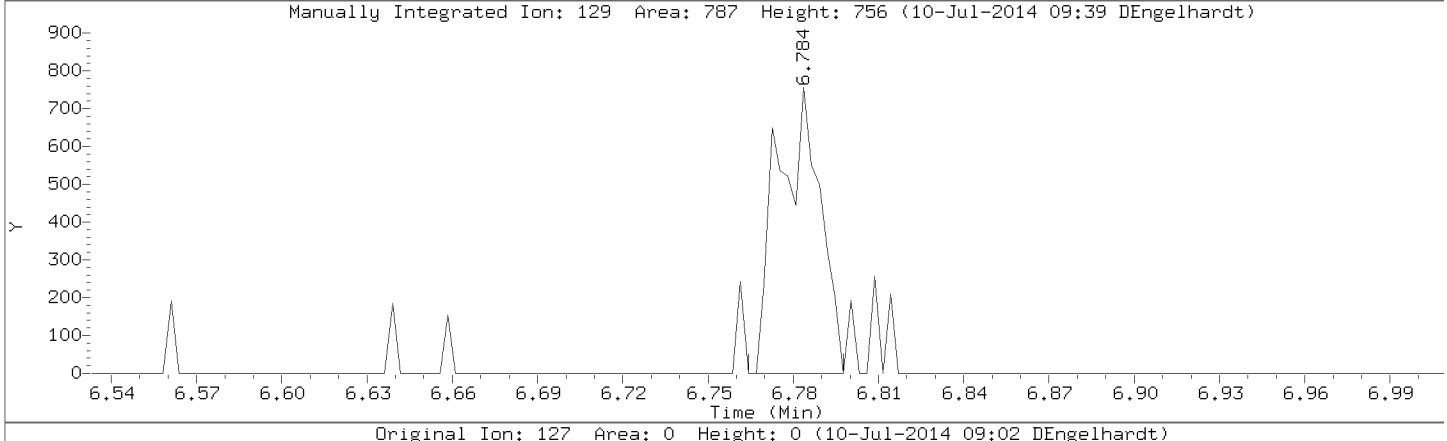
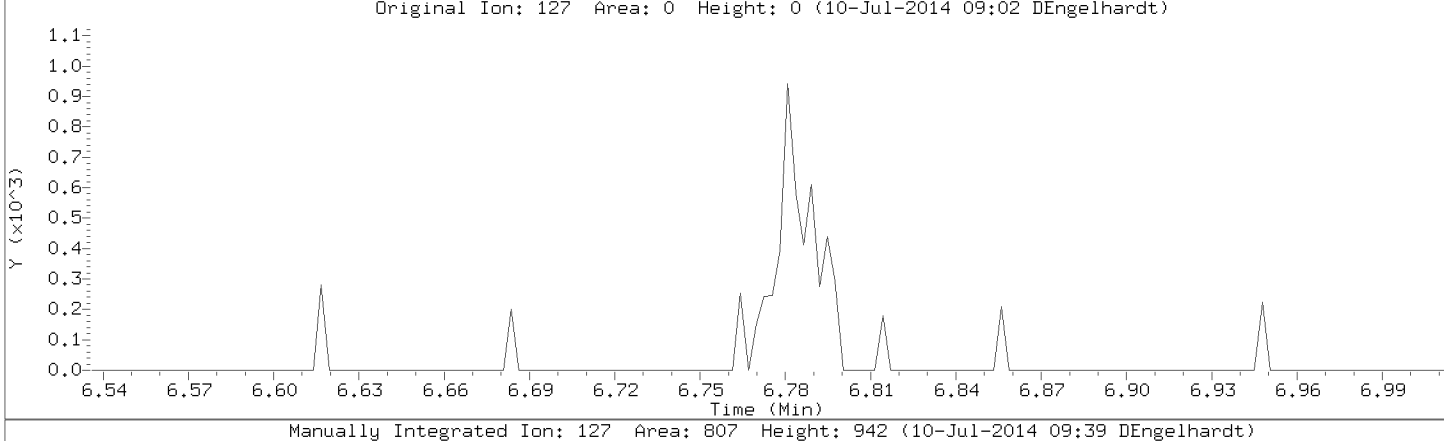
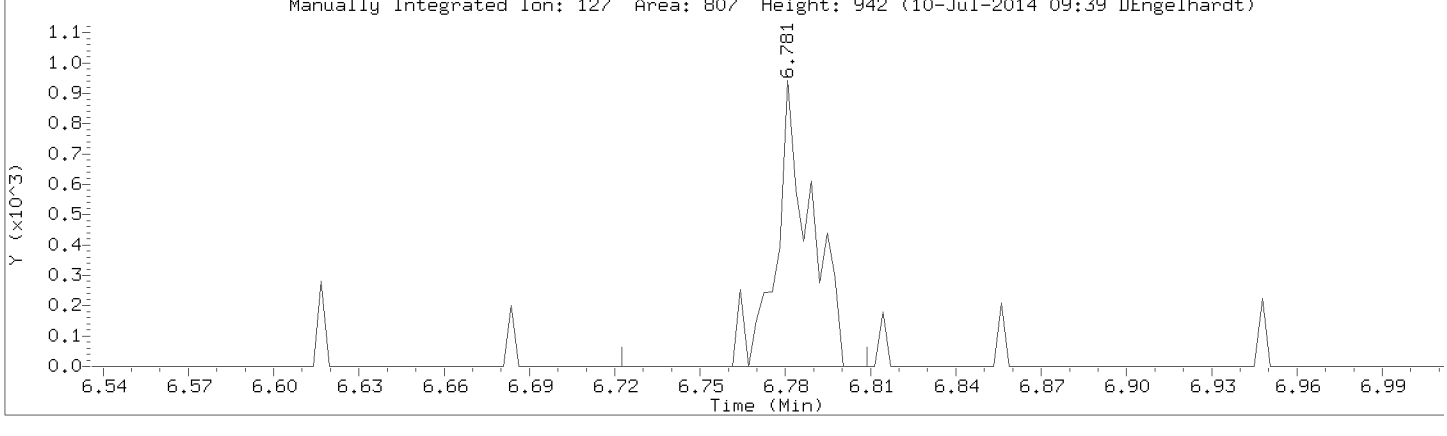
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Dibromochloromethane
CAS Number: 124-48-1



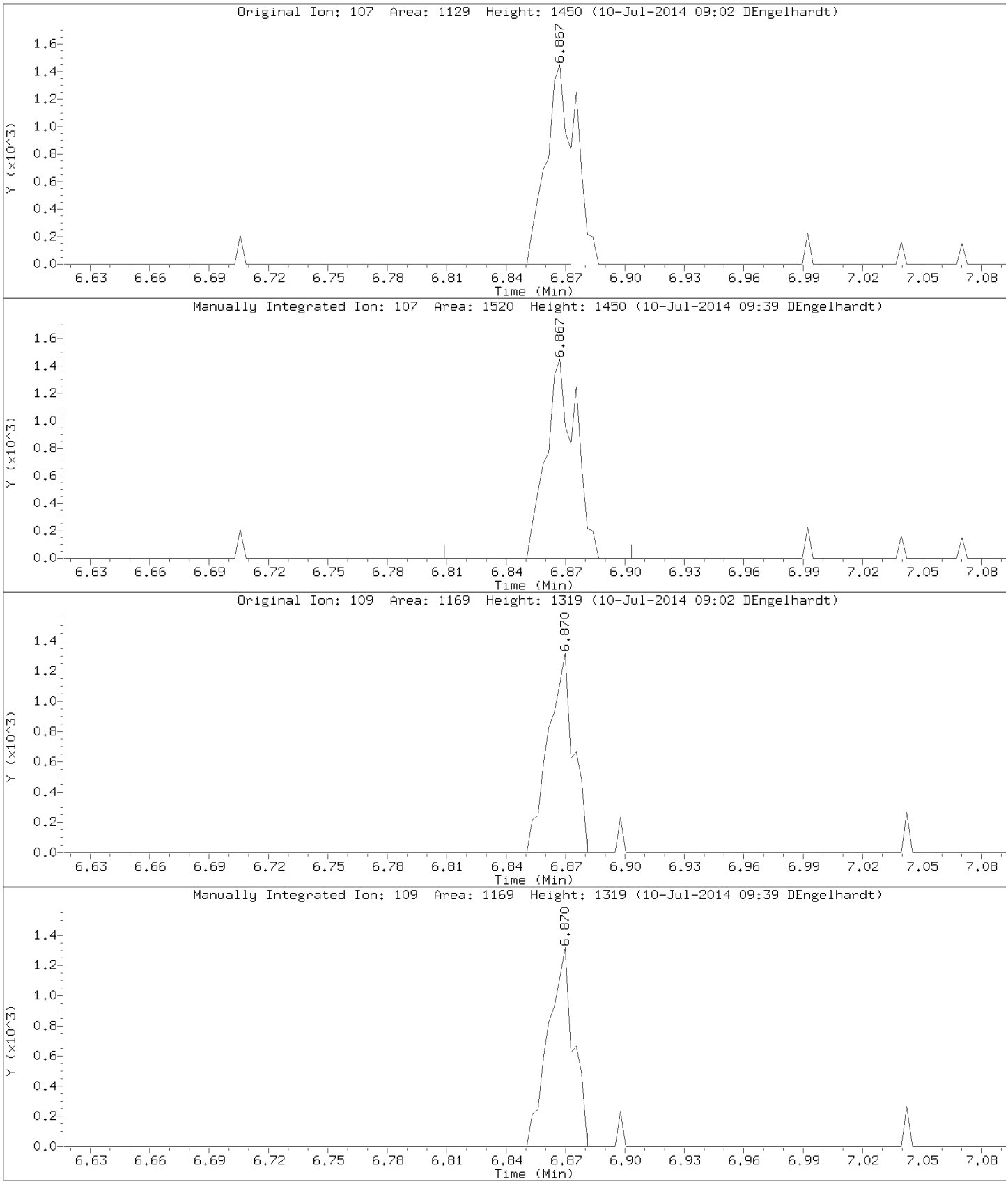






Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



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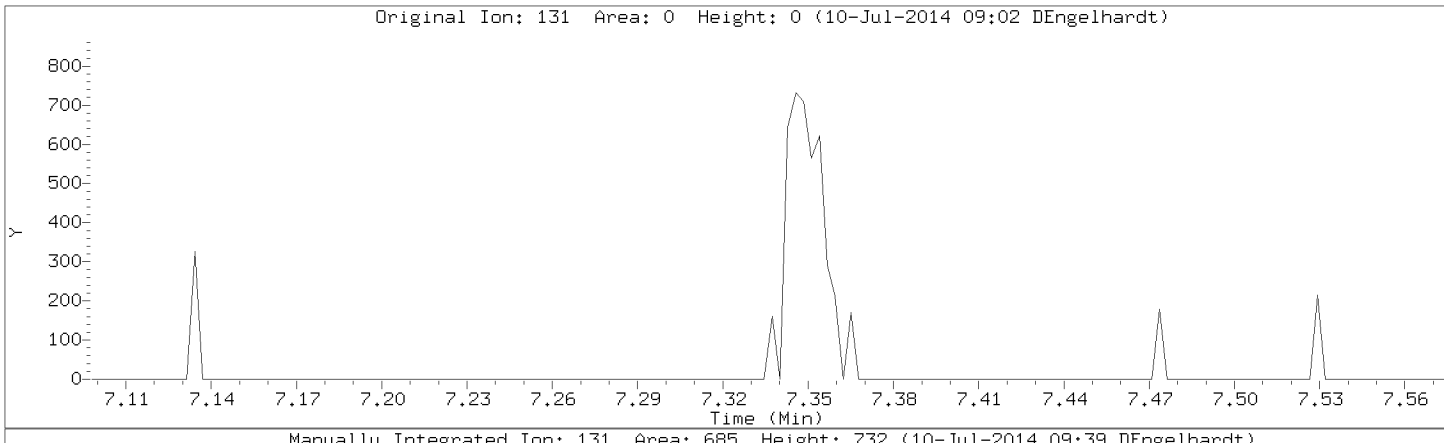
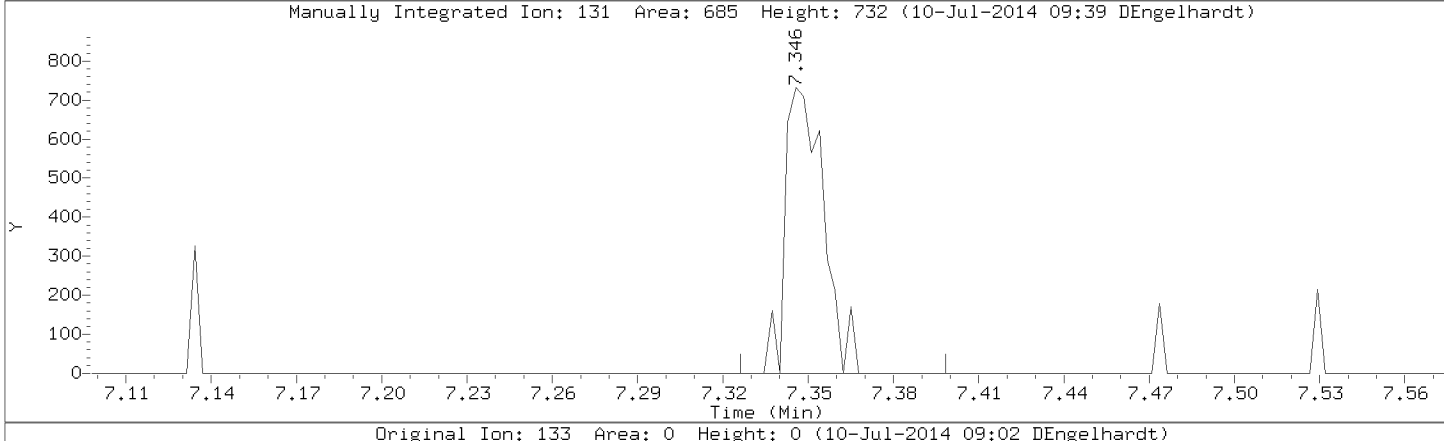
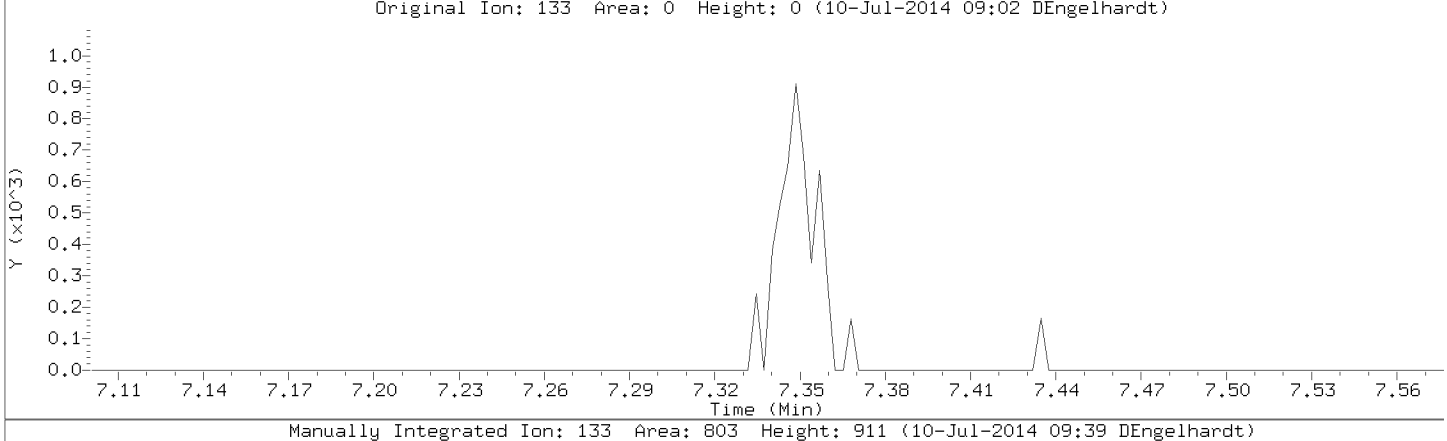
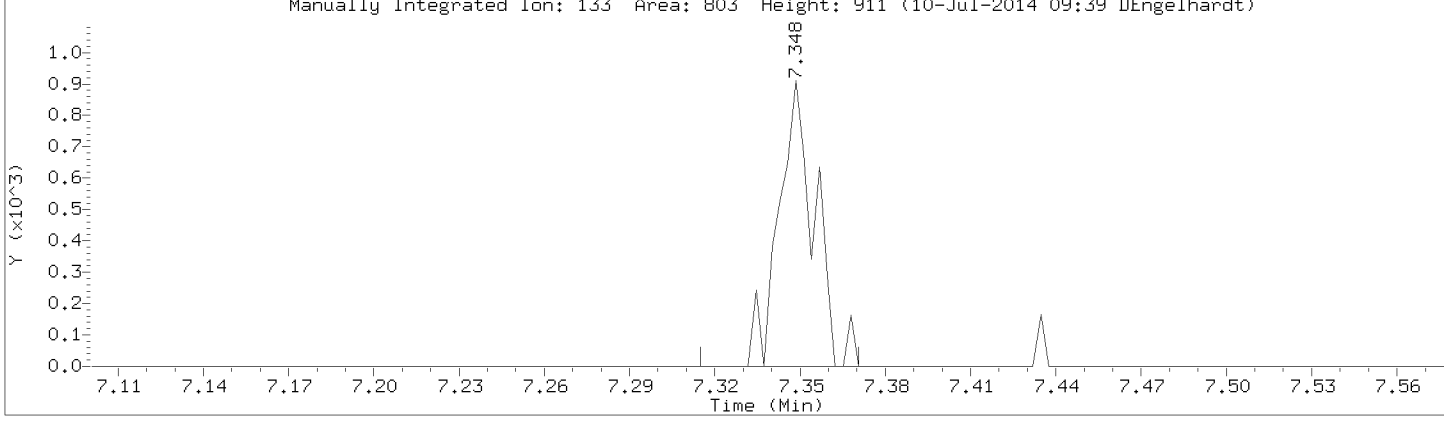
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1,1,2-Tetrachloroethane
CAS Number: 630-20-6









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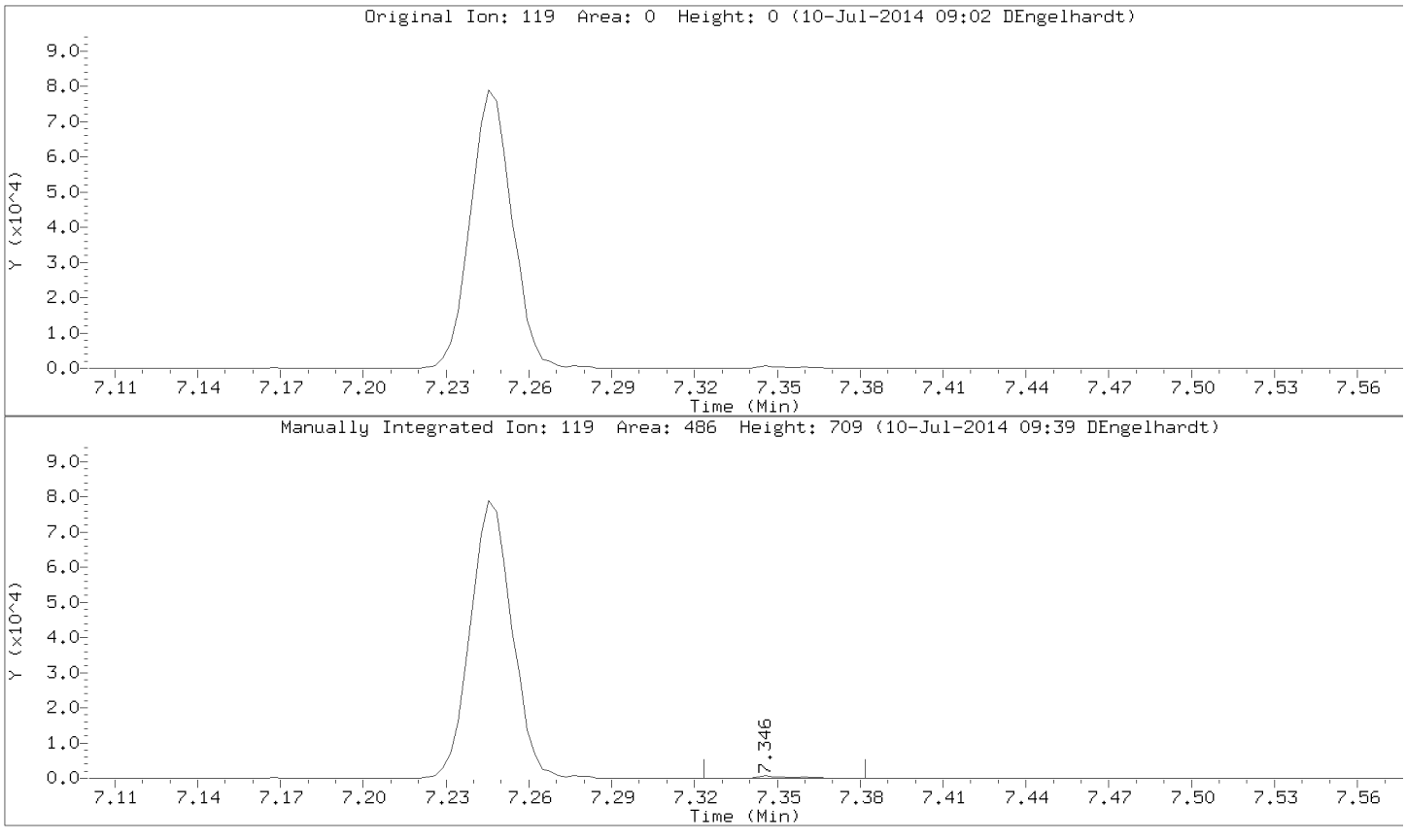
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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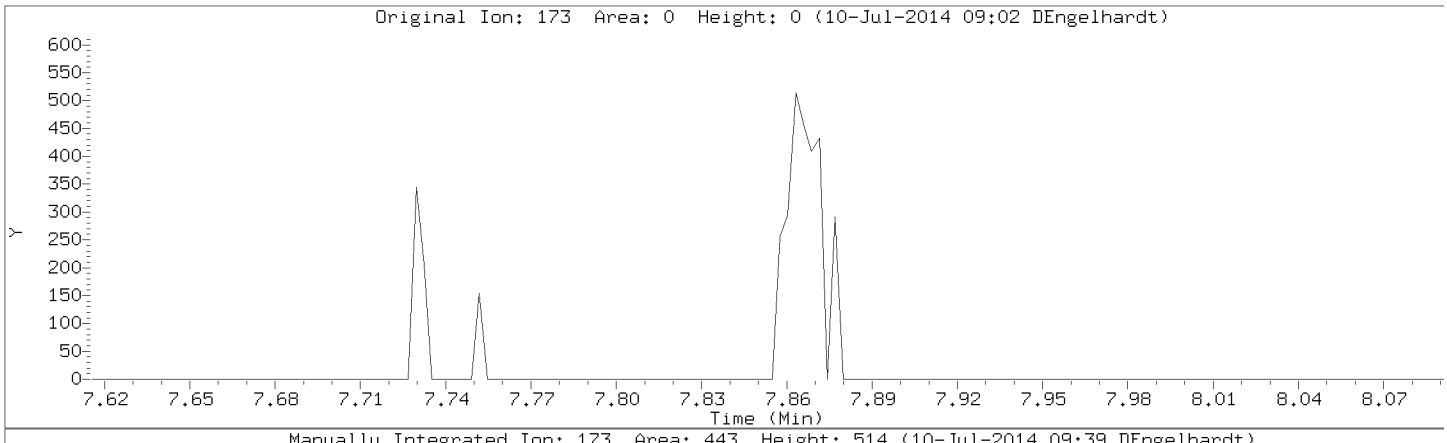
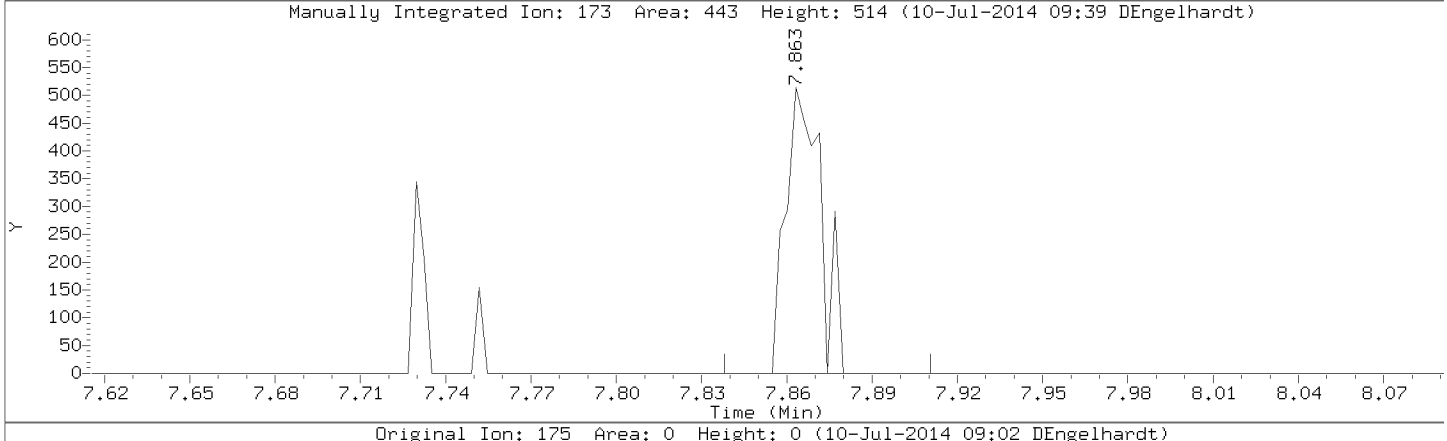
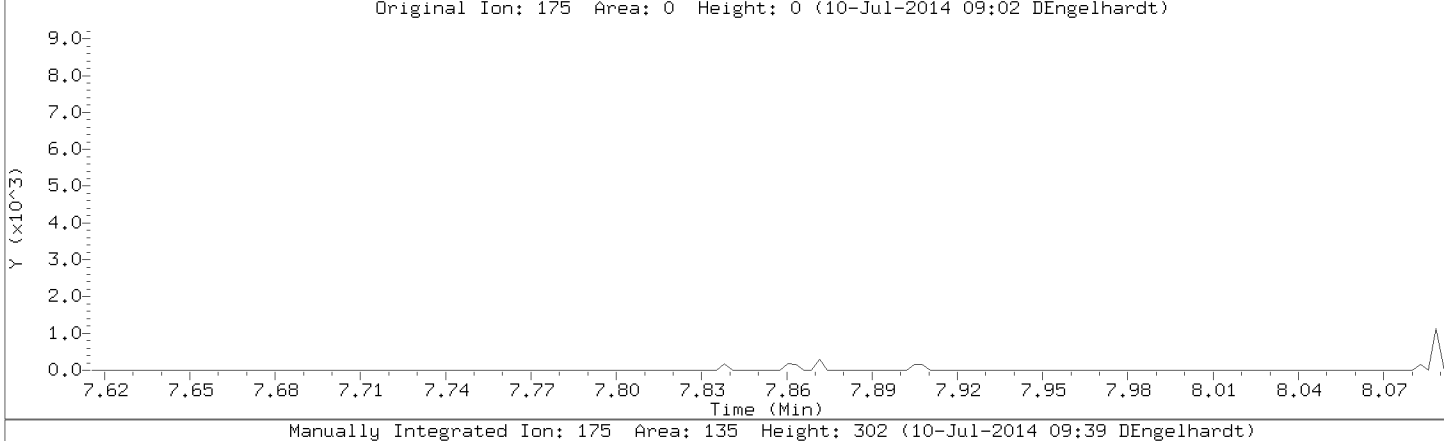
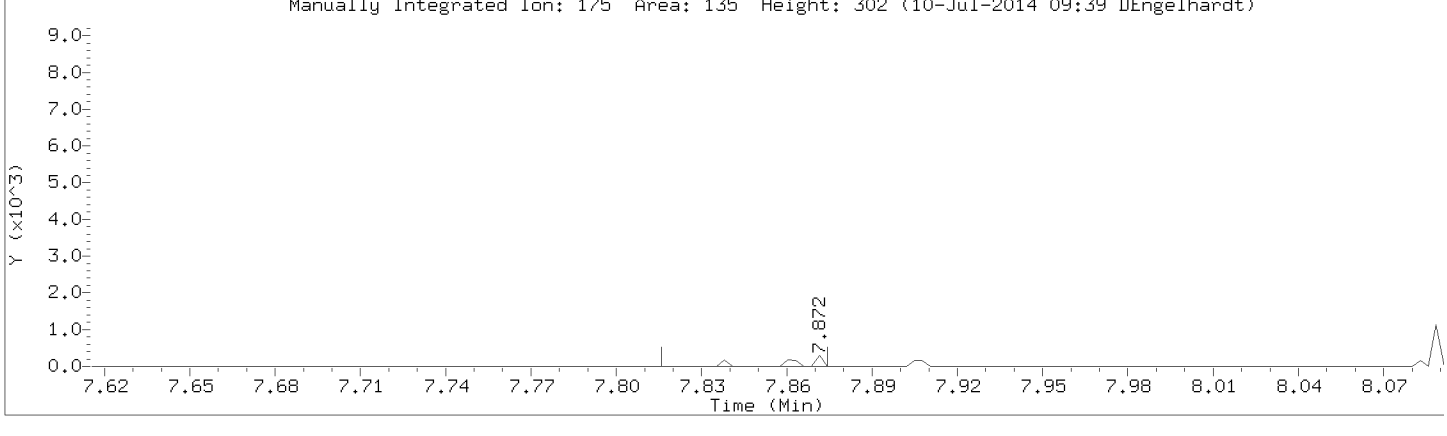
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Bromoform
CAS Number: 75-25-2









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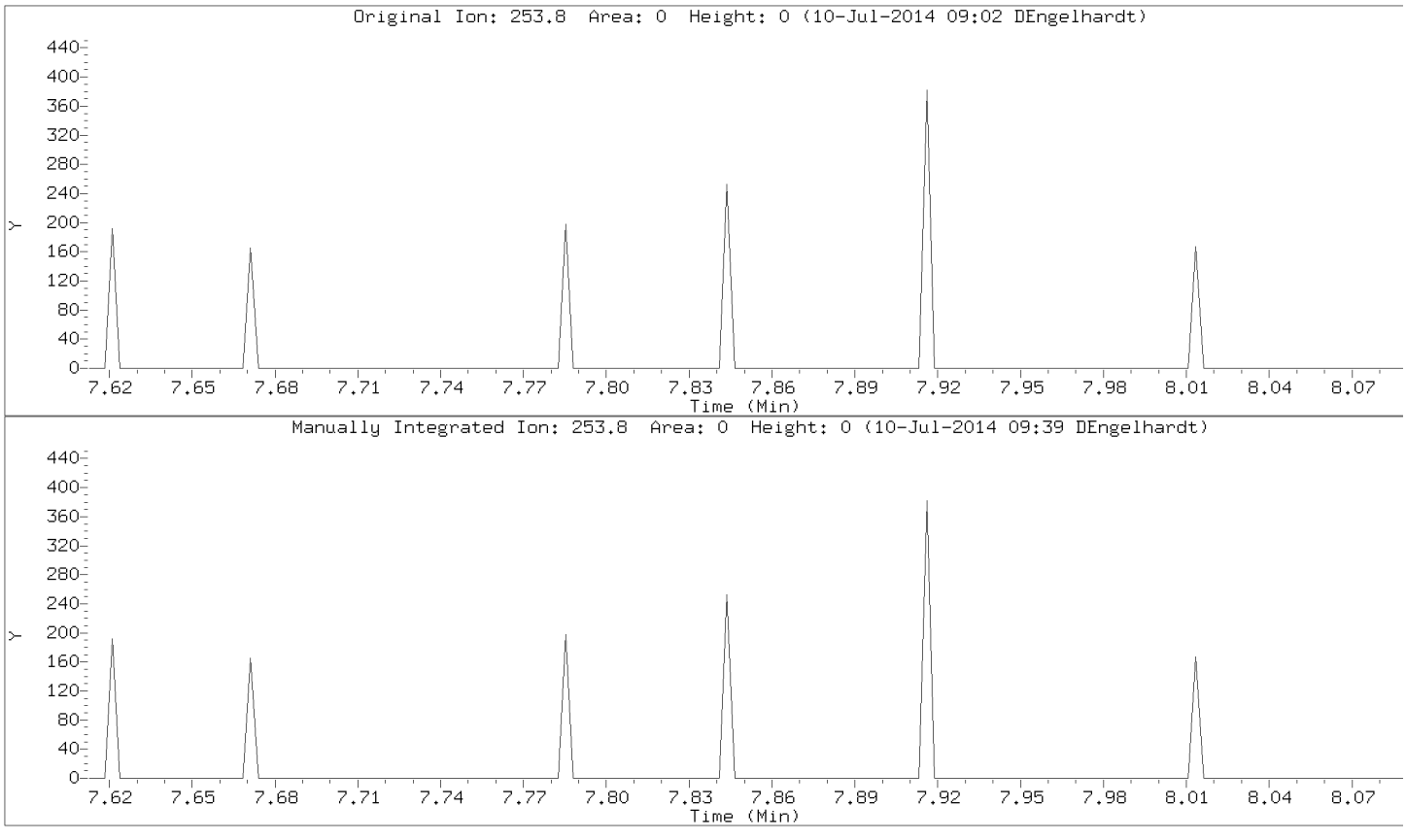
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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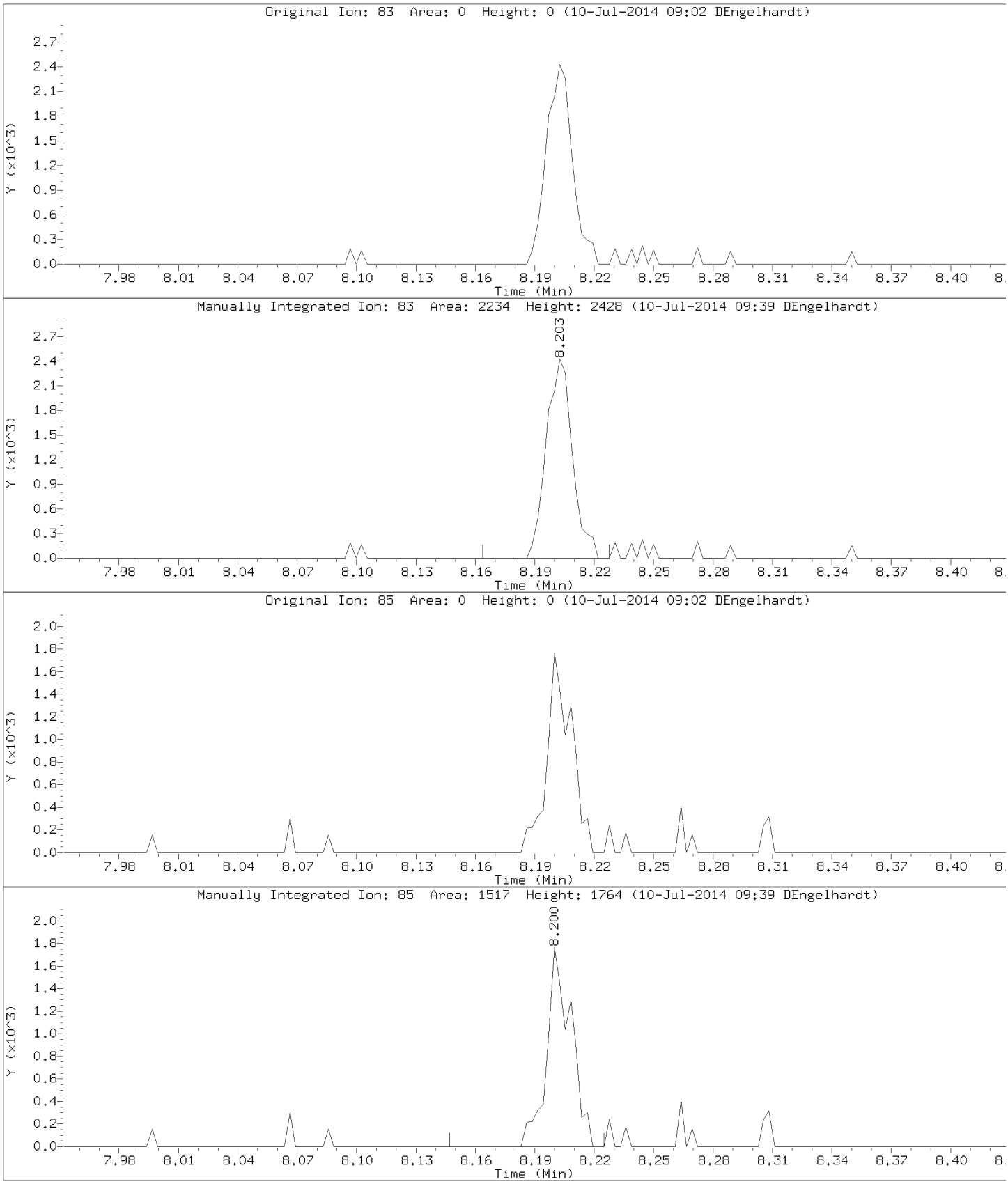
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5



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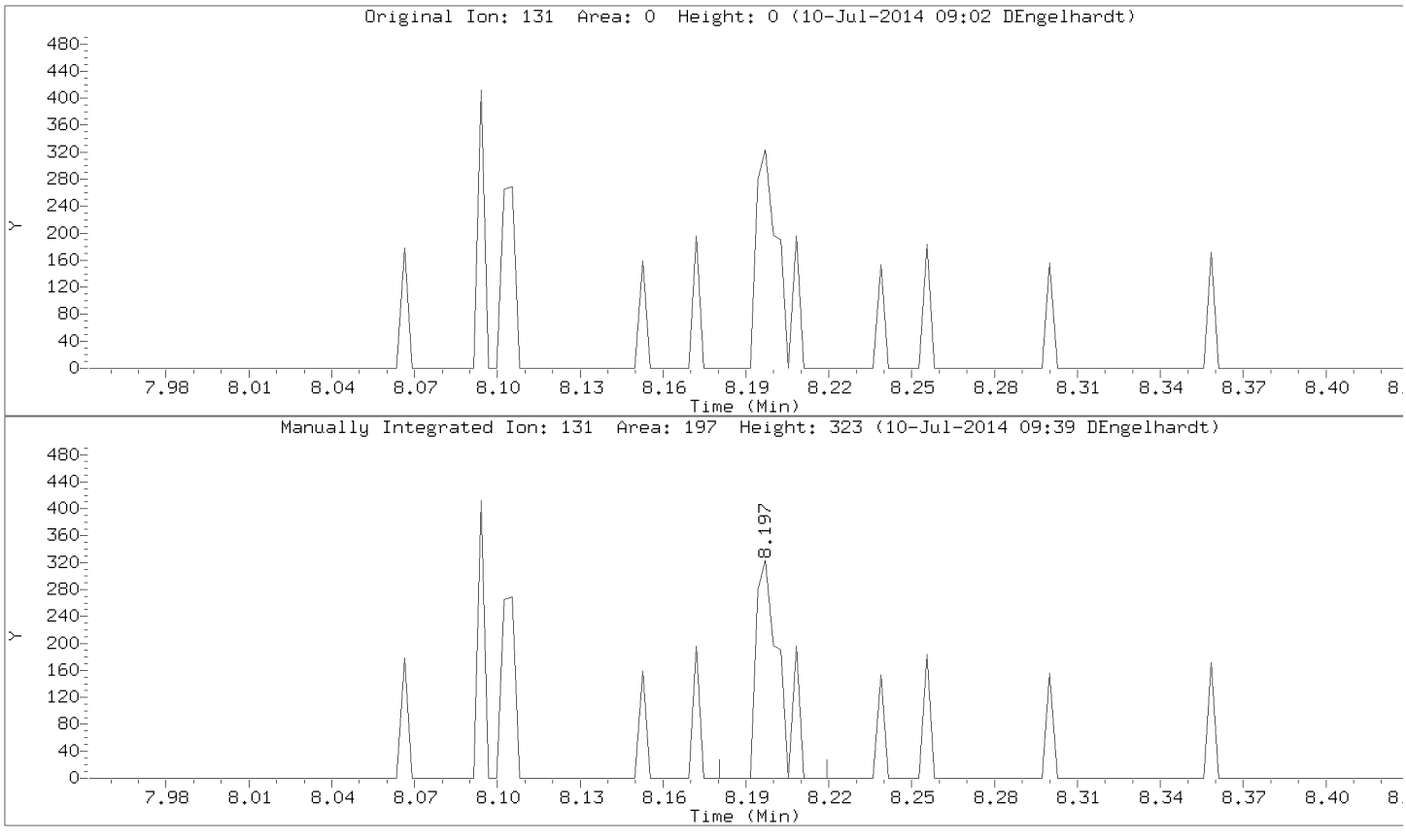
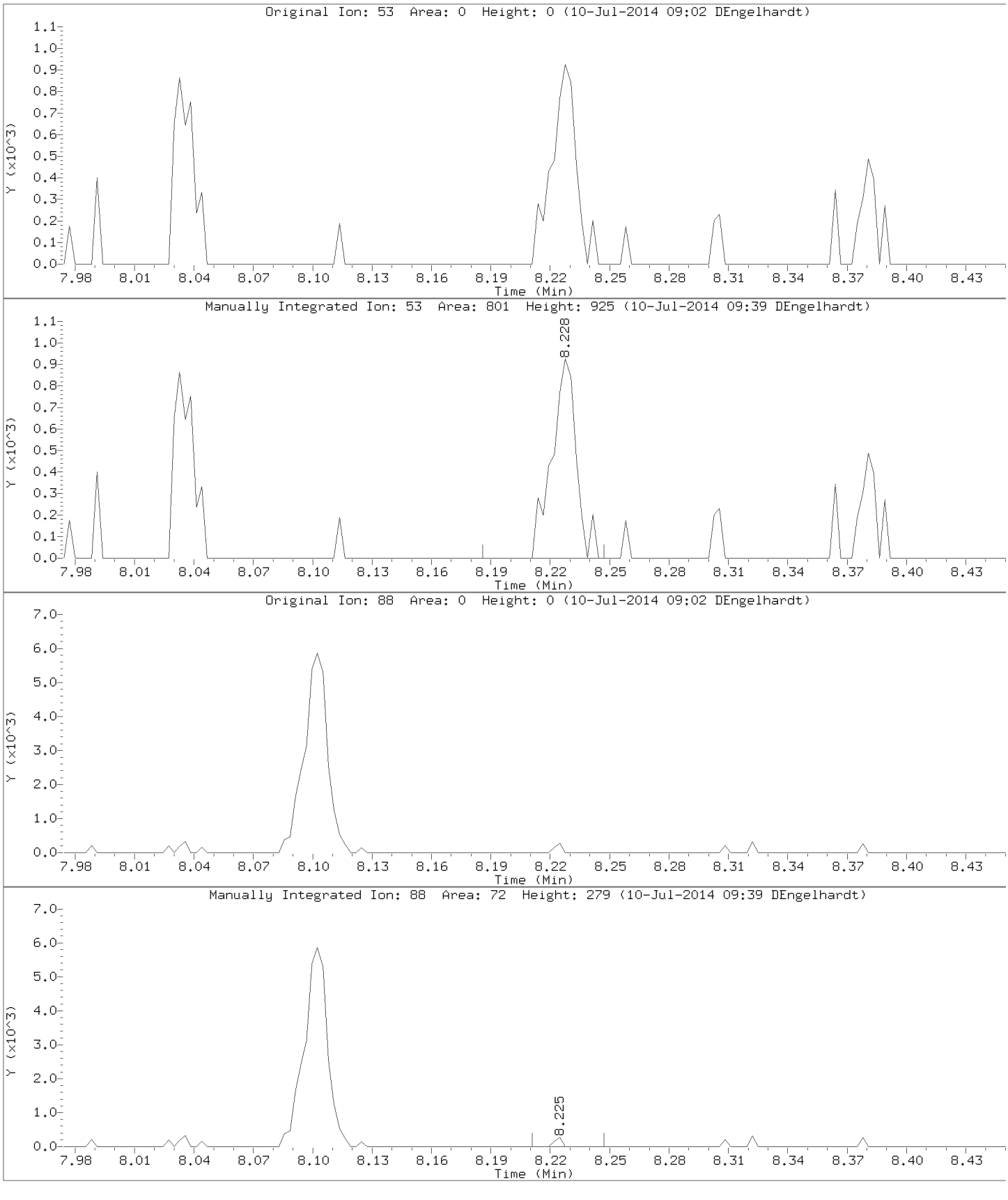
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

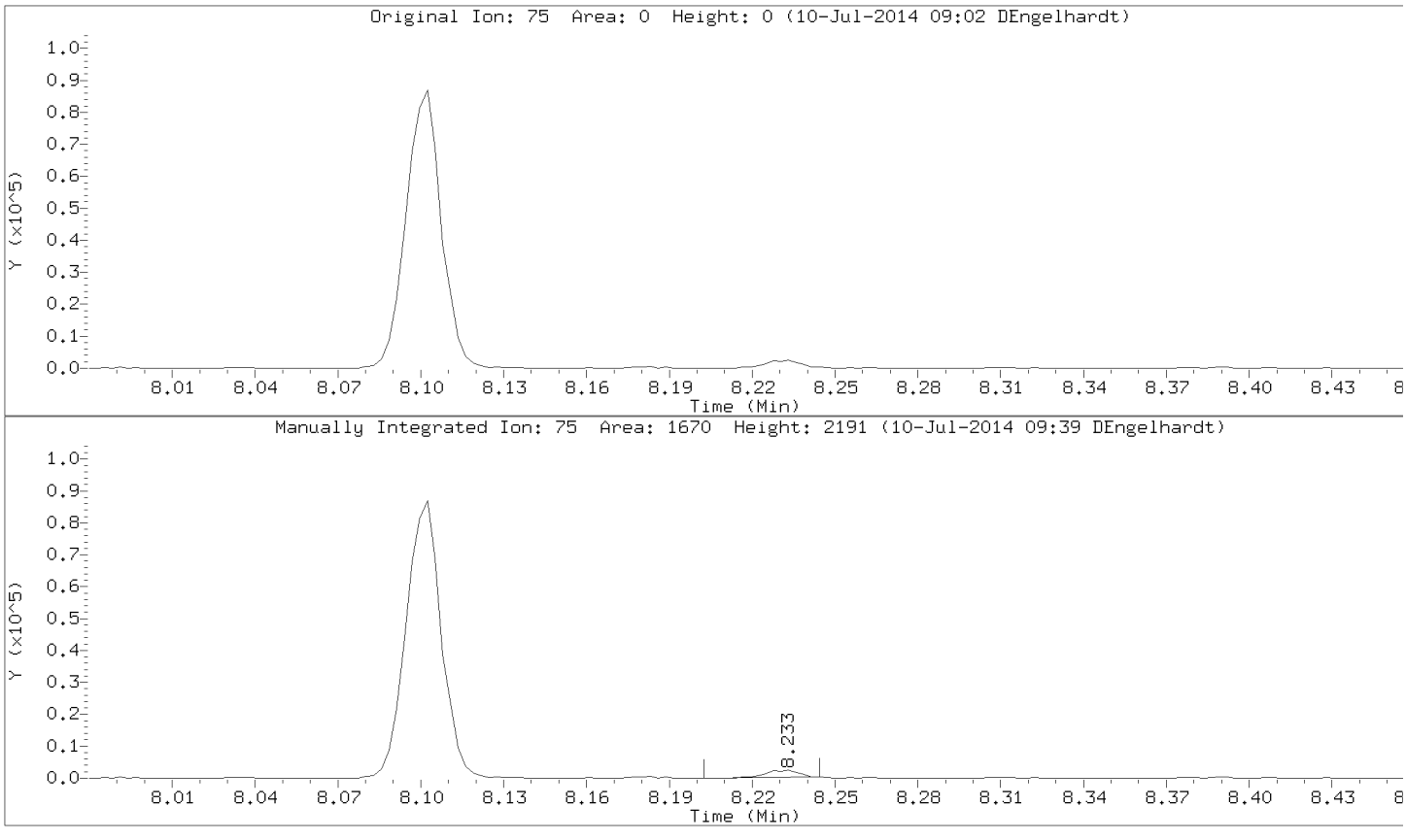


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

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

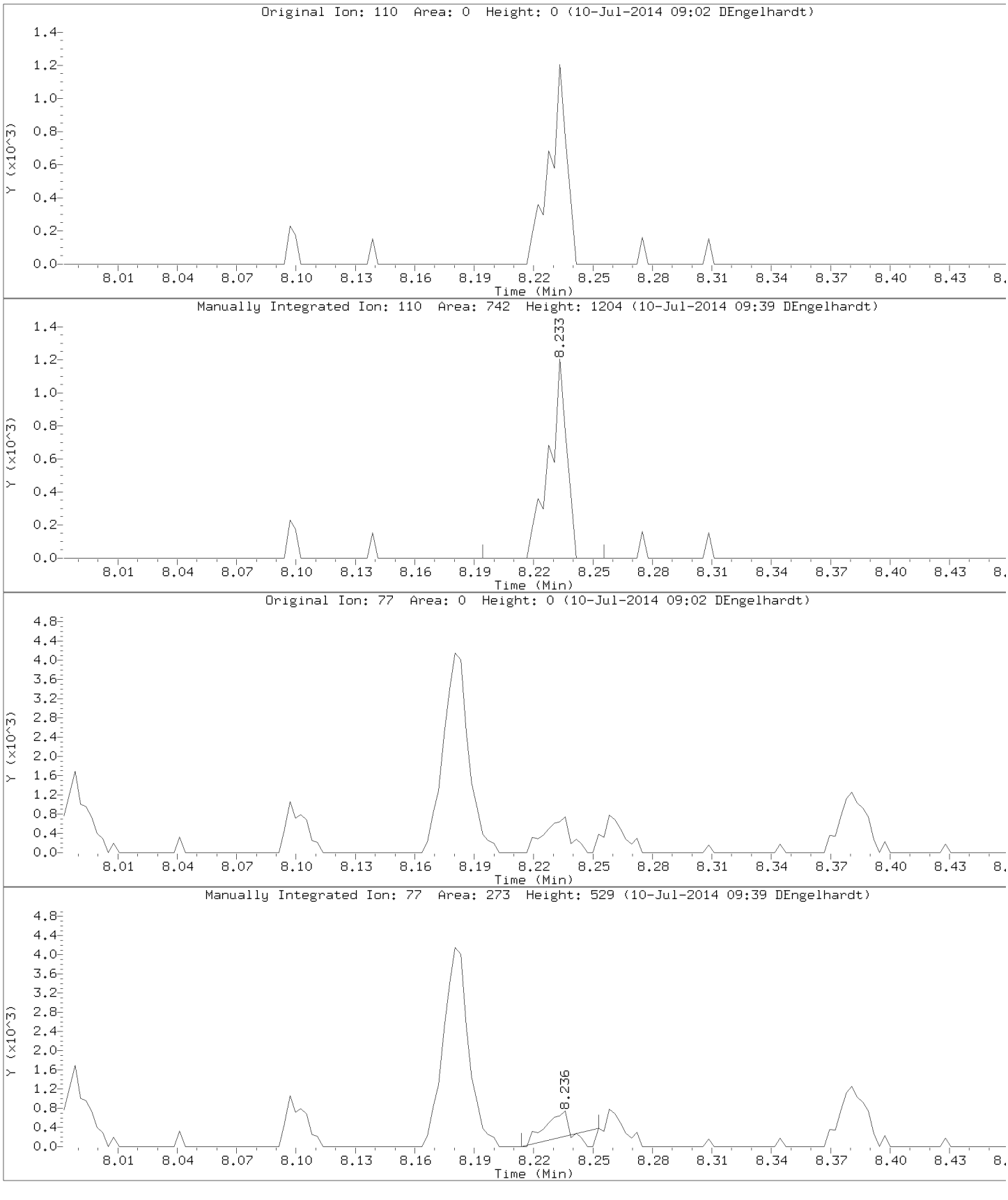


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

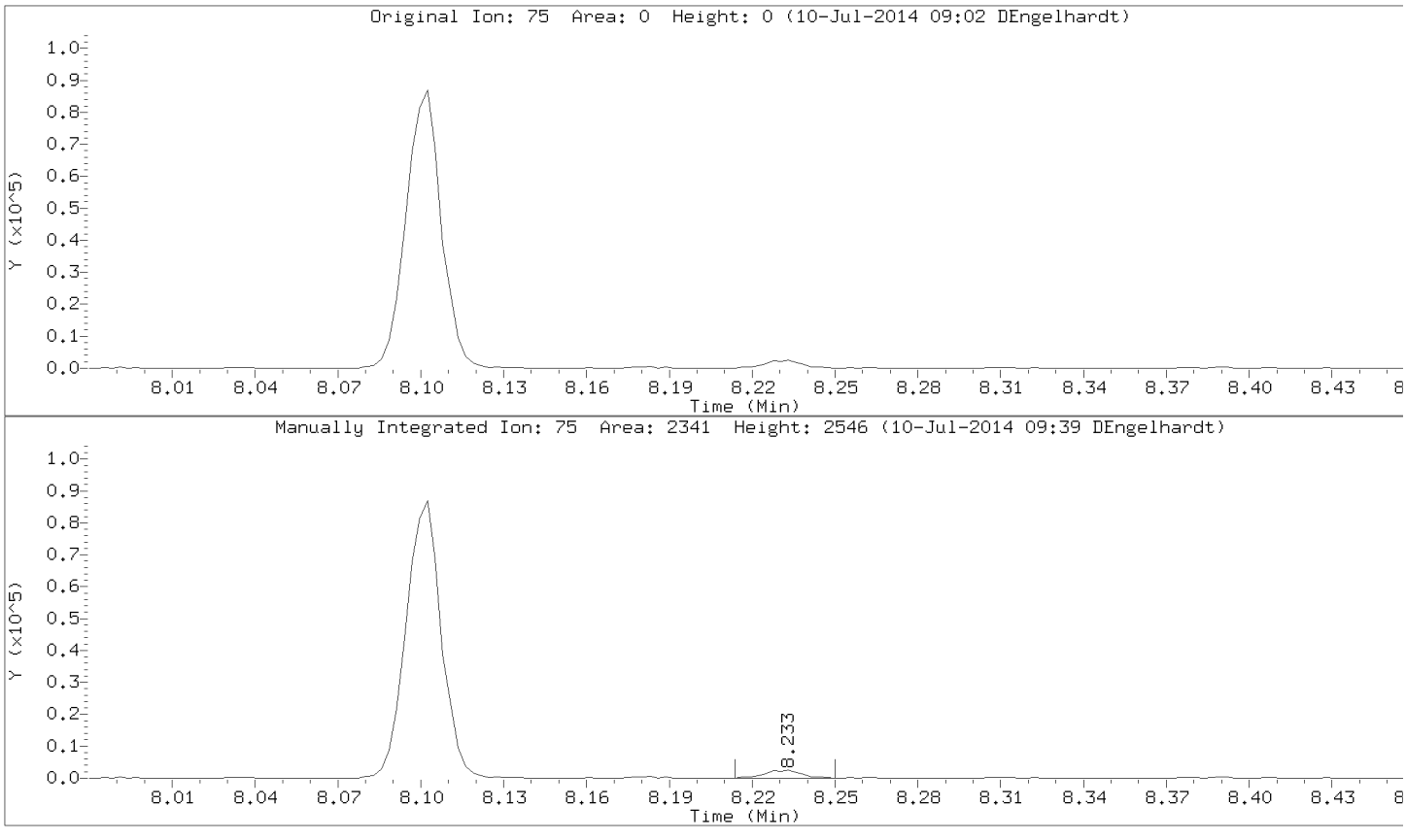


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4

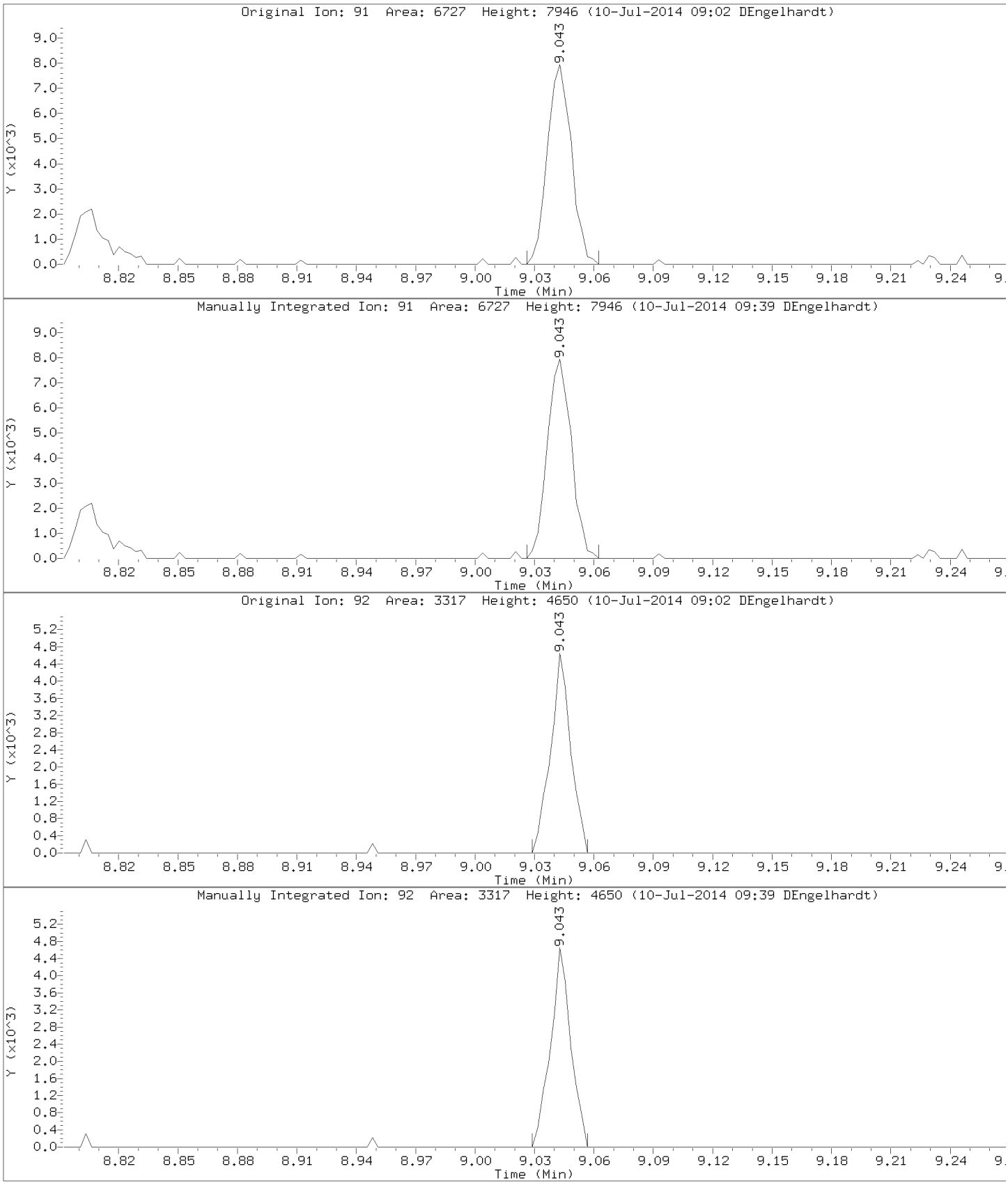


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

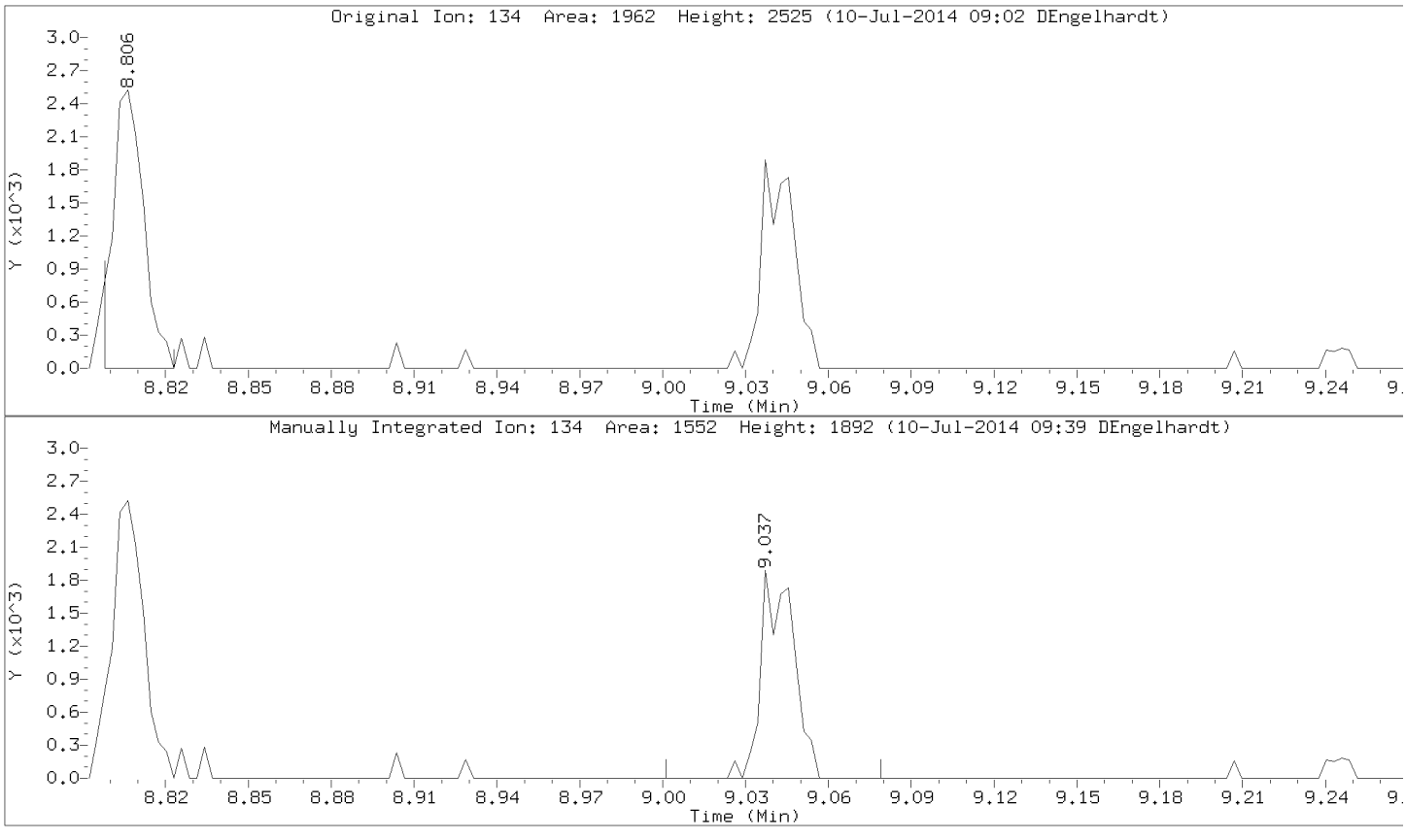


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: n-Butylbenzene
CAS Number: 104-51-8

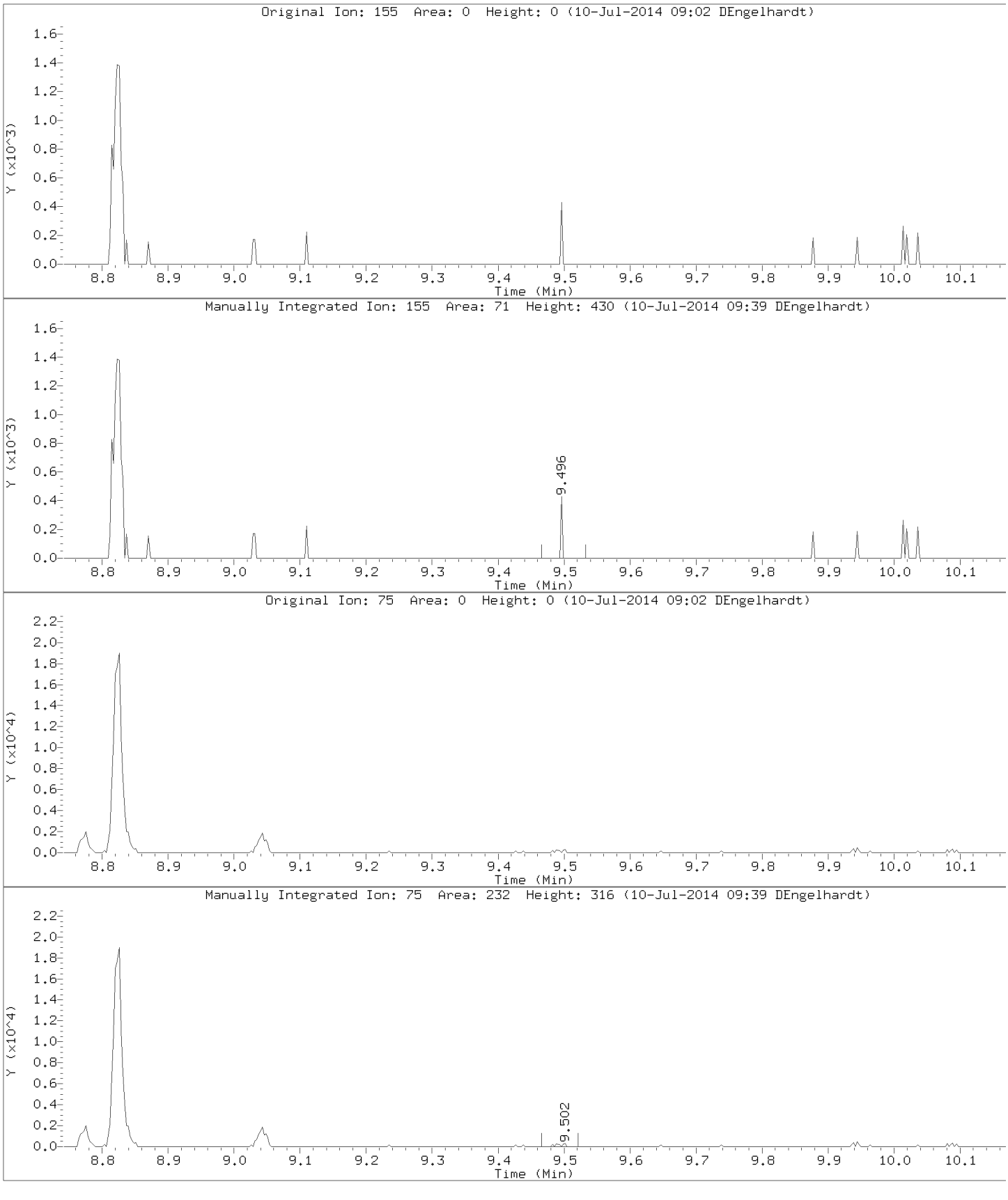


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

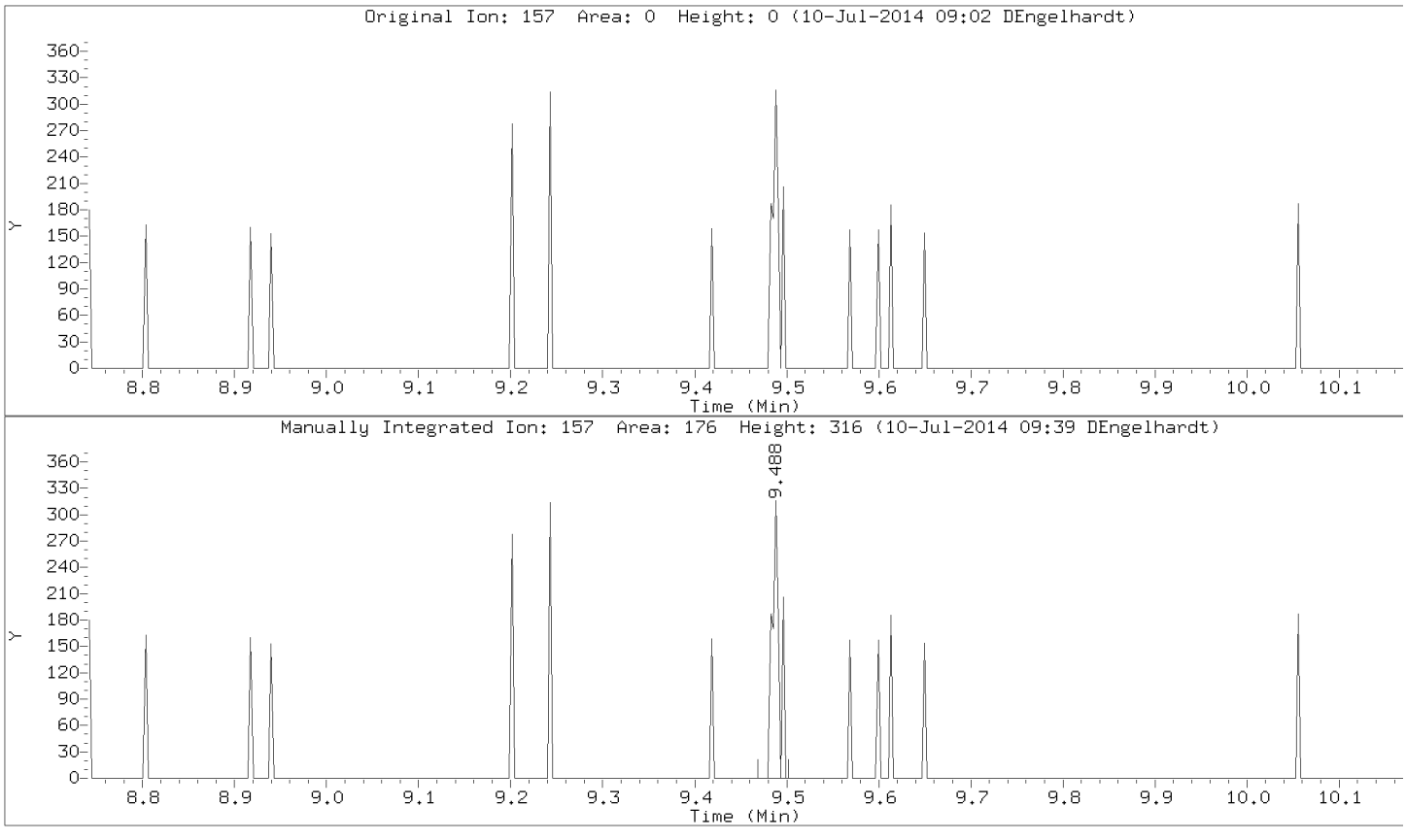


Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a07cal2.d
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0



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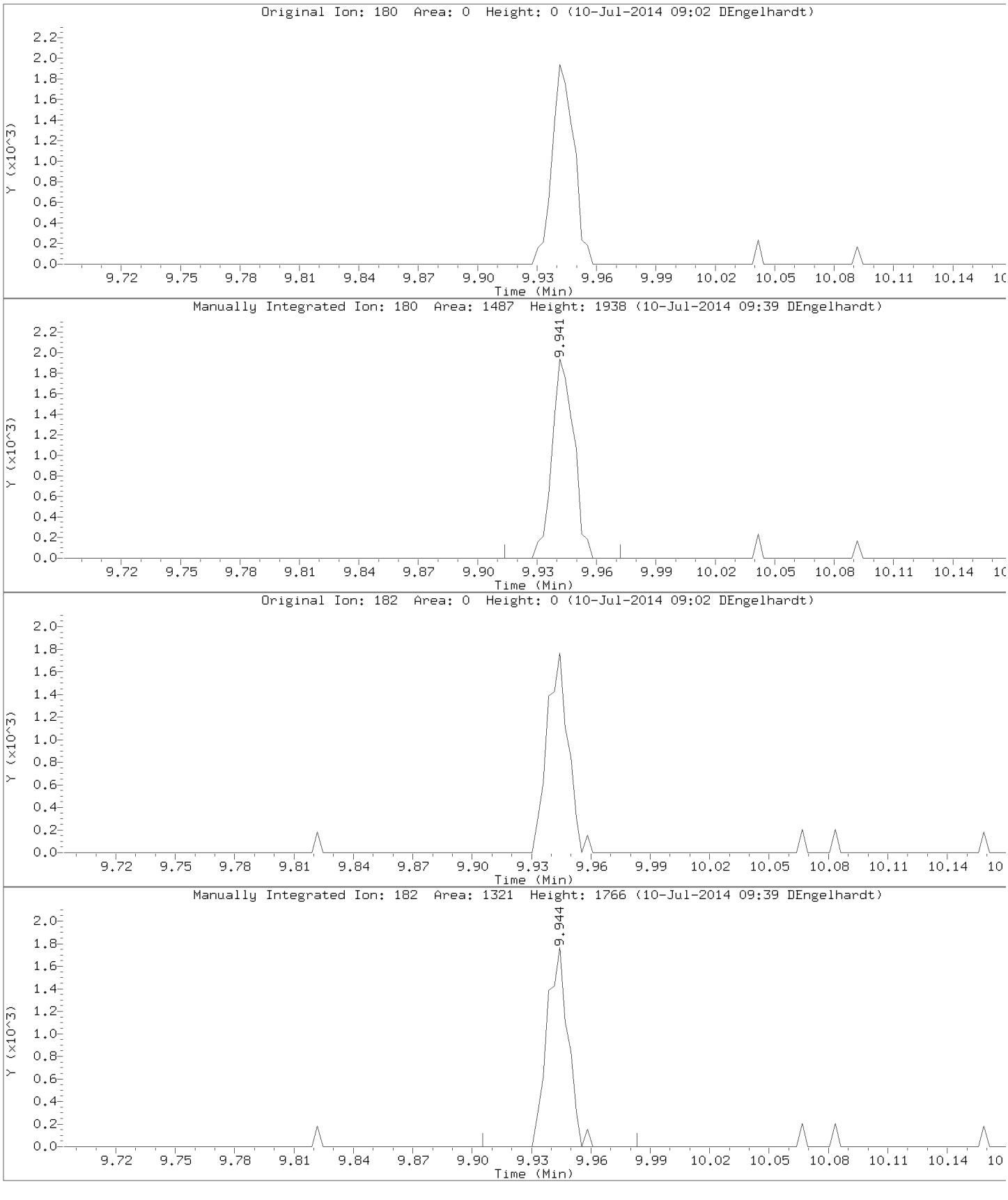
Injection Date: 09-JUL-2014 16:52
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2,4-Trichlorobenzene
CAS Number: 120-82-1



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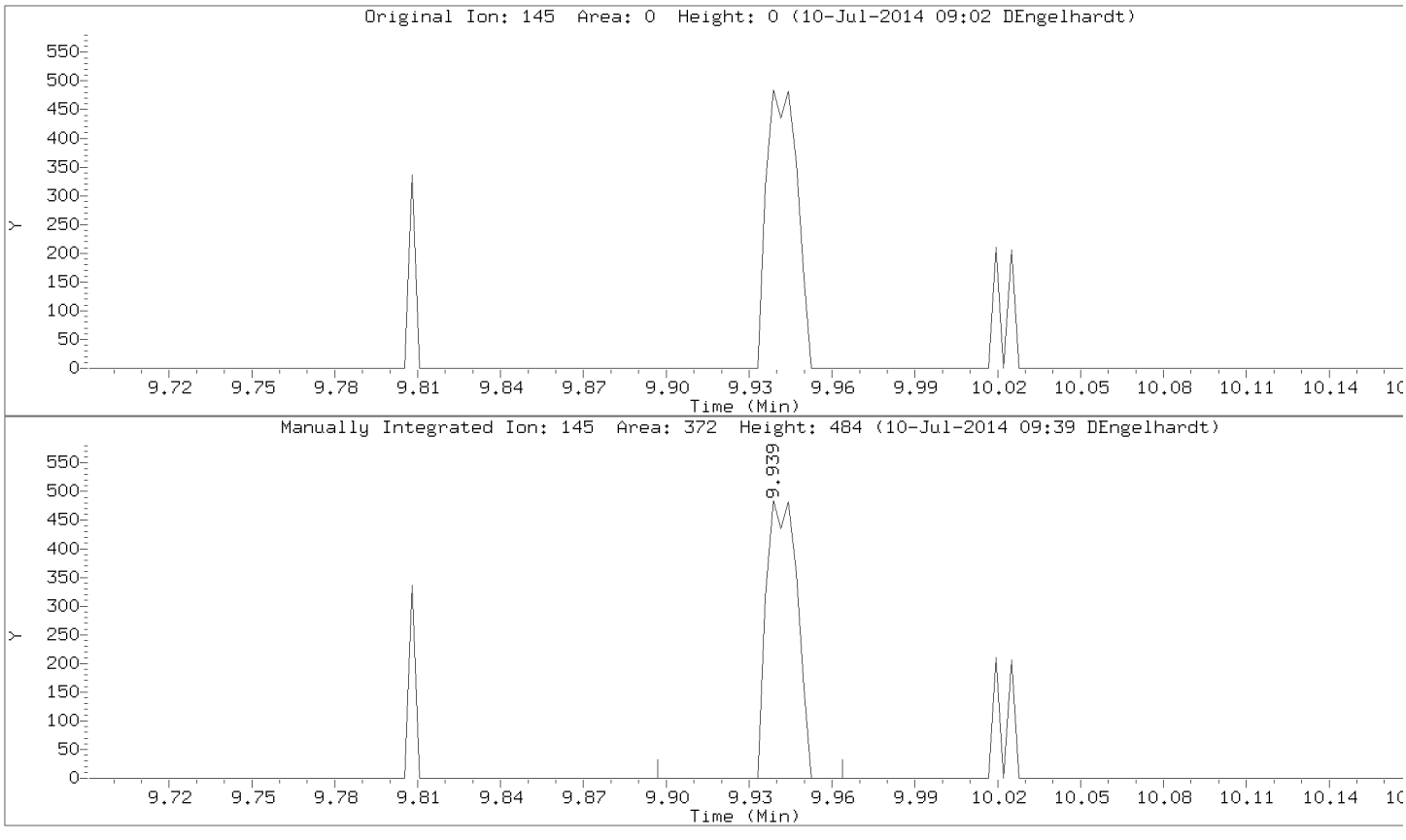

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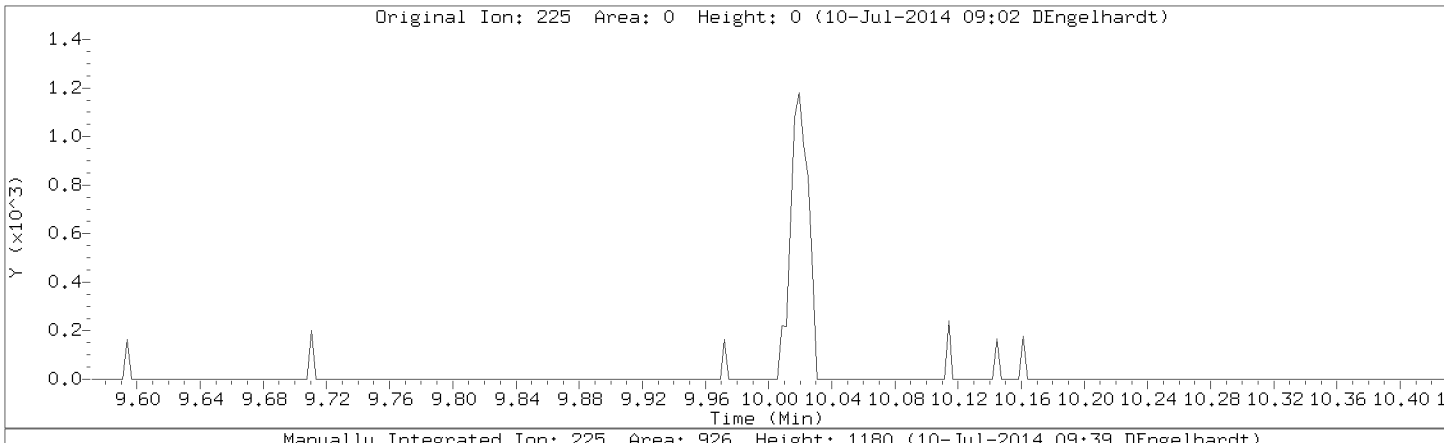
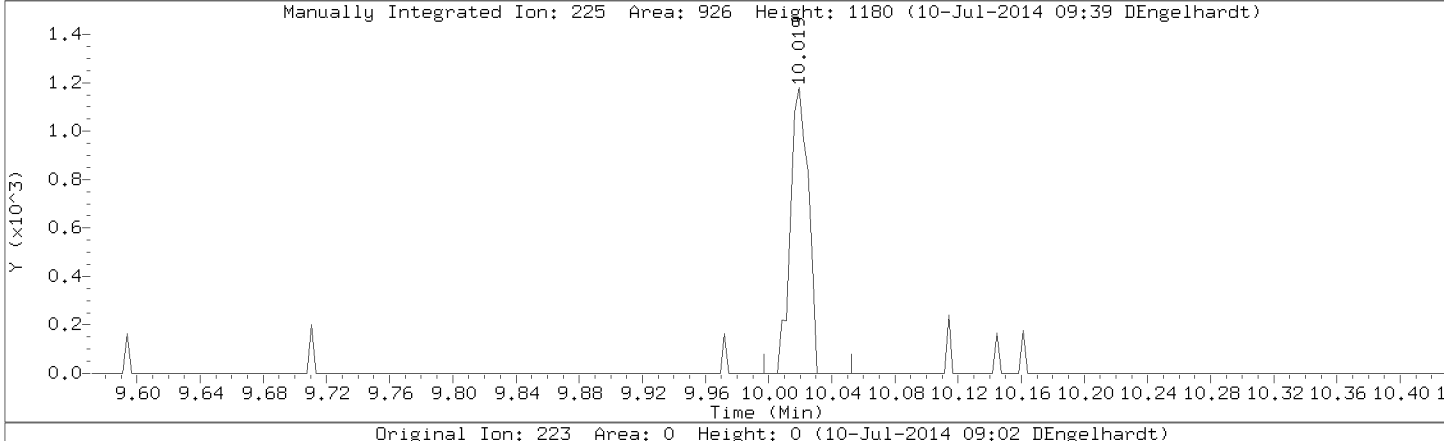
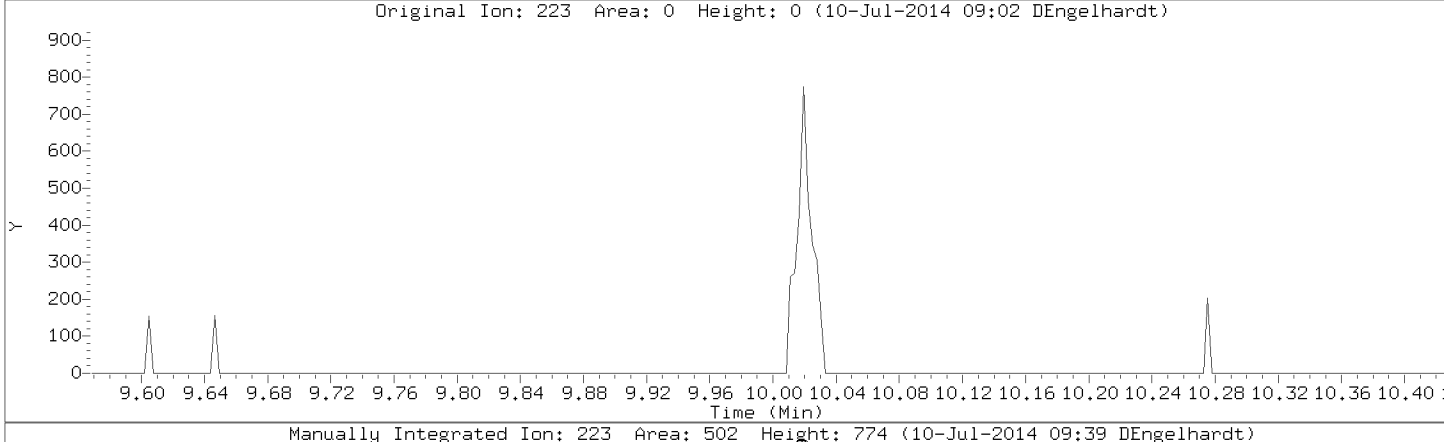
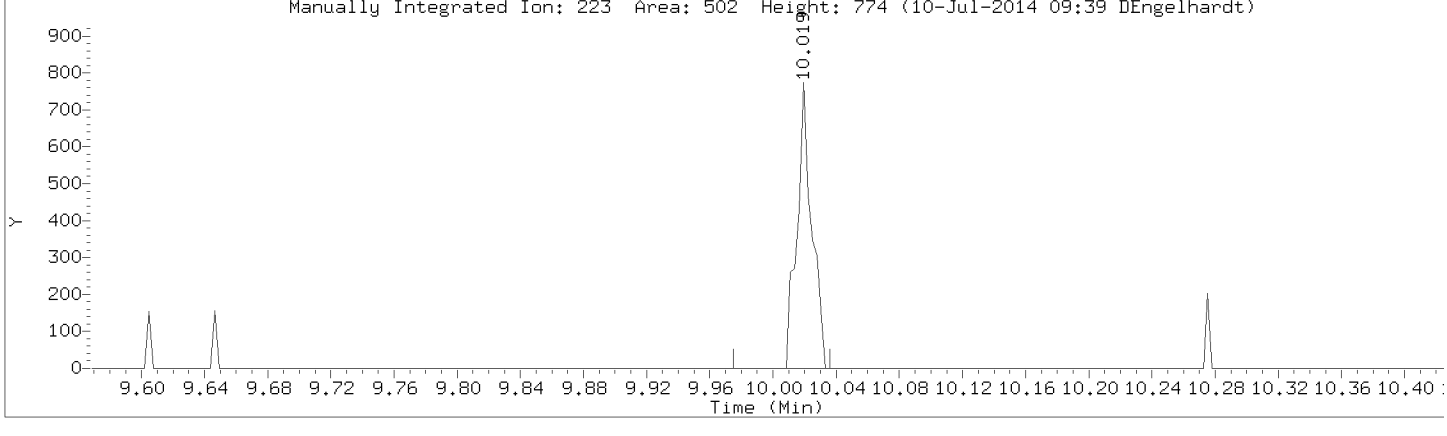
Lab Sample ID: 8260-CAL2,72088:0

Compound: Hexachlorobutadiene
CAS Number: 87-68-3









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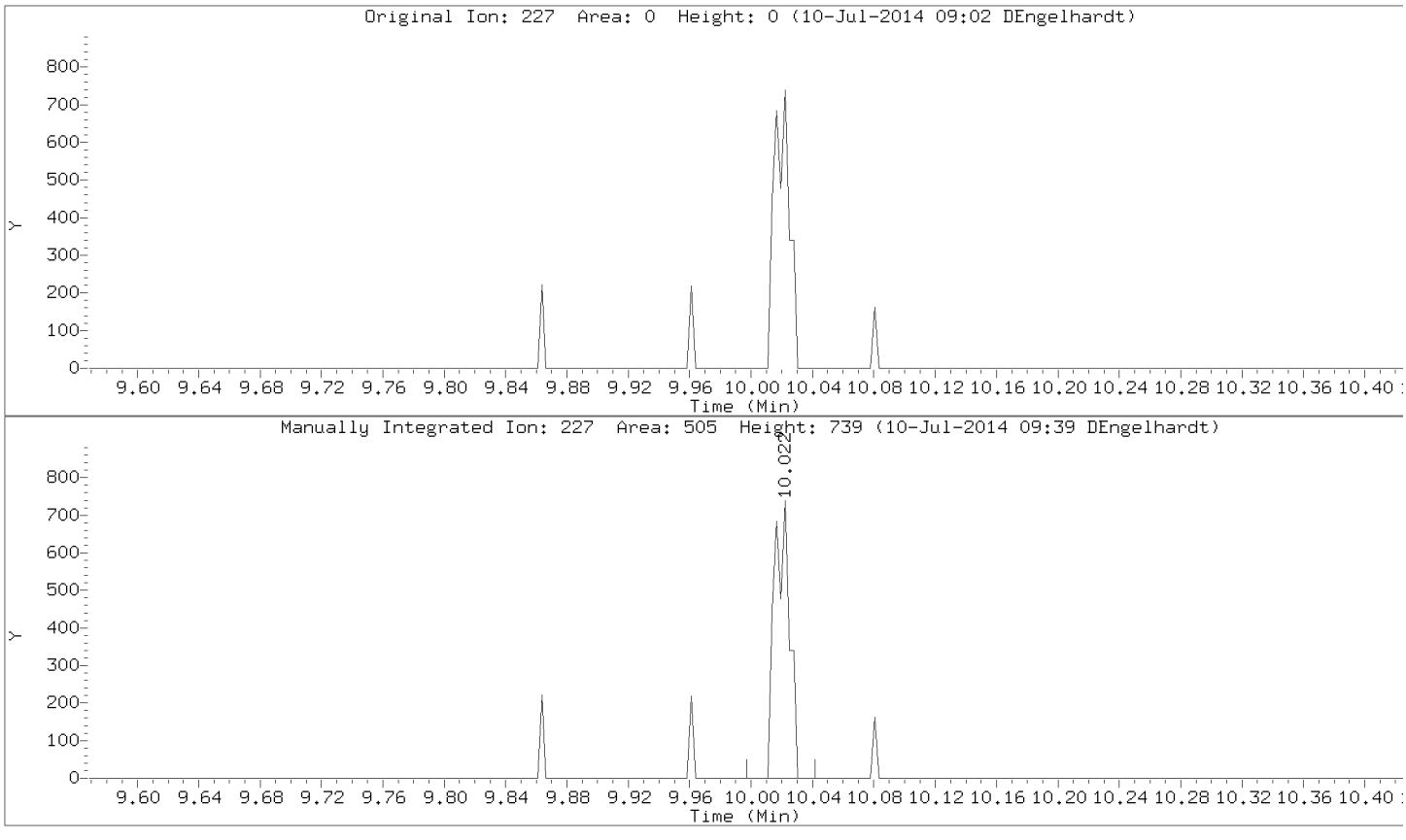

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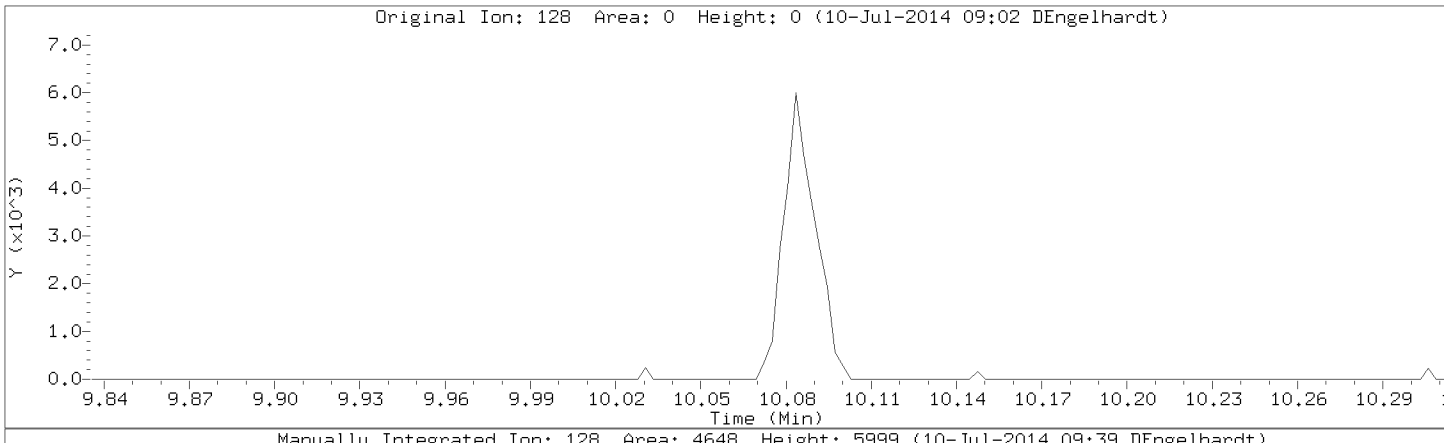
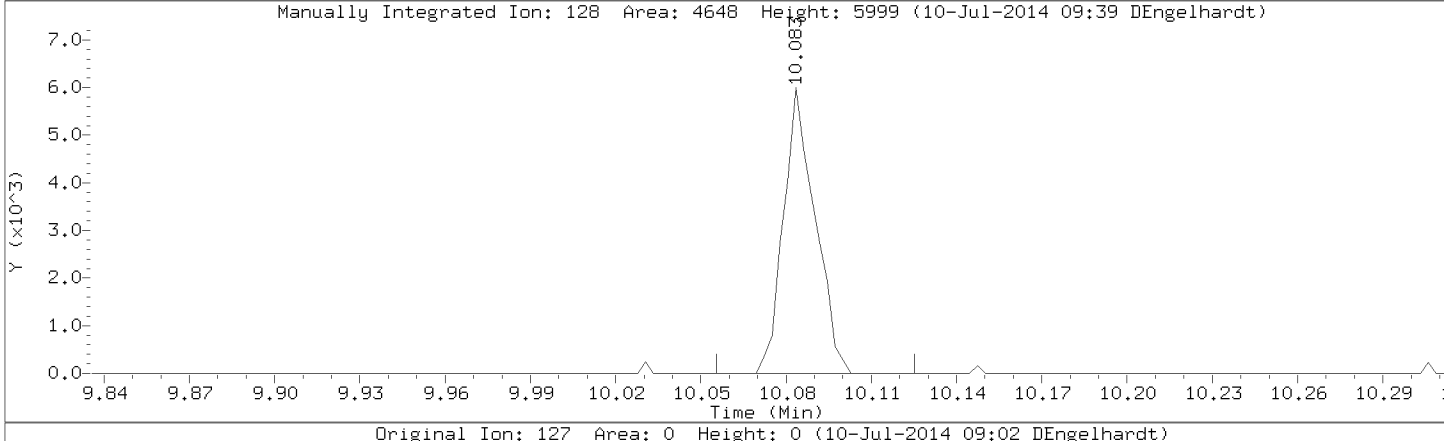
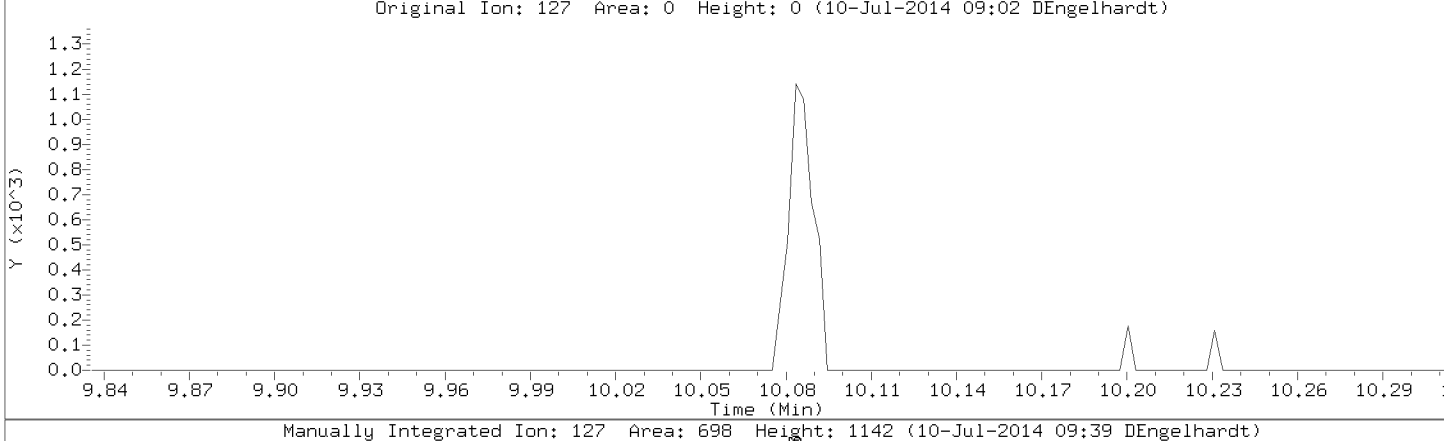
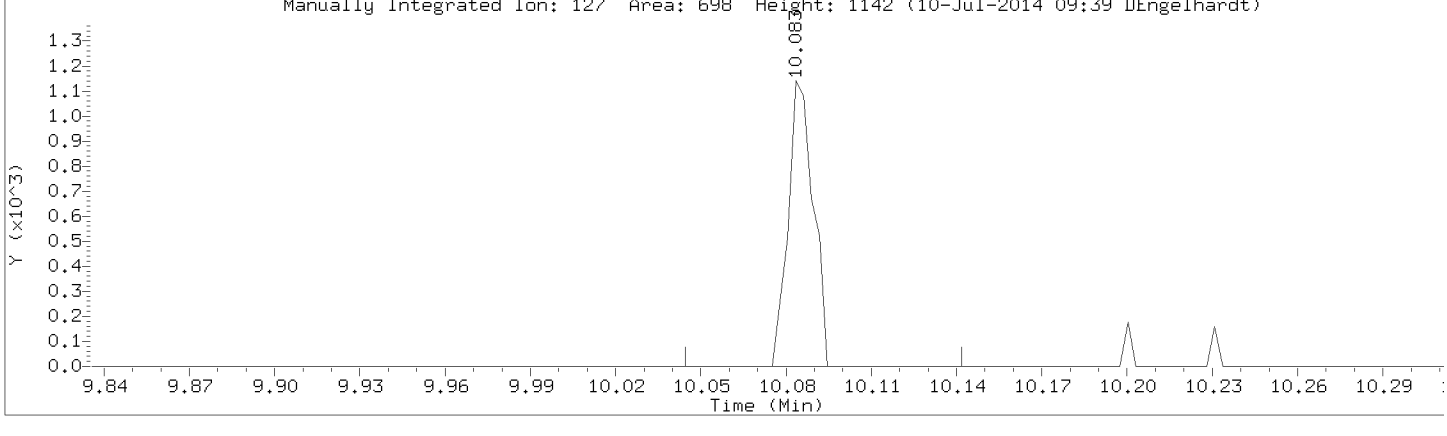
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL2,72088:0

Compound: Naphthalene
CAS Number: 91-20-3









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Injection Date: 09-JUL-2014 16:52
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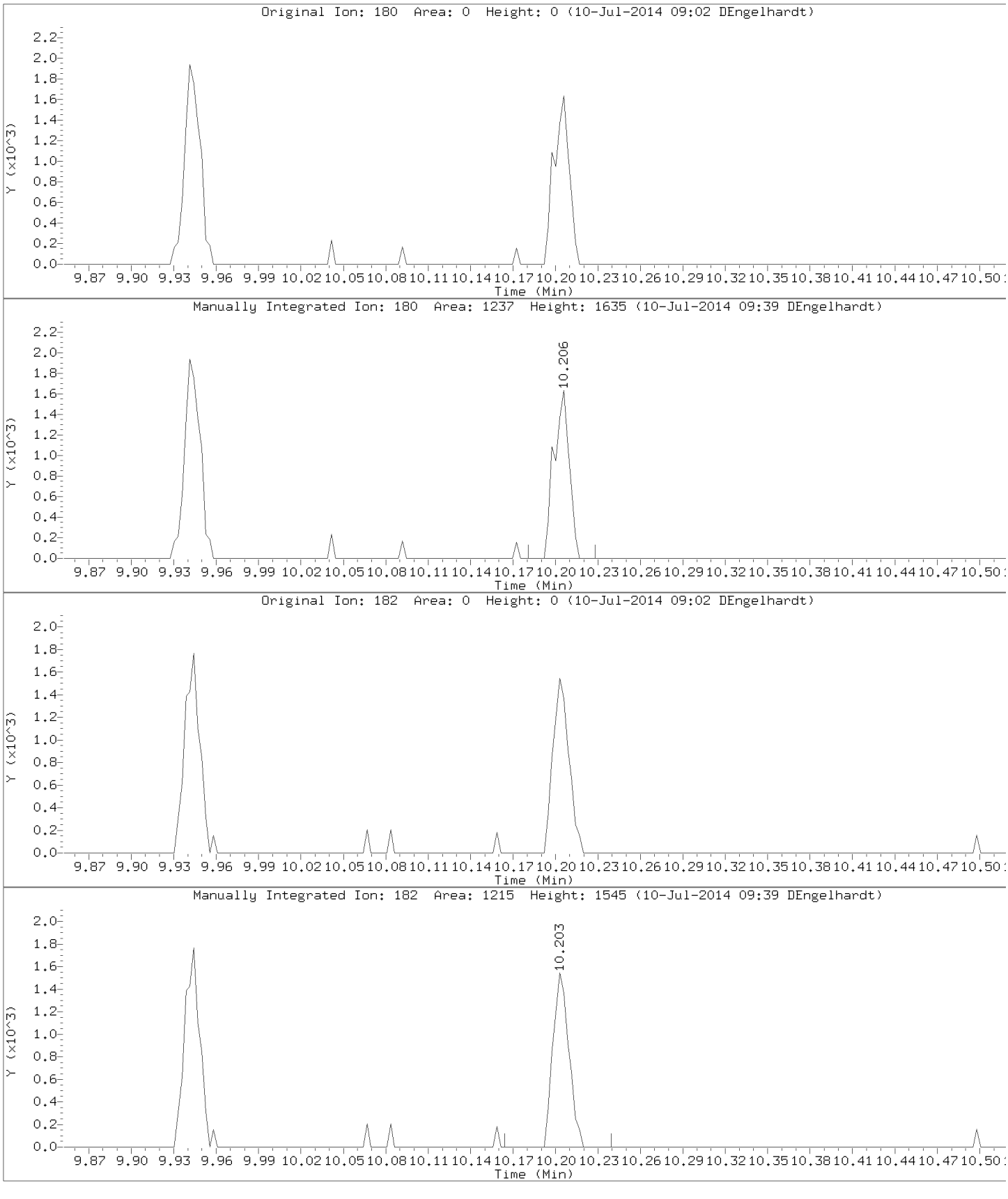
Lab Sample ID: 8260-CAL2,72088:0

Compound: 1,2,3-Trichlorobenzene
CAS Number: 87-61-6



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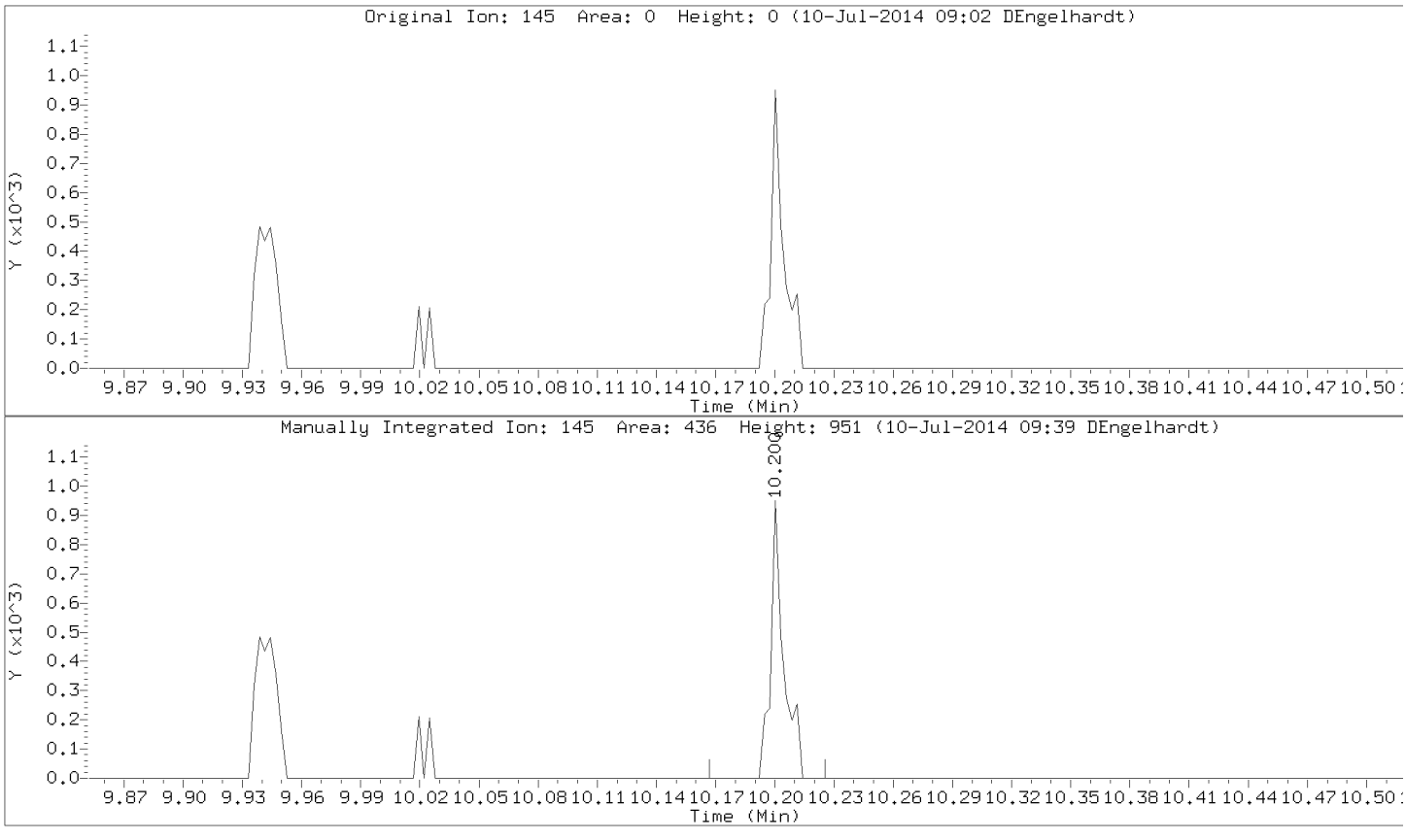

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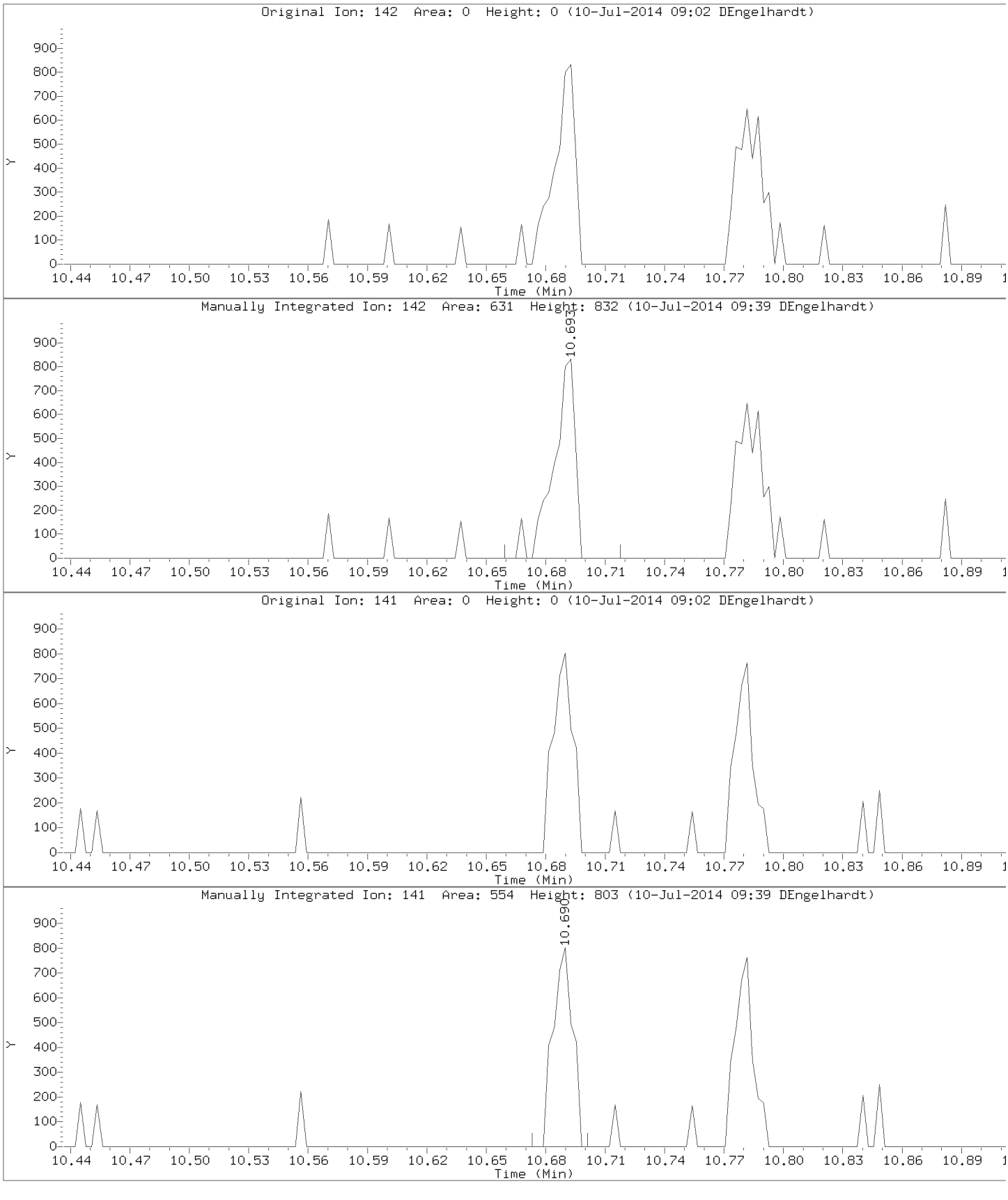
Lab Sample ID: 8260-CAL2,72088:0

Compound: 2,methyl-naphthalene
CAS Number:



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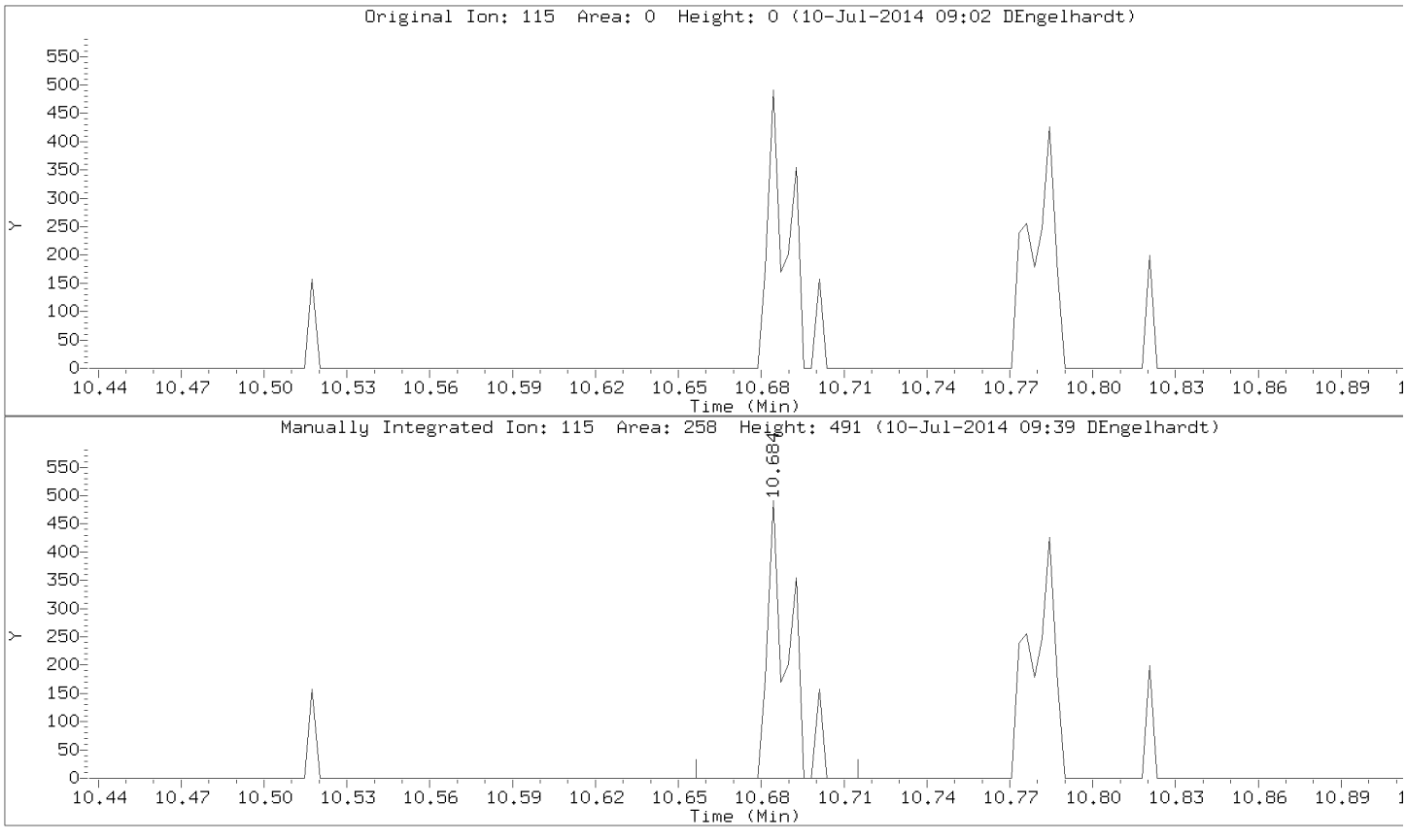

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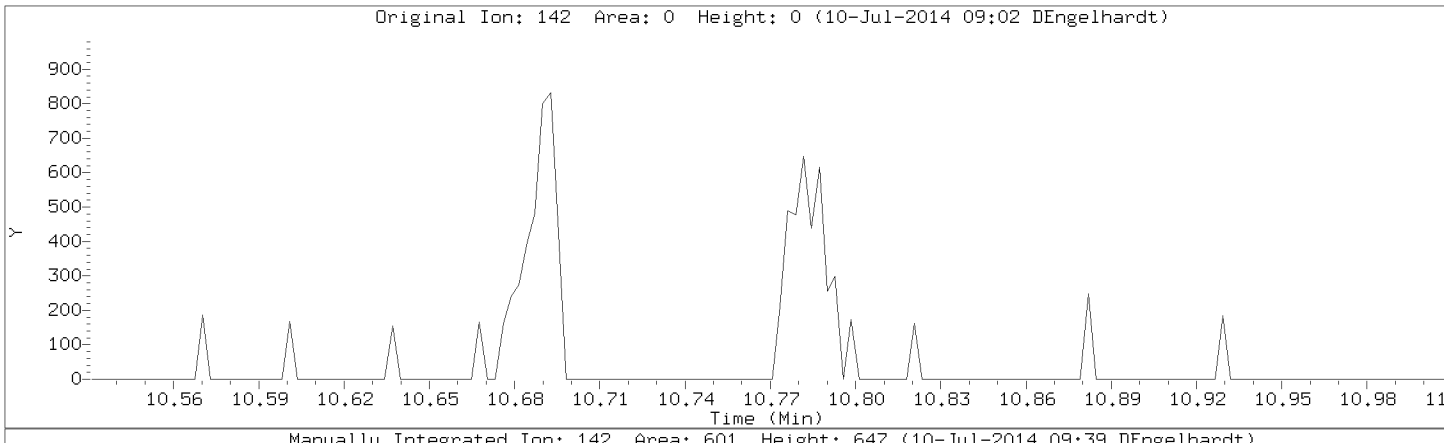
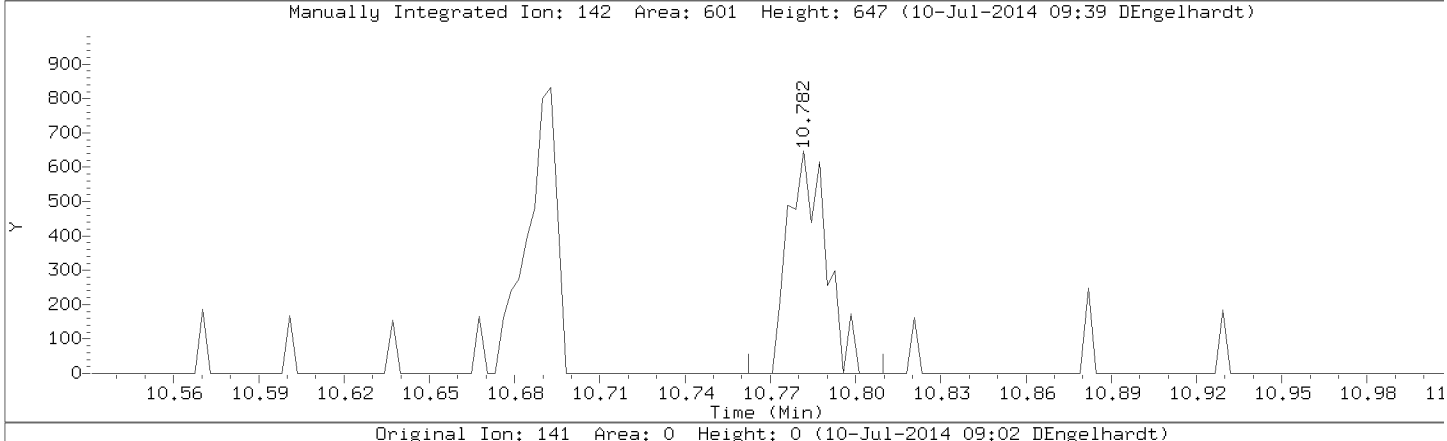
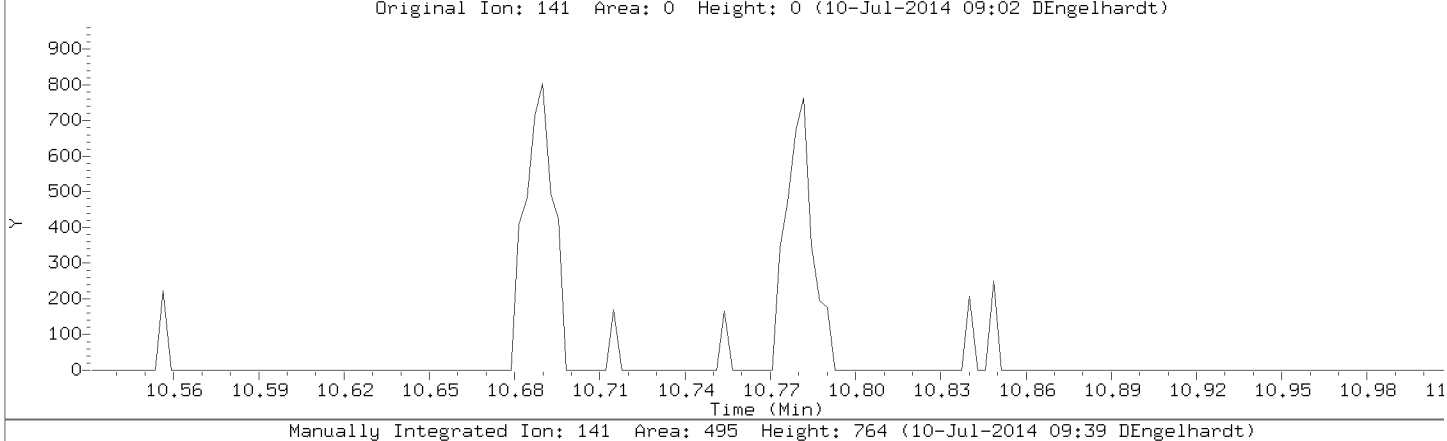
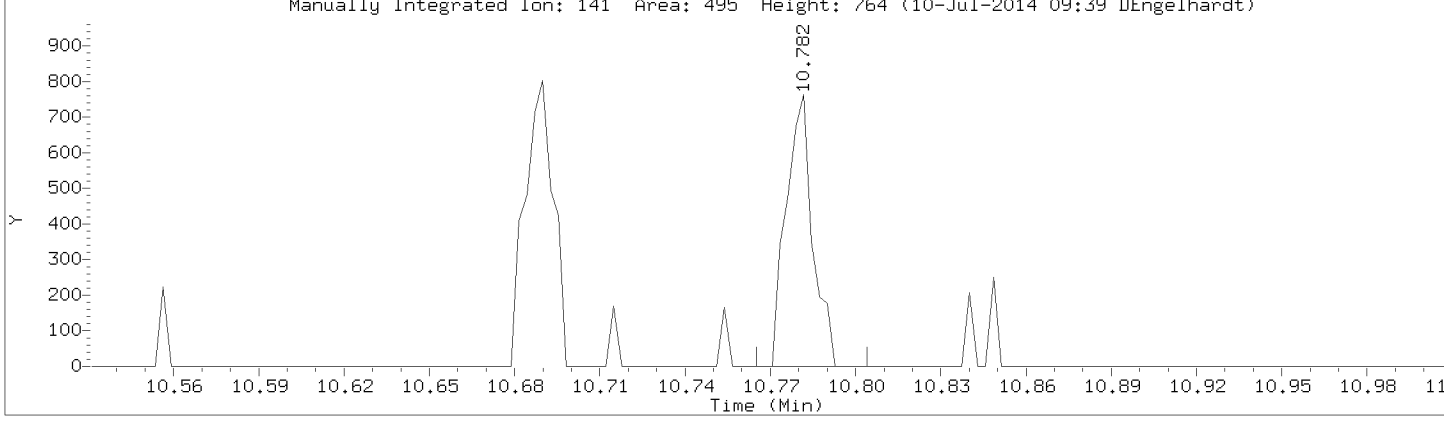
Compound: 1-Methylnaphthalene
CAS Number: 90-12-0









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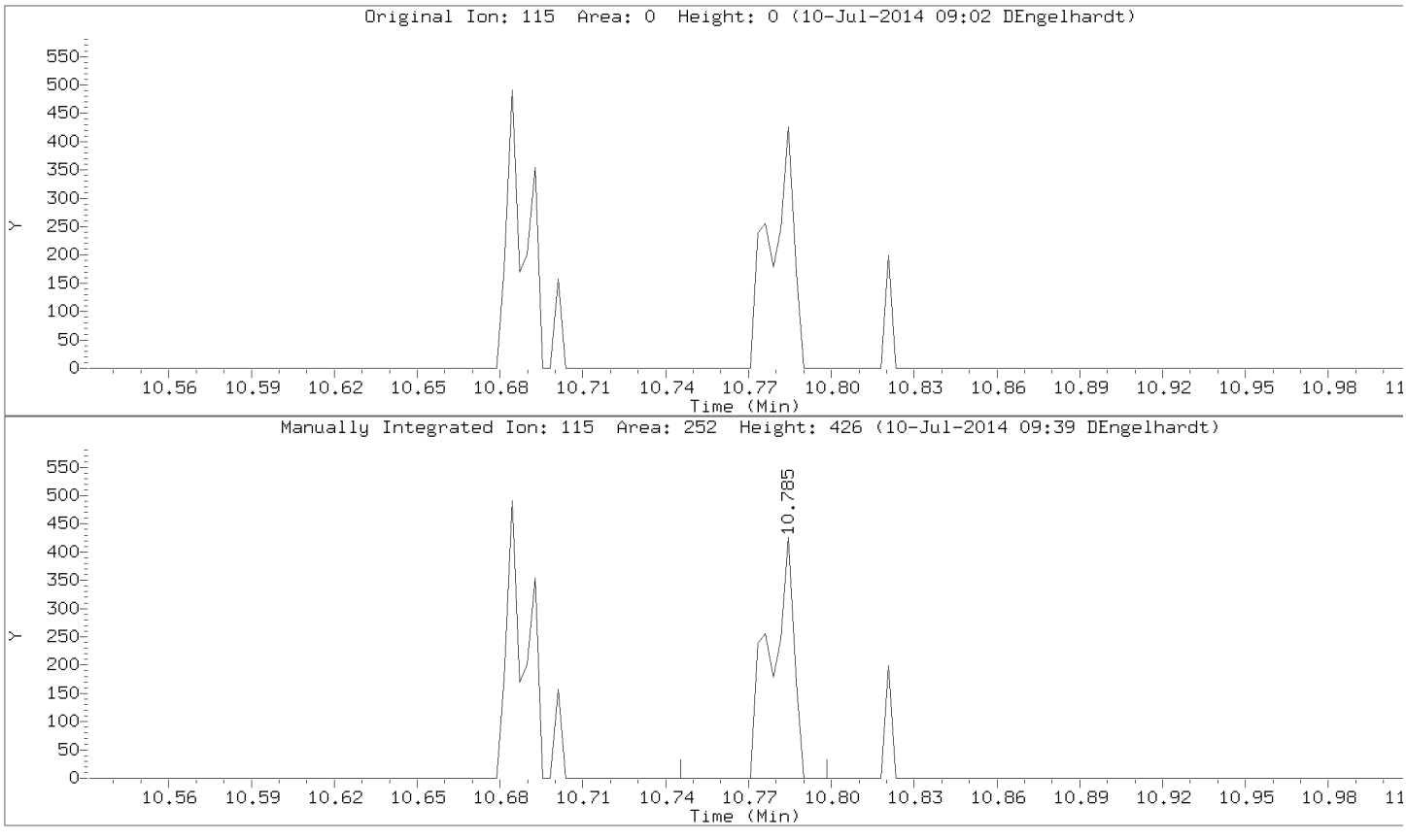

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a08cal3.d
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Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal3,72089:0
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Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 9 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)	ON-COL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	0.946	0.946	(0.228)	6899	2.00000	2.01(M)	
2 Chloromethane	50	1.027	1.024	(0.247)	7739	2.00000	1.90	
3 Vinyl Chloride	62	1.074	1.071	(0.258)	6578	2.00000	1.96	
4 Bromomethane	94	1.216	1.213	(0.292)	1161	2.00000	1.05	
5 Chloroethane	64	1.260	1.260	(0.303)	3941	2.00000	1.98	
6 Trichlorofluoromethane	101	1.374	1.372	(0.331)	8442	2.00000	1.90	
7 Diethyl ether	74	1.497	1.494	(0.360)	2490	2.00000	2.10	
8 1,2-dichlorotrifluoroethane	67	1.511	1.511	(0.363)	6037	2.00000	2.04	
9 Acrolein	56	1.566	1.566	(0.377)	15215	40.0000	37.0	
10 1,1,2trichlorotrifluoroethane	101	1.619	1.616	(0.389)	4053	2.00000	1.90	
11 1,1-Dichloroethene	96	1.625	1.622	(0.391)	3717	2.00000	2.00	
12 Acetone	43	1.630	1.630	(0.392)	12605	10.0000	8.05(M)	
13 Iodomethane	142	1.717	1.708	(0.413)	4932	4.00000	2.24(M)	
14 Carbon Disulfide	76	1.753	1.753	(0.421)	21262	4.00000	3.76	
15 Methyl Acetate	43	1.797	1.797	(0.432)	5652	2.00000	1.87(M)	
16 Acetonitrile	39	1.817	1.814	(0.437)	12650	2.00000	1.89	
17 allyl chloride	41	1.814	1.814	(0.436)	17010	4.00000	3.90	
18 Methylene Chloride	84	1.889	1.886	(0.454)	12861	2.00000	0.875	
19 tert-Butyl Alcohol	59	1.925	1.922	(0.463)	939	4.00000	2.43(M)	
20 Acrylonitrile	53	2.023	2.020	(0.486)	46538	40.0000	39.4	
21 Methyl-tert-butyl ether	73	2.045	2.045	(0.492)	24564	4.00000	4.12	
22 1,2-Dichloroethene (trans)	96	2.062	2.056	(0.496)	4009	2.00000	2.19	
23 n-Hexane	57	2.237	2.237	(0.538)	8417	2.00000	1.88(M)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	46725	8.00000	8.03	
	25 1,1-Dichloroethane	63	2.362	2.357	(0.568)	8892	2.00000	2.11(M)	
	26 Chloroprene	53	2.409	2.412	(0.579)	9432	2.00000	1.74(M)	
	28 2-Butanone	43	2.813	2.810	(0.676)	17702	10.0000	9.52(M)	
	29 1,2-Dichloroethene (cis)	96	2.827	2.824	(0.680)	4812	2.00000	1.53(M)	
	30 2,2-Dichloropropane	77	2.835	2.830	(0.682)	3476	2.00000	1.97(M)	
	31 Propionitrile	54	2.863	2.866	(0.688)	1340	2.00000	5.15(QM)	
	32 Methacrylonitrile	41	3.022	3.013	(0.726)	3960	8.00000	6.77(M)	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	5368	2.00000	1.70(M)	
	34 Tetrahydrofuran	42	3.066	3.066	(0.737)	3133	2.00000	1.14(M)	
	35 Chloroform	83	3.163	3.161	(0.761)	7640	2.00000	1.85(M)	
$	36 Dibromofluoromethane (S)	113	3.336	3.333	(0.802)	88007	50.0000	49.8	
	37 1,1,1-Trichloroethane	97	3.342	3.339	(0.803)	4635	2.00000	1.97(M)	
	38 cyclohexane	56	3.417	3.414	(0.821)	10199	2.00000	1.92(M)	
	39 Carbon Tetrachloride	117	3.514	3.511	(0.845)	2226	2.00000	1.57(M)	
	40 1,1-Dichloropropene	75	3.525	3.520	(0.848)	6270	2.00000	1.84(M)	
	41 Benzene	78	3.764	3.759	(0.905)	18273	2.00000	1.84(M)	
	42 1,2-Dichloroethane	62	3.851	3.848	(0.926)	6819	2.00000	1.72(M)	
	43 2,2,4-Trimethylpentane	57	3.937	3.931	(0.946)	16868	2.00000	1.79(M)	
	44 Isobutyl alcohol	43	3.934	3.934	(0.946)	3693	2.00000	1.92(M)	
*	45 Fluorobenzene	96	4.159	4.159	(1.000)	381765	50.0000		
	47 Trichloroethene	95	4.594	4.602	(1.104)	4691	2.00000	1.60	
	48 Methylcyclohexane	55	4.866	4.858	(1.170)	7007	2.00000	1.70	
	49 1,2-Dichloropropane	63	4.897	4.899	(1.177)	4985	2.00000	2.16(M)	
	50 1,4-Dioxane	88	5.000	4.997	(1.202)	414	2.00000	2.72(QM)	
	51 Dibromomethane	93	4.986	4.989	(1.199)	2168	2.00000	1.57(M)	
	52 Methyl methacrylate	69	5.008	5.008	(1.204)	2502	2.00000	1.97(QM)	
	53 Bromodichloromethane	83	5.208	5.208	(1.252)	3766	2.00000	1.95(M)	
	54 2-Chloroethyl vinyl ether	63	5.551	5.542	(0.766)	5605	4.00000	3.81(M)	
	55 cis-1,3-Dichloropropene	75	5.679	5.679	(0.784)	3157	2.00000	1.93(M)	
	56 4-Methyl-2-Pentanone	43	5.846	5.845	(0.807)	26912	10.0000	9.98	
$	57 Toluene-d8	98	5.937	5.934	(0.820)	363916	50.0000	50.3	
	58 Toluene	91	6.007	6.004	(0.829)	19272	2.00000	1.99	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	2381	2.00000	1.88(M)	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	4195	2.00000	1.84(M)	
	61 1,1,2-Trichloroethane	83	6.455	6.458	(0.891)	2781	2.00000	1.50	
	62 Tetrachloroethene	166	6.505	6.505	(0.898)	3792	2.00000	1.92	
	63 1,3-Dichloropropane	76	6.600	6.599	(0.911)	6545	2.00000	1.78	
	64 2-Hexanone	43	6.669	6.672	(0.920)	18308	10.0000	9.59	
	65 Dibromochloromethane	129	6.786	6.783	(0.937)	1628	2.00000	2.05(M)	
	66 1,2-Dibromoethane	107	6.869	6.867	(0.948)	2572	2.00000	1.71(M)	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	251022	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	10823	2.00000	1.91(M)	
	69 1,1,1,2-Tetrachloroethane	131	7.348	7.348	(1.014)	1780	2.00000	1.99(M)	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	6713	2.00000	2.12(Q)	
	71 m&p-Xylene	106	7.462	7.459	(1.030)	14719	4.00000	3.93(M)	
	72 o-Xylene	106	7.726	7.729	(1.066)	6691	2.00000	2.17(Q)	
	73 Styrene	104	7.746	7.746	(1.069)	10967	2.00000	2.04	
	74 Bromoform	173	7.865	7.865	(0.892)	834	2.00000	1.90(M)	
	75 Isopropylbenzene	105	7.985	7.988	(1.102)	18558	2.00000	2.15	
$	76 4-Bromofluorobenzene	95	8.099	8.102	(1.118)	143316	50.0000	51.8	
	78 Bromobenzene	77	8.183	8.180	(1.129)	7564	2.00000	1.91	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	4206	2.00000	1.82(M)	
	80 trans-1,4-Dichloro-2-butene	53	8.224	8.224	(1.135)	1323	2.00000	1.64(QM)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81	1,2,3-Trichloropropane	110	8.230	8.233	(0.933)	1512	2.00000	1.98(Q)	
82	n-Propylbenzene	91	8.261	8.260	(0.936)	22086	2.00000	1.76	
83	2-Chlorotoluene	91	8.308	8.308	(0.942)	13543	2.00000	1.90	
84	1,3,5-Trimethylbenzene	105	8.383	8.380	(0.950)	14373	2.00000	1.91	
85	4-Chlorotoluene	126	8.389	8.388	(0.951)	4385	2.00000	2.06	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	12260	2.00000	1.84	
87	1,2,4-Trimethylbenzene	105	8.608	8.611	(0.976)	14238	2.00000	1.66	
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	17286	2.00000	1.93	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	6923	2.00000	1.64	
90	p-Isopropyltoluene	119	8.806	8.803	(0.998)	14818	2.00000	2.09	
* 91	1,4-Dichlorobenzene-d4	152	8.823	8.822	(1.000)	113862	50.0000		
92	1,4-Dichlorobenzene	146	8.839	8.836	(1.002)	7513	2.00000	1.77	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	13365	2.00000	1.82	
94	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	6501	2.00000	1.89(M)	
95	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	243	2.00000	3.75(QM)	
96	1,2,4-Trichlorobenzene	180	9.944	9.941	(1.127)	3017	2.00000	1.97	
97	Hexachlorobutadiene	225	10.019	10.022	(1.136)	1594	2.00000	1.39(M)	
98	Naphthalene	128	10.083	10.086	(1.143)	9013	2.00000	1.80	
99	1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	2643	2.00000	1.94	
100	2,methyl-naphthalene	142	10.689	10.687	(1.212)	1055	2.00000	1.48(M)	
101	1-Methylnaphthalene	142	10.784	10.781	(1.222)	1287	2.00000	1.87(M)	

QC Flag Legend

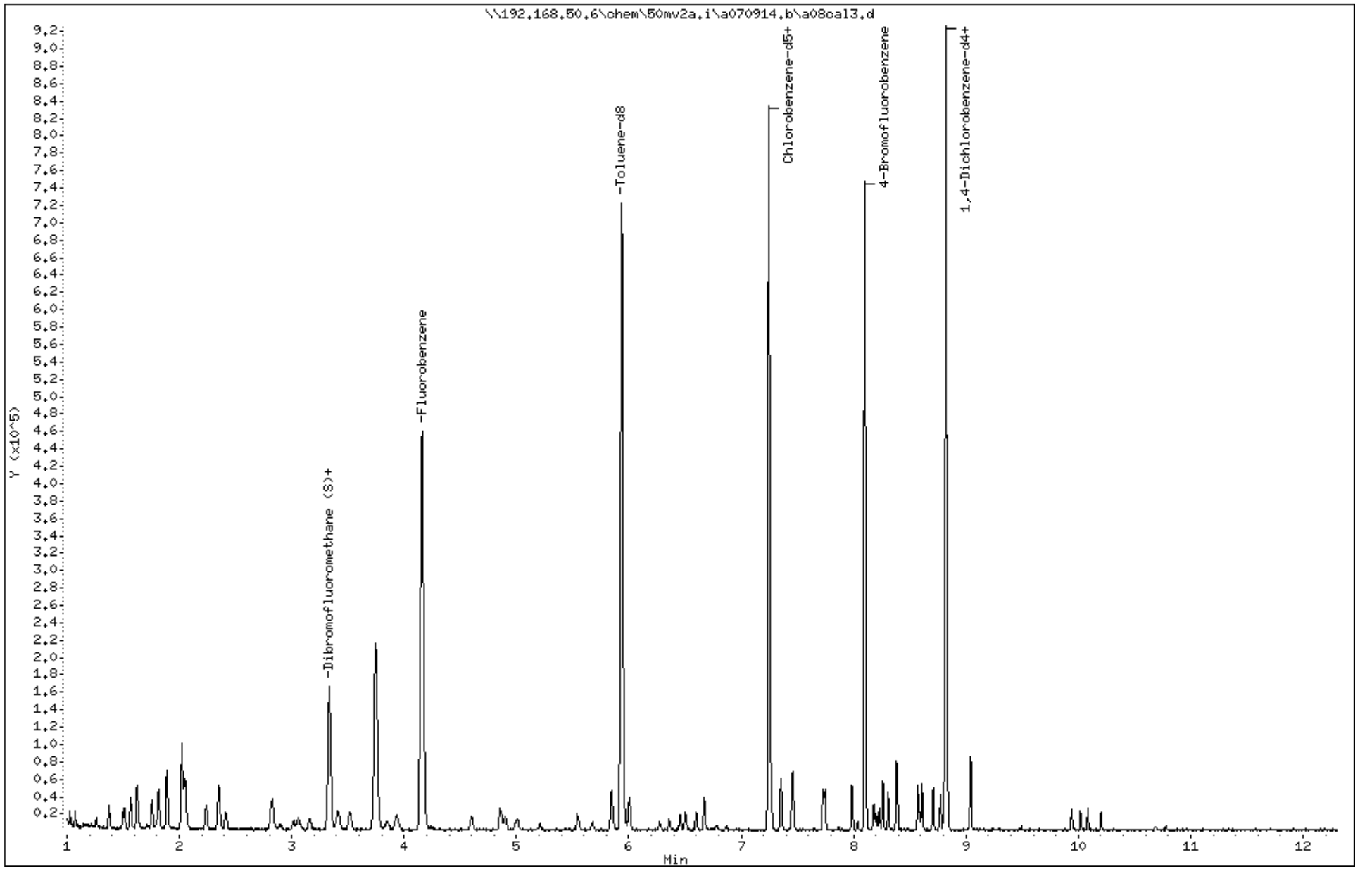
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a08cal3.d
Date : 09-JUL-2014 17:24
Client ID: 8260-CAL3,72089:0
Sample Info: 8260-CAL3,72089:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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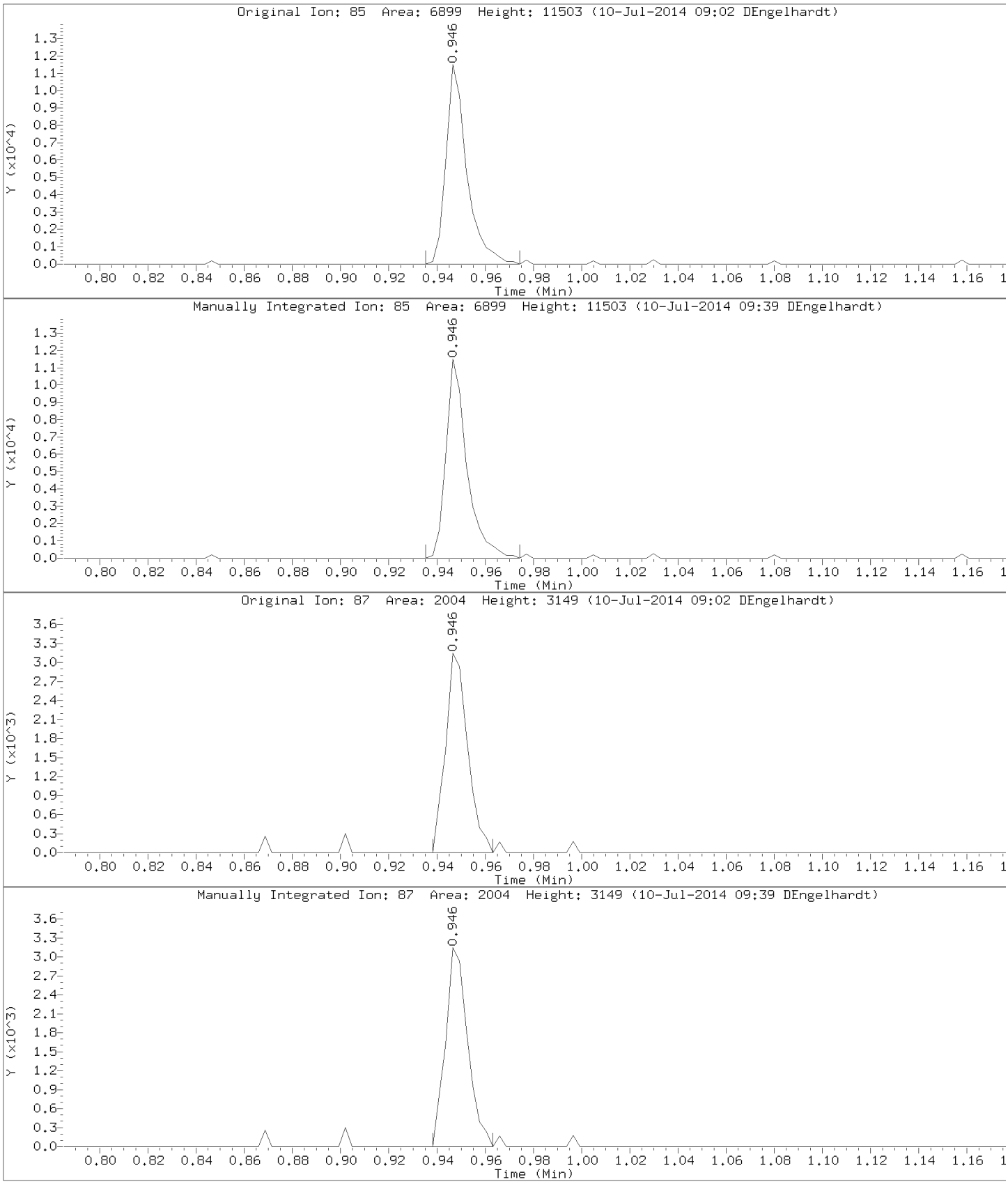
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



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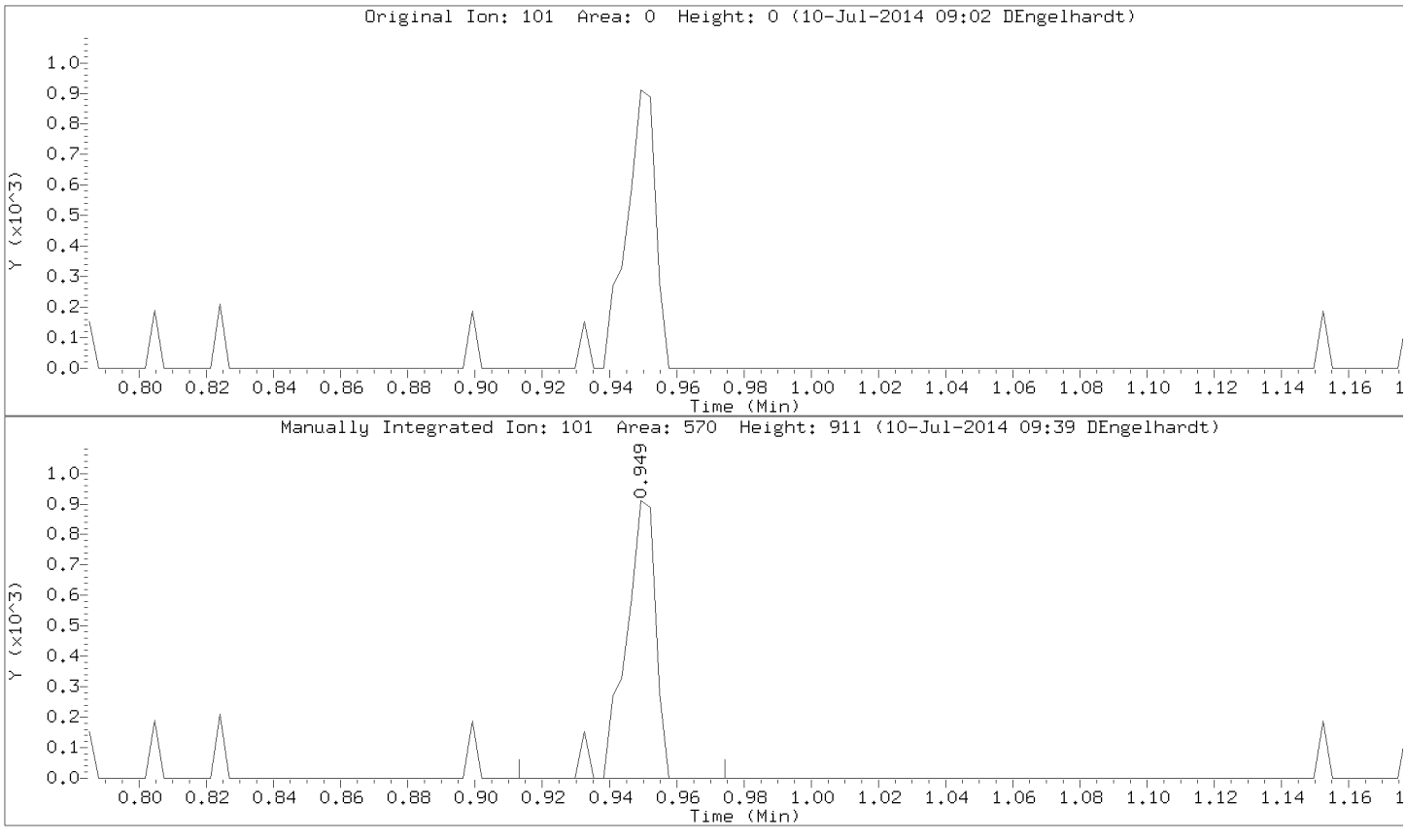
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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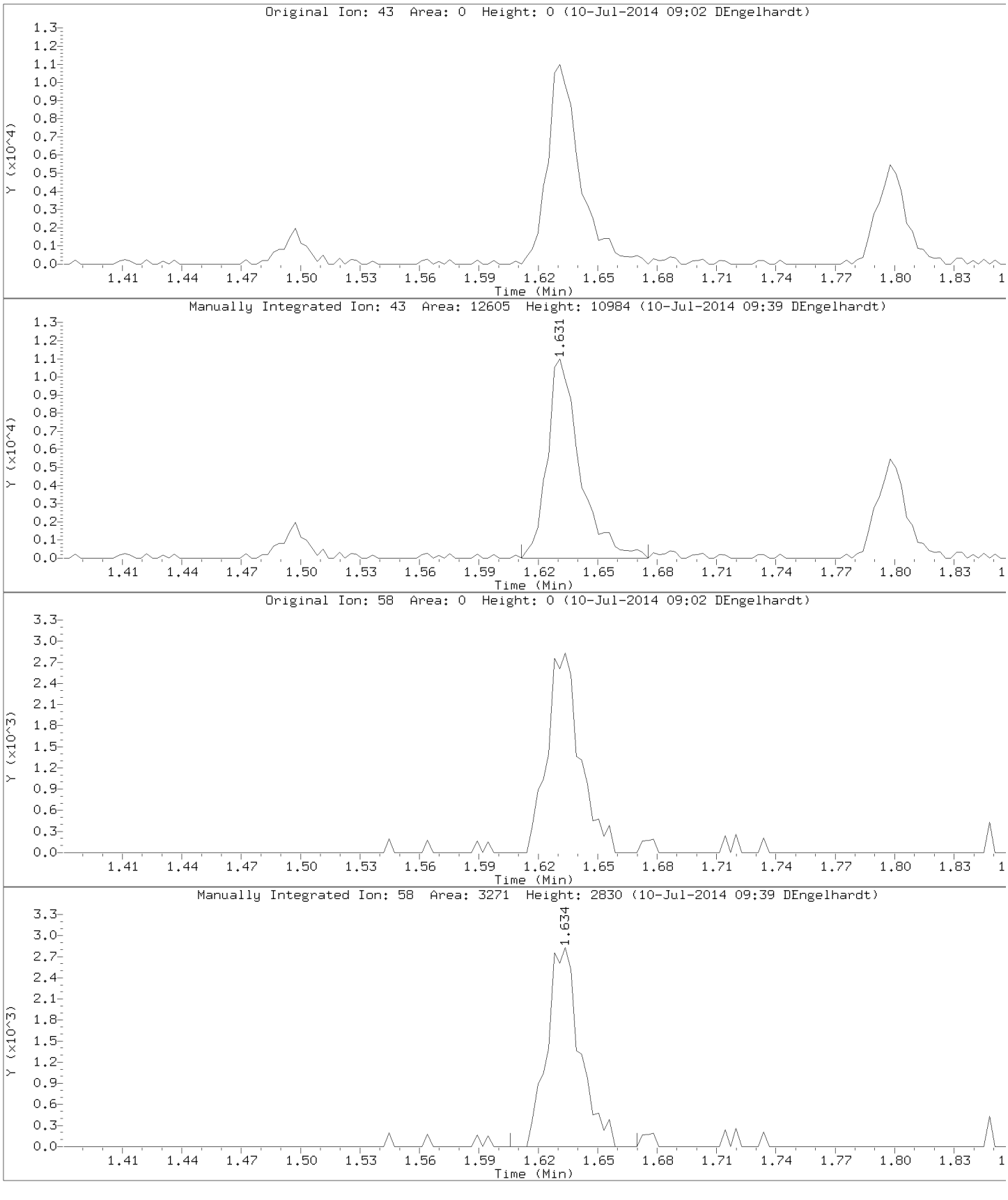
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Acetone
CAS Number: 67-64-1



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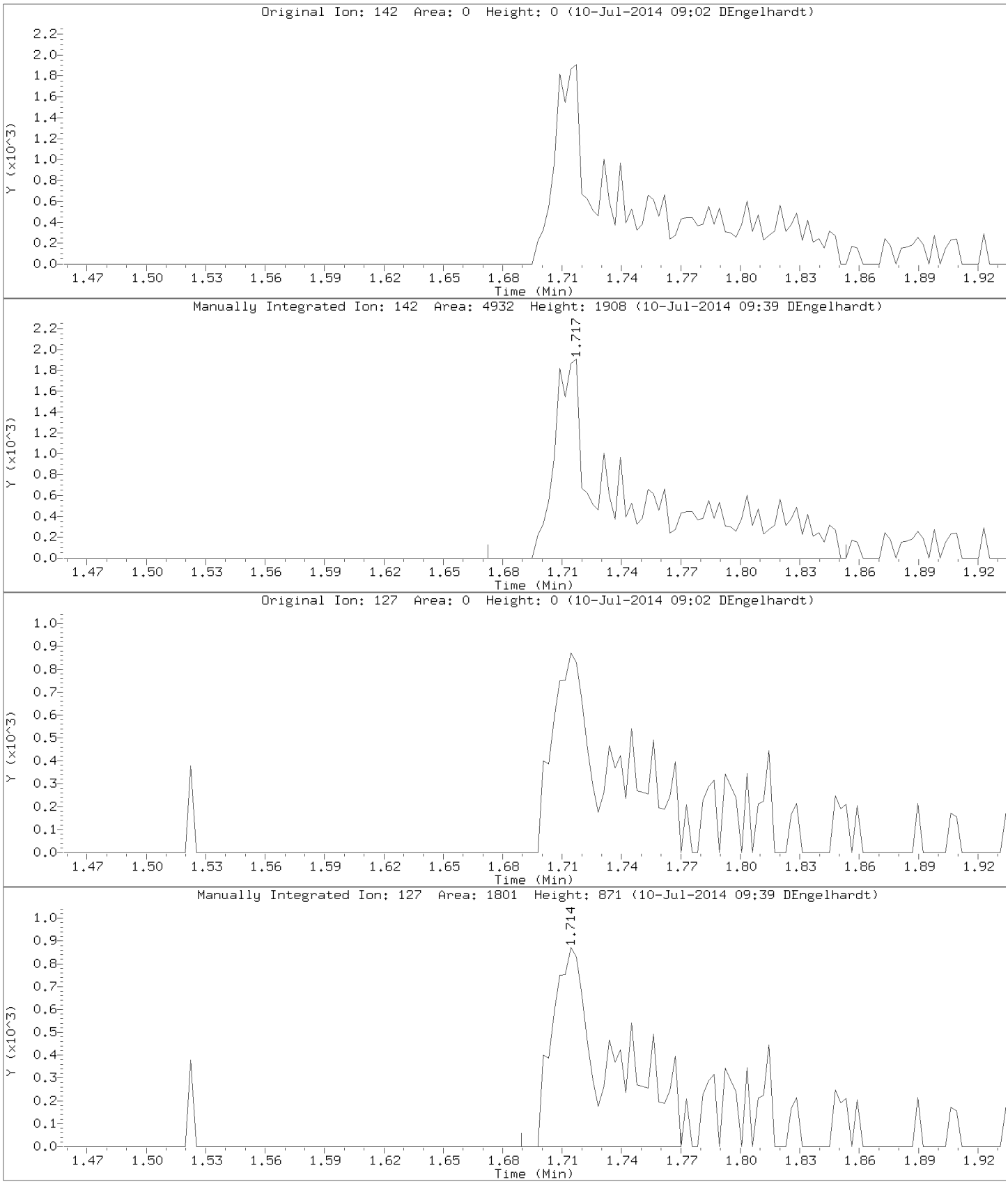
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Iodomethane
CAS Number:



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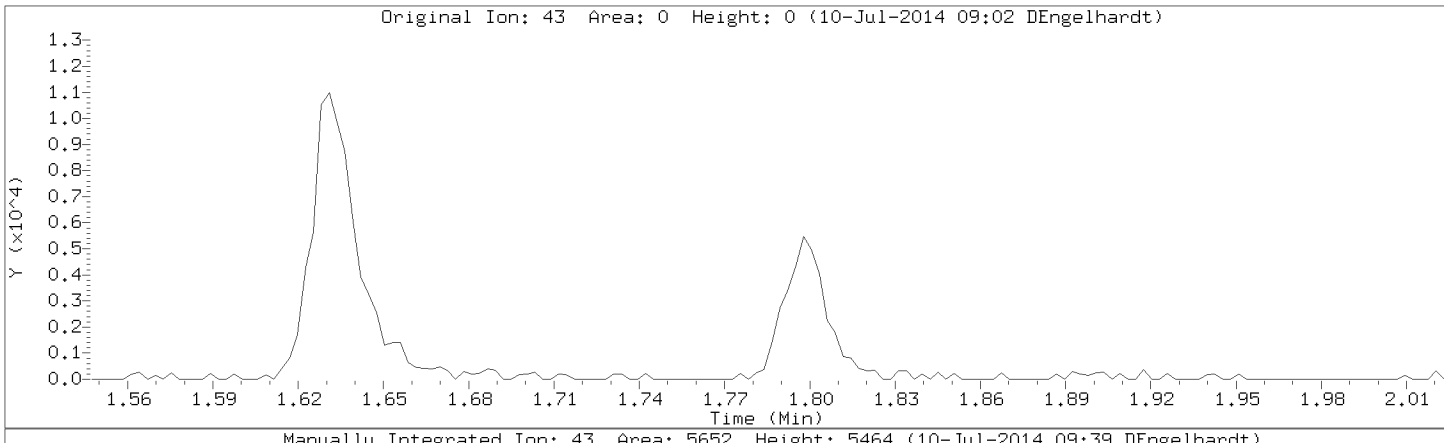
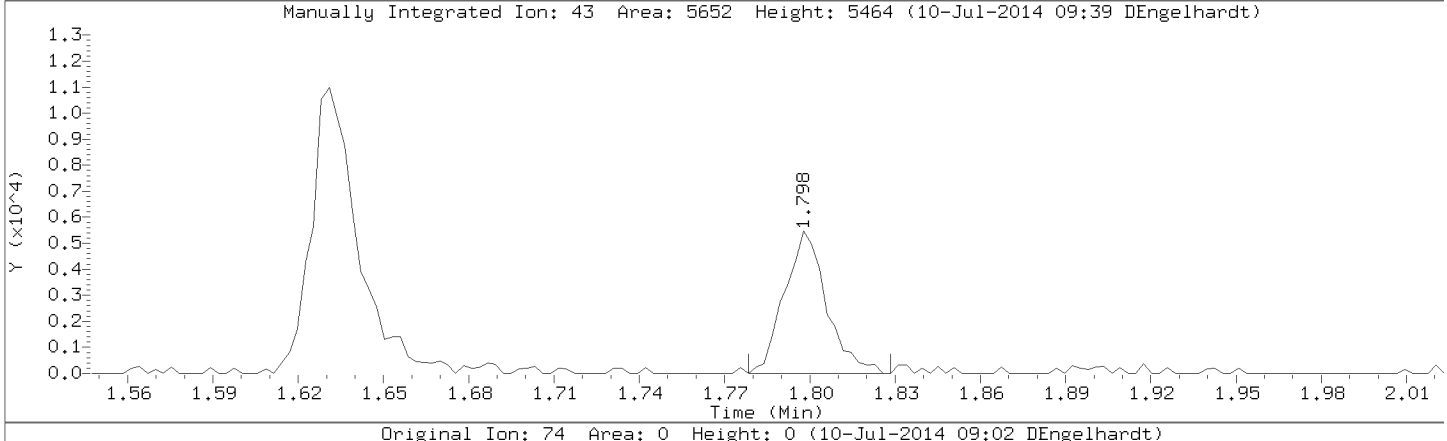
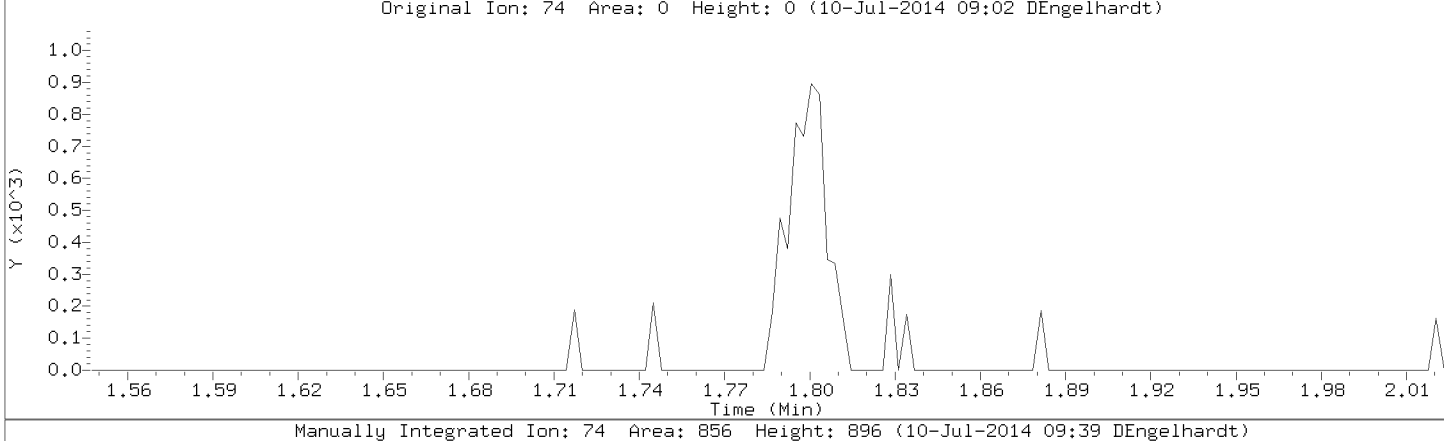
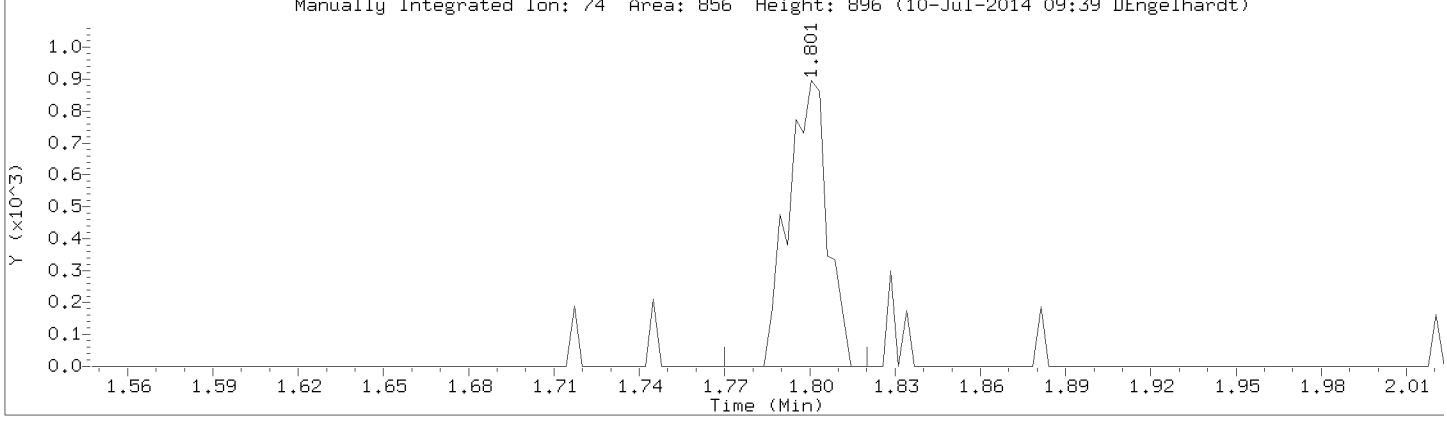
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Methyl Acetate
CAS Number: 79-20-9









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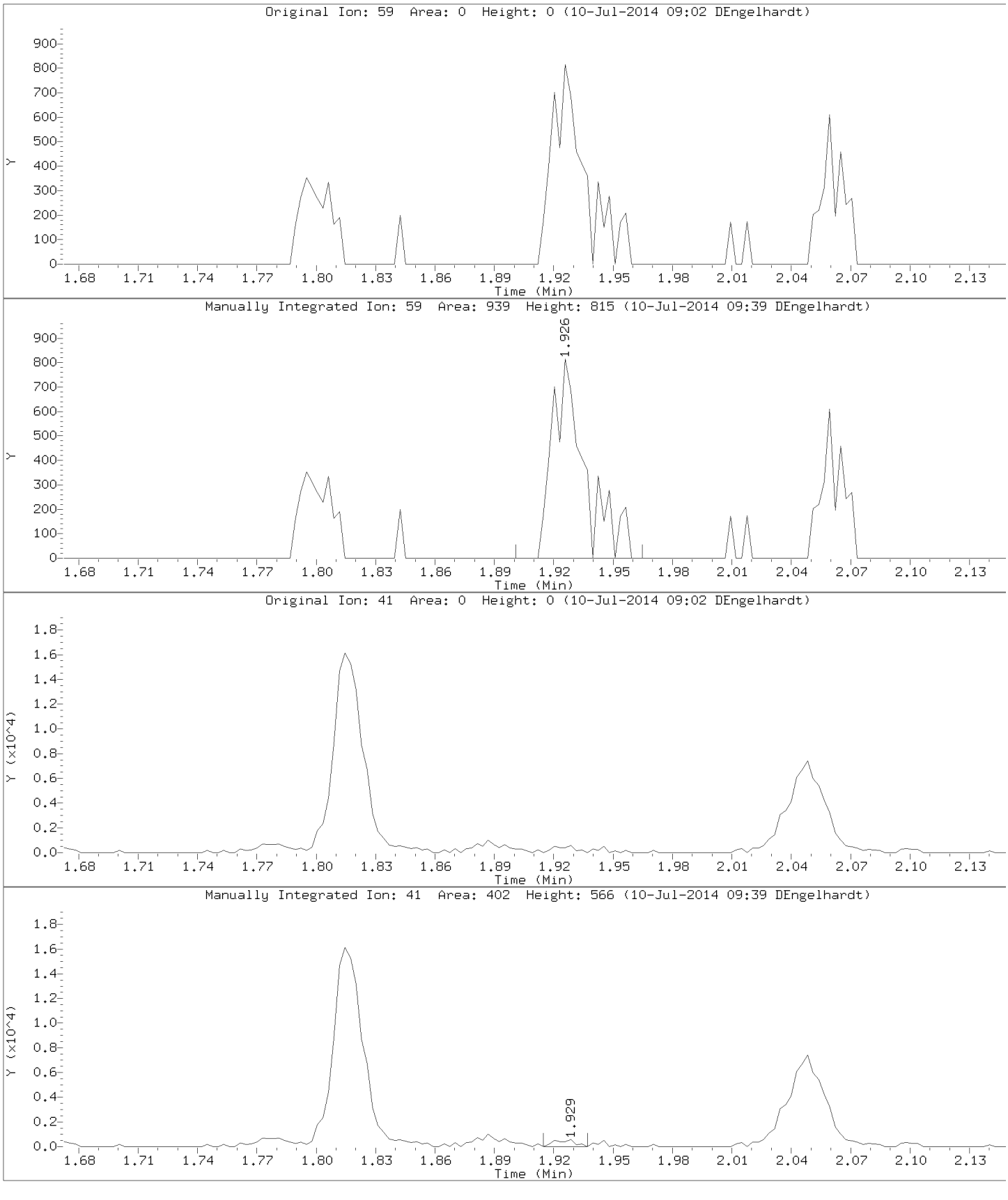
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

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



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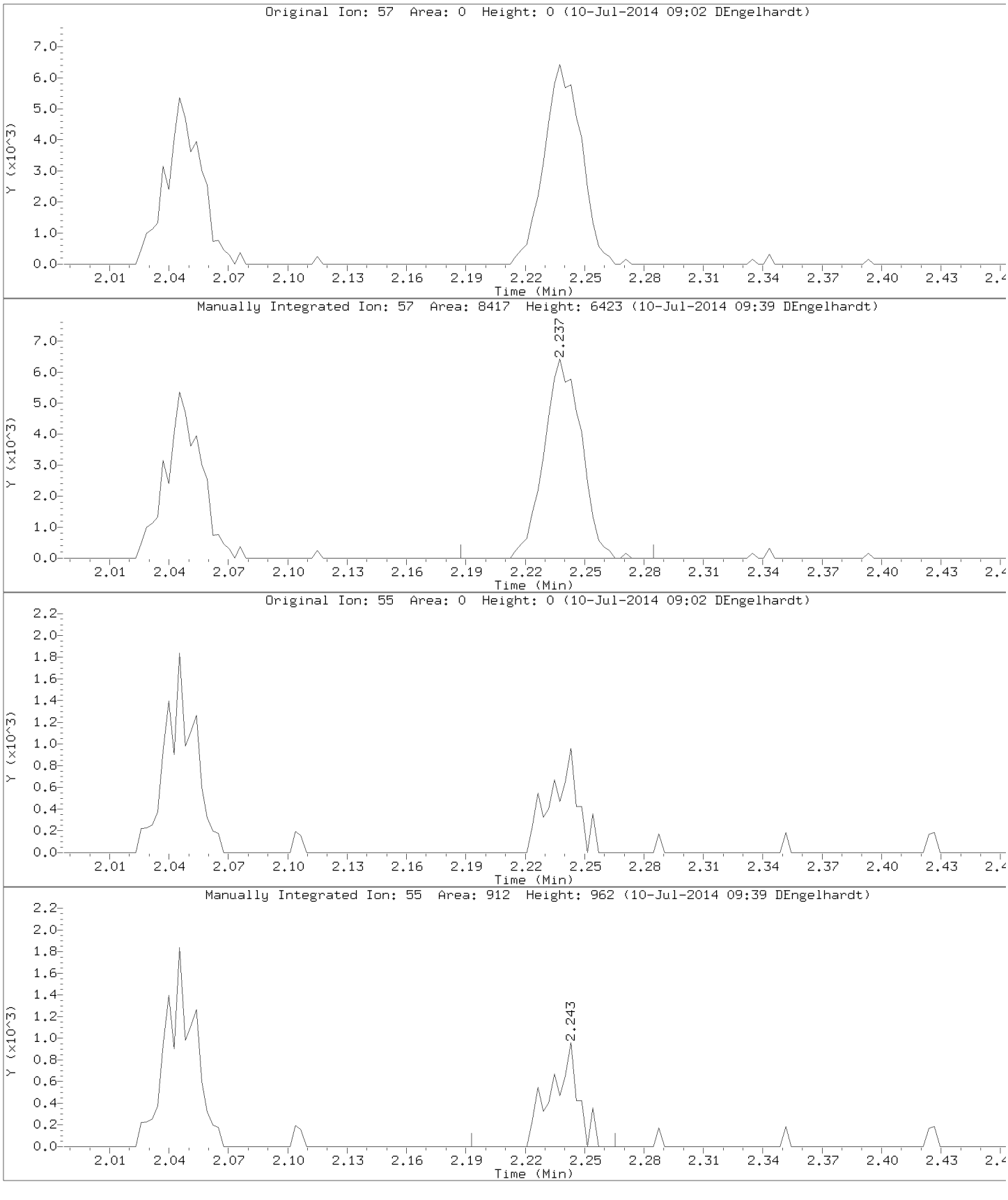
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: n-Hexane
CAS Number:



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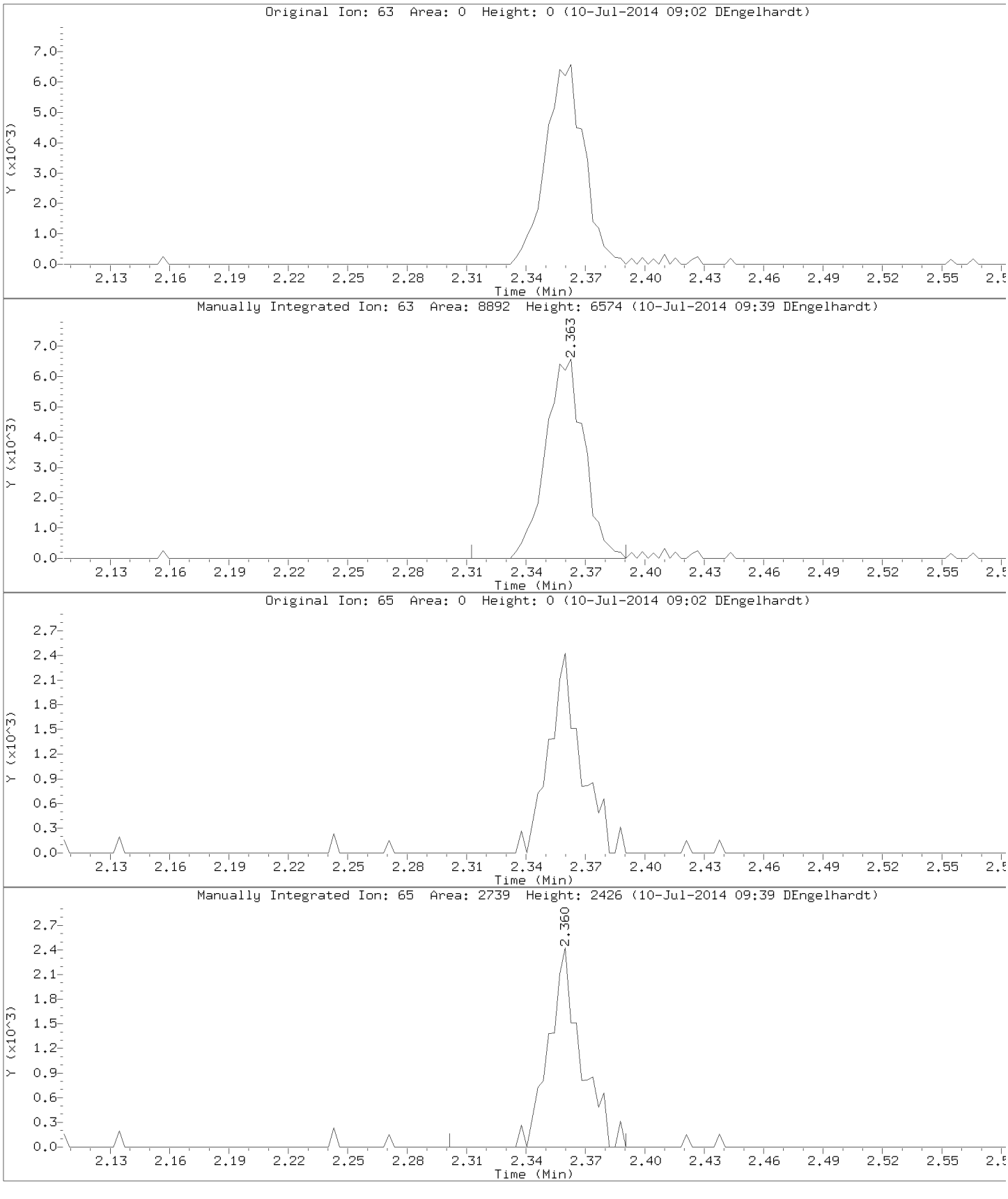
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,1-Dichloroethane
CAS Number: 75-34-3



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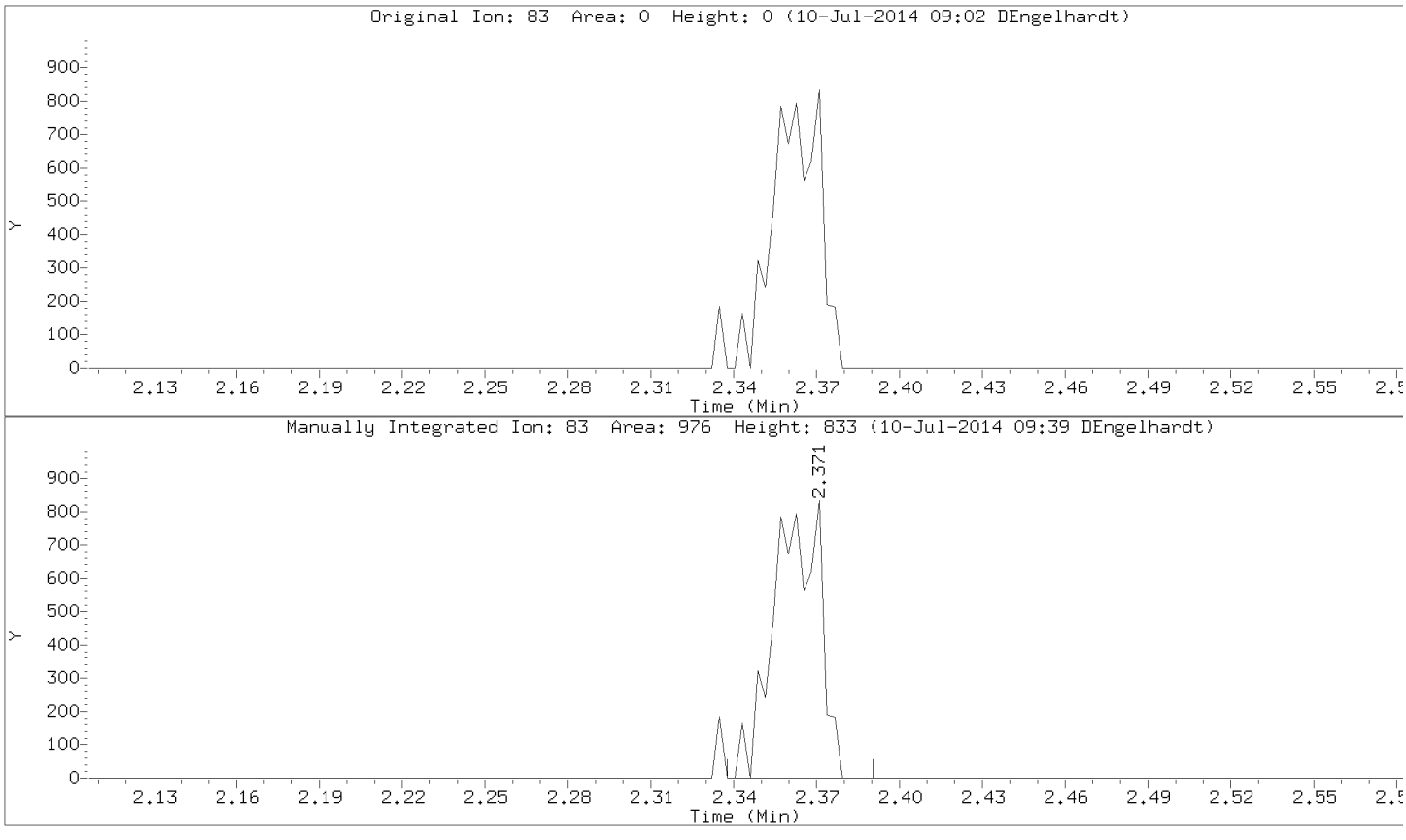
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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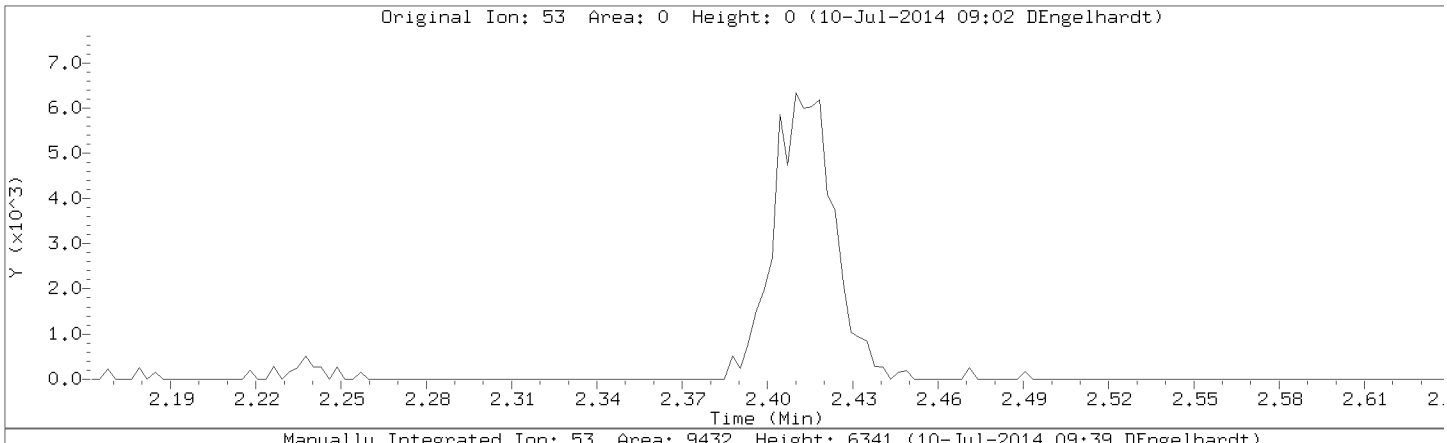
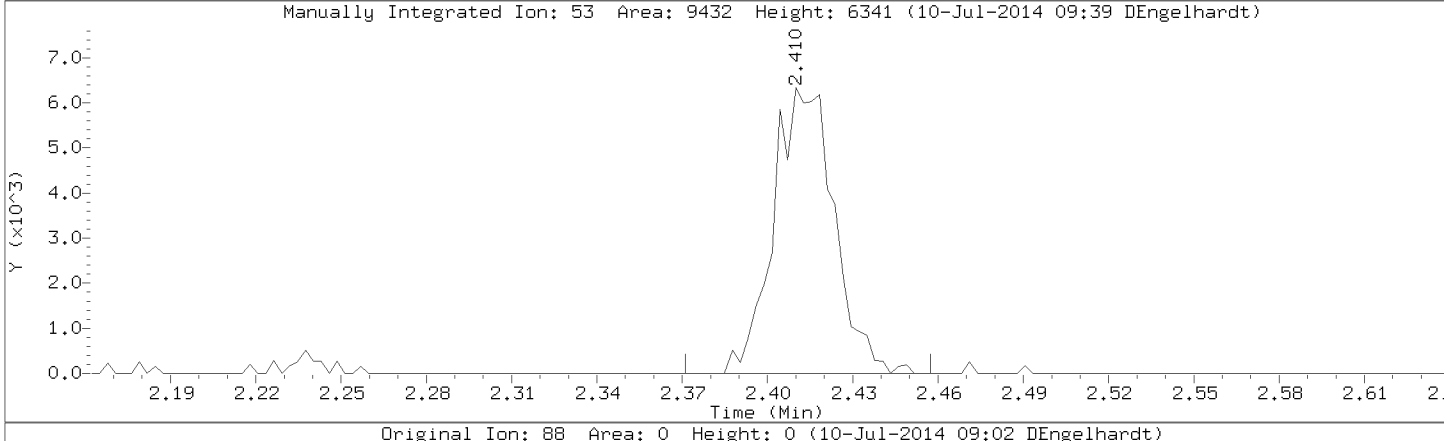
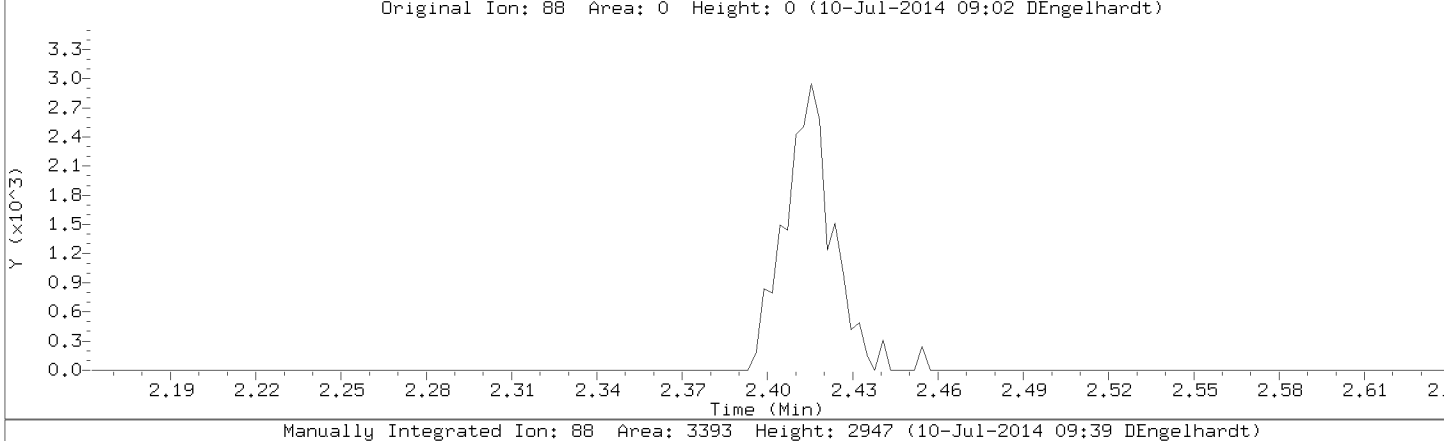
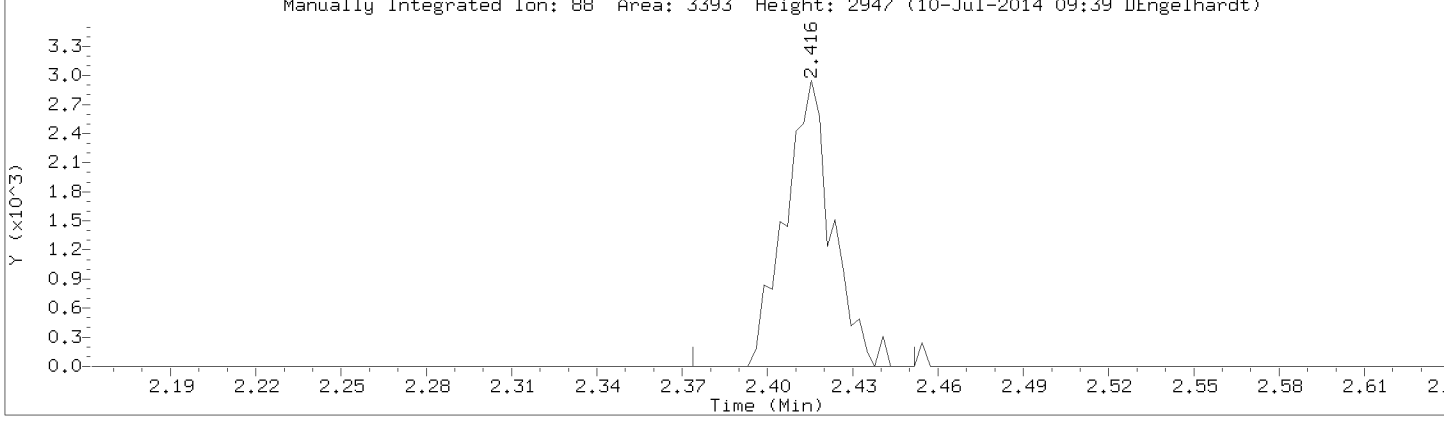
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Chloroprene
CAS Number: 126-99-8









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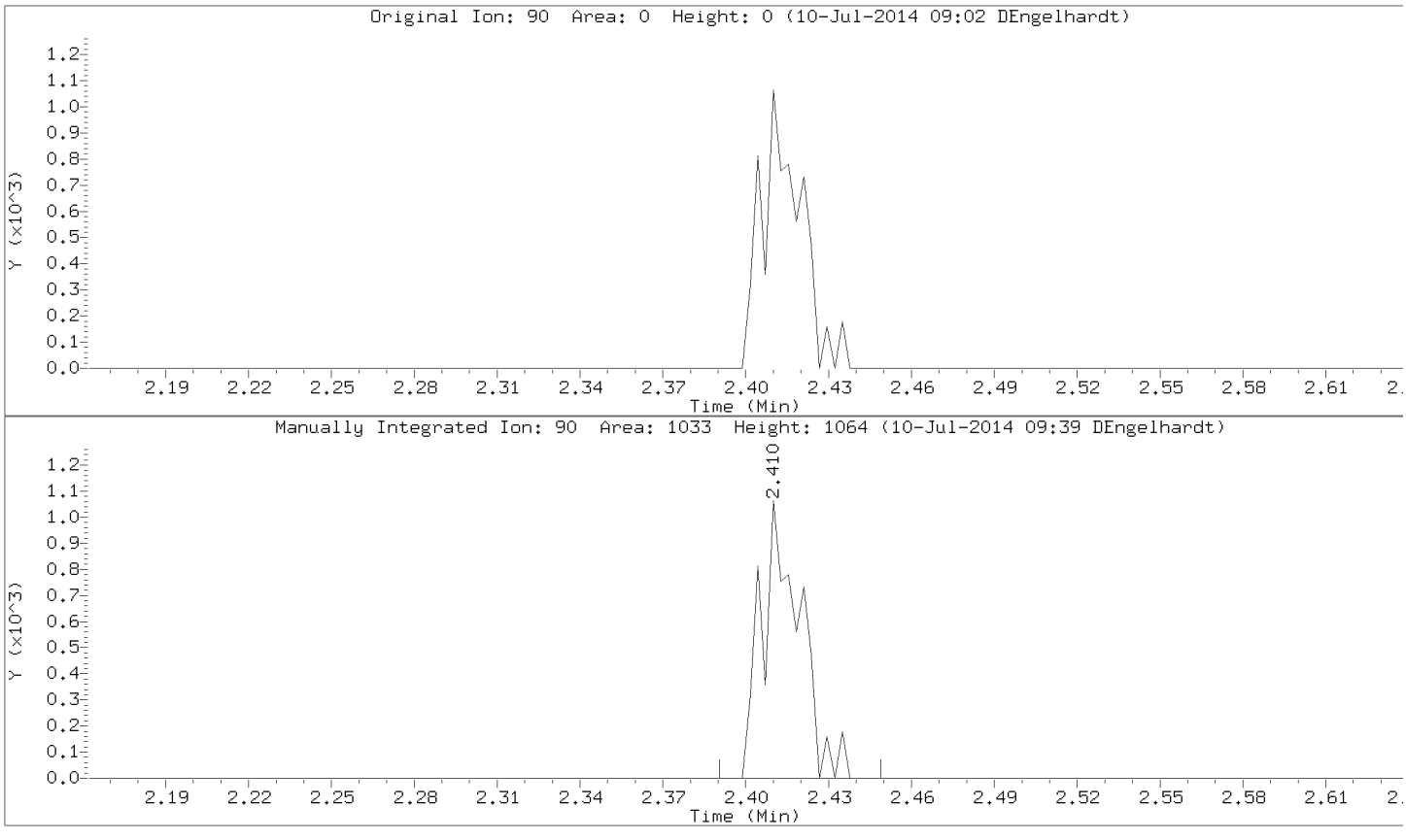
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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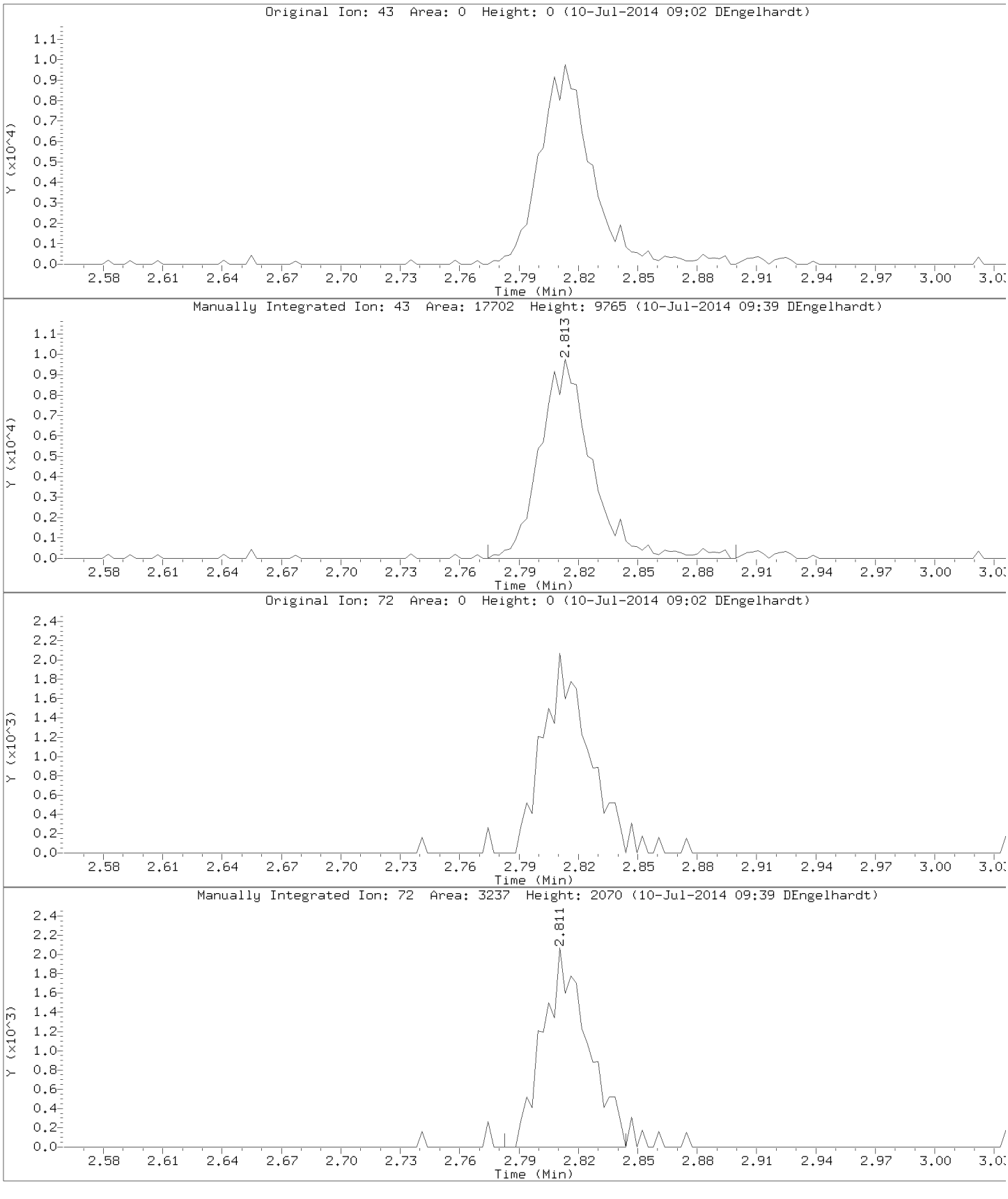
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

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



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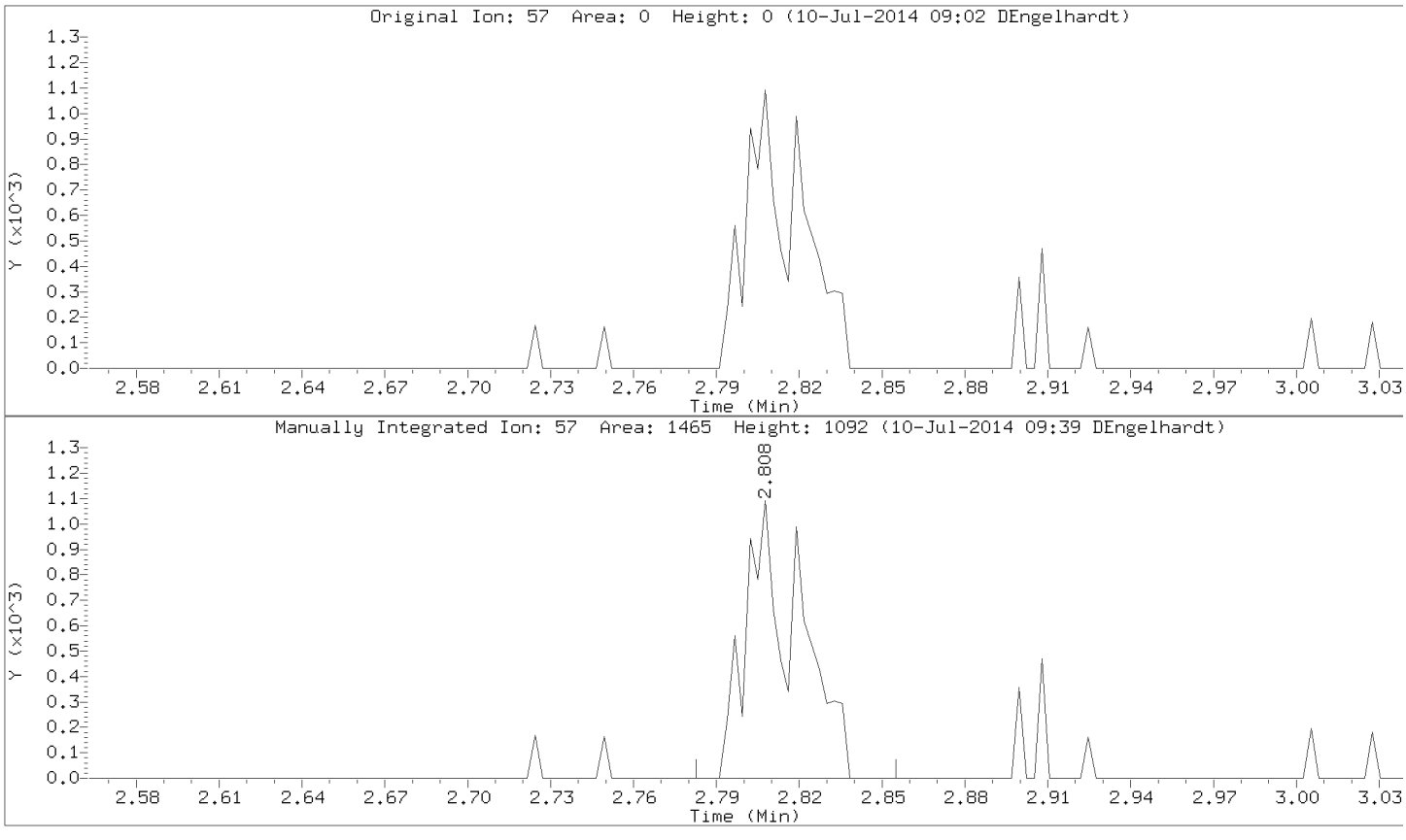

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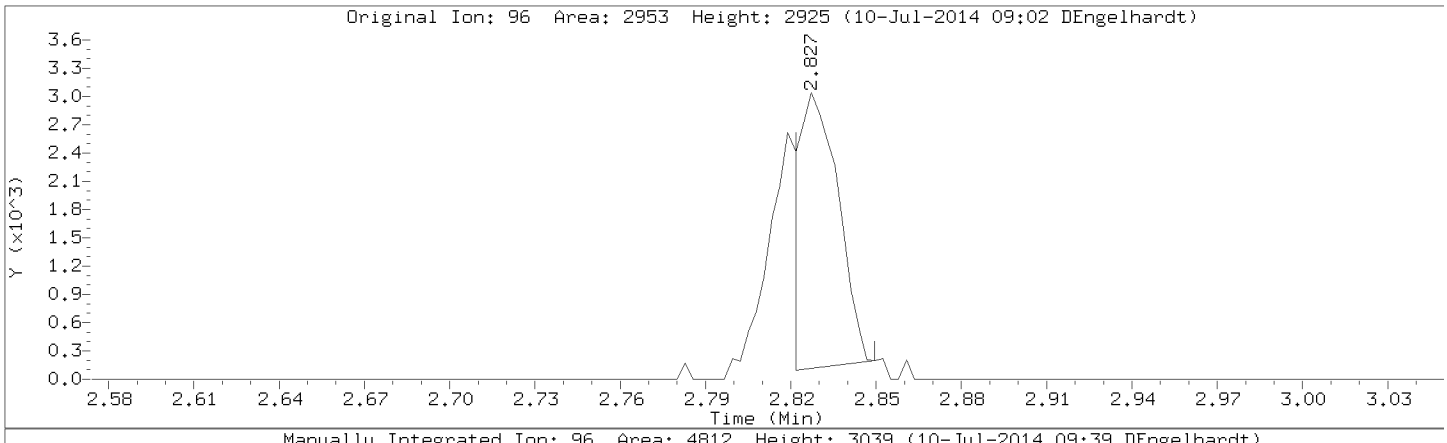
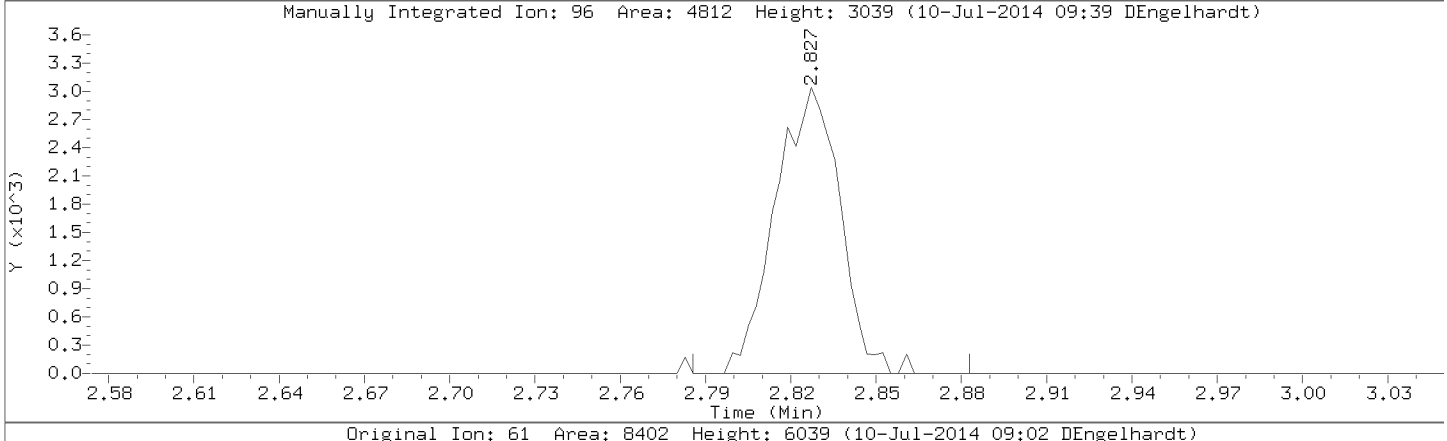
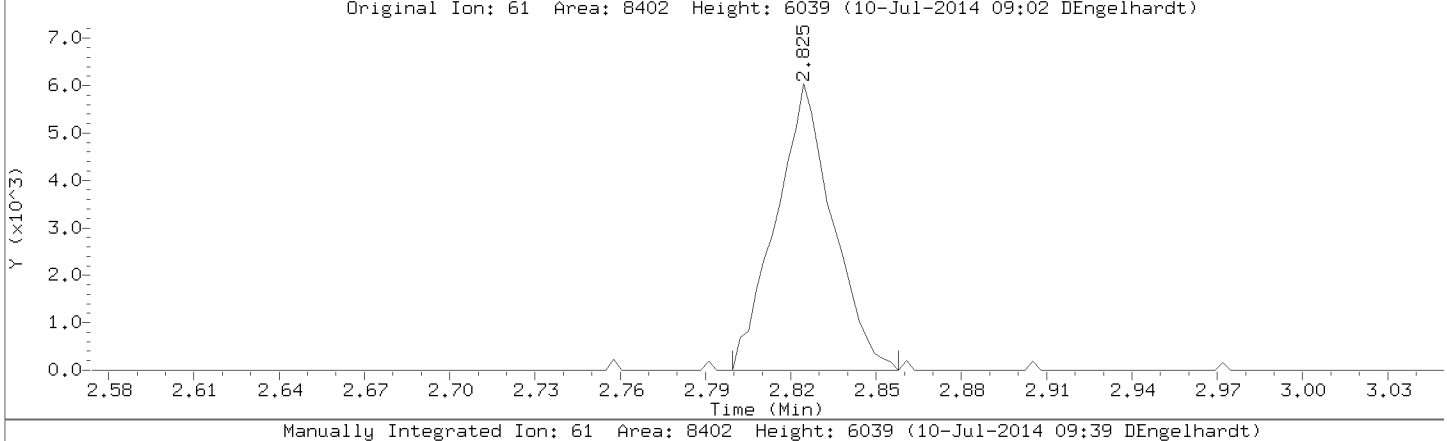
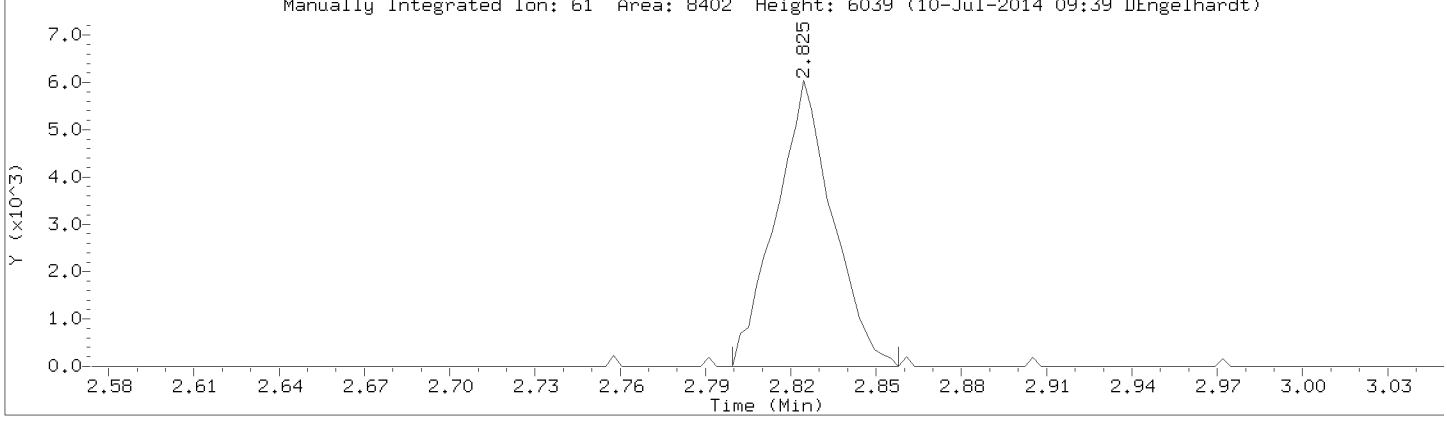
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,2-Dichloroethene (cis)
CAS Number: 156-59-2









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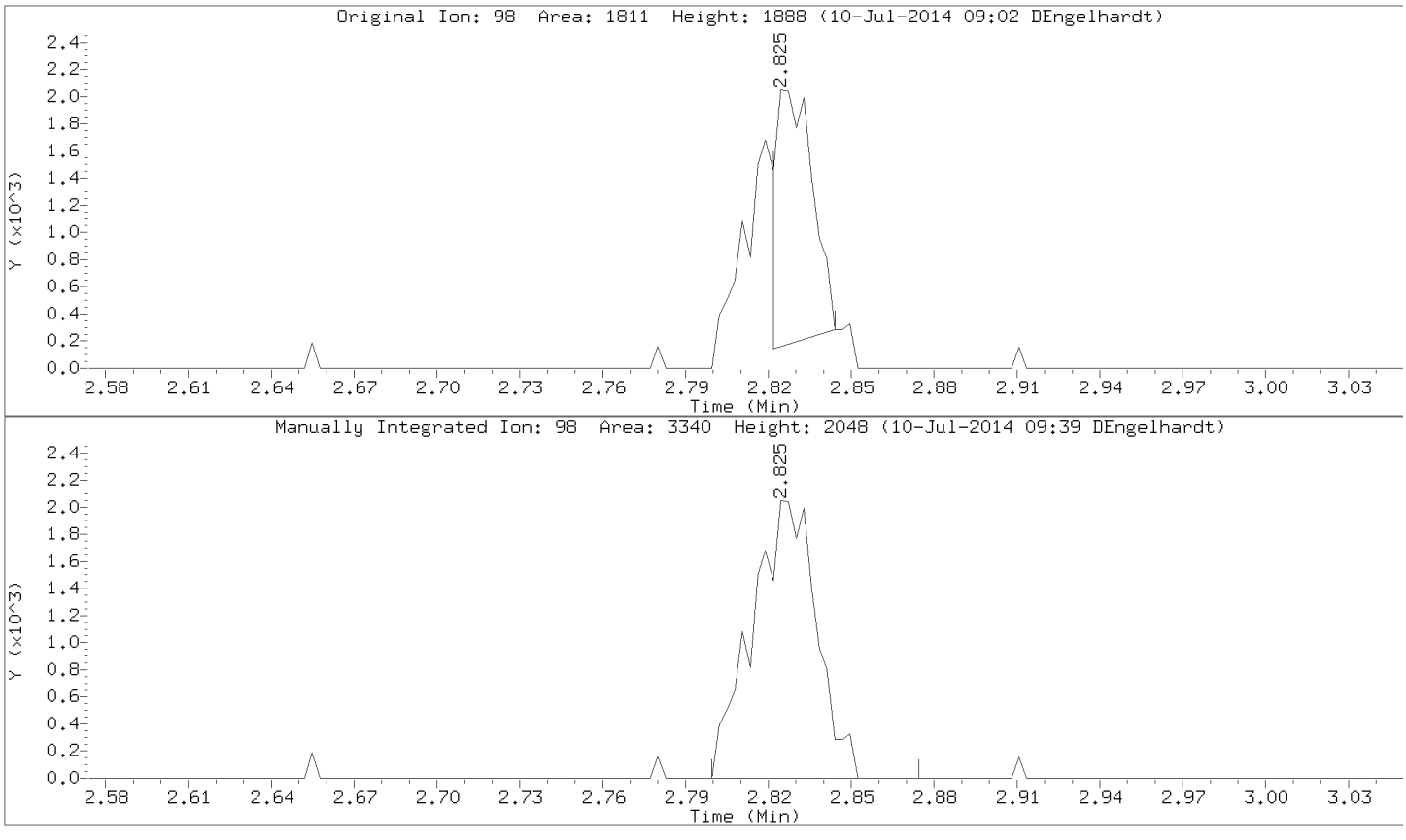

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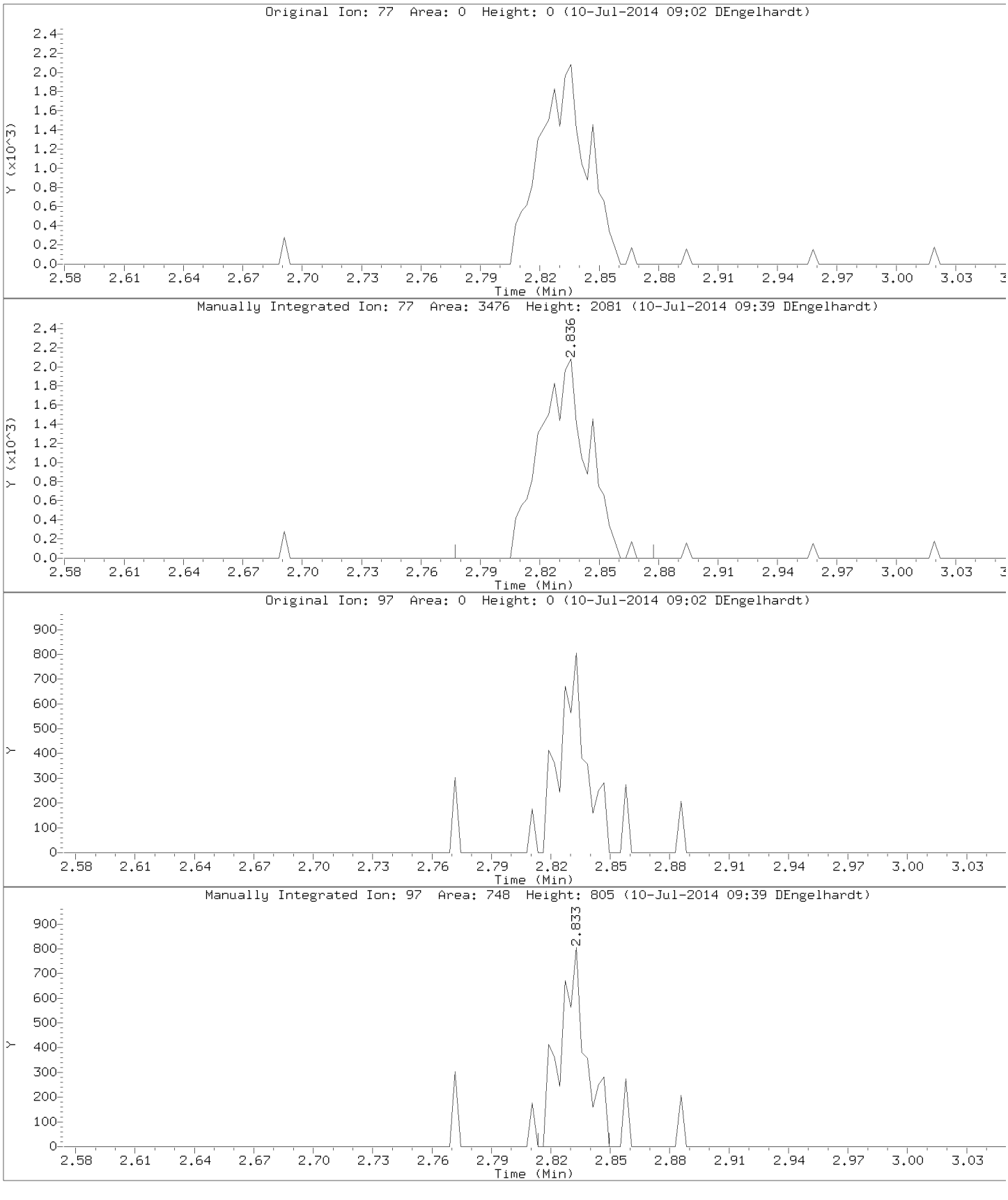
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7



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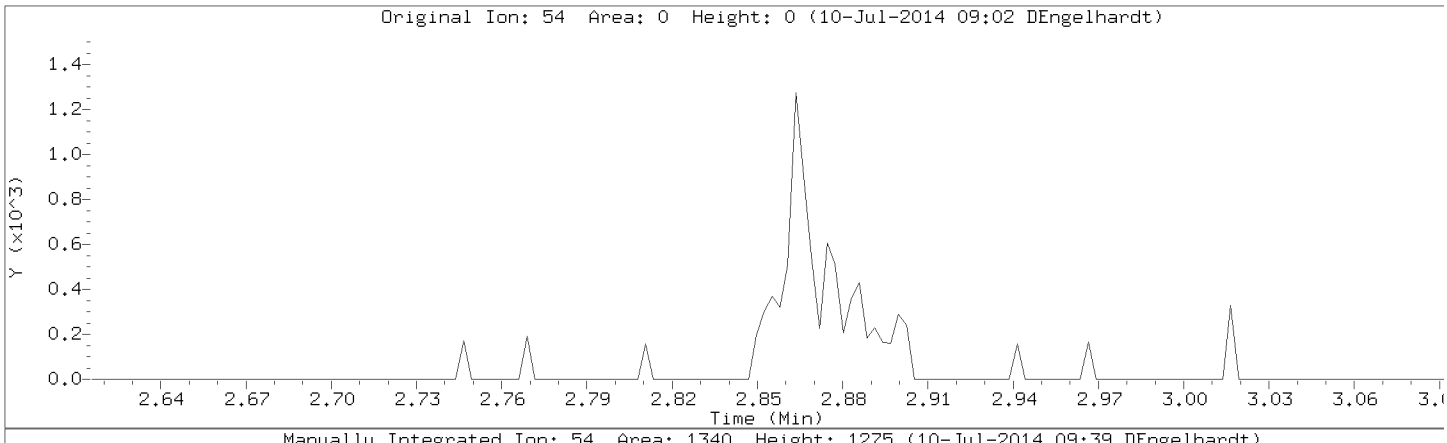
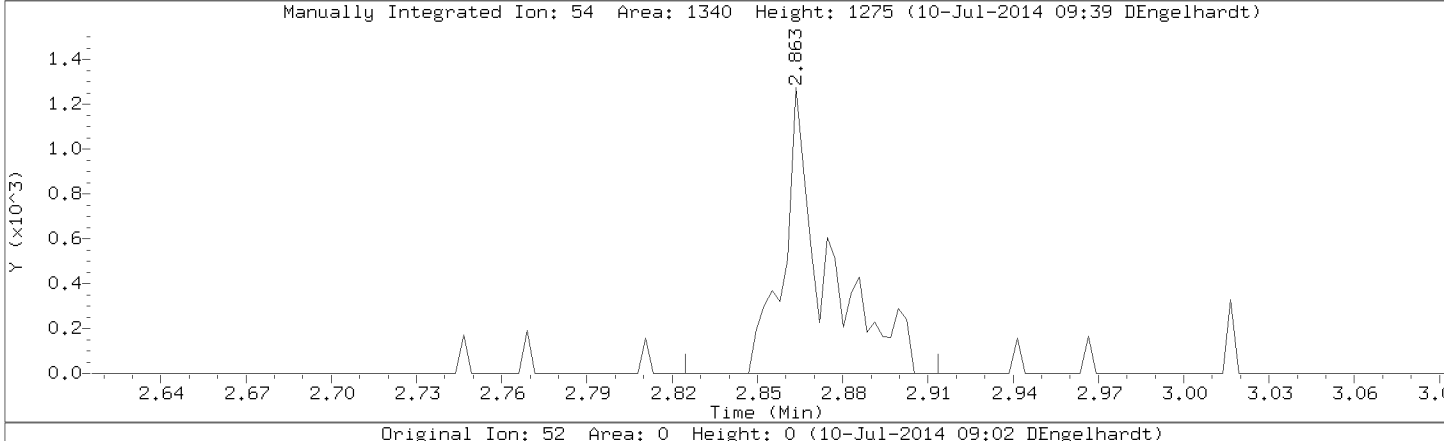
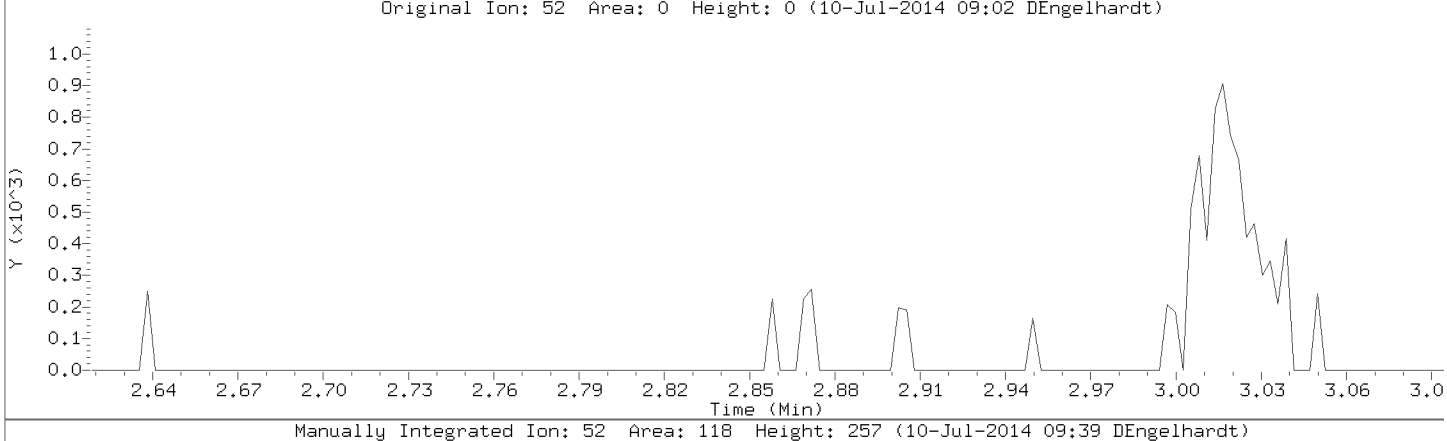
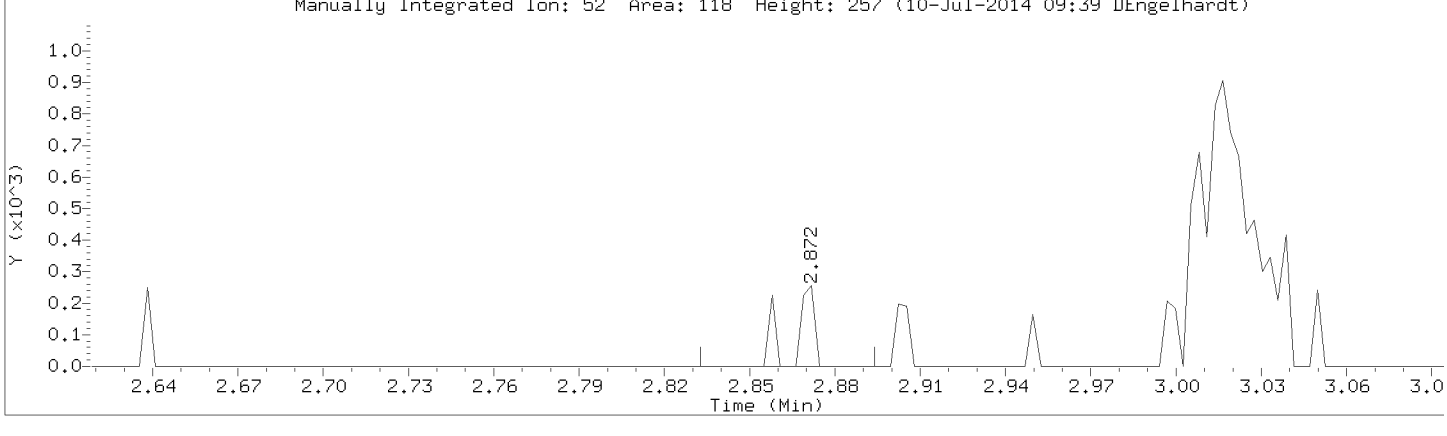
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Propionitrile
CAS Number: 107-12-0









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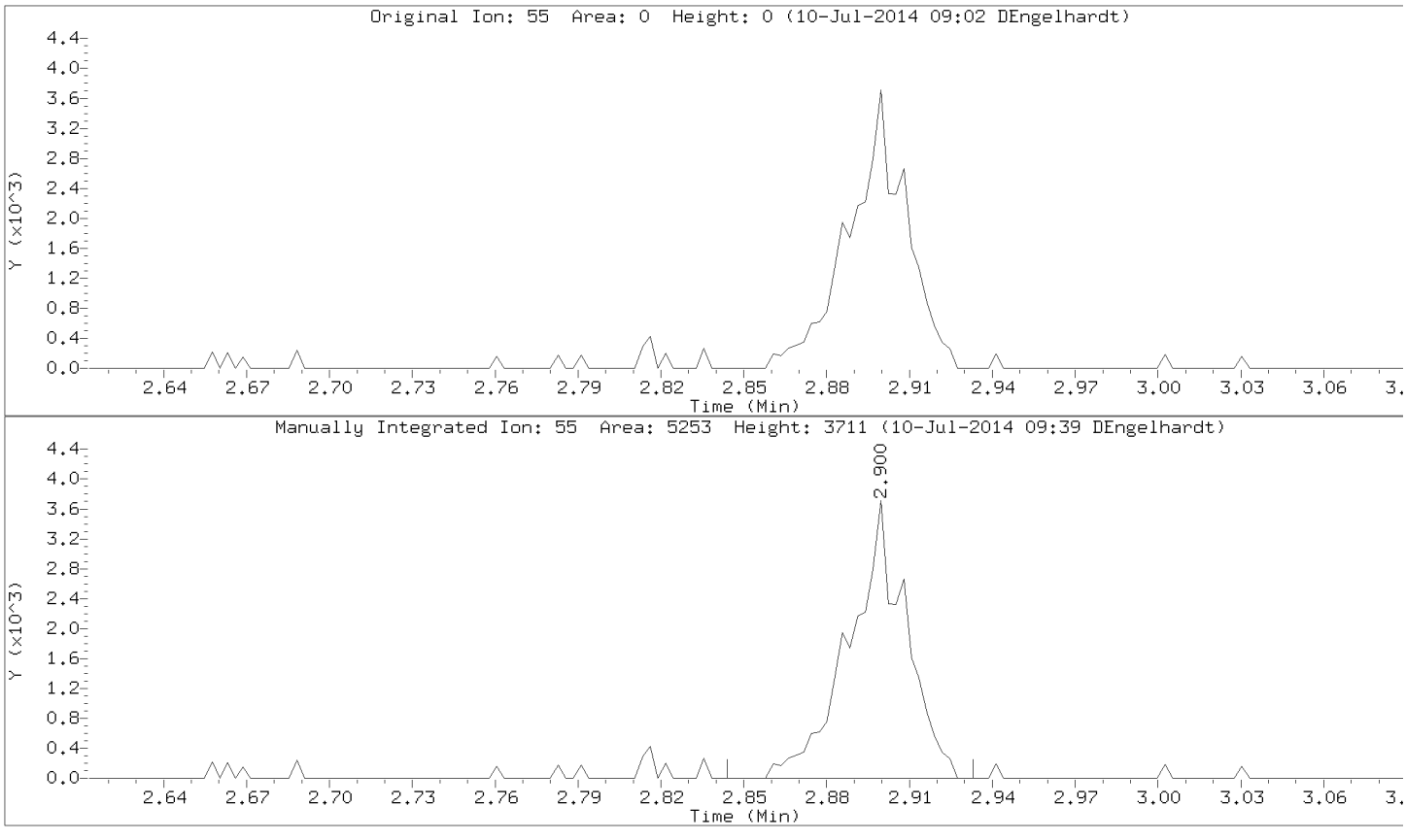
Lab Sample ID: 8260-CAL3,72089:0



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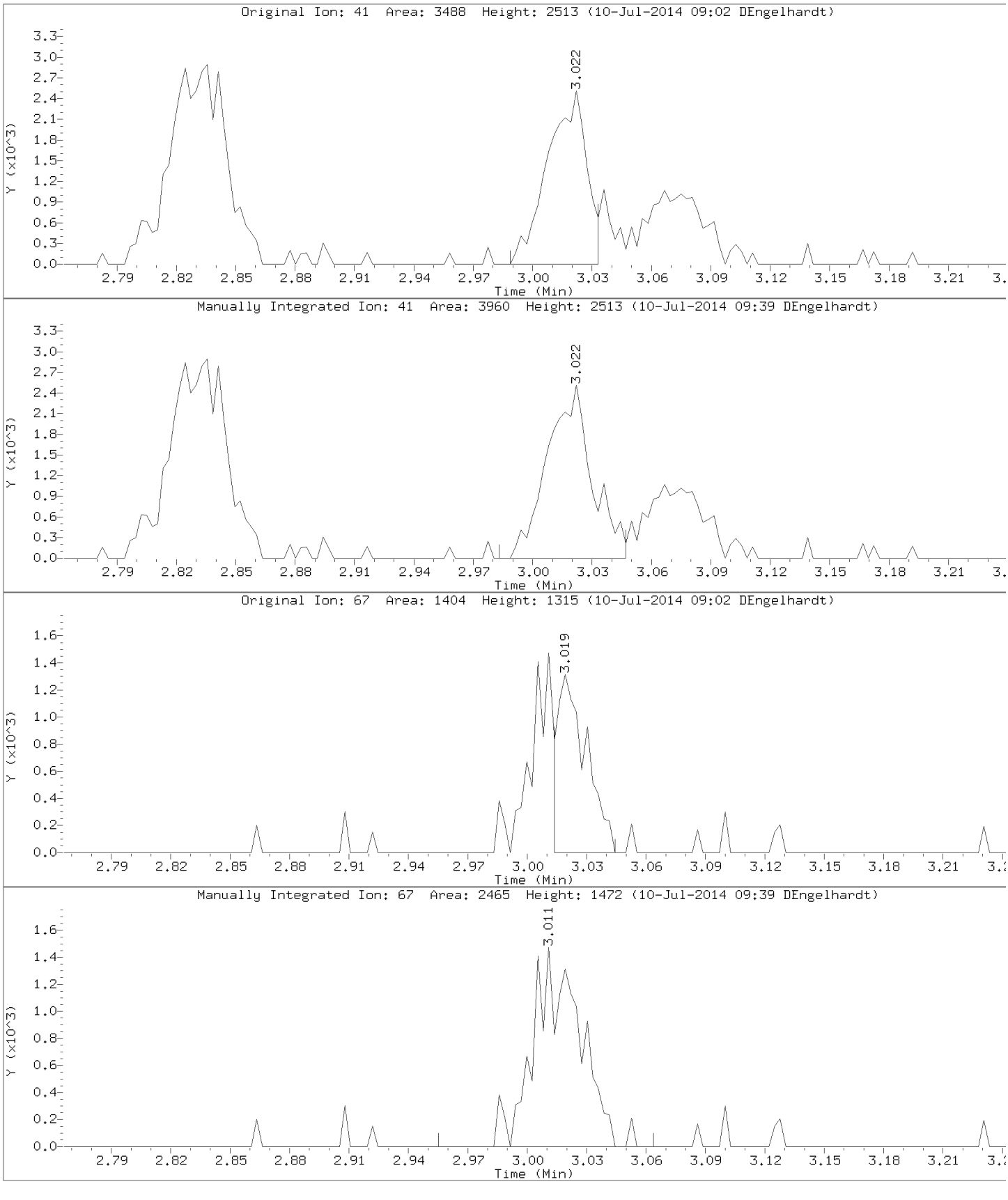
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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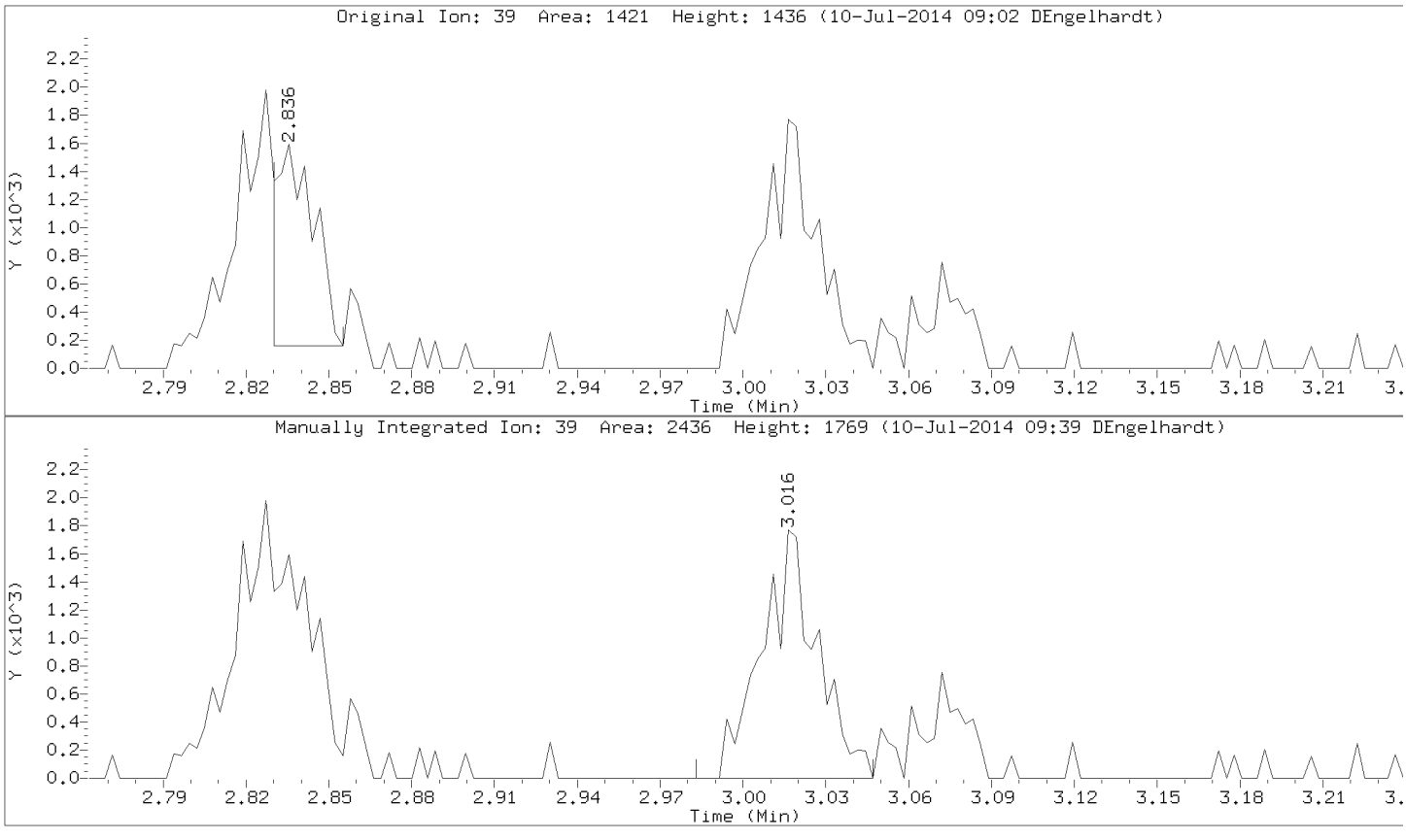
Lab Sample ID: 8260-CAL3,72089:0



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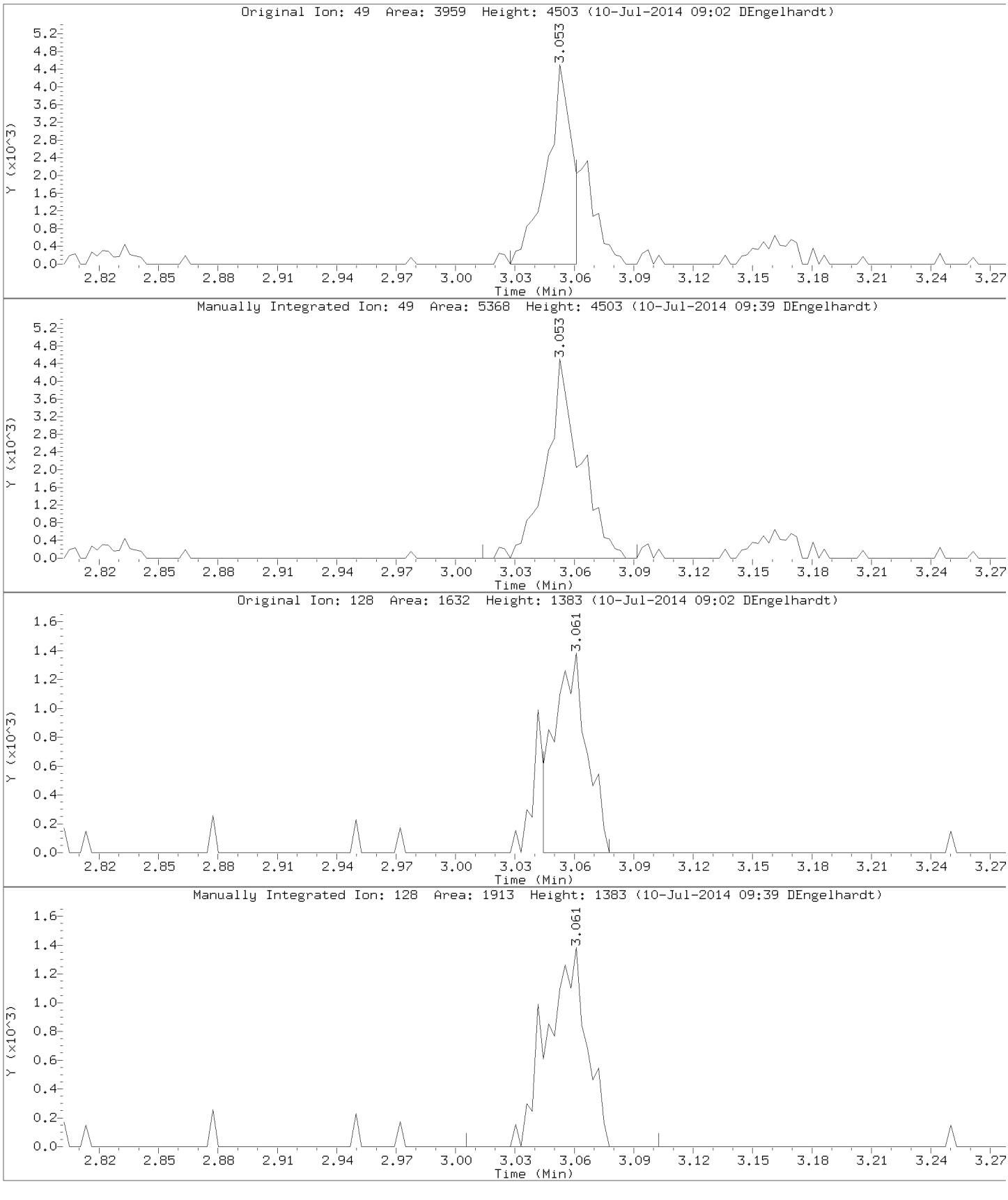
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Bromochloromethane
CAS Number: 74-97-5



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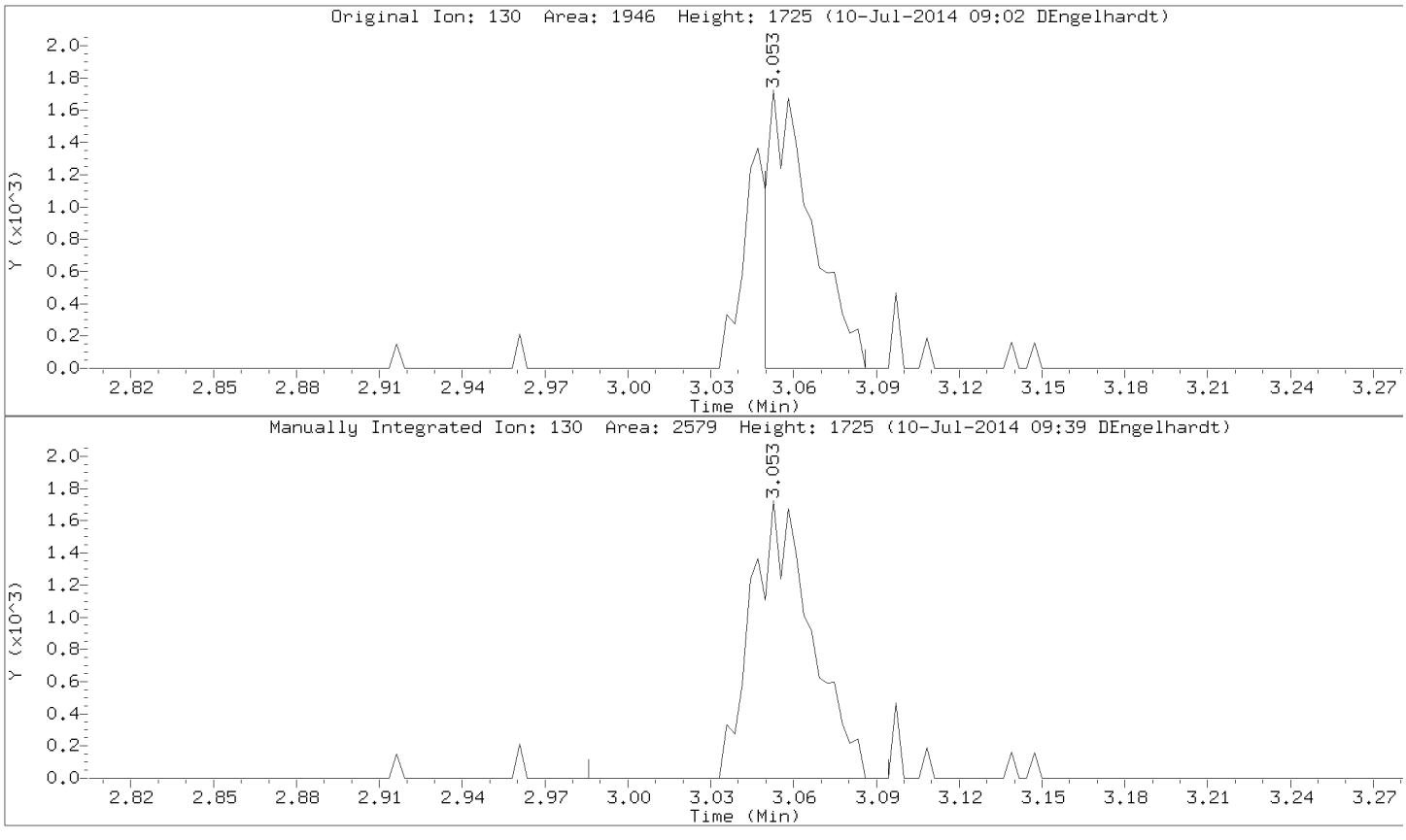

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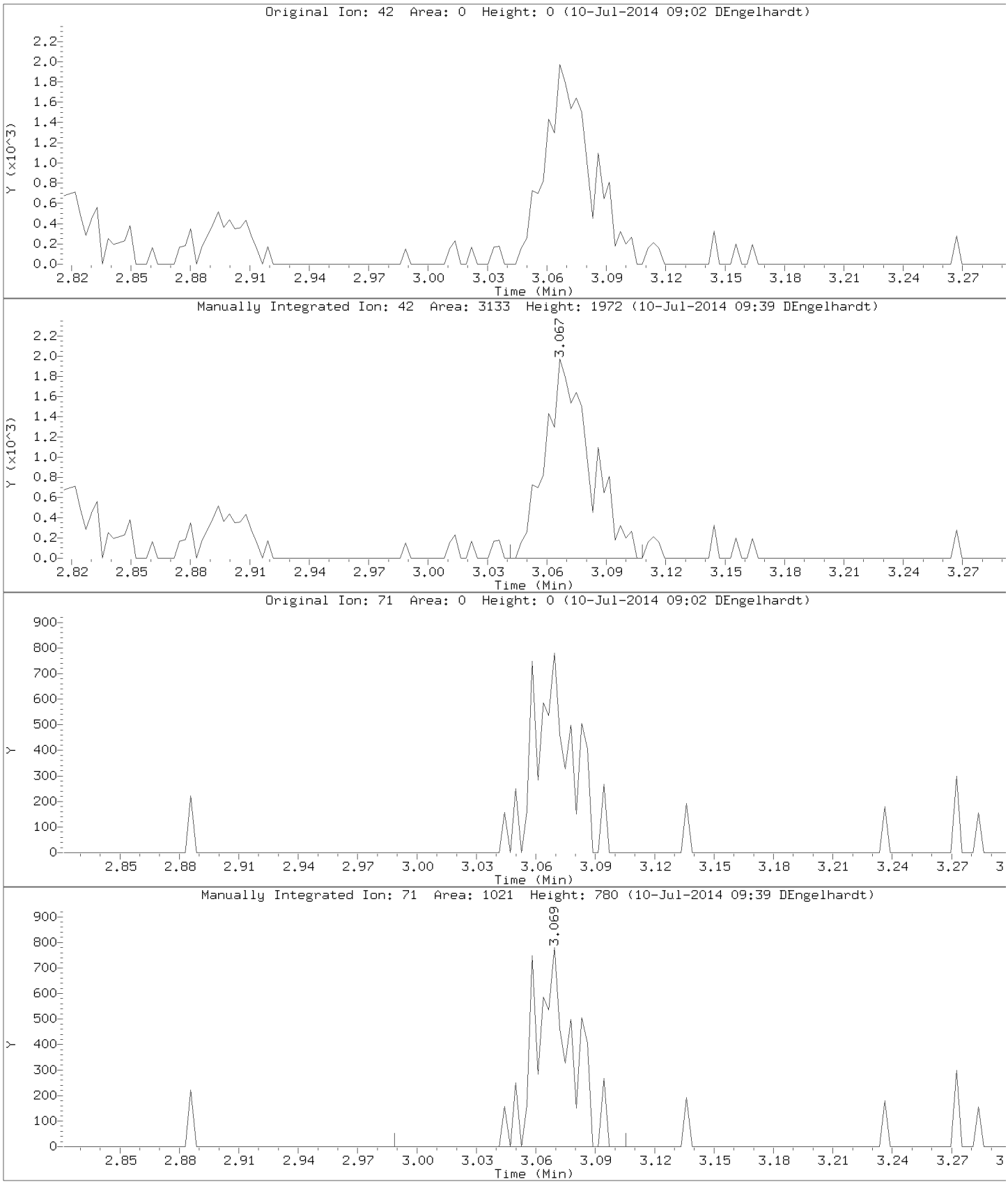
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Tetrahydrofuran
CAS Number:



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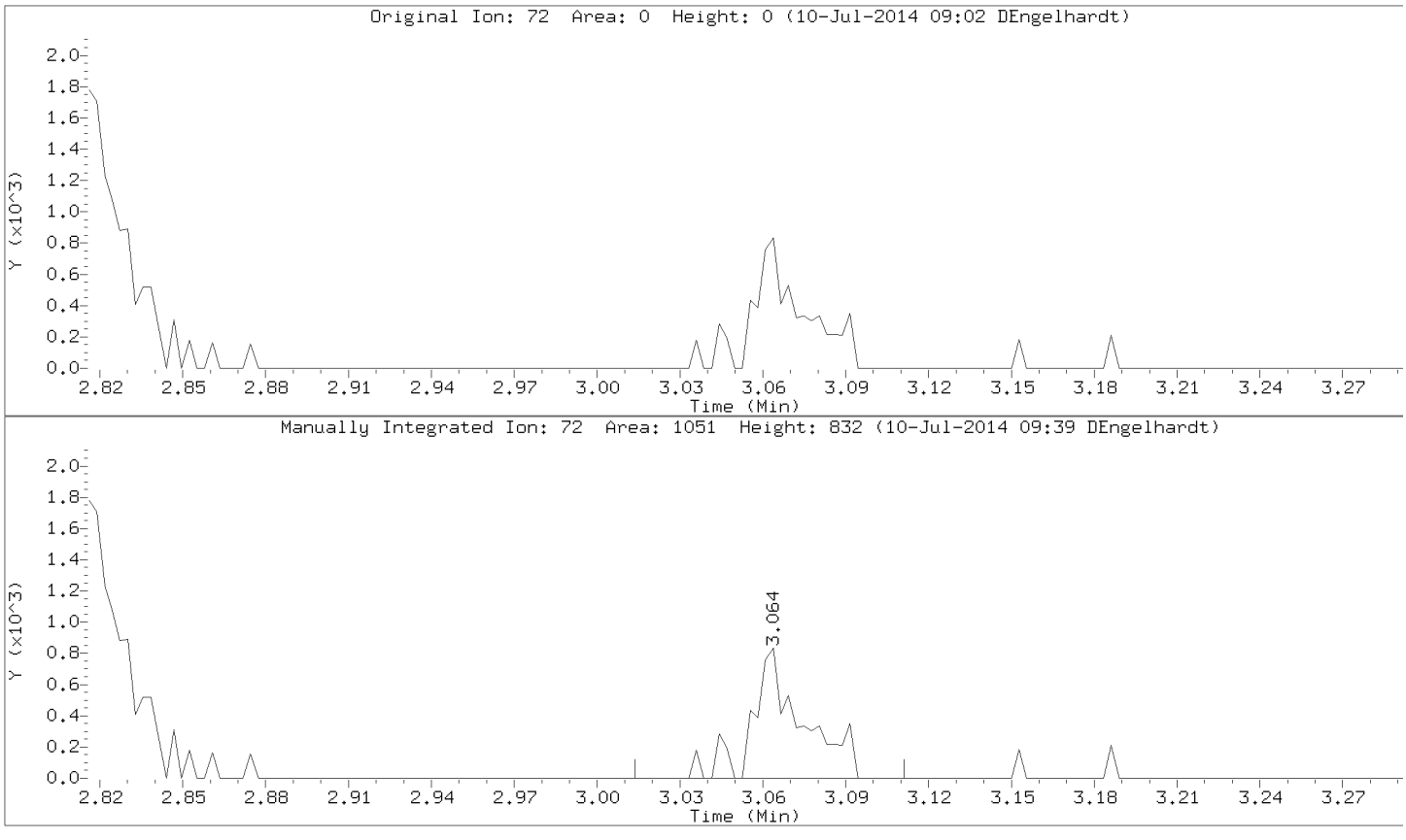

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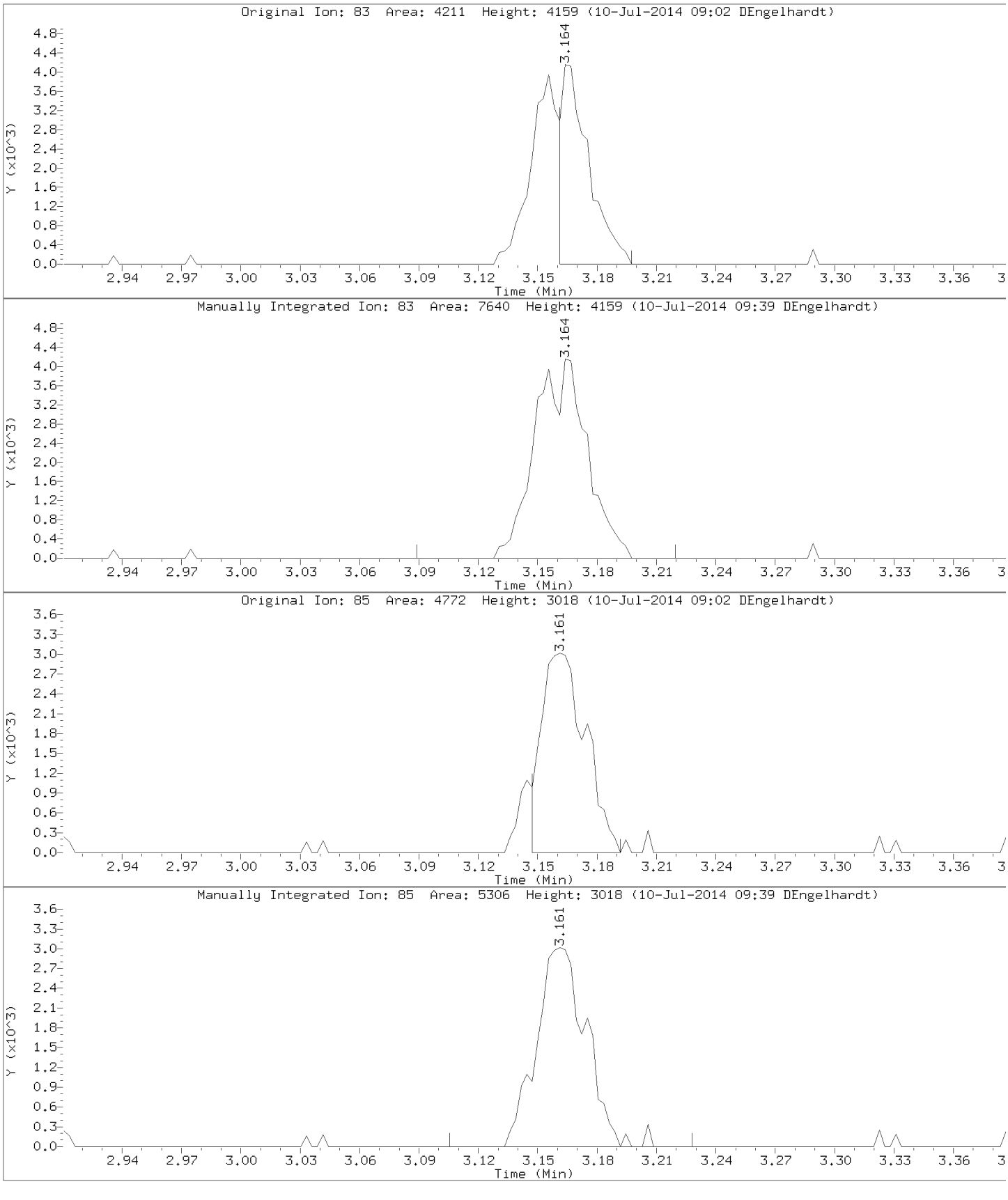
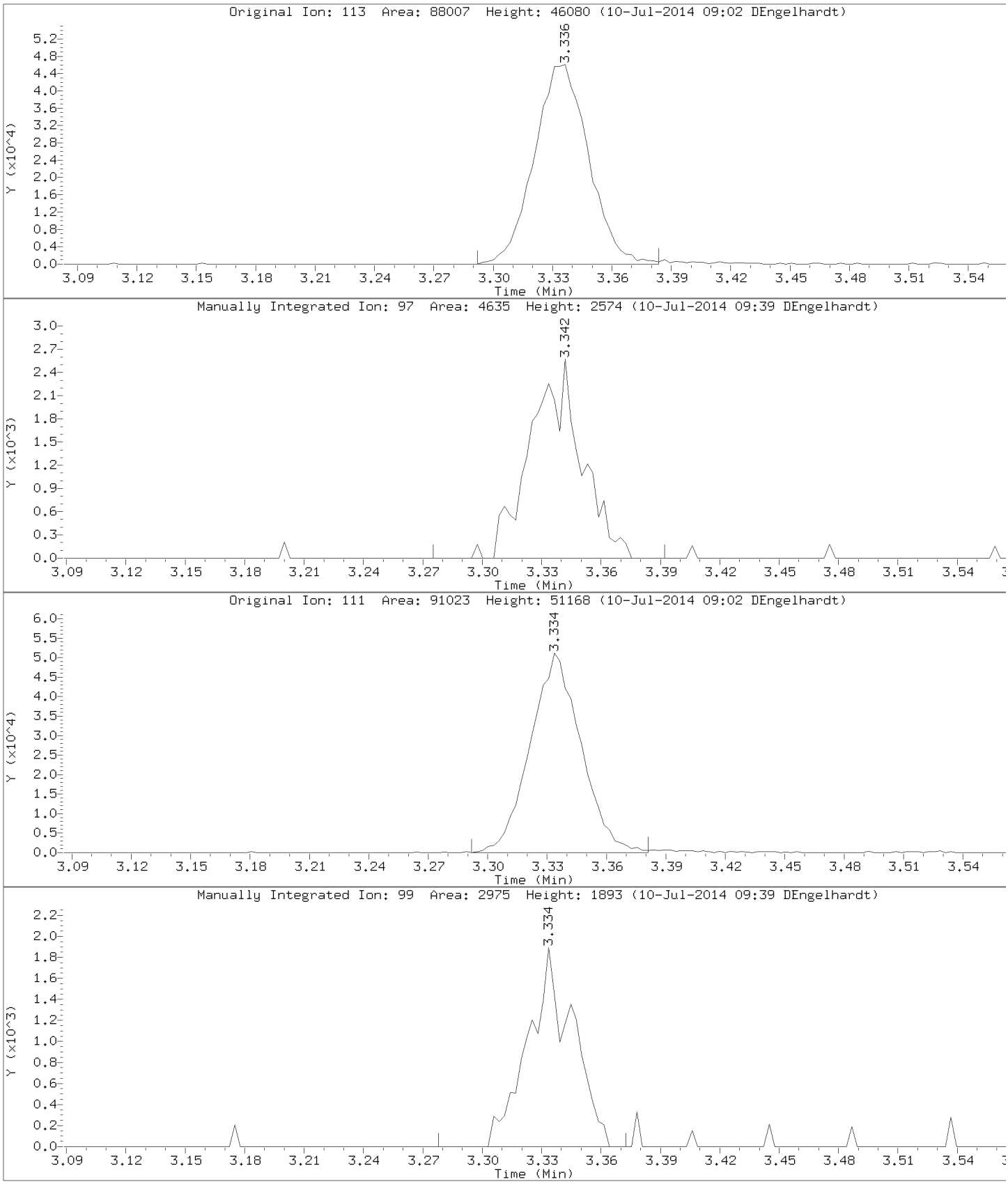
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Chloroform
CAS Number: 67-66-3



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a08cal3.d
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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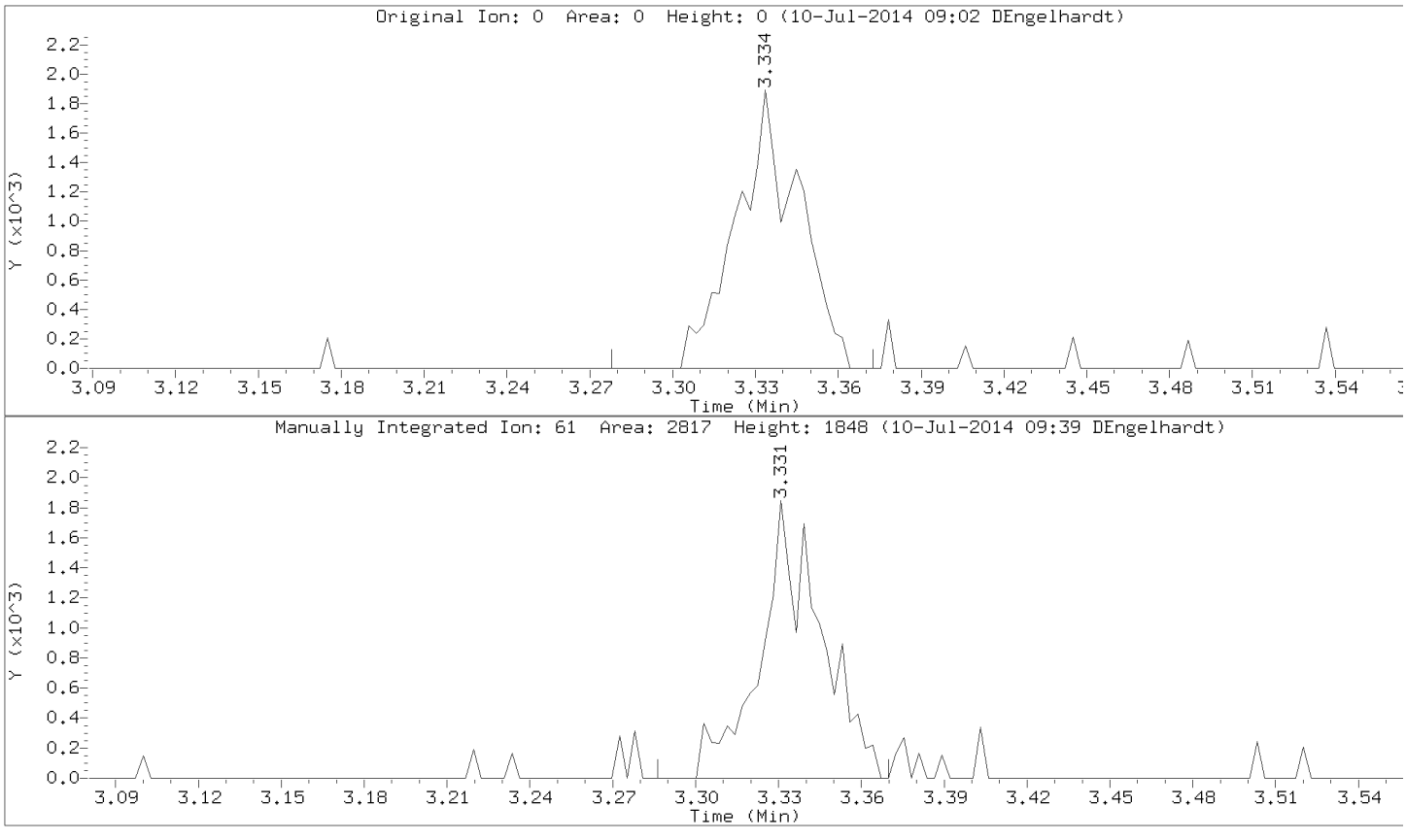
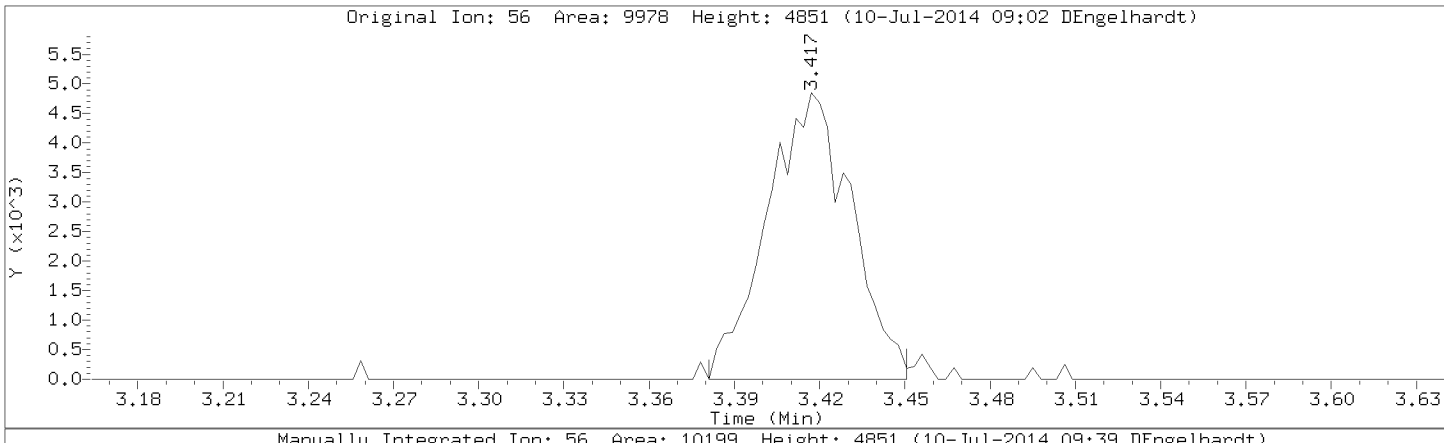
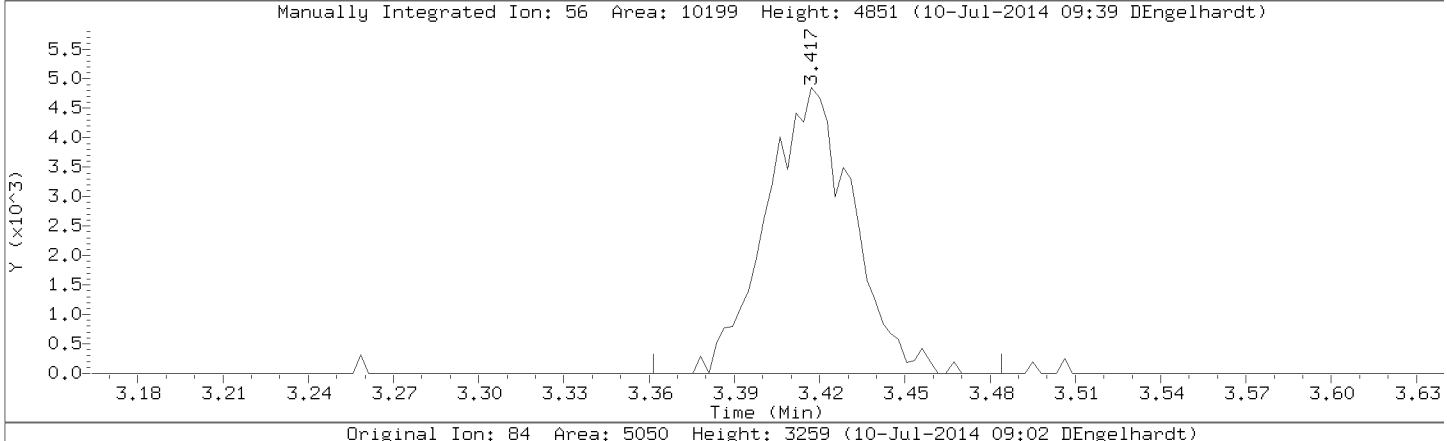
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

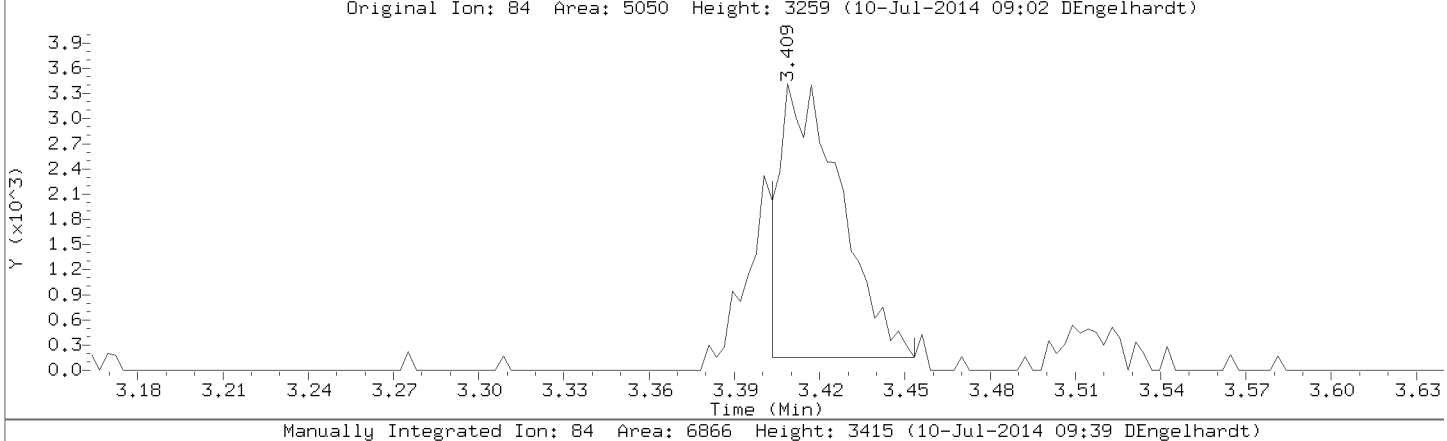


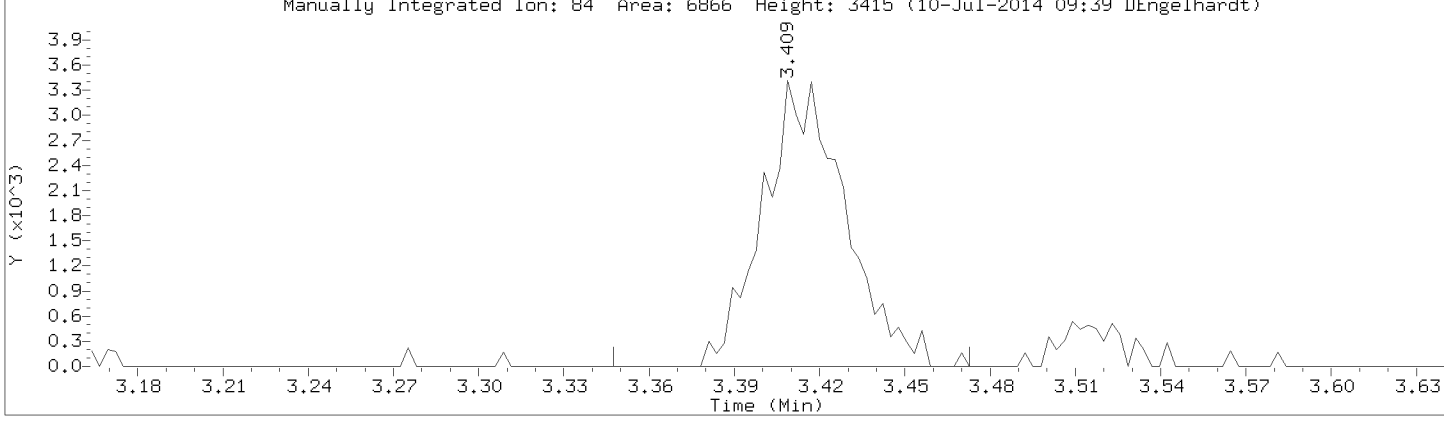
Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a08cal3.d
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: cyclohexane
CAS Number: 110-82-7









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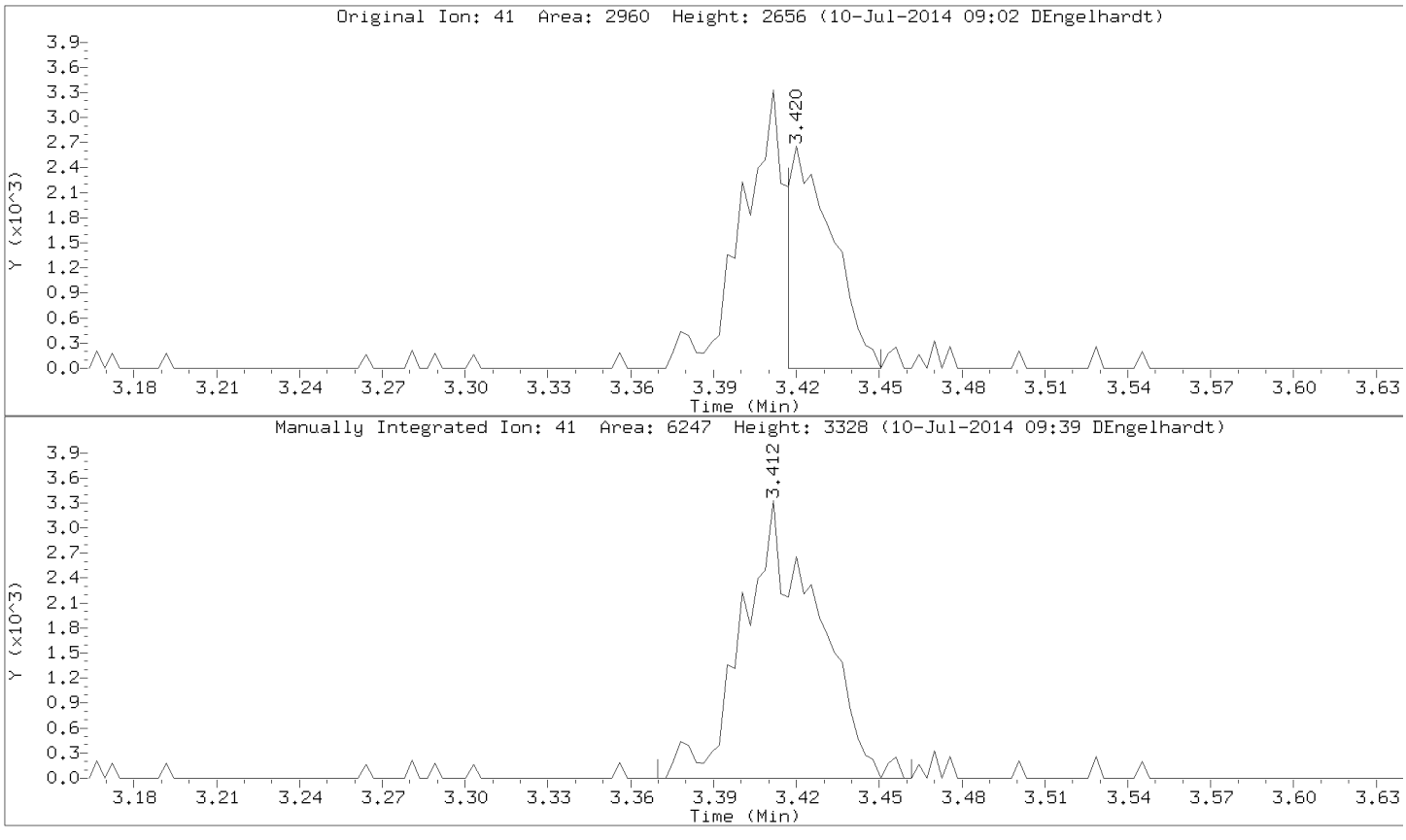
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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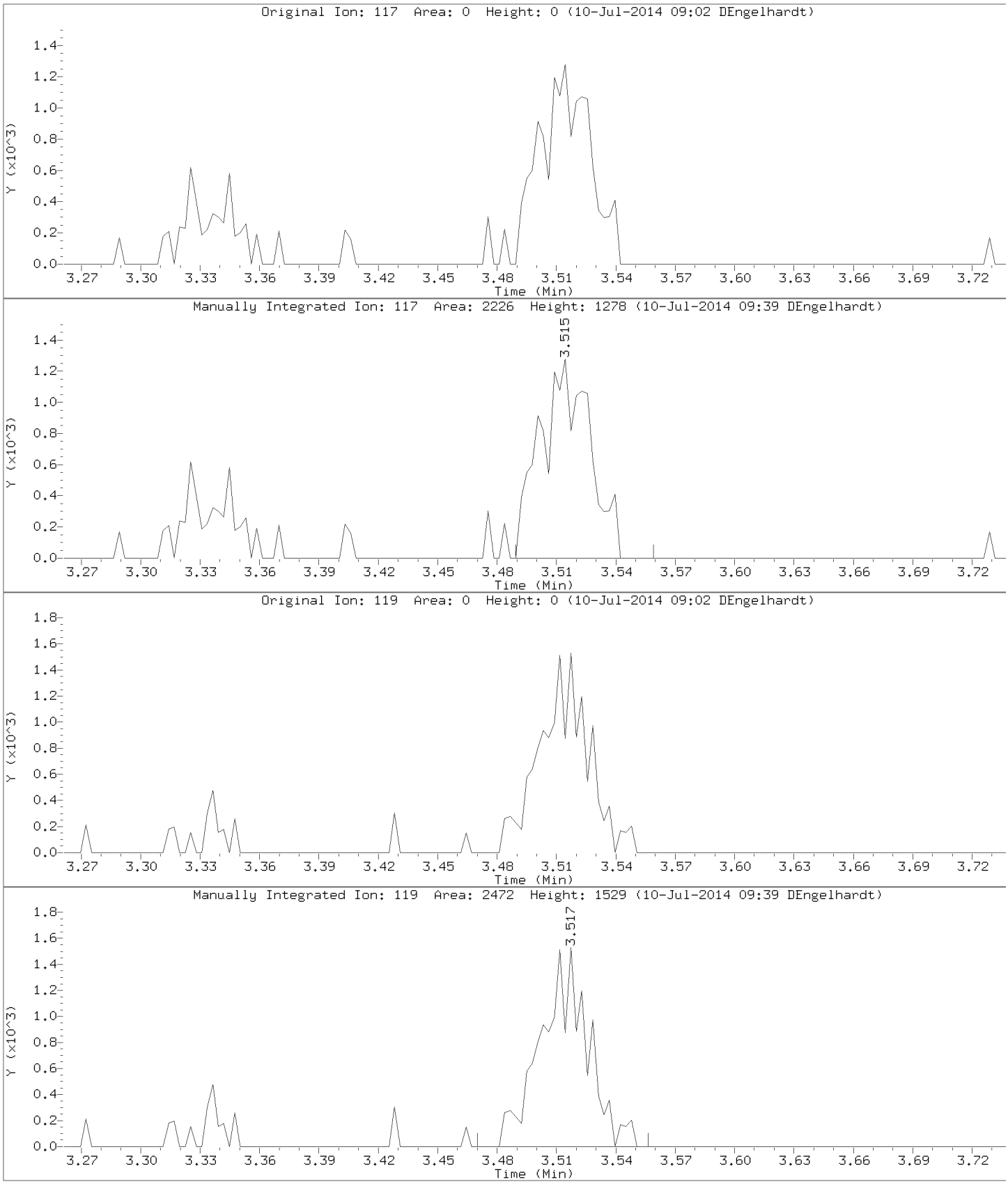
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5



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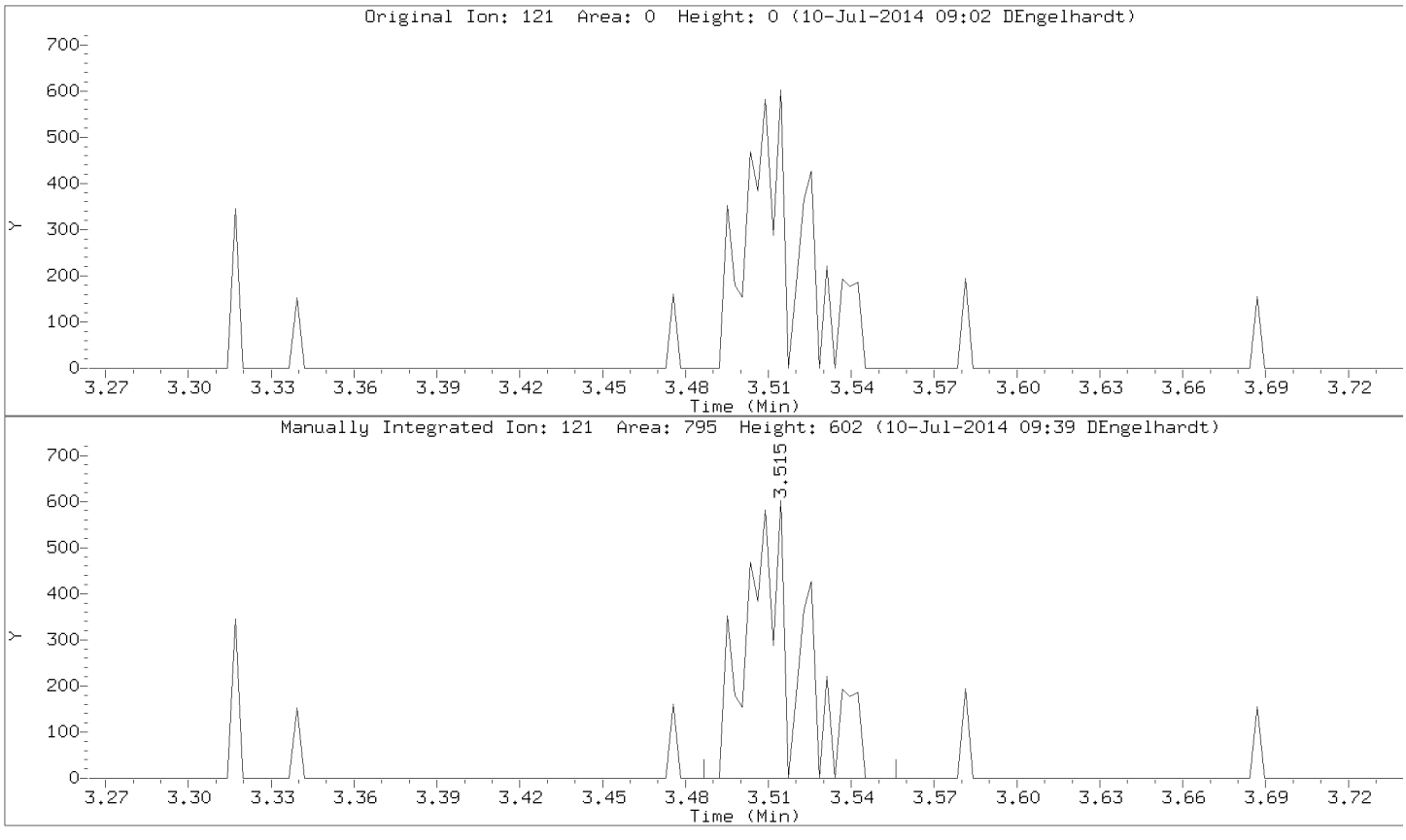
Lab Sample ID: 8260-CAL3,72089:0



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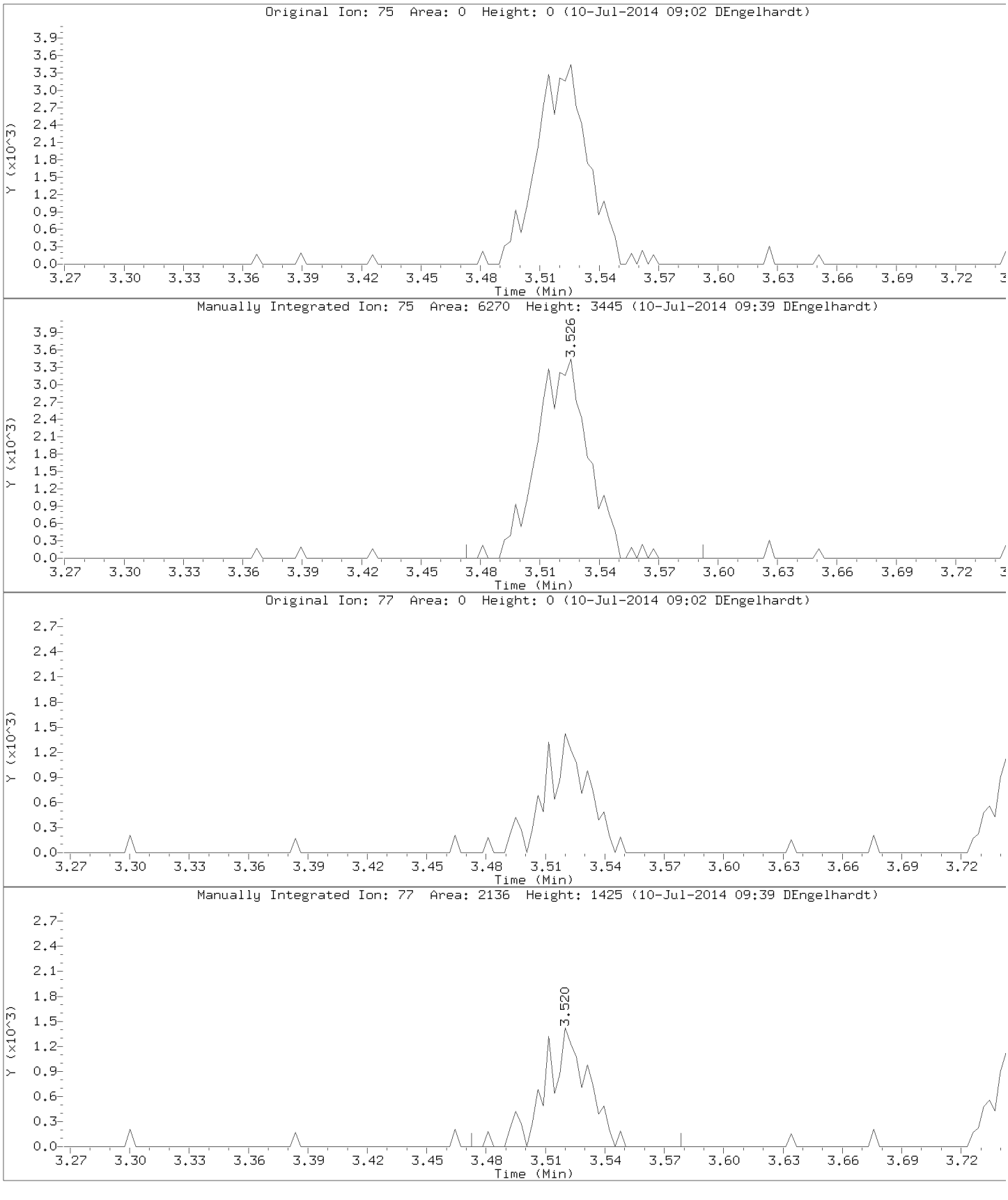
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6



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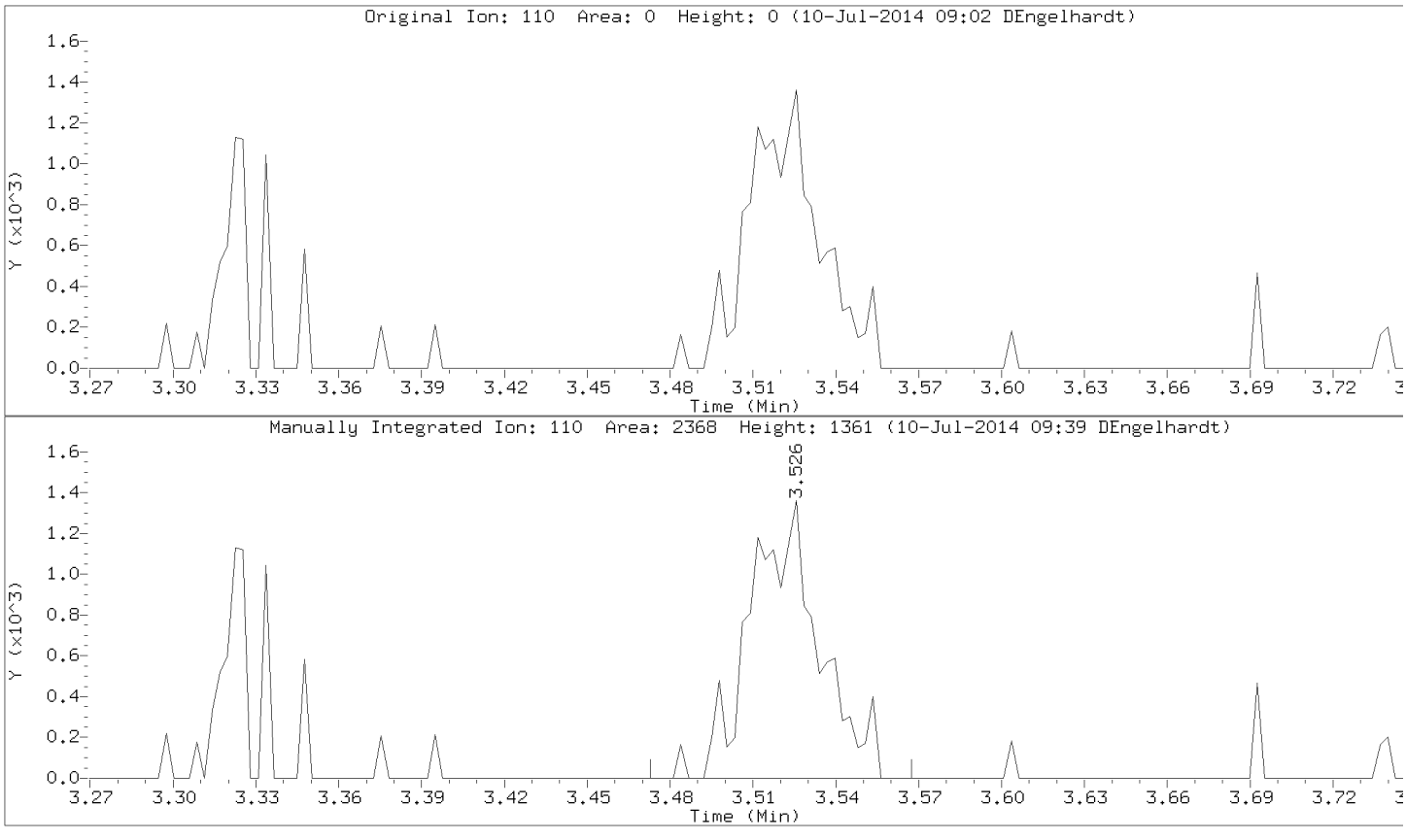
Lab Sample ID: 8260-CAL3,72089:0



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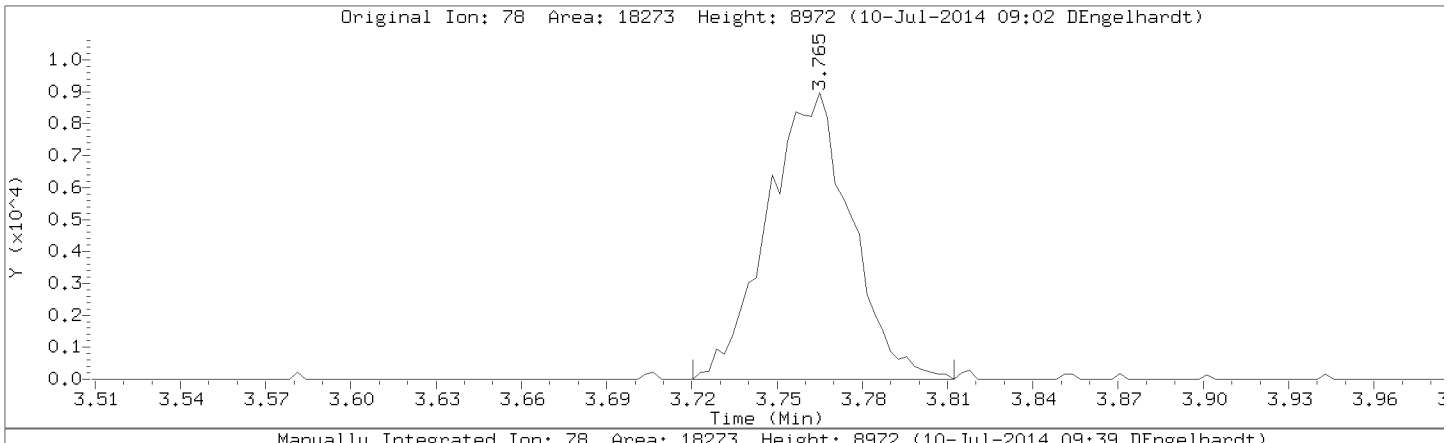
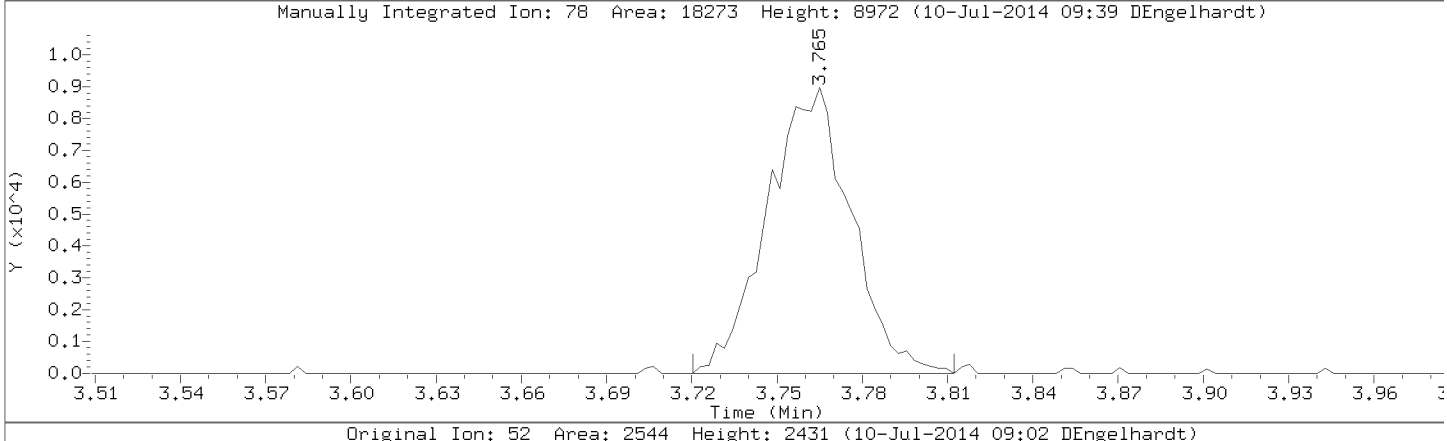
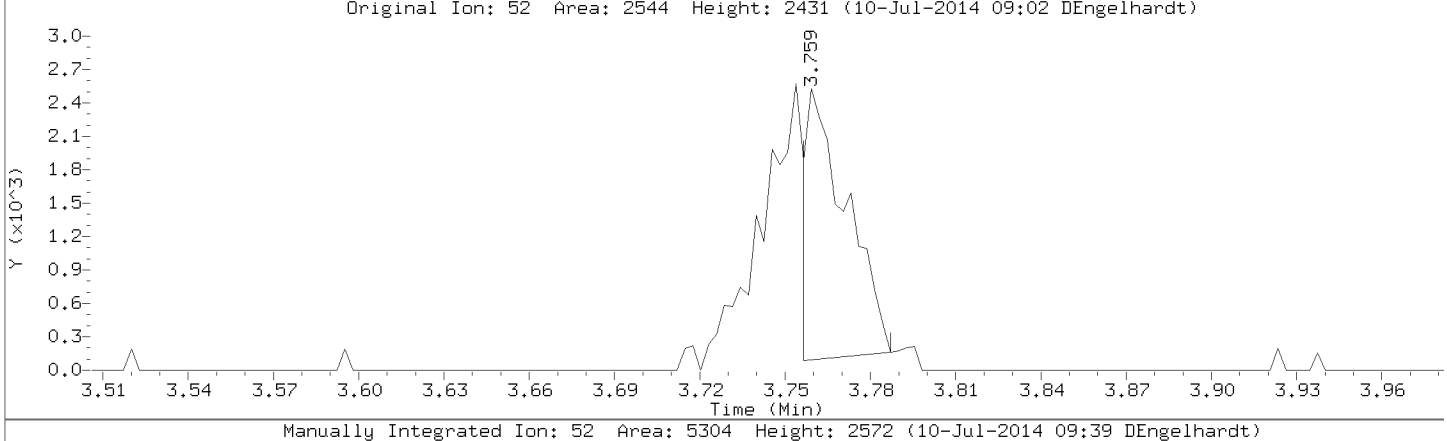
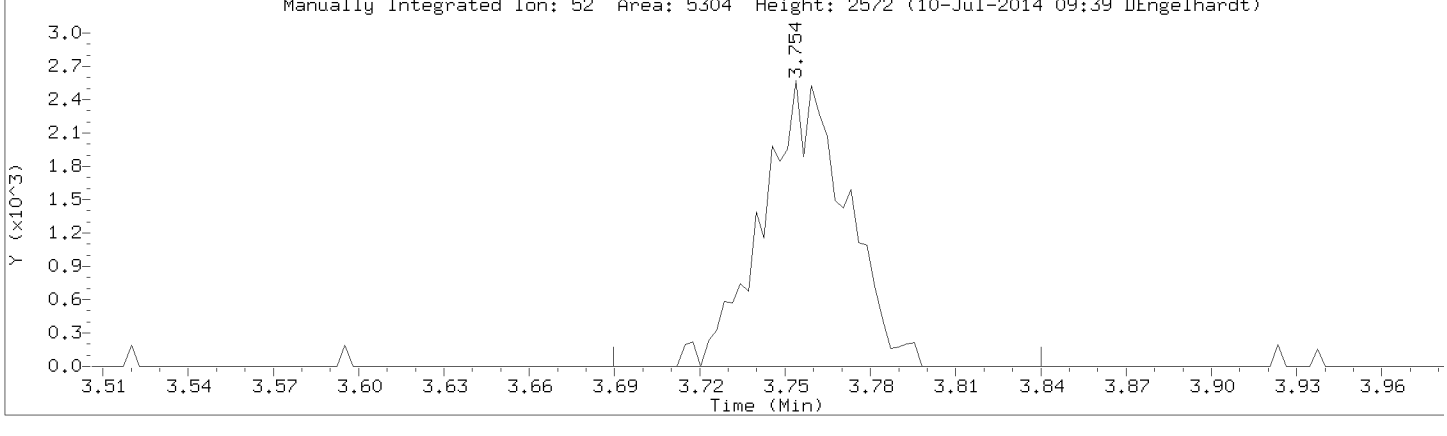
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Benzene
CAS Number: 71-43-2









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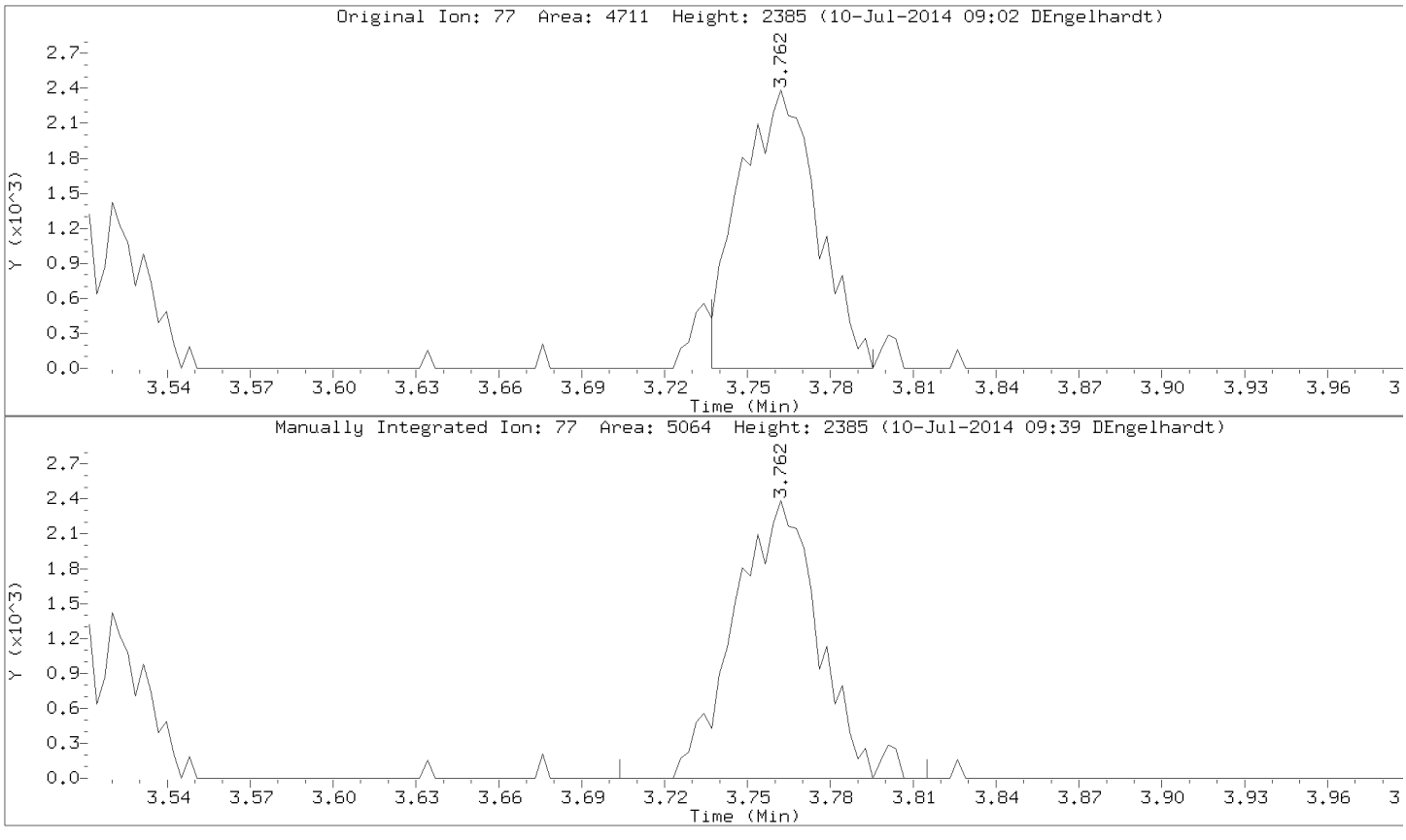
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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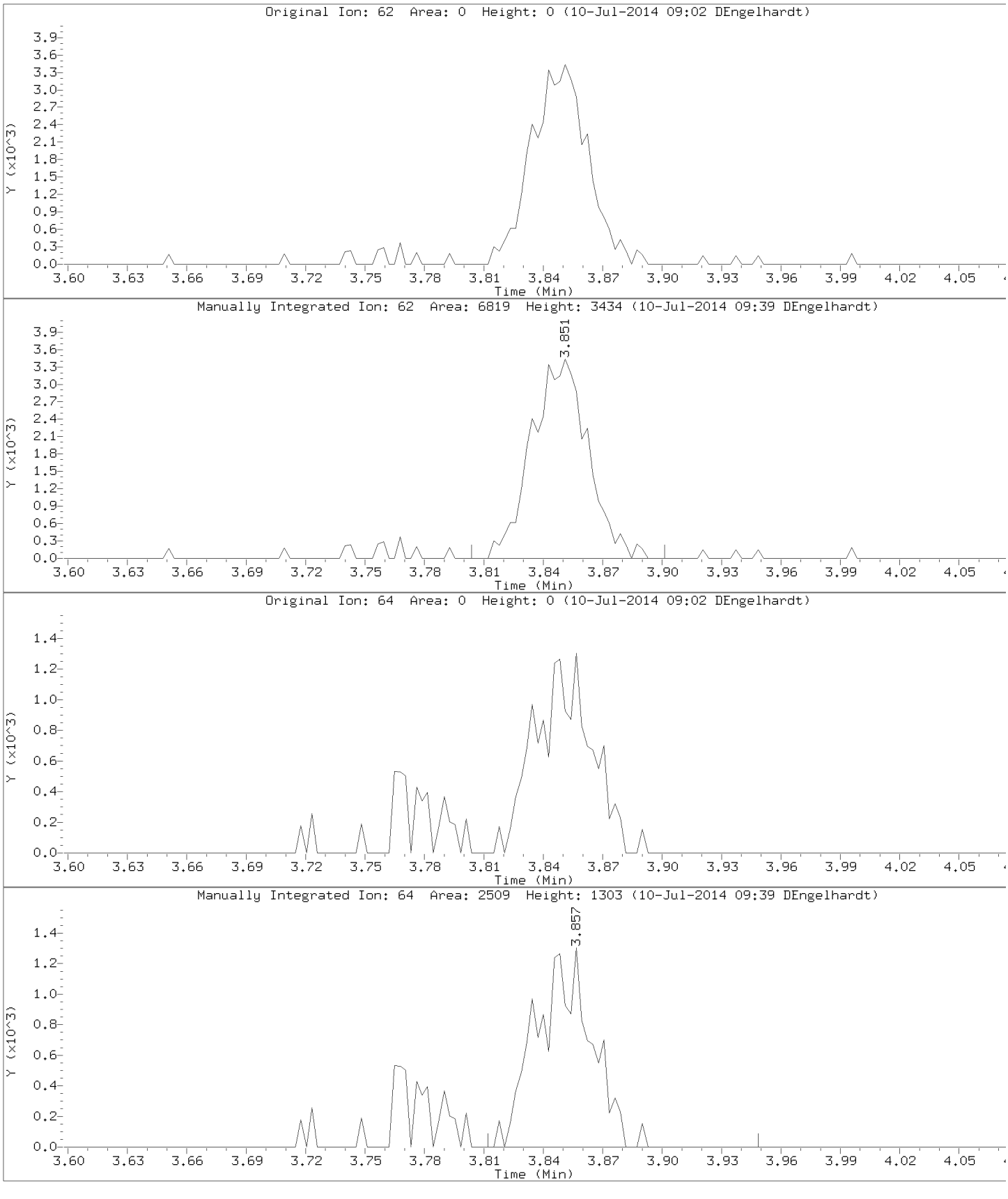
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



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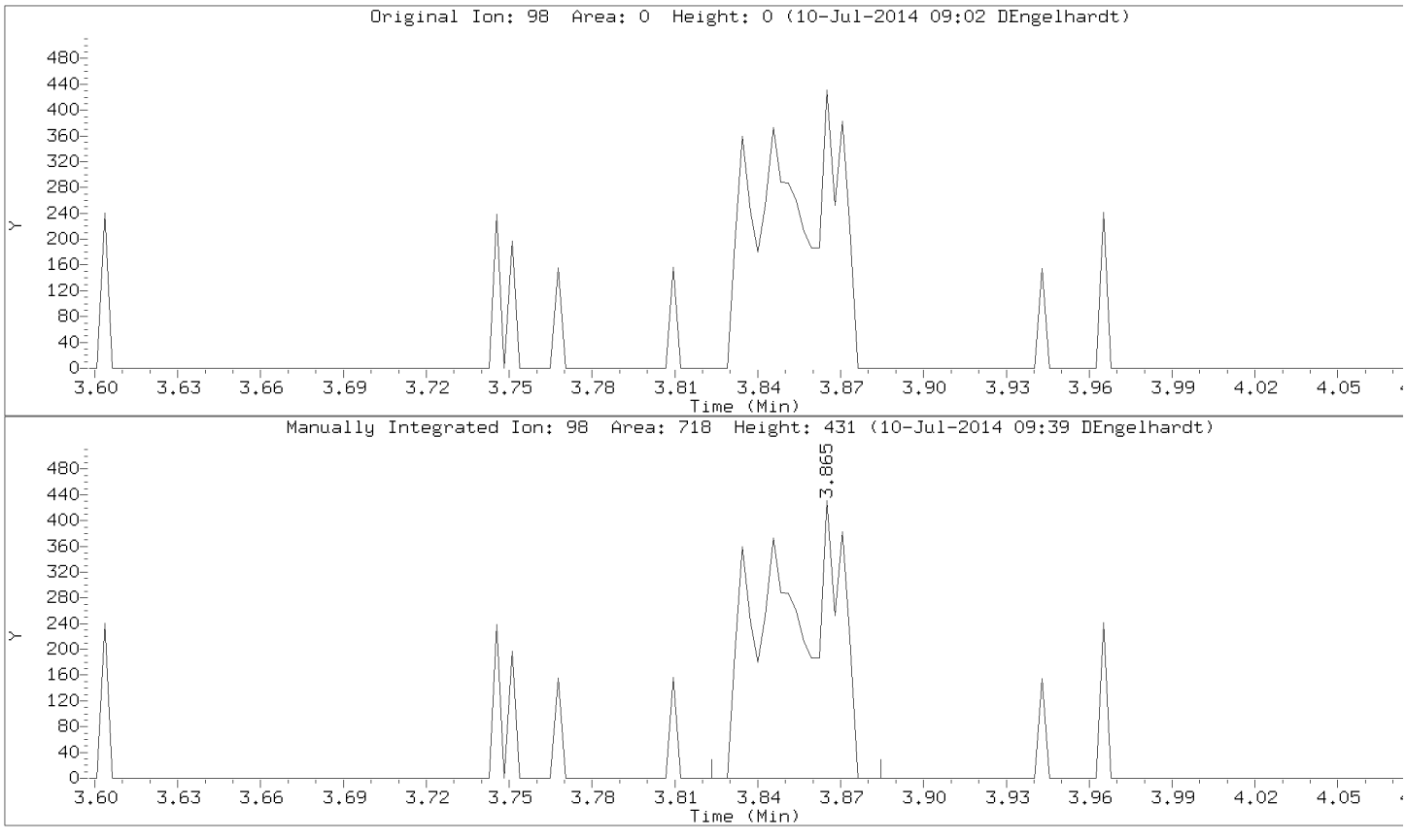
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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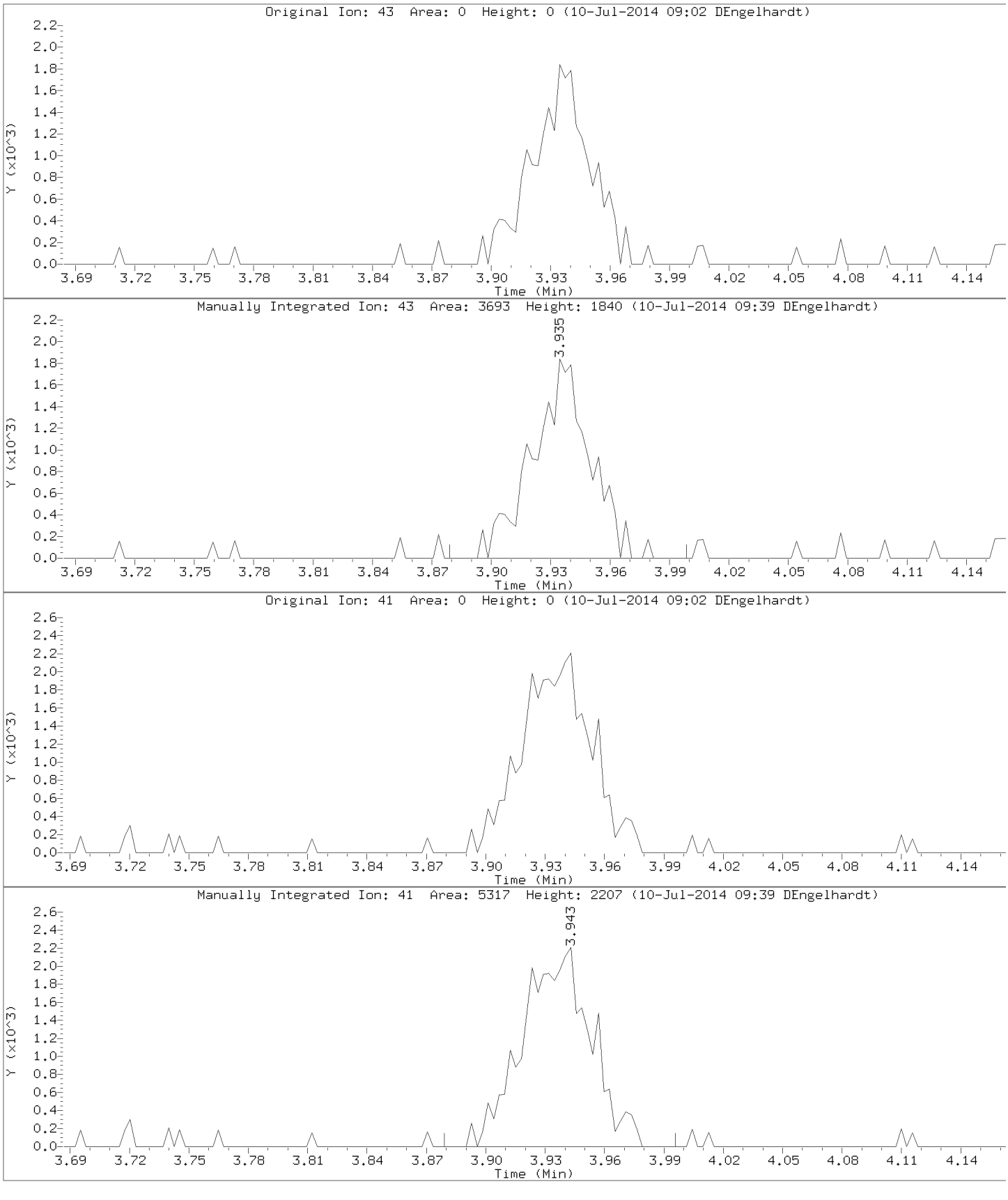
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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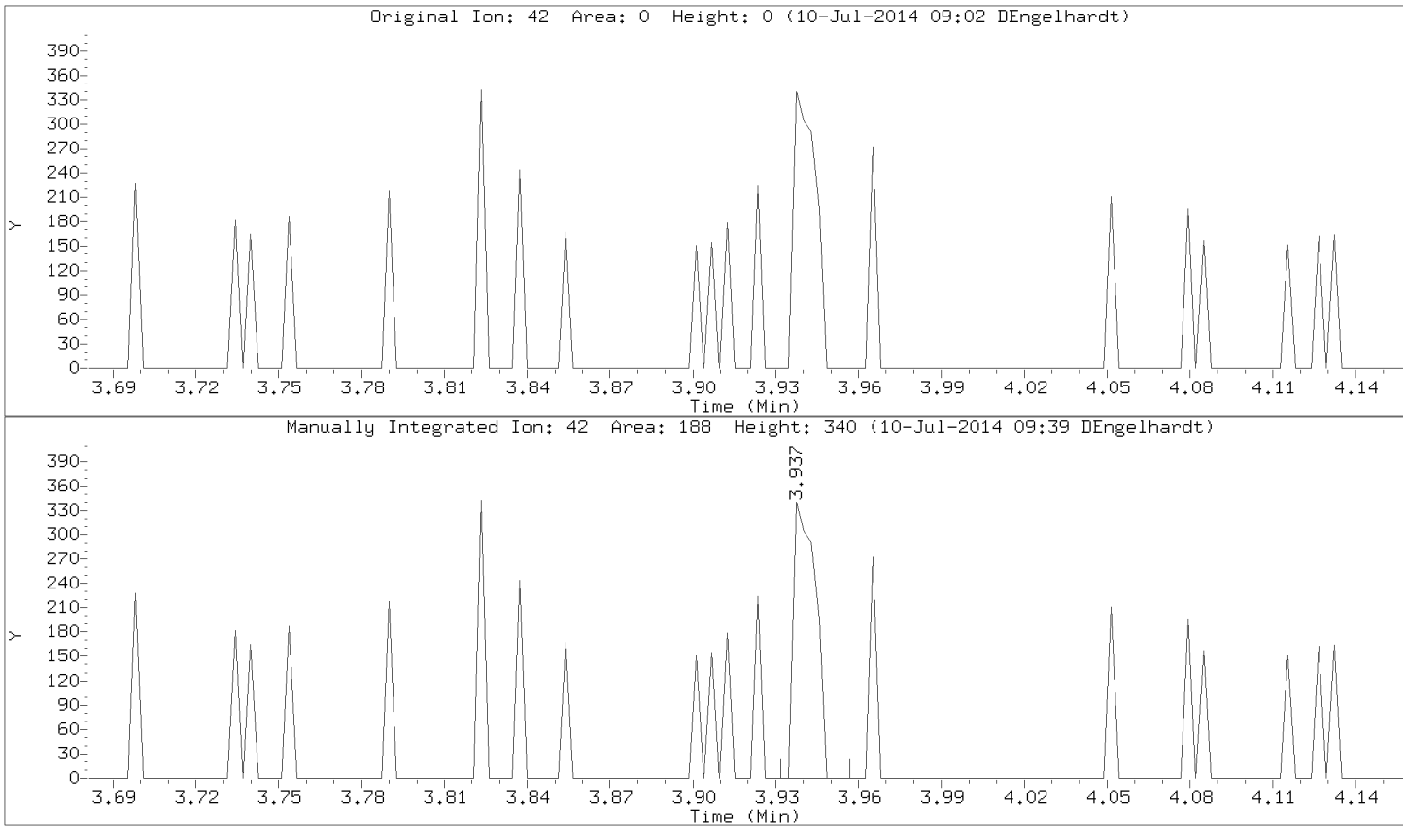
Lab Sample ID: 8260-CAL3,72089:0



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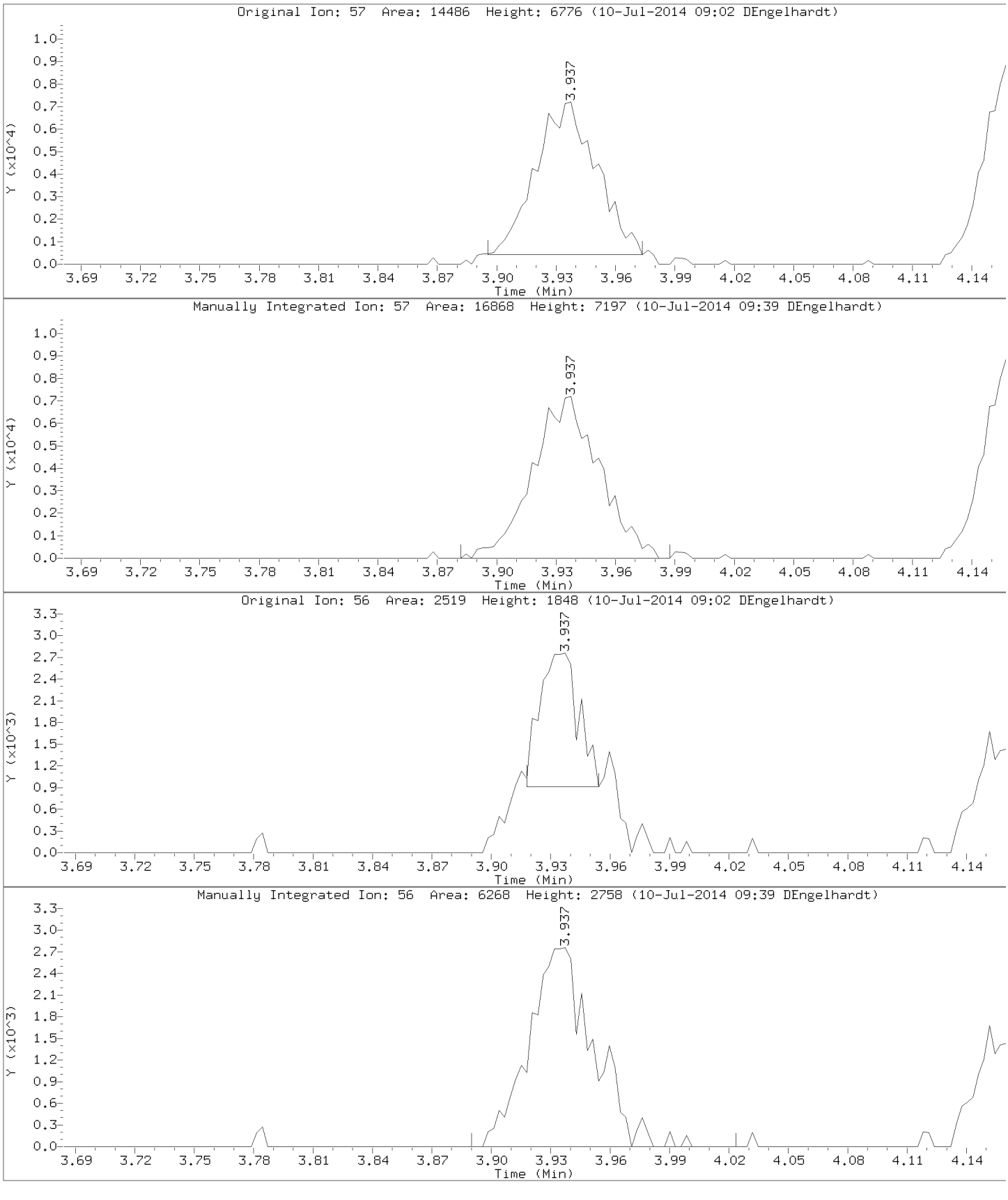
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 2,2,4-Trimethylpentane
CAS Number: 540-84-1



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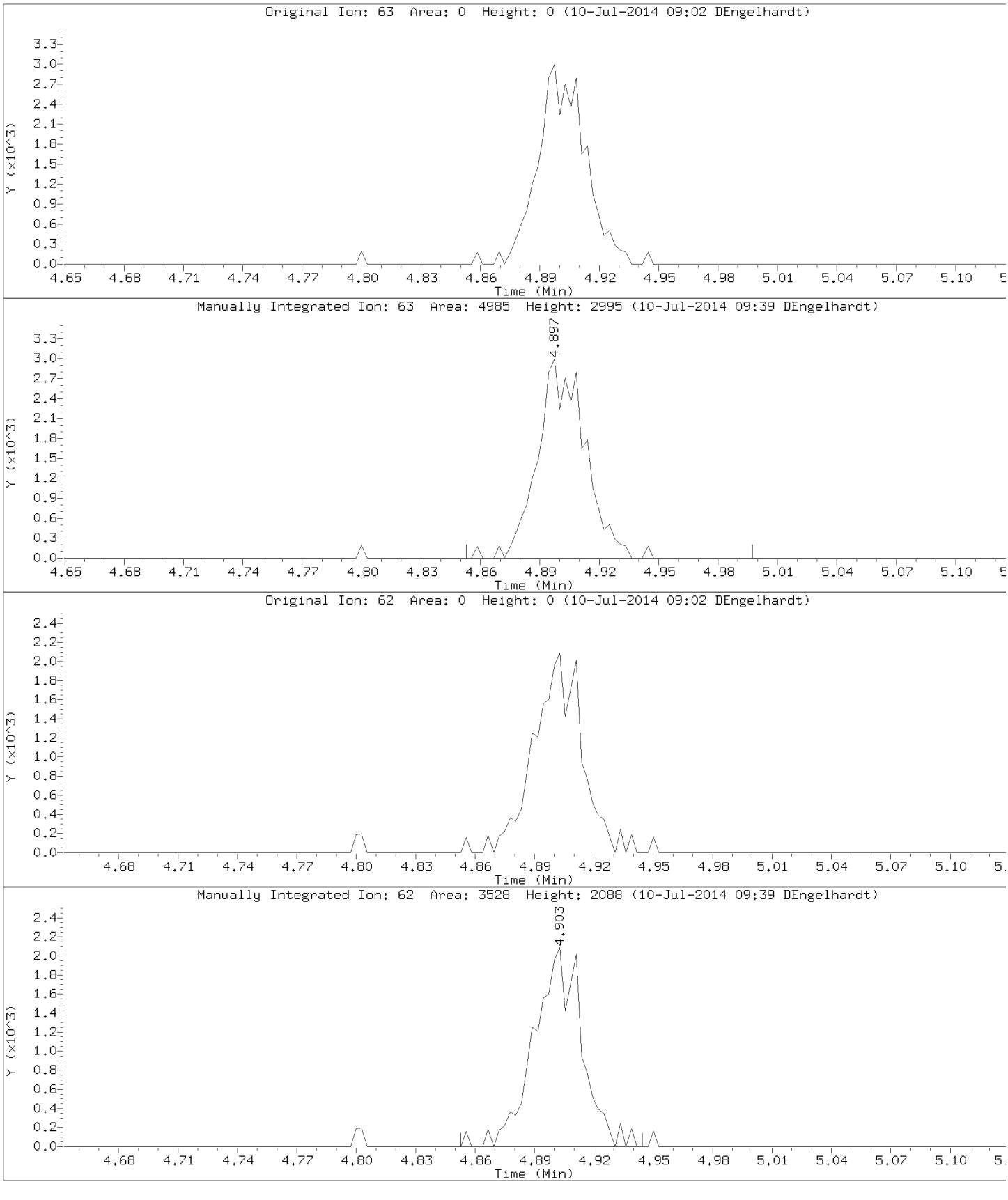
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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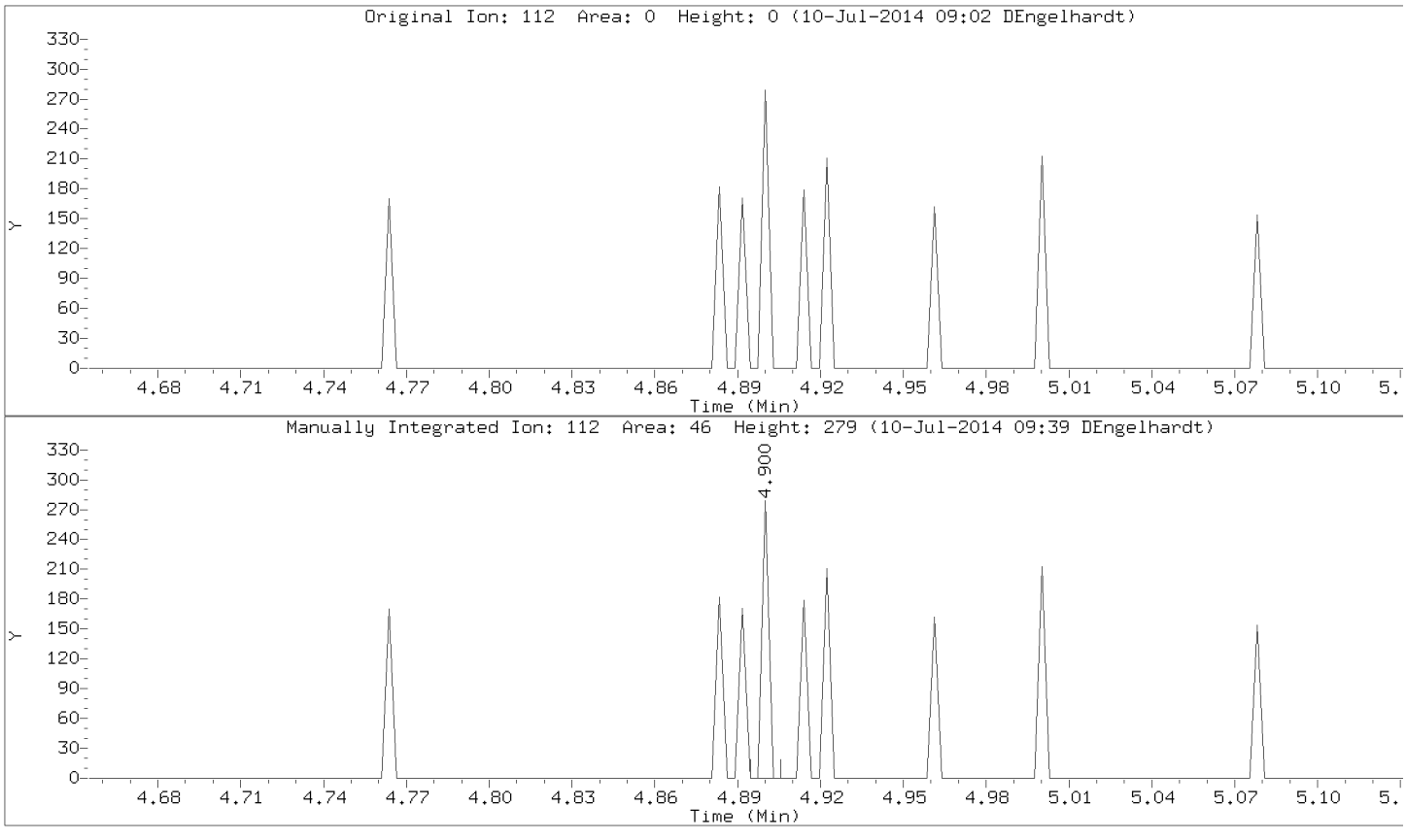
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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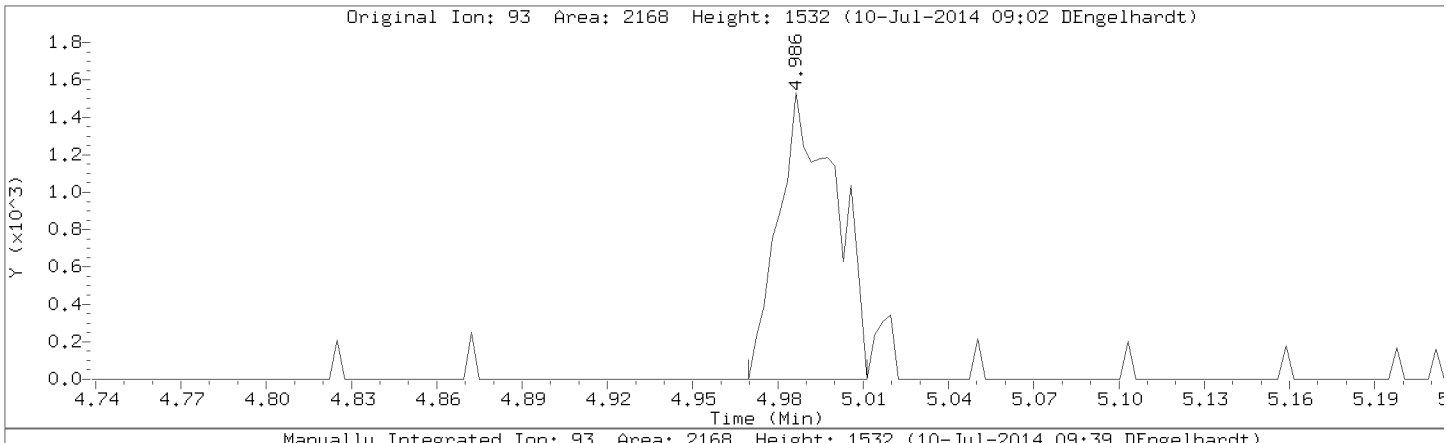
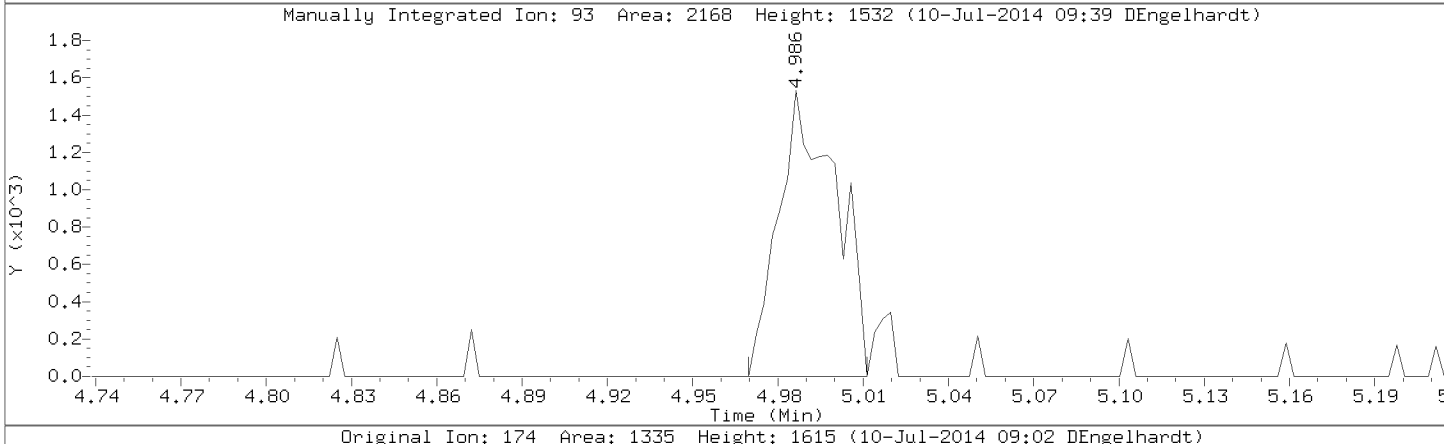
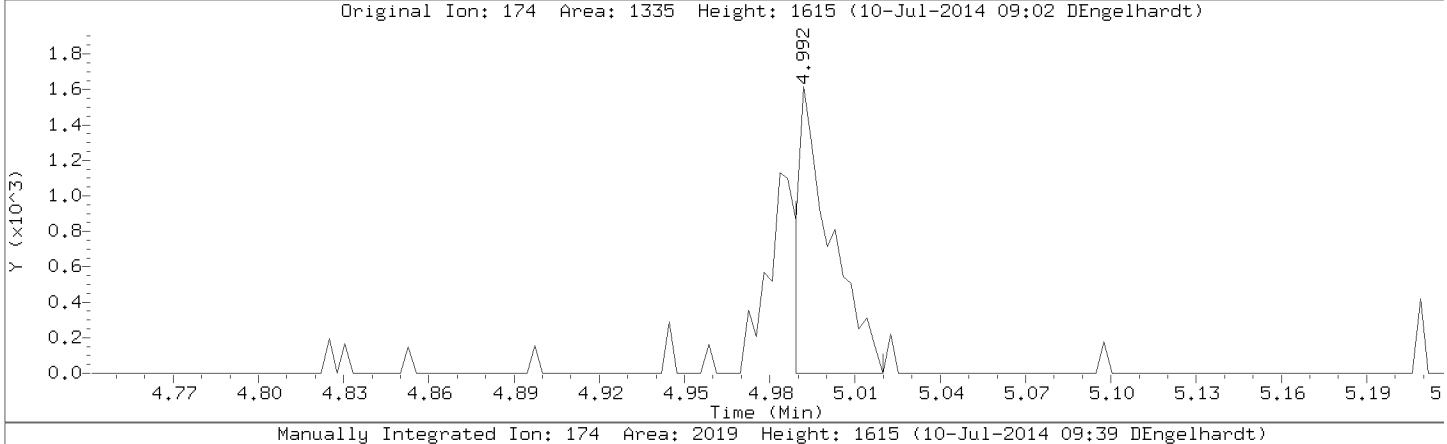
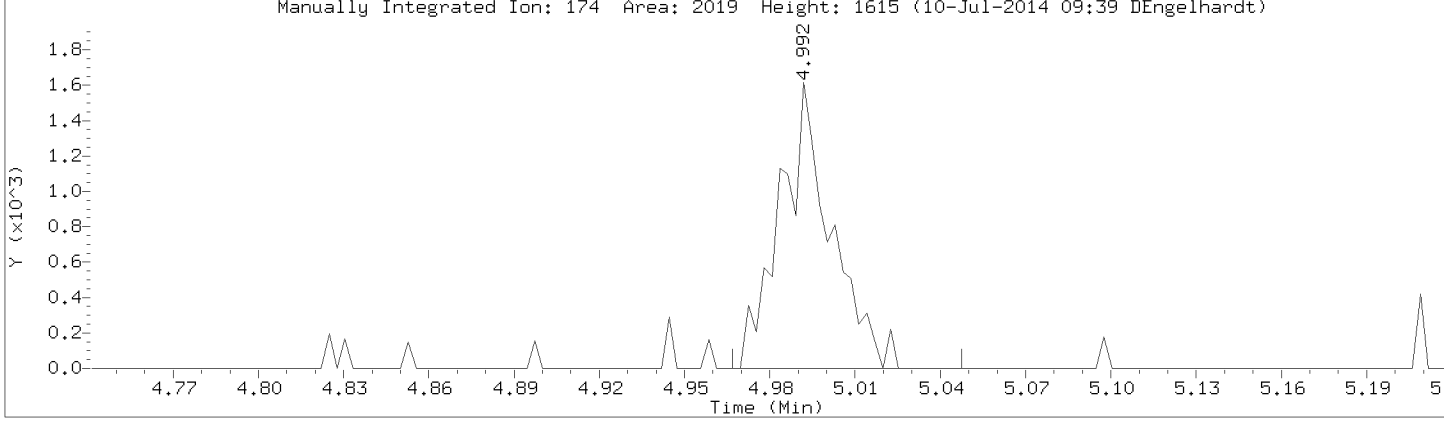
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Dibromomethane
CAS Number: 74-95-3









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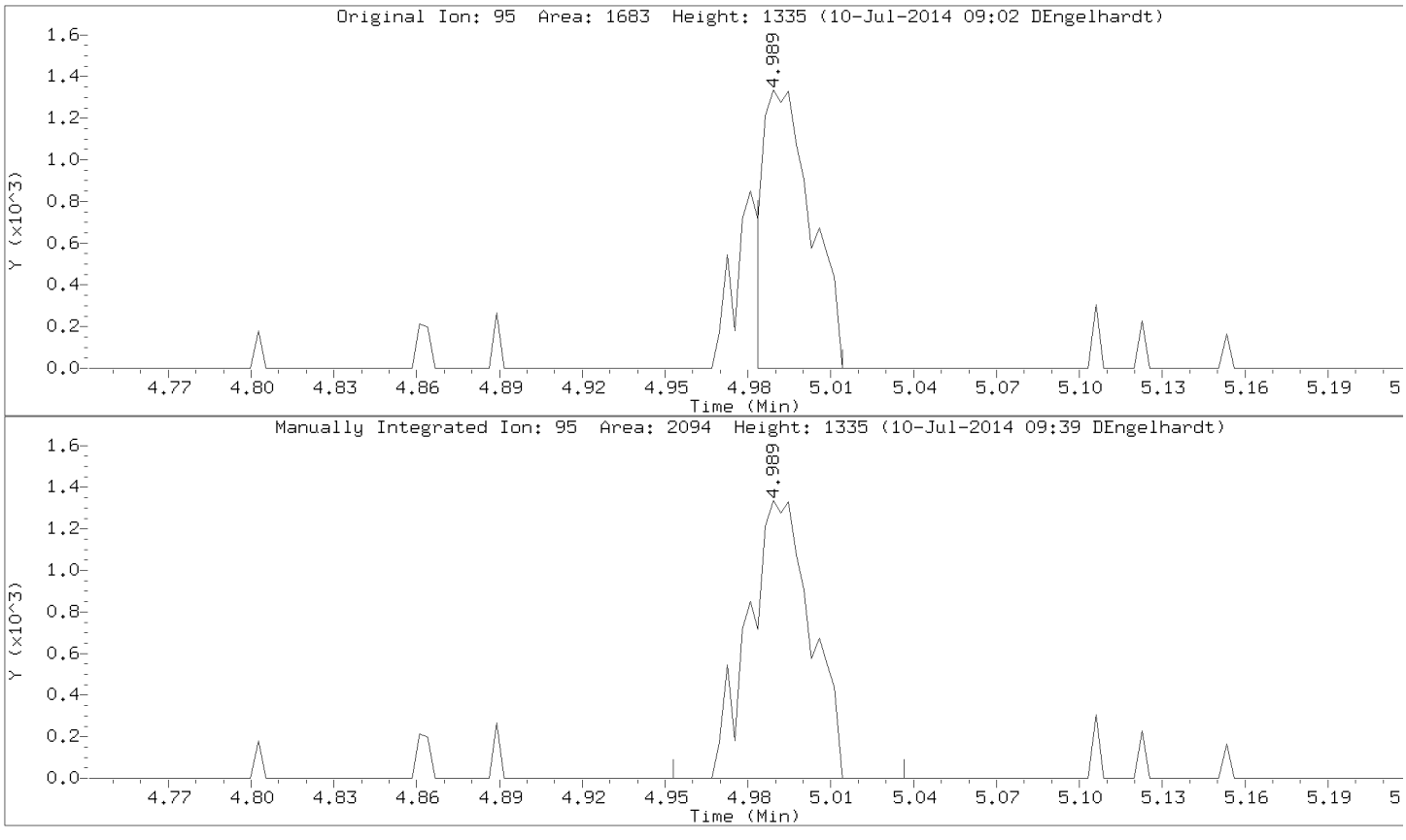
Lab Sample ID: 8260-CAL3,72089:0



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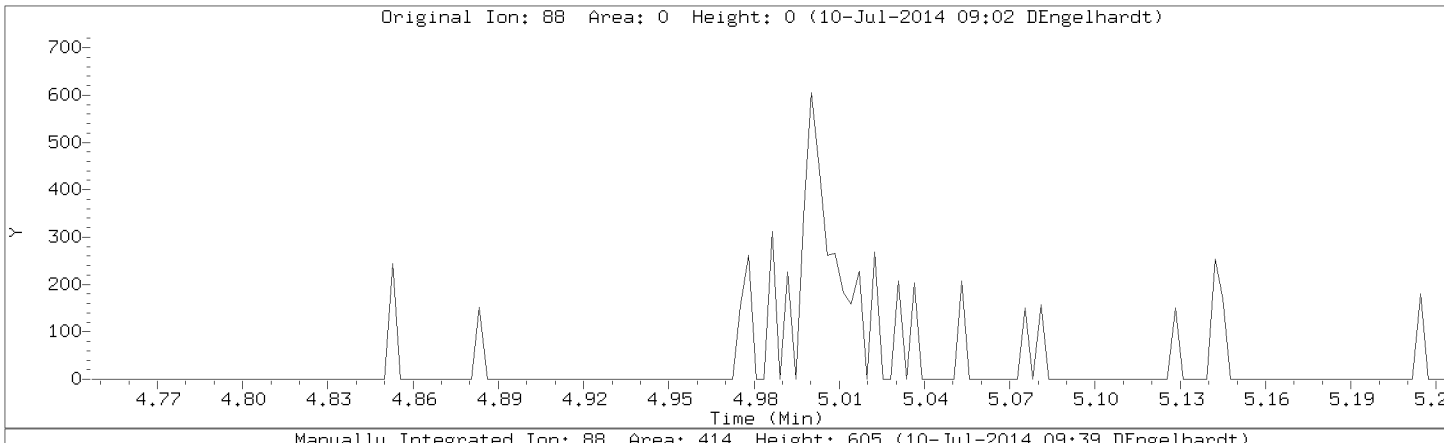
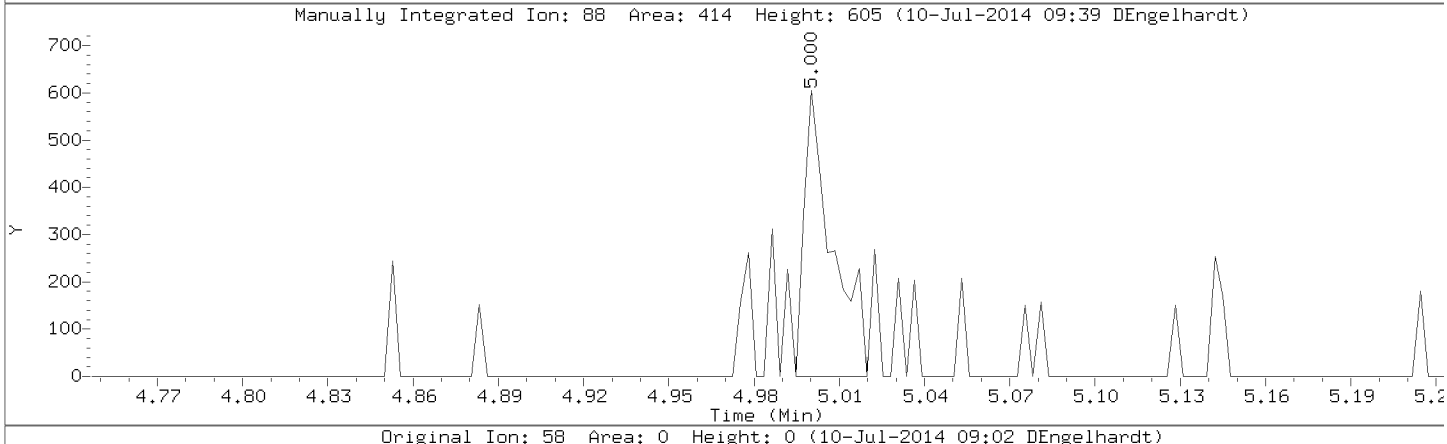
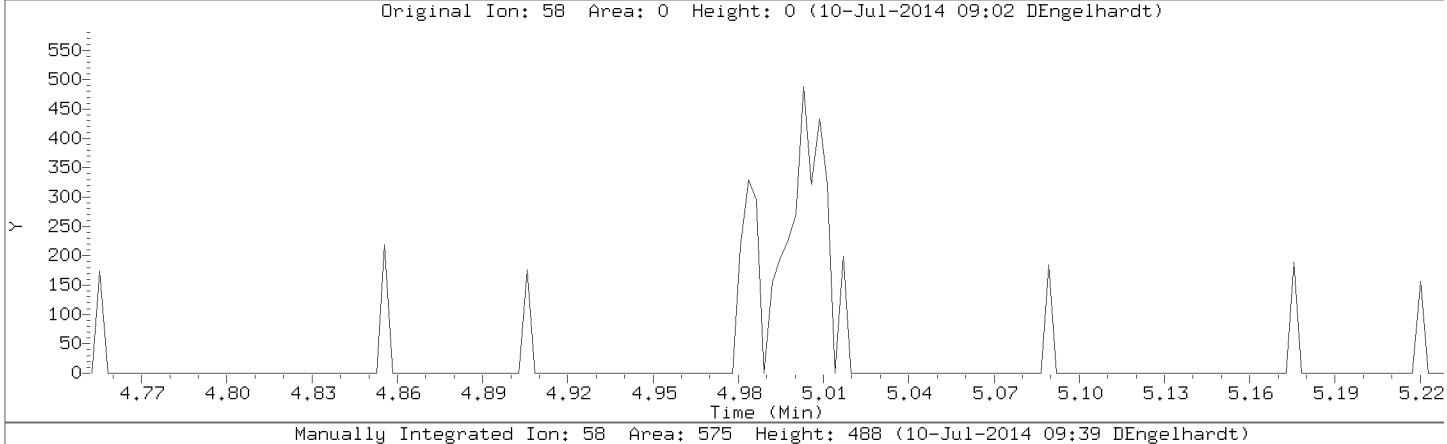
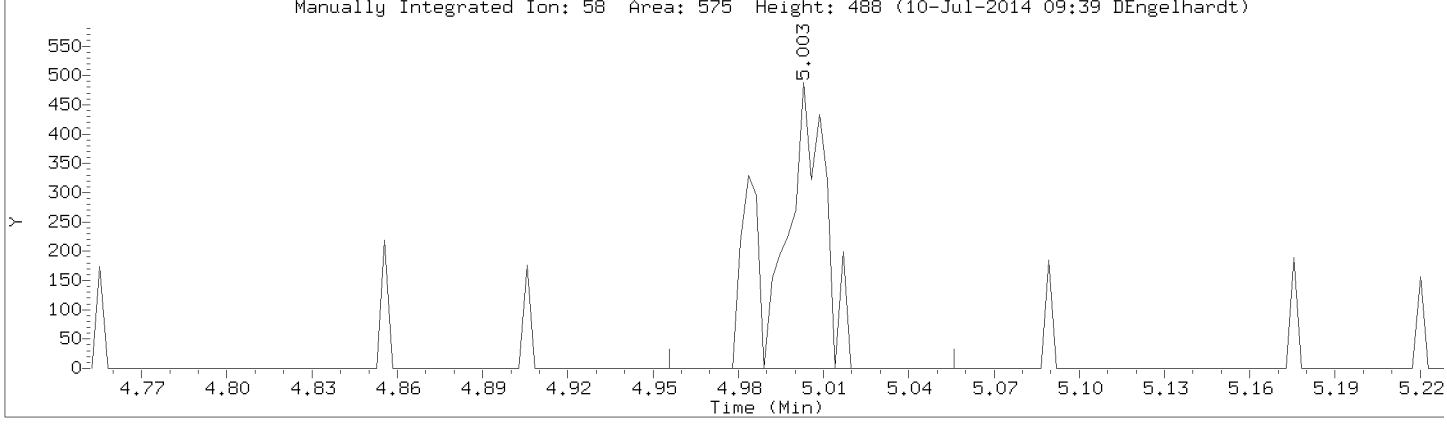
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,4-Dioxane
CAS Number:









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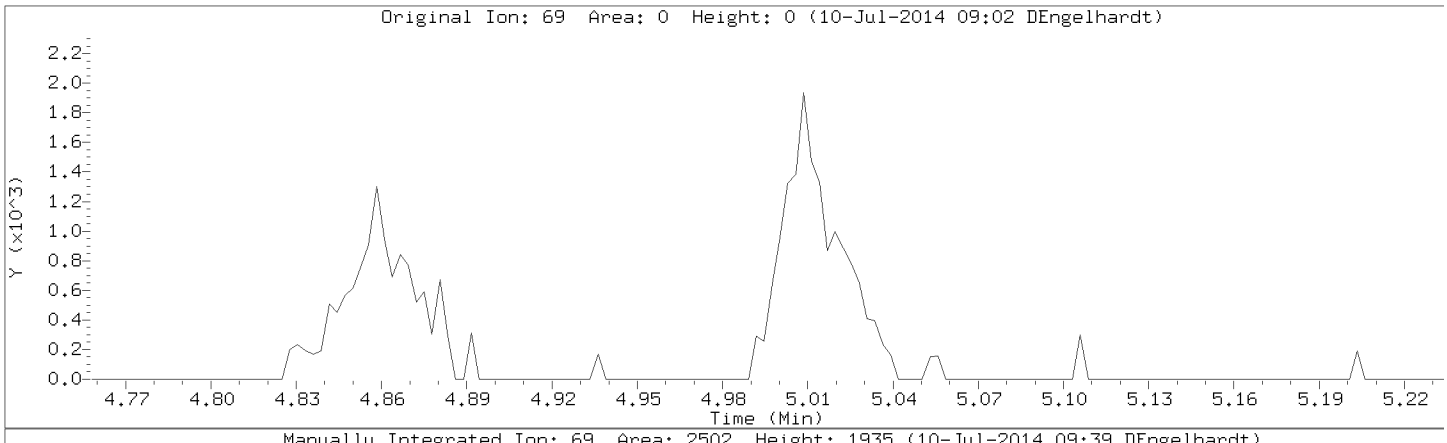
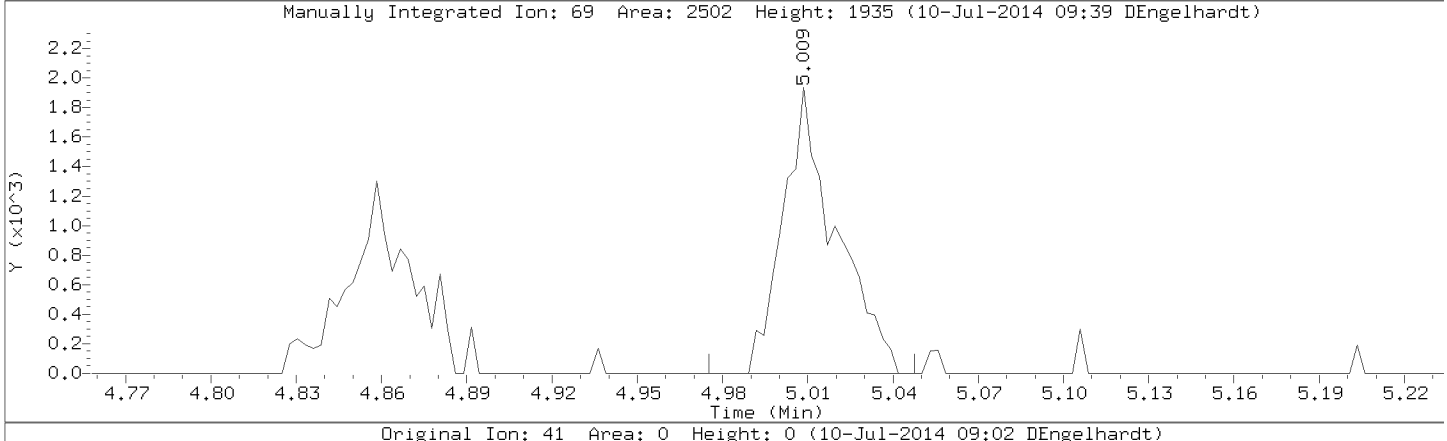
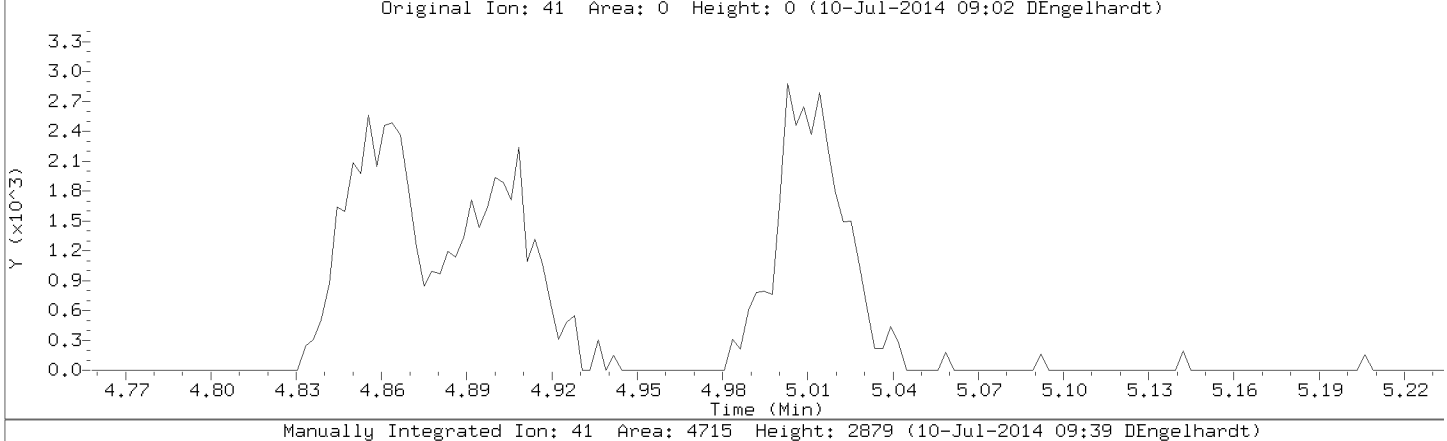
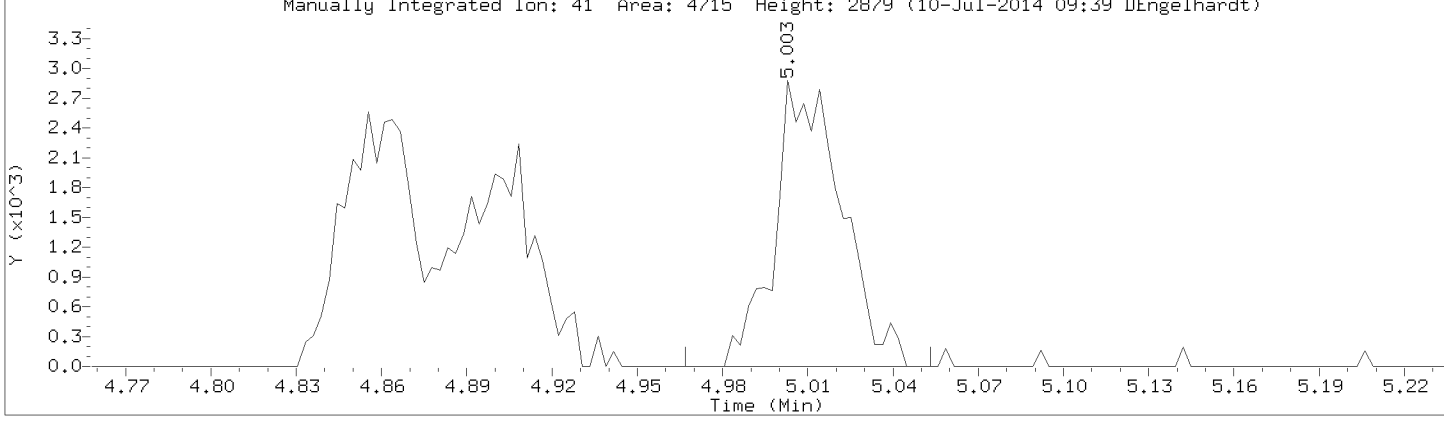
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Methyl methacrylate
CAS Number: 80-62-6









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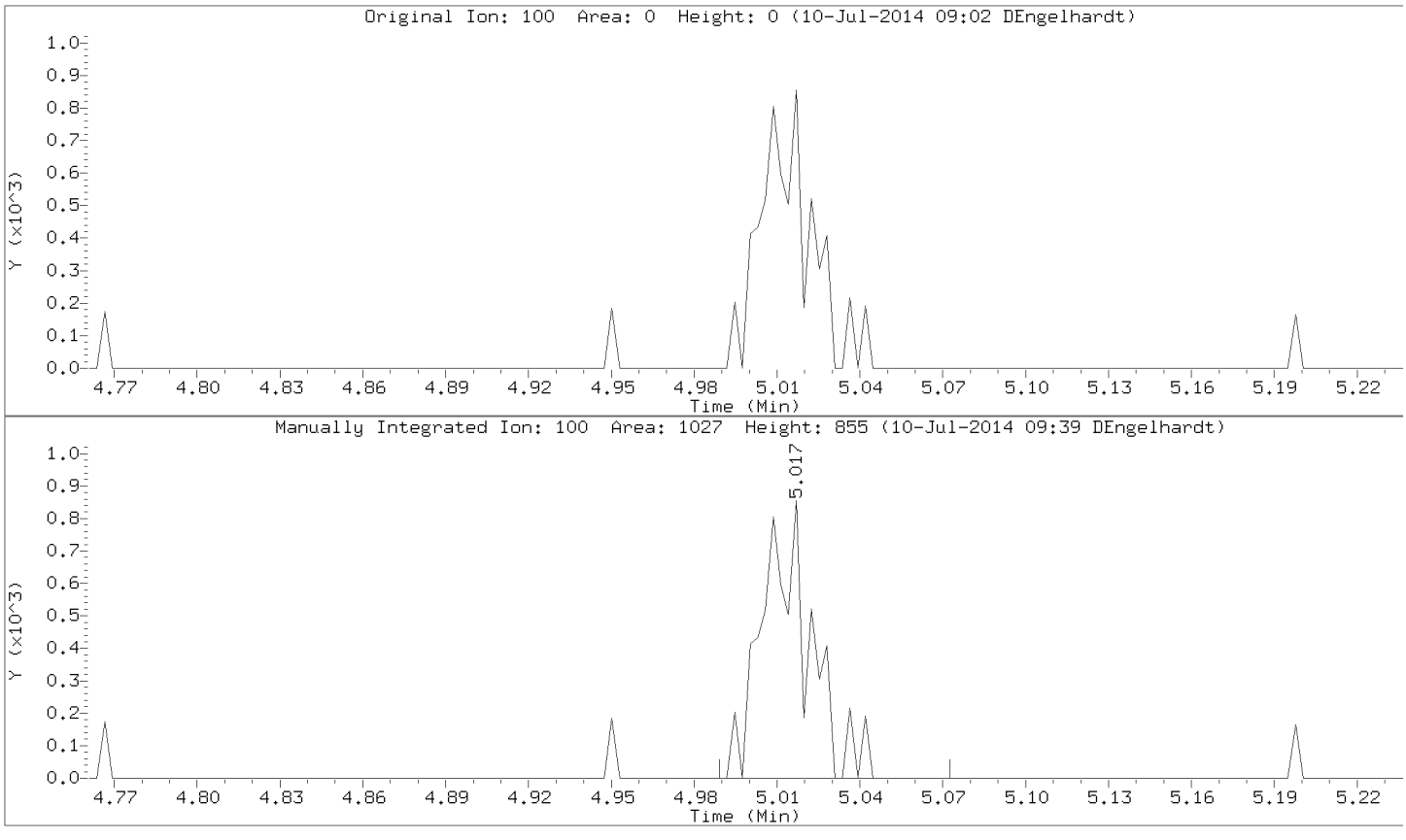
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0



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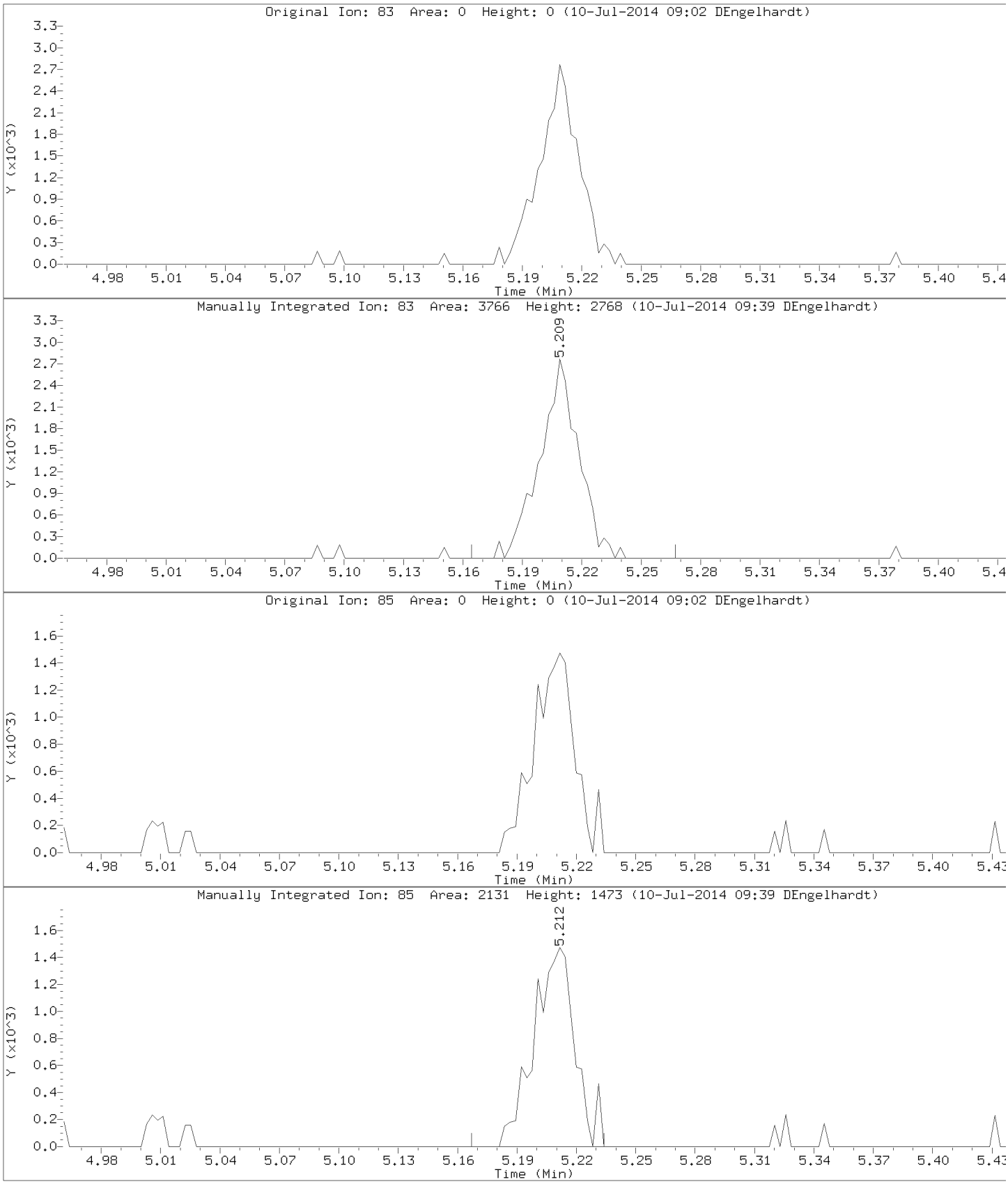
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Bromodichloromethane
CAS Number: 75-27-4



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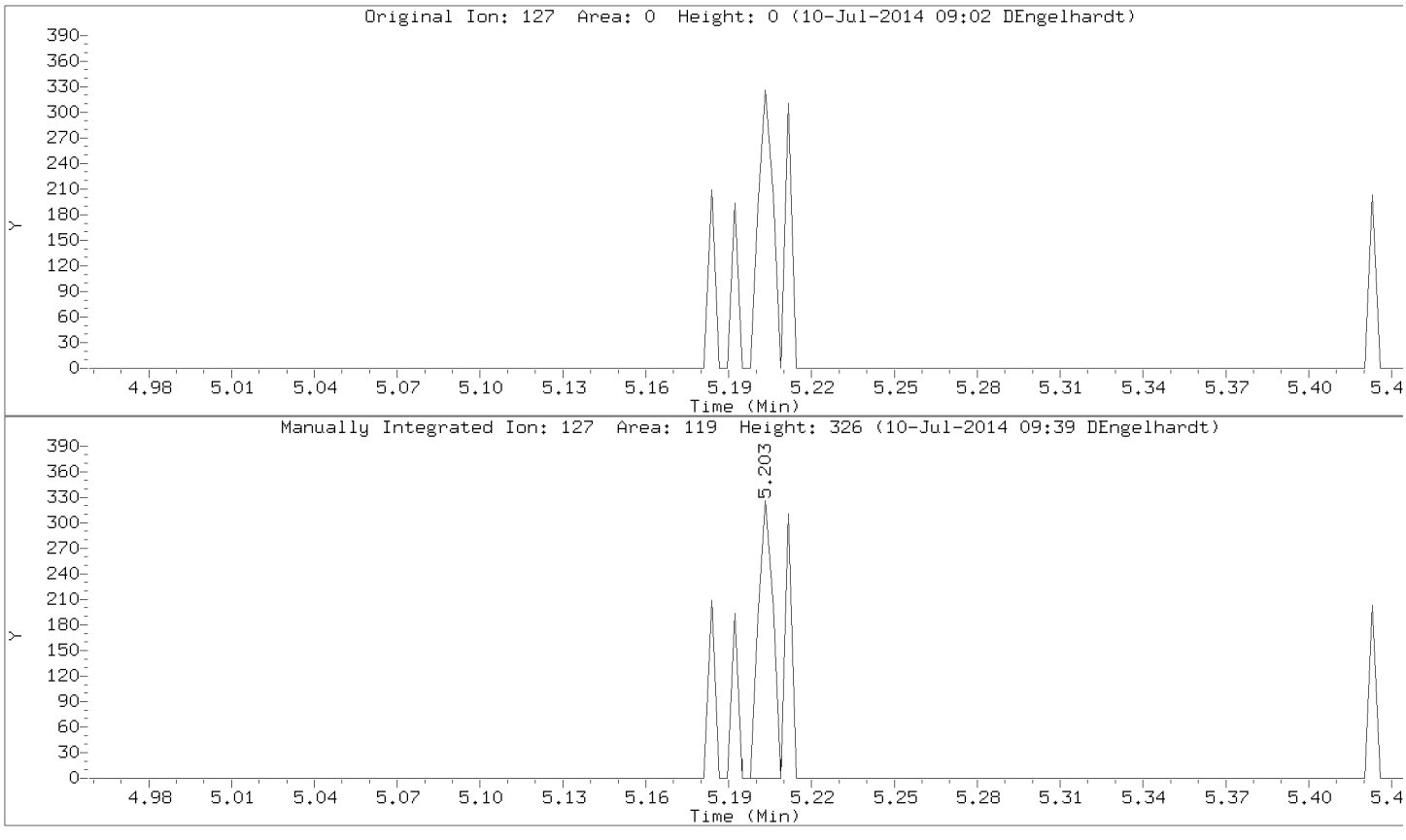
Lab Sample ID: 8260-CAL3,72089:0



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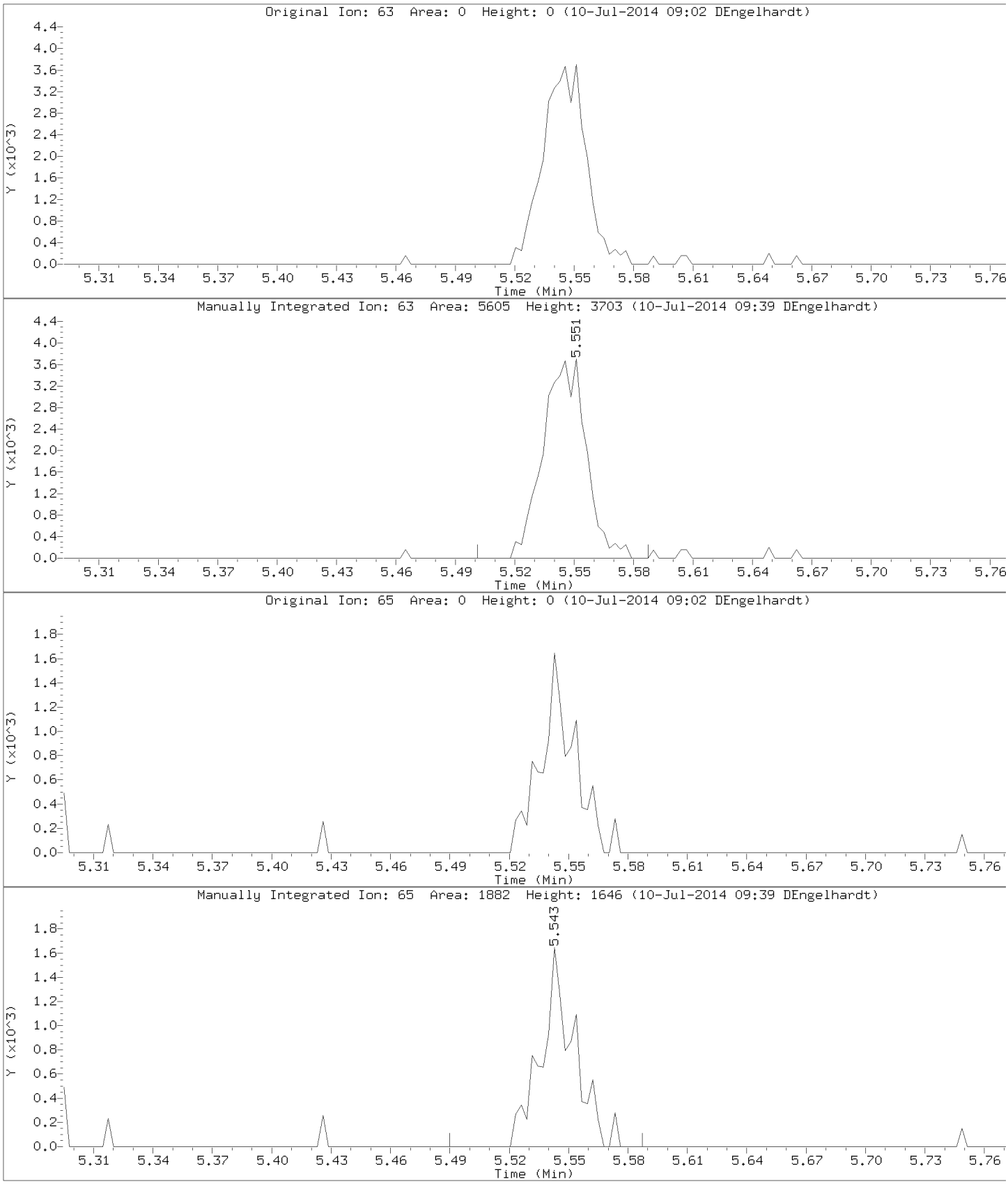
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8



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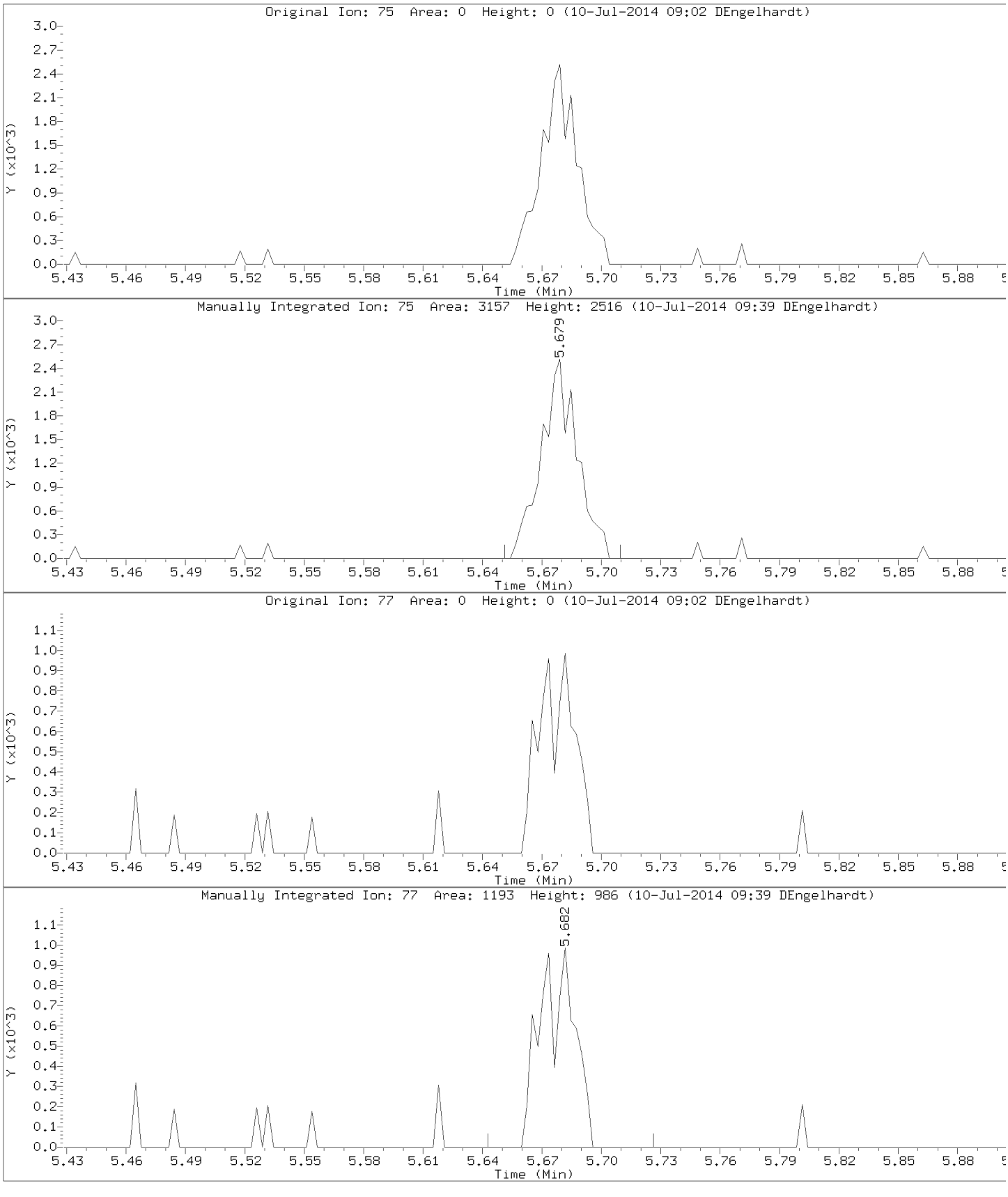
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: cis-1,3-Dichloropropene
CAS Number: 10061-01-5



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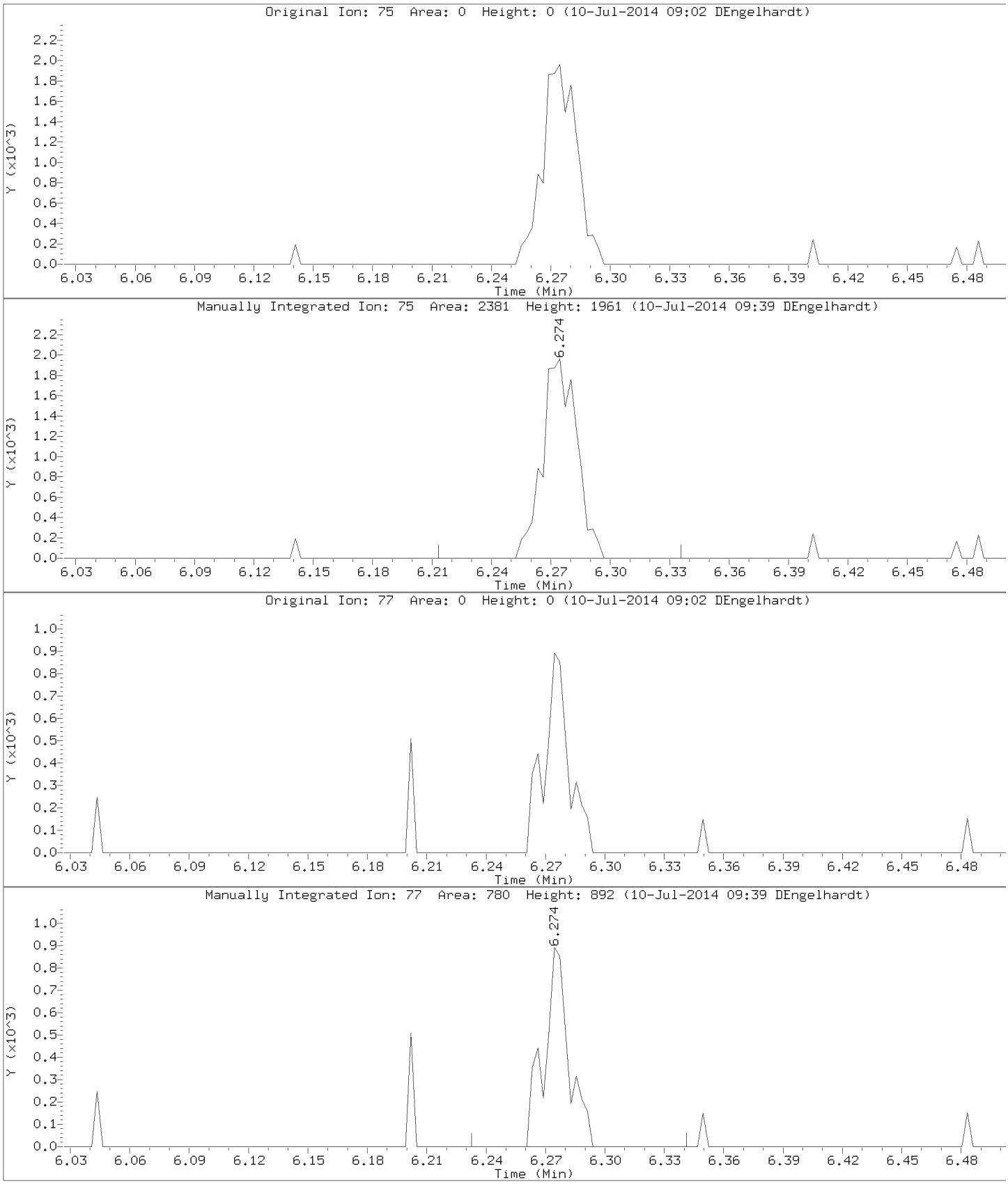
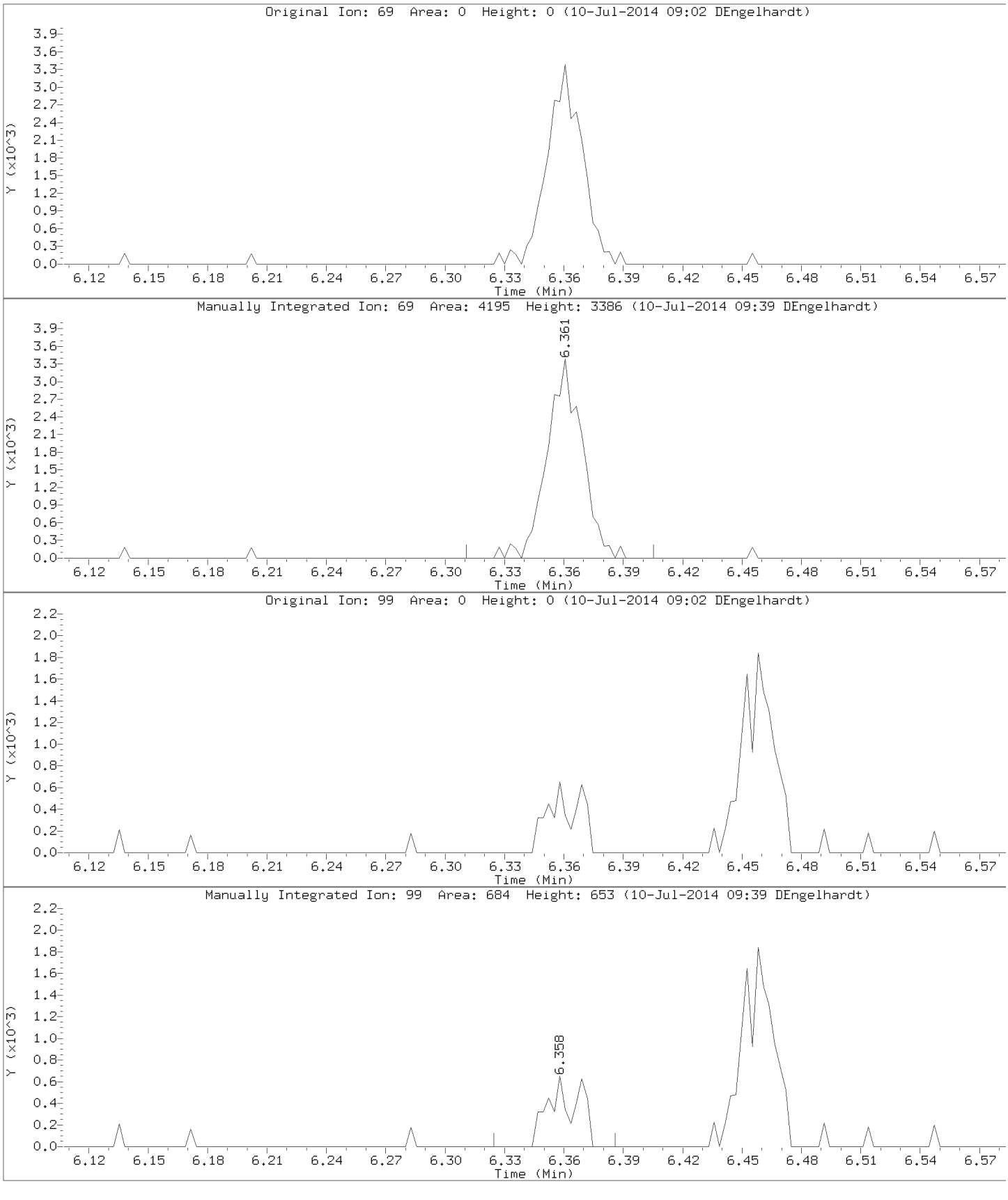
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a08cal3.d
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Ethyl Methacrylate
CAS Number:



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Injection Date: 09-JUL-2014 17:24
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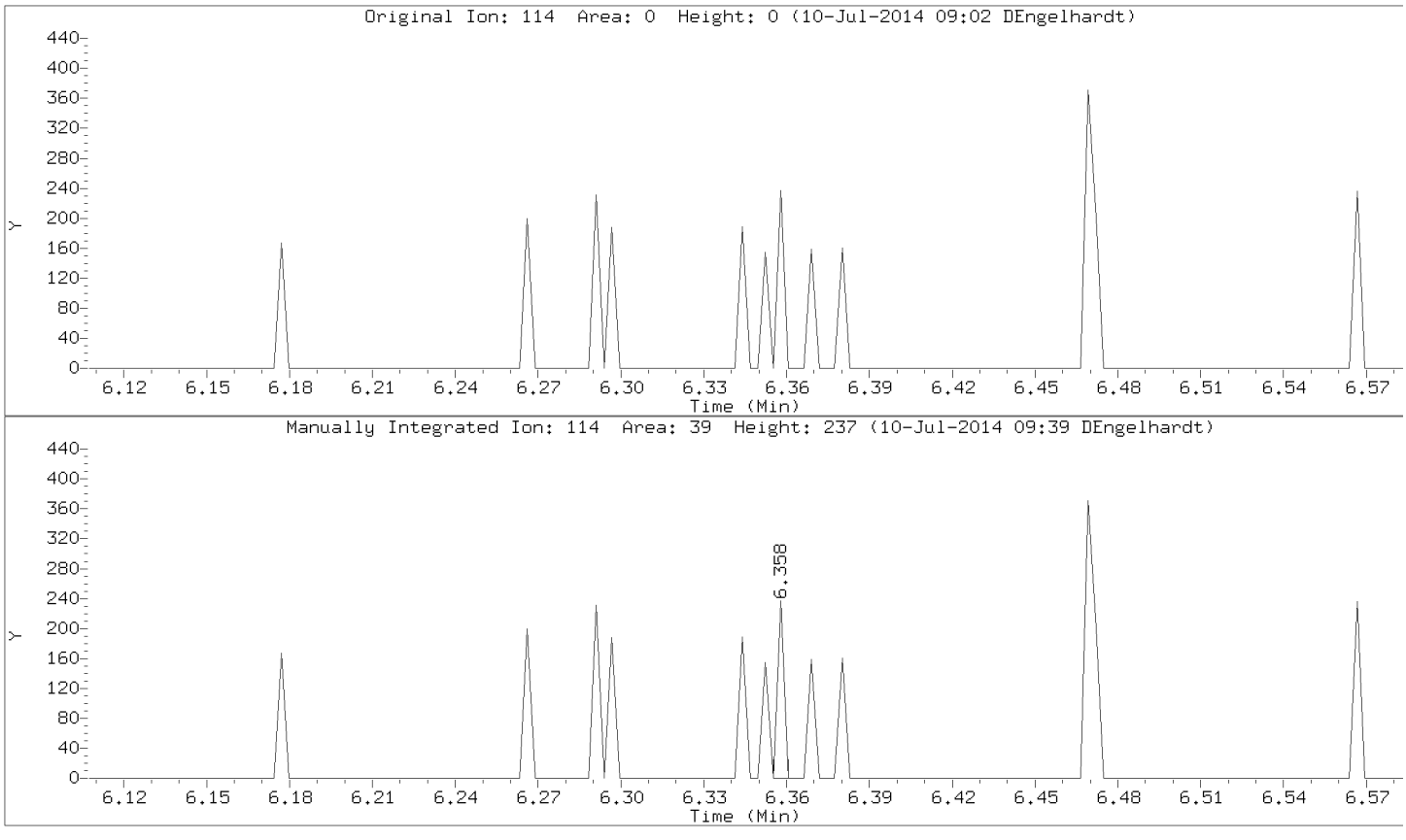
Lab Sample ID: 8260-CAL3,72089:0



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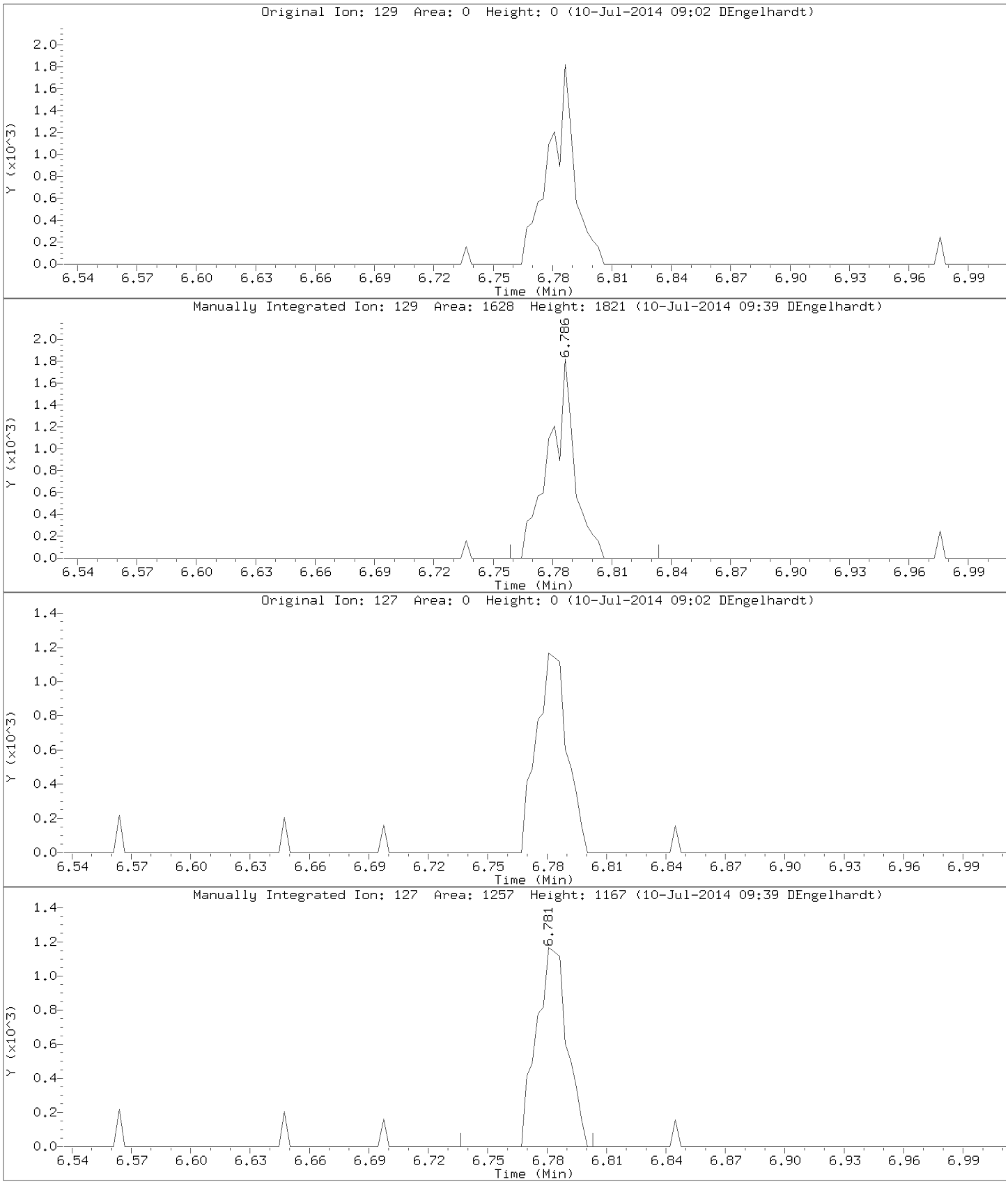
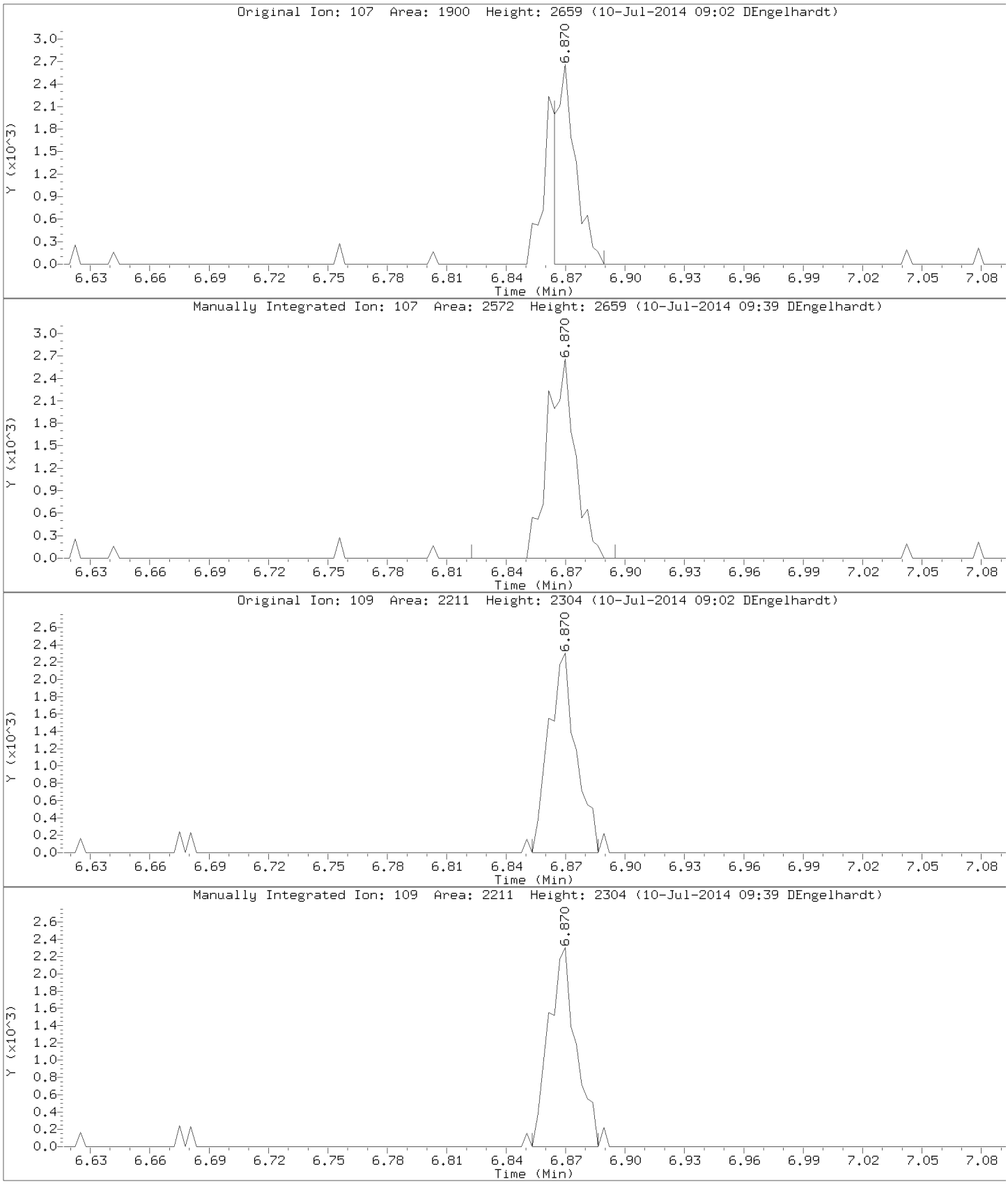
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Dibromochloromethane
CAS Number: 124-48-1



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a08cal3.d
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,2-Dibromoethane
CAS Number: 106-93-4



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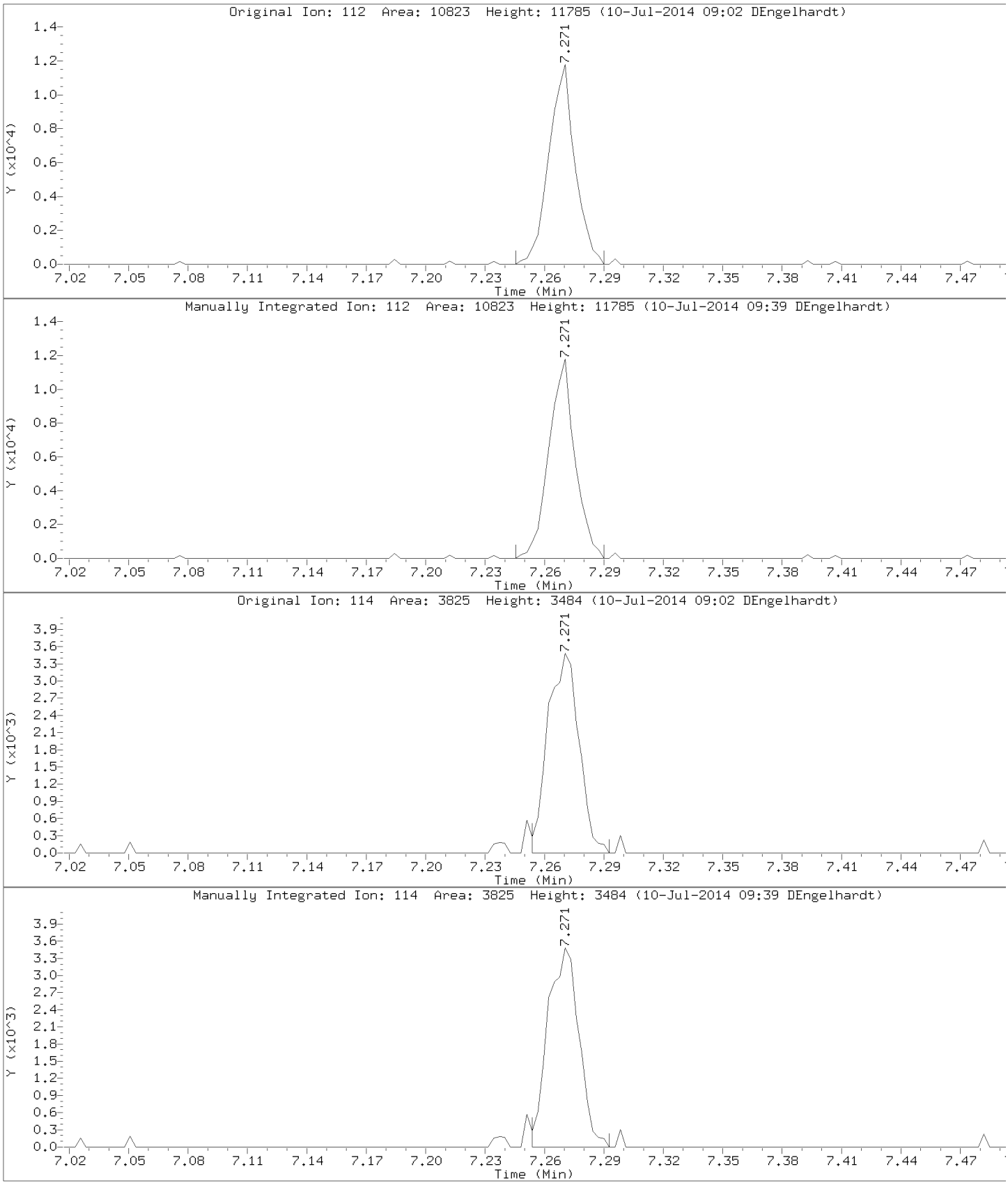
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Chlorobenzene
CAS Number: 108-90-7



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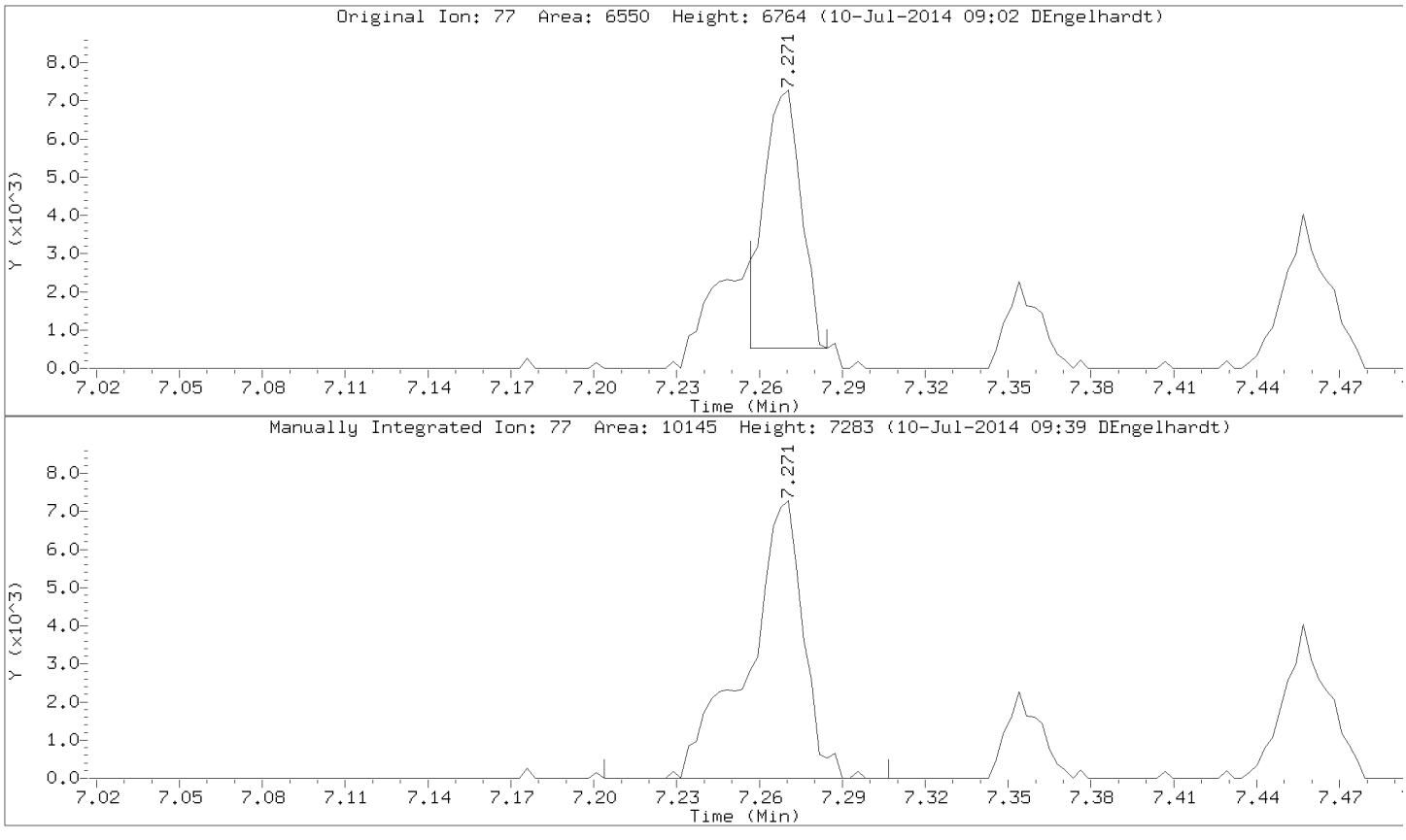

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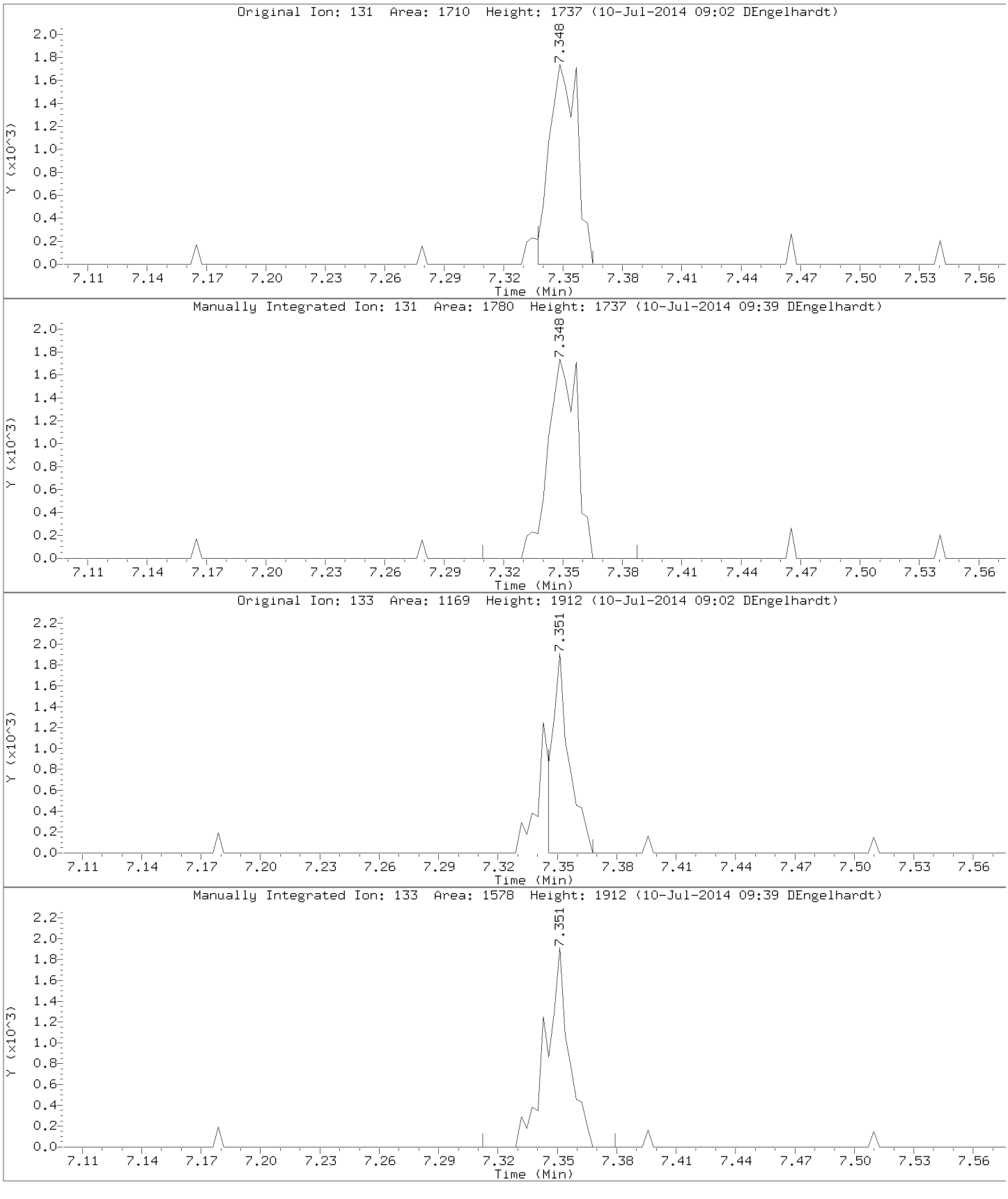
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,1,1,2-Tetrachloroethane
CAS Number: 630-20-6



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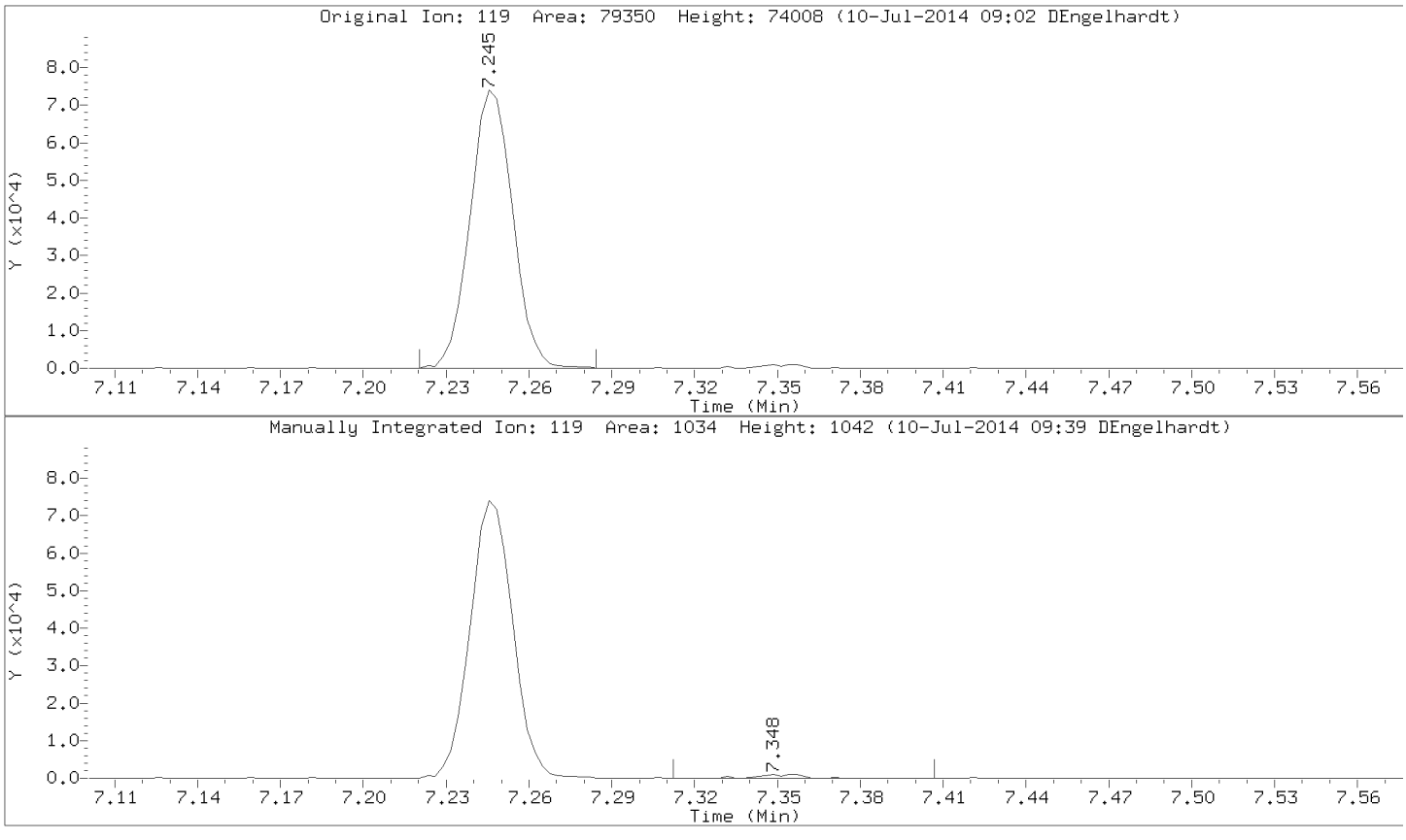
Lab Sample ID: 8260-CAL3,72089:0



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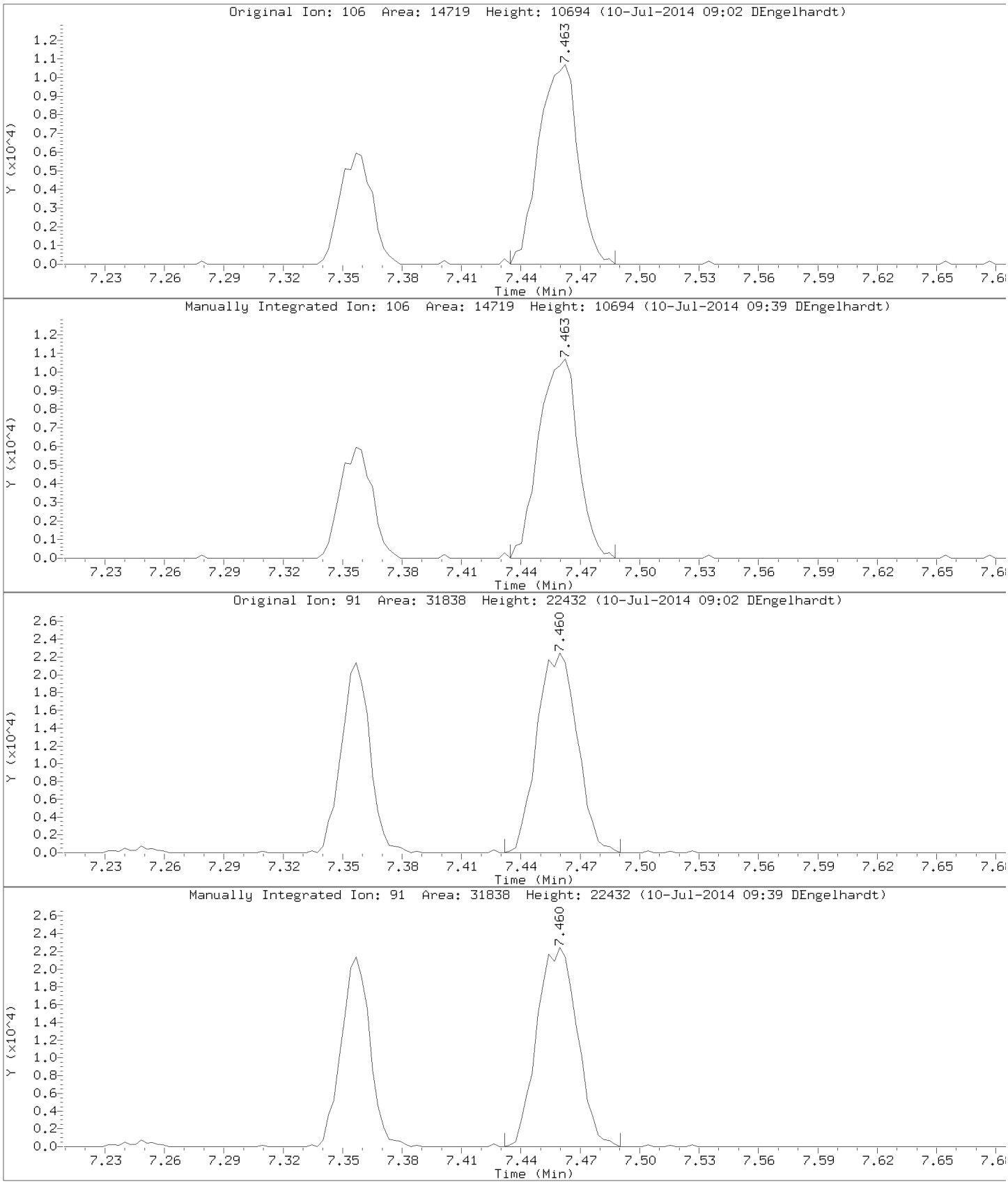
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: m&p-Xylene
CAS Number: 7816-60-0



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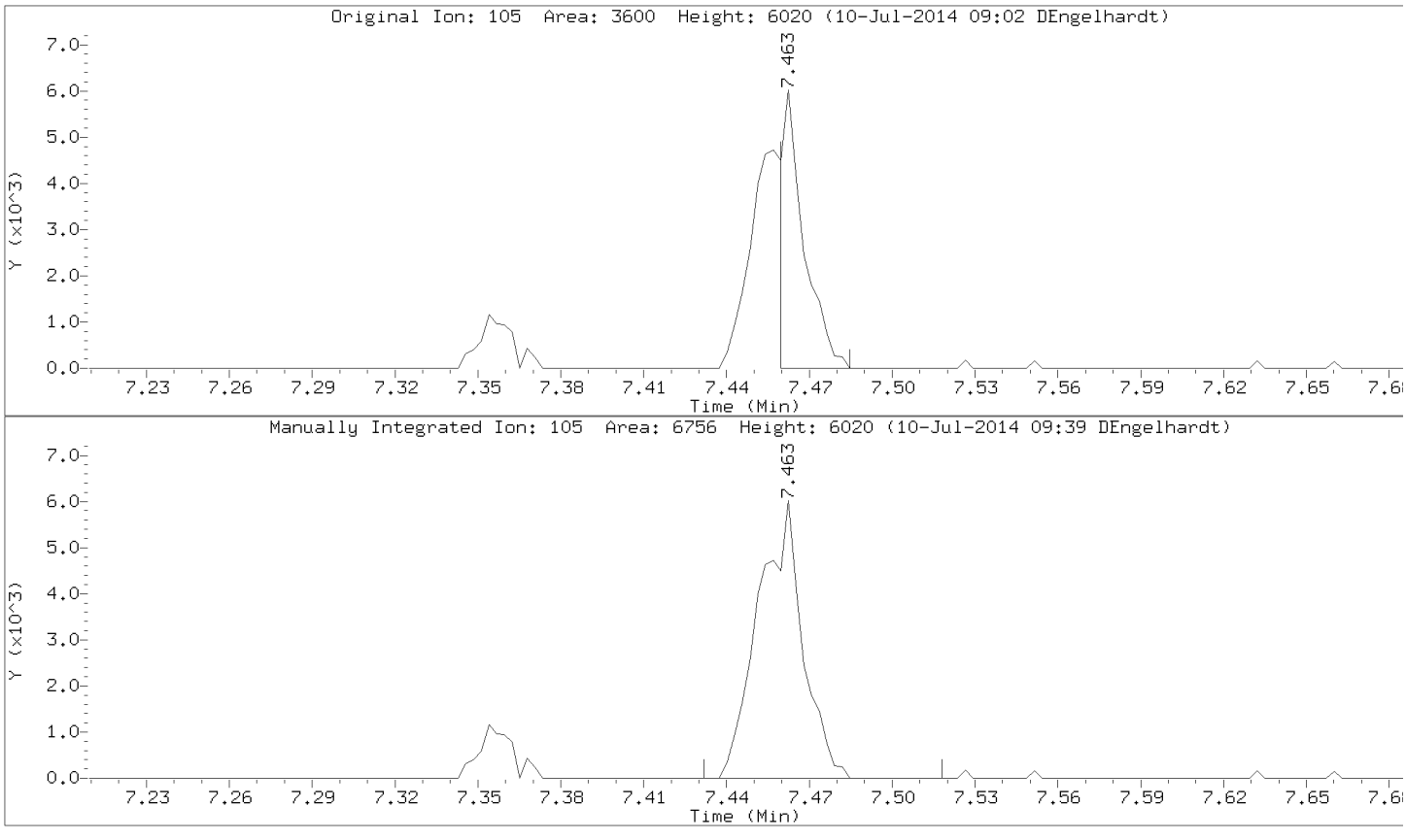

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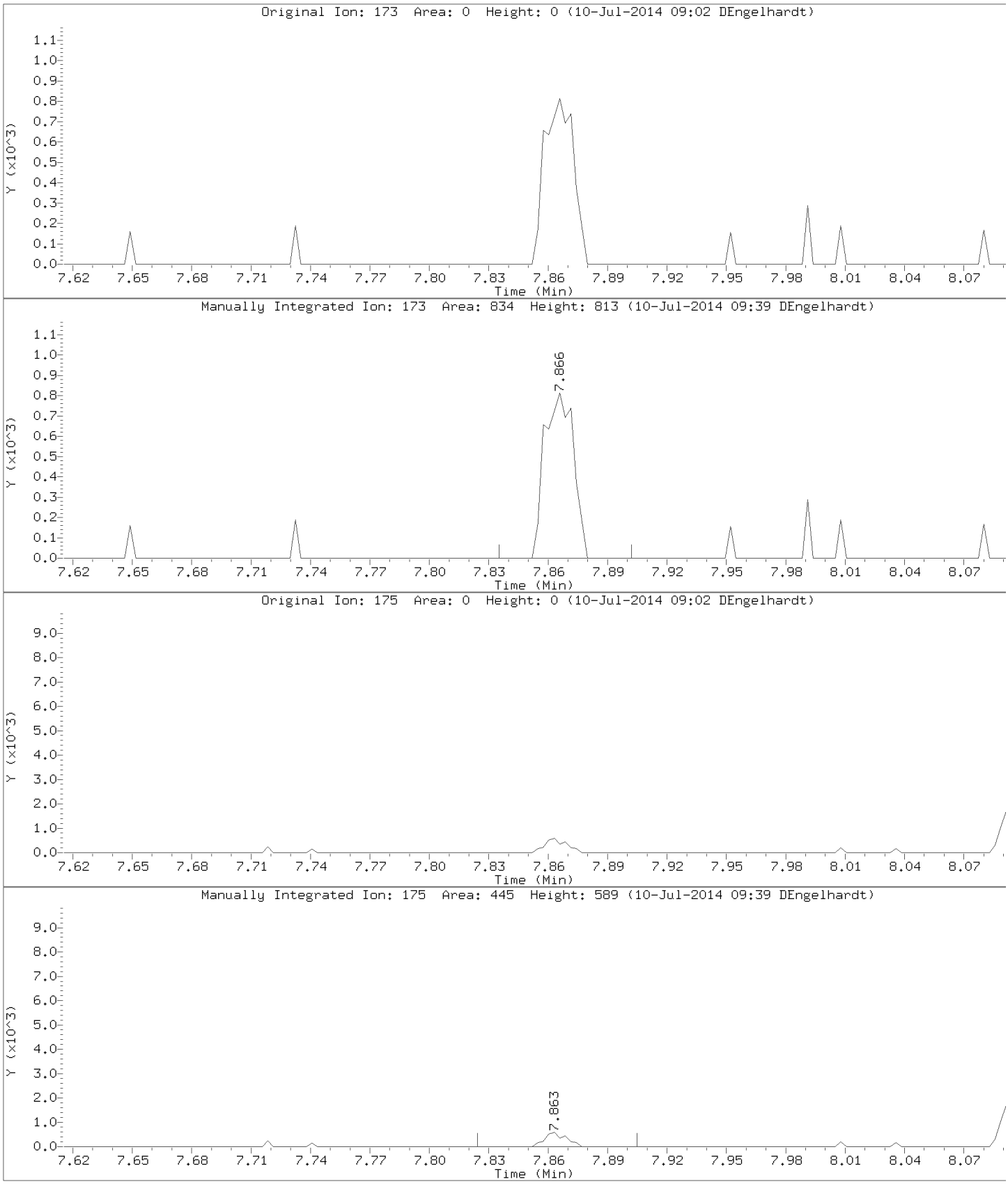
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: Bromoform
CAS Number: 75-25-2



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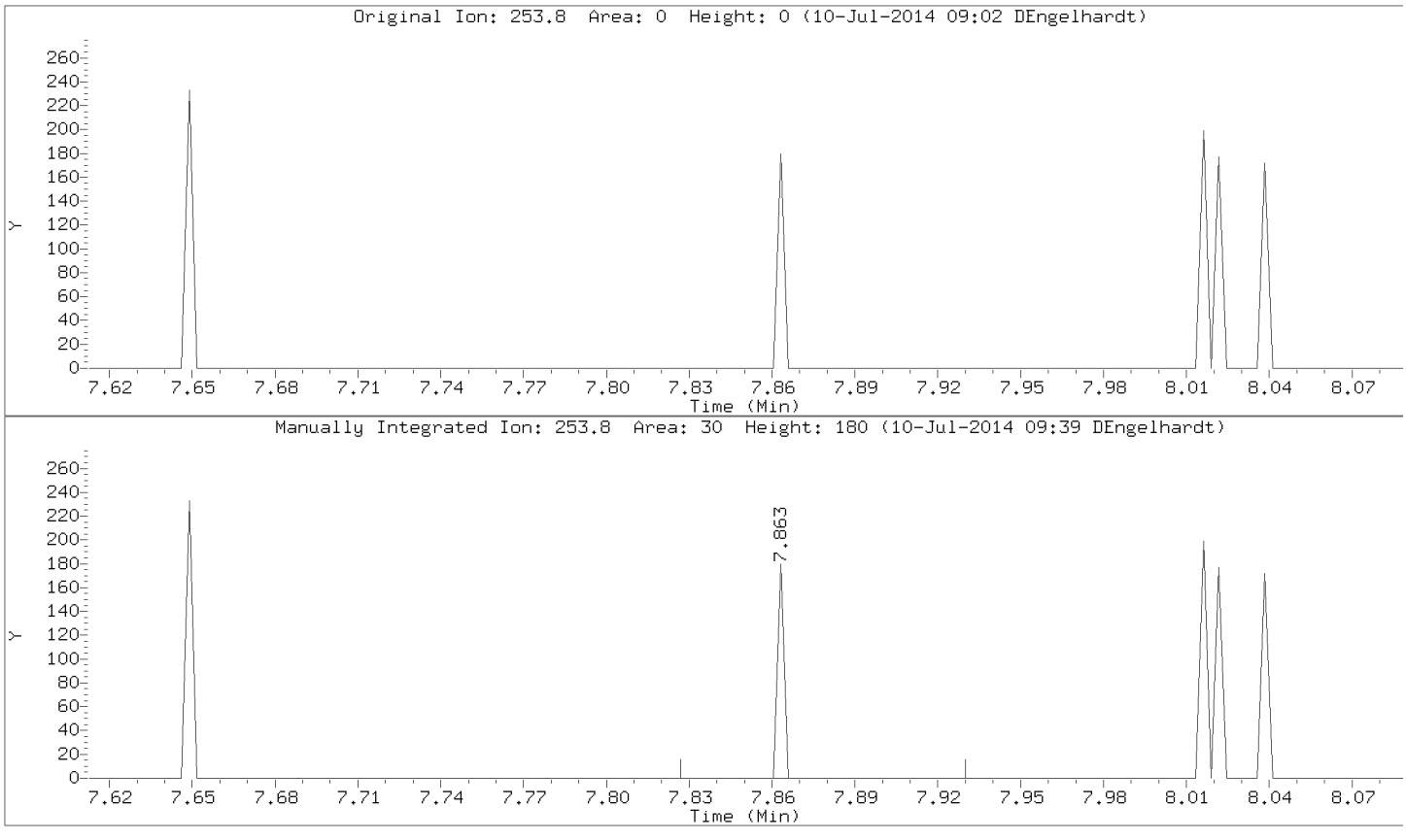
Lab Sample ID: 8260-CAL3,72089:0



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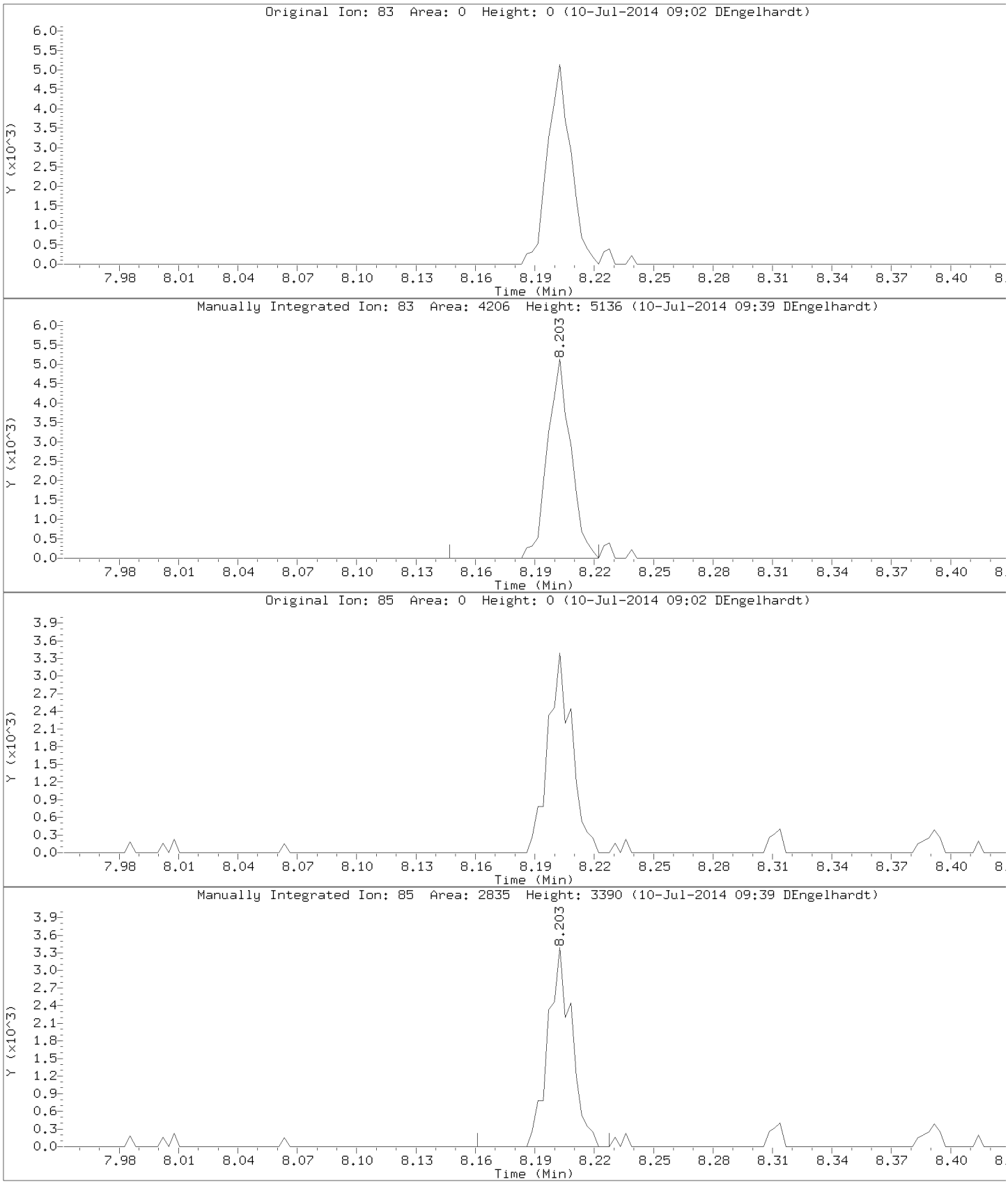
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5



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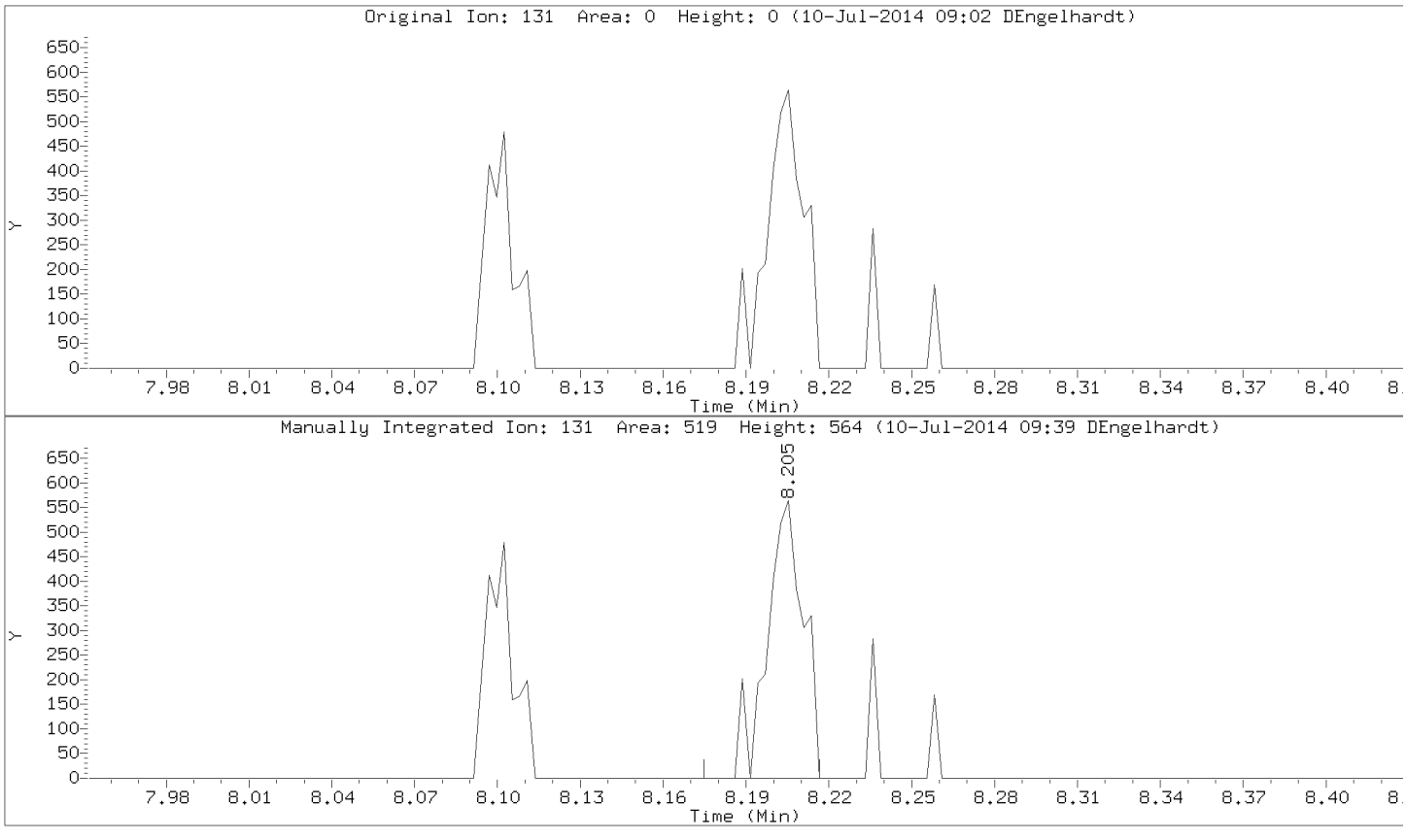

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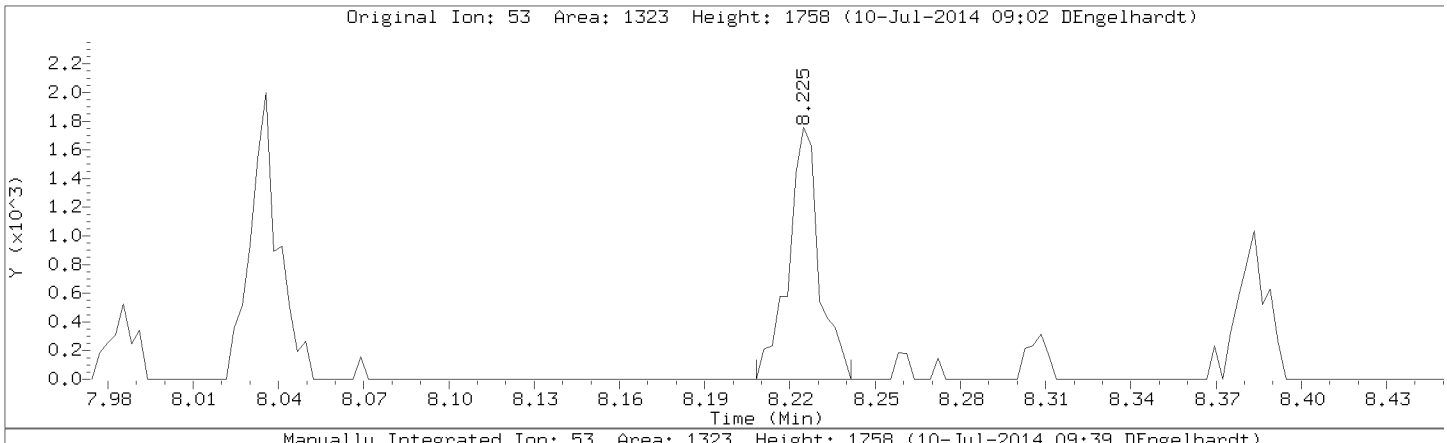
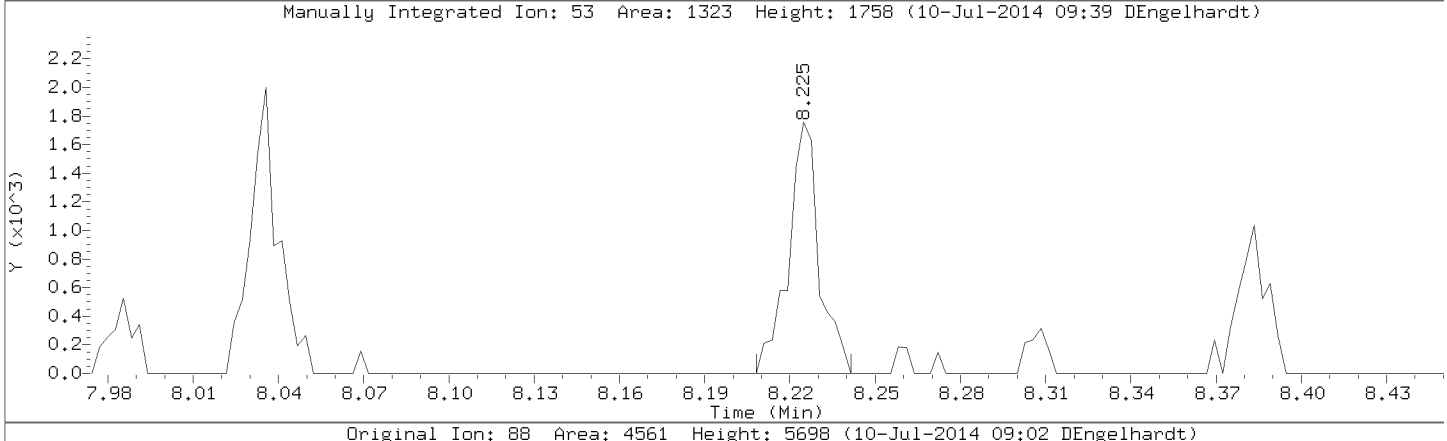
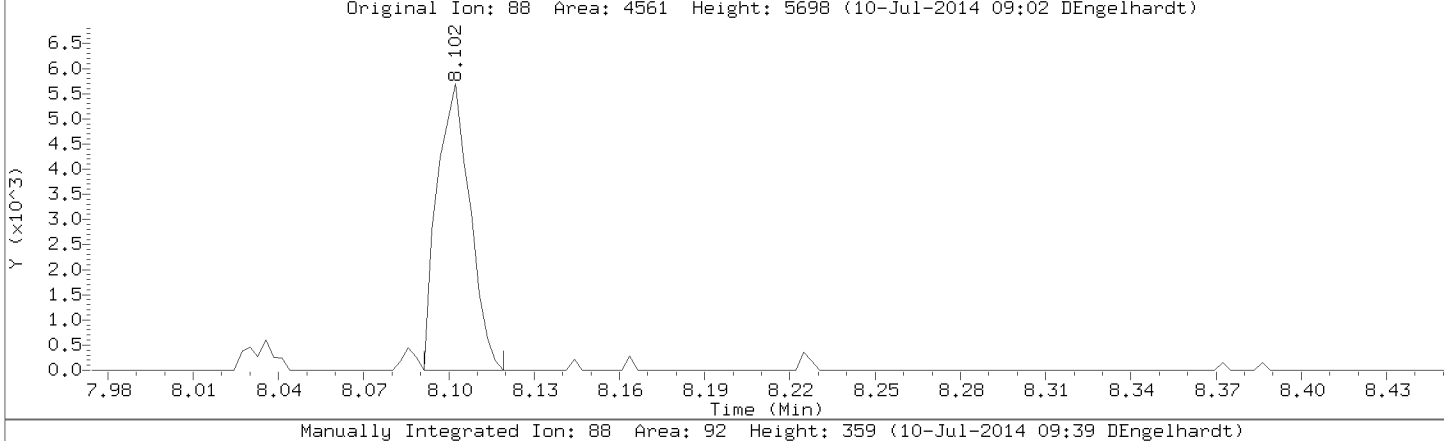
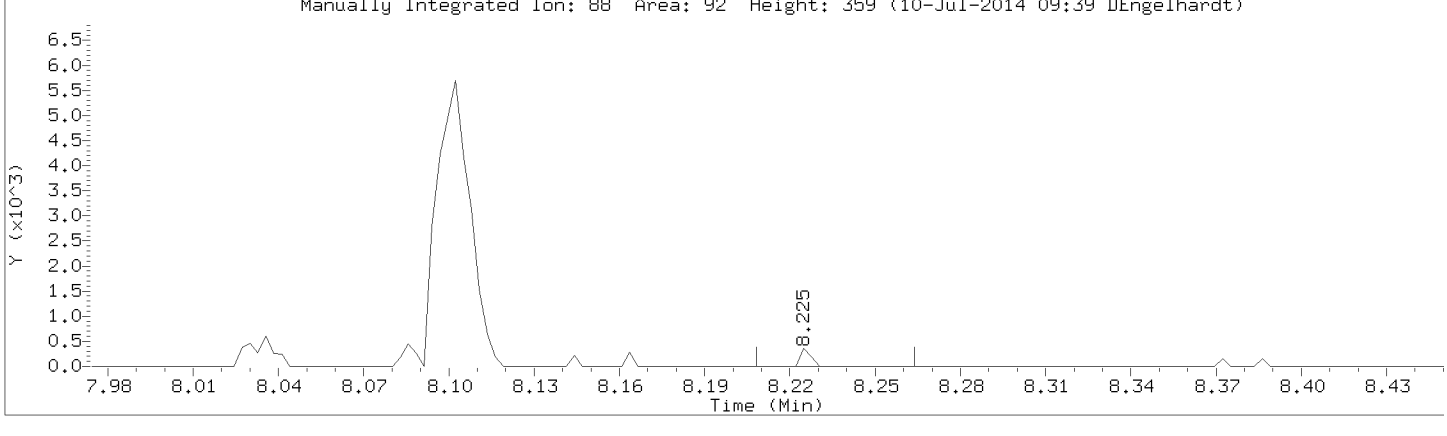
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

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









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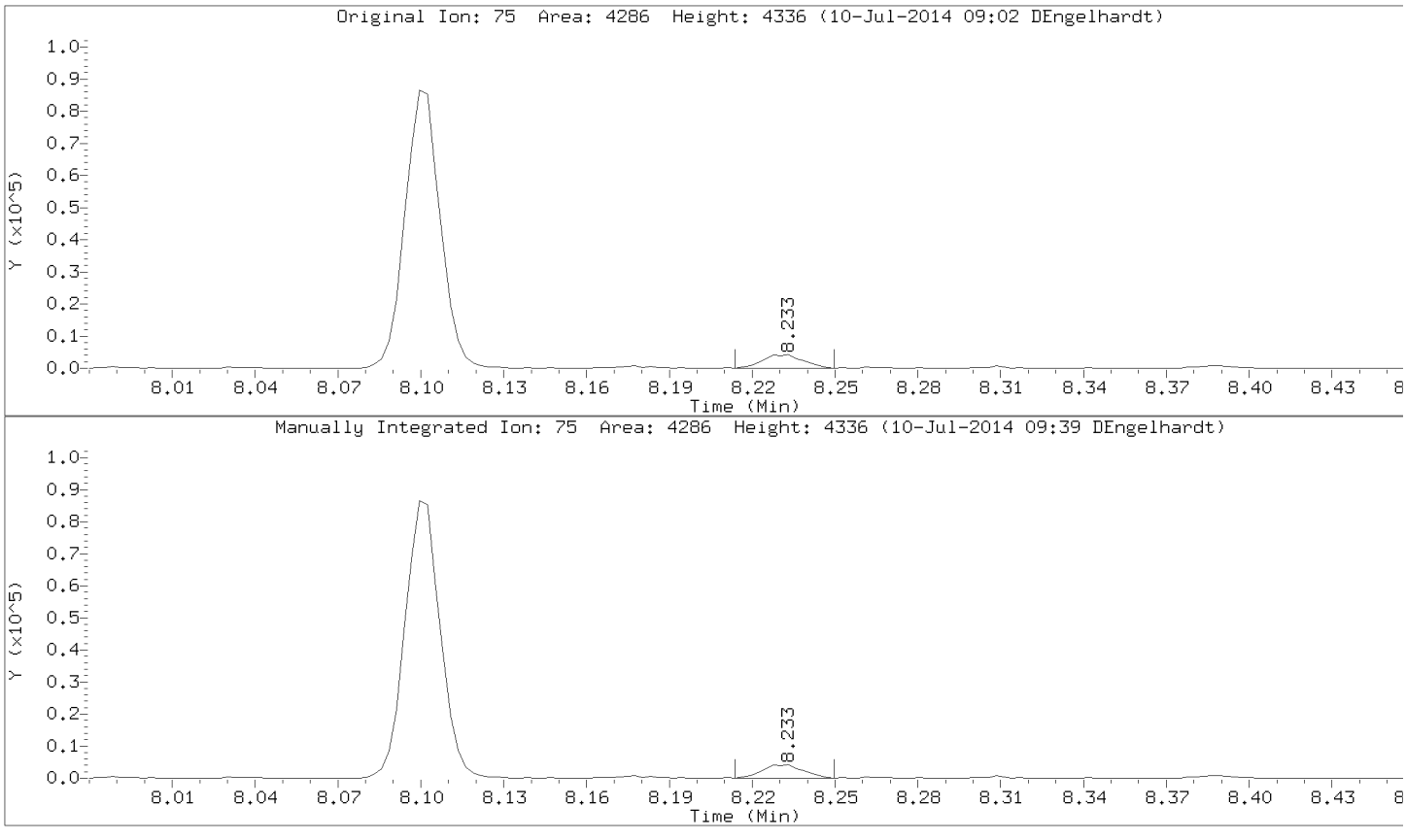

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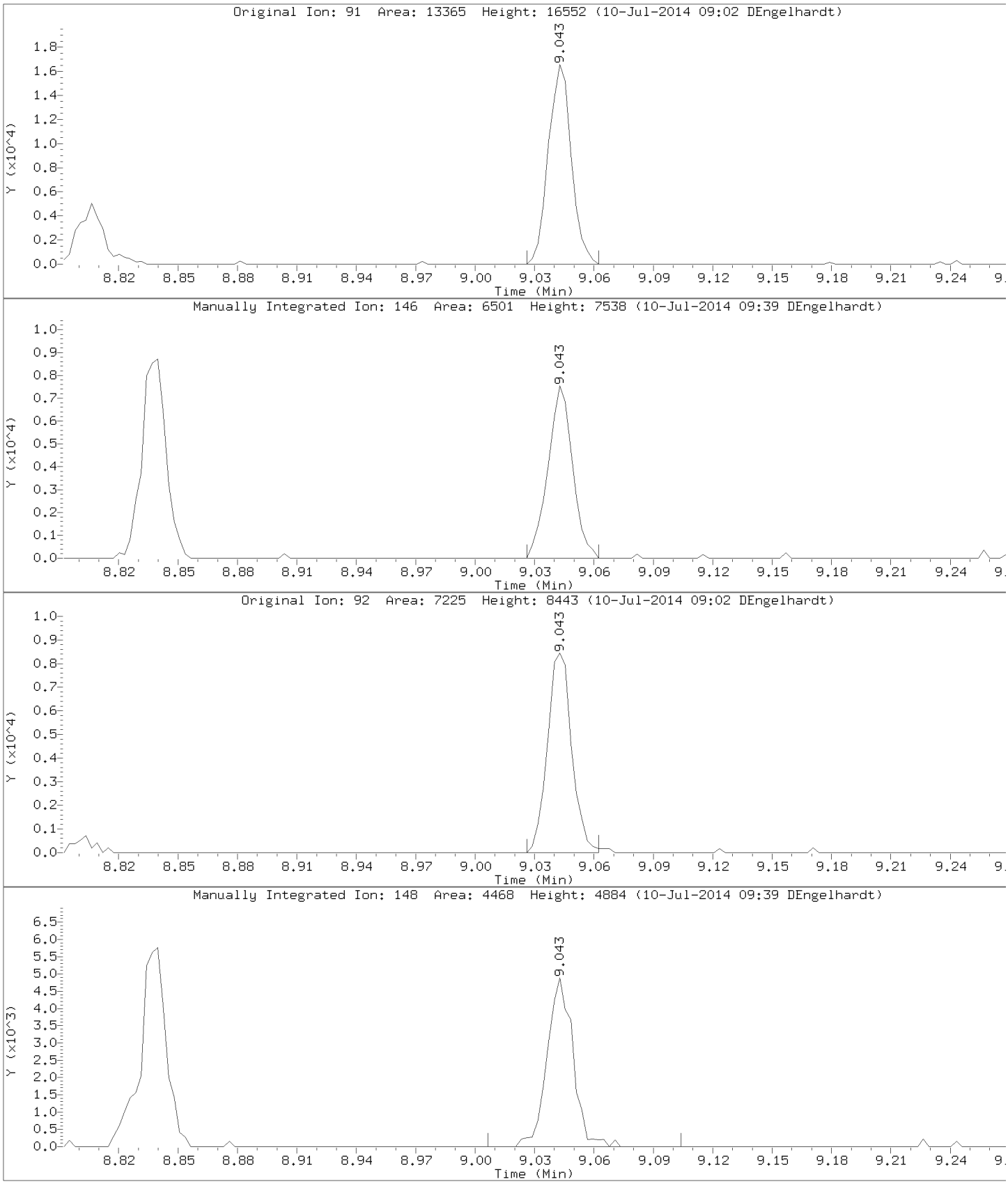
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

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



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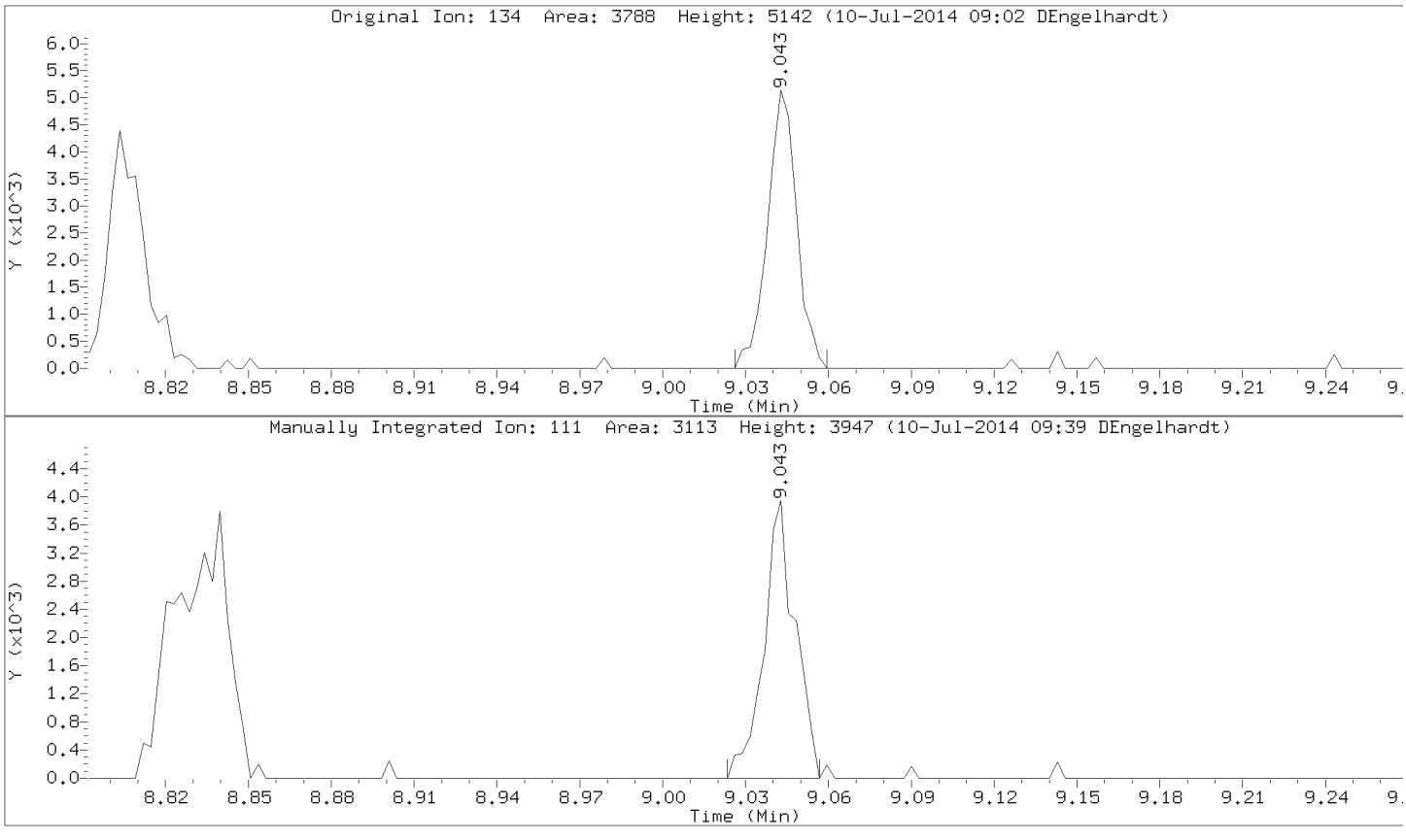

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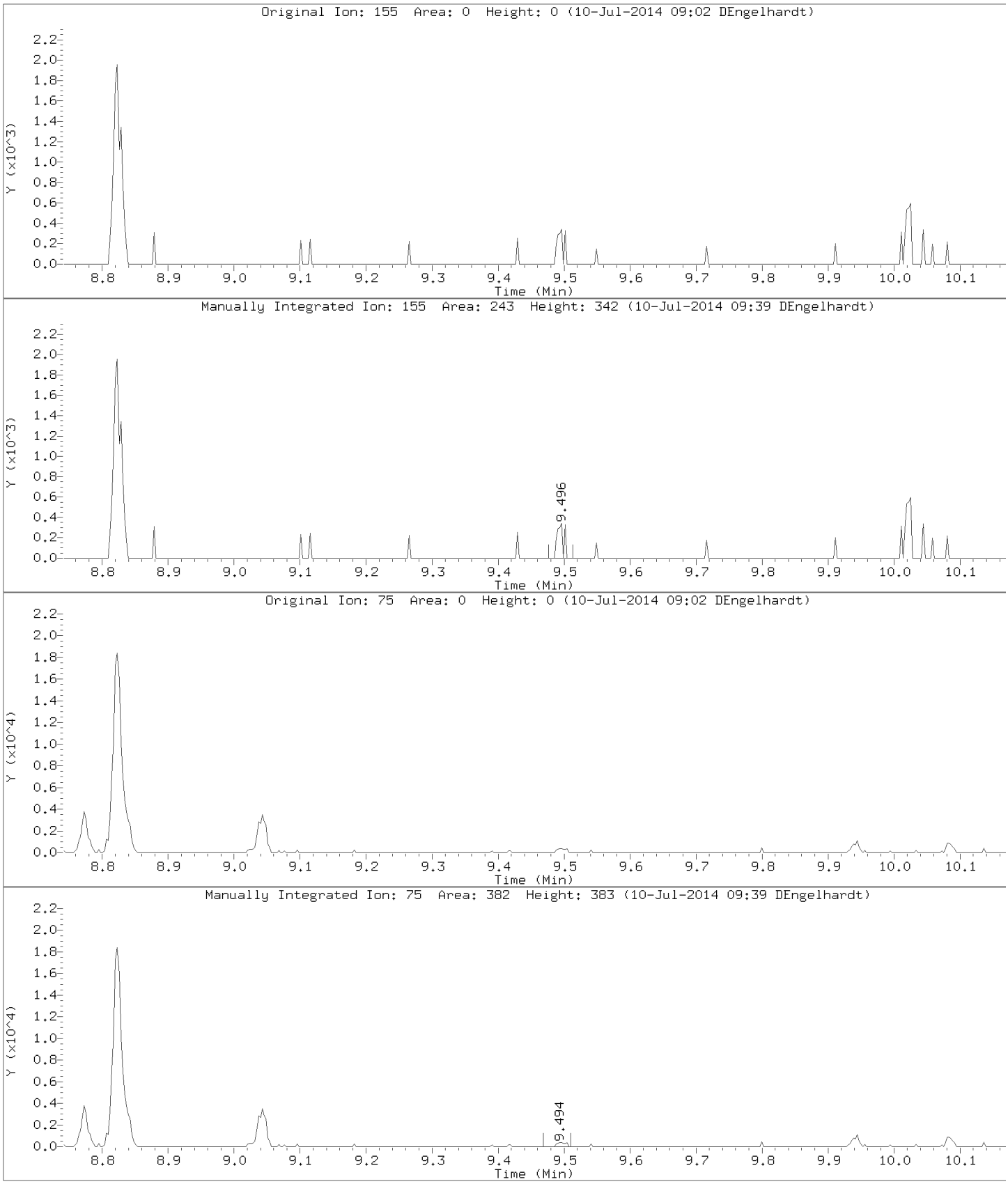
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8



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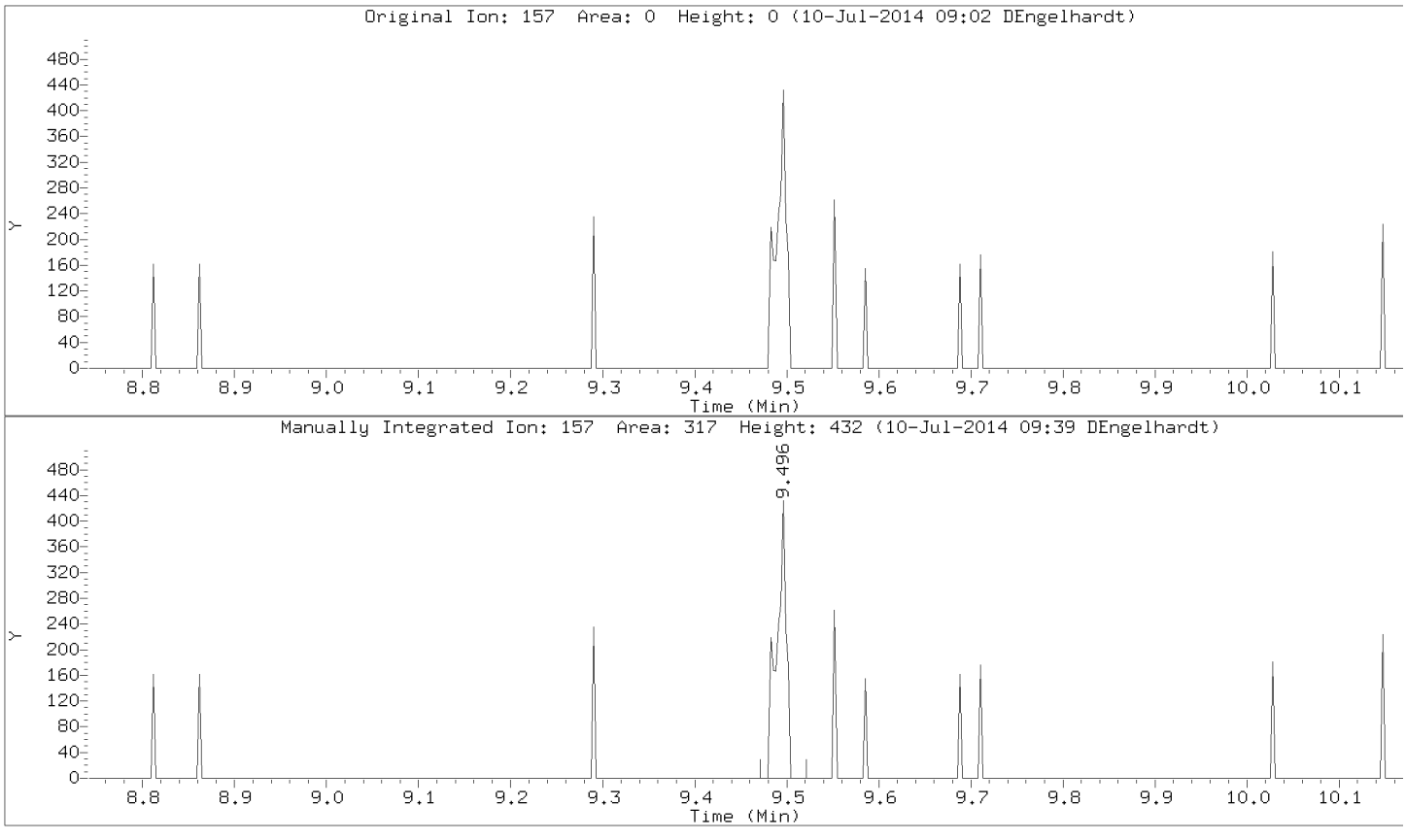

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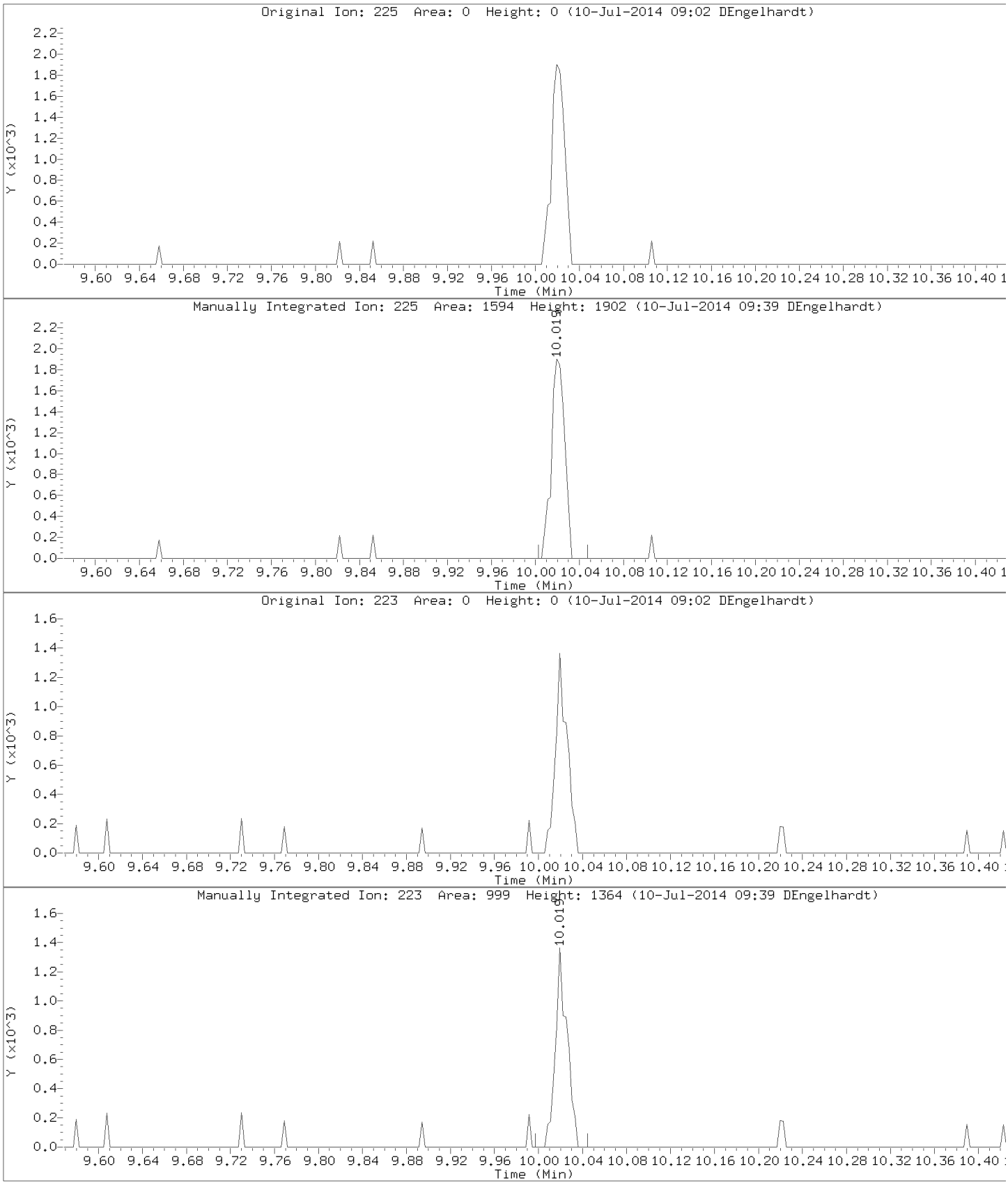
Lab Sample ID: 8260-CAL3,72089:0

Compound: Hexachlorobutadiene
CAS Number: 87-68-3



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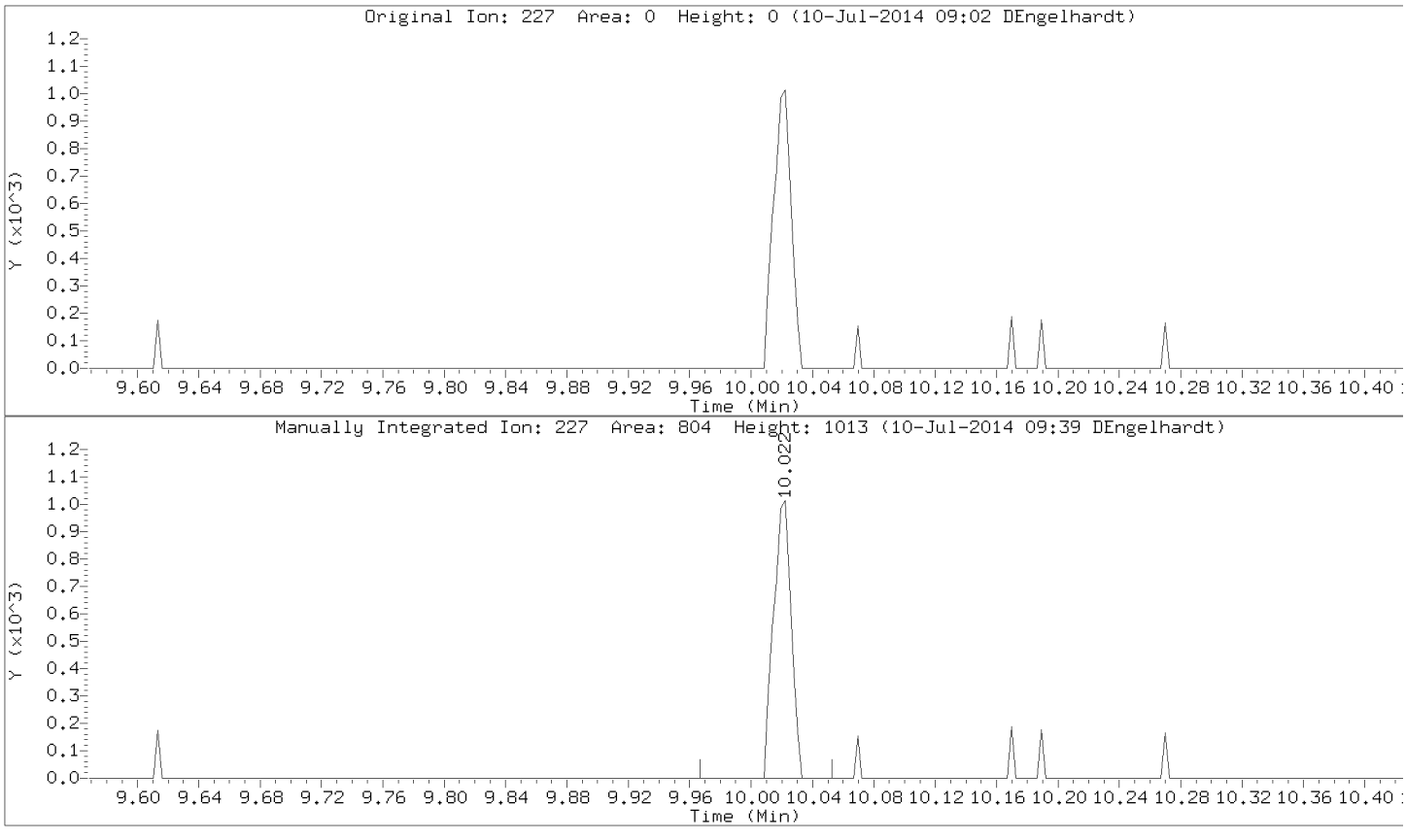

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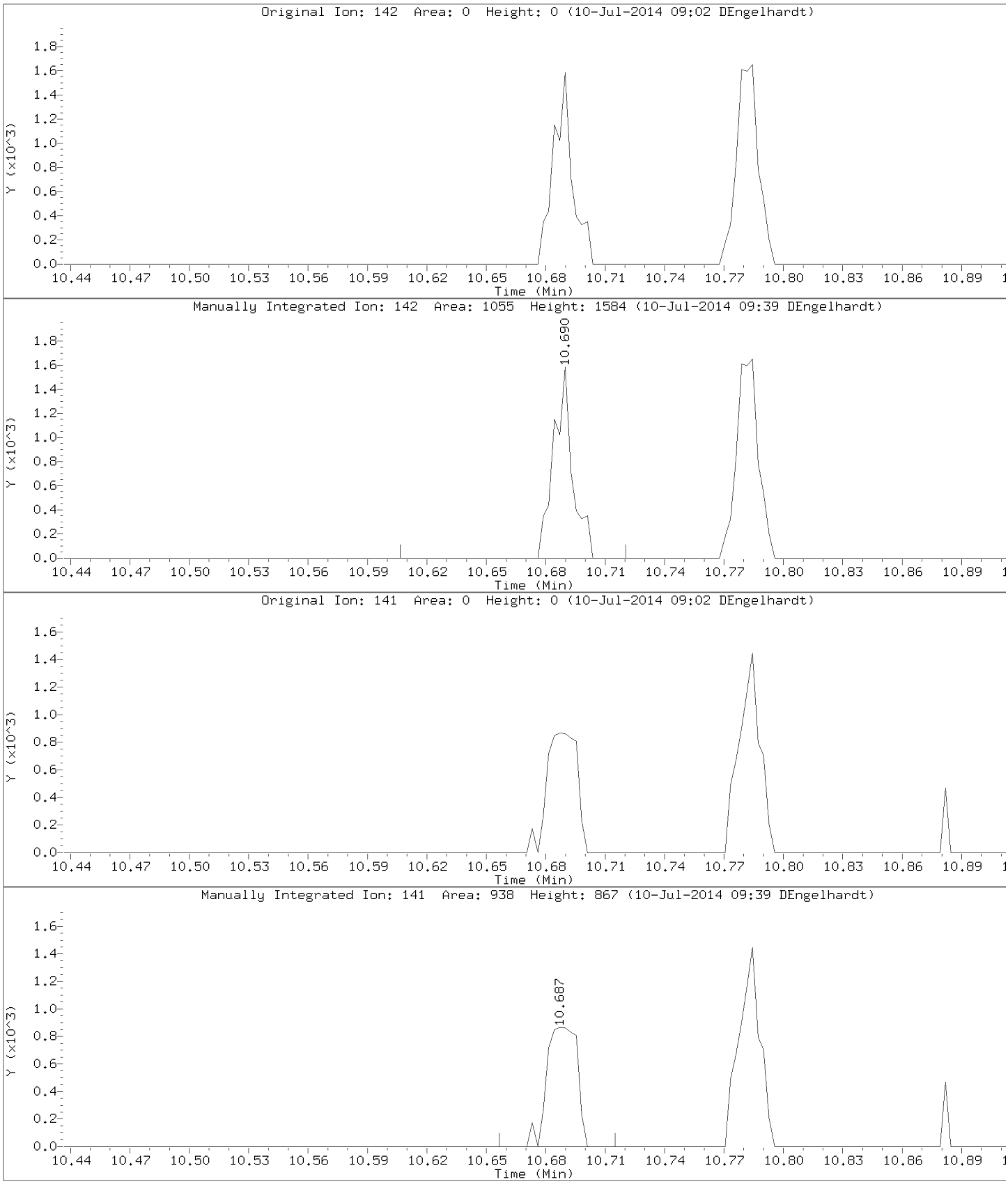
Lab Sample ID: 8260-CAL3,72089:0

Compound: 2,methyl-naphthalene
CAS Number:



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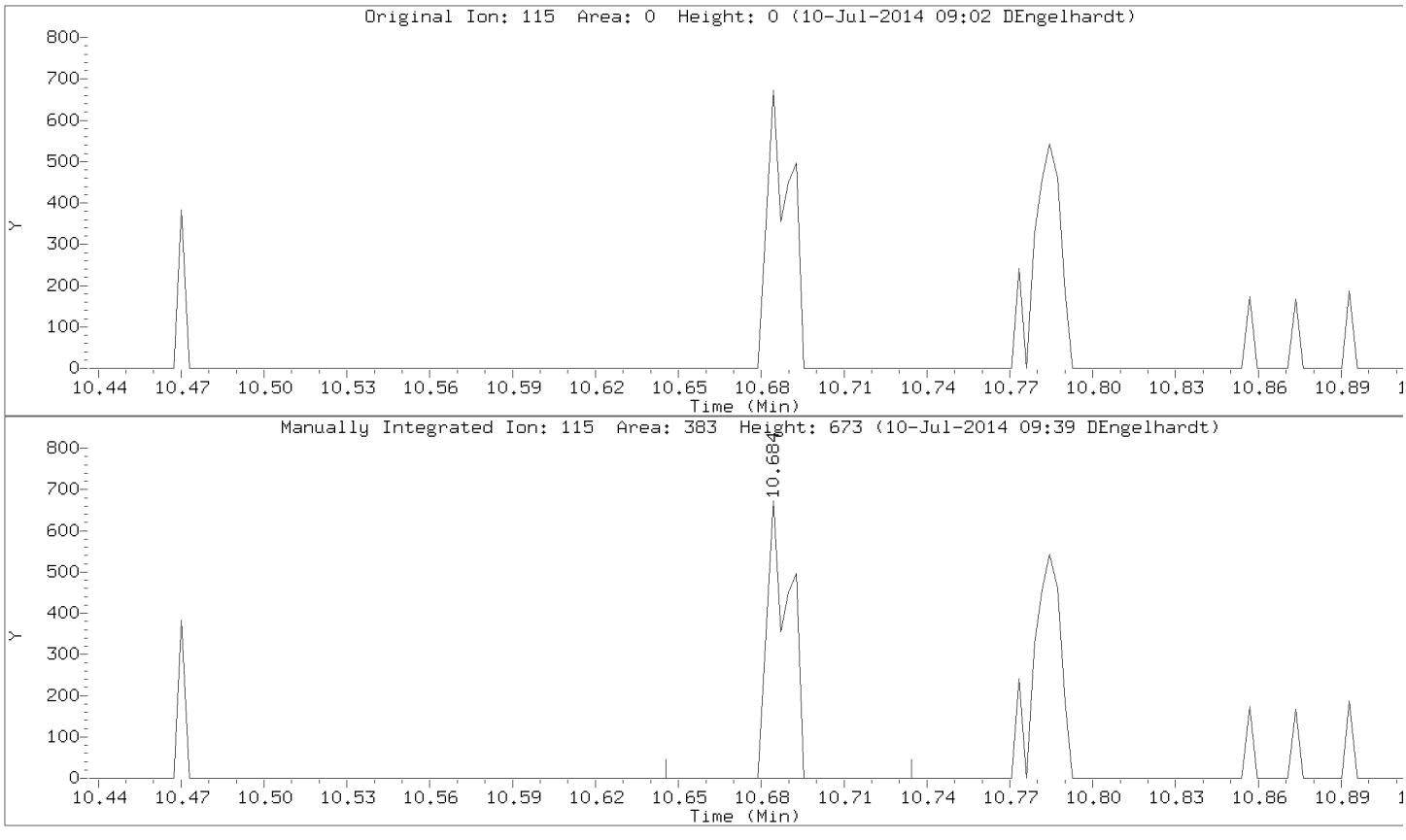

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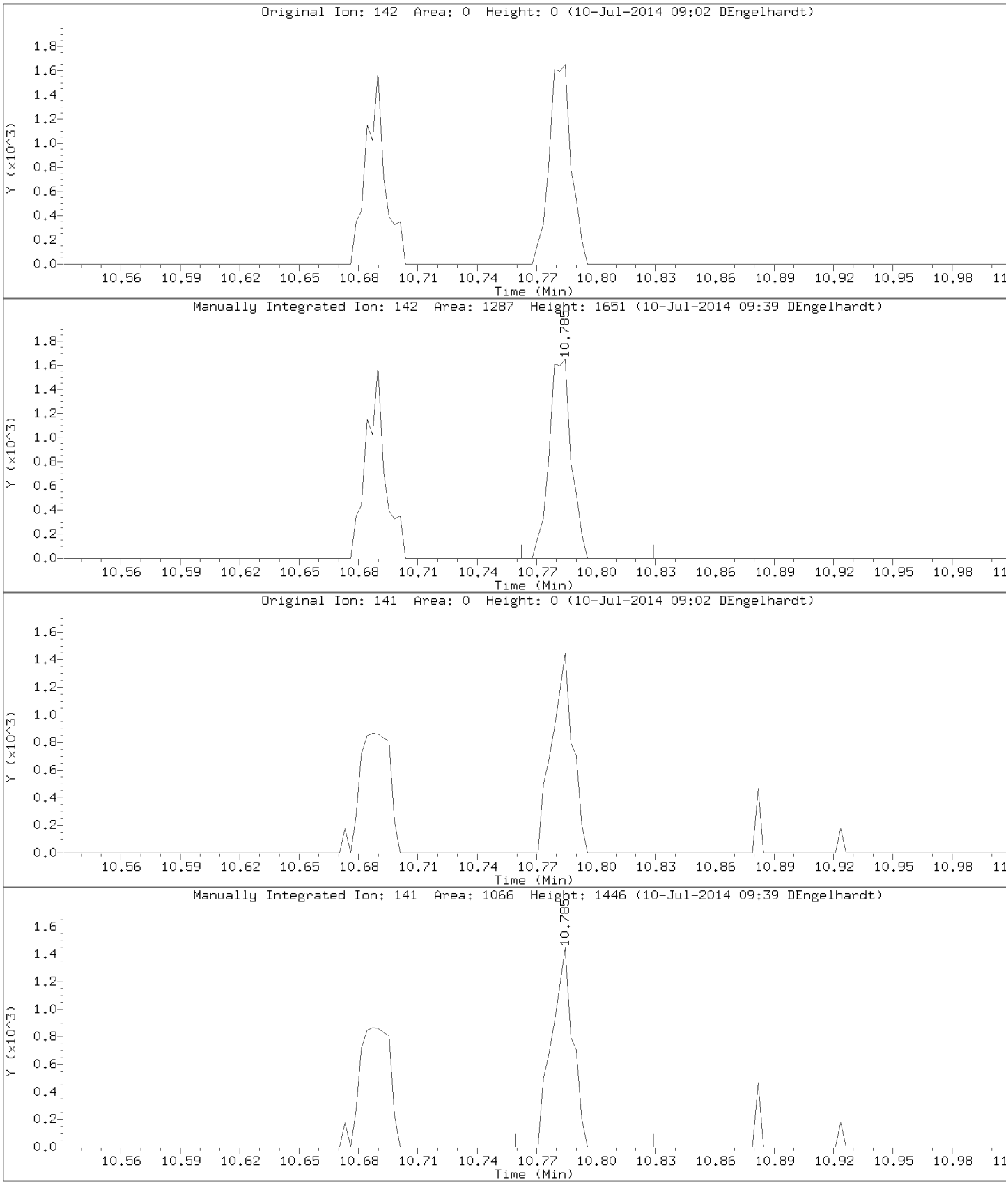
Injection Date: 09-JUL-2014 17:24
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL3,72089:0

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



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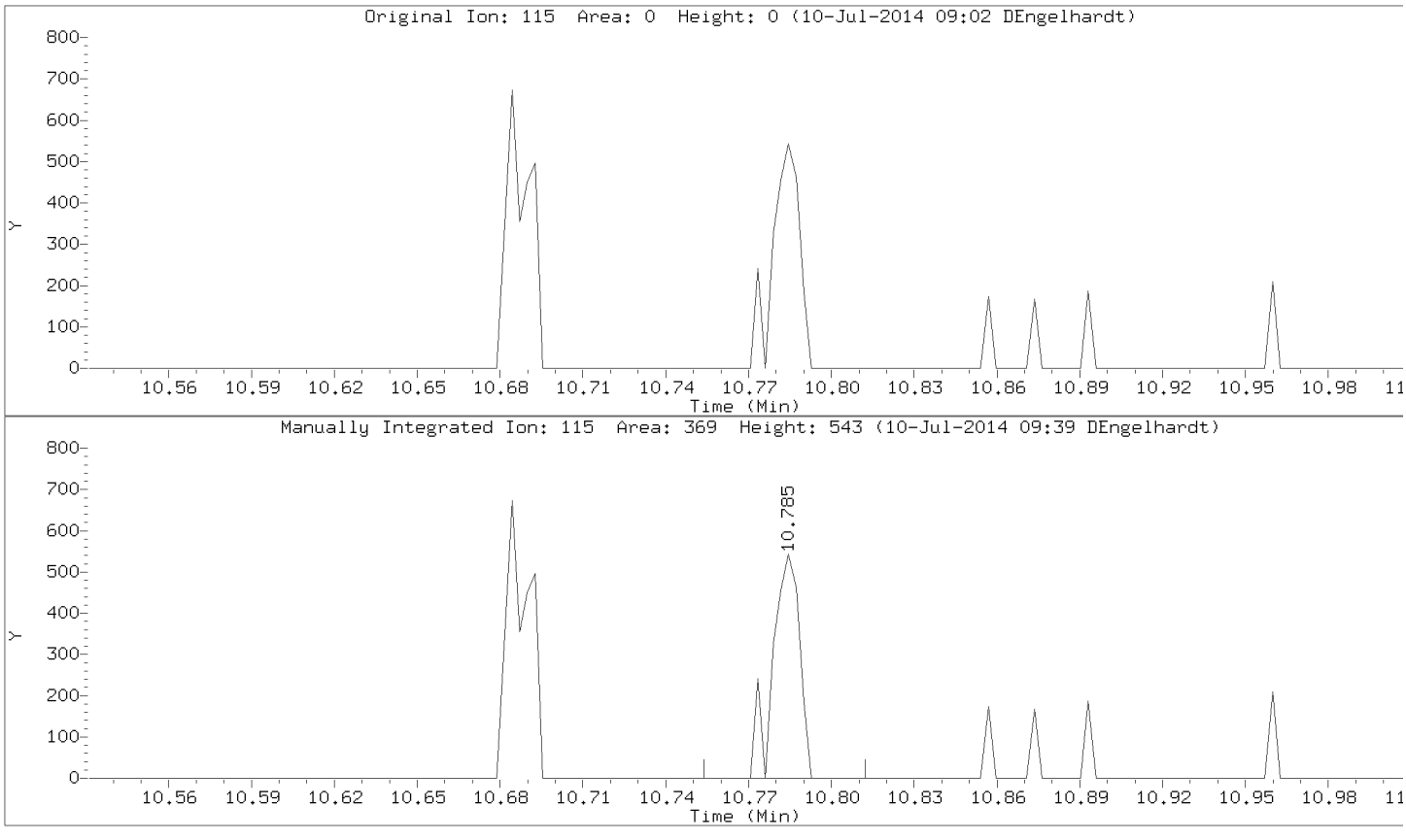
Lab Sample ID: 8260-CAL3,72089:0



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Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a09cal4.d
Lab Smp Id: 8260-CAL4,72090:0 Client Smp ID: 8260-CAL4,72090:0
Inj Date : 09-JUL-2014 17:57
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal4,72090:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 10 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	15518	5.00000	4.55	
2	Chloromethane	50	1.027	1.024	(0.247)	17274	5.00000	4.35	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	14977	5.00000	4.52	
4	Bromomethane	94	1.219	1.213	(0.293)	3602	5.00000	3.90(M)	
5	Chloroethane	64	1.263	1.260	(0.304)	8911	5.00000	4.53	
6	Trichlorofluoromethane	101	1.374	1.372	(0.331)	20921	5.00000	4.82	
7	Diethyl ether	74	1.494	1.494	(0.359)	6529	5.00000	5.46(Q)	
8	1,2-dichlorotrifluoroethane	67	1.513	1.511	(0.364)	14006	5.00000	4.73	
9	Acrolein	56	1.566	1.566	(0.377)	38814	100.000	97.6	
10	1,1,2trichlorotrifluoroethane	101	1.616	1.616	(0.389)	10374	5.00000	4.99	
11	1,1-Dichloroethene	96	1.625	1.622	(0.391)	9016	5.00000	4.89	
12	Acetone	43	1.633	1.630	(0.393)	26483	25.0000	18.2	
13	Iodomethane	142	1.711	1.708	(0.411)	8982	10.0000	4.81(M)	
14	Carbon Disulfide	76	1.756	1.753	(0.422)	51328	10.0000	9.32	
15	Methyl Acetate	43	1.797	1.797	(0.432)	13520	5.00000	4.60	
16	Acetonitrile	39	1.814	1.814	(0.436)	31966	5.00000	4.91	
17	allyl chloride	41	1.814	1.814	(0.436)	43031	10.0000	10.0	
18	Methylene Chloride	84	1.886	1.886	(0.454)	14684	5.00000	1.24	
19	tert-Butyl Alcohol	59	1.925	1.922	(0.463)	2091	10.0000	6.27(QM)	
20	Acrylonitrile	53	2.020	2.020	(0.486)	117000	100.000	100	
21	Methyl-tert-butyl ether	73	2.045	2.045	(0.492)	58785	10.0000	9.83	
22	1,2-Dichloroethene (trans)	96	2.056	2.056	(0.494)	10169	5.00000	5.42	
23	n-Hexane	57	2.242	2.237	(0.539)	19542	5.00000	4.49	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.351	2.348	(0.565)	117170	20.0000	20.3	
	25 1,1-Dichloroethane	63	2.356	2.357	(0.567)	21813	5.00000	5.12	
	26 Chloroprene	53	2.409	2.412	(0.579)	24128	5.00000	4.68	
	28 2-Butanone	43	2.813	2.810	(0.676)	44756	25.0000	24.6(M)	
	29 1,2-Dichloroethene (cis)	96	2.827	2.824	(0.680)	12766	5.00000	4.43	
	30 2,2-Dichloropropane	77	2.838	2.830	(0.682)	7842	5.00000	4.50(M)	
	31 Propionitrile	54	2.863	2.866	(0.688)	2581	5.00000	6.55(QM)	
	32 Methacrylonitrile	41	3.010	3.013	(0.724)	10411	20.0000	18.9(M)	
	33 Bromochloromethane	49	3.055	3.052	(0.734)	13406	5.00000	4.50(M)	
	34 Tetrahydrofuran	42	3.069	3.066	(0.738)	5516	5.00000	2.36(M)	
	35 Chloroform	83	3.161	3.161	(0.760)	20093	5.00000	5.03	
$	36 Dibromofluoromethane (S)	113	3.336	3.333	(0.802)	90634	50.0000	51.7	
	37 1,1,1-Trichloroethane	97	3.339	3.339	(0.803)	11571	5.00000	4.98(M)	
	38 cyclohexane	56	3.411	3.414	(0.820)	23969	5.00000	4.60(M)	
	39 Carbon Tetrachloride	117	3.511	3.511	(0.844)	6349	5.00000	4.87(M)	
	40 1,1-Dichloropropene	75	3.522	3.520	(0.847)	14942	5.00000	4.54	
	41 Benzene	78	3.764	3.759	(0.905)	43697	5.00000	4.55(M)	
	42 1,2-Dichloroethane	62	3.845	3.848	(0.924)	19151	5.00000	5.10(M)	
	43 2,2,4-Trimethylpentane	57	3.934	3.931	(0.946)	40535	5.00000	4.48(M)	
	44 Isobutyl alcohol	43	3.926	3.934	(0.944)	8286	5.00000	4.40(M)	
*	45 Fluorobenzene	96	4.159	4.159	(1.000)	379021	50.0000		
	47 Trichloroethene	95	4.602	4.602	(1.106)	11734	5.00000	4.32	
	48 Methylcyclohexane	55	4.863	4.858	(1.169)	17504	5.00000	4.49	
	49 1,2-Dichloropropane	63	4.899	4.899	(1.178)	11968	5.00000	5.09(M)	
	50 1,4-Dioxane	88	5.005	4.997	(1.203)	1665	5.00000	9.34(QM)	
	51 Dibromomethane	93	4.994	4.989	(1.201)	6053	5.00000	4.76(M)	
	52 Methyl methacrylate	69	5.008	5.008	(1.204)	6056	5.00000	4.82(M)	
	53 Bromodichloromethane	83	5.208	5.208	(1.252)	9333	5.00000	4.90(M)	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	15141	10.0000	10.2(M)	
	55 cis-1,3-Dichloropropene	75	5.678	5.679	(0.784)	9160	5.00000	5.51(M)	
	56 4-Methyl-2-Pentanone	43	5.848	5.845	(0.807)	73056	25.0000	26.3	
$	57 Toluene-d8	98	5.937	5.934	(0.820)	367478	50.0000	49.2	
	58 Toluene	91	6.007	6.004	(0.829)	45559	5.00000	4.57	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	5829	5.00000	4.56(M)	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	10202	5.00000	4.46(M)	
	61 1,1,2-Trichloroethane	83	6.458	6.458	(0.891)	7199	5.00000	4.12	
	62 Tetrachloroethene	166	6.508	6.505	(0.898)	9408	5.00000	4.70	
	63 1,3-Dichloropropane	76	6.597	6.599	(0.911)	16796	5.00000	4.60	
	64 2-Hexanone	43	6.672	6.672	(0.921)	49226	25.0000	25.4	
	65 Dibromochloromethane	129	6.780	6.783	(0.936)	4408	5.00000	5.35	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.948)	6938	5.00000	4.70	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	258575	50.0000		
	68 Chlorobenzene	112	7.267	7.267	(1.003)	26933	5.00000	4.69	
	69 1,1,1,2-Tetrachloroethane	131	7.348	7.348	(1.014)	4139	5.00000	4.50	
	70 Ethylbenzene	106	7.353	7.356	(1.015)	15177	5.00000	4.56(Q)	
	71 m&p-Xylene	106	7.459	7.459	(1.030)	35625	10.0000	9.29	
	72 o-Xylene	106	7.729	7.729	(1.067)	16944	5.00000	5.19	
	73 Styrene	104	7.746	7.746	(1.069)	28843	5.00000	5.17	
	74 Bromoform	173	7.865	7.865	(0.892)	1960	5.00000	4.58(M)	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	43011	5.00000	4.72	
$	76 4-Bromofluorobenzene	95	8.099	8.102	(1.118)	142846	50.0000	49.5	
	77 n-amyl acetate	70	8.102	8.099	(1.118)	1500	5.00000	(QM)	
	78 Bromobenzene	77	8.180	8.180	(1.129)	19300	5.00000	4.81	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	10334	5.00000	4.65	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
80	trans-1,4-Dichloro-2-butene	53	8.230	8.224	(1.136)	2985	5.00000	3.82(QM)	
81	1,2,3-Trichloropropane	110	8.230	8.233	(0.933)	3716	5.00000	4.93	
82	n-Propylbenzene	91	8.260	8.260	(0.936)	56447	5.00000	4.73	
83	2-Chlorotoluene	91	8.311	8.308	(0.942)	34598	5.00000	4.98	
84	1,3,5-Trimethylbenzene	105	8.380	8.380	(0.950)	37796	5.00000	5.15	
85	4-Chlorotoluene	126	8.388	8.388	(0.951)	9940	5.00000	4.66	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	31137	5.00000	4.84	
87	1,2,4-Trimethylbenzene	105	8.608	8.611	(0.976)	36750	5.00000	4.58	
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	44003	5.00000	5.01	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	17039	5.00000	4.32	
90	p-Isopropyltoluene	119	8.803	8.803	(0.998)	36226	5.00000	5.07	
* 91	1,4-Dichlorobenzene-d4	152	8.822	8.822	(1.000)	112914	50.0000		
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	18517	5.00000	4.57	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	35603	5.00000	5.05	
94	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	15967	5.00000	4.76	
95	1,2-Dibromo-3-chloropropane	155	9.490	9.493	(1.076)	709	5.00000	8.54(QM)	
96	1,2,4-Trichlorobenzene	180	9.944	9.941	(1.127)	7876	5.00000	5.22	
97	Hexachlorobutadiene	225	10.019	10.022	(1.136)	3525	5.00000	3.44	
98	Naphthalene	128	10.086	10.086	(1.143)	23321	5.00000	4.86	
99	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	7372	5.00000	5.52	
100	2,methyl-naphthalene	142	10.687	10.687	(1.211)	4206	5.00000	6.50(M)	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	3795	5.00000	5.68	

QC Flag Legend

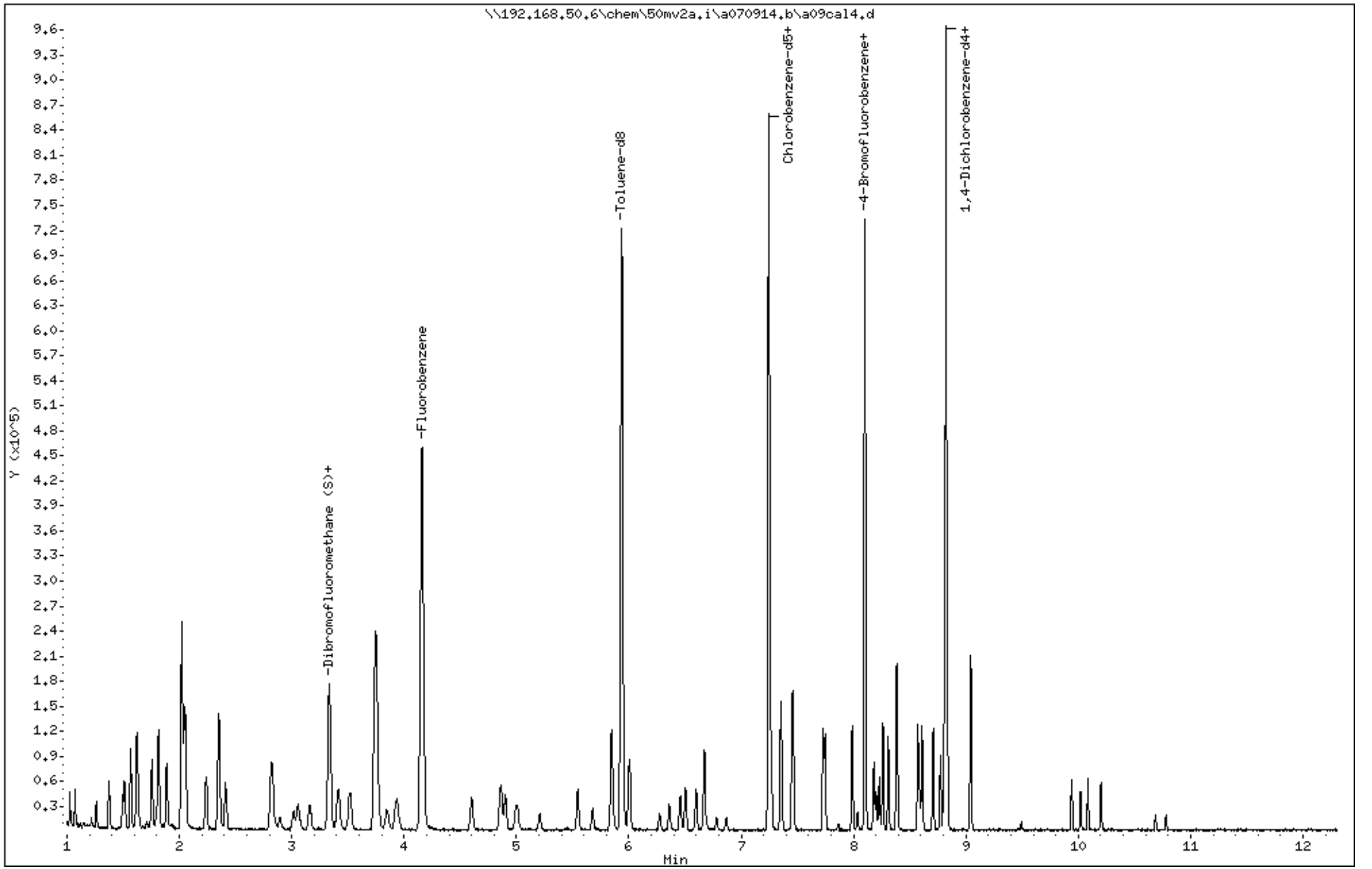
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a09cal4.d
Date : 09-JUL-2014 17:57
Client ID: 8260-CAL4,72090:0
Sample Info: 8260-CAL4,72090:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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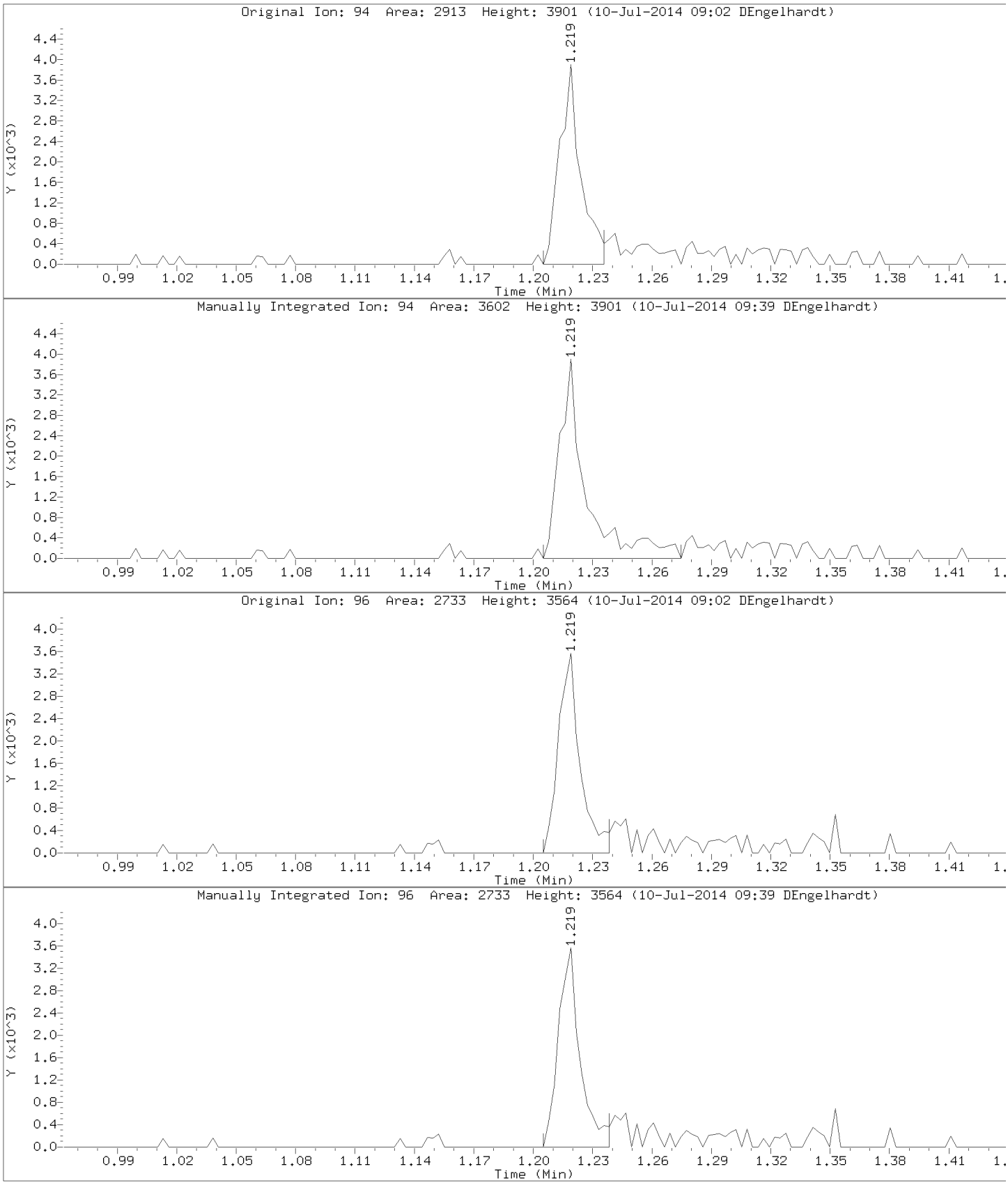
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Bromomethane
CAS Number: 74-83-9



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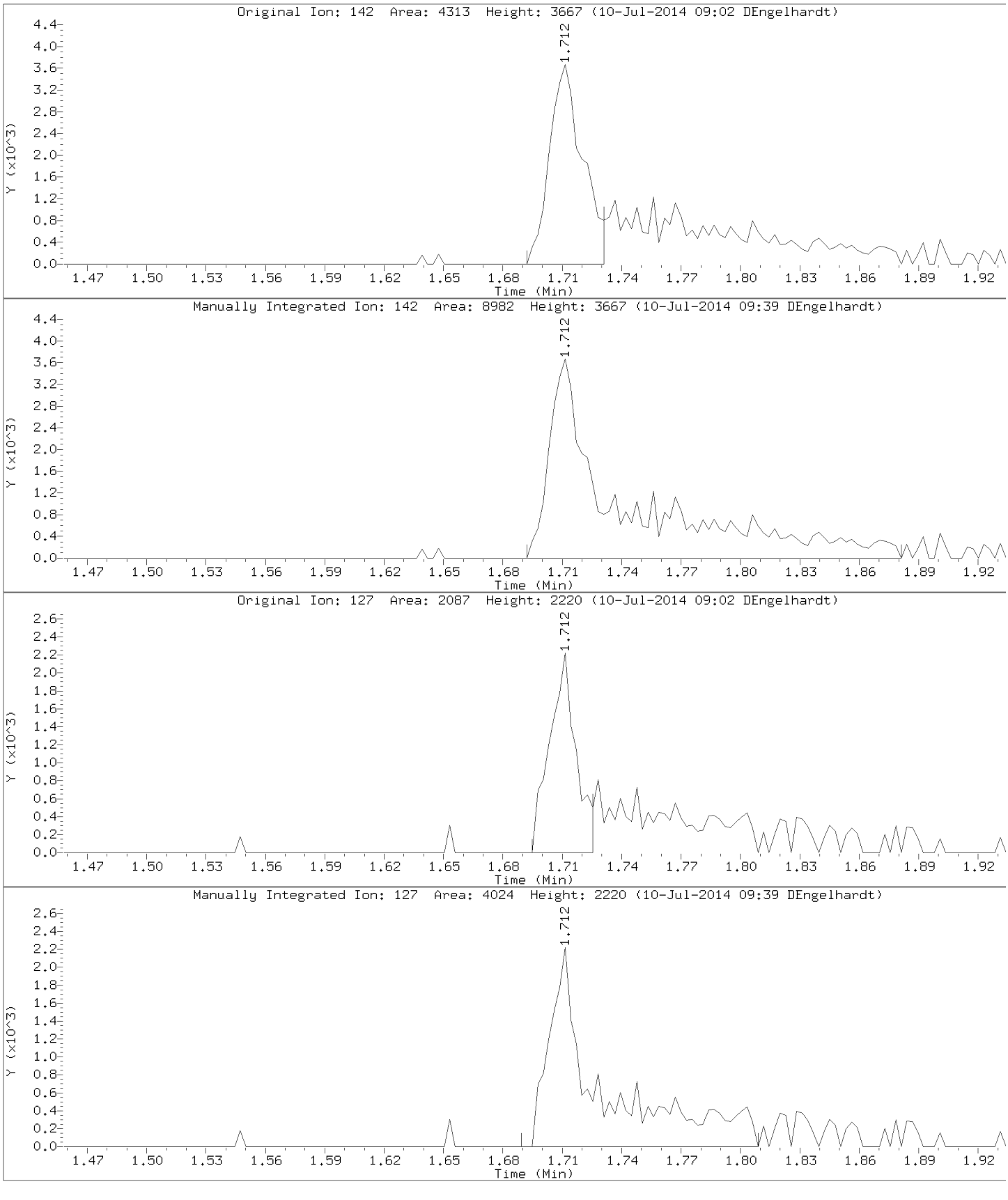
Compound: Iodomethane
CAS Number:



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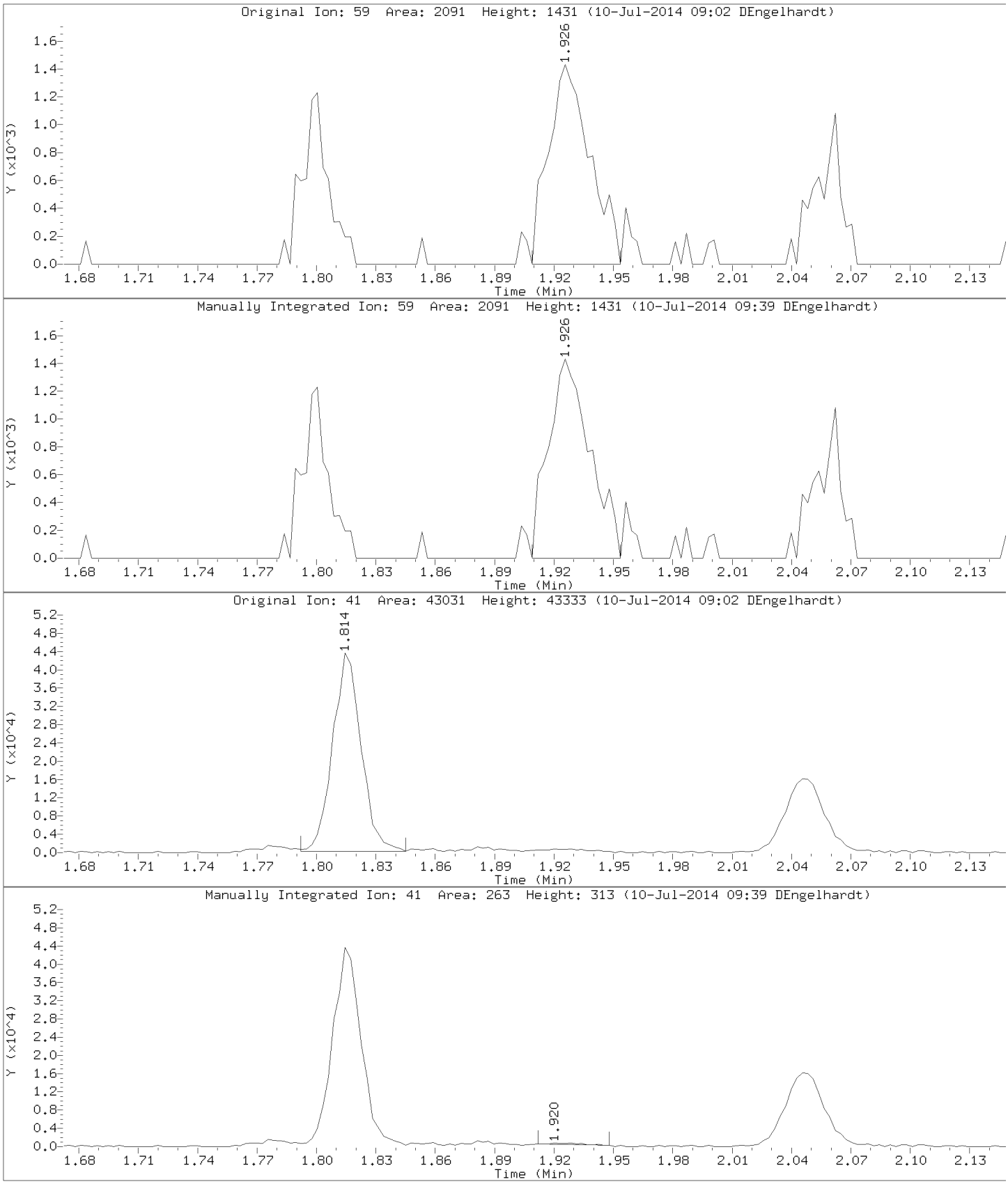
Compound: tert-Butyl Alcohol
CAS Number: 75-65-0



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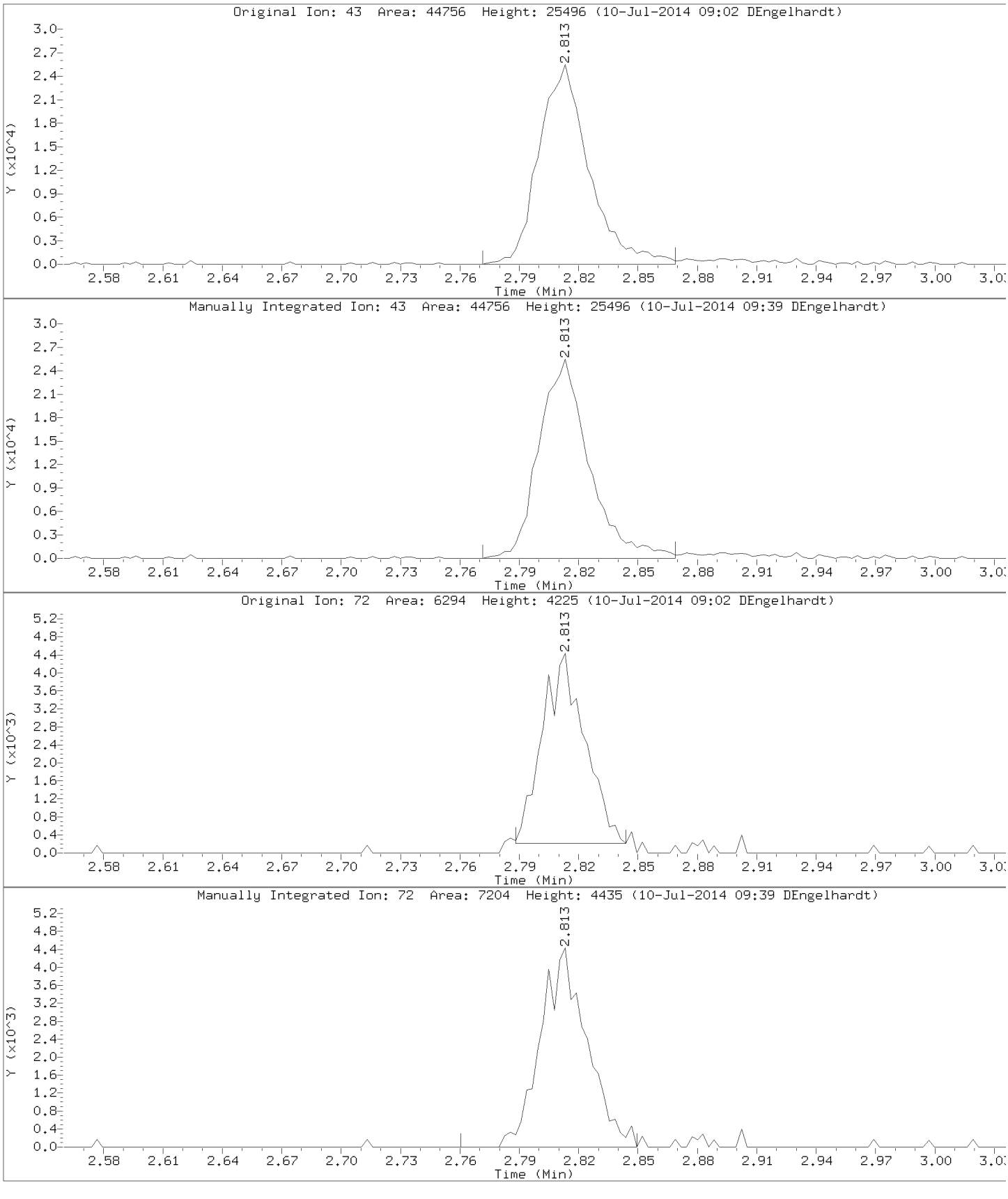
Compound: 2-Butanone
CAS Number: 78-93-3



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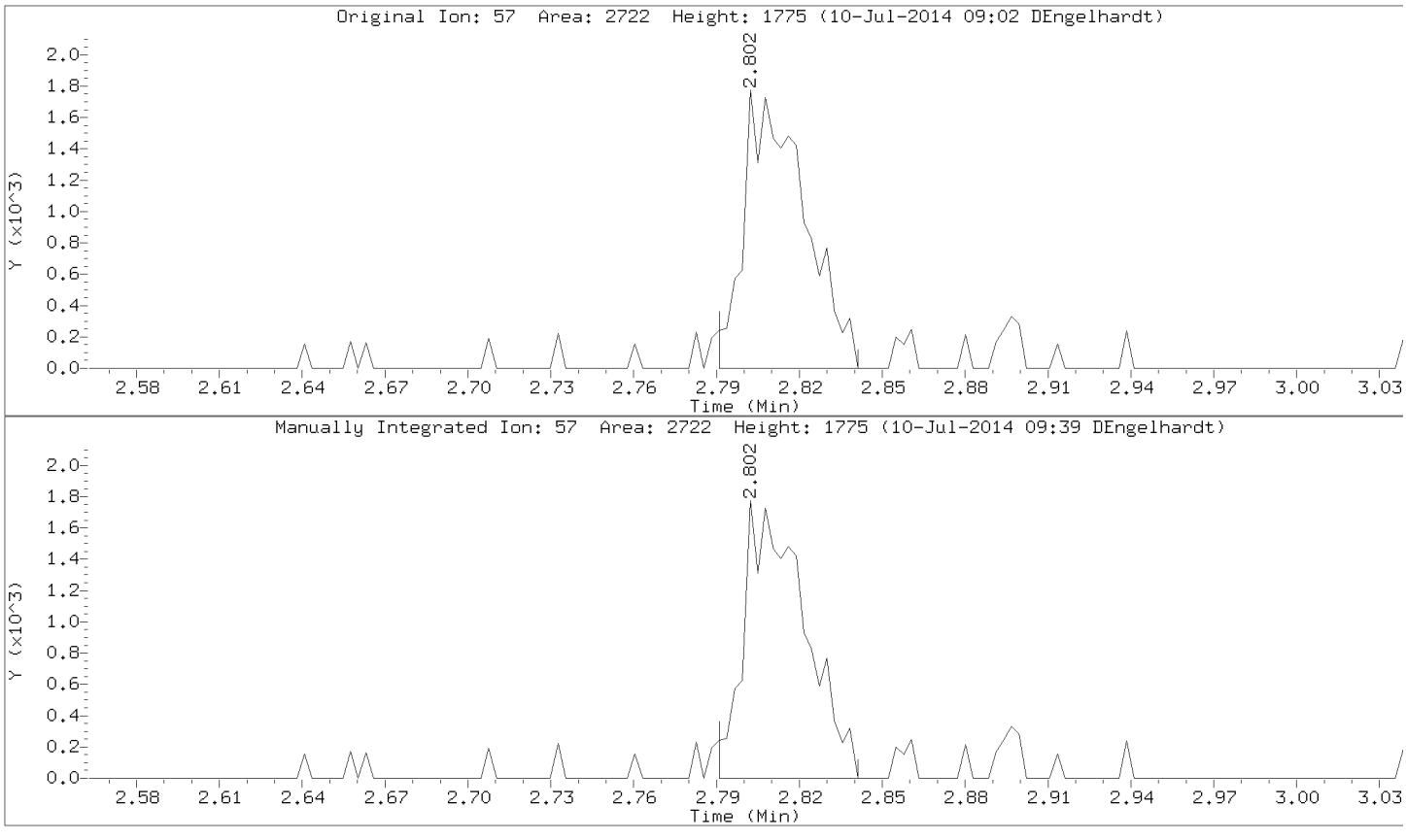

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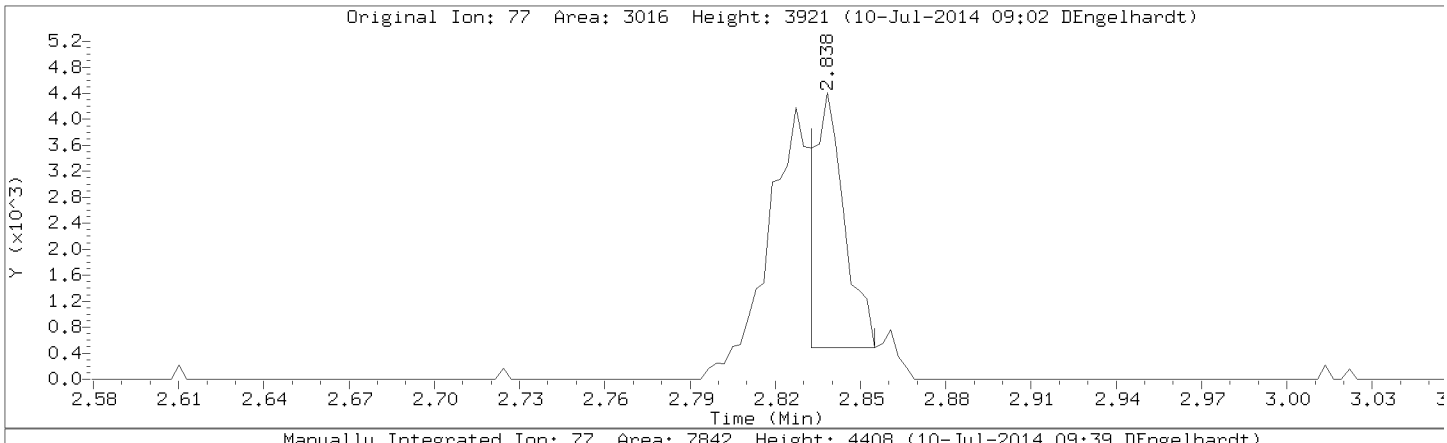
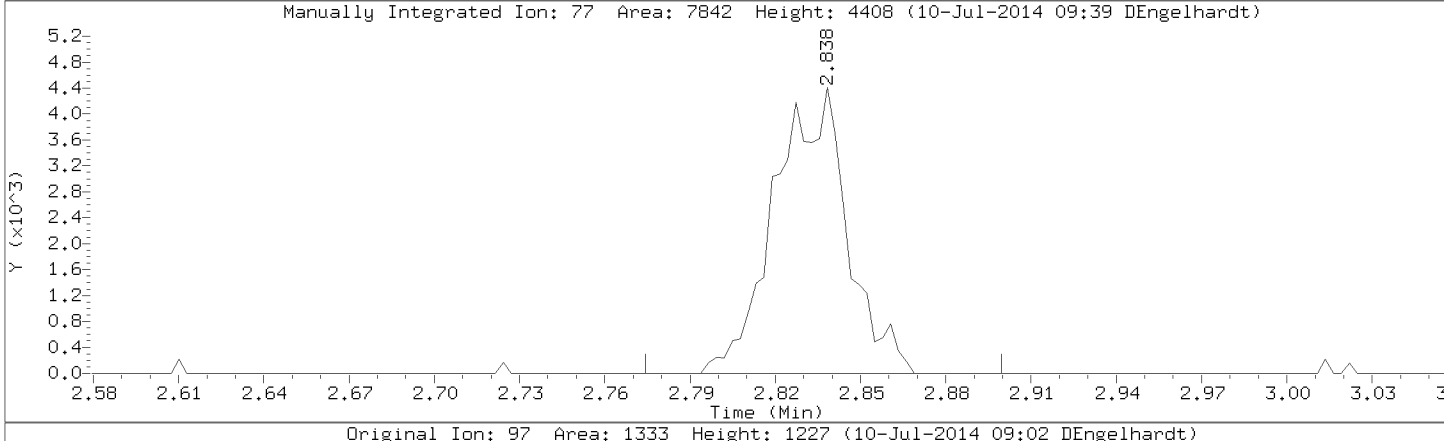
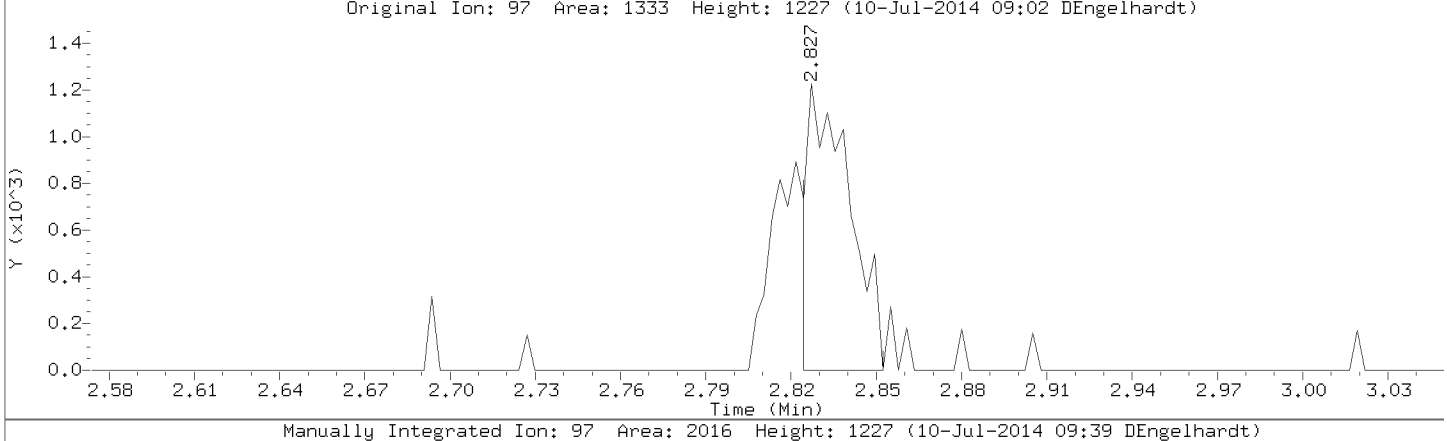
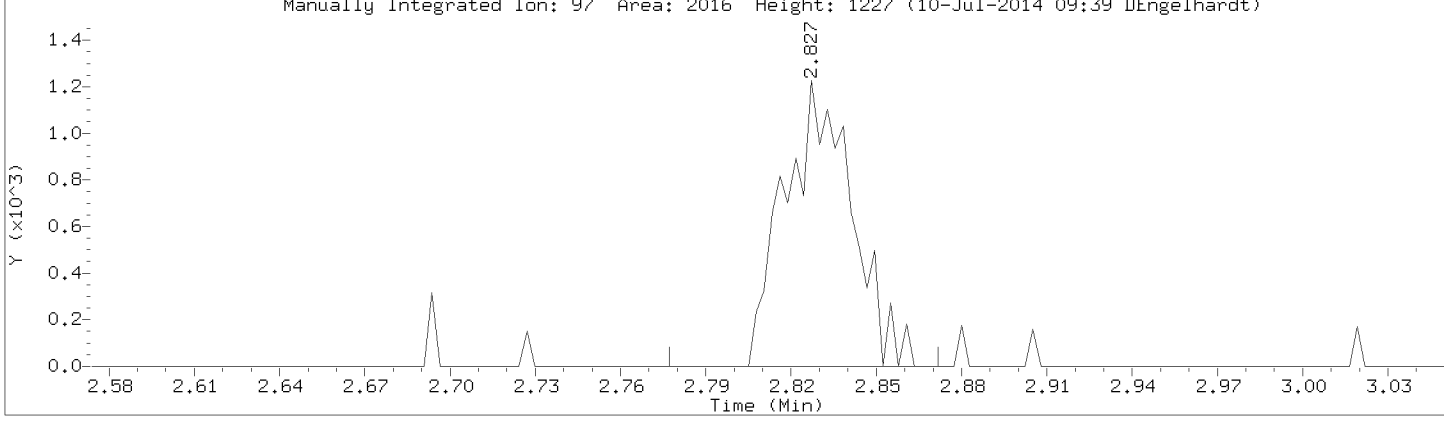
Lab Sample ID: 8260-CAL4,72090:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7









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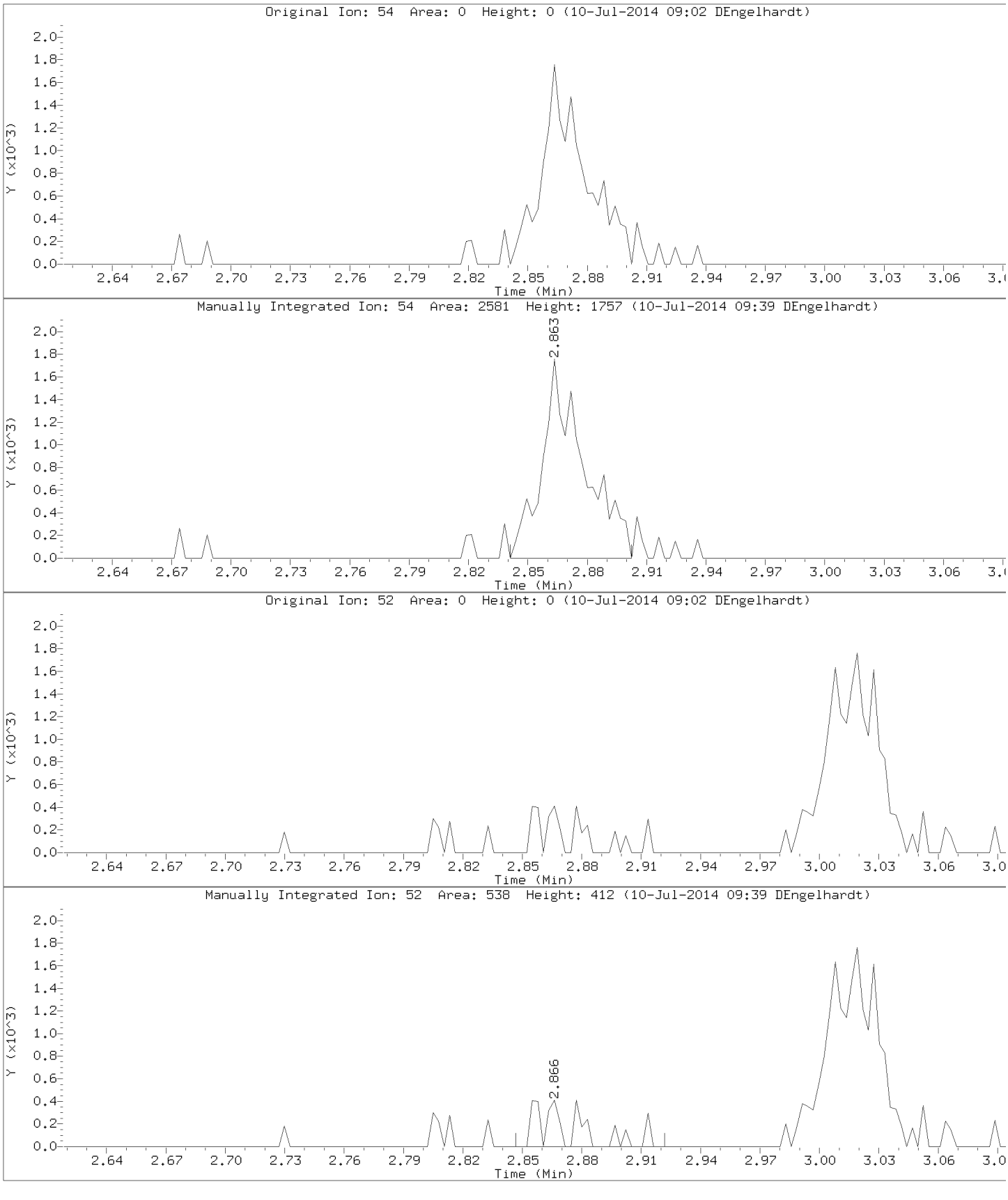
Lab Sample ID: 8260-CAL4,72090:0

Compound: Propionitrile
CAS Number: 107-12-0



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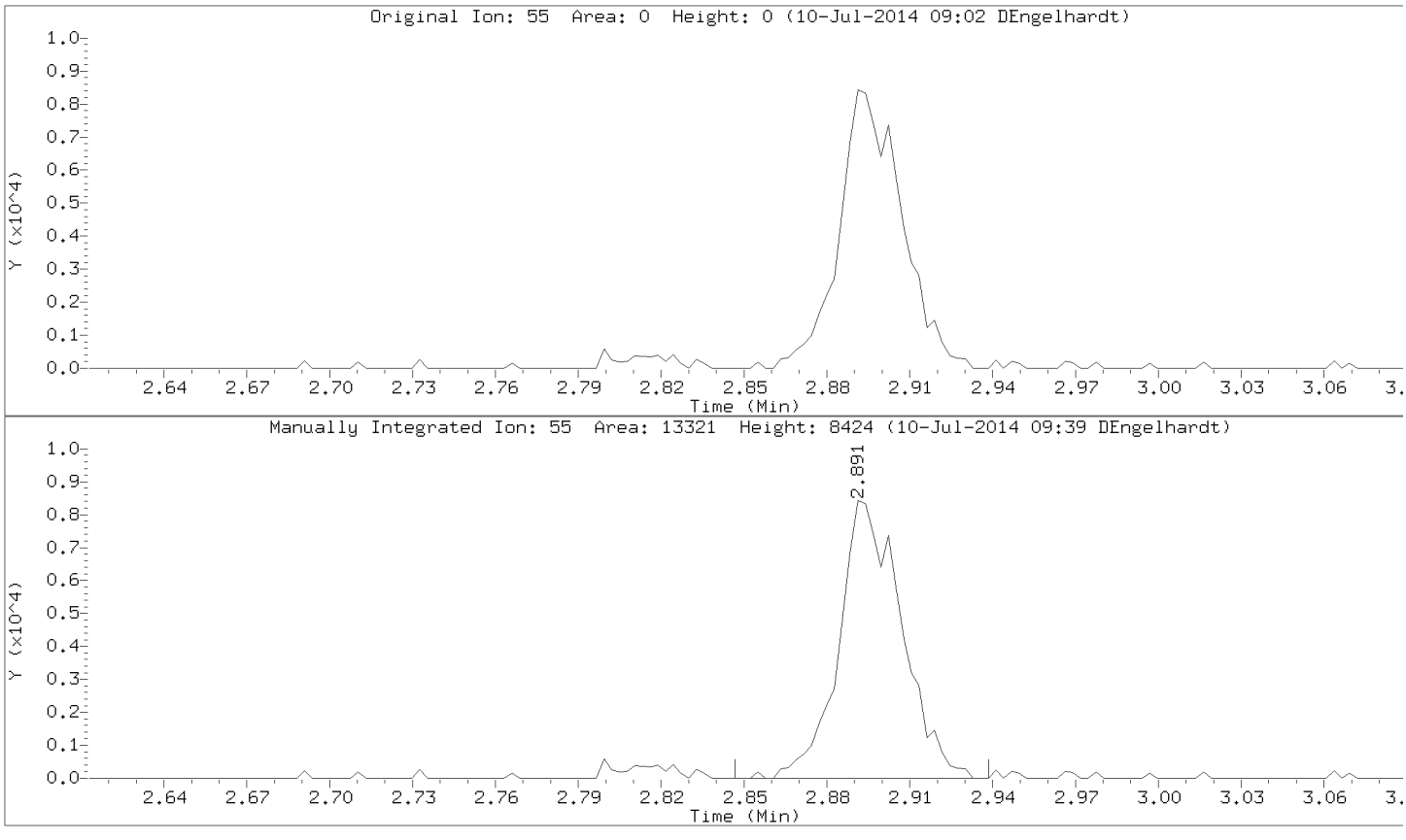

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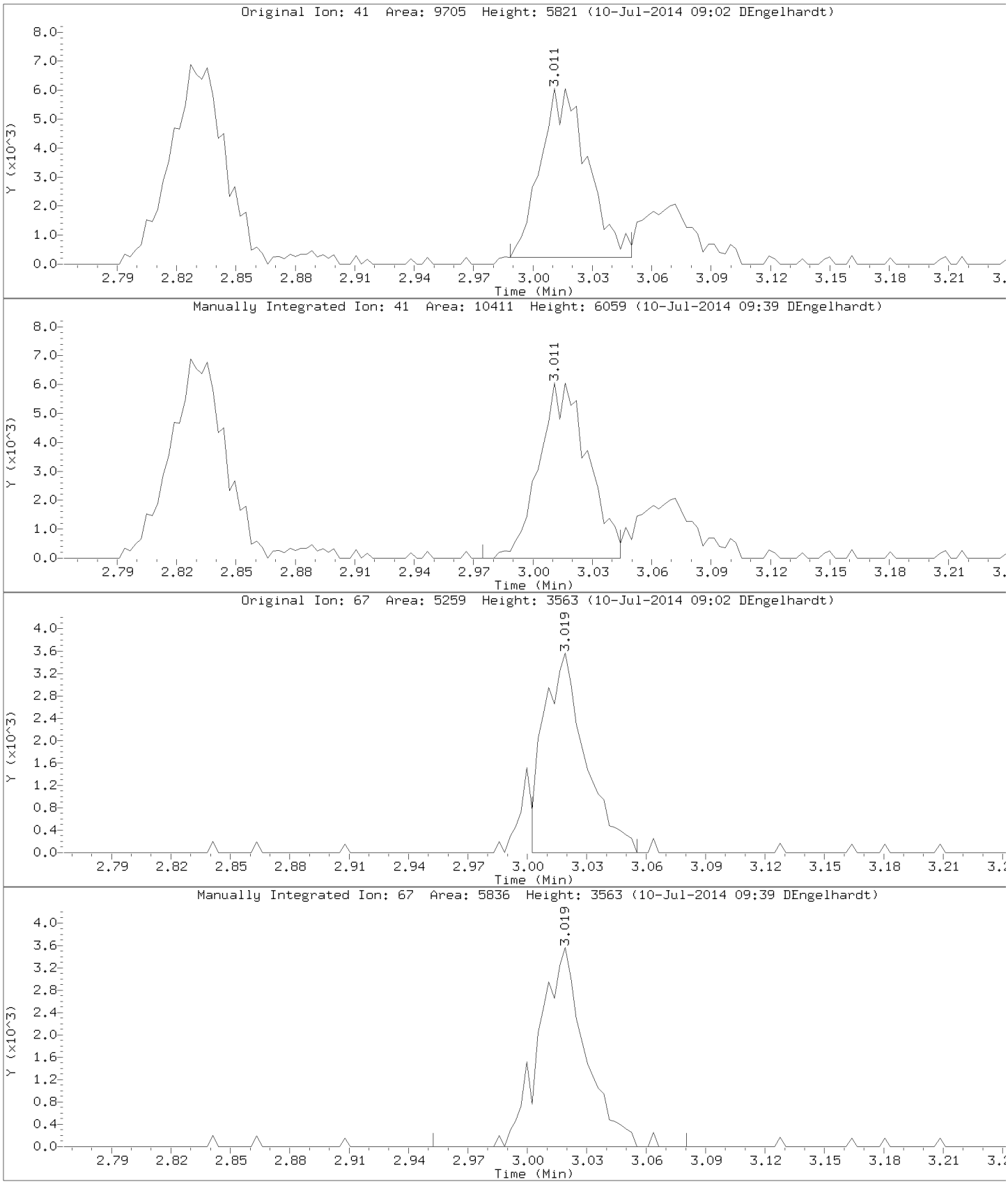
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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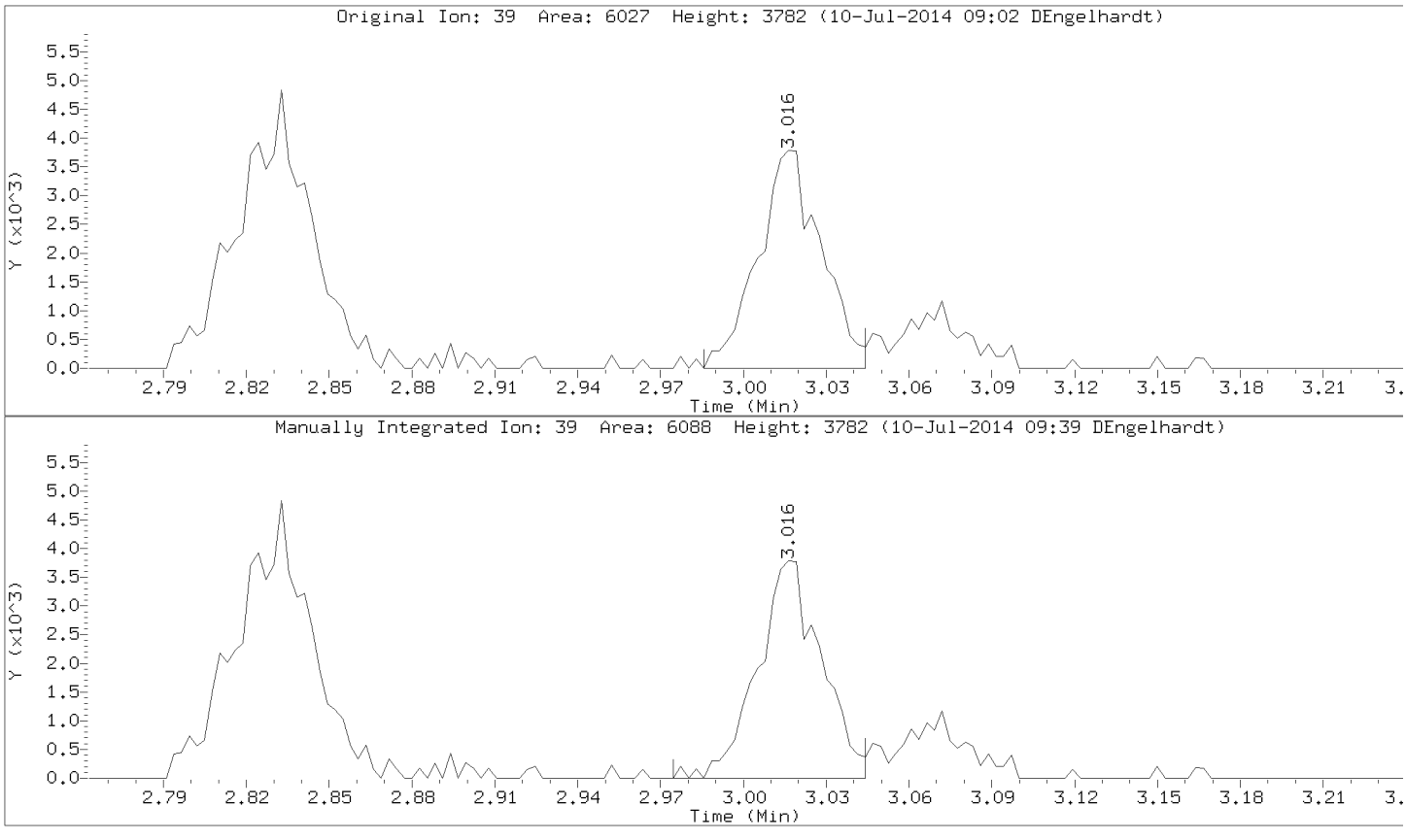

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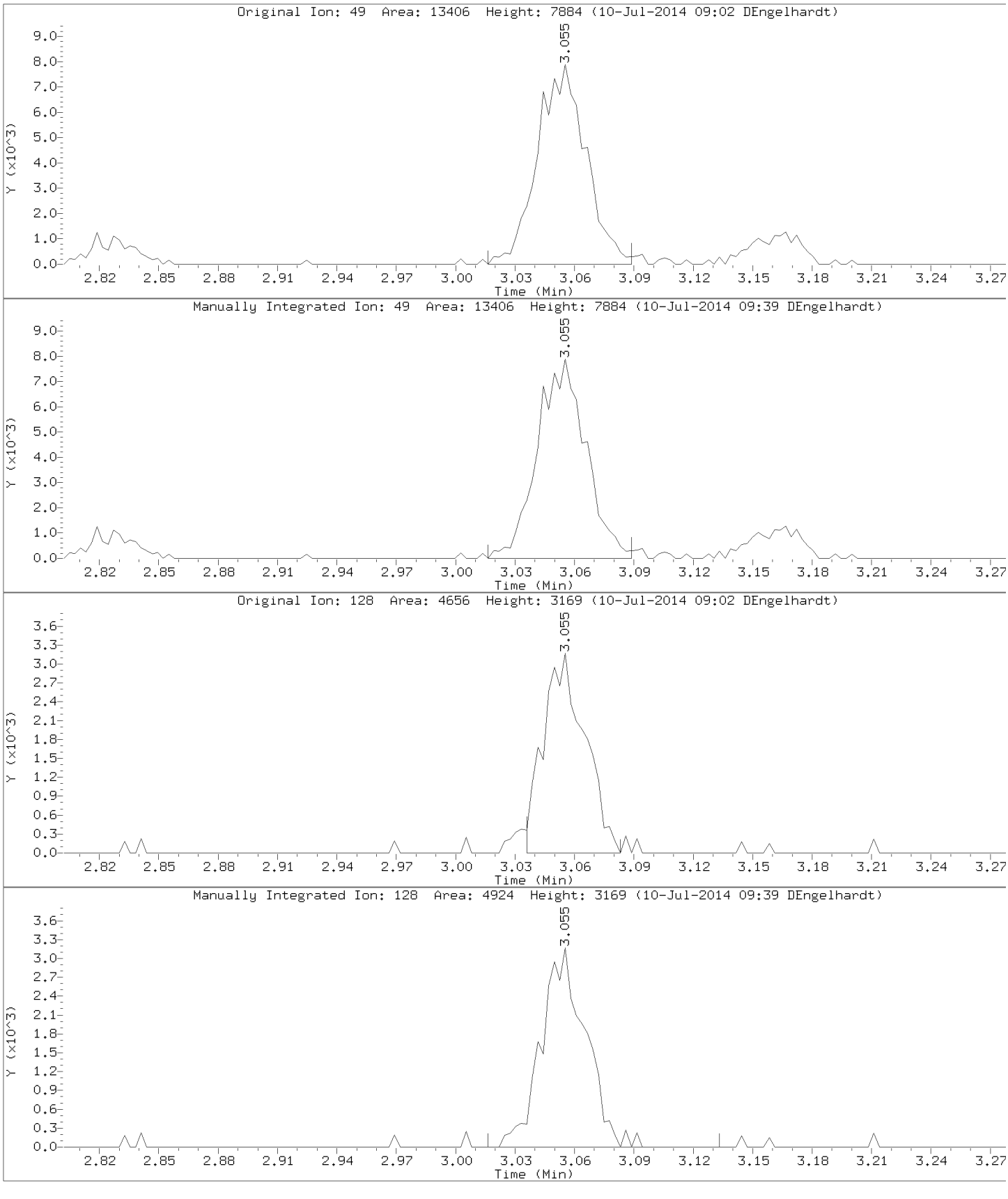
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Bromochloromethane
CAS Number: 74-97-5



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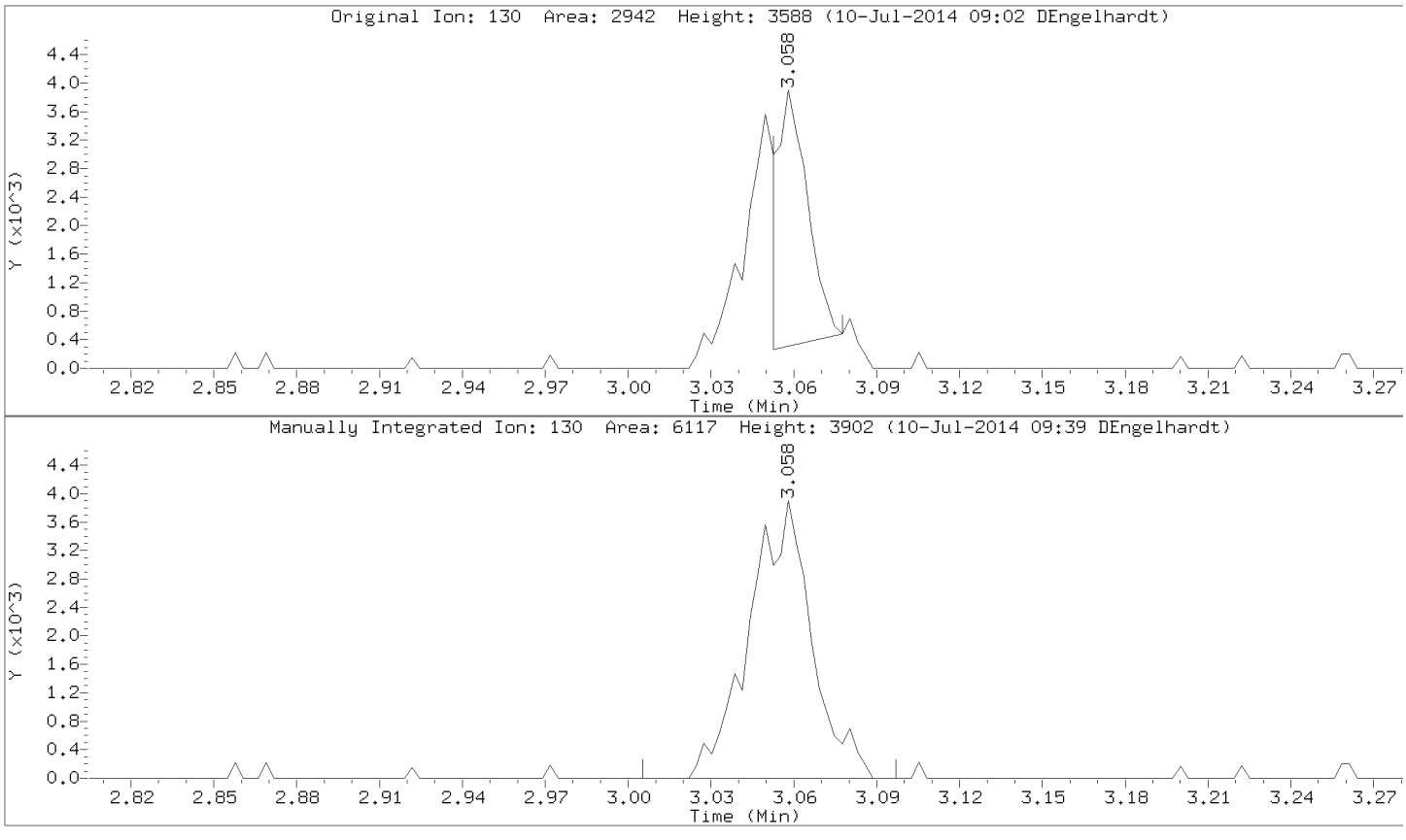

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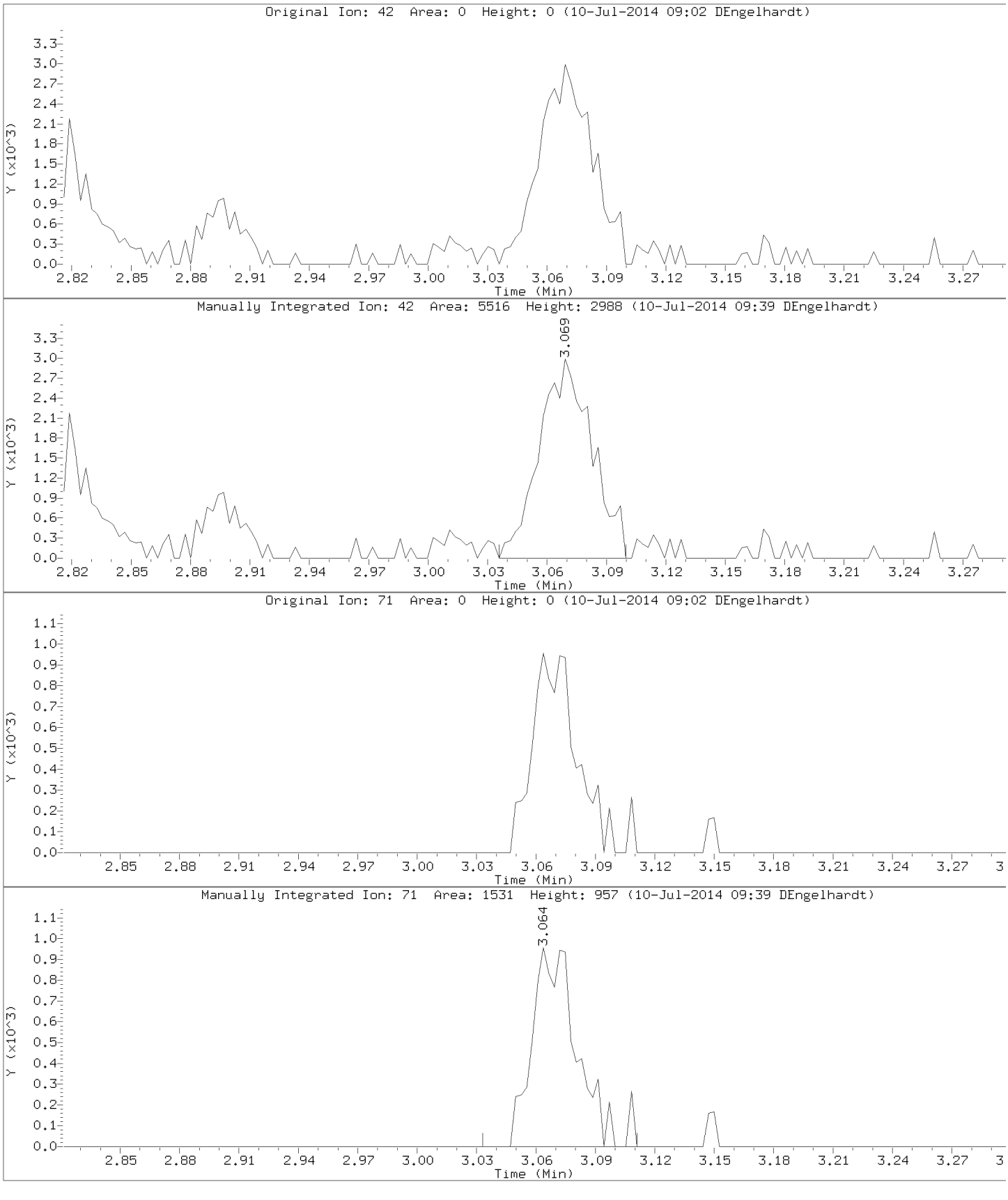
Lab Sample ID: 8260-CAL4,72090:0

Compound: Tetrahydrofuran
CAS Number:



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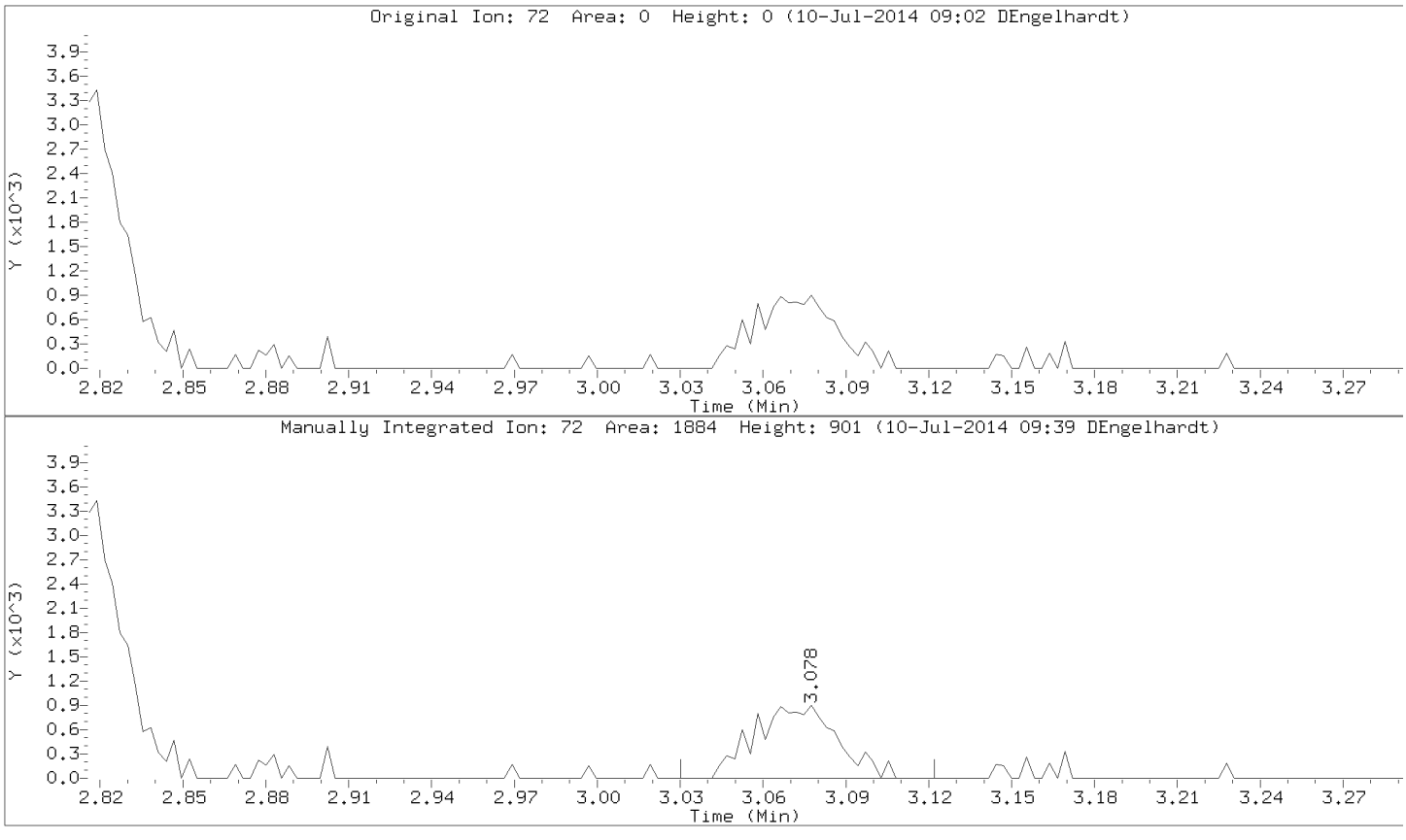

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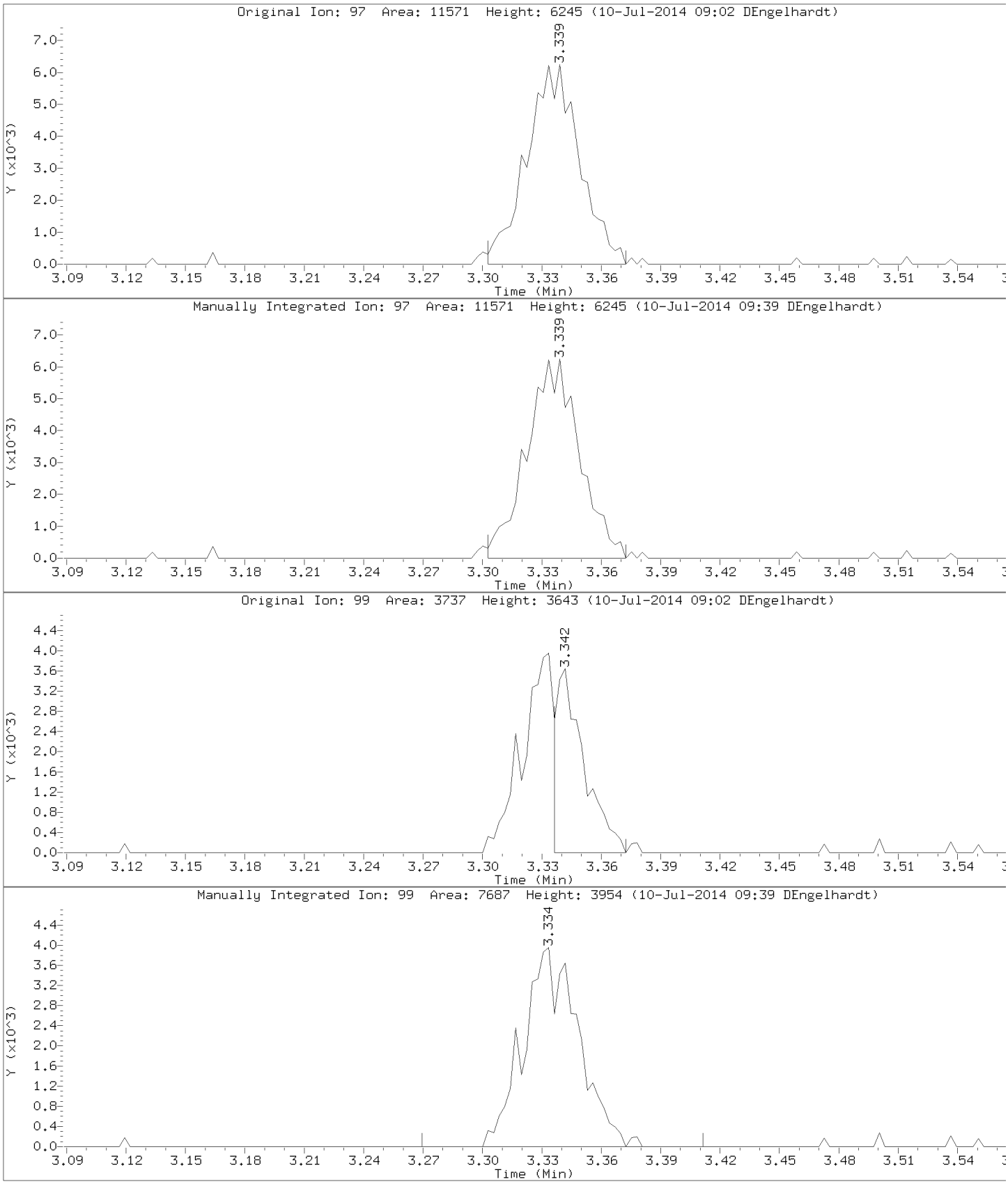
Lab Sample ID: 8260-CAL4,72090:0

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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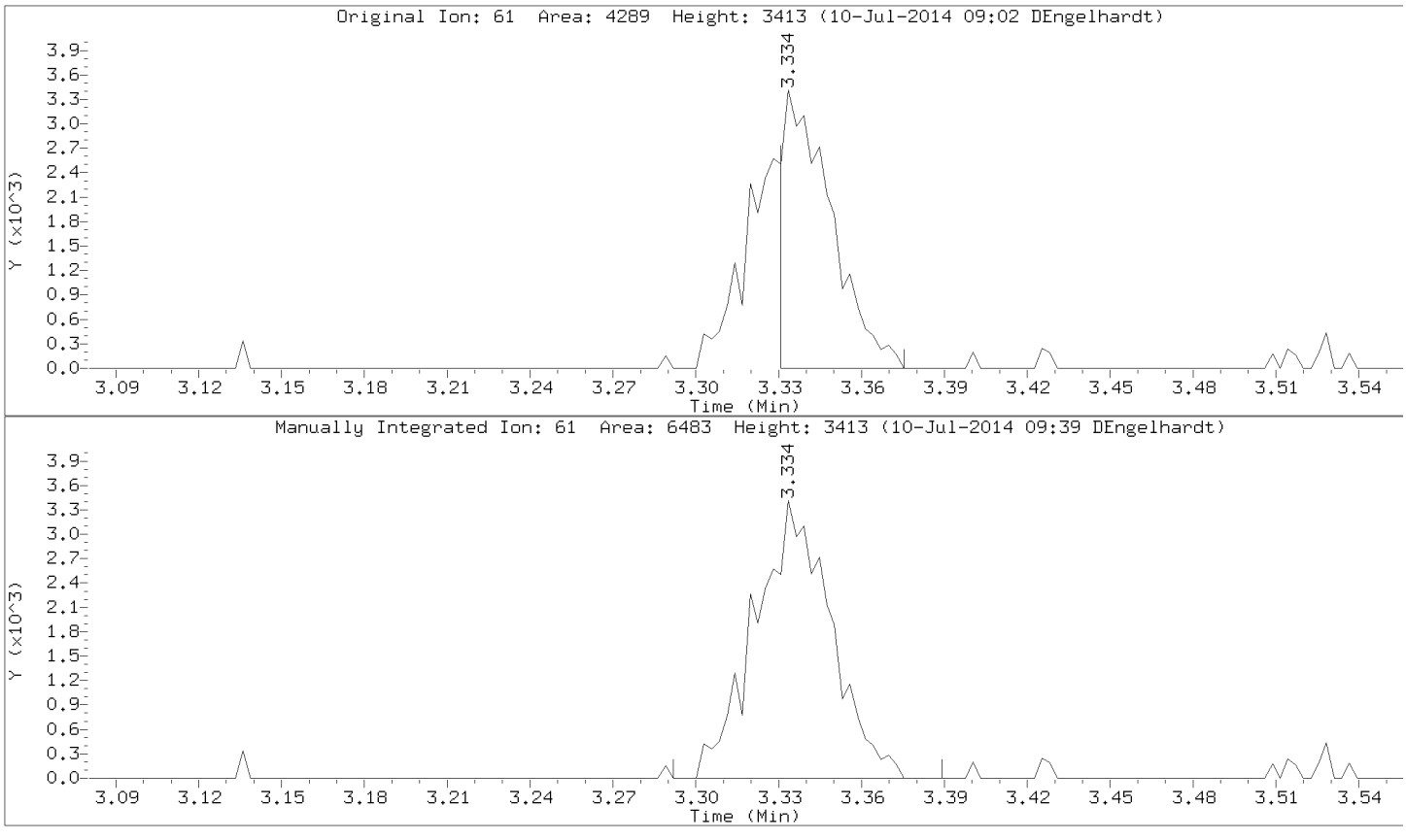

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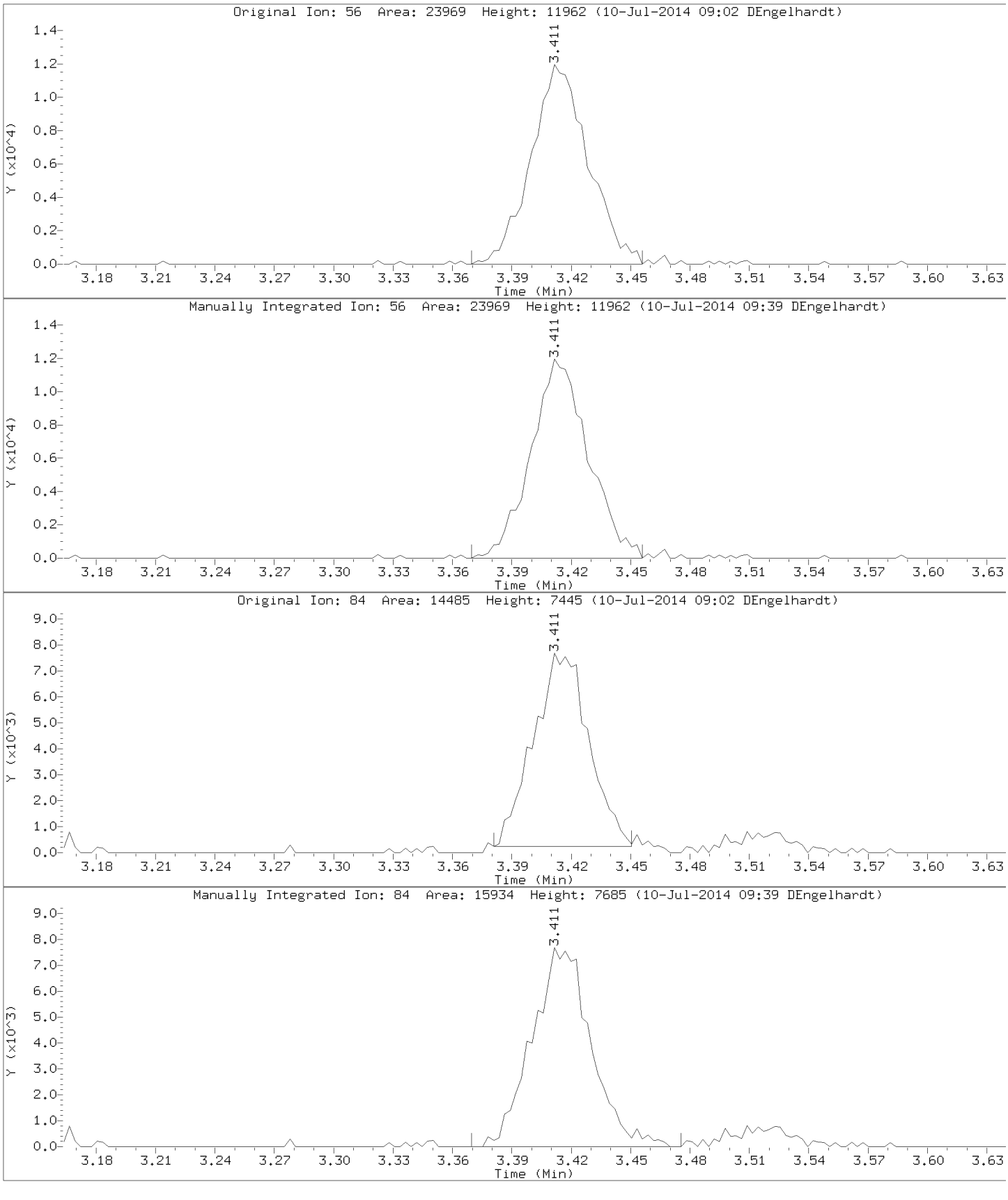
Lab Sample ID: 8260-CAL4,72090:0

Compound: cyclohexane
CAS Number: 110-82-7



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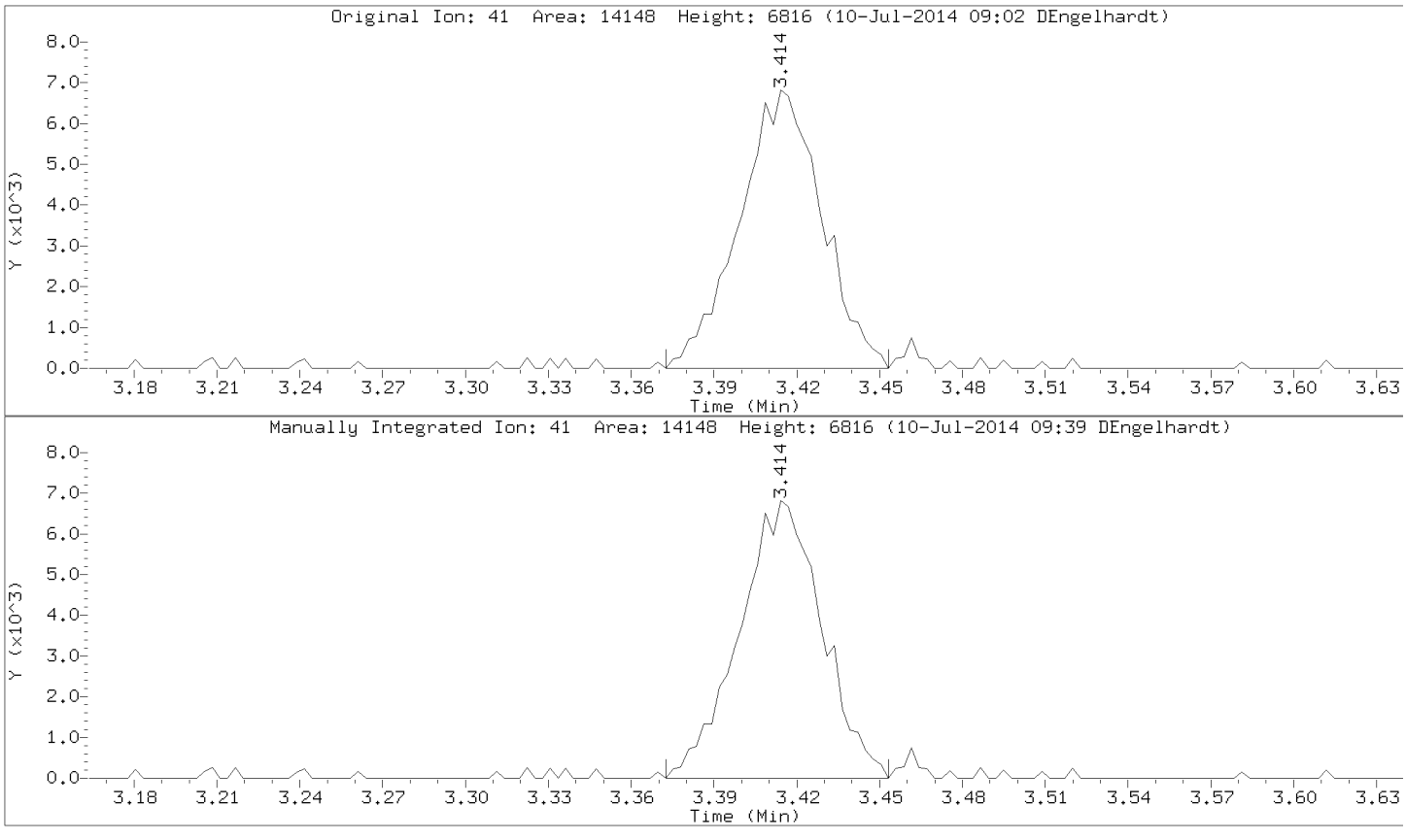

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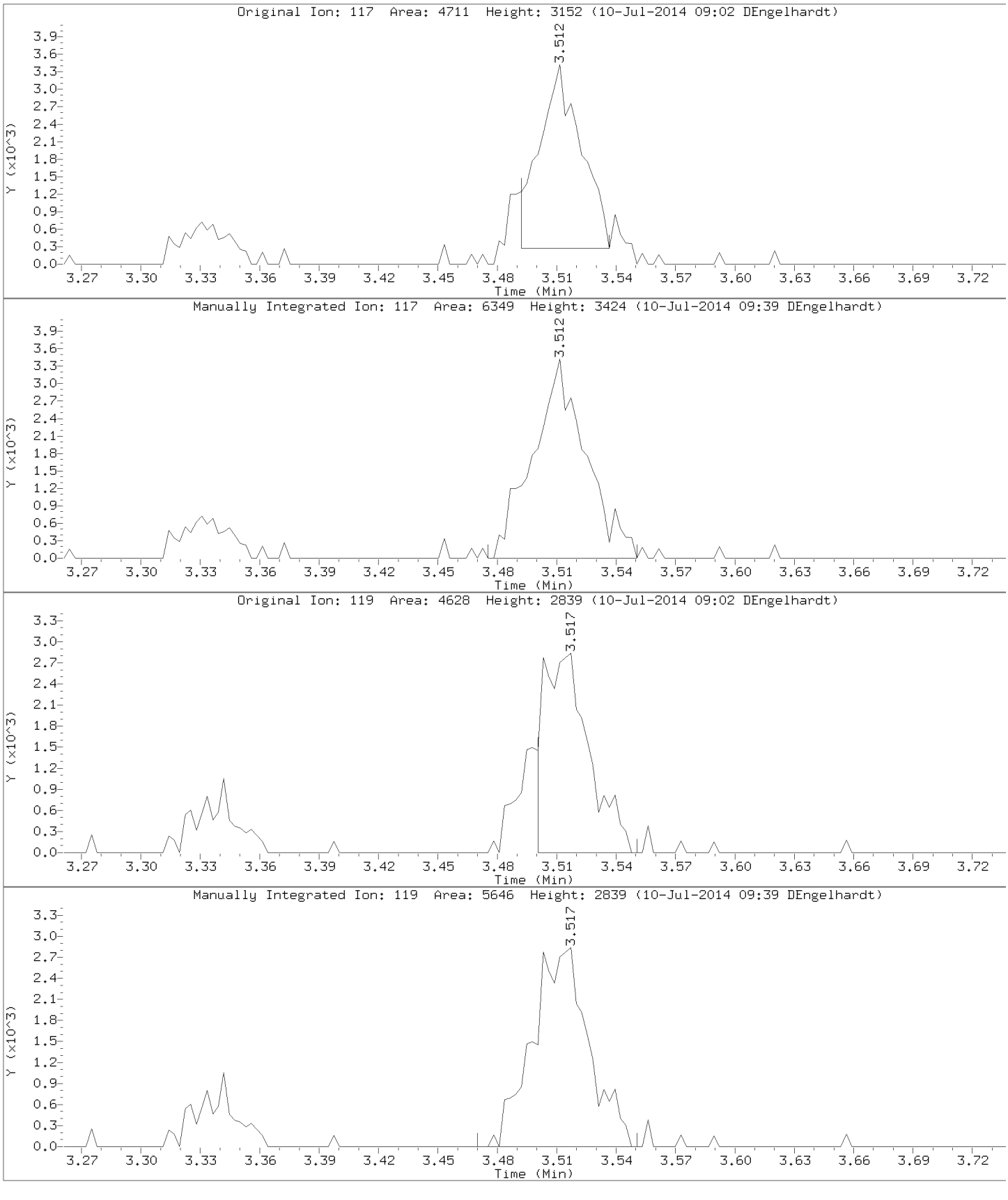
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5



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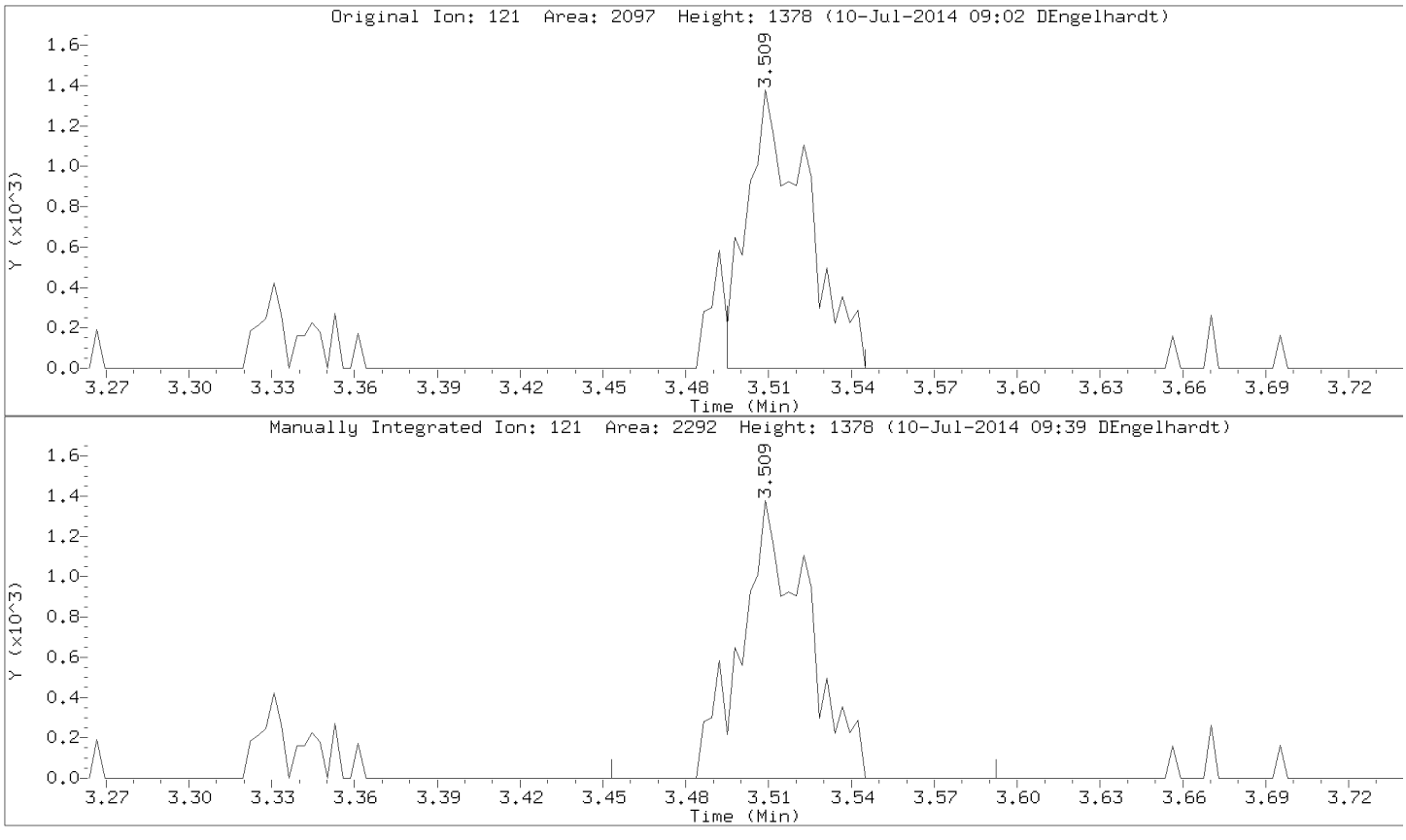

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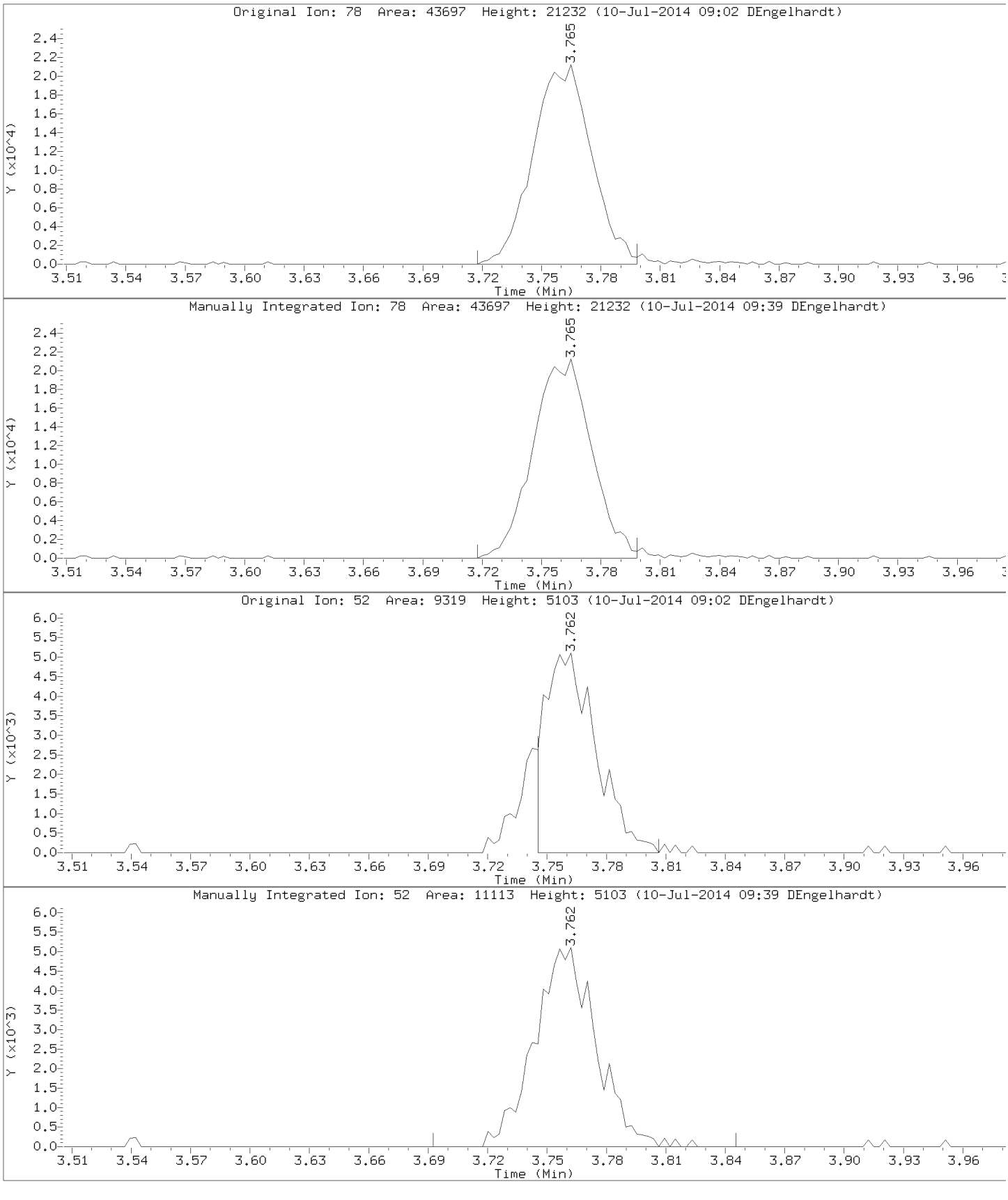
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Benzene
CAS Number: 71-43-2



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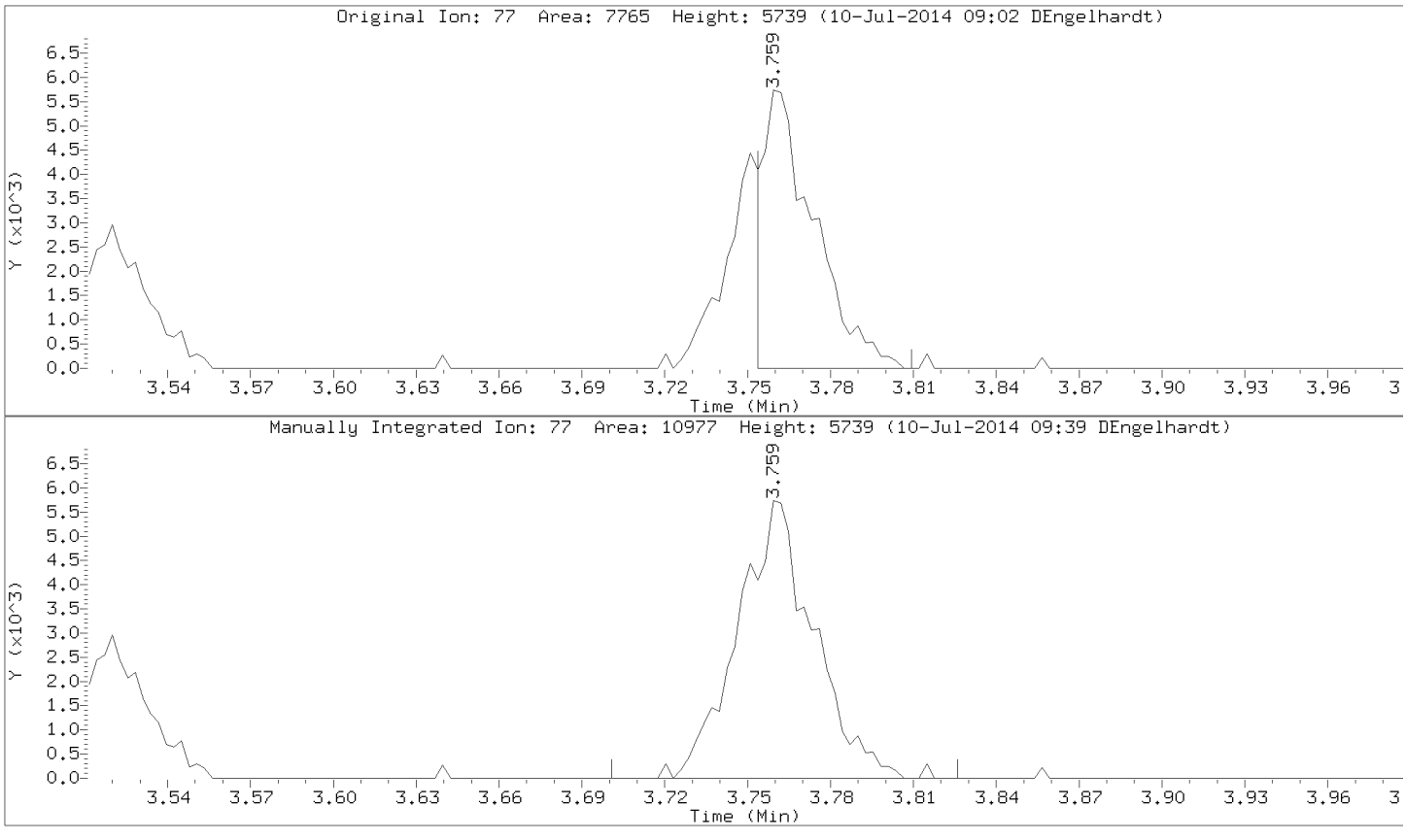

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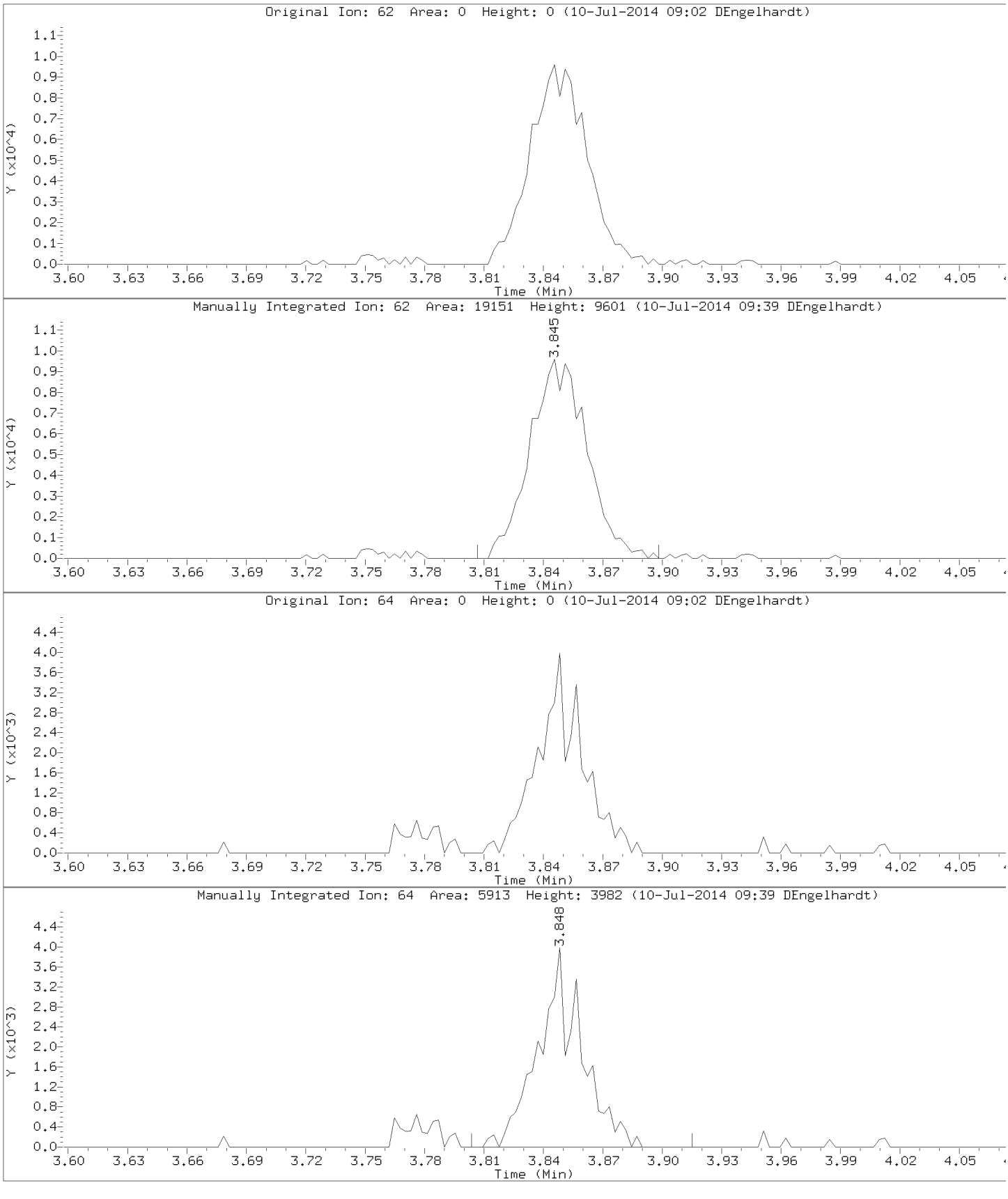
Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



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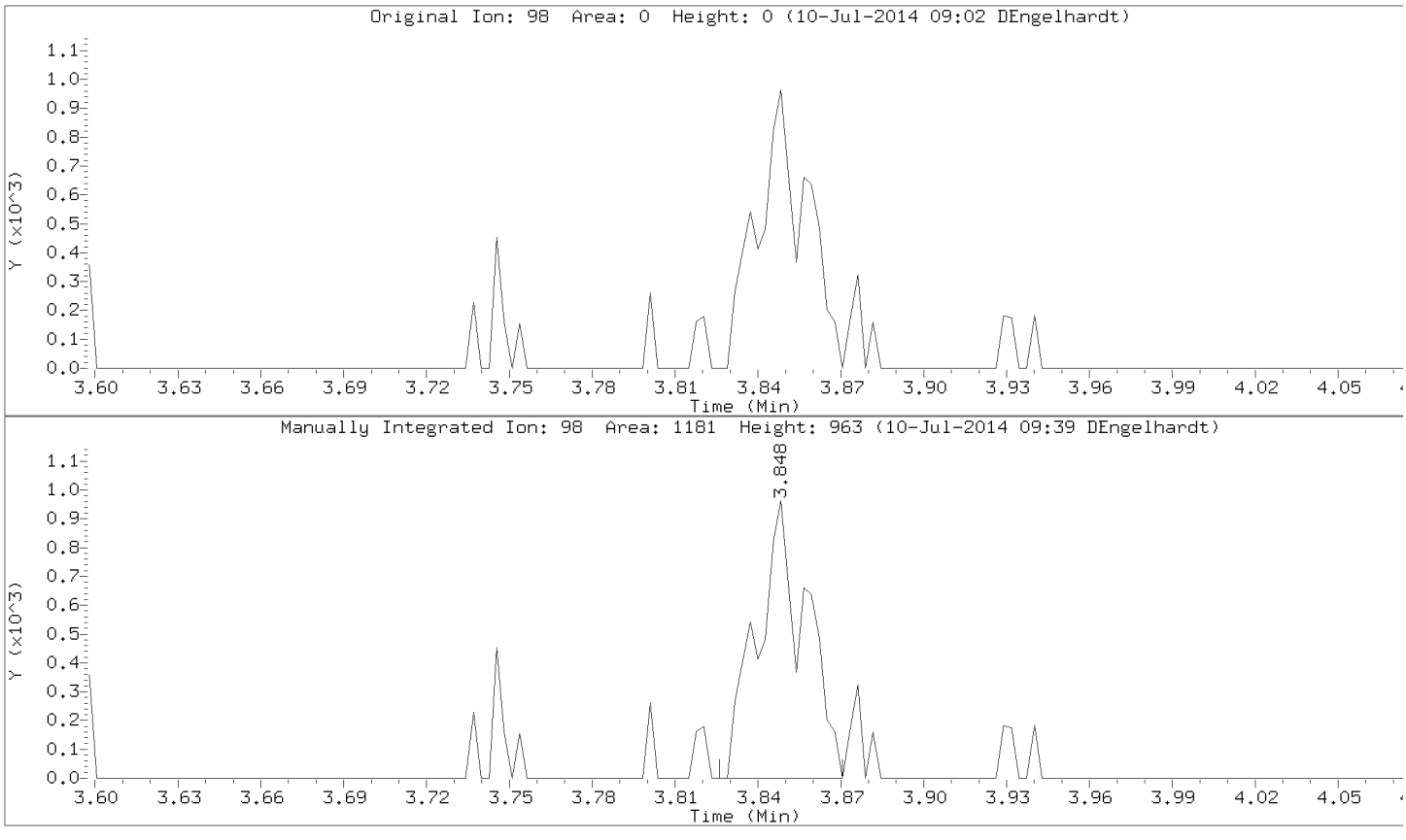

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Instrument: 50mv2a.i
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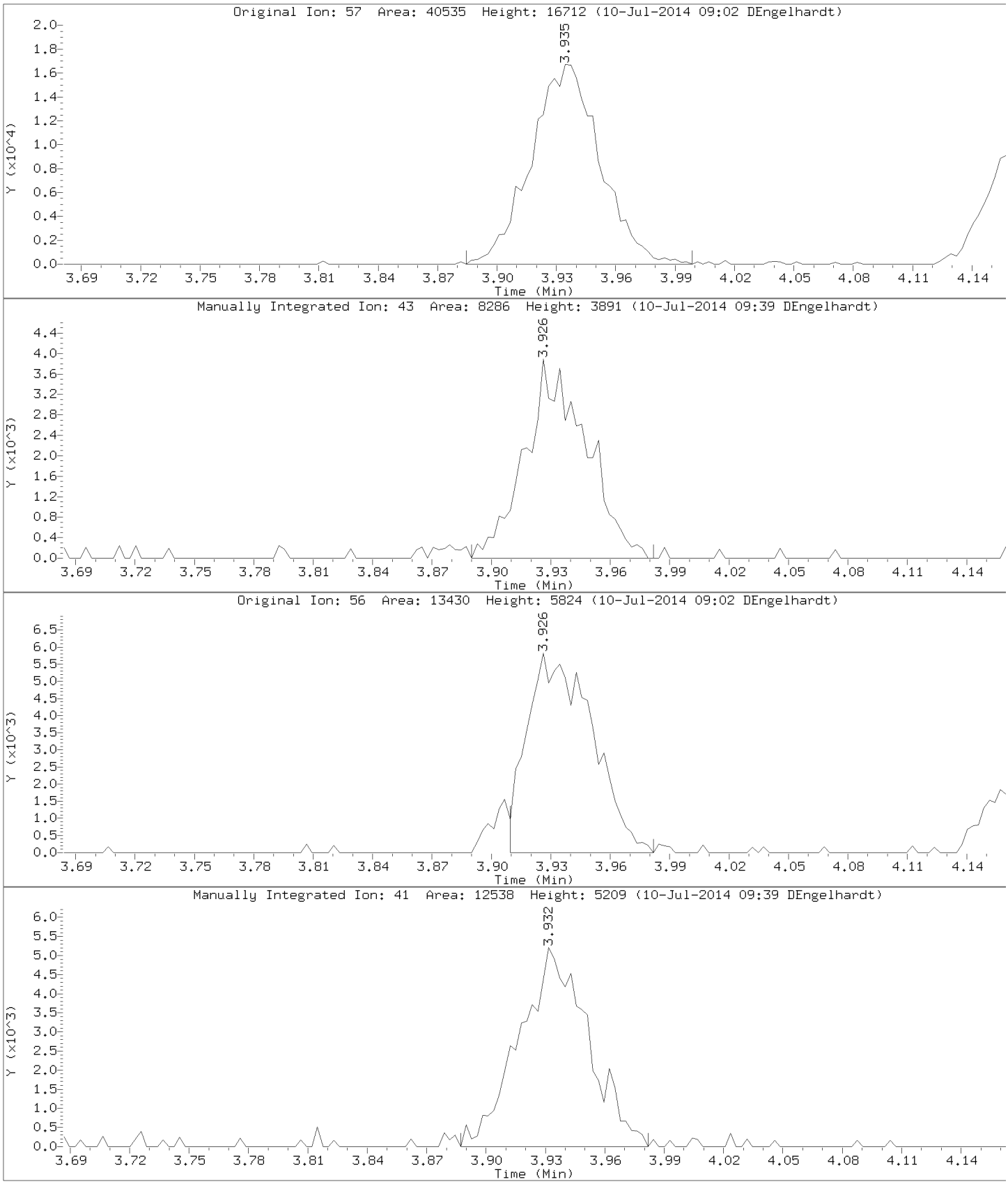
Compound: Isobutyl alcohol
CAS Number: 78-83-1



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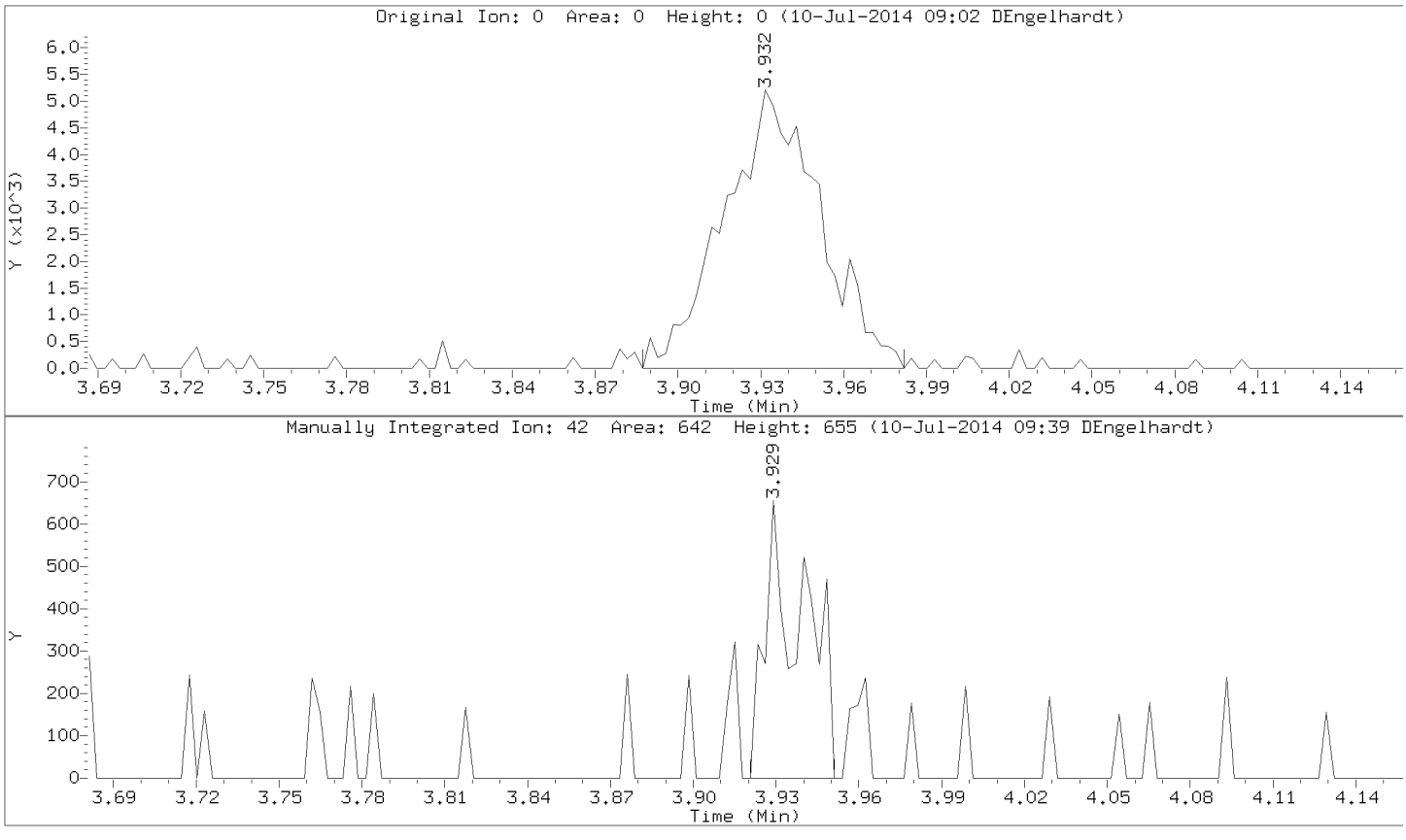

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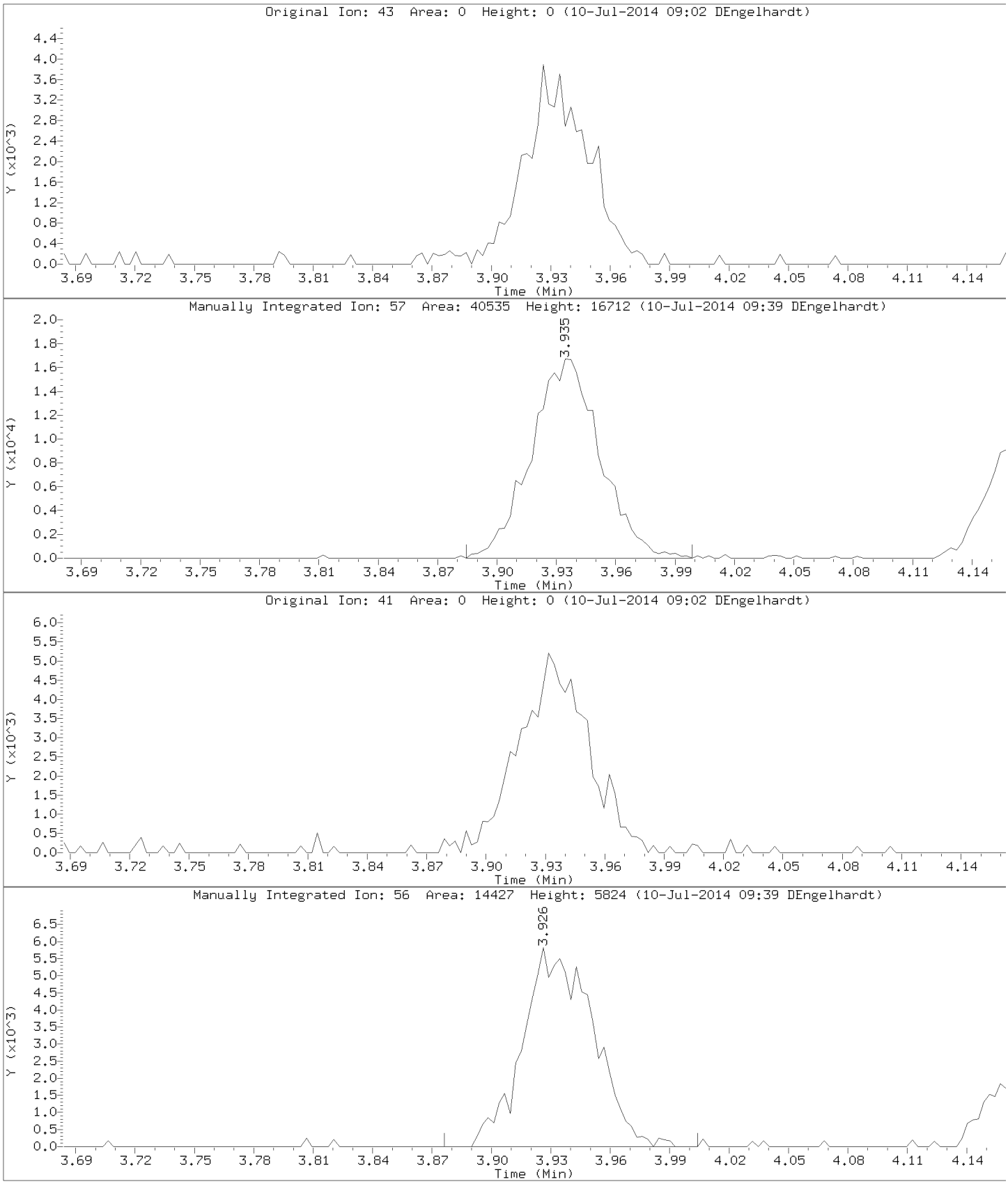
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 2,2,4-Trimethylpentane
CAS Number: 540-84-1



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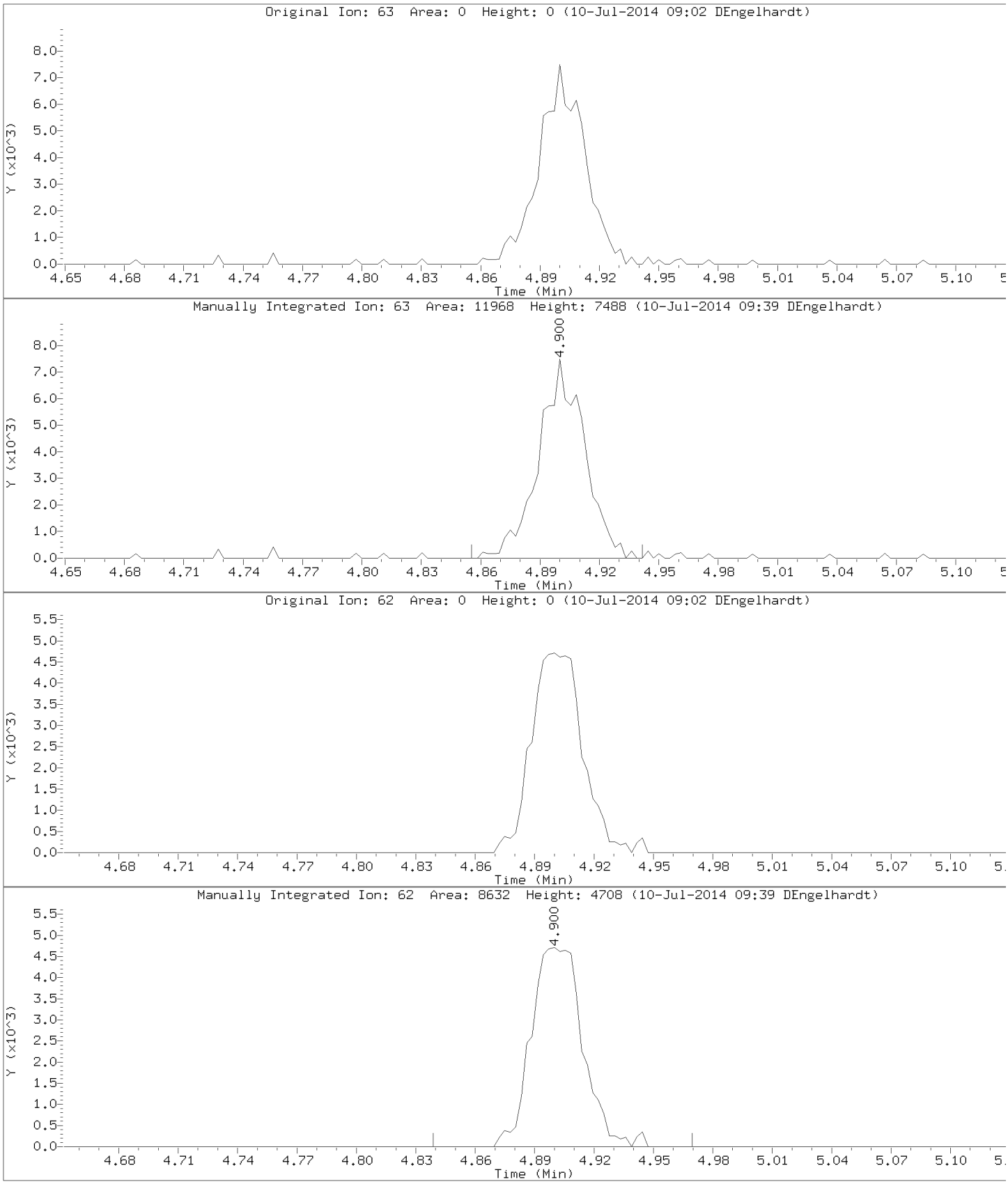
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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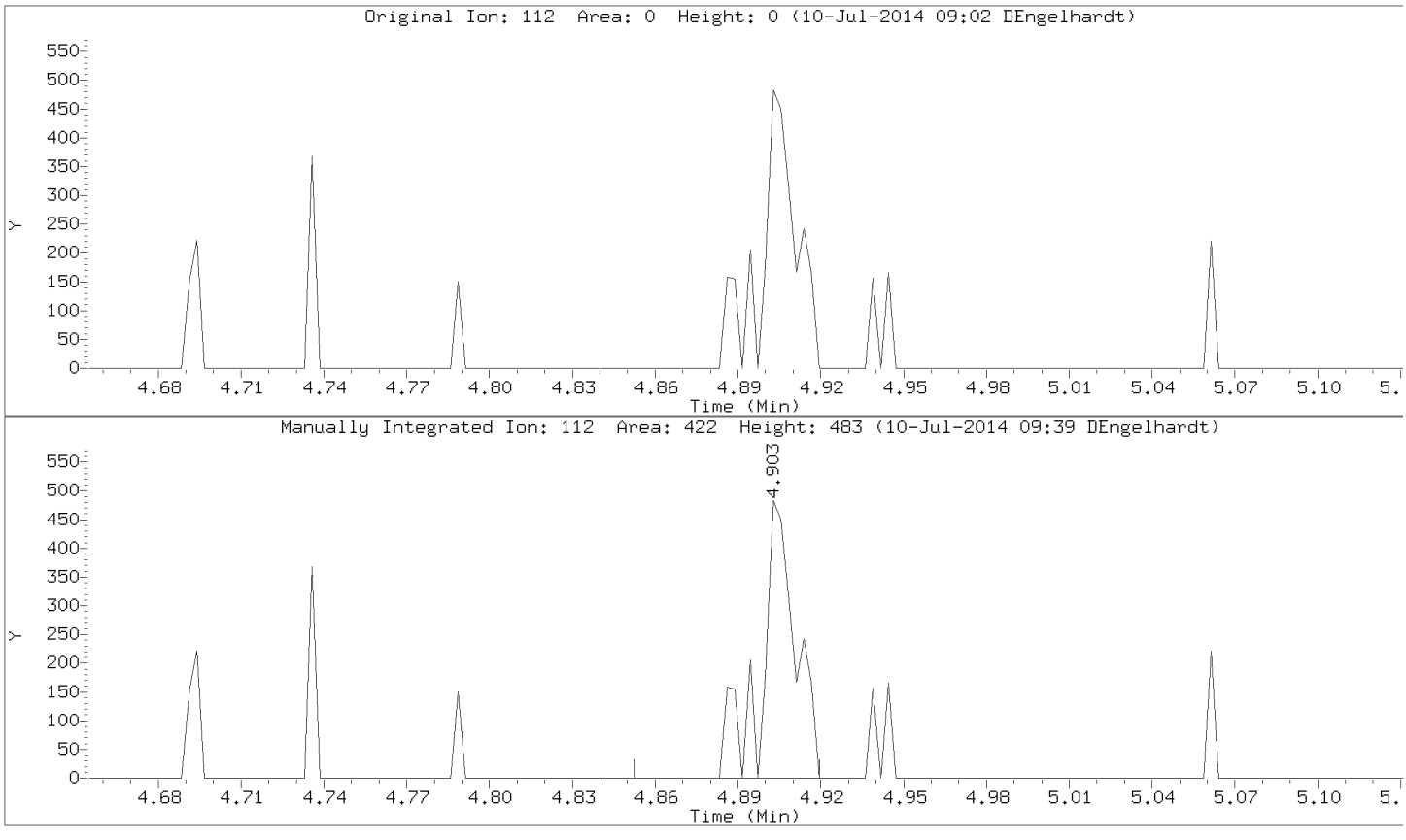
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0



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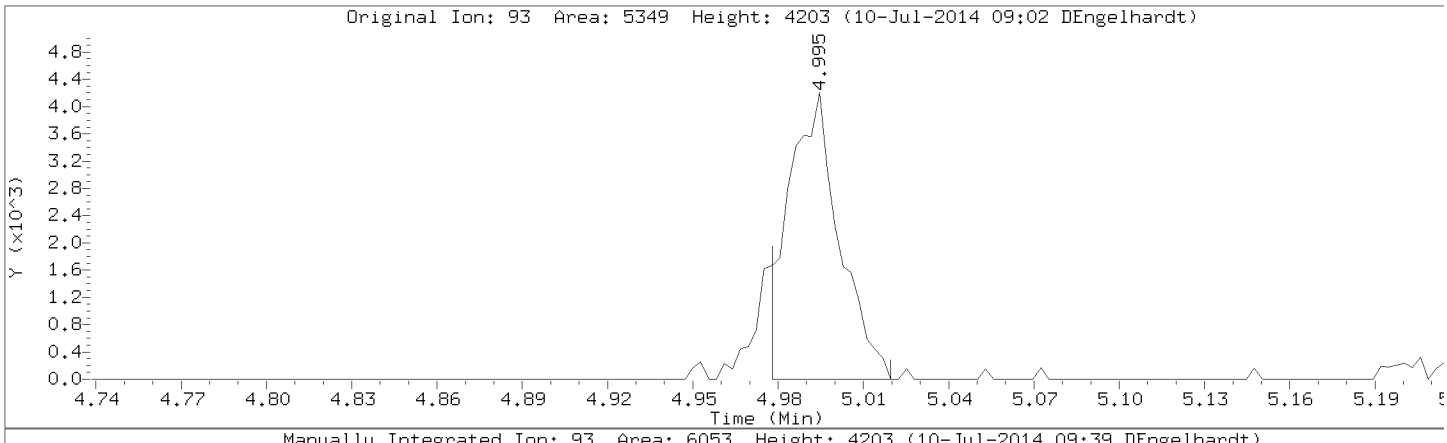
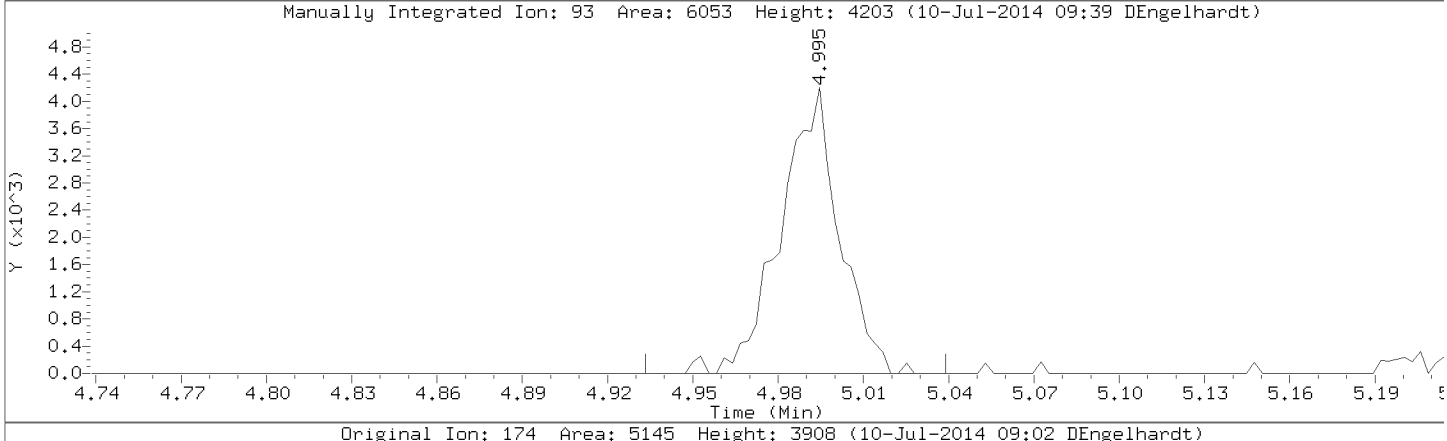
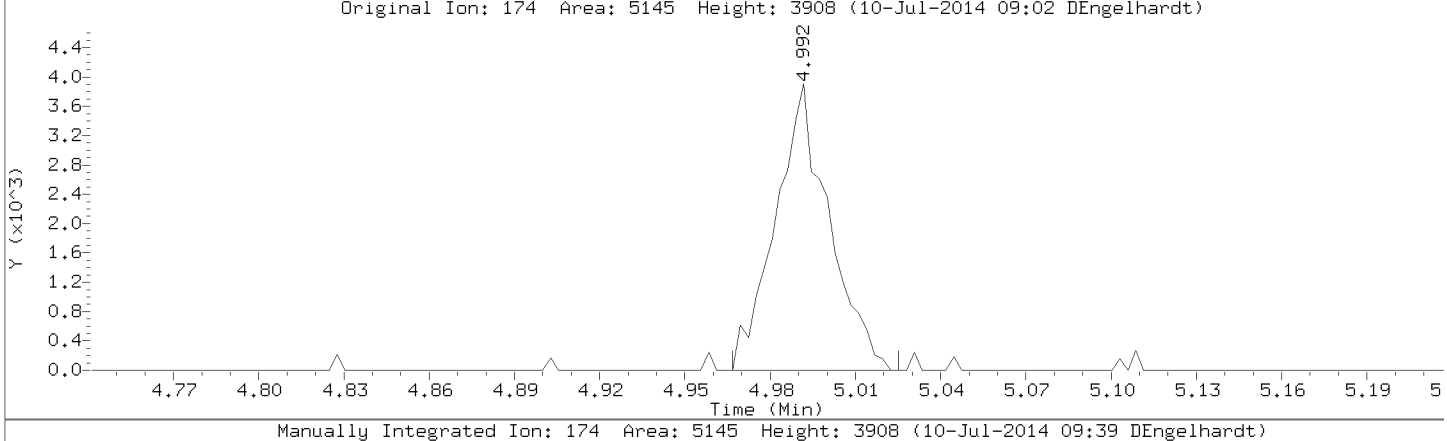
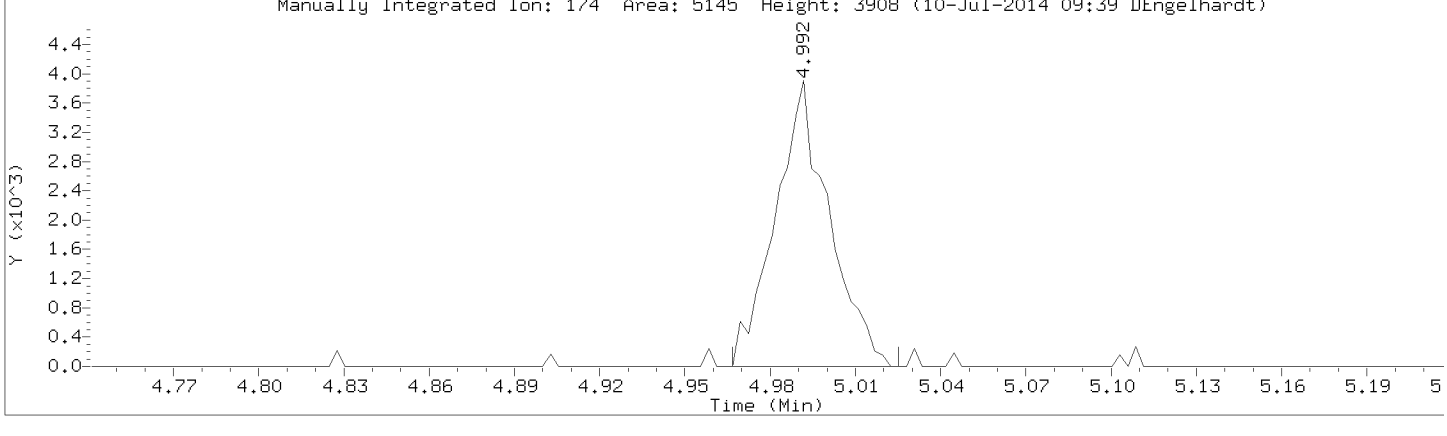
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Dibromomethane
CAS Number: 74-95-3









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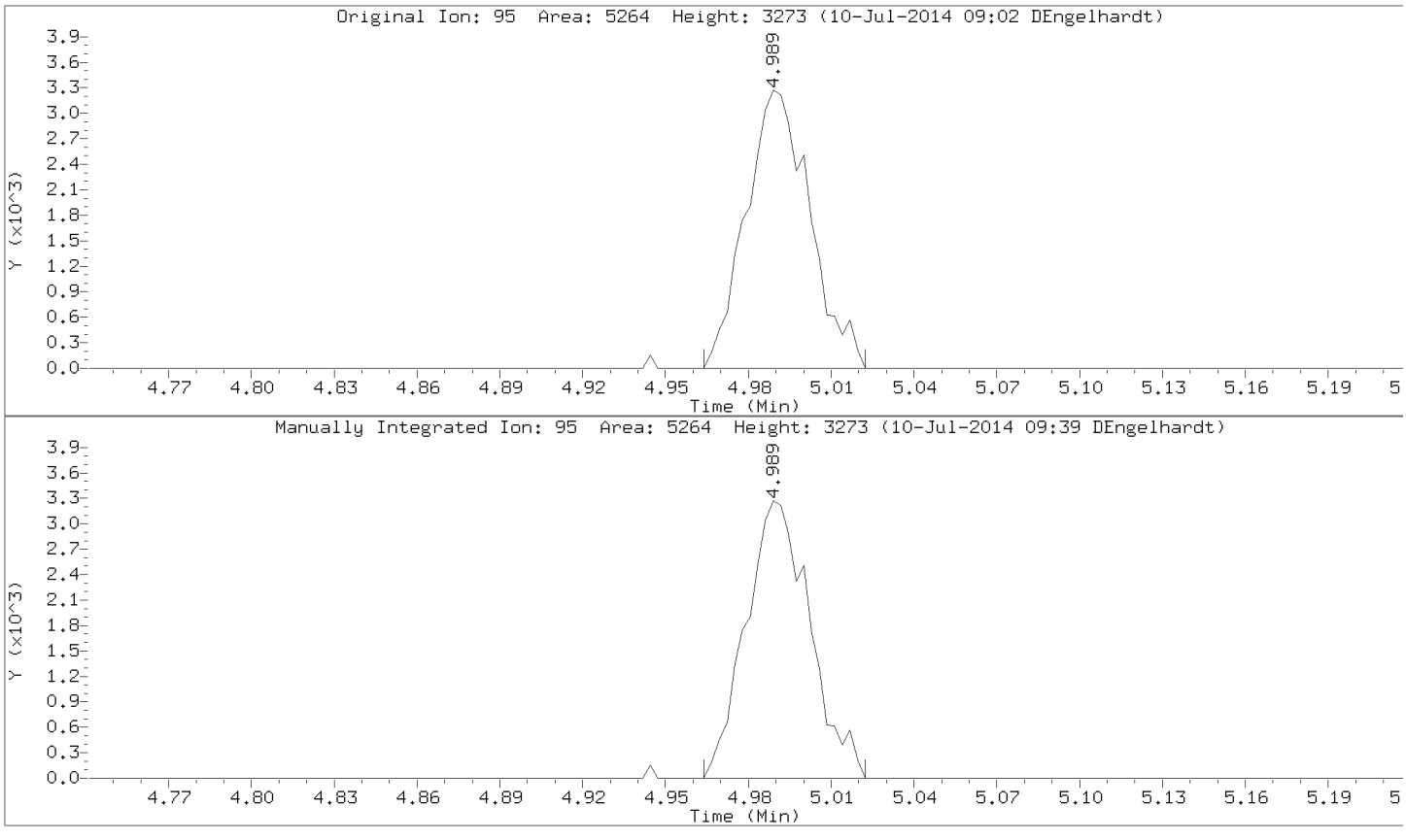
Lab Sample ID: 8260-CAL4,72090:0



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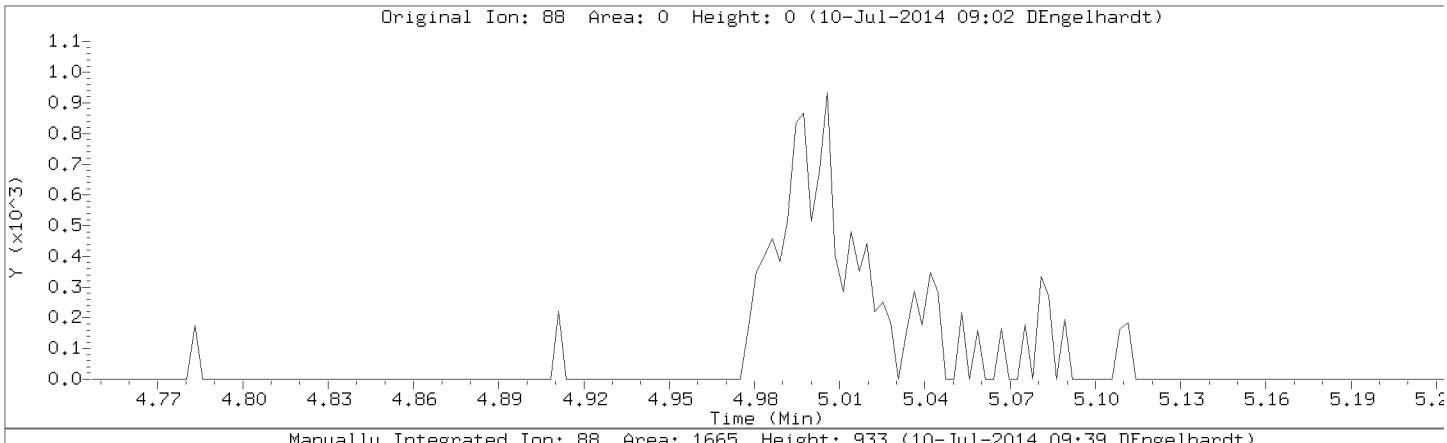
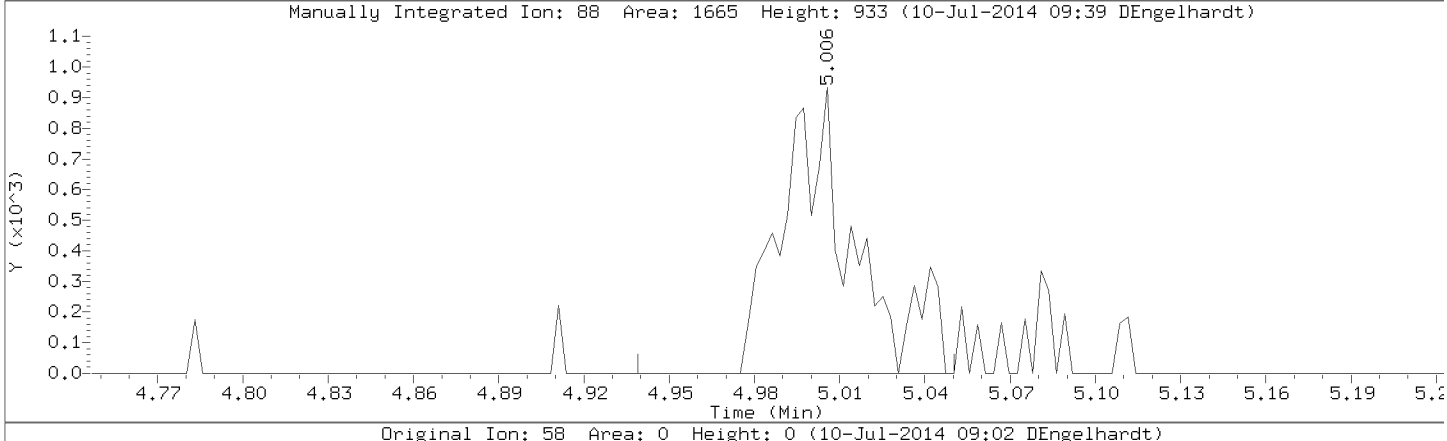
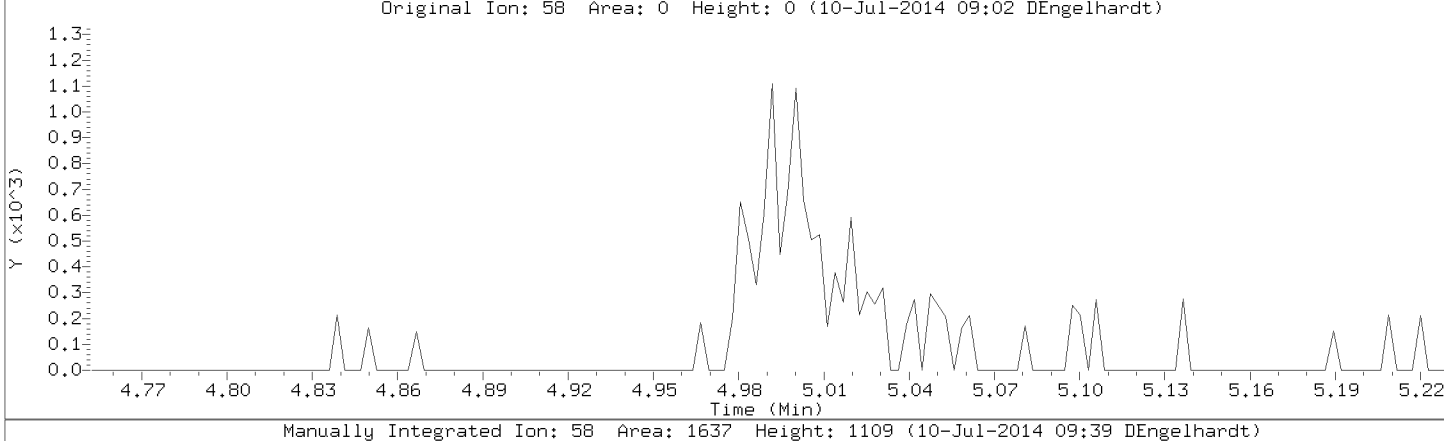
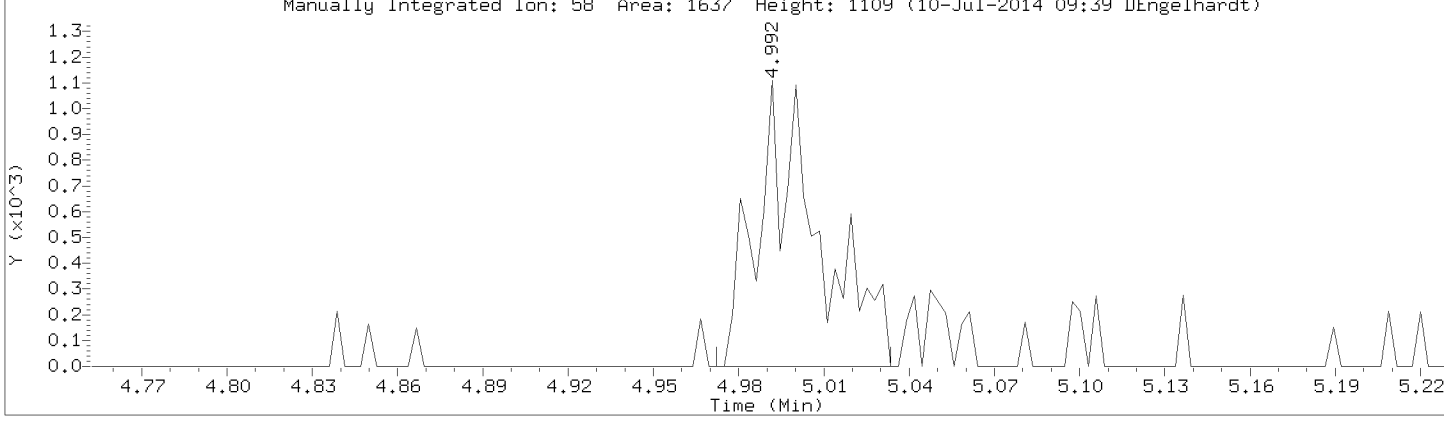
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 1,4-Dioxane
CAS Number:









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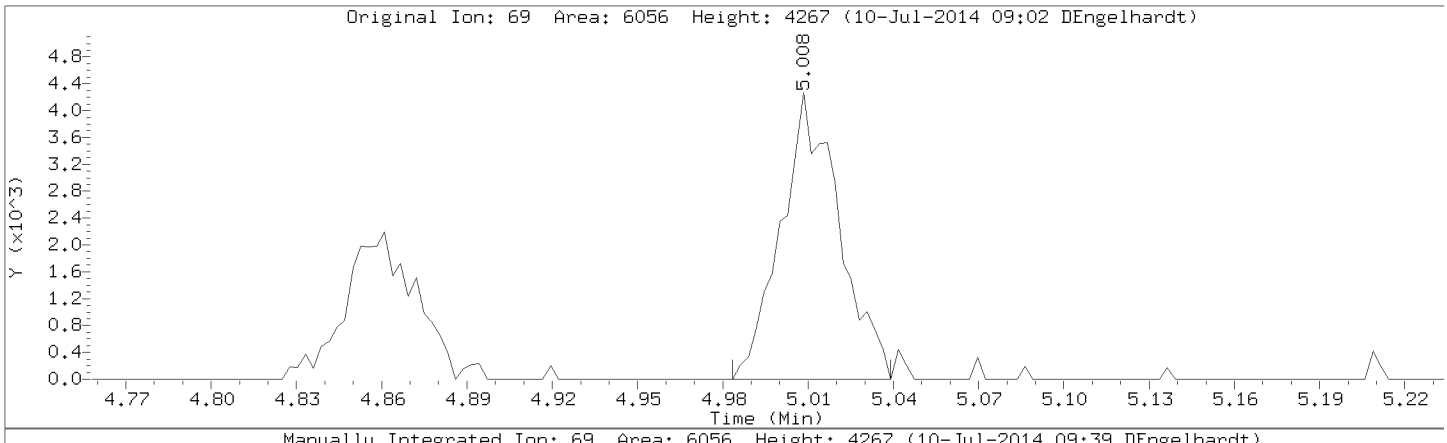
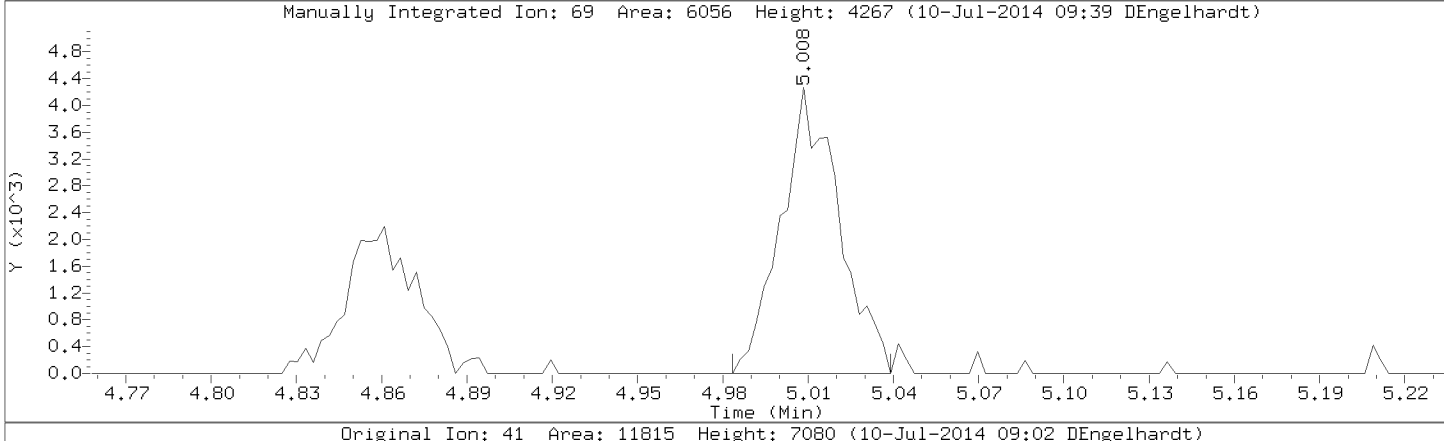
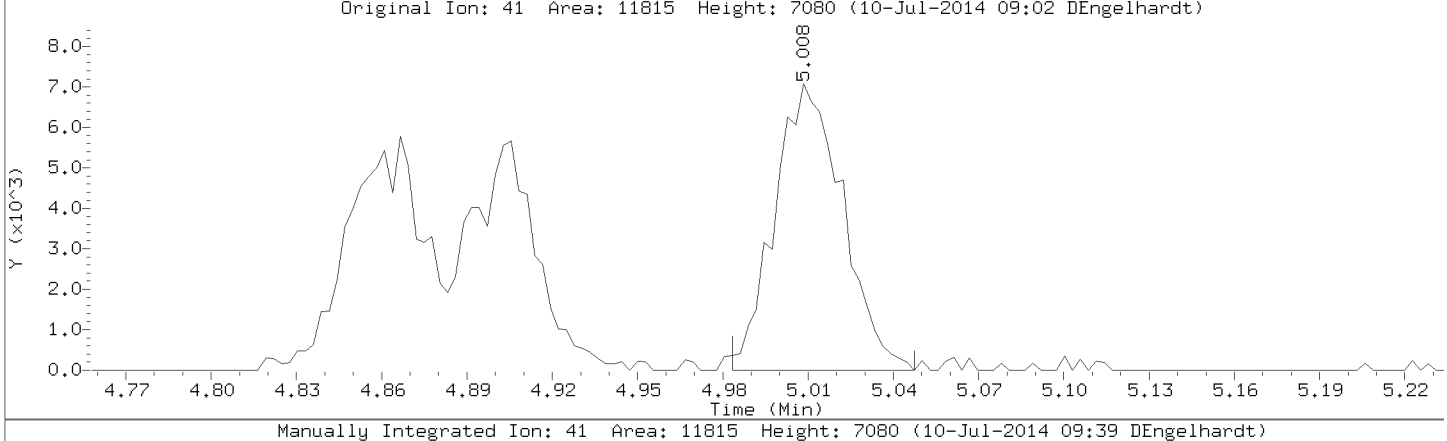
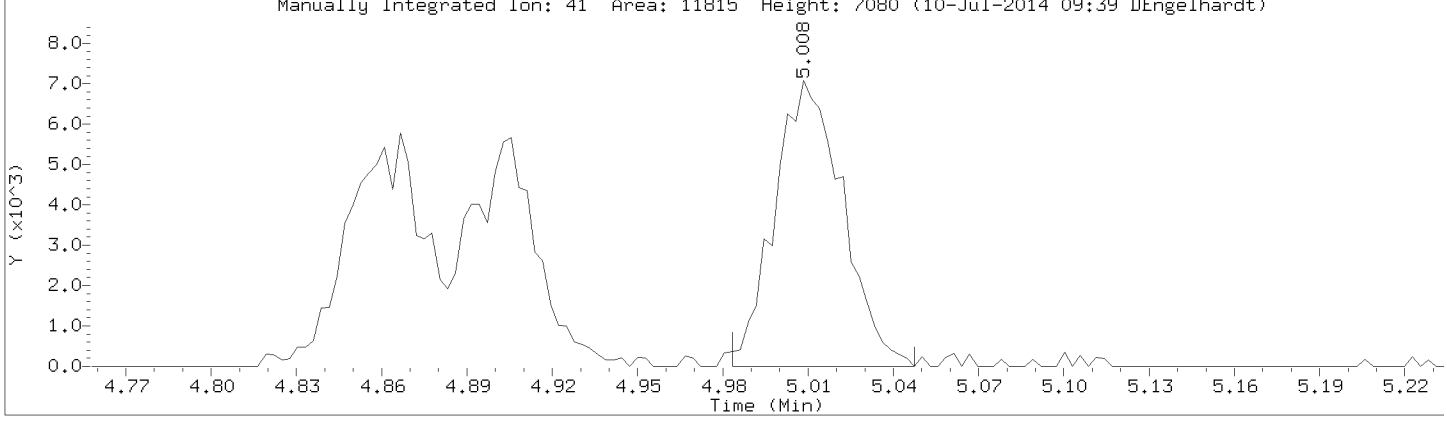
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Methyl methacrylate
CAS Number: 80-62-6









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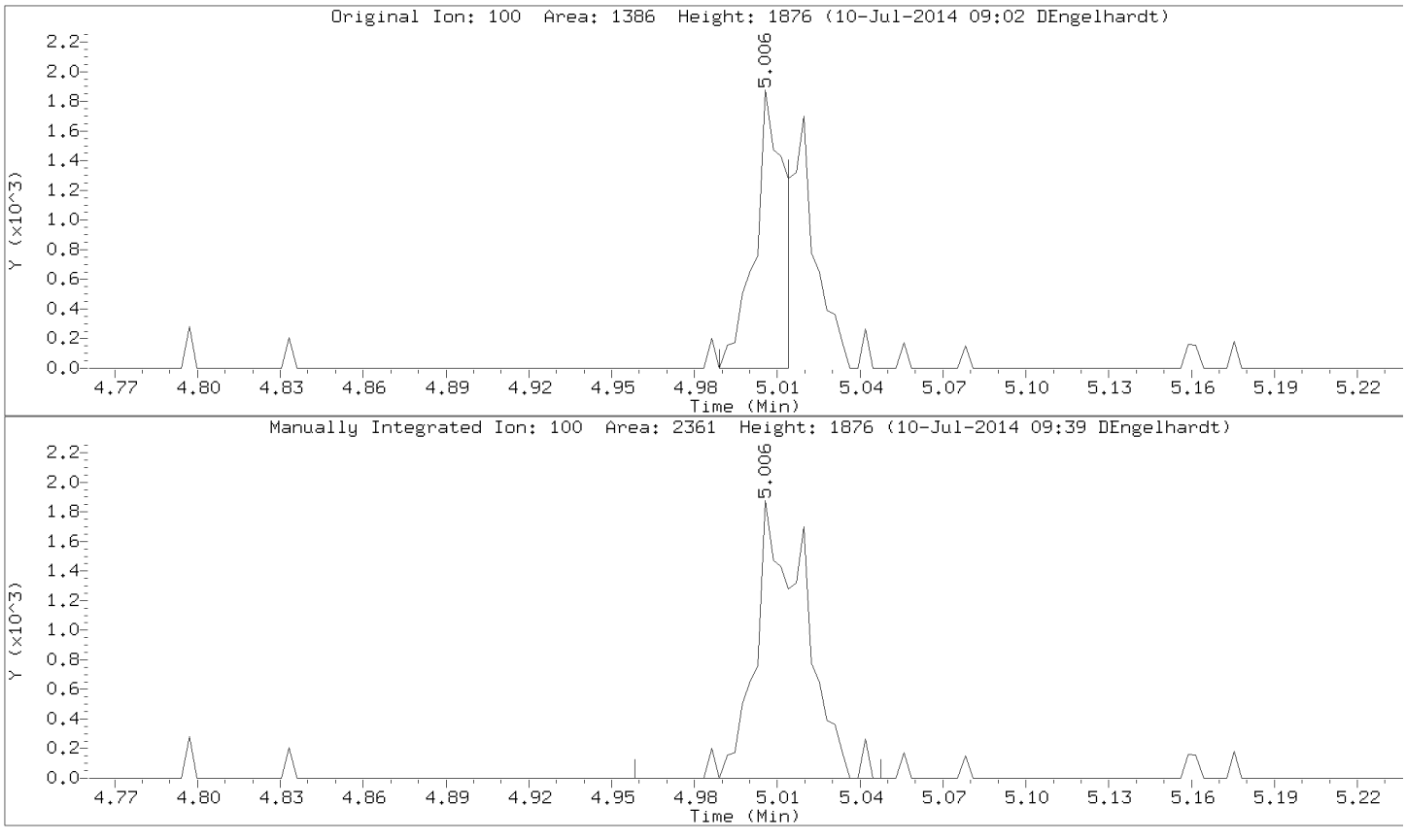
Lab Sample ID: 8260-CAL4,72090:0



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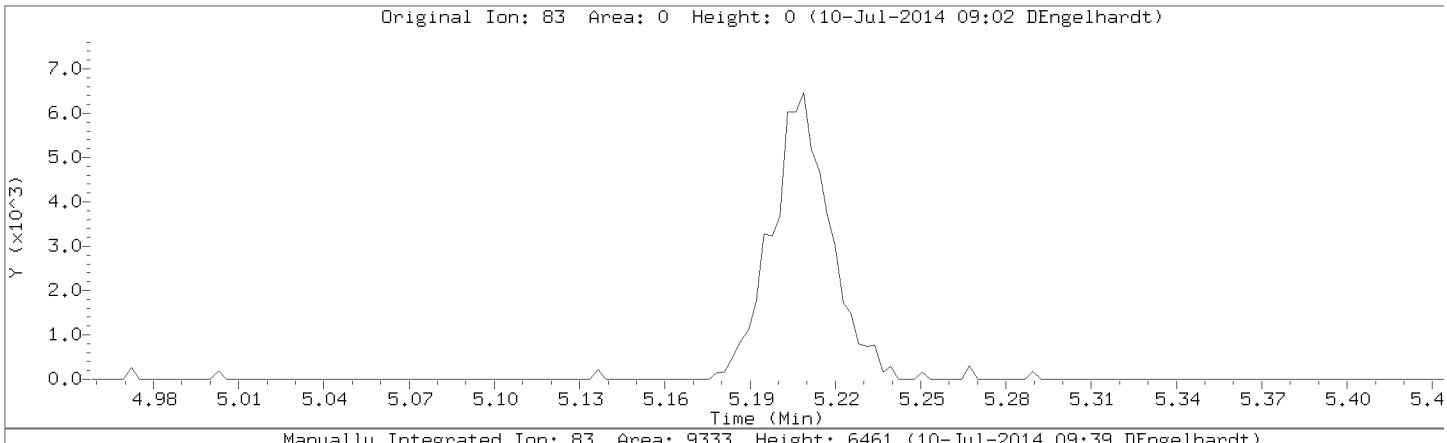
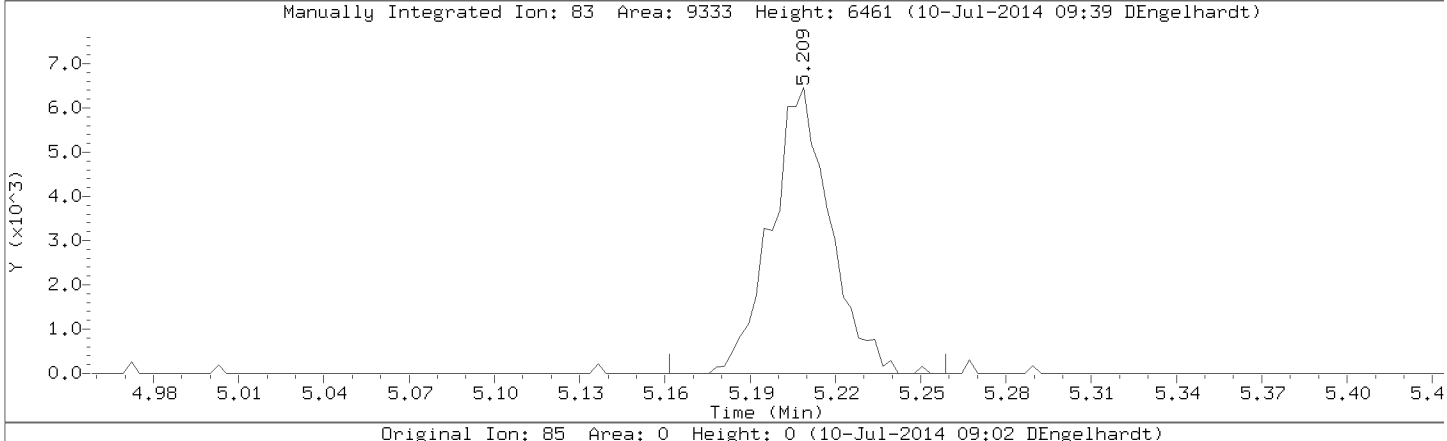
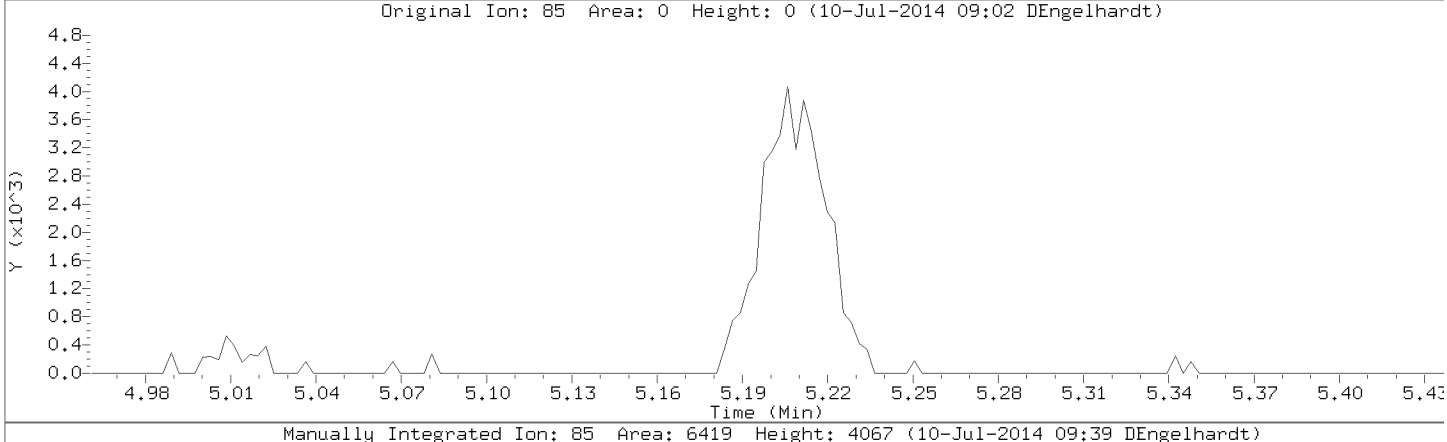
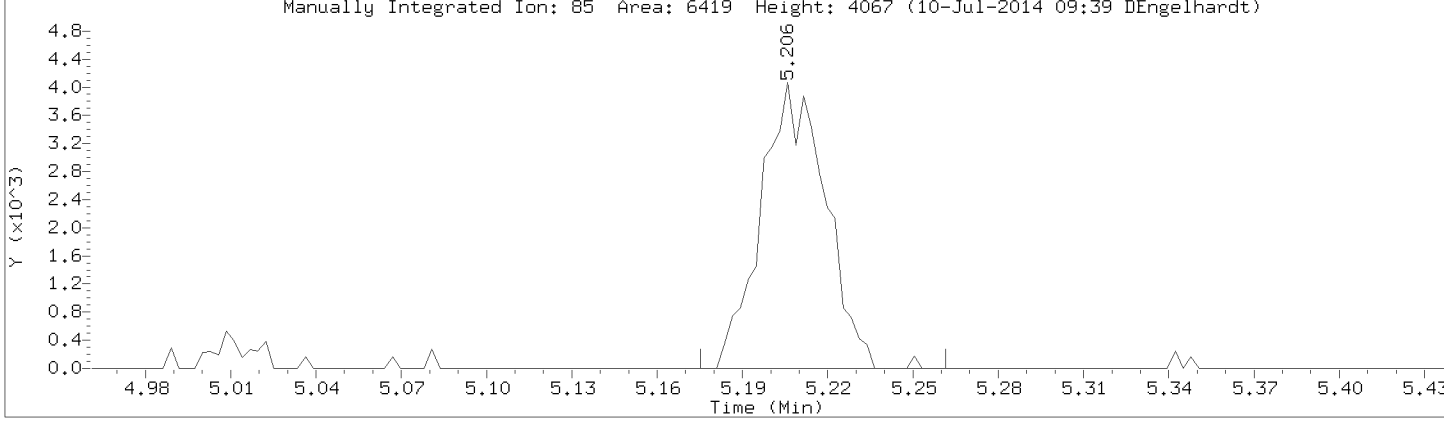
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Bromodichloromethane
CAS Number: 75-27-4









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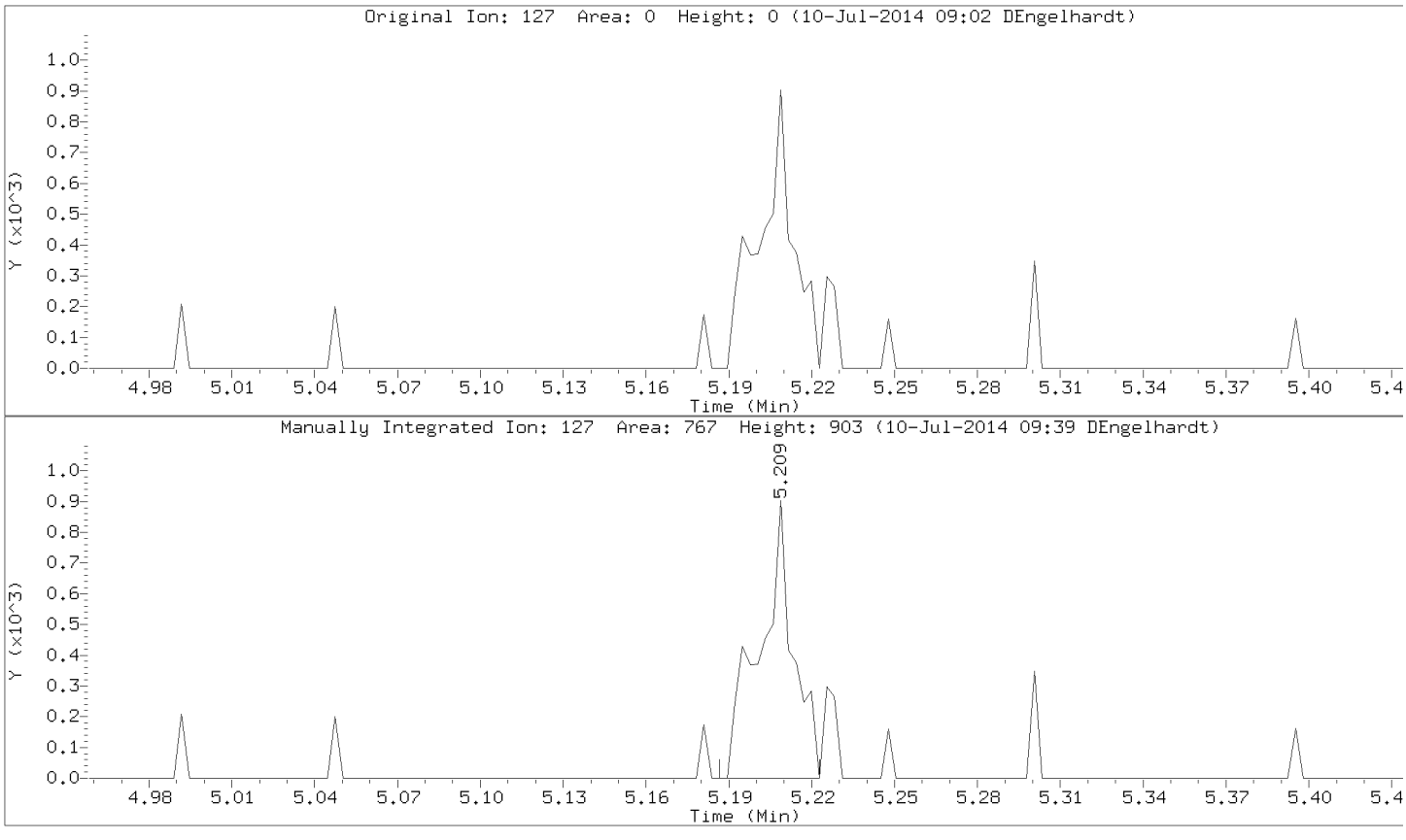
Lab Sample ID: 8260-CAL4,72090:0



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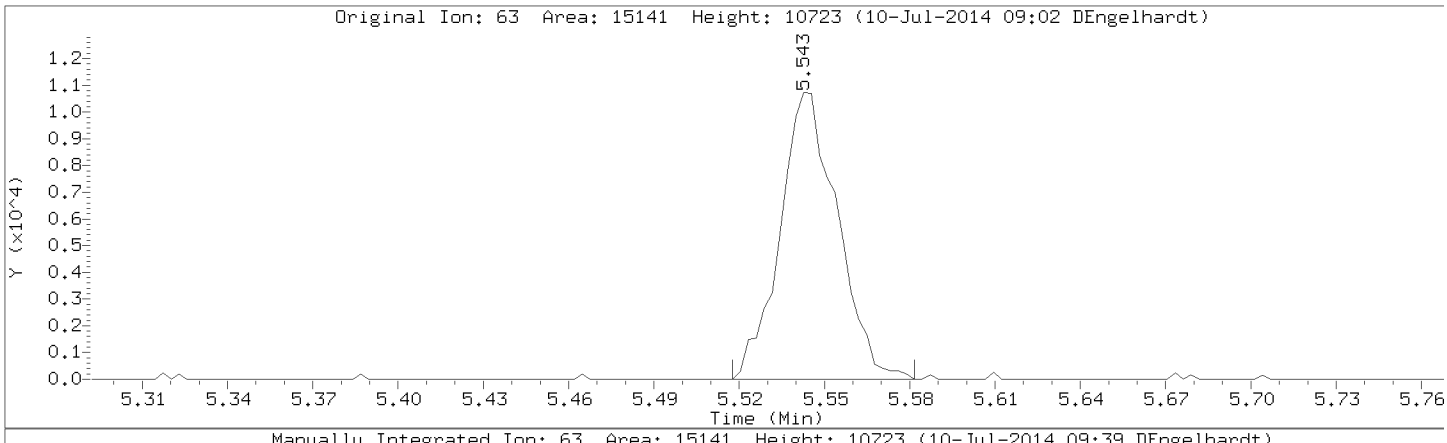
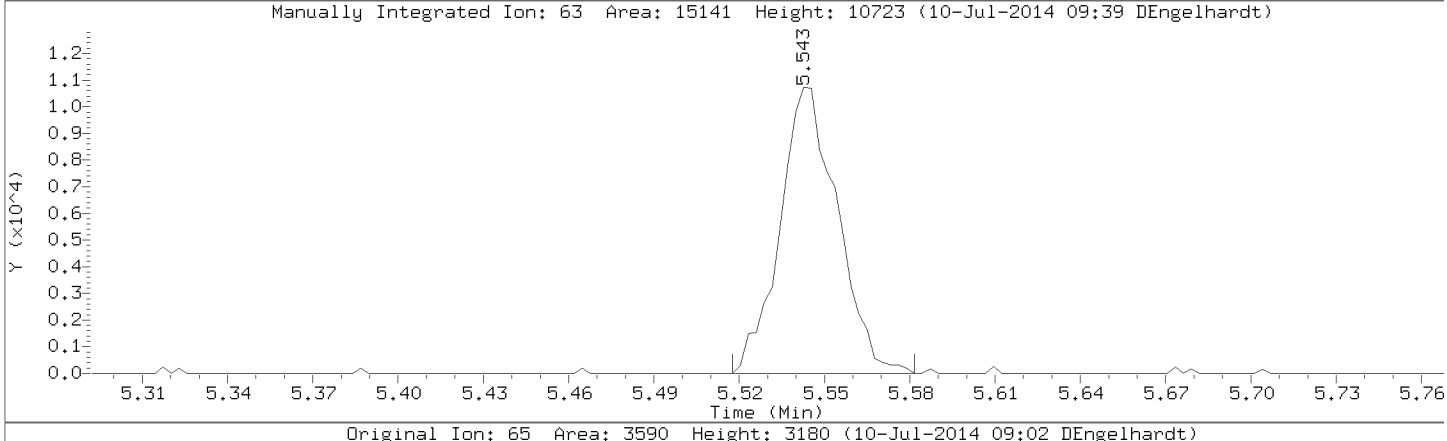
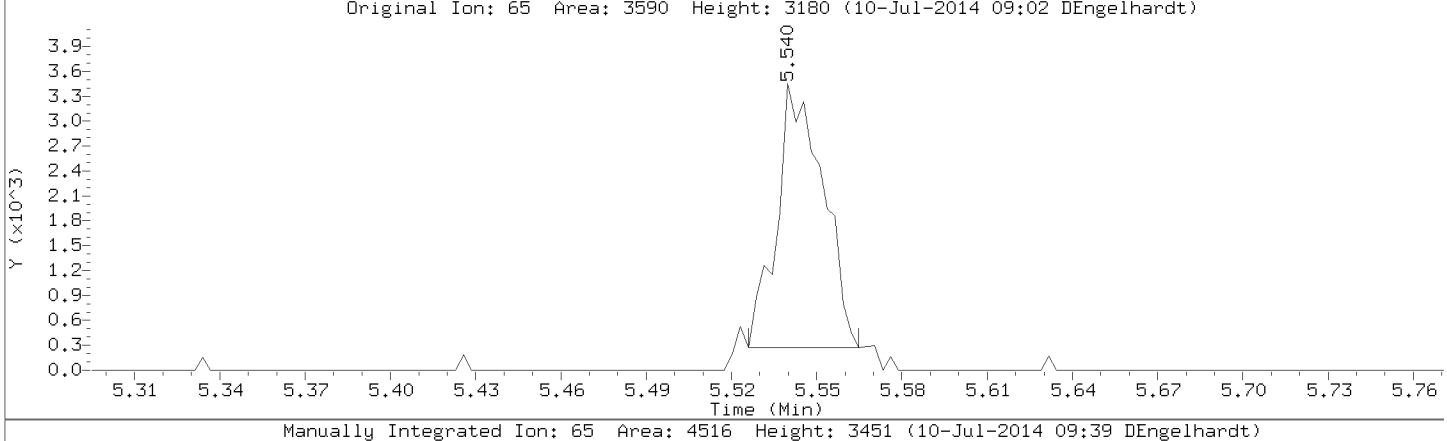
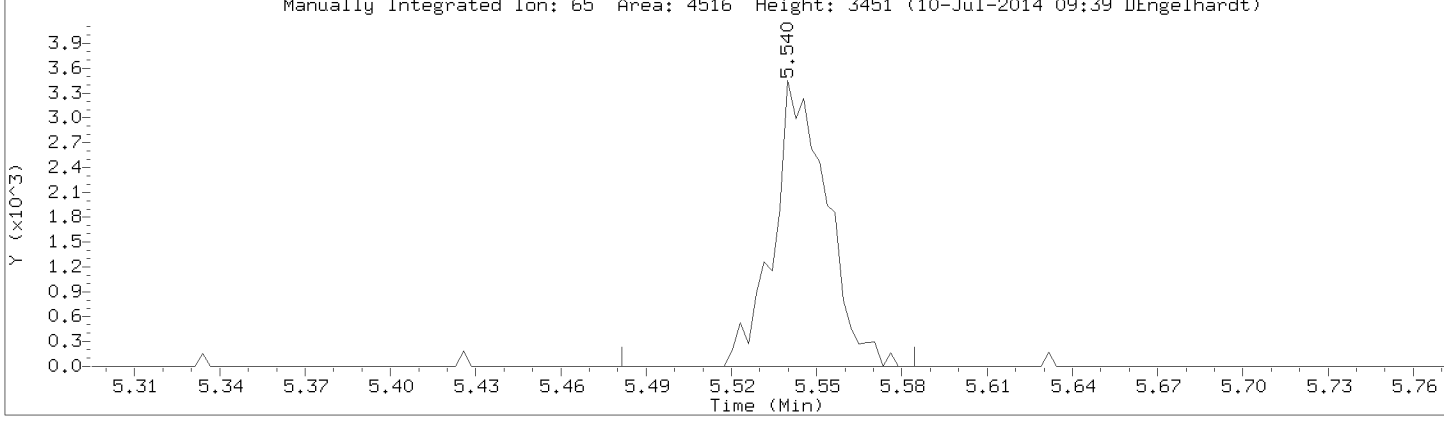
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8









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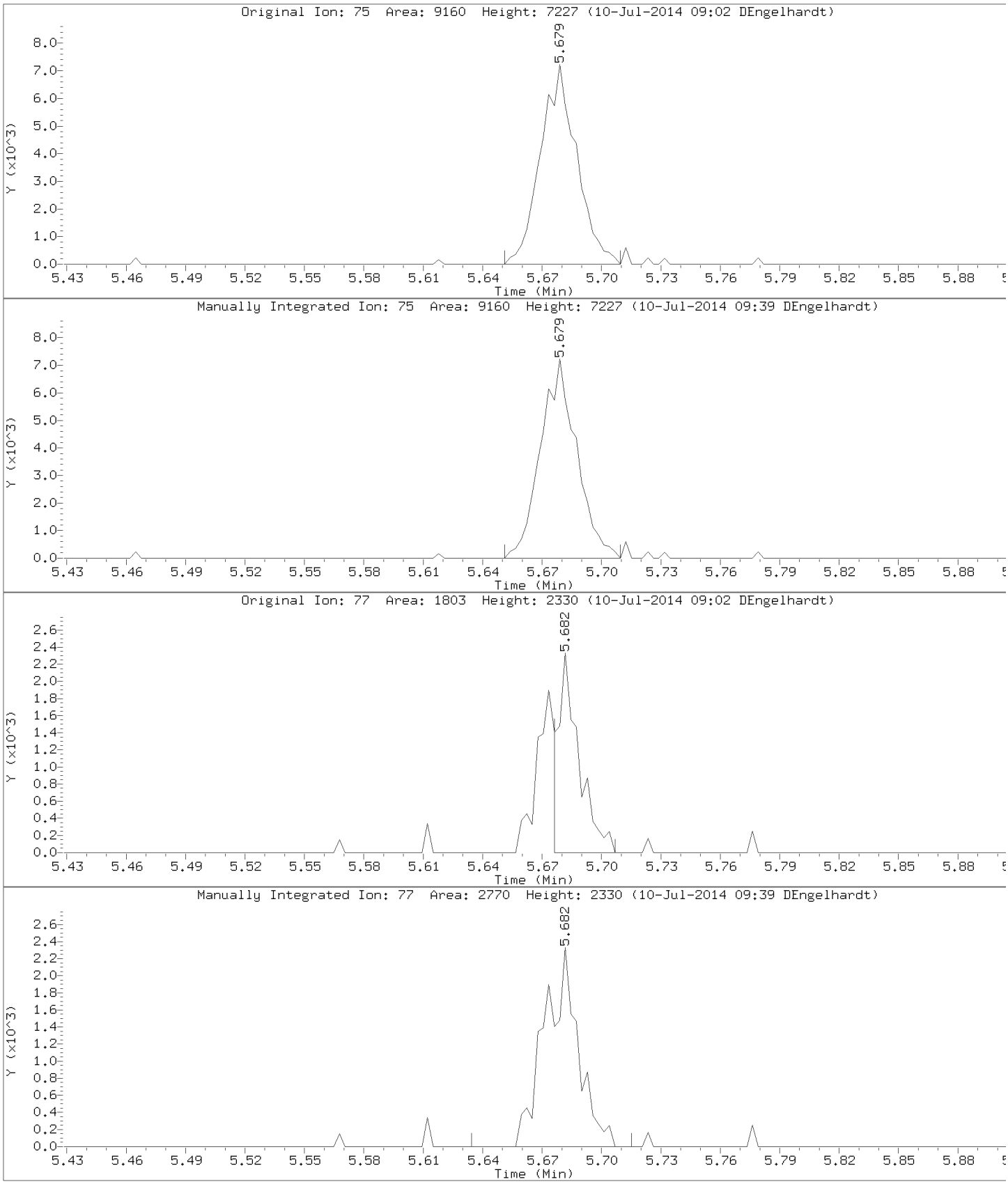
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: cis-1,3-Dichloropropene
CAS Number: 10061-01-5



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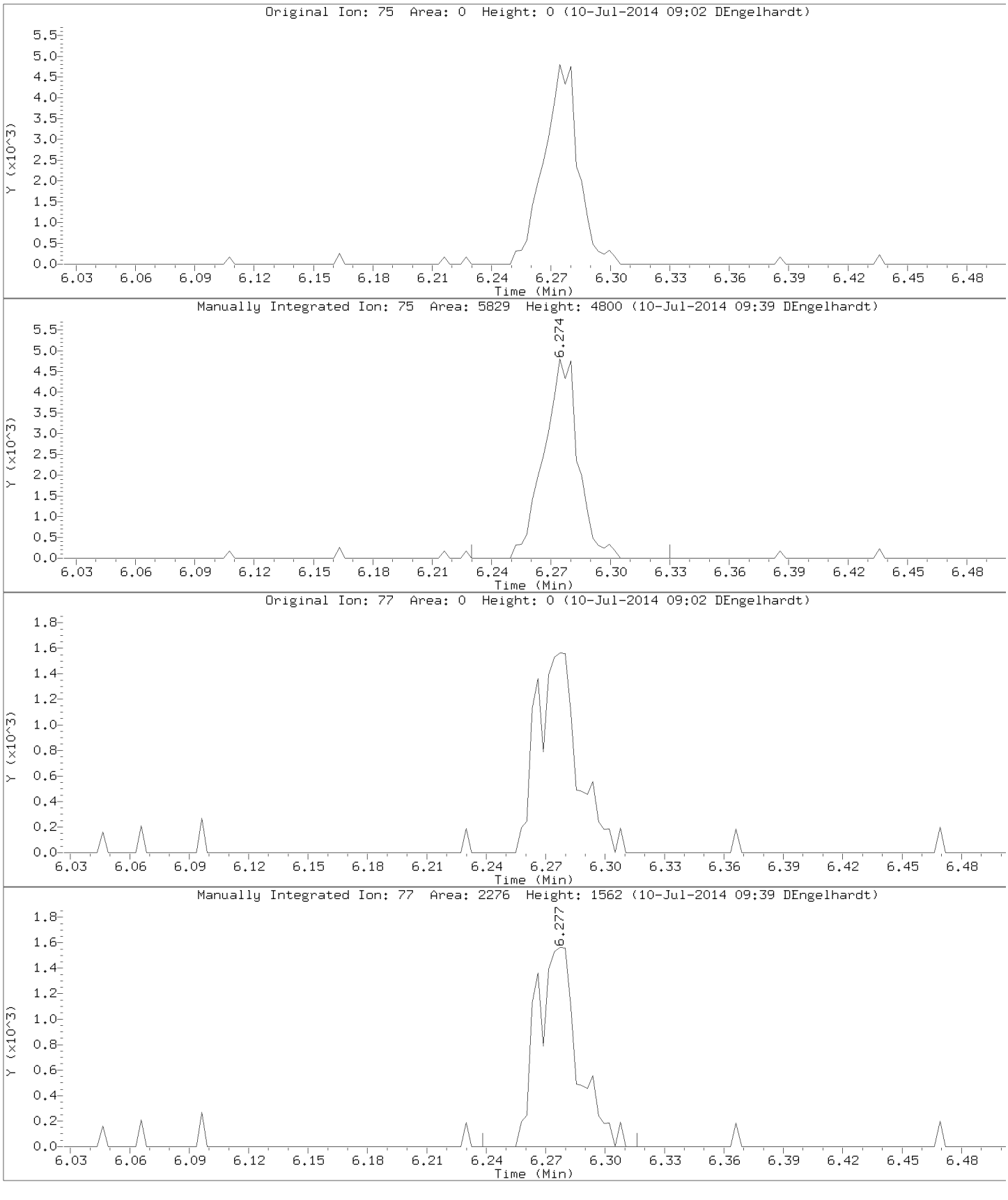
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: trans-1,3-Dichloropropene
CAS Number: 10061-02-6



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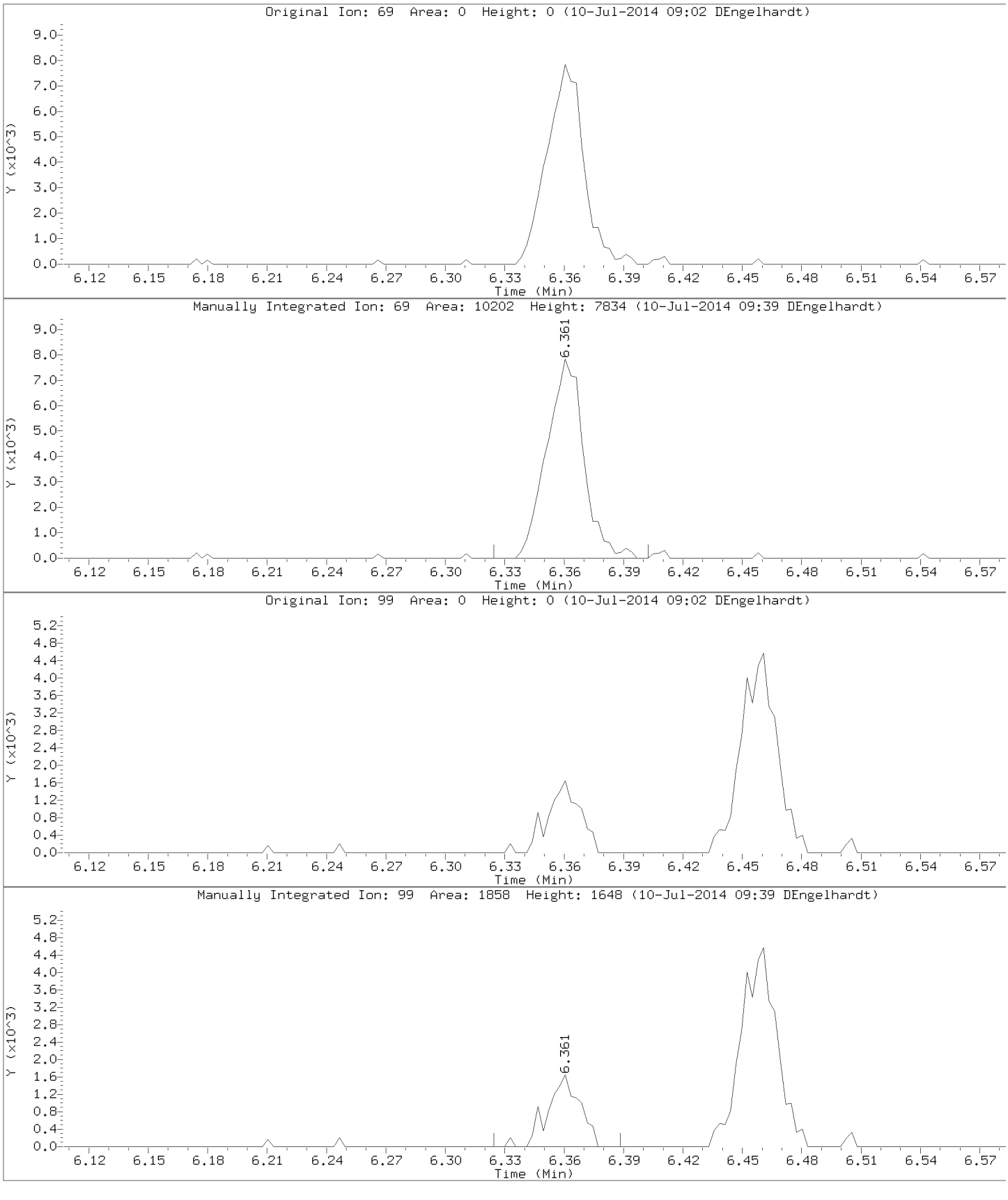
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Ethyl Methacrylate
CAS Number:



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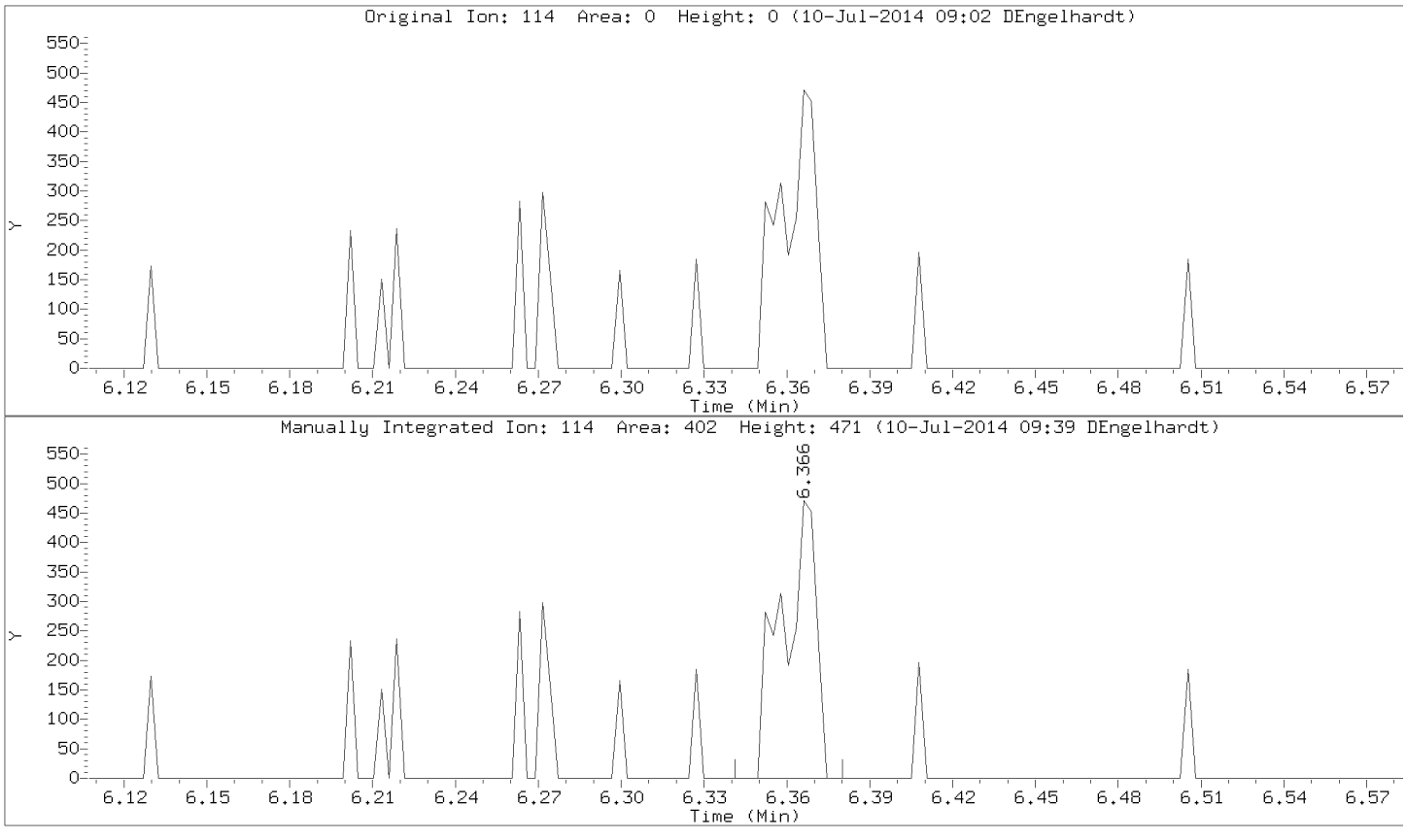
Lab Sample ID: 8260-CAL4,72090:0



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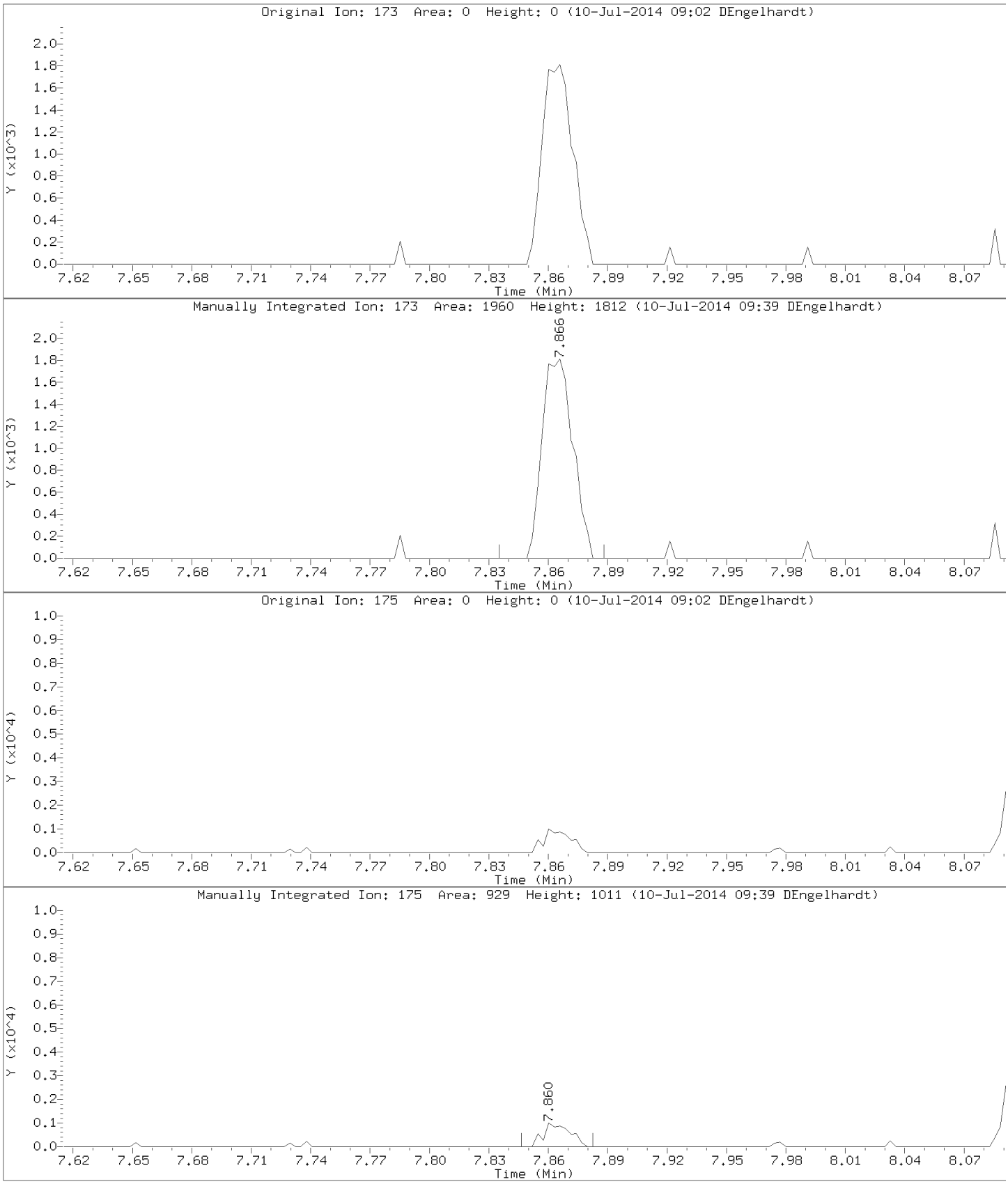
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: Bromoform
CAS Number: 75-25-2



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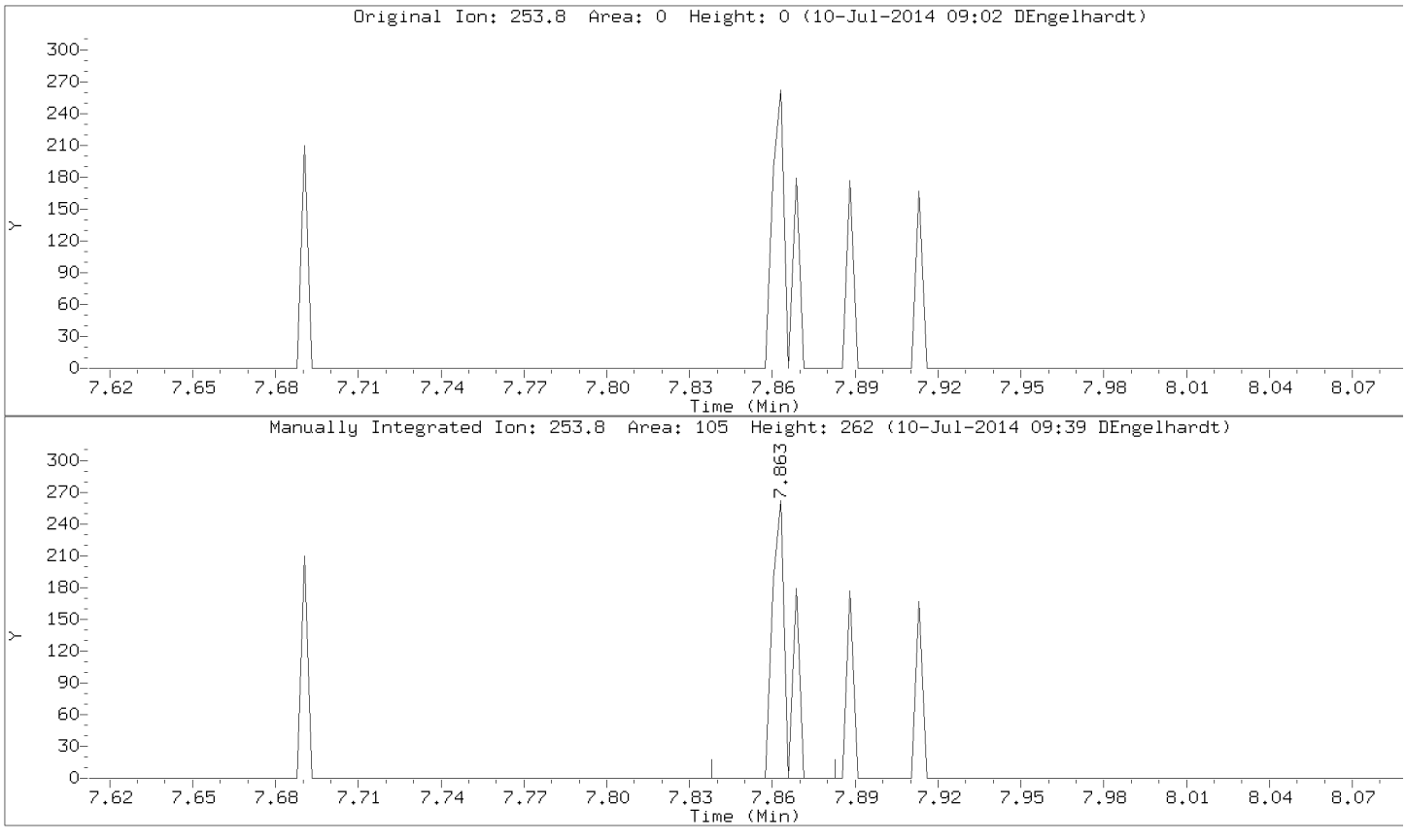
Lab Sample ID: 8260-CAL4,72090:0



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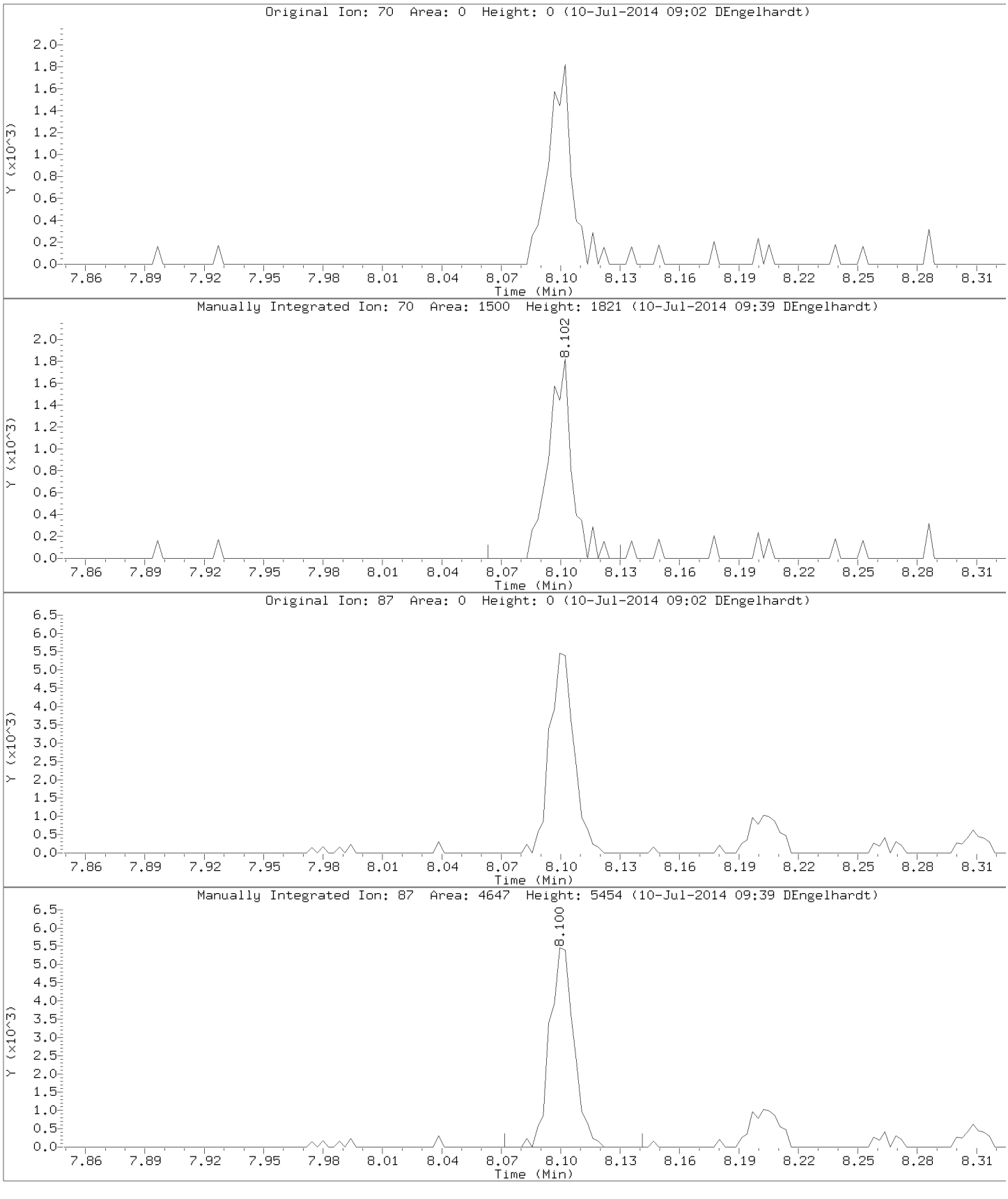
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: n-amyl acetate
CAS Number: 628-63-7



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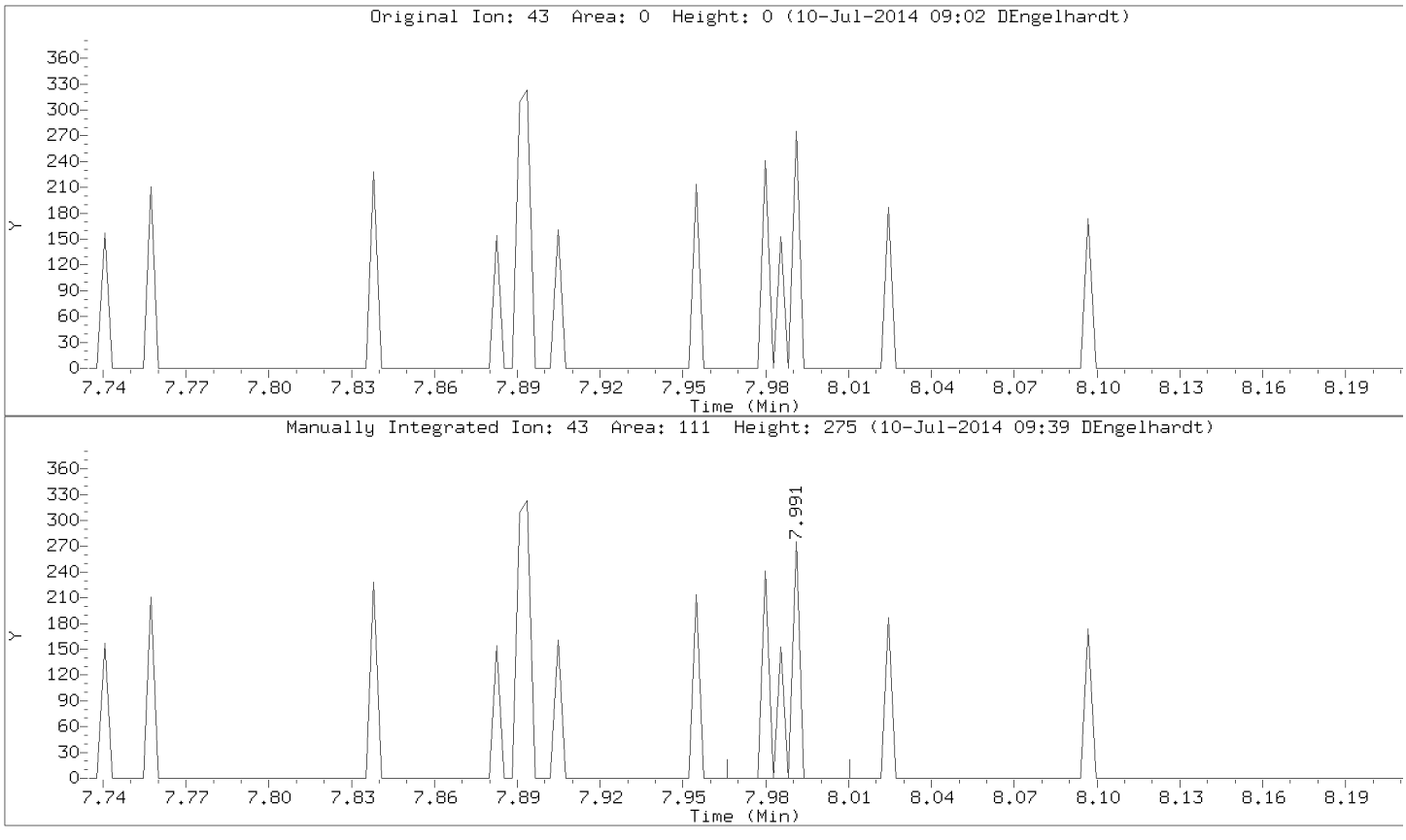
Lab Sample ID: 8260-CAL4,72090:0



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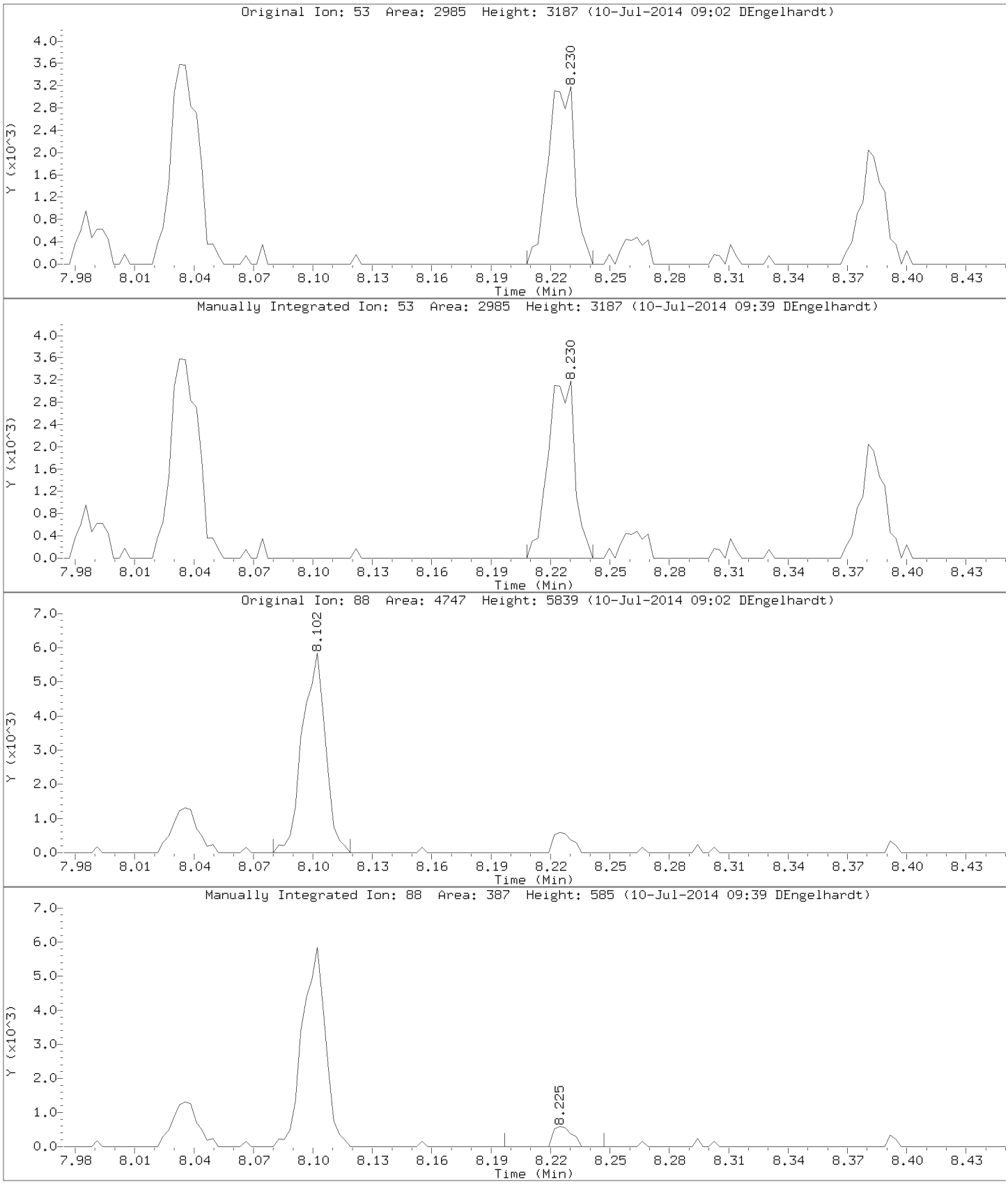
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

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



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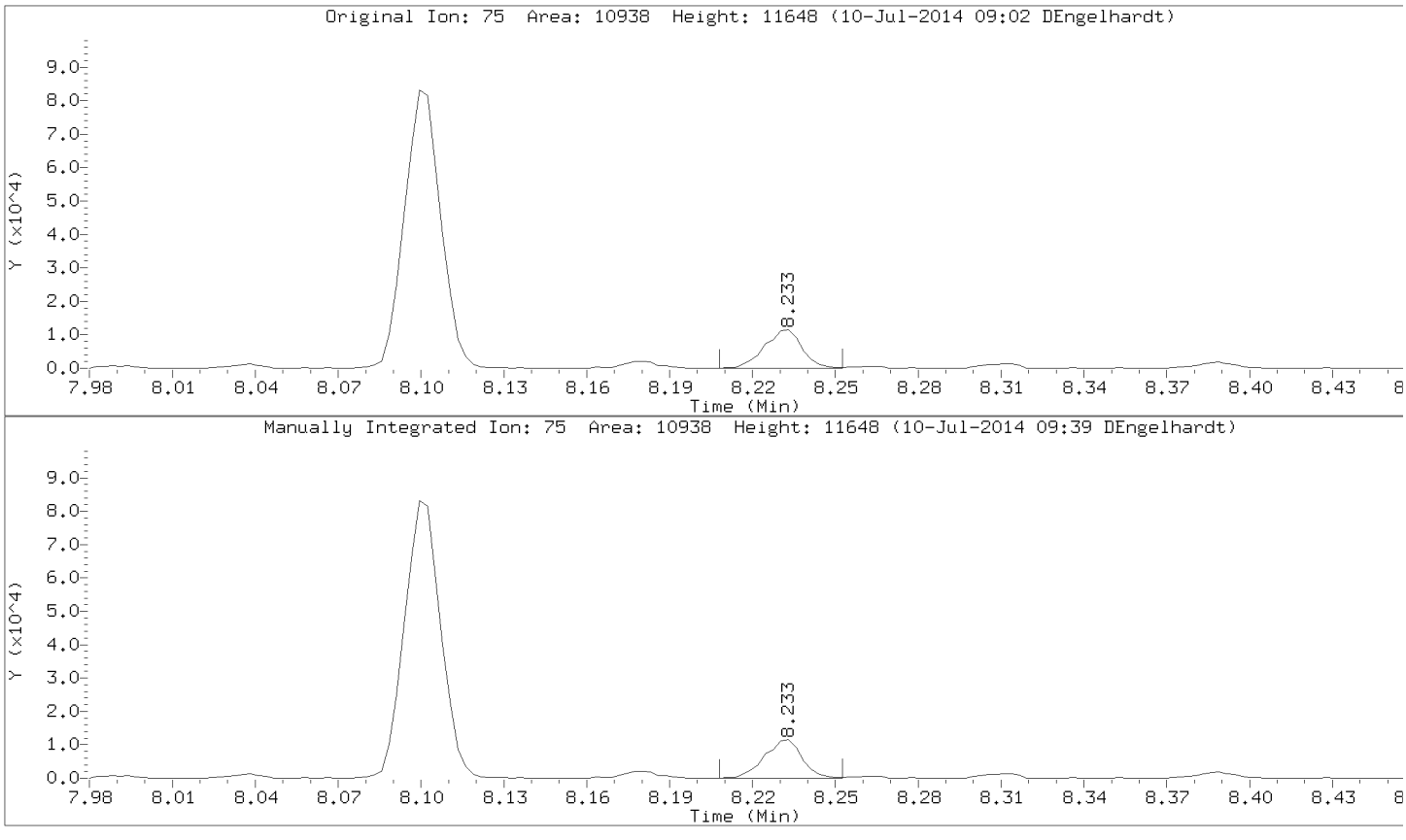
Lab Sample ID: 8260-CAL4,72090:0



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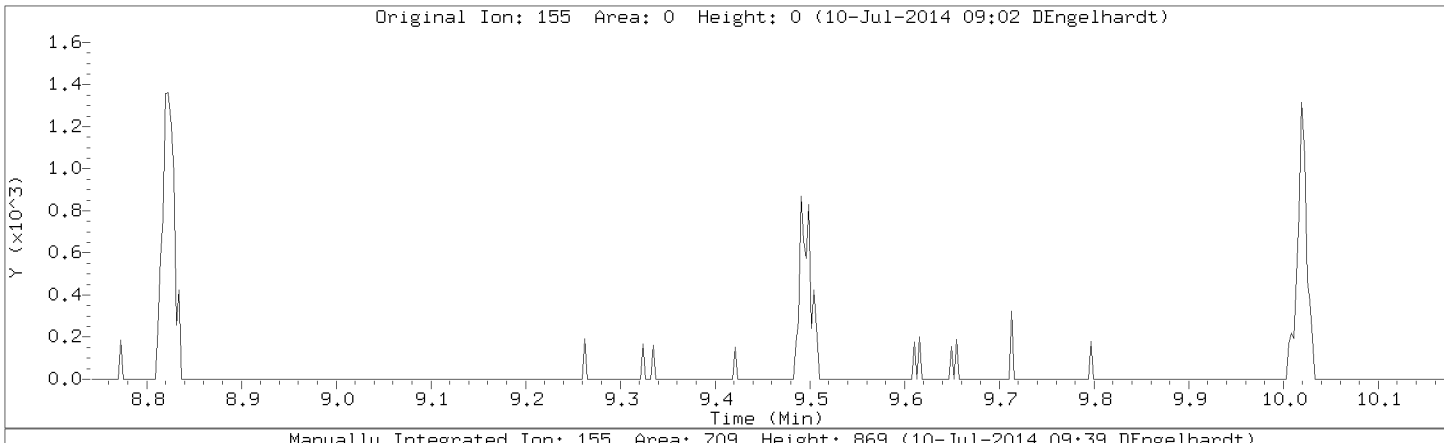
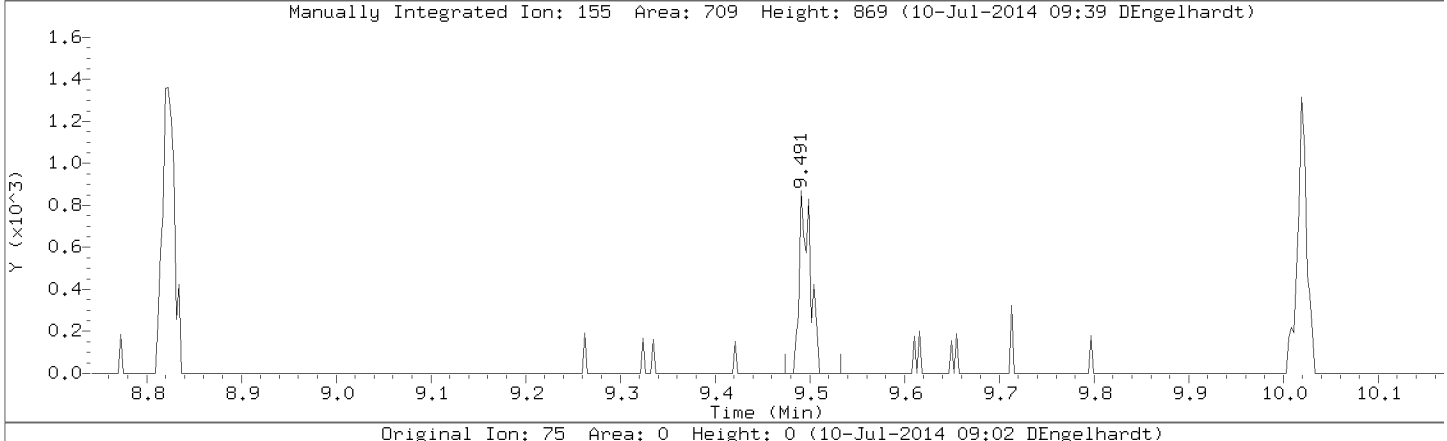
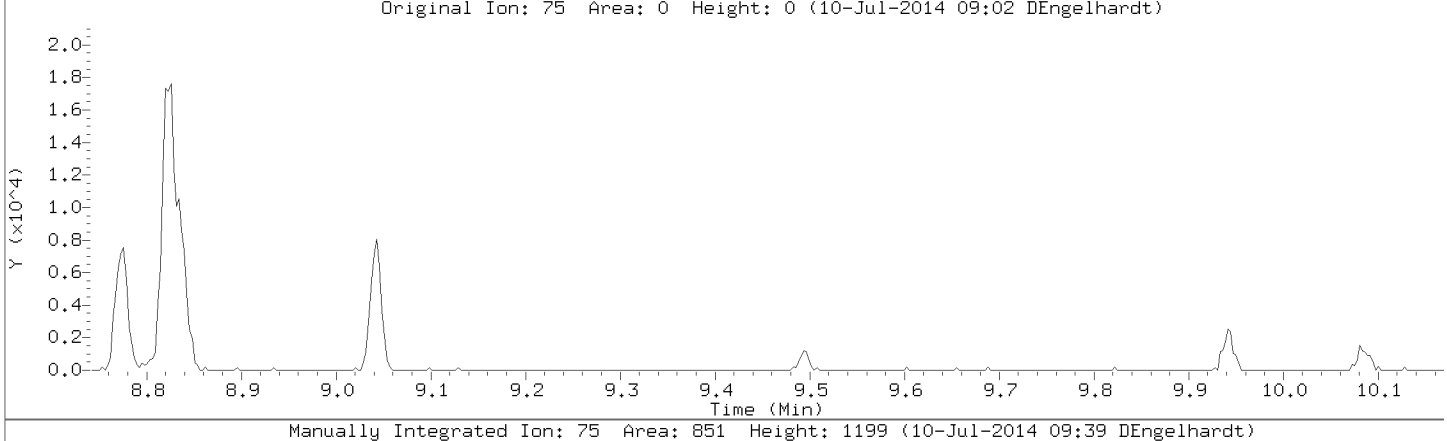
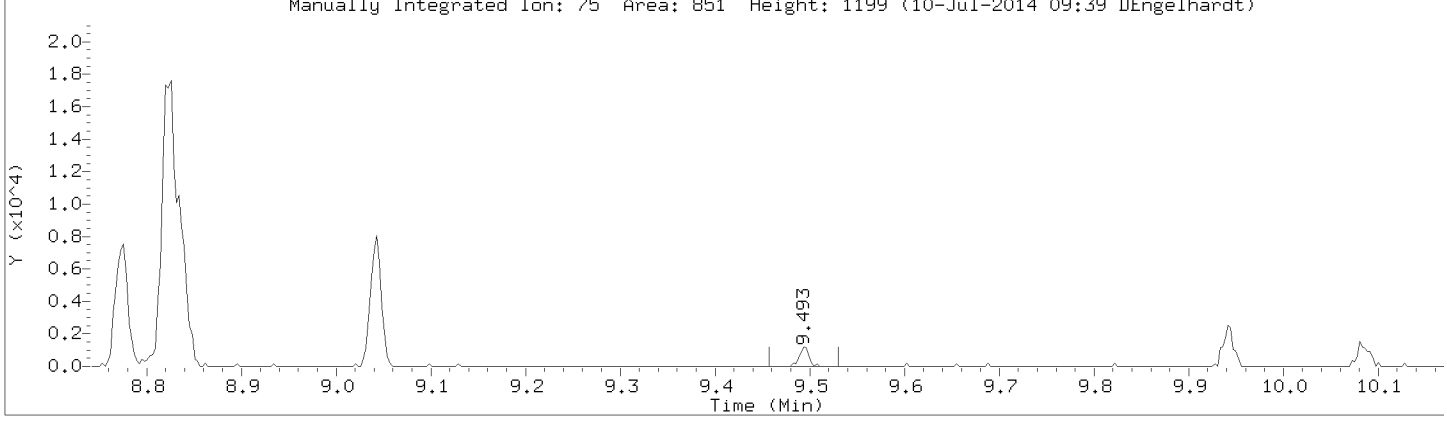
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8









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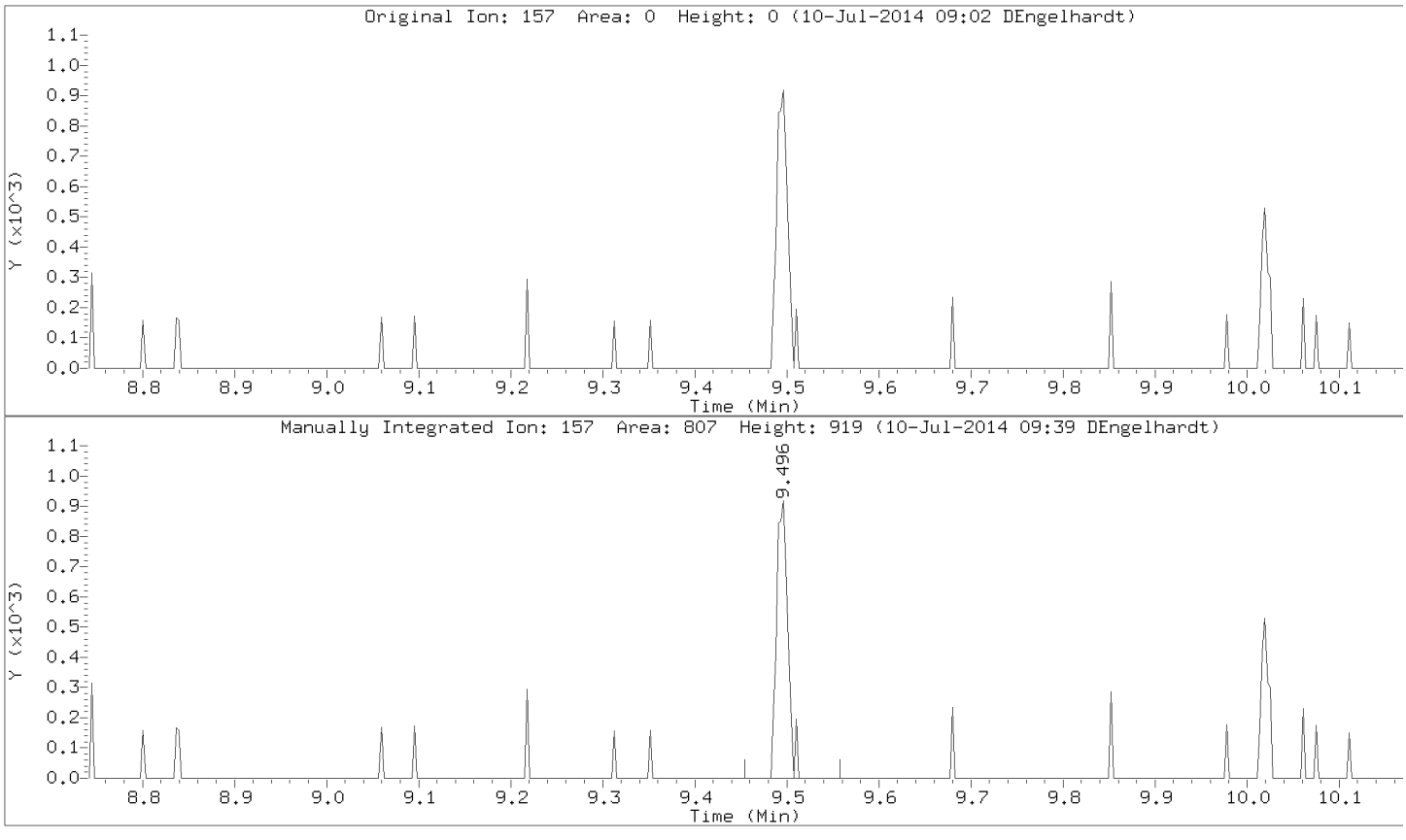
Lab Sample ID: 8260-CAL4,72090:0



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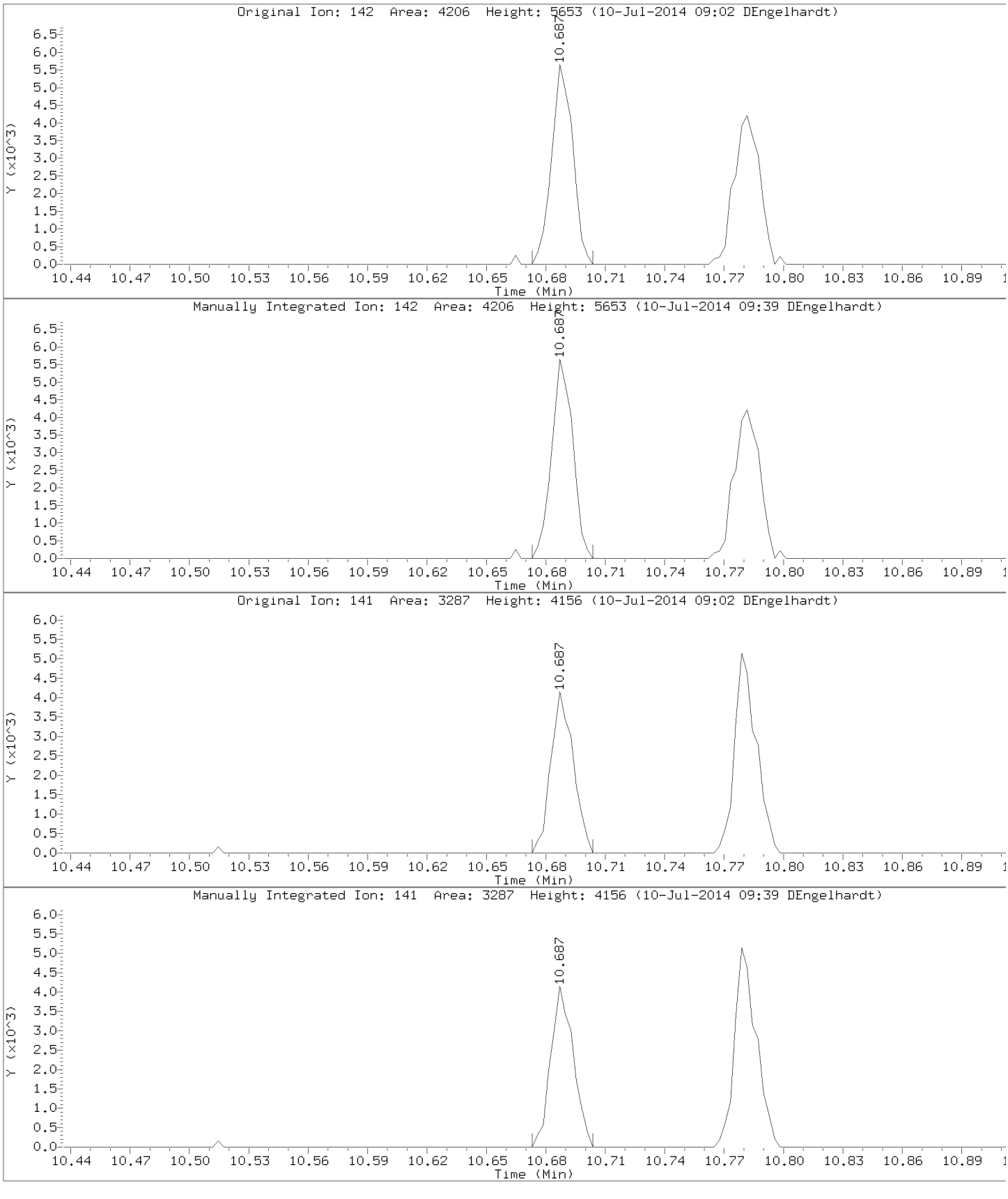
Injection Date: 09-JUL-2014 17:57
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL4,72090:0

Compound: 2,methyl-naphthalene
CAS Number:



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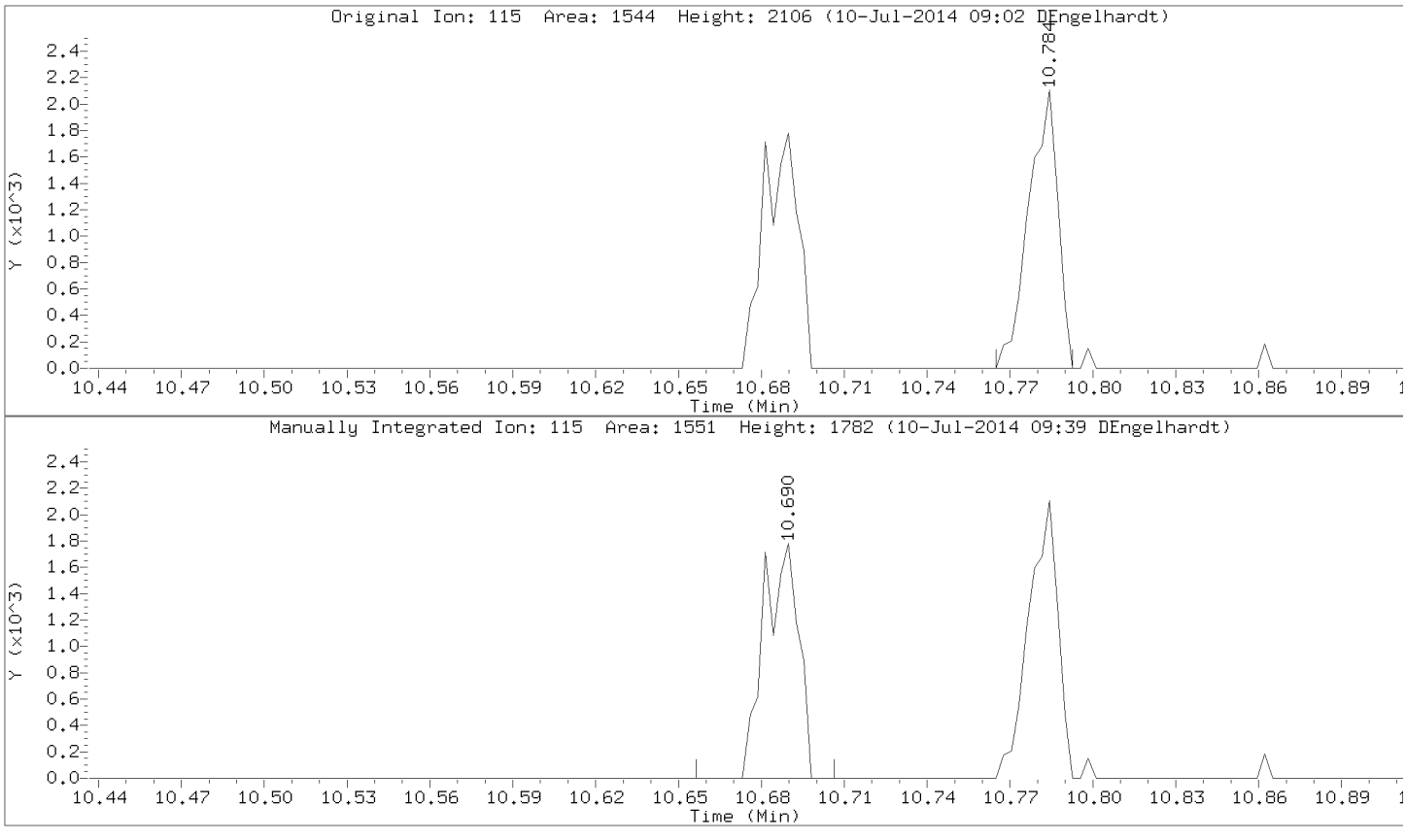

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Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a10cal5.d
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Inj Date : 09-JUL-2014 18:30
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal5,72091:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

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

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

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	32546	10.0000	9.47	
2	Chloromethane	50	1.024	1.024	(0.246)	37288	10.0000	9.42	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	32055	10.0000	9.61	
4	Bromomethane	94	1.216	1.213	(0.292)	6082	10.0000	6.76	
5	Chloroethane	64	1.263	1.260	(0.304)	18839	10.0000	9.51	
6	Trichlorofluoromethane	101	1.372	1.372	(0.330)	44564	10.0000	10.0	
7	Diethyl ether	74	1.497	1.494	(0.360)	12703	10.0000	10.1	
8	1,2-dichlorotrifluoroethane	67	1.514	1.511	(0.364)	29654	10.0000	9.85	
9	Acrolein	56	1.566	1.566	(0.377)	80419	200.000	197	
10	1,1,2trichlorotrifluoroethane	101	1.619	1.616	(0.389)	21495	10.0000	10.0	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	20034	10.0000	10.6	
12	Acetone	43	1.630	1.630	(0.392)	52106	50.0000	37.3	
13	Iodomethane	142	1.708	1.708	(0.411)	18372	20.0000	11.0(M)	
14	Carbon Disulfide	76	1.753	1.753	(0.421)	111041	20.0000	19.9	
15	Methyl Acetate	43	1.797	1.797	(0.432)	26887	10.0000	9.06	
16	Acetonitrile	39	1.817	1.814	(0.437)	68593	10.0000	10.3	
17	allyl chloride	41	1.817	1.814	(0.437)	91182	20.0000	20.6	
18	Methylene Chloride	84	1.889	1.886	(0.454)	26530	10.0000	2.67	
19	tert-Butyl Alcohol	59	1.928	1.922	(0.464)	5111	20.0000	16.4(M)	
20	Acrylonitrile	53	2.020	2.020	(0.486)	240369	200.000	200	
21	Methyl-tert-butyl ether	73	2.048	2.045	(0.492)	125850	20.0000	20.5	
22	1,2-Dichloroethene (trans)	96	2.059	2.056	(0.495)	20846	10.0000	10.6	
23	n-Hexane	57	2.240	2.237	(0.538)	41877	10.0000	9.57	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	266753	40.0000	44.6	
	25 1,1-Dichloroethane	63	2.359	2.357	(0.567)	45505	10.0000	10.3	
	26 Chloroprene	53	2.409	2.412	(0.579)	49679	10.0000	9.50	
	27 Ethyl acetate	88	2.412	2.412	(0.580)	18022	10.0000	(Q)	
	28 2-Butanone	43	2.810	2.810	(0.676)	86729	50.0000	46.5(M)	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.679)	25599	10.0000	8.87	
	30 2,2-Dichloropropane	77	2.835	2.830	(0.682)	16618	10.0000	9.48(M)	
	31 Propionitrile	54	2.874	2.866	(0.691)	4501	10.0000	10.3(QM)	
	32 Methacrylonitrile	41	3.016	3.013	(0.725)	22018	40.0000	39.3(M)	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	27512	10.0000	9.20	
	34 Tetrahydrofuran	42	3.069	3.066	(0.738)	11929	10.0000	5.70(M)	
	35 Chloroform	83	3.161	3.161	(0.760)	40833	10.0000	9.90	
$	36 Dibromofluoromethane (S)	113	3.336	3.333	(0.802)	92556	50.0000	50.8	
	37 1,1,1-Trichloroethane	97	3.330	3.339	(0.801)	25266	10.0000	10.6(M)	
	38 cyclohexane	56	3.417	3.414	(0.821)	51698	10.0000	9.82	
	39 Carbon Tetrachloride	117	3.514	3.511	(0.845)	13686	10.0000	10.2(M)	
	40 1,1-Dichloropropene	75	3.517	3.520	(0.846)	32798	10.0000	9.89(M)	
	41 Benzene	78	3.759	3.759	(0.904)	90694	10.0000	9.37(M)	
	42 1,2-Dichloroethane	62	3.845	3.848	(0.924)	38249	10.0000	9.84(M)	
	43 2,2,4-Trimethylpentane	57	3.934	3.931	(0.946)	85198	10.0000	9.38	
	44 Isobutyl alcohol	43	3.940	3.934	(0.947)	18537	10.0000	9.85(M)	
*	45 Fluorobenzene	96	4.159	4.159	(1.000)	390718	50.0000		
	47 Trichloroethene	95	4.605	4.602	(1.107)	23879	10.0000	8.83(M)	
	48 Methylcyclohexane	55	4.855	4.858	(1.167)	39107	10.0000	9.99(M)	
	49 1,2-Dichloropropane	63	4.900	4.899	(1.178)	25476	10.0000	10.5(M)	
	50 1,4-Dioxane	88	4.994	4.997	(1.201)	3766	10.0000	15.9(M)	
	51 Dibromomethane	93	4.991	4.989	(1.200)	12653	10.0000	9.77	
	52 Methyl methacrylate	69	5.008	5.008	(1.204)	13978	10.0000	10.9(M)	
	53 Bromodichloromethane	83	5.206	5.208	(1.251)	20119	10.0000	10.3(M)	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	31373	20.0000	21.1	
	55 cis-1,3-Dichloropropene	75	5.676	5.679	(0.783)	19092	10.0000	11.3	
	56 4-Methyl-2-Pentanone	43	5.845	5.845	(0.807)	152089	50.0000	54.5	
$	57 Toluene-d8	98	5.935	5.934	(0.819)	370649	50.0000	50.2	
	58 Toluene	91	6.004	6.004	(0.829)	98345	10.0000	10.2	
	59 trans-1,3-Dichloropropene	75	6.277	6.274	(0.866)	13423	10.0000	10.8	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	23918	10.0000	10.8(M)	
	61 1,1,2-Trichloroethane	83	6.458	6.458	(0.891)	15082	10.0000	9.10	
	62 Tetrachloroethene	166	6.505	6.505	(0.898)	19320	10.0000	9.87	
	63 1,3-Dichloropropane	76	6.597	6.599	(0.911)	34413	10.0000	9.70	
	64 2-Hexanone	43	6.672	6.672	(0.921)	105865	50.0000	54.8	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	9017	10.0000	10.8	
	66 1,2-Dibromoethane	107	6.869	6.867	(0.948)	14923	10.0000	10.3	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	256603	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	54721	10.0000	9.75	
	69 1,1,1,2-Tetrachloroethane	131	7.351	7.348	(1.015)	9372	10.0000	10.5(Q)	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	31694	10.0000	9.82	
	71 m&p-Xylene	106	7.454	7.459	(1.029)	74296	20.0000	19.9	
	72 o-Xylene	106	7.729	7.729	(1.067)	36126	10.0000	11.0	
	73 Styrene	104	7.746	7.746	(1.069)	59073	10.0000	10.6	
	74 Bromoform	173	7.863	7.865	(0.891)	4252	10.0000	9.84(M)	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	95595	10.0000	10.7	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	144320	50.0000	50.5	
	78 Bromobenzene	77	8.180	8.180	(1.129)	39676	10.0000	10.1	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	23478	10.0000	10.4	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
80	trans-1,4-Dichloro-2-butene	53	8.224	8.224	(1.135)	6730	10.0000	9.22(Q)	
81	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	7880	10.0000	10.2	
82	n-Propylbenzene	91	8.260	8.260	(0.936)	120086	10.0000	9.89	
83	2-Chlorotoluene	91	8.311	8.308	(0.942)	71737	10.0000	10.0	
84	1,3,5-Trimethylbenzene	105	8.380	8.380	(0.950)	77489	10.0000	10.1	
85	4-Chlorotoluene	126	8.388	8.388	(0.951)	21097	10.0000	9.75	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	68727	10.0000	10.4	
87	1,2,4-Trimethylbenzene	105	8.608	8.611	(0.976)	78908	10.0000	9.73	
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	94448	10.0000	10.4	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	36578	10.0000	9.30	
90	p-Isopropyltoluene	119	8.806	8.803	(0.998)	78760	10.0000	10.6	
* 91	1,4-Dichlorobenzene-d4	152	8.822	8.822	(1.000)	116586	50.0000		
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	38437	10.0000	9.40	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	79014	10.0000	10.8	
94	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	34800	10.0000	10.2	
95	1,2-Dibromo-3-chloropropane	155	9.493	9.493	(1.076)	1503	10.0000	14.9	
96	1,2,4-Trichlorobenzene	180	9.941	9.941	(1.127)	17597	10.0000	11.2	
97	Hexachlorobutadiene	225	10.022	10.022	(1.136)	8468	10.0000	8.69	
98	Naphthalene	128	10.086	10.086	(1.143)	54361	10.0000	11.0	
99	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	15930	10.0000	11.3	
100	2,methyl-naphthalene	142	10.687	10.687	(1.211)	11192	10.0000	15.6	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	10343	10.0000	14.5	

QC Flag Legend

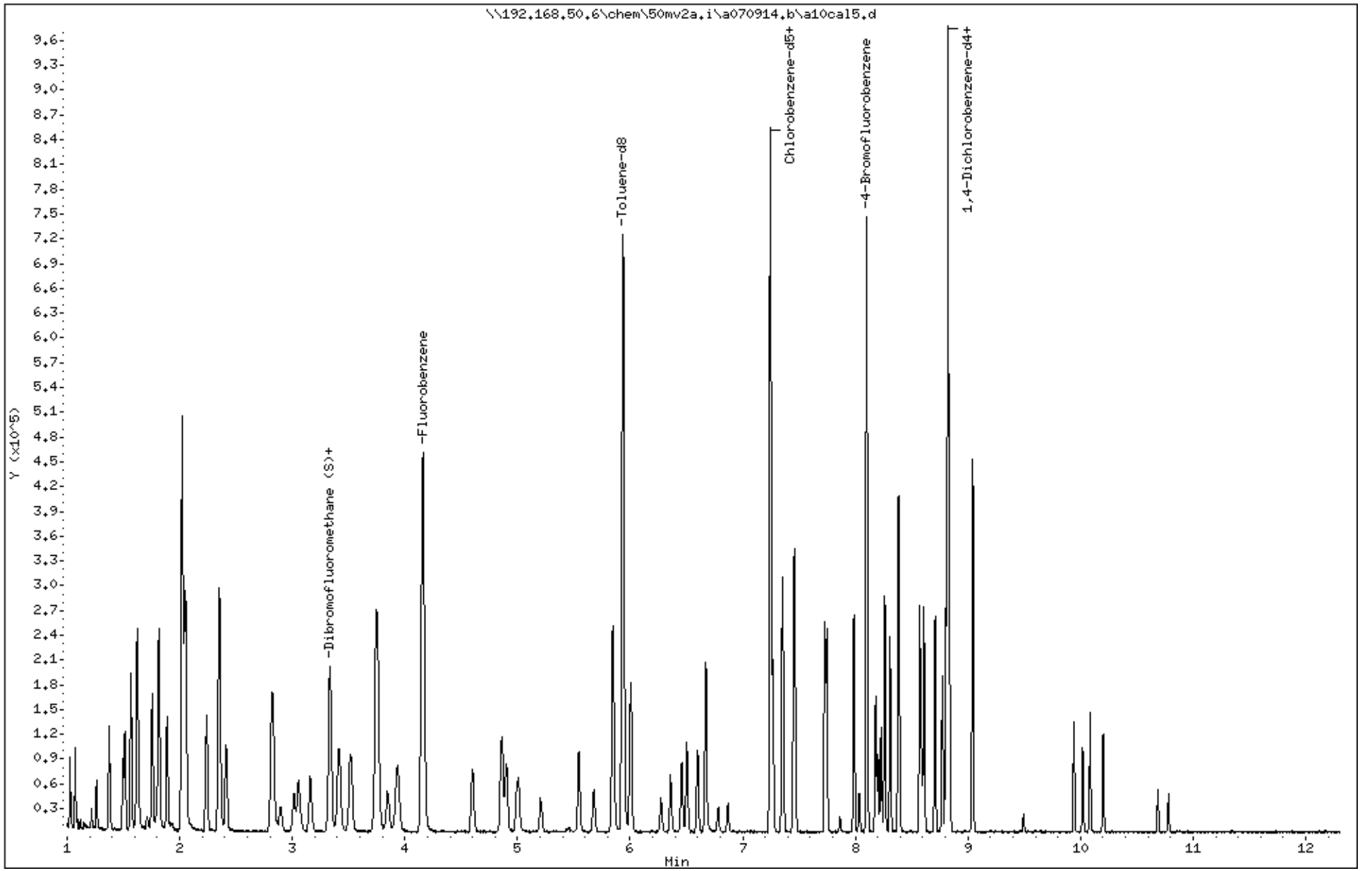
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a10cal5.d
Date : 09-JUL-2014 18:30
Client ID: 8260-CAL5,72091:0
Sample Info: 8260-CAL5,72091:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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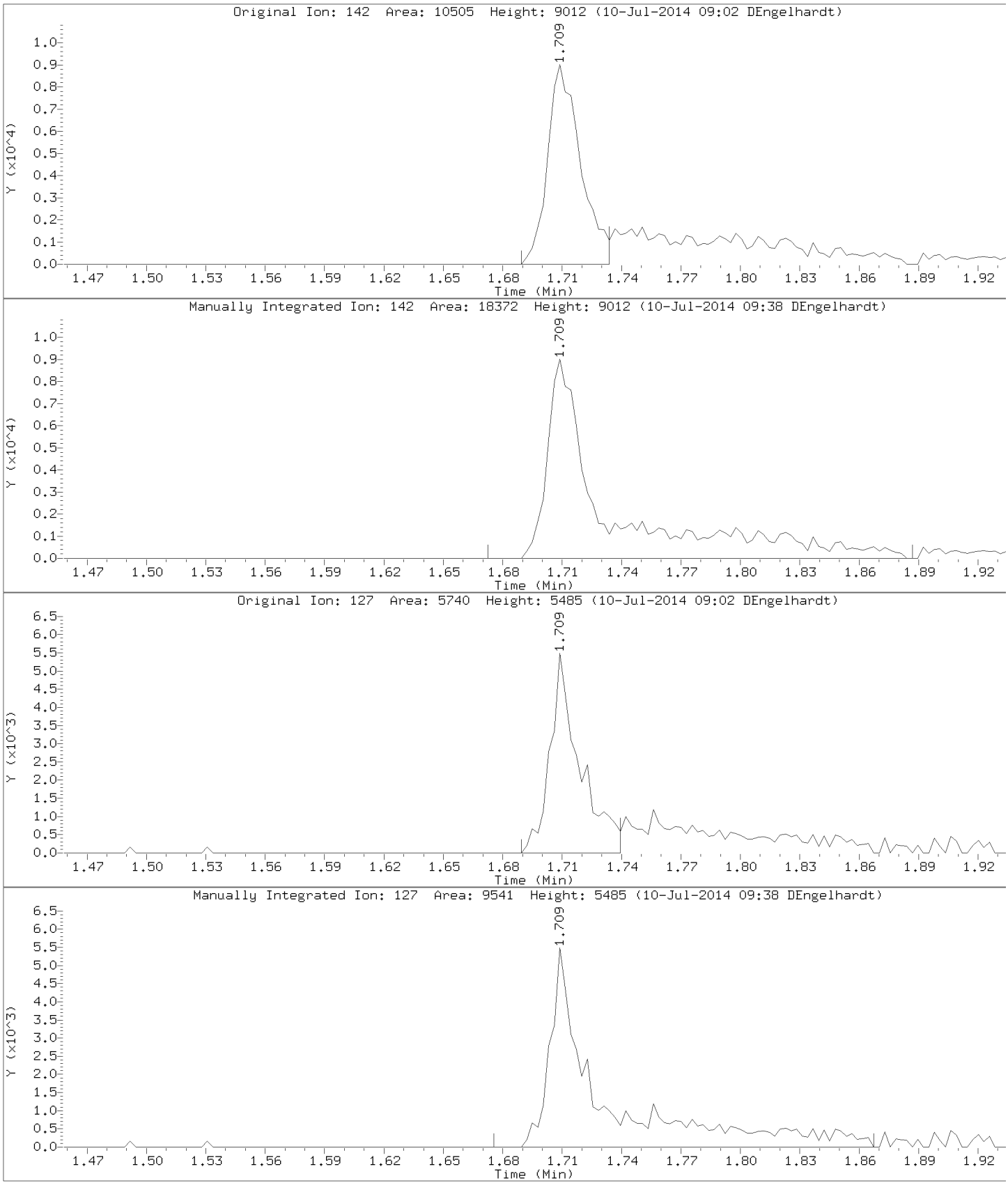
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Iodomethane
CAS Number:



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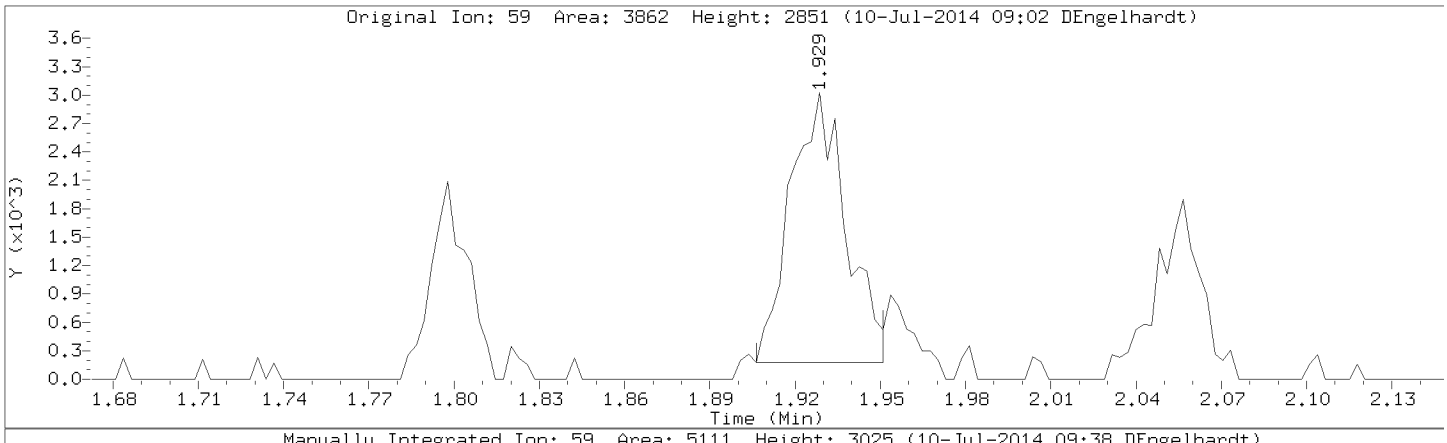
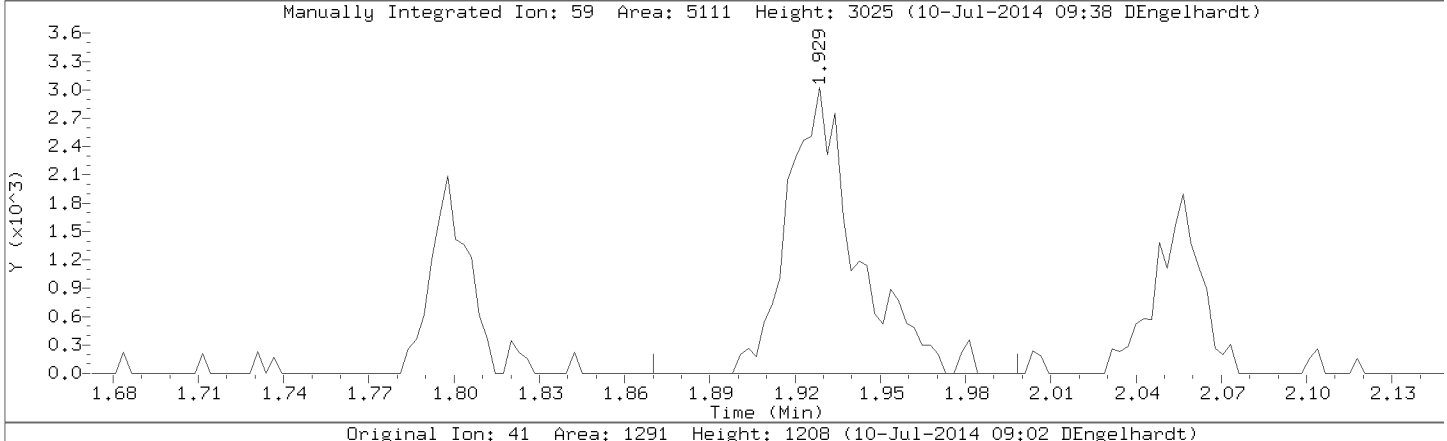
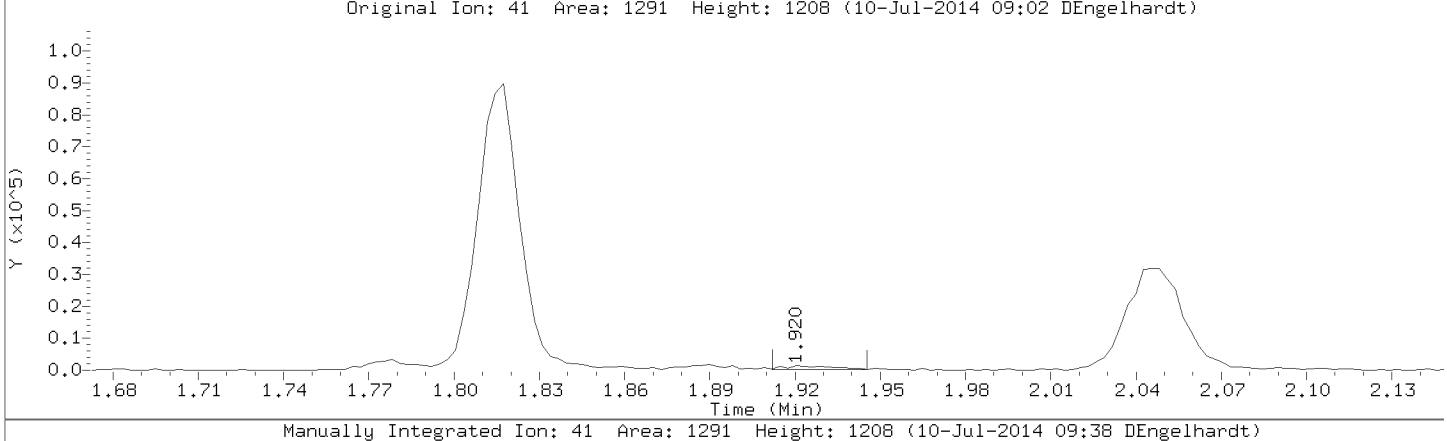
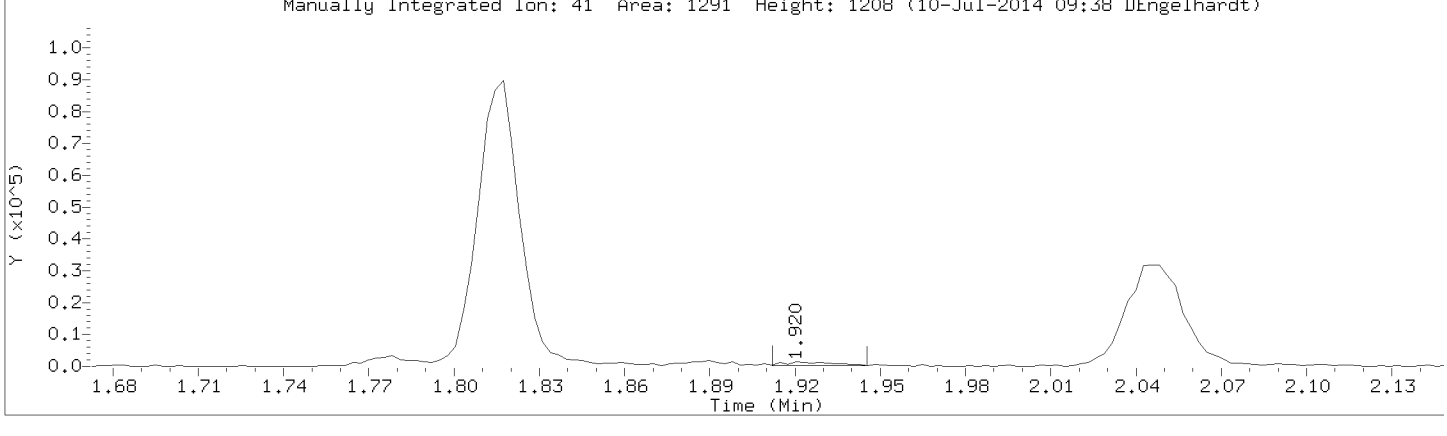
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

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









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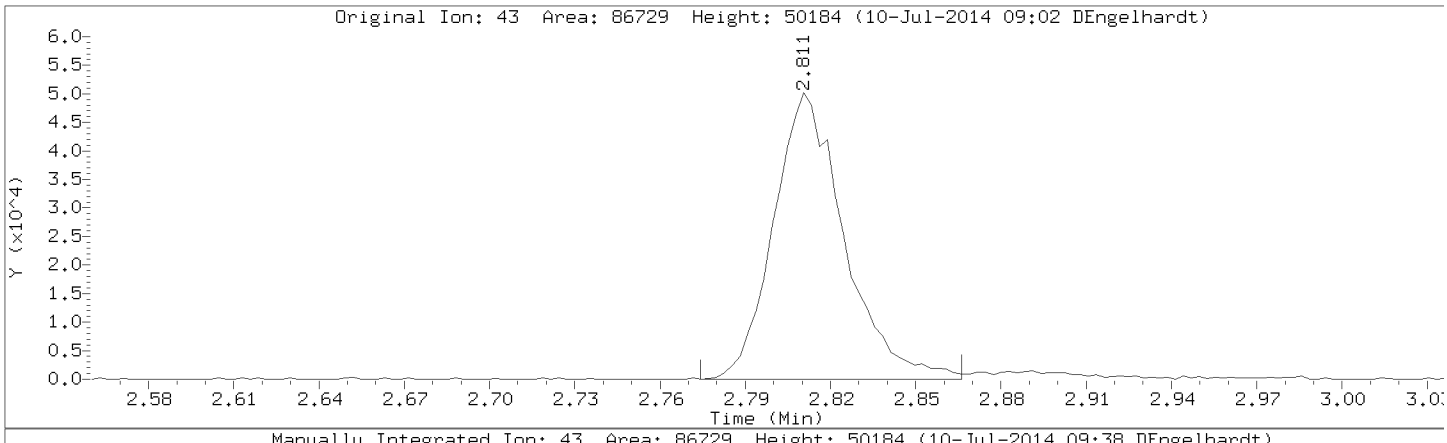
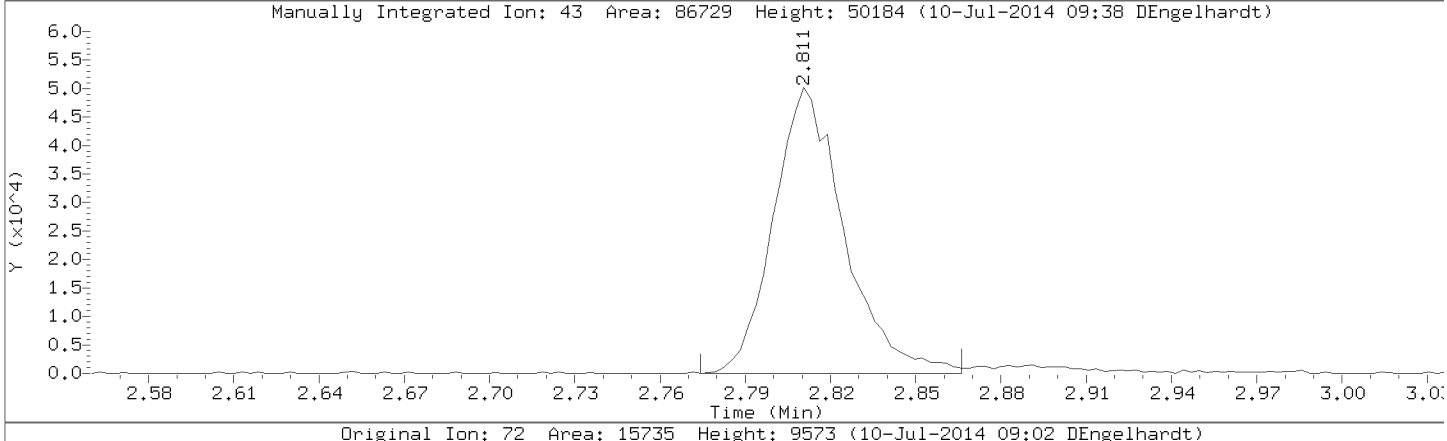
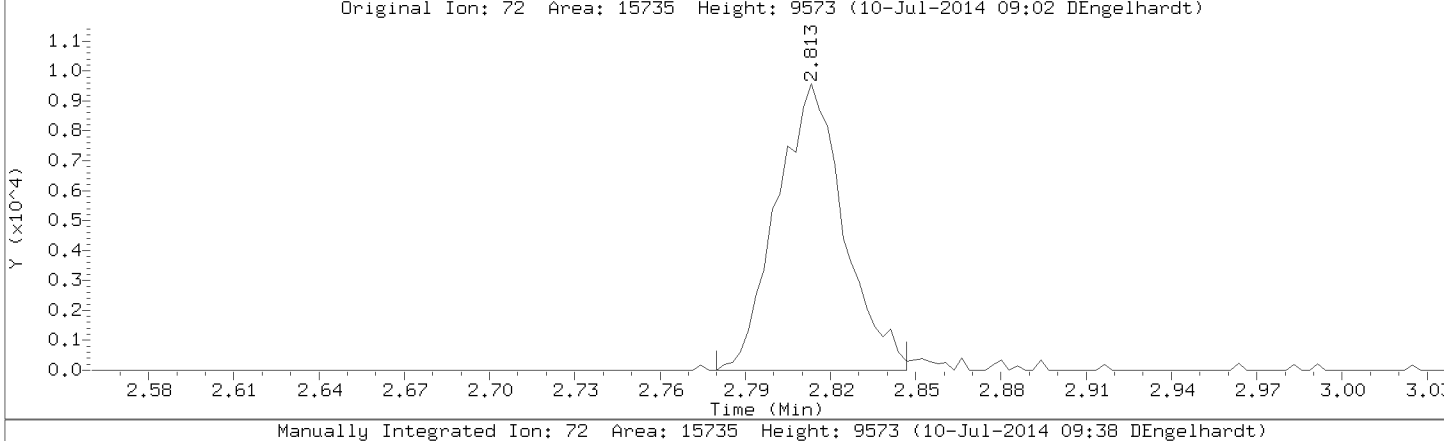
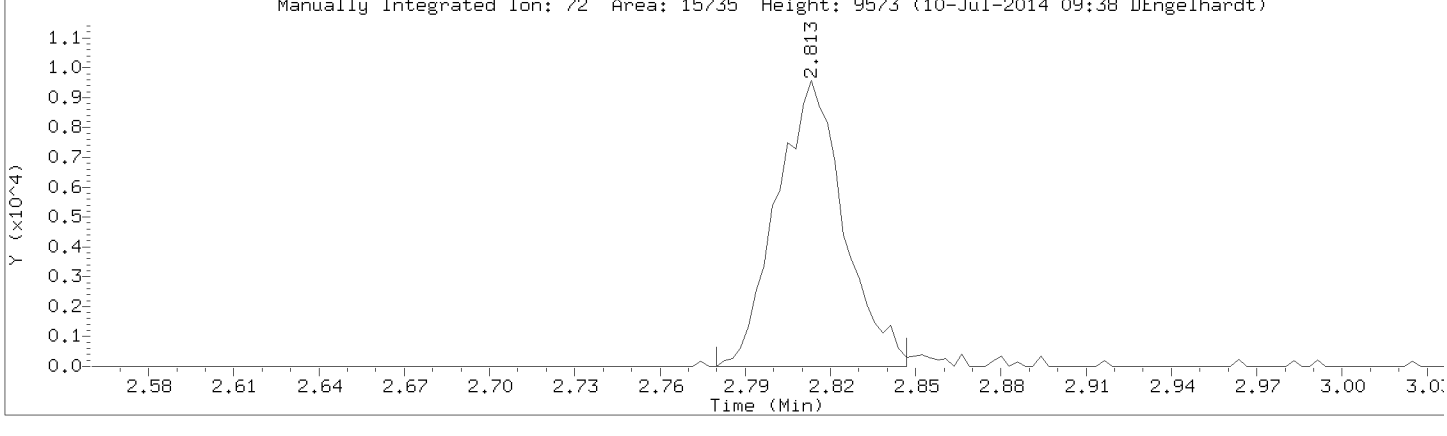
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

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









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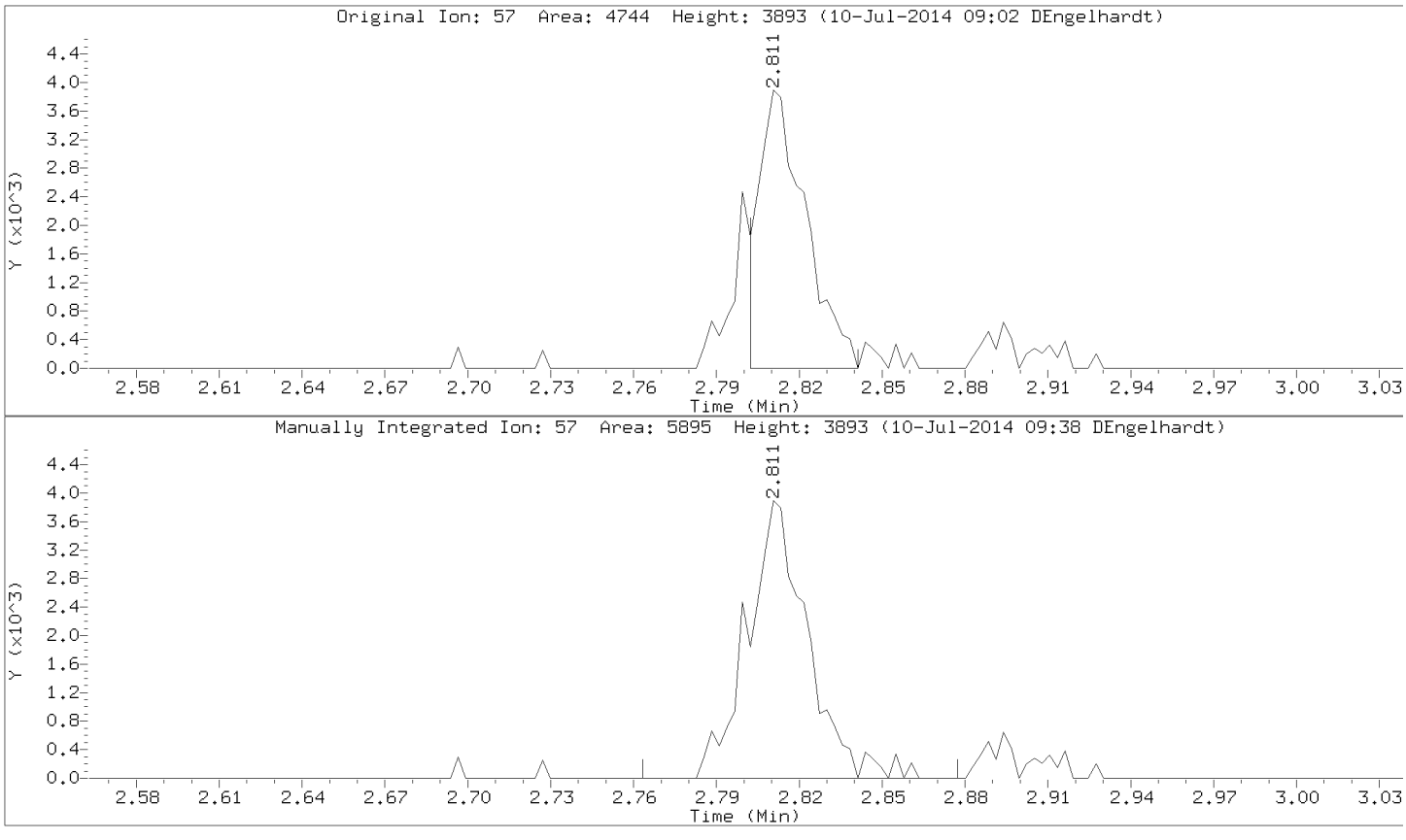
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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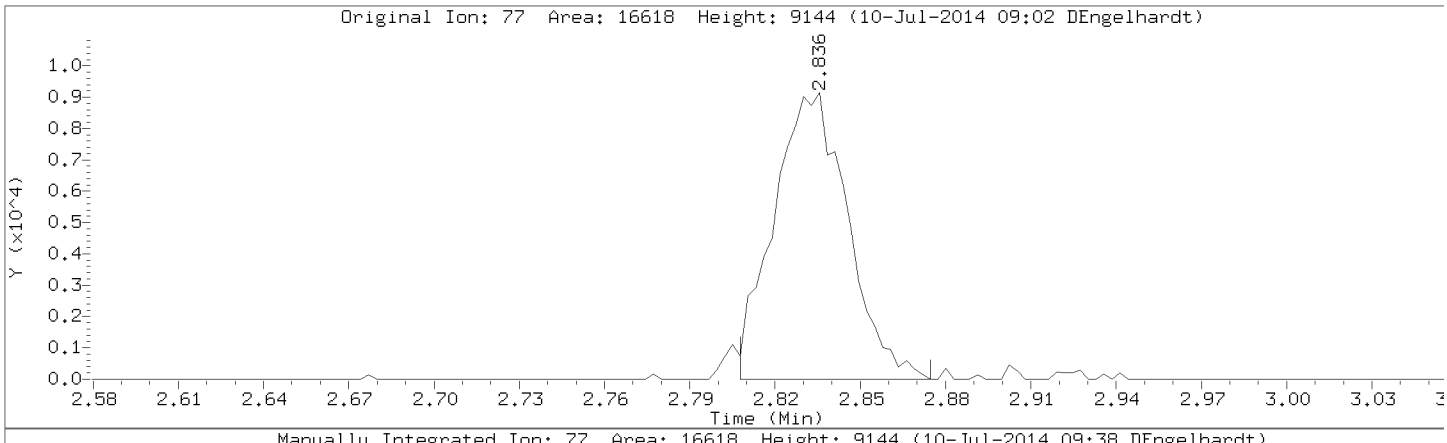
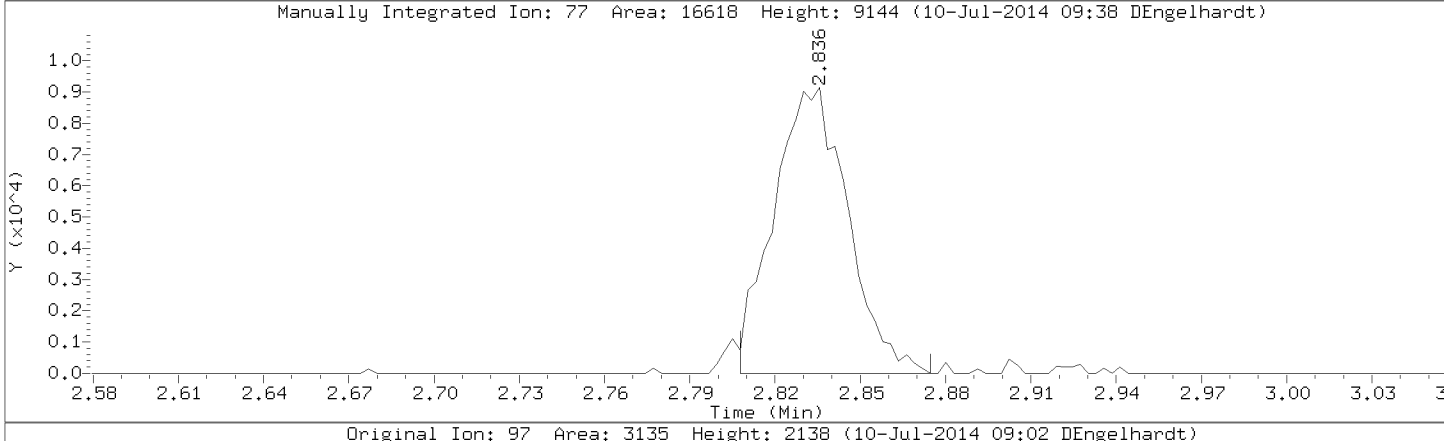
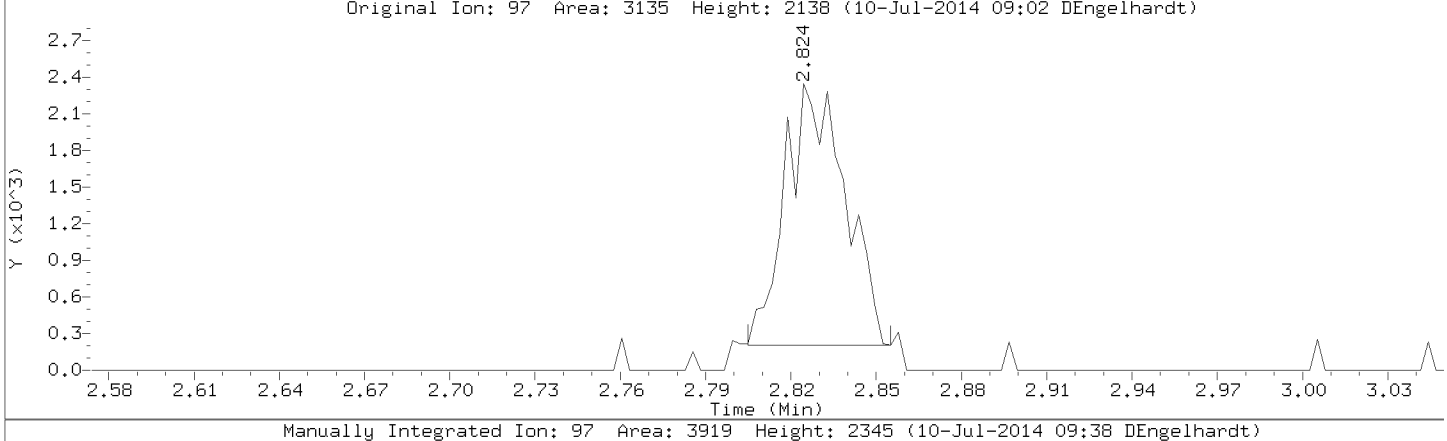
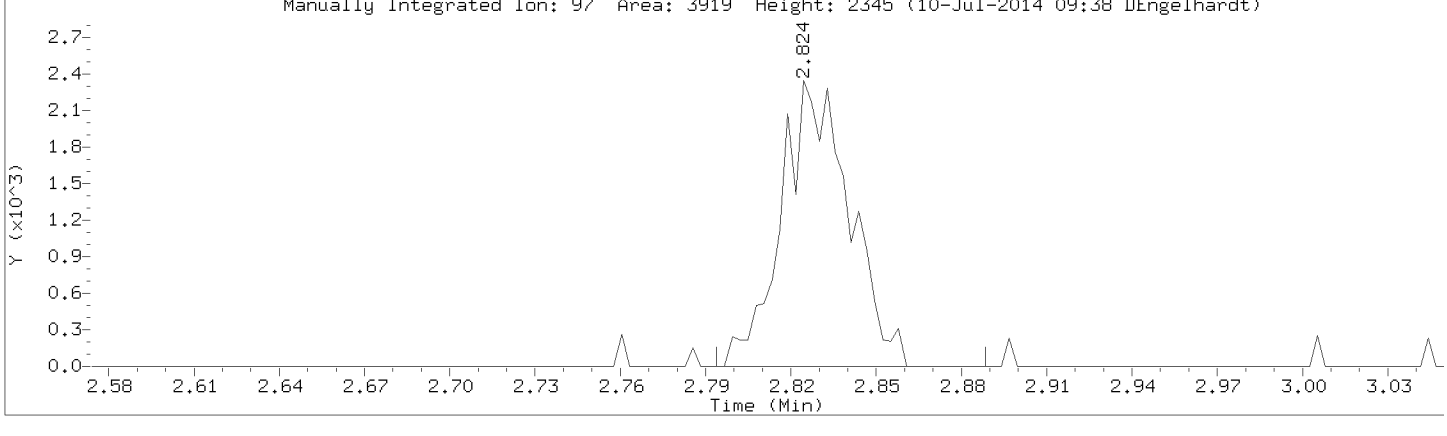
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7









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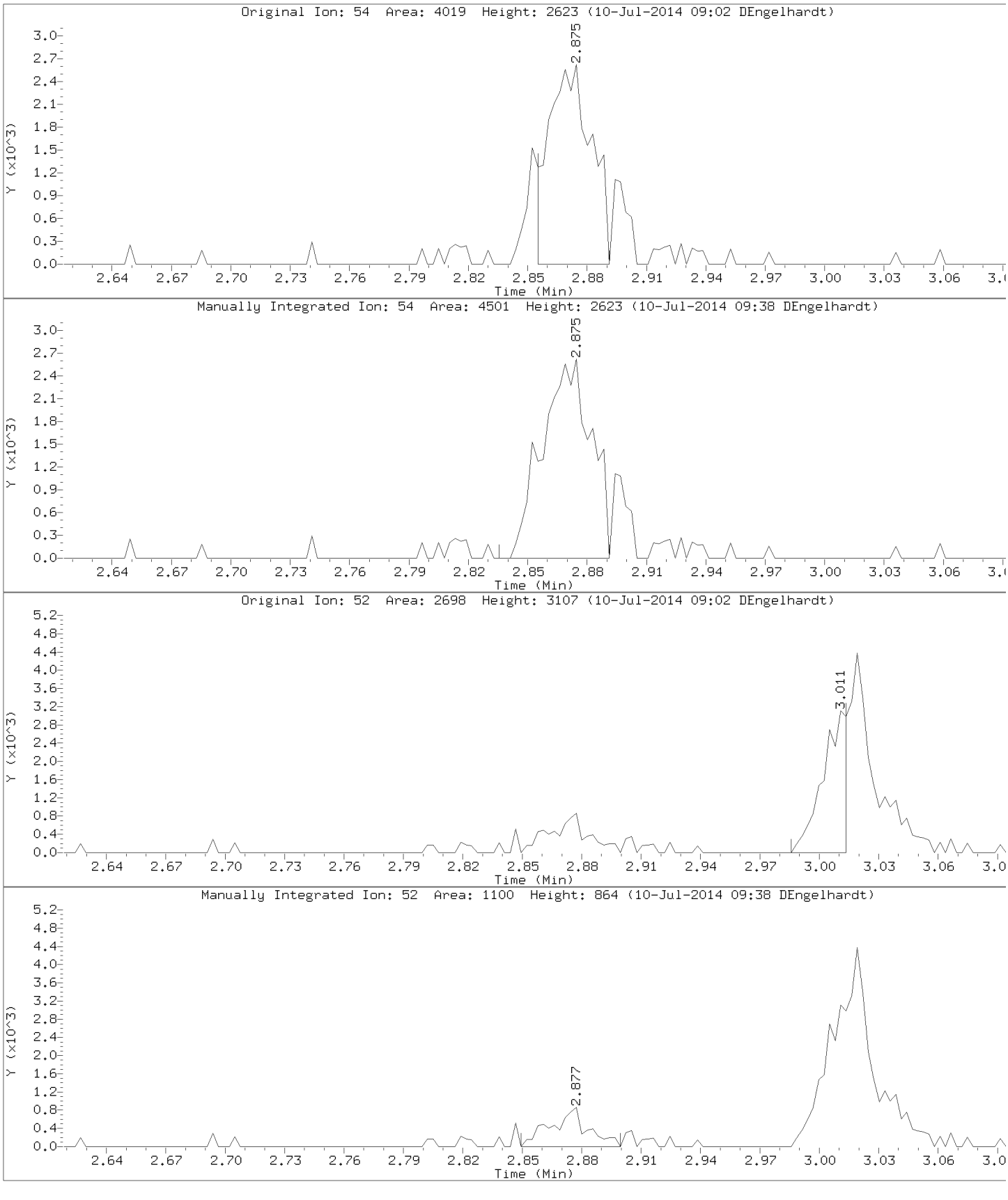
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Propionitrile
CAS Number: 107-12-0



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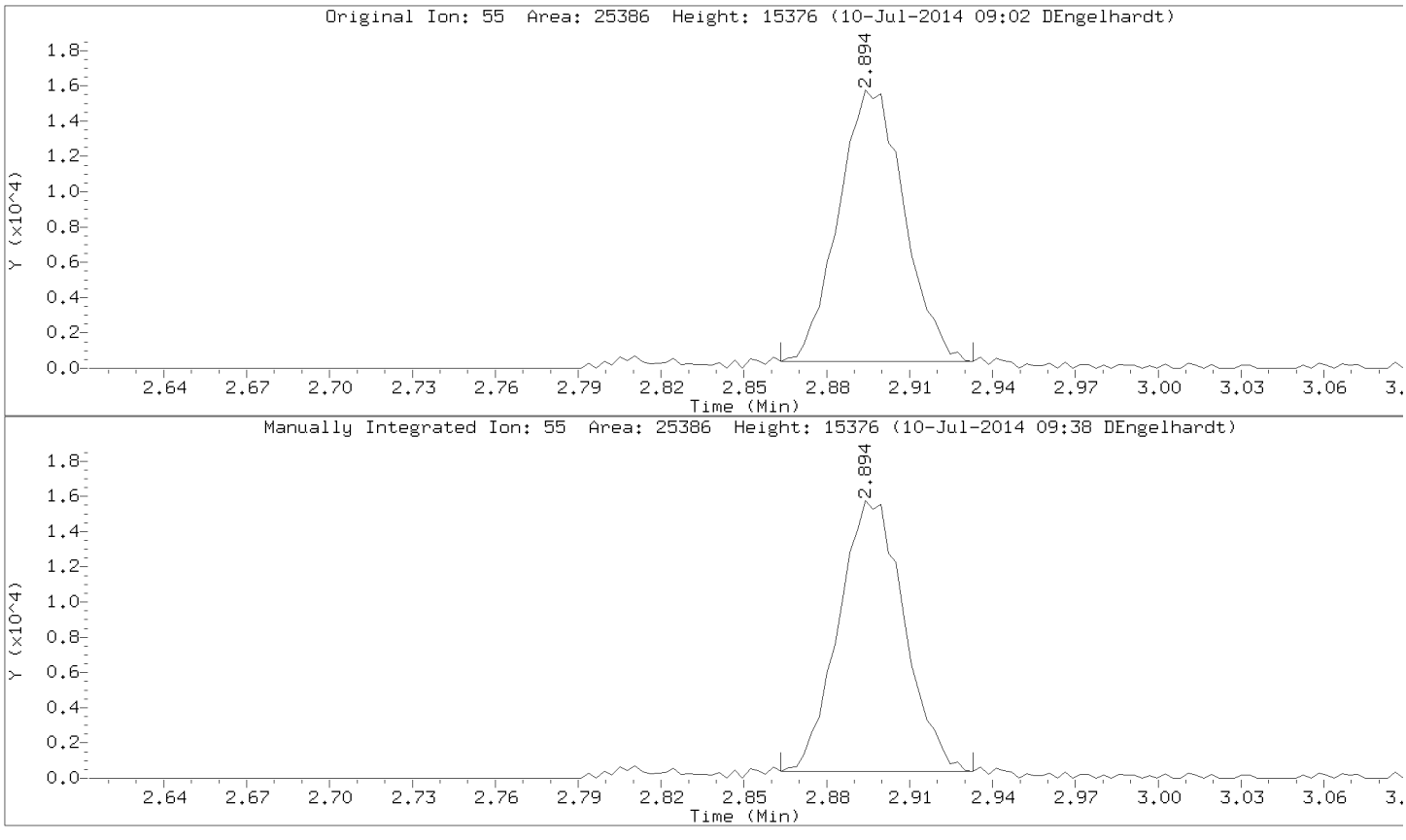
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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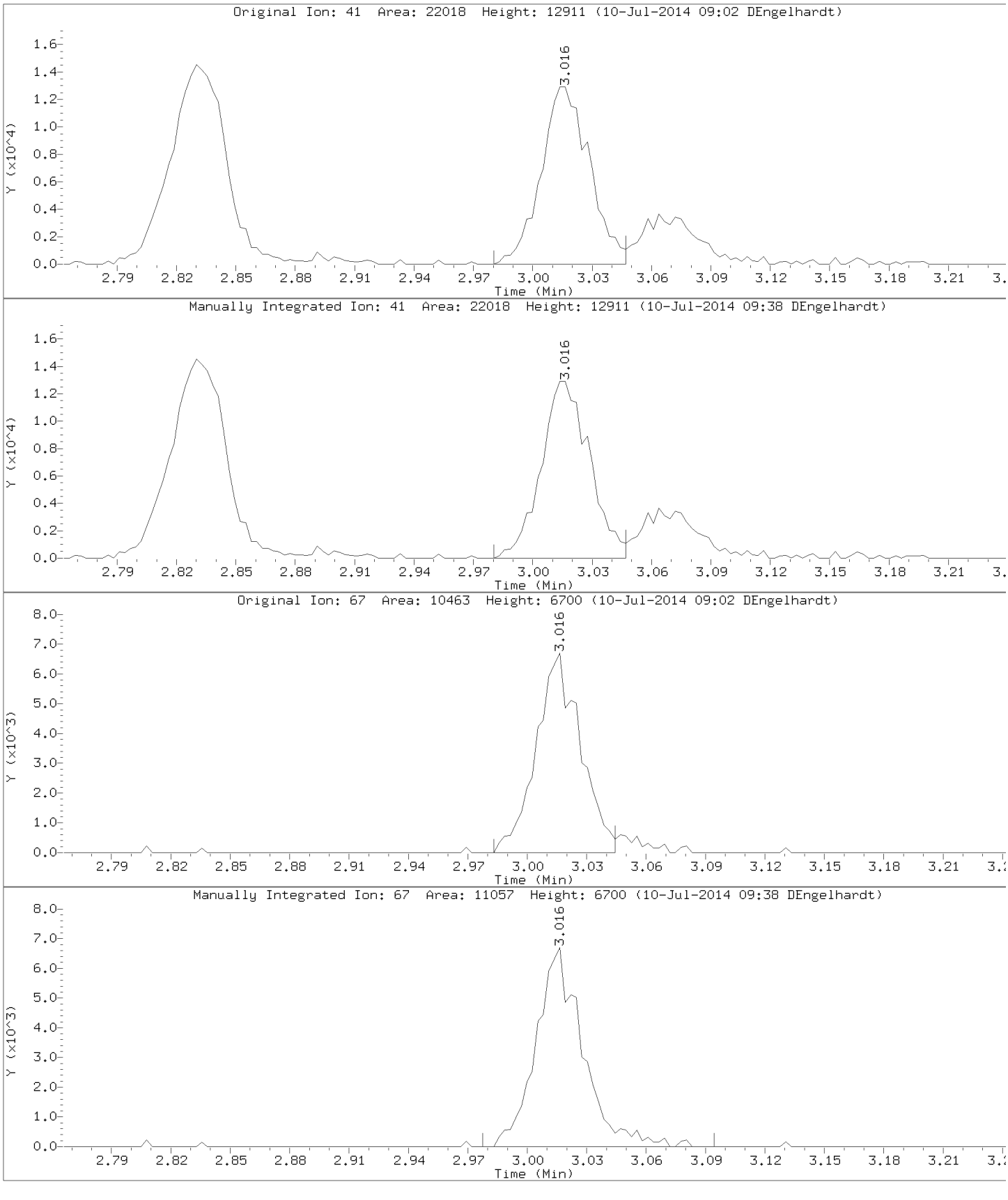
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Methacrylonitrile
CAS Number: 126-98-7



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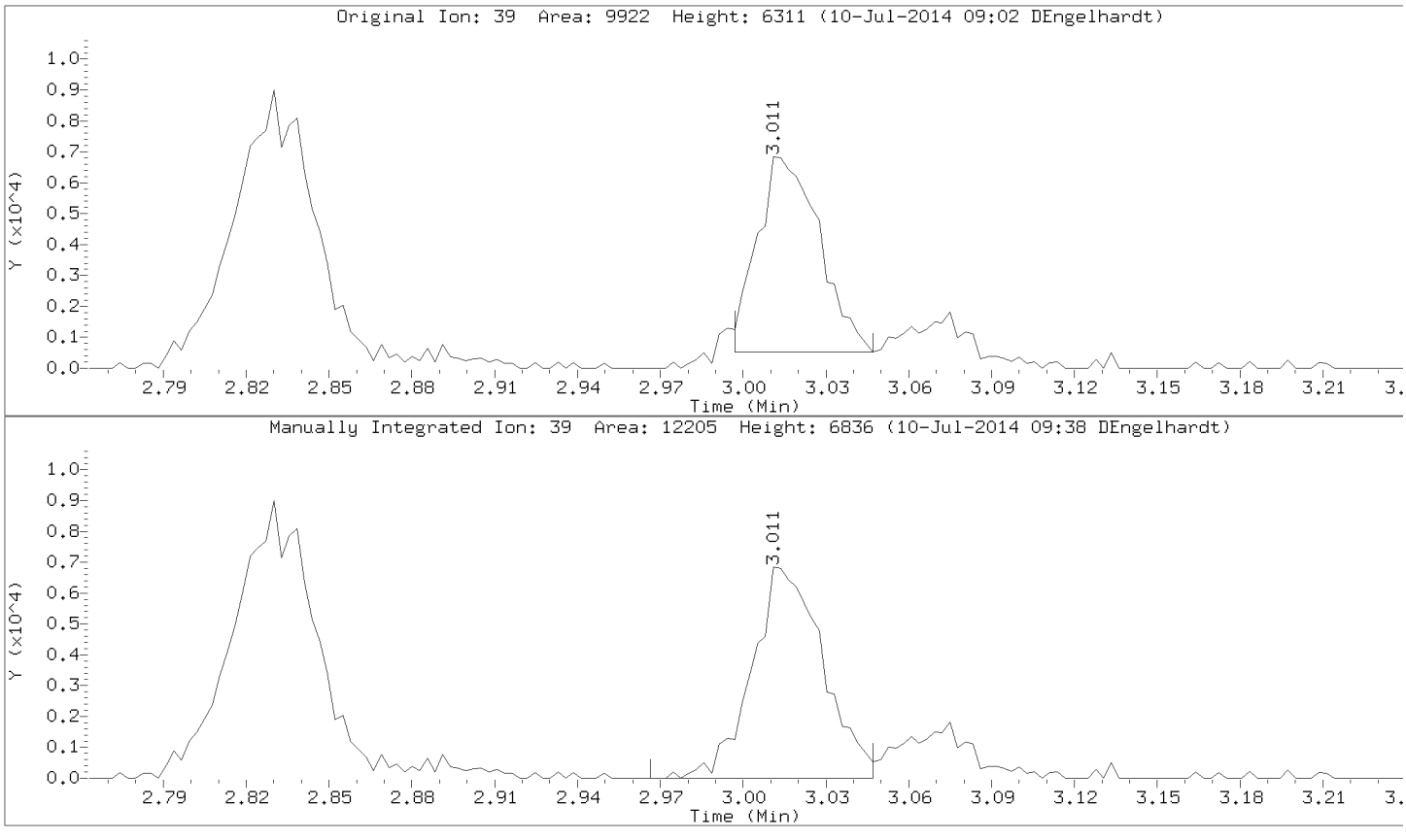
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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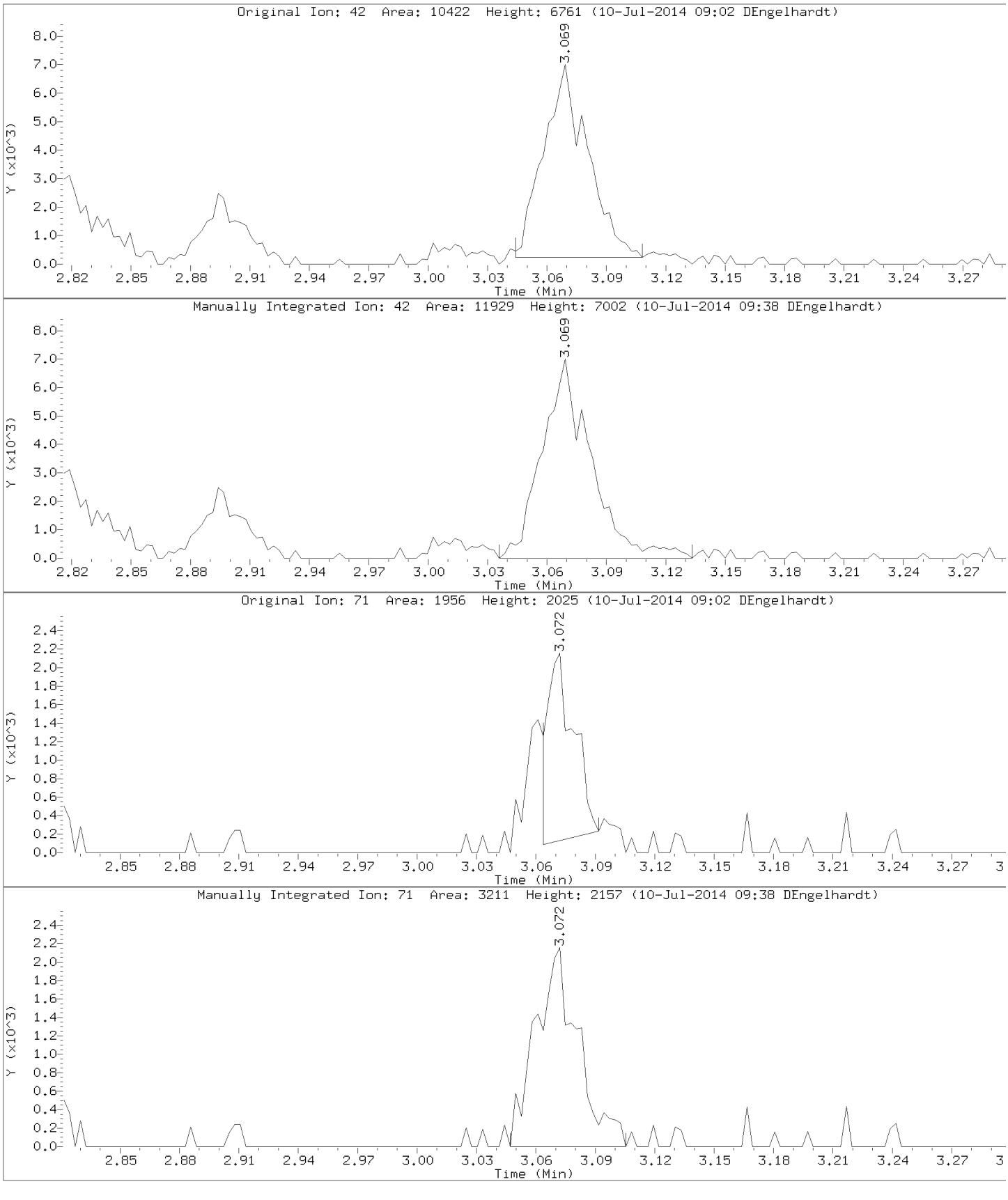
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Tetrahydrofuran
CAS Number:



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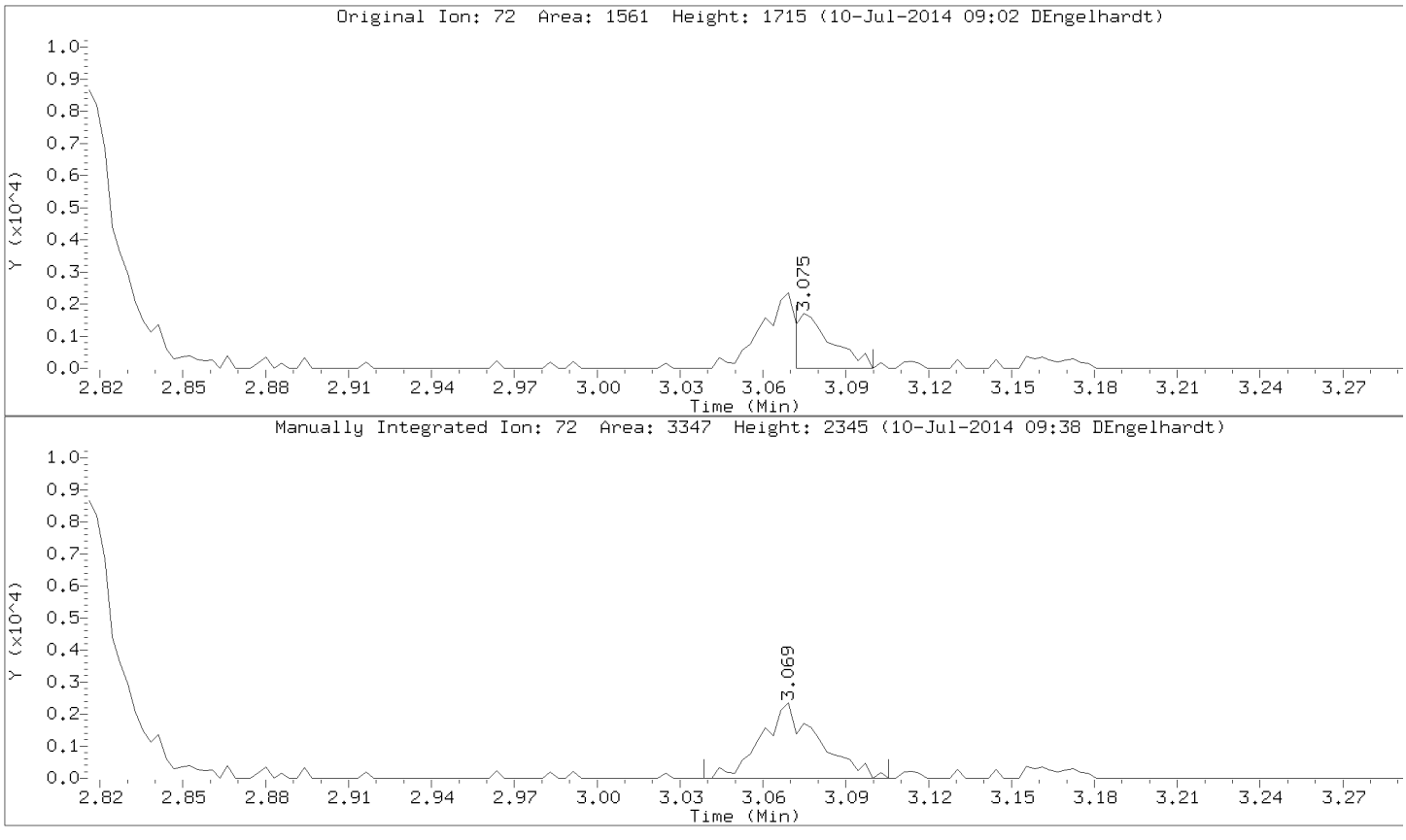
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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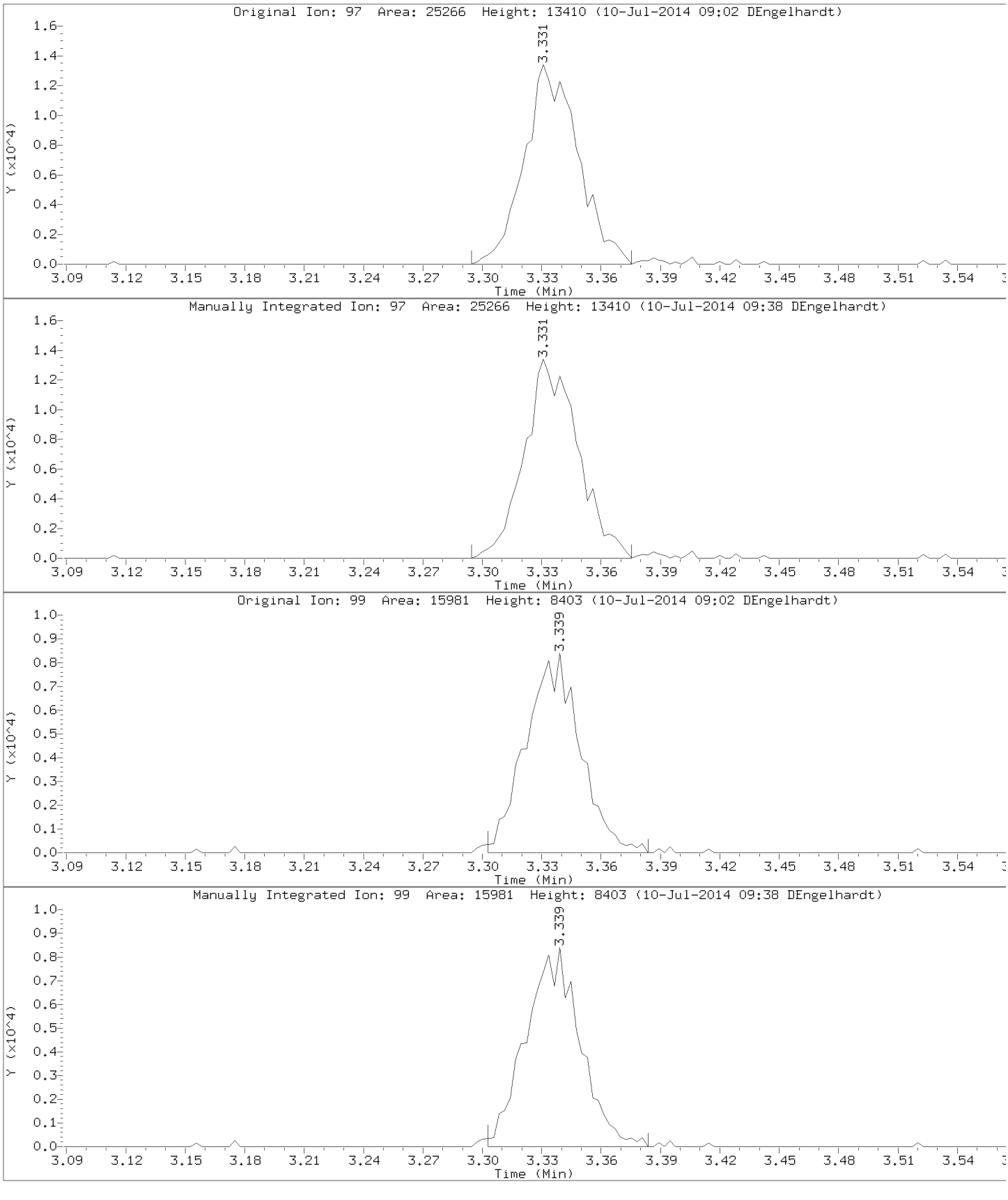
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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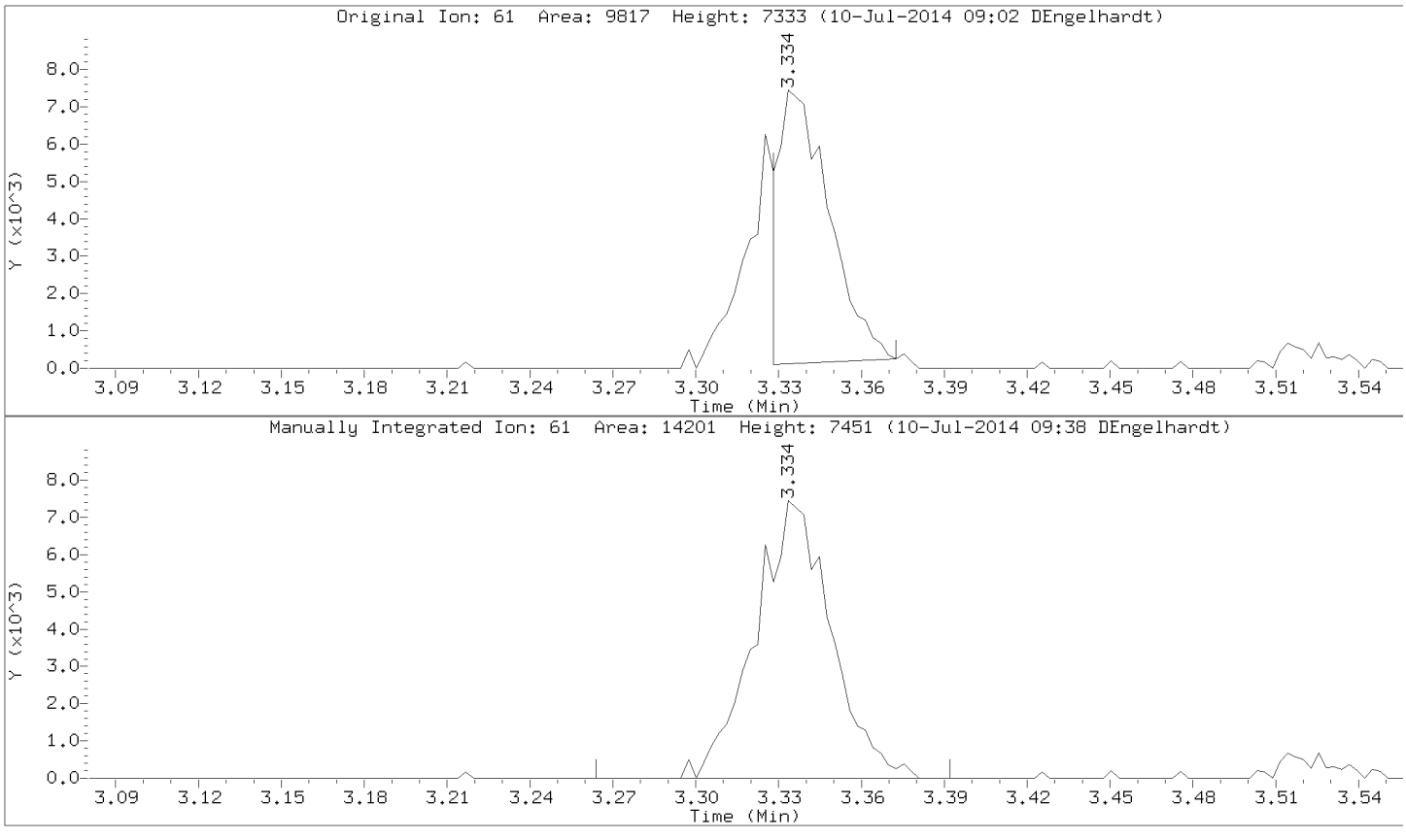
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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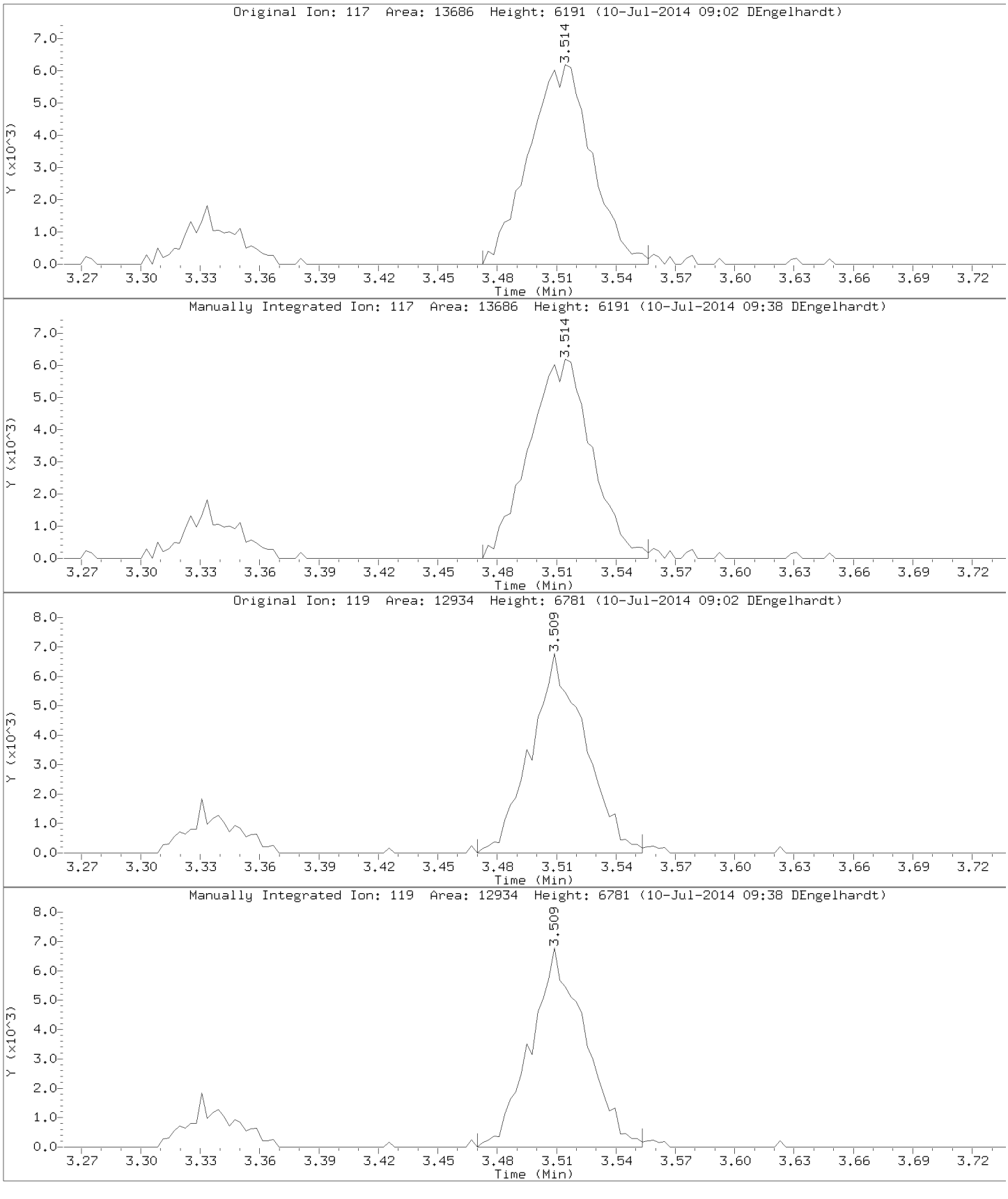
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5



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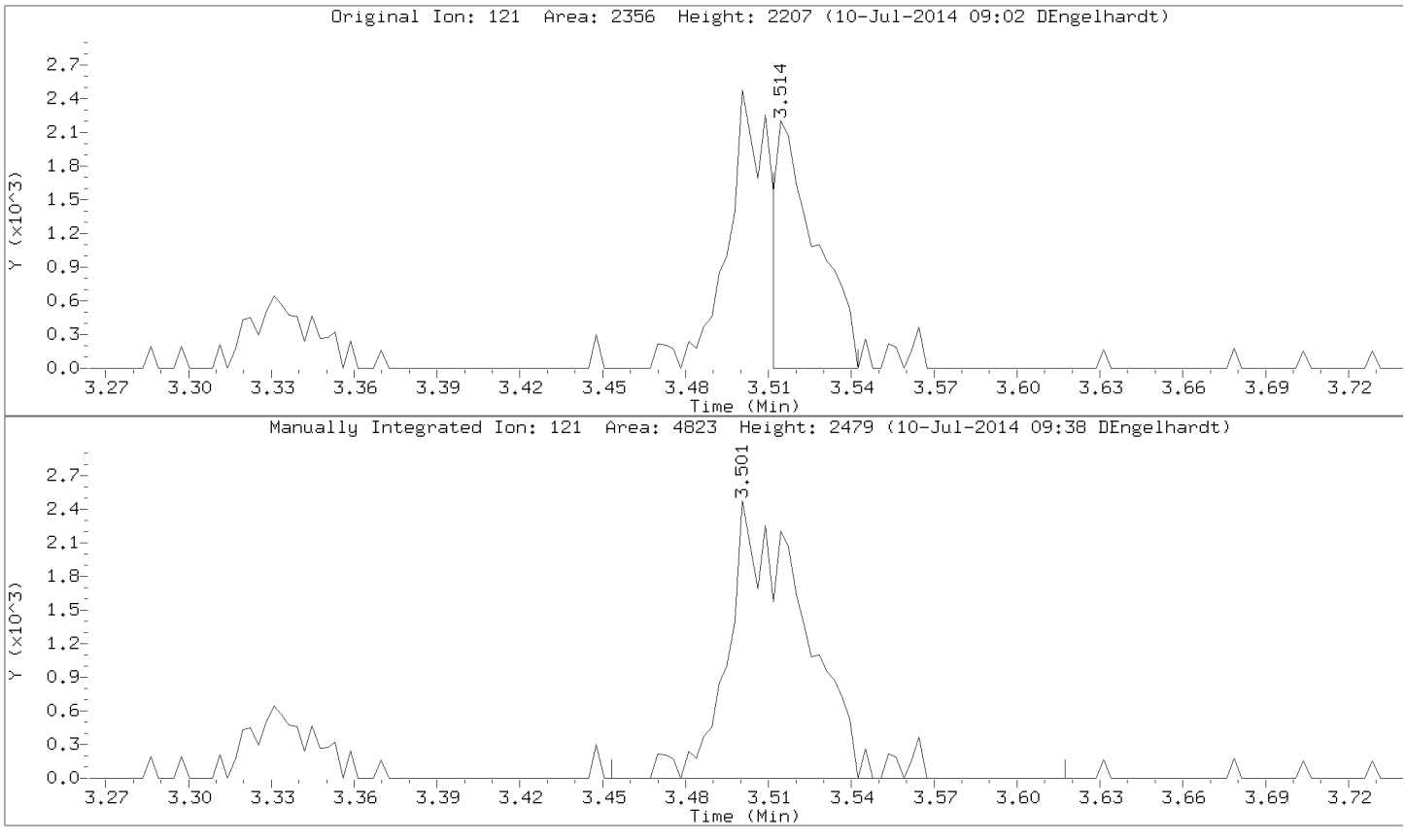
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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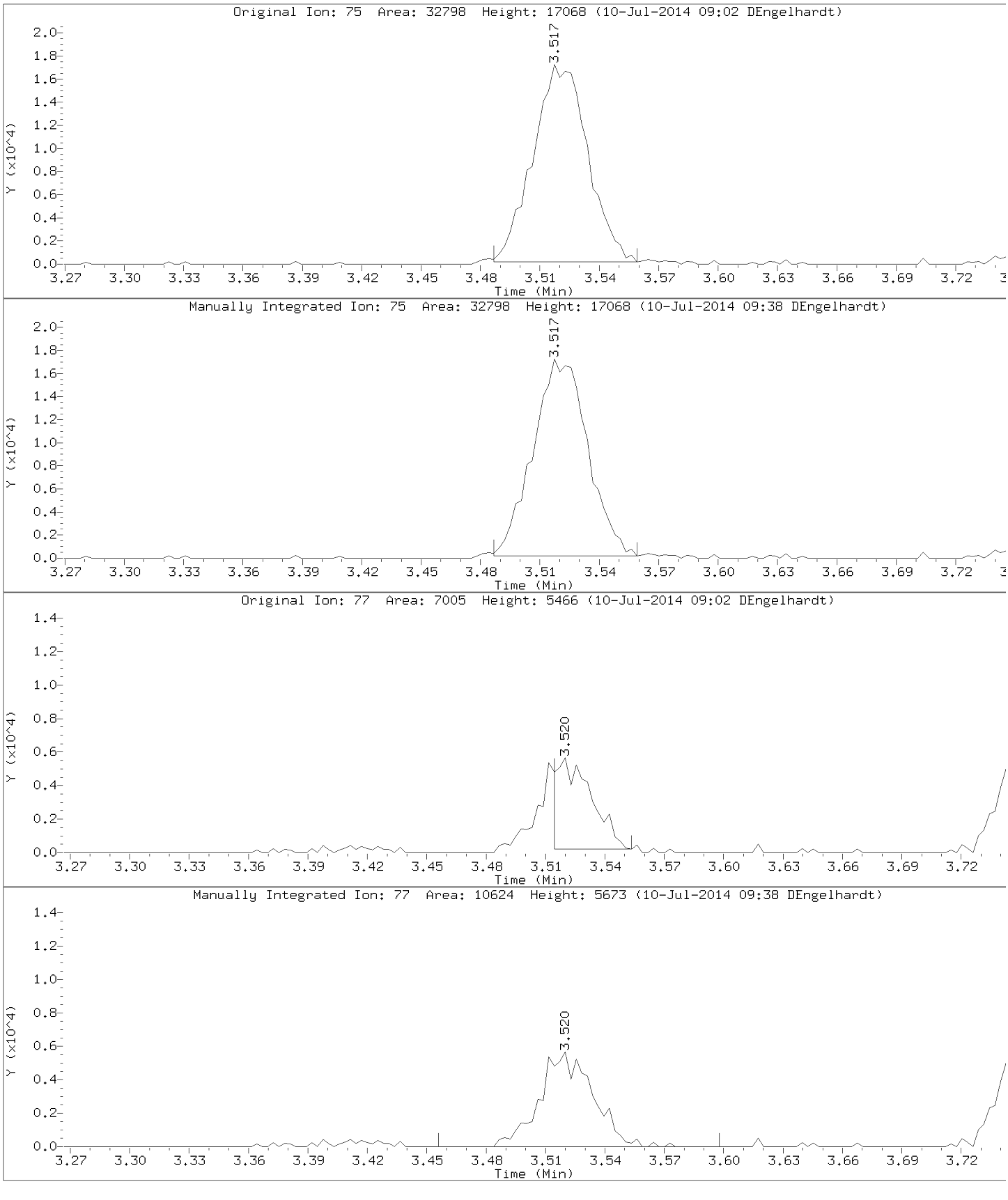
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 1,1-Dichloropropene
CAS Number: 563-58-6



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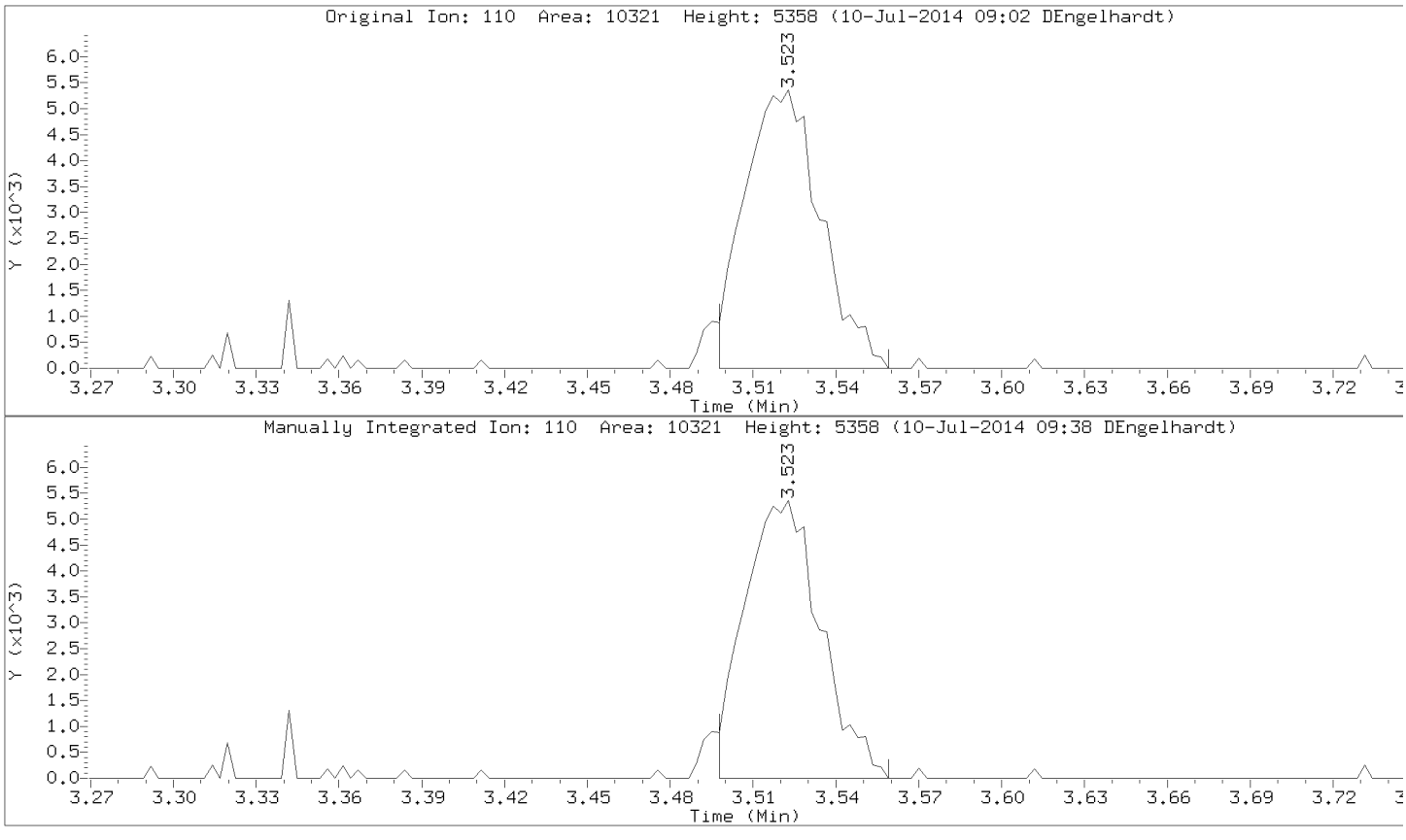
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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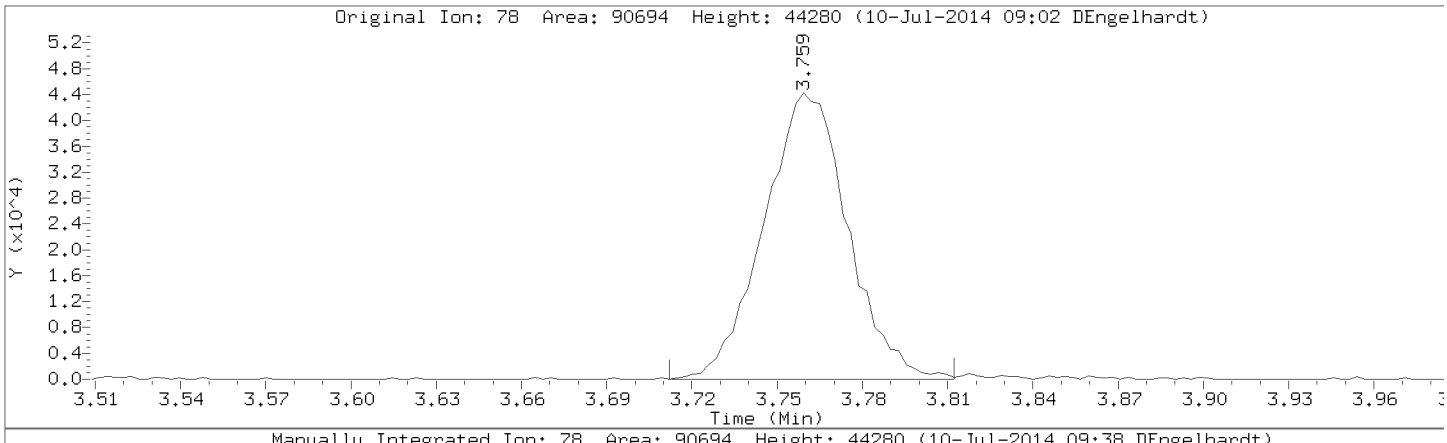
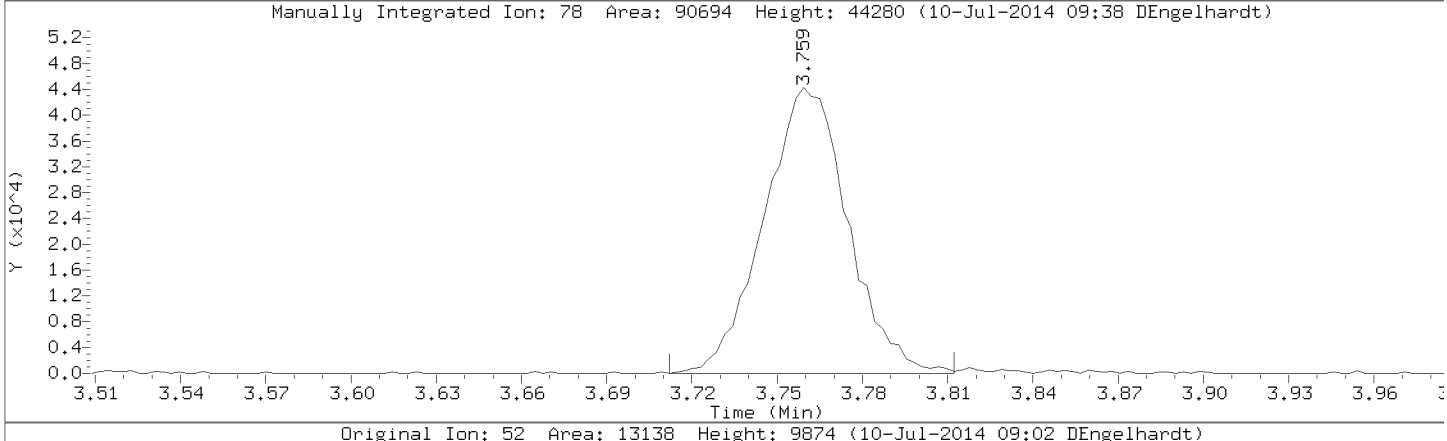
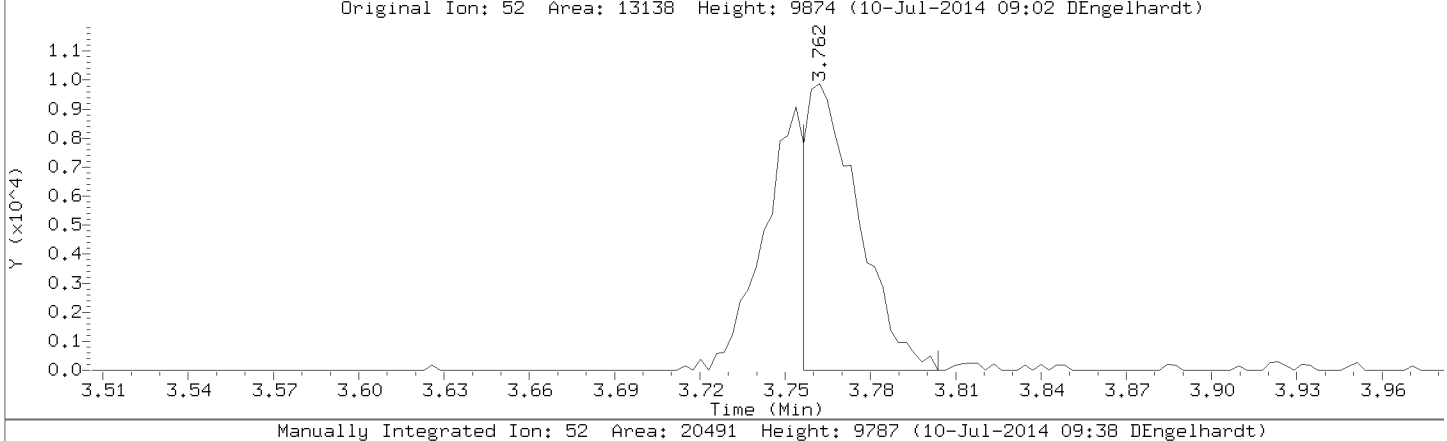
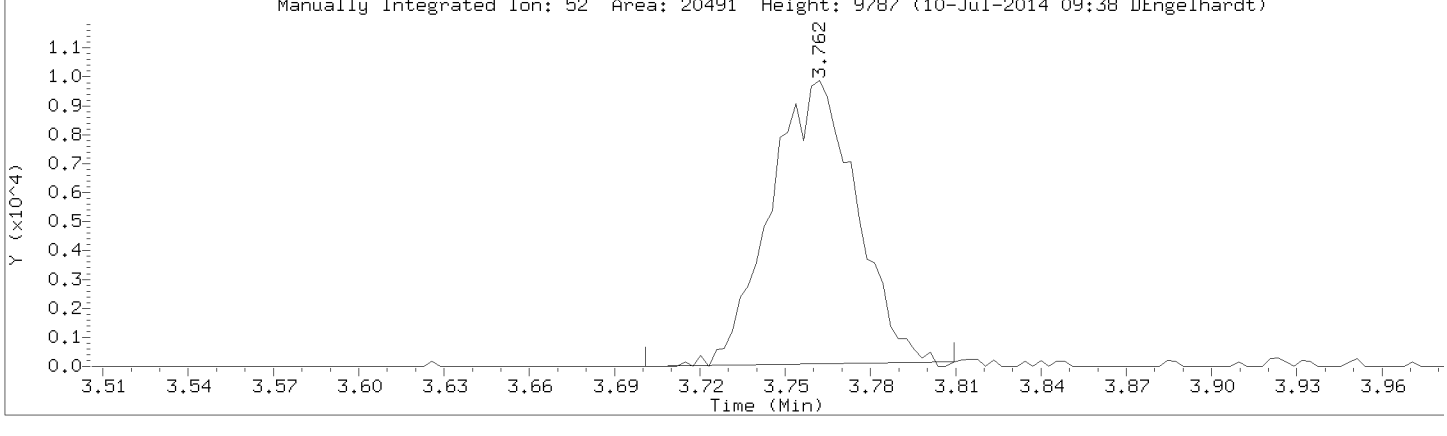
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Benzene
CAS Number: 71-43-2









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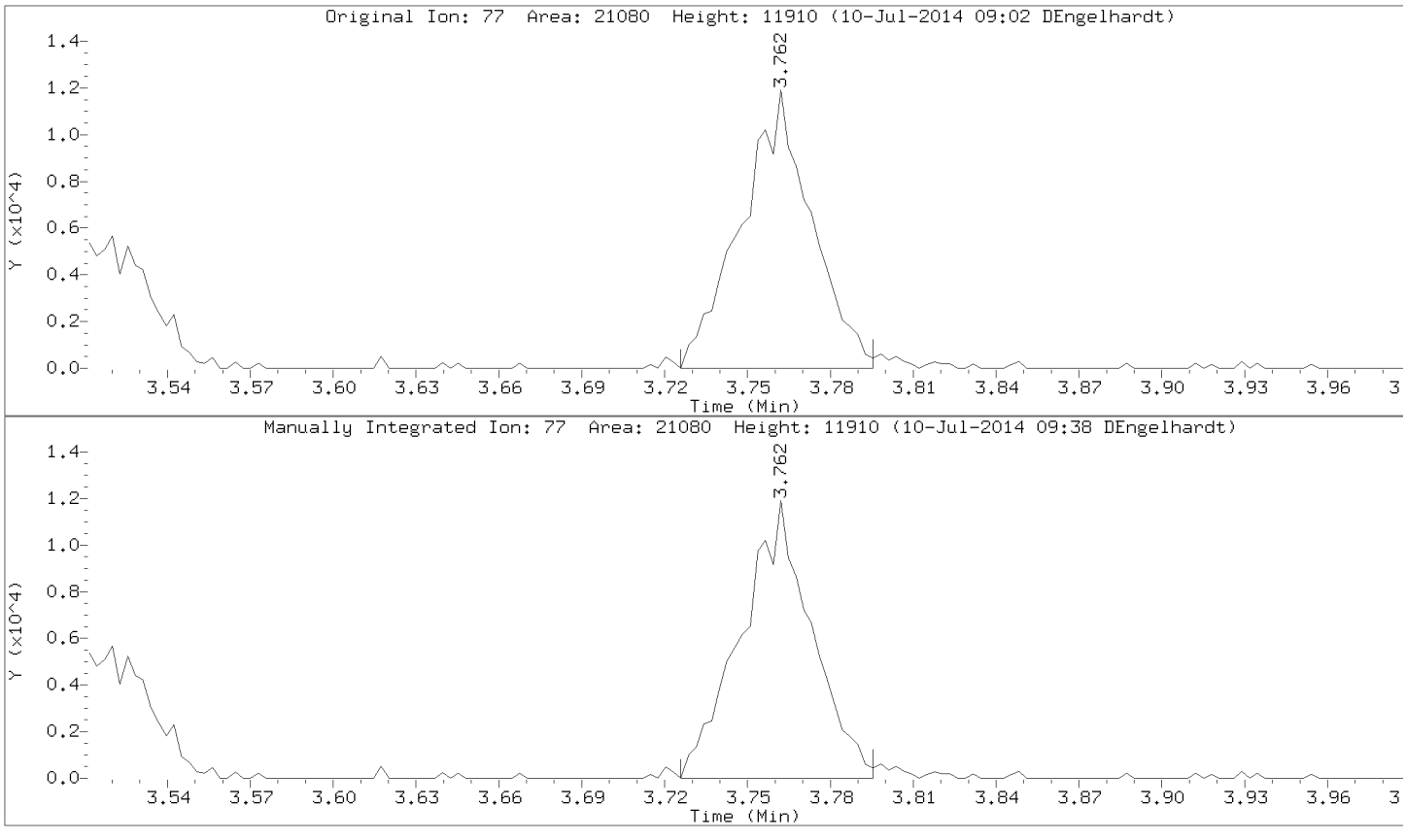
Lab Sample ID: 8260-CAL5,72091:0



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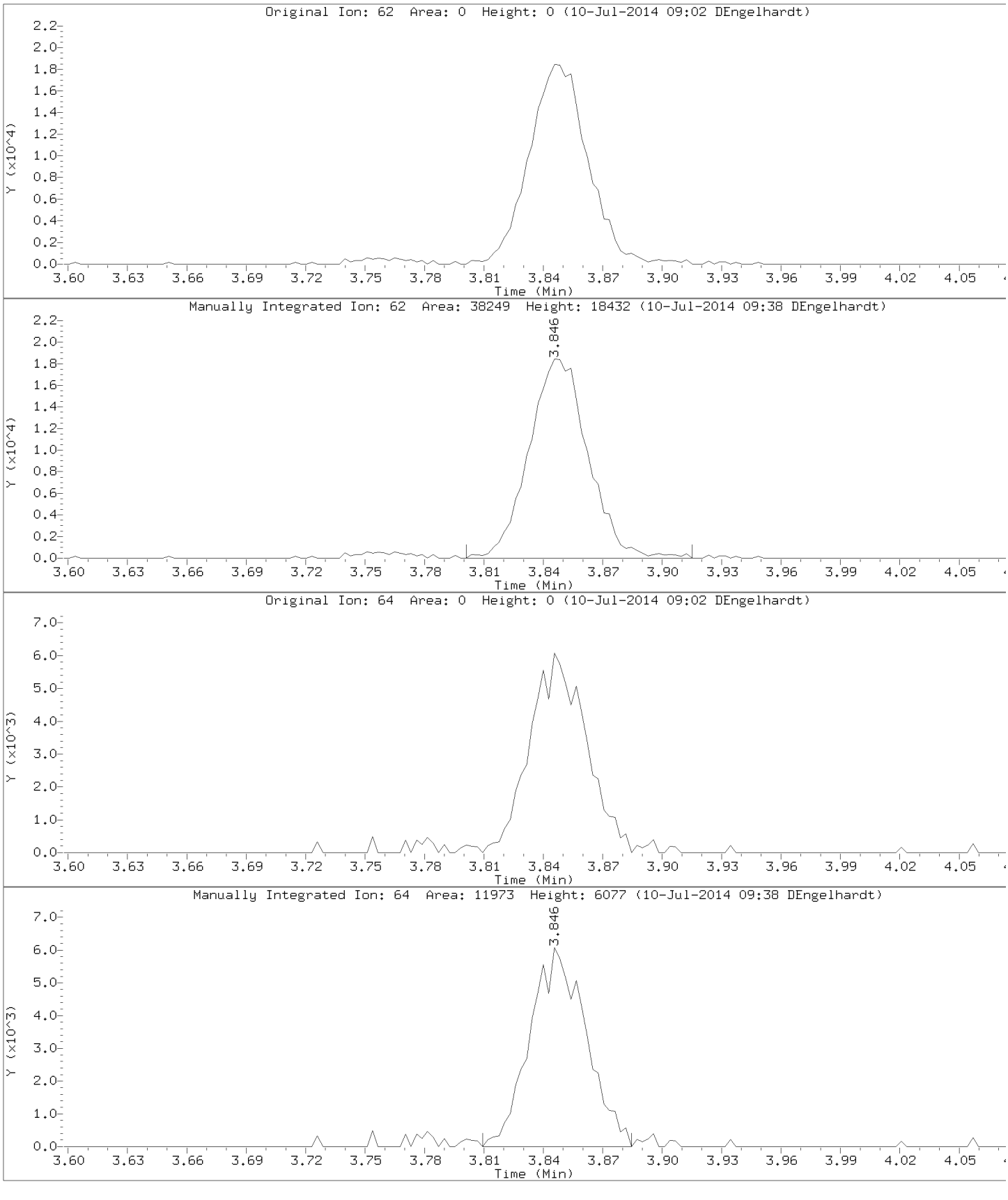
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2



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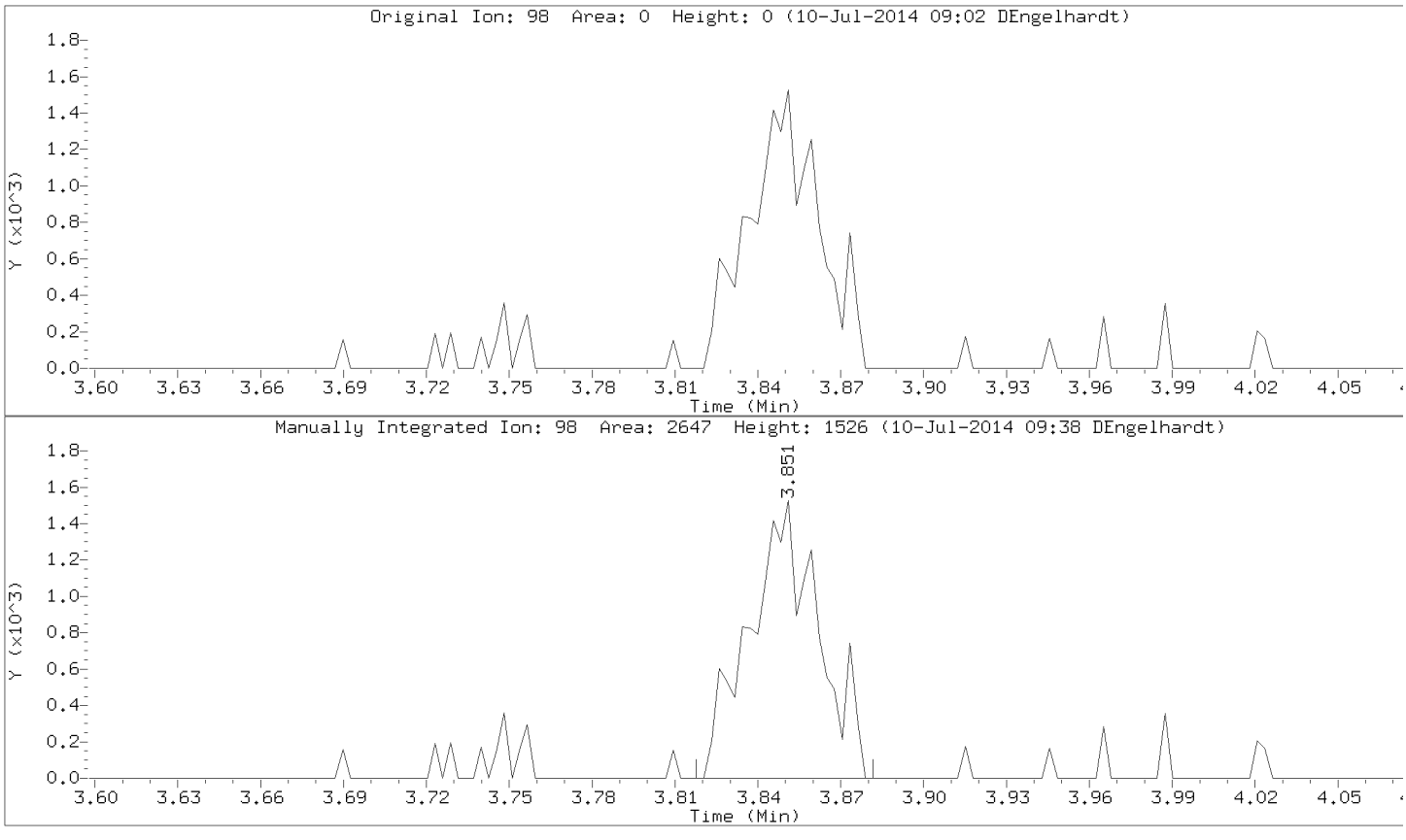
Lab Sample ID: 8260-CAL5,72091:0



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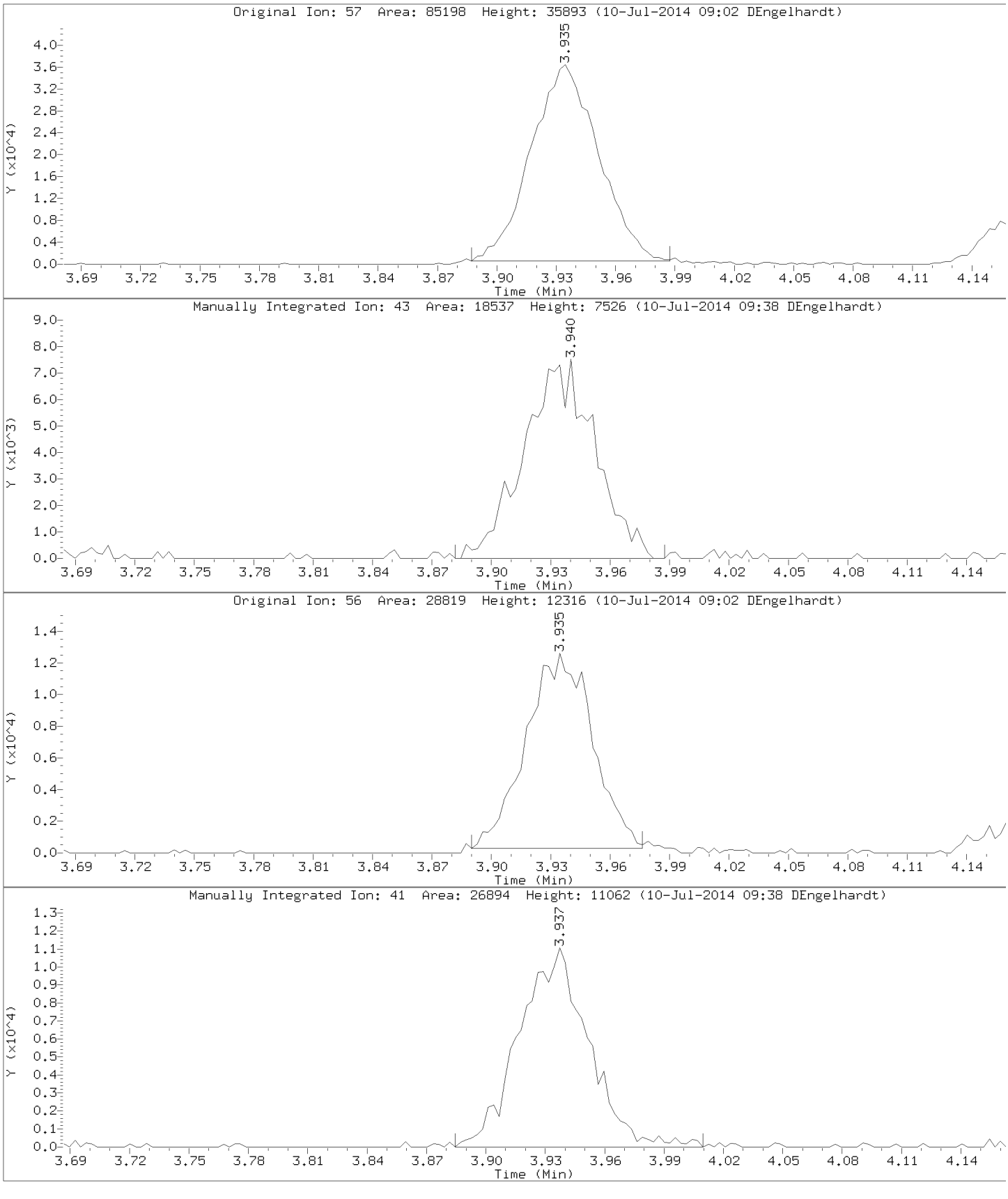
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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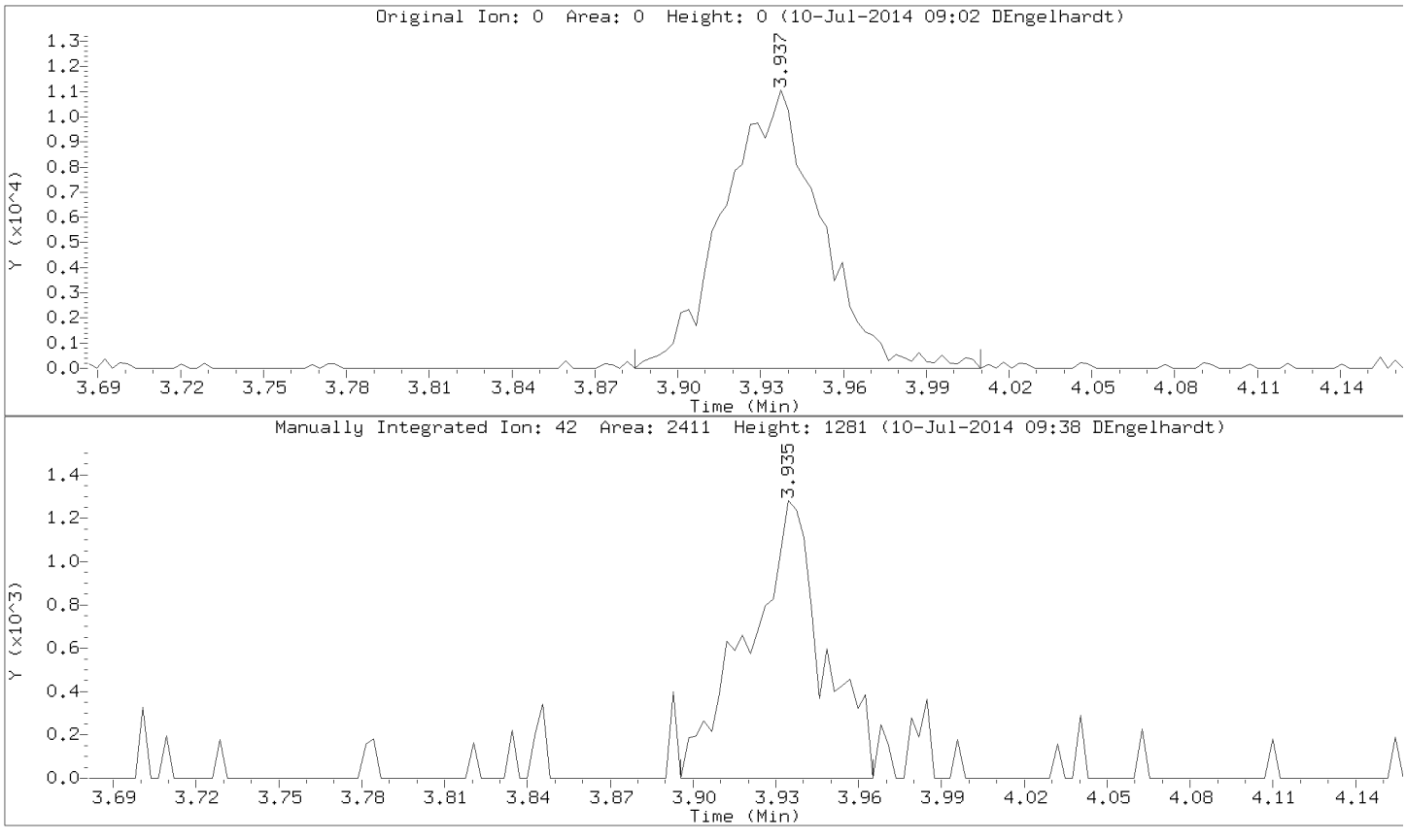

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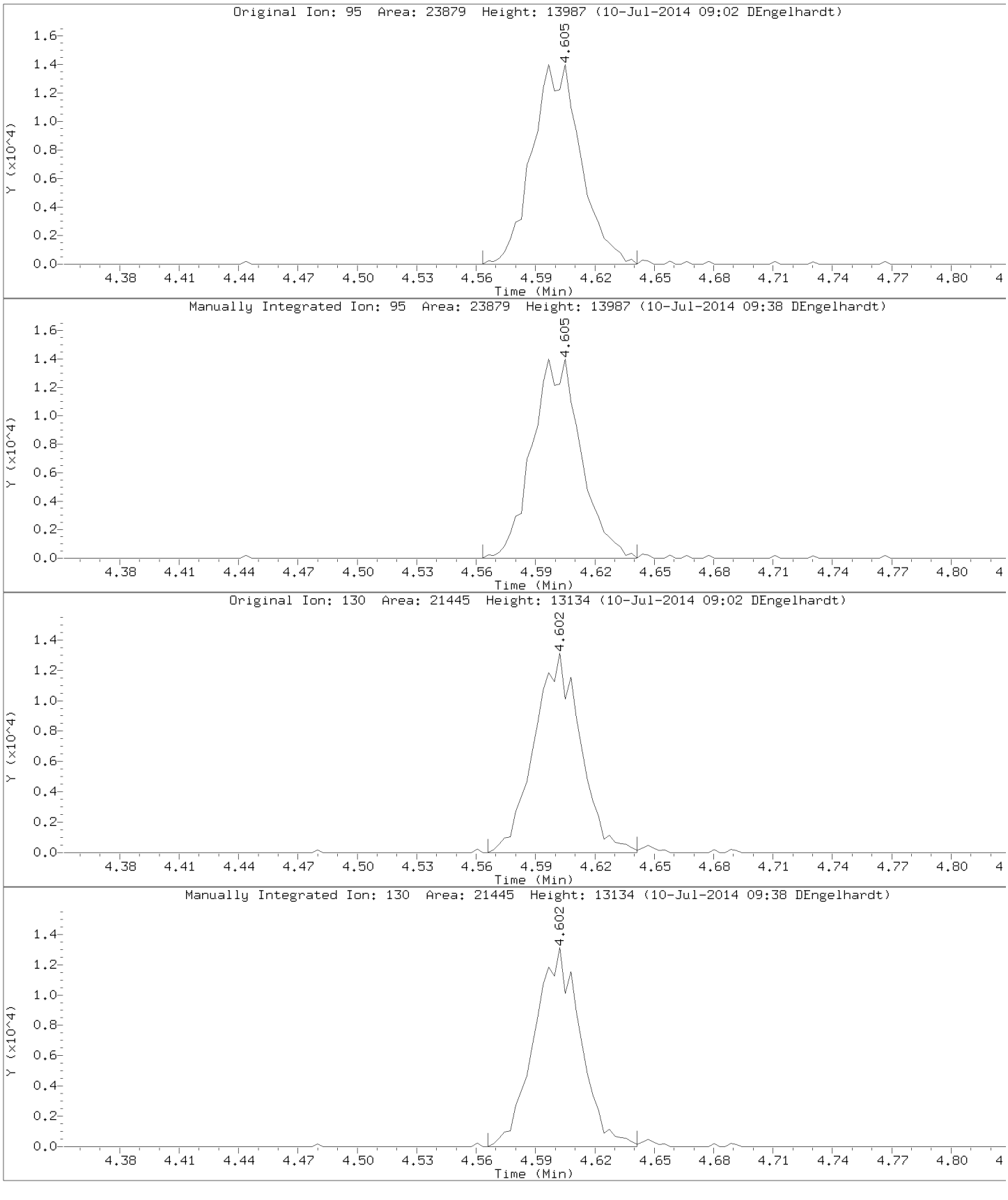
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Trichloroethene
CAS Number: 79-01-6



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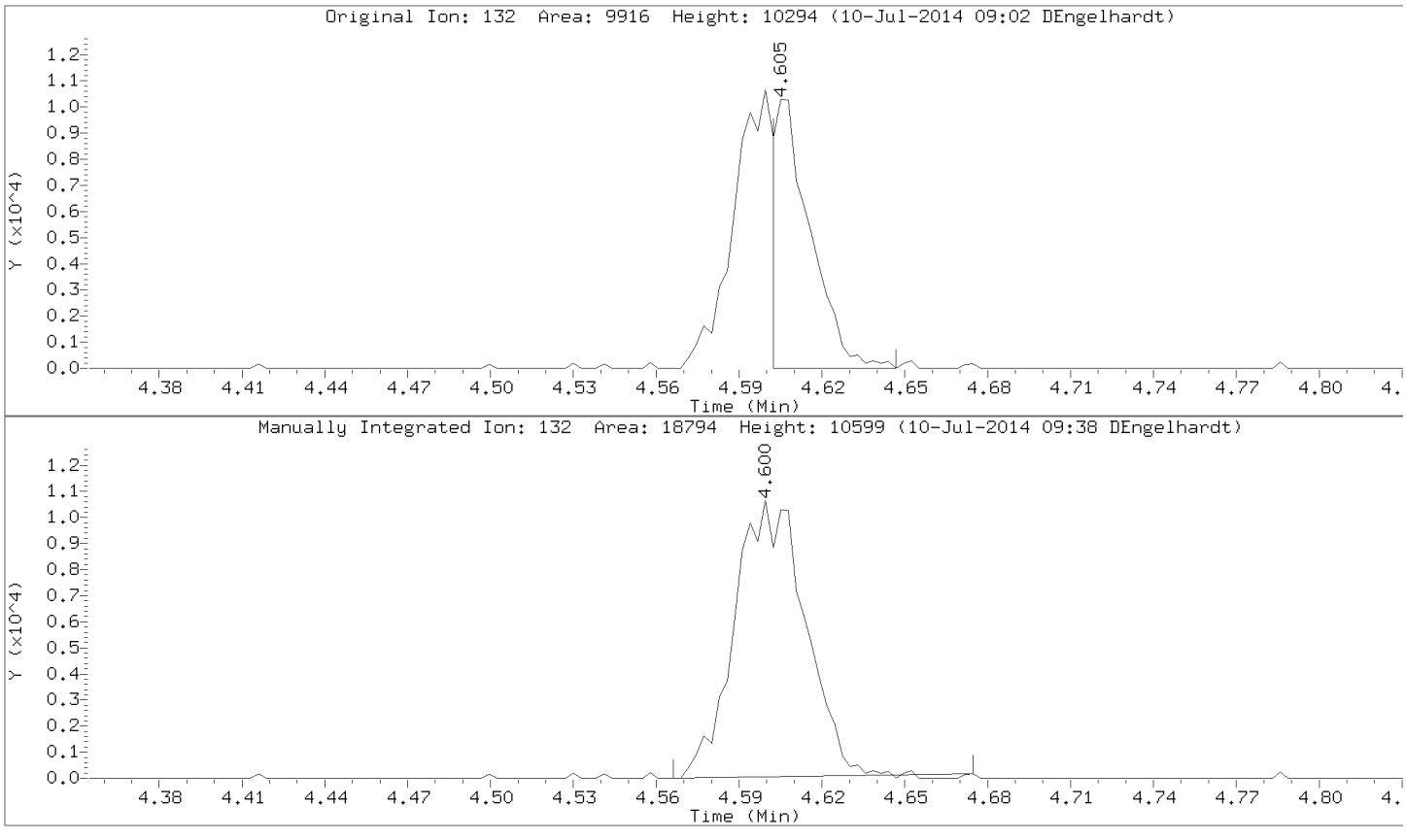
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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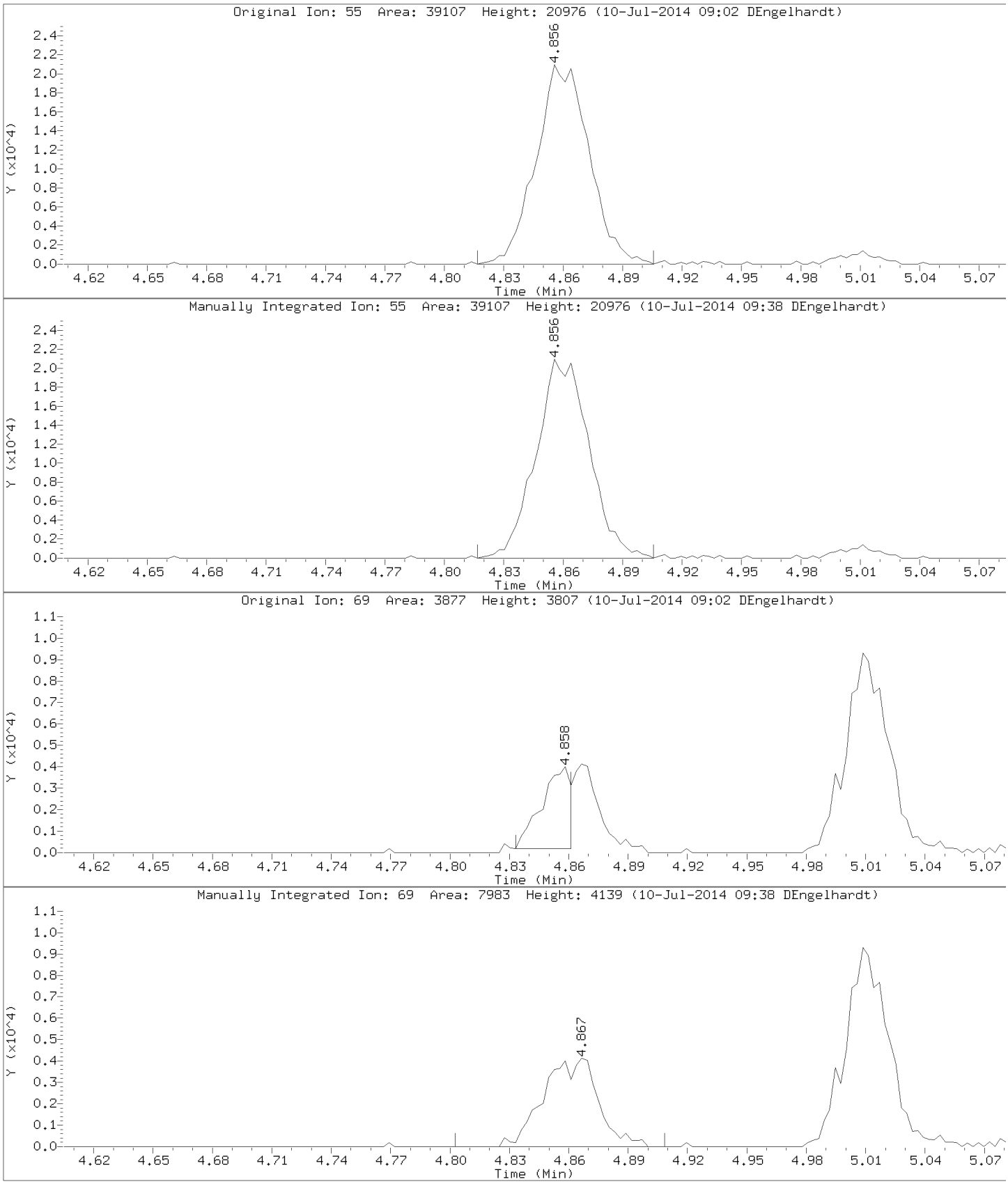
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Methylcyclohexane
CAS Number: 108-87-2



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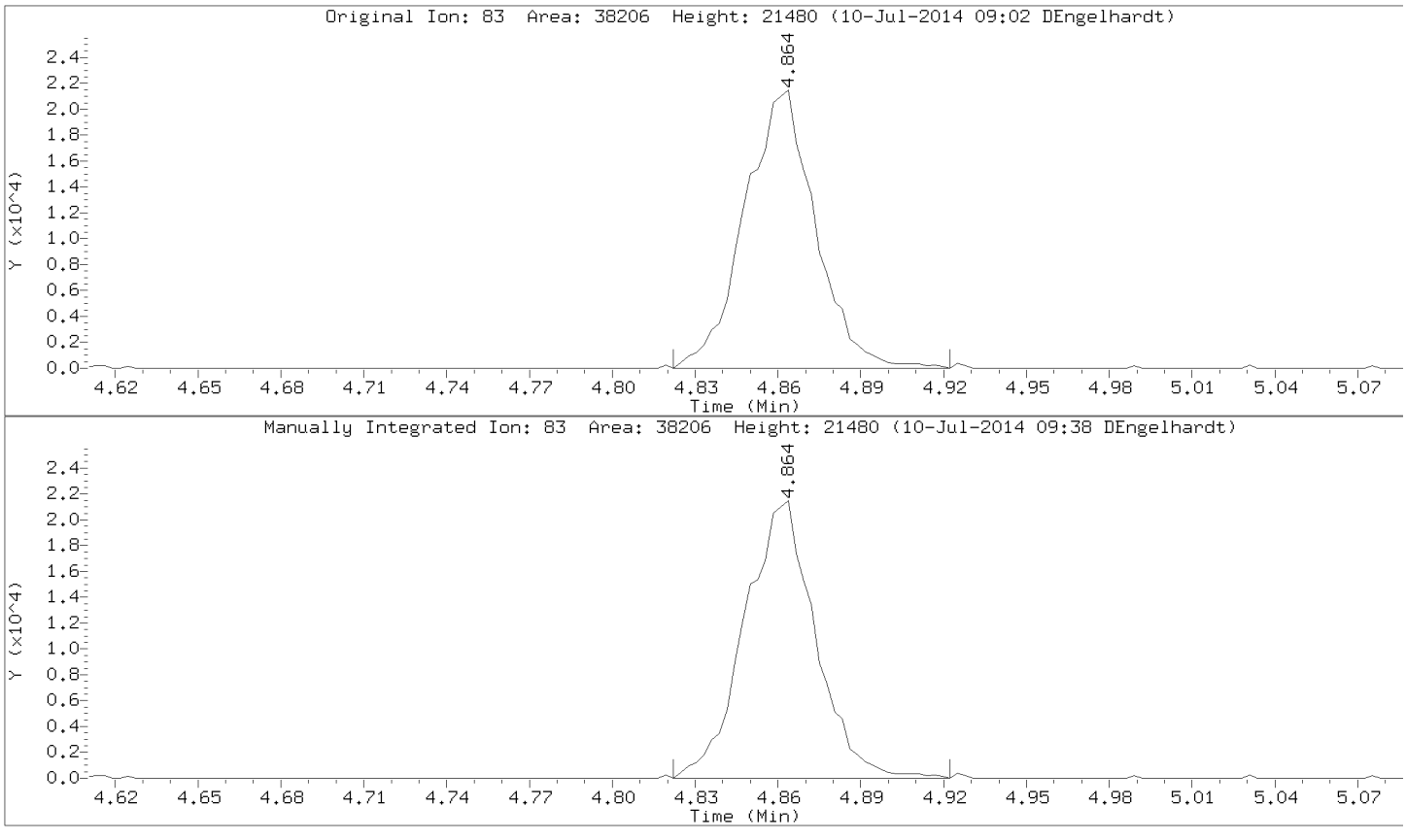
Lab Sample ID: 8260-CAL5,72091:0



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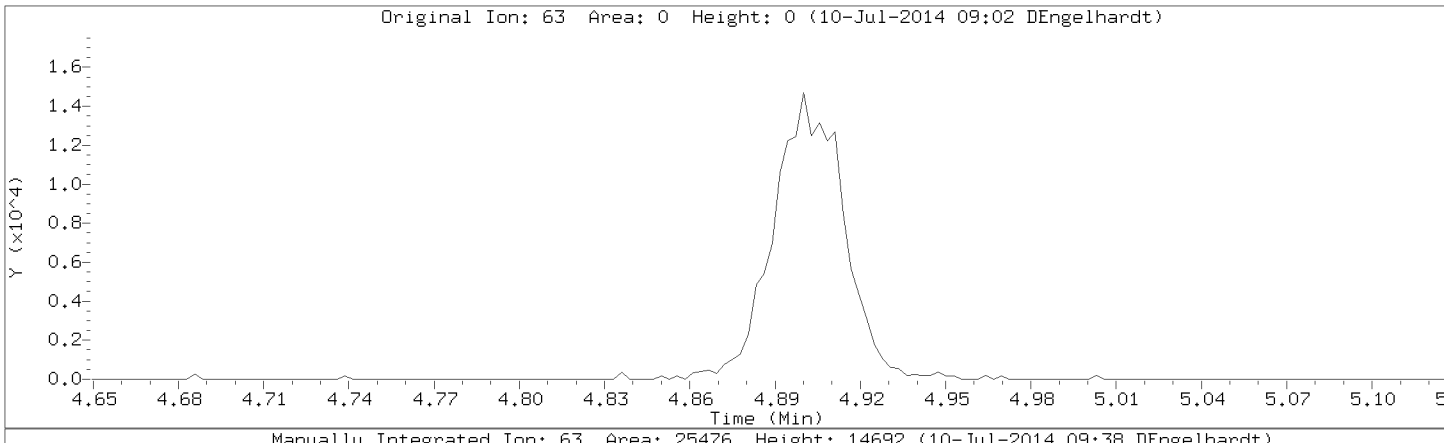
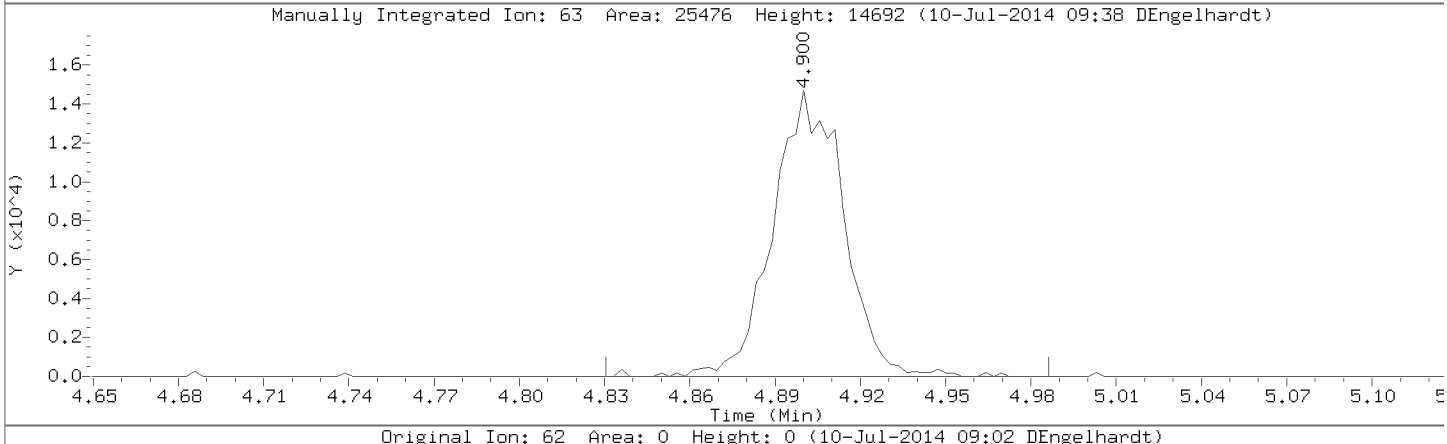
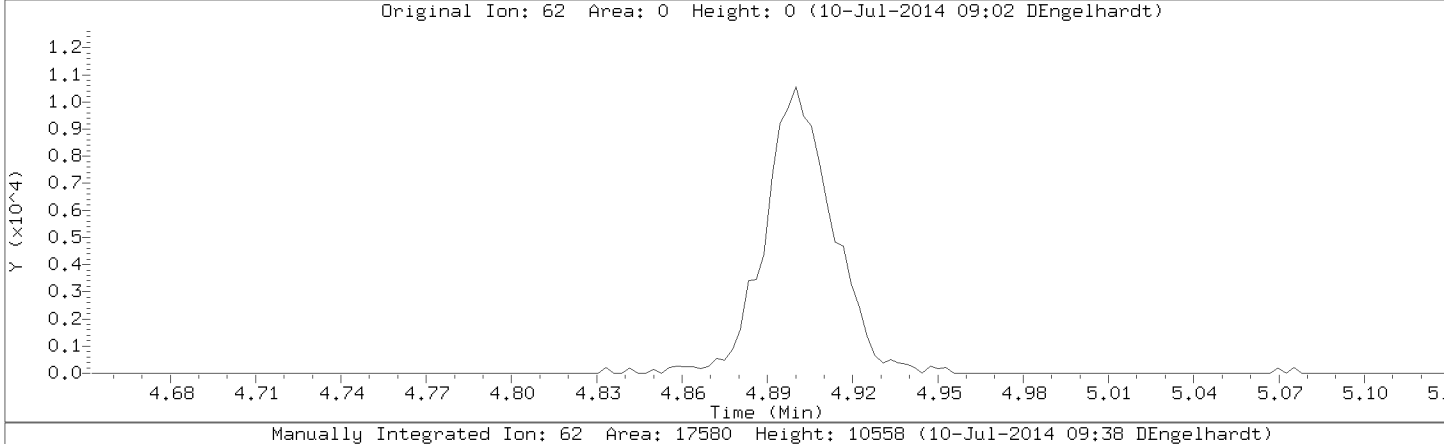
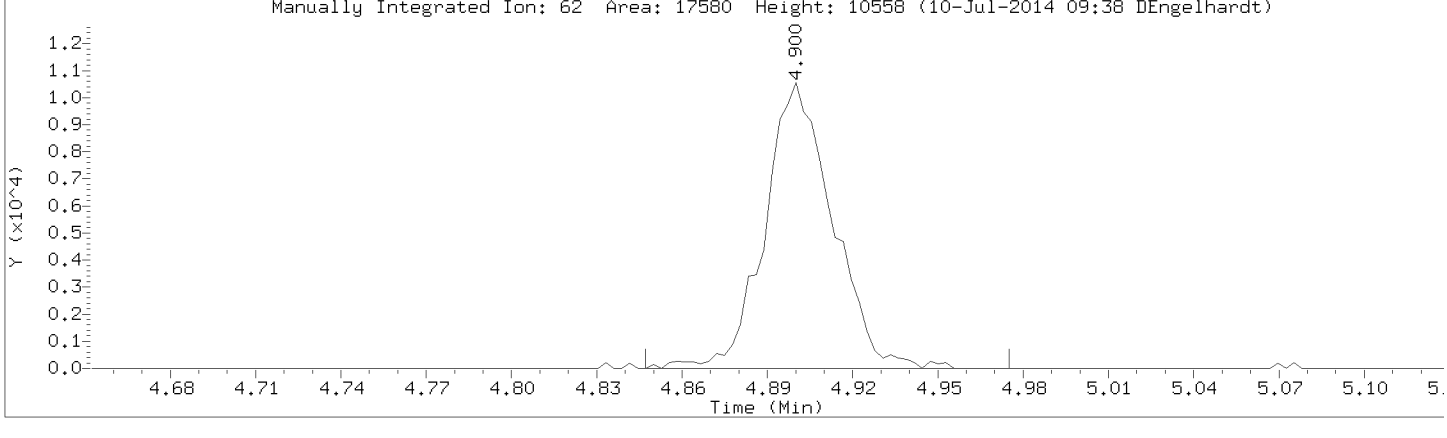
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5









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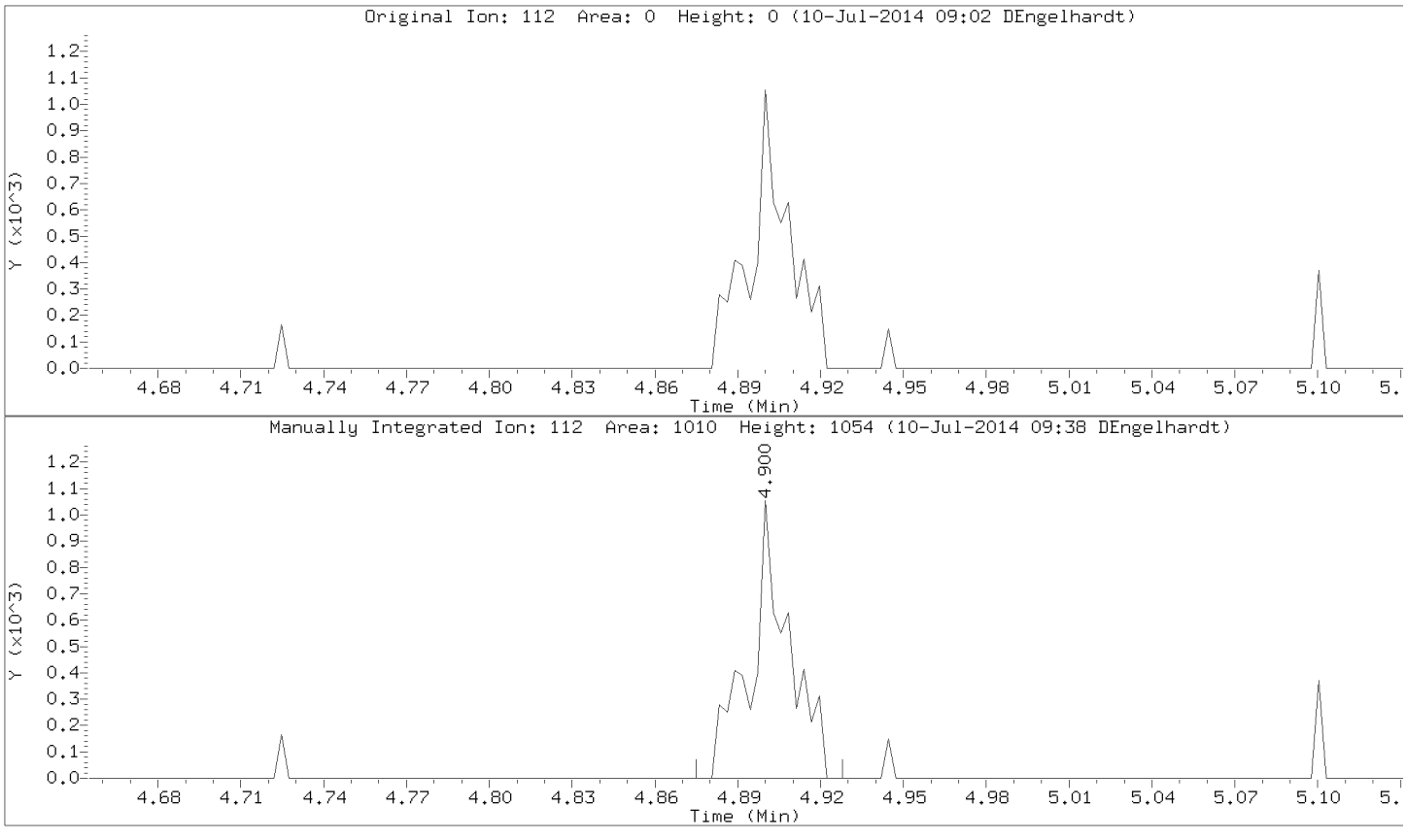
Lab Sample ID: 8260-CAL5,72091:0



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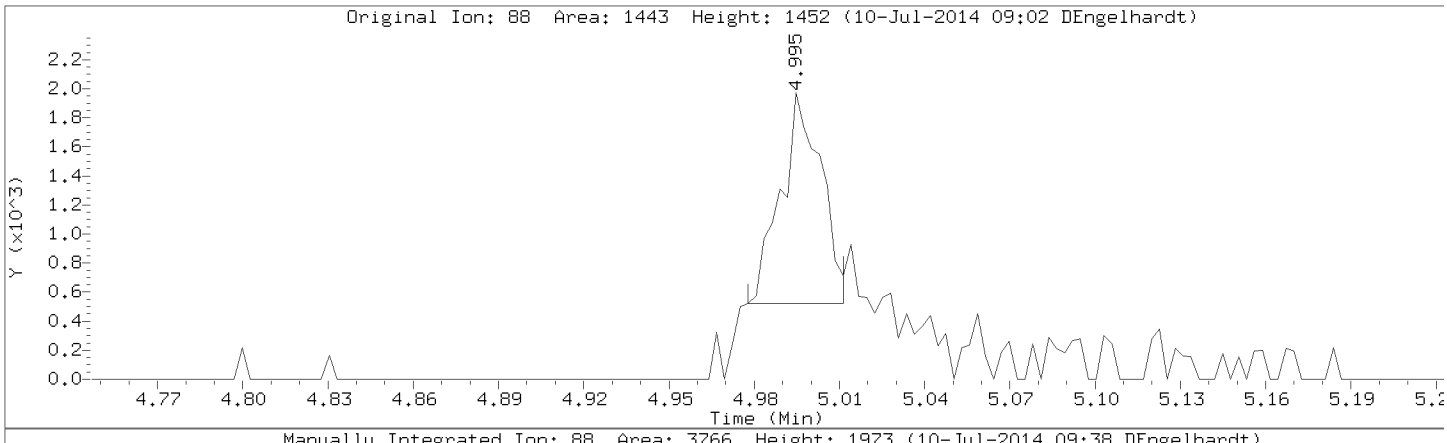
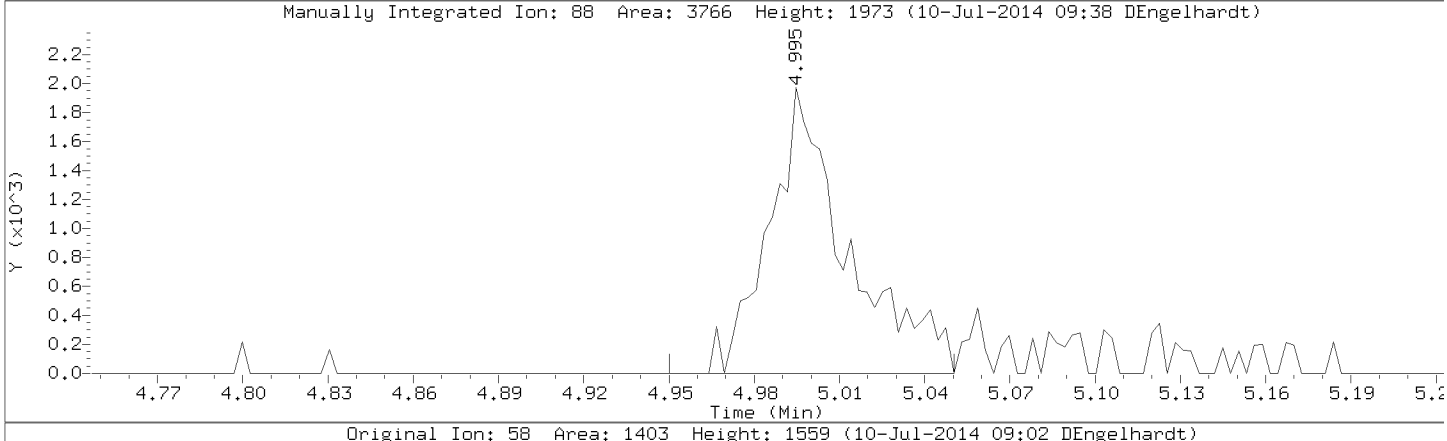
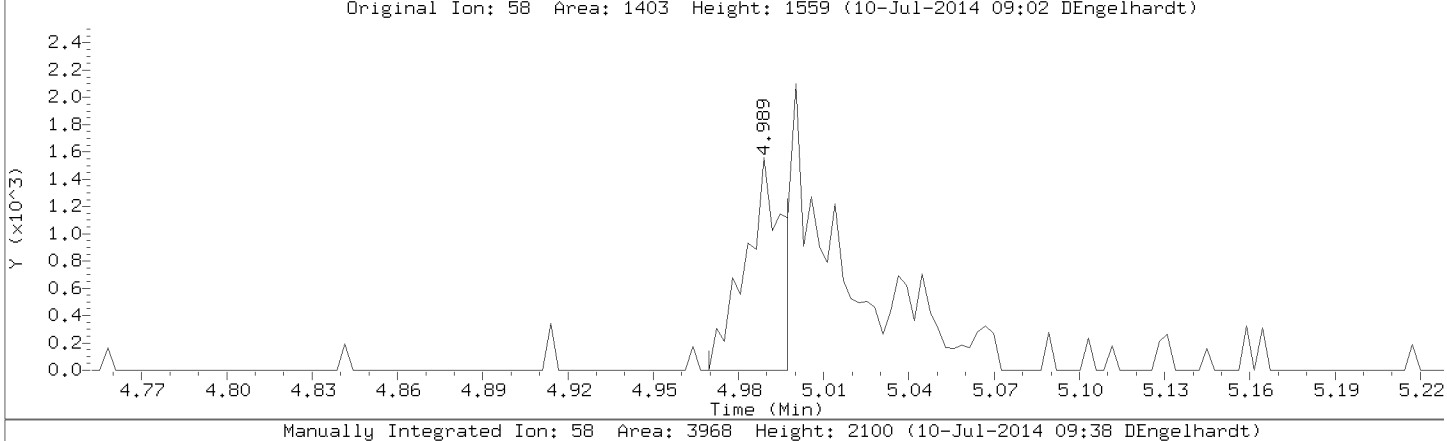
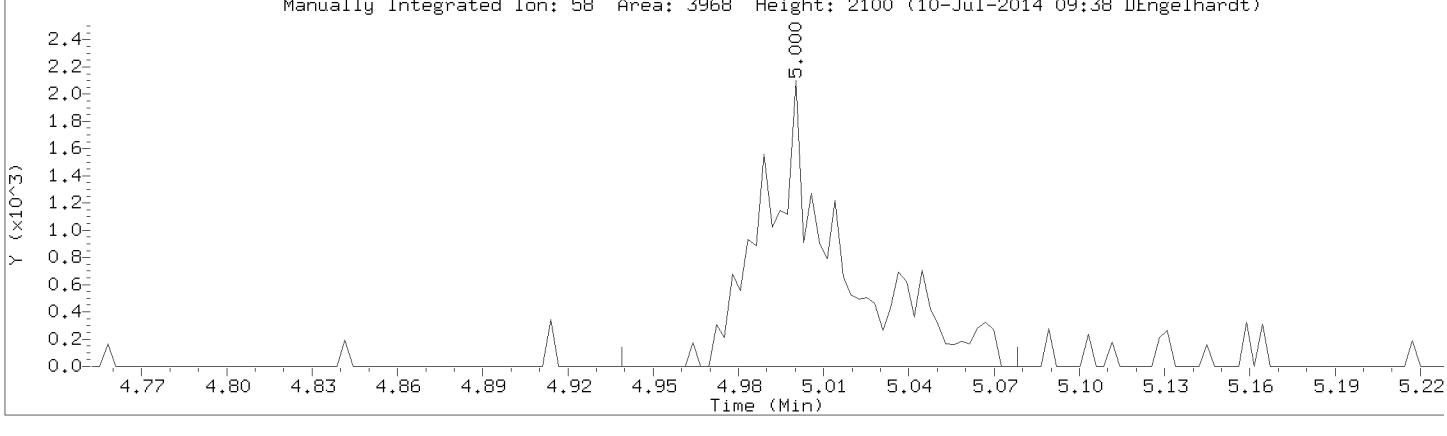
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: 1,4-Dioxane
CAS Number:









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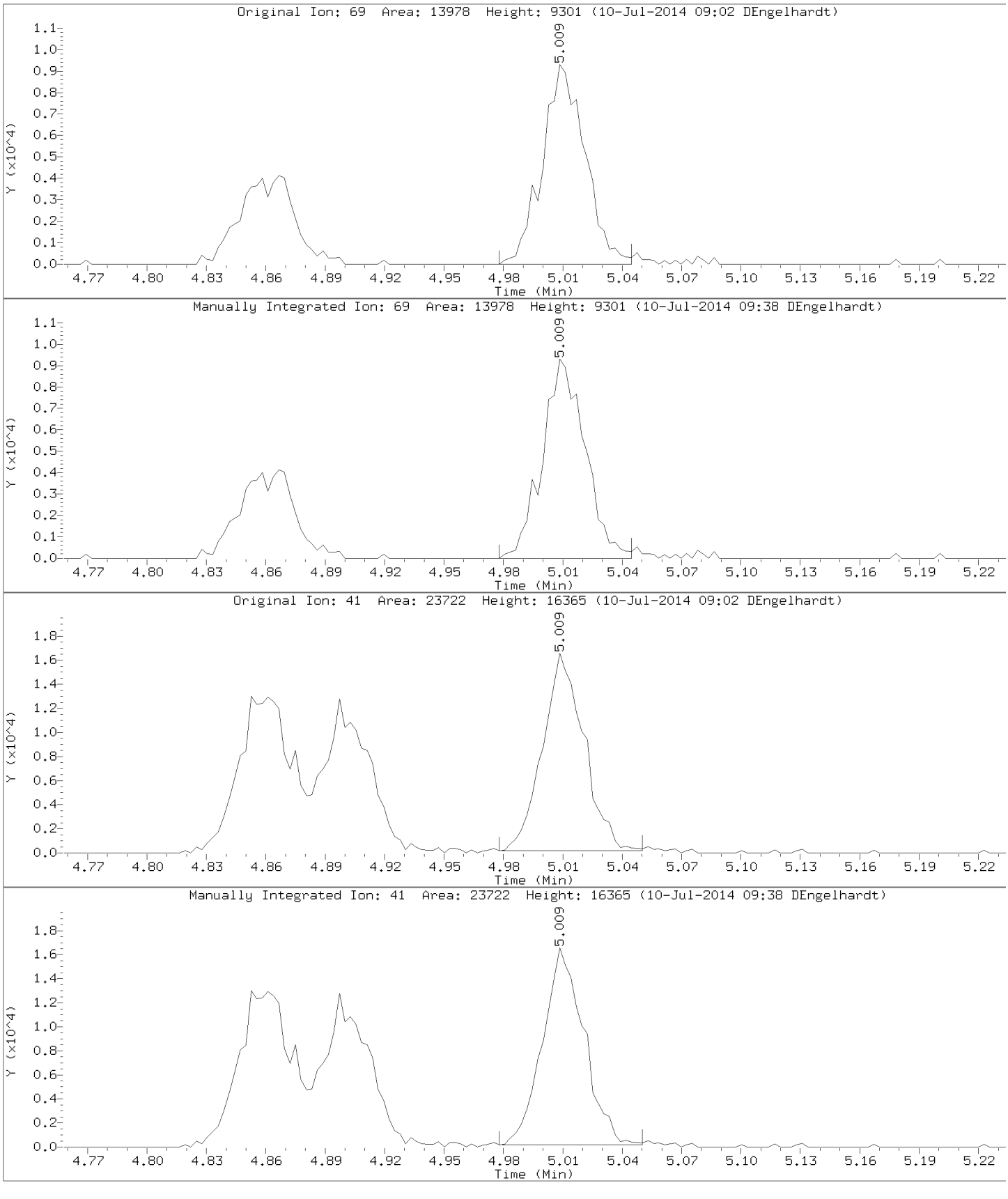
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Methyl methacrylate
CAS Number: 80-62-6



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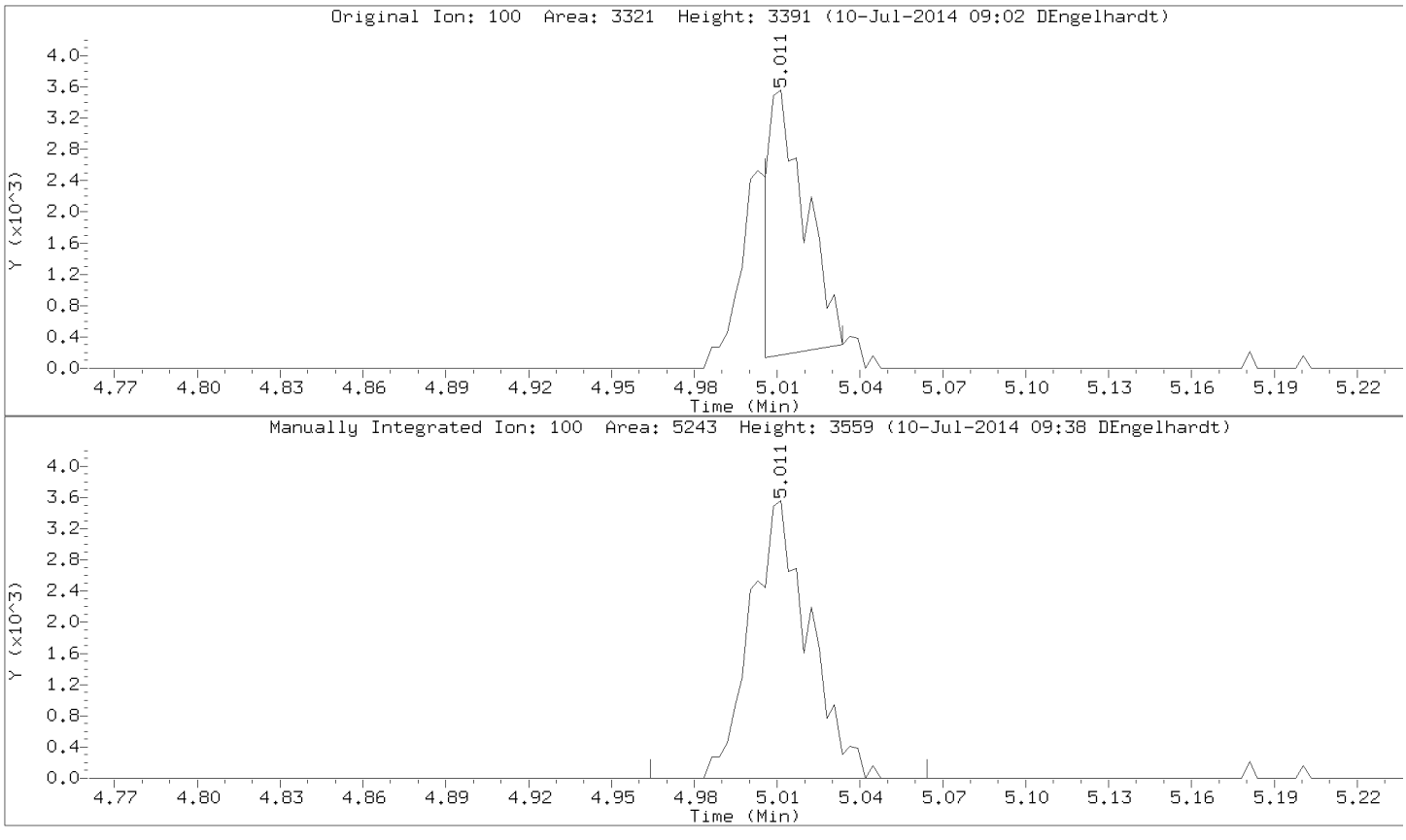

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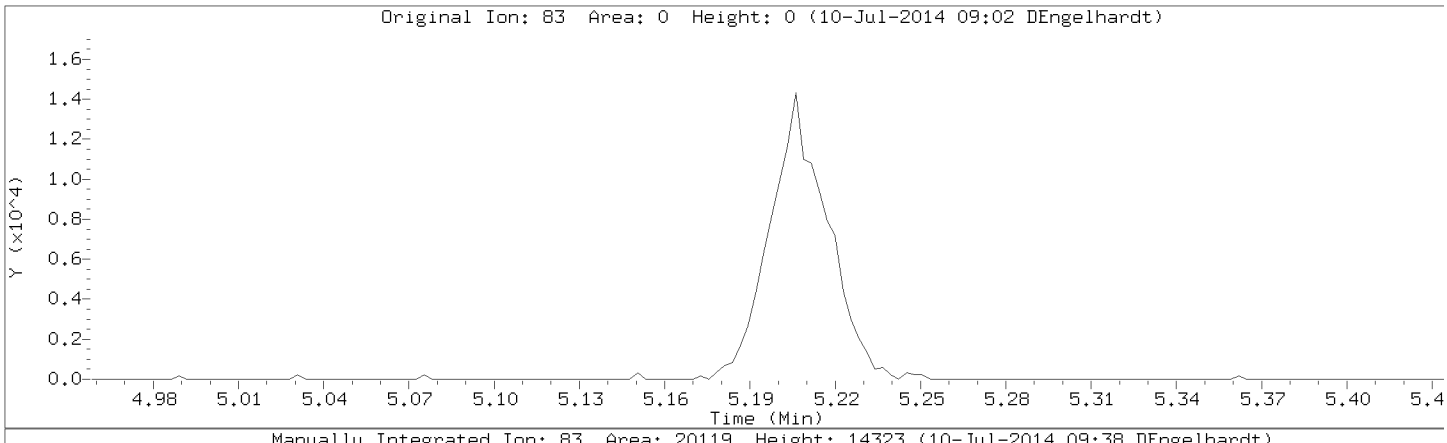
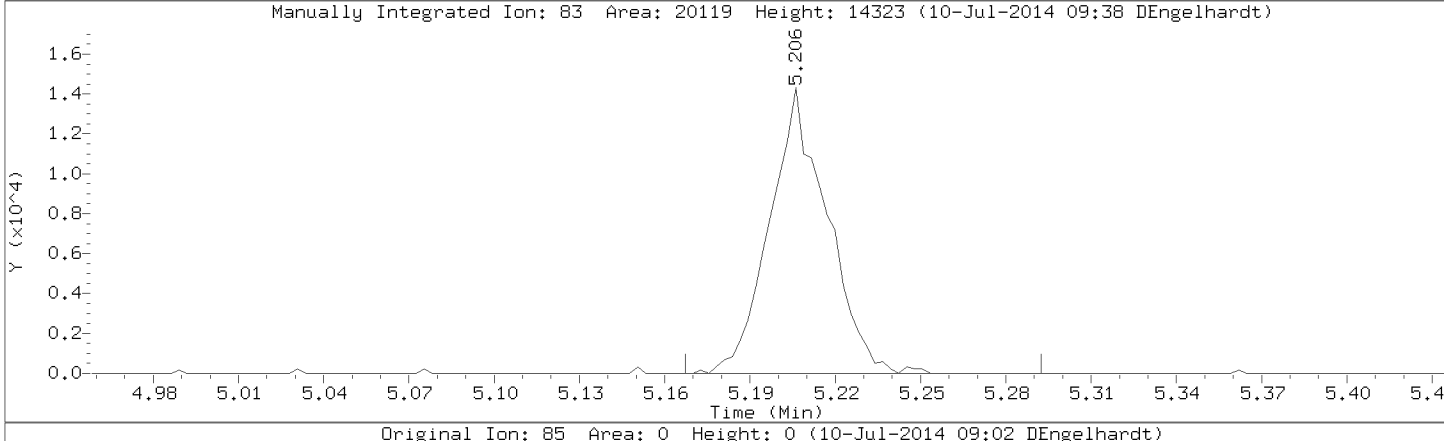
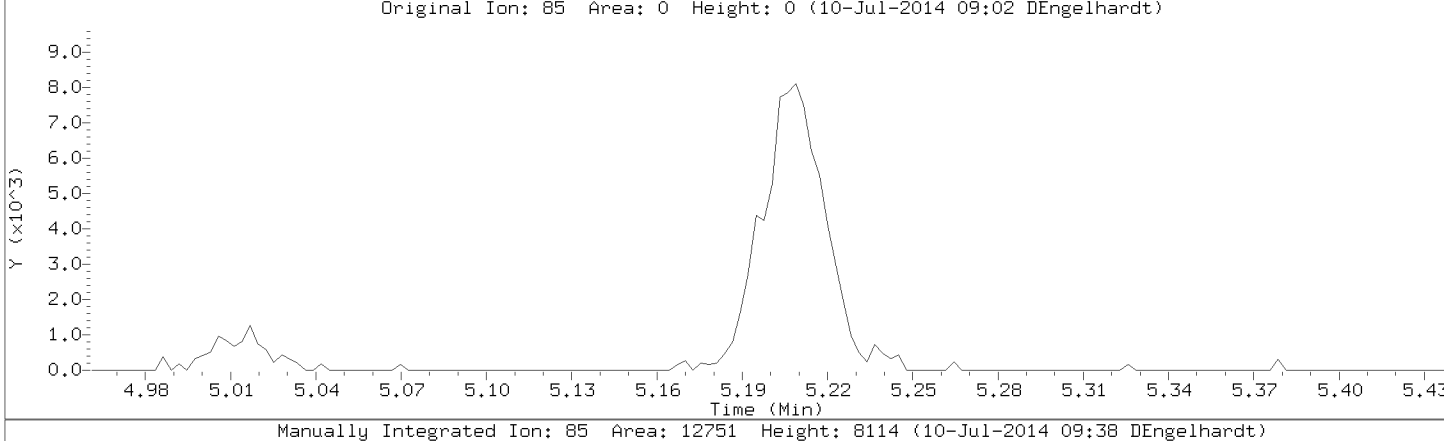
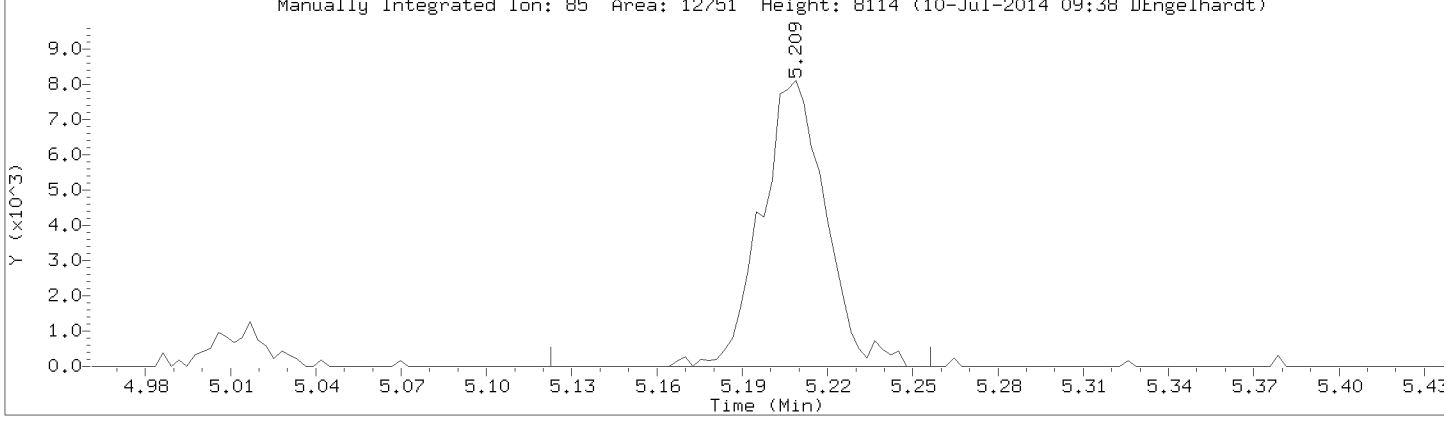
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Bromodichloromethane
CAS Number: 75-27-4









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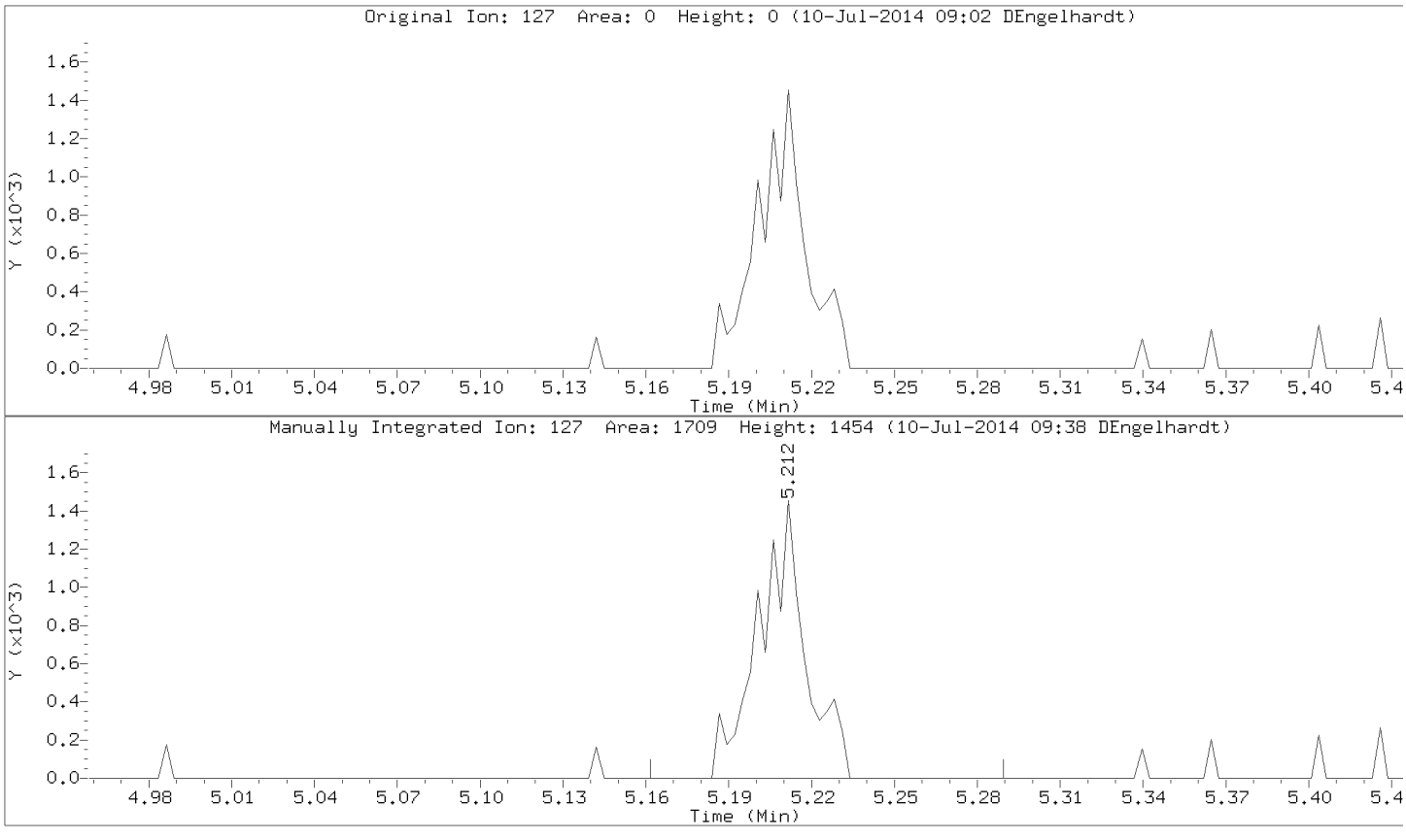
Lab Sample ID: 8260-CAL5,72091:0



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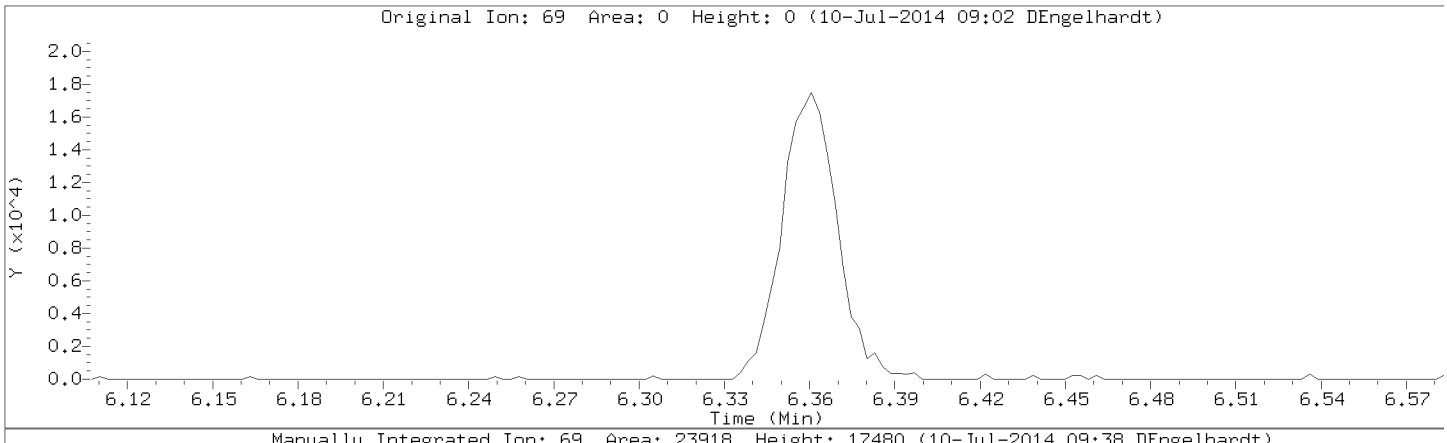
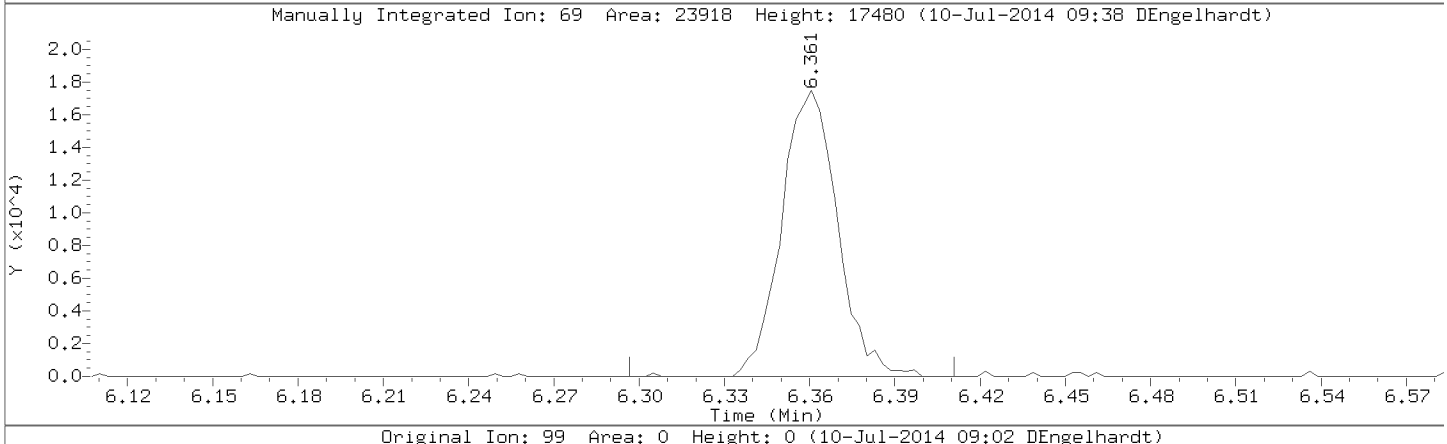
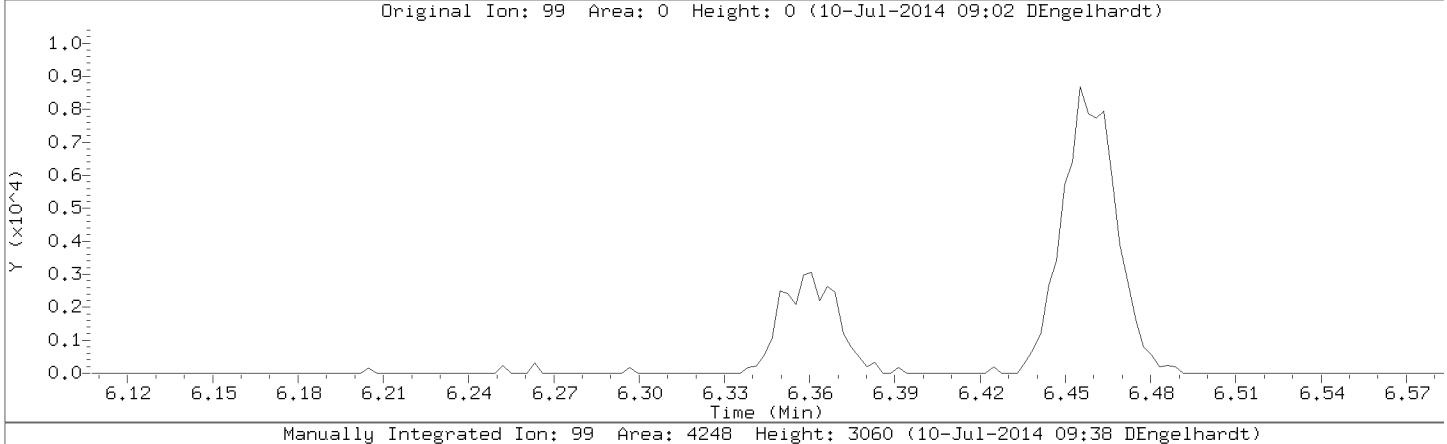
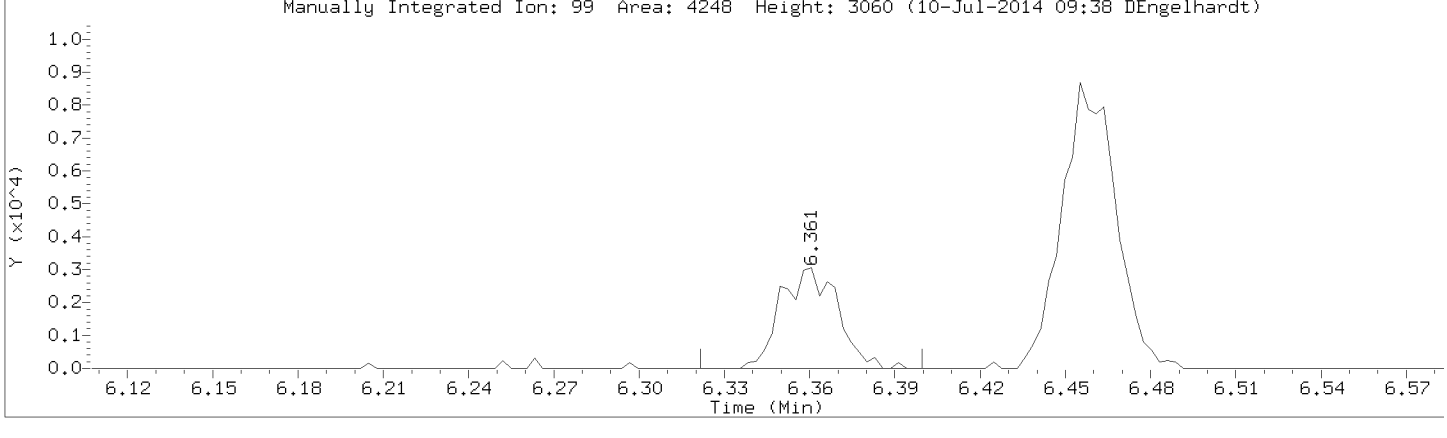
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Ethyl Methacrylate
CAS Number:









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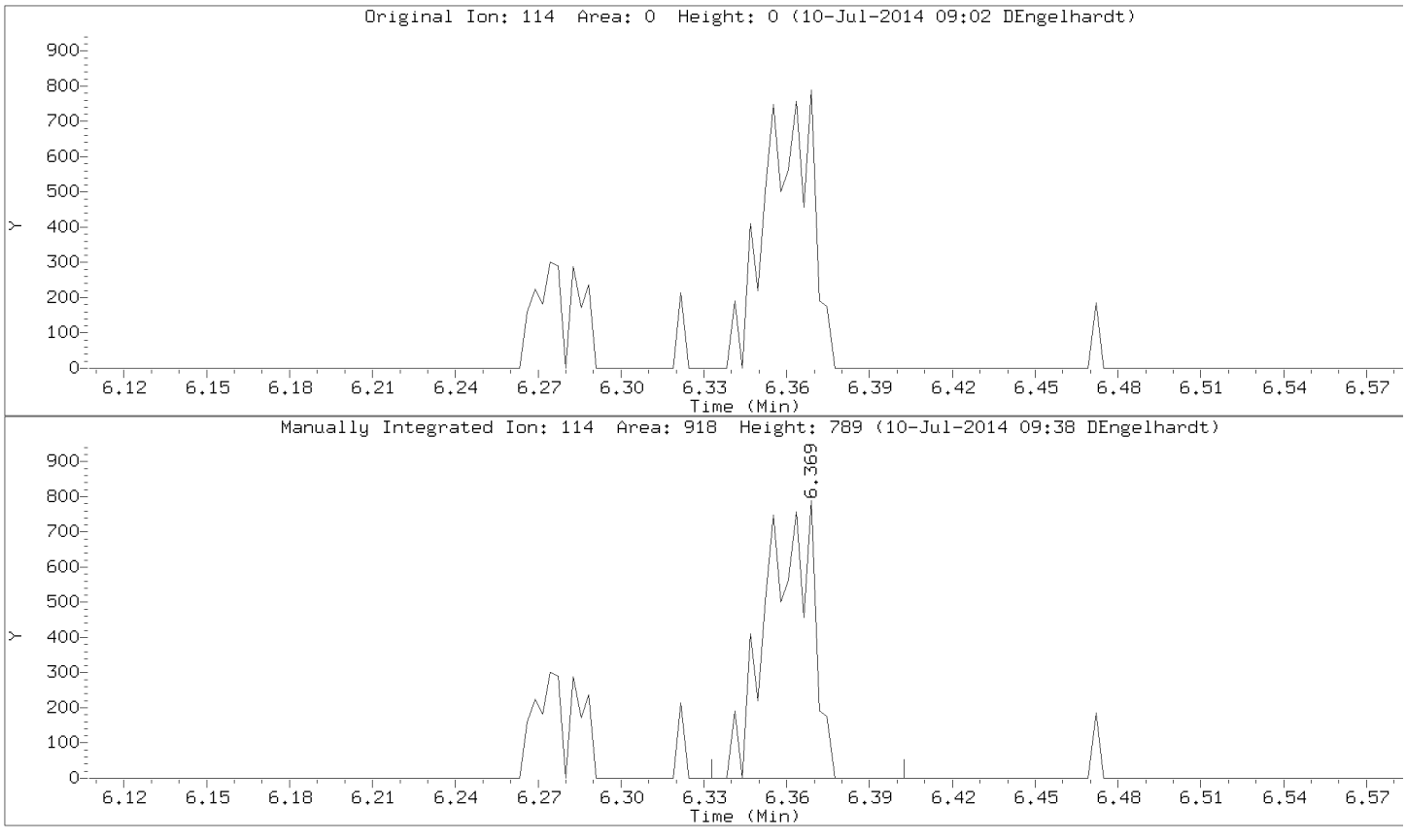
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



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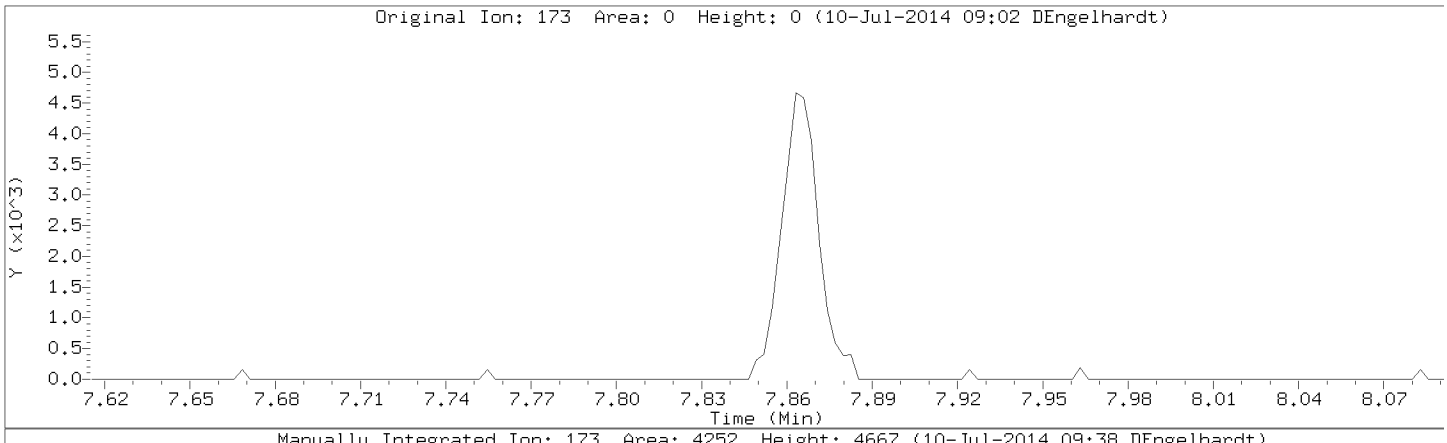
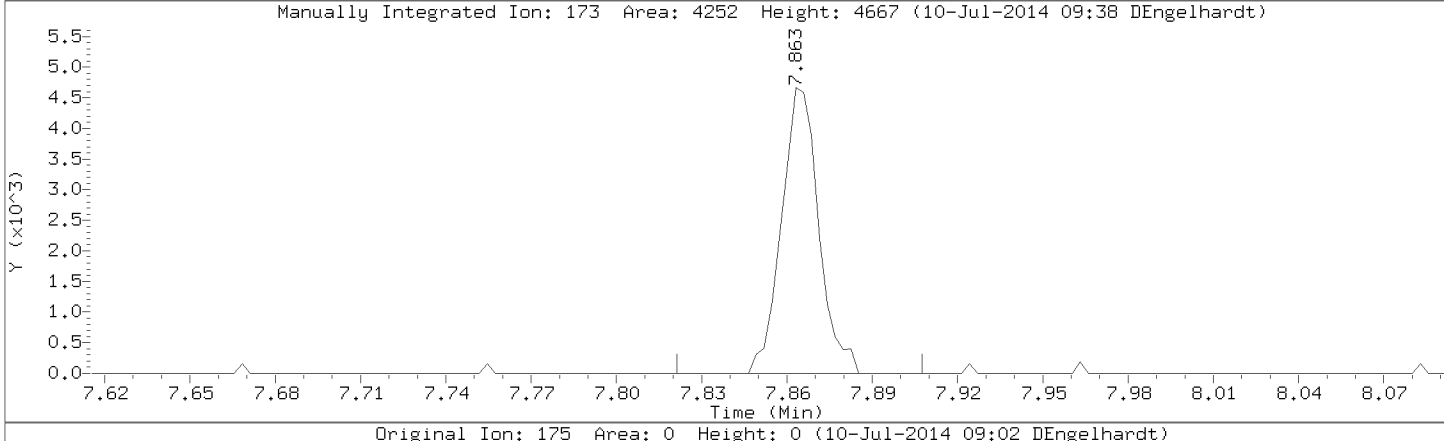
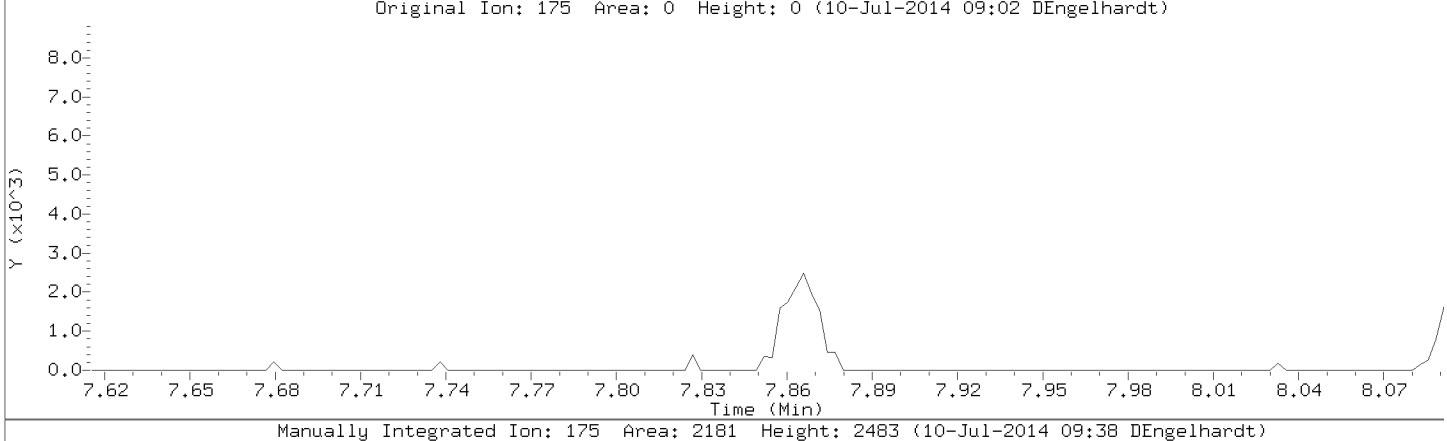
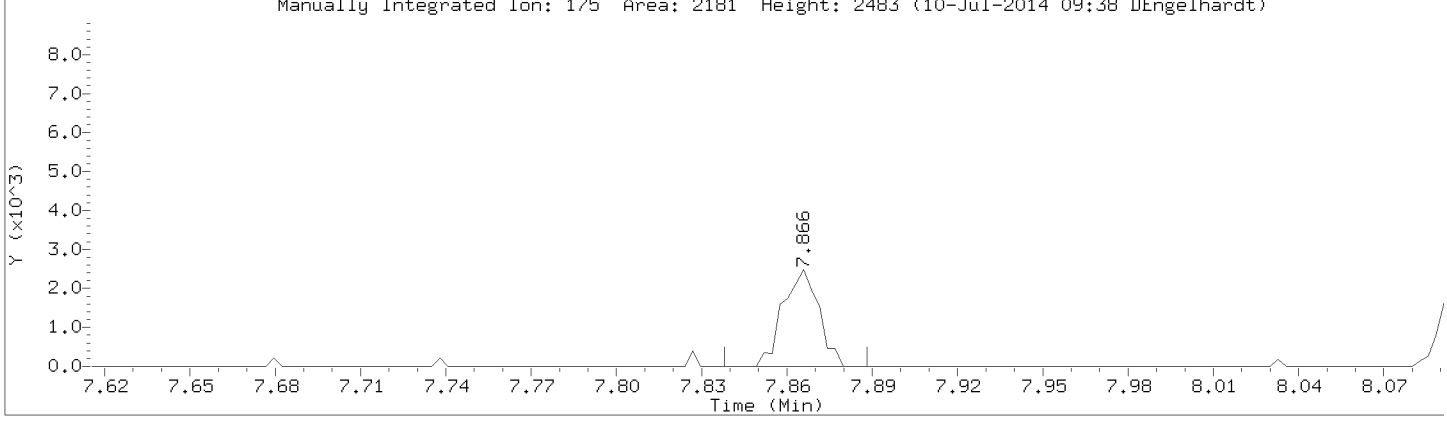
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0

Compound: Bromoform
CAS Number: 75-25-2









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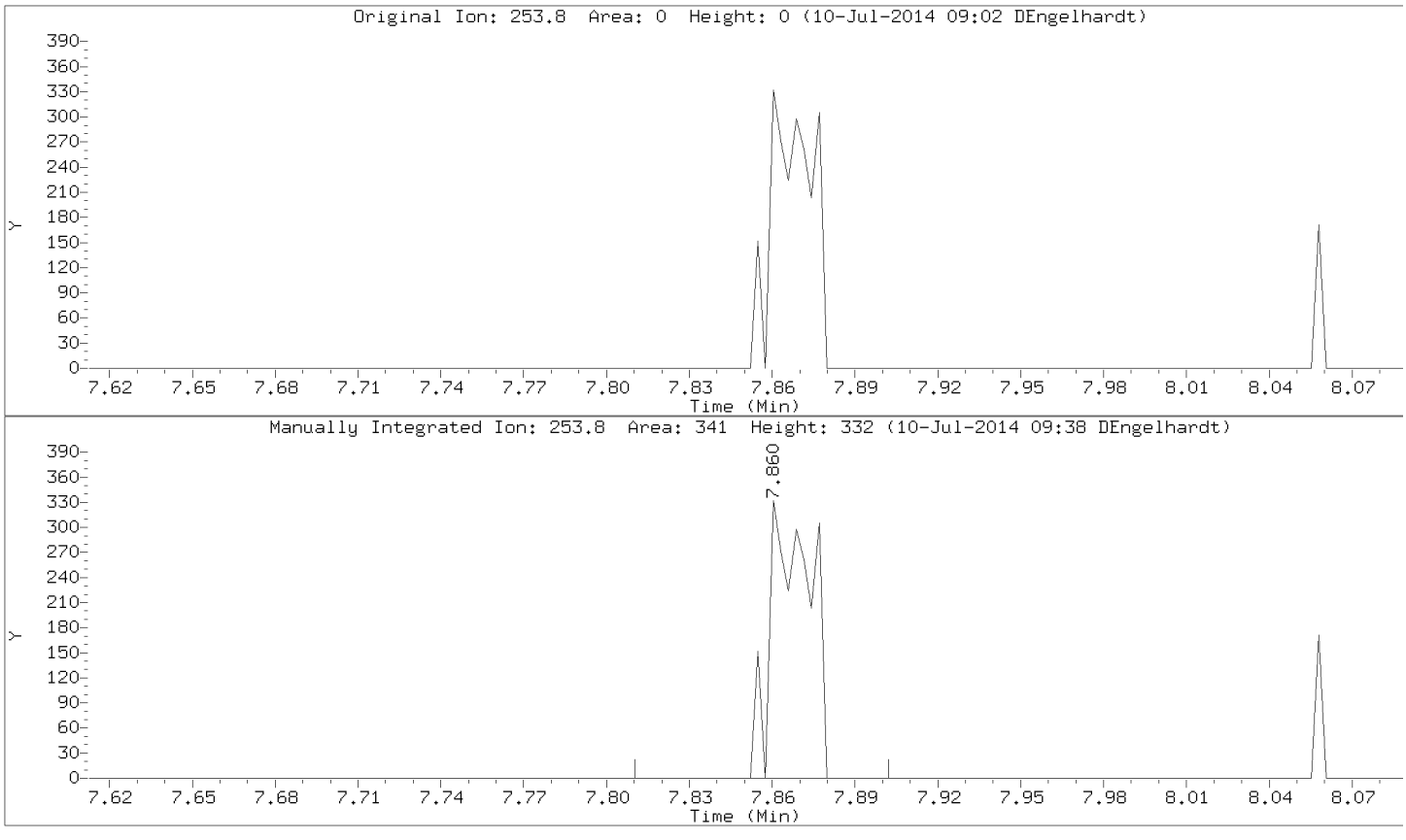
Injection Date: 09-JUL-2014 18:30
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL5,72091:0



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a11cal6.d
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Inj Date : 09-JUL-2014 19:03
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal6,72092:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 12 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)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	169057	50.0000	46.3	
2	Chloromethane	50	1.024	1.024	(0.246)	171176	50.0000	40.7	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	161943	50.0000	45.5	
4	Bromomethane	94	1.213	1.213	(0.292)	38044	50.0000	42.0	
5	Chloroethane	64	1.260	1.260	(0.303)	91986	50.0000	43.6	
6	Trichlorofluoromethane	101	1.372	1.372	(0.330)	223745	50.0000	46.9	
7	Diethyl ether	74	1.494	1.494	(0.360)	64526	50.0000	47.6	
8	1,2-dichlorotrifluoroethane	67	1.511	1.511	(0.364)	152432	50.0000	47.2	
9	Acrolein	56	1.566	1.566	(0.377)	426388	1000.00	976	
10	1,1,2trichlorotrifluoroethane	101	1.617	1.616	(0.389)	111357	50.0000	48.3	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	99884	50.0000	48.6	
12	Acetone	43	1.630	1.630	(0.392)	267277	250.000	188	
13	Iodomethane	142	1.708	1.708	(0.411)	133454	100.000	81.5	
14	Carbon Disulfide	76	1.753	1.753	(0.422)	602756	100.000	101	
15	Methyl Acetate	43	1.797	1.797	(0.432)	133390	50.0000	42.6	
16	Acetonitrile	39	1.814	1.814	(0.436)	374209	50.0000	51.8	
17	allyl chloride	41	1.814	1.814	(0.436)	515399	100.000	108	
18	Methylene Chloride	84	1.886	1.886	(0.454)	113820	50.0000	12.5	
19	tert-Butyl Alcohol	59	1.923	1.922	(0.463)	26678	100.000	82.6	
20	Acrylonitrile	53	2.020	2.020	(0.486)	1270202	1000.00	982	
21	Methyl-tert-butyl ether	73	2.045	2.045	(0.492)	669922	100.000	101	
22	1,2-Dichloroethene (trans)	96	2.056	2.056	(0.495)	106817	50.0000	49.8	
23	n-Hexane	57	2.237	2.237	(0.538)	223523	50.0000	48.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	1471377	200.000	224	
	25 1,1-Dichloroethane	63	2.357	2.357	(0.567)	243451	50.0000	51.0	
	26 Chloroprene	53	2.412	2.412	(0.580)	275289	50.0000	49.5	
	28 2-Butanone	43	2.810	2.810	(0.676)	480355	250.000	243	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.679)	138392	50.0000	45.6	
	30 2,2-Dichloropropane	77	2.832	2.830	(0.681)	108243	50.0000	58.1	
	31 Propionitrile	54	2.869	2.866	(0.690)	25070	50.0000	53.0	
	32 Methacrylonitrile	41	3.016	3.013	(0.726)	120453	200.000	201	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	137603	50.0000	43.5	
	34 Tetrahydrofuran	42	3.069	3.066	(0.738)	49665	50.0000	24.2	
	35 Chloroform	83	3.158	3.161	(0.760)	225446	50.0000	51.0	
$	36 Dibromofluoromethane (S)	113	3.330	3.333	(0.801)	100277	50.0000	51.0	
	37 1,1,1-Trichloroethane	97	3.336	3.339	(0.803)	157215	50.0000	60.5	
	38 cyclohexane	56	3.414	3.414	(0.821)	290762	50.0000	51.6	
	39 Carbon Tetrachloride	117	3.511	3.511	(0.845)	91693	50.0000	63.6(M)	
	40 1,1-Dichloropropene	75	3.520	3.520	(0.847)	190057	50.0000	53.4	
	41 Benzene	78	3.759	3.759	(0.904)	493912	50.0000	48.1	
	42 1,2-Dichloroethane	62	3.848	3.848	(0.926)	216354	50.0000	51.9(M)	
	43 2,2,4-Trimethylpentane	57	3.937	3.931	(0.947)	503286	50.0000	52.2	
	44 Isobutyl alcohol	43	3.937	3.934	(0.947)	102913	50.0000	51.0(M)	
*	45 Fluorobenzene	96	4.157	4.159	(1.000)	419961	50.0000		
	47 Trichloroethene	95	4.599	4.602	(1.106)	129718	50.0000	45.7	
	48 Methylcyclohexane	55	4.861	4.858	(1.169)	214109	50.0000	50.9	
	49 1,2-Dichloropropane	63	4.900	4.899	(1.179)	138977	50.0000	52.6(M)	
	50 1,4-Dioxane	88	4.994	4.997	(1.201)	23695	50.0000	81.1(M)	
	51 Dibromomethane	93	4.989	4.989	(1.200)	75315	50.0000	54.4	
	52 Methyl methacrylate	69	5.011	5.008	(1.205)	88480	50.0000	63.0	
	53 Bromodichloromethane	83	5.208	5.208	(1.253)	131301	50.0000	62.2	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	182689	100.000	113	
	55 cis-1,3-Dichloropropene	75	5.679	5.679	(0.783)	141006	50.0000	75.6	
	56 4-Methyl-2-Pentanone	43	5.846	5.845	(0.807)	886776	250.000	290	
$	57 Toluene-d8	98	5.937	5.934	(0.819)	402795	50.0000	50.7	
	58 Toluene	91	6.004	6.004	(0.828)	529110	50.0000	50.7	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	100601	50.0000	74.3	
	60 Ethyl Methacrylate	69	6.357	6.357	(0.877)	152298	50.0000	63.2	
	61 1,1,2-Trichloroethane	83	6.458	6.458	(0.891)	84321	50.0000	48.2	
	62 Tetrachloroethene	166	6.505	6.505	(0.897)	104562	50.0000	49.8	
	63 1,3-Dichloropropane	76	6.597	6.599	(0.910)	188129	50.0000	49.6	
	64 2-Hexanone	43	6.672	6.672	(0.921)	615532	250.000	291	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	68274	50.0000	75.1	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.947)	94364	50.0000	60.4	
*	67 Chlorobenzene-d5	117	7.248	7.245	(1.000)	275738	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	297264	50.0000	49.5	
	69 1,1,1,2-Tetrachloroethane	131	7.348	7.348	(1.014)	70058	50.0000	72.5(Q)	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	173674	50.0000	50.2	
	71 m&p-Xylene	106	7.459	7.459	(1.029)	414501	100.000	103	
	72 o-Xylene	106	7.729	7.729	(1.066)	197063	50.0000	54.9	
	73 Styrene	104	7.746	7.746	(1.069)	346313	50.0000	57.1	
	74 Bromoform	173	7.865	7.865	(0.892)	33883	50.0000	70.2	
	75 Isopropylbenzene	105	7.988	7.988	(1.102)	530658	50.0000	54.6	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	158901	50.0000	51.7	
	78 Bromobenzene	77	8.180	8.180	(1.129)	217084	50.0000	51.2	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	133152	50.0000	52.3	
	80 trans-1,4-Dichloro-2-butene	53	8.224	8.224	(1.135)	38238	50.0000	49.5	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81 1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	43459	50.0000	49.8	
82 n-Propylbenzene	91	8.263	8.260	(0.937)	681411	50.0000	50.2	
83 2-Chlorotoluene	91	8.311	8.308	(0.942)	400405	50.0000	49.9	
84 1,3,5-Trimethylbenzene	105	8.383	8.380	(0.950)	452375	50.0000	52.7	
85 4-Chlorotoluene	126	8.389	8.388	(0.951)	119355	50.0000	49.5	
86 tert-Butylbenzene	119	8.575	8.572	(0.972)	401567	50.0000	54.0	
87 1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	457007	50.0000	50.6	
88 sec-Butylbenzene	105	8.708	8.708	(0.987)	551468	50.0000	53.8	
89 1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	209499	50.0000	48.2	
90 p-Isopropyltoluene	119	8.806	8.803	(0.998)	468099	50.0000	55.7	
* 91 1,4-Dichlorobenzene-d4	152	8.823	8.822	(1.000)	130611	50.0000		
92 1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	216192	50.0000	47.8	
93 n-Butylbenzene	91	9.042	9.042	(1.025)	470389	50.0000	56.6	
94 1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	193581	50.0000	50.3	
95 1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	12870	50.0000	104	
96 1,2,4-Trichlorobenzene	180	9.941	9.941	(1.127)	105450	50.0000	58.4	
97 Hexachlorobutadiene	225	10.022	10.022	(1.136)	51513	50.0000	48.5	
98 Naphthalene	128	10.086	10.086	(1.143)	348011	50.0000	61.9	
99 1,2,3-Trichlorobenzene	180	10.203	10.202	(1.156)	98978	50.0000	60.9	
100 2,methyl-naphthalene	142	10.687	10.687	(1.211)	107721	50.0000	120	
101 1-Methylnaphthalene	142	10.781	10.781	(1.222)	89478	50.0000	103	

QC Flag Legend

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

Review Codes Legend

:

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Sample Info: 8260-CAL6,72092:0
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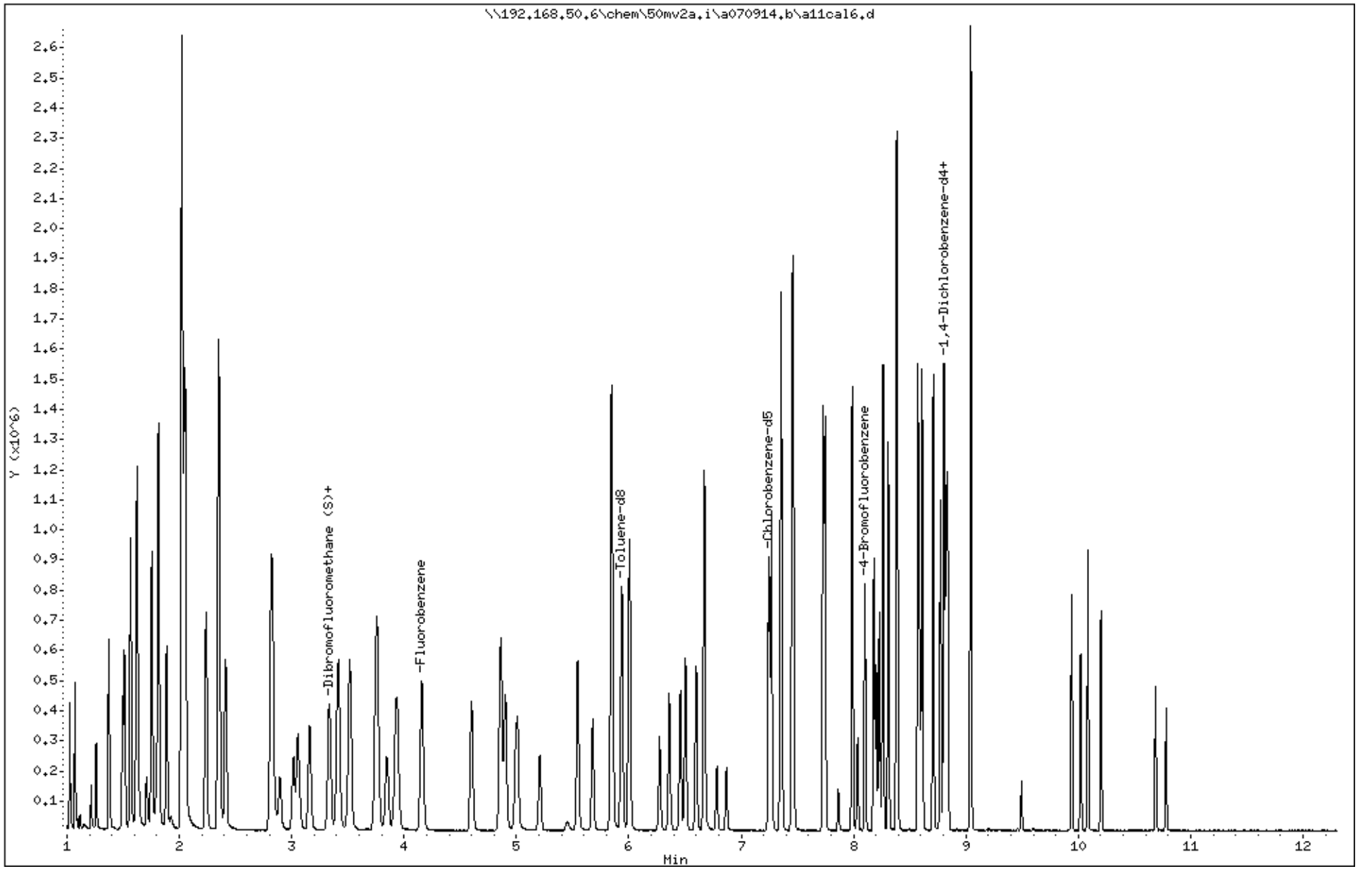
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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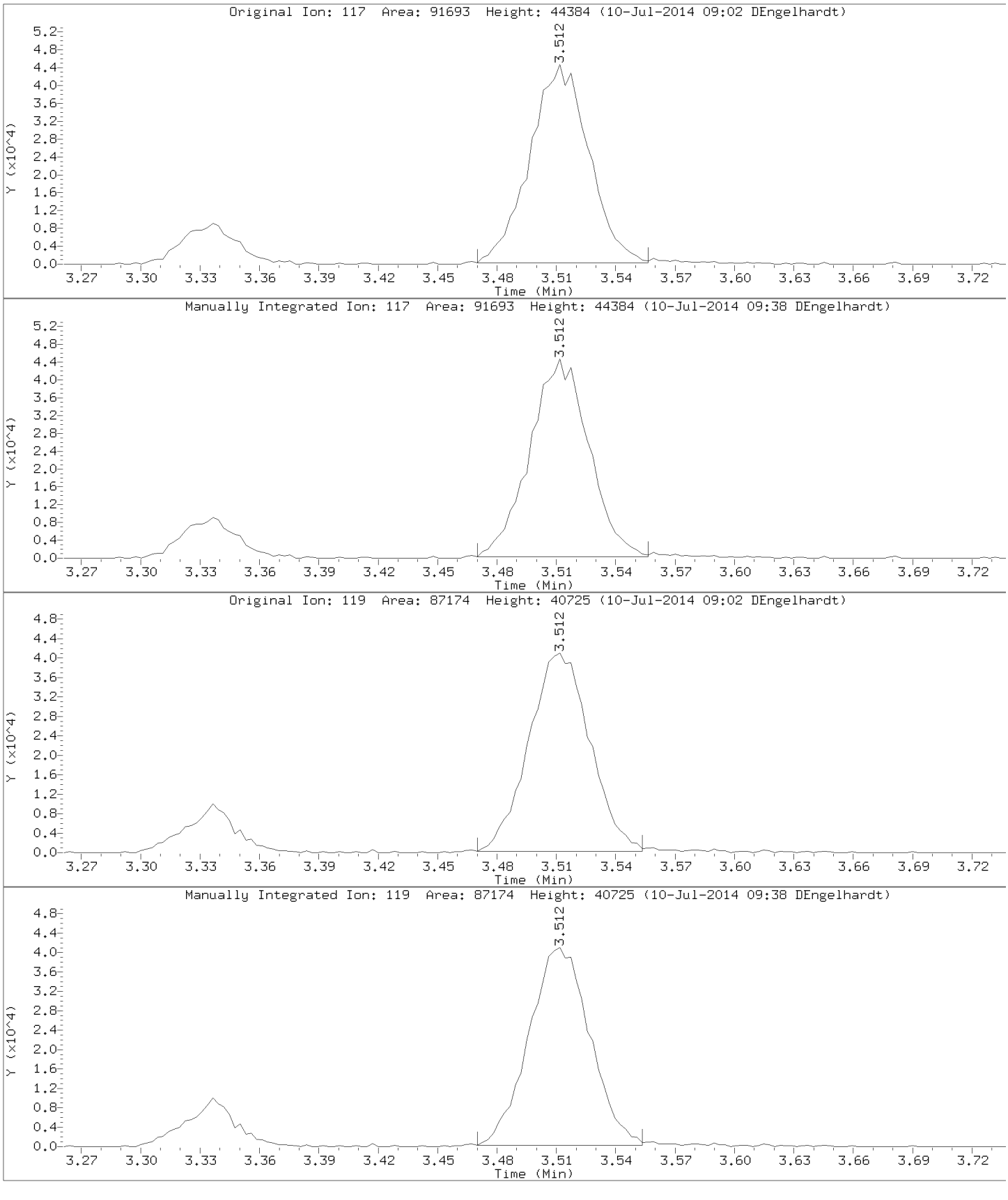
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6,72092:0

Compound: Carbon Tetrachloride
CAS Number: 56-23-5



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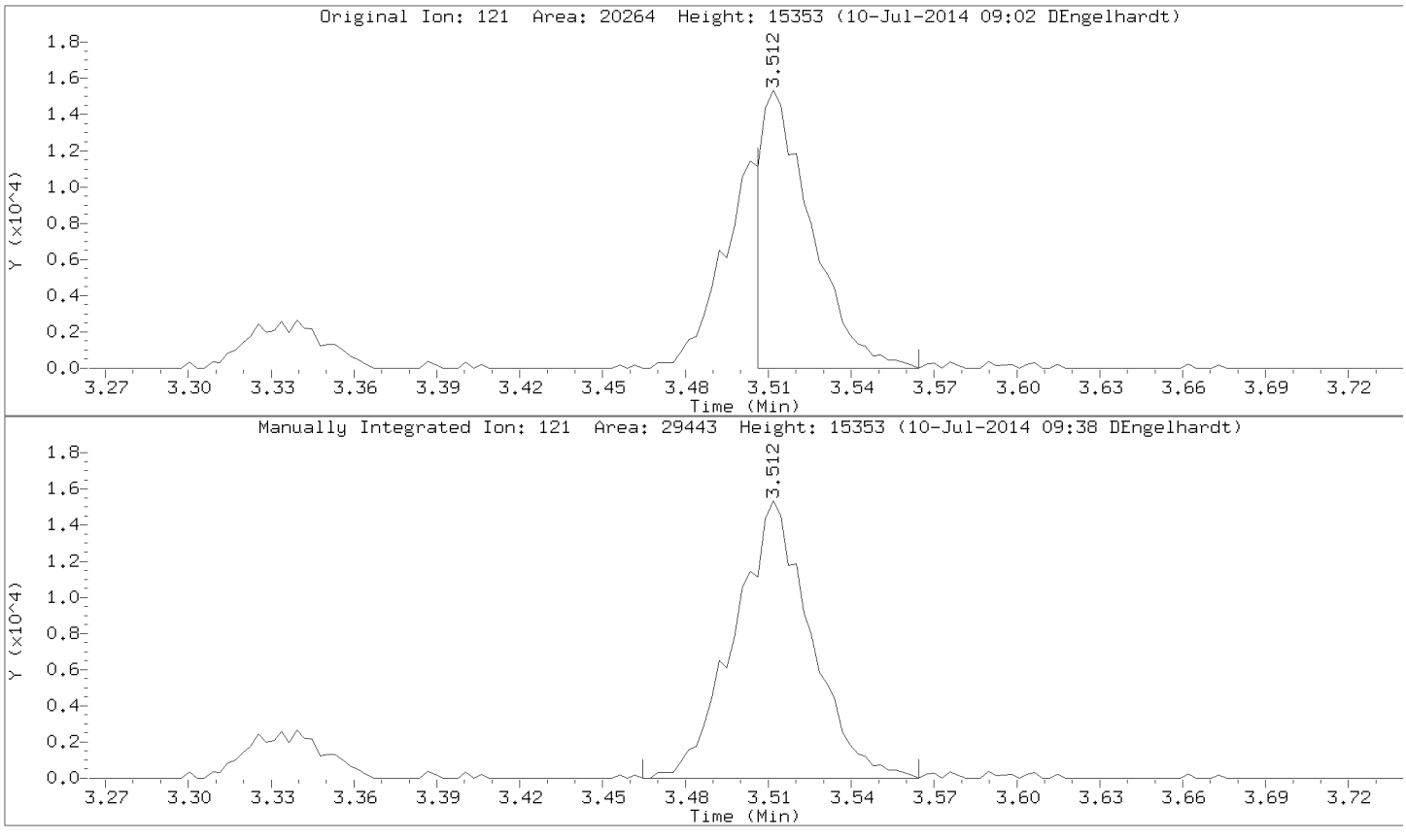

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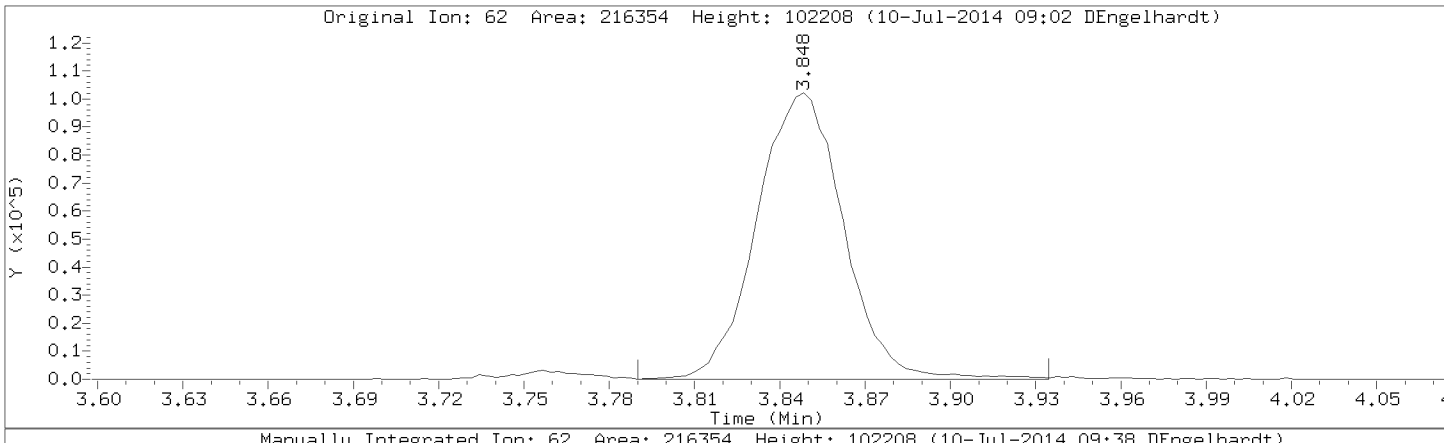
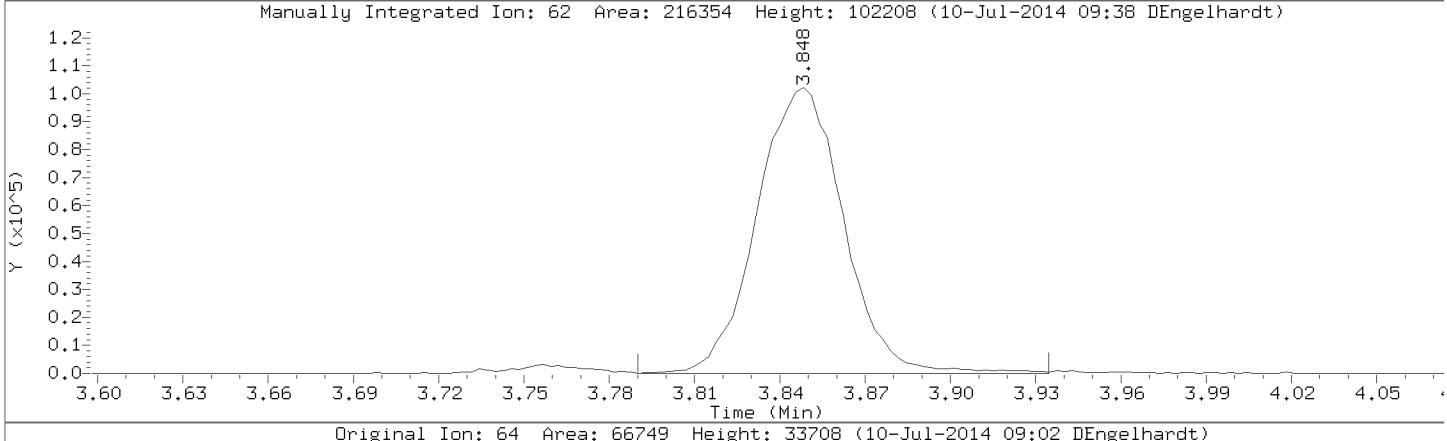
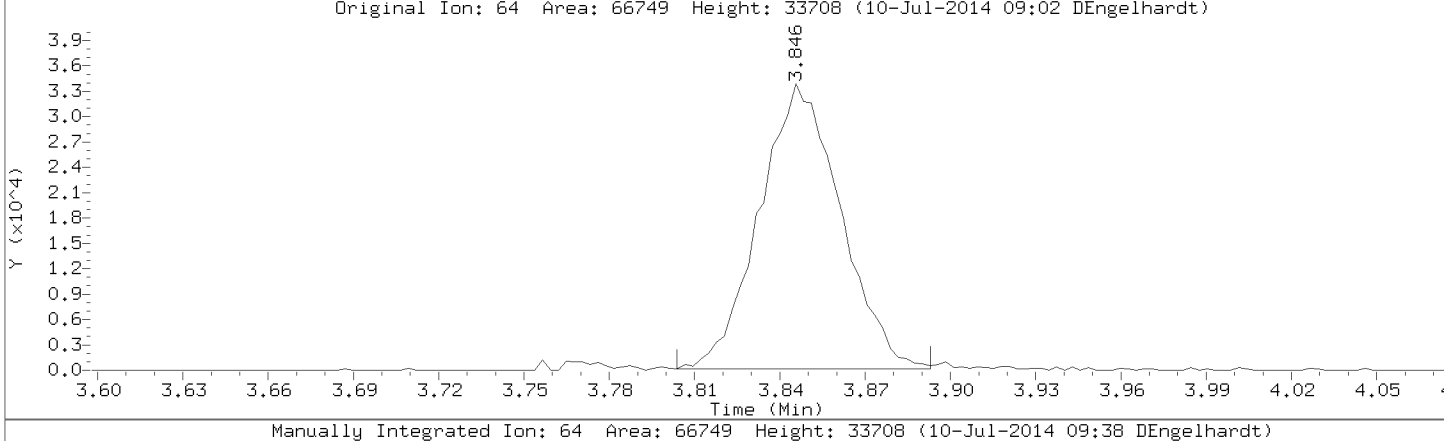
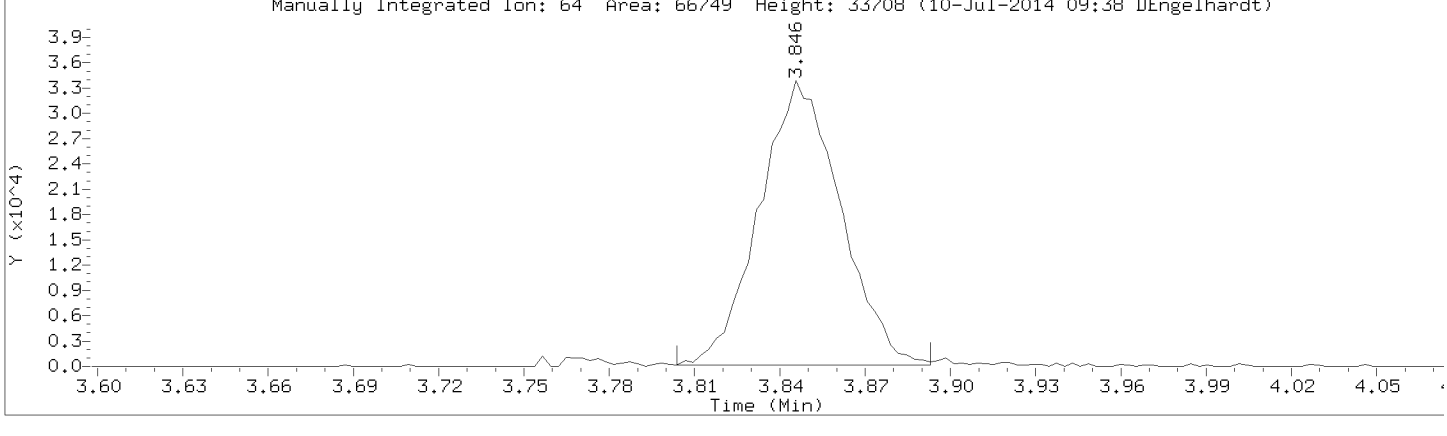
Injection Date: 09-JUL-2014 19:03
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6,72092:0

Compound: 1,2-Dichloroethane
CAS Number: 107-06-2









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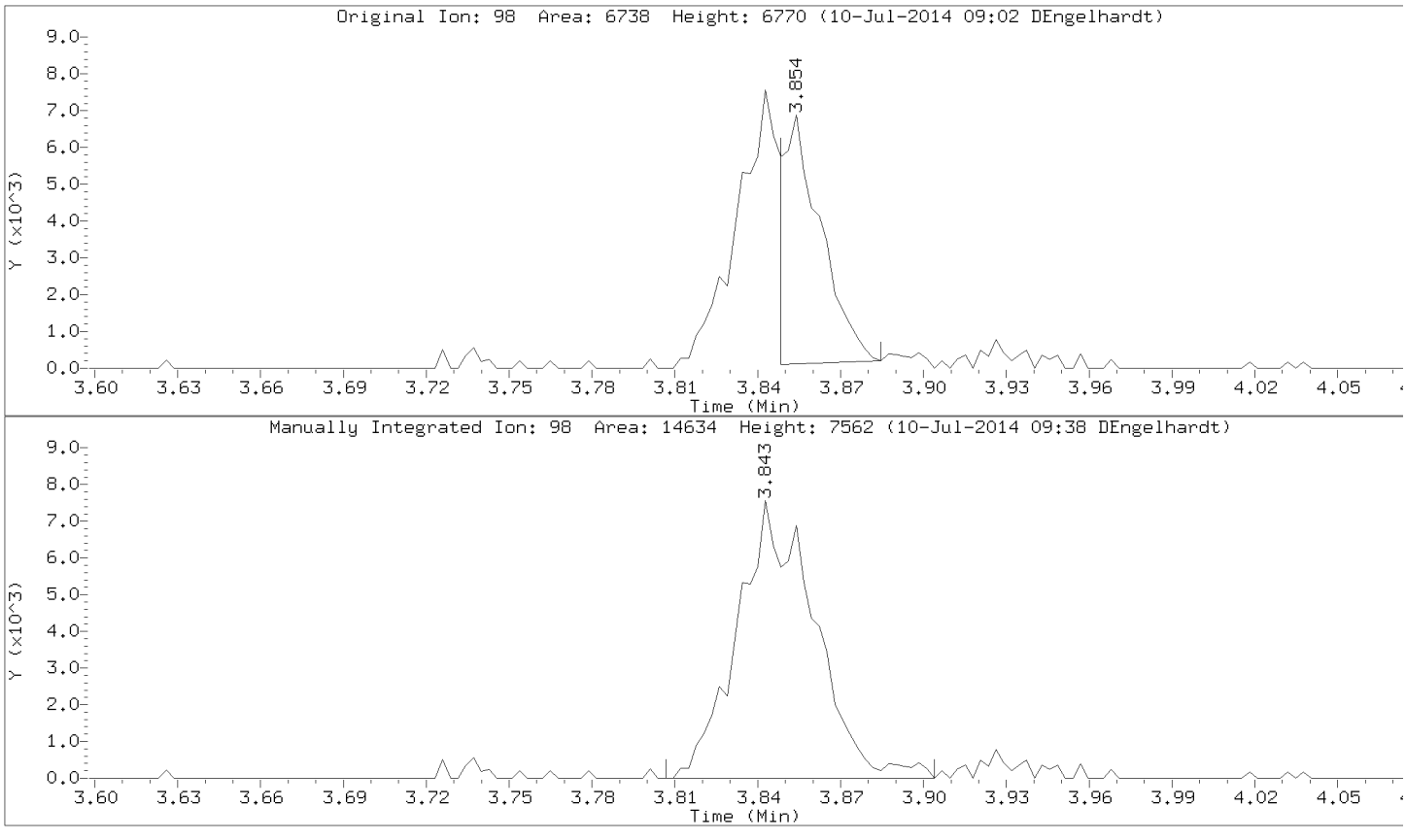

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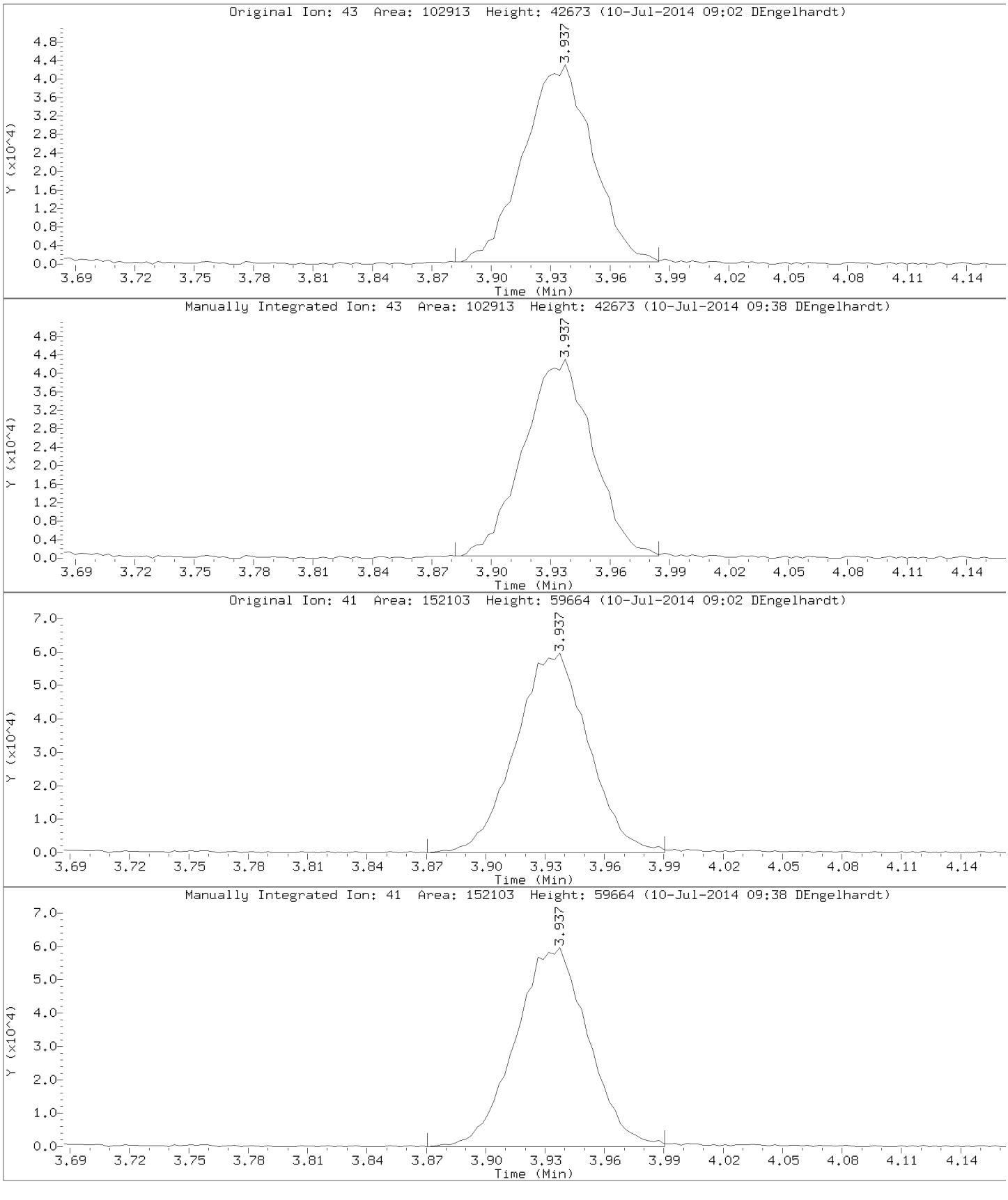
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6,72092:0

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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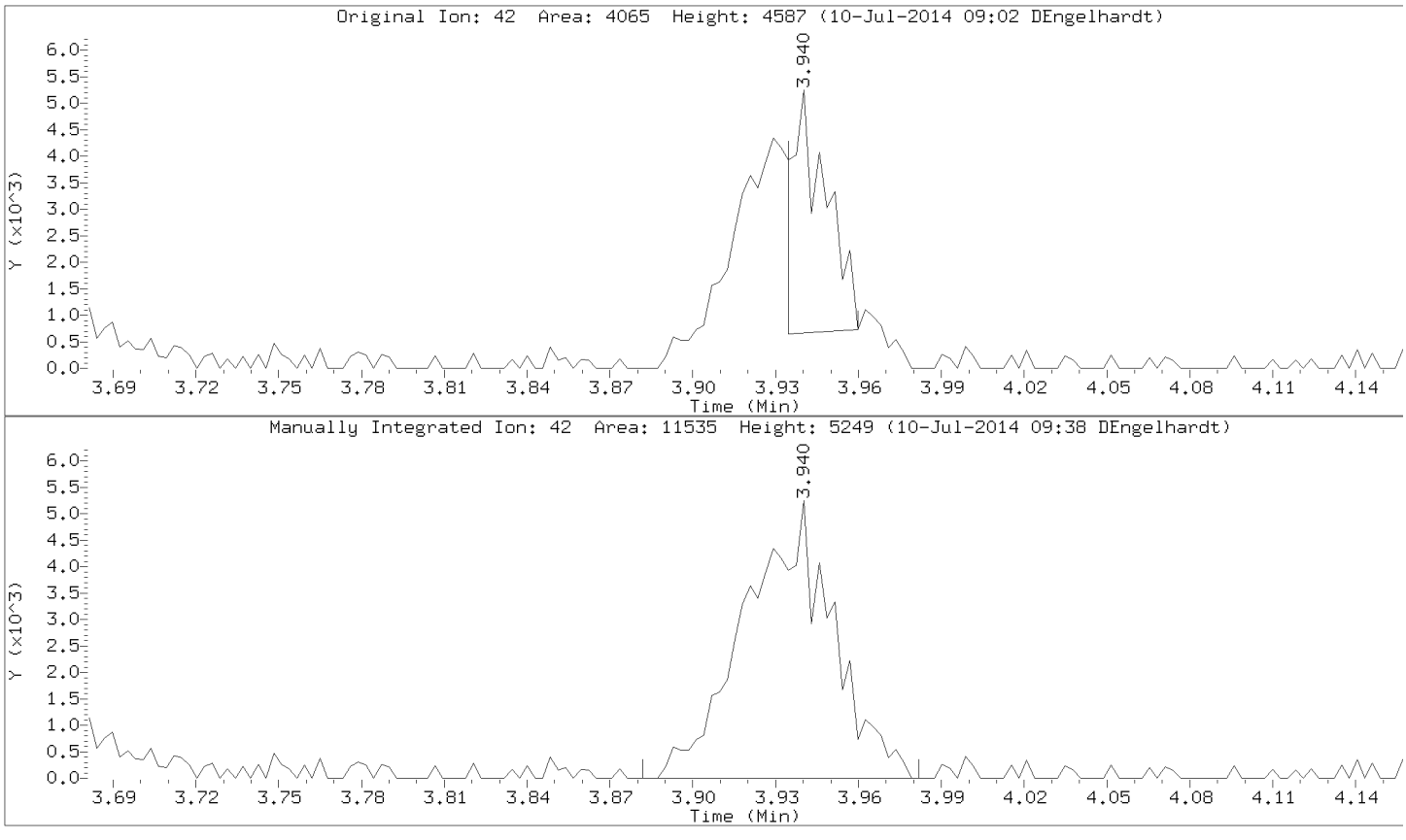
Lab Sample ID: 8260-CAL6,72092:0



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Instrument: 50mv2a.i
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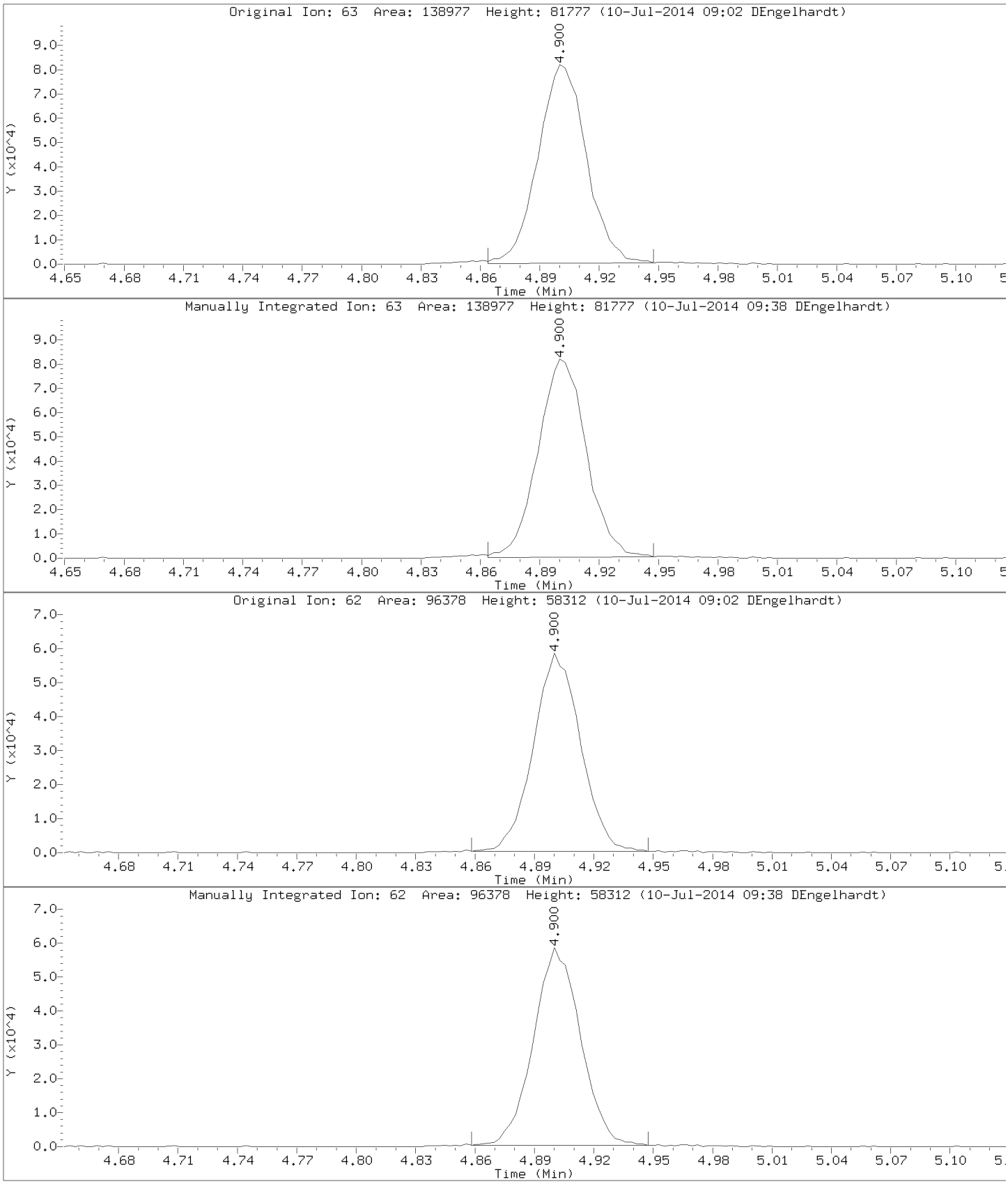
Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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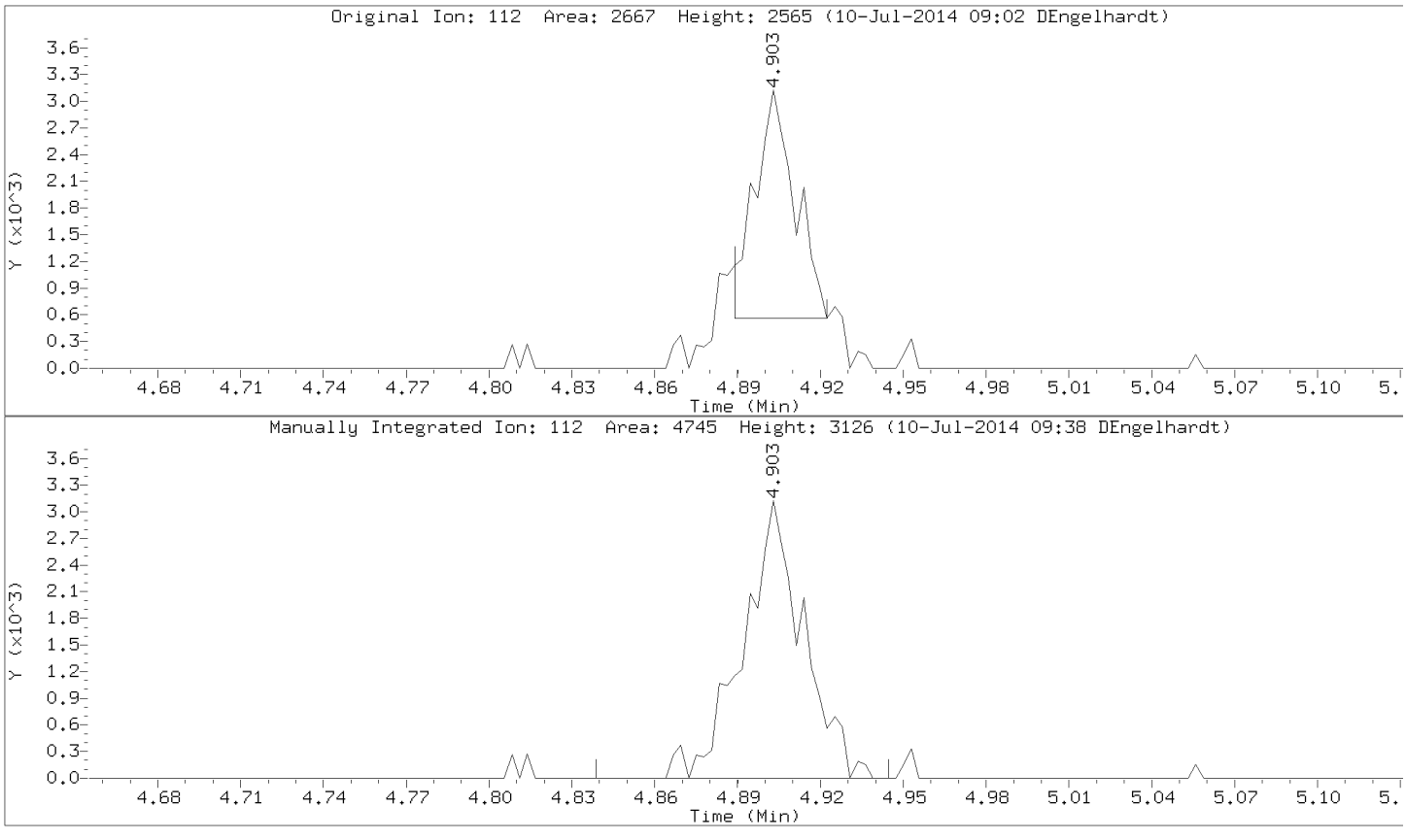

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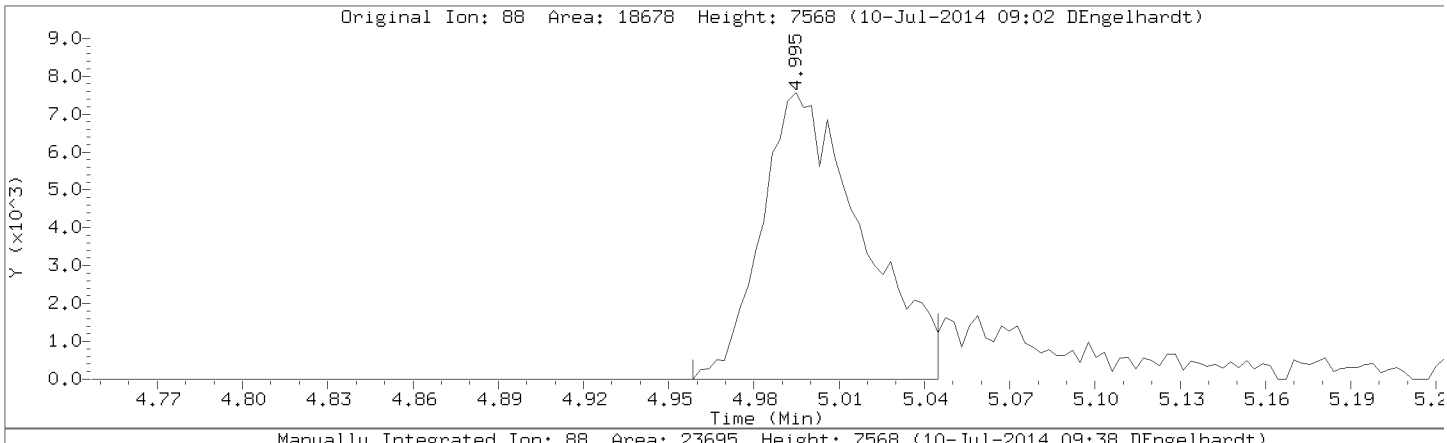
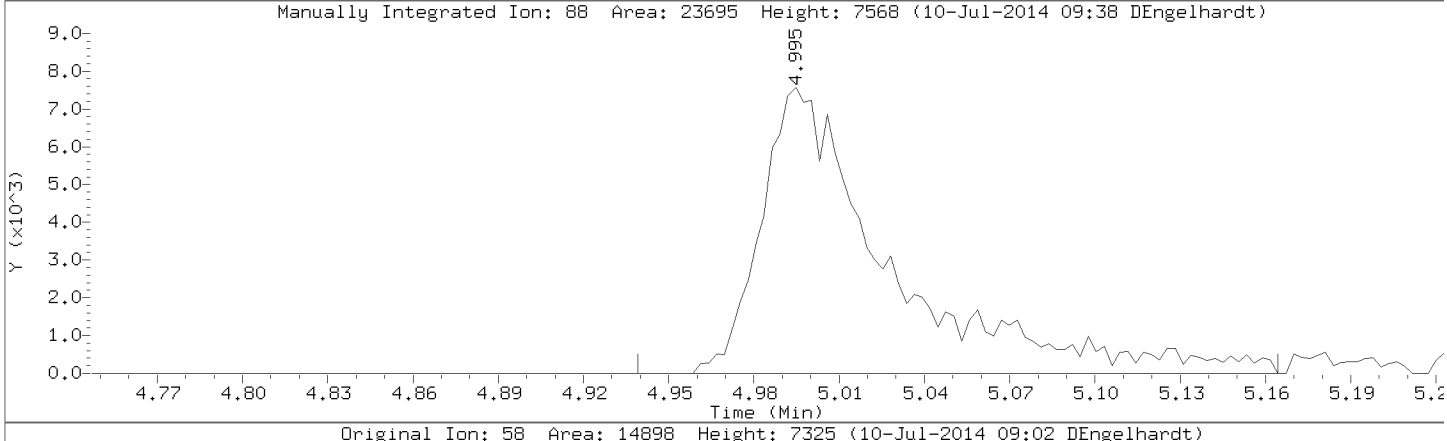
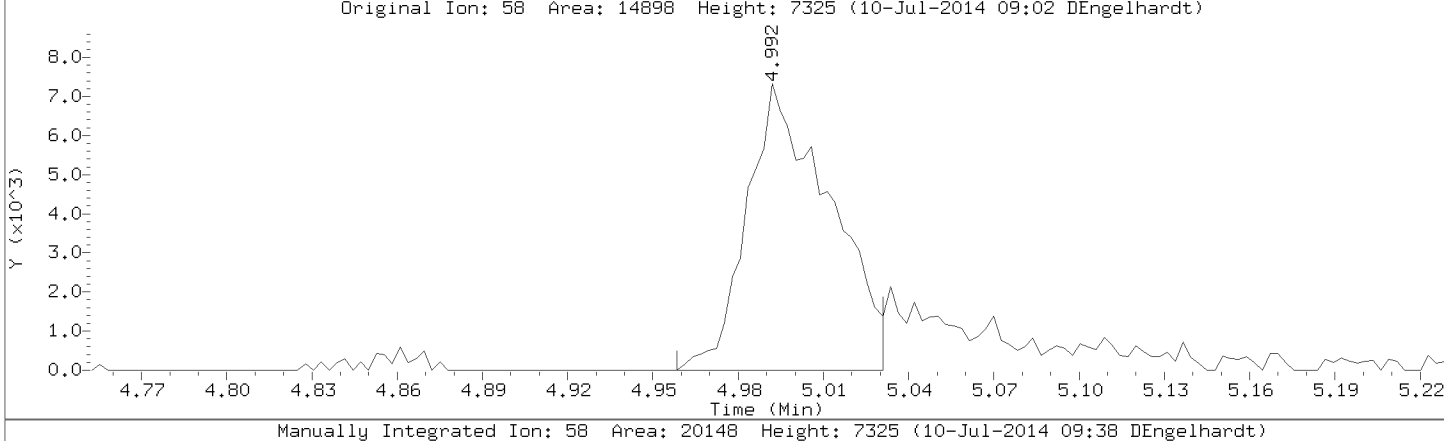
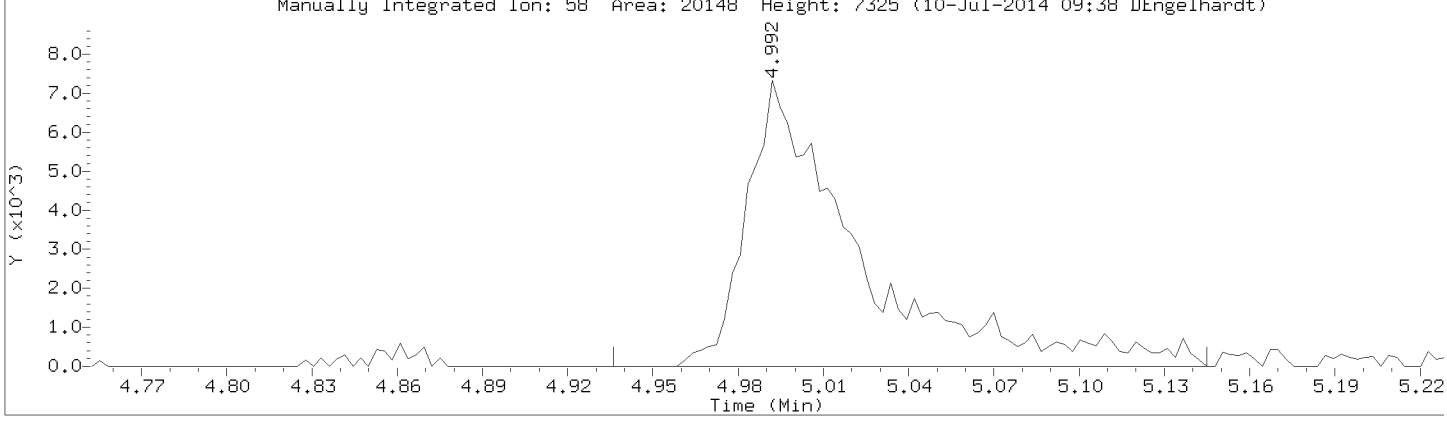
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL6,72092:0

Compound: 1,4-Dioxane
CAS Number:









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Misc Info : 66623
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Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 13 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)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	532938	150.000	138	
2	Chloromethane	50	1.024	1.024	(0.246)	574483	150.000	132	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	513791	150.000	137	
4	Bromomethane	94	1.210	1.213	(0.291)	153136	150.000	162	
5	Chloroethane	64	1.257	1.260	(0.303)	253787	150.000	115	
6	Trichlorofluoromethane	101	1.369	1.372	(0.329)	701769	150.000	139	
7	Diethyl ether	74	1.494	1.494	(0.359)	206506	150.000	143	
8	1,2-dichlorotrifluoroethane	67	1.511	1.511	(0.363)	468890	150.000	137	
9	Acrolein	56	1.566	1.566	(0.377)	1292482	3000.00	2770	
10	1,1,2trichlorotrifluoroethane	101	1.616	1.616	(0.389)	338777	150.000	138	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	312640	150.000	143	
12	Acetone	43	1.633	1.630	(0.393)	845257	750.000	578	
13	Iodomethane	142	1.708	1.708	(0.411)	639084	300.000	376	
14	Carbon Disulfide	76	1.753	1.753	(0.422)	1940139	300.000	302	
15	Methyl Acetate	43	1.797	1.797	(0.432)	431813	150.000	132	
16	Acetonitrile	39	1.814	1.814	(0.436)	1102778	150.000	142	
17	allyl chloride	41	1.814	1.814	(0.436)	1464413	300.000	282	
18	Methylene Chloride	84	1.886	1.886	(0.454)	337593	150.000	39.6	
19	tert-Butyl Alcohol	59	1.934	1.922	(0.465)	88710	300.000	264	
20	Acrylonitrile	53	2.025	2.020	(0.487)	3835901	3000.00	2780	
21	Methyl-tert-butyl ether	73	2.048	2.045	(0.493)	2122101	300.000	298	
22	1,2-Dichloroethene (trans)	96	2.056	2.056	(0.495)	330981	150.000	144	
23	n-Hexane	57	2.237	2.237	(0.538)	687380	150.000	139	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	4720661	600.000	658	
	25 1,1-Dichloroethane	63	2.356	2.357	(0.567)	776098	150.000	151	
	26 Chloroprene	53	2.409	2.412	(0.580)	852085	150.000	143	
	28 2-Butanone	43	2.813	2.810	(0.677)	1478153	750.000	702	
	29 1,2-Dichloroethene (cis)	96	2.821	2.824	(0.679)	430753	150.000	135	
	30 2,2-Dichloropropane	77	2.832	2.830	(0.681)	420862	150.000	205	
	31 Propionitrile	54	2.868	2.866	(0.690)	91747	150.000	179(Q)	
	32 Methacrylonitrile	41	3.016	3.013	(0.726)	368463	600.000	573	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	397752	150.000	120	
	34 Tetrahydrofuran	42	3.069	3.066	(0.738)	164206	150.000	81.7	
	35 Chloroform	83	3.160	3.161	(0.760)	724951	150.000	153	
$	36 Dibromofluoromethane (S)	113	3.330	3.333	(0.801)	108078	50.0000	51.2	
	37 1,1,1-Trichloroethane	97	3.333	3.339	(0.802)	568304	150.000	197	
	38 cyclohexane	56	3.414	3.414	(0.821)	885586	150.000	146	
	39 Carbon Tetrachloride	117	3.511	3.511	(0.845)	387448	150.000	240	
	40 1,1-Dichloropropene	75	3.519	3.520	(0.847)	600640	150.000	156	
	41 Benzene	78	3.761	3.759	(0.905)	1541279	150.000	141	
	42 1,2-Dichloroethane	62	3.848	3.848	(0.926)	675918	150.000	151	
	43 2,2,4-Trimethylpentane	57	3.934	3.931	(0.946)	1590612	150.000	153	
	44 Isobutyl alcohol	43	3.928	3.934	(0.945)	321990	150.000	149	
*	45 Fluorobenzene	96	4.157	4.159	(1.000)	449518	50.0000		
	47 Trichloroethene	95	4.599	4.602	(1.106)	411159	150.000	137	
	48 Methylcyclohexane	55	4.858	4.858	(1.169)	683739	150.000	151	
	49 1,2-Dichloropropane	63	4.902	4.899	(1.179)	453615	150.000	159	
	50 1,4-Dioxane	88	4.997	4.997	(1.202)	79122	150.000	225	
	51 Dibromomethane	93	4.991	4.989	(1.201)	239581	150.000	159	
	52 Methyl methacrylate	69	5.011	5.008	(1.205)	294916	150.000	188	
	53 Bromodichloromethane	83	5.208	5.208	(1.253)	485520	150.000	206	
	54 2-Chloroethyl vinyl ether	63	5.545	5.542	(0.765)	603472	300.000	329	
	55 cis-1,3-Dichloropropene	75	5.678	5.679	(0.784)	560747	150.000	249	
	56 4-Methyl-2-Pentanone	43	5.848	5.845	(0.807)	2864762	750.000	822	
$	57 Toluene-d8	98	5.937	5.934	(0.820)	445759	50.0000	50.4	
	58 Toluene	91	6.007	6.004	(0.829)	1696368	150.000	146	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	445168	150.000	274	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	538721	150.000	193	
	61 1,1,2-Trichloroethane	83	6.457	6.458	(0.891)	278379	150.000	144	
	62 Tetrachloroethene	166	6.505	6.505	(0.898)	343743	150.000	147	
	63 1,3-Dichloropropane	76	6.599	6.599	(0.911)	616967	150.000	147	
	64 2-Hexanone	43	6.672	6.672	(0.921)	2023476	750.000	838	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	288070	150.000	263	
	66 1,2-Dibromoethane	107	6.866	6.867	(0.948)	325606	150.000	181	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	306431	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	971691	150.000	146	
	69 1,1,1,2-Tetrachloroethane	131	7.351	7.348	(1.015)	292555	150.000	253	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	568085	150.000	148	
	71 m&p-Xylene	106	7.462	7.459	(1.030)	1348493	300.000	301	
	72 o-Xylene	106	7.729	7.729	(1.067)	643558	150.000	159	
	73 Styrene	104	7.748	7.746	(1.069)	1112352	150.000	161	
	74 Bromoform	173	7.865	7.865	(0.891)	152418	150.000	263	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	1746930	150.000	159	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	181302	50.0000	52.8	
	78 Bromobenzene	77	8.182	8.180	(1.129)	727904	150.000	154	
	79 1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.929)	441093	150.000	153	
	80 trans-1,4-Dichloro-2-butene	53	8.227	8.224	(1.136)	150492	150.000	176(Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81 1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	145682	150.000	149	
82 n-Propylbenzene	91	8.263	8.260	(0.936)	2244409	150.000	147	
83 2-Chlorotoluene	91	8.310	8.308	(0.942)	1328508	150.000	147	
84 1,3,5-Trimethylbenzene	105	8.383	8.380	(0.950)	1500093	150.000	154	
85 4-Chlorotoluene	126	8.391	8.388	(0.951)	387593	150.000	143	
86 tert-Butylbenzene	119	8.575	8.572	(0.972)	1378617	150.000	163	
87 1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	1535089	150.000	151	
88 sec-Butylbenzene	105	8.711	8.708	(0.987)	1837321	150.000	158	
89 1,3-Dichlorobenzene	146	8.775	8.772	(0.994)	687441	150.000	142	
90 p-Isopropyltoluene	119	8.806	8.803	(0.998)	1565986	150.000	163	
* 91 1,4-Dichlorobenzene-d4	152	8.825	8.822	(1.000)	146728	50.0000		
92 1,4-Dichlorobenzene	146	8.839	8.836	(1.002)	703821	150.000	139	
93 n-Butylbenzene	91	9.042	9.042	(1.025)	1556980	150.000	163	
94 1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	619130	150.000	143	
95 1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	57490	150.000	350	
96 1,2,4-Trichlorobenzene	180	9.944	9.941	(1.127)	356731	150.000	171	
97 Hexachlorobutadiene	225	10.021	10.022	(1.136)	174725	150.000	147	
98 Naphthalene	128	10.085	10.086	(1.143)	1198016	150.000	182	
99 1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	327847	150.000	173	
100 2,methyl-naphthalene	142	10.689	10.687	(1.211)	420060	150.000	338	
101 1-Methylnaphthalene	142	10.781	10.781	(1.222)	339580	150.000	295	

QC Flag Legend

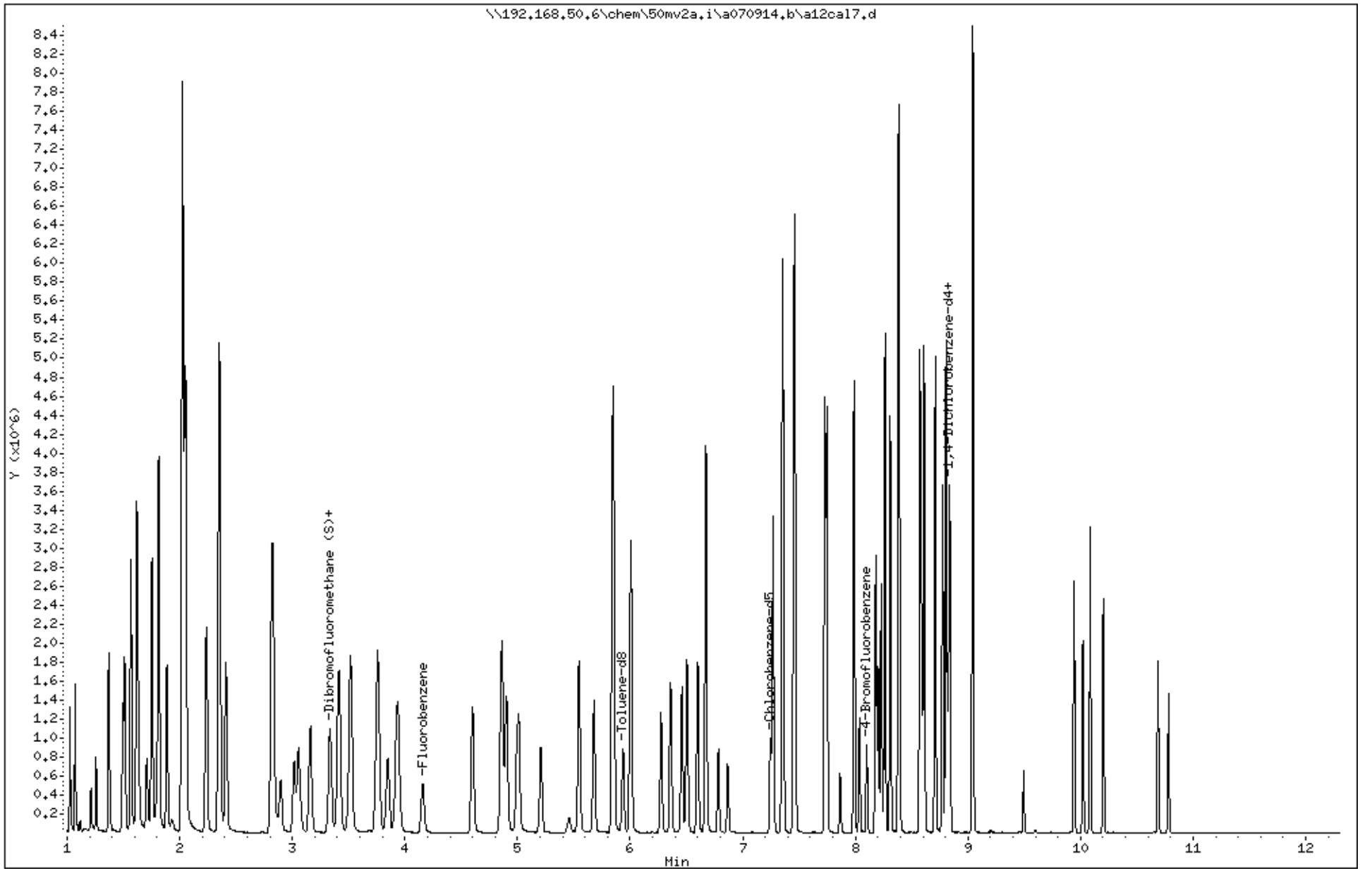
Q - Qualifier signal failed the ratio test.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a12cal7.d
Date : 09-JUL-2014 19:36
Client ID: 8260-CAL7,72093:0
Sample Info: 8260-CAL7,72093:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a12cal7.d
Injection Date: 09-JUL-2014 19:36
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL7,72093:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a13cal8.d
Lab Smp Id: 8260-CAL8,72094:0 Client Smp ID: 8260-CAL8,72094:0
Inj Date : 09-JUL-2014 20:09
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-cal8,72094:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\A070914.B\-a8260_a_c.m
Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 30-JUN-2014 15:25 Cal File: a09cal1.d
Als bottle: 14 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)	REVIEW C
1	Dichlorodifluoromethane	85	0.943	0.946	(0.227)	1100163	300.000	280	
2	Chloromethane	50	1.021	1.024	(0.246)	1323848	300.000	300	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	1076412	300.000	283	
4	Bromomethane	94	1.207	1.213	(0.291)	299003	300.000	305	
5	Chloroethane	64	1.252	1.260	(0.301)	474422	300.000	216	
6	Trichlorofluoromethane	101	1.366	1.372	(0.329)	1289596	300.000	251	
7	Diethyl ether	74	1.491	1.494	(0.359)	403558	300.000	274	
8	1,2-dichlorotrifluoroethane	67	1.508	1.511	(0.363)	929529	300.000	267	
9	Acrolein	56	1.564	1.566	(0.376)	2599881	6000.00	5490	
10	1,1,2trichlorotrifluoroethane	101	1.611	1.616	(0.388)	676125	300.000	271	
11	1,1-Dichloroethene	96	1.616	1.622	(0.389)	622681	300.000	278	
12	Acetone	43	1.633	1.630	(0.393)	1710027	1500.00	1180	
13	Iodomethane	142	1.705	1.708	(0.411)	1396835	600.000	772	
14	Carbon Disulfide	76	1.747	1.753	(0.421)	3995003	600.000	605	
15	Methyl Acetate	43	1.797	1.797	(0.433)	868401	300.000	263	
16	Acetonitrile	39	1.811	1.814	(0.436)	2092289	300.000	264	
17	allyl chloride	41	1.811	1.814	(0.436)	2776487	600.000	525	
18	Methylene Chloride	84	1.883	1.886	(0.454)	692565	300.000	88.3	
19	tert-Butyl Alcohol	59	1.945	1.922	(0.468)	192311	600.000	567	
20	Acrylonitrile	53	2.025	2.020	(0.488)	7876986	6000.00	5610	
21	Methyl-tert-butyl ether	73	2.048	2.045	(0.493)	4533270	600.000	621	
22	1,2-Dichloroethene (trans)	96	2.053	2.056	(0.494)	678728	300.000	289	
23	n-Hexane	57	2.231	2.237	(0.537)	1410830	300.000	280	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	9912468	1200.00	1320	
	25 1,1-Dichloroethane	63	2.356	2.357	(0.567)	1527837	300.000	289	
	26 Chloroprene	53	2.409	2.412	(0.580)	1753168	300.000	289	
	28 2-Butanone	43	2.816	2.810	(0.678)	3149982	1500.00	1470	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.680)	879232	300.000	271	
	30 2,2-Dichloropropane	77	2.829	2.830	(0.681)	976419	300.000	440	
	31 Propionitrile	54	2.871	2.866	(0.691)	201501	300.000	373	
	32 Methacrylonitrile	41	3.019	3.013	(0.727)	766634	1200.00	1170	
	33 Bromochloromethane	49	3.052	3.052	(0.735)	786918	300.000	238	
	34 Tetrahydrofuran	42	3.069	3.066	(0.739)	333817	300.000	173	
	35 Chloroform	83	3.158	3.161	(0.760)	1529363	300.000	312	
$	36 Dibromofluoromethane (S)	113	3.330	3.333	(0.802)	112141	50.0000	51.5	
	37 1,1,1-Trichloroethane	97	3.330	3.339	(0.802)	1288203	300.000	416	
	38 cyclohexane	56	3.411	3.414	(0.821)	1838752	300.000	296	
	39 Carbon Tetrachloride	117	3.508	3.511	(0.845)	920064	300.000	511	
	40 1,1-Dichloropropene	75	3.517	3.520	(0.847)	1257231	300.000	316	
	41 Benzene	78	3.759	3.759	(0.905)	3207164	300.000	288	
	42 1,2-Dichloroethane	62	3.848	3.848	(0.926)	1411769	300.000	306	
	43 2,2,4-Trimethylpentane	57	3.928	3.931	(0.946)	3411750	300.000	318	
	44 Isobutyl alcohol	43	3.931	3.934	(0.946)	672211	300.000	302	
*	45 Fluorobenzene	96	4.154	4.159	(1.000)	462148	50.0000		
	47 Trichloroethene	95	4.599	4.602	(1.107)	871740	300.000	286	
	48 Methylcyclohexane	55	4.858	4.858	(1.169)	1454081	300.000	313	
	49 1,2-Dichloropropane	63	4.902	4.899	(1.180)	969268	300.000	328	
	50 1,4-Dioxane	88	5.016	4.997	(1.208)	179571	300.000	458(M)	
	51 Dibromomethane	93	4.988	4.989	(1.201)	501975	300.000	322	
	52 Methyl methacrylate	69	5.011	5.008	(1.206)	637842	300.000	382	
	53 Bromodichloromethane	83	5.208	5.208	(1.254)	1092102	300.000	429	
	54 2-Chloroethyl vinyl ether	63	5.548	5.542	(0.765)	1295525	600.000	671	
	55 cis-1,3-Dichloropropene	75	5.678	5.679	(0.783)	1277865	300.000	500	
	56 4-Methyl-2-Pentanone	43	5.851	5.845	(0.807)	6126118	1500.00	1670	
$	57 Toluene-d8	98	5.937	5.934	(0.819)	459943	50.0000	50.0	
	58 Toluene	91	6.007	6.004	(0.829)	3547723	300.000	295	
	59 trans-1,3-Dichloropropene	75	6.277	6.274	(0.866)	1072401	300.000	568	
	60 Ethyl Methacrylate	69	6.363	6.357	(0.878)	1163744	300.000	385	
	61 1,1,2-Trichloroethane	83	6.460	6.458	(0.891)	580884	300.000	291	
	62 Tetrachloroethene	166	6.508	6.505	(0.898)	715292	300.000	296	
	63 1,3-Dichloropropane	76	6.599	6.599	(0.911)	1297852	300.000	298	
	64 2-Hexanone	43	6.677	6.672	(0.921)	4367245	1500.00	1710	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	673049	300.000	535	
	66 1,2-Dibromoethane	107	6.869	6.867	(0.948)	701166	300.000	365	
*	67 Chlorobenzene-d5	117	7.248	7.245	(1.000)	318040	50.0000		
	68 Chlorobenzene	112	7.270	7.267	(1.003)	2047751	300.000	298	
	69 1,1,1,2-Tetrachloroethane	131	7.353	7.348	(1.015)	671940	300.000	511	
	70 Ethylbenzene	106	7.359	7.356	(1.015)	1175329	300.000	295	
	71 m&p-Xylene	106	7.462	7.459	(1.030)	2809490	600.000	604	
	72 o-Xylene	106	7.729	7.729	(1.066)	1330724	300.000	314	
	73 Styrene	104	7.748	7.746	(1.069)	2378755	300.000	328	
	74 Bromoform	173	7.865	7.865	(0.891)	378797	300.000	573	
	75 Isopropylbenzene	105	7.991	7.988	(1.102)	3717265	300.000	324	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	193378	50.0000	53.8	
	78 Bromobenzene	77	8.182	8.180	(1.129)	1559310	300.000	316	
	79 1,1,2,2-Tetrachloroethane	83	8.205	8.202	(0.930)	952130	300.000	320	
	80 trans-1,4-Dichloro-2-butene	53	8.227	8.224	(1.135)	356827	300.000	392	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
81	1,2,3-Trichloropropane	110	8.235	8.233	(0.933)	310182	300.000	308	
82	n-Propylbenzene	91	8.263	8.260	(0.936)	4686805	300.000	299	
83	2-Chlorotoluene	91	8.310	8.308	(0.942)	2913928	300.000	314	
84	1,3,5-Trimethylbenzene	105	8.383	8.380	(0.950)	3128314	300.000	311	
85	4-Chlorotoluene	126	8.391	8.388	(0.951)	809414	300.000	292	
86	tert-Butylbenzene	119	8.575	8.572	(0.972)	2889016	300.000	327	
87	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	3209122	300.000	306	
88	sec-Butylbenzene	105	8.711	8.708	(0.987)	3781024	300.000	312	
89	1,3-Dichlorobenzene	146	8.775	8.772	(0.994)	1454379	300.000	293	
90	p-Isopropyltoluene	119	8.806	8.803	(0.998)	3193387	300.000	318	
* 91	1,4-Dichlorobenzene-d4	152	8.825	8.822	(1.000)	151225	50.0000	(Q)	
92	1,4-Dichlorobenzene	146	8.839	8.836	(1.002)	1461612	300.000	284	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	3157646	300.000	317	
94	1,2-Dichlorobenzene	146	9.045	9.042	(1.025)	1275648	300.000	288	
95	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	135803	300.000	673	
96	1,2,4-Trichlorobenzene	180	9.944	9.941	(1.127)	732801	300.000	334	
97	Hexachlorobutadiene	225	10.022	10.022	(1.136)	364359	300.000	298	
98	Naphthalene	128	10.086	10.086	(1.143)	2541861	300.000	364	
99	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	688375	300.000	345	
100	2,methyl-naphthalene	142	10.689	10.687	(1.211)	927749	300.000	615	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	726626	300.000	538	

QC Flag Legend

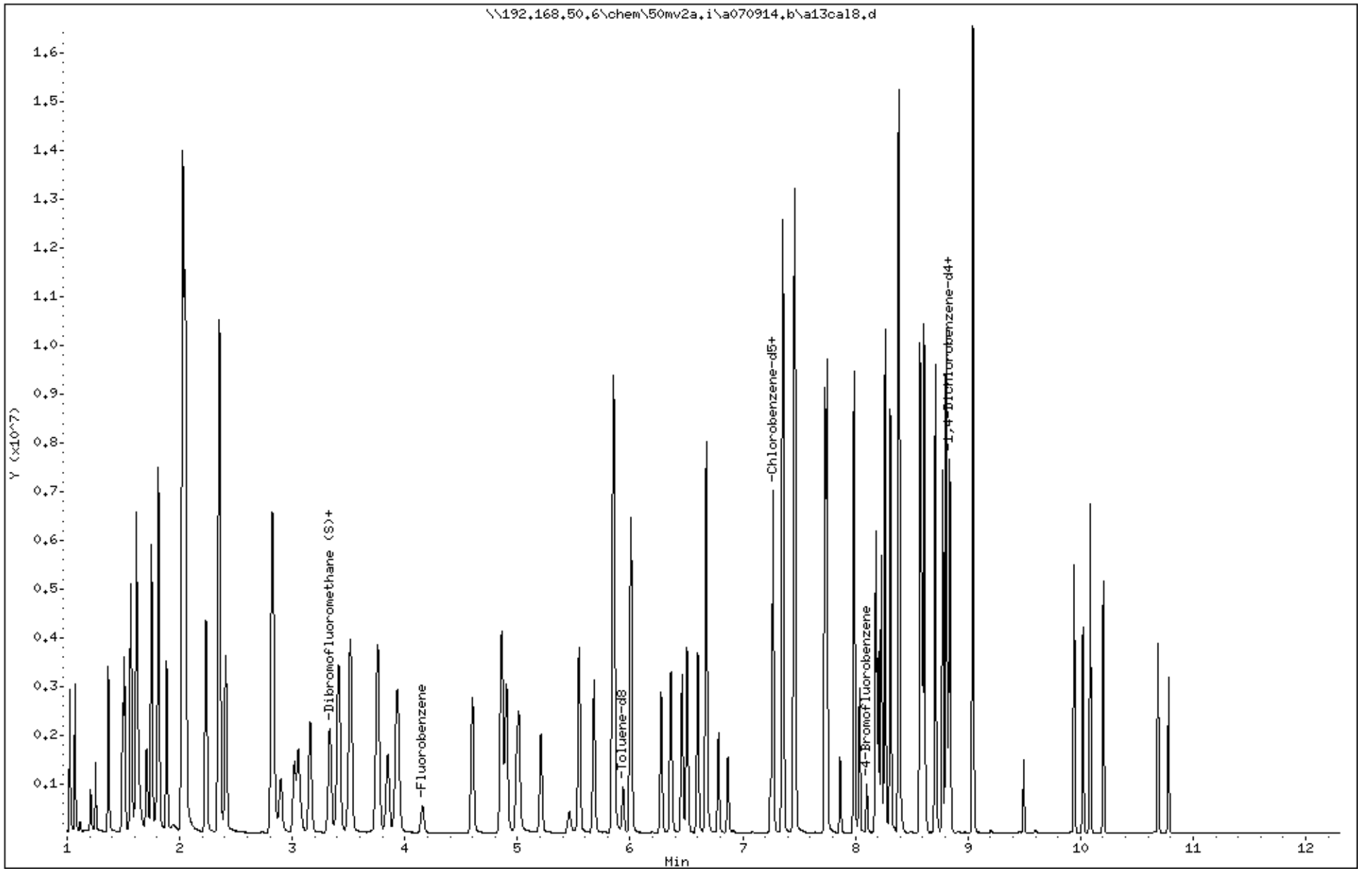
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a13cal8.d
Date : 09-JUL-2014 20:09
Client ID: 8260-CAL8,72094:0
Sample Info: 8260-CAL8,72094:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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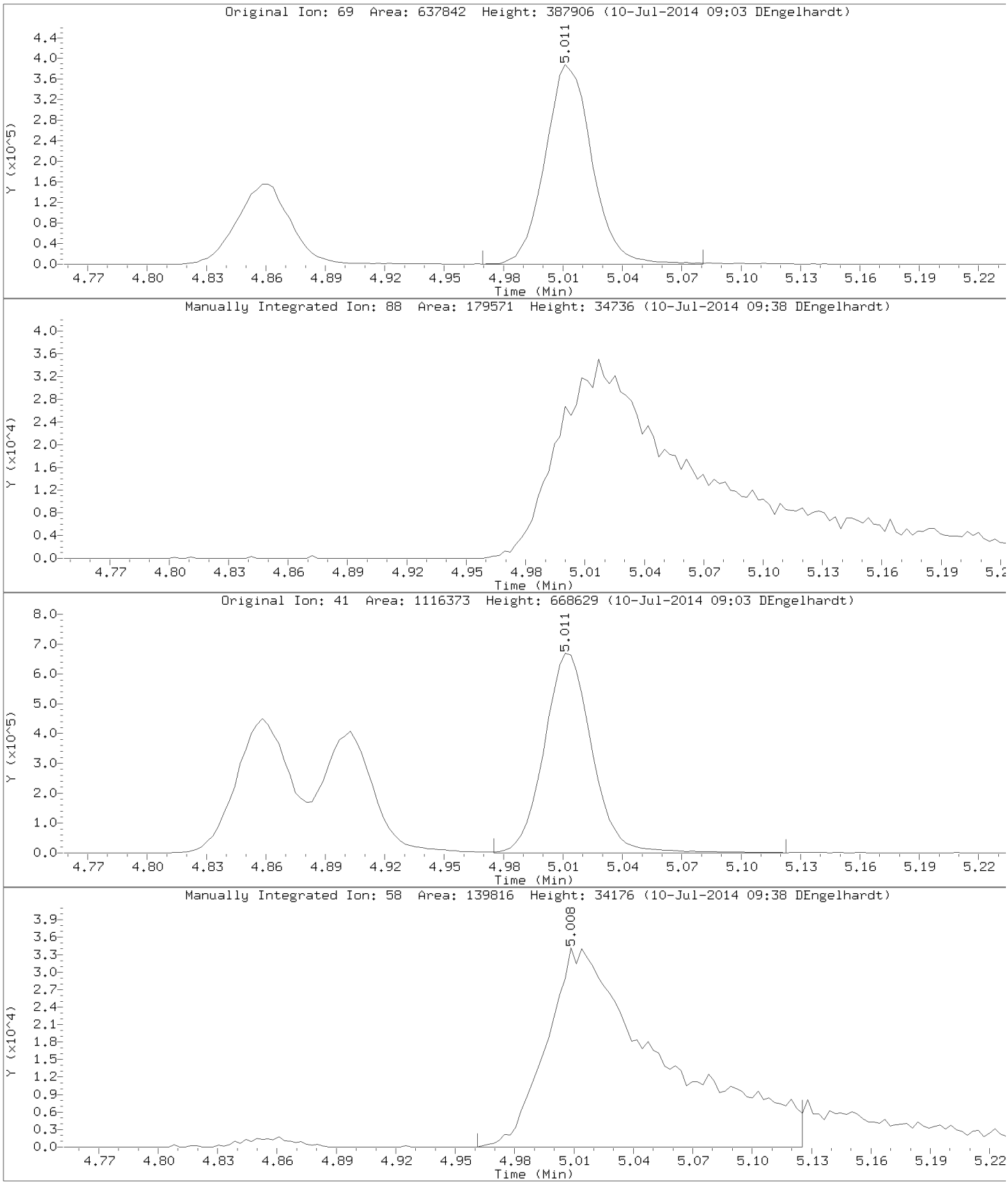
Injection Date: 09-JUL-2014 20:09
Instrument: 50mv2a.i
Lab Sample ID: 8260-CAL8,72094:0

Compound: 1,4-Dioxane
CAS Number:



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a02.d
Lab Smp Id: 8260-CAL1 Client Smp ID: 8260-CAL1
Inj Date : 04-JUL-2014 00:17
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal1,71909:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.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)	AMOUNTS ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	1.010	1.016	(0.196)	3570	0.50000	0.487(M)	BA
2	Chloromethane	50	1.139	1.157	(0.221)	5034	0.50000	0.636(M)	LT
3	Vinyl Chloride	62	1.180	1.181	(0.229)	3622	0.50000	0.585	
4	Bromomethane	94	1.375	1.375	(0.267)	1584	0.50000	0.0503(M)	NI
5	Chloroethane	64	1.439	1.433	(0.279)	2160	0.50000	0.636(M)	NI
6	Trichlorofluoromethane	101	1.592	1.592	(0.309)	5028	0.50000	0.606	
7	Diethyl ether	74	1.786	1.786	(0.347)	1758	0.50000	0.673(Q)	
8	1,2-dichlorotrifluoroethane	67	1.798	1.798	(0.349)	4572	0.50000	(M)	LT
9	Acrolein	56	1.874	1.875	(0.364)	7470	10.0000	11.6	
10	1,1,2trichlorotrifluoroethane	101	1.951	1.951	(0.379)	2899	0.50000	0.591(Q)	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	2470	0.50000	0.546(Q)	
12	Acetone	43	1.992	1.992	(0.387)	6515	2.50000	4.71(M)	NI
13	Iodomethane	142	2.057	2.057	(0.399)	3769	1.00000		
14	Carbon Disulfide	76	2.098	2.104	(0.407)	14456	1.00000	1.22	
15	Acetonitrile	39	2.227	2.228	(0.432)	8307	0.50000	(QM)	NI
16	allyl chloride	41	2.227	2.228	(0.432)	11468	1.00000		
17	Methyl Acetate	43	2.245	2.251	(0.436)	4227	0.50000	1.53(M)	LT
18	Methylene Chloride	84	2.327	2.328	(0.452)	10143	0.50000	1.39(M)	NI
19	tert-Butyl Alcohol	59	2.463	2.457	(0.478)	754	1.00000	1.95(QM)	NI
20	Acrylonitrile	53	2.557	2.557	(0.496)	18360	10.0000	12.3	
21	1,2-Dichloroethene (trans)	96	2.569	2.569	(0.499)	3226	0.50000	0.634(Q)	
22	Methyl-tert-butyl ether	73	2.580	2.580	(0.501)	14436	1.00000	1.12	
23	n-Hexane	57	2.845	2.845	(0.552)	4133	0.50000	1.88(QM)	LT

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	3.004	2.998	(0.583)	5341	0.50000	0.618	
	25 Vinyl Acetate	43	3.086	3.086	(0.599)	19620	2.00000	2.22(M)	GT
	26 chloroprene	53	3.104	3.098	(0.603)	3670	0.50000	0.533(Q)	
	27 2,2-Dichloropropane	77	3.704	3.704	(0.719)	4185	0.50000	0.590(M)	BA
	28 1,2-Dichloroethene (cis)	96	3.716	3.716	(0.721)	3992	0.50000	0.645(Q)	
	29 2-Butanone	43	3.774	3.774	(0.733)	6316	2.50000	3.05	
	30 Propionitrile	54	3.857	3.863	(0.749)	656	0.50000	3.03(Q)	
	31 Bromochloromethane	49	4.045	4.039	(0.785)	2523	0.50000	0.623(Q)	
	32 Methacrylonitrile	41	4.057	4.057	(0.788)	1853	0.50000	0.532(Q)	
	33 Tetrahydrofuran	42	4.110	4.110	(0.798)	4260	0.50000	1.68	
	34 Chloroform	83	4.174	4.174	(0.810)	6291	0.50000	0.652	
	35 1,1,1-Trichloroethane	97	4.357	4.369	(0.846)	5261	0.50000	0.591(QM)	LT
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.849)	96462	50.0000	52.3	
	37 Cyclohexane	56	4.410	4.416	(0.856)	4953	0.50000	0.615(Q)	
	38 Carbon Tetrachloride	117	4.568	4.563	(0.887)	4309	0.50000	0.613(Q)	
	39 1,1-Dichloropropene	75	4.580	4.574	(0.889)	3845	0.50000	0.537	
	40 Benzene	78	4.815	4.816	(0.935)	11507	0.50000	0.578	
	41 1,2-Dichloroethane	62	4.851	4.851	(0.942)	3790	0.50000	0.539(Q)	
	42 Isobutyl alcohol	43	4.951	4.933	(0.961)	2402	0.50000	3.84(QM)	LT
	43 2,2,4-Trimethylpentane	57	4.939	4.933	(0.959)	6480	0.50000	0.555	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	332831	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.077)	3646	0.50000	0.600(QM)	GT
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	4283	0.50000	0.660(QM)	LT
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	2943	0.50000	0.563	
	48 Dibromomethane	93	5.892	5.892	(1.144)	2262	0.50000	0.643(M)	LT
	49 1,4-Dioxane	88	5.951	5.939	(1.155)	466	10.0000	11.1(QM)	LT
	50 Methyl methacrylate	69	5.962	5.957	(1.158)	2250	0.50000	0.671(Q)	
	51 Bromodichloromethane	83	6.074	6.074	(1.179)	3712	0.50000	0.563(Q)	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	3080	1.00000	0.990(M)	NI
	53 cis-1,3-Dichloropropene	75	6.509	6.515	(0.828)	4110	0.50000	0.507	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	12720	2.50000	2.94	
$	55 Toluene-d8	98	6.751	6.751	(0.859)	355152	50.0000	50.0	
	56 Toluene	91	6.815	6.815	(0.867)	13484	0.50000	0.588	
	57 trans-1,3-Dichloropropene	75	7.045	7.039	(0.896)	3253	0.50000	0.476(Q)	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	3590	0.50000	0.588	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	2349	0.50000	0.579(Q)	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	3914	0.50000	0.575	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	3958	0.50000	0.521	
	62 2-Hexanone	43	7.398	7.398	(0.941)	7768	2.50000	2.63	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	2392	0.50000	0.469	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	2429	0.50000	0.486	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	284998	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	8408	0.50000	0.530(Q)	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	2676	0.50000	0.488(Q)	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	5478	0.50000	0.618(Q)	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	11360	1.00000	1.12(Q)	
	70 o-Xylene	106	8.286	8.286	(1.054)	5848	0.50000	0.582	
	71 Styrene	104	8.298	8.298	(1.055)	8931	0.50000	0.539	
	72 Bromoform	173	8.403	8.404	(0.906)	1713	0.50000	3.71(M)	NI
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	13589	0.50000	0.549	
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.094)	145089	50.0000	51.7	
	75 Bromobenzene	77	8.692	8.686	(1.105)	5028	0.50000	0.546	
	76 1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.937)	2809	0.50000	0.485(QM)	NI
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	946	0.50000	0.525(QM)	NI

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.739	8.733	(1.111)	1382	0.50000	2.28(QM)	WP
79 n-Propylbenzene	91	8.762	8.762	(0.944)	15061	0.50000	0.535	
80 2-Chlorotoluene	91	8.803	8.804	(0.949)	9581	0.50000	0.548	
81 1,3,5-Trimethylbenzene	105	8.862	8.862	(0.955)	12211	0.50000	0.579	
82 4-Chlorotoluene	126	8.868	8.868	(0.956)	3733	0.50000	0.556	
83 tert-Butylbenzene	119	9.051	9.051	(0.975)	12018	0.50000	0.541	
84 1,2,4-Trimethylbenzene	105	9.080	9.080	(0.978)	12240	0.50000	0.561	
85 sec-Butylbenzene	105	9.180	9.180	(0.989)	12928	0.50000	0.528	
86 1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	6092	0.50000	0.505	
87 p-Isopropyltoluene	119	9.262	9.262	(0.998)	12017	0.50000	0.548	
* 88 1,4-Dichlorobenzene-d4	152	9.280	9.280	(1.000)	158837	50.0000		
89 1,4-Dichlorobenzene	146	9.292	9.292	(1.001)	6489	0.50000	0.531(Q)	
90 n-Butylbenzene	91	9.498	9.498	(1.023)	9463	0.50000	0.548(M)	GT
91 1,2-Dichlorobenzene	146	9.503	9.504	(1.024)	6204	0.50000	0.550	
92 1,2-Dibromo-3-chloropropane	155	9.956	9.956	(1.073)	558	0.50000	0.530(M)	WP
93 1,2,4-Trichlorobenzene	180	10.439	10.439	(1.125)	3455	0.50000	0.531	
94 Hexachlorobutadiene	225	10.545	10.539	(1.136)	1779	0.50000	0.572	
95 Naphthalene	128	10.592	10.586	(1.141)	13035	0.50000	0.684	
96 1,2,3-Trichlorobenzene	180	10.739	10.733	(1.157)	3064	0.50000	0.520	
97 2,methyl-naphthalene	142	11.286	11.280	(1.216)	3514	0.50000	0.516	
98 1-Methylnaphthalene	142	11.403	11.398	(2.214)	3388	0.50000	0.555(M)	WP

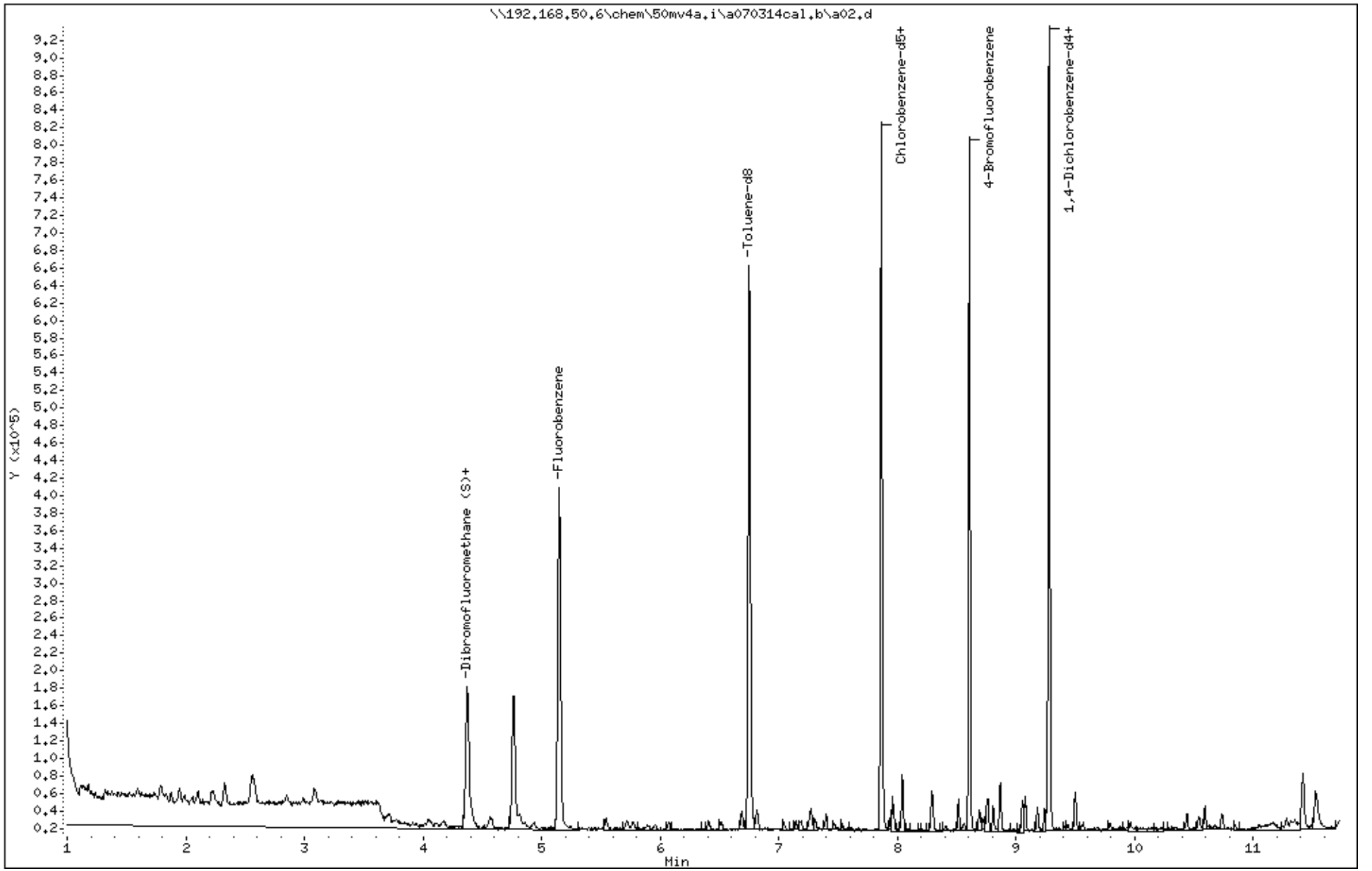
QC Flag Legend

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

Review Codes Legend

BA: Indicates that the baseline had to be adjusted correctly by the analyst.
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
:
NI: Indicates that the peak was not integrated at all by the computer software.
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a02.d
Date : 04-JUL-2014 00:17
Client ID: 8260-CAL1
Instrument: 50mv4a.i
Sample Info: 8260-CAL1,71909:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



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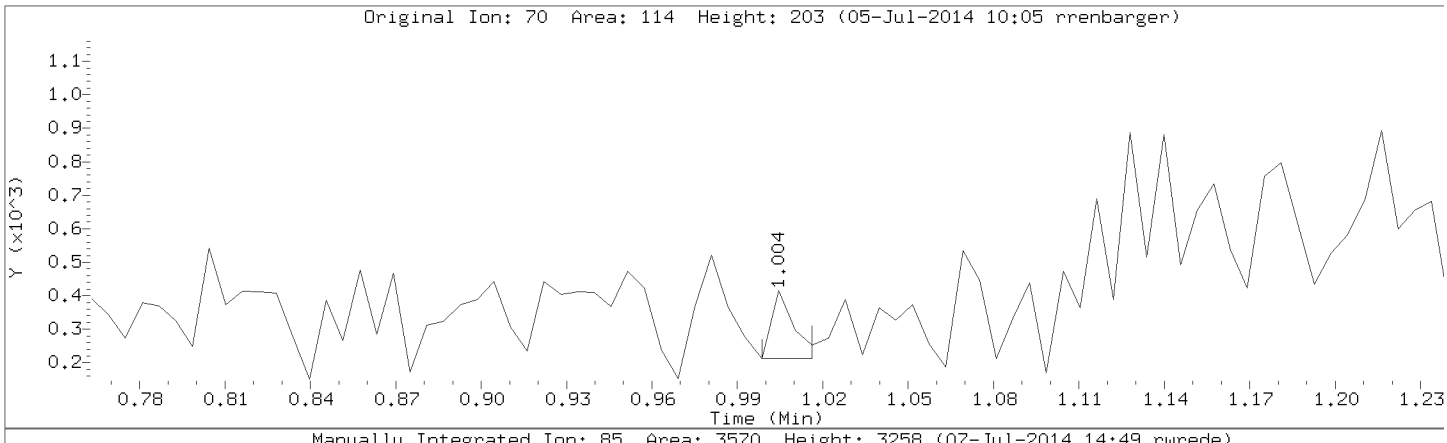
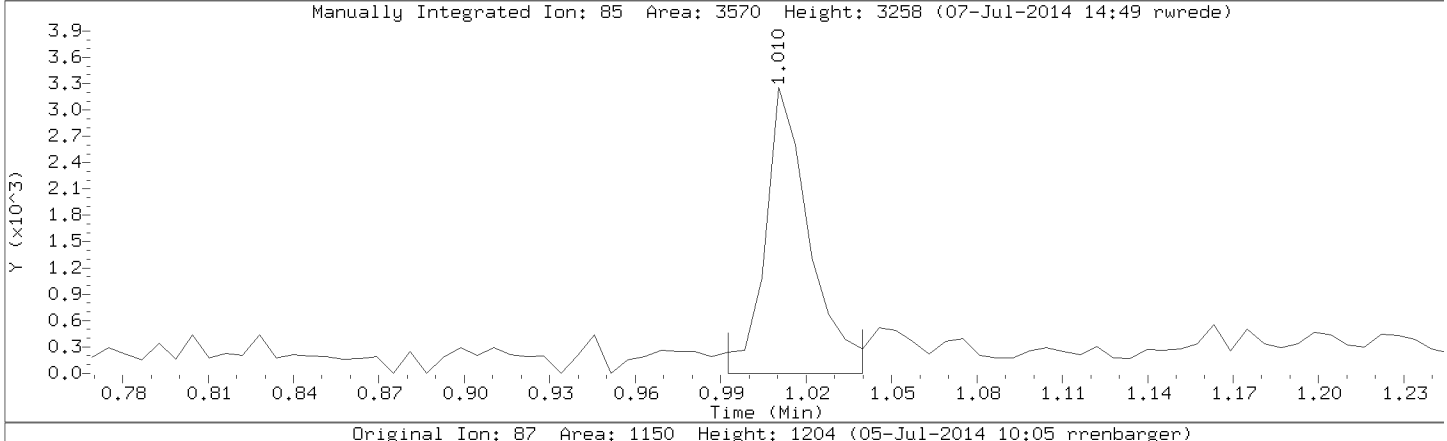
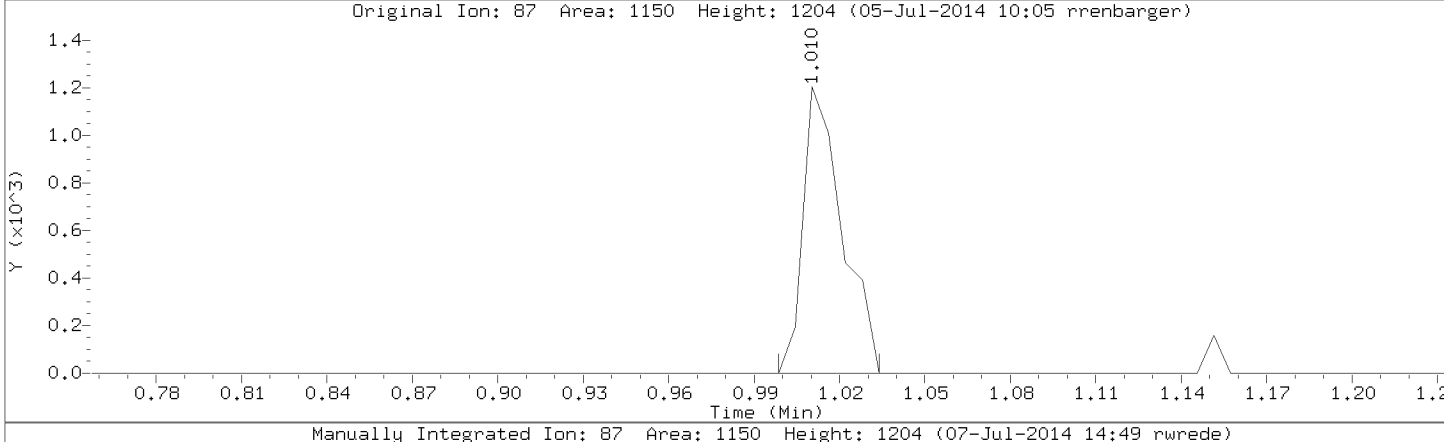
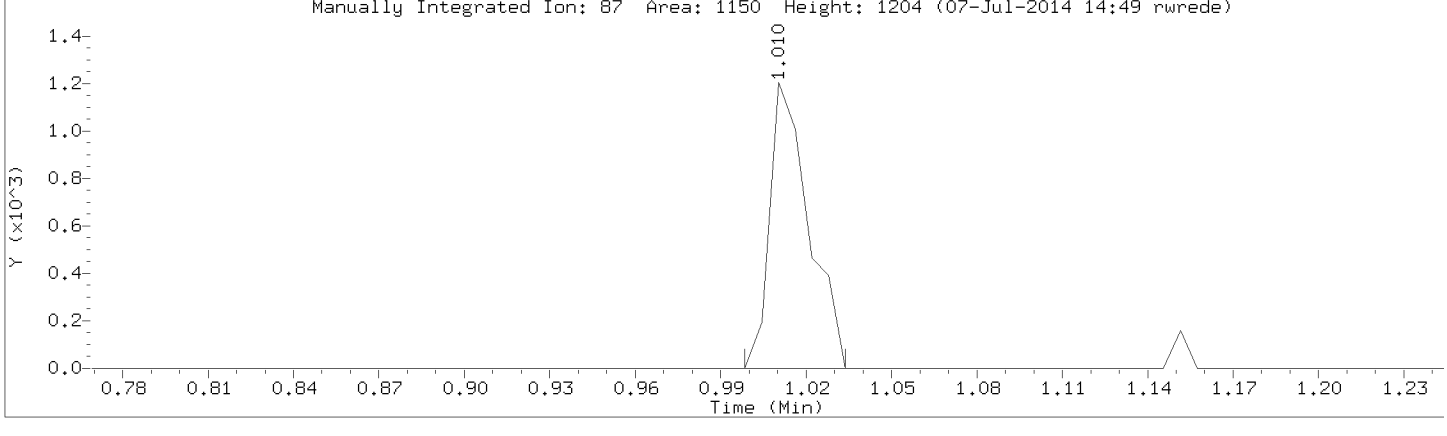
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8









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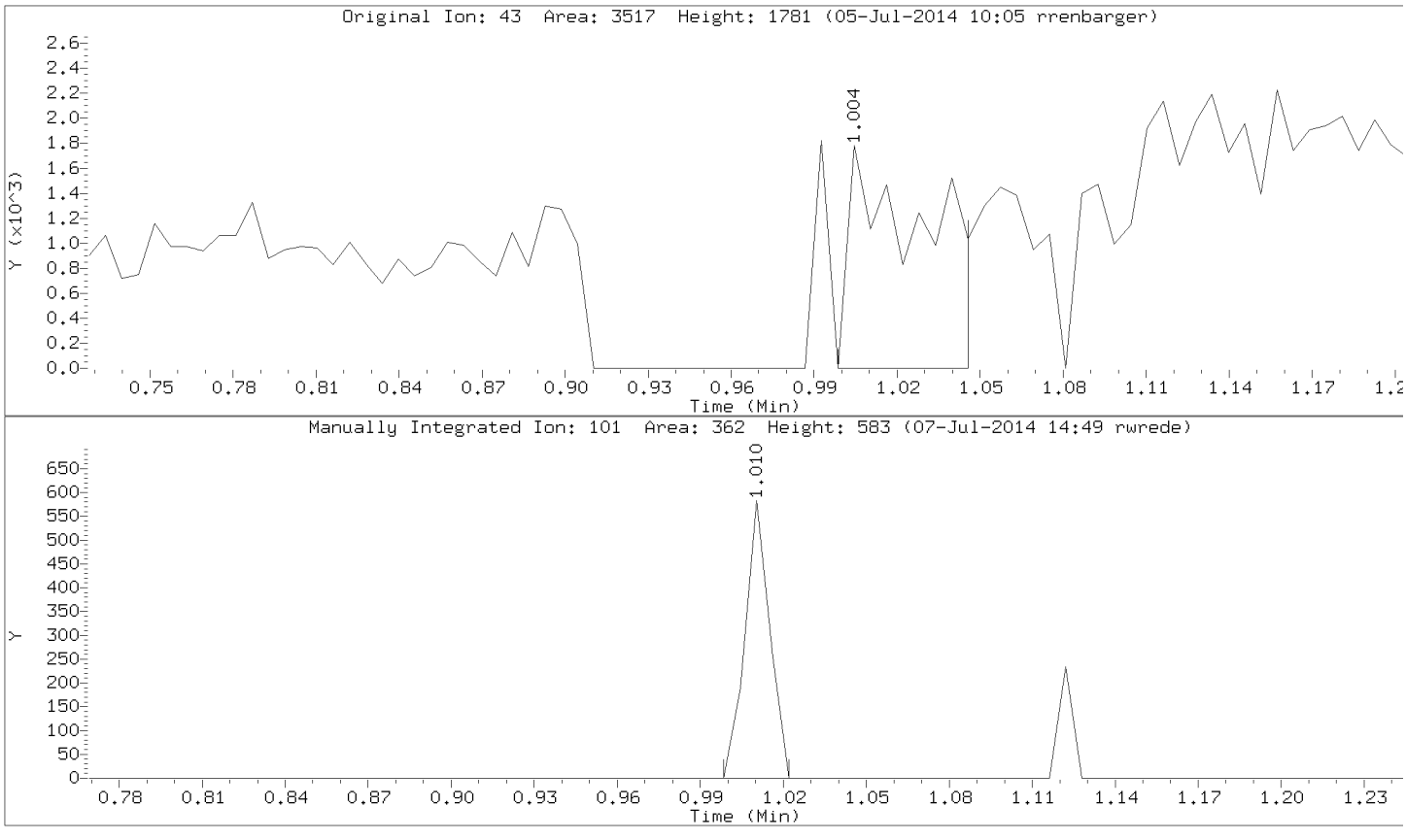
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1



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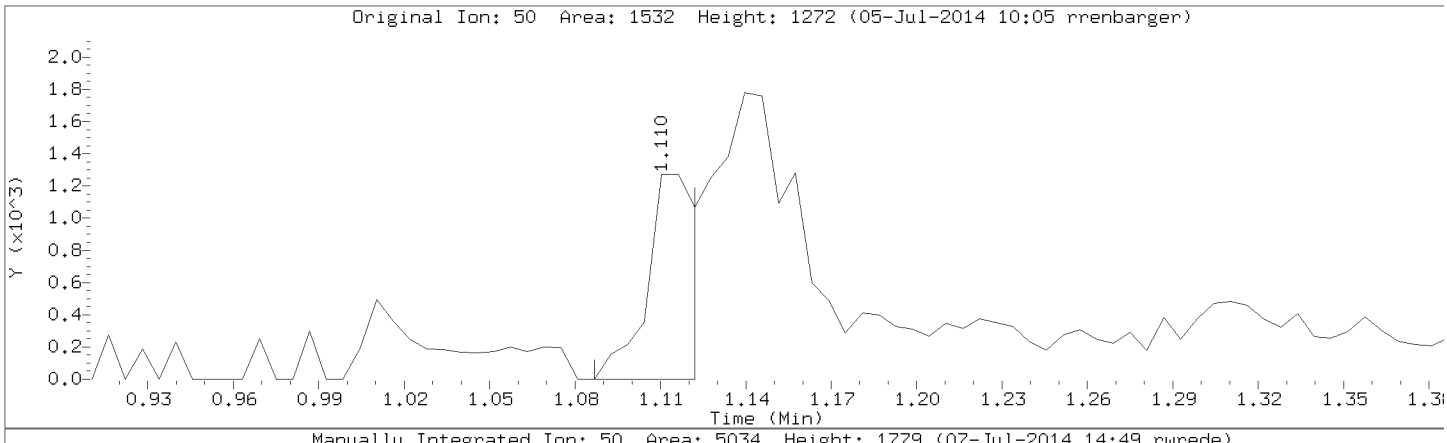
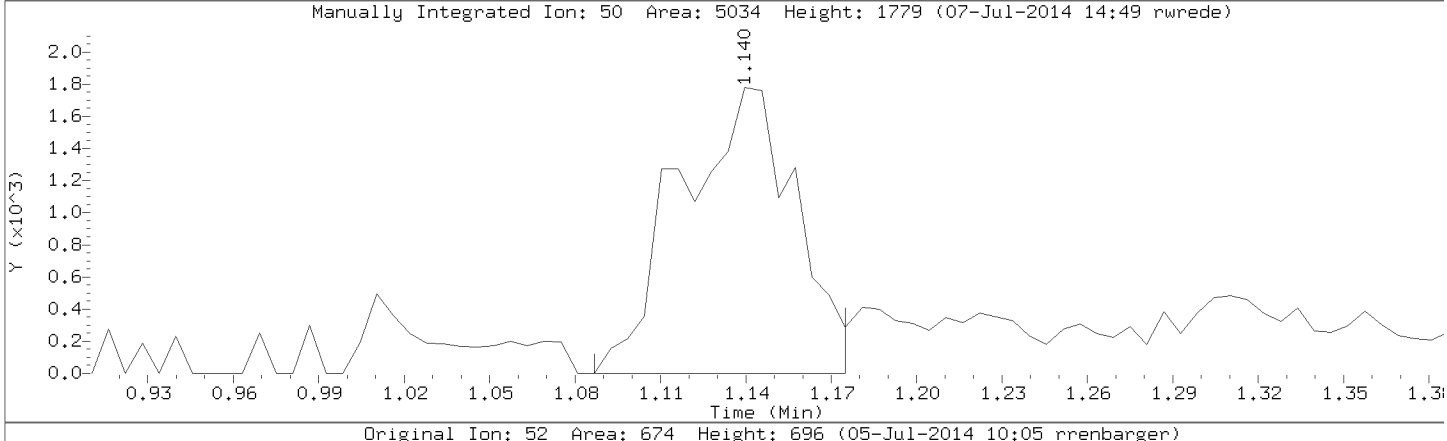
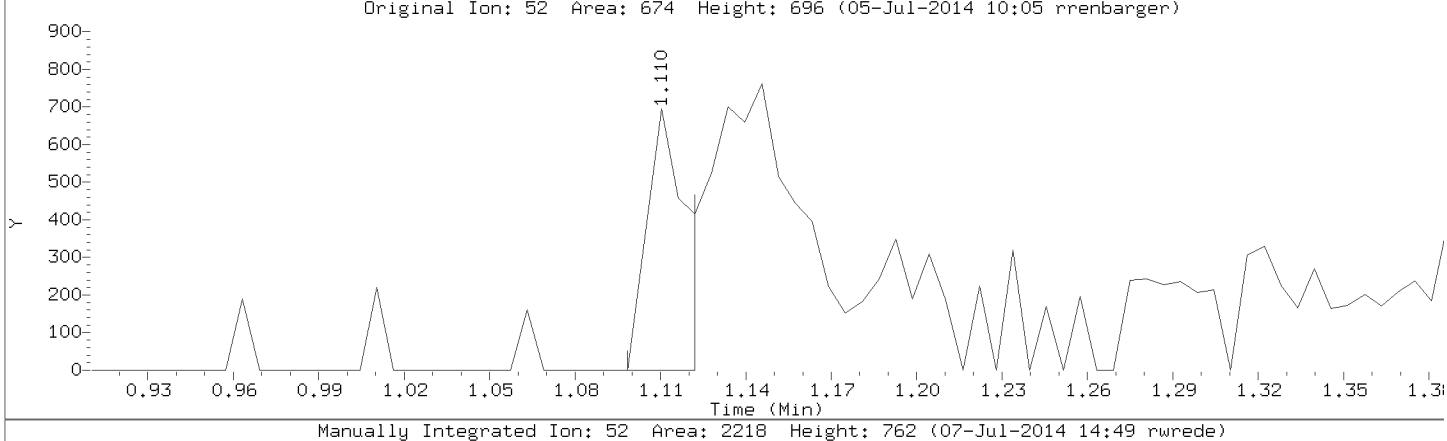
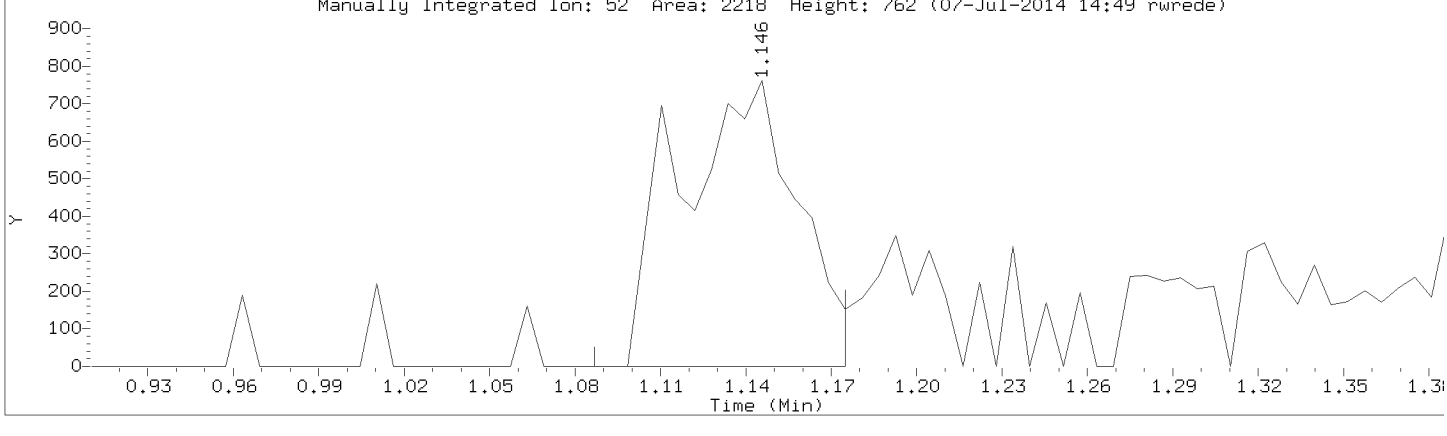
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Chloromethane
CAS Number: 74-87-3









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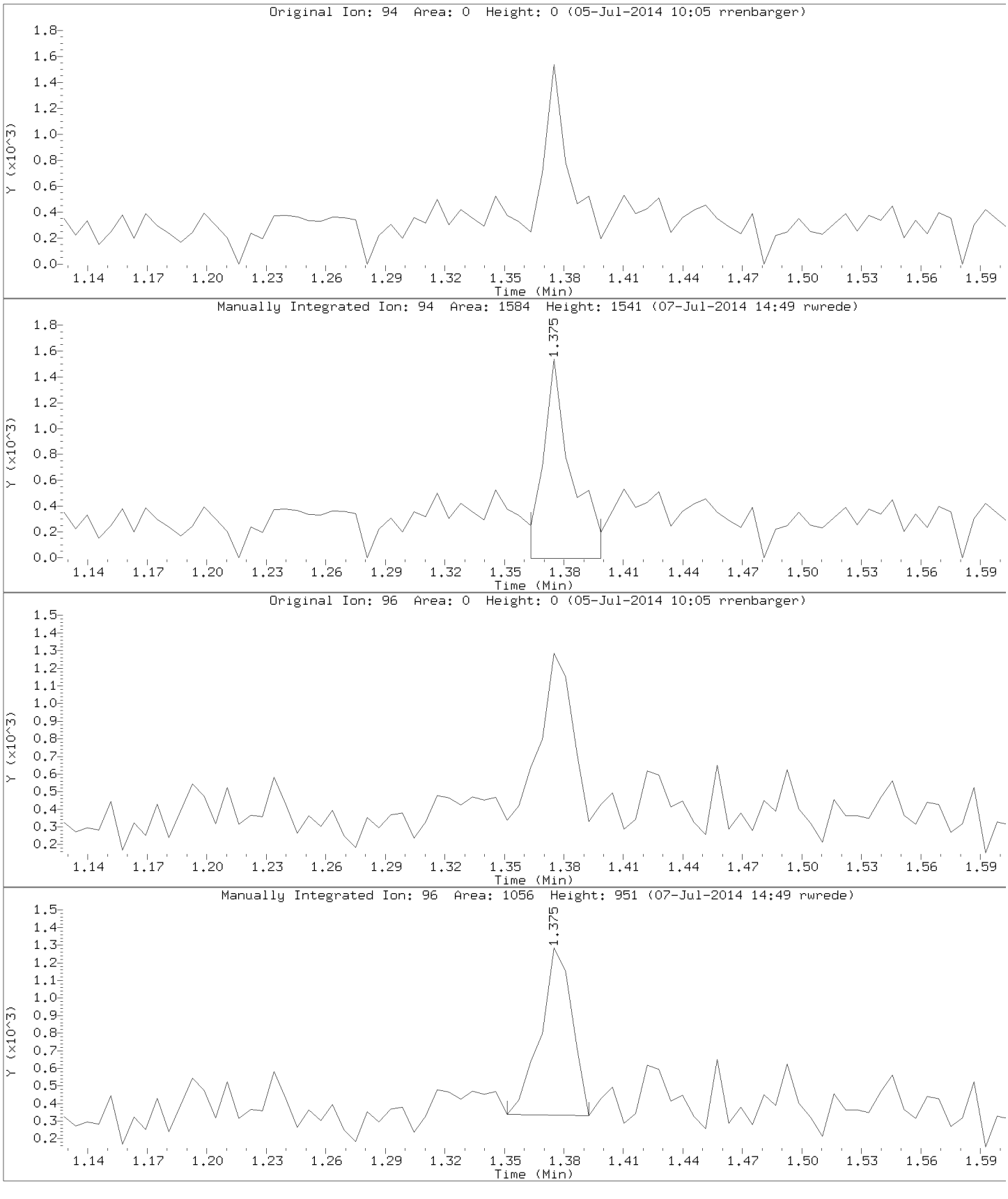
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Bromomethane
CAS Number: 74-83-9



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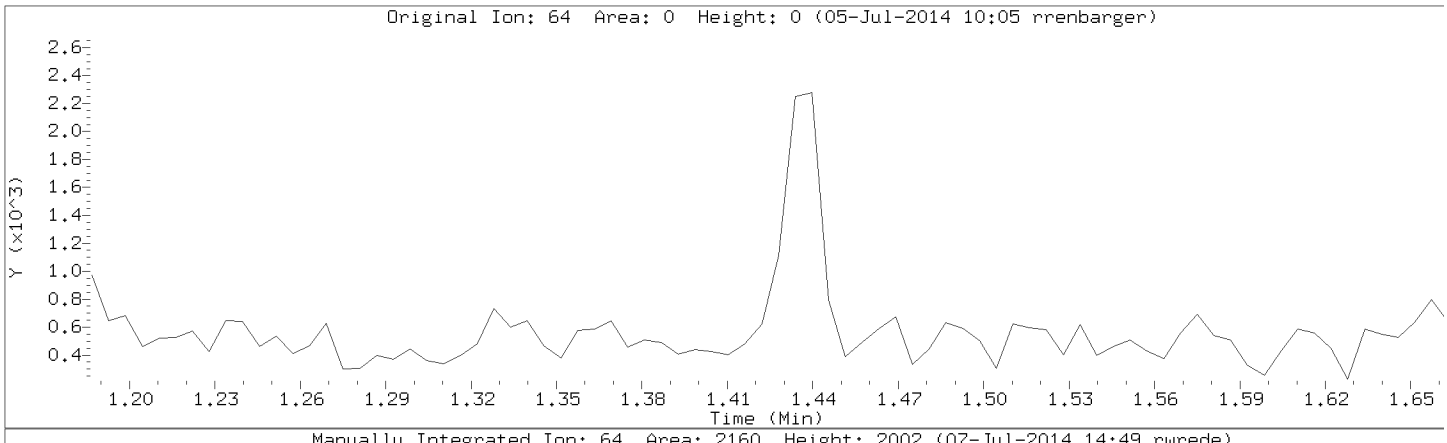
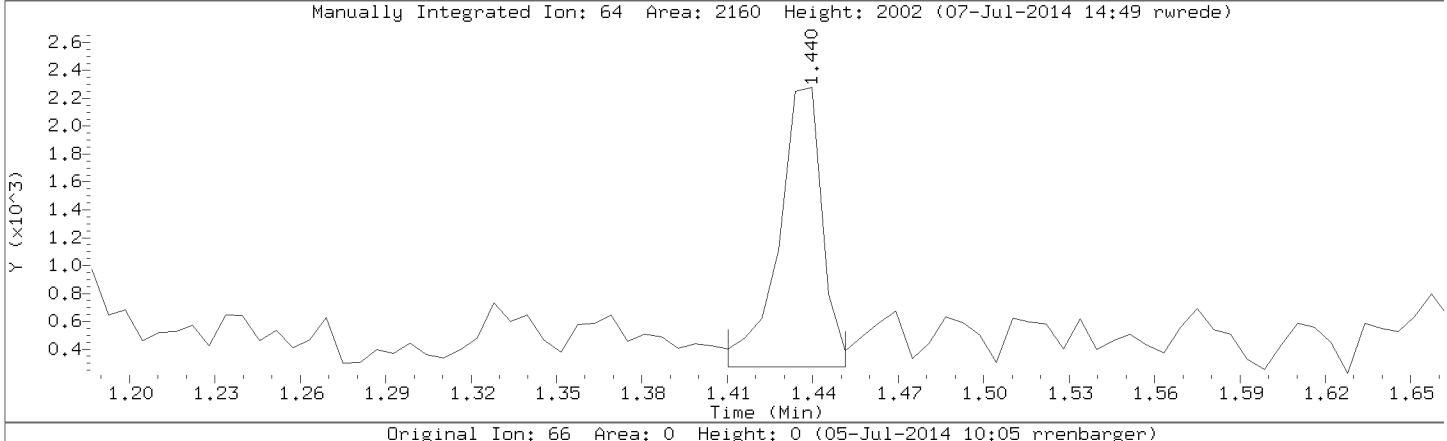
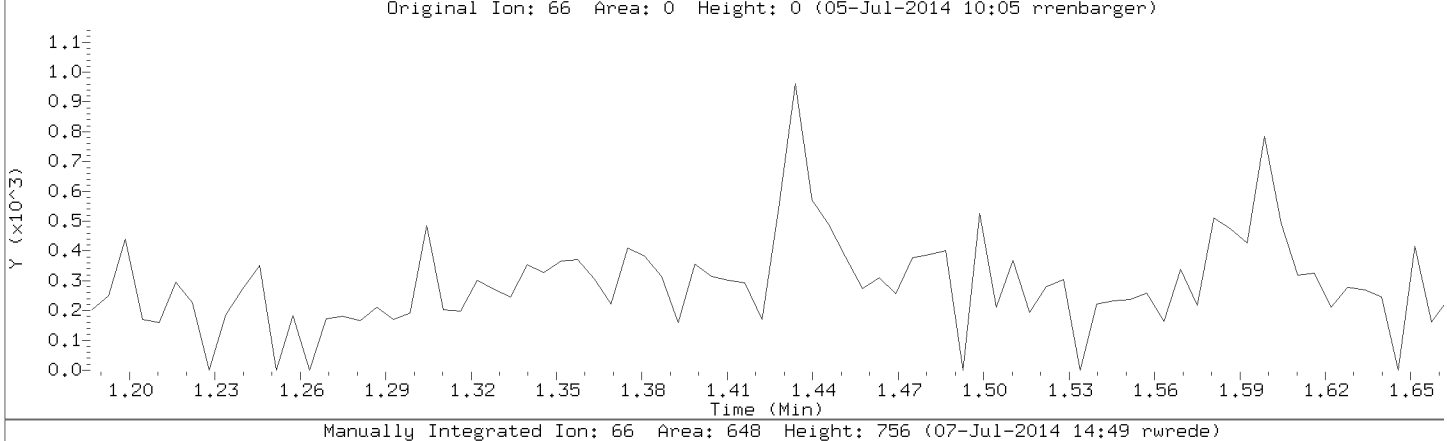
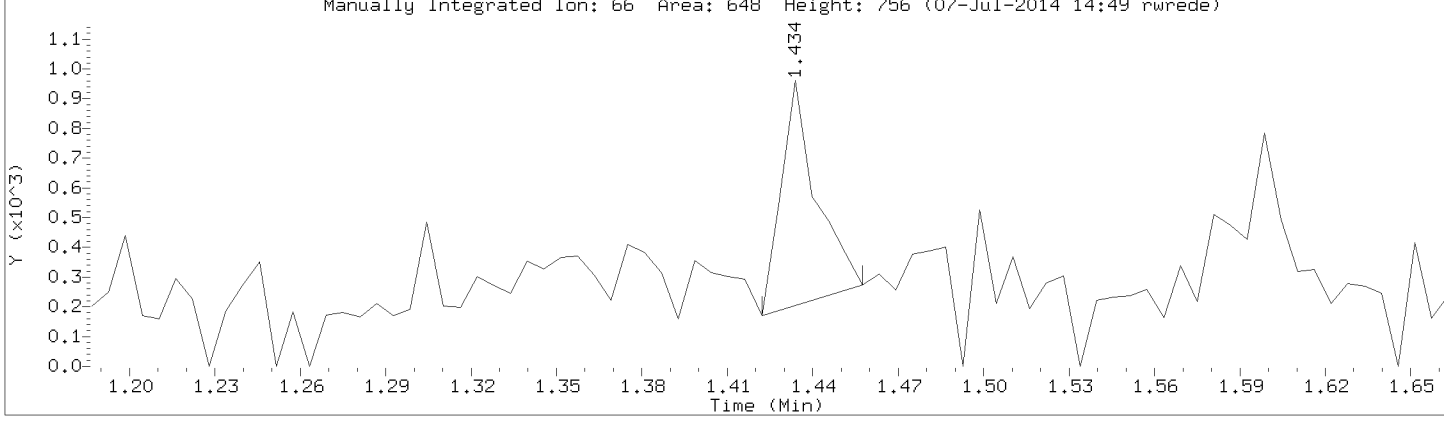
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Chloroethane
CAS Number: 75-00-3









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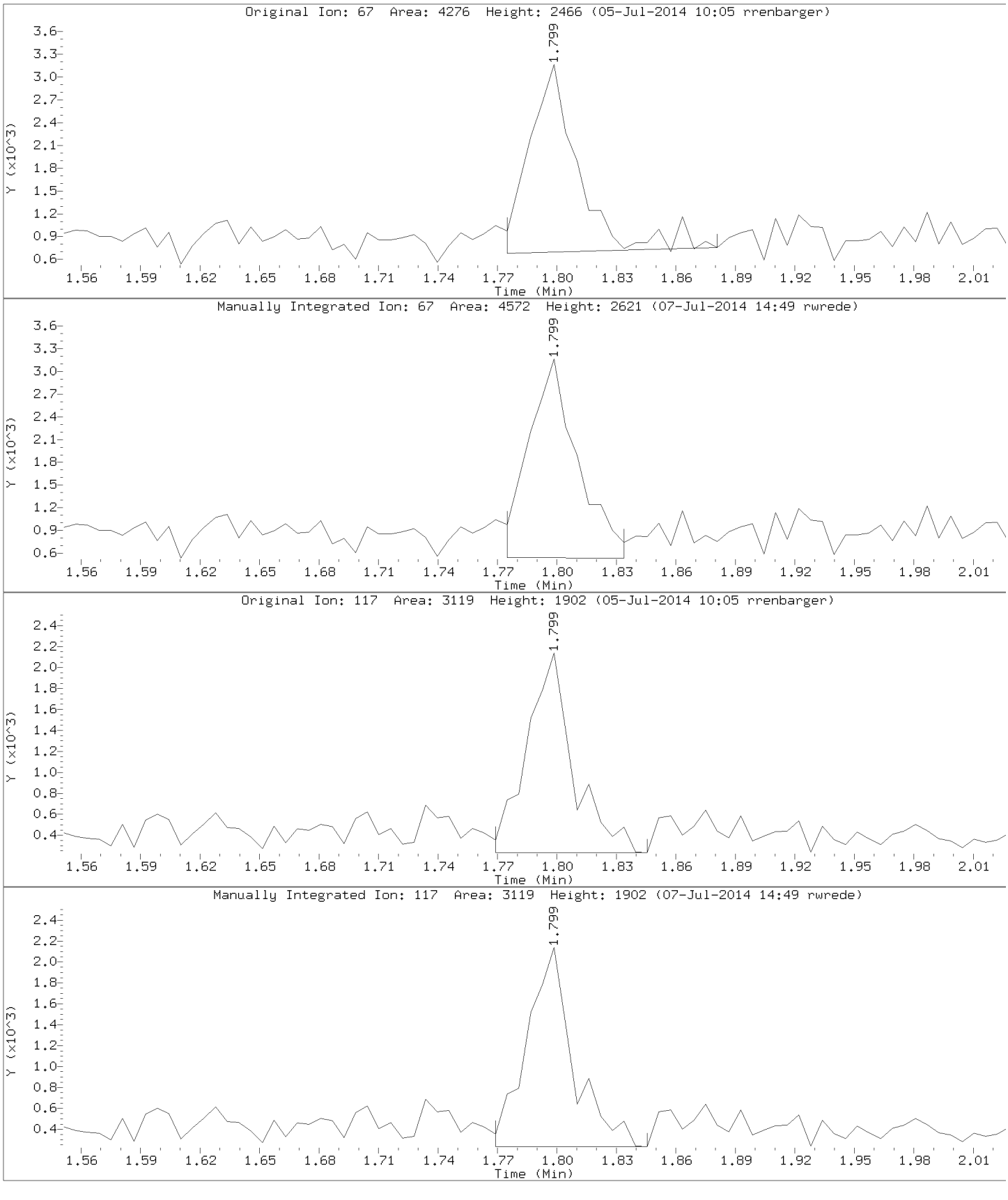
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

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



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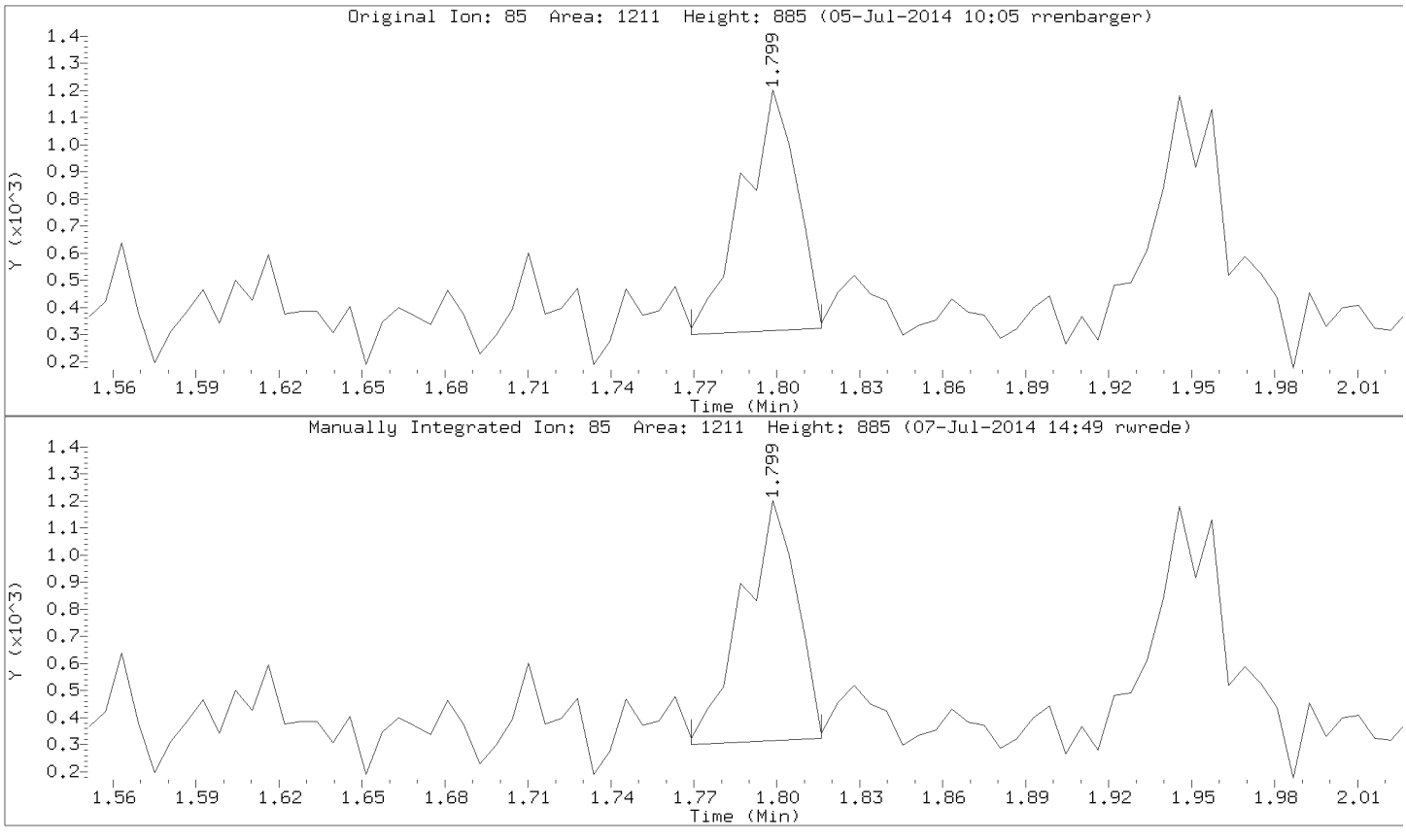
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1



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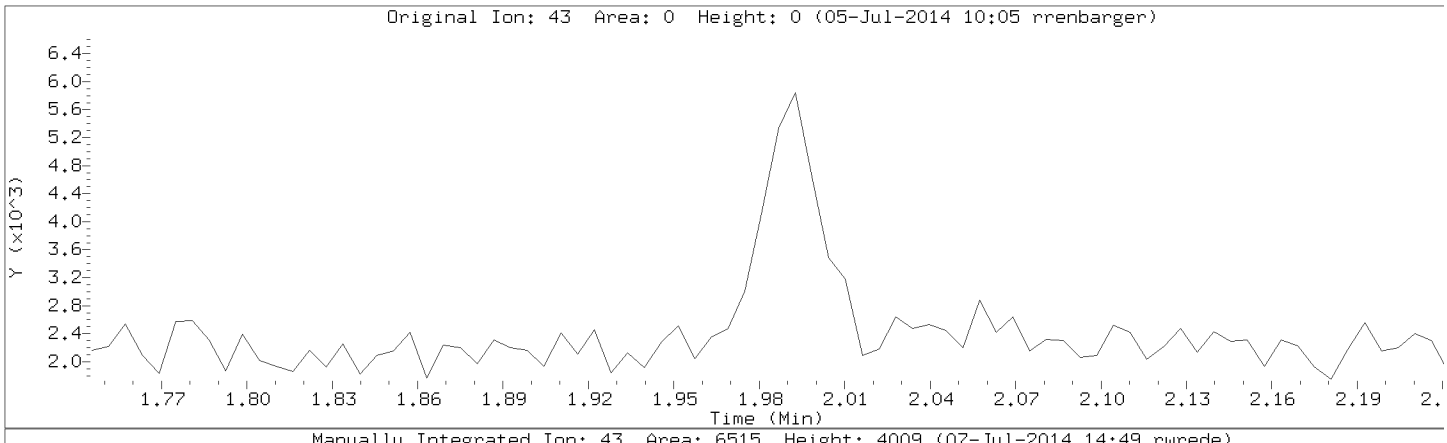
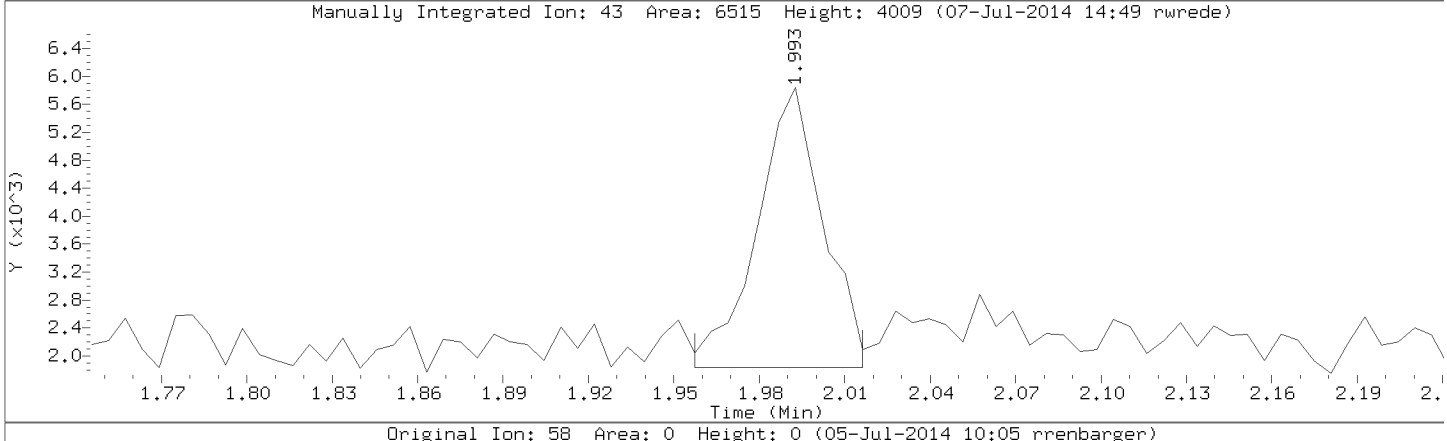
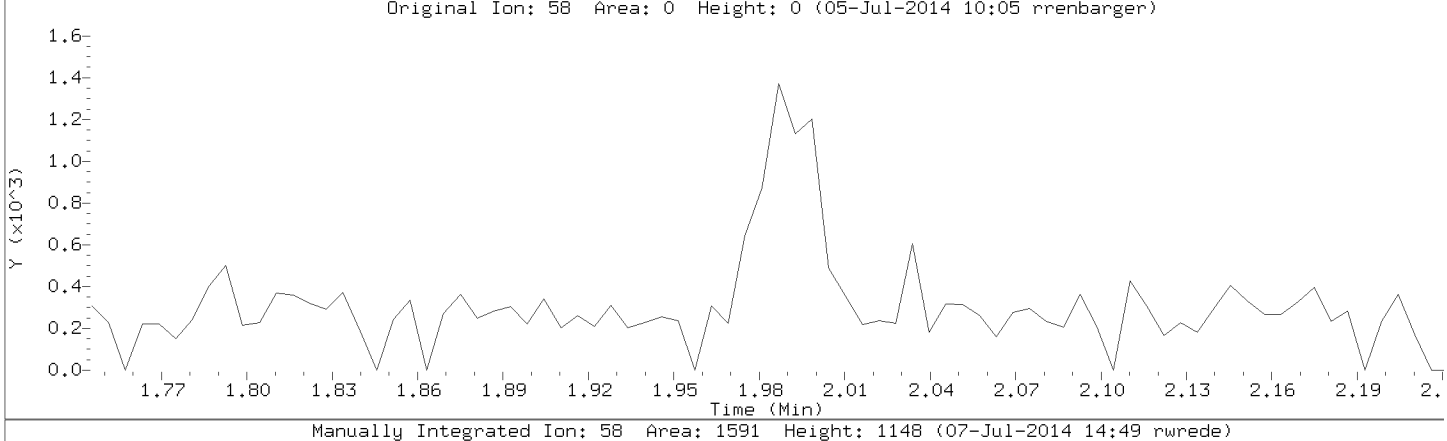
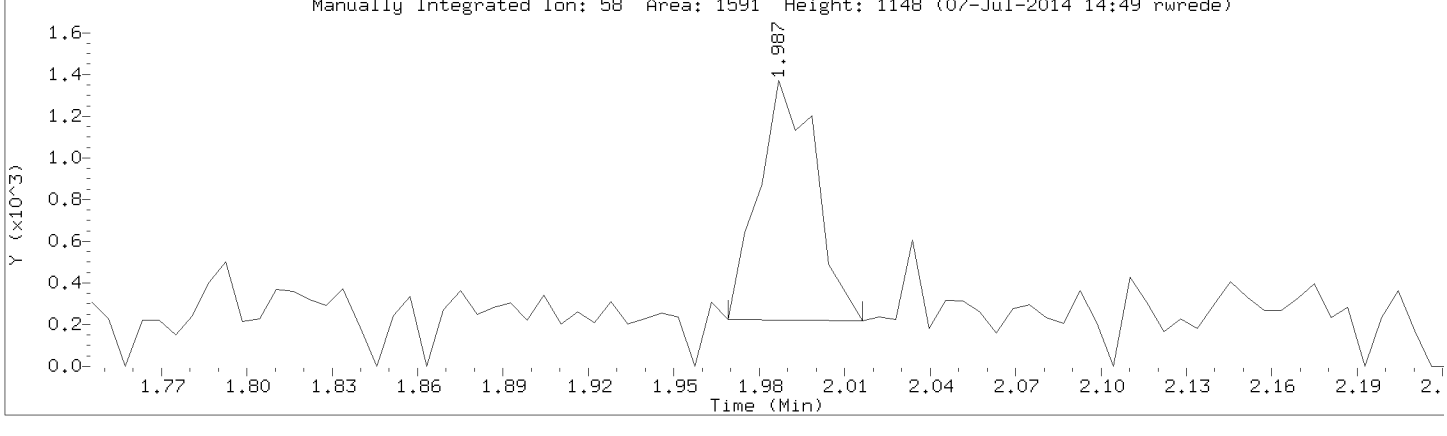
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Acetone
CAS Number: 67-64-1









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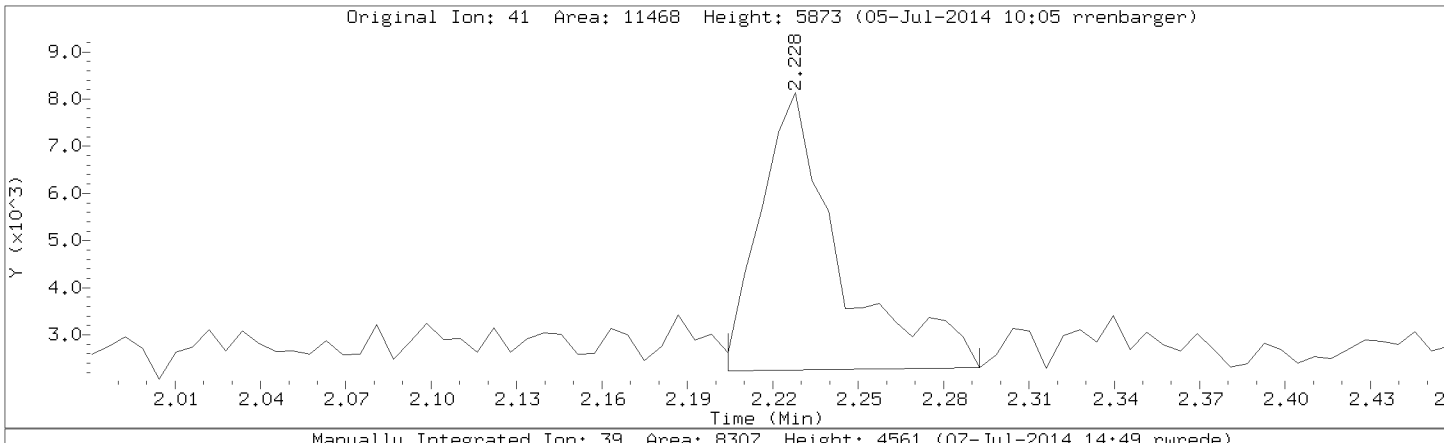
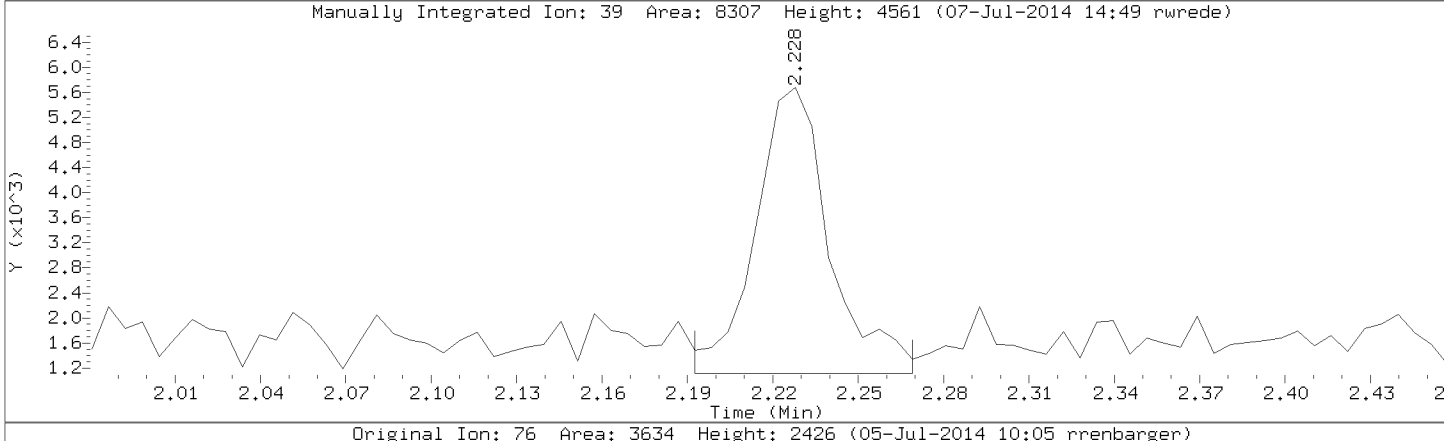
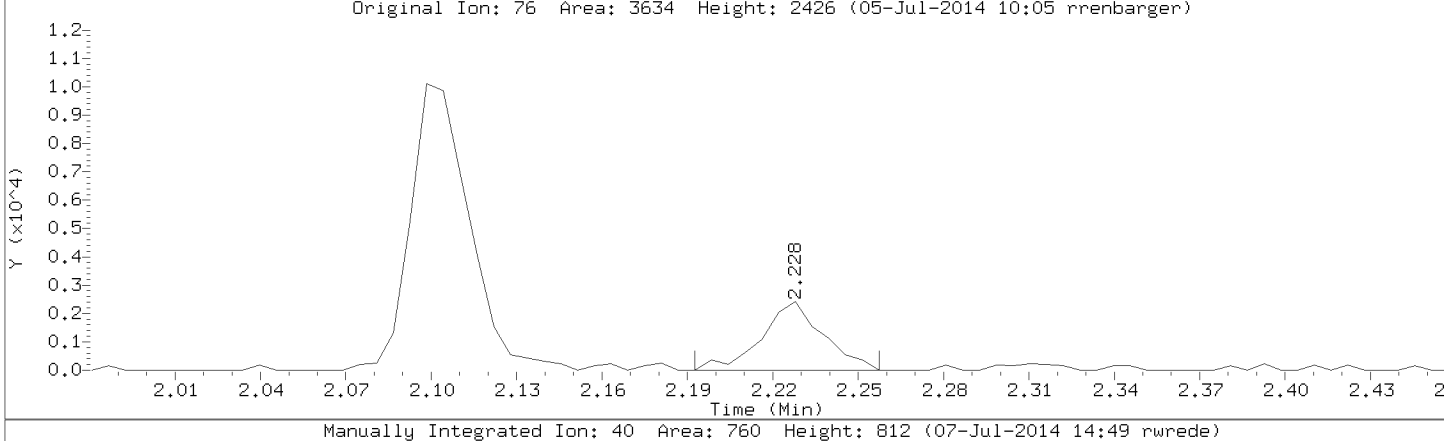
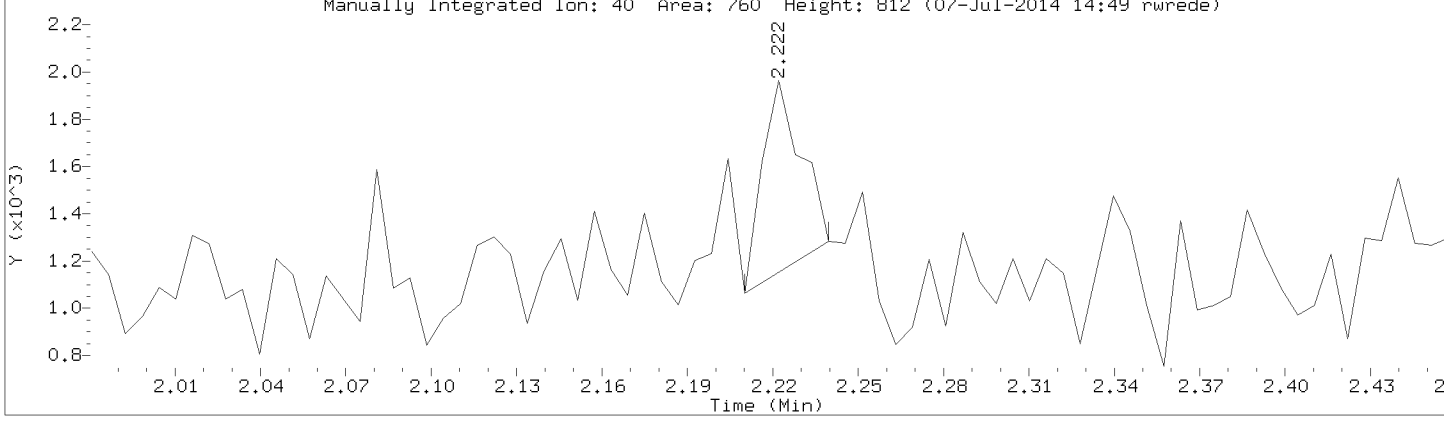
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Acetonitrile
CAS Number: 75-05-8









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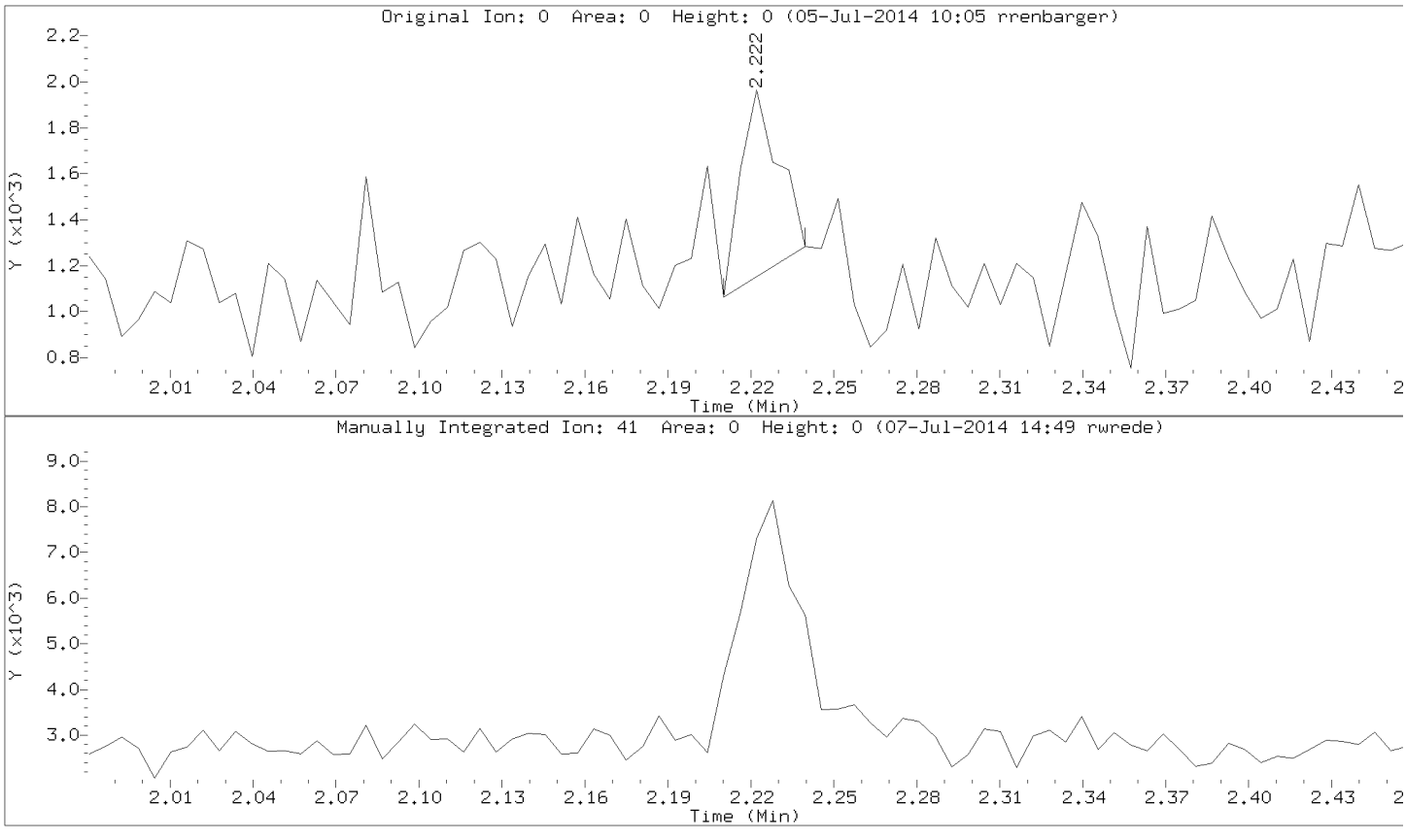
Lab Sample ID: 8260-CAL1



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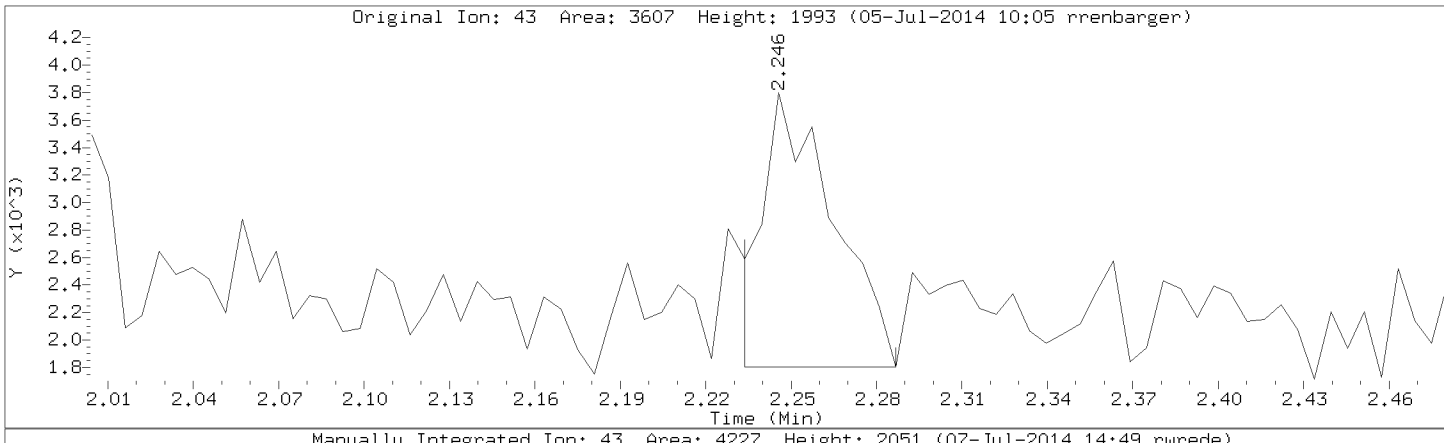
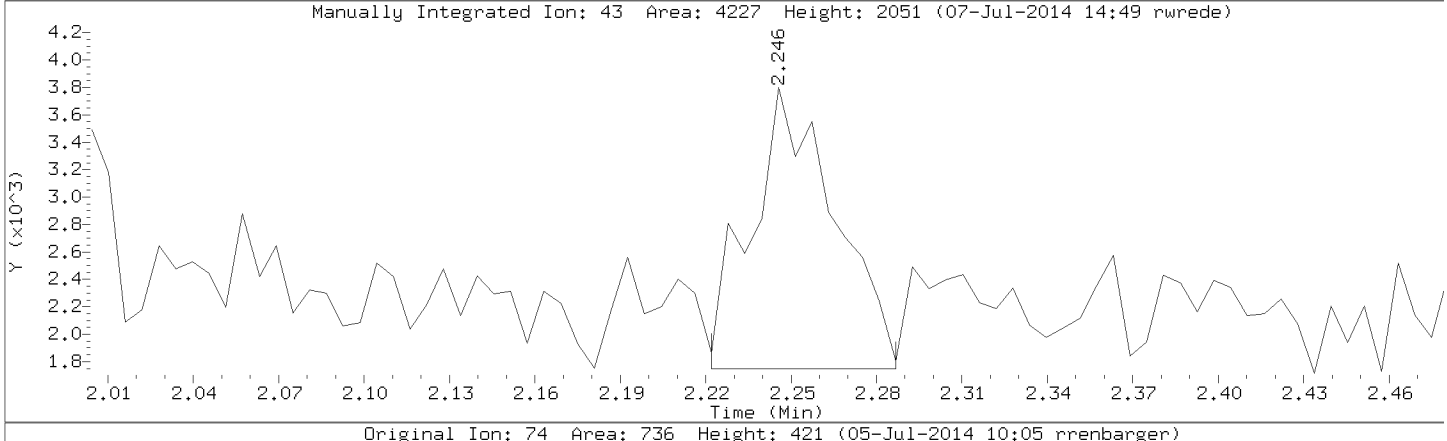
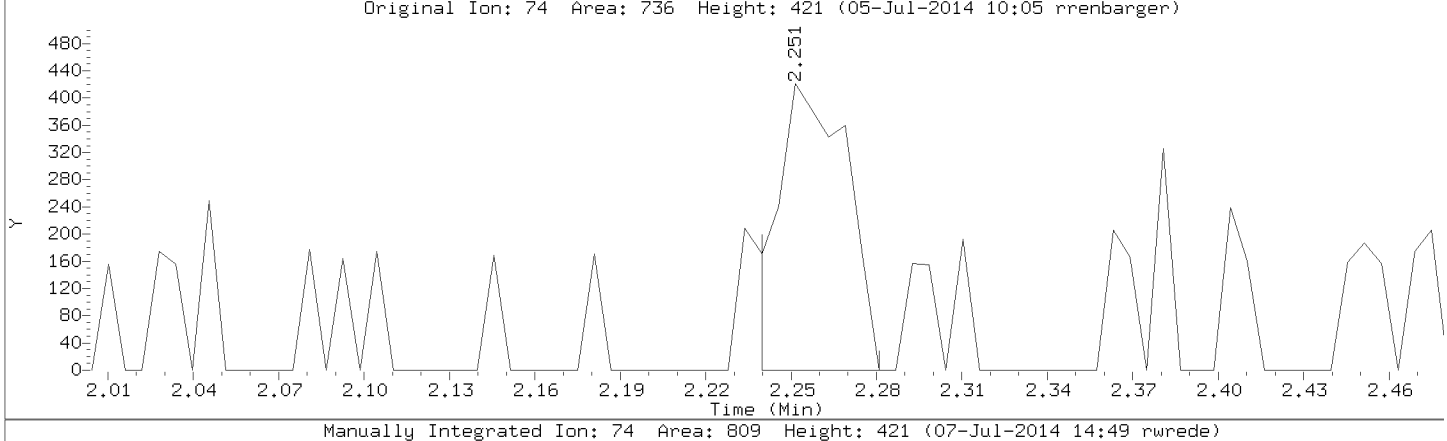
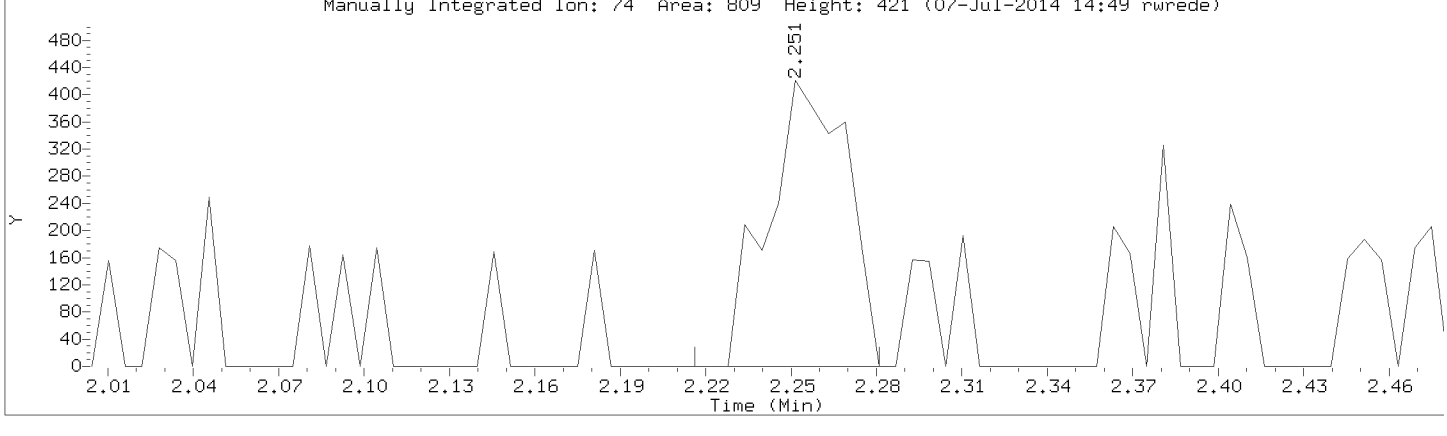
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Methyl Acetate
CAS Number: 79-20-9









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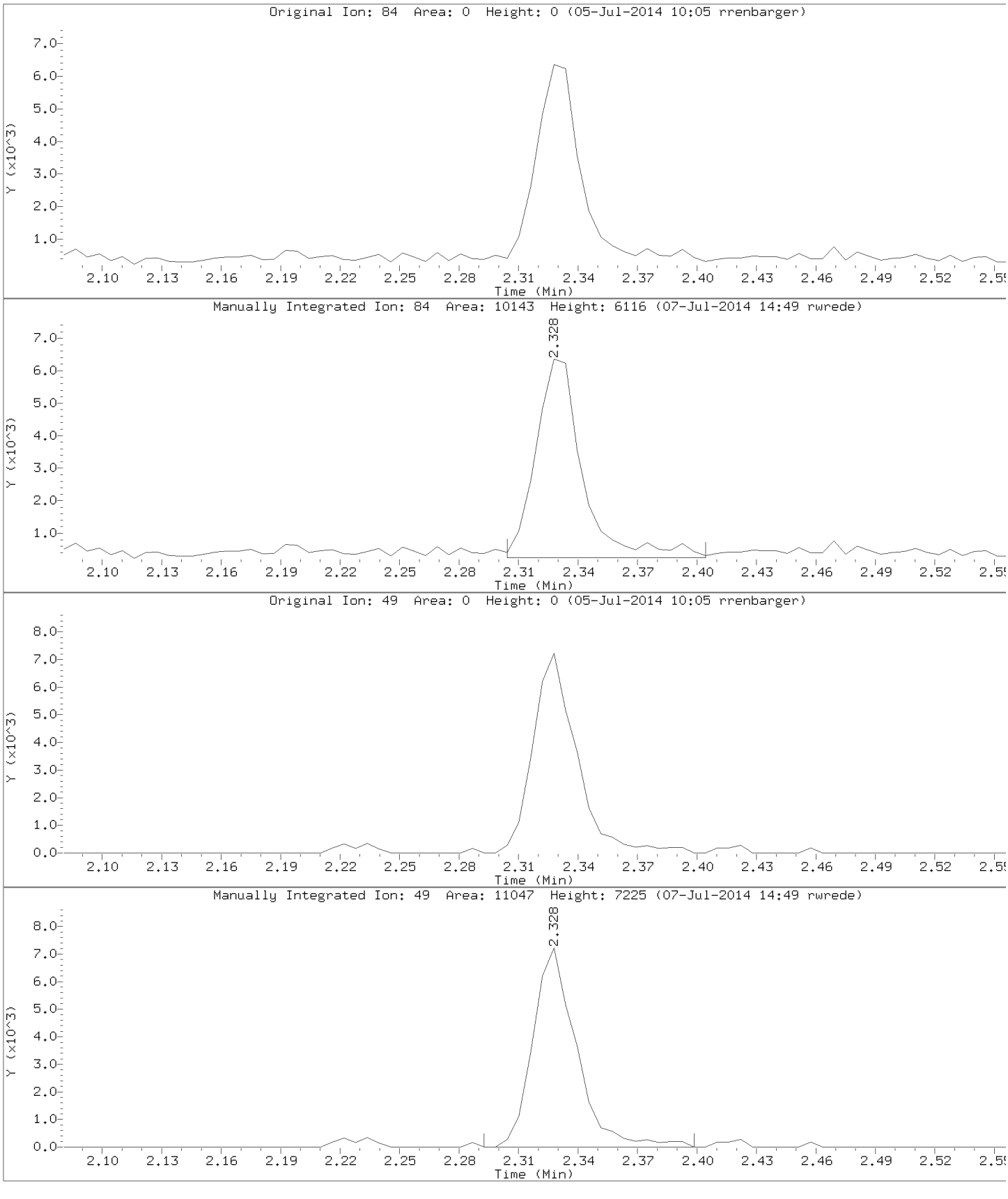
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Methylene Chloride
CAS Number: 75-09-2



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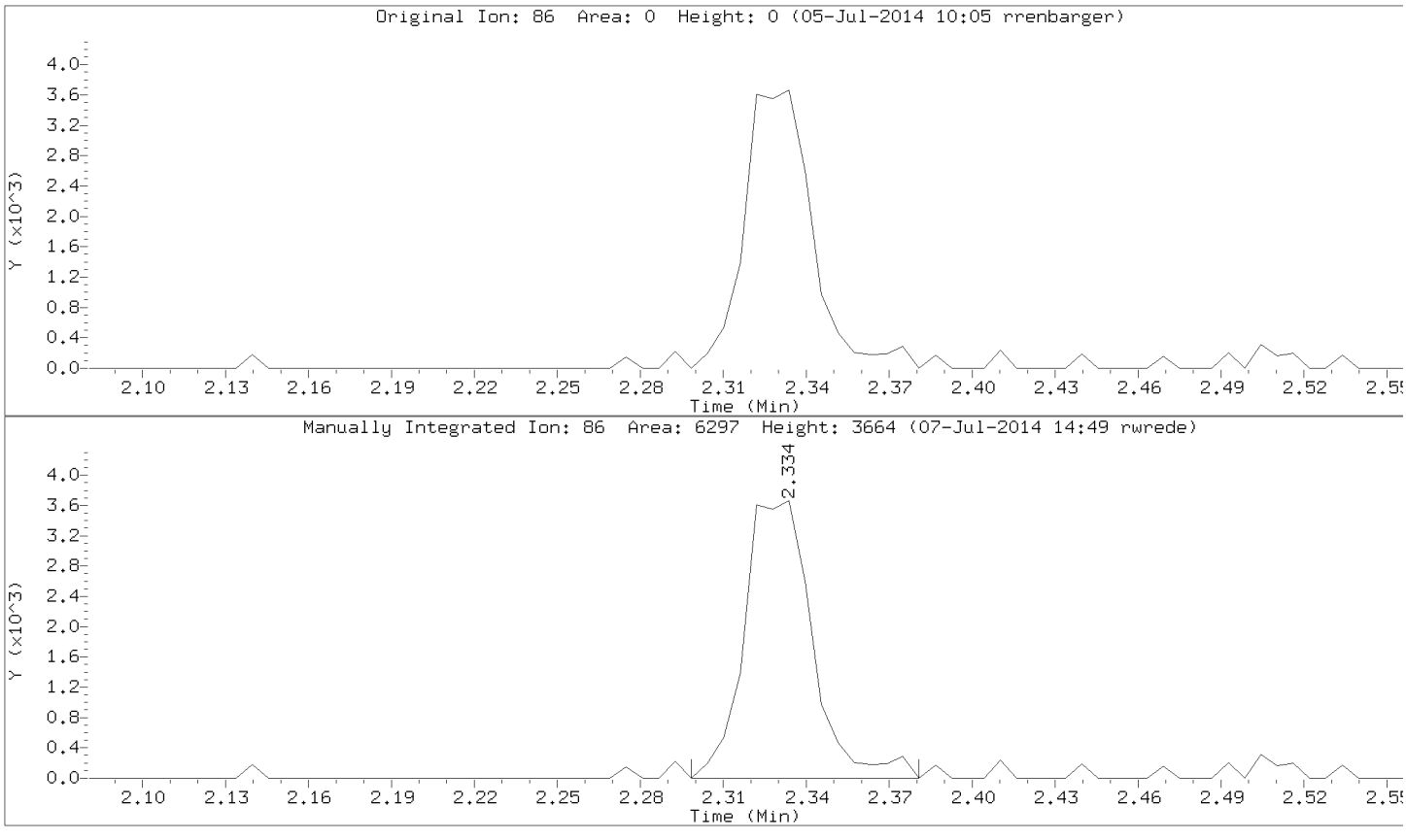
Lab Sample ID: 8260-CAL1



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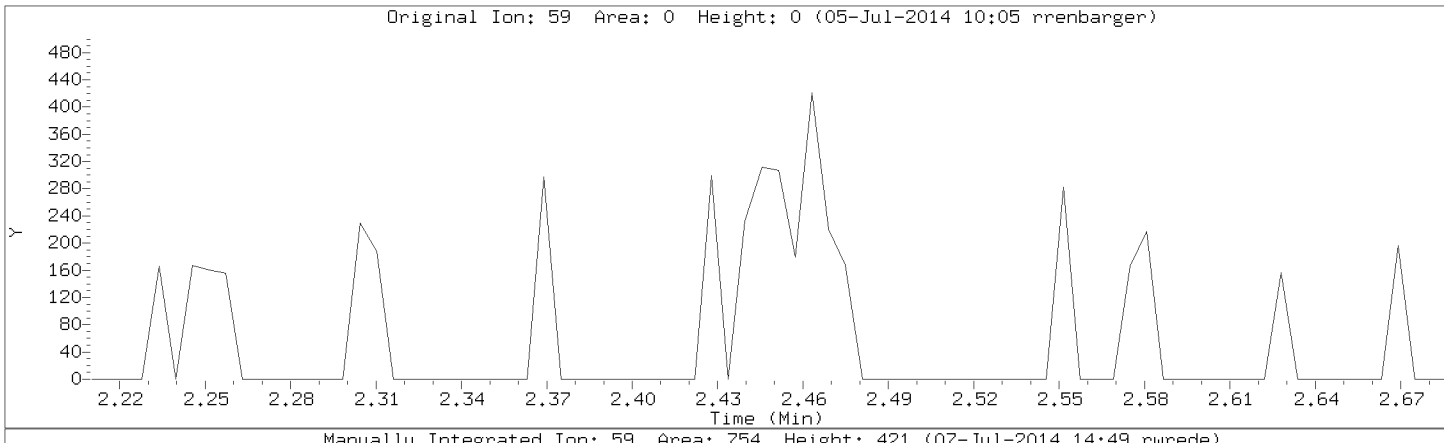
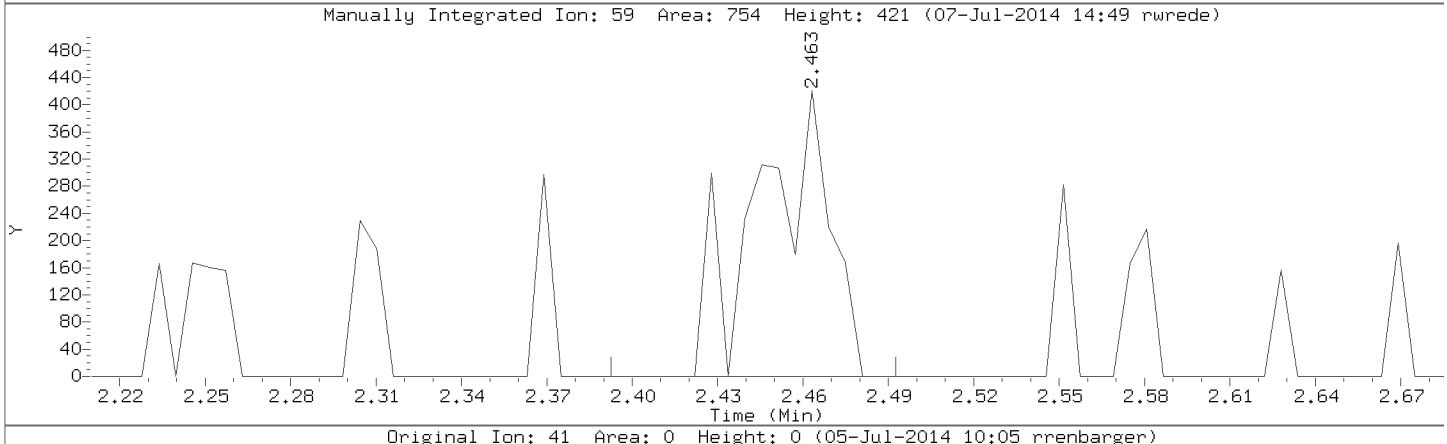
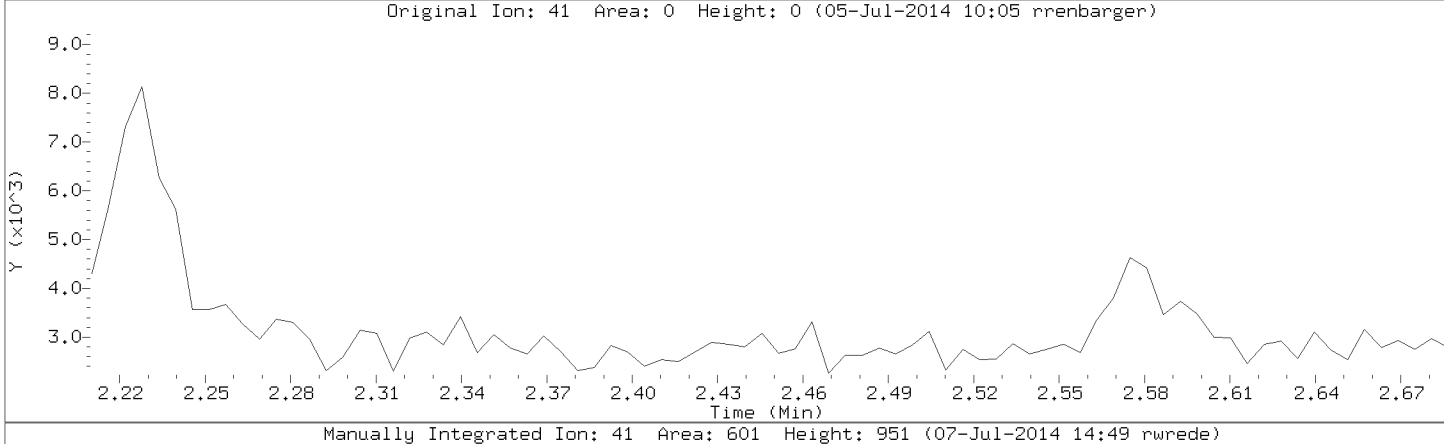
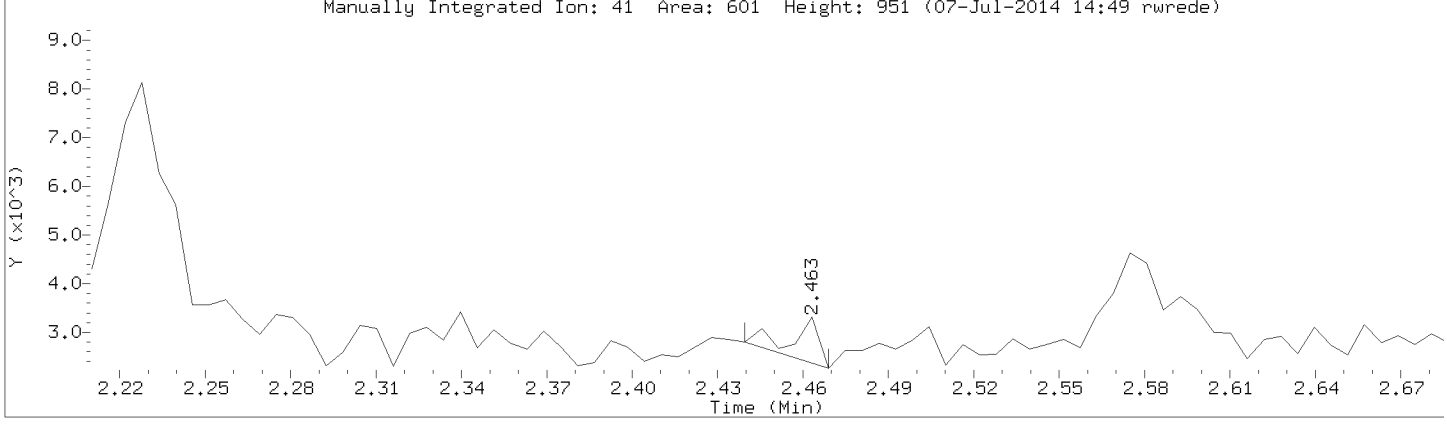
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

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









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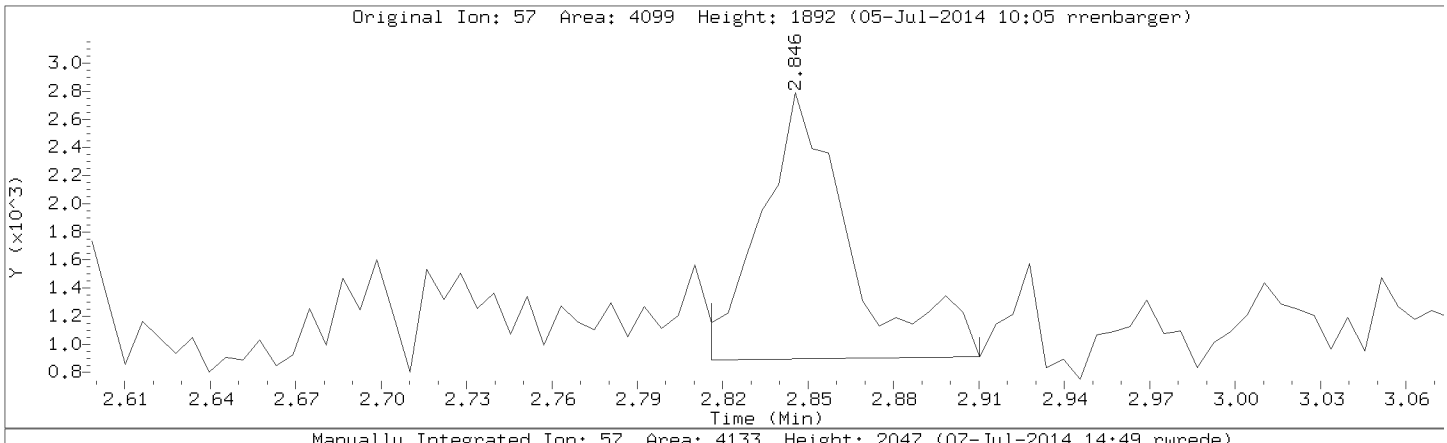
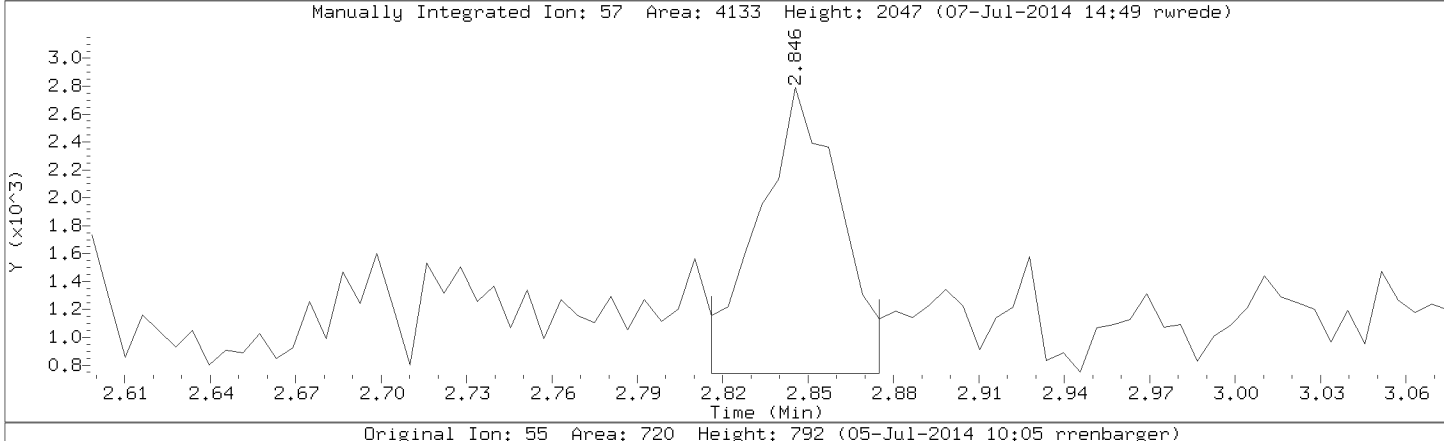
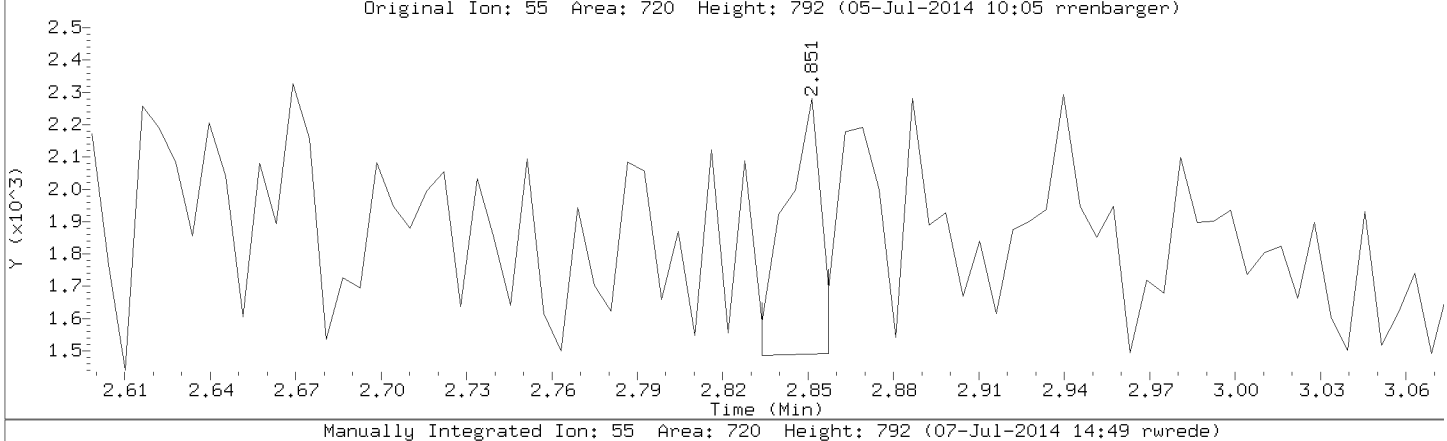
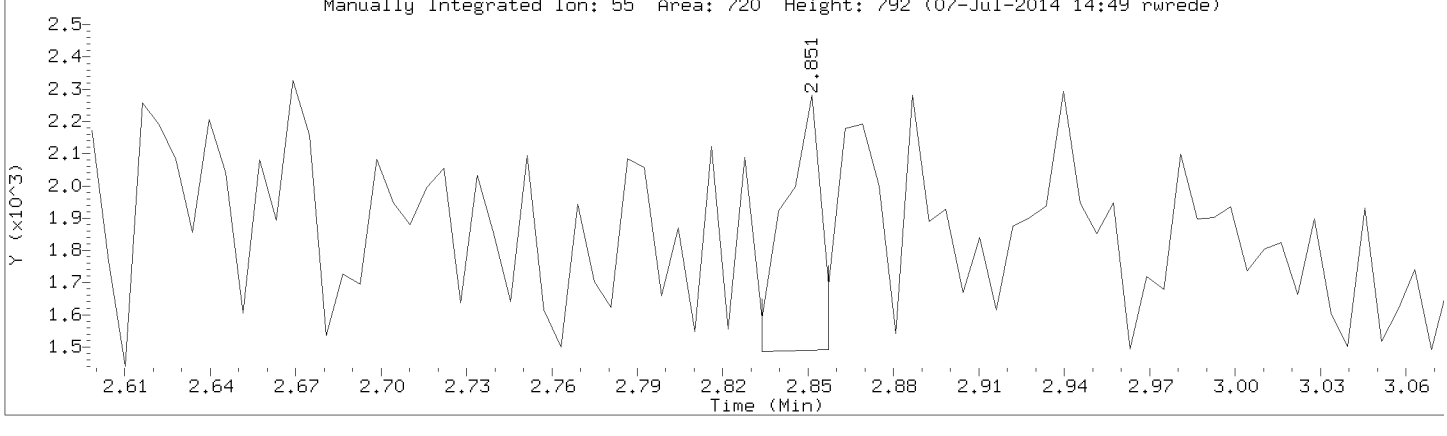
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: n-Hexane
CAS Number:









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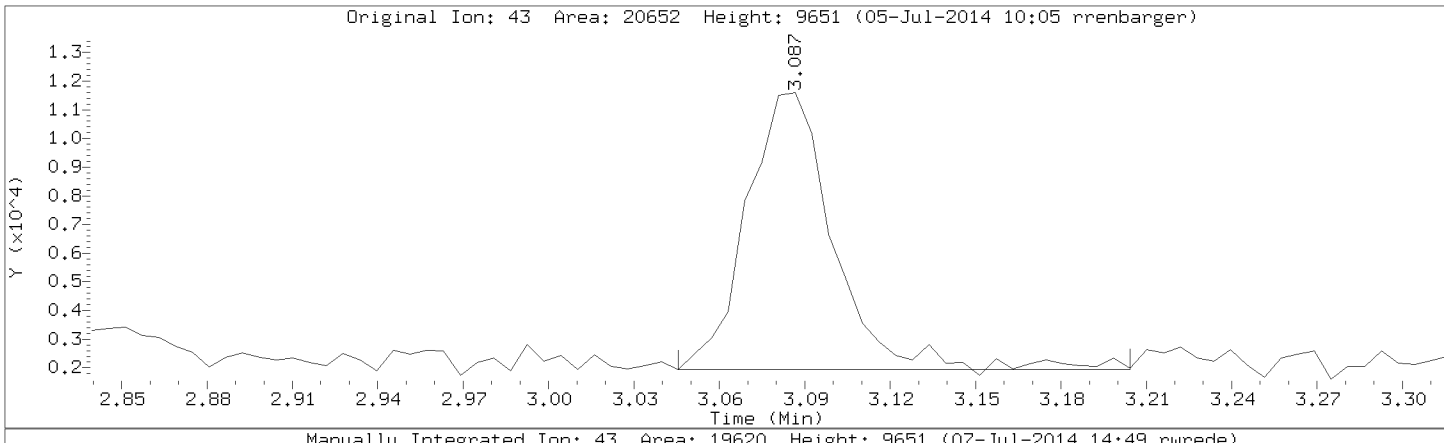
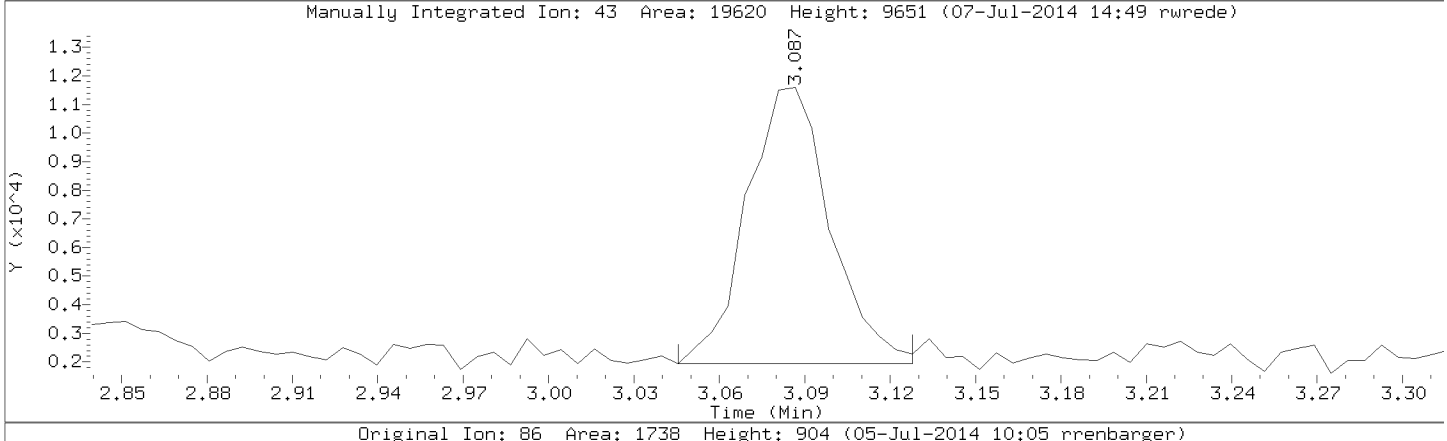
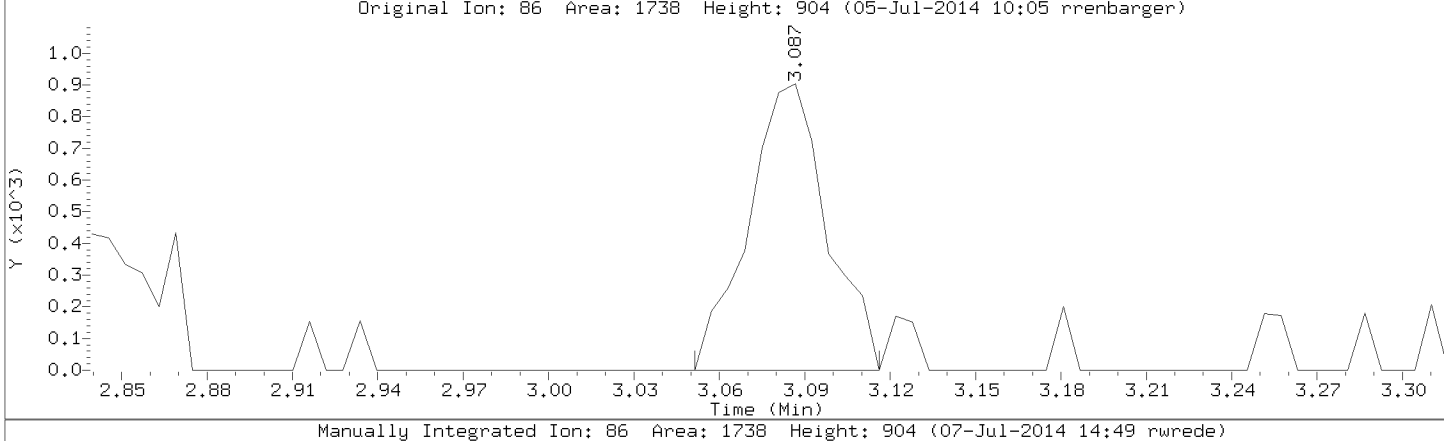
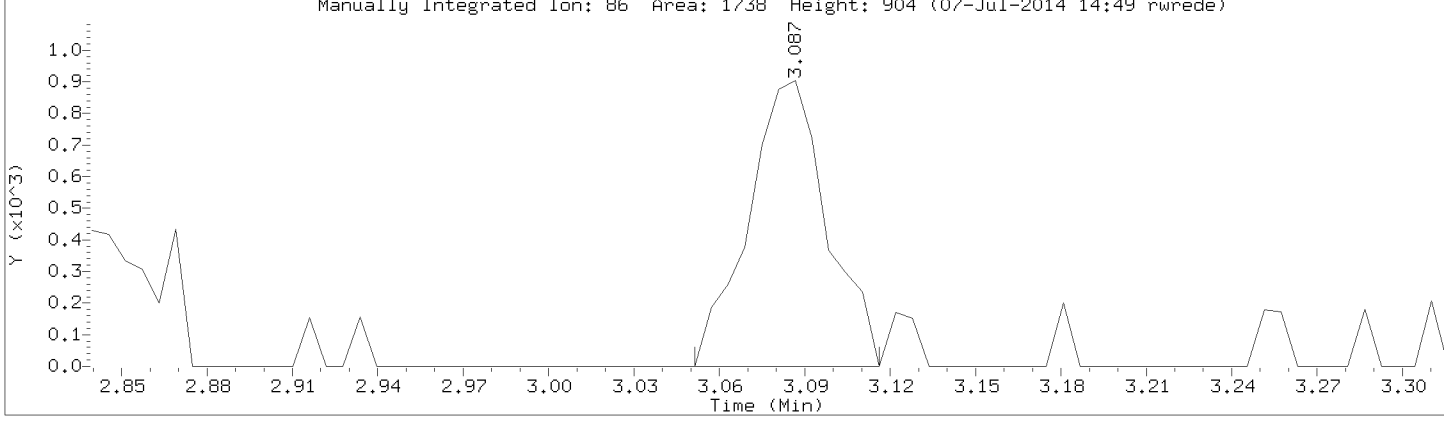
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

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









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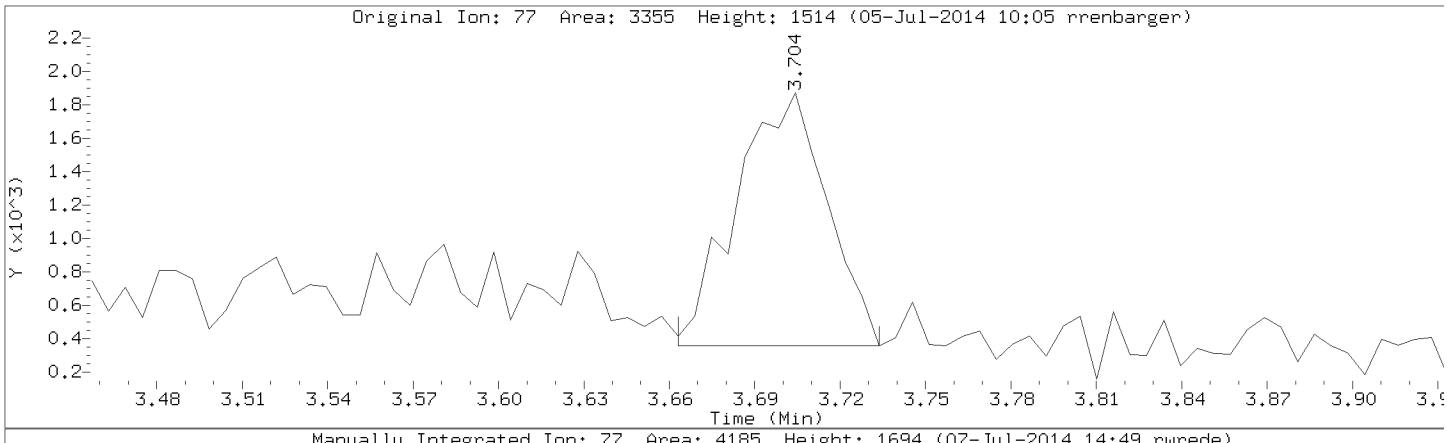
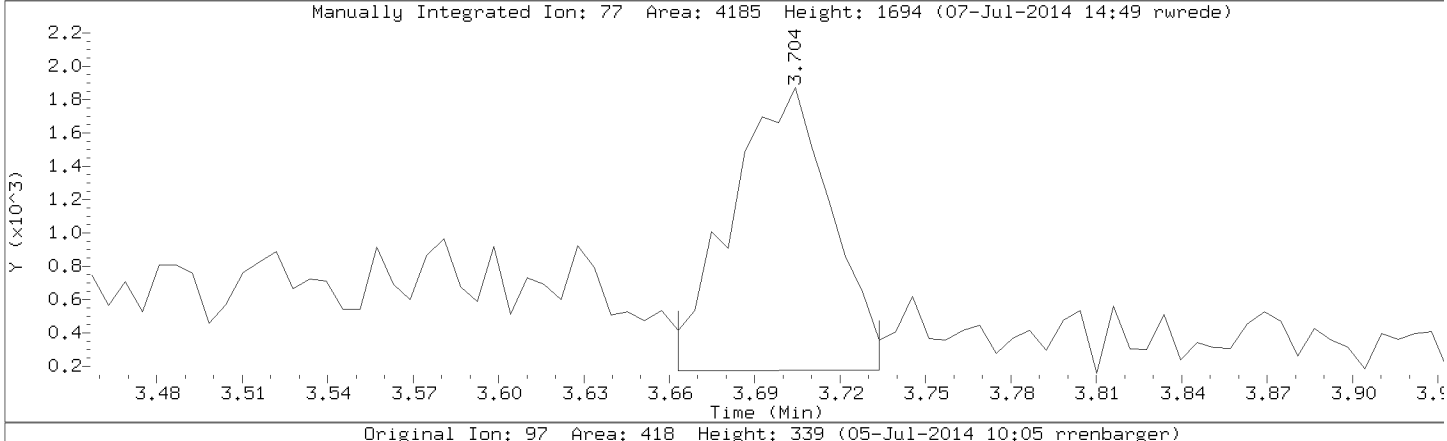
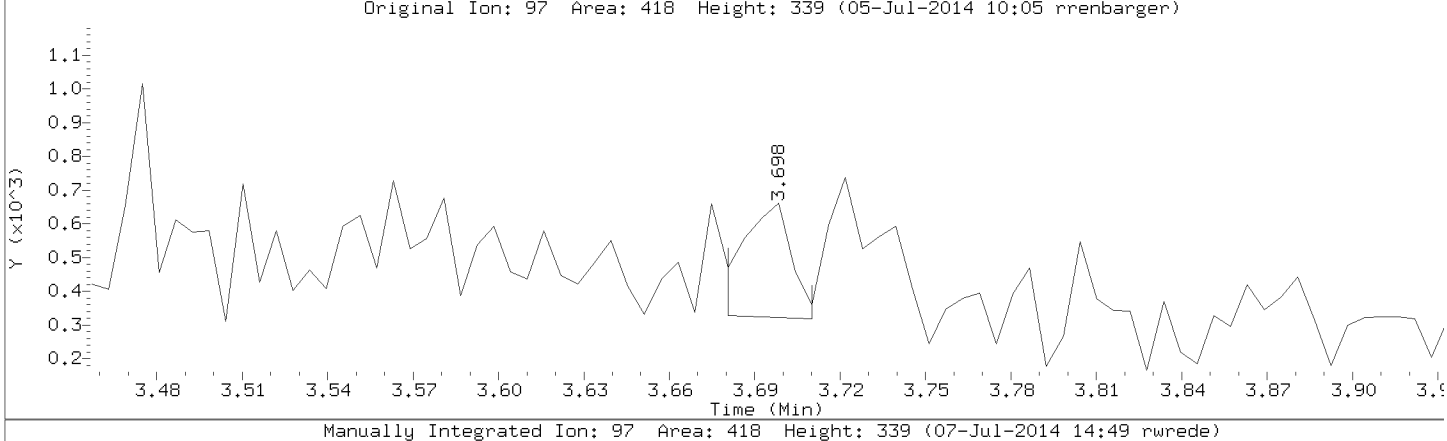
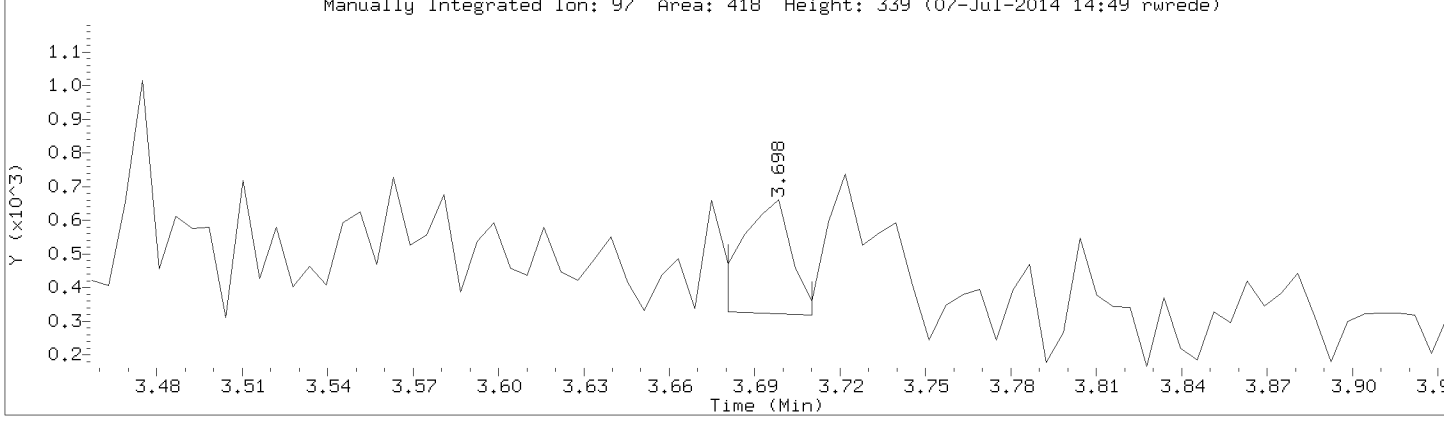
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 2,2-Dichloropropane
CAS Number: 594-20-7









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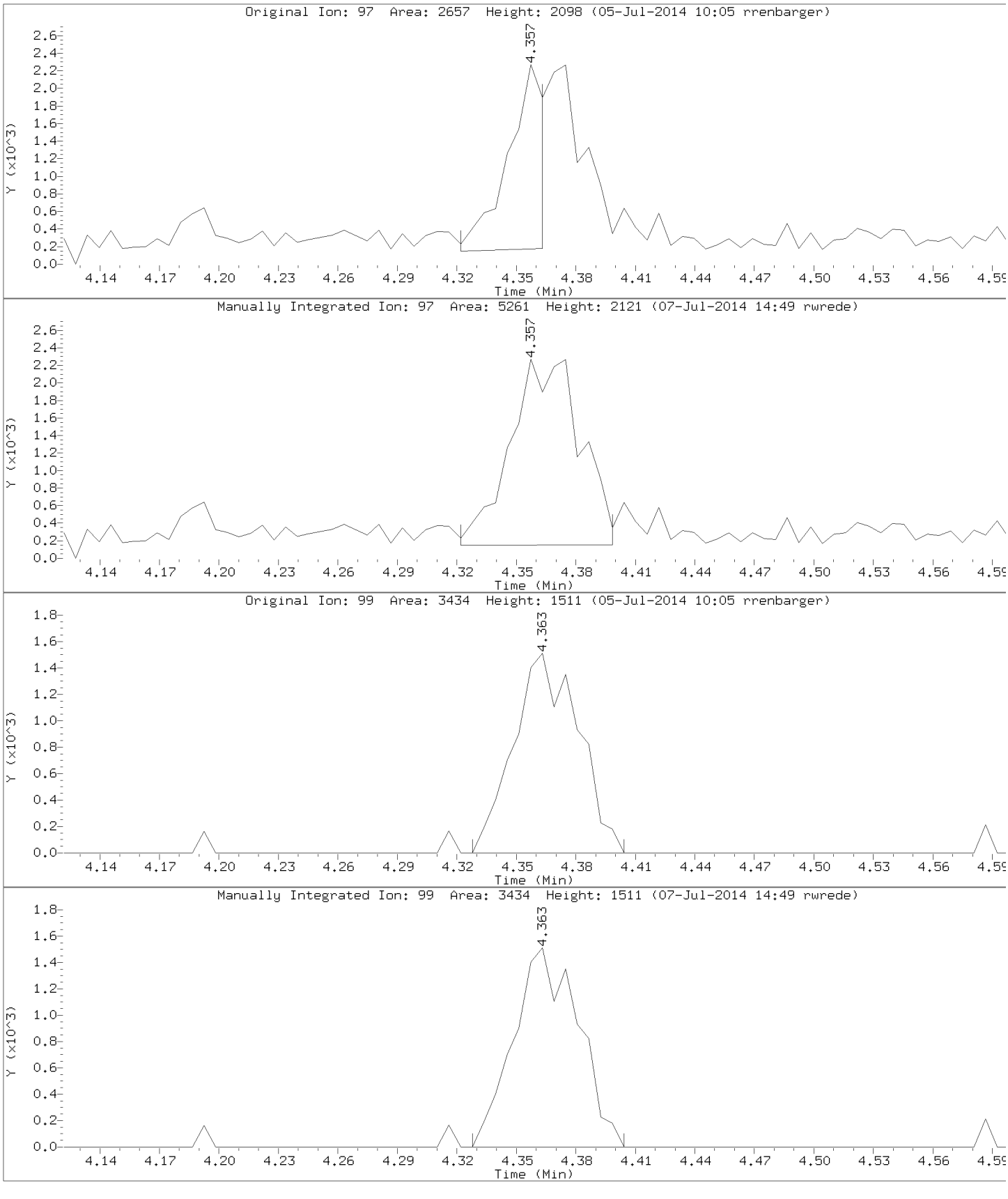
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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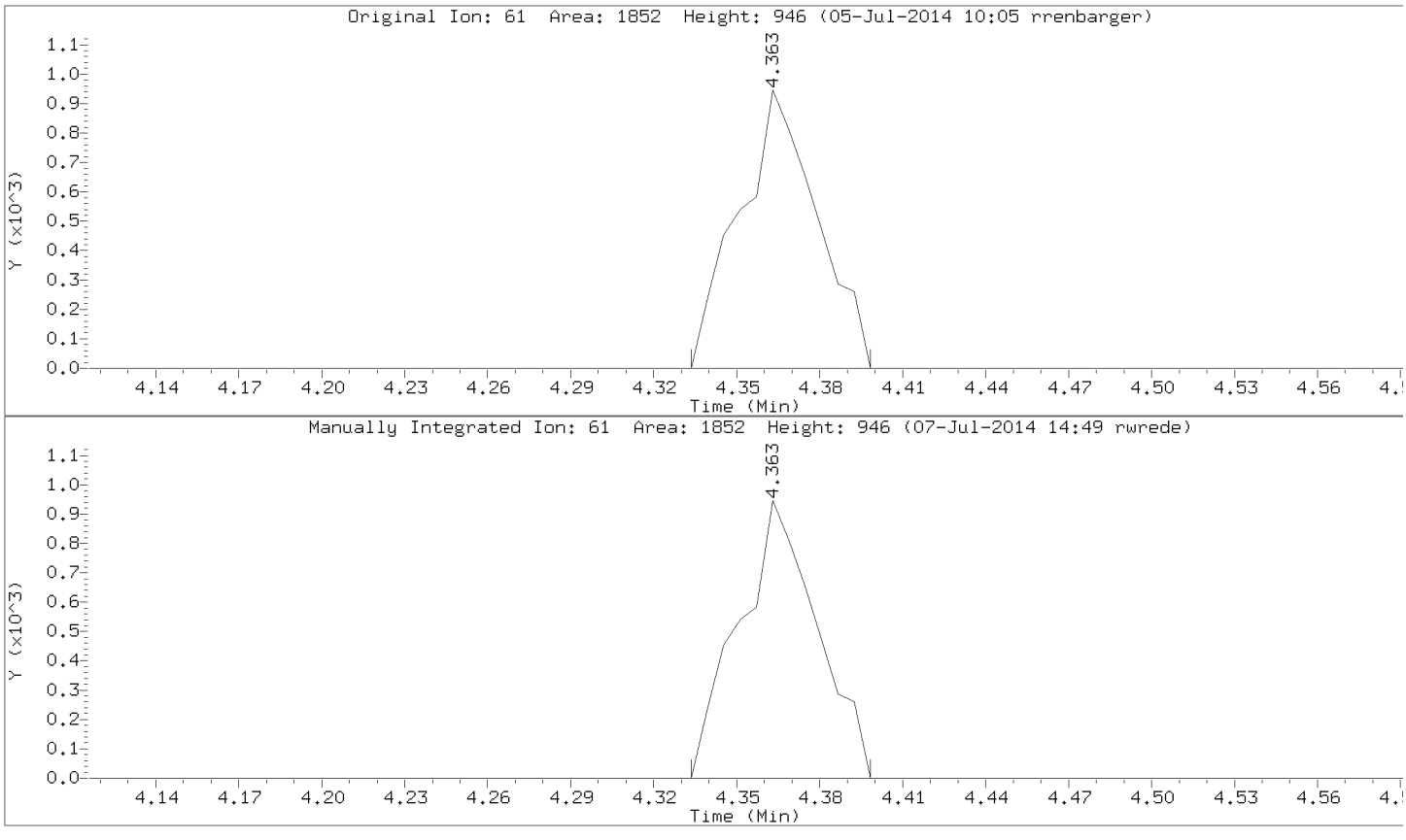
Lab Sample ID: 8260-CAL1



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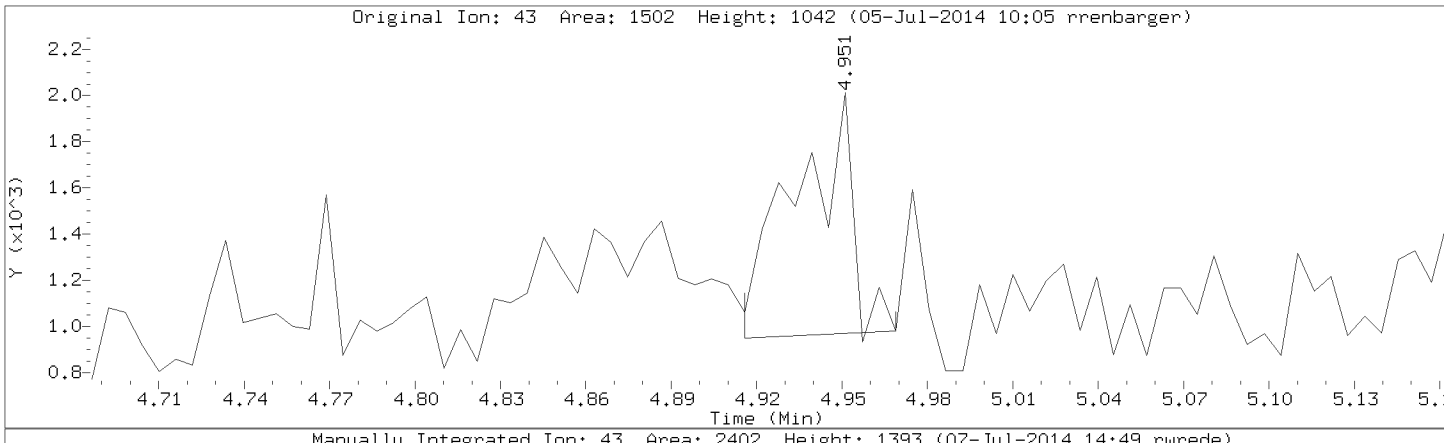
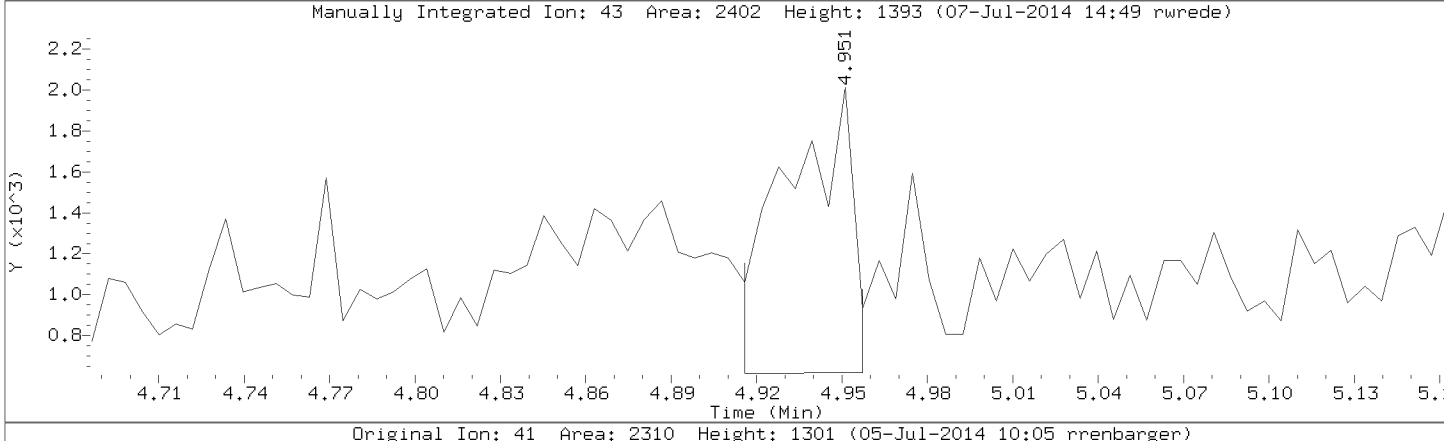
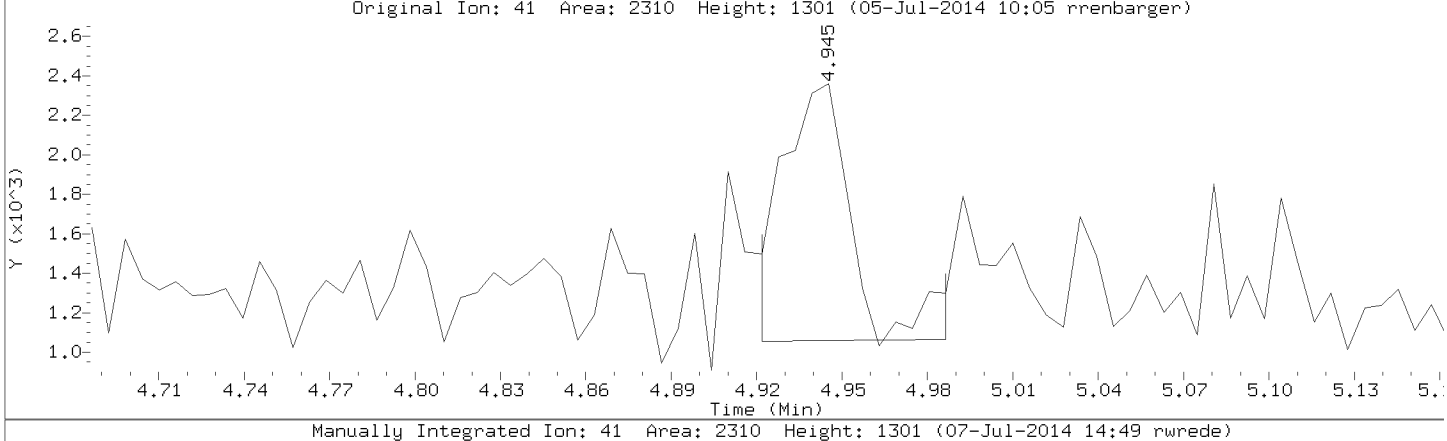
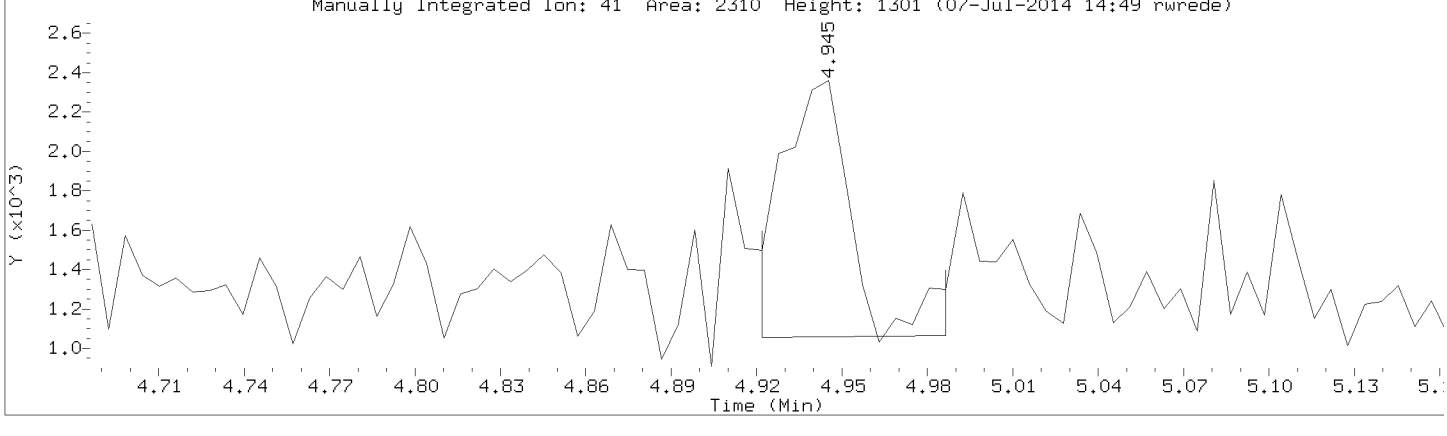
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Isobutyl alcohol
CAS Number: 78-83-1









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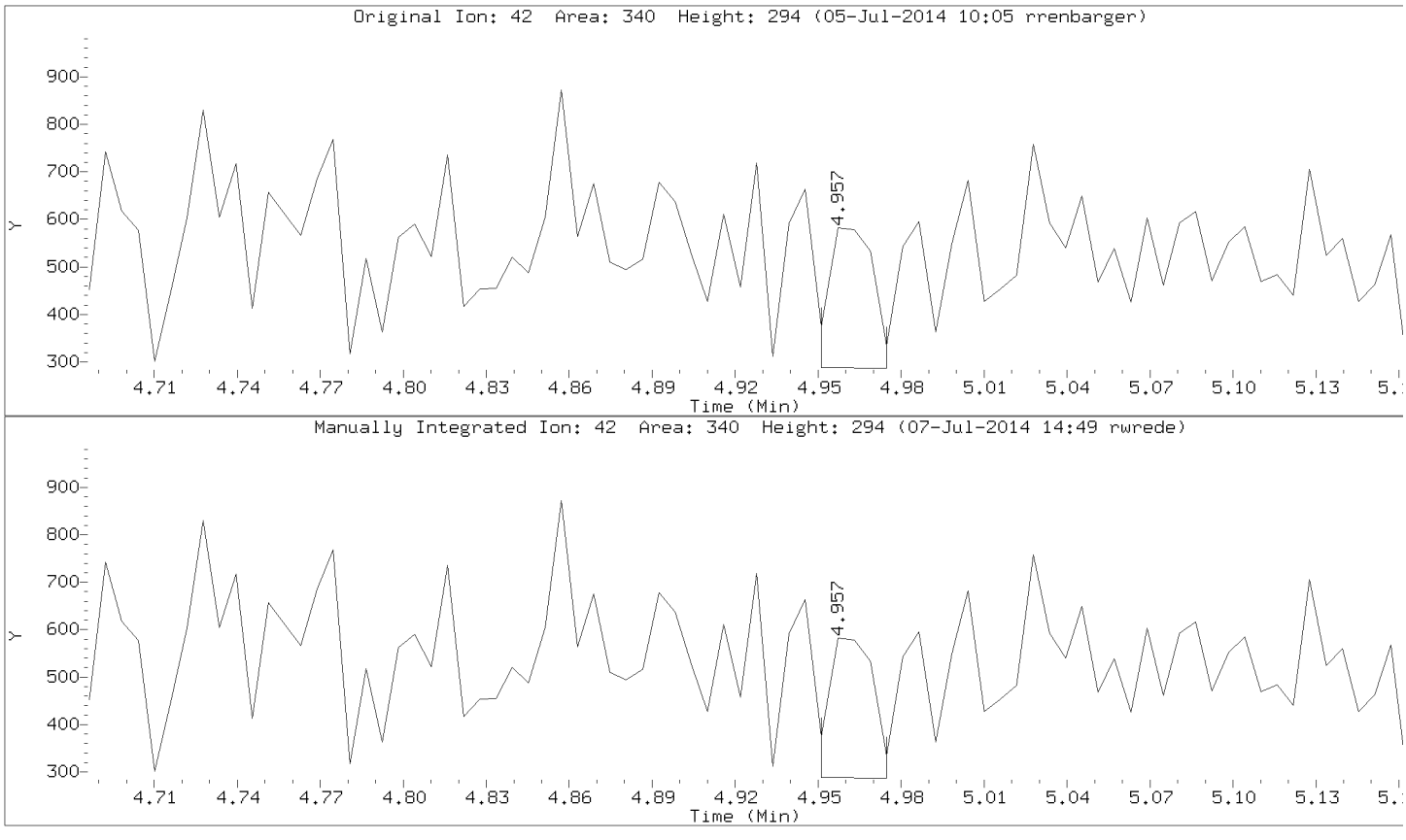
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1



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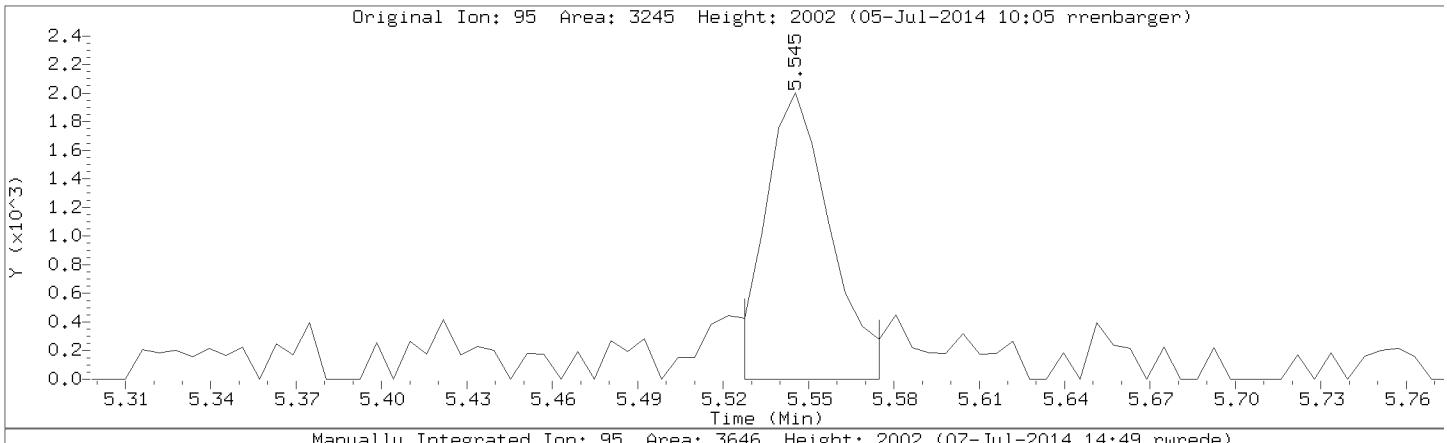
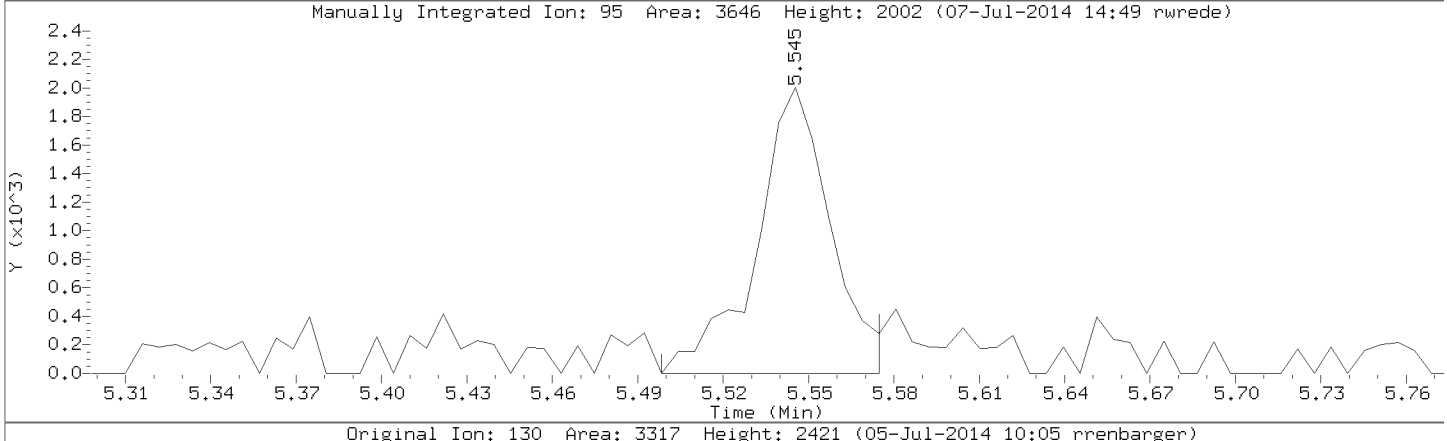
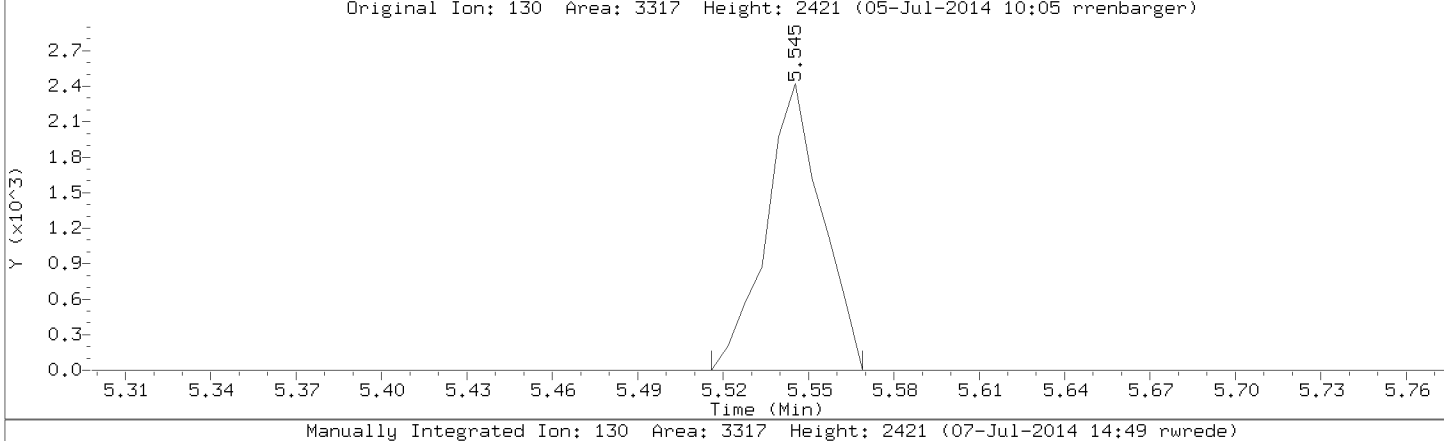
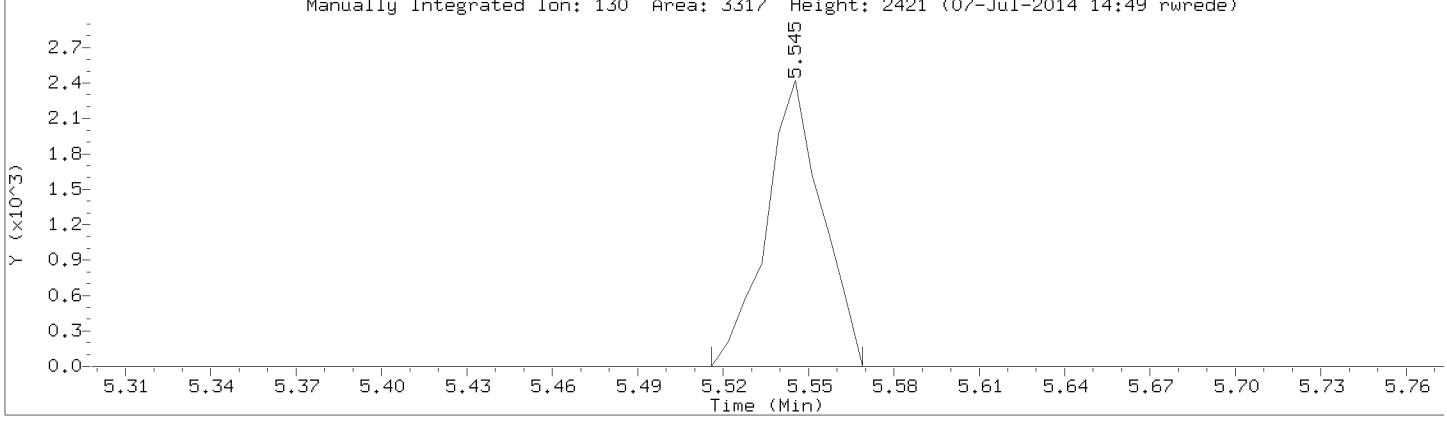
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Trichloroethene
CAS Number: 79-01-6









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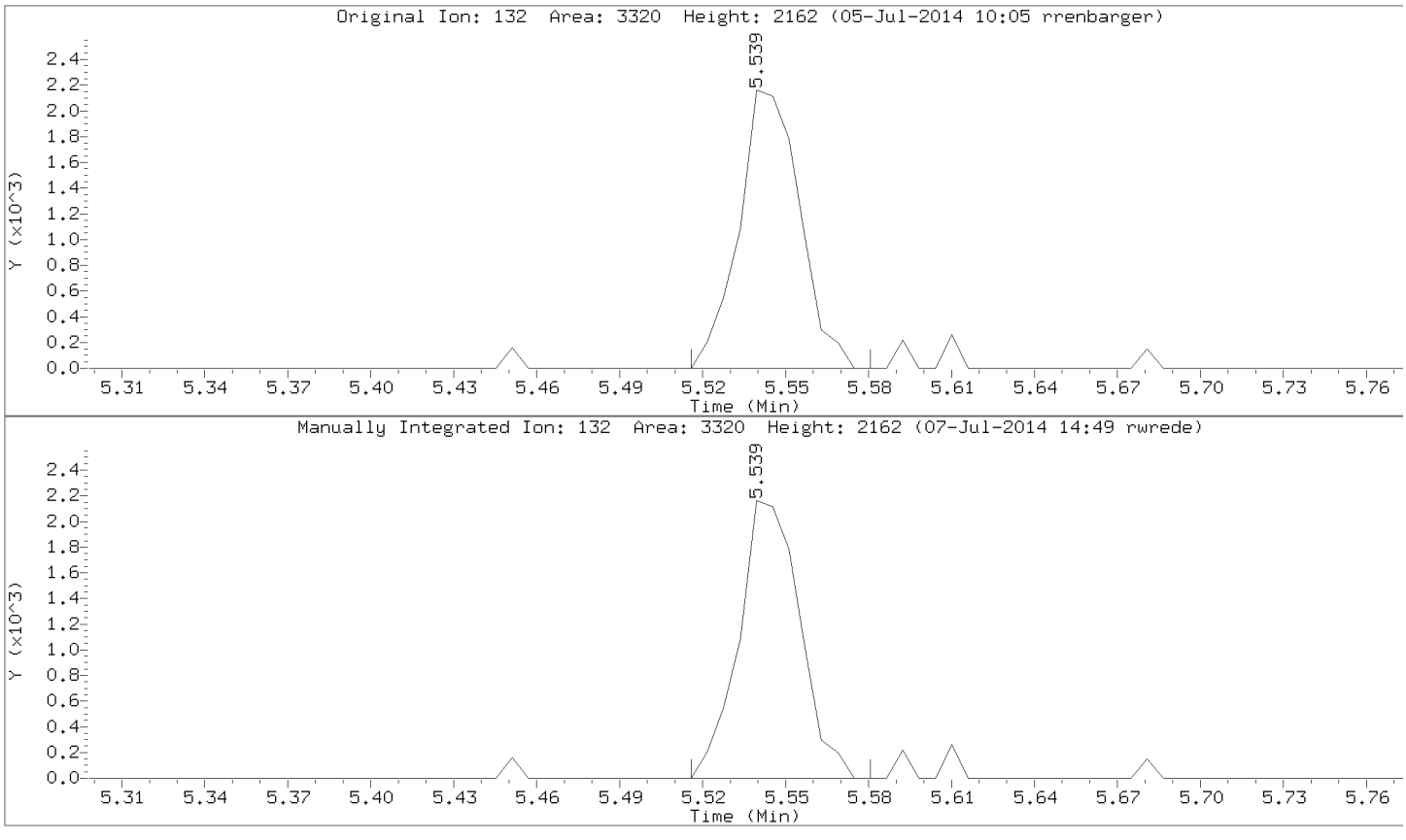
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1



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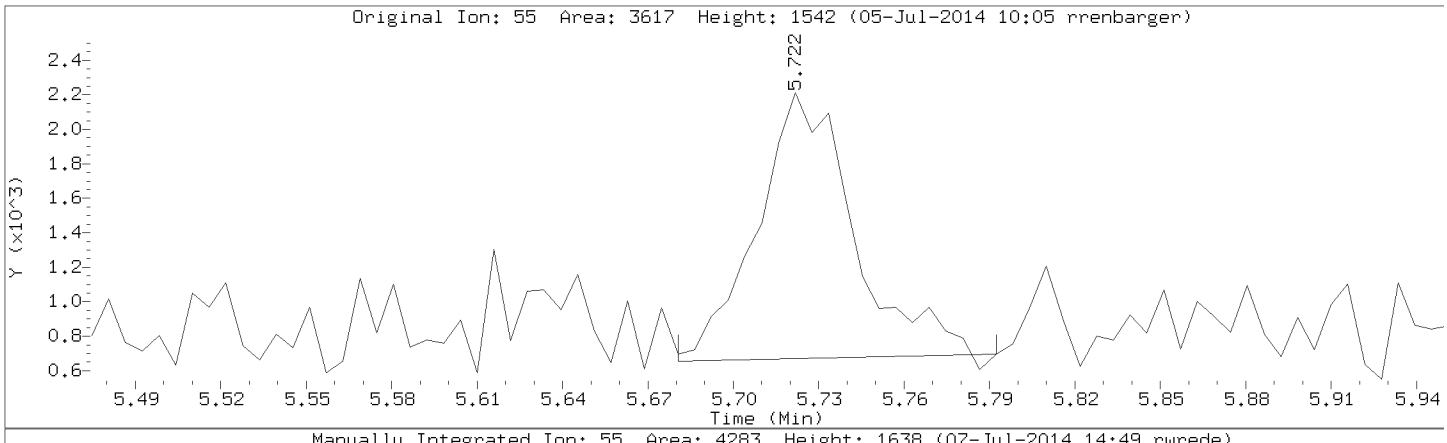
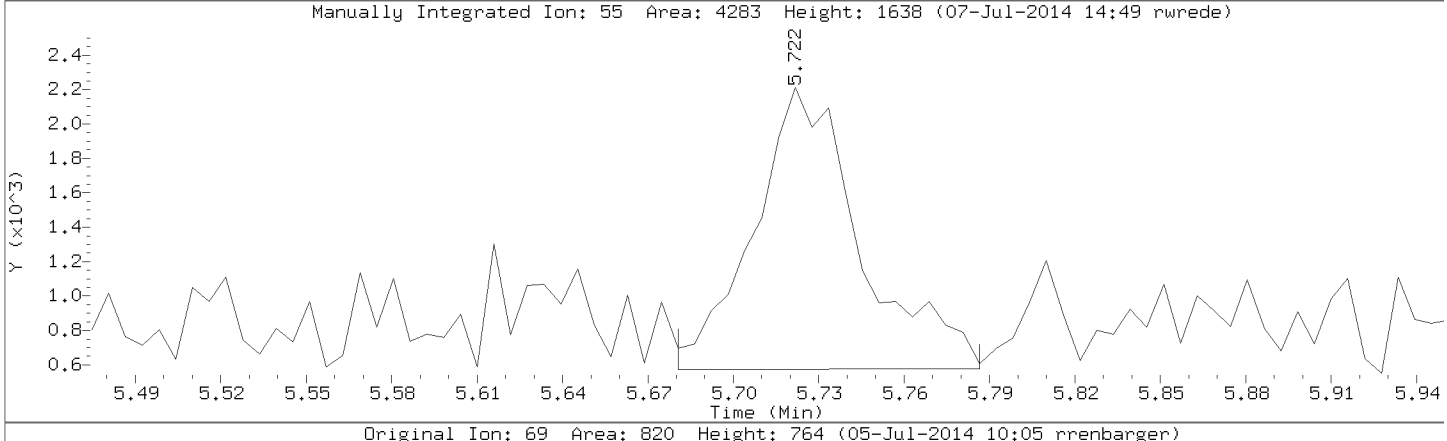
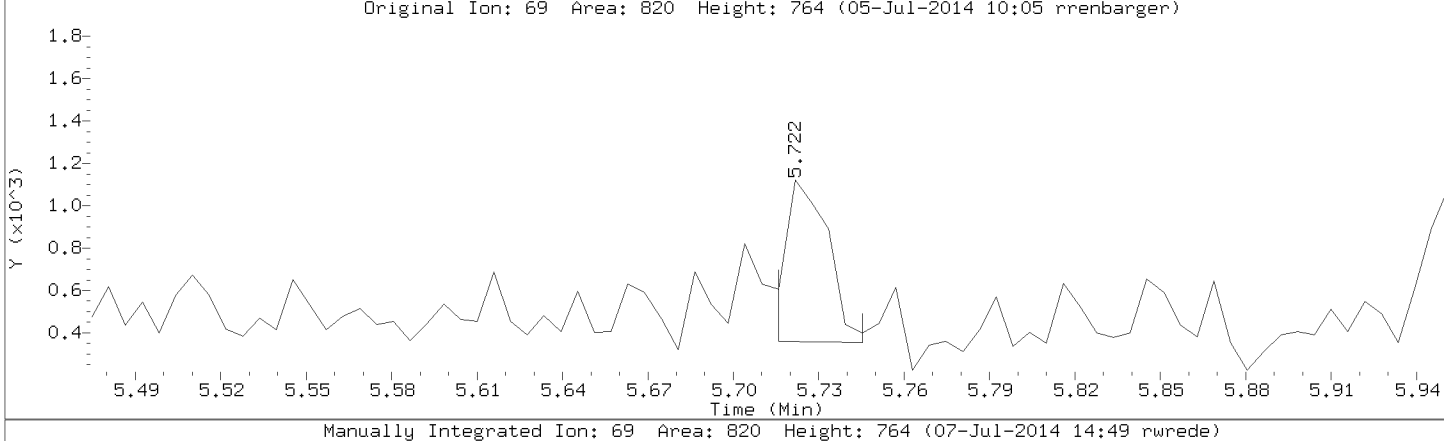
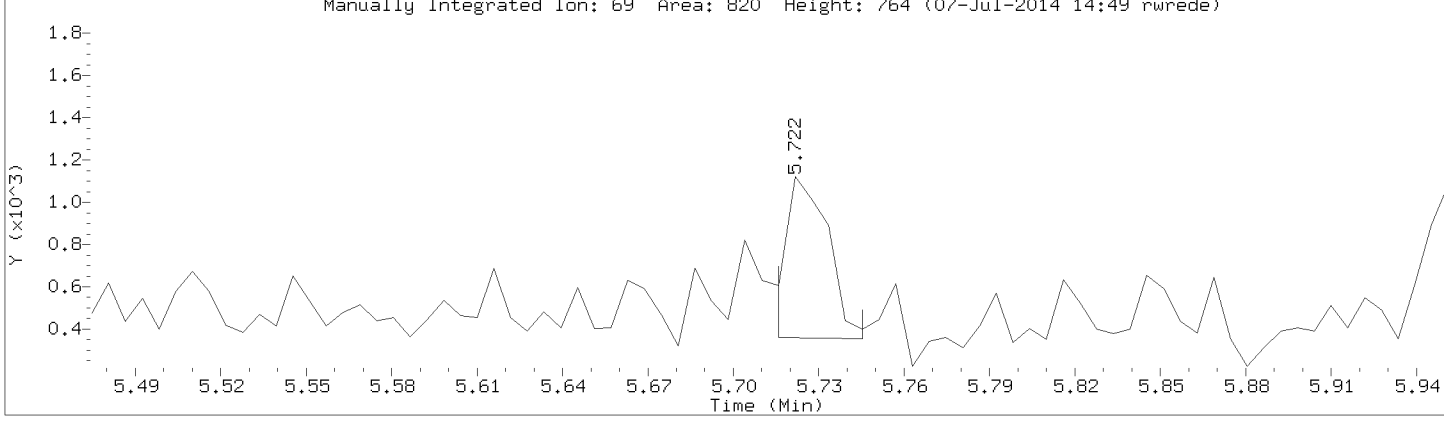
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Methylcyclohexane
CAS Number: 108-87-2









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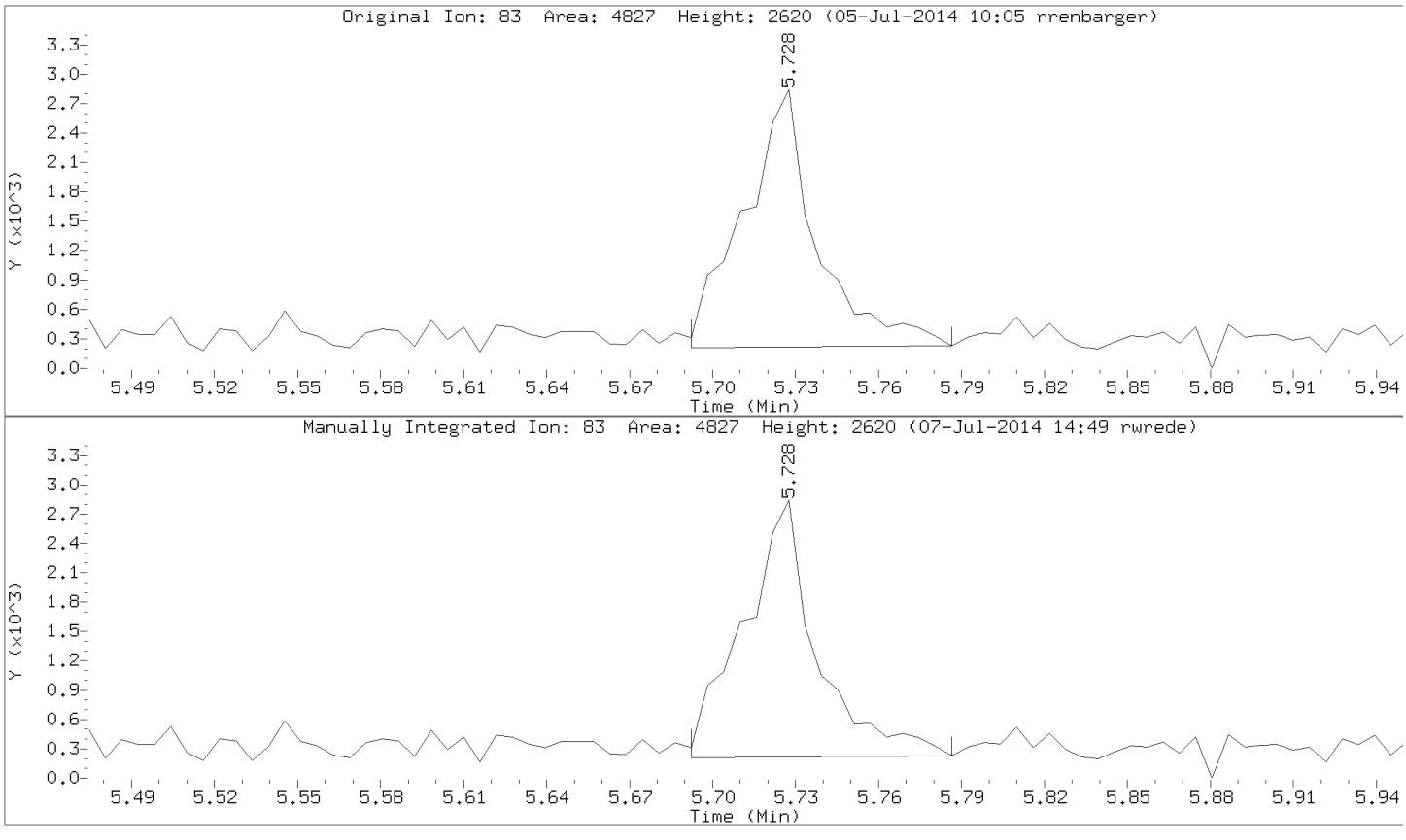
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1



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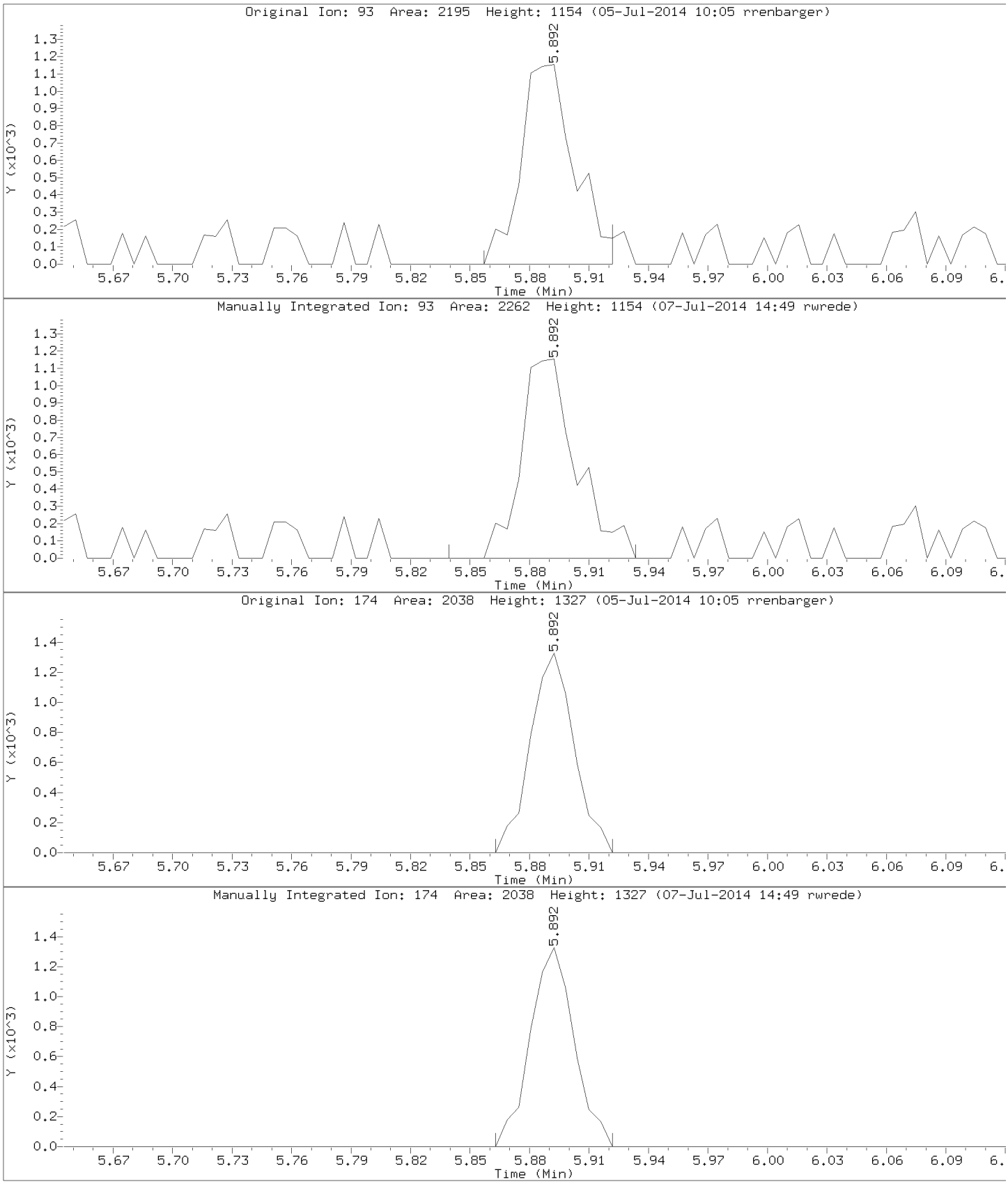
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Dibromomethane
CAS Number: 74-95-3



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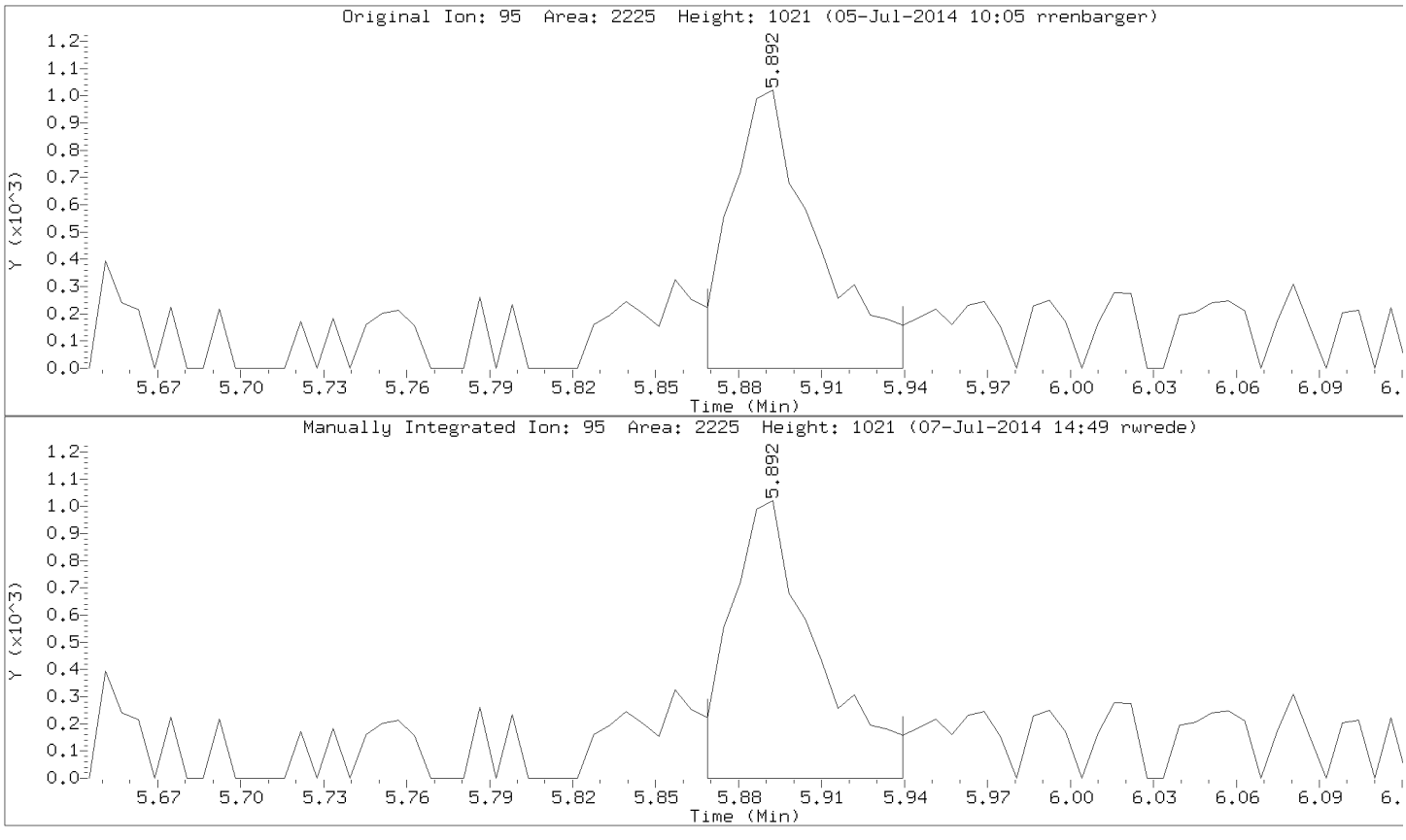

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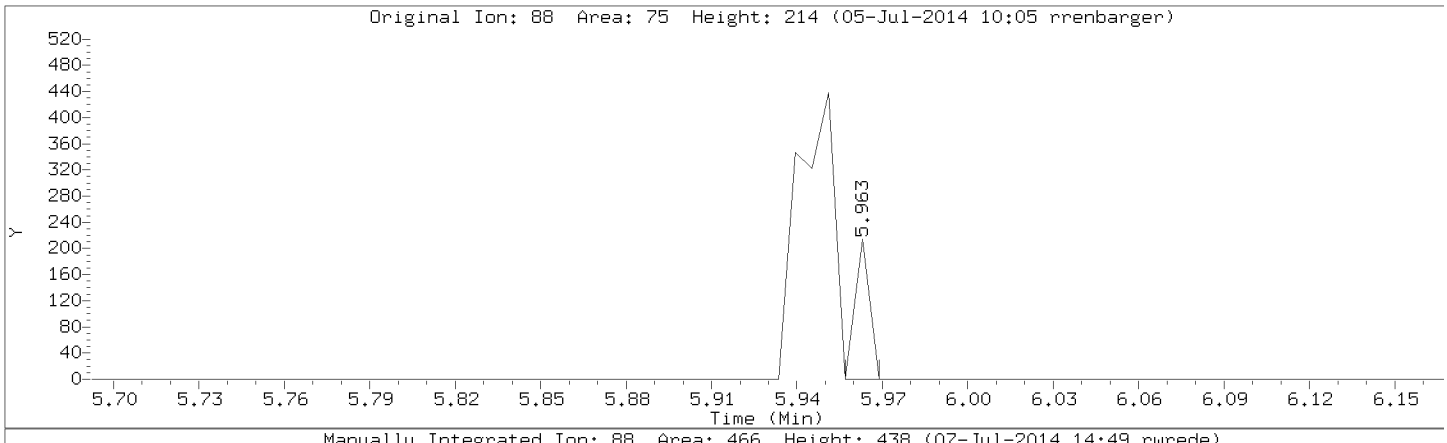
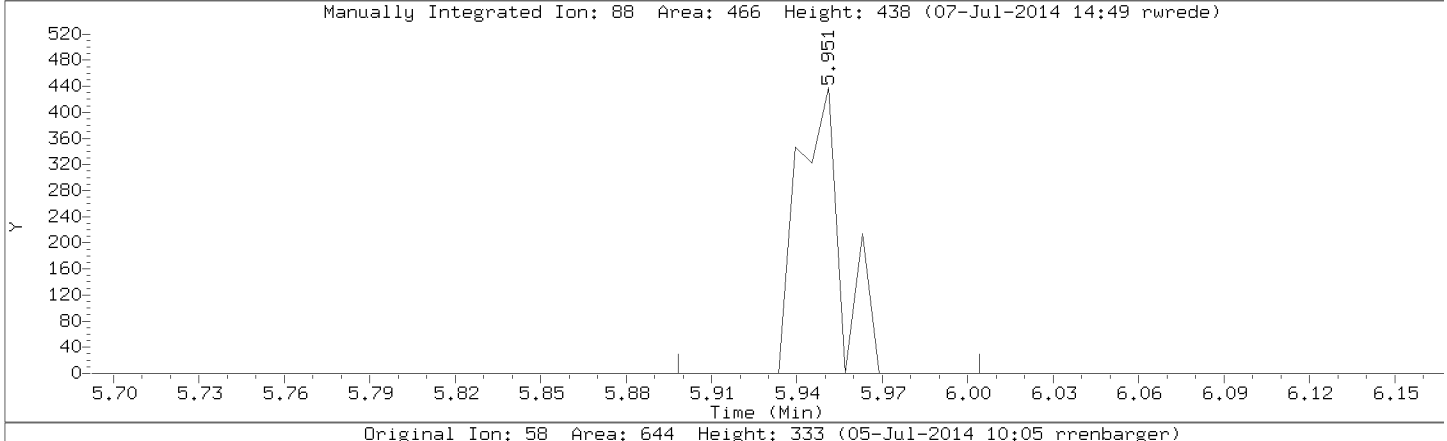
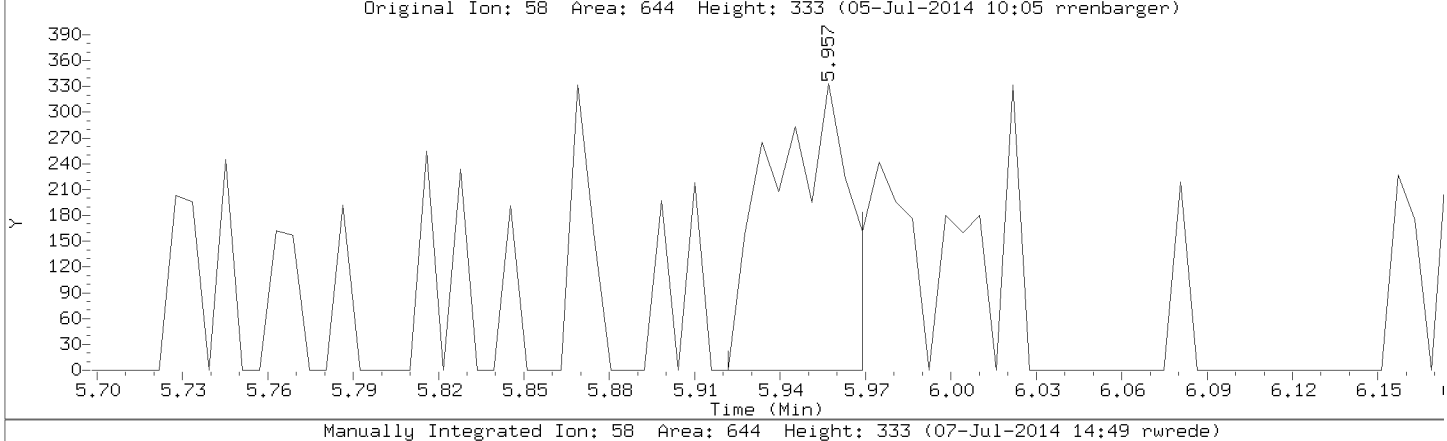
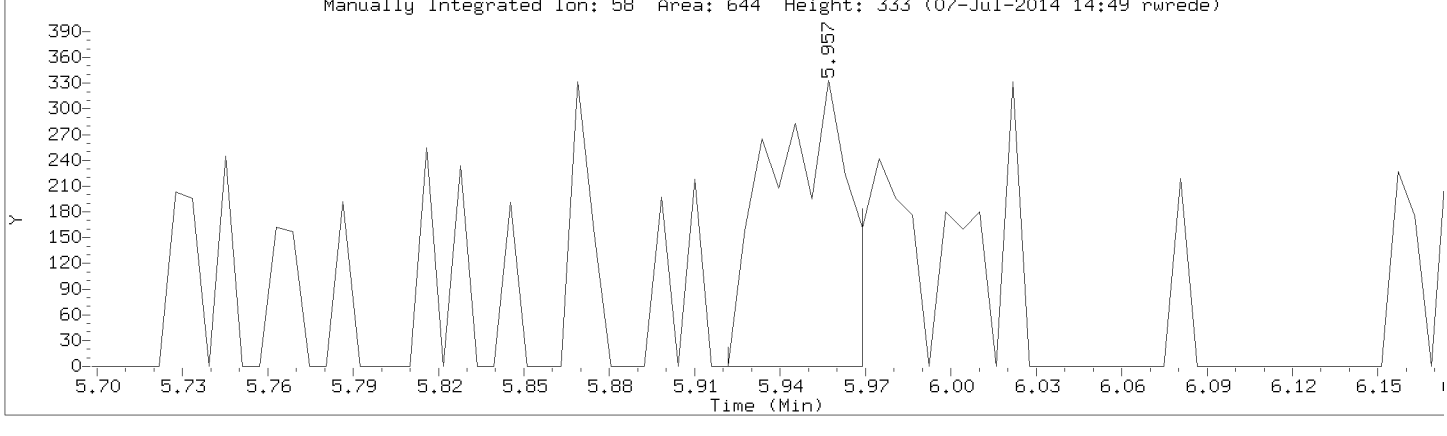
Lab Sample ID: 8260-CAL1

Compound: 1,4-Dioxane
CAS Number:









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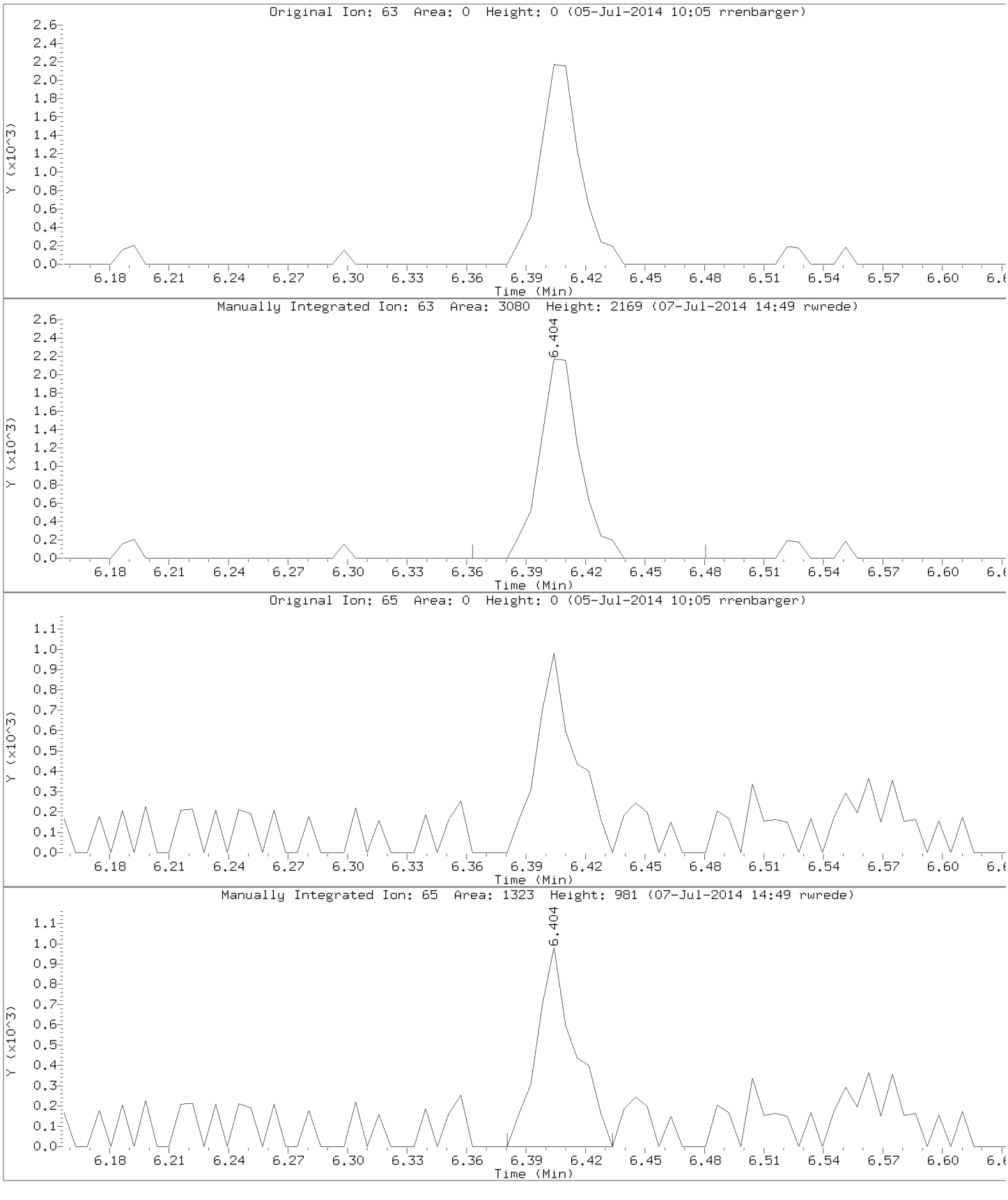
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 2-Chloroethyl vinyl ether
CAS Number: 110-75-8



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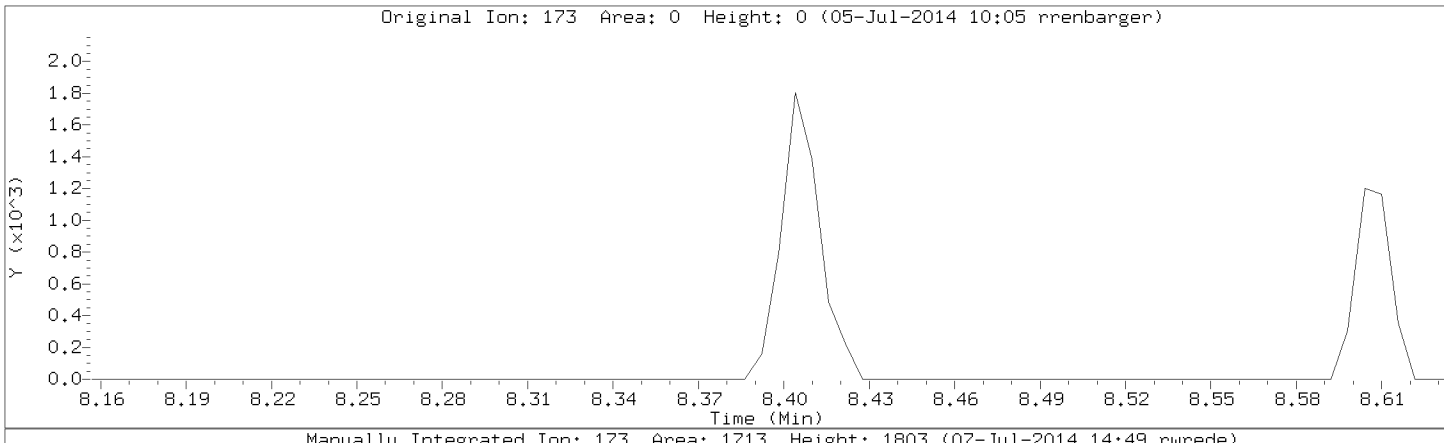
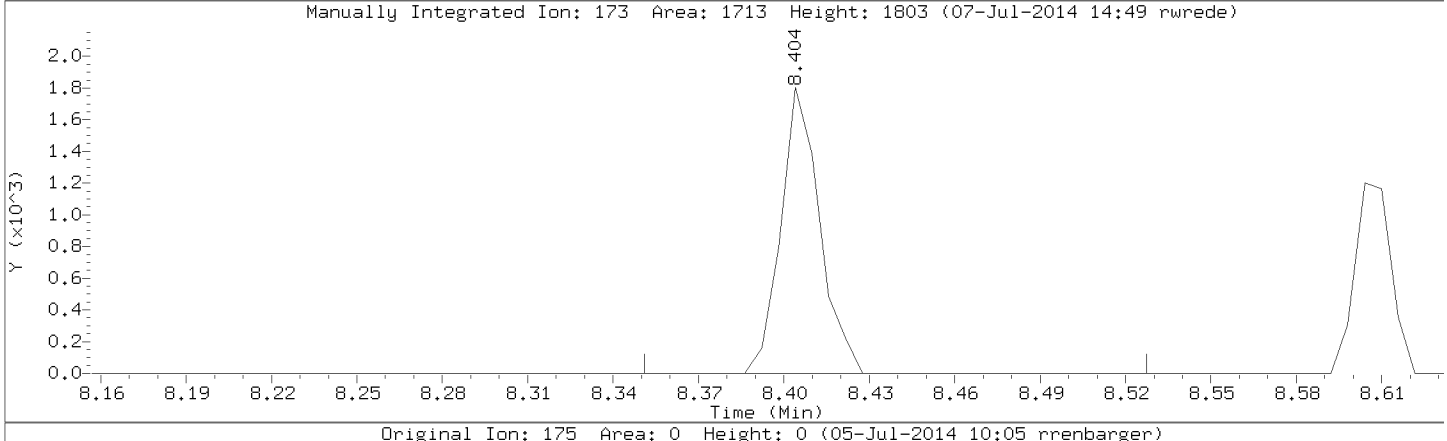
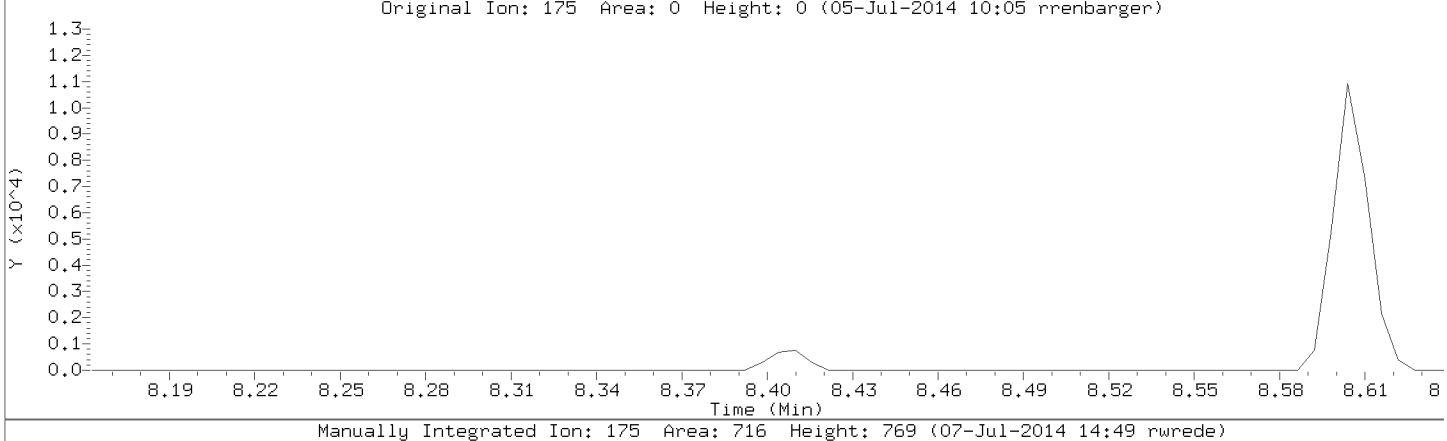
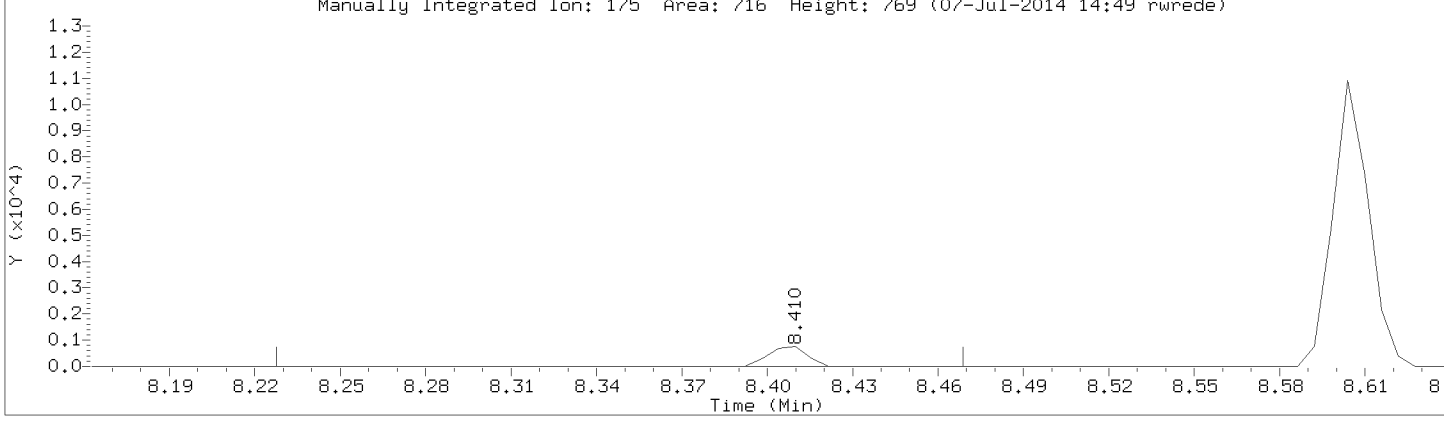
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: Bromoform
CAS Number: 75-25-2









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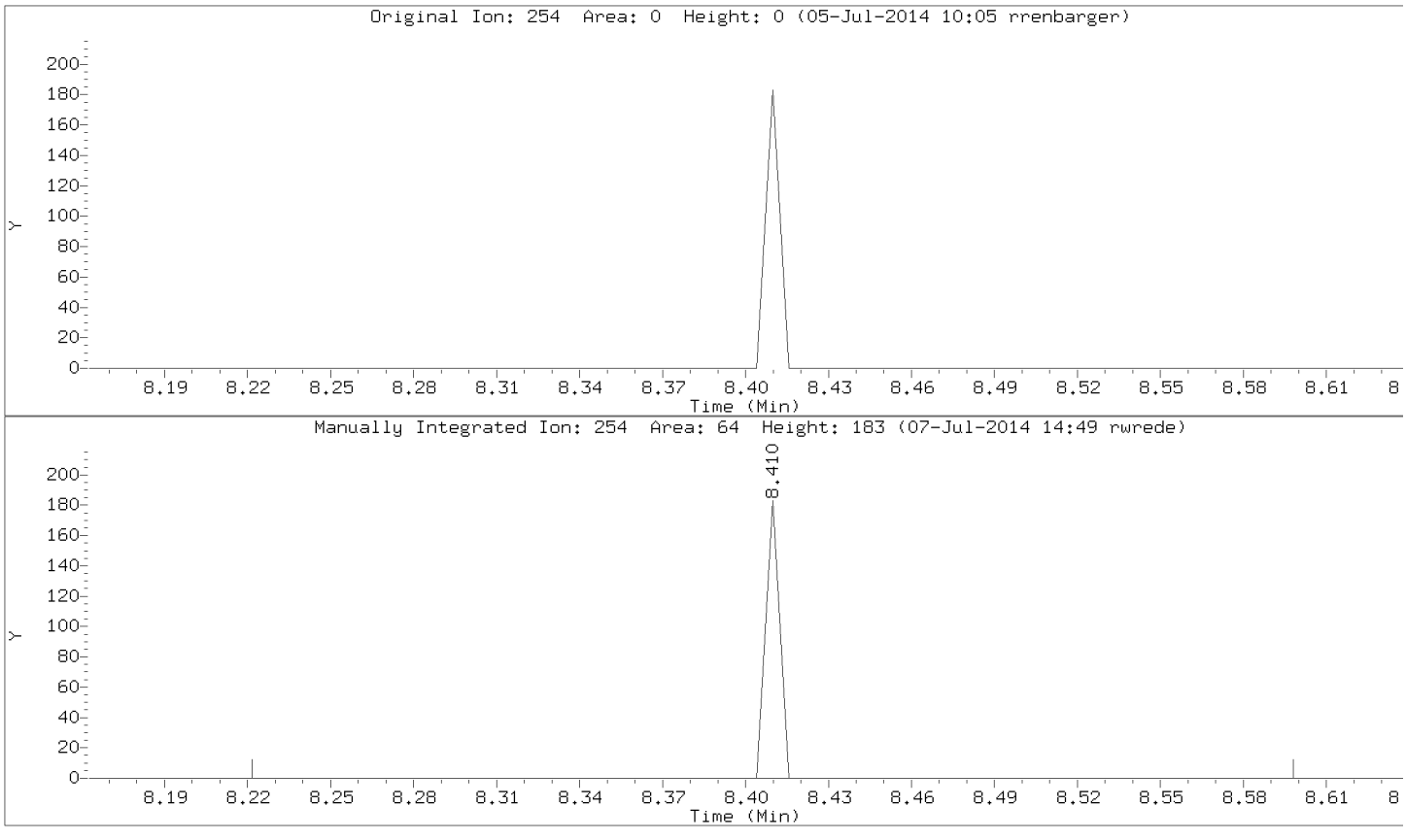

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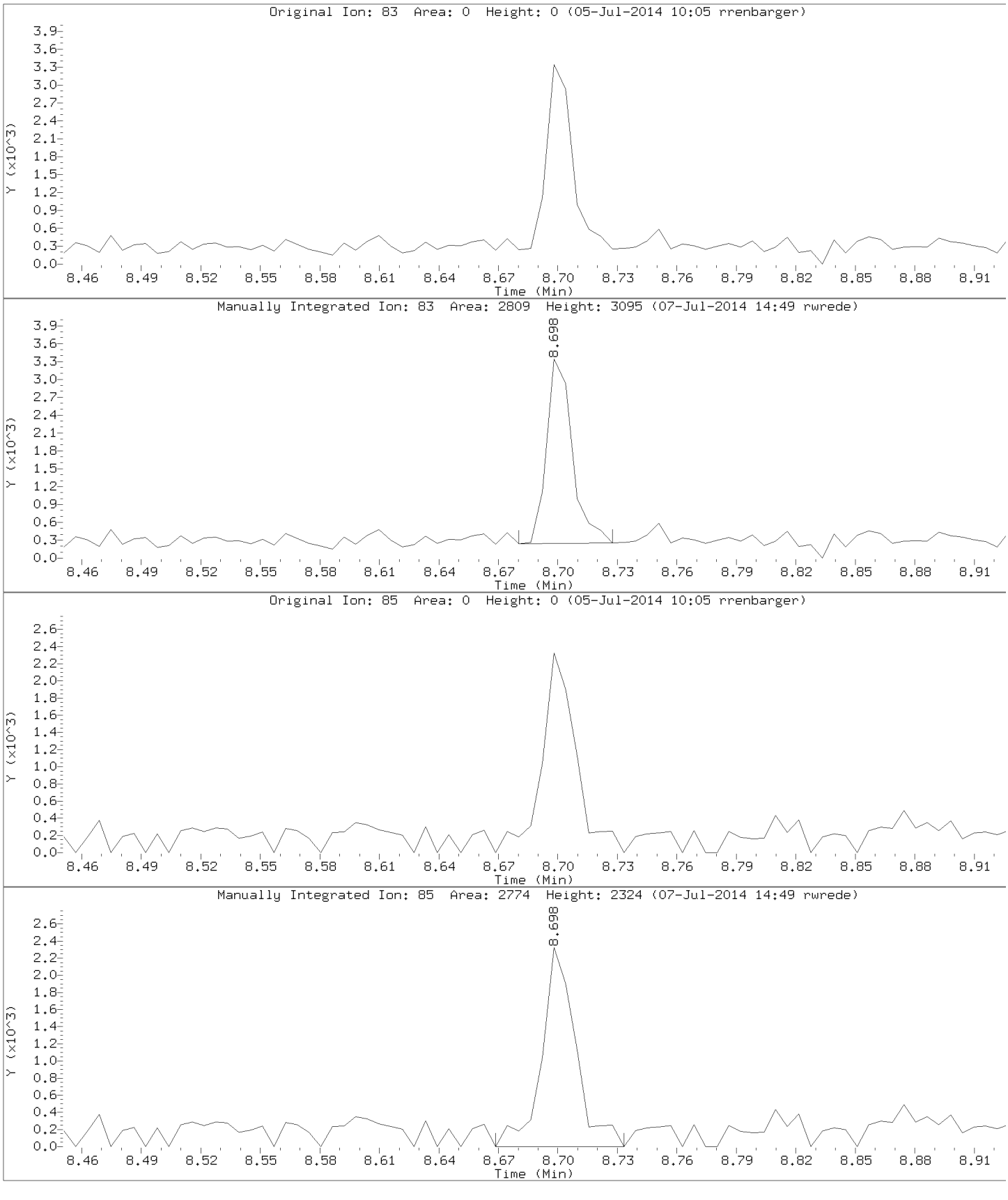
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5



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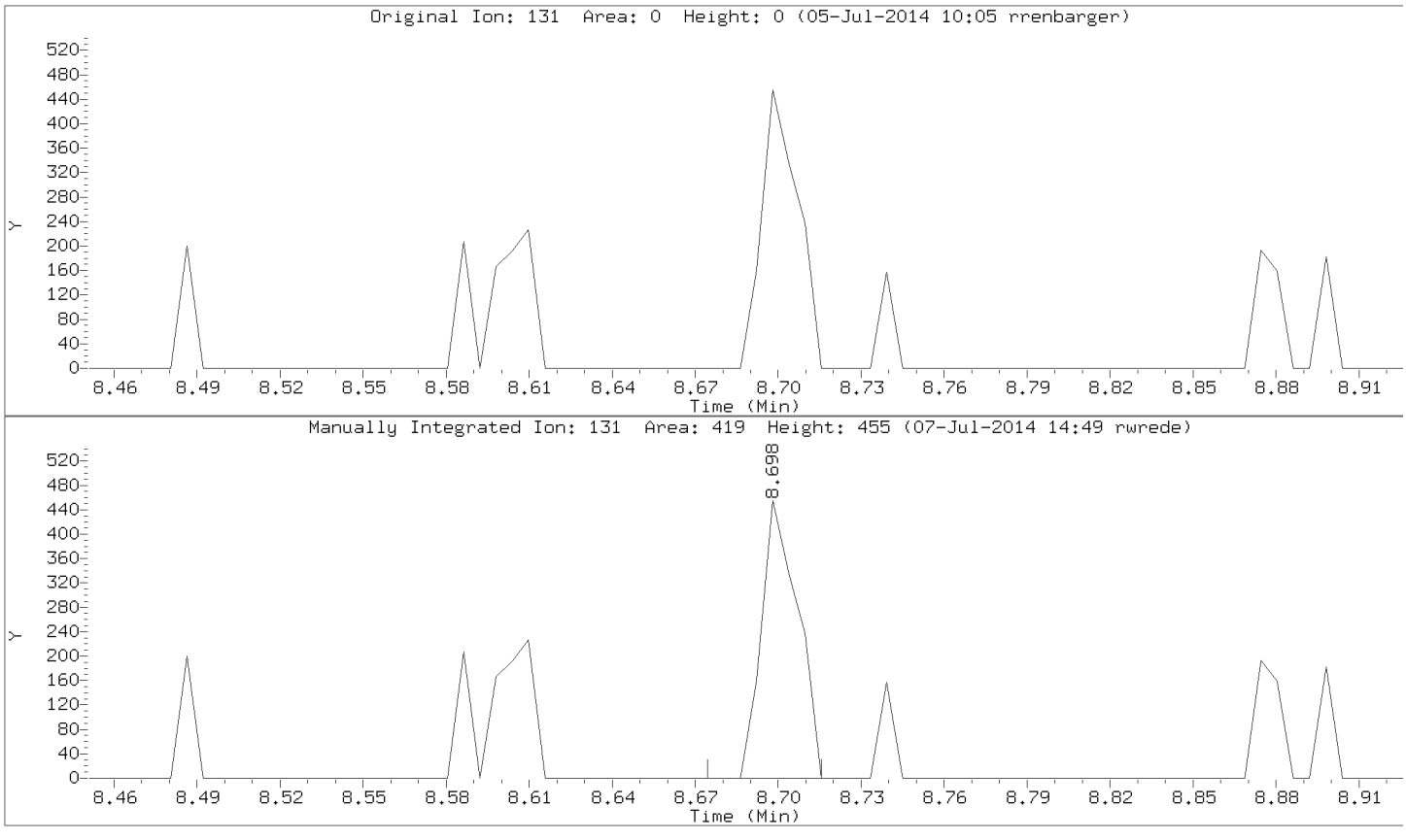
Lab Sample ID: 8260-CAL1



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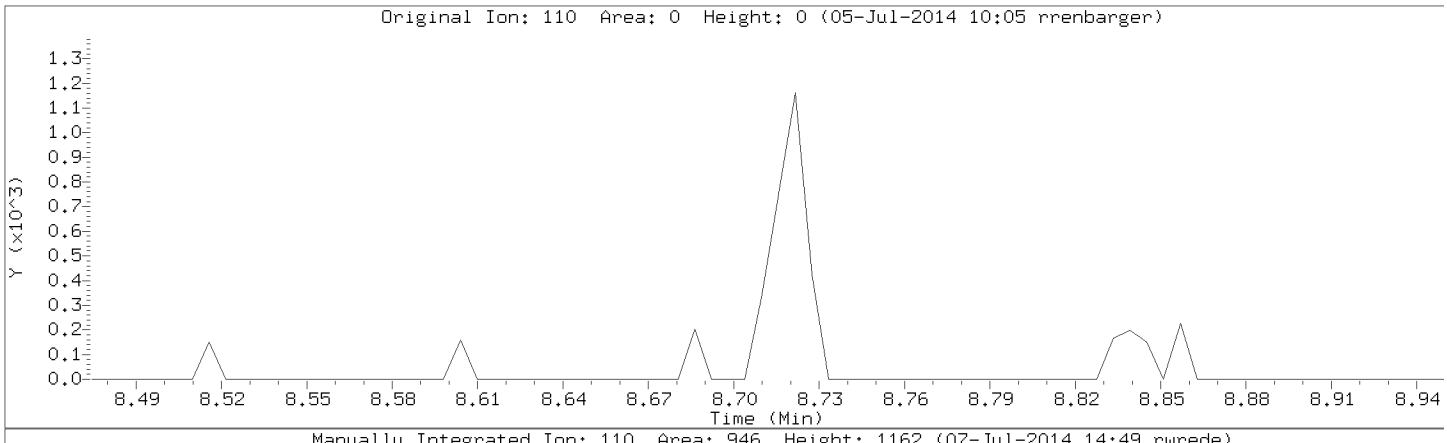
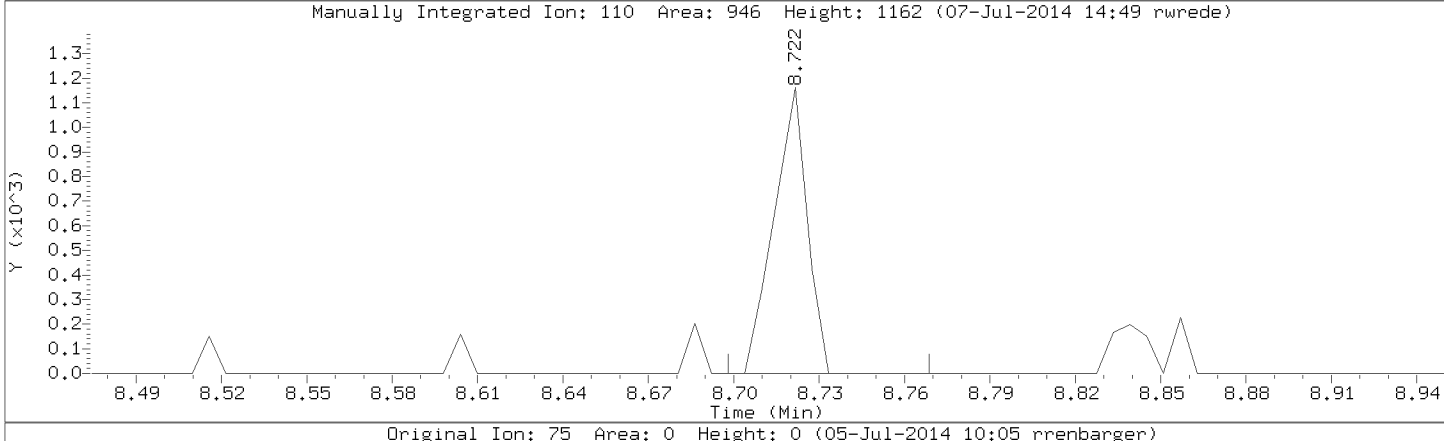
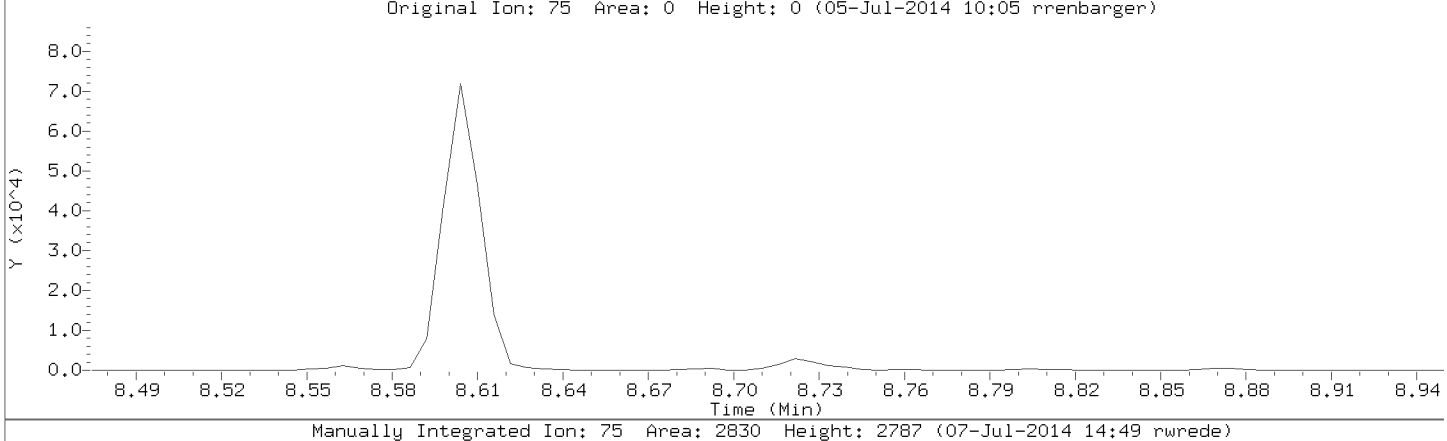
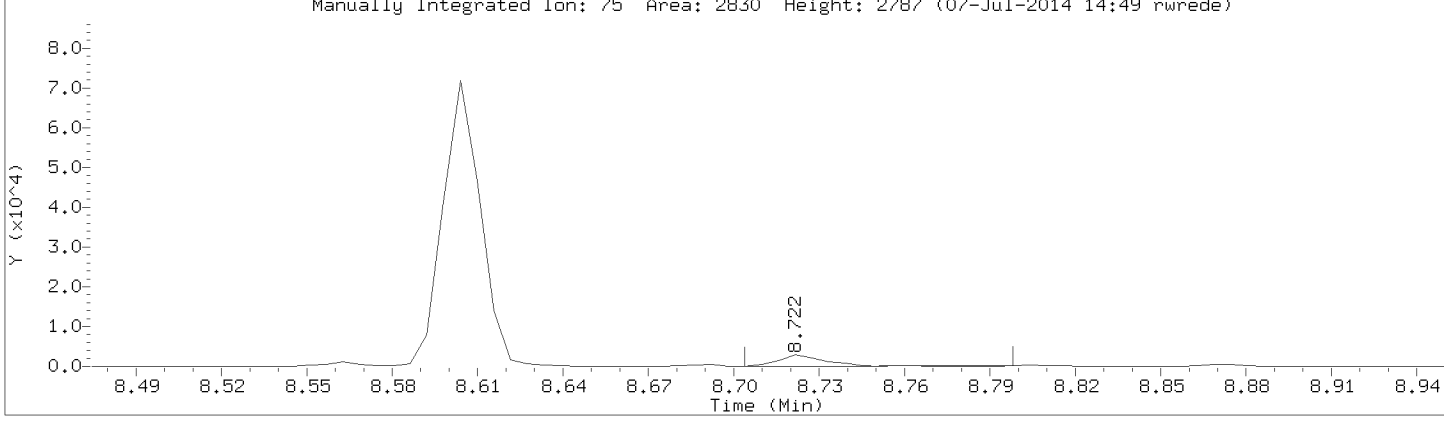
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2,3-Trichloropropane
CAS Number: 96-18-4









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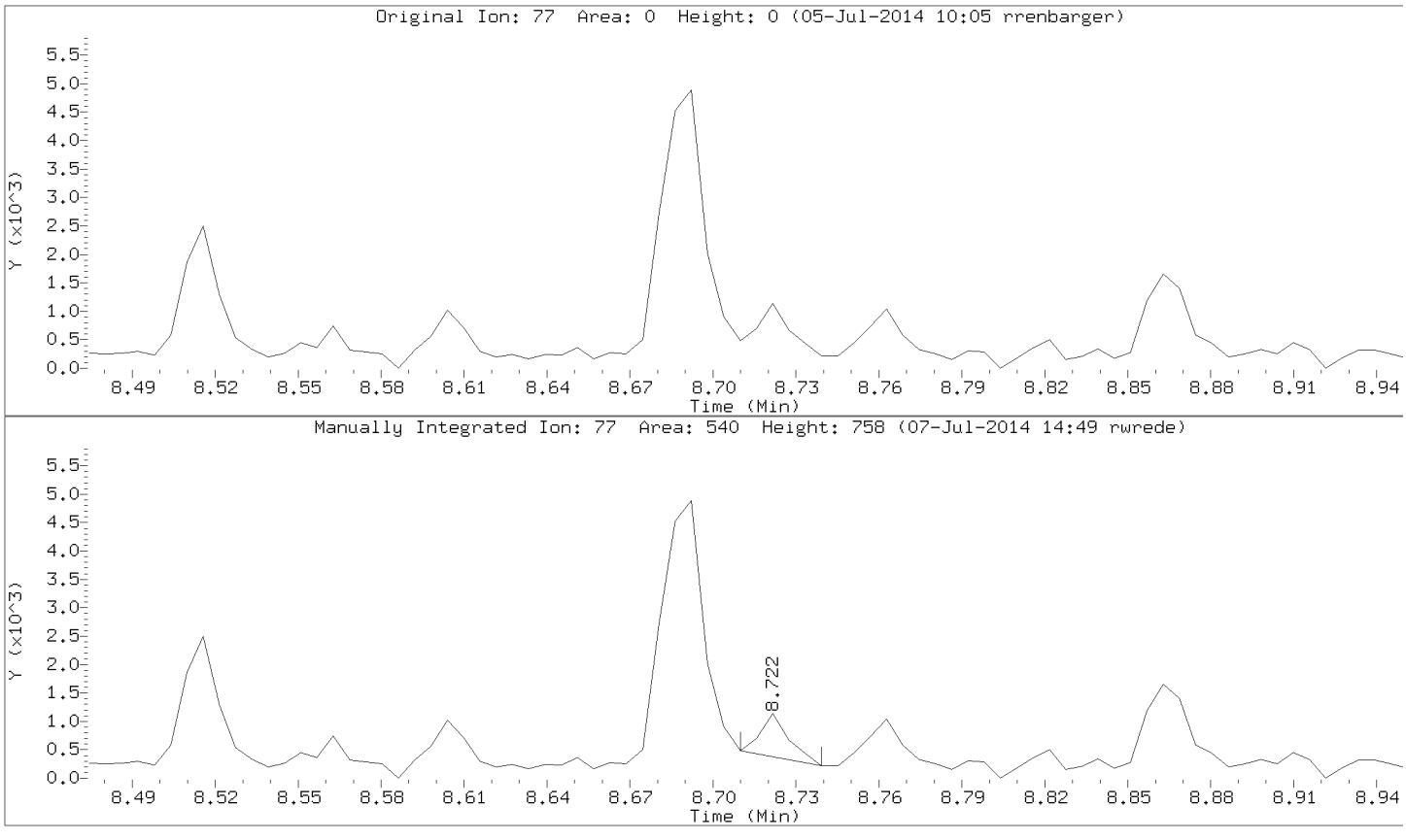

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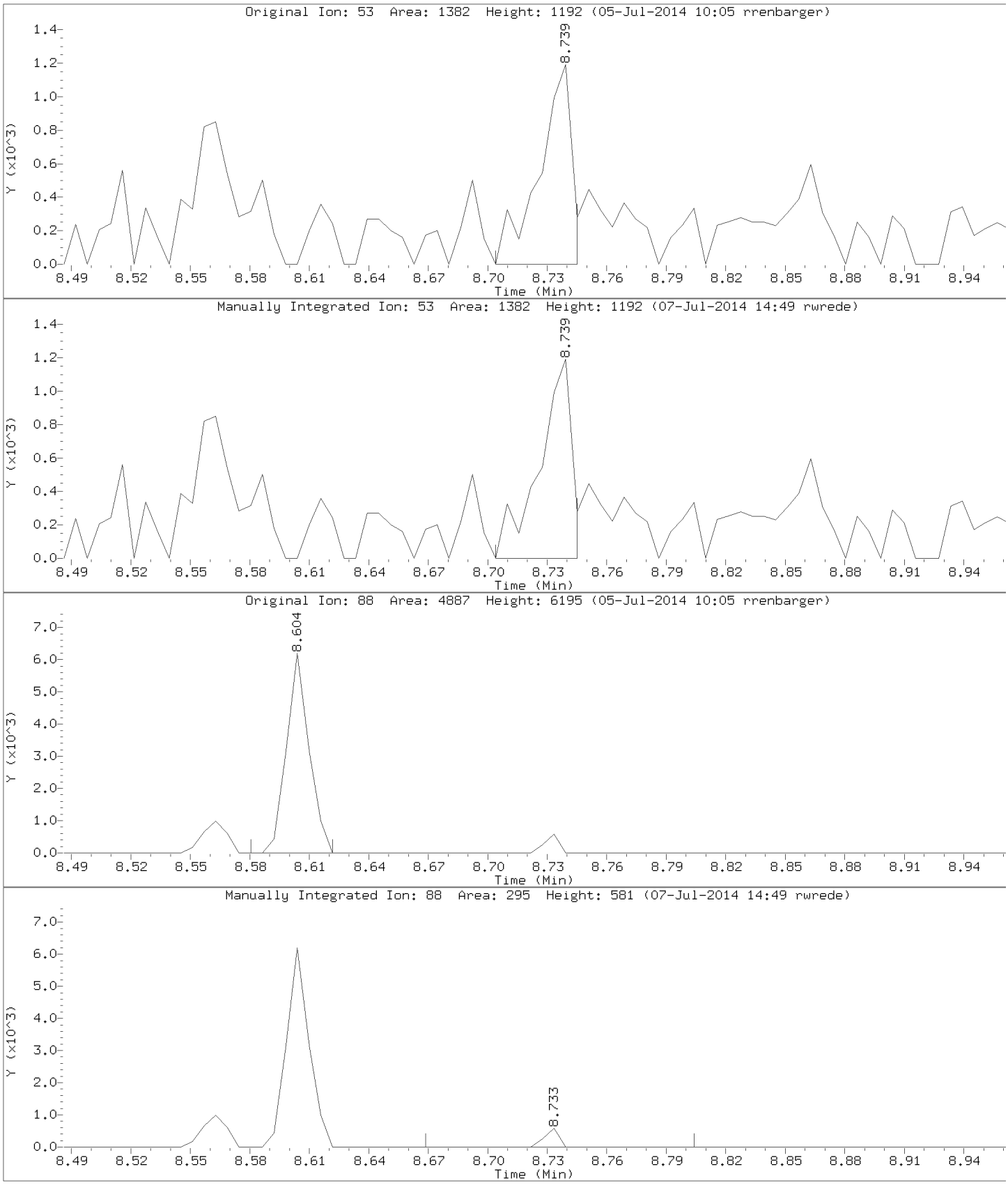
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

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



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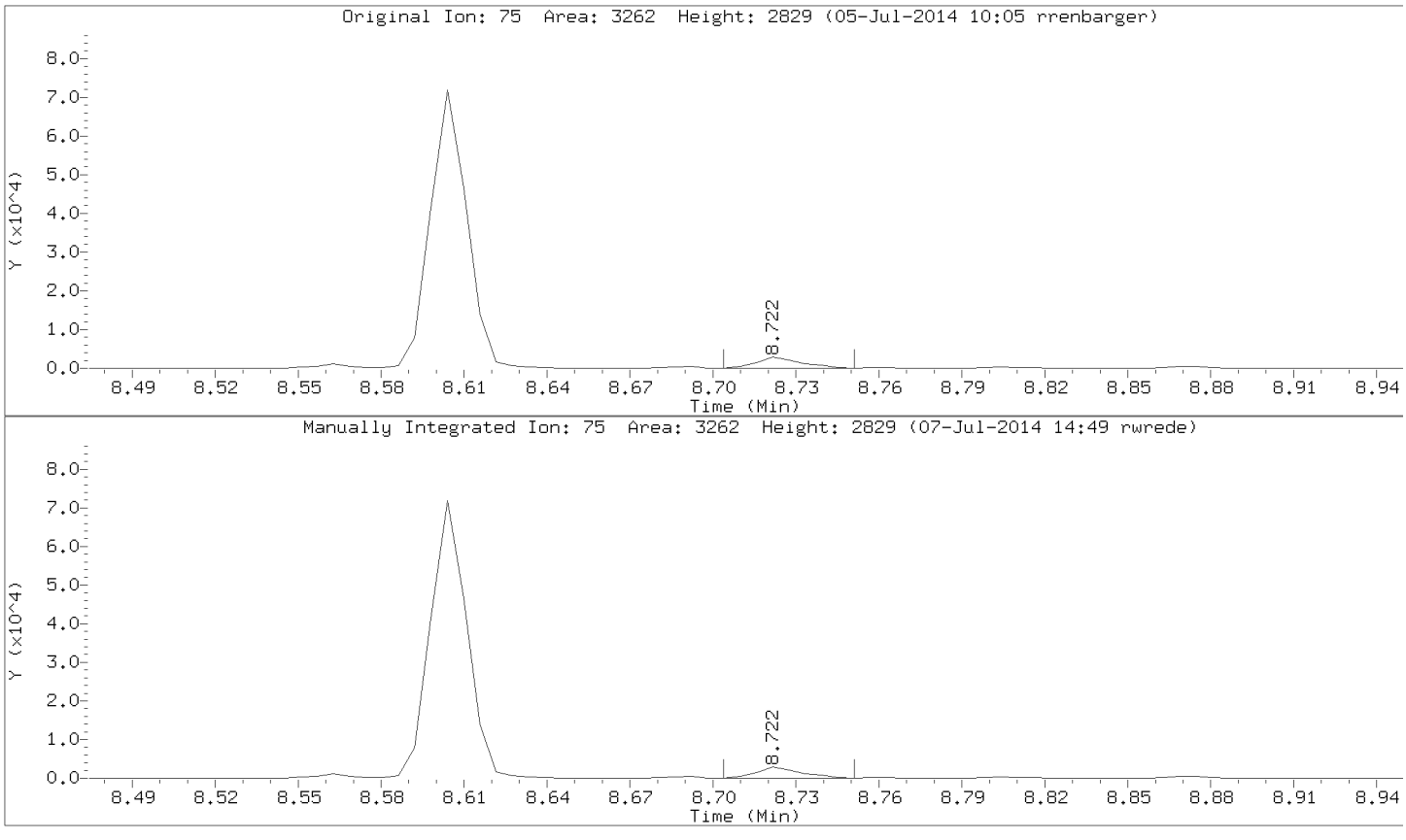
Lab Sample ID: 8260-CAL1



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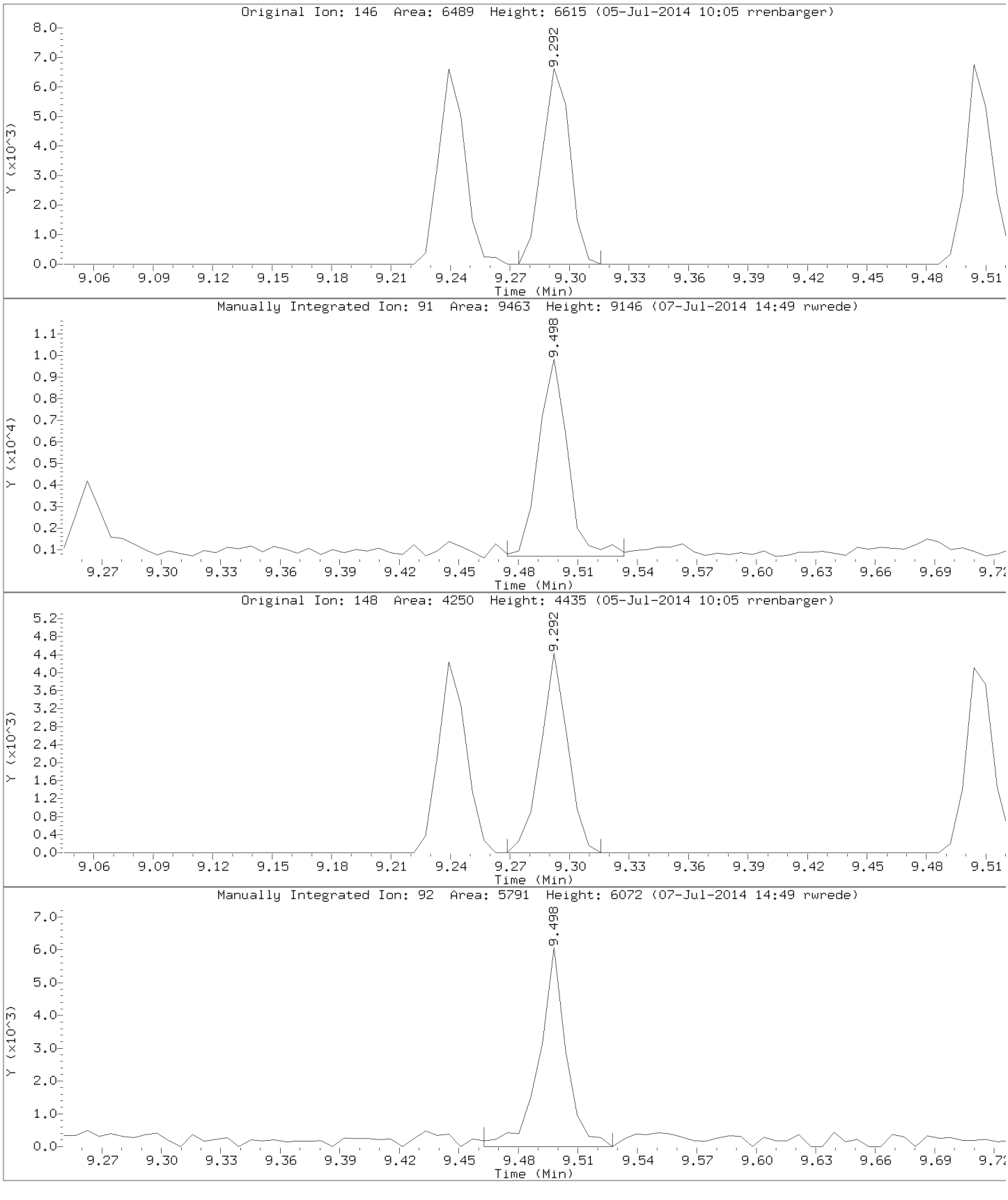
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: n-Butylbenzene
CAS Number: 104-51-8



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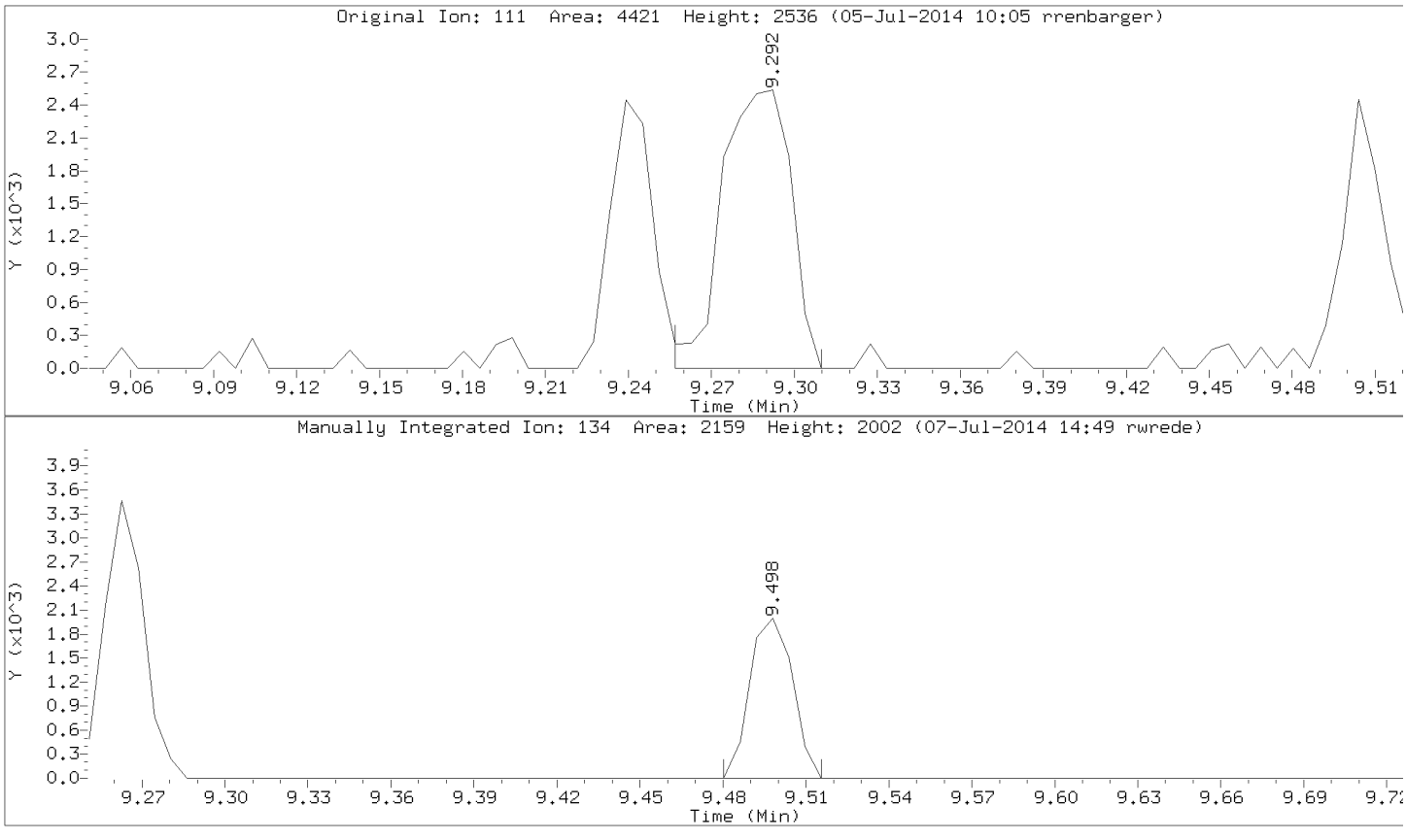

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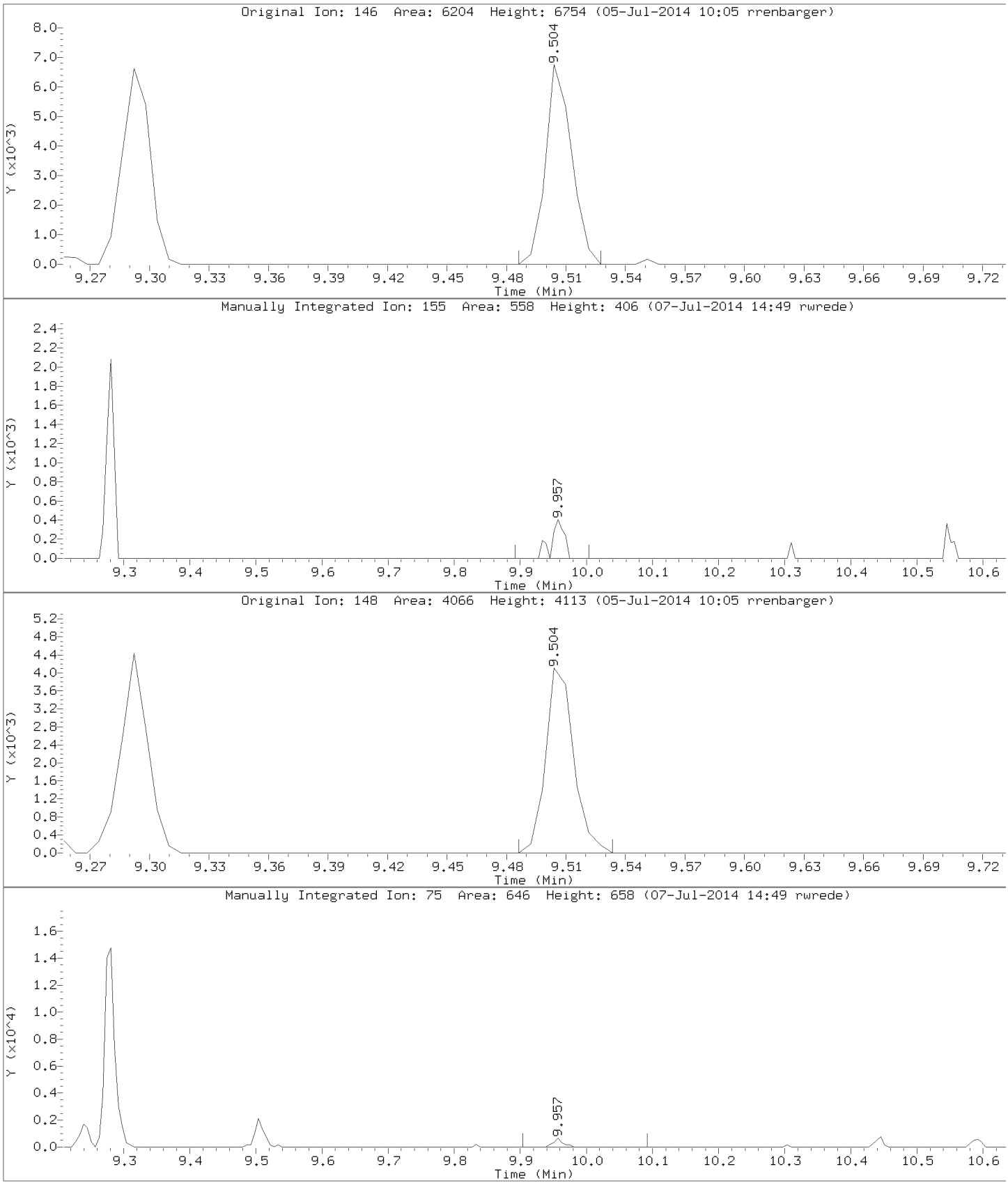
Injection Date: 04-JUL-2014 00:17
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL1

Compound: 1,2-Dibromo-3-chloropropane
CAS Number: 96-12-8



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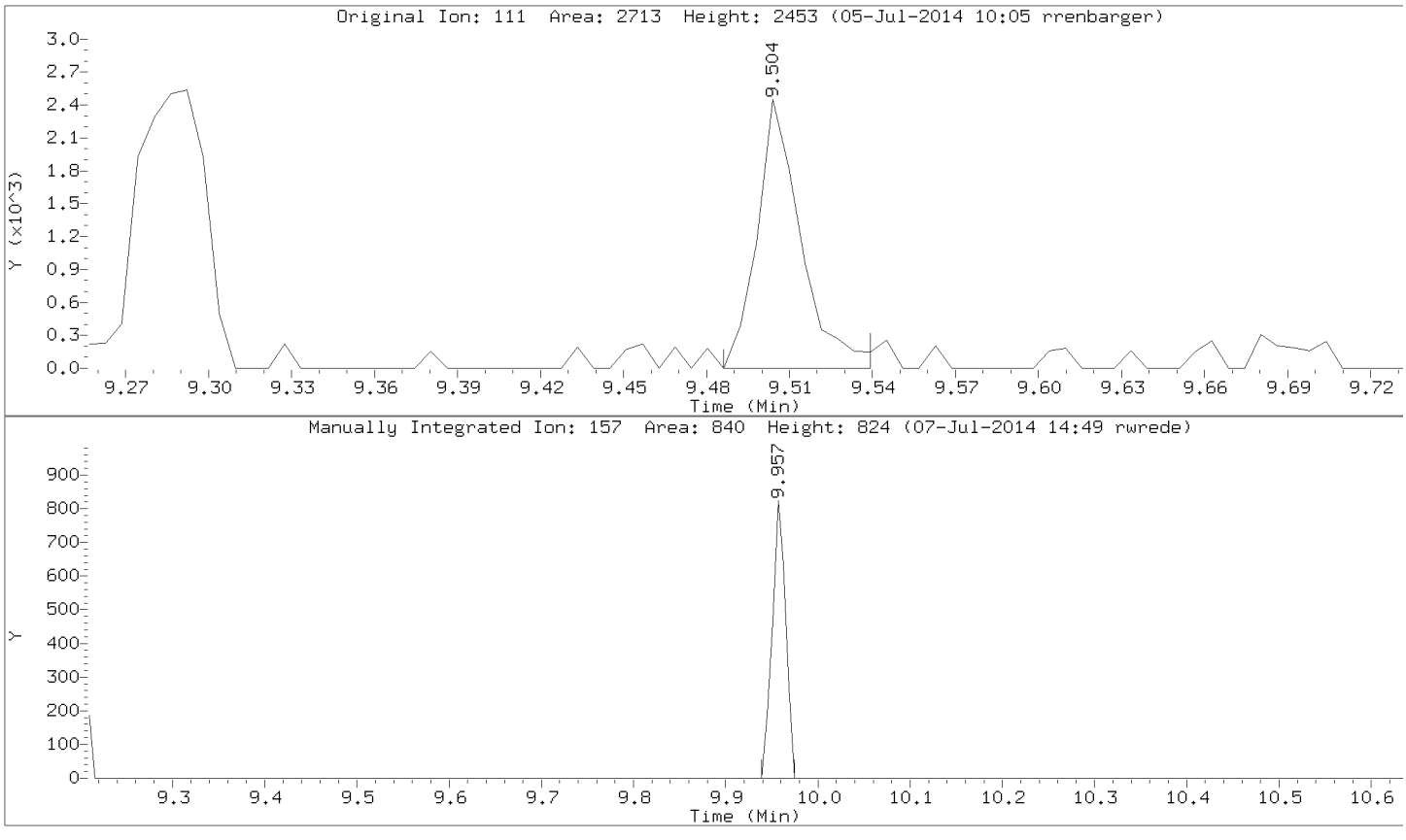

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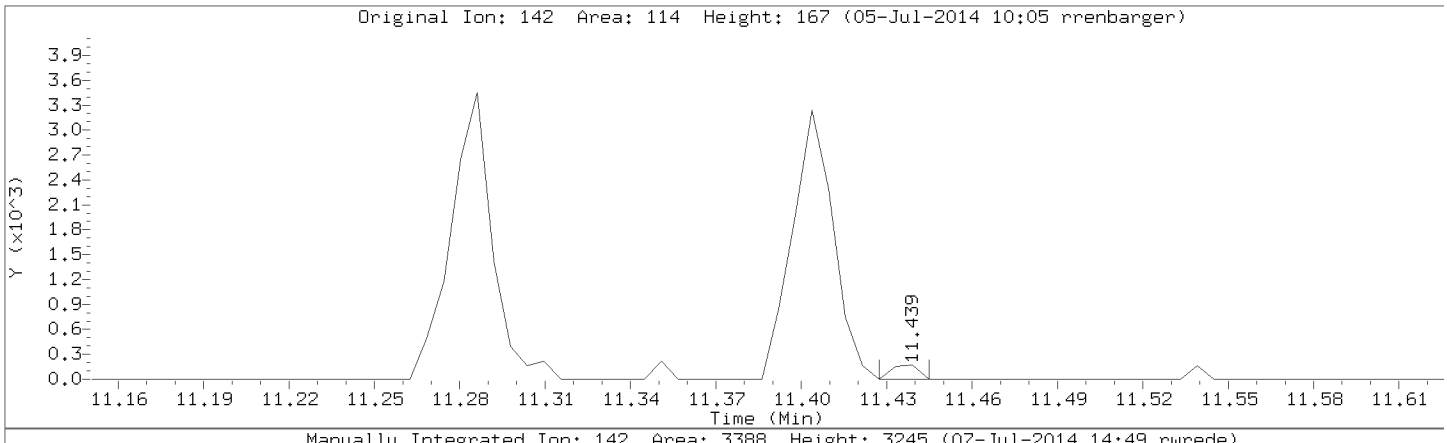
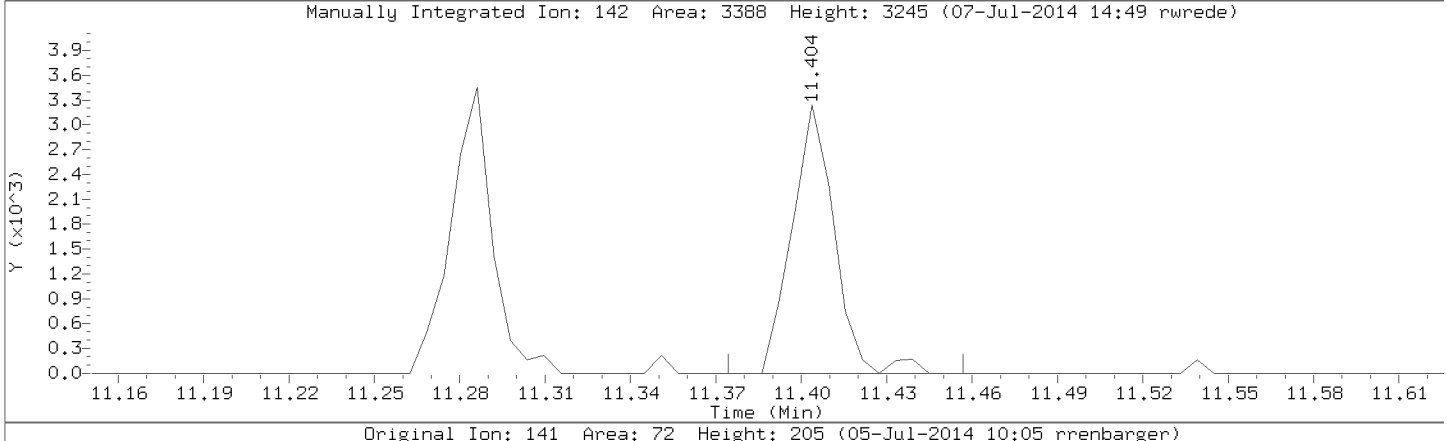
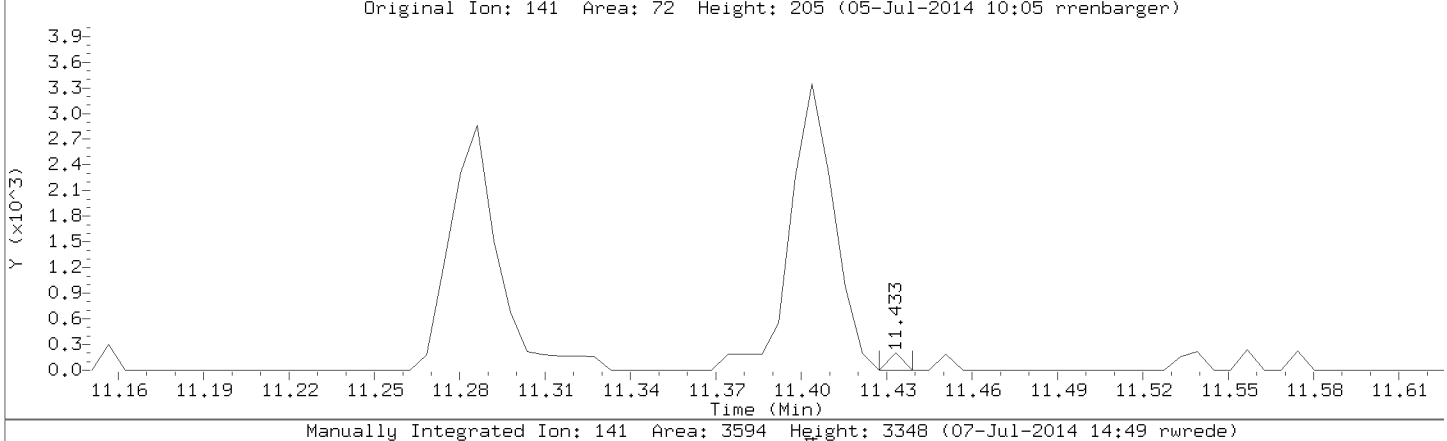
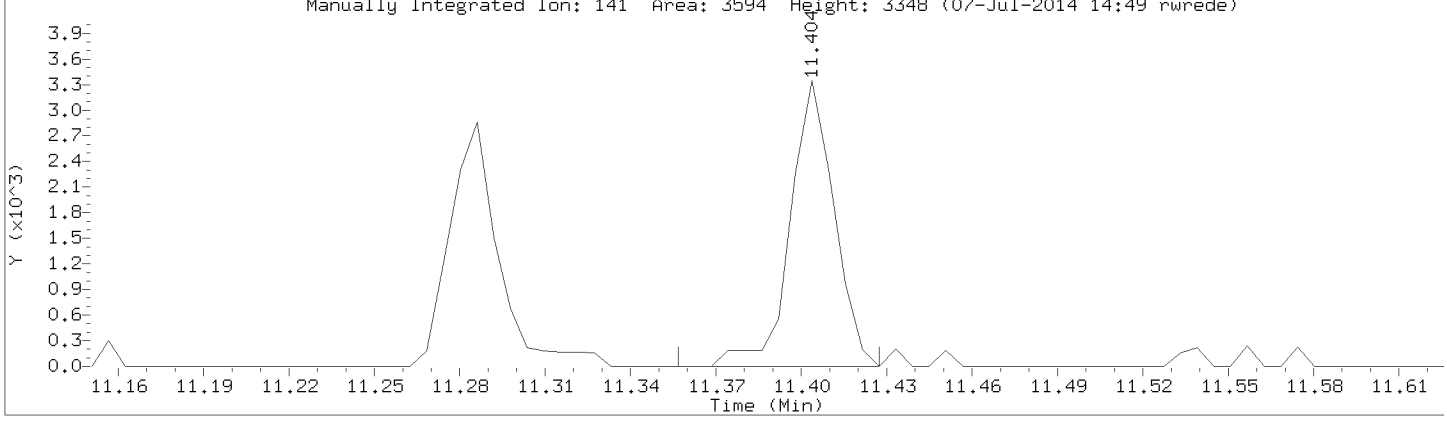
Lab Sample ID: 8260-CAL1

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









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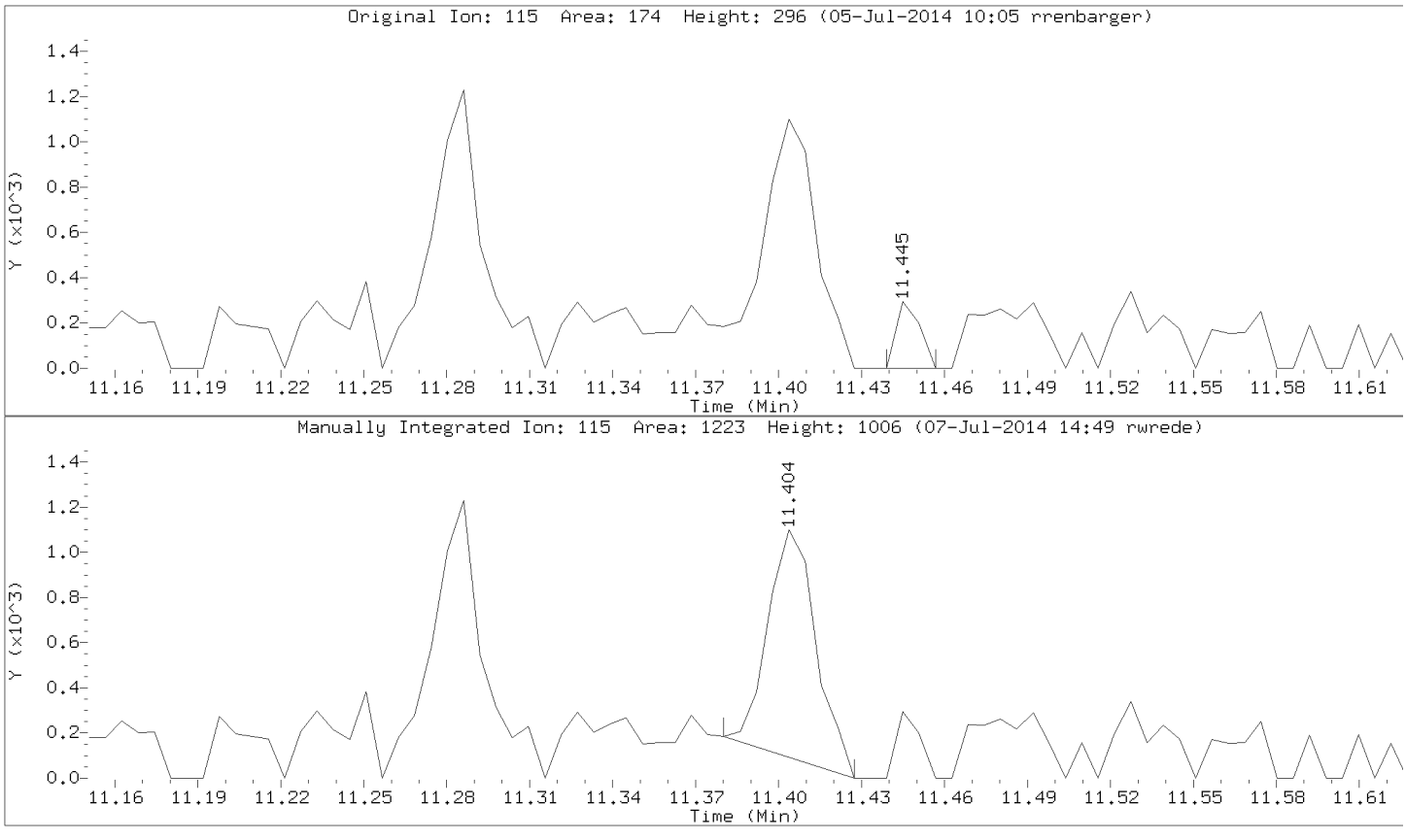
Lab Sample ID: 8260-CAL1



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a03.d
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Inj Date : 04-JUL-2014 00:49
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal2,71910:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 7 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)	REVIEW C
1	Dichlorodifluoromethane	85	1.016	1.016	(0.198)	8473	1.00000	1.04	
2	Chloromethane	50	1.163	1.157	(0.226)	10026	1.00000	1.14(M)	LT
3	Vinyl Chloride	62	1.180	1.181	(0.230)	6013	1.00000	0.871	
4	Bromomethane	94	1.375	1.375	(0.267)	3455	1.00000	0.726(M)	LT
5	Chloroethane	64	1.439	1.433	(0.280)	3164	1.00000	0.836	
6	Trichlorofluoromethane	101	1.592	1.592	(0.310)	8541	1.00000	0.923	
7	Diethyl ether	74	1.786	1.786	(0.347)	3630	1.00000	1.25	
8	1,2-dichlorotrifluoroethane	67	1.792	1.798	(0.348)	7358	1.00000		
9	Acrolein	56	1.875	1.875	(0.364)	14507	20.0000	20.2	
10	1,1,2trichlorotrifluoroethane	101	1.951	1.951	(0.379)	6520	1.00000	1.19	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	7010	1.00000	1.39	
12	Acetone	43	1.992	1.992	(0.387)	10527	5.00000	7.48(M)	NI
13	Iodomethane	142	2.051	2.057	(0.399)	8831	2.00000		
14	Carbon Disulfide	76	2.104	2.104	(0.409)	31181	2.00000	2.37	
15	Acetonitrile	39	2.222	2.228	(0.432)	12947	1.00000	(QM)	NI
16	allyl chloride	41	2.222	2.228	(0.432)	19716	2.00000		
17	Methyl Acetate	43	2.251	2.251	(0.438)	6209	1.00000	1.89	
18	Methylene Chloride	84	2.327	2.328	(0.452)	14002	1.00000	1.89	
19	tert-Butyl Alcohol	59	2.457	2.457	(0.478)	1500	2.00000	3.48(M)	
20	Acrylonitrile	53	2.551	2.557	(0.496)	38238	20.0000	23.0	
21	1,2-Dichloroethene (trans)	96	2.575	2.569	(0.500)	6869	1.00000	1.21	
22	Methyl-tert-butyl ether	73	2.580	2.580	(0.502)	34331	2.00000	2.38	
23	n-Hexane	57	2.845	2.845	(0.553)	8646	1.00000	2.52	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.992	2.998	(0.582)	11293	1.00000	1.17	
	25 Vinyl Acetate	43	3.080	3.086	(0.599)	39804	4.00000	4.04(M)	GT
	26 chloroprene	53	3.098	3.098	(0.602)	9891	1.00000	1.29	
	27 2,2-Dichloropropane	77	3.692	3.704	(0.718)	9763	1.00000	1.23	
	28 1,2-Dichloroethene (cis)	96	3.710	3.716	(0.721)	8521	1.00000	1.23	
	29 2-Butanone	43	3.769	3.774	(0.733)	13357	5.00000	5.78	
	30 Propionitrile	54	3.857	3.863	(0.750)	824	1.00000	3.15	
	31 Bromochloromethane	49	4.039	4.039	(0.785)	5427	1.00000	1.20	
	32 Methacrylonitrile	41	4.057	4.057	(0.789)	4833	1.00000	1.24(Q)	
	33 Tetrahydrofuran	42	4.116	4.110	(0.800)	3673	1.00000	1.30	
	34 Chloroform	83	4.174	4.174	(0.811)	12201	1.00000	1.13	
	35 1,1,1-Trichloroethane	97	4.363	4.369	(0.848)	11962	1.00000	1.20(M)	
$	36 Dibromofluoromethane (S)	113	4.369	4.374	(0.849)	99186	50.0000	48.2	
	37 Cyclohexane	56	4.416	4.416	(0.858)	10688	1.00000	1.19	
	38 Carbon Tetrachloride	117	4.563	4.563	(0.887)	8680	1.00000	1.11	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.889)	9493	1.00000	1.19	
	40 Benzene	78	4.810	4.816	(0.935)	26375	1.00000	1.19	
	41 1,2-Dichloroethane	62	4.857	4.851	(0.944)	8662	1.00000	1.10	
	42 Isobutyl alcohol	43	4.933	4.933	(0.959)	4565	1.00000	4.48(M)	LT
	43 2,2,4-Trimethylpentane	57	4.927	4.933	(0.958)	14953	1.00000	1.15	
*	44 Fluorobenzene	96	5.145	5.151	(1.000)	371186	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.078)	8218	1.00000	1.21	
	46 Methylcyclohexane	55	5.721	5.721	(1.112)	9498	1.00000	1.31(M)	LT
	47 1,2-Dichloropropane	63	5.774	5.774	(1.122)	6861	1.00000	1.18	
	48 Dibromomethane	93	5.886	5.892	(1.144)	4916	1.00000	1.25	
	49 1,4-Dioxane	88	5.939	5.939	(1.154)	804	20.0000	17.1(QM)	WP
	50 Methyl methacrylate	69	5.957	5.957	(1.158)	4316	1.00000	1.15(Q)	
	51 Bromodichloromethane	83	6.068	6.074	(1.179)	7996	1.00000	1.09	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	8176	2.00000	2.42	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	9611	1.00000	1.09	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	28730	5.00000	6.12	
$	55 Toluene-d8	98	6.751	6.751	(0.859)	387823	50.0000	50.3	
	56 Toluene	91	6.815	6.815	(0.867)	28679	1.00000	1.15	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	8367	1.00000	1.13	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	7645	1.00000	1.15	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	6261	1.00000	1.42	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	8886	1.00000	1.20	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	9914	1.00000	1.20	
	62 2-Hexanone	43	7.398	7.398	(0.941)	20444	5.00000	6.39	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	6234	1.00000	1.13	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	6621	1.00000	1.22	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	309103	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	19982	1.00000	1.16	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	6510	1.00000	1.09	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	11567	1.00000	1.20(Q)	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	26773	2.00000	2.44	
	70 o-Xylene	106	8.292	8.286	(1.055)	12735	1.00000	1.17	
	71 Styrene	104	8.298	8.298	(1.055)	21137	1.00000	1.18	
	72 Bromoform	173	8.409	8.404	(0.906)	3540	1.00000	4.09(M)	NI
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	33157	1.00000	1.24	
$	74 4-Bromofluorobenzene	95	8.604	8.604	(1.094)	156907	50.0000	51.6	
	75 Bromobenzene	77	8.686	8.686	(1.105)	13191	1.00000	1.32	
	76 1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.937)	7726	1.00000	1.27(QM)	NI
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	2187	1.00000	1.15(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	2650	1.00000	3.04(QM)	WP
79	n-Propylbenzene	91	8.762	8.762	(0.944)	34873	1.00000	1.18	
80	2-Chlorotoluene	91	8.804	8.804	(0.949)	21963	1.00000	1.19	
81	1,3,5-Trimethylbenzene	105	8.862	8.862	(0.955)	27072	1.00000	1.22	
82	4-Chlorotoluene	126	8.868	8.868	(0.956)	8082	1.00000	1.14	
83	tert-Butylbenzene	119	9.051	9.051	(0.975)	28219	1.00000	1.21	
84	1,2,4-Trimethylbenzene	105	9.080	9.080	(0.978)	29673	1.00000	1.29	
85	sec-Butylbenzene	105	9.180	9.180	(0.989)	30703	1.00000	1.19	
86	1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	14895	1.00000	1.17	
87	p-Isopropyltoluene	119	9.262	9.262	(0.998)	26383	1.00000	1.14	
* 88	1,4-Dichlorobenzene-d4	152	9.280	9.280	(1.000)	167220	50.0000		
89	1,4-Dichlorobenzene	146	9.292	9.292	(1.001)	14850	1.00000	1.15	
90	n-Butylbenzene	91	9.498	9.498	(1.023)	20997	1.00000	1.16	
91	1,2-Dichlorobenzene	146	9.503	9.504	(1.024)	13959	1.00000	1.18	
92	1,2-Dibromo-3-chloropropane	155	9.956	9.956	(1.073)	1323	1.00000	1.19(Q)	
93	1,2,4-Trichlorobenzene	180	10.439	10.439	(1.125)	6862	1.00000	1.00	
94	Hexachlorobutadiene	225	10.539	10.539	(1.136)	3682	1.00000	1.12	
95	Naphthalene	128	10.592	10.586	(1.141)	22516	1.00000	1.12	
96	1,2,3-Trichlorobenzene	180	10.733	10.733	(1.157)	7011	1.00000	1.13	
97	2,methyl-naphthalene	142	11.280	11.280	(1.215)	6561	1.00000	0.916	
98	1-Methylnaphthalene	142	11.403	11.398	(2.216)	7781	1.00000	1.14	

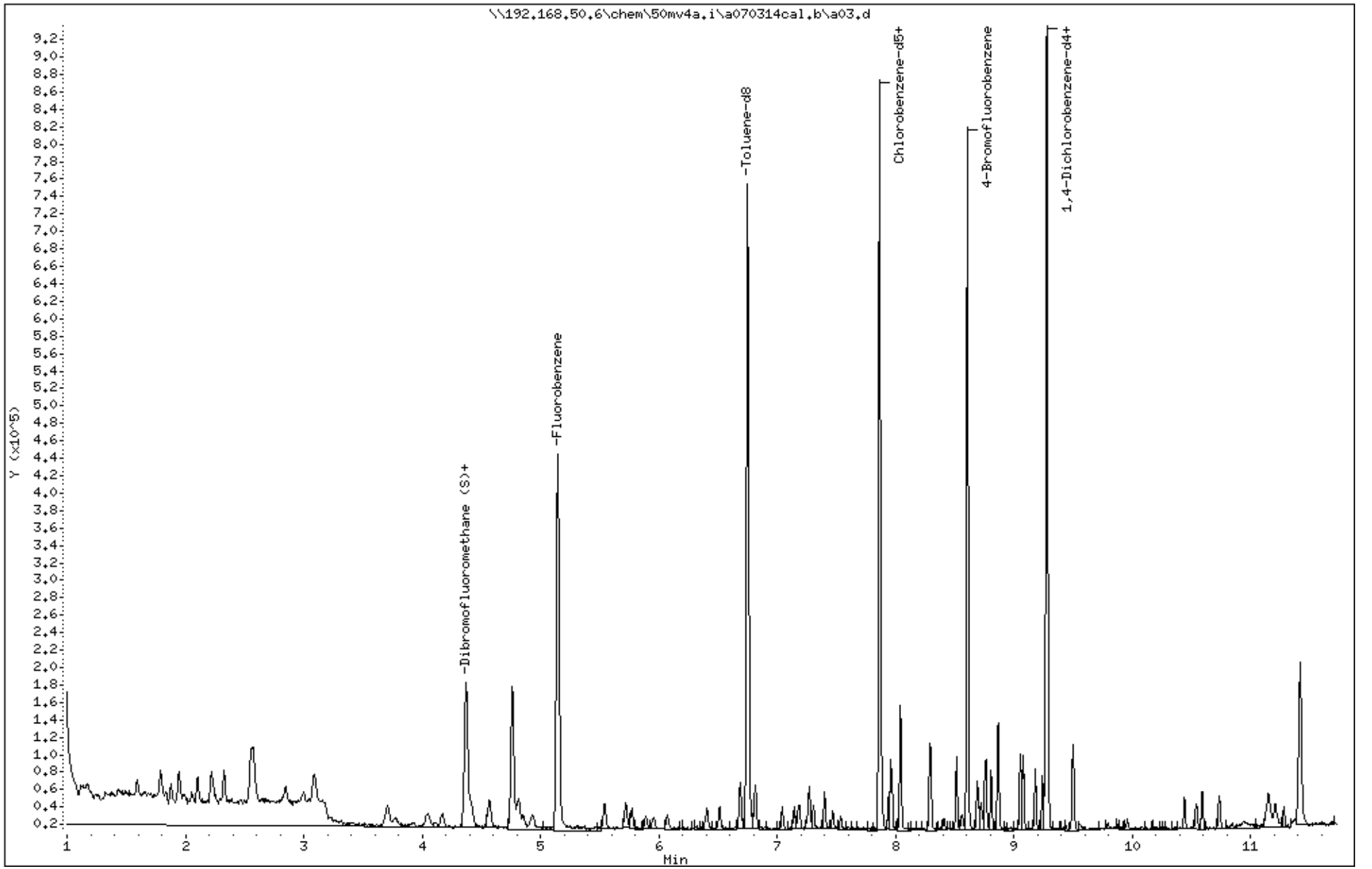
QC Flag Legend

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

Review Codes Legend

:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
NI: Indicates that the peak was not integrated at all by the computer software.
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).
WP: Indicates that the wrong peak was chosen by the data system.

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a03.d
Date : 04-JUL-2014 00:49
Client ID: 8260-CAL2
Instrument: 50mv4a.i
Sample Info: 8260-CAL2,71910:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



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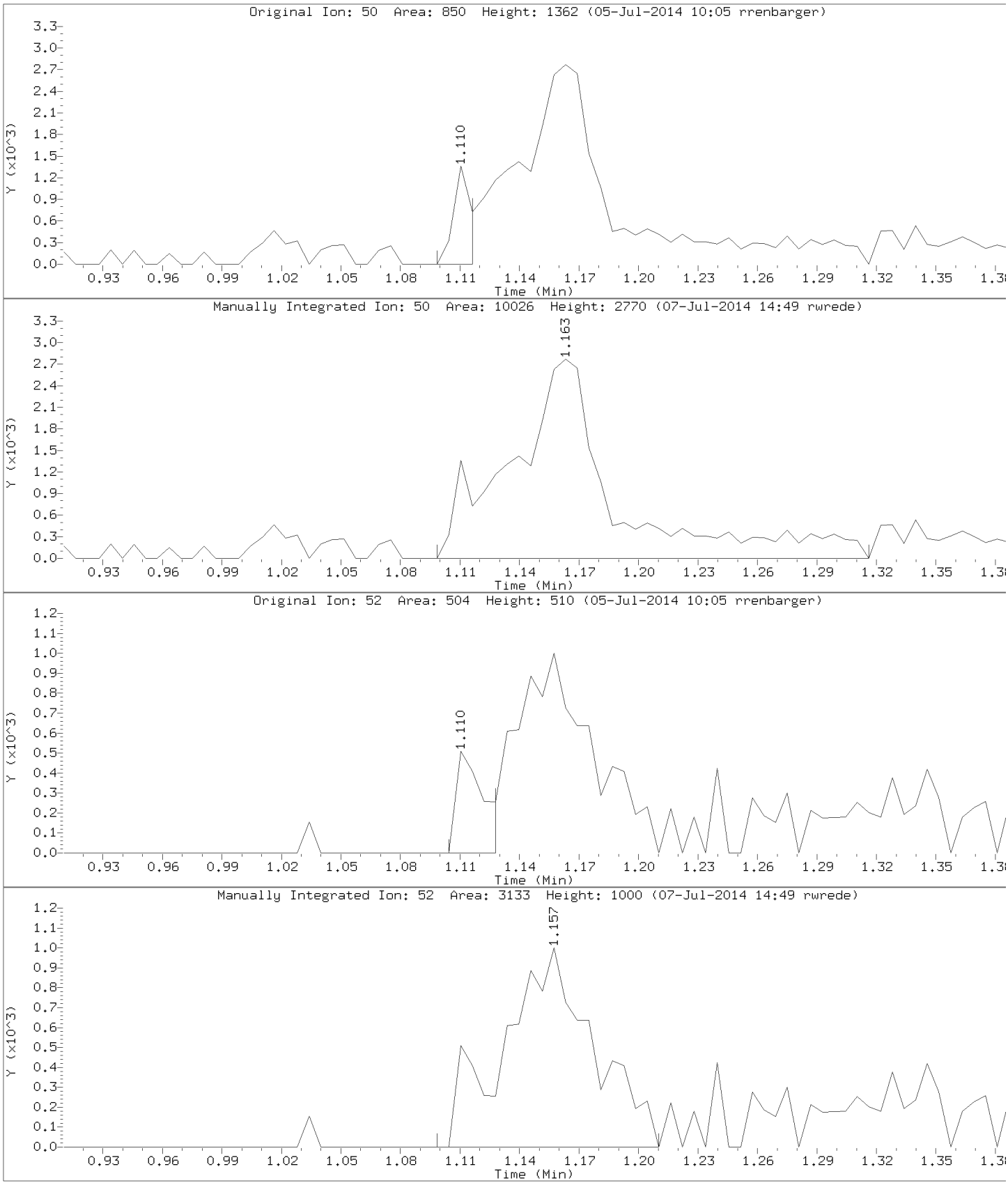
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Chloromethane
CAS Number: 74-87-3



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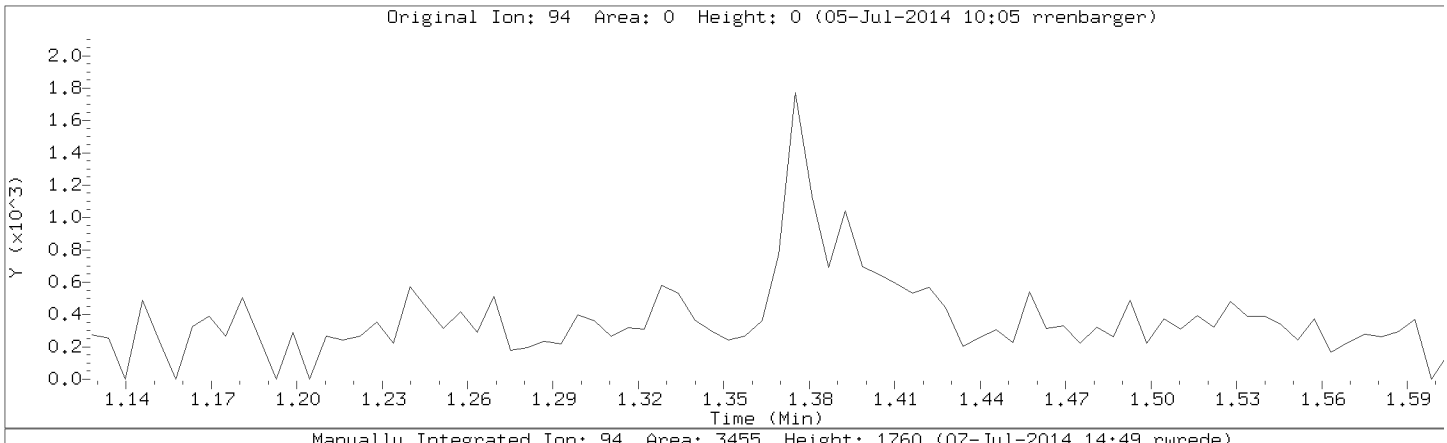
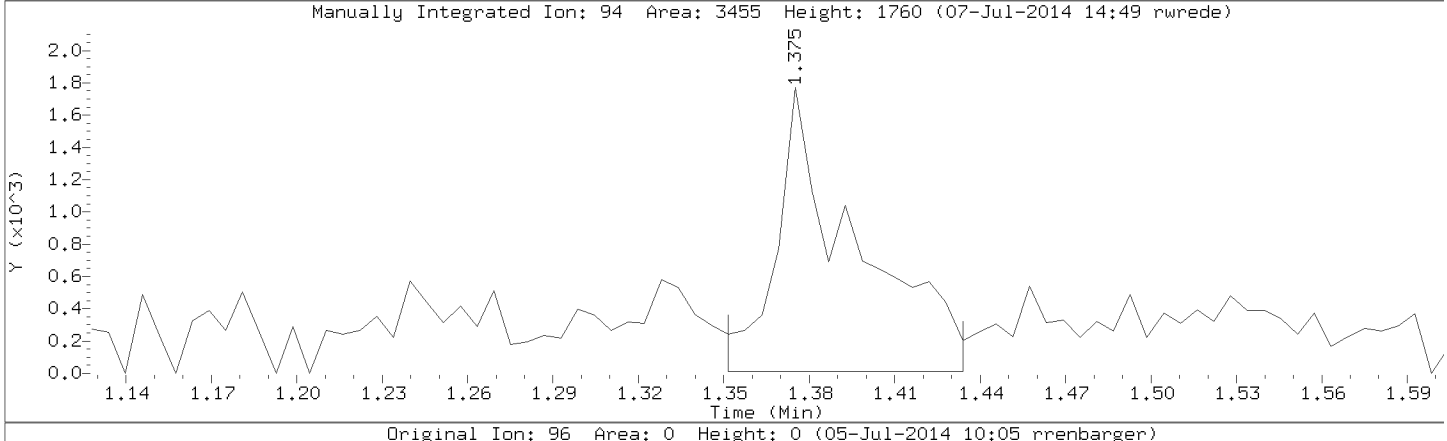
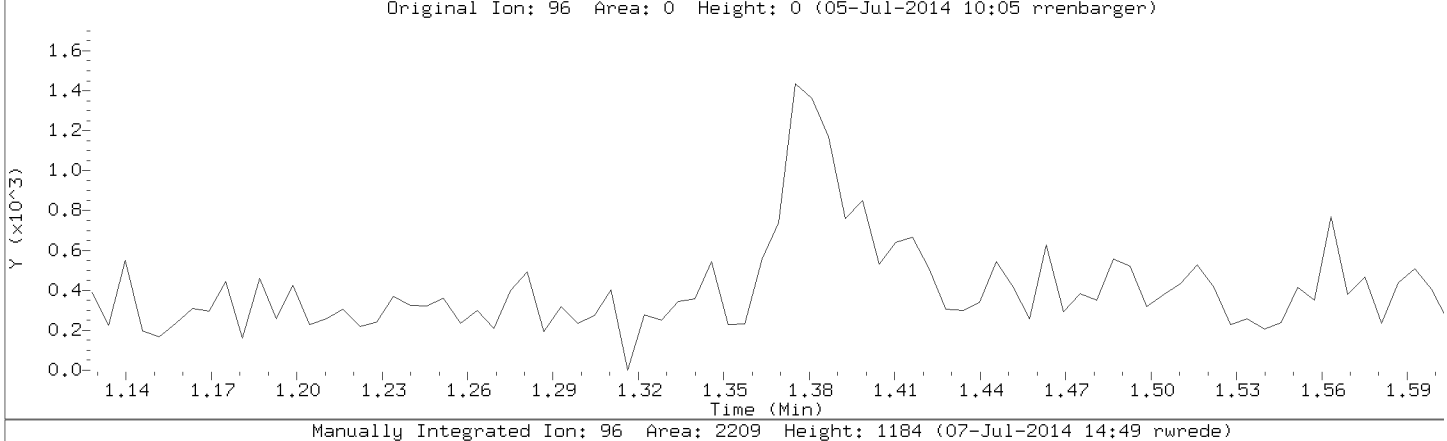
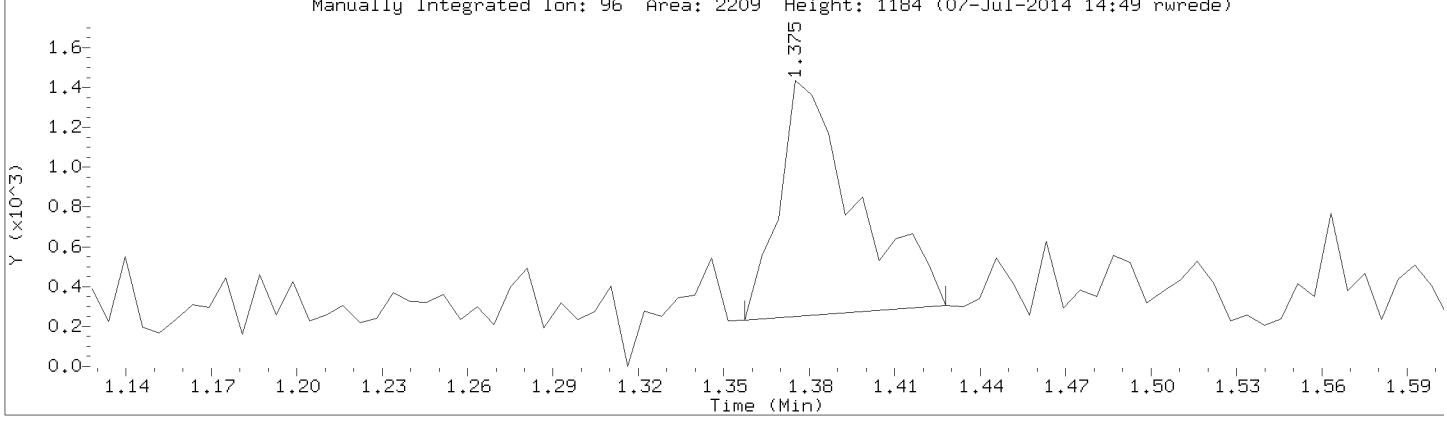
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Bromomethane
CAS Number: 74-83-9









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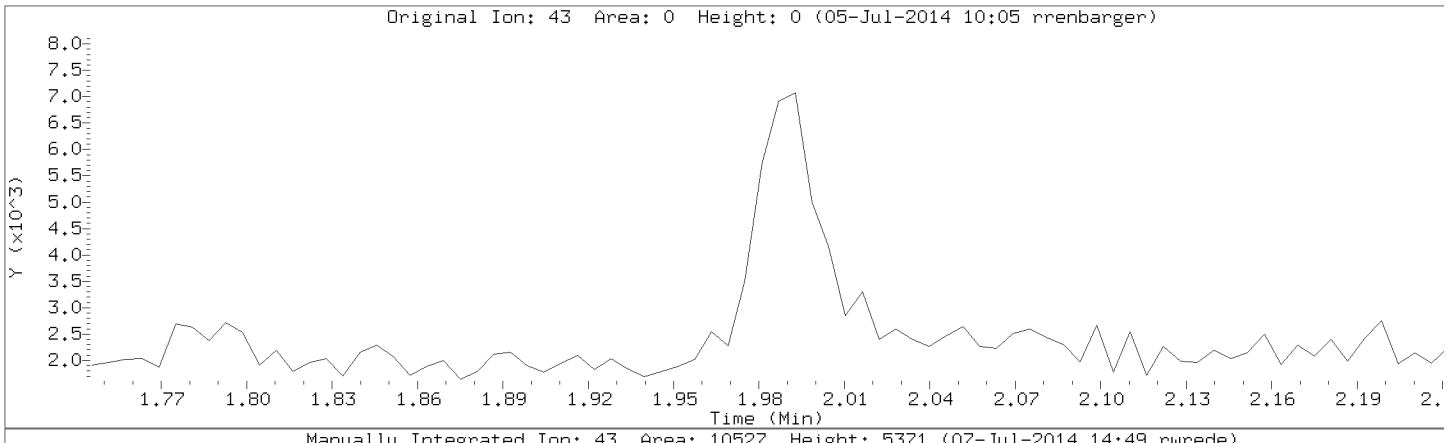
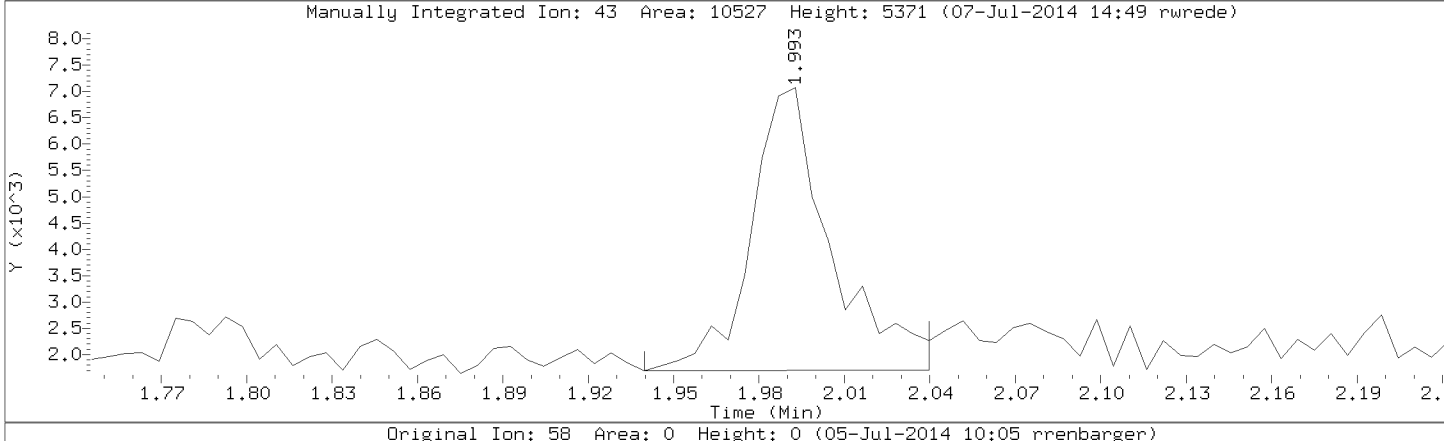
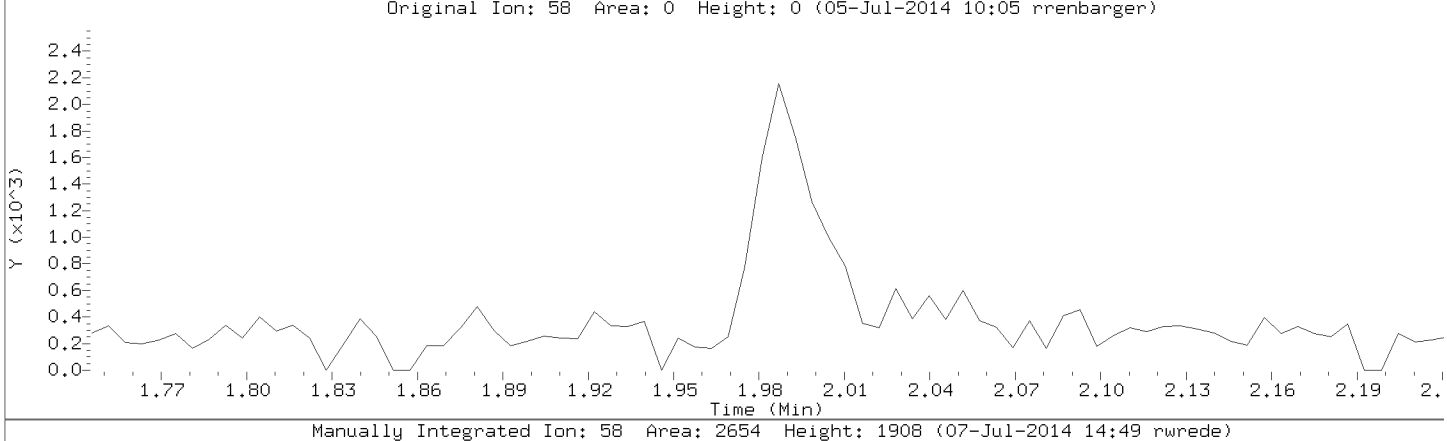
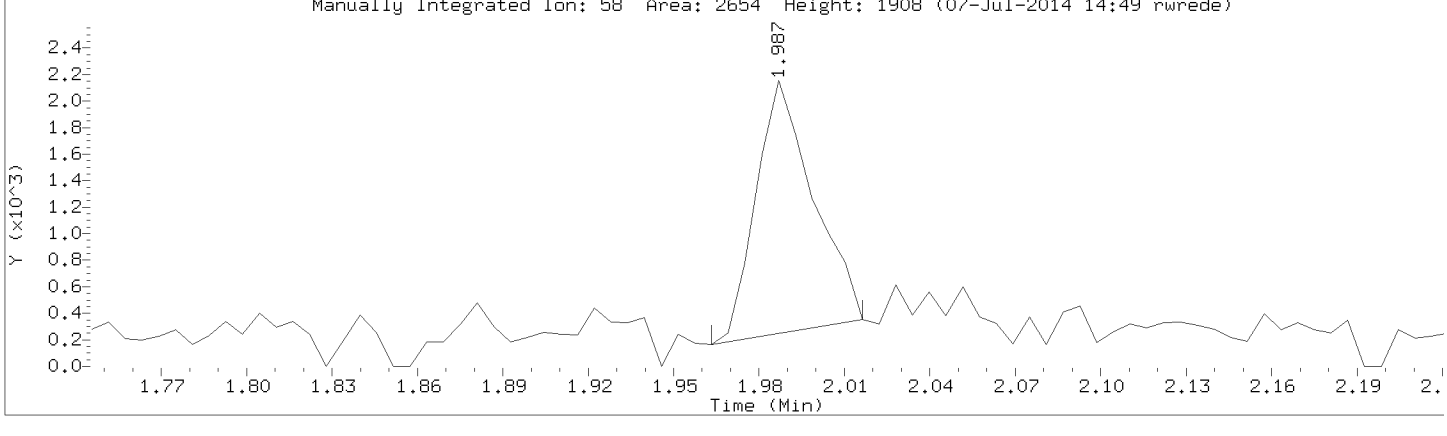
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Acetone
CAS Number: 67-64-1









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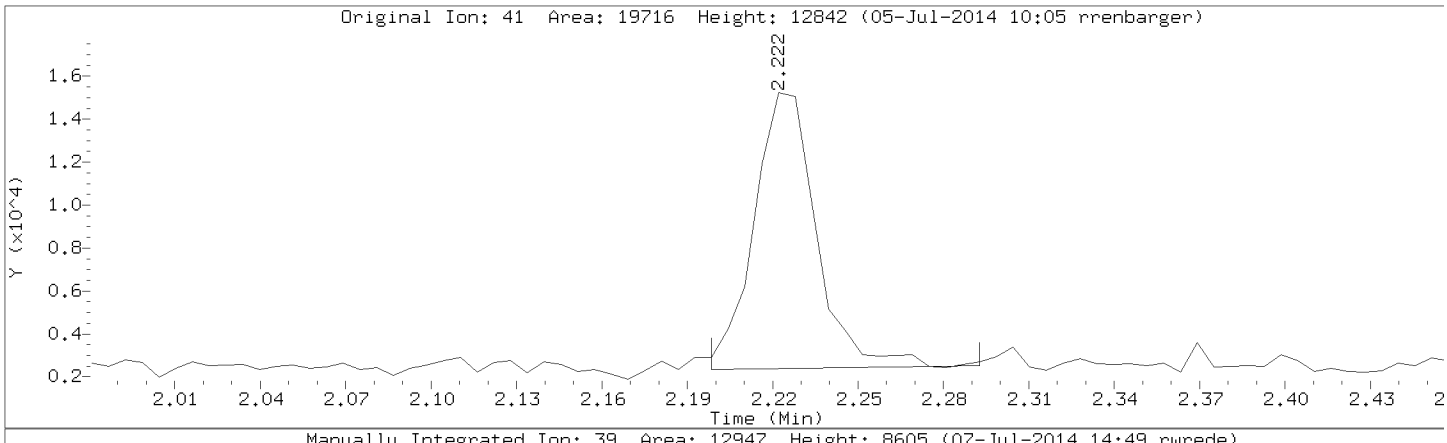
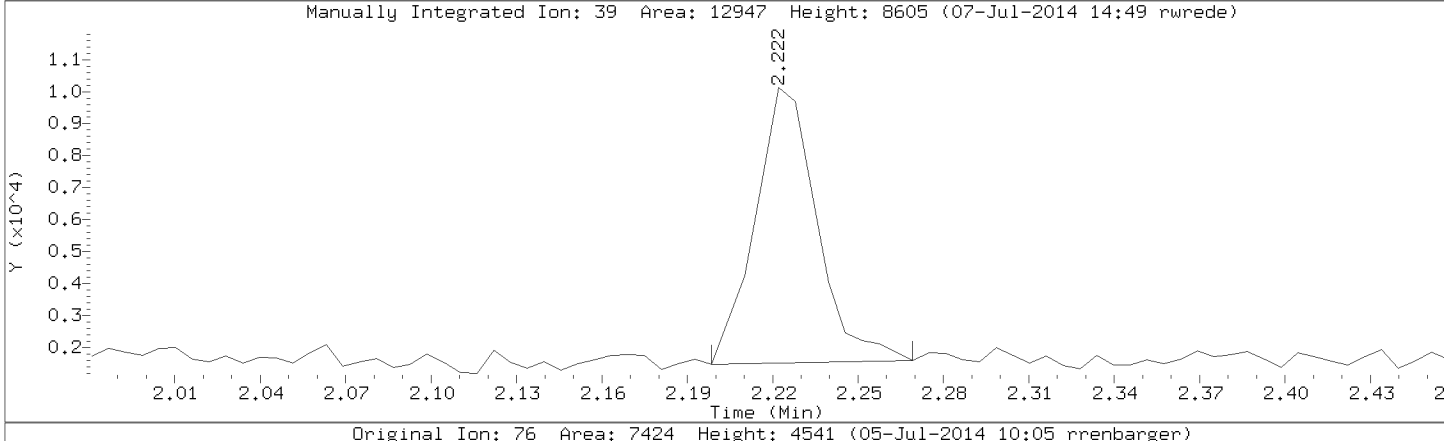
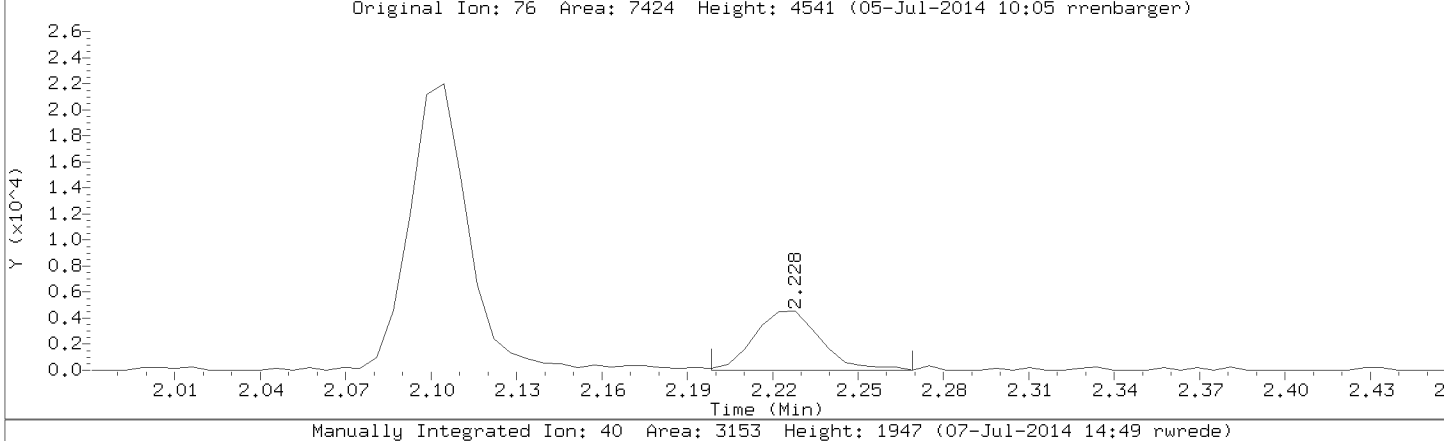
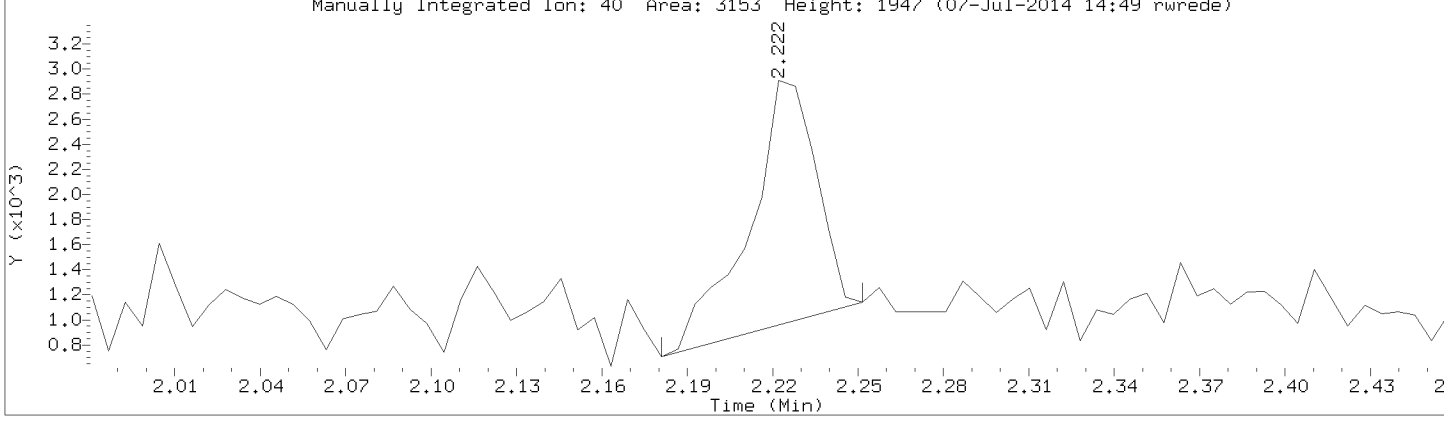
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Acetonitrile
CAS Number: 75-05-8









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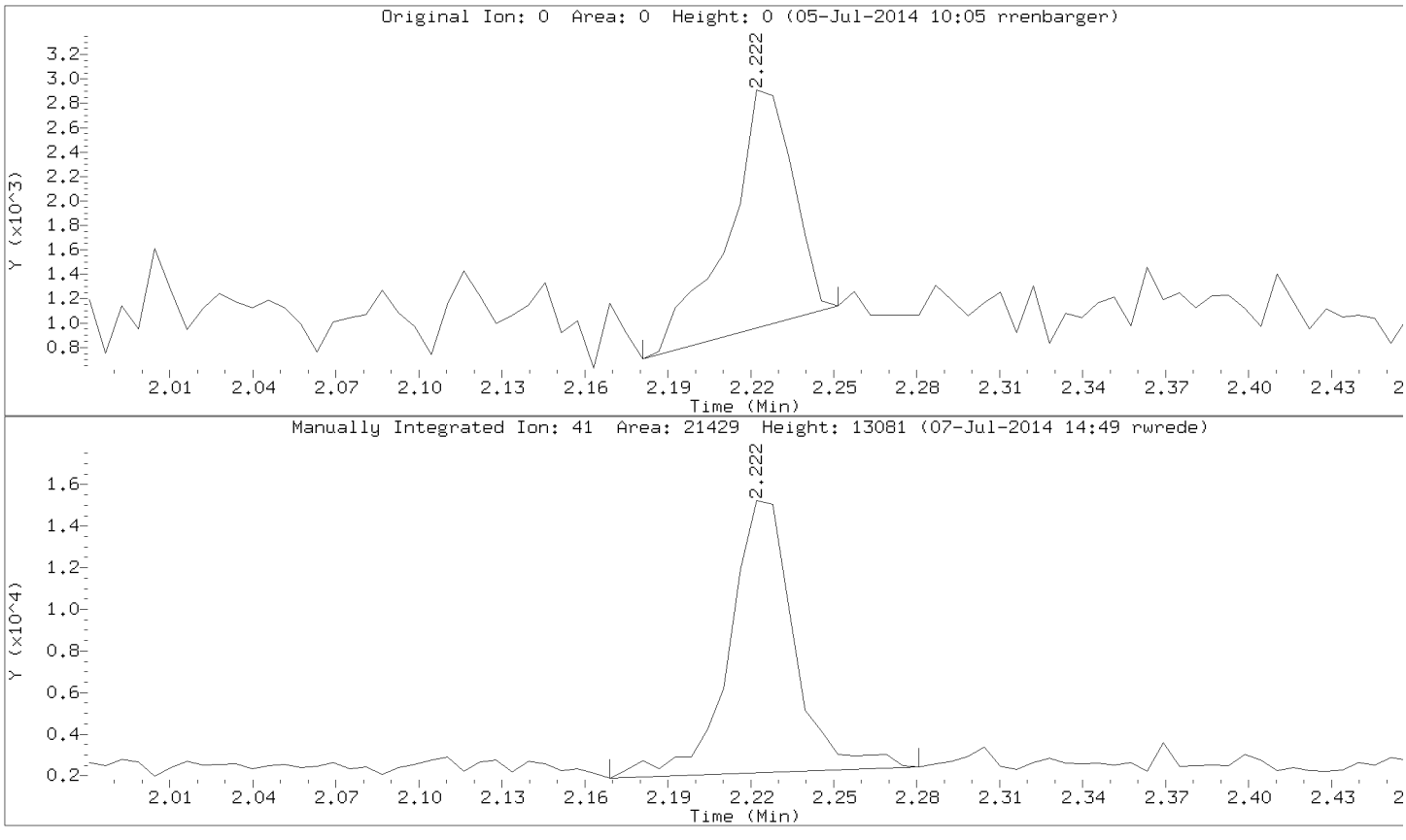
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2



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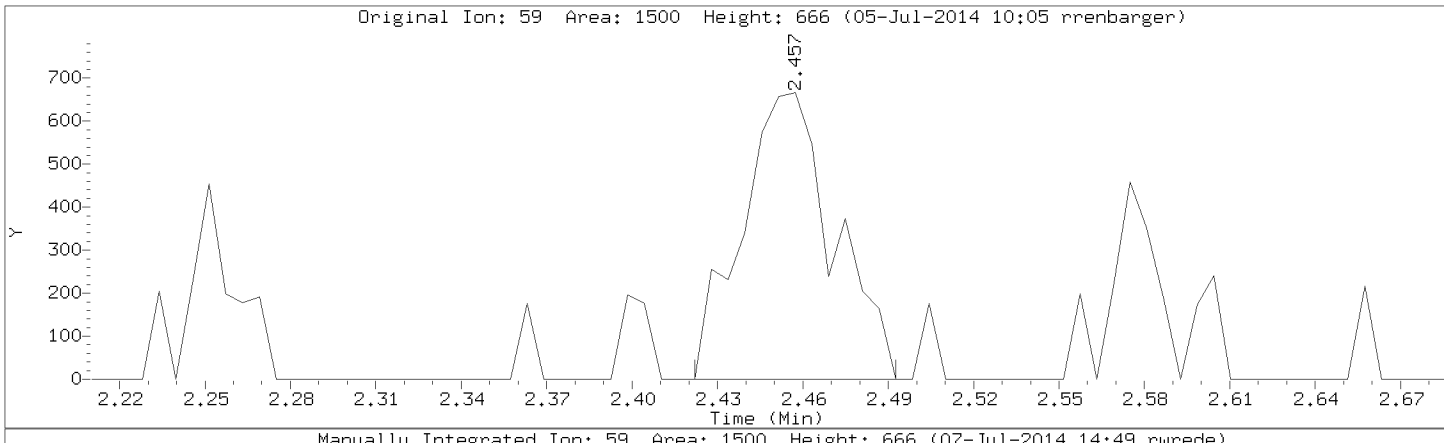
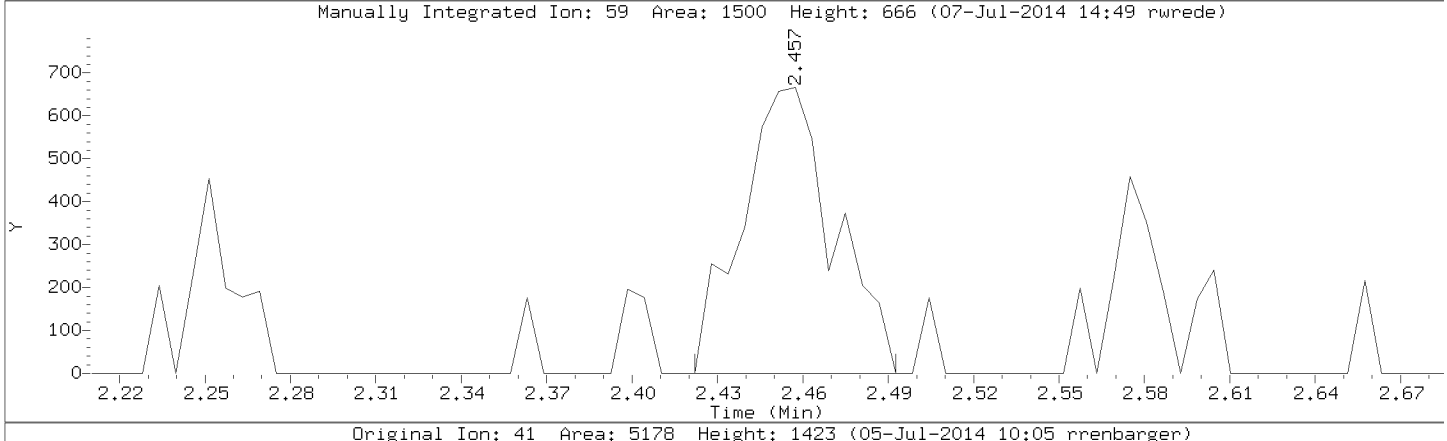
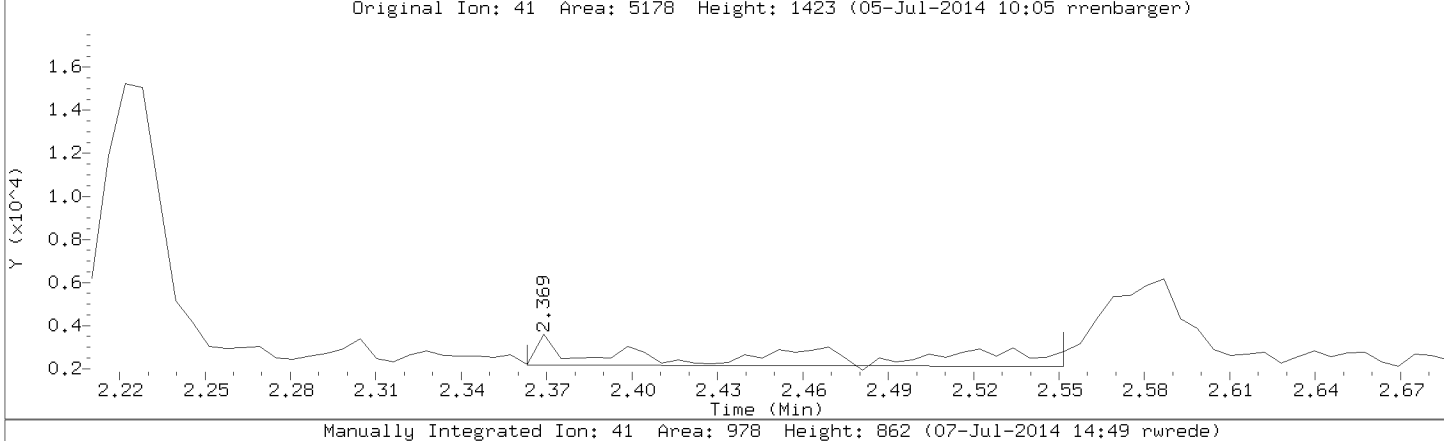
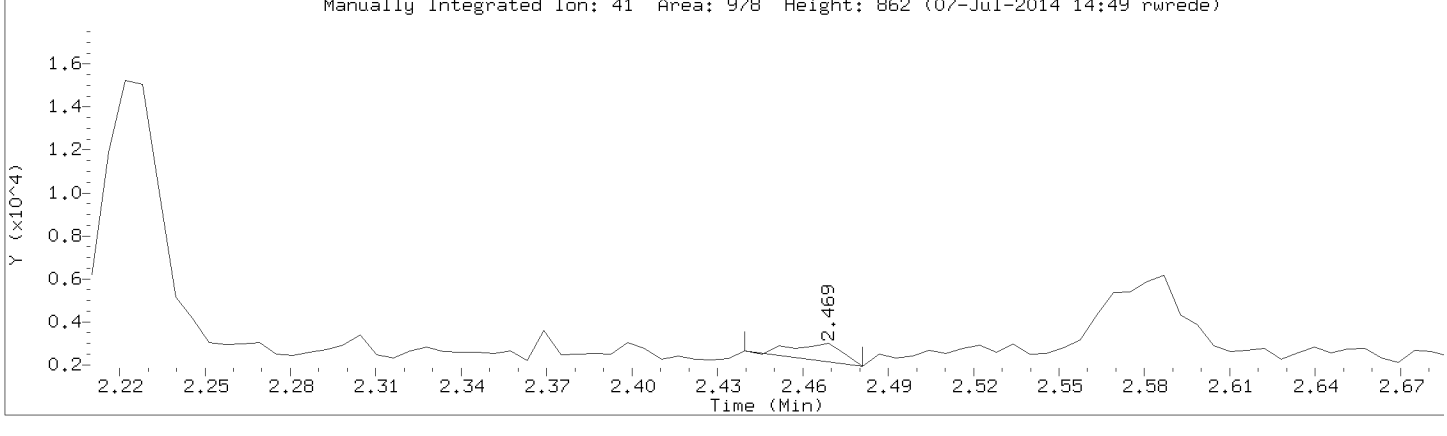
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

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









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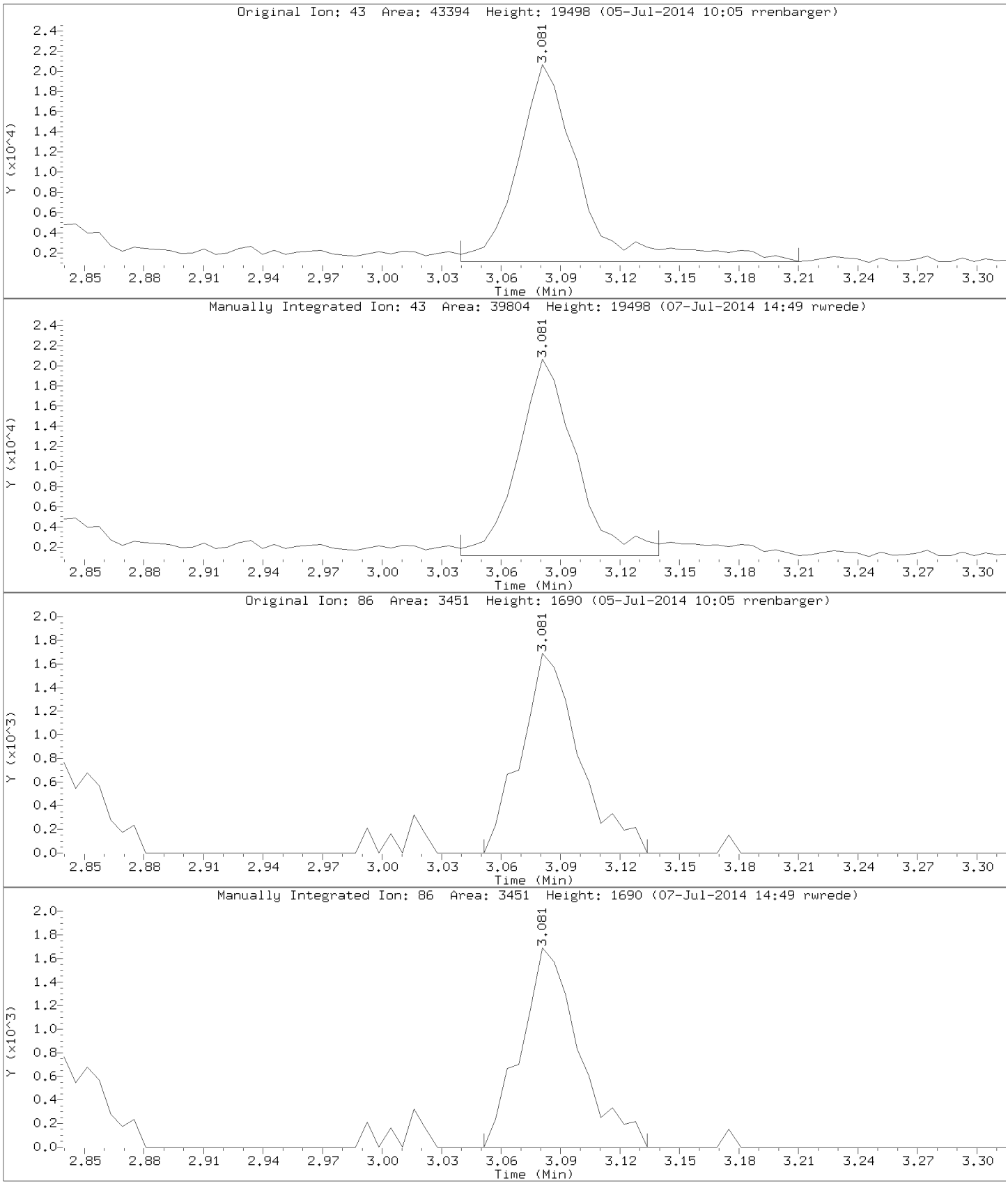
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

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



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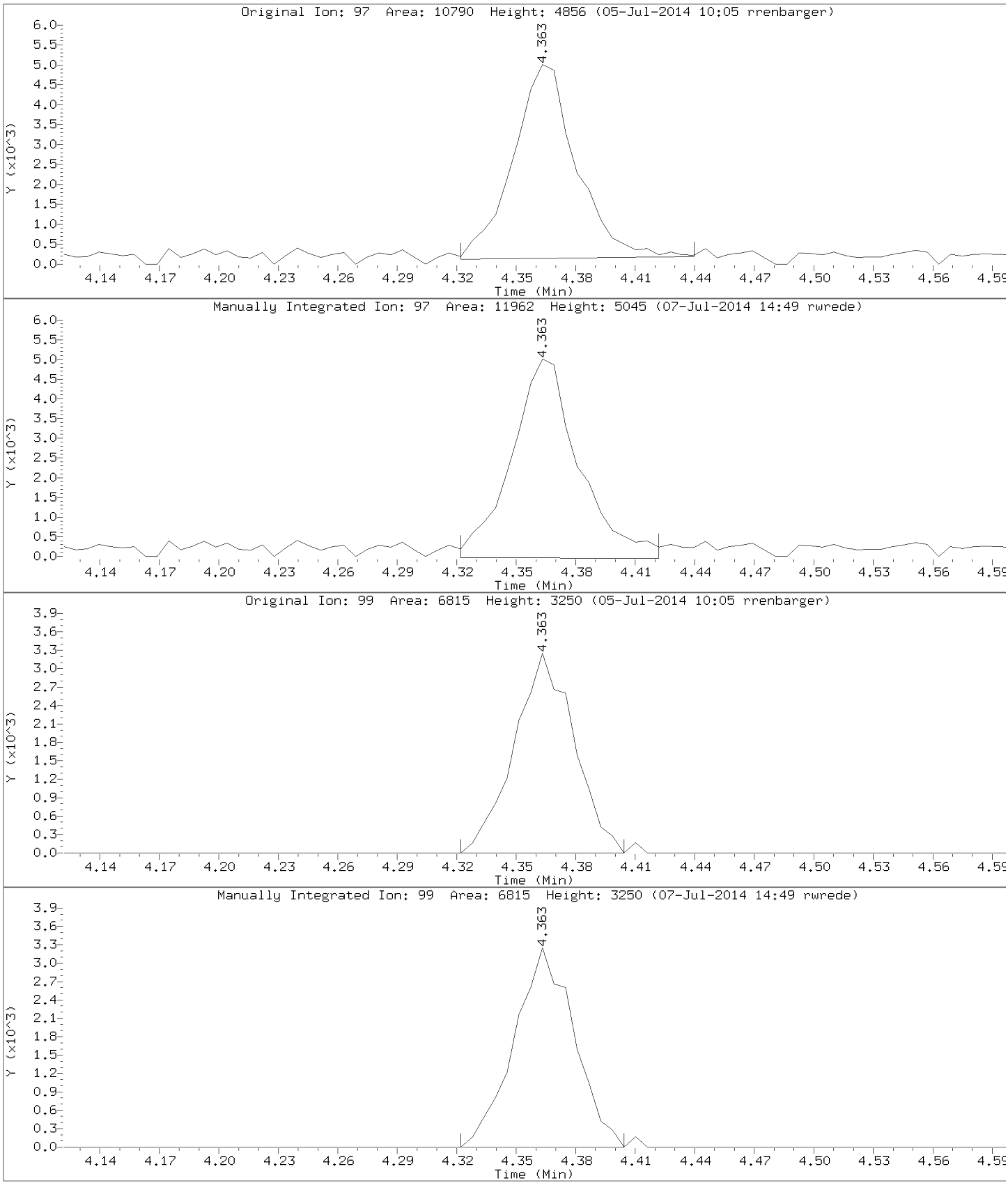
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1,1-Trichloroethane
CAS Number: 71-55-6



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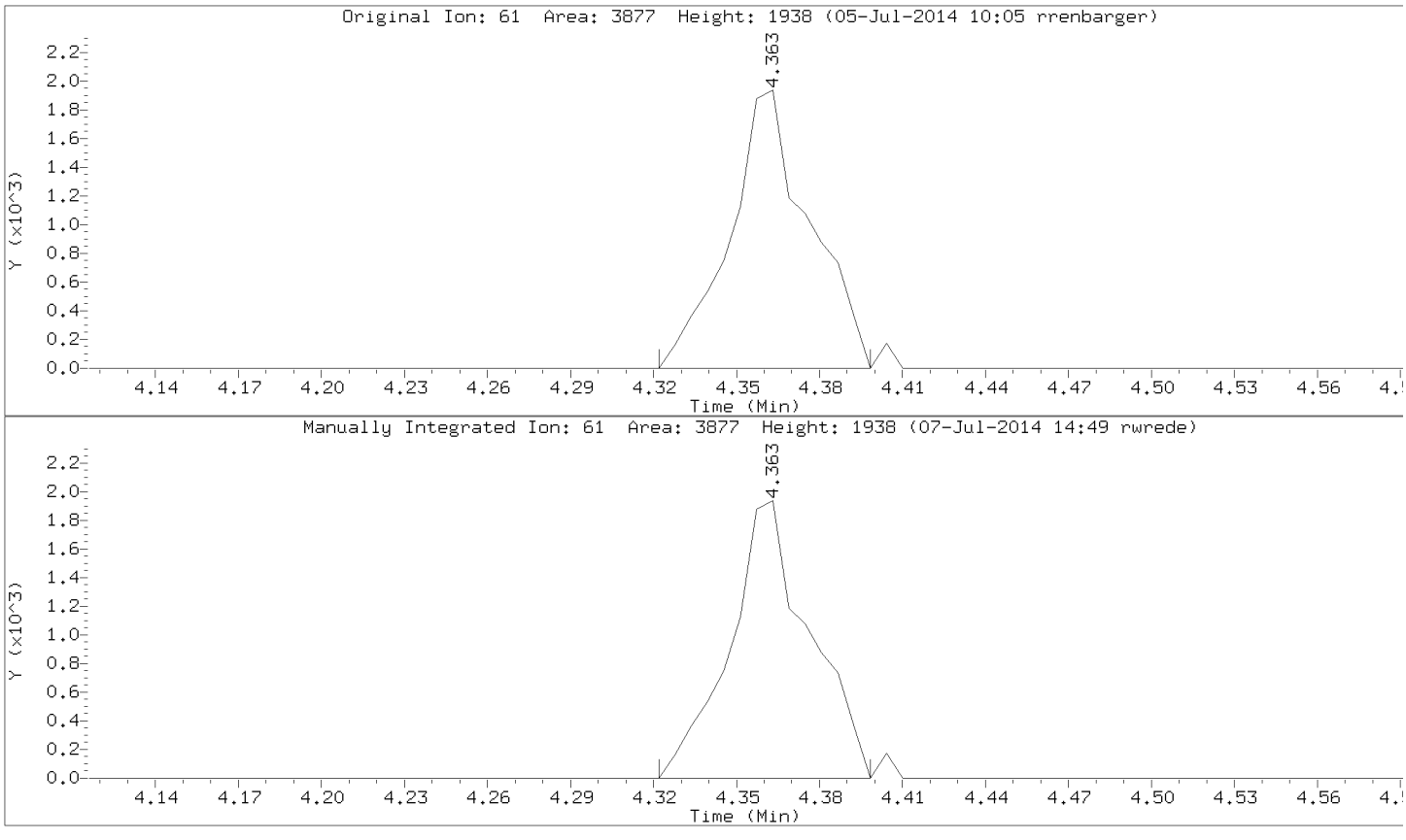
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2



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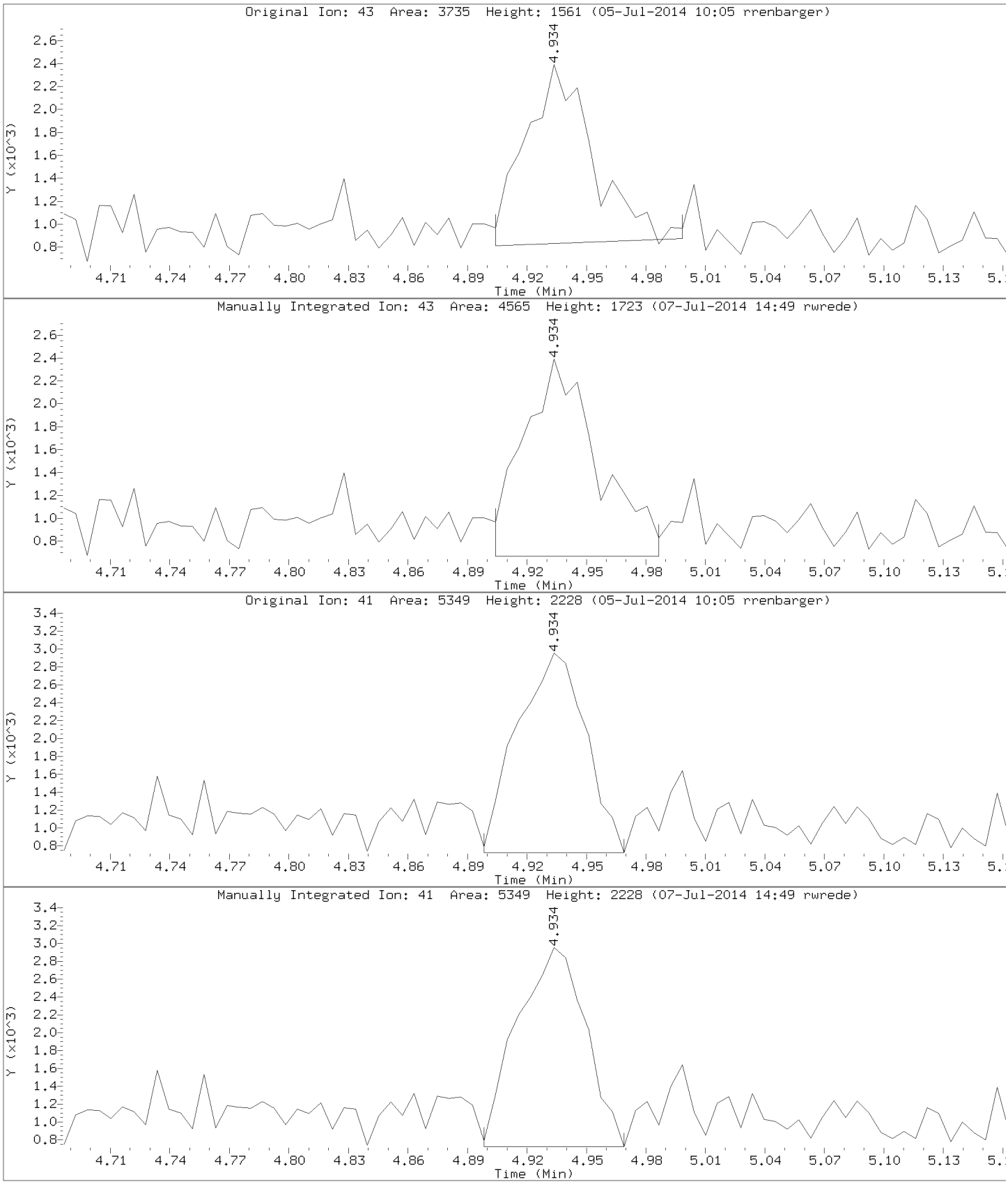
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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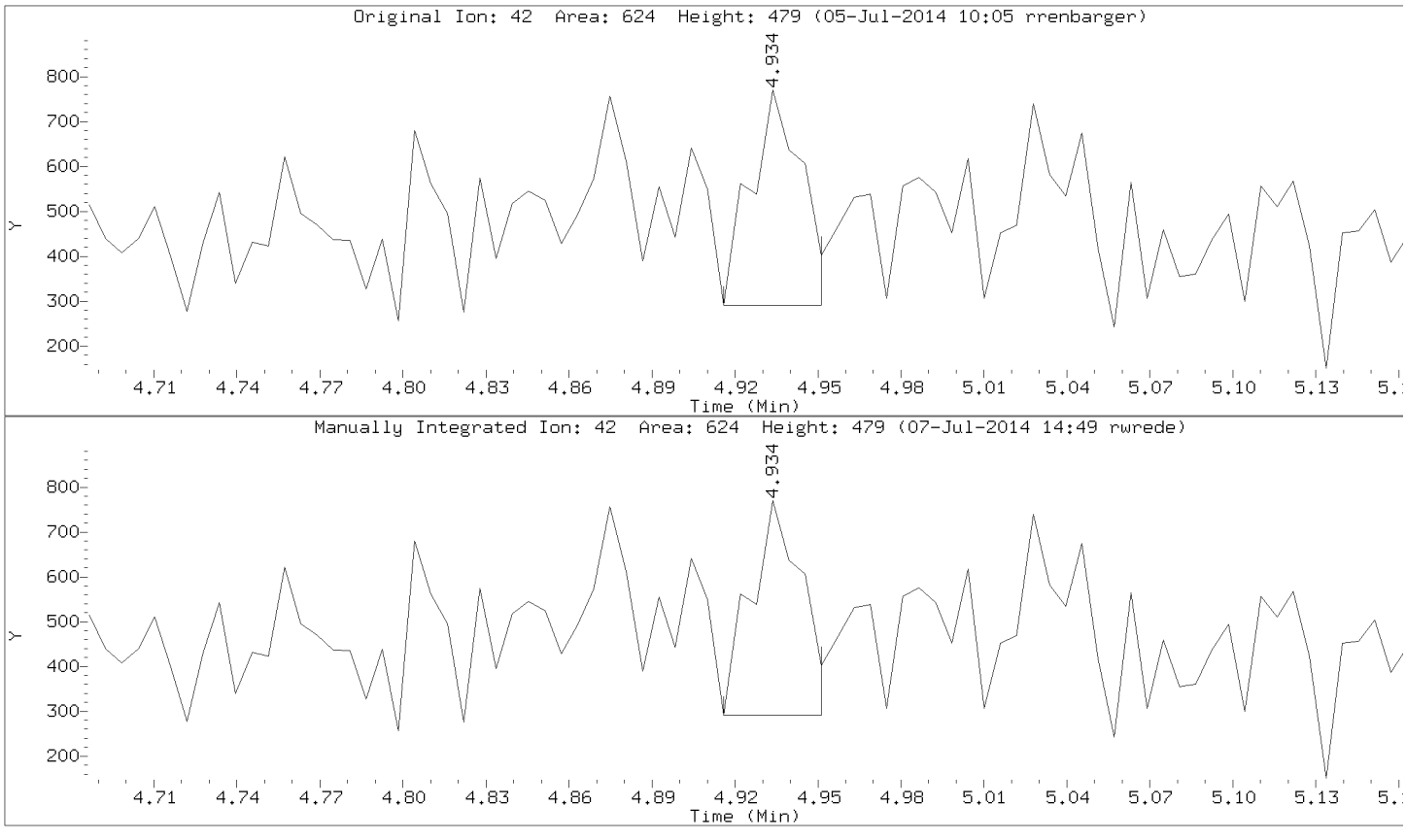
Lab Sample ID: 8260-CAL2



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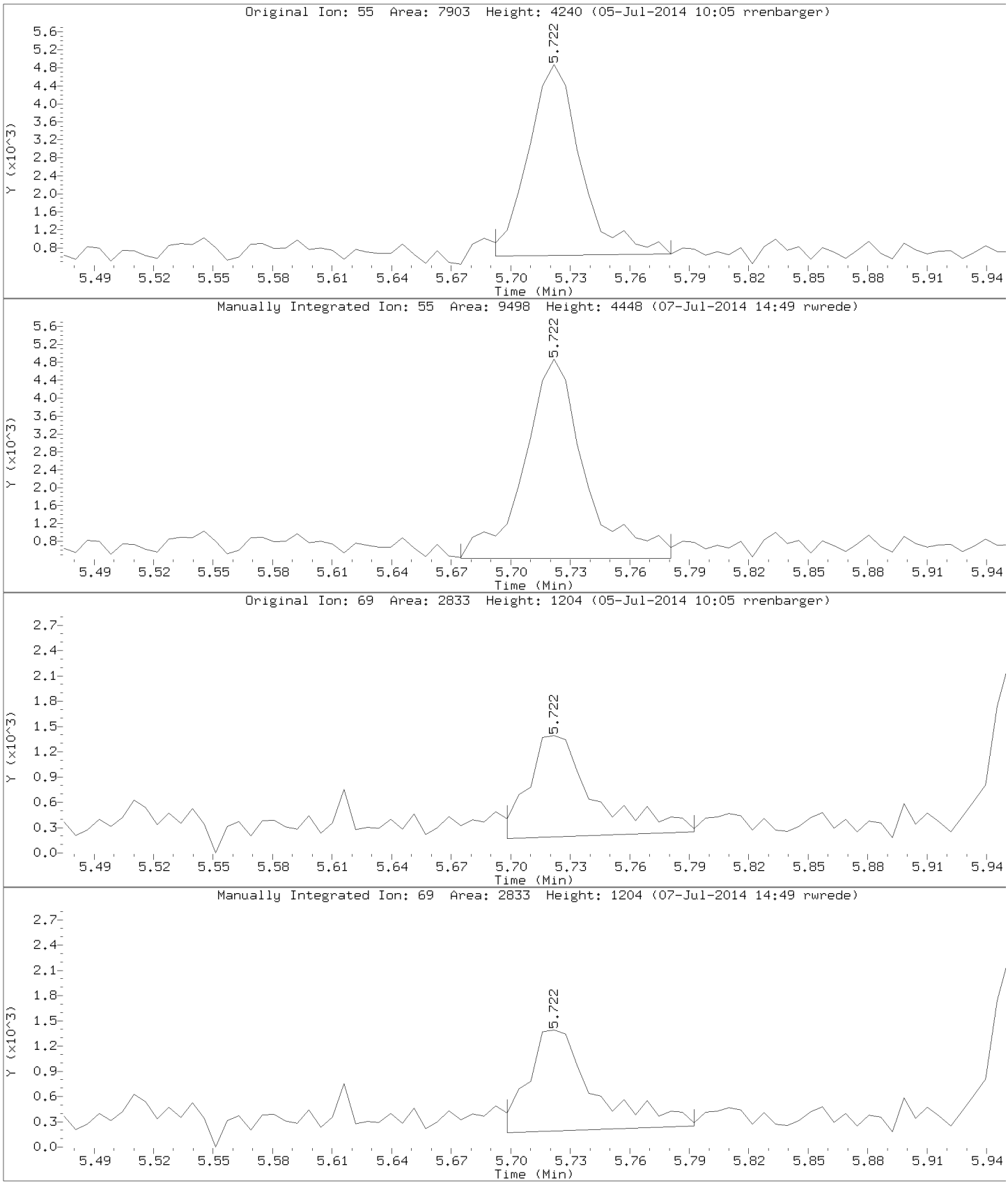
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Methylcyclohexane
CAS Number: 108-87-2



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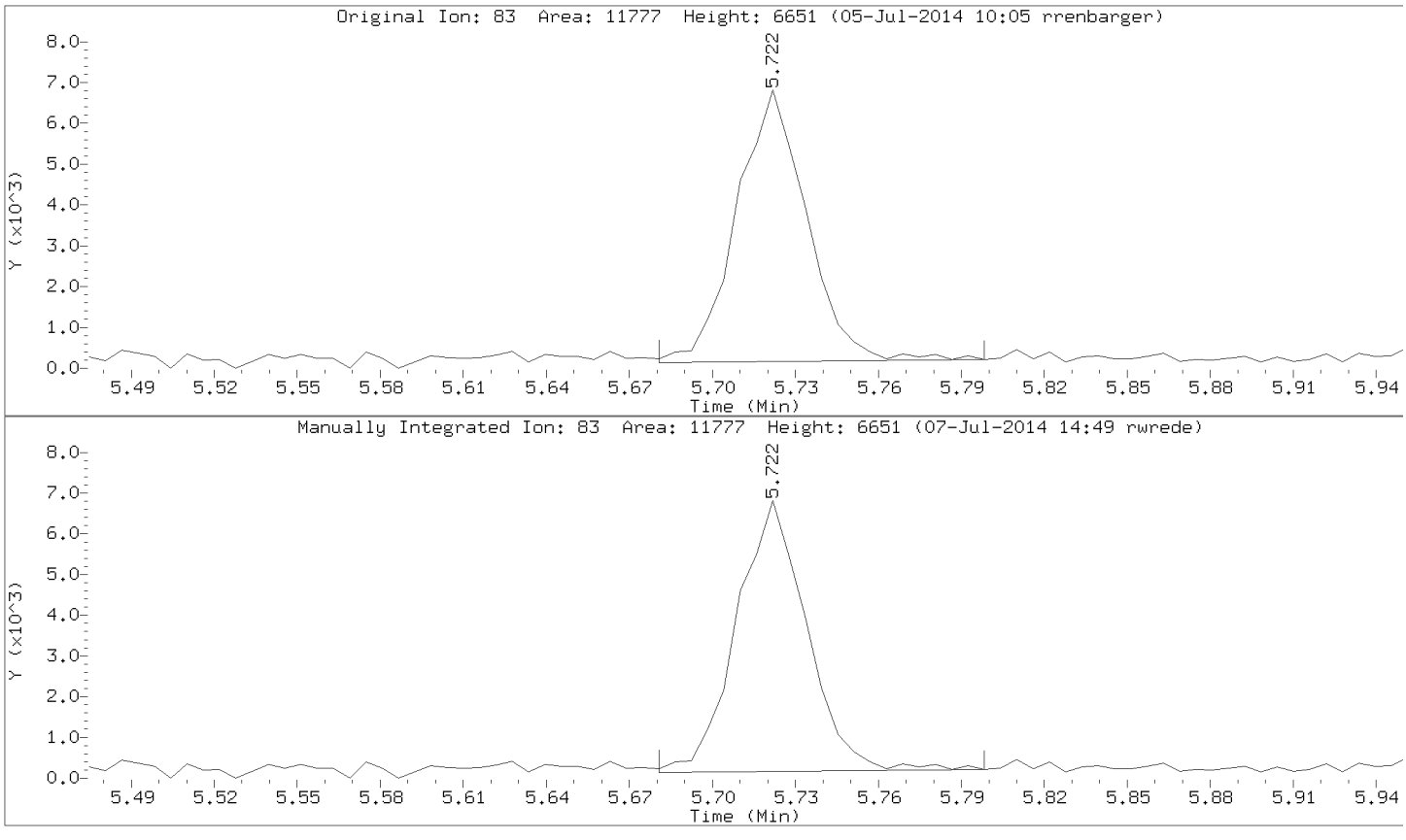
Lab Sample ID: 8260-CAL2



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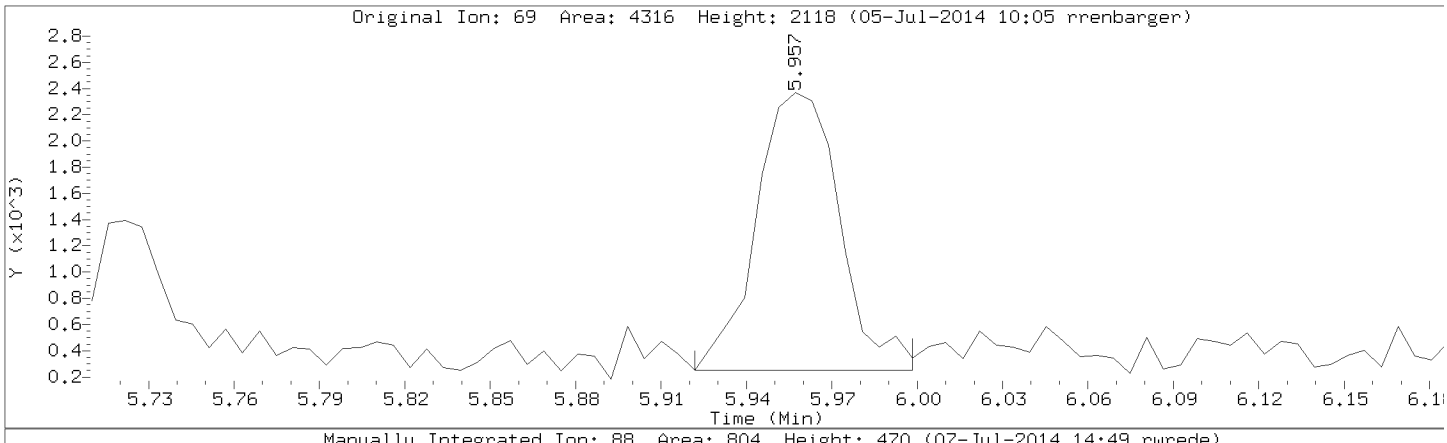
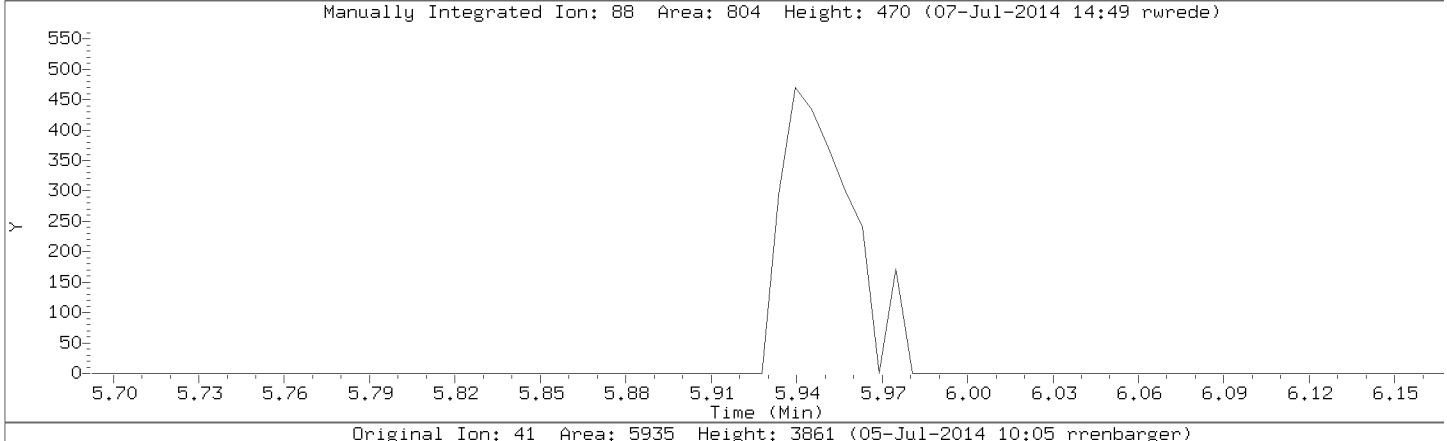
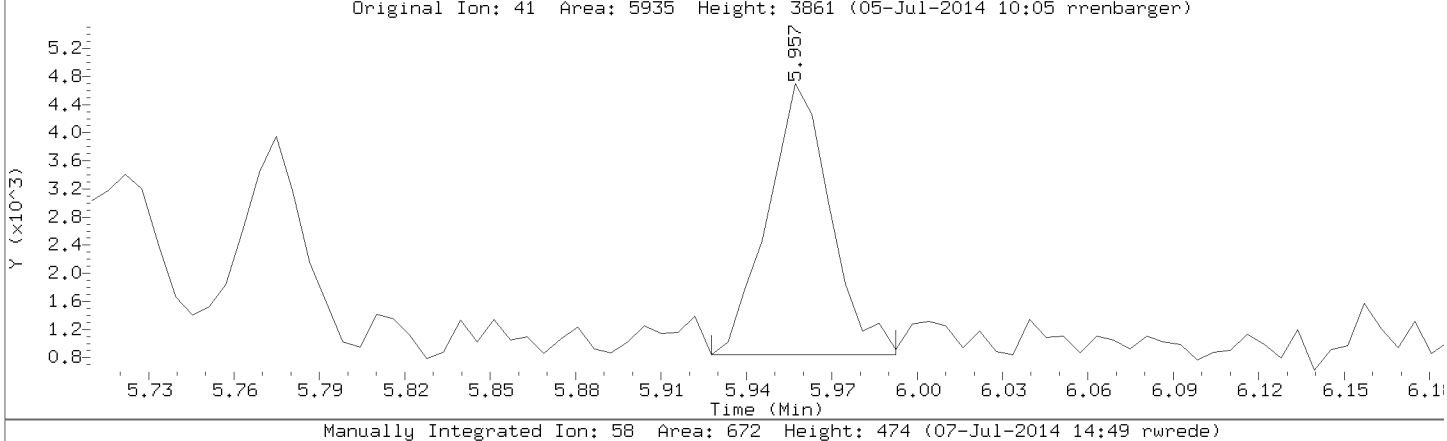
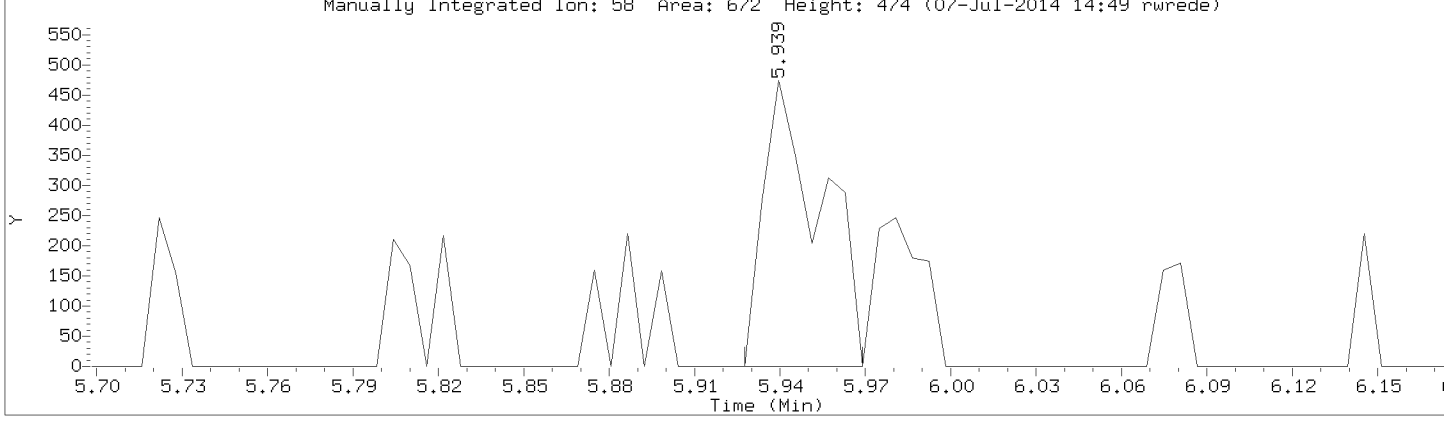
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: 1,4-Dioxane
CAS Number:









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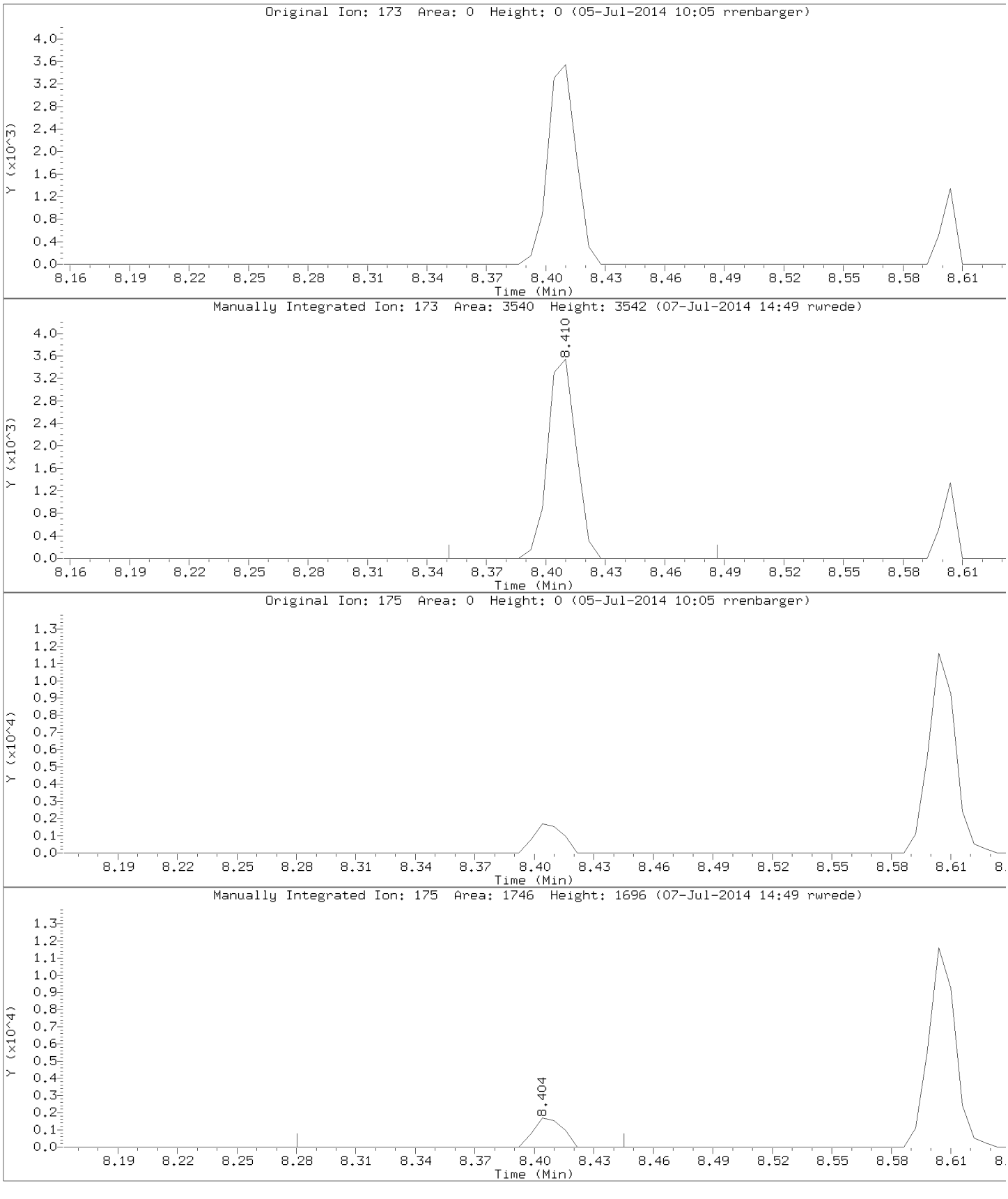
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: Bromoform
CAS Number: 75-25-2



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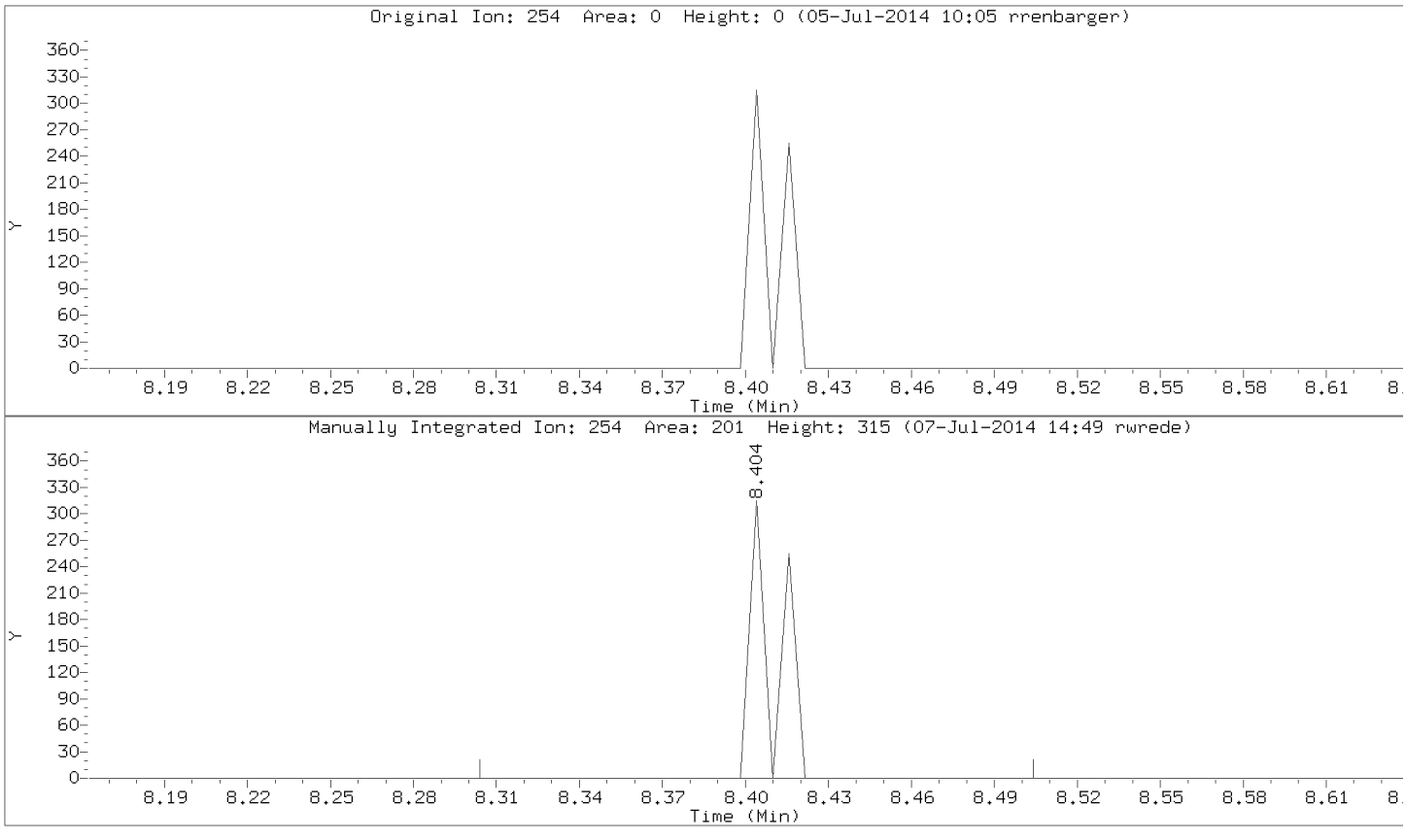
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2



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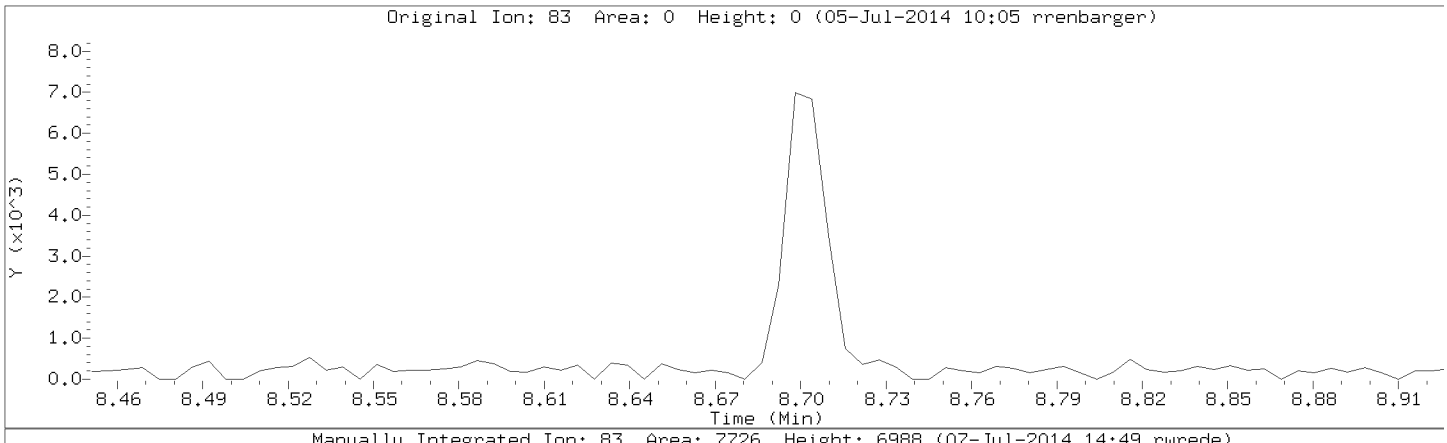
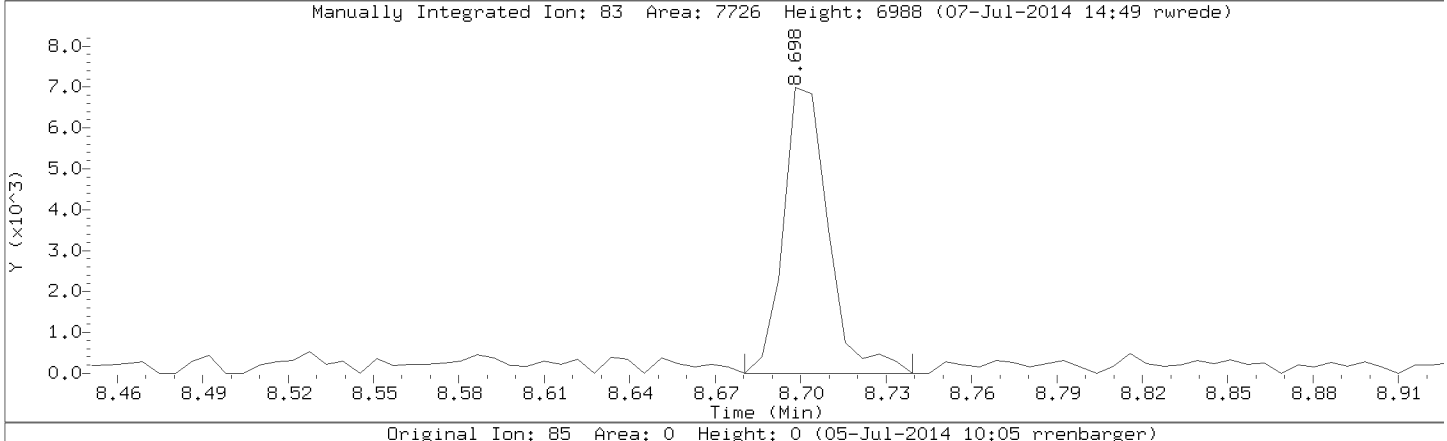
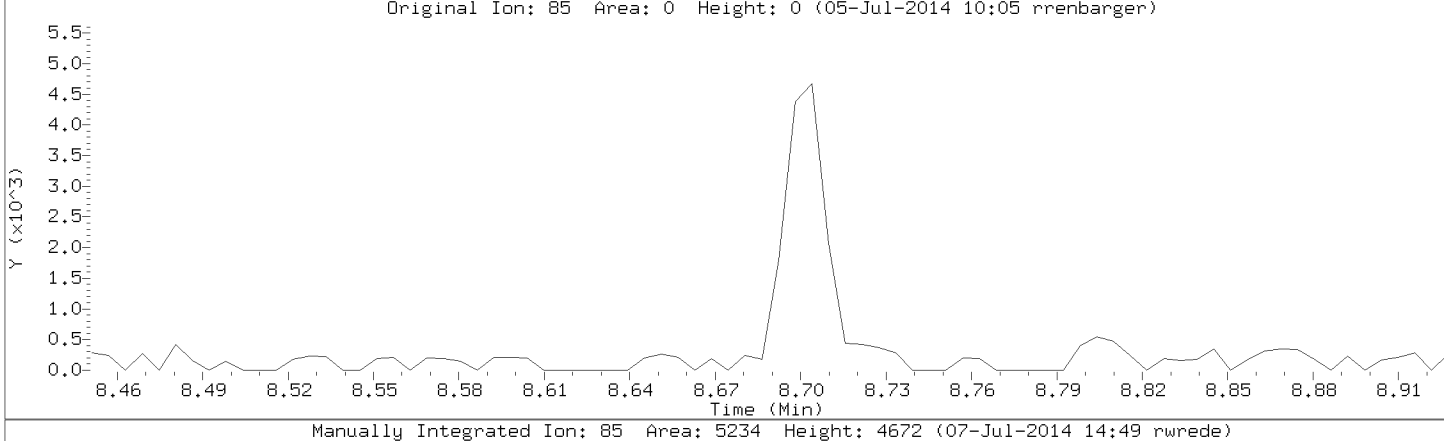
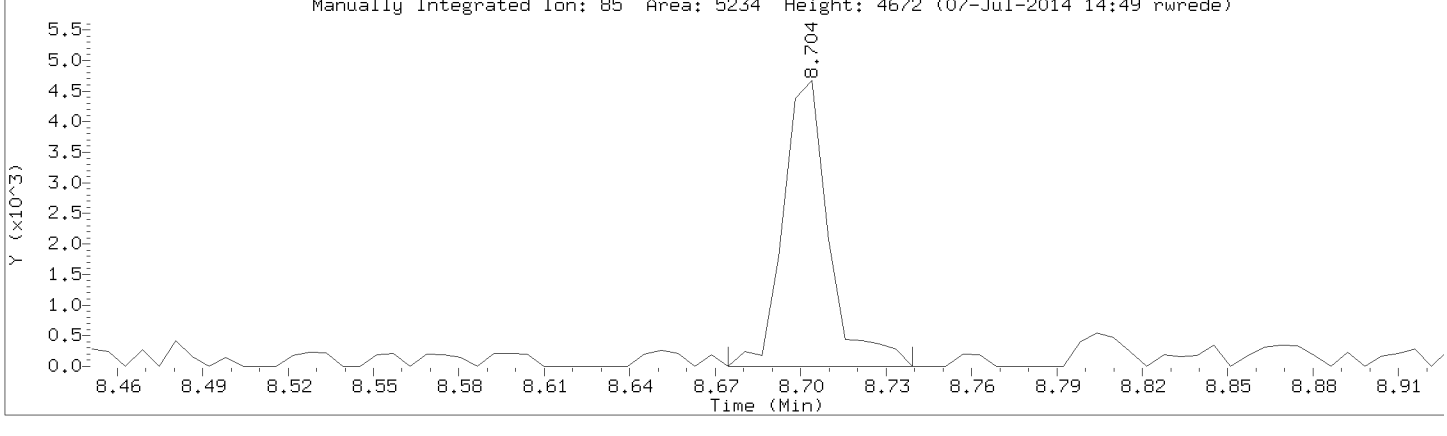
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

Compound: 1,1,2,2-Tetrachloroethane
CAS Number: 79-34-5









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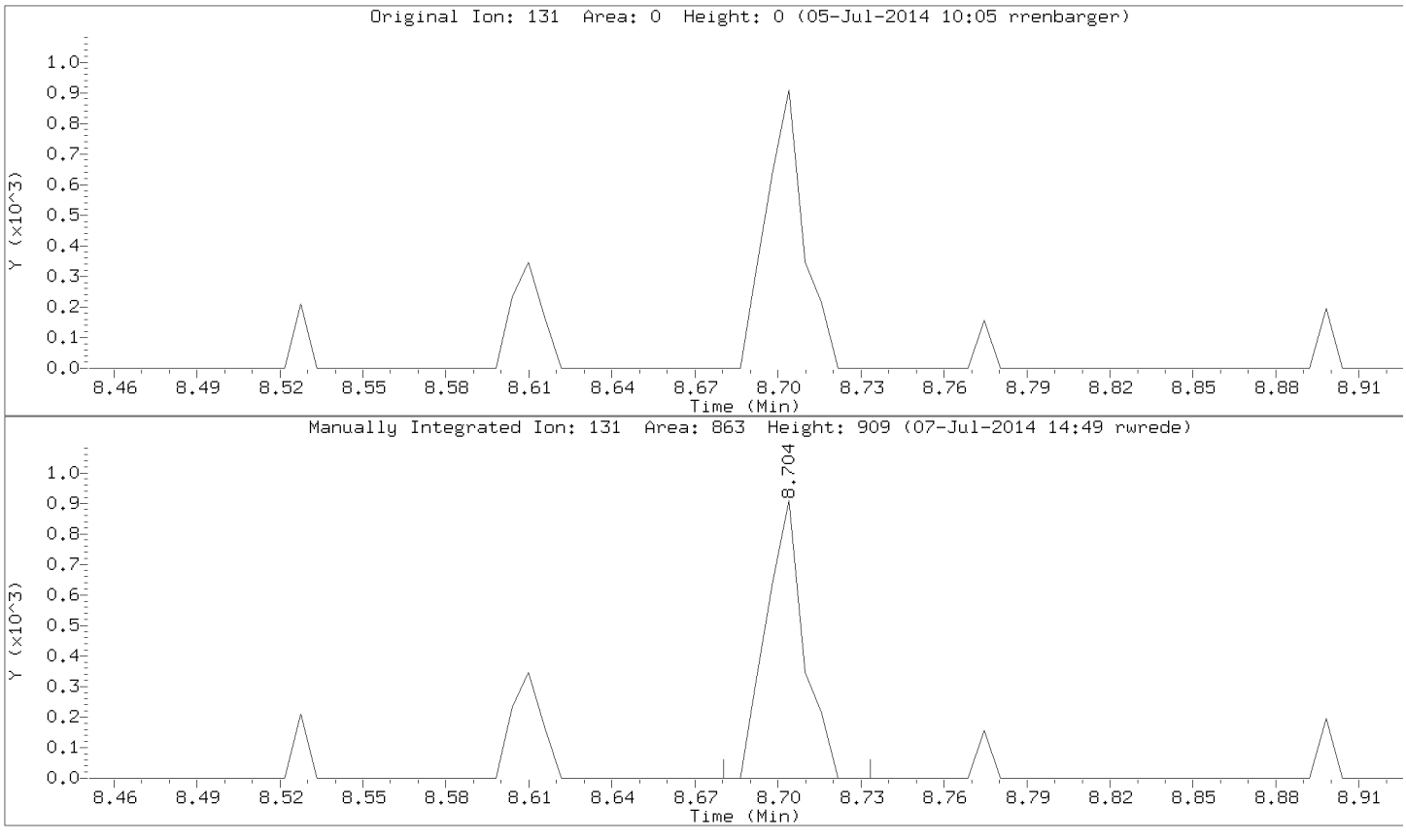

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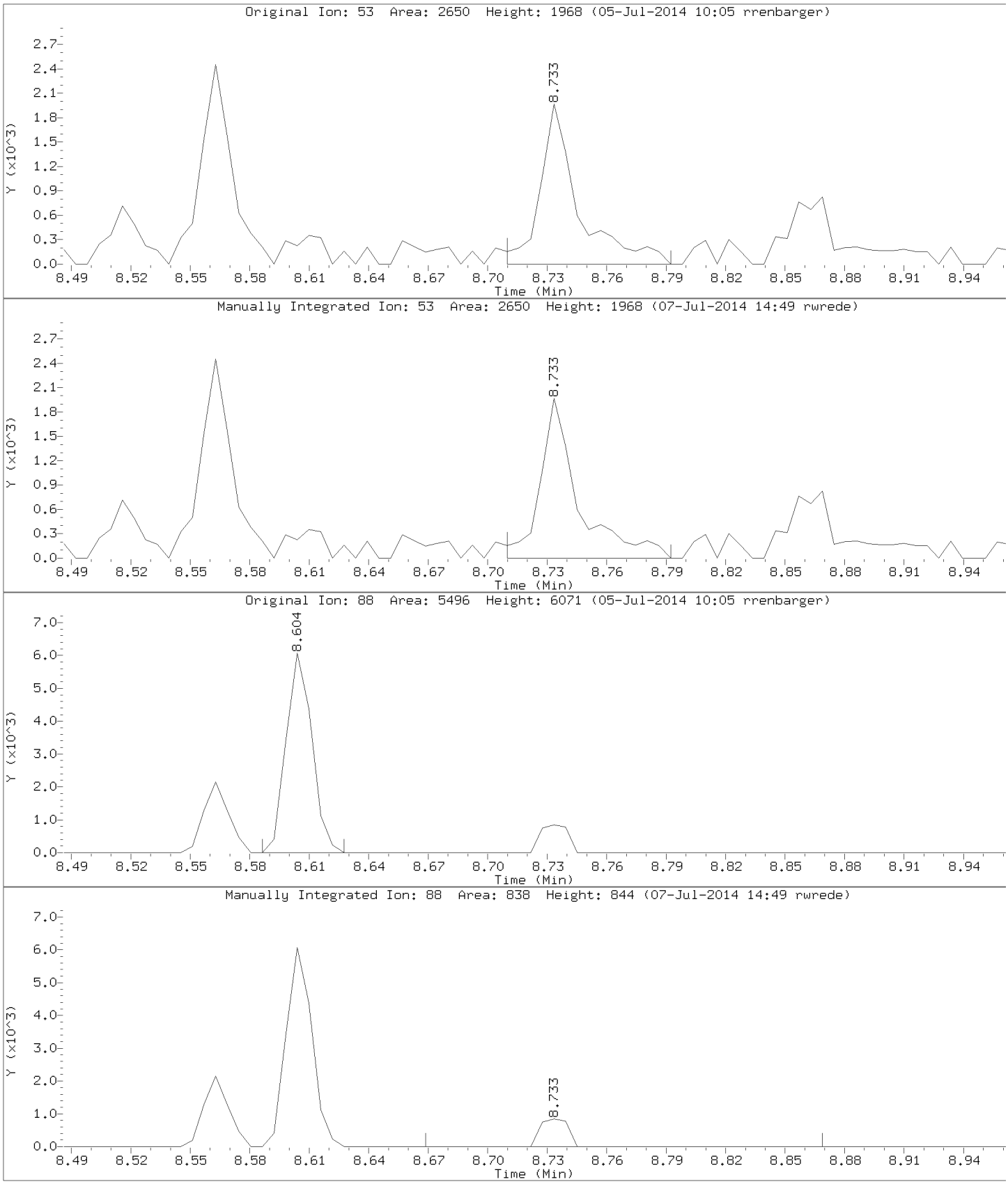
Injection Date: 04-JUL-2014 00:49
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL2

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



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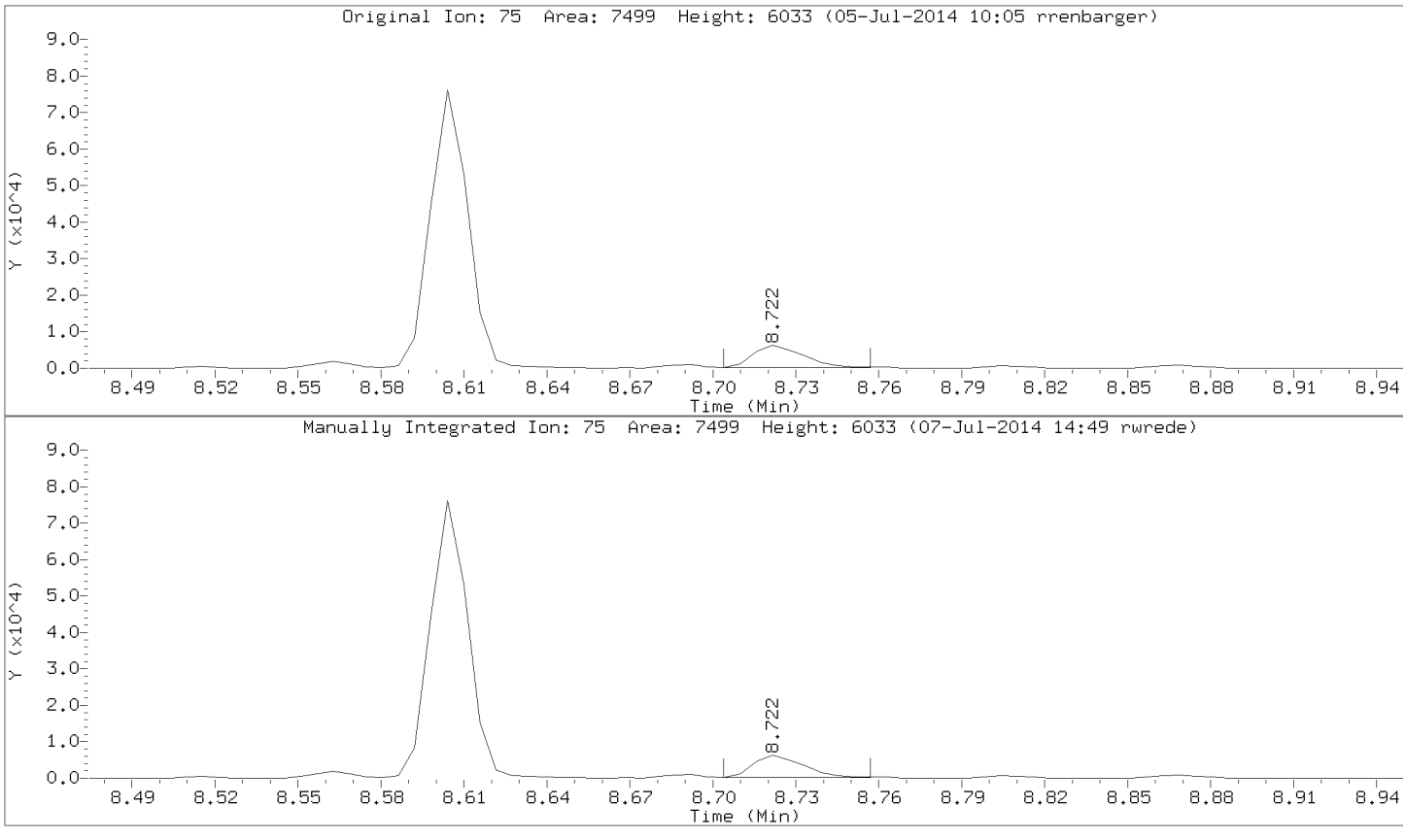
Lab Sample ID: 8260-CAL2



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Inj Date : 04-JUL-2014 01:21
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal3,71911:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 9 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)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	1.016	1.016	(0.197)	17834	2.00000	2.12(M)	LT
2	Chloromethane	50	1.163	1.157	(0.226)	18486	2.00000	2.03(M)	LT
3	Vinyl Chloride	62	1.180	1.181	(0.230)	14159	2.00000	1.99	
4	Bromomethane	94	1.380	1.375	(0.268)	6159	2.00000	1.73(QM)	NI
5	Chloroethane	64	1.433	1.433	(0.279)	8112	2.00000	2.08	
6	Trichlorofluoromethane	101	1.592	1.592	(0.310)	20960	2.00000	2.20	
7	Diethyl ether	74	1.786	1.786	(0.347)	5395	2.00000	1.80	
8	1,2-dichlorotrifluoroethane	67	1.798	1.798	(0.350)	12816	2.00000		
9	Acrolein	56	1.874	1.875	(0.364)	28606	40.0000	38.7	
10	1,1,2trichlorotrifluoroethane	101	1.945	1.951	(0.378)	9846	2.00000	1.75	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	9727	2.00000	1.87	
12	Acetone	43	1.986	1.992	(0.386)	14518	10.0000	10.5(M)	NI
13	Iodomethane	142	2.051	2.057	(0.399)	16677	4.00000	0.866(M)	LT
14	Carbon Disulfide	76	2.098	2.104	(0.408)	48499	4.00000	3.58	
15	Acetonitrile	39	2.221	2.228	(0.432)	20446	2.00000		
16	allyl chloride	41	2.221	2.228	(0.432)	31986	4.00000	(M)	LT
17	Methyl Acetate	43	2.251	2.251	(0.438)	8740	2.00000	2.44	
18	Methylene Chloride	84	2.321	2.328	(0.451)	18898	2.00000	2.69	
19	tert-Butyl Alcohol	59	2.451	2.457	(0.476)	1795	4.00000	4.04(Q)	
20	Acrylonitrile	53	2.551	2.557	(0.496)	57879	40.0000	33.8	
21	1,2-Dichloroethene (trans)	96	2.569	2.569	(0.499)	10668	2.00000	1.82	
22	Methyl-tert-butyl ether	73	2.580	2.580	(0.502)	55656	4.00000	3.75	
23	n-Hexane	57	2.845	2.845	(0.553)	12246	2.00000	3.03(M)	LT

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.998	2.998	(0.583)	17479	2.00000	1.76	
	25 Vinyl Acetate	43	3.080	3.086	(0.599)	75605	8.00000	7.44	
	26 chloroprene	53	3.098	3.098	(0.602)	15601	2.00000	1.97	
	27 2,2-Dichloropropane	77	3.698	3.704	(0.719)	15337	2.00000	1.88	
	28 1,2-Dichloroethene (cis)	96	3.715	3.716	(0.722)	12226	2.00000	1.72	
	29 2-Butanone	43	3.774	3.774	(0.734)	21555	10.0000	9.05	
	30 Propionitrile	54	3.851	3.863	(0.749)	1755	2.00000	4.30(Q)	
	31 Bromochloromethane	49	4.039	4.039	(0.785)	8537	2.00000	1.83	
	32 Methacrylonitrile	41	4.051	4.057	(0.787)	6849	2.00000	1.71(Q)	
	33 Tetrahydrofuran	42	4.110	4.110	(0.799)	4042	2.00000	1.39	
	34 Chloroform	83	4.168	4.174	(0.810)	19585	2.00000	1.77	
	35 1,1,1-Trichloroethane	97	4.363	4.369	(0.848)	18656	2.00000	1.82	
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.850)	104766	50.0000	49.4	
	37 Cyclohexane	56	4.415	4.416	(0.858)	17677	2.00000	1.91	
	38 Carbon Tetrachloride	117	4.562	4.563	(0.887)	12396	2.00000	1.53	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.889)	14408	2.00000	1.75	
	40 Benzene	78	4.815	4.816	(0.936)	40659	2.00000	1.78	
	41 1,2-Dichloroethane	62	4.857	4.851	(0.944)	14577	2.00000	1.80	
	42 Isobutyl alcohol	43	4.939	4.933	(0.960)	5548	2.00000	4.76(QM)	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.959)	21819	2.00000	1.62	
*	44 Fluorobenzene	96	5.145	5.151	(1.000)	382666	50.0000		
	45 Trichloroethene	95	5.539	5.545	(1.077)	12133	2.00000	1.74	
	46 Methylcyclohexane	55	5.727	5.721	(1.113)	12854	2.00000	1.72	
	47 1,2-Dichloropropane	63	5.768	5.774	(1.121)	10838	2.00000	1.80(M)	LT
	48 Dibromomethane	93	5.892	5.892	(1.145)	7012	2.00000	1.73	
	49 1,4-Dioxane	88	5.945	5.939	(1.155)	1356	40.0000	28.0(M)	LT
	50 Methyl methacrylate	69	5.957	5.957	(1.158)	7120	2.00000	1.85	
	51 Bromodichloromethane	83	6.074	6.074	(1.181)	11984	2.00000	1.58	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	12047	4.00000	3.44	
	53 cis-1,3-Dichloropropene	75	6.509	6.515	(0.828)	15733	2.00000	1.72	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	43285	10.0000	8.88	
$	55 Toluene-d8	98	6.751	6.751	(0.859)	405210	50.0000	50.6	
	56 Toluene	91	6.815	6.815	(0.867)	46170	2.00000	1.79	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	12709	2.00000	1.65	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	12752	2.00000	1.85	
	59 1,1,2-Trichloroethane	83	7.180	7.180	(0.913)	7614	2.00000	1.67	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	13536	2.00000	1.77	
	61 1,3-Dichloropropane	76	7.303	7.310	(0.929)	14810	2.00000	1.73	
	62 2-Hexanone	43	7.398	7.398	(0.941)	30456	10.0000	9.16	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	8520	2.00000	1.48	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	9622	2.00000	1.71	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	320980	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	32003	2.00000	1.79	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	10556	2.00000	1.71	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	17143	2.00000	1.72	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	43048	4.00000	3.78	
	70 o-Xylene	106	8.286	8.286	(1.054)	21095	2.00000	1.86	
	71 Styrene	104	8.298	8.298	(1.055)	35203	2.00000	1.88	
	72 Bromoform	173	8.403	8.404	(0.906)	5243	2.00000	4.39(M)	NI
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	50453	2.00000	1.81	
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.094)	160753	50.0000	50.9	
	75 Bromobenzene	77	8.686	8.686	(1.105)	18534	2.00000	1.79	
	76 1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.938)	10661	2.00000	1.65	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	3131	2.00000	1.56	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.727	8.733	(1.110)	2448	2.00000	2.84(Q)	
79 n-Propylbenzene	91	8.756	8.762	(0.944)	56419	2.00000	1.80	
80 2-Chlorotoluene	91	8.803	8.804	(0.949)	35082	2.00000	1.80	
81 1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	42565	2.00000	1.81	
82 4-Chlorotoluene	126	8.868	8.868	(0.956)	13734	2.00000	1.84	
83 tert-Butylbenzene	119	9.050	9.051	(0.976)	45404	2.00000	1.84	
84 1,2,4-Trimethylbenzene	105	9.074	9.080	(0.978)	43301	2.00000	1.78	
85 sec-Butylbenzene	105	9.174	9.180	(0.989)	47603	2.00000	1.74	
86 1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	23220	2.00000	1.73	
87 p-Isopropyltoluene	119	9.256	9.262	(0.998)	43813	2.00000	1.79	
* 88 1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	176896	50.0000		
89 1,4-Dichlorobenzene	146	9.286	9.292	(1.001)	23691	2.00000	1.74	
90 n-Butylbenzene	91	9.492	9.498	(1.023)	33318	2.00000	1.73	
91 1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	22291	2.00000	1.78	
92 1,2-Dibromo-3-chloropropane	155	9.950	9.956	(1.073)	2078	2.00000	1.77	
93 1,2,4-Trichlorobenzene	180	10.433	10.439	(1.125)	11563	2.00000	1.60	
94 Hexachlorobutadiene	225	10.533	10.539	(1.136)	5626	2.00000	1.62	
95 Naphthalene	128	10.580	10.586	(1.141)	36195	2.00000	1.70	
96 1,2,3-Trichlorobenzene	180	10.727	10.733	(1.157)	10551	2.00000	1.61	
97 2,methyl-naphthalene	142	11.274	11.280	(1.216)	10966	2.00000	1.45	
98 1-Methylnaphthalene	142	11.391	11.398	(2.214)	10482	2.00000	1.49	

QC Flag Legend

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

Review Codes Legend

LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).
:
NI: Indicates that the peak was not integrated at all by the computer software.

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a04.d
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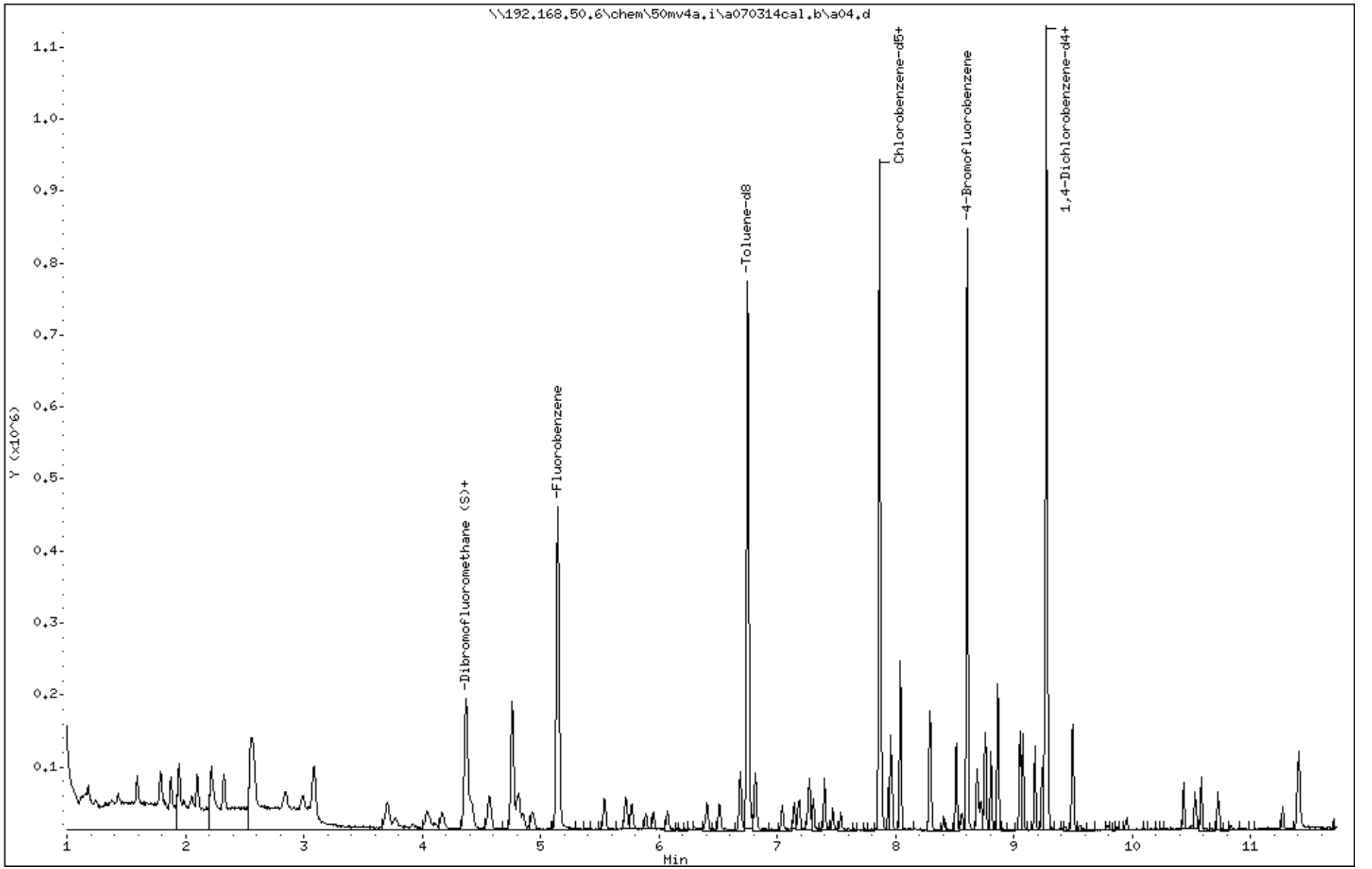
Client ID: 8260-CAL3
Sample Info: 8260-CAL3,71911:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv4a.i
Operator: rsw
Column diameter: 0.18



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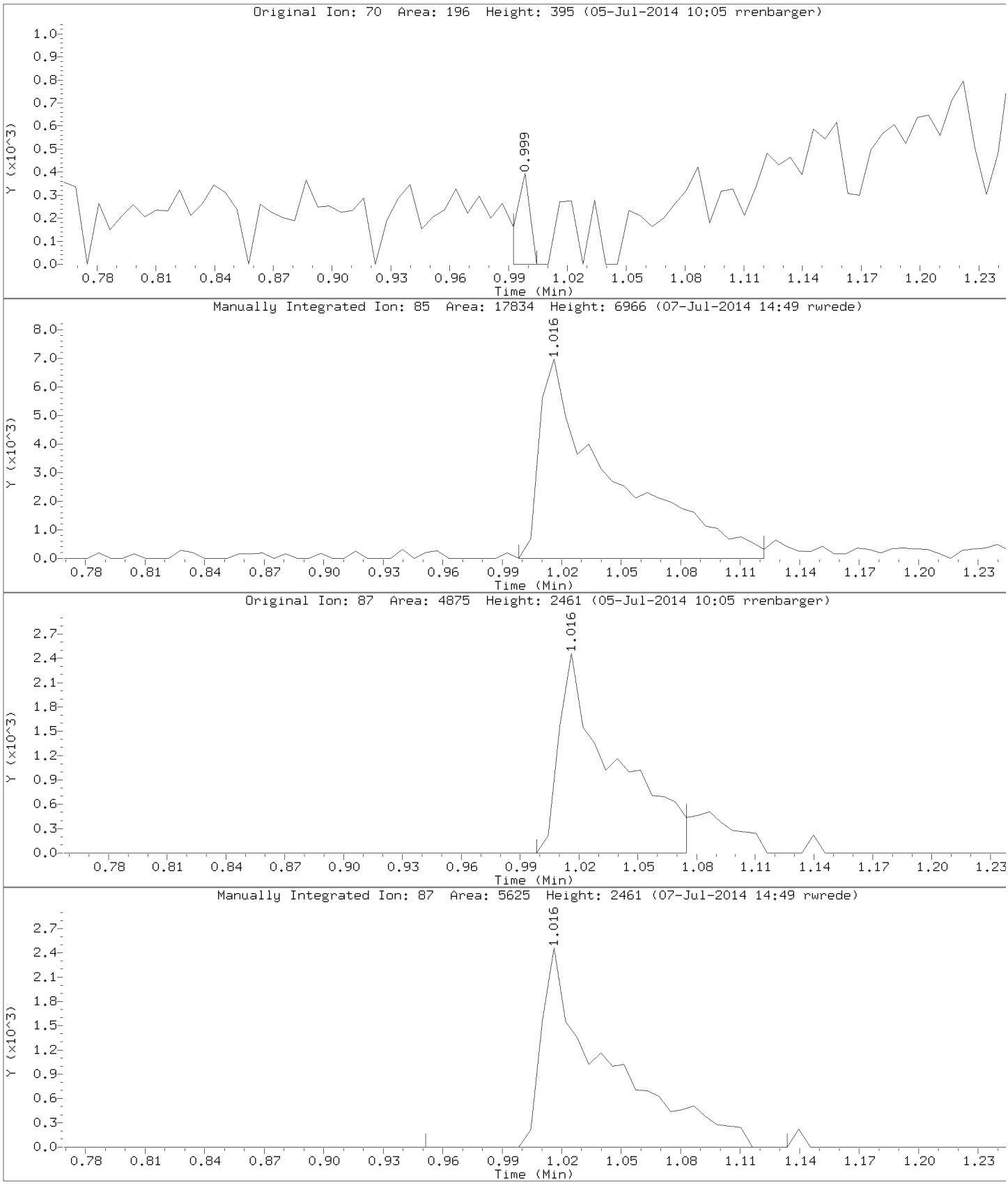
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Dichlorodifluoromethane
CAS Number: 75-71-8



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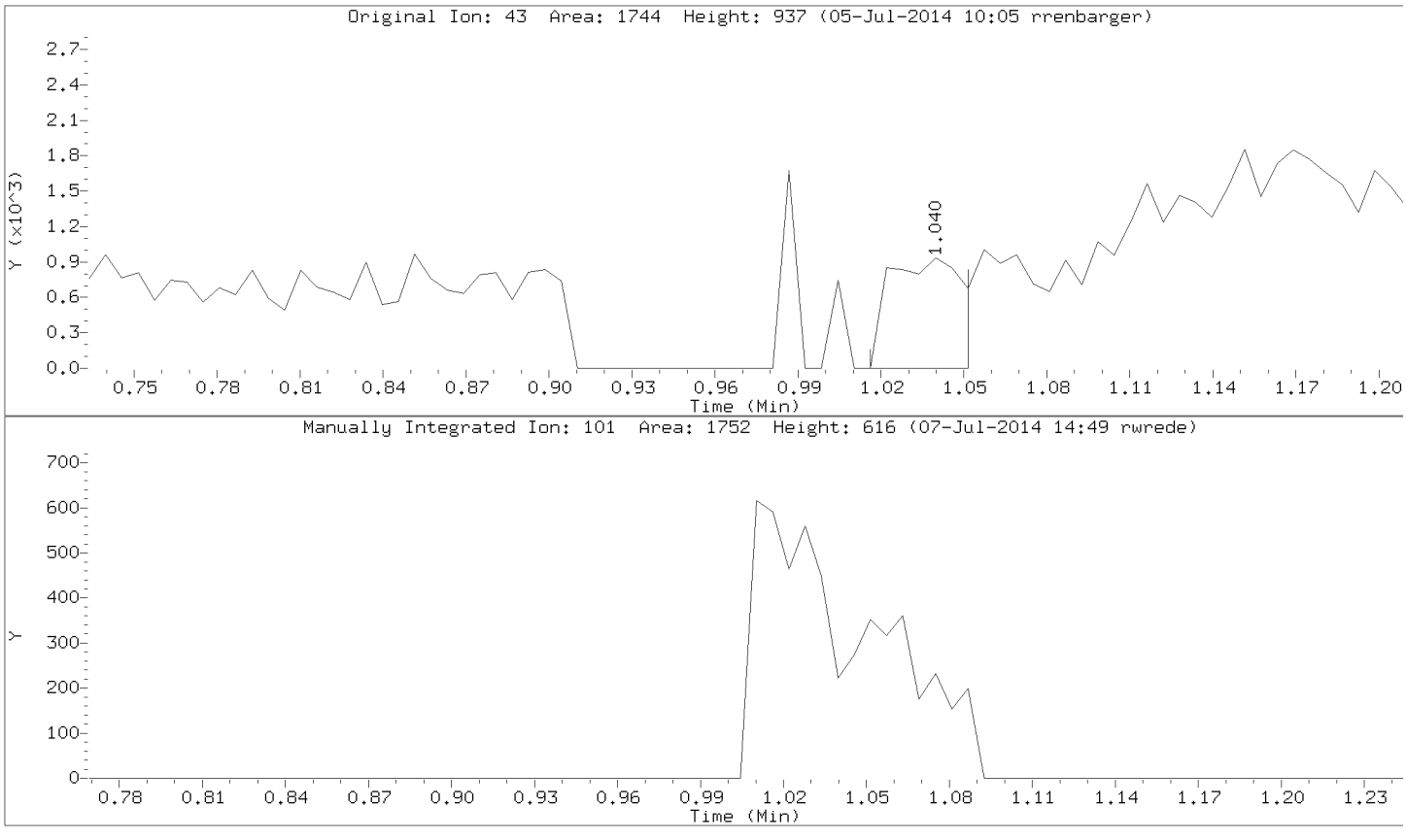

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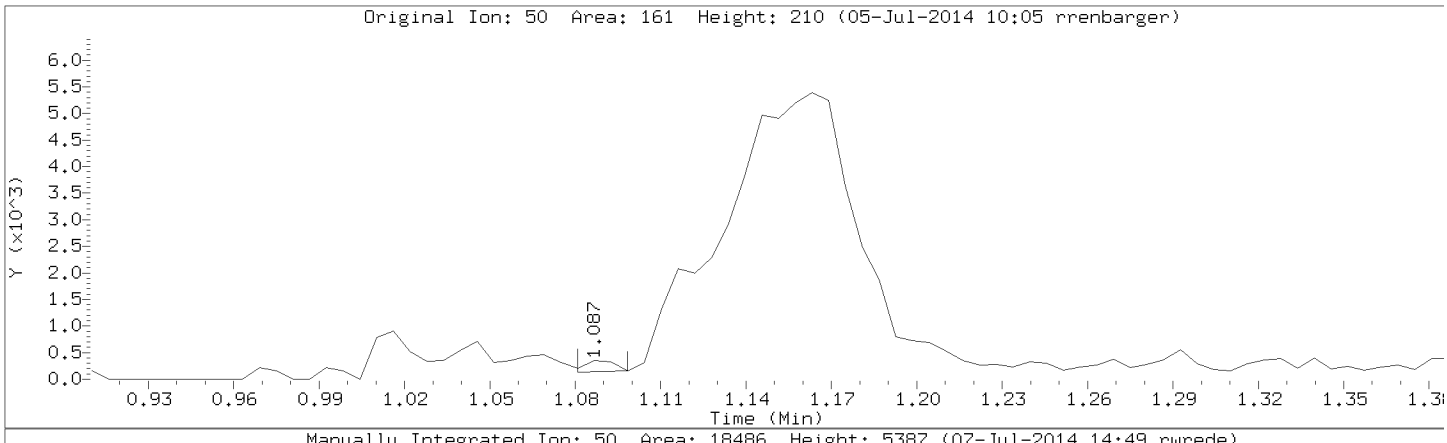
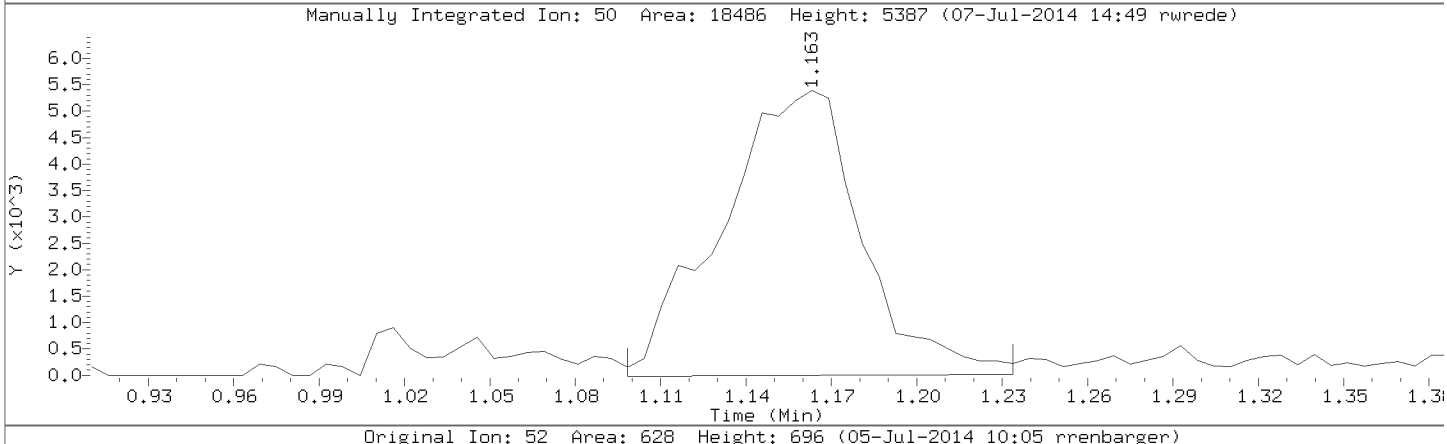
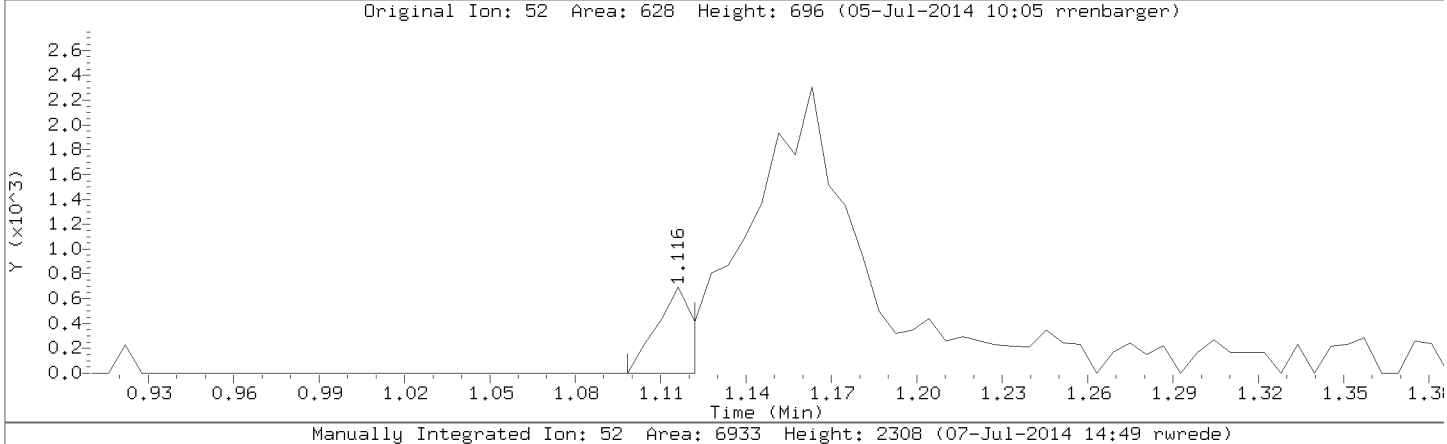
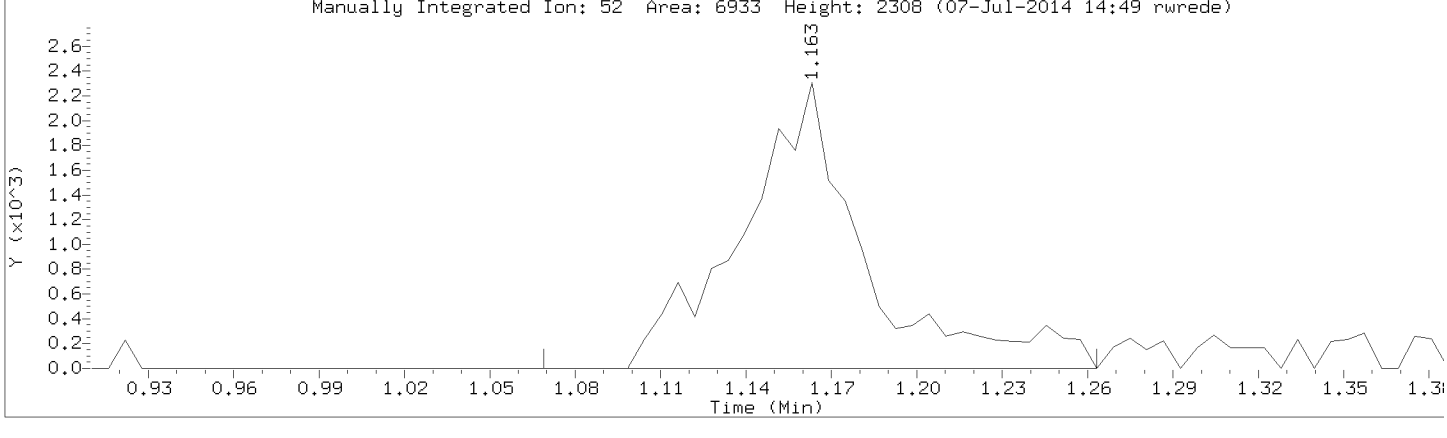
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Chloromethane
CAS Number: 74-87-3









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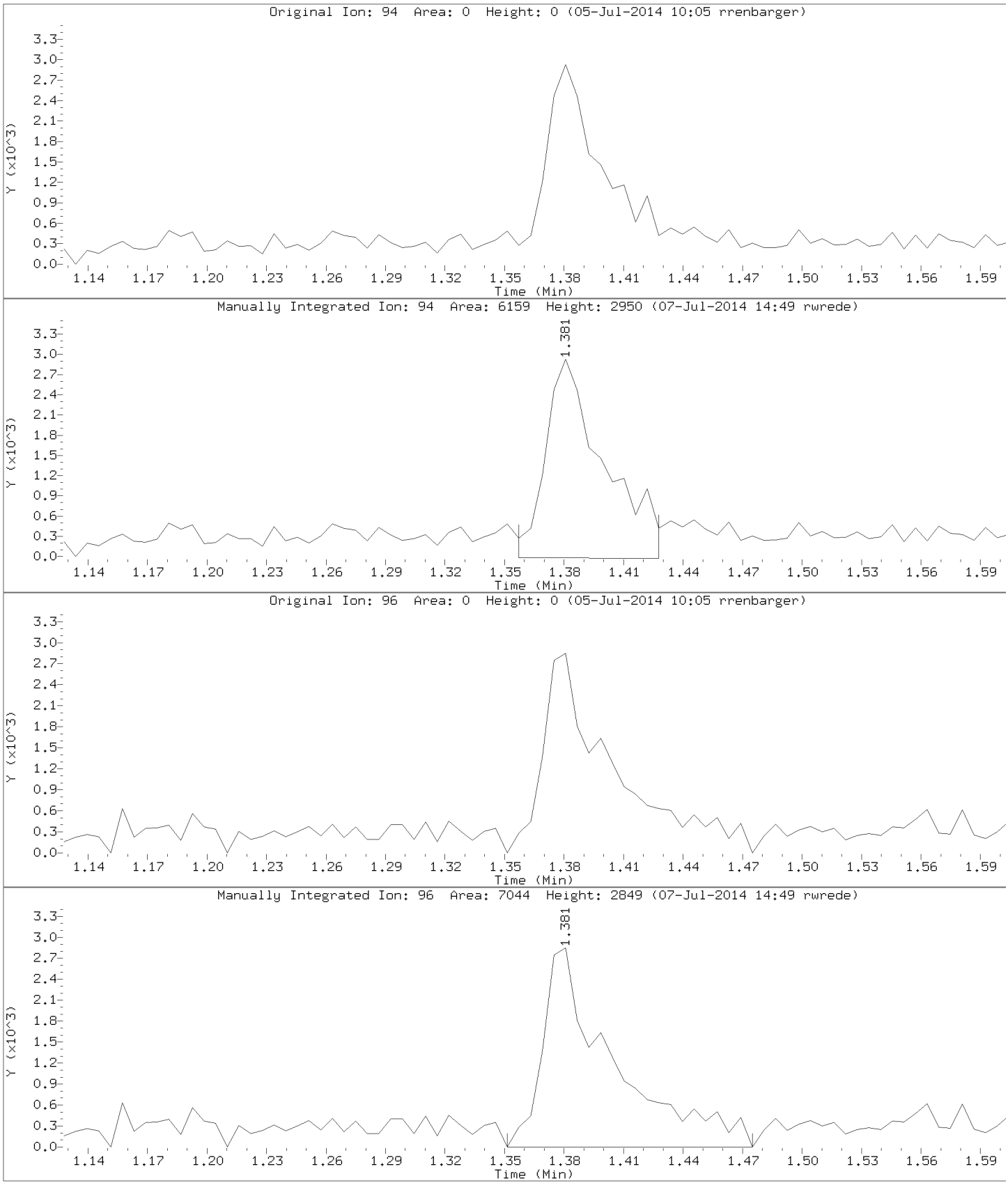
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Bromomethane
CAS Number: 74-83-9



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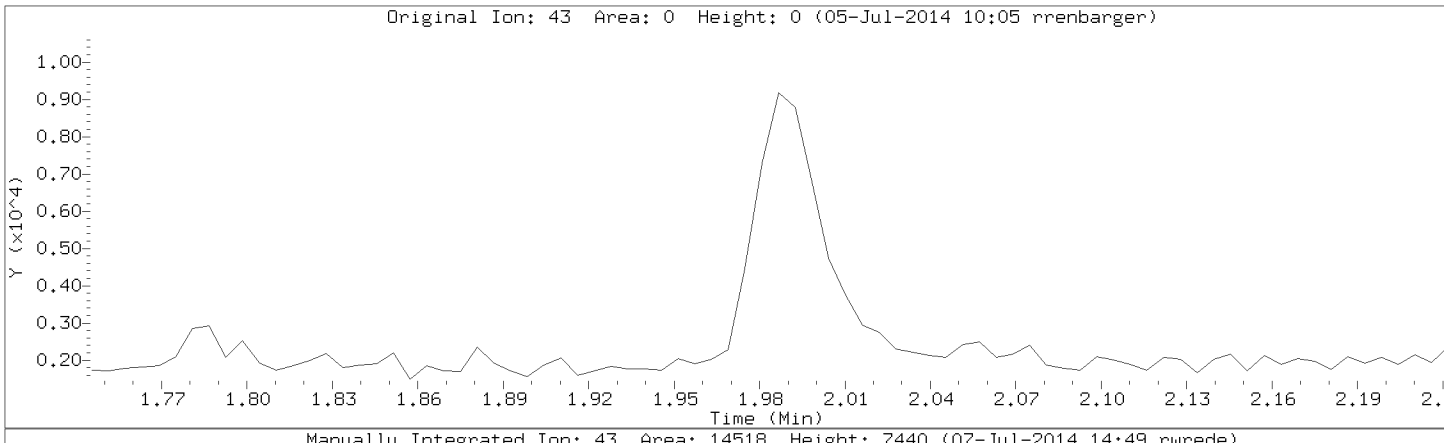
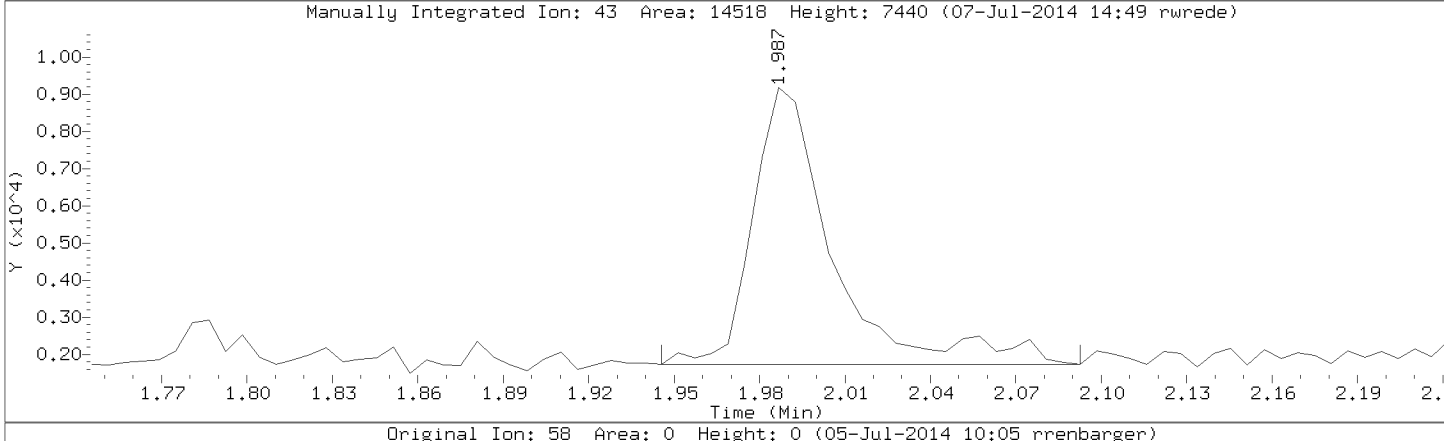
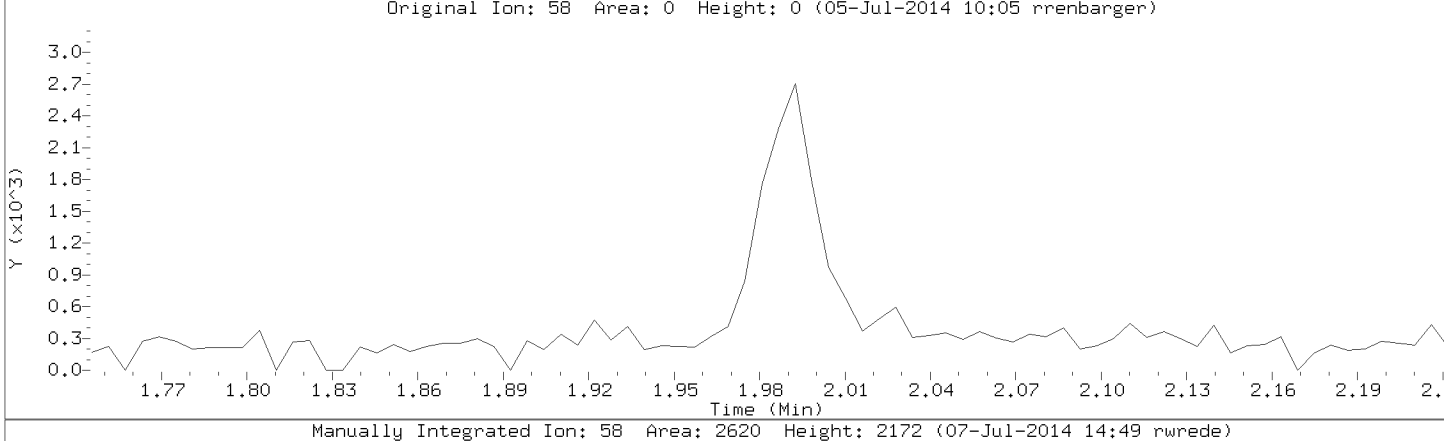
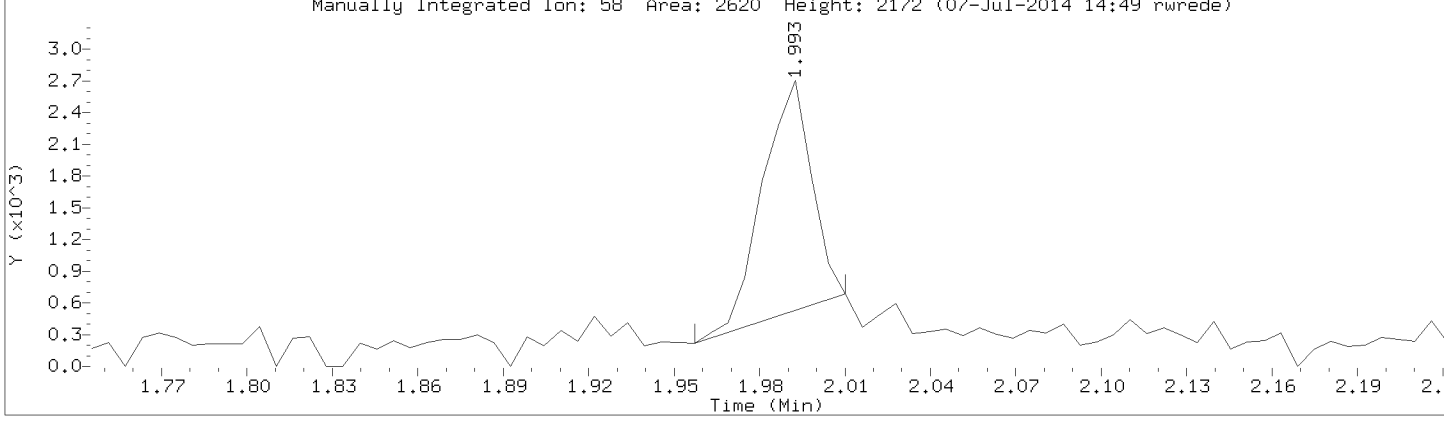
Injection Date: 04-JUL-2014 01:21
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Acetone
CAS Number: 67-64-1









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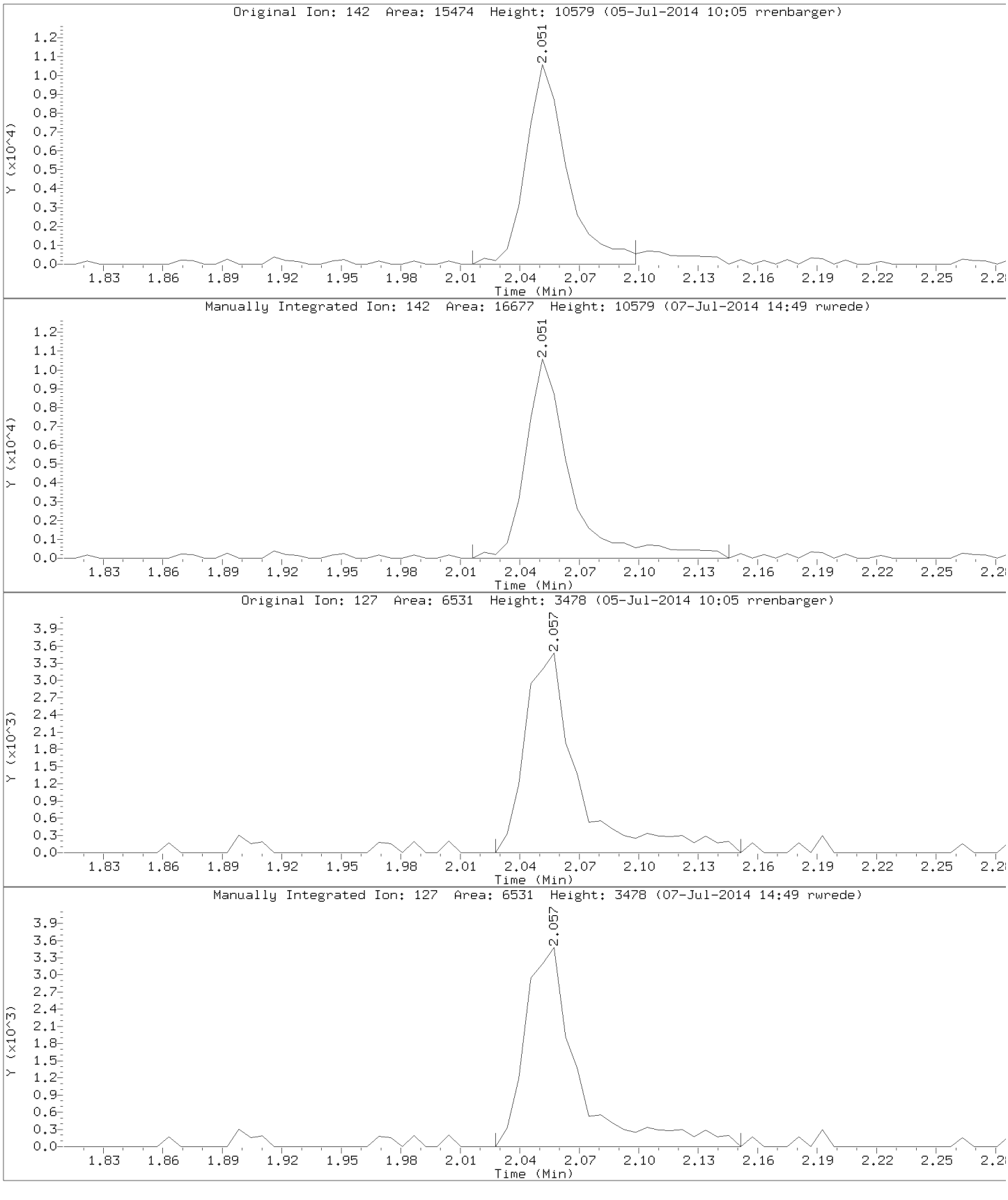
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Iodomethane
CAS Number:



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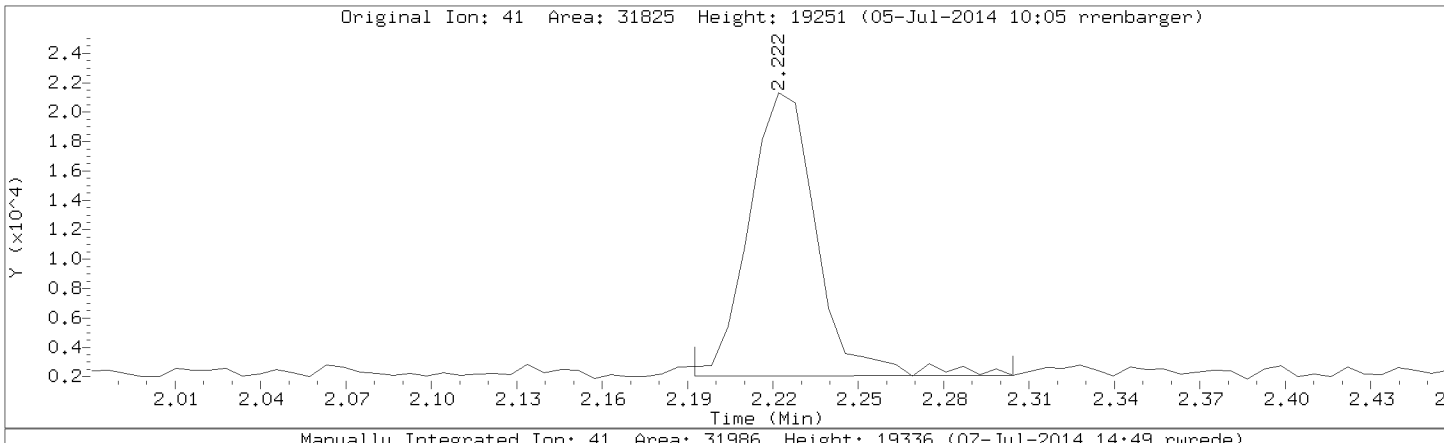
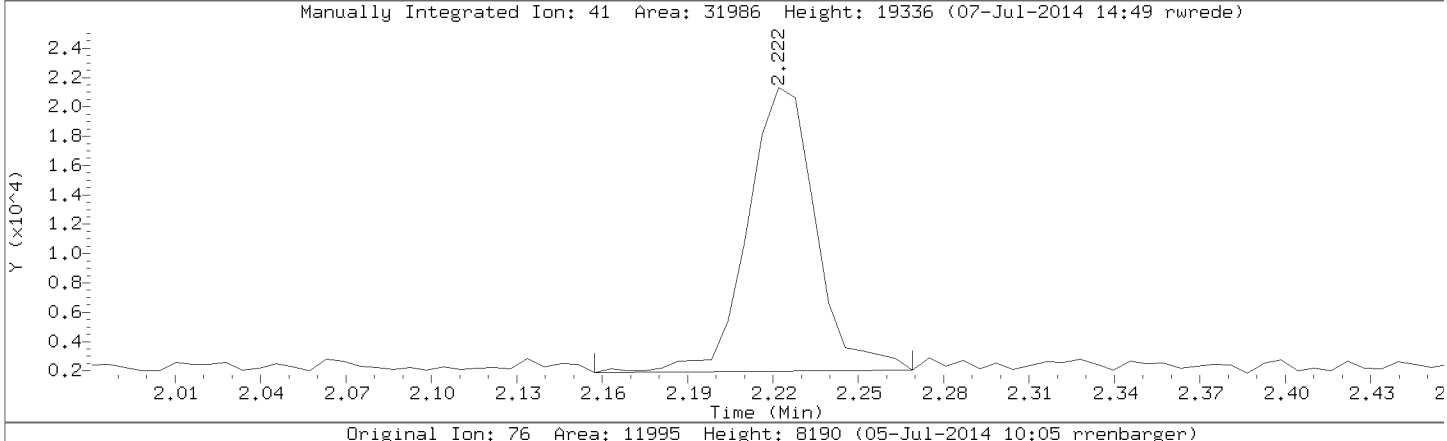
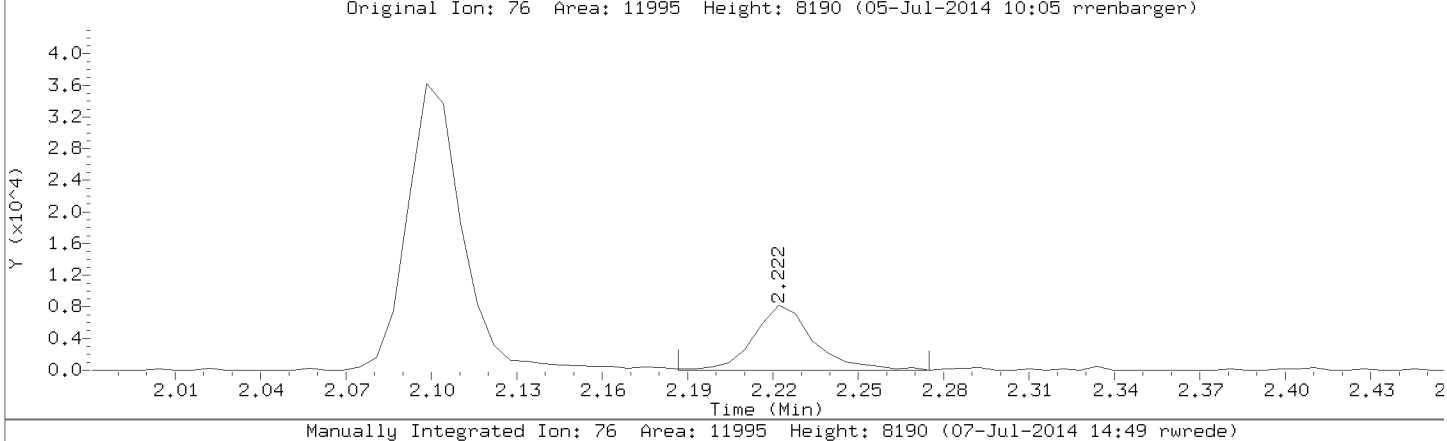
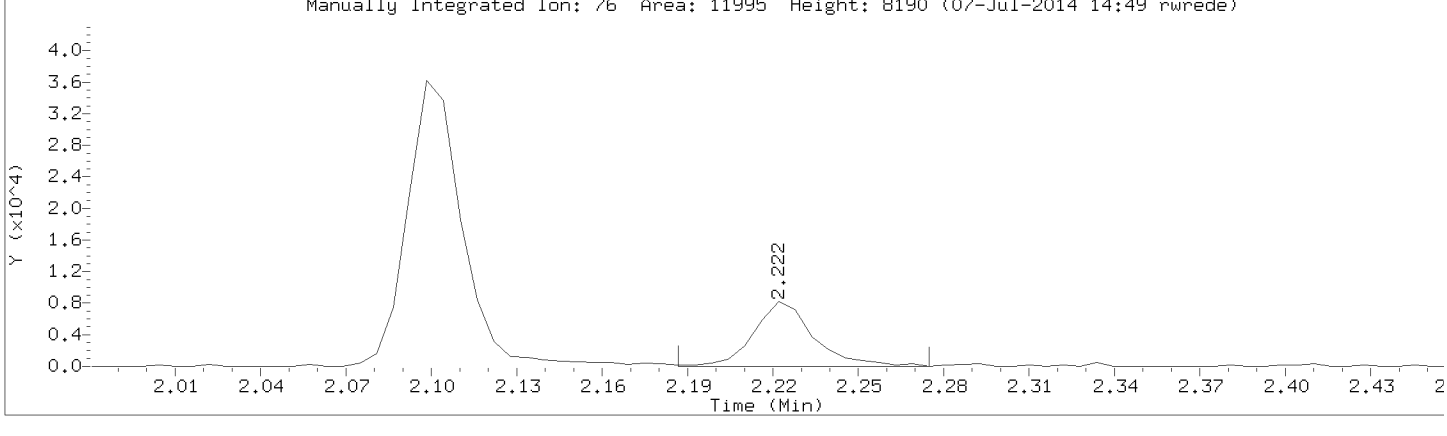
Injection Date: 04-JUL-2014 01:21
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

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









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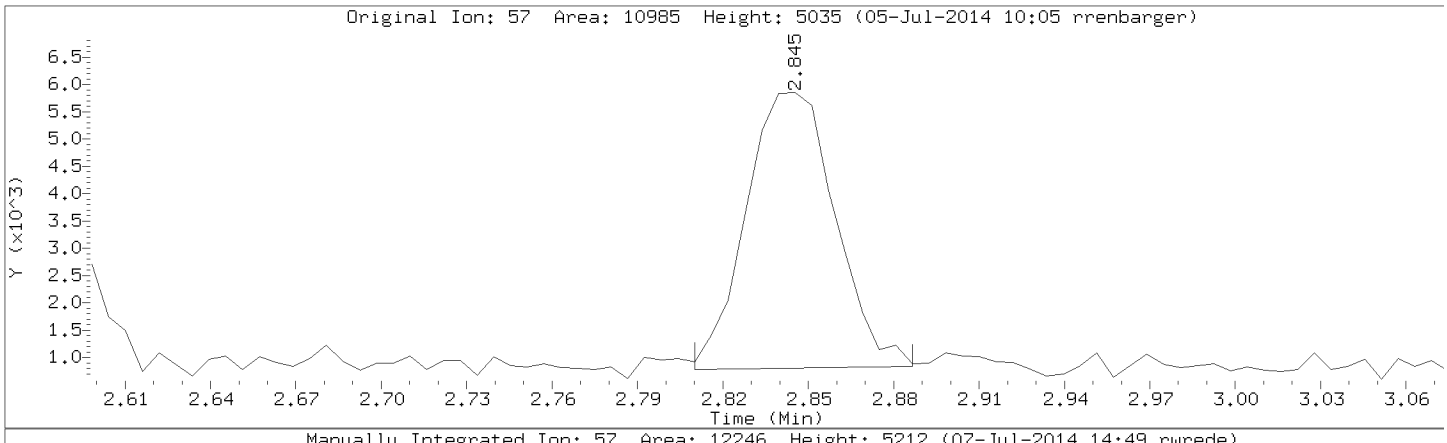
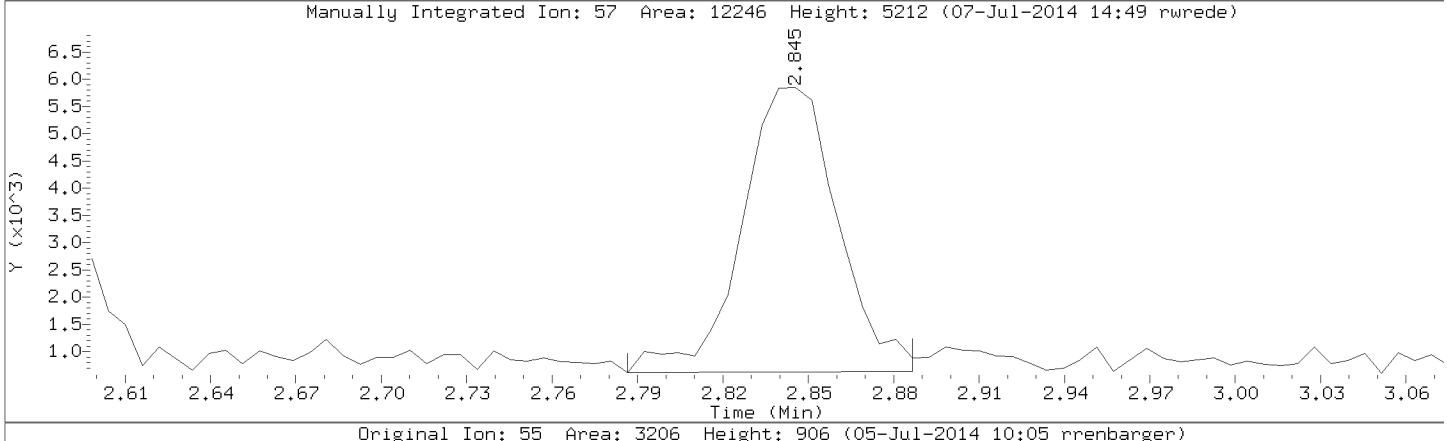
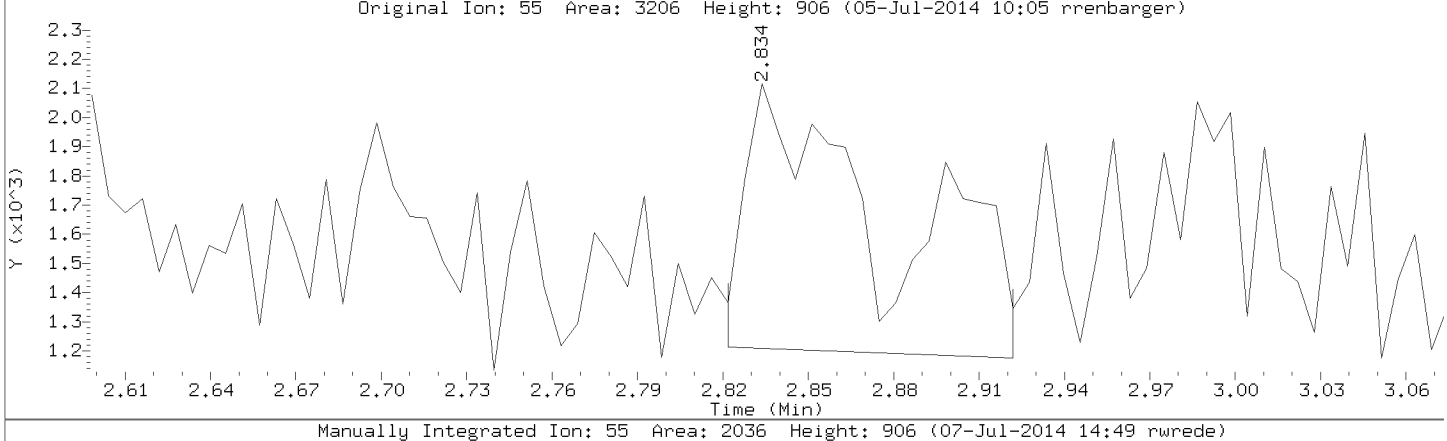
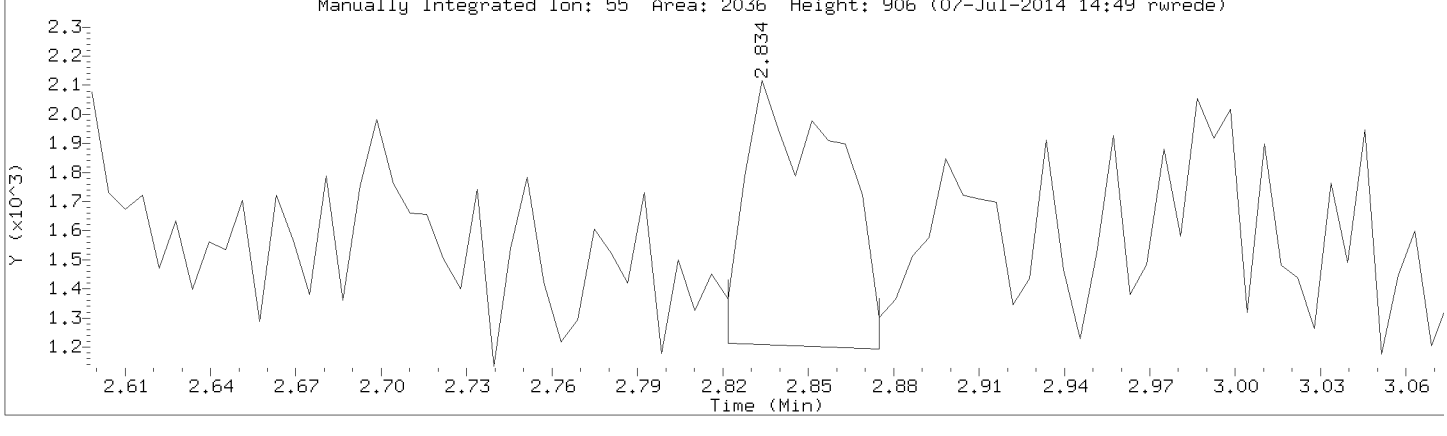
Injection Date: 04-JUL-2014 01:21
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: n-Hexane
CAS Number:









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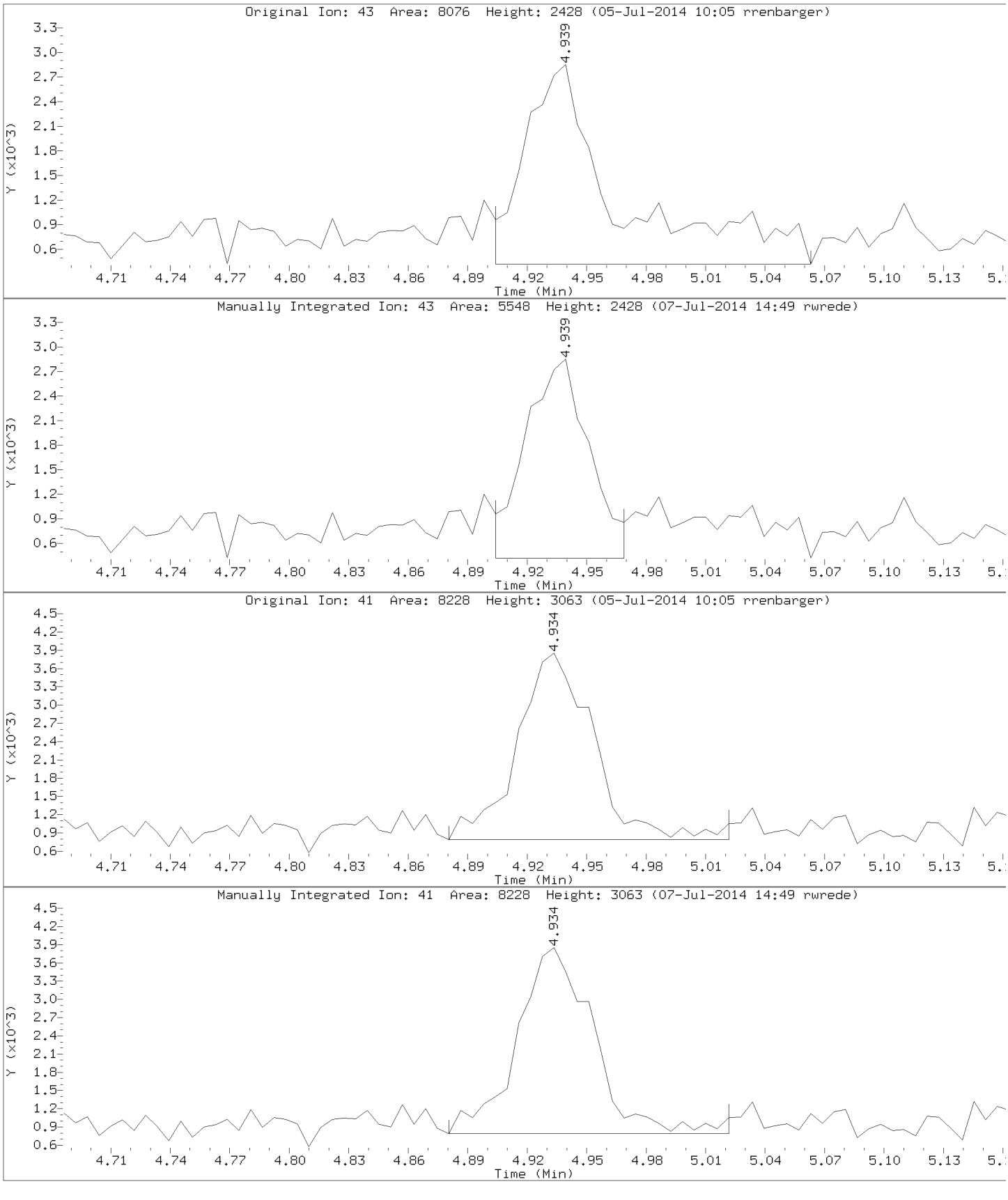
Injection Date: 04-JUL-2014 01:21
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Isobutyl alcohol
CAS Number: 78-83-1



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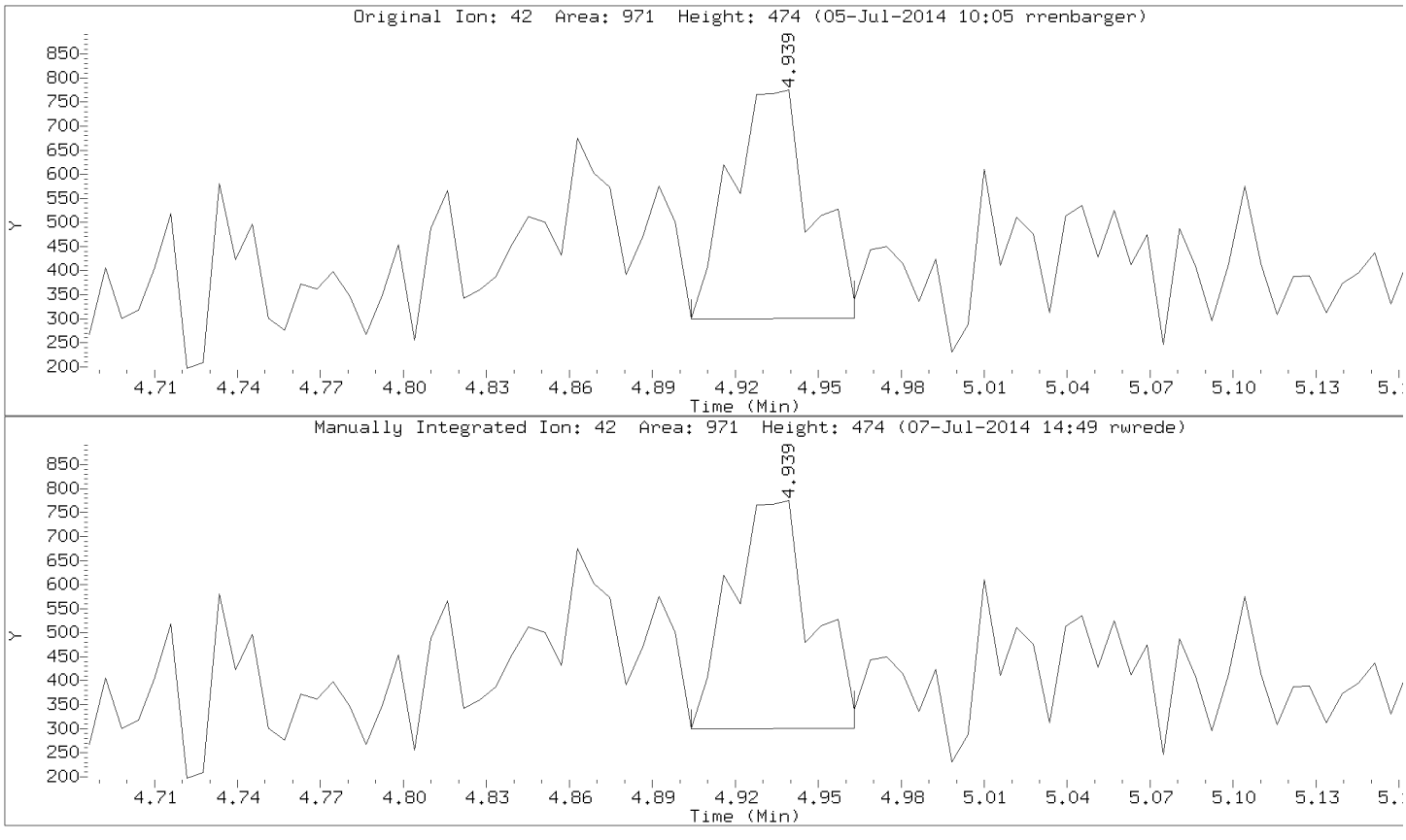
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3



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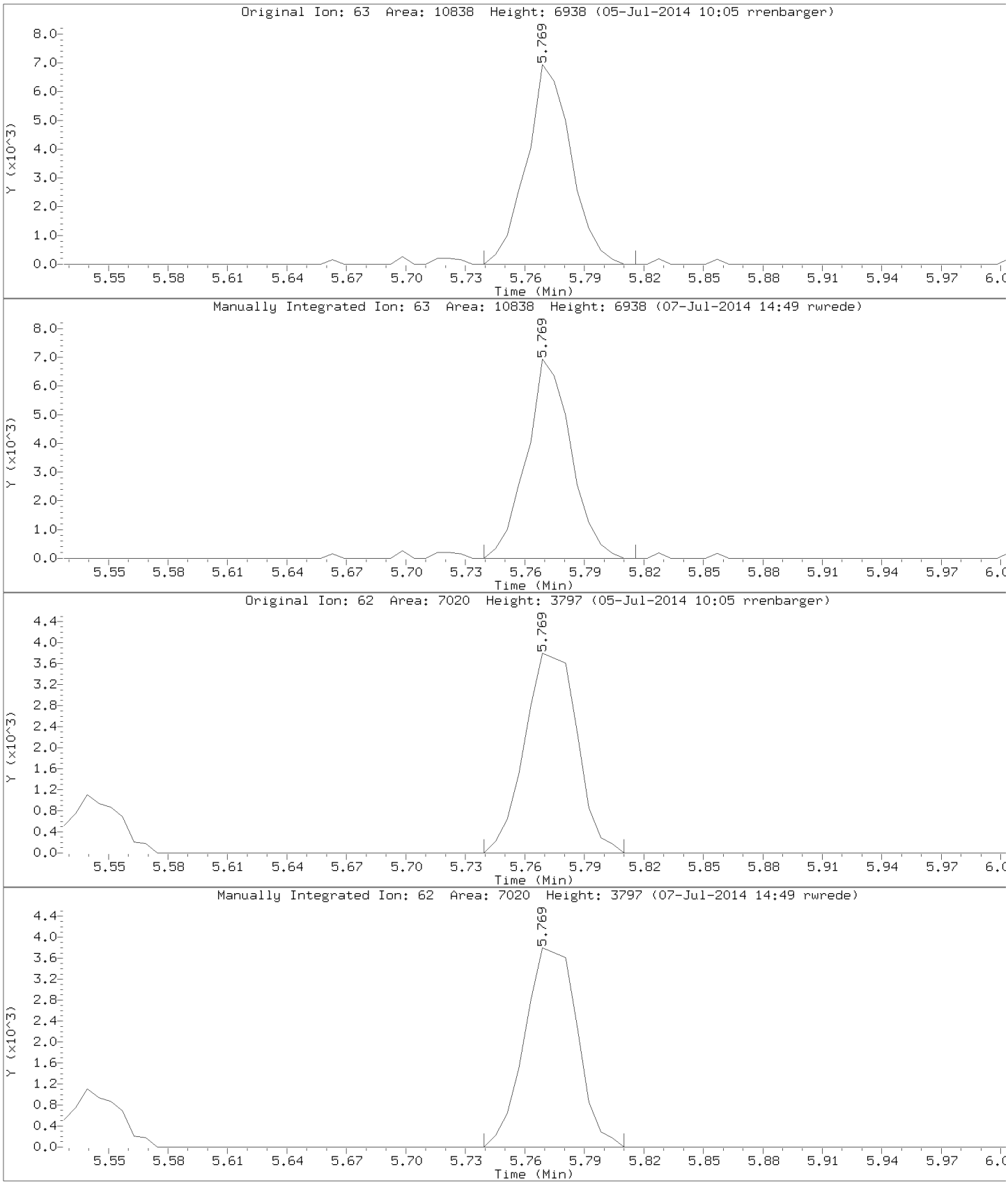
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: 1,2-Dichloropropane
CAS Number: 78-87-5



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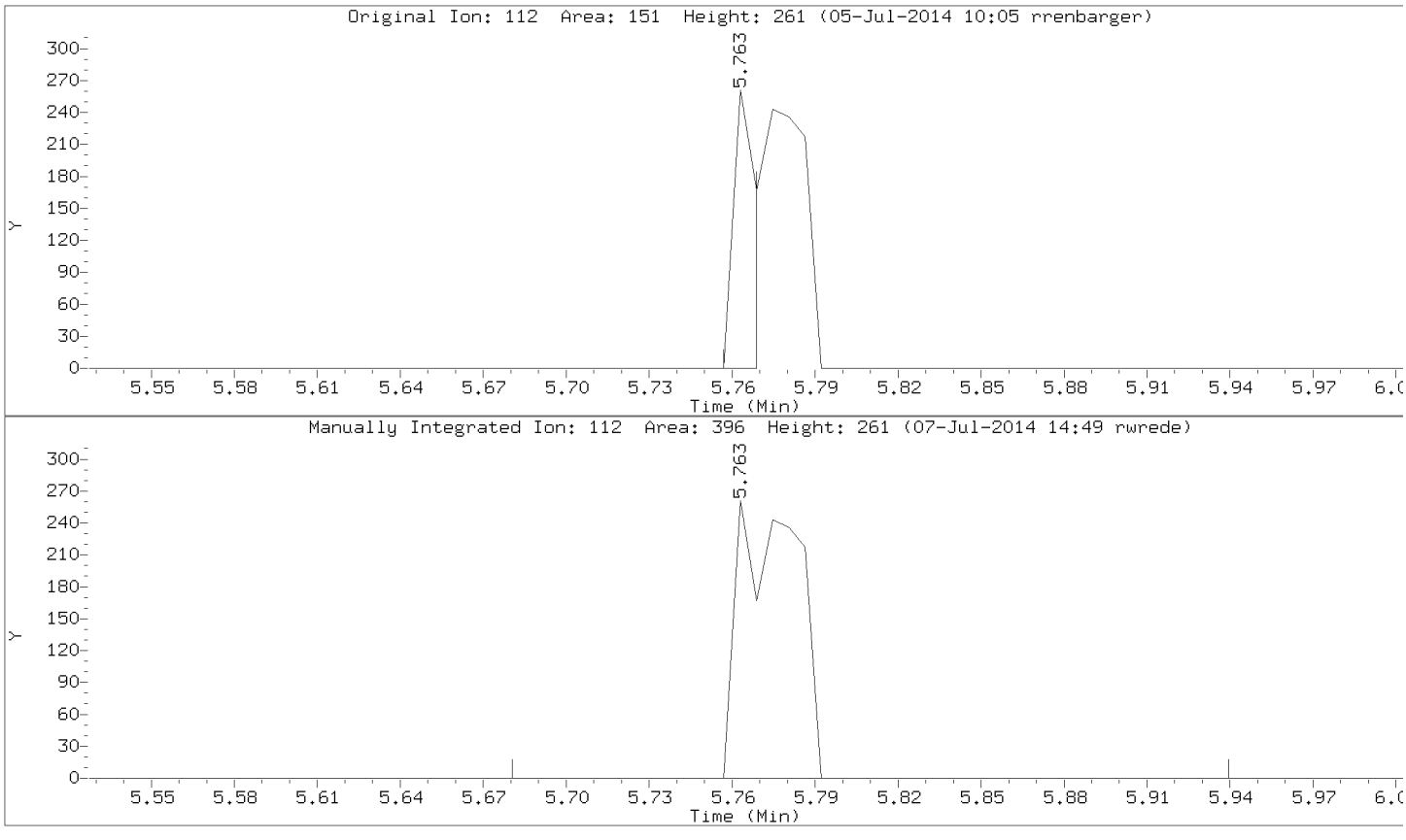
Lab Sample ID: 8260-CAL3



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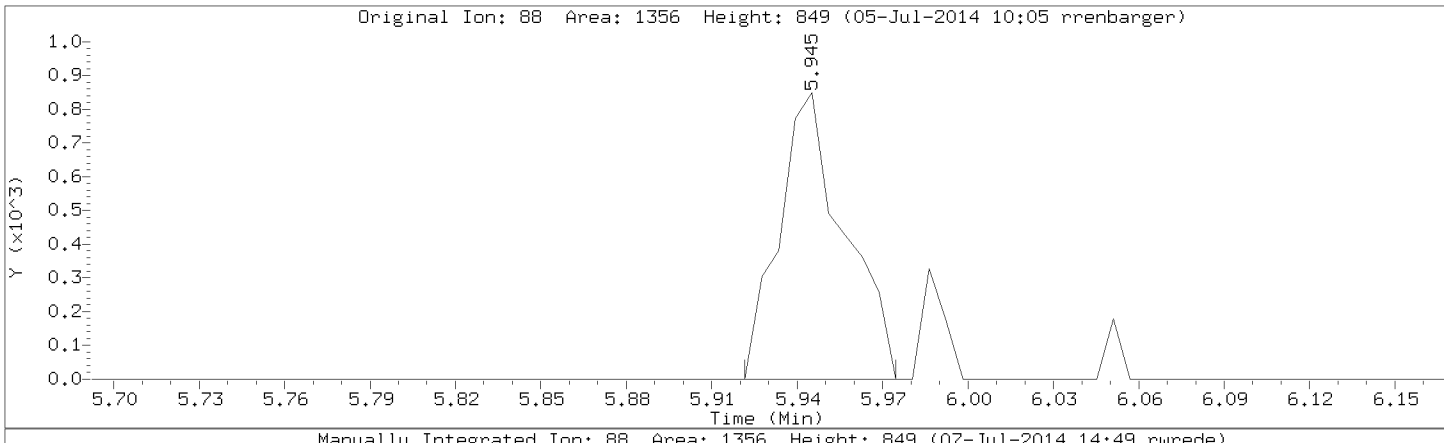
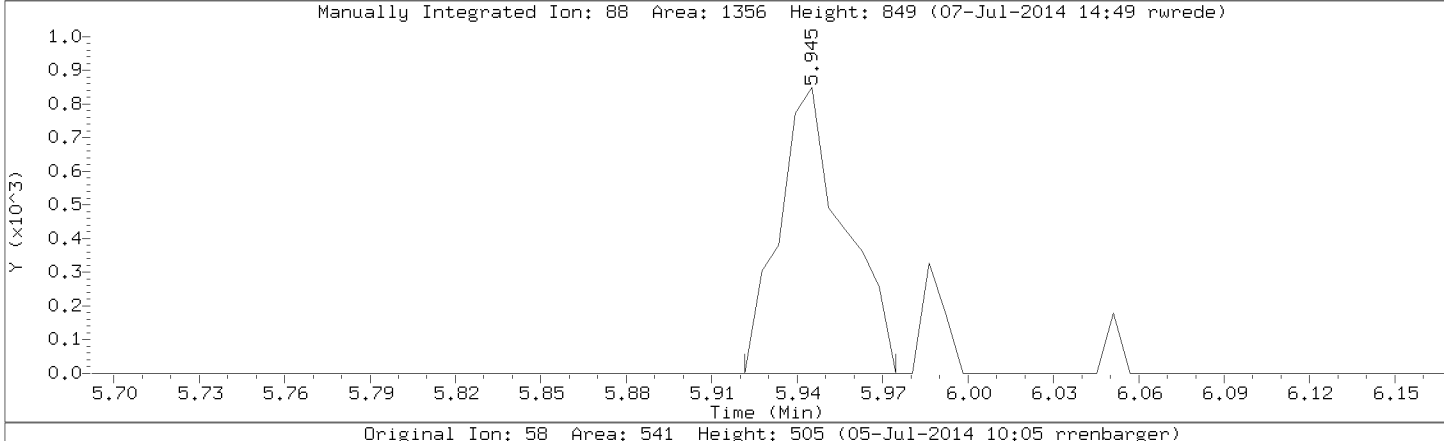
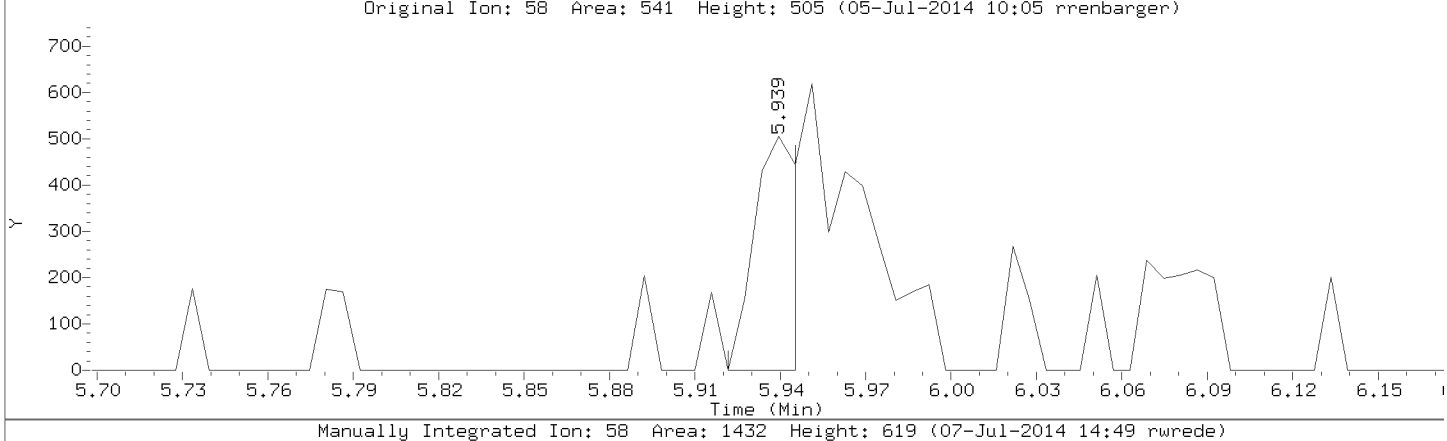
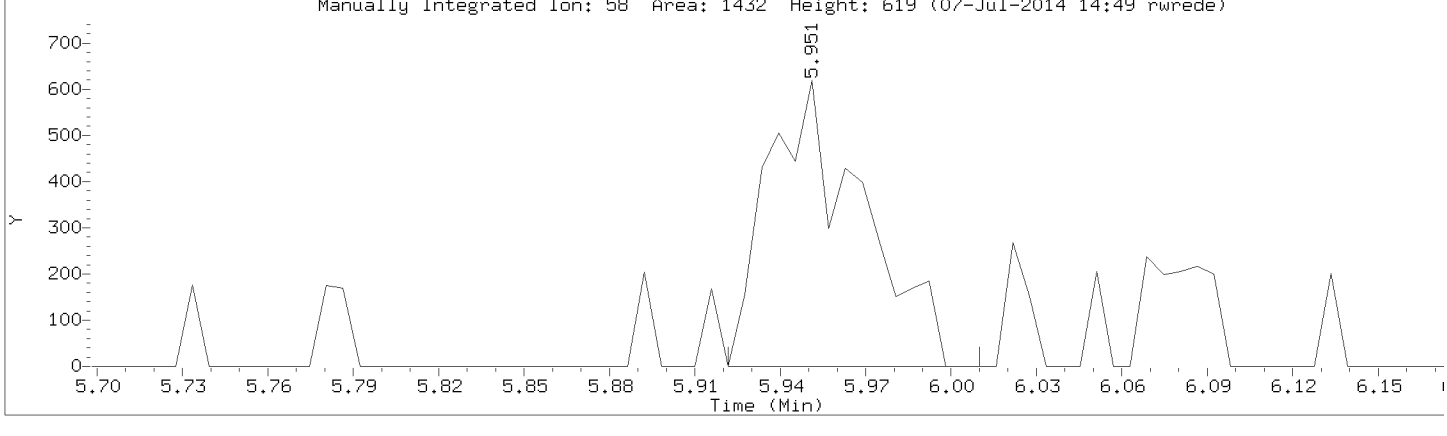
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: 1,4-Dioxane
CAS Number:









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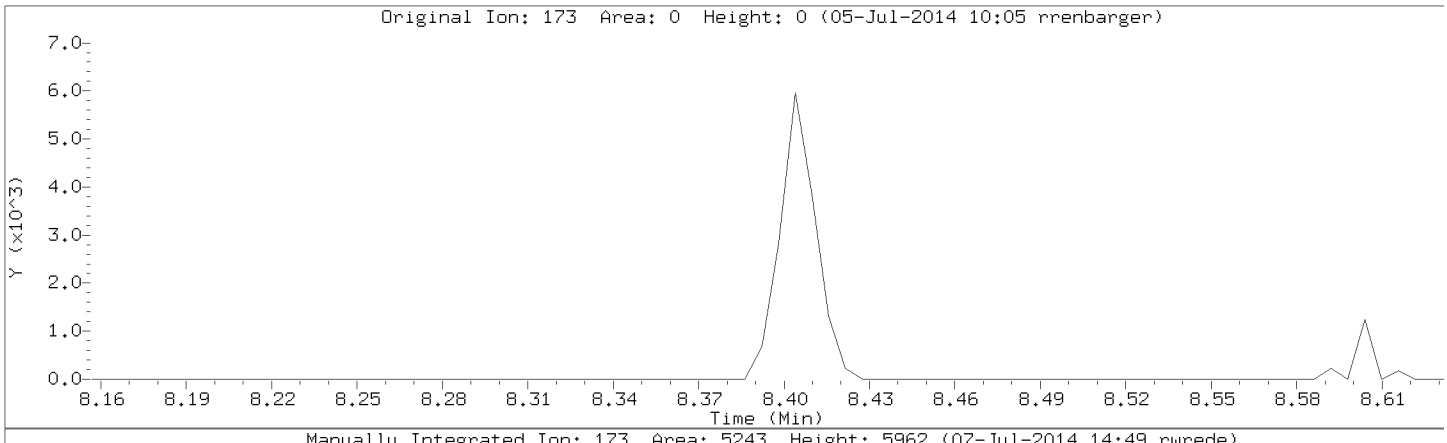
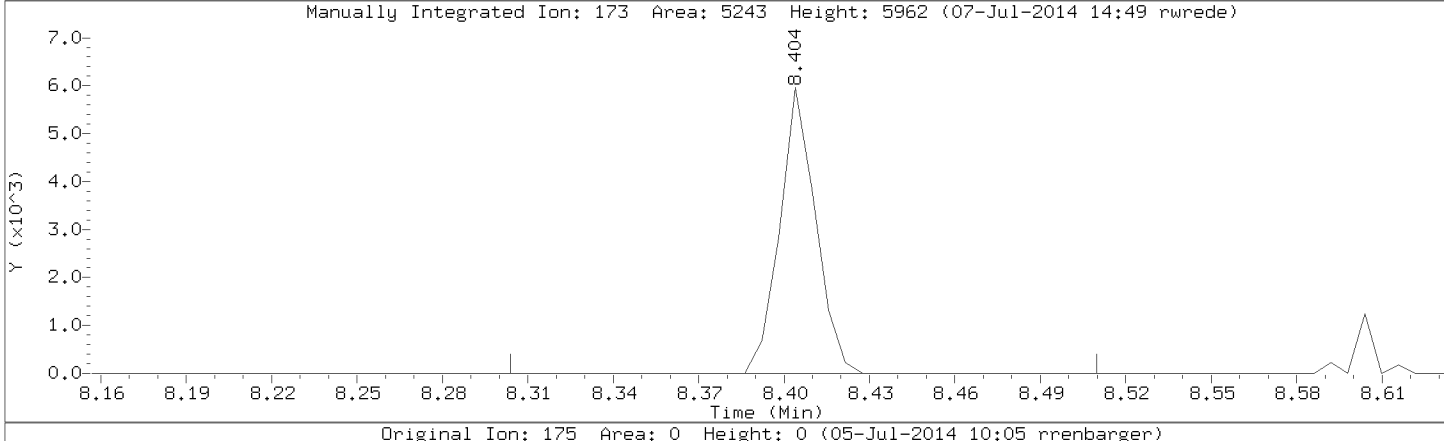
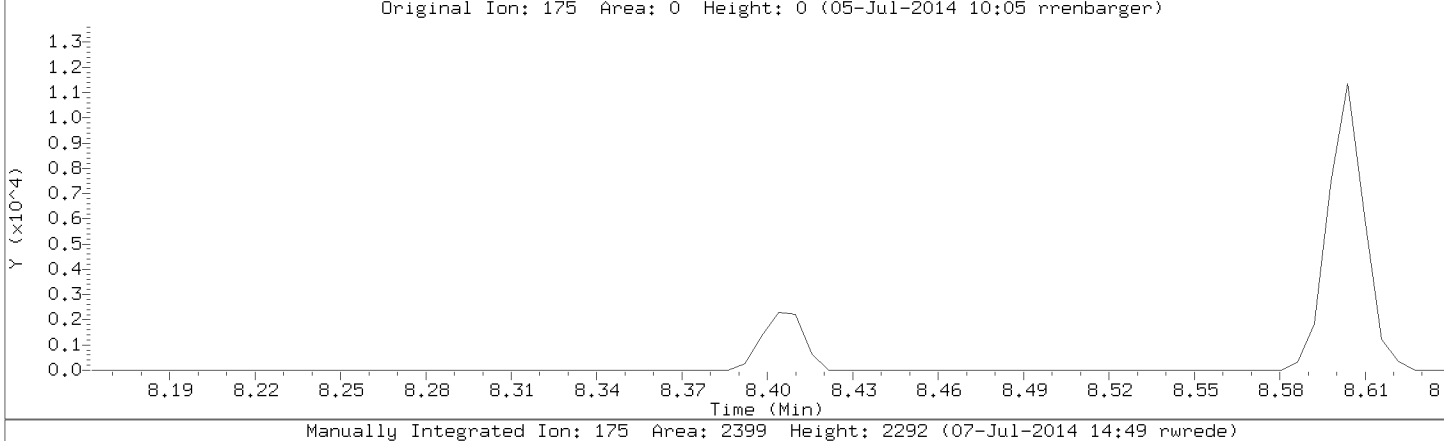
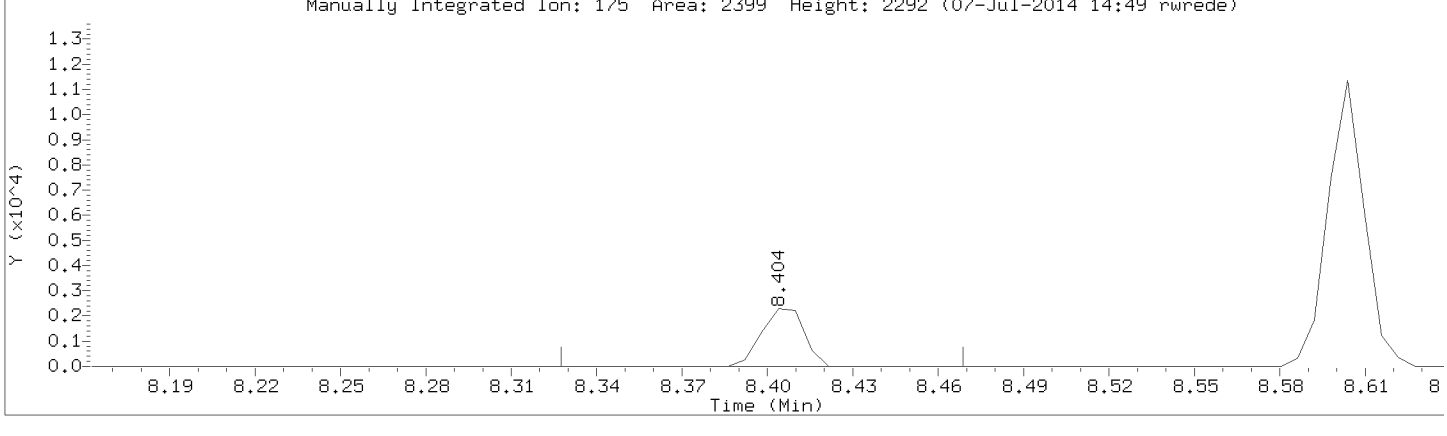
Injection Date: 04-JUL-2014 01:21
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3

Compound: Bromoform
CAS Number: 75-25-2









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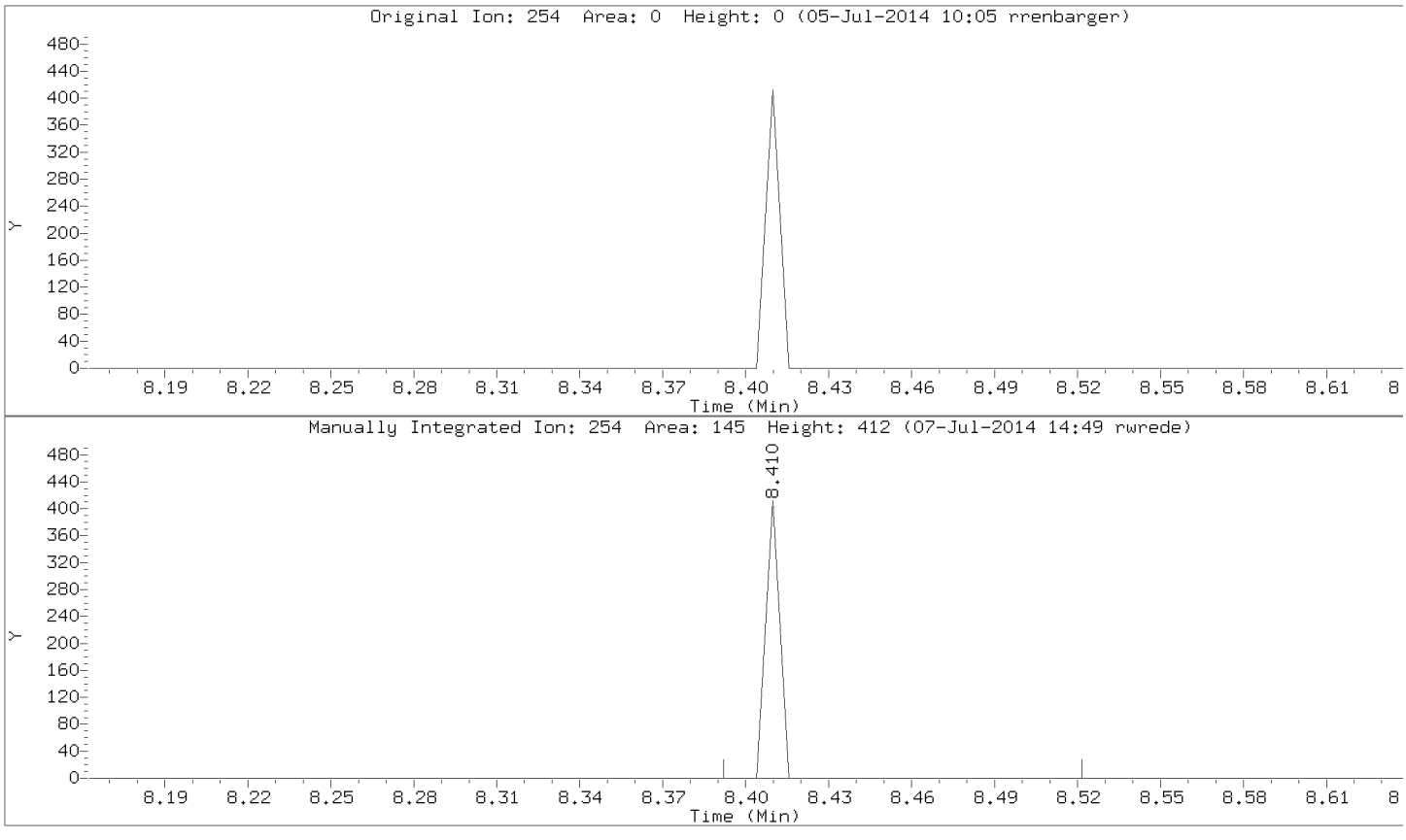
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL3



Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a05.d
Lab Smp Id: 8260-CAL4 Client Smp ID: 8260-CAL4
Inj Date : 04-JUL-2014 01:53
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal4,71912;0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 11 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)	REVIEW C
1	Dichlorodifluoromethane	85	1.016	1.016	(0.197)	40088	5.00000	5.32	
2	Chloromethane	50	1.157	1.157	(0.225)	40811	5.00000	5.01(M)	LT
3	Vinyl Chloride	62	1.180	1.181	(0.229)	34490	5.00000	5.42	
4	Bromomethane	94	1.380	1.375	(0.268)	13147	5.00000	5.05	
5	Chloroethane	64	1.439	1.433	(0.279)	17058	5.00000	4.88	
6	Trichlorofluoromethane	101	1.598	1.592	(0.310)	47014	5.00000	5.51	
7	Diethyl ether	74	1.792	1.786	(0.348)	13951	5.00000	5.19	
8	1,2-dichlorotrifluoroethane	67	1.798	1.798	(0.349)	32328	5.00000	3.61	
9	Acrolein	56	1.880	1.875	(0.365)	71913	100.000	109	
10	1,1,2trichlorotrifluoroethane	101	1.951	1.951	(0.379)	26845	5.00000	5.32	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	23361	5.00000	5.02	
12	Acetone	43	1.992	1.992	(0.387)	33310	25.0000	29.2	
13	Iodomethane	142	2.057	2.057	(0.399)	50757	10.0000	6.21	
14	Carbon Disulfide	76	2.104	2.104	(0.408)	122482	10.0000	10.1	
15	Acetonitrile	39	2.227	2.228	(0.432)	56830	5.00000	4.03	
16	allyl chloride	41	2.227	2.228	(0.432)	81167	10.0000	7.76	
17	Methyl Acetate	43	2.257	2.251	(0.438)	19662	5.00000	5.55	
18	Methylene Chloride	84	2.333	2.328	(0.453)	35207	5.00000	6.35	
19	tert-Butyl Alcohol	59	2.457	2.457	(0.477)	4496	10.0000	11.3(Q)	
20	Acrylonitrile	53	2.557	2.557	(0.496)	162473	100.000	106	
21	1,2-Dichloroethene (trans)	96	2.574	2.569	(0.500)	27485	5.00000	5.25	
22	Methyl-tert-butyl ether	73	2.586	2.580	(0.502)	141567	10.0000	10.7	
23	n-Hexane	57	2.851	2.845	(0.554)	29760	5.00000	6.25	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	3.004	2.998	(0.583)	44595	5.00000	5.01	
	25 Vinyl Acetate	43	3.086	3.086	(0.599)	179278	20.0000	19.7	
	26 chloroprene	53	3.098	3.098	(0.601)	37111	5.00000	5.24	
	27 2,2-Dichloropropane	77	3.704	3.704	(0.719)	34551	5.00000	4.73	
	28 1,2-Dichloroethene (cis)	96	3.715	3.716	(0.721)	31286	5.00000	4.91	
	29 2-Butanone	43	3.780	3.774	(0.734)	47910	25.0000	22.5	
	30 Propionitrile	54	3.857	3.863	(0.749)	3728	5.00000	7.37	
	31 Bromochloromethane	49	4.039	4.039	(0.784)	21464	5.00000	5.16	
	32 Methacrylonitrile	41	4.068	4.057	(0.790)	15754	5.00000	4.40(Q)	
	33 Tetrahydrofuran	42	4.115	4.110	(0.799)	7767	5.00000	2.98	
	34 Chloroform	83	4.180	4.174	(0.812)	48772	5.00000	4.92	
	35 1,1,1-Trichloroethane	97	4.374	4.369	(0.849)	45108	5.00000	4.92	
$	36 Dibromofluoromethane (S)	113	4.380	4.374	(0.850)	92502	50.0000	48.8	
	37 Cyclohexane	56	4.421	4.416	(0.858)	41127	5.00000	4.96	
	38 Carbon Tetrachloride	117	4.562	4.563	(0.886)	33355	5.00000	4.61	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.888)	37947	5.00000	5.15	
	40 Benzene	78	4.815	4.816	(0.935)	103995	5.00000	5.08	
	41 1,2-Dichloroethane	62	4.857	4.851	(0.943)	37602	5.00000	5.20	
	42 Isobutyl alcohol	43	4.939	4.933	(0.959)	13160	5.00000	7.77	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.958)	58067	5.00000	4.83	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	342372	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.077)	31528	5.00000	5.04	
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	31423	5.00000	4.71	
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	27042	5.00000	5.03	
	48 Dibromomethane	93	5.892	5.892	(1.144)	16829	5.00000	4.65	
	49 1,4-Dioxane	88	5.945	5.939	(1.154)	4418	100.000	102(Q)	
	50 Methyl methacrylate	69	5.956	5.957	(1.156)	15675	5.00000	4.54	
	51 Bromodichloromethane	83	6.074	6.074	(1.179)	33011	5.00000	4.87	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	31499	10.0000	10.0	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	41038	5.00000	5.01	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	108054	25.0000	24.7	
$	55 Toluene-d8	98	6.756	6.751	(0.859)	351535	50.0000	49.0	
	56 Toluene	91	6.815	6.815	(0.867)	119432	5.00000	5.15	
	57 trans-1,3-Dichloropropene	75	7.045	7.039	(0.896)	33934	5.00000	4.91	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	30717	5.00000	4.98	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	19308	5.00000	4.71	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	34452	5.00000	5.01	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	39295	5.00000	5.12	
	62 2-Hexanone	43	7.398	7.398	(0.941)	74048	25.0000	24.8	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	24702	5.00000	4.79	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	26101	5.00000	5.16	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	288044	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	81069	5.00000	5.05	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	26902	5.00000	4.85	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	45535	5.00000	5.08	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	107849	10.0000	10.6	
	70 o-Xylene	106	8.286	8.286	(1.054)	52313	5.00000	5.16	
	71 Styrene	104	8.298	8.298	(1.055)	85906	5.00000	5.13	
	72 Bromoform	173	8.403	8.404	(0.906)	13891	5.00000	6.64	
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	129611	5.00000	5.18	
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.094)	137249	50.0000	48.4	
	75 Bromobenzene	77	8.686	8.686	(1.105)	46360	5.00000	4.98	
	76 1,1,2,2-Tetrachloroethane	83	8.697	8.698	(0.938)	28350	5.00000	5.10	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	8986	5.00000	5.21(Q)	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.727	8.733	(1.110)	6321	5.00000	5.76	
79 n-Propylbenzene	91	8.756	8.762	(0.944)	138793	5.00000	5.15	
80 2-Chlorotoluene	91	8.803	8.804	(0.949)	86059	5.00000	5.14	
81 1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	105143	5.00000	5.20	
82 4-Chlorotoluene	126	8.868	8.868	(0.956)	33722	5.00000	5.24	
83 tert-Butylbenzene	119	9.050	9.051	(0.976)	101601	5.00000	4.77	
84 1,2,4-Trimethylbenzene	105	9.074	9.080	(0.978)	105226	5.00000	5.03	
85 sec-Butylbenzene	105	9.174	9.180	(0.989)	120084	5.00000	5.12	
86 1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	58704	5.00000	5.08	
87 p-Isopropyltoluene	119	9.256	9.262	(0.998)	105060	5.00000	5.00	
* 88 1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	152161	50.0000		
89 1,4-Dichlorobenzene	146	9.286	9.292	(1.001)	59264	5.00000	5.06	
90 n-Butylbenzene	91	9.492	9.498	(1.023)	83899	5.00000	5.08	
91 1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	54437	5.00000	5.04	
92 1,2-Dibromo-3-chloropropane	155	9.950	9.956	(1.073)	4341	5.00000	4.31	
93 1,2,4-Trichlorobenzene	180	10.439	10.439	(1.126)	30576	5.00000	4.91	
94 Hexachlorobutadiene	225	10.539	10.539	(1.136)	14268	5.00000	4.79	
95 Naphthalene	128	10.586	10.586	(1.141)	86264	5.00000	4.73	
96 1,2,3-Trichlorobenzene	180	10.727	10.733	(1.157)	27877	5.00000	4.94	
97 2,methyl-naphthalene	142	11.280	11.280	(1.216)	29742	5.00000	4.56	
98 1-Methylnaphthalene	142	11.397	11.398	(2.213)	28477	5.00000	4.53(H)	

QC Flag Legend

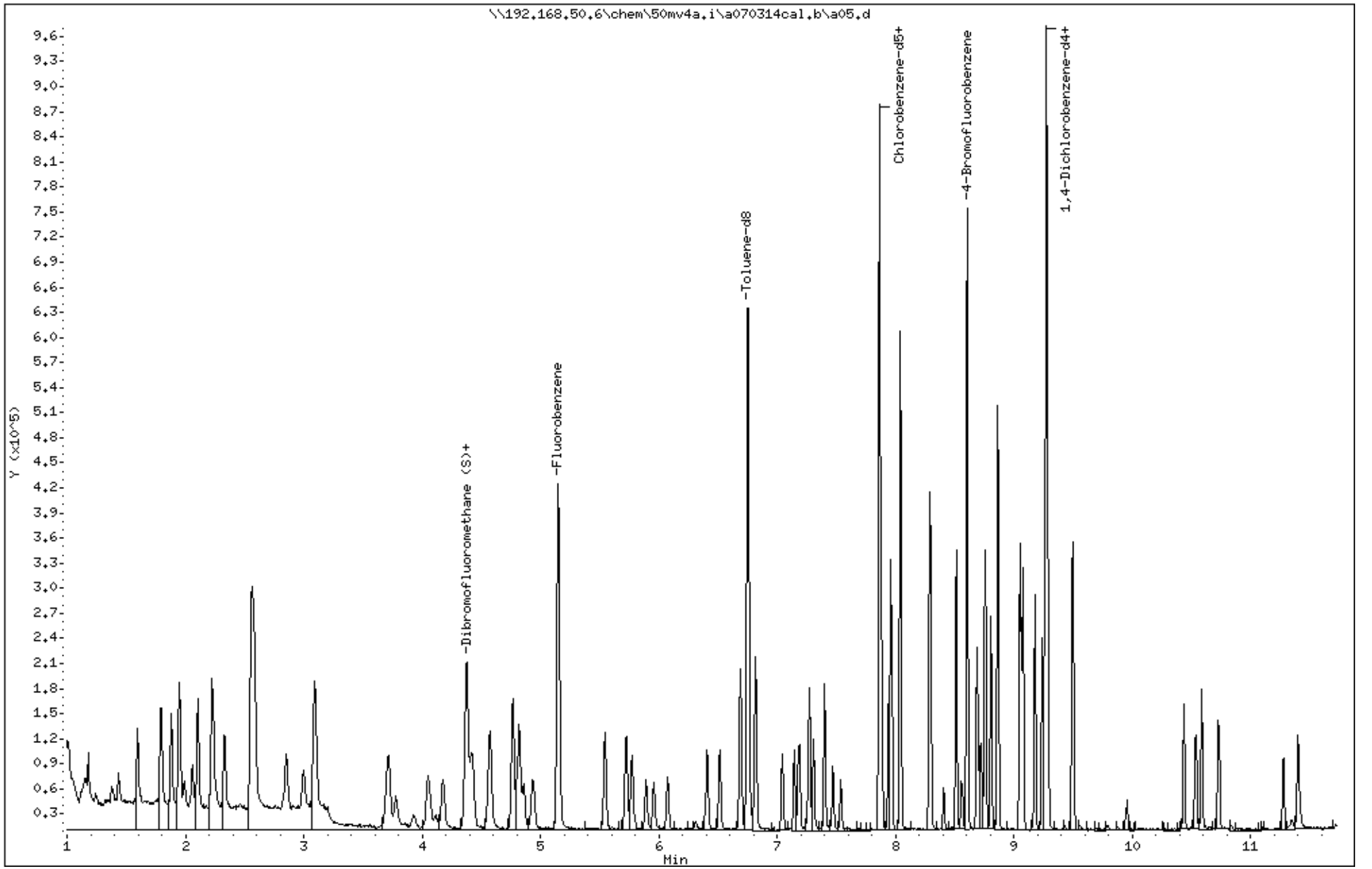
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a05.d
Date : 04-JUL-2014 01:53
Client ID: 8260-CAL4
Sample Info: 8260-CAL4,71912;0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv4a.i
Operator: rsw
Column diameter: 0.18



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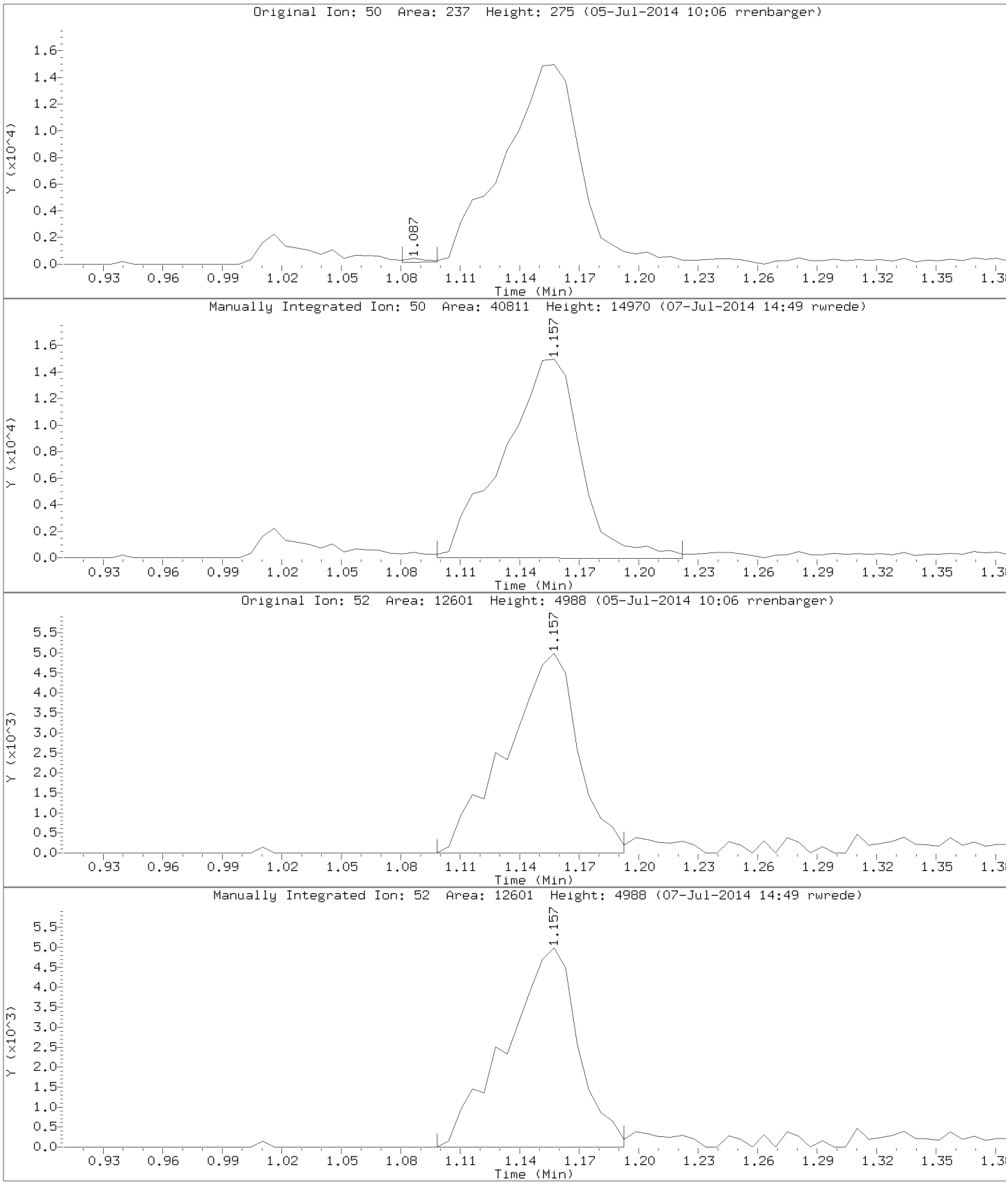
Injection Date: 04-JUL-2014 01:53
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL4

Compound: Chloromethane
CAS Number: 74-87-3



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Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a06.d
Lab Smp Id: 8260-CAL5 Client Smp ID: 8260-CAL5
Inj Date : 04-JUL-2014 02:25
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal5,71913:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 13 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)	REVIEW C
1 Dichlorodifluoromethane	85	1.010	1.016	(0.196)	77740	10.0000	9.75	
2 Chloromethane	50	1.145	1.157	(0.222)	74903	10.0000	8.70(M)	LT
3 Vinyl Chloride	62	1.180	1.181	(0.229)	65519	10.0000	9.73	
4 Bromomethane	94	1.375	1.375	(0.267)	28784	10.0000	11.2	
5 Chloroethane	64	1.433	1.433	(0.278)	36971	10.0000	10.0	
6 Trichlorofluoromethane	101	1.592	1.592	(0.309)	96452	10.0000	10.7	
7 Diethyl ether	74	1.786	1.786	(0.347)	26076	10.0000	9.18	
8 1,2-dichlorotrifluoroethane	67	1.798	1.798	(0.349)	59329	10.0000	8.53	
9 Acrolein	56	1.875	1.875	(0.364)	142866	200.000	204	
10 1,1,2trichlorotrifluoroethane	101	1.951	1.951	(0.379)	51427	10.0000	9.64	
11 1,1-Dichloroethene	96	1.945	1.945	(0.378)	45967	10.0000	9.34	
12 Acetone	43	1.992	1.992	(0.387)	68284	50.0000	57.9	
13 Iodomethane	142	2.051	2.057	(0.398)	135192	20.0000	17.7	
14 Carbon Disulfide	76	2.104	2.104	(0.409)	244774	20.0000	19.1	
15 Acetonitrile	39	2.227	2.228	(0.433)	111555	10.0000	9.79	
16 allyl chloride	41	2.222	2.228	(0.431)	157678	20.0000	18.7	
17 Methyl Acetate	43	2.251	2.251	(0.437)	44531	10.0000	11.4	
18 Methylene Chloride	84	2.327	2.328	(0.452)	58846	10.0000	10.4	
19 tert-Butyl Alcohol	59	2.451	2.457	(0.476)	9564	20.0000	22.8(Q)	
20 Acrylonitrile	53	2.551	2.557	(0.495)	334234	200.000	206	
21 1,2-Dichloroethene (trans)	96	2.569	2.569	(0.499)	54347	10.0000	9.82	
22 Methyl-tert-butyl ether	73	2.580	2.580	(0.501)	275782	20.0000	19.6	
23 n-Hexane	57	2.845	2.845	(0.552)	54855	10.0000	10.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.998	2.998	(0.582)	86935	10.0000	9.24	
	25 Vinyl Acetate	43	3.080	3.086	(0.598)	378815	40.0000	39.4	
	26 chloroprene	53	3.098	3.098	(0.601)	71977	10.0000	9.61	
	27 2,2-Dichloropropane	77	3.698	3.704	(0.718)	67162	10.0000	8.70	
	28 1,2-Dichloroethene (cis)	96	3.710	3.716	(0.720)	60633	10.0000	9.00	
	29 2-Butanone	43	3.774	3.774	(0.733)	106999	50.0000	47.5	
	30 Propionitrile	54	3.857	3.863	(0.749)	8122	10.0000	13.0	
	31 Bromochloromethane	49	4.039	4.039	(0.784)	42423	10.0000	9.64	
	32 Methacrylonitrile	41	4.063	4.057	(0.789)	31074	10.0000	8.20	
	33 Tetrahydrofuran	42	4.110	4.110	(0.798)	15427	10.0000	5.59	
	34 Chloroform	83	4.174	4.174	(0.810)	96959	10.0000	9.24	
	35 1,1,1-Trichloroethane	97	4.369	4.369	(0.848)	86208	10.0000	8.90	
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.849)	103595	50.0000	51.7	
	37 Cyclohexane	56	4.416	4.416	(0.857)	78505	10.0000	8.96	
	38 Carbon Tetrachloride	117	4.563	4.563	(0.886)	67634	10.0000	8.84	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.888)	74703	10.0000	9.59	
	40 Benzene	78	4.816	4.816	(0.935)	198390	10.0000	9.16	
	41 1,2-Dichloroethane	62	4.851	4.851	(0.942)	72826	10.0000	9.52	
	42 Isobutyl alcohol	43	4.939	4.933	(0.959)	24275	10.0000	11.4	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.958)	116443	10.0000	9.16	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	362085	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.077)	61296	10.0000	9.27	
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	60100	10.0000	8.52	
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	54788	10.0000	9.64	
	48 Dibromomethane	93	5.886	5.892	(1.143)	34311	10.0000	8.97	
	49 1,4-Dioxane	88	5.945	5.939	(1.154)	9978	200.000	218	
	50 Methyl methacrylate	69	5.957	5.957	(1.156)	31648	10.0000	8.67	
	51 Bromodichloromethane	83	6.068	6.074	(1.178)	67056	10.0000	9.35	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	62272	20.0000	18.5	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	81058	10.0000	9.26	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	217125	50.0000	46.4	
$	55 Toluene-d8	98	6.751	6.751	(0.859)	387143	50.0000	50.4	
	56 Toluene	91	6.815	6.815	(0.867)	228050	10.0000	9.20	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	67023	10.0000	9.08	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	59415	10.0000	9.01	
	59 1,1,2-Trichloroethane	83	7.180	7.180	(0.913)	39228	10.0000	8.95	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	65813	10.0000	8.96	
	61 1,3-Dichloropropane	76	7.304	7.310	(0.929)	76668	10.0000	9.34	
	62 2-Hexanone	43	7.398	7.398	(0.941)	151791	50.0000	47.6	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	48538	10.0000	8.81	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	49740	10.0000	9.21	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	307851	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	163878	10.0000	9.56	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	53670	10.0000	9.06	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	87716	10.0000	9.16	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	209964	20.0000	19.2	
	70 o-Xylene	106	8.286	8.286	(1.054)	101840	10.0000	9.39	
	71 Styrene	104	8.298	8.298	(1.055)	174164	10.0000	9.72	
	72 Bromoform	173	8.404	8.404	(0.906)	28272	10.0000	9.49	
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	248187	10.0000	9.28	
$	74 4-Bromofluorobenzene	95	8.604	8.604	(1.094)	152639	50.0000	50.4	
	75 Bromobenzene	77	8.686	8.686	(1.105)	90467	10.0000	9.09	
	76 1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.938)	56914	10.0000	9.35	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	18253	10.0000	9.65	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	12655	10.0000	9.67	
79 n-Propylbenzene	91	8.756	8.762	(0.944)	281456	10.0000	9.52	
80 2-Chlorotoluene	91	8.804	8.804	(0.949)	172920	10.0000	9.42	
81 1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	204251	10.0000	9.22	
82 4-Chlorotoluene	126	8.868	8.868	(0.956)	65928	10.0000	9.35	
83 tert-Butylbenzene	119	9.051	9.051	(0.976)	210755	10.0000	9.03	
84 1,2,4-Trimethylbenzene	105	9.080	9.080	(0.979)	208535	10.0000	9.10	
85 sec-Butylbenzene	105	9.174	9.180	(0.989)	237023	10.0000	9.21	
86 1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	116668	10.0000	9.22	
87 p-Isopropyltoluene	119	9.262	9.262	(0.999)	213160	10.0000	9.25	
* 88 1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	166822	50.0000		
89 1,4-Dichlorobenzene	146	9.292	9.292	(1.002)	118523	10.0000	9.23	
90 n-Butylbenzene	91	9.492	9.498	(1.023)	168666	10.0000	9.31	
91 1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	108344	10.0000	9.15	
92 1,2-Dibromo-3-chloropropane	155	9.956	9.956	(1.074)	9711	10.0000	8.79	
93 1,2,4-Trichlorobenzene	180	10.439	10.439	(1.126)	62902	10.0000	9.21	
94 Hexachlorobutadiene	225	10.539	10.539	(1.136)	28231	10.0000	8.65	
95 Naphthalene	128	10.586	10.586	(1.141)	170502	10.0000	8.52	
96 1,2,3-Trichlorobenzene	180	10.733	10.733	(1.157)	55658	10.0000	8.99	
97 2,methyl-naphthalene	142	11.280	11.280	(1.216)	62310	10.0000	8.72	
98 1-Methylnaphthalene	142	11.397	11.398	(2.213)	57626	10.0000	8.67(H)	

QC Flag Legend

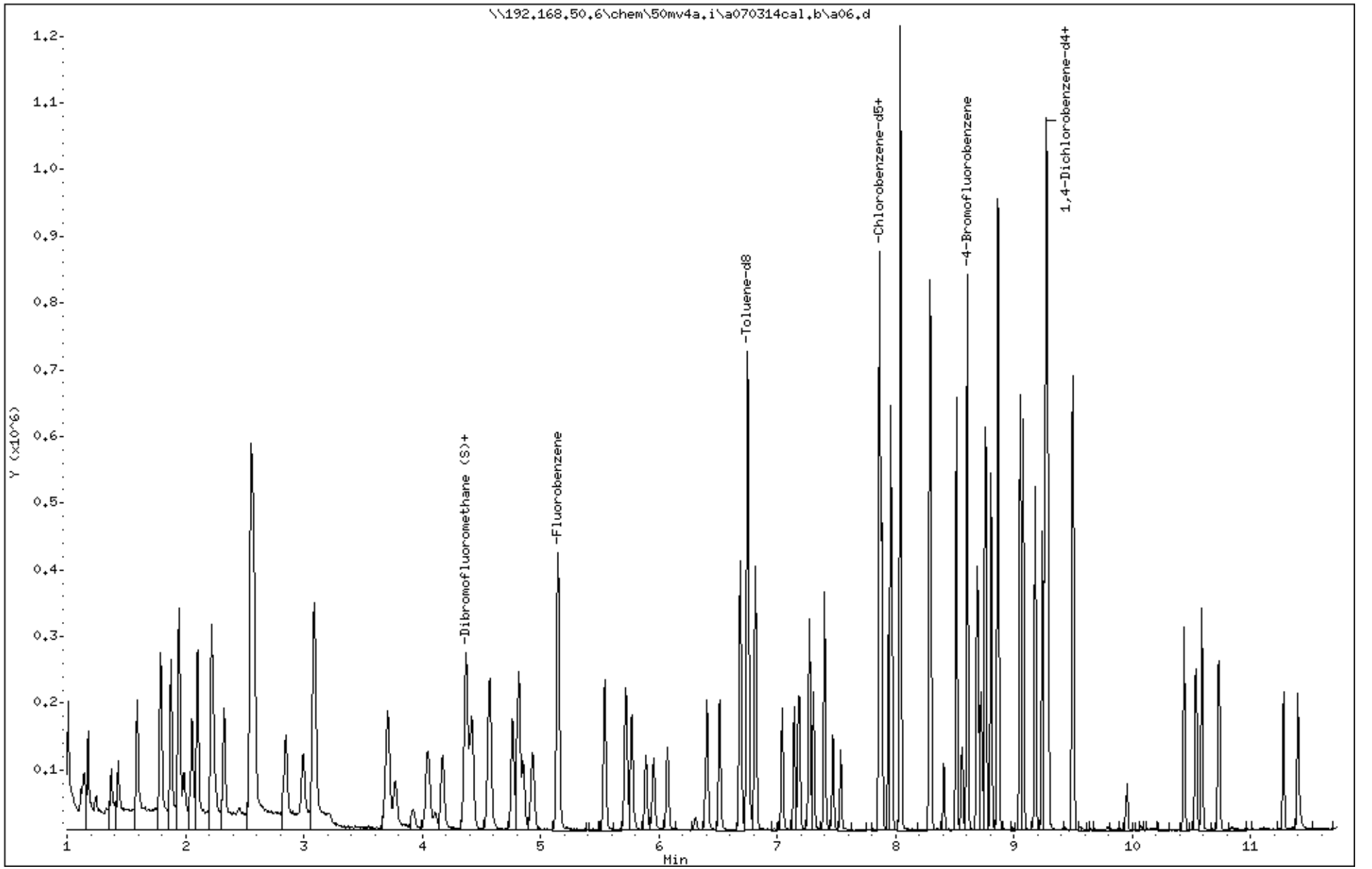
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Review Codes Legend

:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a06.d
Date : 04-JUL-2014 02:25
Client ID: 8260-CAL5
Sample Info: 8260-CAL5,71913:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv4a.i
Operator: rsw
Column diameter: 0.18



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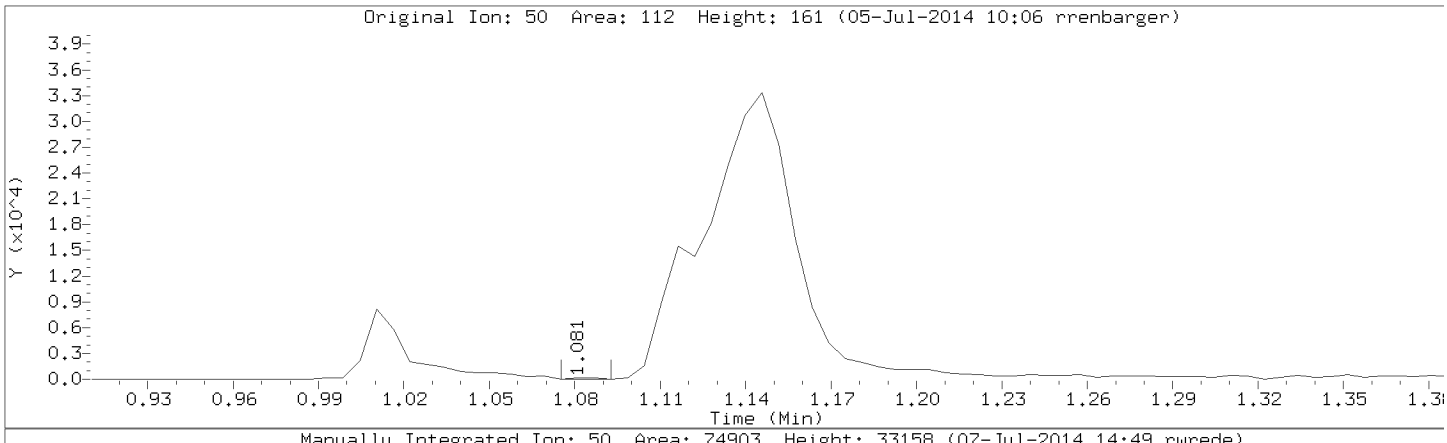
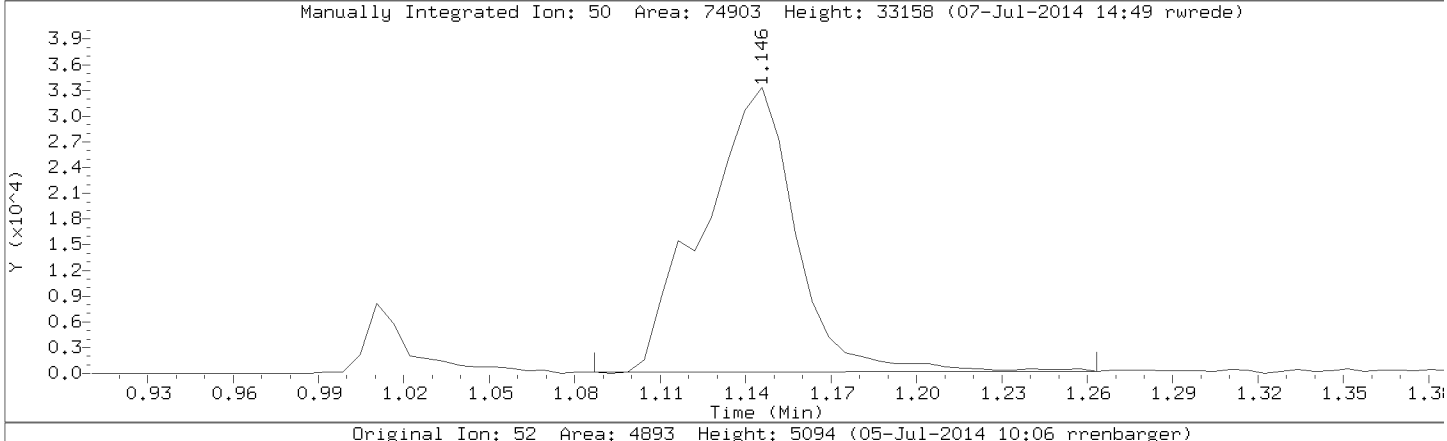
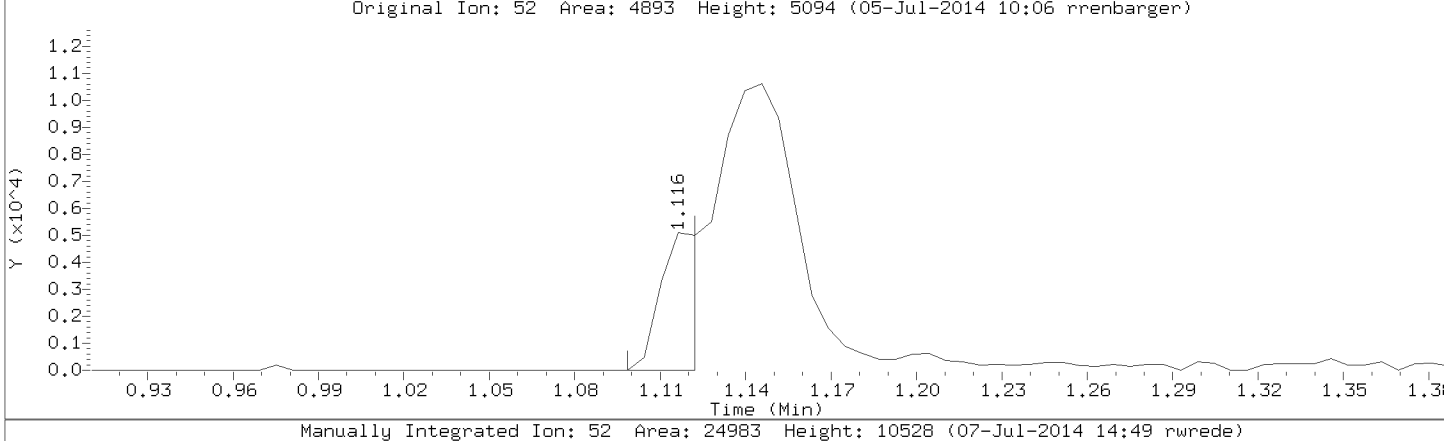
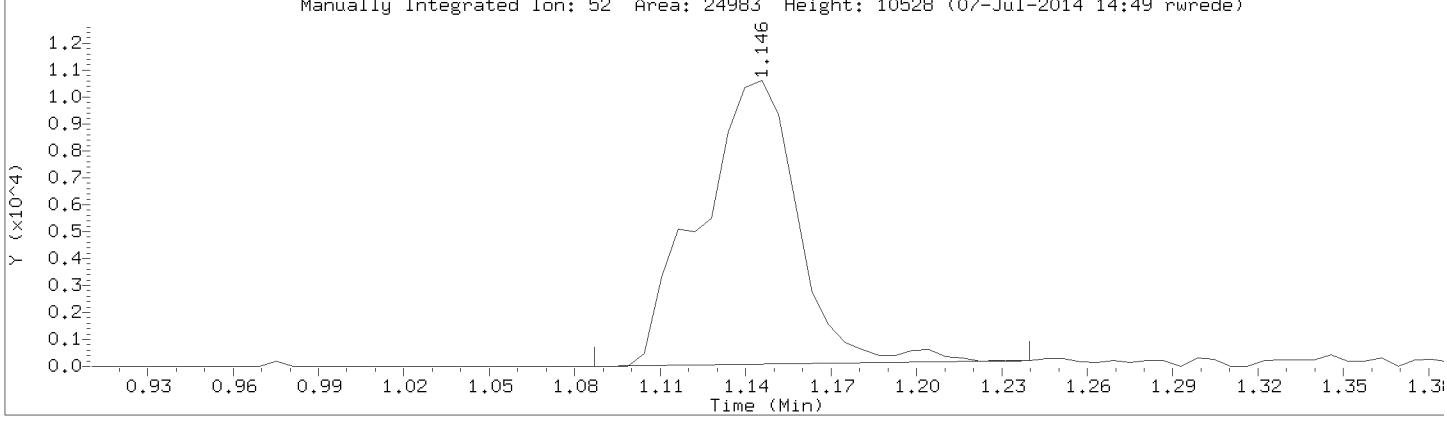
Injection Date: 04-JUL-2014 02:25
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL5

Compound: Chloromethane
CAS Number: 74-87-3









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Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a07.d
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Inj Date : 04-JUL-2014 02:58
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal6,71914:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 15 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)	REVIEW C
1	Dichlorodifluoromethane	85	1.016	1.016	(0.197)	388175	50.0000	47.4	
2	Chloromethane	50	1.157	1.157	(0.225)	383190	50.0000	43.3	
3	Vinyl Chloride	62	1.180	1.181	(0.229)	323231	50.0000	46.8	
4	Bromomethane	94	1.374	1.375	(0.267)	126212	50.0000	49.8	
5	Chloroethane	64	1.433	1.433	(0.278)	165653	50.0000	43.7	
6	Trichlorofluoromethane	101	1.598	1.592	(0.310)	448525	50.0000	48.4	
7	Diethyl ether	74	1.786	1.786	(0.347)	132553	50.0000	45.4	
8	1,2-dichlorotrifluoroethane	67	1.798	1.798	(0.349)	299648	50.0000	54.0	
9	Acrolein	56	1.880	1.875	(0.365)	689002	1000.00	960	
10	1,1,2trichlorotrifluoroethane	101	1.951	1.951	(0.379)	259852	50.0000	47.4	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	232351	50.0000	46.0	
12	Acetone	43	1.992	1.992	(0.387)	277484	250.000	233	
13	Iodomethane	142	2.057	2.057	(0.399)	720365	100.000	97.6	
14	Carbon Disulfide	76	2.104	2.104	(0.408)	1220982	100.000	92.6	
15	Acetonitrile	39	2.227	2.228	(0.432)	507880	50.0000	52.7	
16	allyl chloride	41	2.227	2.228	(0.432)	742671	100.000	105	
17	Methyl Acetate	43	2.251	2.251	(0.437)	191579	50.0000	46.7	
18	Methylene Chloride	84	2.327	2.328	(0.452)	261300	50.0000	47.5	
19	tert-Butyl Alcohol	59	2.457	2.457	(0.477)	41025	100.000	95.2	
20	Acrylonitrile	53	2.557	2.557	(0.496)	1574955	1000.00	946	
21	1,2-Dichloroethene (trans)	96	2.574	2.569	(0.500)	260327	50.0000	45.8	
22	Methyl-tert-butyl ether	73	2.586	2.580	(0.502)	1365452	100.000	94.7	
23	n-Hexane	57	2.845	2.845	(0.552)	289473	50.0000	46.8	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.998	2.998	(0.582)	427615	50.0000	44.3	
	25 Vinyl Acetate	43	3.086	3.086	(0.599)	1969153	200.000	200	
	26 chloroprene	53	3.098	3.098	(0.601)	345092	50.0000	44.9	
	27 2,2-Dichloropropane	77	3.704	3.704	(0.719)	352234	50.0000	44.4	
	28 1,2-Dichloroethene (cis)	96	3.721	3.716	(0.723)	295634	50.0000	42.7	
	29 2-Butanone	43	3.780	3.774	(0.734)	528893	250.000	229	
	30 Propionitrile	54	3.857	3.863	(0.749)	25085	50.0000	34.9	
	31 Bromochloromethane	49	4.045	4.039	(0.785)	200132	50.0000	44.3	
	32 Methacrylonitrile	41	4.062	4.057	(0.789)	195216	50.0000	50.2	
	33 Tetrahydrofuran	42	4.115	4.110	(0.799)	66821	50.0000	23.6	
	34 Chloroform	83	4.180	4.174	(0.812)	470286	50.0000	43.7	
	35 1,1,1-Trichloroethane	97	4.368	4.369	(0.848)	446527	50.0000	44.9	
$	36 Dibromofluoromethane (S)	113	4.380	4.374	(0.850)	101910	50.0000	49.5	
	37 Cyclohexane	56	4.421	4.416	(0.858)	399077	50.0000	44.3	
	38 Carbon Tetrachloride	117	4.562	4.563	(0.886)	371130	50.0000	47.2	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.888)	370456	50.0000	46.3	
	40 Benzene	78	4.815	4.816	(0.935)	1007932	50.0000	45.3	
	41 1,2-Dichloroethane	62	4.857	4.851	(0.943)	366622	50.0000	46.7	
	42 Isobutyl alcohol	43	4.939	4.933	(0.959)	122249	50.0000	44.3	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.958)	613855	50.0000	47.0	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	371793	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.077)	304815	50.0000	44.9	
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	313313	50.0000	43.3	
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	261958	50.0000	44.9	
	48 Dibromomethane	93	5.892	5.892	(1.144)	168890	50.0000	43.0	
	49 1,4-Dioxane	88	5.939	5.939	(1.153)	41992	1000.00	892	
	50 Methyl methacrylate	69	5.956	5.957	(1.156)	166246	50.0000	44.4	
	51 Bromodichloromethane	83	6.074	6.074	(1.179)	350240	50.0000	47.5	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	329331	100.000	97.4	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	436450	50.0000	49.6	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	1113610	250.000	237	
$	55 Toluene-d8	98	6.756	6.751	(0.859)	387101	50.0000	50.1	
	56 Toluene	91	6.815	6.815	(0.867)	1162135	50.0000	46.6	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	370685	50.0000	49.9	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	309994	50.0000	46.7	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	194922	50.0000	44.2	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	340243	50.0000	46.0	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	393860	50.0000	47.7	
	62 2-Hexanone	43	7.398	7.398	(0.941)	770685	250.000	240	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	281051	50.0000	50.7	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	259060	50.0000	47.6	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	309817	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	822095	50.0000	47.6	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	300665	50.0000	50.4	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	444031	50.0000	46.1	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	1045482	100.000	95.2	
	70 o-Xylene	106	8.286	8.286	(1.054)	511203	50.0000	46.8	
	71 Styrene	104	8.298	8.298	(1.055)	867106	50.0000	48.1	
	72 Bromoform	173	8.409	8.404	(0.907)	176314	50.0000	42.9	
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	1266862	50.0000	47.1	
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.094)	152558	50.0000	50.0	
	75 Bromobenzene	77	8.686	8.686	(1.105)	459520	50.0000	45.9	
	76 1,1,2,2-Tetrachloroethane	83	8.697	8.698	(0.938)	290556	50.0000	49.1	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	90339	50.0000	49.1	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78 trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	70696	50.0000	47.8	
79 n-Propylbenzene	91	8.756	8.762	(0.944)	1434500	50.0000	49.9	
80 2-Chlorotoluene	91	8.803	8.804	(0.949)	851841	50.0000	47.7	
81 1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	1041450	50.0000	48.3	
82 4-Chlorotoluene	126	8.868	8.868	(0.956)	331059	50.0000	48.2	
83 tert-Butylbenzene	119	9.050	9.051	(0.976)	1096429	50.0000	48.3	
84 1,2,4-Trimethylbenzene	105	9.080	9.080	(0.979)	1059009	50.0000	47.5	
85 sec-Butylbenzene	105	9.174	9.180	(0.989)	1208344	50.0000	48.3	
86 1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	604176	50.0000	49.1	
87 p-Isopropyltoluene	119	9.262	9.262	(0.999)	1102147	50.0000	49.2	
* 88 1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	162285	50.0000		
89 1,4-Dichlorobenzene	146	9.292	9.292	(1.002)	592544	50.0000	47.4	
90 n-Butylbenzene	91	9.492	9.498	(1.023)	861938	50.0000	48.9	
91 1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	547468	50.0000	47.5	
92 1,2-Dibromo-3-chloropropane	155	9.956	9.956	(1.074)	50889	50.0000	47.3	
93 1,2,4-Trichlorobenzene	180	10.439	10.439	(1.126)	333792	50.0000	50.2	
94 Hexachlorobutadiene	225	10.539	10.539	(1.136)	152921	50.0000	48.2	
95 Naphthalene	128	10.586	10.586	(1.141)	915900	50.0000	47.0	
96 1,2,3-Trichlorobenzene	180	10.733	10.733	(1.157)	291012	50.0000	48.3	
97 2,methyl-naphthalene	142	11.280	11.280	(1.216)	372903	50.0000	53.6	
98 1-Methylnaphthalene	142	11.397	11.398	(2.213)	326043	50.0000	47.8(H)	

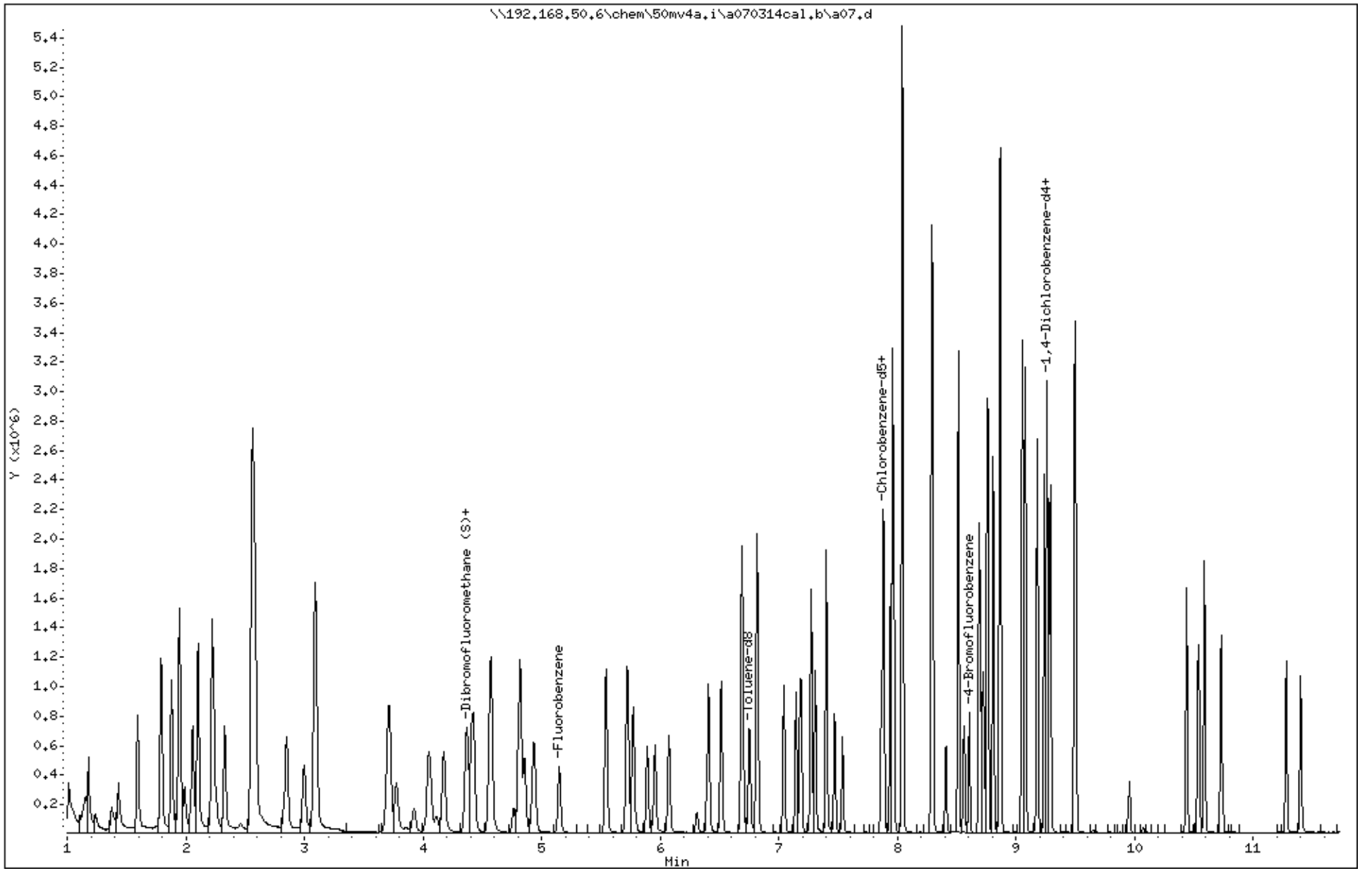
QC Flag Legend

H - Operator selected an alternate compound hit.

Review Codes Legend

:

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a07.d
Date : 04-JUL-2014 02:58
Client ID: 8260-CAL6
Instrument: 50mv4a.i
Sample Info: 8260-CAL6,71914:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b/a07.d
Injection Date: 04-JUL-2014 02:58
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL6
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a08.d
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Inj Date : 04-JUL-2014 03:30
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal7,71915:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 17 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)	REVIEW C
1 Dichlorodifluoromethane	85	1.010	1.016	(0.196)	1148104	150.000	148	
2 Chloromethane	50	1.145	1.157	(0.222)	1119564	150.000	133(M)	LT
3 Vinyl Chloride	62	1.180	1.181	(0.229)	974174	150.000	148	
4 Bromomethane	94	1.363	1.375	(0.265)	182728	150.000	76.3(M)	LT
5 Chloroethane	64	1.421	1.433	(0.276)	343219	150.000	95.4	
6 Trichlorofluoromethane	101	1.586	1.592	(0.308)	1220597	150.000	139	
7 Diethyl ether	74	1.786	1.786	(0.347)	369975	150.000	134	
8 1,2-dichlorotrifluoroethane	67	1.792	1.798	(0.348)	836603	150.000	165	
9 Acrolein	56	1.880	1.875	(0.365)	1988345	3000.00	2920	
10 1,1,2trichlorotrifluoroethane	101	1.945	1.951	(0.378)	719298	150.000	138	
11 1,1-Dichloroethene	96	1.939	1.945	(0.377)	655324	150.000	137	
12 Acetone	43	1.992	1.992	(0.387)	836313	750.000	744	
13 Iodomethane	142	2.051	2.057	(0.398)	2287176	300.000	330	
14 Carbon Disulfide	76	2.098	2.104	(0.407)	3509243	300.000	280	
15 Acetonitrile	39	2.221	2.228	(0.431)	1430779	150.000	162	
16 allyl chloride	41	2.221	2.228	(0.431)	2107705	300.000	325	
17 Methyl Acetate	43	2.251	2.251	(0.437)	574899	150.000	147	
18 Methylene Chloride	84	2.327	2.328	(0.452)	754379	150.000	146	
19 tert-Butyl Alcohol	59	2.474	2.457	(0.480)	120584	300.000	295	
20 Acrylonitrile	53	2.563	2.557	(0.498)	4285458	3000.00	2710	
21 1,2-Dichloroethene (trans)	96	2.568	2.569	(0.499)	703990	150.000	130	
22 Methyl-tert-butyl ether	73	2.586	2.580	(0.502)	3767079	300.000	275	
23 n-Hexane	57	2.845	2.845	(0.552)	865561	150.000	145	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.998	2.998	(0.582)	1273281	150.000	139	
	25 Vinyl Acetate	43	3.086	3.086	(0.599)	5860637	600.000	626	
	26 chloroprene	53	3.098	3.098	(0.601)	976218	150.000	134	
	27 2,2-Dichloropropane	77	3.698	3.704	(0.718)	1071041	150.000	142	
	28 1,2-Dichloroethene (cis)	96	3.715	3.716	(0.721)	907302	150.000	138	
	29 2-Butanone	43	3.780	3.774	(0.734)	1547310	750.000	705	
	30 Propionitrile	54	3.862	3.863	(0.750)	107896	150.000	151	
	31 Bromochloromethane	49	4.039	4.039	(0.784)	579942	150.000	135	
	32 Methacrylonitrile	41	4.062	4.057	(0.789)	581236	150.000	157	
	33 Tetrahydrofuran	42	4.115	4.110	(0.799)	202773	150.000	75.4	
	34 Chloroform	83	4.174	4.174	(0.810)	1431334	150.000	140	
	35 1,1,1-Trichloroethane	97	4.368	4.369	(0.848)	1332655	150.000	141	
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.849)	98687	50.0000	50.5	
	37 Cyclohexane	56	4.415	4.416	(0.857)	1164054	150.000	136	
	38 Carbon Tetrachloride	117	4.562	4.563	(0.886)	1167063	150.000	156	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.888)	1100141	150.000	145	
	40 Benzene	78	4.815	4.816	(0.935)	3000691	150.000	142	
	41 1,2-Dichloroethane	62	4.856	4.851	(0.943)	1104326	150.000	148	
	42 Isobutyl alcohol	43	4.933	4.933	(0.958)	362503	150.000	132	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.958)	1868068	150.000	151	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	352841	50.0000		
	45 Trichloroethene	95	5.545	5.545	(1.077)	900253	150.000	140	
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	926713	150.000	135	
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	780881	150.000	141	
	48 Dibromomethane	93	5.892	5.892	(1.144)	521606	150.000	140	
	49 1,4-Dioxane	88	5.951	5.939	(1.155)	145729	3000.00	3260	
	50 Methyl methacrylate	69	5.956	5.957	(1.156)	502624	150.000	141	
	51 Bromodichloromethane	83	6.074	6.074	(1.179)	1090510	150.000	156	
	52 2-Chloroethyl vinyl ether	63	6.403	6.404	(0.814)	980544	300.000	299	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	1317415	150.000	154	
	54 4-Methyl-2-Pentanone	43	6.692	6.686	(0.851)	3218833	750.000	706	
$	55 Toluene-d8	98	6.756	6.751	(0.859)	370298	50.0000	49.5	
	56 Toluene	91	6.815	6.815	(0.867)	3418651	150.000	141	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	1151841	150.000	160	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	912211	150.000	142	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	587874	150.000	138	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	1011083	150.000	141	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	1165641	150.000	146	
	62 2-Hexanone	43	7.398	7.398	(0.941)	2183011	750.000	702	
	63 Dibromochloromethane	129	7.474	7.468	(0.951)	909323	150.000	169	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	789475	150.000	150	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	300193	50.0000		
	66 Chlorobenzene	112	7.886	7.880	(1.003)	2454933	150.000	147	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	933528	150.000	162	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	1303454	150.000	140	
	69 m&p-Xylene	106	8.045	8.039	(1.023)	3004774	300.000	282	
	70 o-Xylene	106	8.286	8.286	(1.054)	1495778	150.000	141	
	71 Styrene	104	8.297	8.298	(1.055)	2538431	150.000	145	
	72 Bromoform	173	8.409	8.404	(0.907)	604270	150.000	142	
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	3747707	150.000	144	
$	74 4-Bromofluorobenzene	95	8.603	8.604	(1.094)	141244	50.0000	47.8	
	75 Bromobenzene	77	8.686	8.686	(1.105)	1379443	150.000	142	
	76 1,1,2,2-Tetrachloroethane	83	8.697	8.698	(0.938)	871960	150.000	151	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	269385	150.000	150	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	209523	150.000	144	
79	n-Propylbenzene	91	8.756	8.762	(0.944)	4076219	150.000	145	
80	2-Chlorotoluene	91	8.803	8.804	(0.949)	2536416	150.000	145	
81	1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	3019624	150.000	143	
82	4-Chlorotoluene	126	8.868	8.868	(0.956)	1000837	150.000	149	
83	tert-Butylbenzene	119	9.050	9.051	(0.976)	3279970	150.000	148	
84	1,2,4-Trimethylbenzene	105	9.080	9.080	(0.979)	3059318	150.000	140	
85	sec-Butylbenzene	105	9.174	9.180	(0.989)	3701403	150.000	151	
86	1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	1838273	150.000	153	
87	p-Isopropyltoluene	119	9.262	9.262	(0.999)	3273346	150.000	149	
* 88	1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	158584	50.0000	(Q)	
89	1,4-Dichlorobenzene	146	9.292	9.292	(1.002)	1838984	150.000	151	
90	n-Butylbenzene	91	9.491	9.498	(1.023)	2615629	150.000	152	
91	1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	1685915	150.000	150	
92	1,2-Dibromo-3-chloropropane	155	9.950	9.956	(1.073)	162780	150.000	155	
93	1,2,4-Trichlorobenzene	180	10.433	10.439	(1.125)	1046961	150.000	161	
94	Hexachlorobutadiene	225	10.533	10.539	(1.136)	476756	150.000	154	
95	Naphthalene	128	10.580	10.586	(1.141)	2716872	150.000	143	
96	1,2,3-Trichlorobenzene	180	10.727	10.733	(1.157)	920224	150.000	156	
97	2,methyl-naphthalene	142	11.274	11.280	(1.216)	1200810	150.000	177	
98	1-Methylnaphthalene	142	11.391	11.398	(2.212)	1060502	150.000	164	

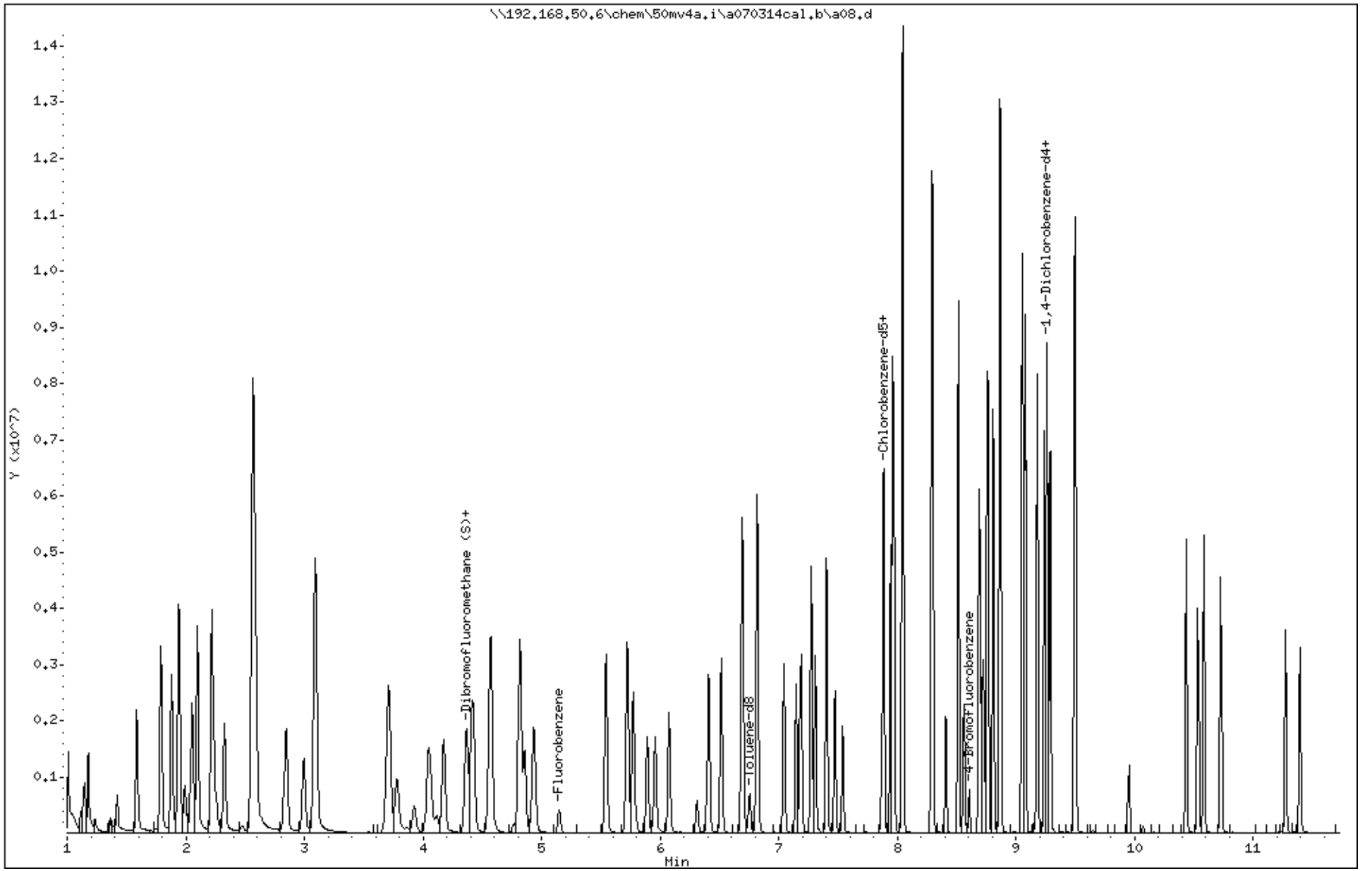
QC Flag Legend

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

Review Codes Legend

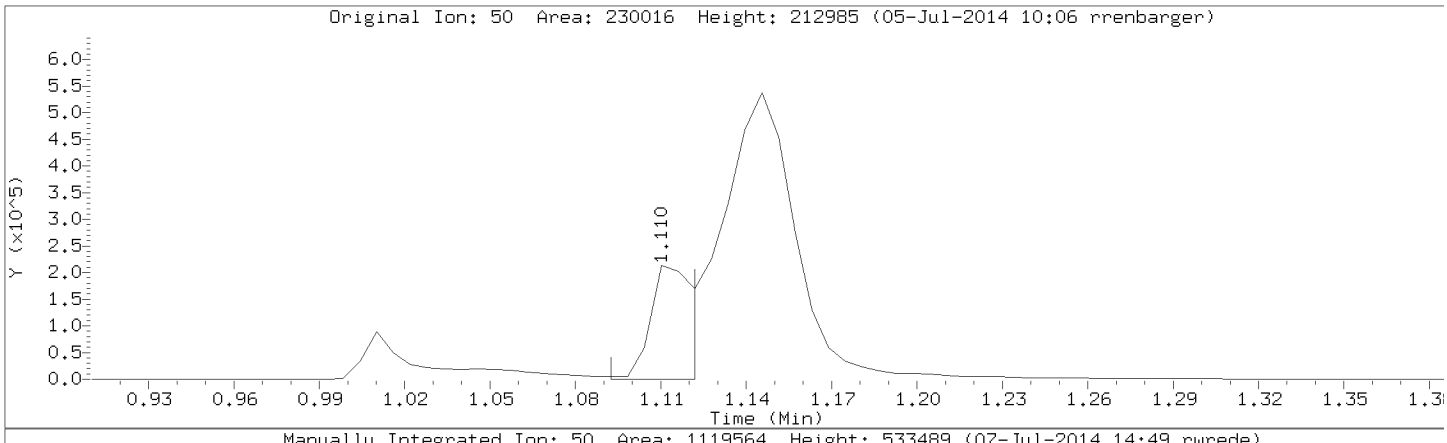
:
LT: Indicates that the peak in question was inappropriately integrated to an area less than what it should be (e.g., Peak area was cut).

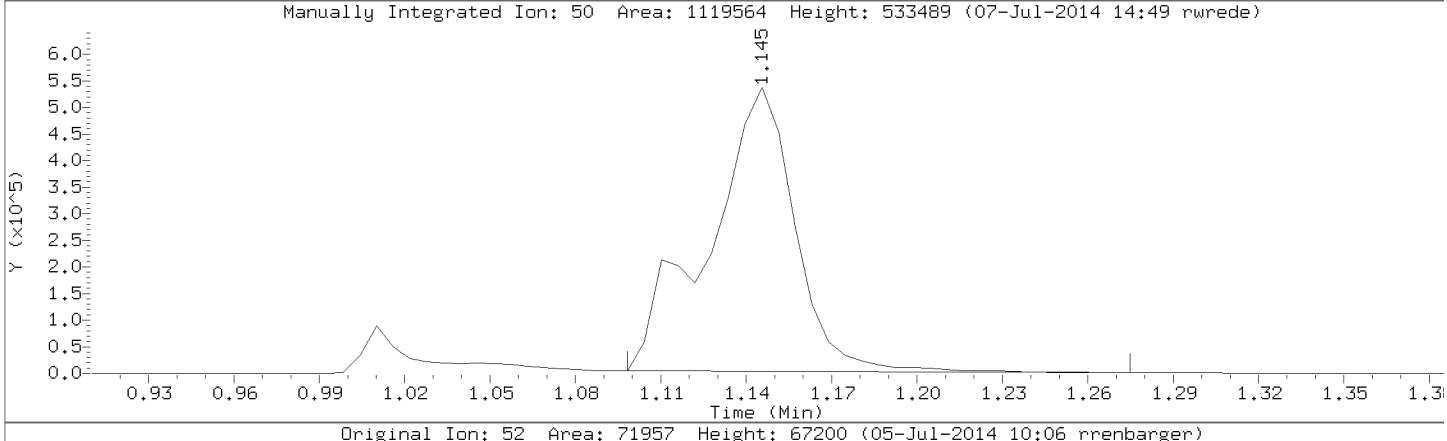
Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a08.d
Date : 04-JUL-2014 03:30
Client ID: 8260-CAL7
Instrument: 50mv4a.i
Sample Info: 8260-CAL7,71915:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18

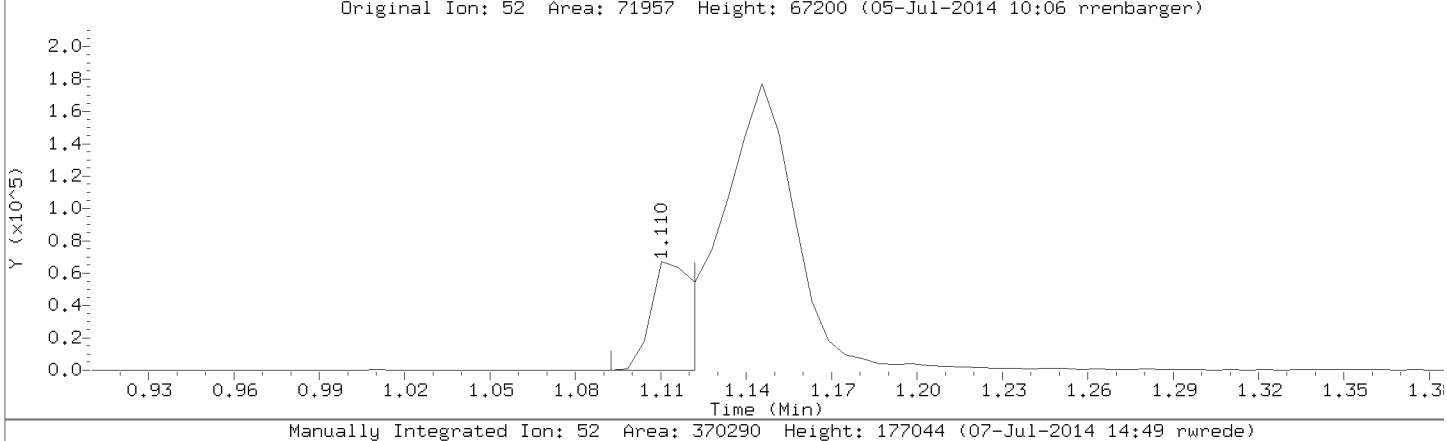


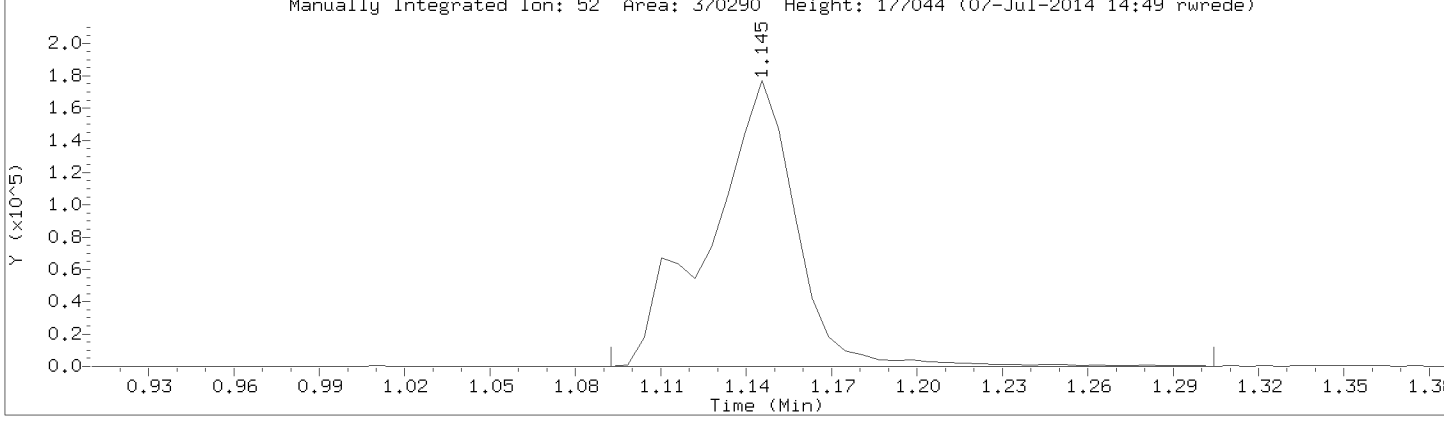
Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b/a08.d
Injection Date: 04-JUL-2014 03:30
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL7

Compound: Chloromethane
CAS Number: 74-87-3



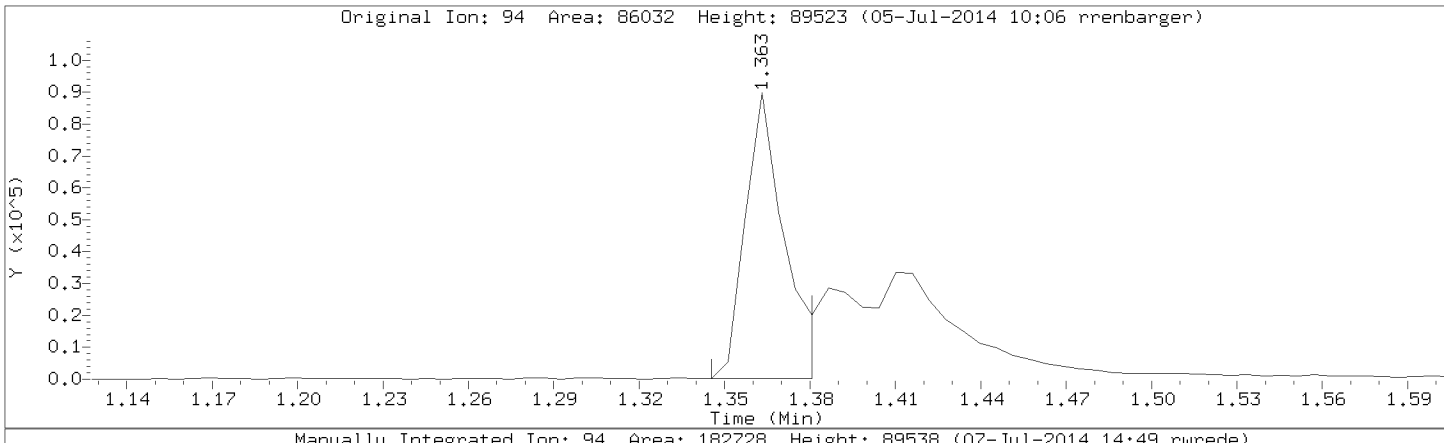


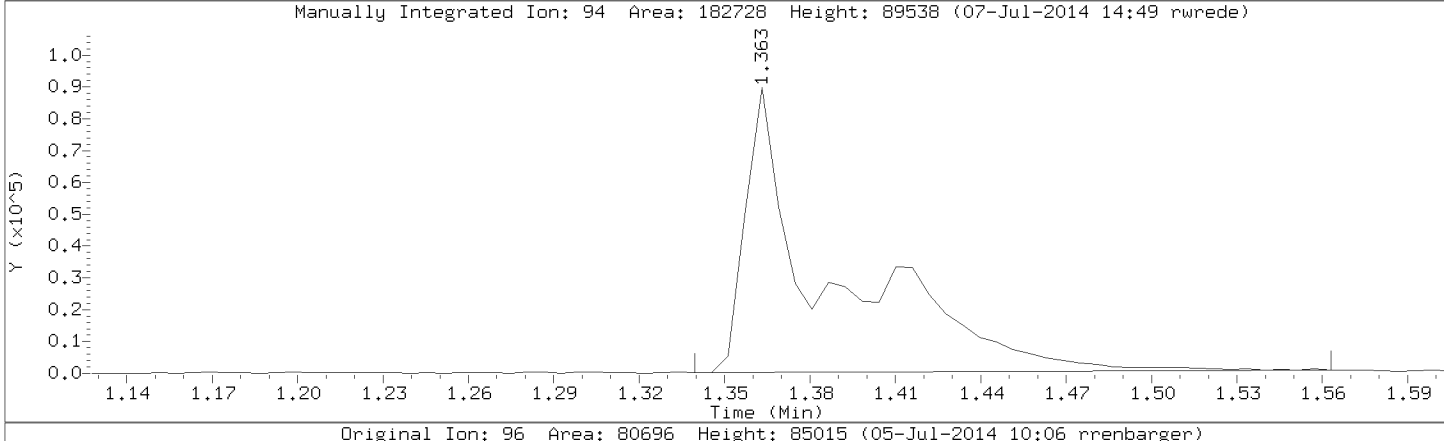


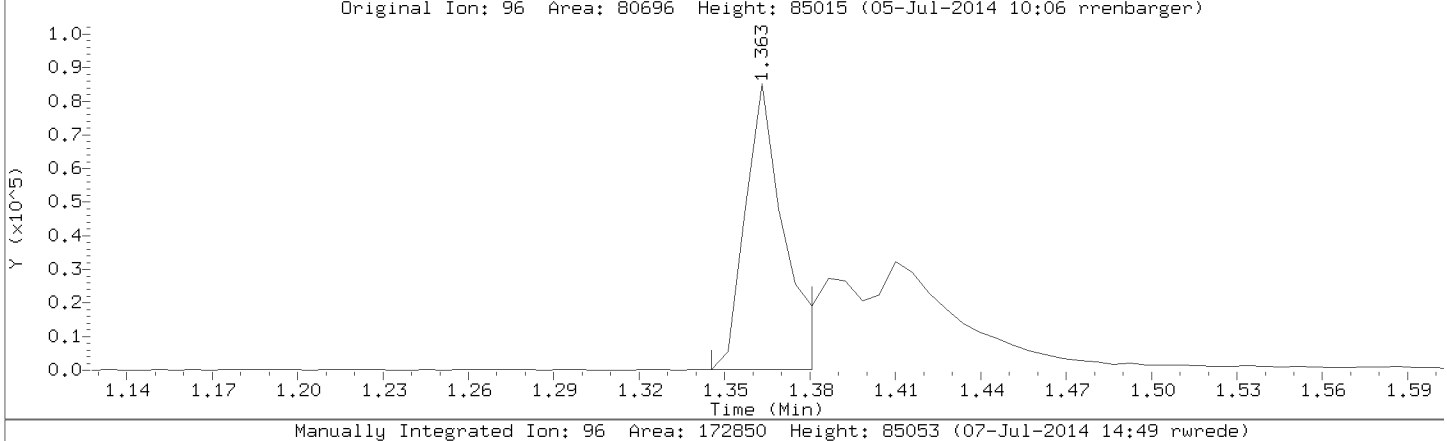


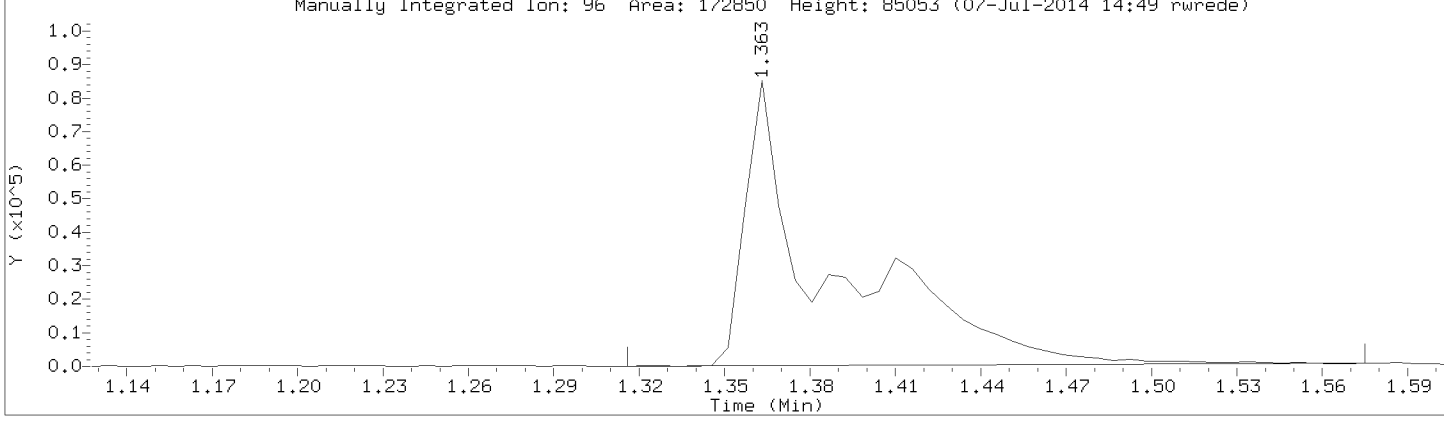
Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b/a08.d
Injection Date: 04-JUL-2014 03:30
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL7

Compound: Bromomethane
CAS Number: 74-83-9









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a09.d
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Inj Date : 04-JUL-2014 04:02
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-cal8,71916:0
Misc Info : 66458
Comment :
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Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 30-JUN-2014 16:01 Cal File: a09.d
Als bottle: 19 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)	REVIEW C
1	Dichlorodifluoromethane	85	1.010	1.016	(0.196)	2260023	300.000	287	
2	Chloromethane	50	1.151	1.157	(0.224)	2421002	300.000	285(M)	NI
3	Vinyl Chloride	62	1.180	1.181	(0.230)	1954916	300.000	294	
4	Bromomethane	94	1.363	1.375	(0.265)	240513	300.000	99.3	
5	Chloroethane	64	1.416	1.433	(0.275)	236618	300.000	64.9	
6	Trichlorofluoromethane	101	1.580	1.592	(0.307)	1879312	300.000	211	
7	Diethyl ether	74	1.786	1.786	(0.347)	635076	300.000	226	
8	1,2-dichlorotrifluoroethane	67	1.792	1.798	(0.348)	1489422	300.000	292	
9	Acrolein	56	1.880	1.875	(0.366)	3373069	6000.00	4890	
10	1,1,2trichlorotrifluoroethane	101	1.939	1.951	(0.377)	1342009	300.000	255	
11	1,1-Dichloroethene	96	1.933	1.945	(0.376)	1187013	300.000	244	
12	Acetone	43	1.998	1.992	(0.388)	1712044	1500.00	1500	
13	Iodomethane	142	2.045	2.057	(0.398)	4105568	600.000	586	
14	Carbon Disulfide	76	2.092	2.104	(0.407)	6620081	600.000	523	
15	Acetonitrile	39	2.216	2.228	(0.431)	2611588	300.000	294	
16	allyl chloride	41	2.216	2.228	(0.431)	3821898	600.000	587	
17	Methyl Acetate	43	2.257	2.251	(0.439)	1198767	300.000	302	
18	Methylene Chloride	84	2.322	2.328	(0.451)	1581247	300.000	302	
19	tert-Butyl Alcohol	59	2.516	2.457	(0.489)	249707	600.000	603(M)	GT
20	Acrylonitrile	53	2.575	2.557	(0.500)	7588745	6000.00	4740	
21	1,2-Dichloroethene (trans)	96	2.563	2.569	(0.498)	1296597	300.000	237	
22	Methyl-tert-butyl ether	73	2.592	2.580	(0.504)	6972885	600.000	503	
23	n-Hexane	57	2.839	2.845	(0.552)	1840436	300.000	303	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24	1,1-Dichloroethane	63	2.992	2.998	(0.582)	2714603	300.000	292	
	25	Vinyl Acetate	43	3.092	3.086	(0.601)	10665592	1200.00	1120	
	26	chloroprene	53	3.092	3.098	(0.601)	1915754	300.000	259	
	27	2,2-Dichloropropane	77	3.692	3.704	(0.718)	2274028	300.000	298	
	28	1,2-Dichloroethene (cis)	96	3.710	3.716	(0.721)	1912763	300.000	288	
	29	2-Butanone	43	3.786	3.774	(0.736)	3384909	1500.00	1520	
	30	Propionitrile	54	3.869	3.863	(0.752)	220245	300.000	302(Q)	
	31	Bromochloromethane	49	4.033	4.039	(0.784)	1110134	300.000	255	
	32	Methacrylonitrile	41	4.063	4.057	(0.790)	1215050	300.000	325	
	33	Tetrahydrofuran	42	4.116	4.110	(0.800)	423410	300.000	156	
	34	Chloroform	83	4.174	4.174	(0.811)	2989606	300.000	289	
	35	1,1,1-Trichloroethane	97	4.363	4.369	(0.848)	2831246	300.000	296	
$	36	Dibromofluoromethane (S)	113	4.374	4.374	(0.850)	98054	50.0000	49.5	
	37	Cyclohexane	56	4.416	4.416	(0.858)	2444377	300.000	283	
	38	Carbon Tetrachloride	117	4.557	4.563	(0.886)	2506556	300.000	332	
	39	1,1-Dichloropropene	75	4.574	4.574	(0.889)	2266779	300.000	295	
	40	Benzene	78	4.816	4.816	(0.936)	6275200	300.000	294	
	41	1,2-Dichloroethane	62	4.857	4.851	(0.944)	2273001	300.000	301	
	42	Isobutyl alcohol	43	4.933	4.933	(0.959)	870872	300.000	310	
	43	2,2,4-Trimethylpentane	57	4.933	4.933	(0.959)	4134072	300.000	330	
*	44	Fluorobenzene	96	5.145	5.151	(1.000)	357370	50.0000		
	45	Trichloroethene	95	5.545	5.545	(1.078)	1873028	300.000	287	
	46	Methylcyclohexane	55	5.721	5.721	(1.112)	1972916	300.000	283	
	47	1,2-Dichloropropane	63	5.774	5.774	(1.122)	1657206	300.000	295	
	48	Dibromomethane	93	5.886	5.892	(1.144)	1099944	300.000	291	
	49	1,4-Dioxane	88	5.963	5.939	(1.159)	339417	6000.00	7500	
	50	Methyl methacrylate	69	5.963	5.957	(1.159)	1054753	300.000	293	
	51	Bromodichloromethane	83	6.074	6.074	(1.181)	2332562	300.000	329	
	52	2-Chloroethyl vinyl ether	63	6.410	6.404	(0.815)	2068657	600.000	624	
	53	cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	2797722	300.000	324	
	54	4-Methyl-2-Pentanone	43	6.698	6.686	(0.852)	6271385	1500.00	1360	
$	55	Toluene-d8	98	6.757	6.751	(0.859)	377875	50.0000	50.0	
	56	Toluene	91	6.815	6.815	(0.867)	7003878	300.000	287	
	57	trans-1,3-Dichloropropene	75	7.045	7.039	(0.896)	2480006	300.000	341	
	58	Ethyl Methacrylate	69	7.151	7.145	(0.909)	1885355	300.000	290	
	59	1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	1227915	300.000	284	
	60	Tetrachloroethene	166	7.274	7.274	(0.925)	2174727	300.000	300	
	61	1,3-Dichloropropane	76	7.309	7.310	(0.930)	2436785	300.000	301	
	62	2-Hexanone	43	7.404	7.398	(0.942)	4286279	1500.00	1360	
	63	Dibromochloromethane	129	7.474	7.468	(0.951)	1973768	300.000	364	
	64	1,2-Dibromoethane	107	7.539	7.539	(0.959)	1674052	300.000	314	
*	65	Chlorobenzene-d5	117	7.862	7.862	(1.000)	303335	50.0000		
	66	Chlorobenzene	112	7.886	7.880	(1.003)	5007288	300.000	296	
	67	1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	1949211	300.000	334	
	68	Ethylbenzene	106	7.962	7.962	(1.013)	2598733	300.000	275	
	69	m&p-Xylene	106	8.045	8.039	(1.023)	5105561	600.000	475	
	70	o-Xylene	106	8.286	8.286	(1.054)	2825298	300.000	264	
	71	Styrene	104	8.304	8.298	(1.056)	4637954	300.000	263	
	72	Bromoform	173	8.409	8.404	(0.906)	1351198	300.000	305	
	73	Isopropylbenzene	105	8.515	8.515	(1.083)	7089330	300.000	269	
$	74	4-Bromofluorobenzene	95	8.604	8.604	(1.094)	147108	50.0000	49.3	
	75	Bromobenzene	77	8.686	8.686	(1.105)	2724168	300.000	278	
	76	1,1,2,2-Tetrachloroethane	83	8.704	8.698	(0.938)	1781820	300.000	299	
	77	1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	572162	300.000	309	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	449976	300.000	304	
79	n-Propylbenzene	91	8.762	8.762	(0.944)	7867140	300.000	272	
80	2-Chlorotoluene	91	8.809	8.804	(0.949)	4943024	300.000	275	
81	1,3,5-Trimethylbenzene	105	8.862	8.862	(0.955)	5436156	300.000	251	
82	4-Chlorotoluene	126	8.874	8.868	(0.956)	1828430	300.000	265	
83	tert-Butylbenzene	119	9.056	9.051	(0.976)	6740254	300.000	295	
84	1,2,4-Trimethylbenzene	105	9.080	9.080	(0.978)	6002864	300.000	268	
85	sec-Butylbenzene	105	9.180	9.180	(0.989)	7259448	300.000	288	
86	1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	3761474	300.000	304	
87	p-Isopropyltoluene	119	9.262	9.262	(0.998)	6483701	300.000	288	
* 88	1,4-Dichlorobenzene-d4	152	9.280	9.280	(1.000)	163274	50.0000	(Q)	
89	1,4-Dichlorobenzene	146	9.292	9.292	(1.001)	3867111	300.000	308	
90	n-Butylbenzene	91	9.498	9.498	(1.023)	5027889	300.000	283	
91	1,2-Dichlorobenzene	146	9.509	9.504	(1.025)	3339052	300.000	288	
92	1,2-Dibromo-3-chloropropane	155	9.956	9.956	(1.073)	369674	300.000	342	
93	1,2,4-Trichlorobenzene	180	10.439	10.439	(1.125)	2318797	300.000	347	
94	Hexachlorobutadiene	225	10.539	10.539	(1.136)	1058789	300.000	331	
95	Naphthalene	128	10.586	10.586	(1.141)	5676532	300.000	290	
96	1,2,3-Trichlorobenzene	180	10.733	10.733	(1.157)	2051697	300.000	339	
97	2,methyl-naphthalene	142	11.280	11.280	(1.215)	2716721	300.000	388	
98	1-Methylnaphthalene	142	11.397	11.398	(2.215)	2325342	300.000	354	

QC Flag Legend

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

Review Codes Legend

:
NI: Indicates that the peak was not integrated at all by the computer software.
GT: Indicates that the peak in question was inappropriately integrated to an area greater than it should be (e.g., Peak tailing).

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a09.d
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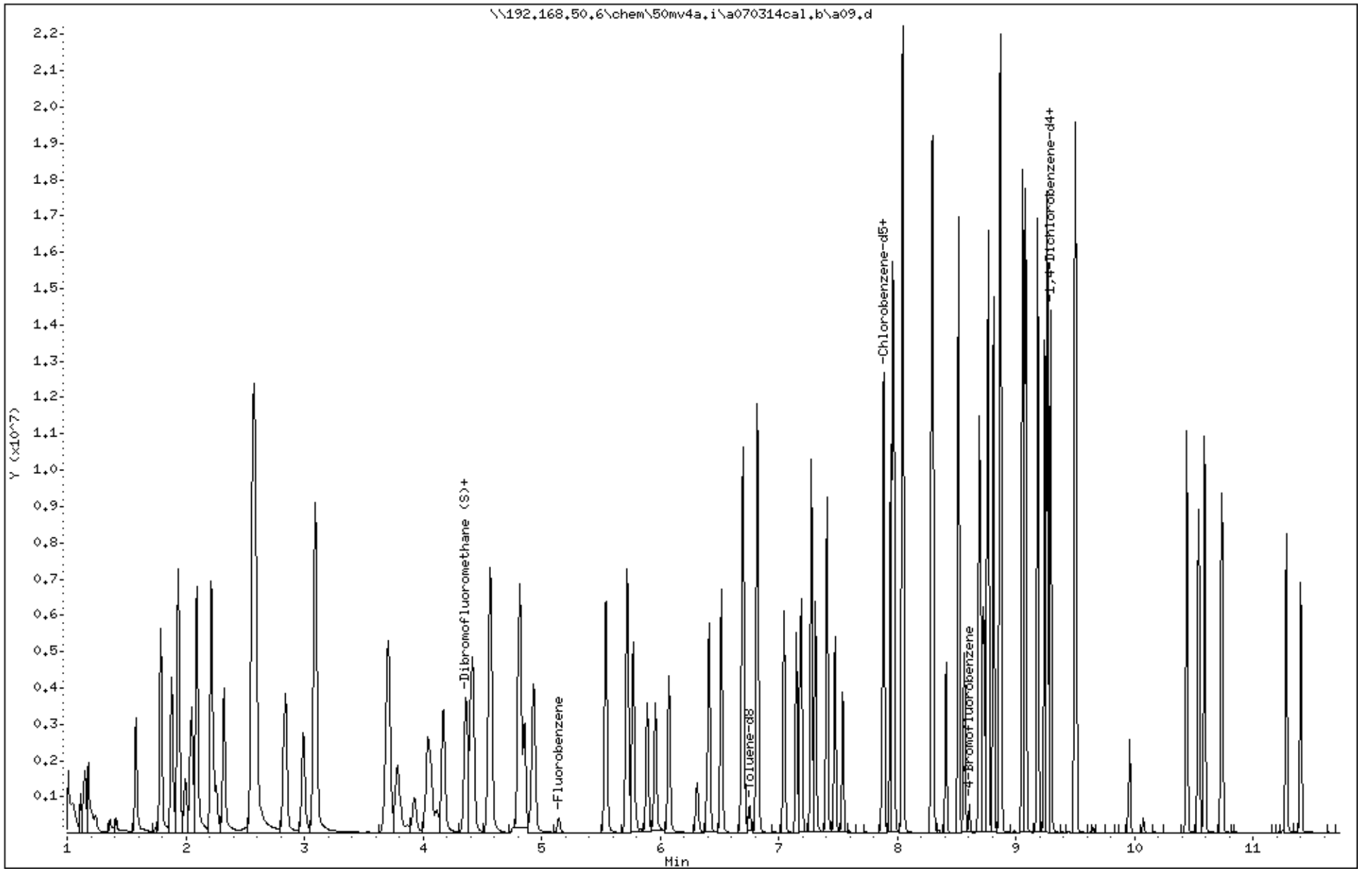
Instrument: 50mv4a.i
Sample Info: 8260-CAL8,71916:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



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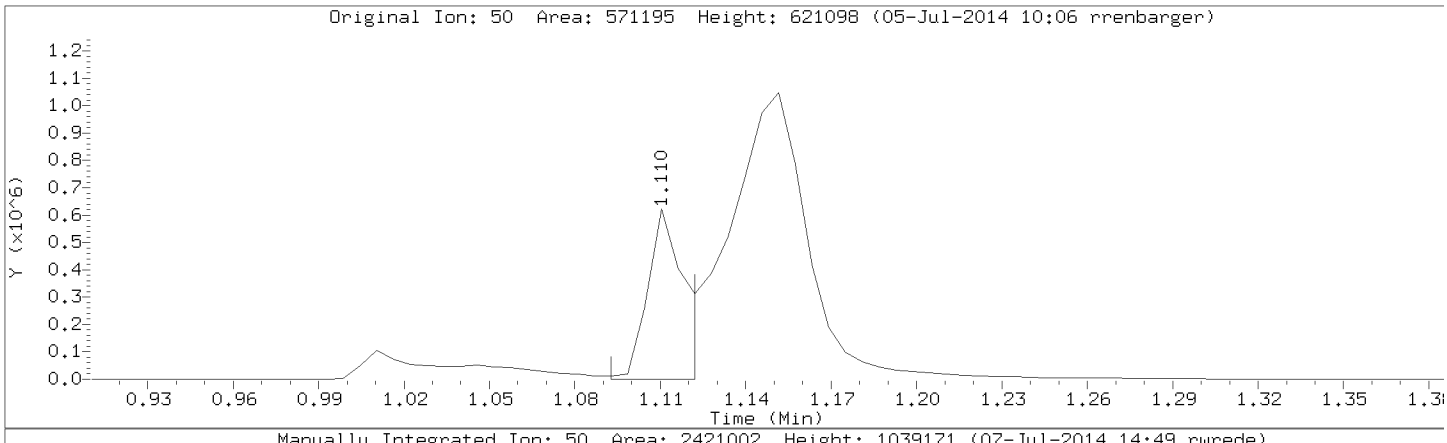
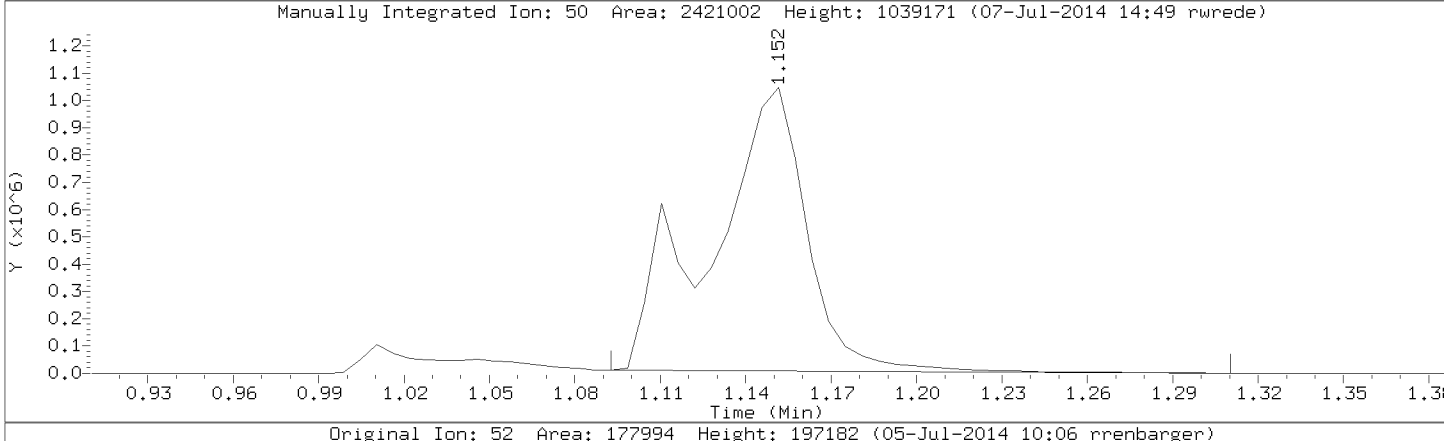
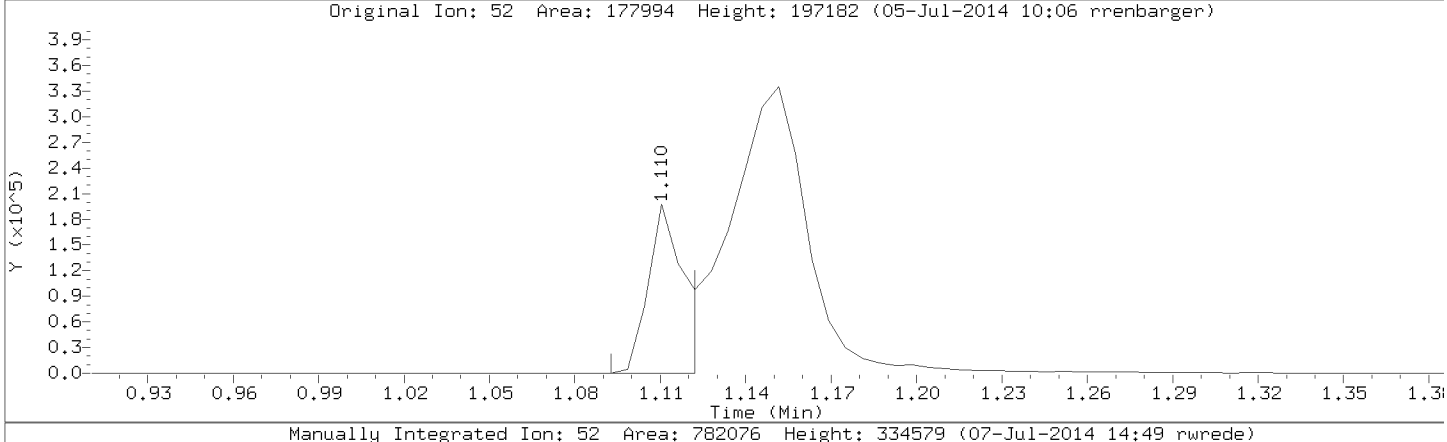
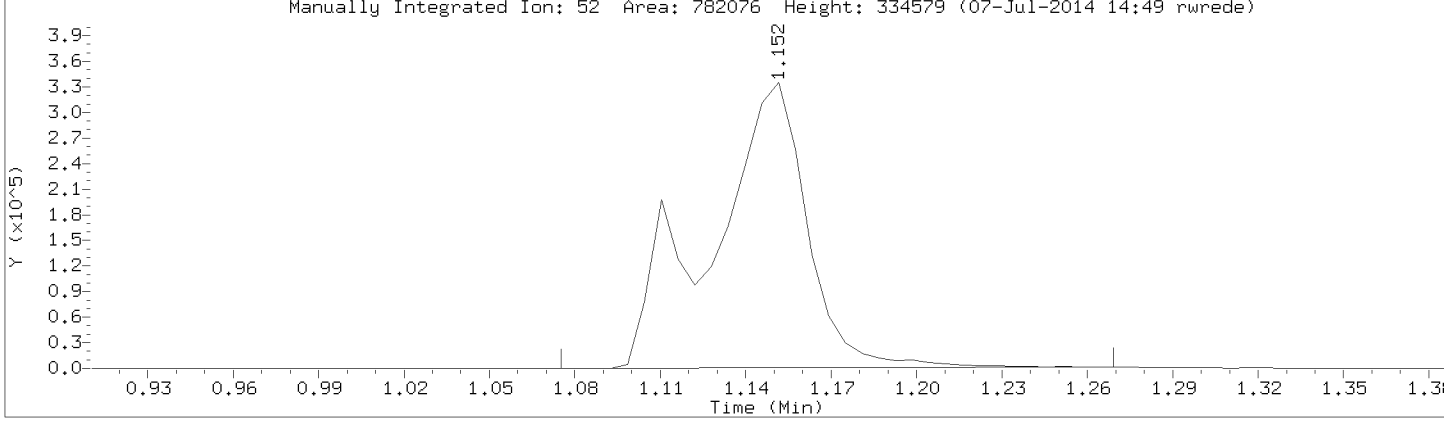
Injection Date: 04-JUL-2014 04:02
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL8

Compound: Chloromethane
CAS Number: 74-87-3









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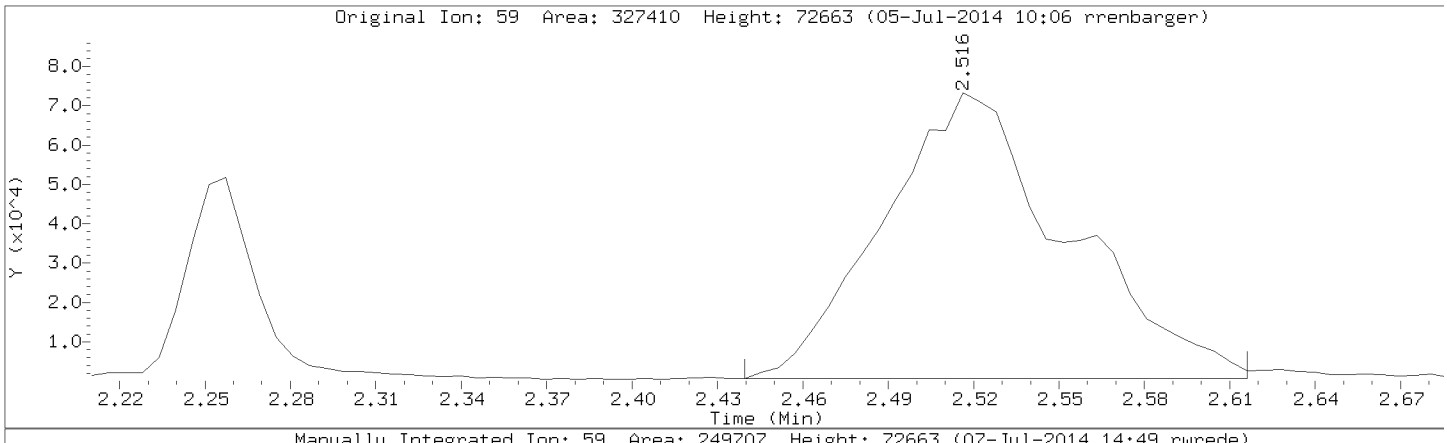
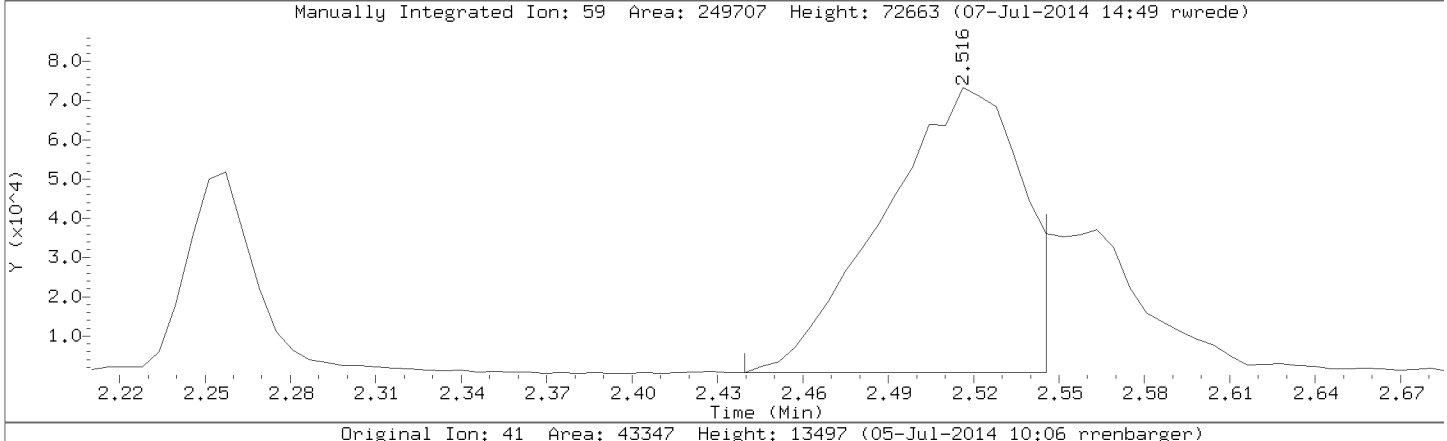
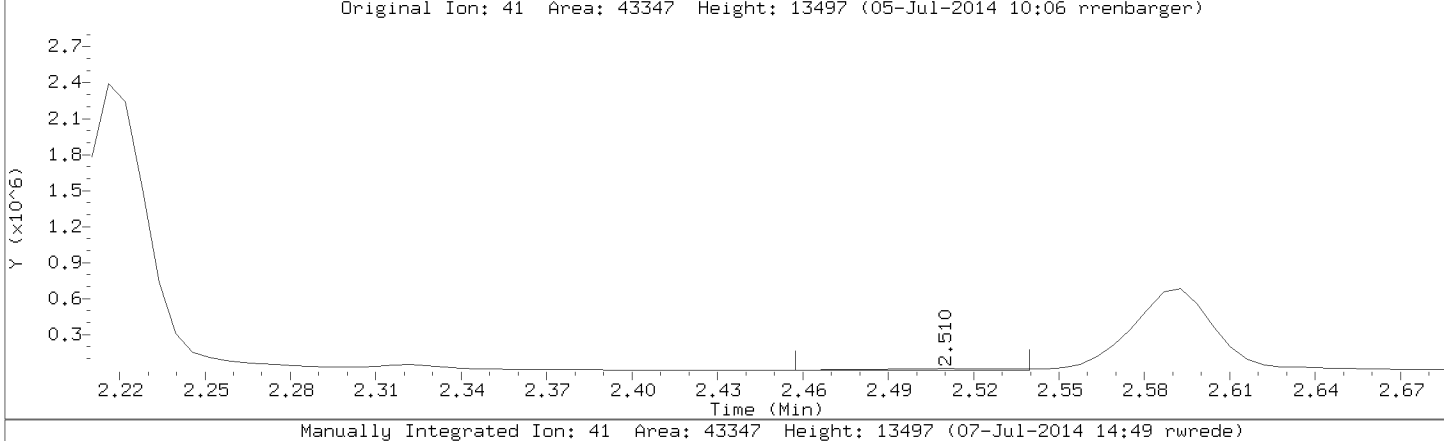
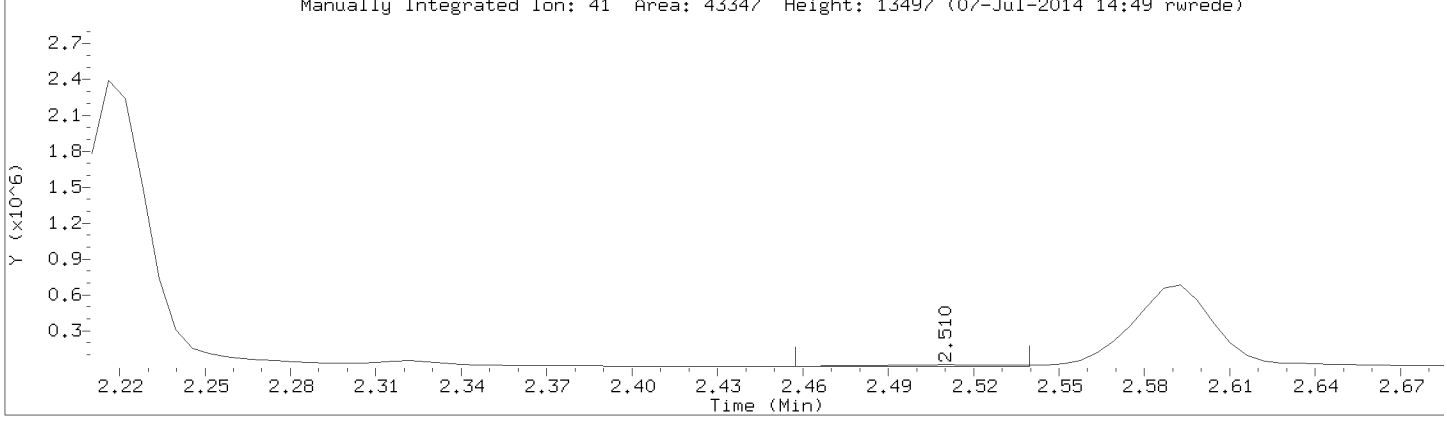
Injection Date: 04-JUL-2014 04:02
Instrument: 50mv4a.i
Lab Sample ID: 8260-CAL8

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









Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d
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Inj Date : 09-JUL-2014 21:15
Operator : dae Inst ID: 50mv2a.i
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Misc Info : 66623
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Meth Date : 10-Jul-2014 10:08 DEngelhard Quant Type: ISTD
Cal Date : 09-JUL-2014 20:09 Cal File: a13cal8.d
Als bottle: 16 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)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	207067	54.0103	54.0	
2	Chloromethane	50	1.024	1.024	(0.246)	187079	43.1108	43.1	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	180221	48.4170	48.4	
4	Bromomethane	94	1.213	1.213	(0.292)	73068	74.7896	74.8(R)	
5	Chloroethane	64	1.260	1.260	(0.303)	93840	55.7508	55.8	
6	Trichlorofluoromethane	101	1.372	1.372	(0.330)	230190	46.4405	46.4	
7	Diethyl ether	74	1.494	1.494	(0.359)	72622	50.6645	50.7	
8	1,2-dichlorotrifluoroethane	67	1.511	1.511	(0.363)	157608	46.6953	46.7	
9	Acrolein	56	1.564	1.566	(0.376)	680435	1458.73	1460(R)	
10	1,1,2trichlorotrifluoroethane	101	1.616	1.616	(0.389)	119469	49.2679	49.3	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	102592	47.0034	47.0	
12	Acetone	43	1.630	1.630	(0.392)	284095	248.675	249	
13	Iodomethane	142	1.708	1.708	(0.411)	155117	84.1572	84.2	
14	Carbon Disulfide	76	1.753	1.753	(0.421)	662255	101.699	102	
15	Methyl Acetate	43	1.797	1.797	(0.432)	165164	51.5960	51.6	
16	Acetonitrile	39	1.814	1.814	(0.436)	356661	46.3635	46.4	
17	allyl chloride	41	1.814	1.814	(0.436)	489431	95.4464	95.4	
18	Methylene Chloride	84	1.886	1.886	(0.454)	120969	49.8646	49.9	
19	tert-Butyl Alcohol	59	1.928	1.922	(0.464)	29713	97.2616	97.3	
20	Acrylonitrile	53	2.020	2.020	(0.486)	1289860	940.789	941	
21	Methyl-tert-butyl ether	73	2.048	2.045	(0.492)	704309	97.5067	97.5	
22	1,2-Dichloroethene (trans)	96	2.056	2.056	(0.494)	111883	48.6346	48.6	
23	n-Hexane	57	2.237	2.237	(0.538)	215267	43.7453	43.7	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	1563460	209.508	210	
	25 1,1-Dichloroethane	63	2.357	2.357	(0.567)	265705	51.3514	51.4	
	26 Chloroprene	53	2.409	2.412	(0.579)	292486	49.1377	49.1	
	27 Ethyl acetate	88	2.412	2.412	(0.580)	108422		(Q)	
	28 2-Butanone	43	2.810	2.810	(0.676)	502828	238.611	239	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.679)	145456	46.1379	46.1	
	30 2,2-Dichloropropane	77	2.827	2.830	(0.680)	121486	42.3936	42.4	
	31 Propionitrile	54	2.863	2.866	(0.688)	28167	45.1057	45.1(Q)	
	32 Methacrylonitrile	41	3.016	3.013	(0.725)	554359	860.391	860	
	33 Bromochloromethane	49	3.055	3.052	(0.734)	147745	46.5488	46.5	
	34 Tetrahydrofuran	42	3.066	3.066	(0.737)	59363	53.0579	53.0	
	35 Chloroform	83	3.158	3.161	(0.759)	246950	50.9623	51.0	
$	36 Dibromofluoromethane (S)	113	3.333	3.333	(0.801)	107705	50.0558	50.0	
	37 1,1,1-Trichloroethane	97	3.333	3.339	(0.801)	169846	43.6966	43.7	
	38 cyclohexane	56	3.414	3.414	(0.821)	324436	53.1276	53.1	
	39 Carbon Tetrachloride	117	3.511	3.511	(0.844)	101639	46.0254	46.0	
	40 1,1-Dichloropropene	75	3.520	3.520	(0.846)	196924	49.9021	49.9	
	41 Benzene	78	3.762	3.759	(0.904)	556157	50.9738	51.0	
	42 1,2-Dichloroethane	62	3.848	3.848	(0.925)	231238	50.7508	50.8	
	43 2,2,4-Trimethylpentane	57	3.931	3.931	(0.945)	510570	48.0201	48.0	
	44 Isobutyl alcohol	43	3.876	3.934	(0.932)	1765886	805.498	805(Q)	
*	45 Fluorobenzene	96	4.159	4.159	(1.000)	455056	50.0000		
	47 Trichloroethene	95	4.602	4.602	(1.106)	138537	46.5127	46.5	
	48 Methylcyclohexane	55	4.858	4.858	(1.168)	231595	50.3312	50.3	
	49 1,2-Dichloropropane	63	4.900	4.899	(1.178)	152642	51.8293	51.8	
	50 1,4-Dioxane	88	4.997	4.997	(1.201)	23811	43.5546	43.6(R)	
	51 Dibromomethane	93	4.991	4.989	(1.200)	76990	49.6587	49.6	
	52 Methyl methacrylate	69	5.011	5.008	(1.205)	100797	50.1267	50.1	
	53 Bromodichloromethane	83	5.206	5.208	(1.251)	144011	43.7583	43.8	
	54 2-Chloroethyl vinyl ether	63	5.542	5.542	(0.765)	100905	54.5285	54.5	
	55 cis-1,3-Dichloropropene	75	5.679	5.679	(0.784)	147287	45.0778	45.1	
	56 4-Methyl-2-Pentanone	43	5.845	5.845	(0.807)	940020	267.473	267	
$	57 Toluene-d8	98	5.937	5.934	(0.820)	434867	50.0733	50.1	
	58 Toluene	91	6.004	6.004	(0.829)	571332	50.4207	50.4	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	111030	45.6292	45.6	
	60 Ethyl Methacrylate	69	6.360	6.357	(0.878)	708346	195.396	195	
	61 1,1,2-Trichloroethane	83	6.458	6.458	(0.891)	92074	49.0506	49.0	
	62 Tetrachloroethene	166	6.505	6.505	(0.898)	113681	49.9249	49.9	
	63 1,3-Dichloropropane	76	6.599	6.599	(0.911)	203307	49.4713	49.5	
	64 2-Hexanone	43	6.672	6.672	(0.921)	658309	268.532	268	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	73566	39.6388	39.6	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.948)	101577	54.5253	54.5	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	300565	50.0000		
	68 Chlorobenzene	112	7.267	7.267	(1.003)	329443	50.7001	50.7	
	69 1,1,1,2-Tetrachloroethane	131	7.348	7.348	(1.014)	77902	46.4570	46.4	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	188671	50.2461	50.2	
	71 m&p-Xylene	106	7.459	7.459	(1.030)	459944	104.490	104	
	72 o-Xylene	106	7.729	7.729	(1.067)	221086	54.8321	54.8	
	73 Styrene	104	7.746	7.746	(1.069)	381620	55.1193	55.1	
	74 Bromoform	173	7.865	7.865	(0.892)	37079	45.9465	45.9	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	608130	55.4698	55.5	
$	76 4-Bromofluorobenzene	95	8.102	8.102	(1.118)	176101	51.3482	51.3	
	77 n-amyl acetate	70	8.102	8.099	(1.118)	1728		(Q)	
	78 Bromobenzene	77	8.180	8.180	(1.129)	241123	51.3990	51.4	

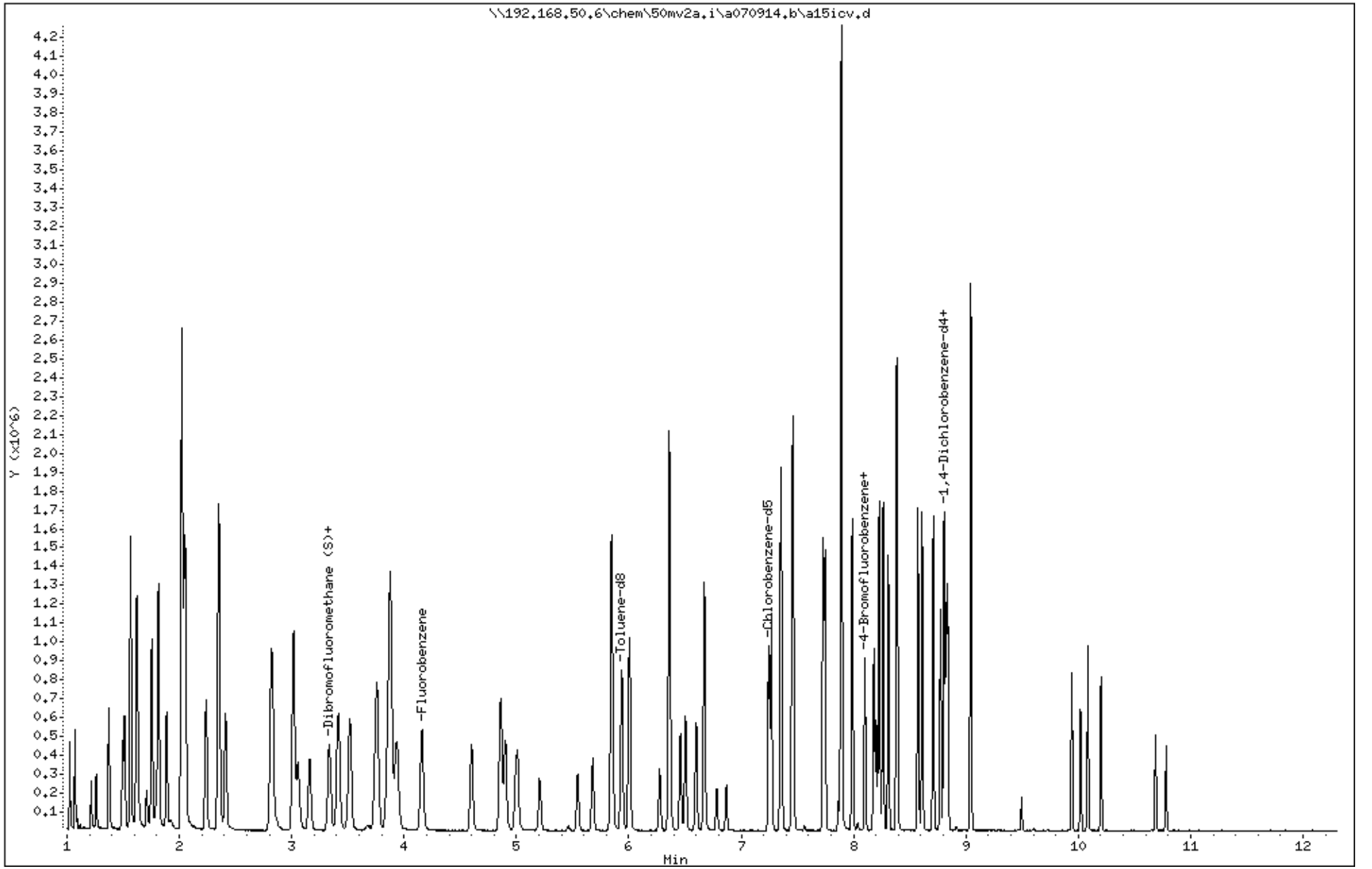
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
79	1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	145042	51.0278	51.0	
80	trans-1,4-Dichloro-2-butene	53	8.227	8.224	(1.136)	187404	185.233	185(Q)	
81	1,2,3-Trichloropropane	110	8.233	8.233	(0.933)	47596	49.7565	49.8(Q)	
82	n-Propylbenzene	91	8.263	8.260	(0.937)	765061	51.5714	51.6	
83	2-Chlorotoluene	91	8.311	8.308	(0.942)	439333	49.8058	49.8	
84	1,3,5-Trimethylbenzene	105	8.383	8.380	(0.950)	494432	51.6853	51.7	
85	4-Chlorotoluene	126	8.388	8.388	(0.951)	135441	51.8496	51.8	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	417365	49.3664	49.4	
87	1,2,4-Trimethylbenzene	105	8.611	8.611	(0.976)	508843	51.1288	51.1	
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	612057	53.1825	53.2	
89	1,3-Dichlorobenzene	146	8.775	8.772	(0.995)	229160	48.9676	49.0	
90	p-Isopropyltoluene	119	8.806	8.803	(0.998)	506450	52.9539	53.0	
* 91	1,4-Dichlorobenzene-d4	152	8.822	8.822	(1.000)	143094	50.0000	(Q)	
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	232951	48.1270	48.1	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	504377	53.1399	53.1	
94	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	215236	51.6219	51.6	
95	1,2-Dibromo-3-chloropropane	155	9.496	9.493	(1.076)	14108	44.9567	45.0	
96	1,2,4-Trichlorobenzene	180	9.944	9.941	(1.127)	113793	54.0707	54.1	
97	Hexachlorobutadiene	225	10.022	10.022	(1.136)	55342	48.7377	48.7	
98	Naphthalene	128	10.086	10.086	(1.143)	373742	55.1227	55.1	
99	1,2,3-Trichlorobenzene	180	10.202	10.202	(1.156)	105792	55.0618	55.1	
100	2,methyl-naphthalene	142	10.687	10.687	(1.211)	118366	47.7350	47.7	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	97769	47.4964	47.5	

QC Flag Legend

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

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d
Date : 09-JUL-2014 21:15
Client ID: 8260-ICV,72095:5
Sample Info: 8260-ICV,72095:5
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

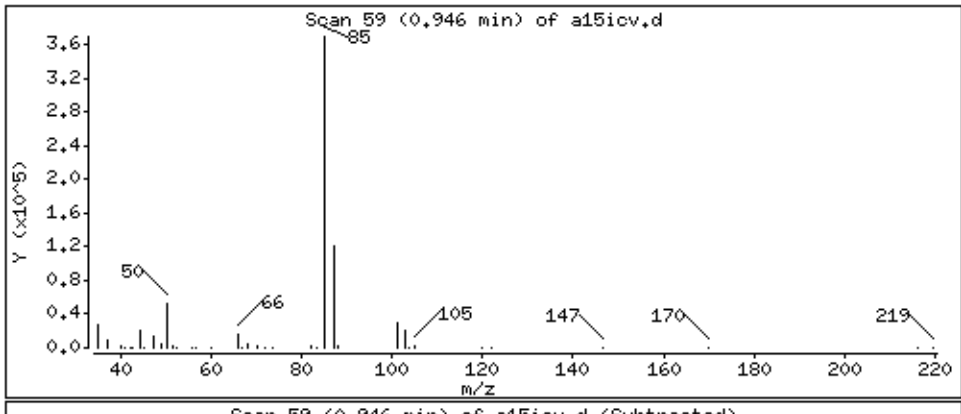
Operator: dae

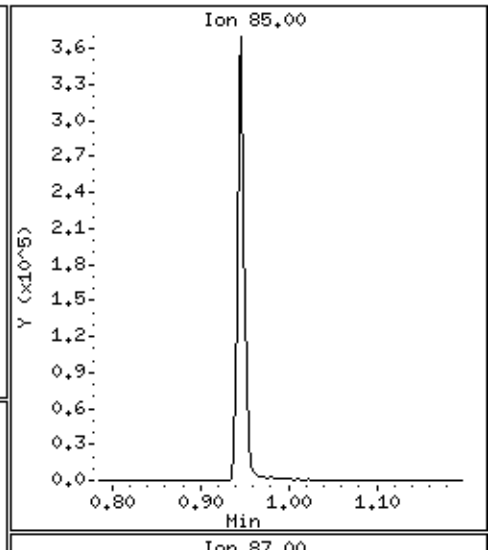
Column phase: DB-624

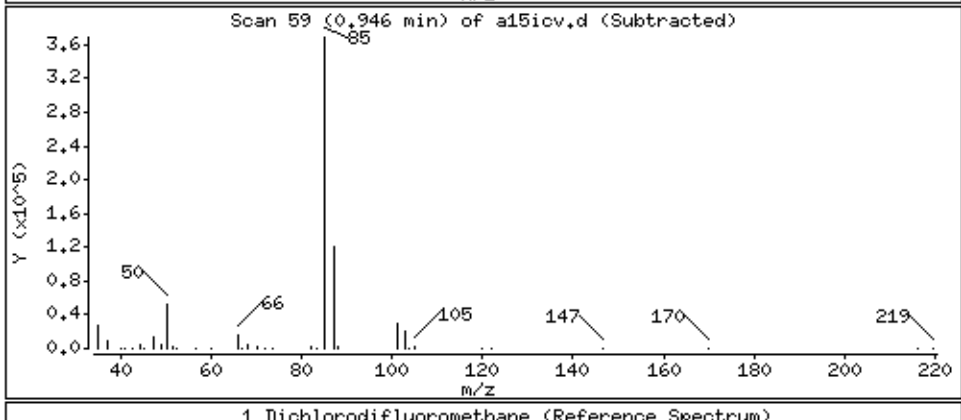
Column diameter: 0.18

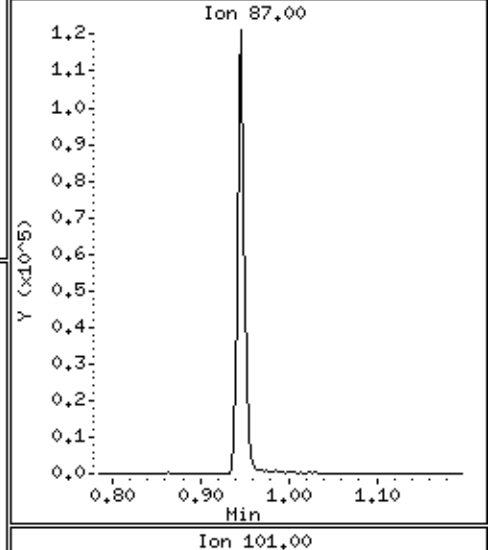
1 Dichlorodifluoromethane

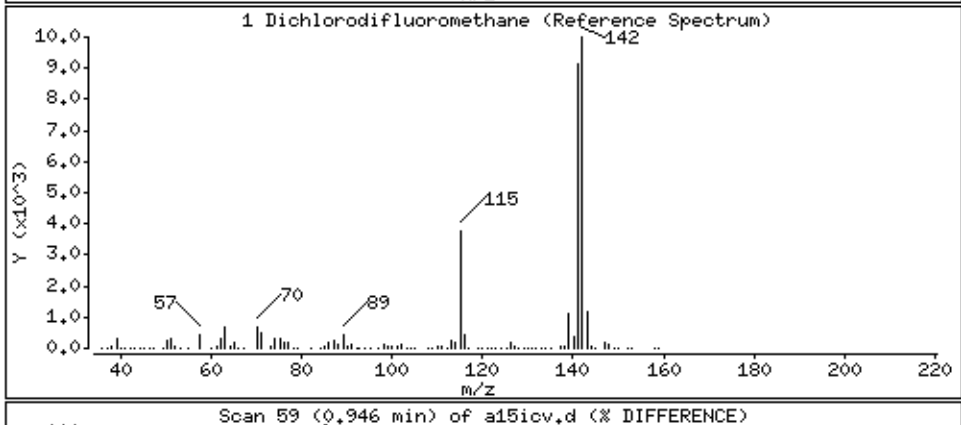
Concentration: 54.0 ppb

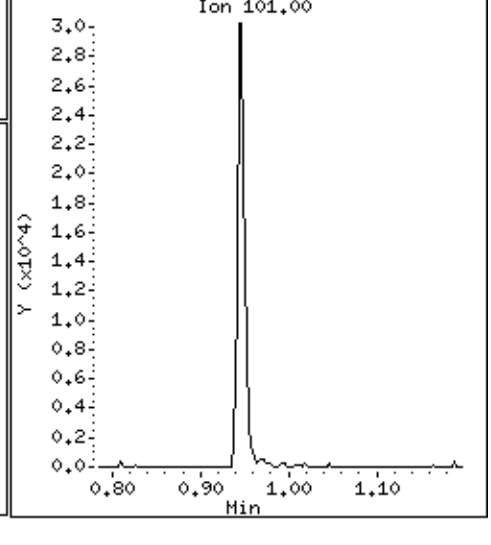


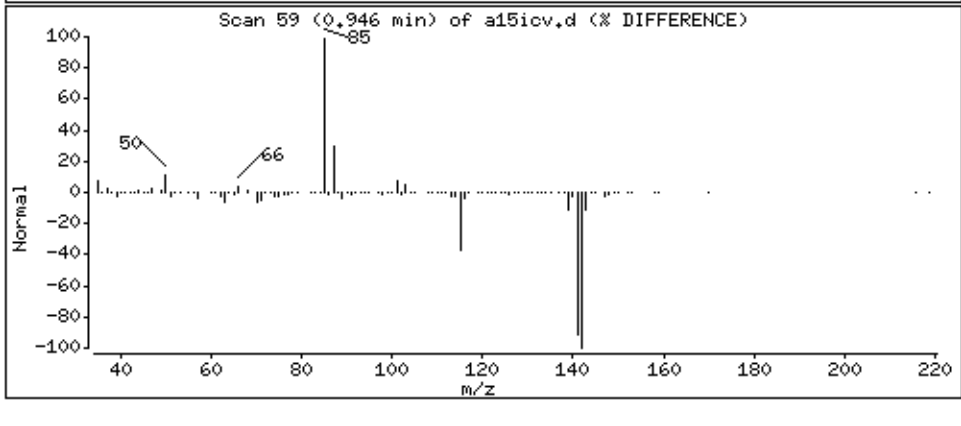












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

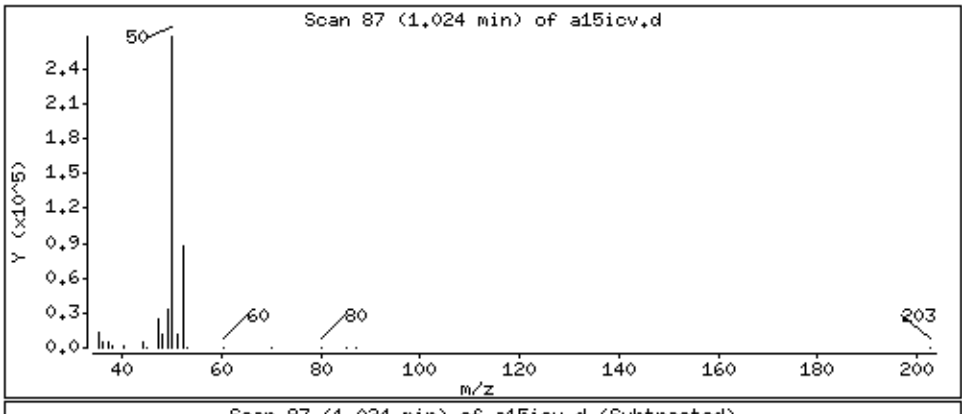
Operator: dae

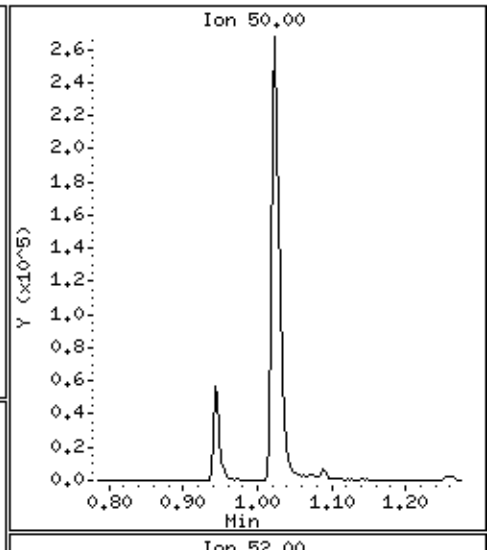
Column phase: DB-624

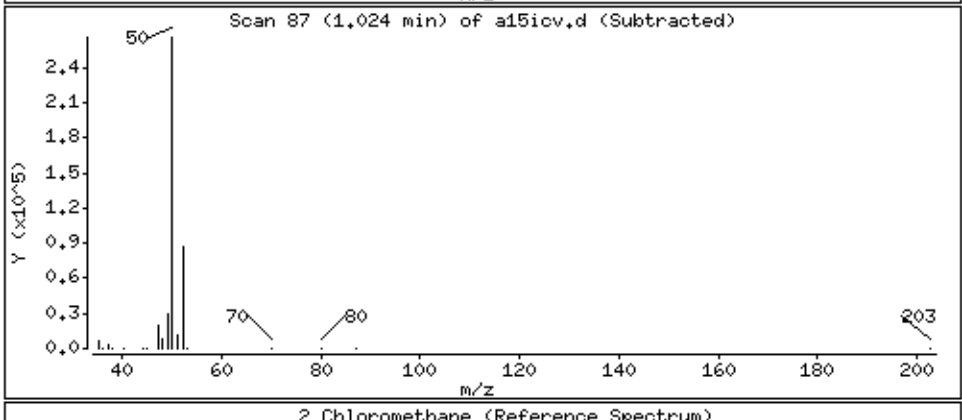
Column diameter: 0.18

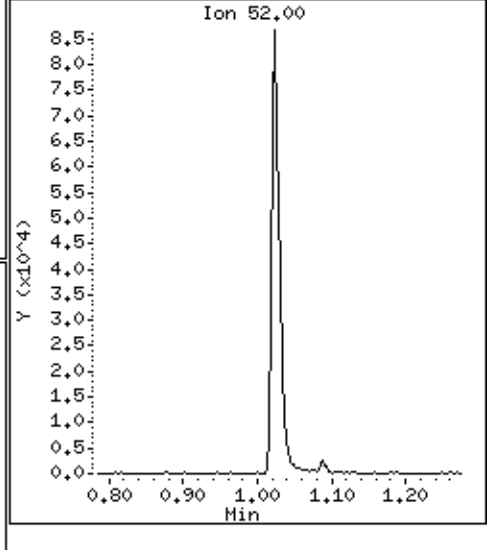
2 Chloromethane

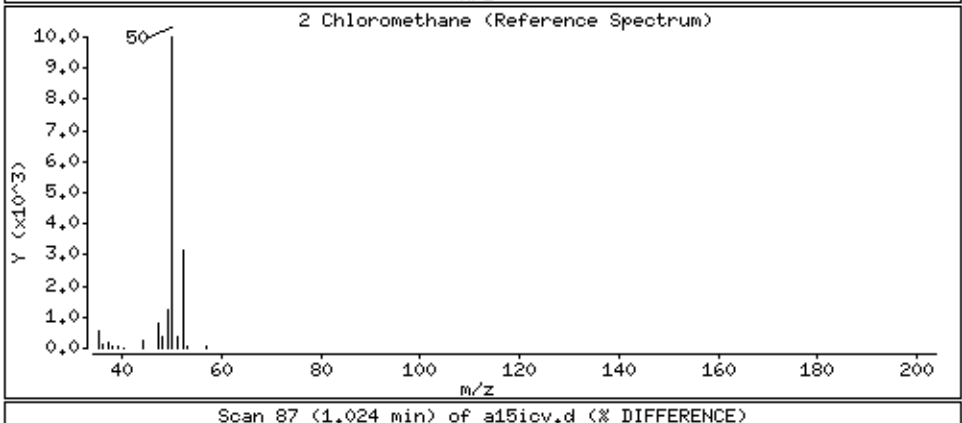
Concentration: 43.1 ppb

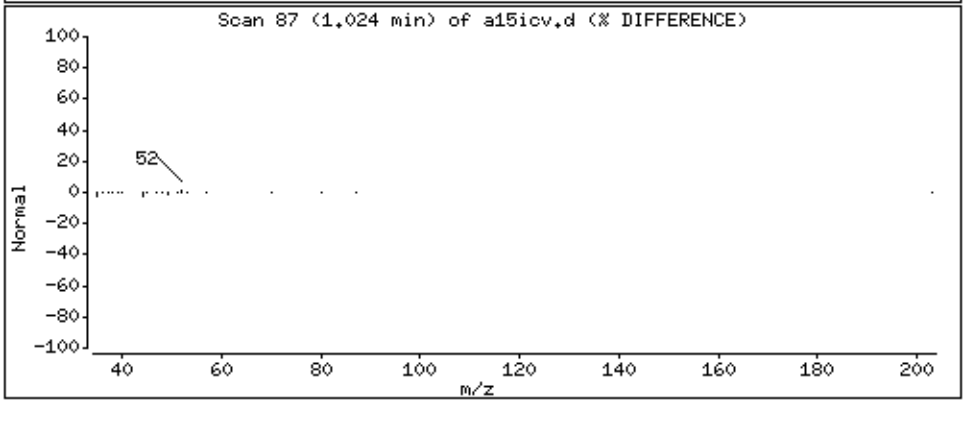












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

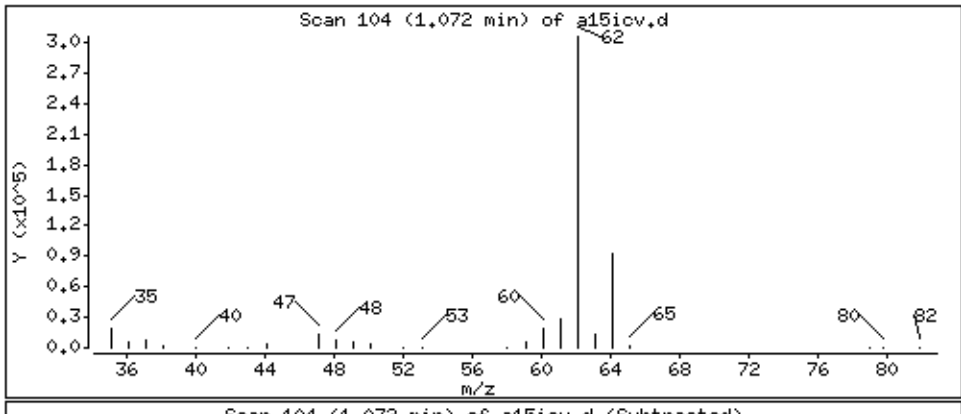
Operator: dae

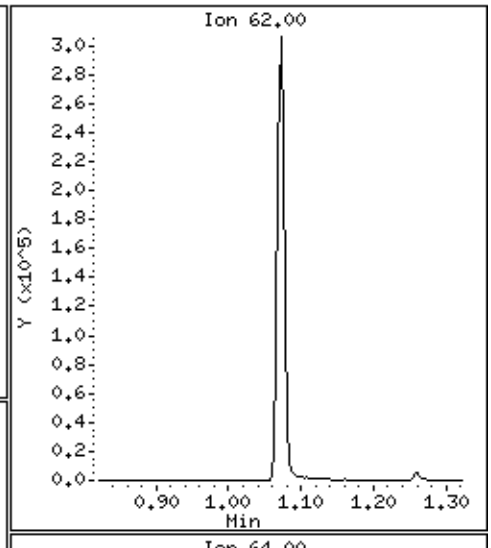
Column phase: DB-624

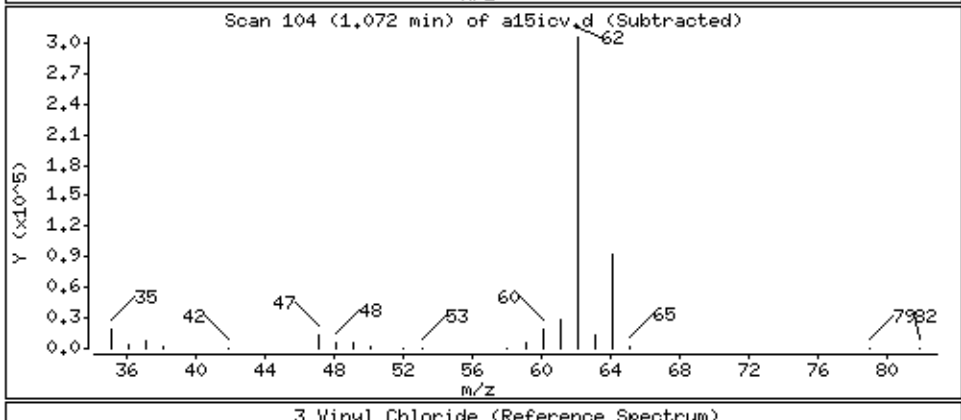
Column diameter: 0.18

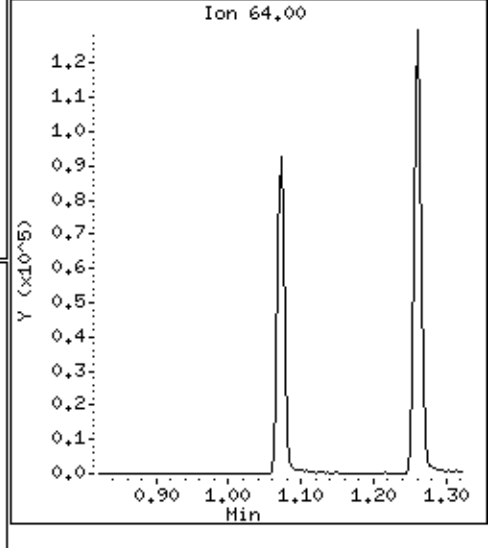
3 Vinyl Chloride

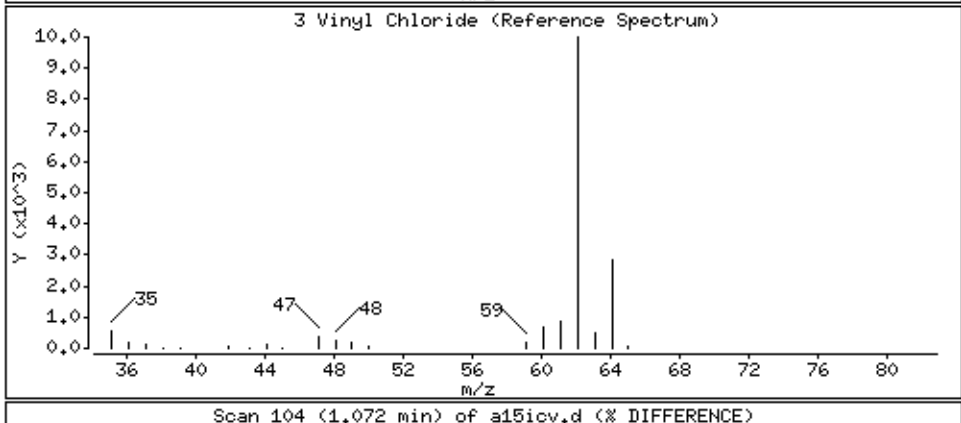
Concentration: 48.4 ppb

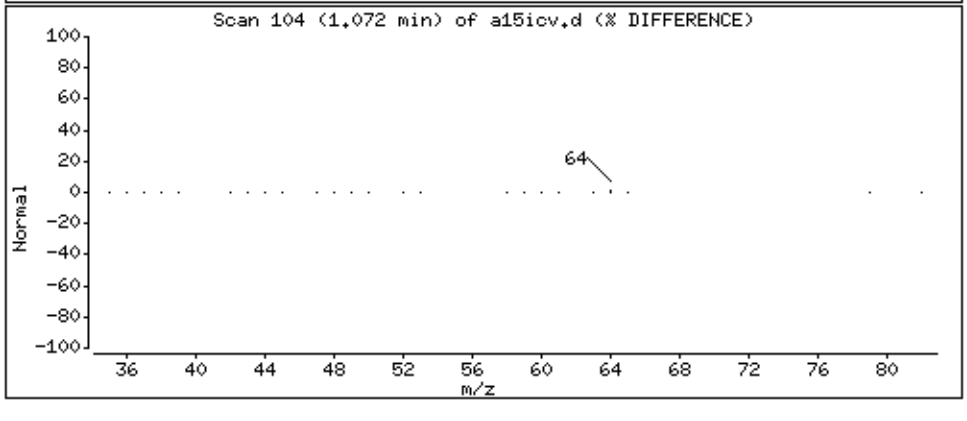












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

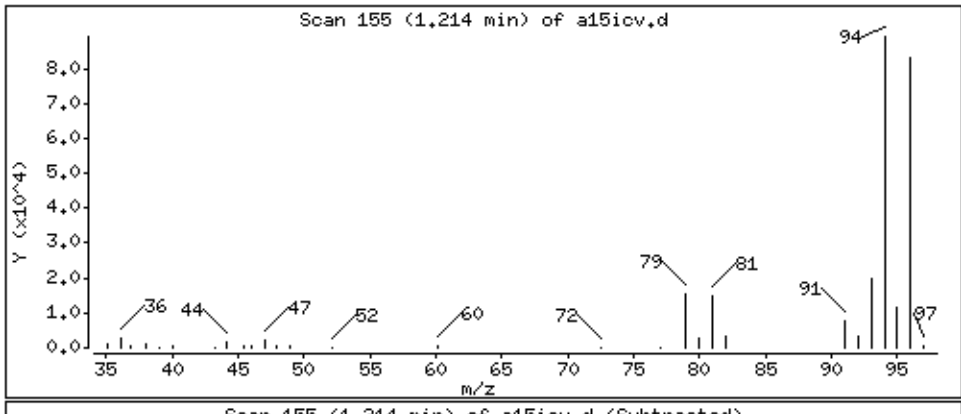
Operator: dae

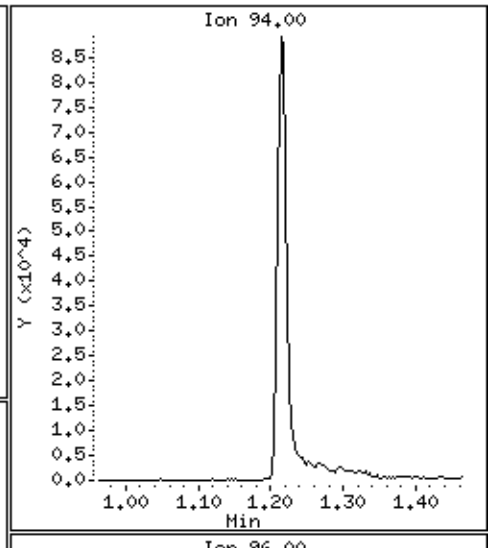
Column phase: DB-624

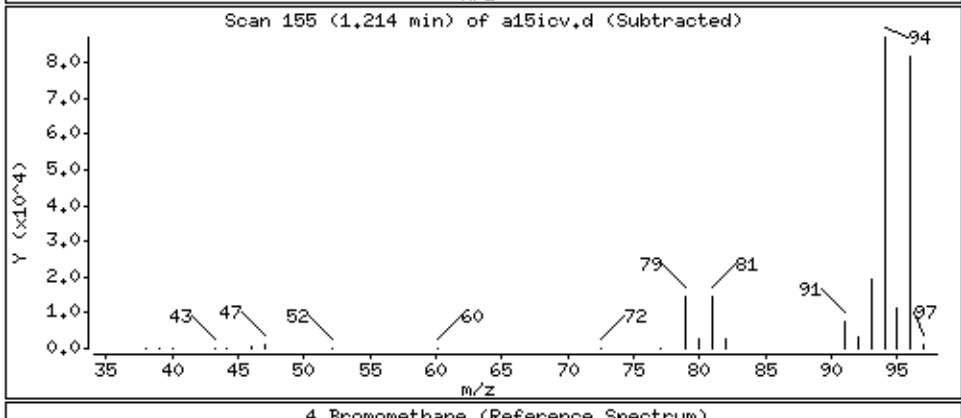
Column diameter: 0.18

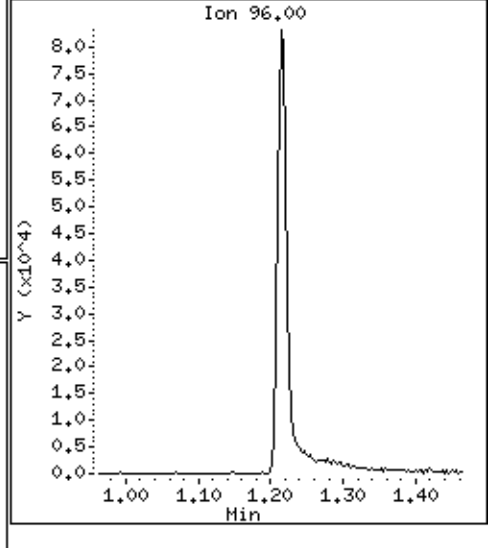
4 Bromomethane

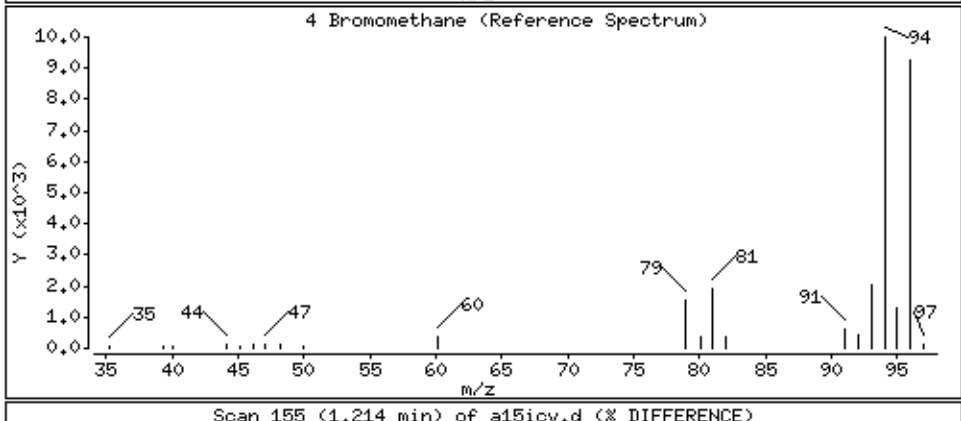
Concentration: 74.8 ppb

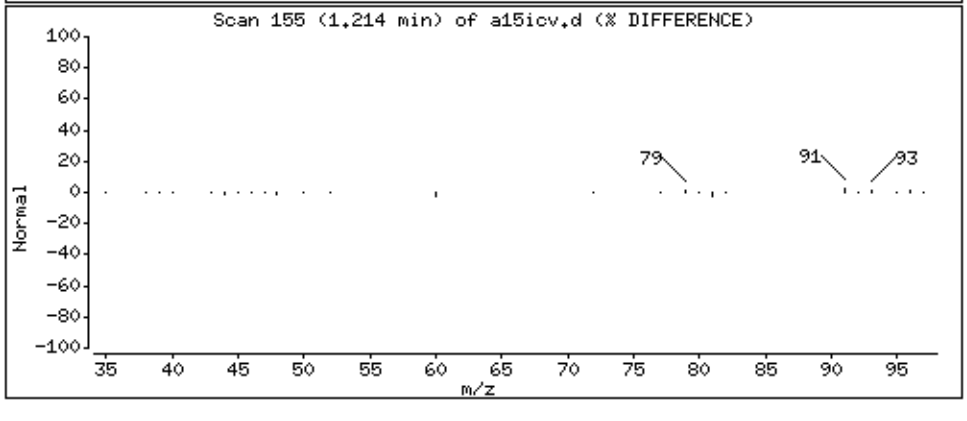












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

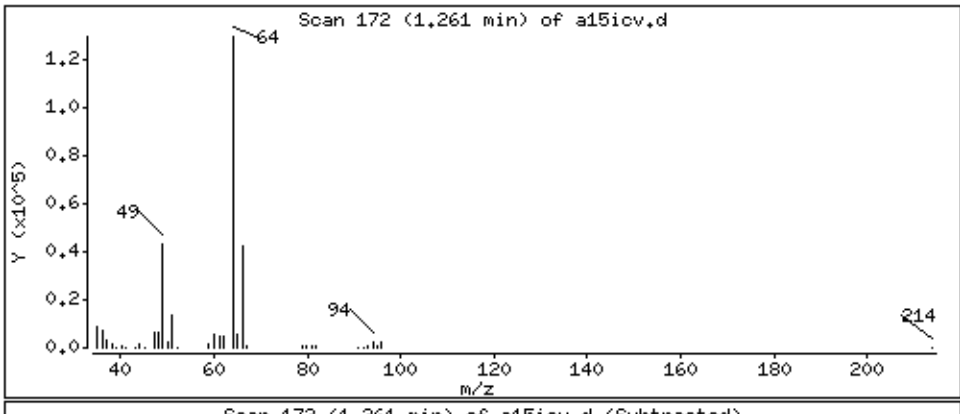
Operator: dae

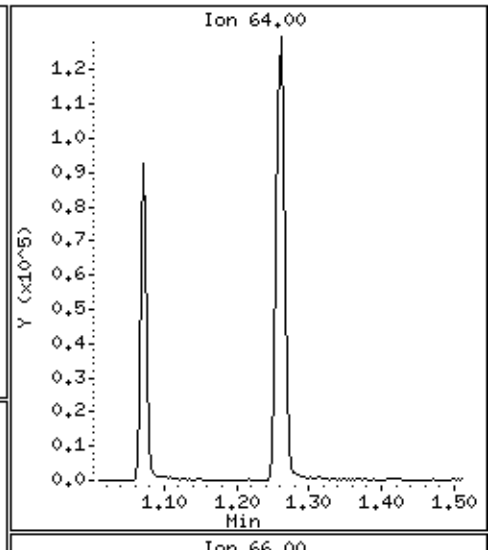
Column phase: DB-624

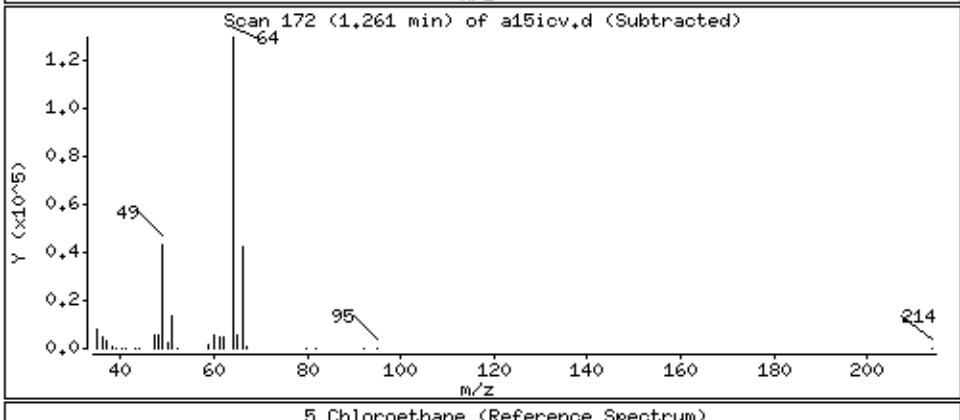
Column diameter: 0.18

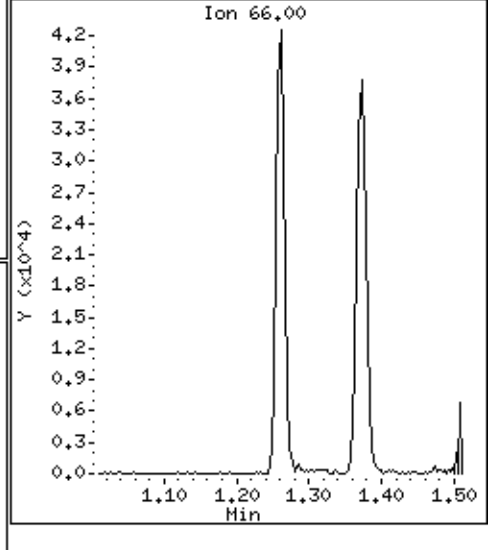
5 Chloroethane

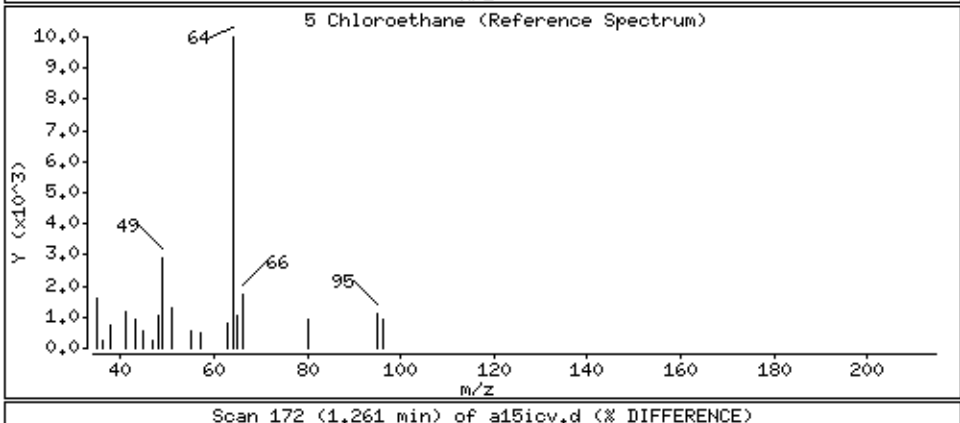
Concentration: 55.8 ppb

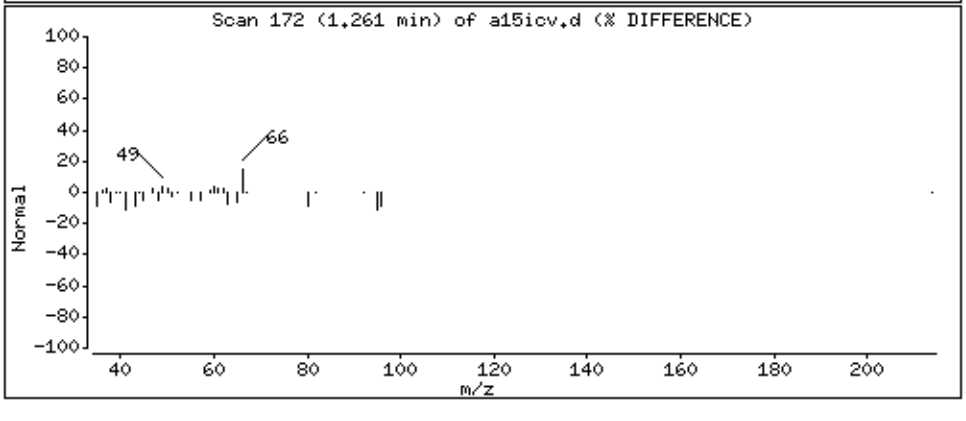












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Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

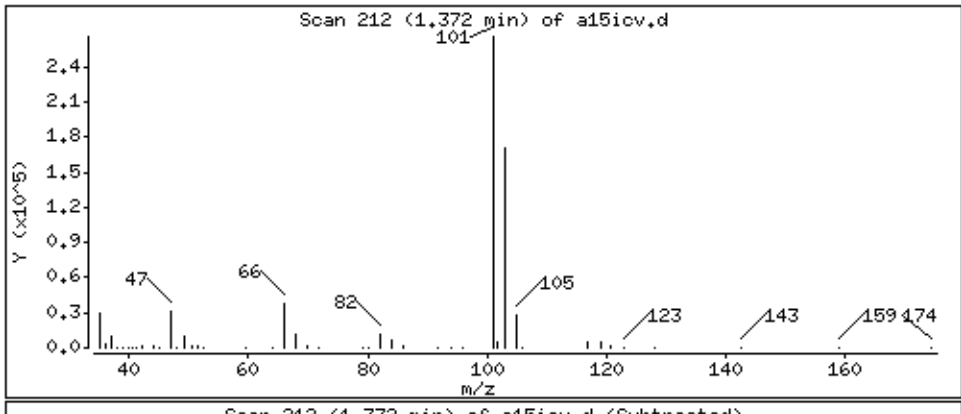
Operator: dae

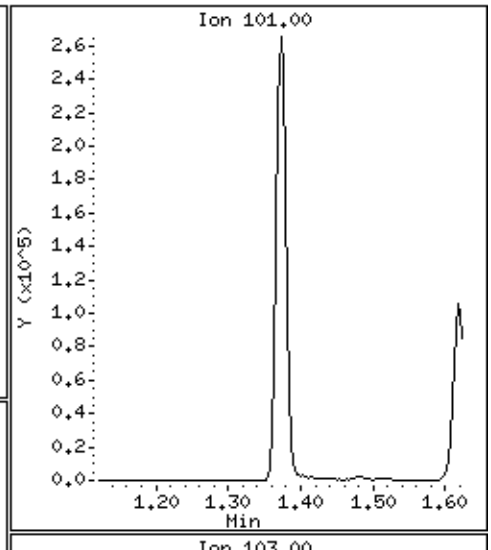
Column phase: DB-624

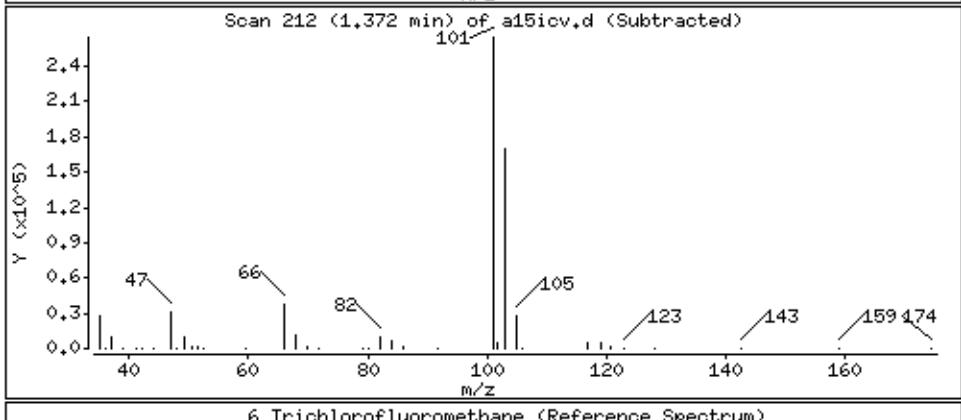
Column diameter: 0.18

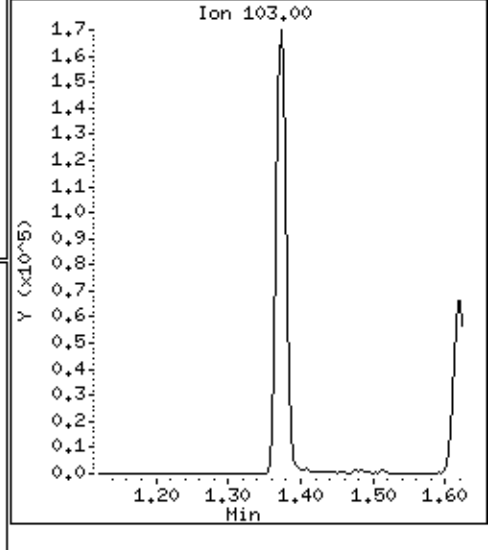
6 Trichlorofluoromethane

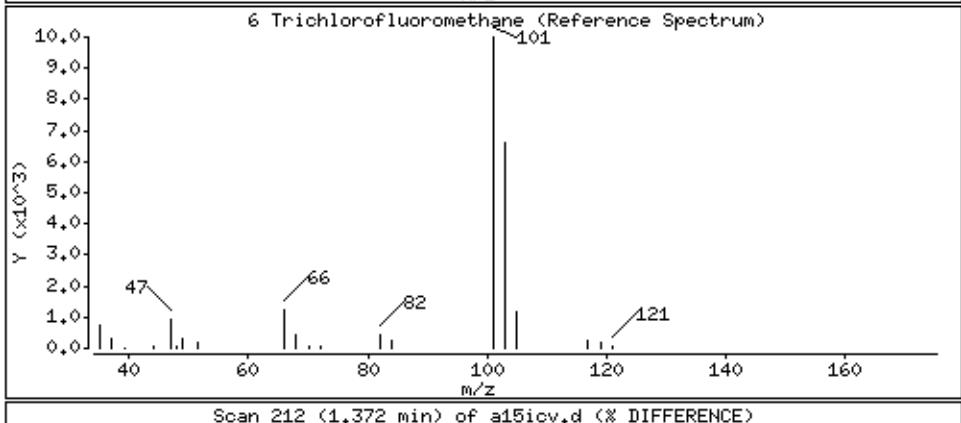
Concentration: 46.4 ppb

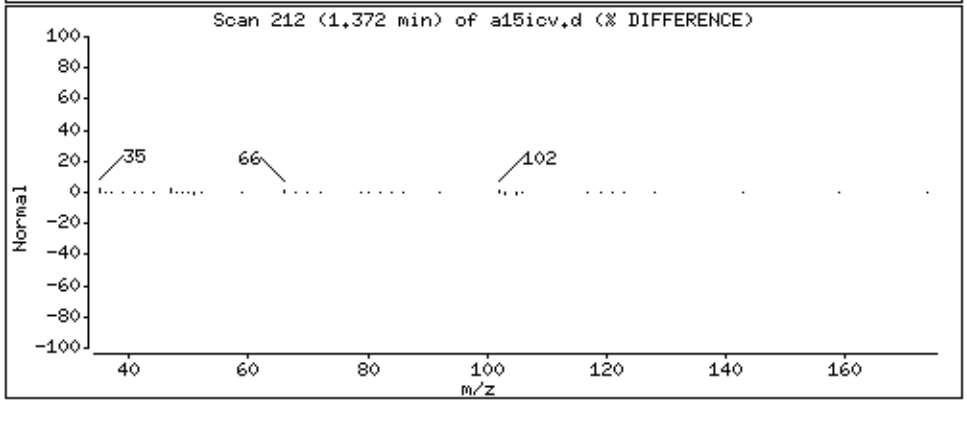












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

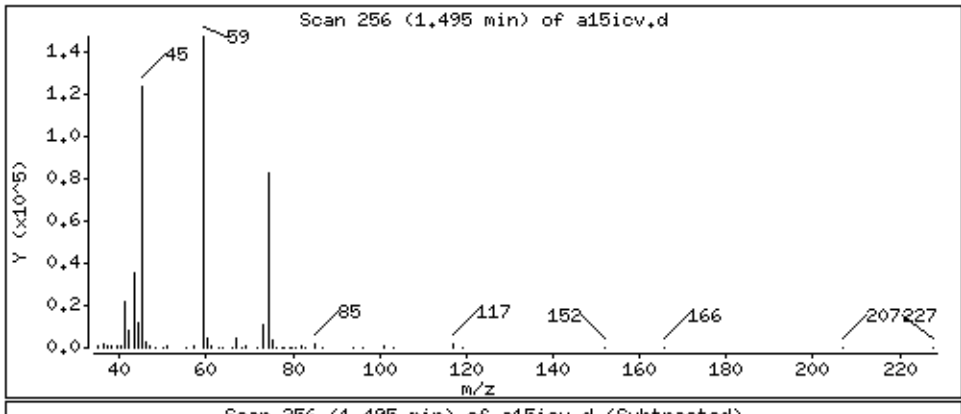
Operator: dae

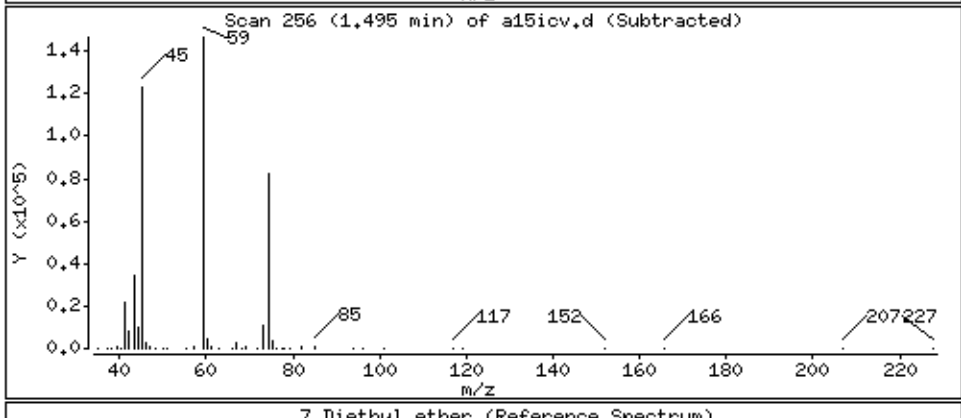
Column phase: DB-624

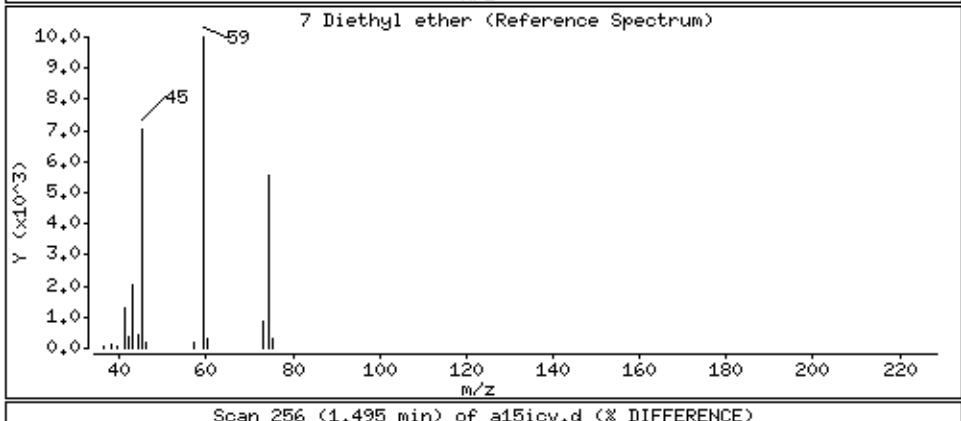
Column diameter: 0.18

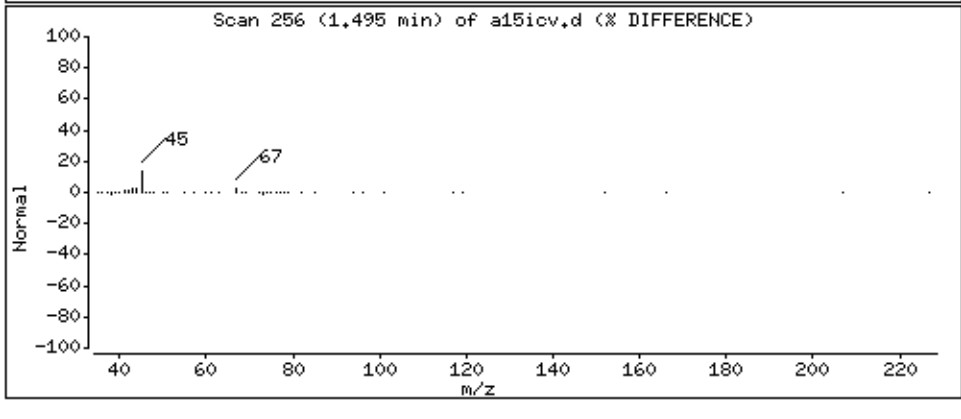
7 Diethyl ether

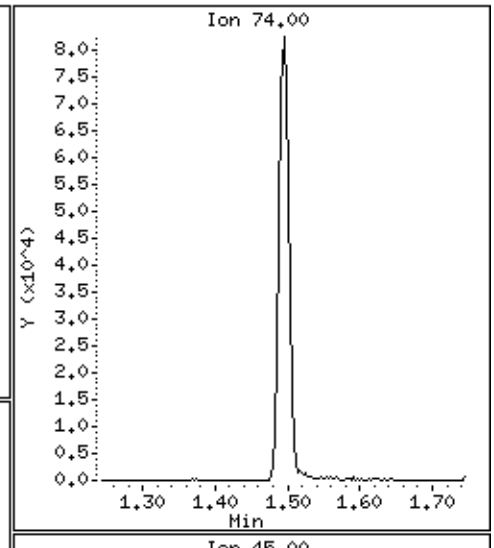
Concentration: 50.7 ppb

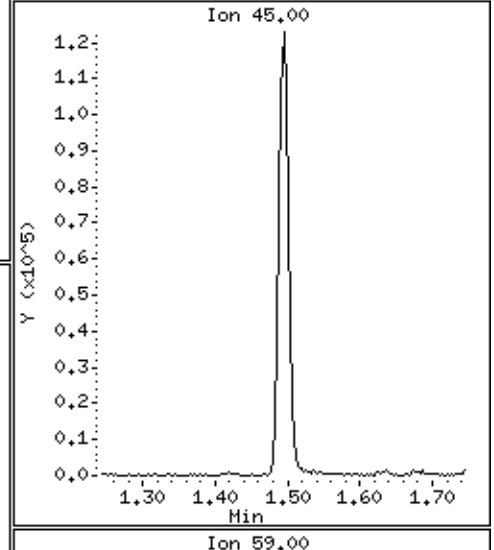


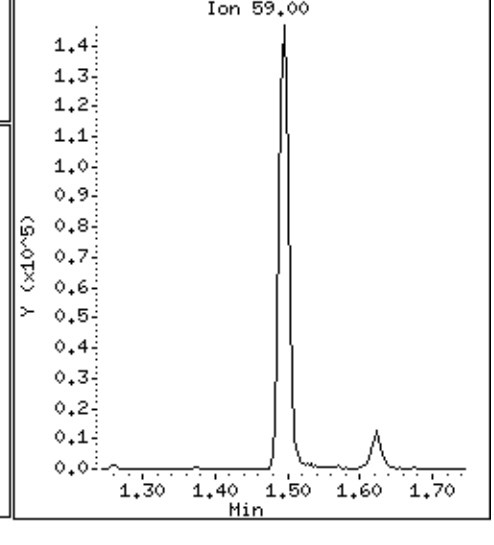












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

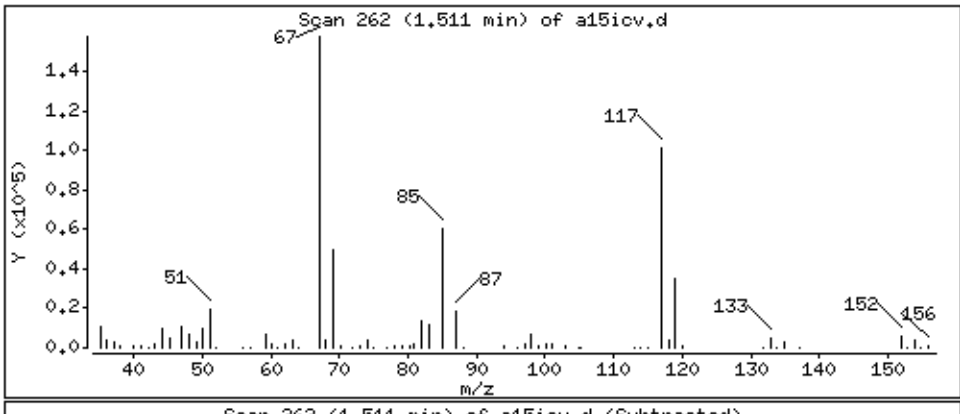
Operator: dae

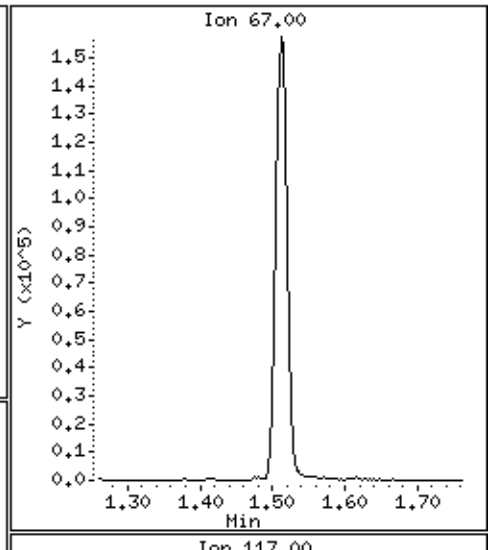
Column phase: DB-624

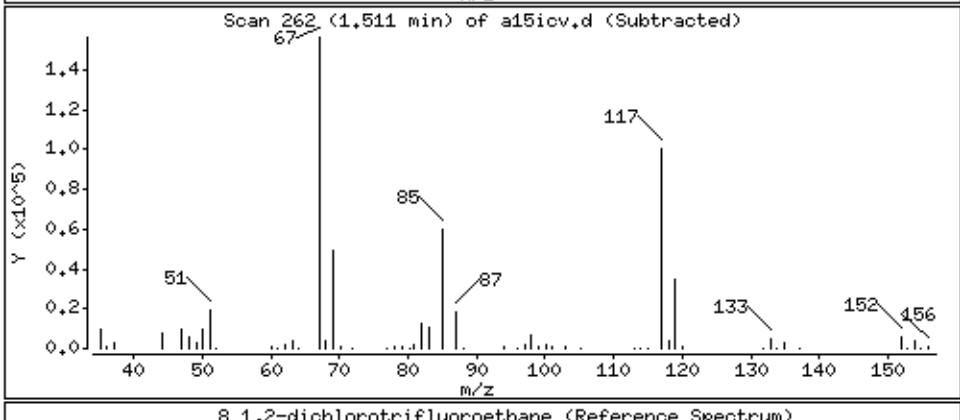
Column diameter: 0.18

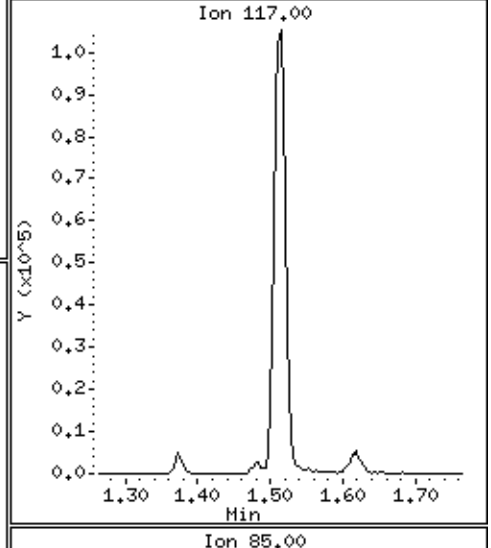
8 1,2-dichlorotrifluoroethane

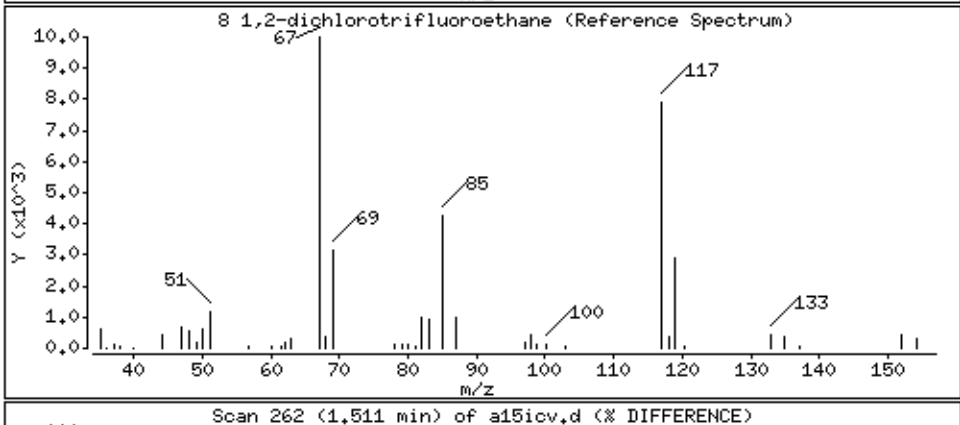
Concentration: 46.7 ppb

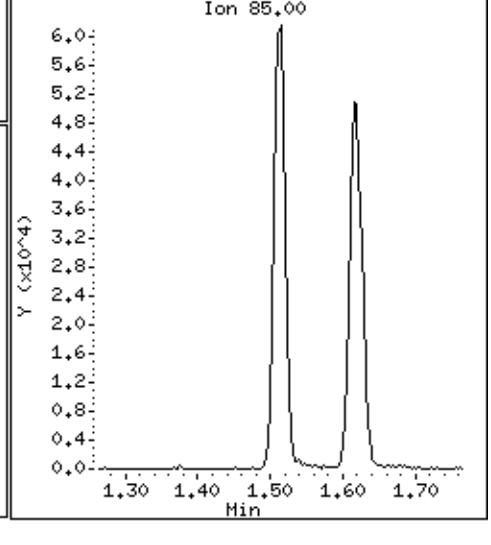


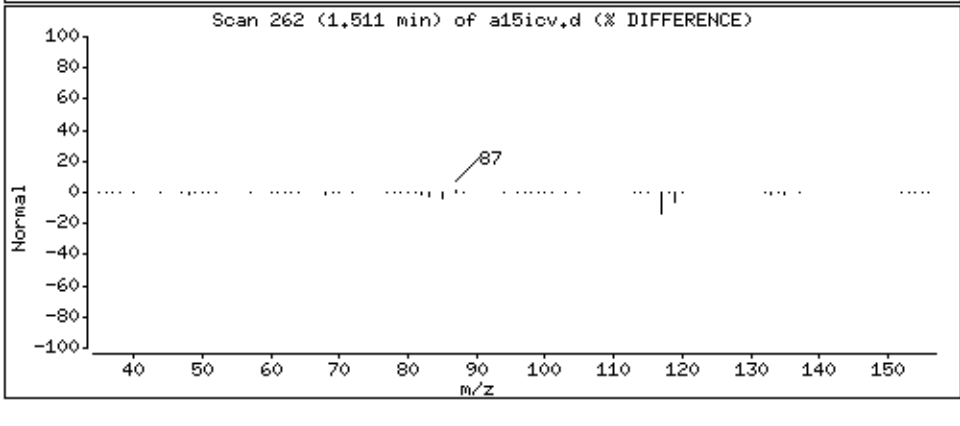












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

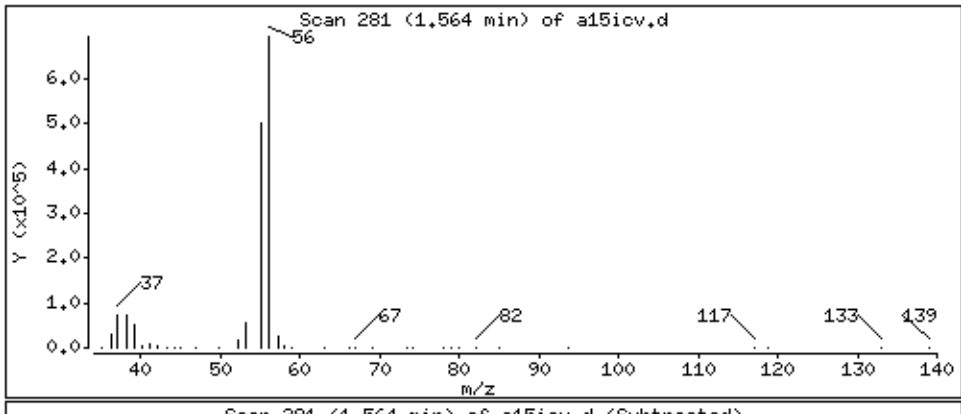
Operator: dae

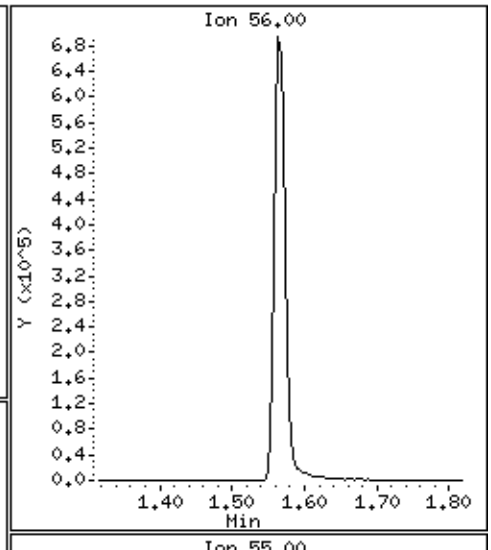
Column phase: DB-624

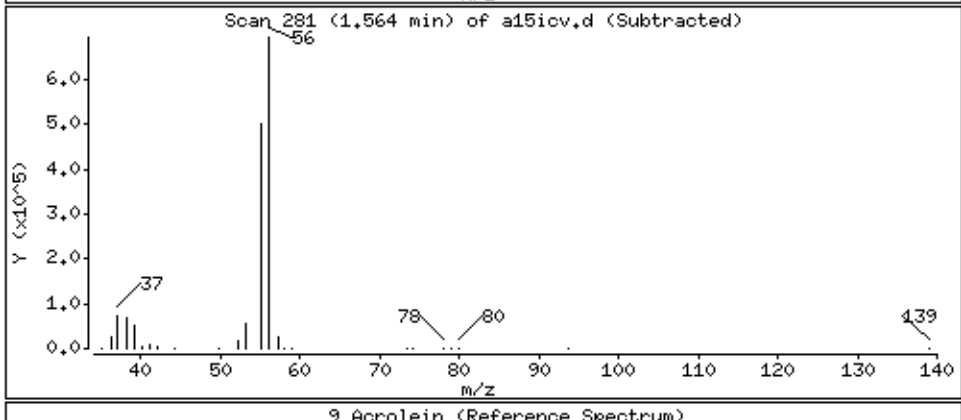
Column diameter: 0.18

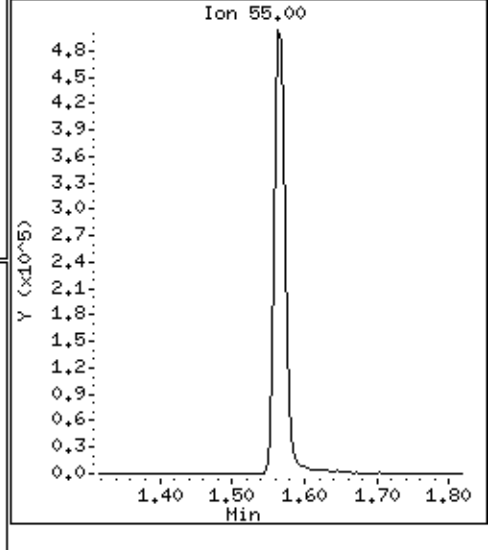
9 Acrolein

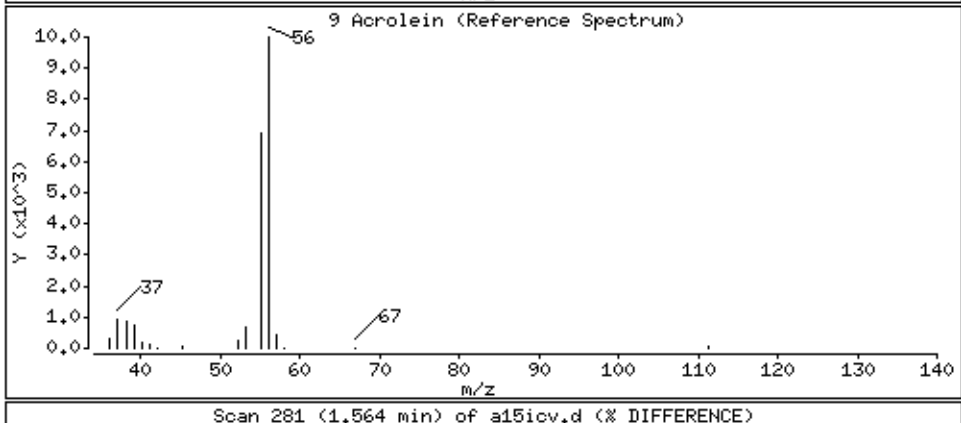
Concentration: 1460 ppb

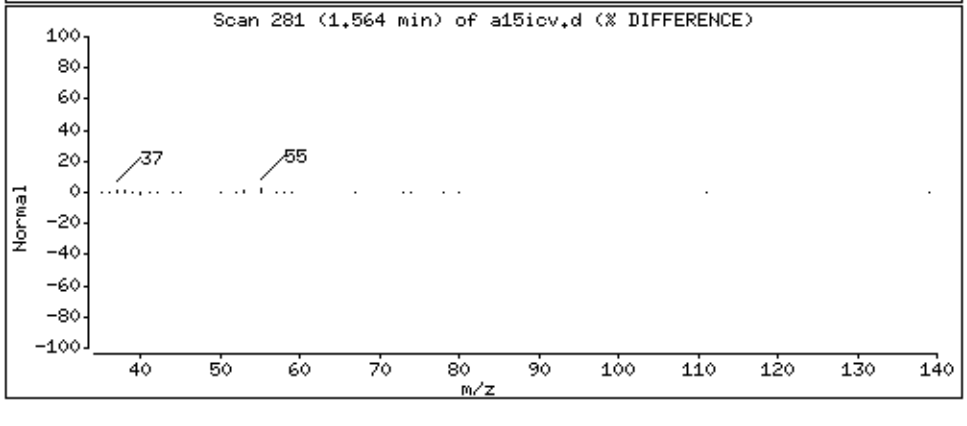












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

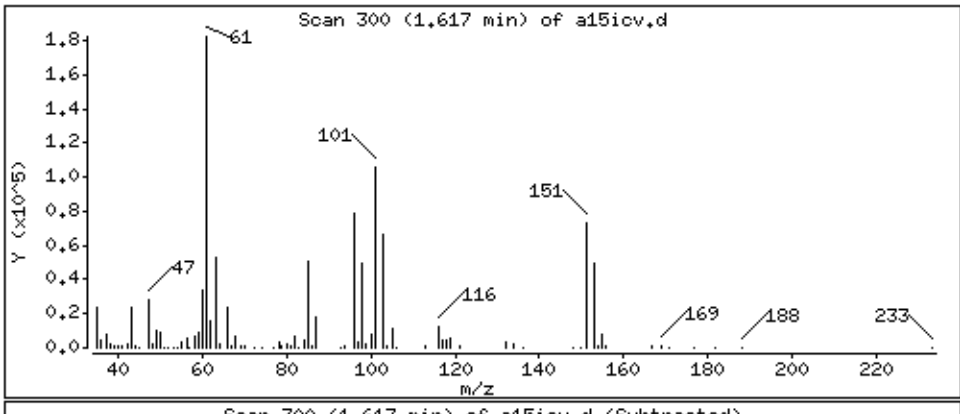
Operator: dae

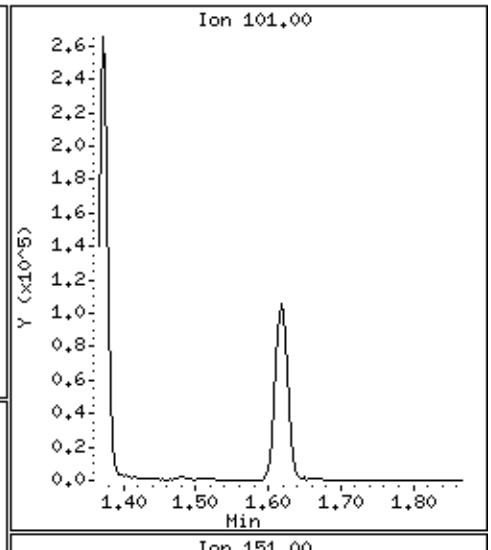
Column phase: DB-624

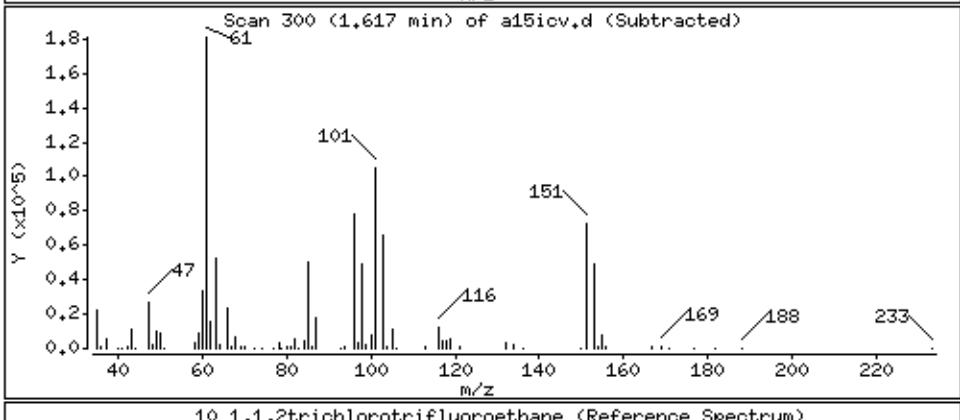
Column diameter: 0.18

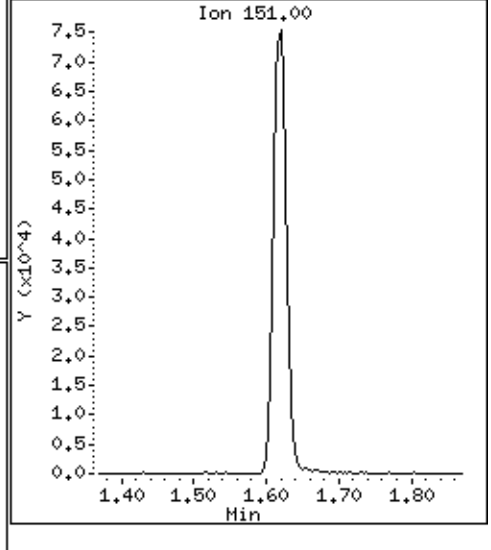
10 1,1,2trichlorotrifluoroethane

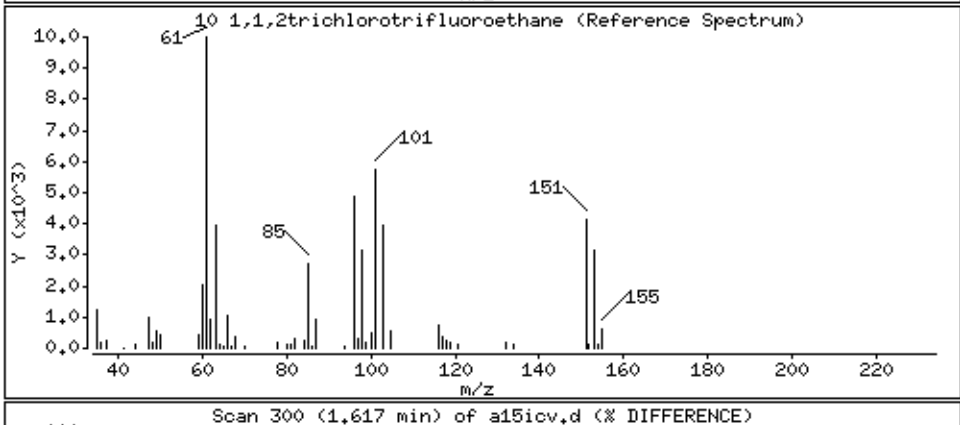
Concentration: 49.3 ppb

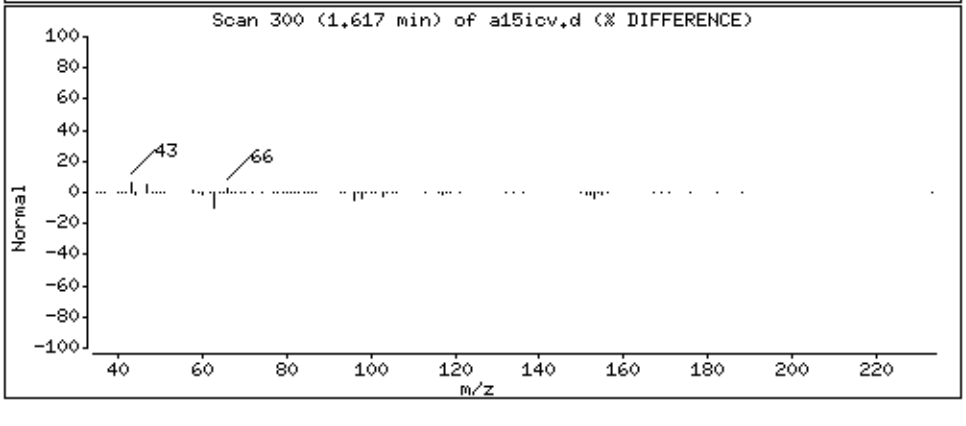












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

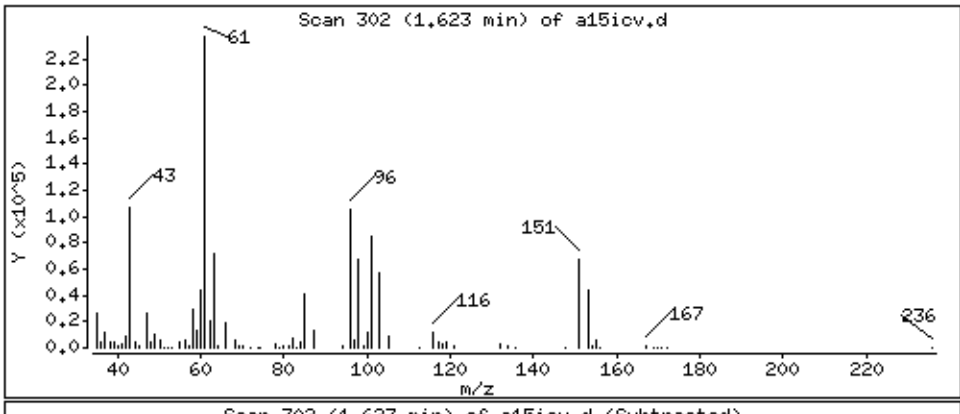
Operator: dae

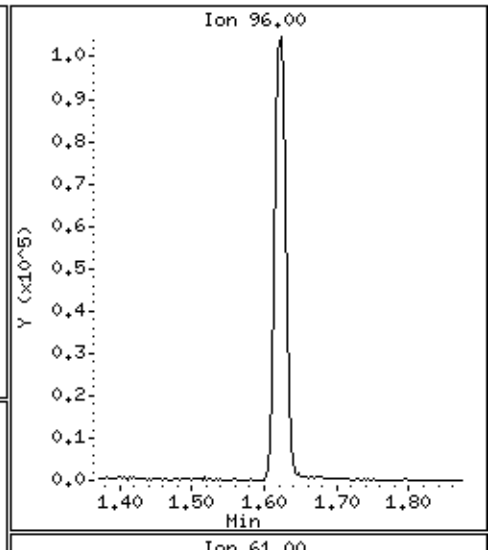
Column phase: DB-624

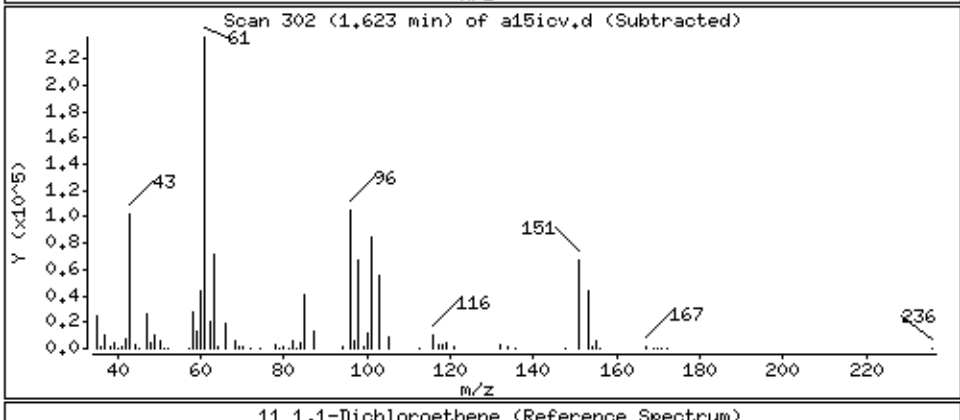
Column diameter: 0.18

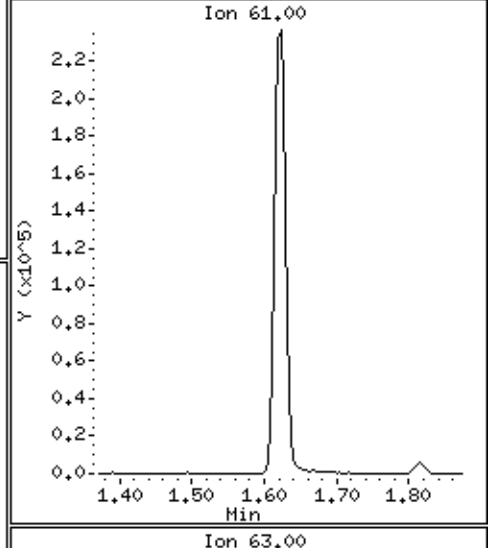
11 1,1-Dichloroethene

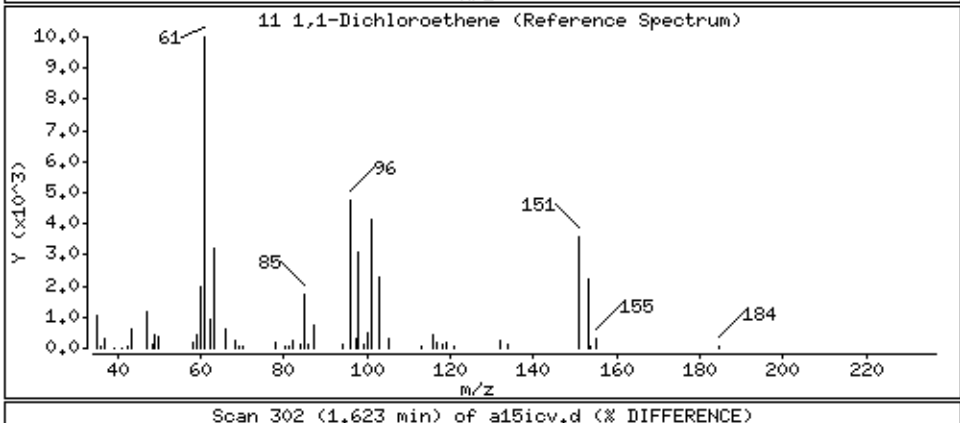
Concentration: 47.0 ppb

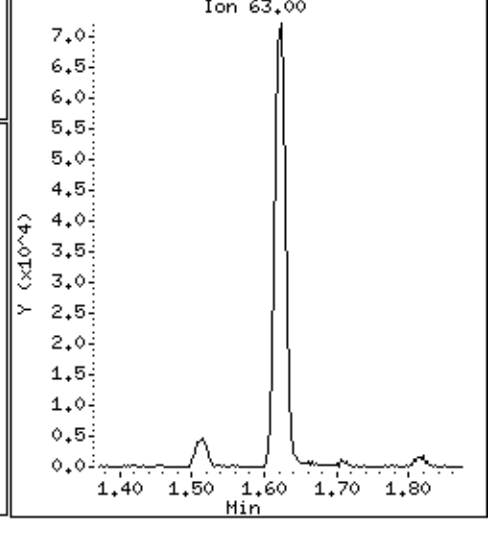


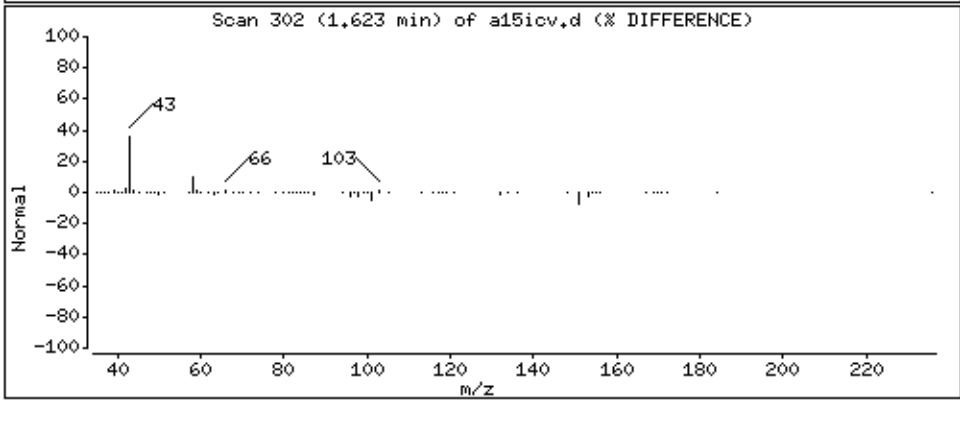












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

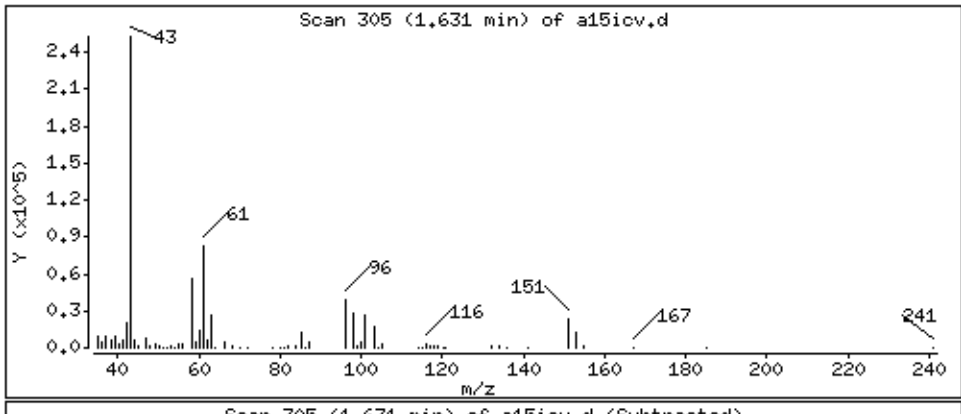
Operator: dae

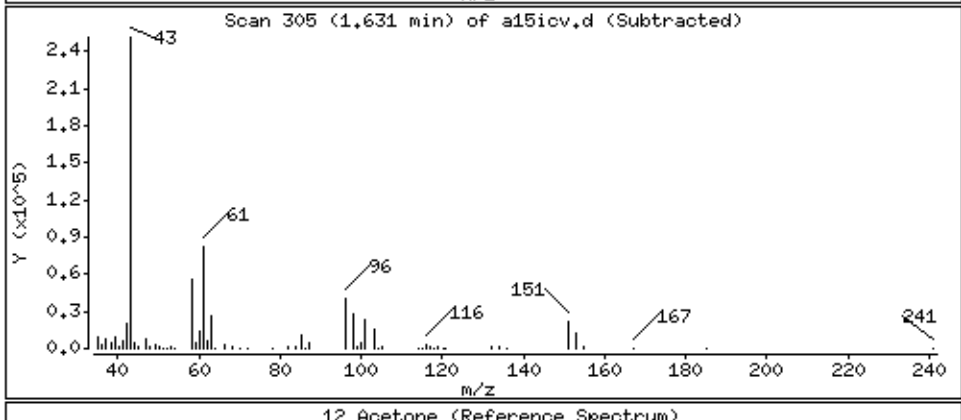
Column phase: DB-624

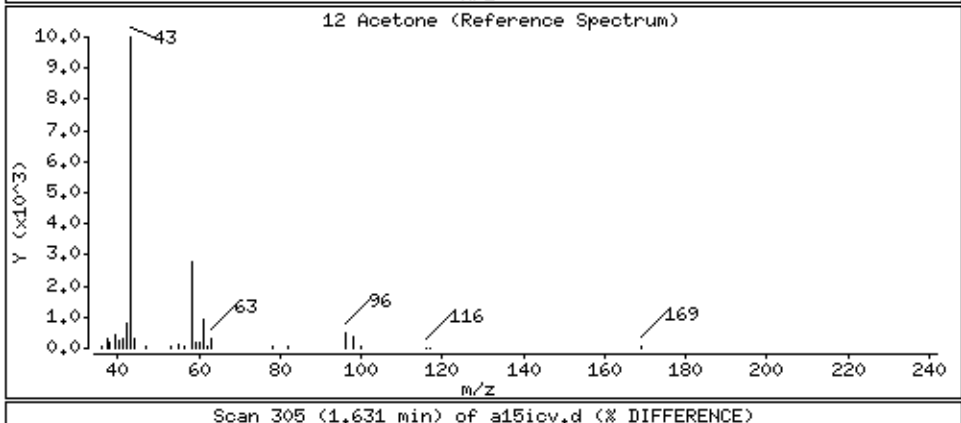
Column diameter: 0.18

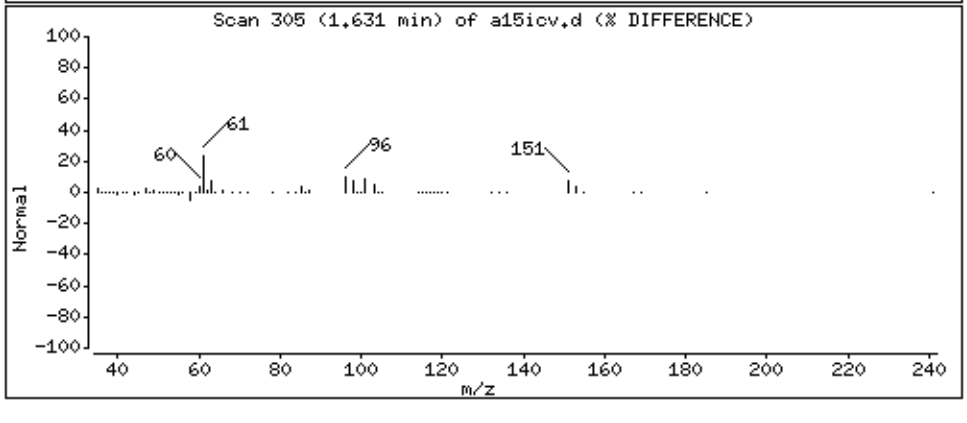
12 Acetone

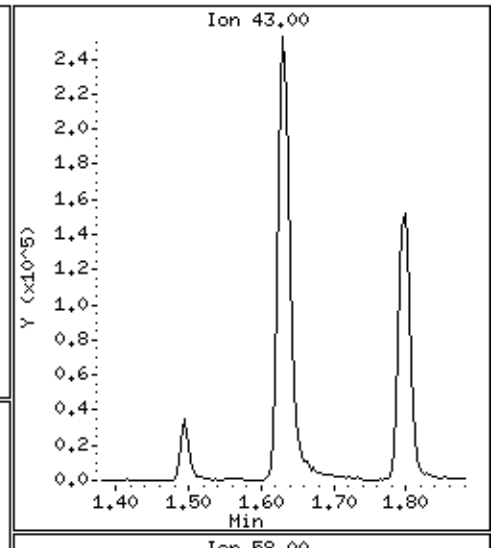
Concentration: 249 ppb

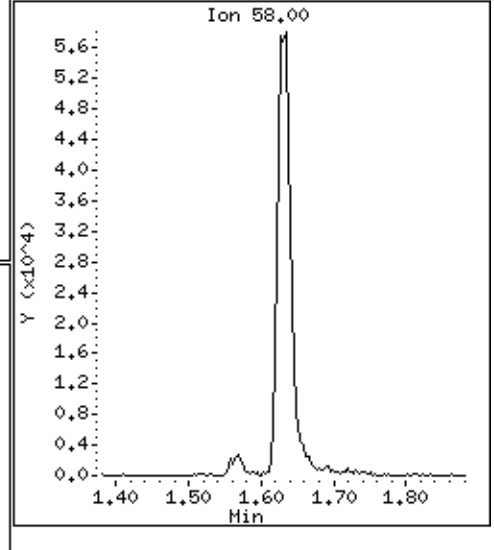












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

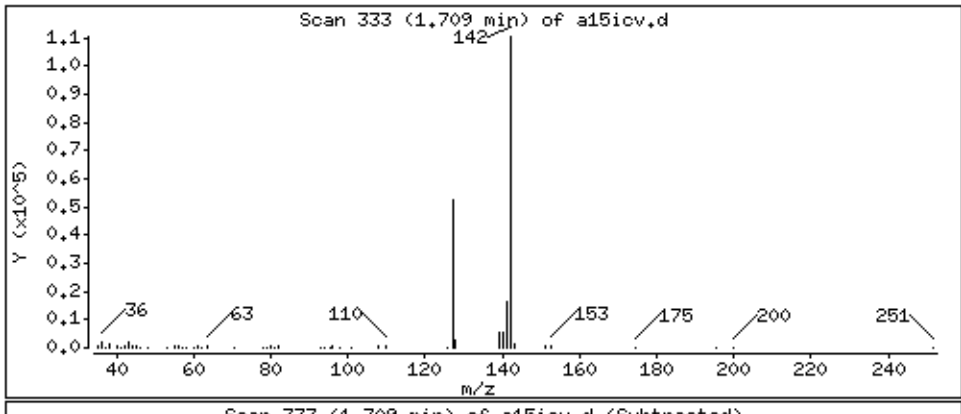
Operator: dae

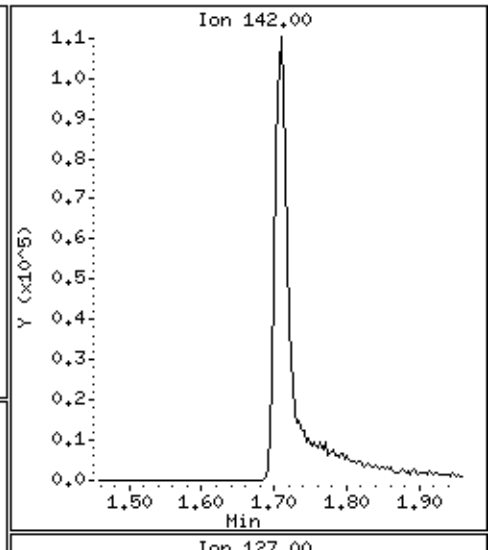
Column phase: DB-624

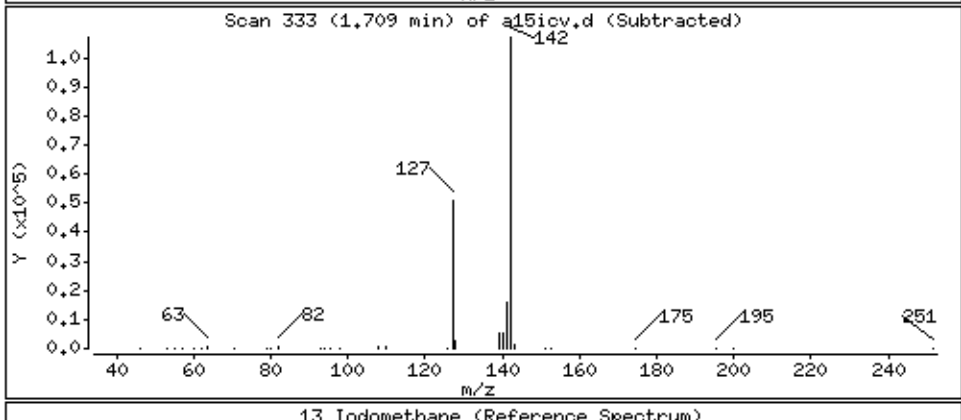
Column diameter: 0.18

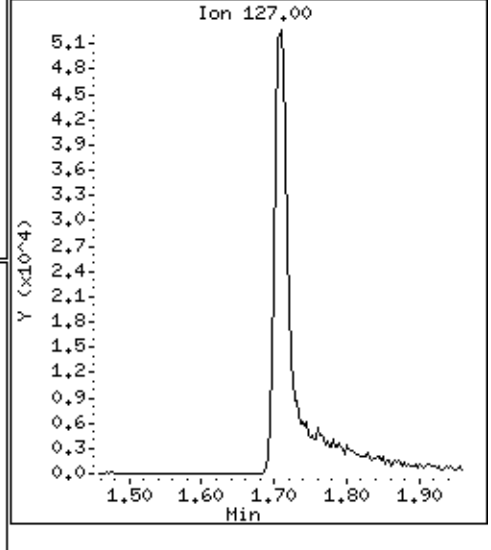
13 Iodomethane

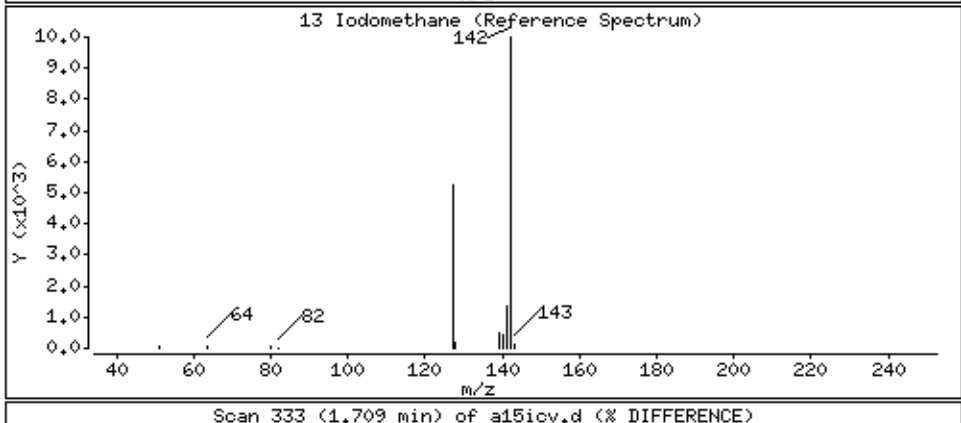
Concentration: 84.2 ppb

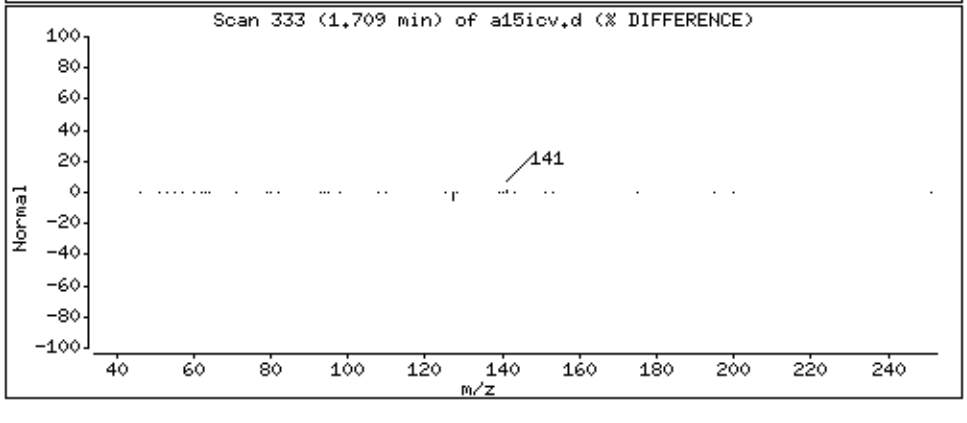












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

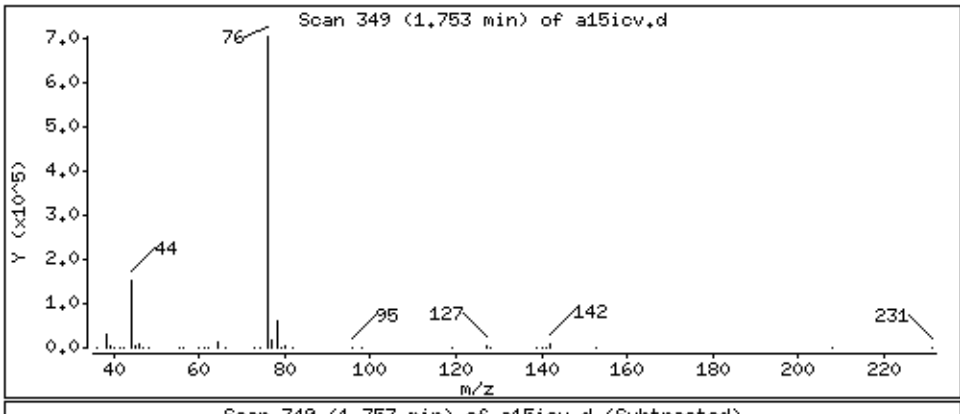
Operator: dae

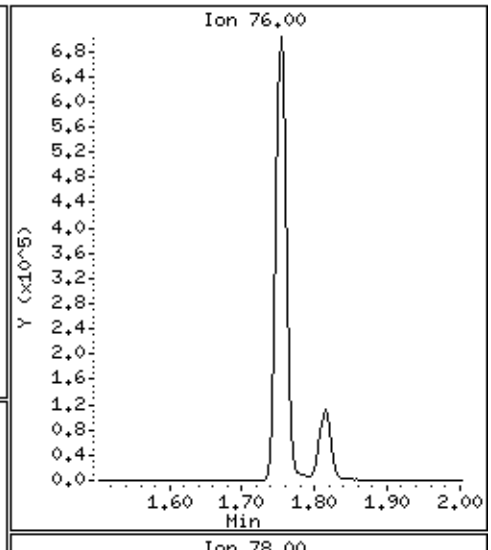
Column phase: DB-624

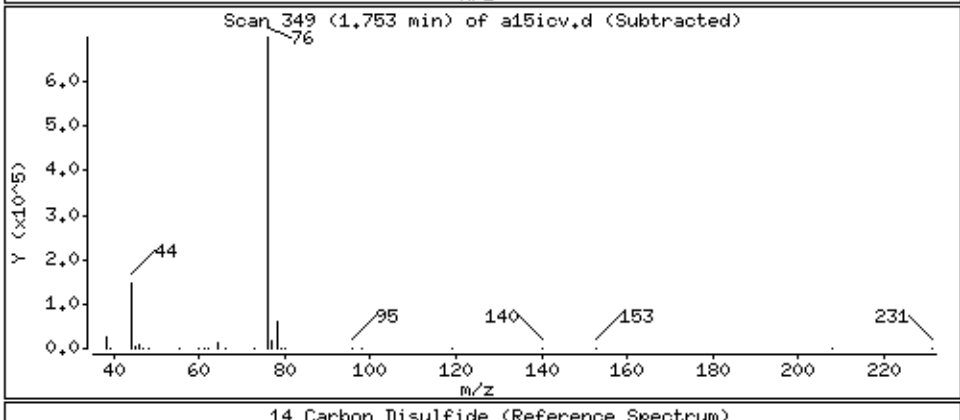
Column diameter: 0.18

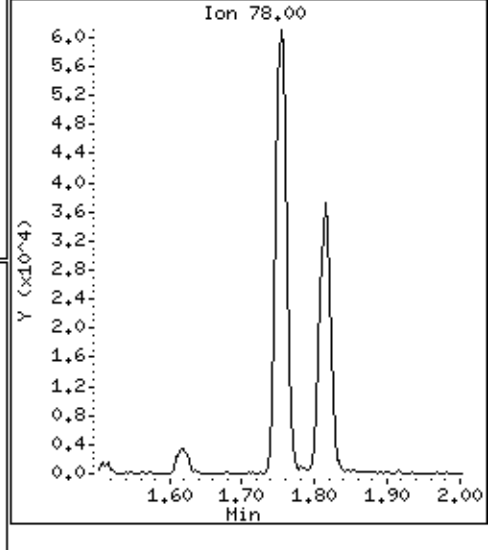
14 Carbon Disulfide

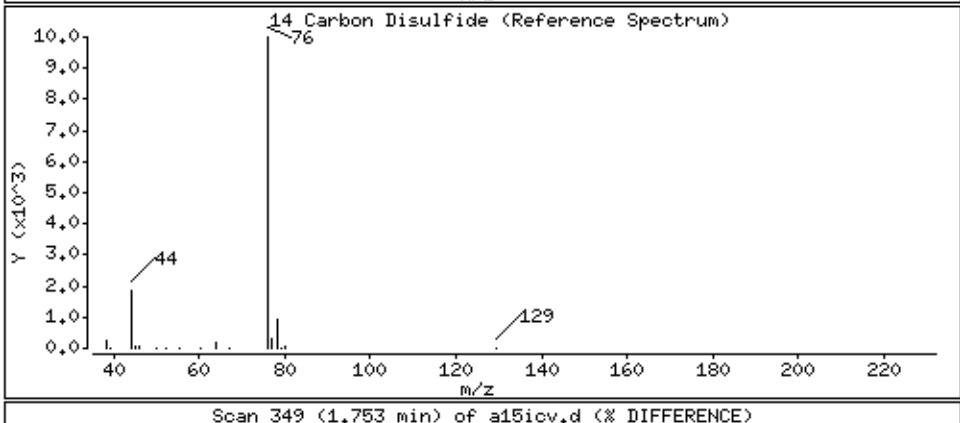
Concentration: 102 ppb

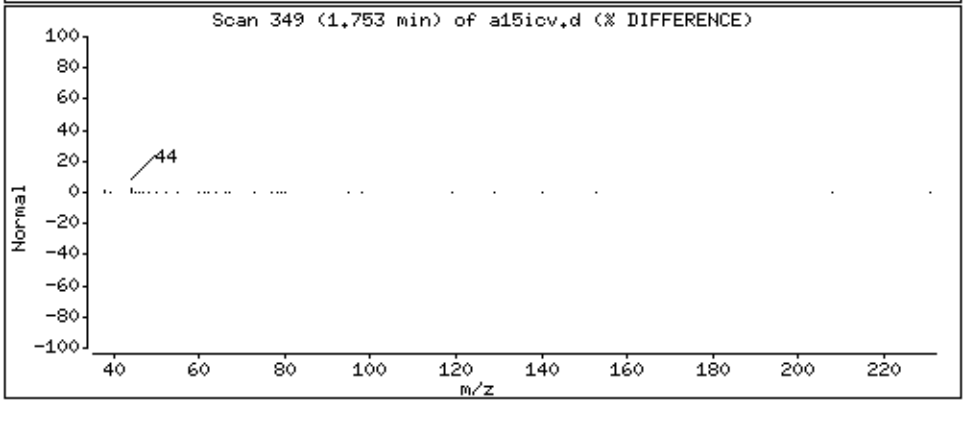












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

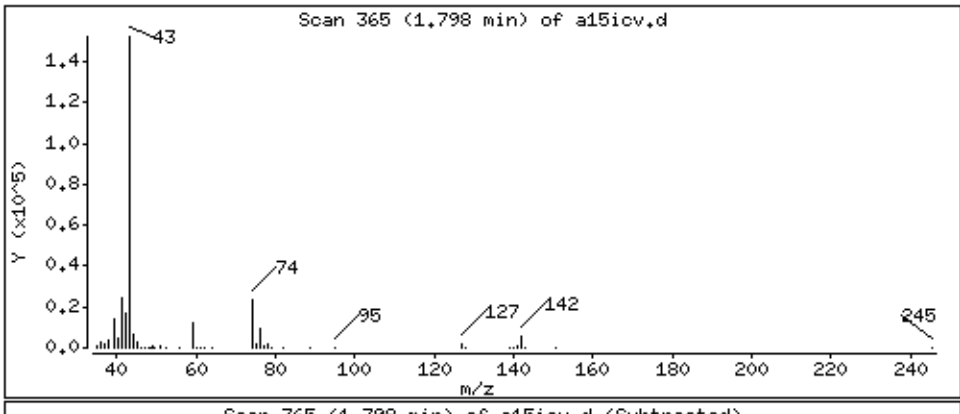
Operator: dae

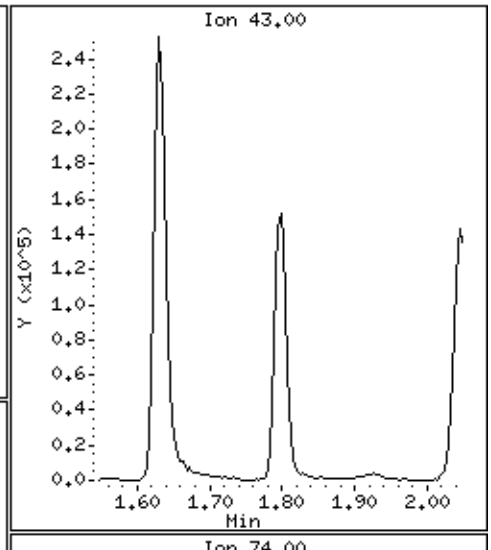
Column phase: DB-624

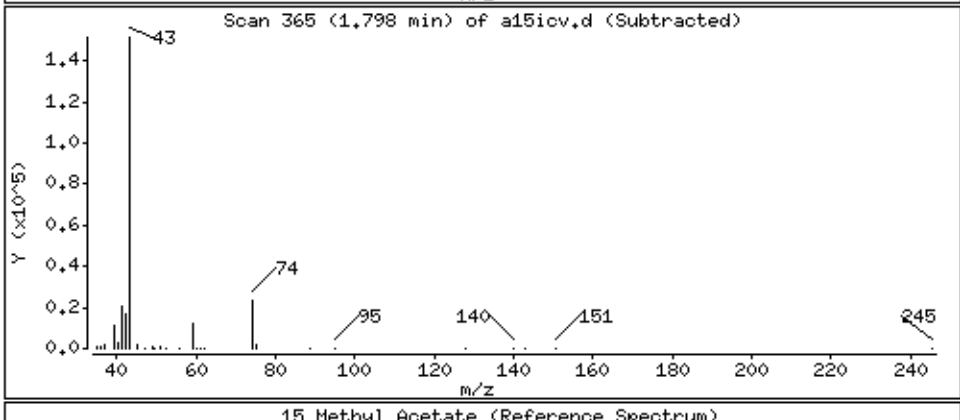
Column diameter: 0.18

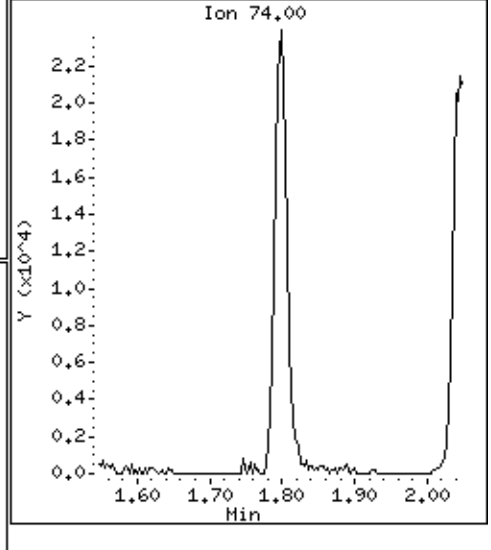
15 Methyl Acetate

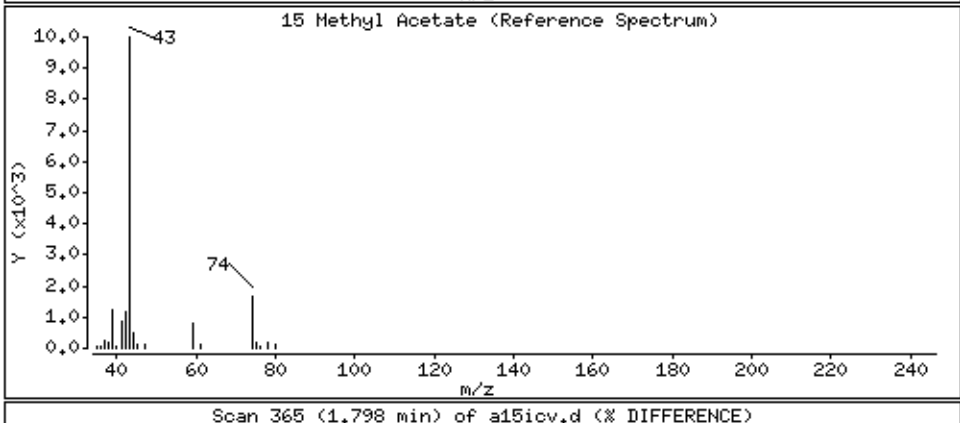
Concentration: 51.6 ppb

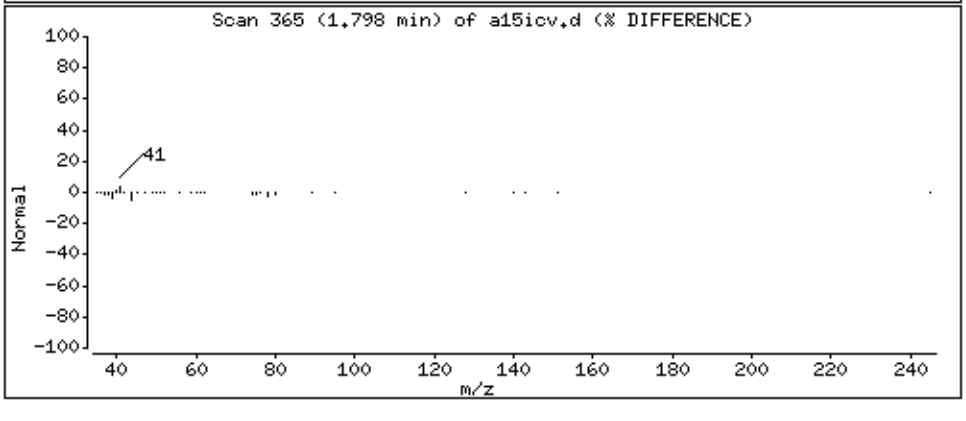












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

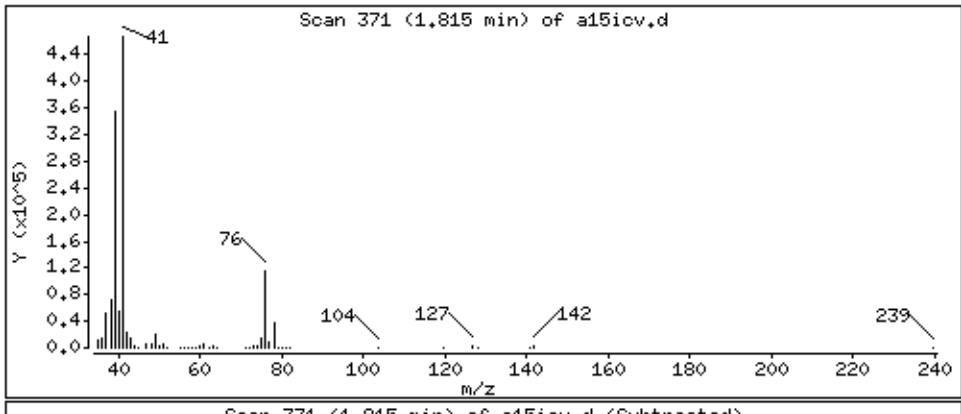
Operator: dae

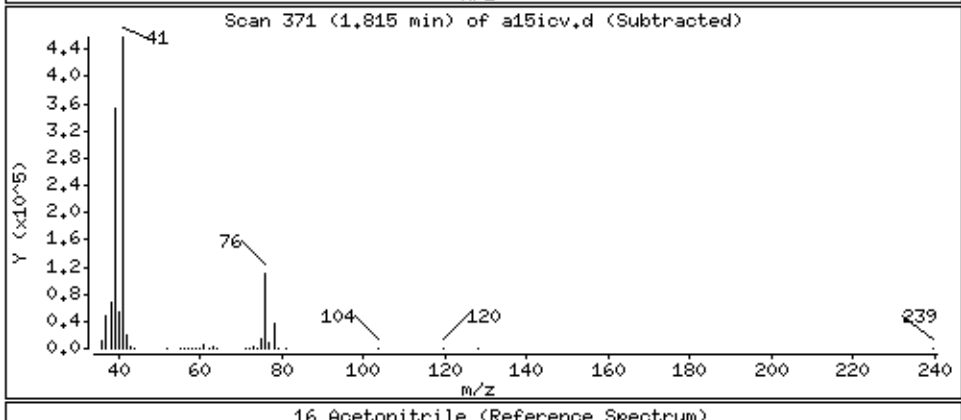
Column phase: DB-624

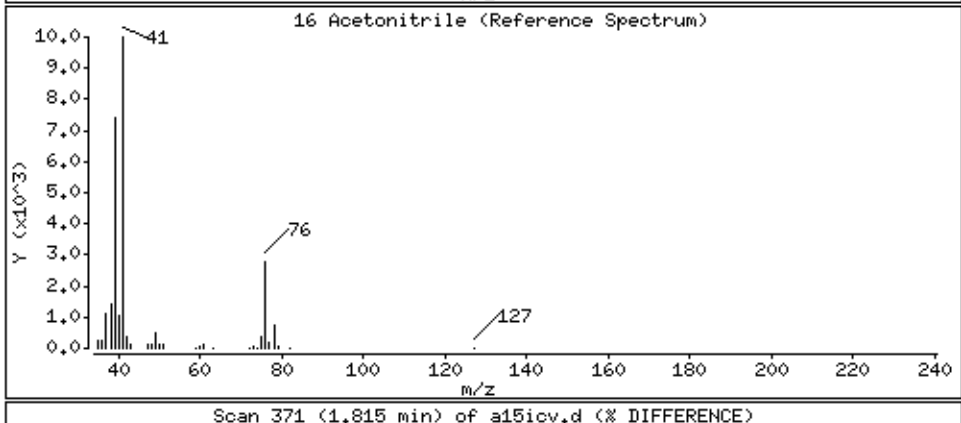
Column diameter: 0.18

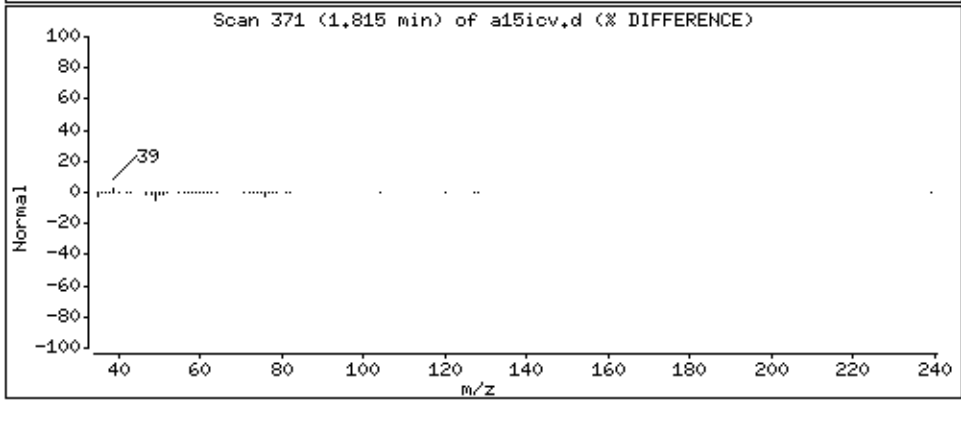
16 Acetonitrile

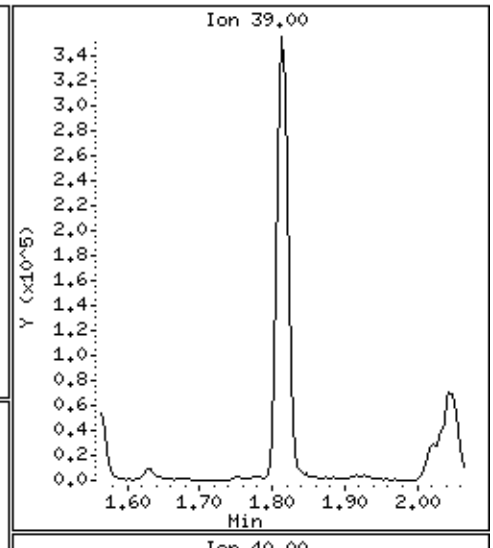
Concentration: 46.4 ppb

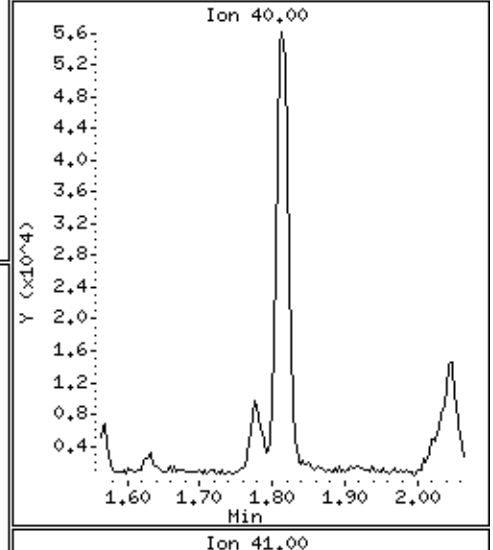


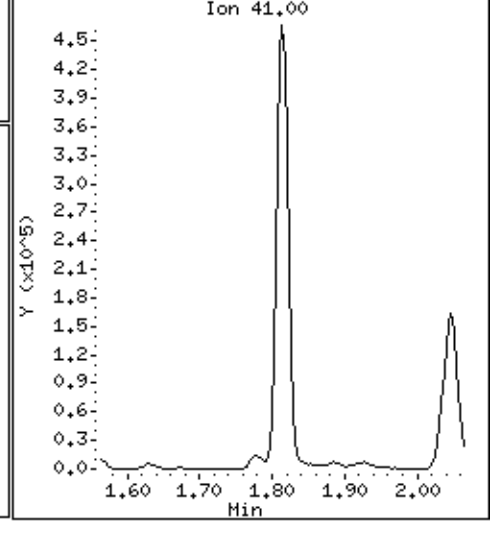












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

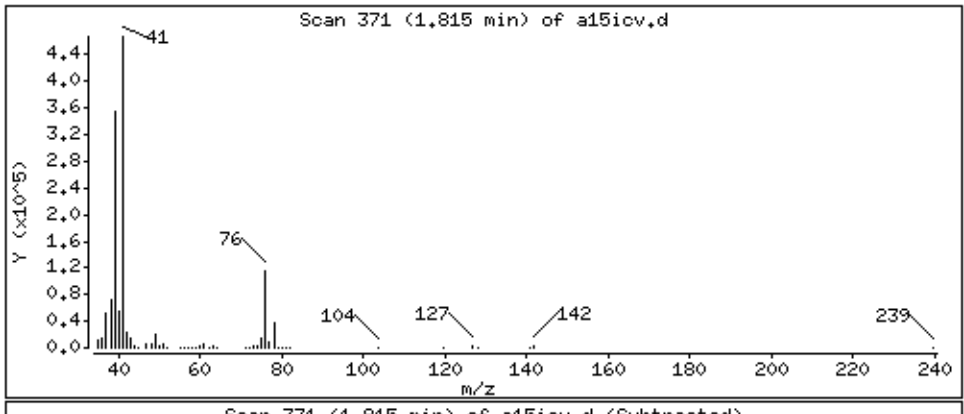
Operator: dae

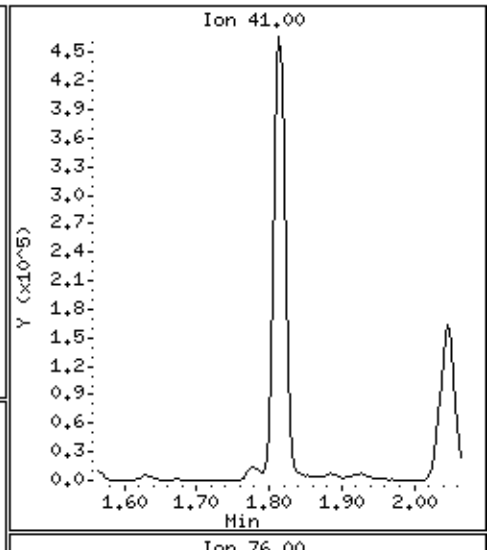
Column phase: DB-624

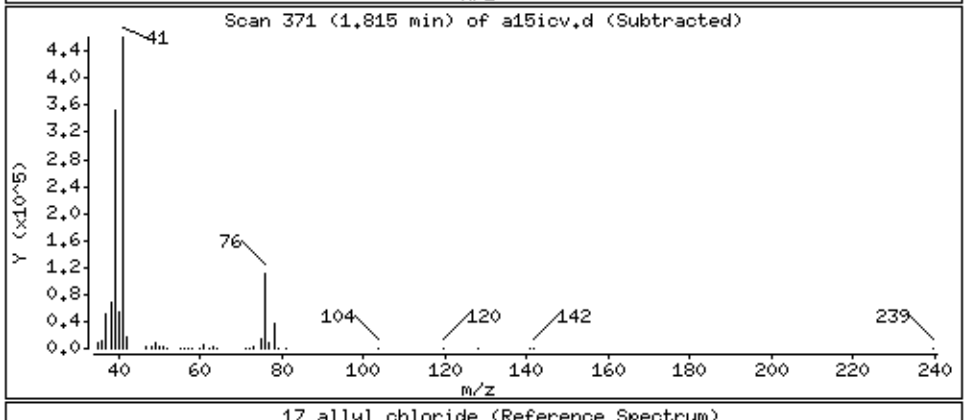
Column diameter: 0.18

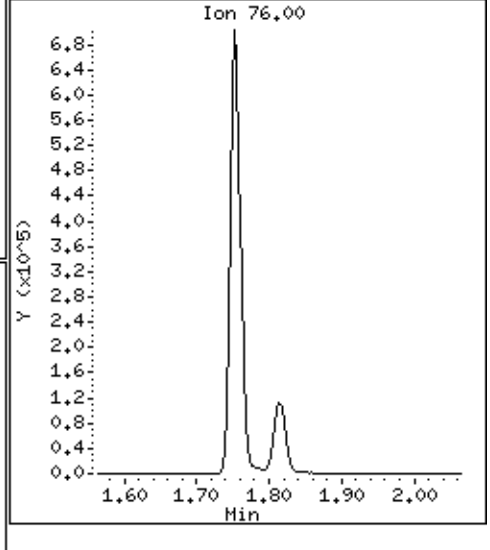
17 allyl chloride

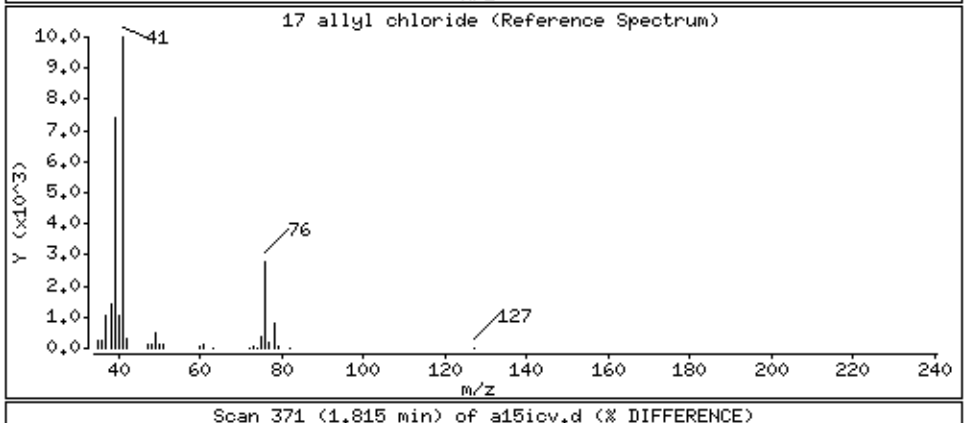
Concentration: 95.4 ppb

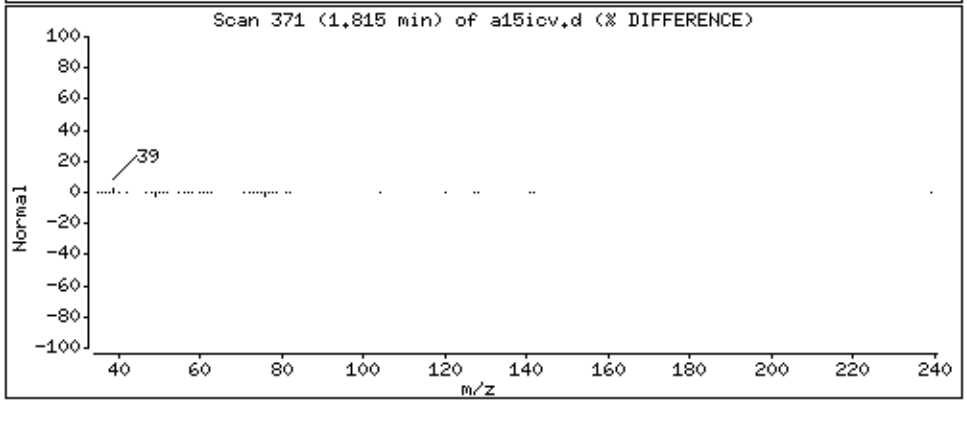












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

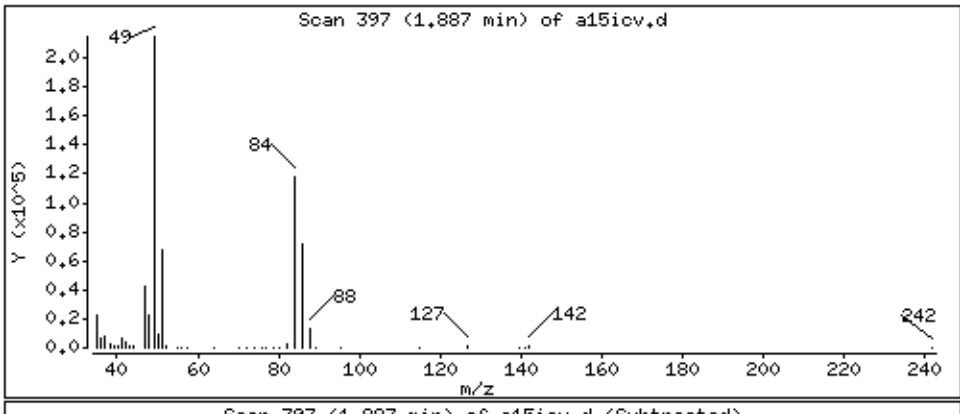
Operator: dae

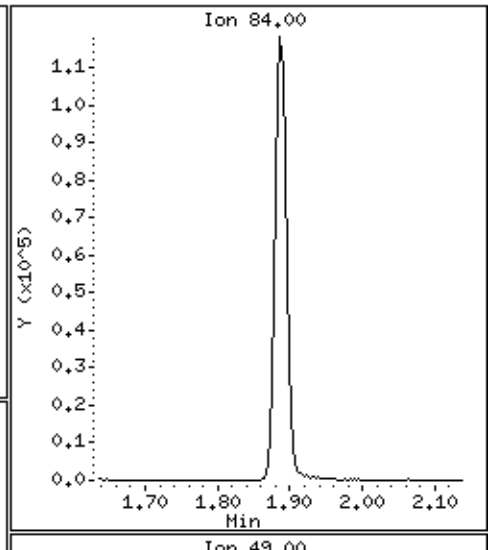
Column phase: DB-624

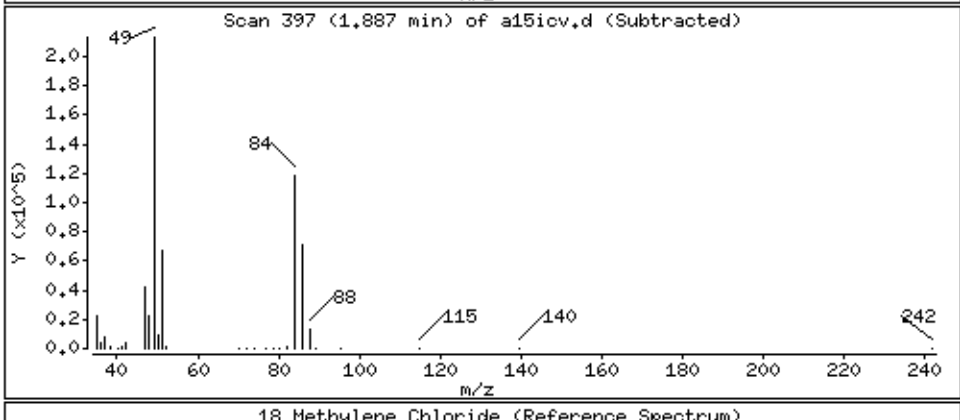
Column diameter: 0.18

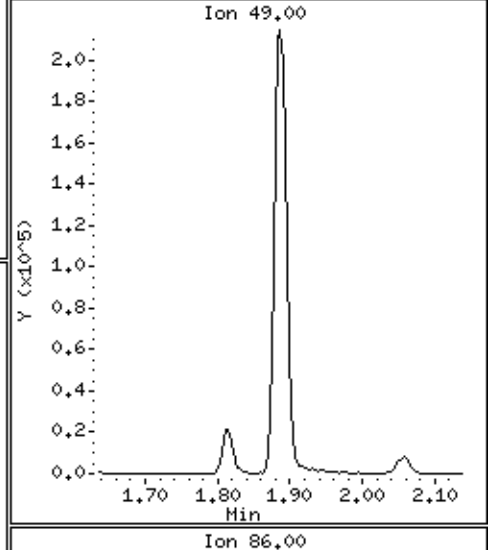
18 Methylene Chloride

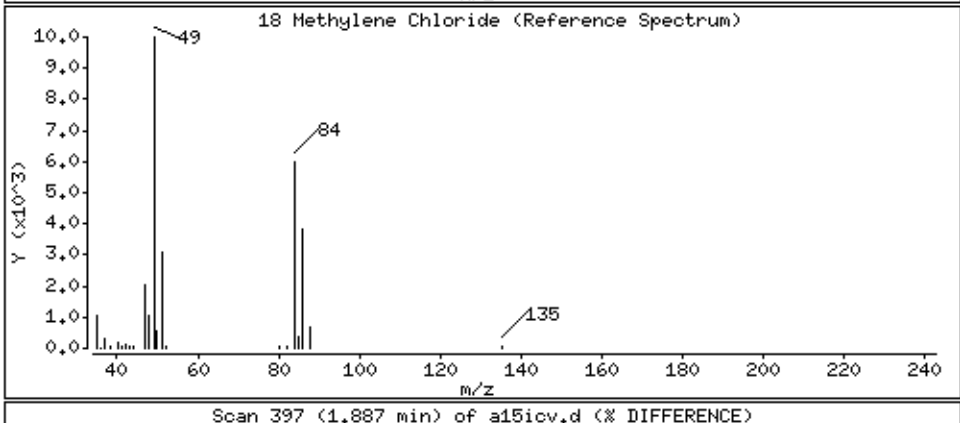
Concentration: 49.9 ppb

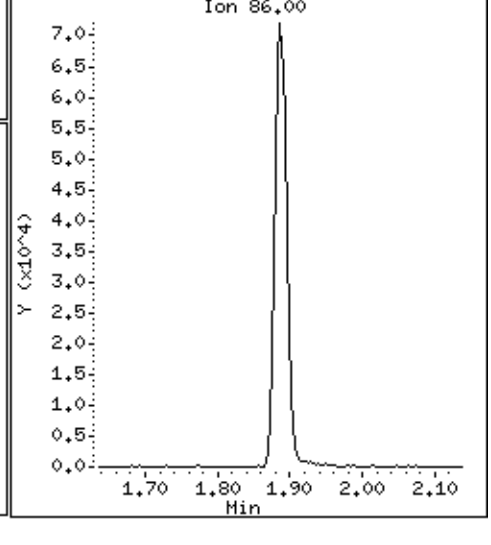


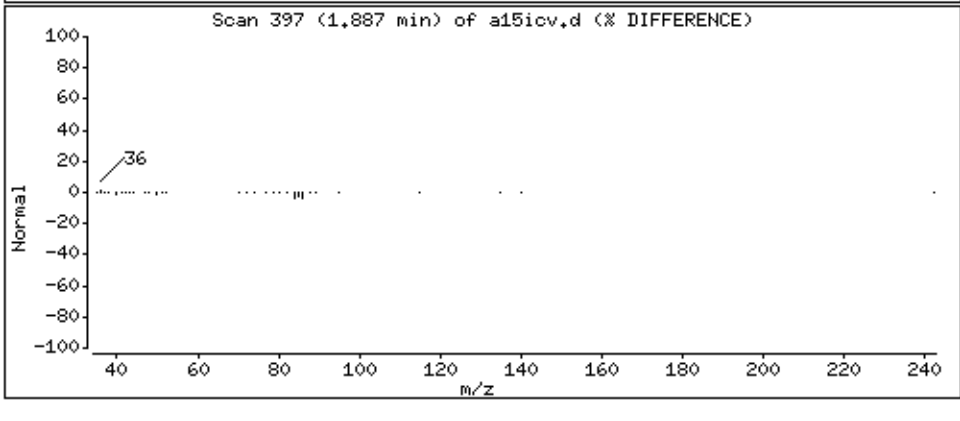












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

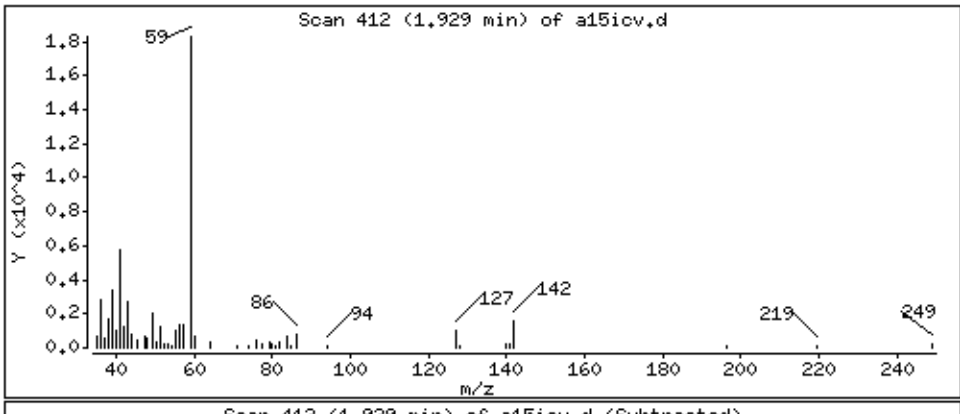
Operator: dae

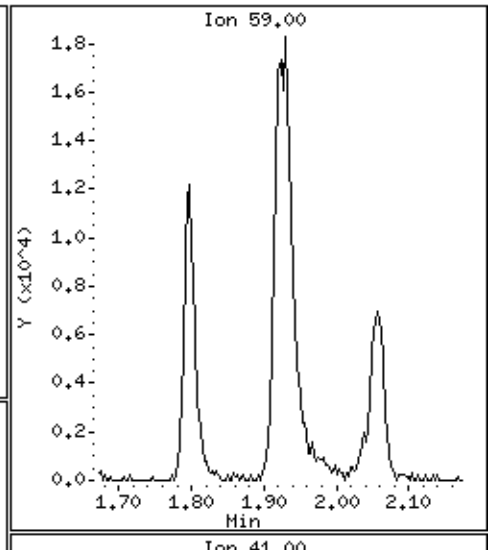
Column phase: DB-624

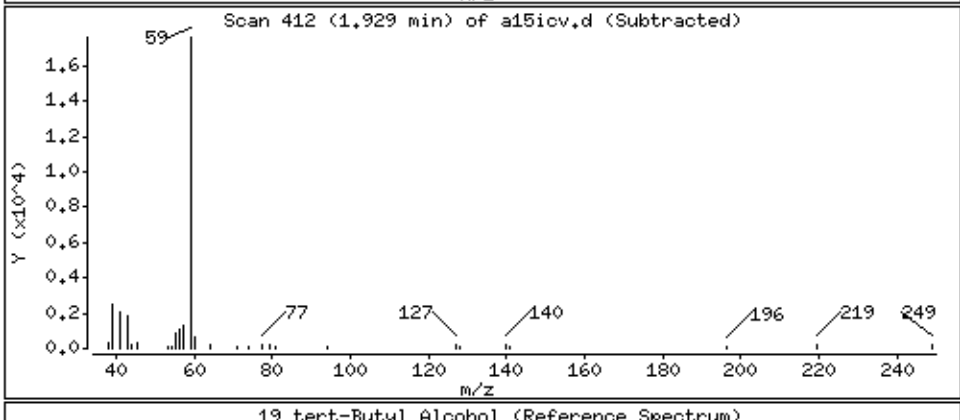
Column diameter: 0.18

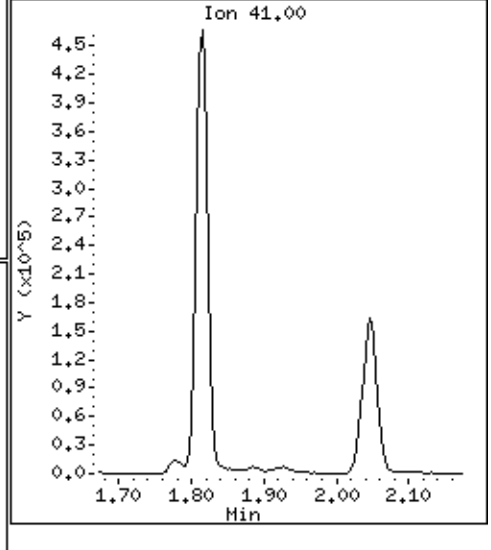
19 tert-Butyl Alcohol

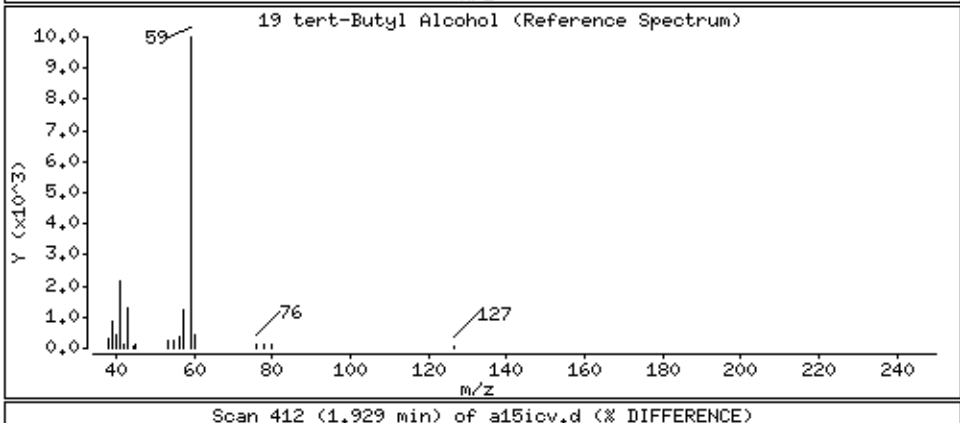
Concentration: 97.3 ppb

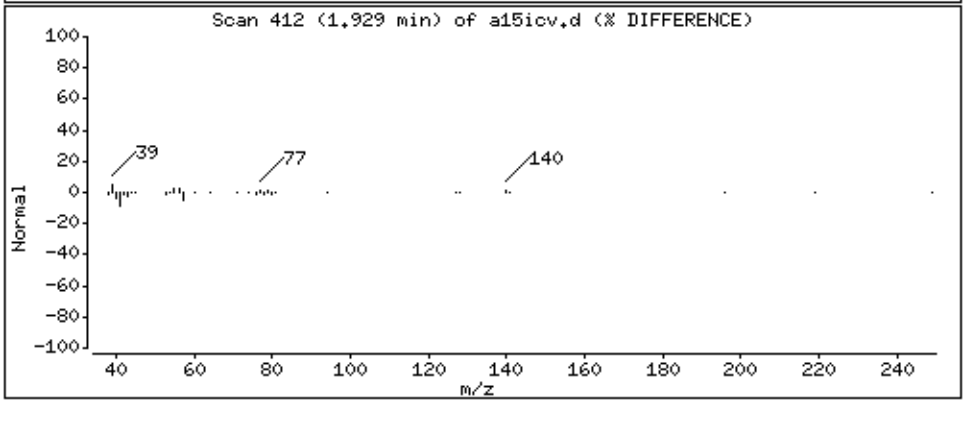












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

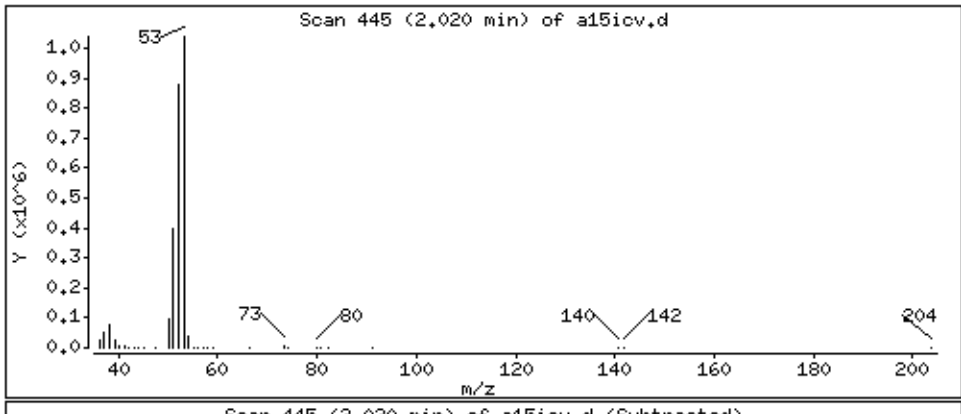
Operator: dae

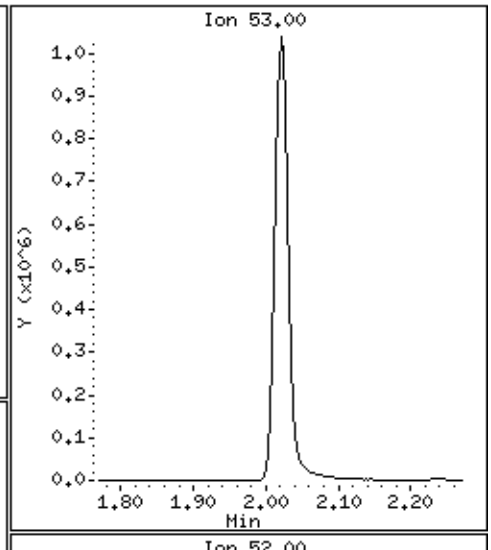
Column phase: DB-624

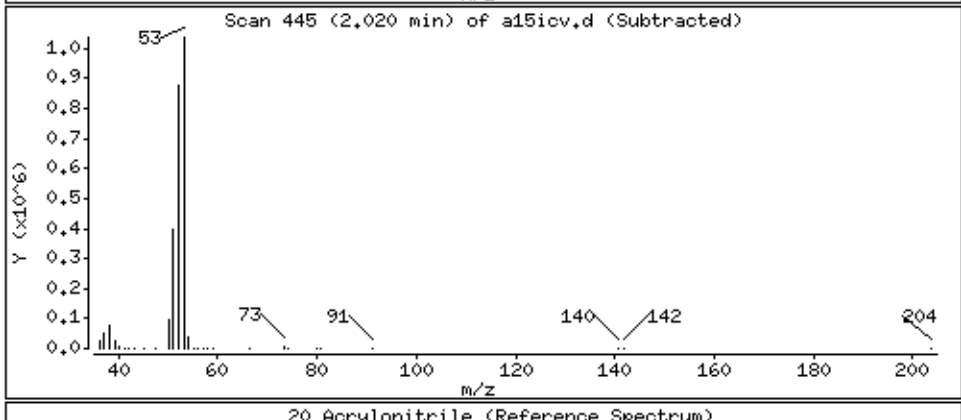
Column diameter: 0.18

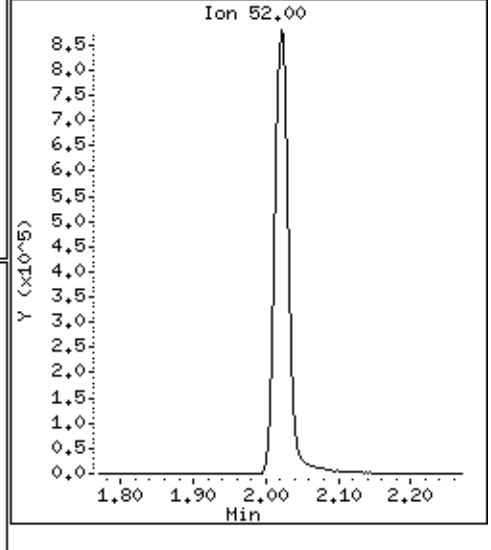
20 Acrylonitrile

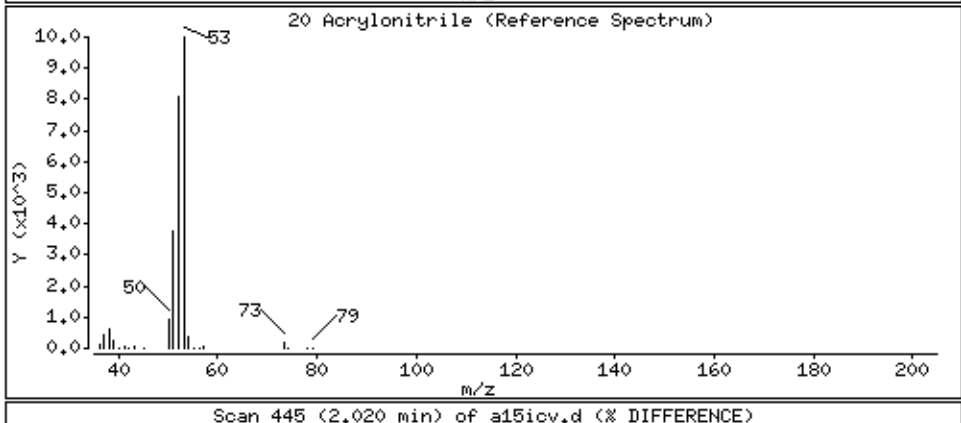
Concentration: 941 ppb

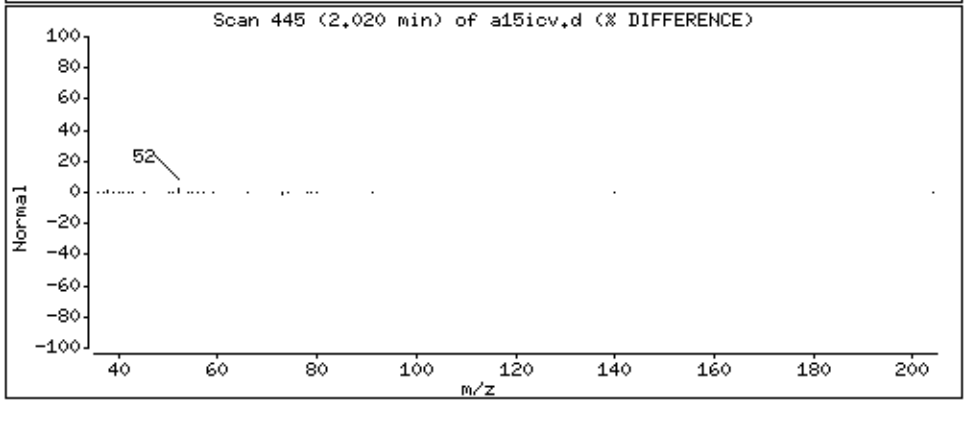












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

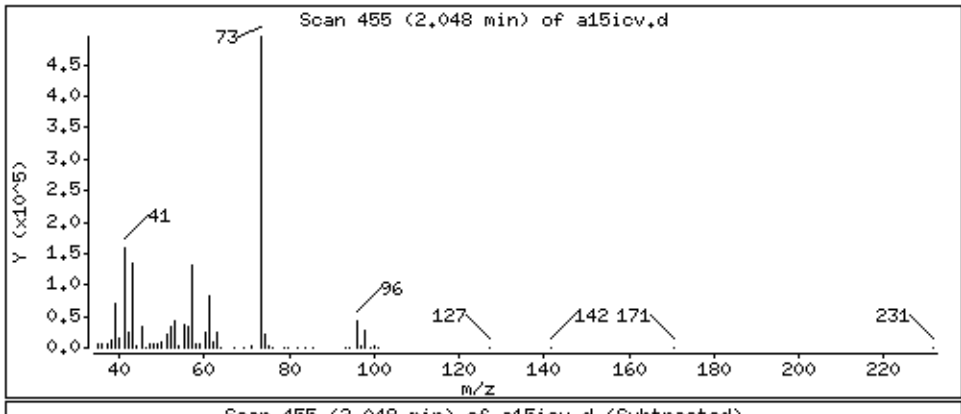
Operator: dae

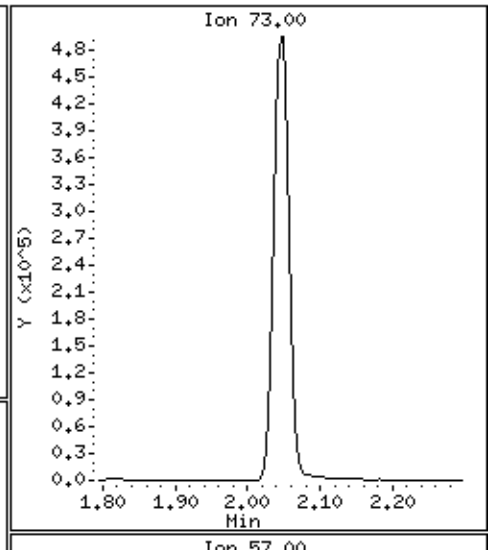
Column phase: DB-624

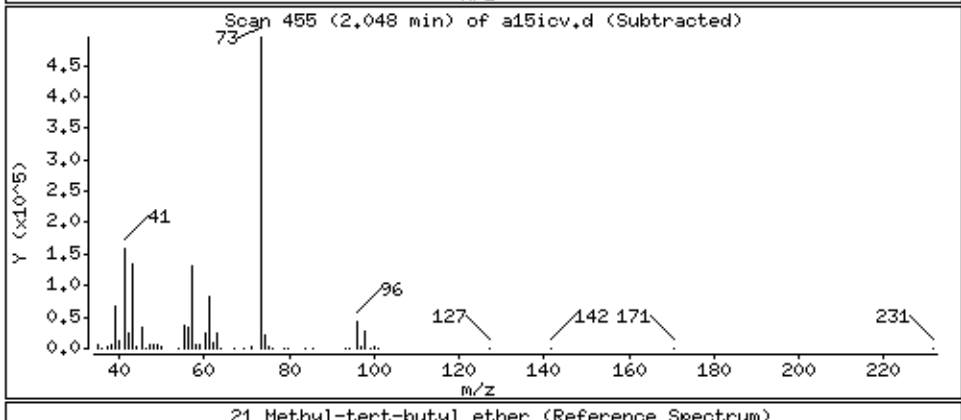
Column diameter: 0.18

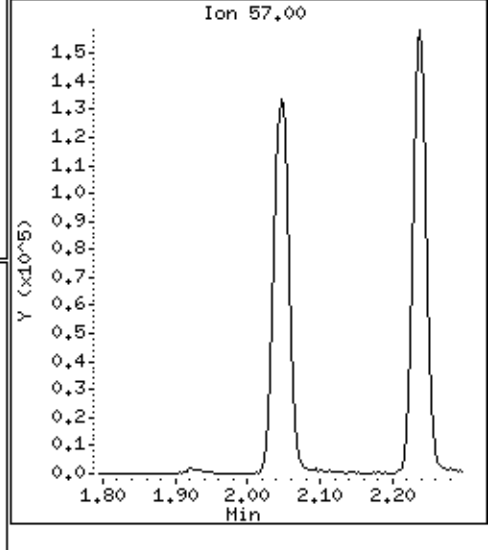
21 Methyl-tert-butyl ether

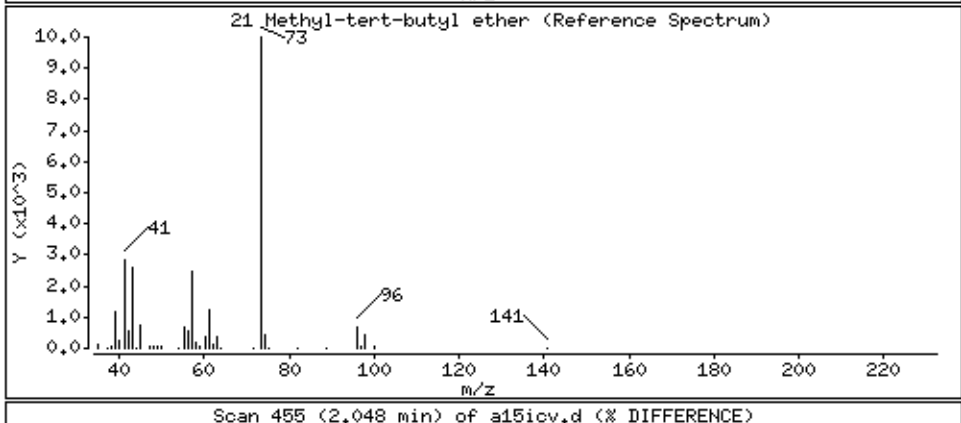
Concentration: 97.5 ppb

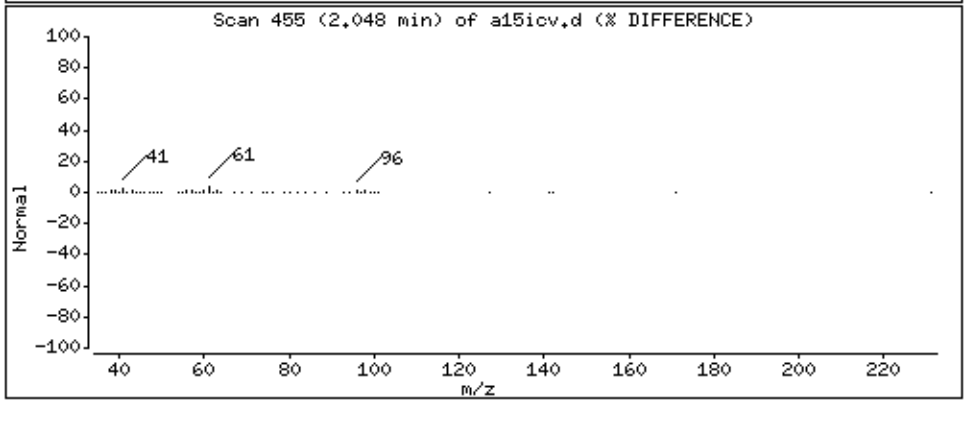












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

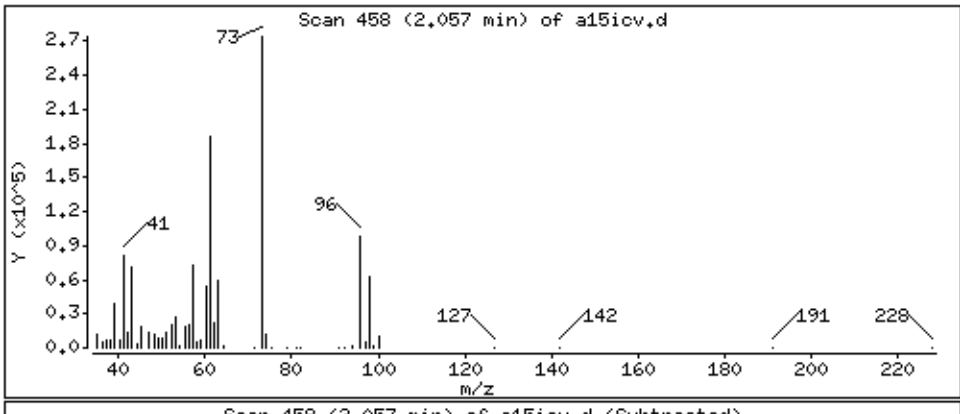
Operator: dae

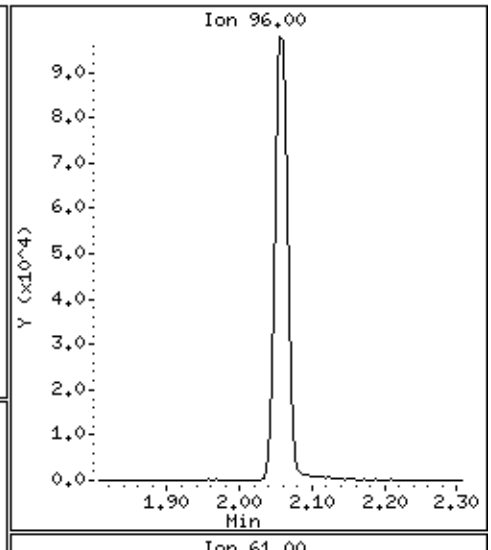
Column phase: DB-624

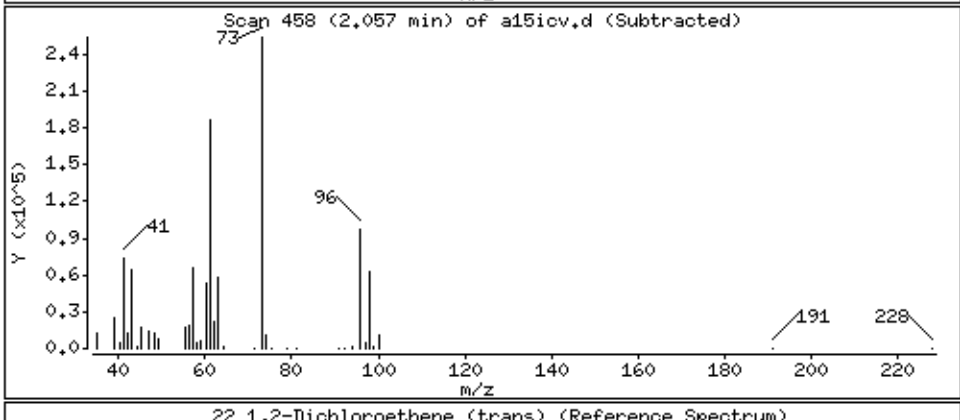
Column diameter: 0.18

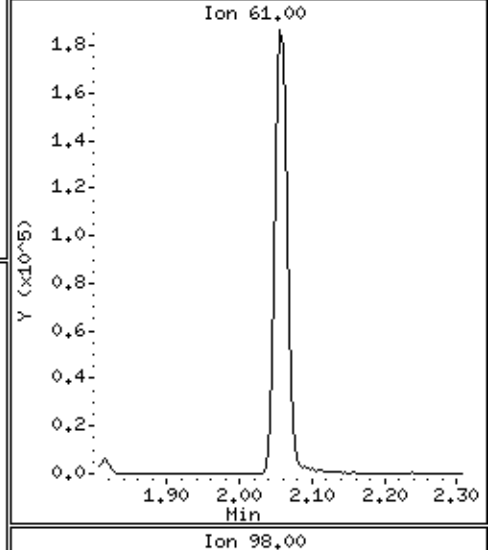
22 1,2-Dichloroethene (trans)

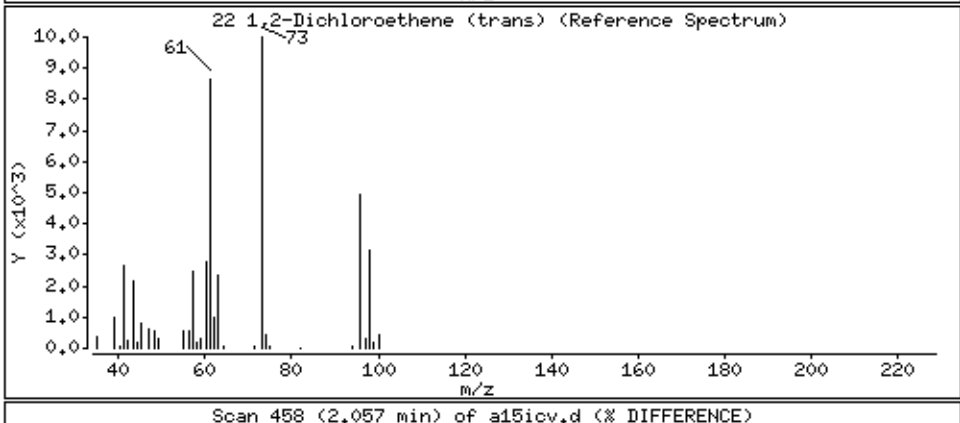
Concentration: 48.6 ppb

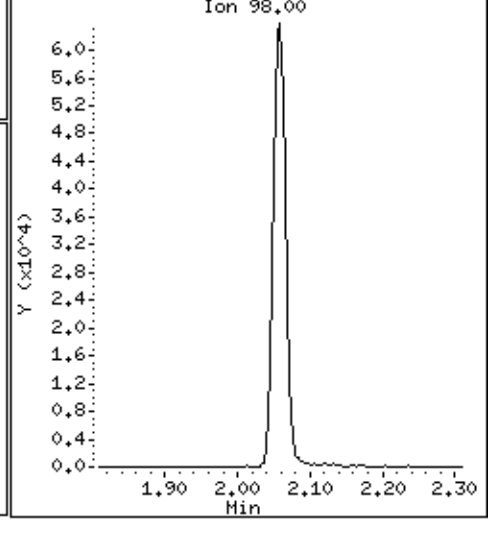


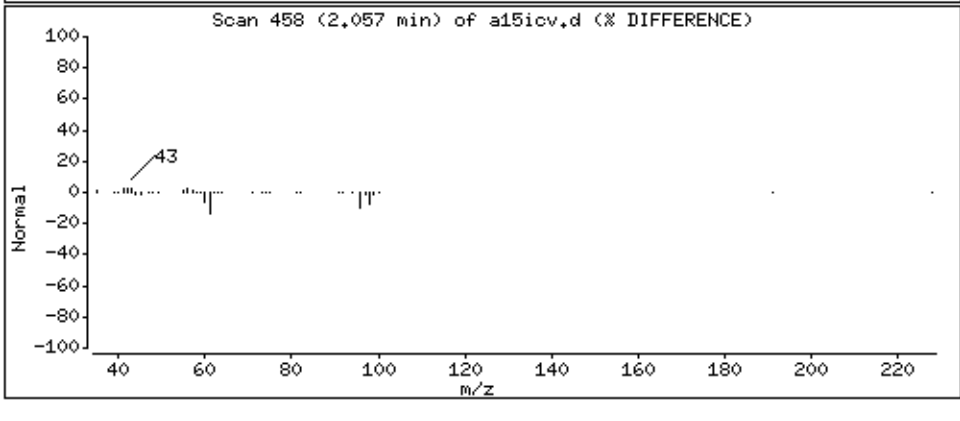












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

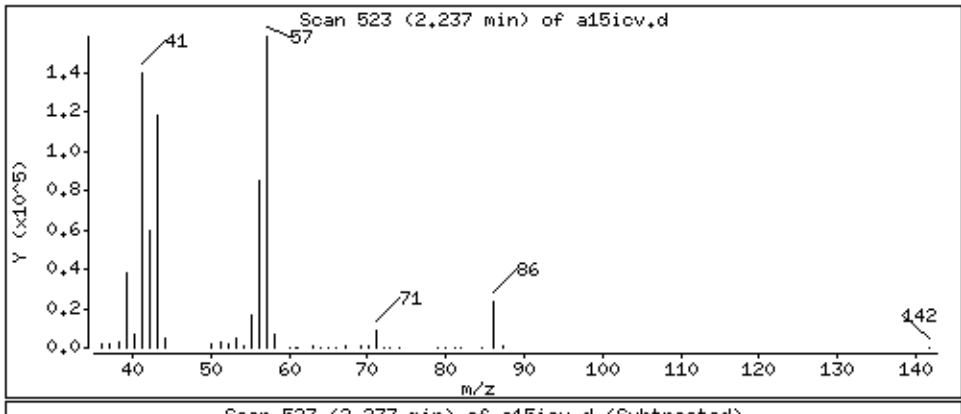
Operator: dae

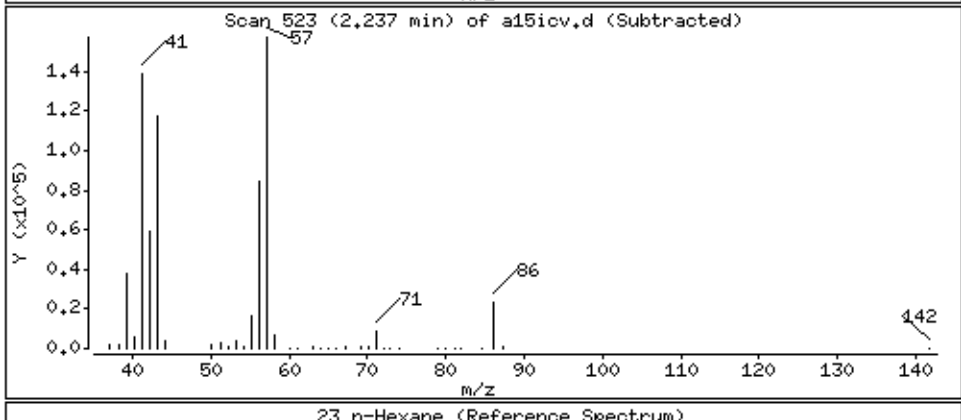
Column phase: DB-624

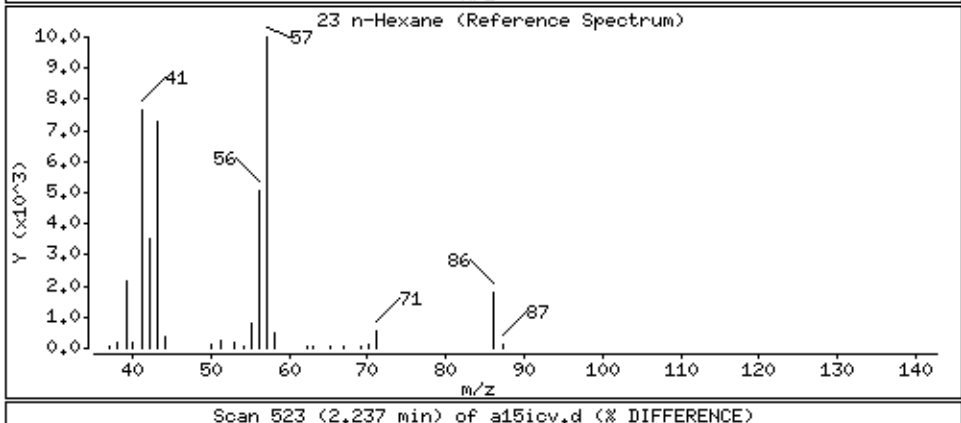
Column diameter: 0.18

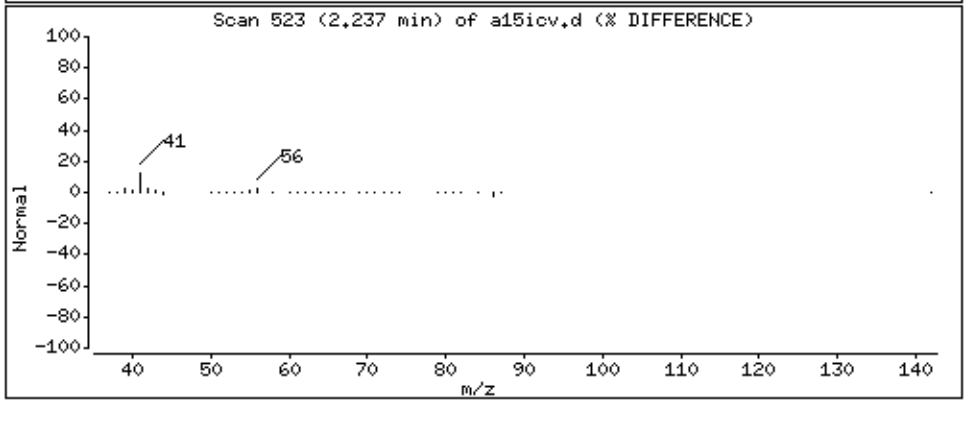
23 n-Hexane

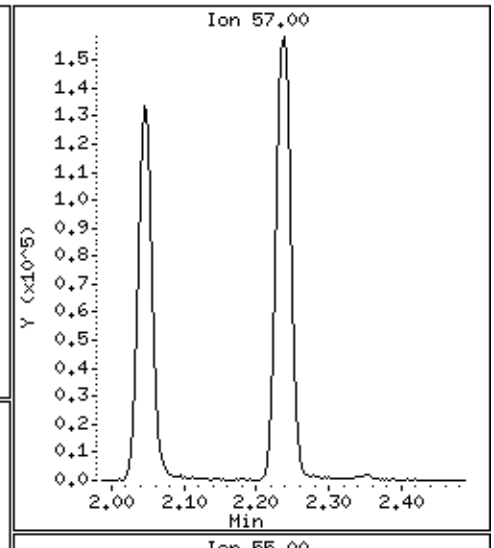
Concentration: 43.7 ppb

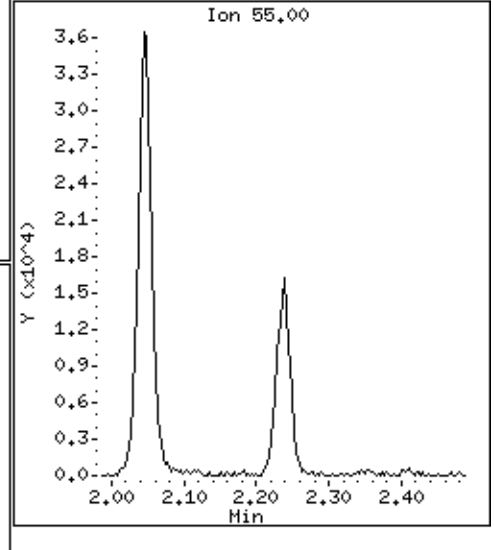












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

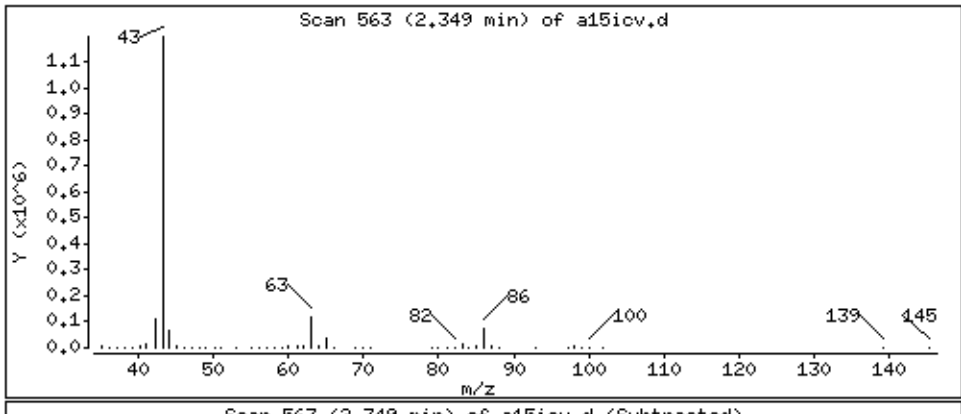
Operator: dae

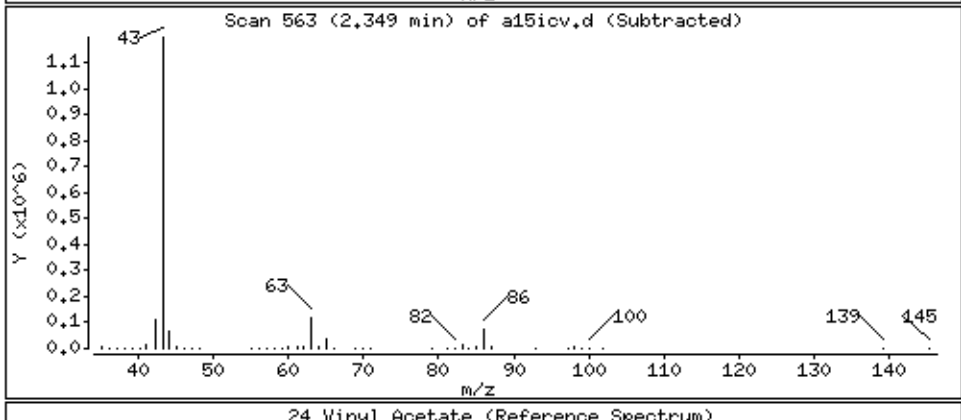
Column phase: DB-624

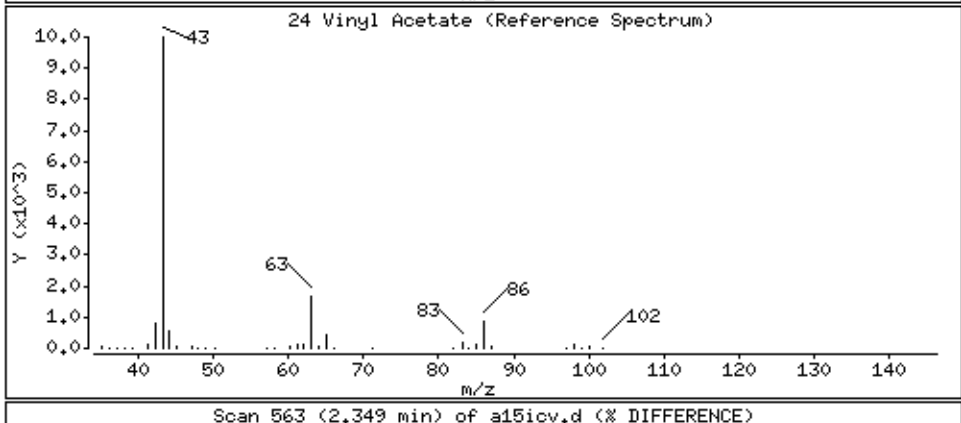
Column diameter: 0.18

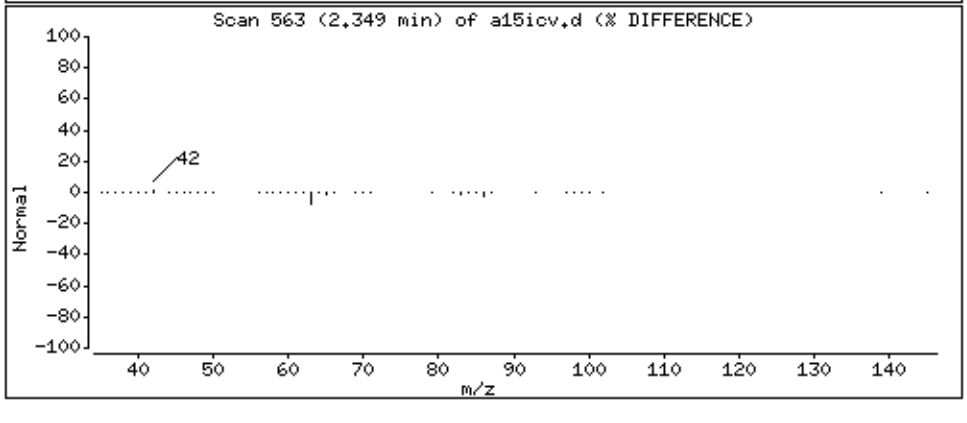
24 Vinyl Acetate

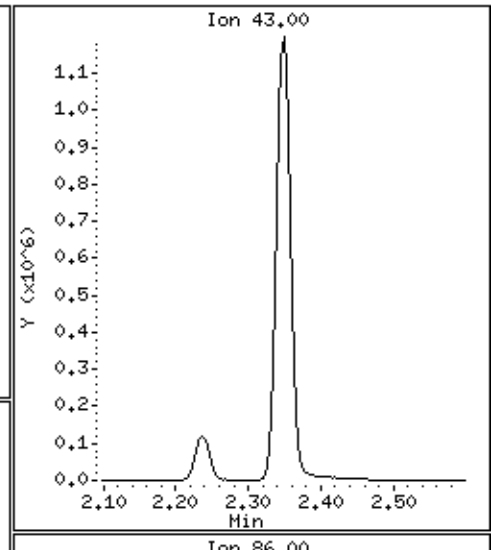
Concentration: 210 ppb

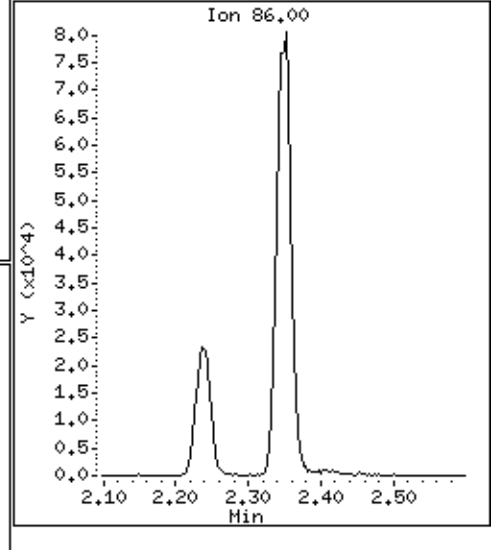












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

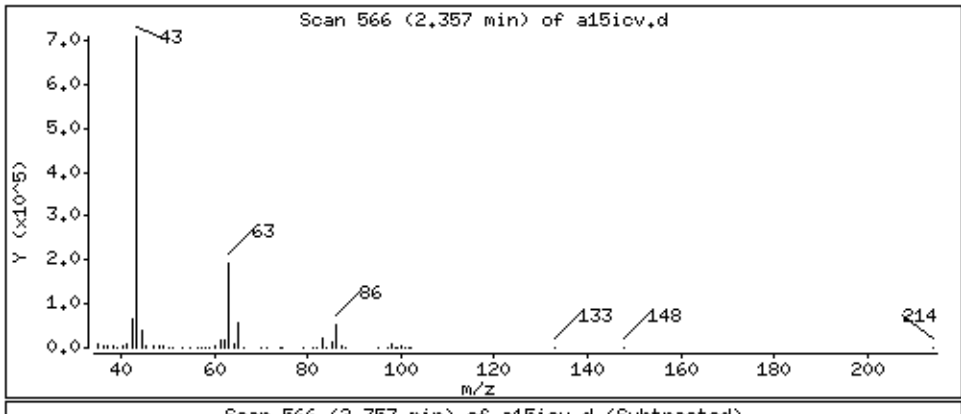
Operator: dae

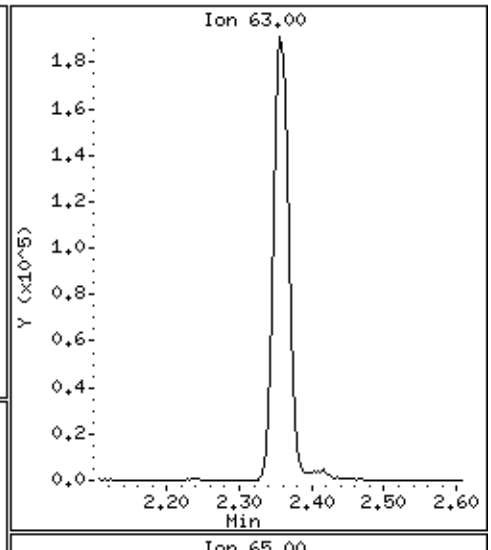
Column phase: DB-624

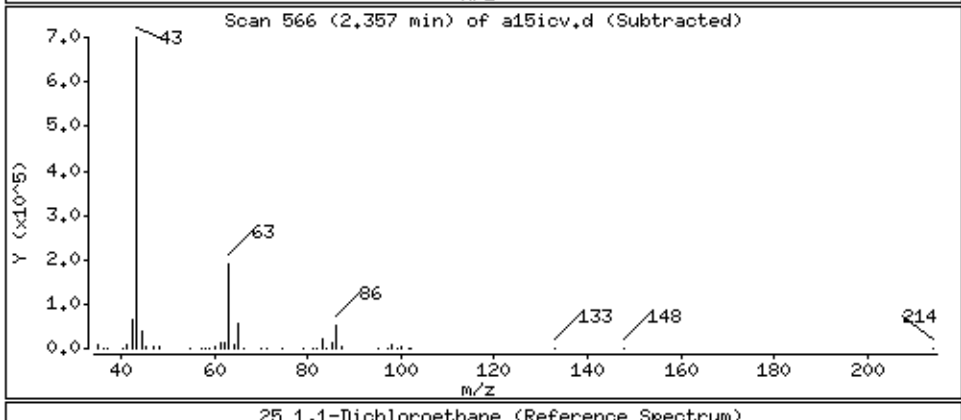
Column diameter: 0.18

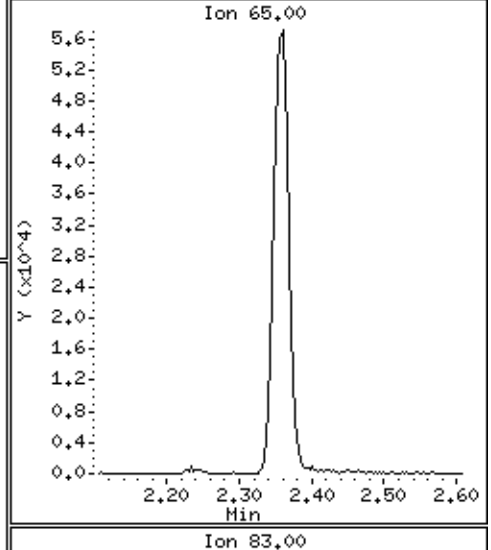
25 1,1-Dichloroethane

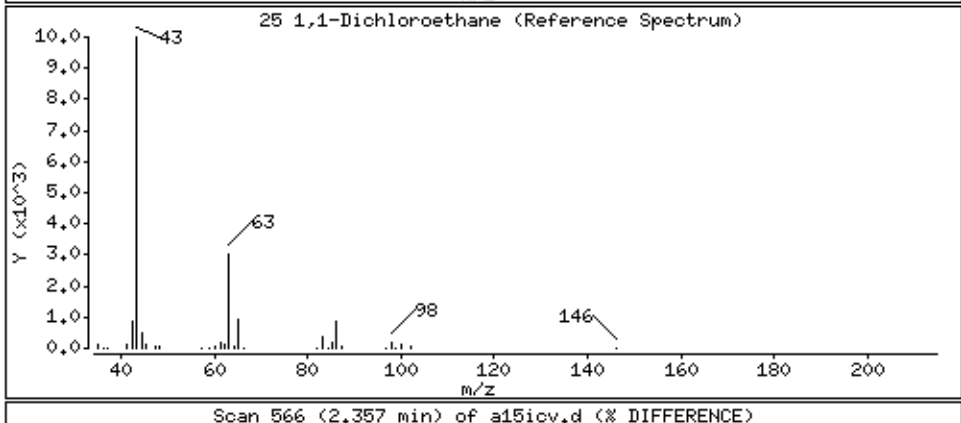
Concentration: 51.4 ppb

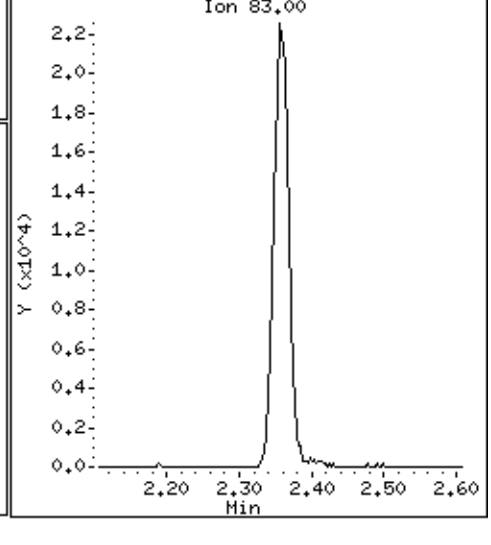


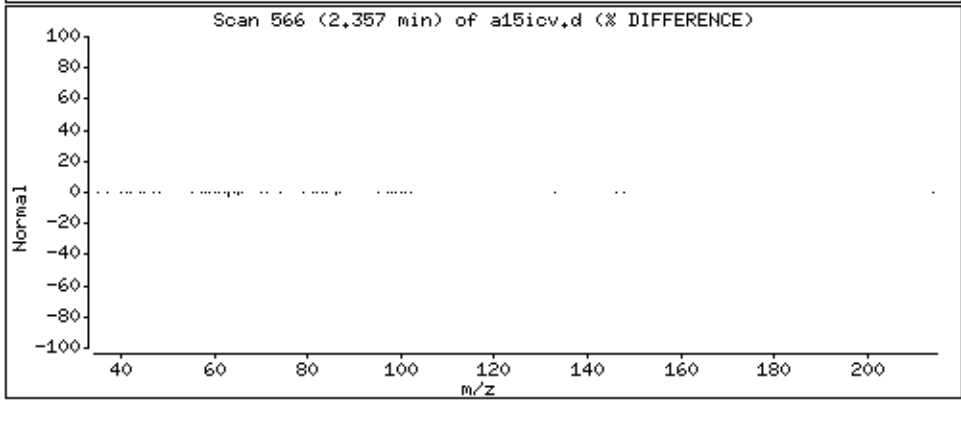












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

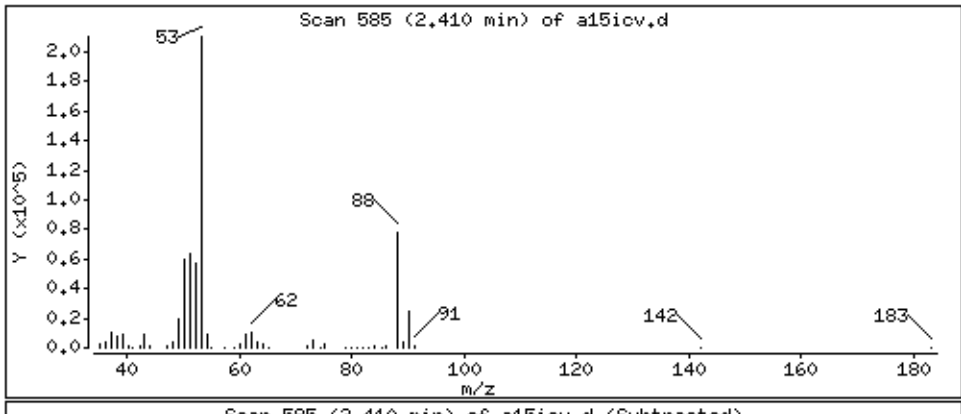
Operator: dae

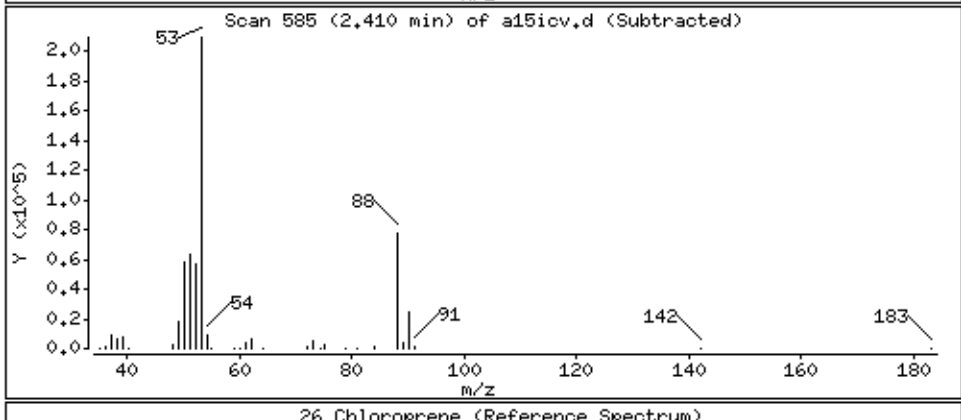
Column phase: DB-624

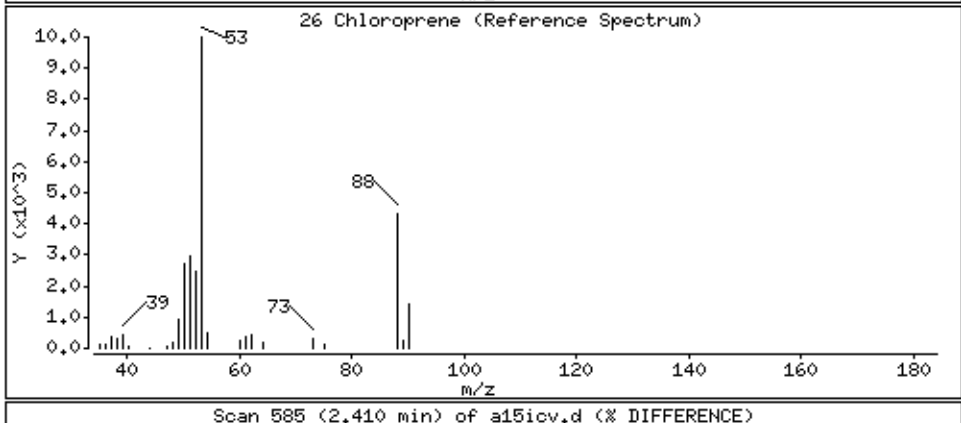
Column diameter: 0.18

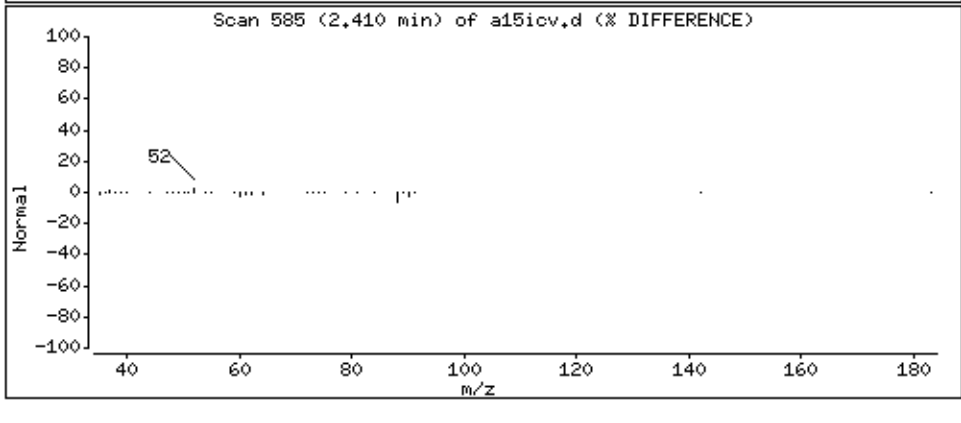
26 Chloroprene

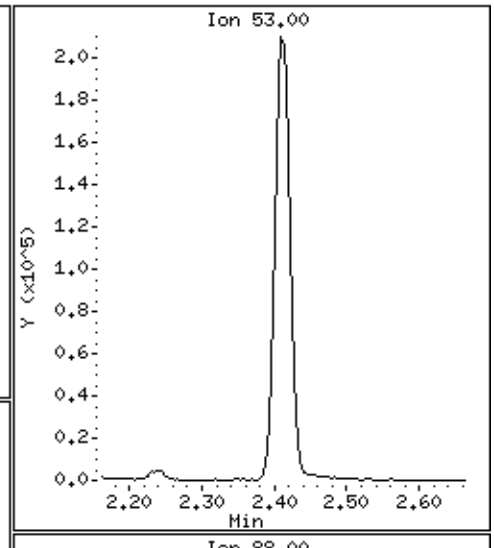
Concentration: 49.1 ppb

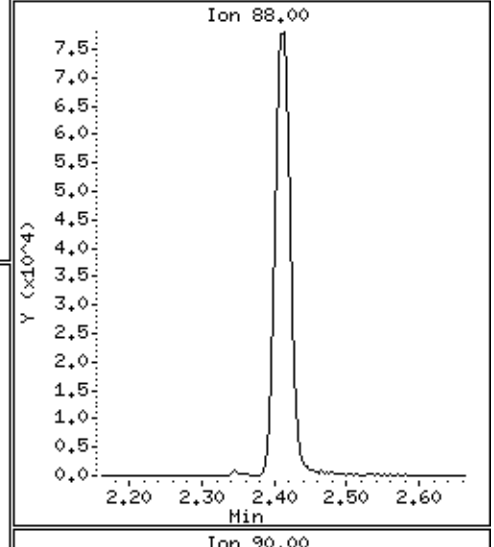


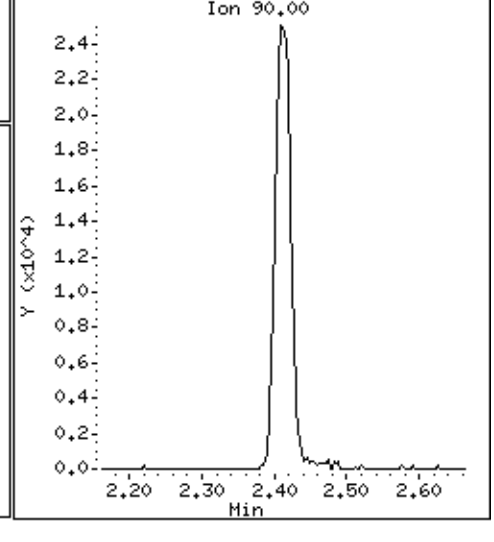












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

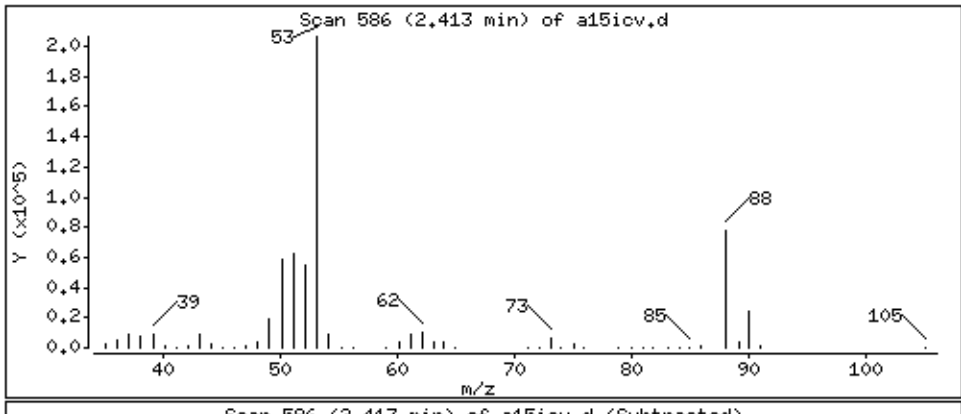
Purge Volume: 5.0

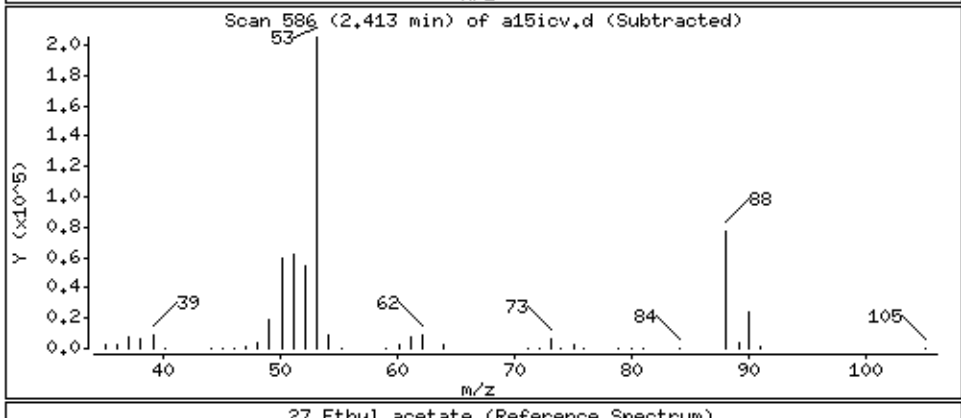
Operator: dae

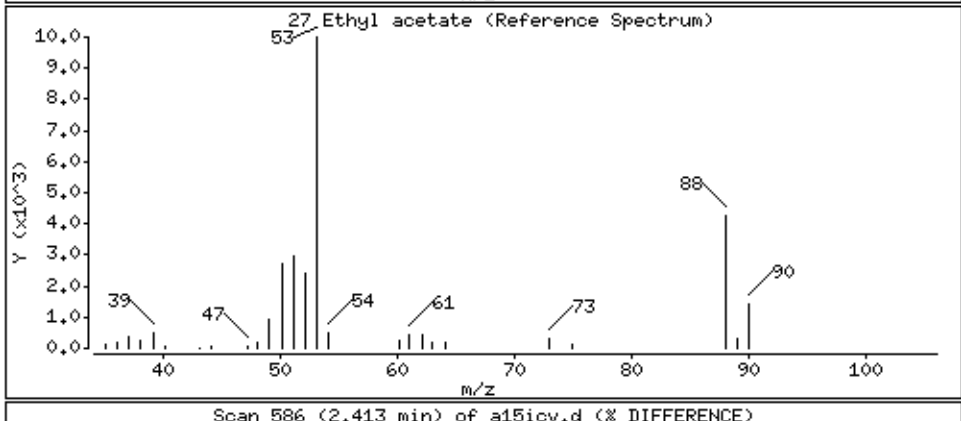
Column phase: DB-624

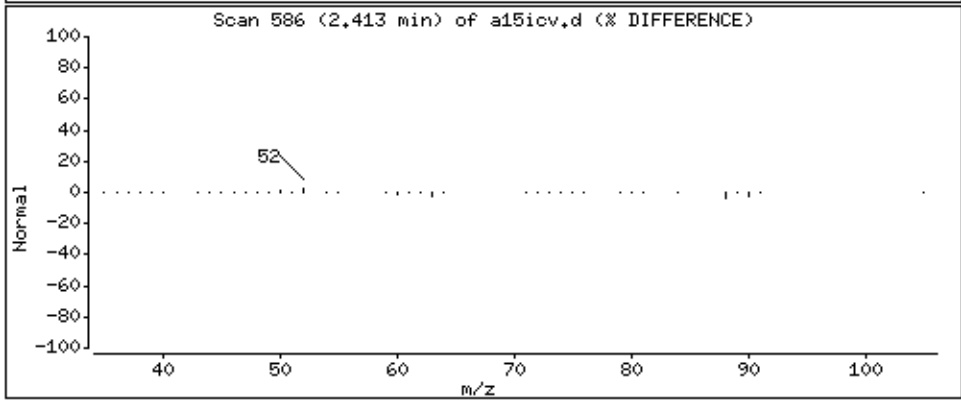
Column diameter: 0.18

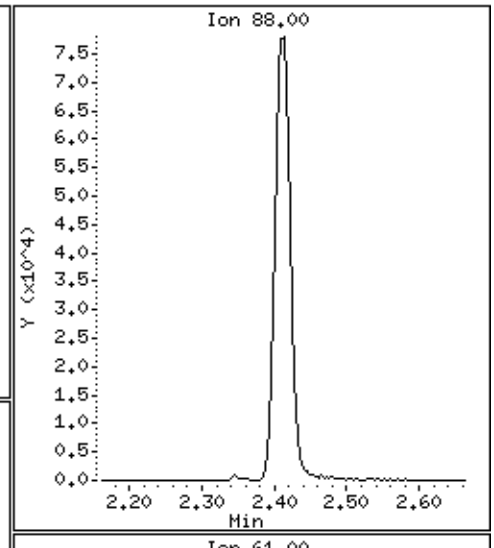
27 Ethyl acetate

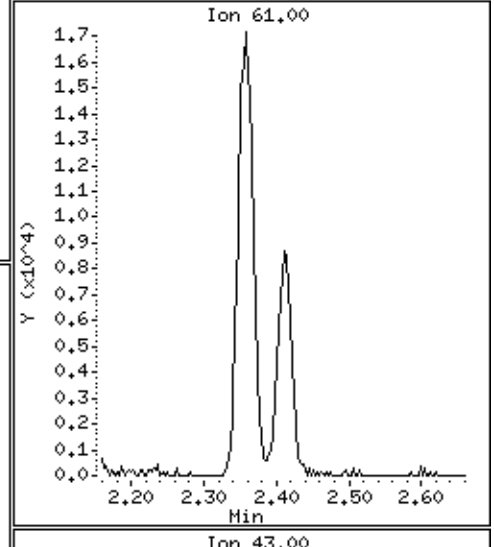


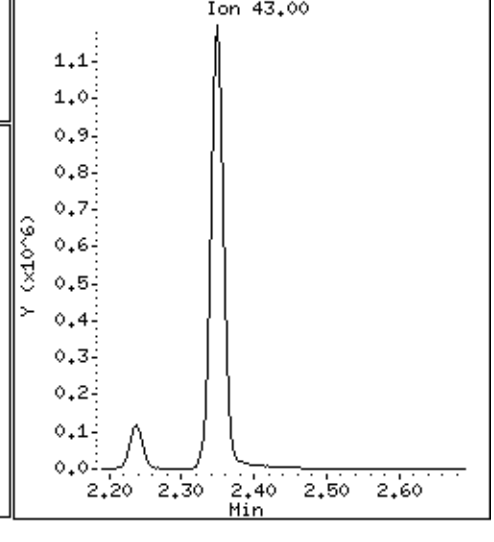












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

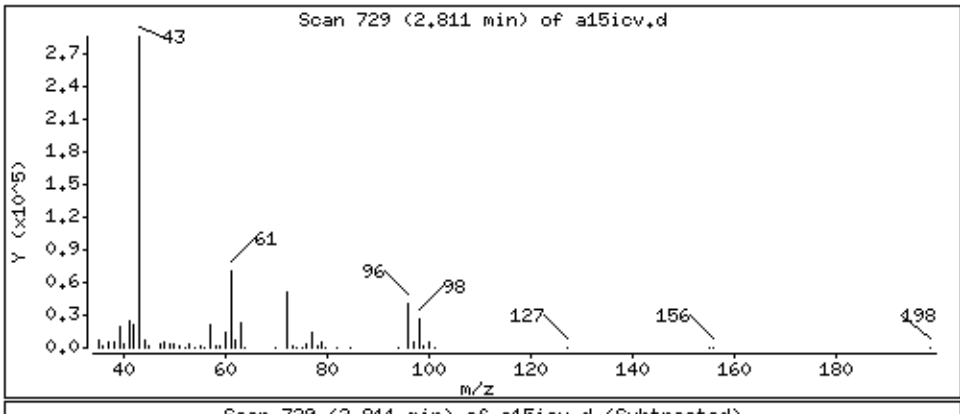
Operator: dae

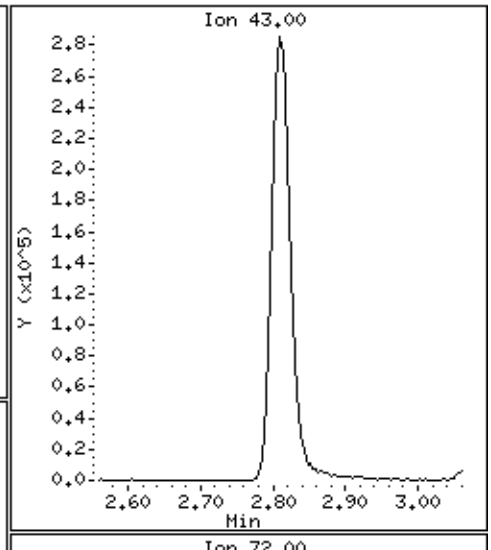
Column phase: DB-624

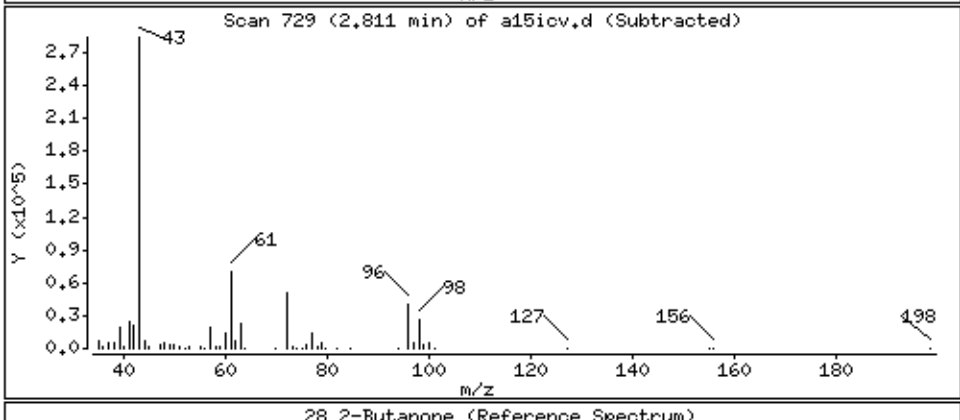
Column diameter: 0.18

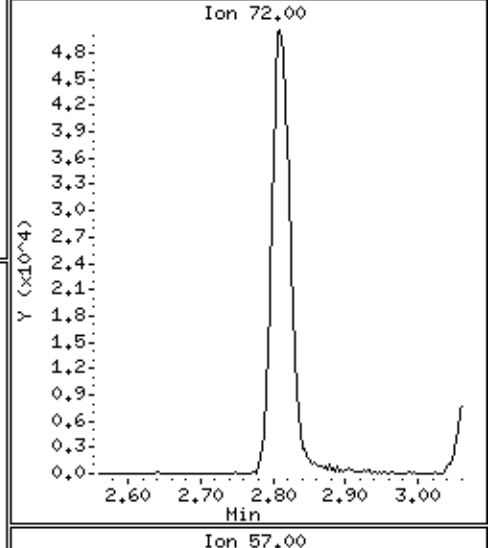
28 2-Butanone

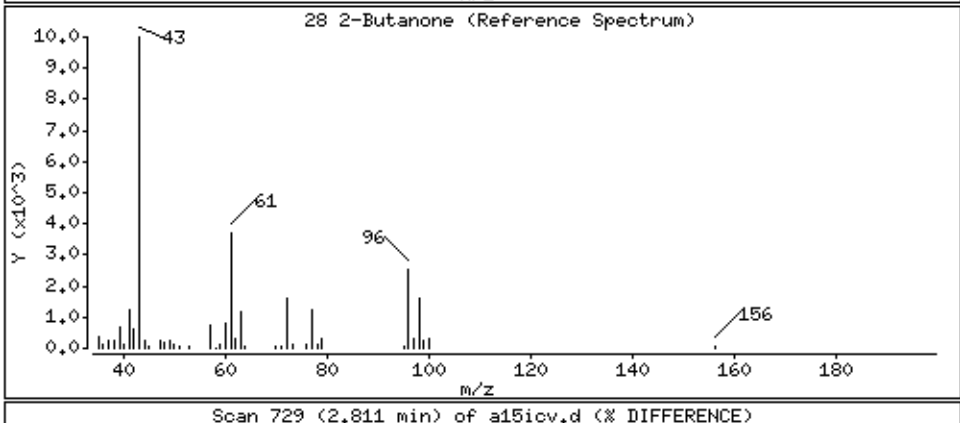
Concentration: 239 ppb

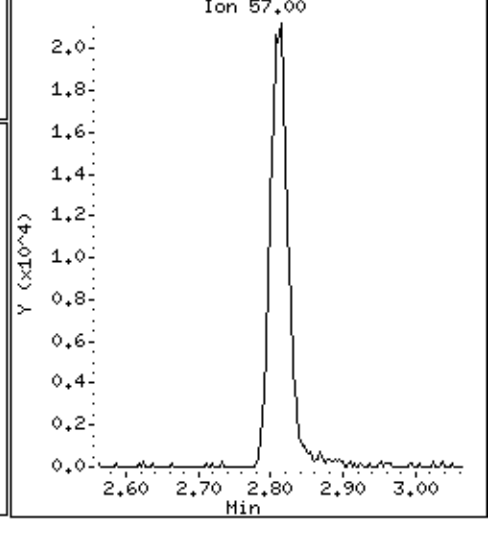


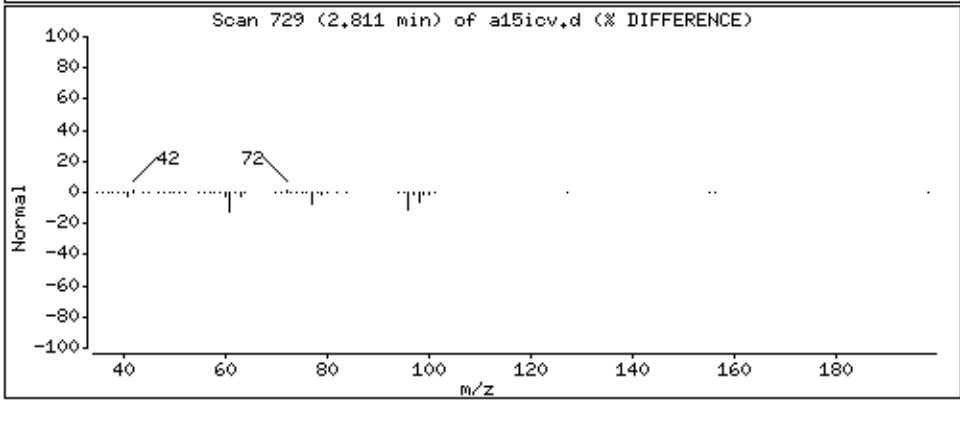












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

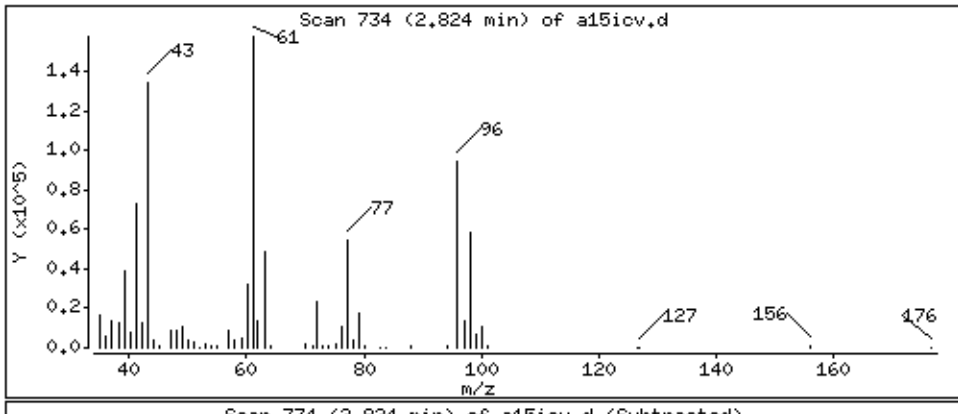
Operator: dae

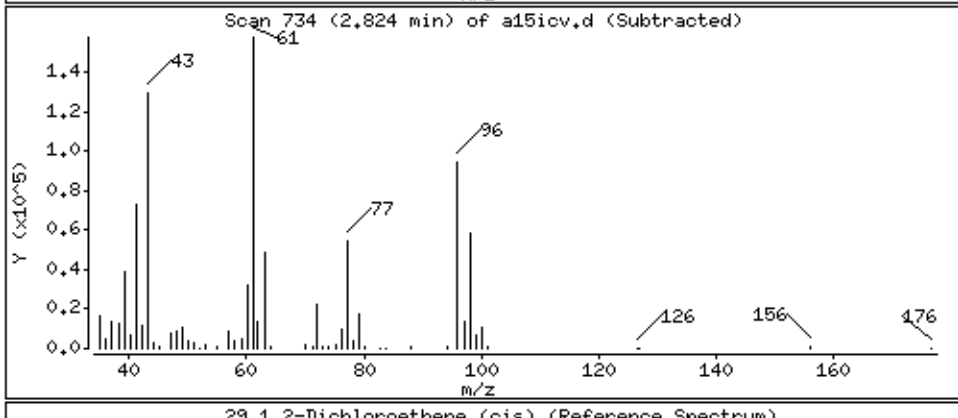
Column phase: DB-624

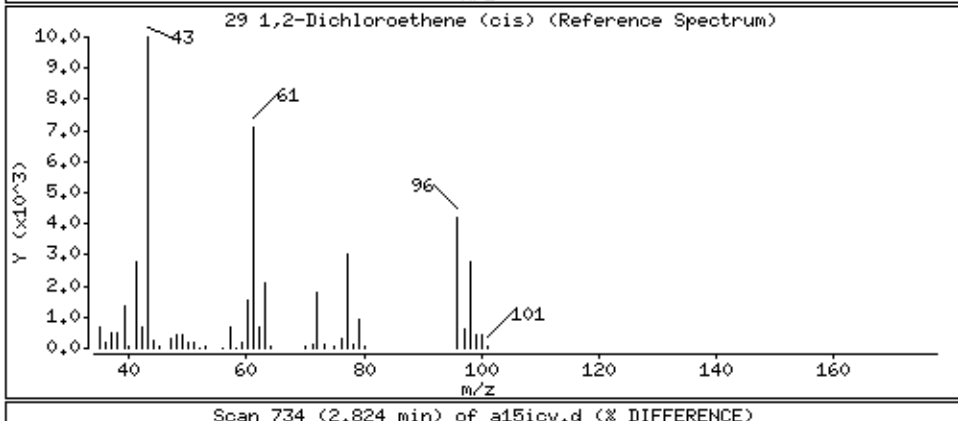
Column diameter: 0.18

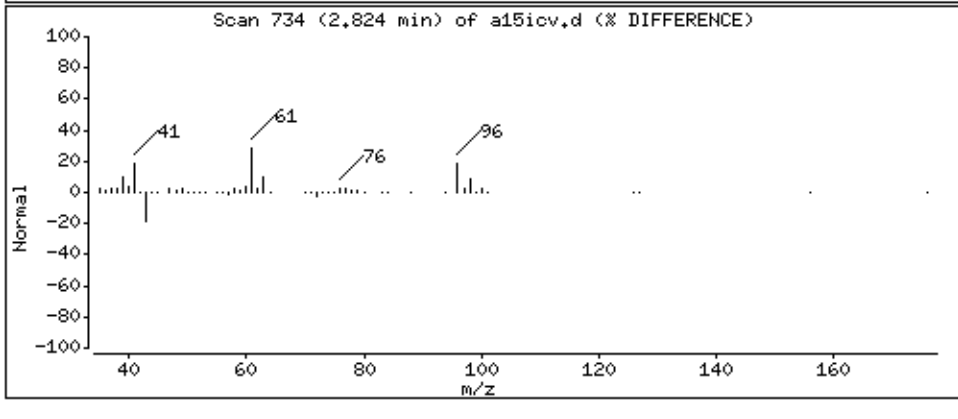
29 1,2-Dichloroethene (cis)

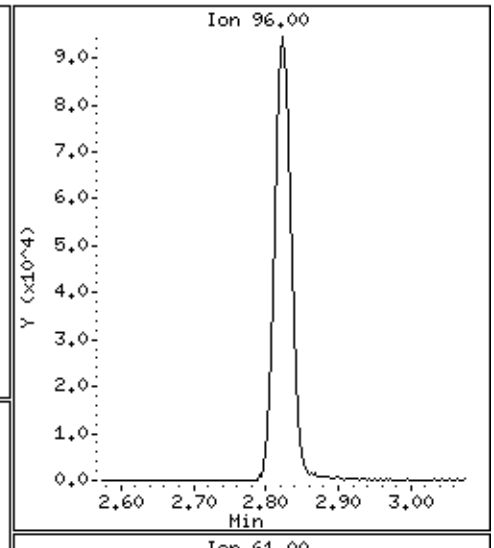
Concentration: 46.1 ppb

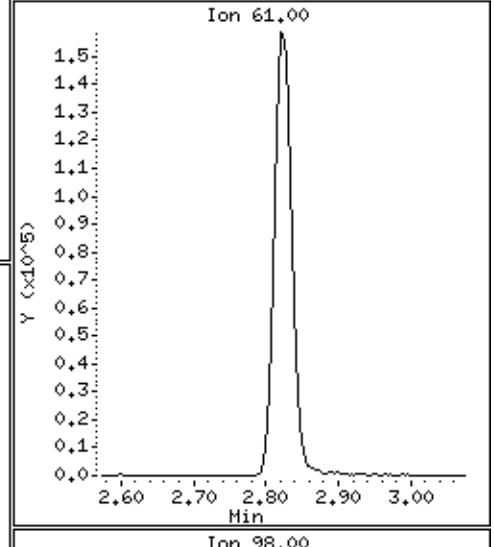


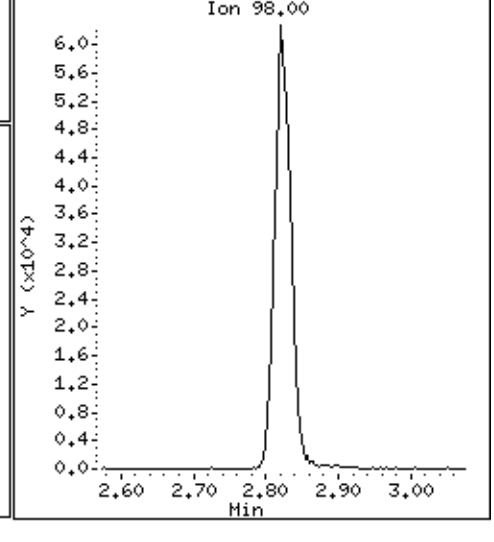












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

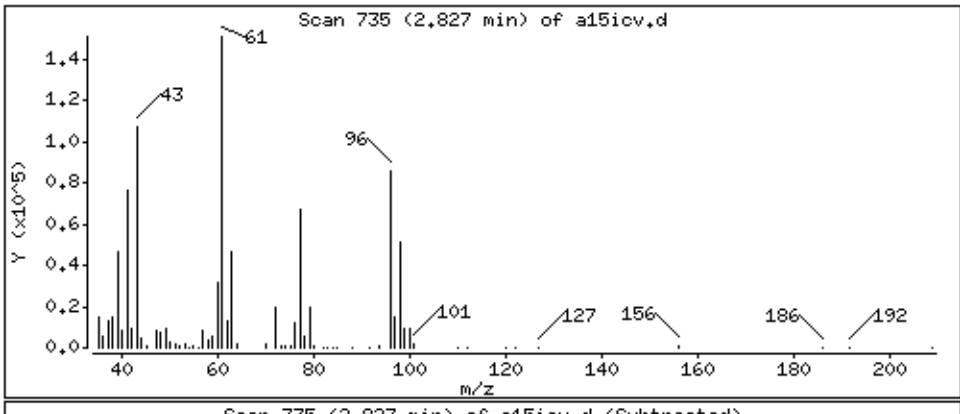
Operator: dae

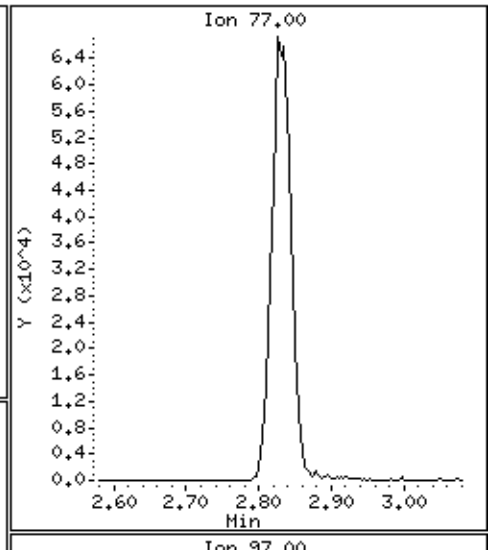
Column phase: DB-624

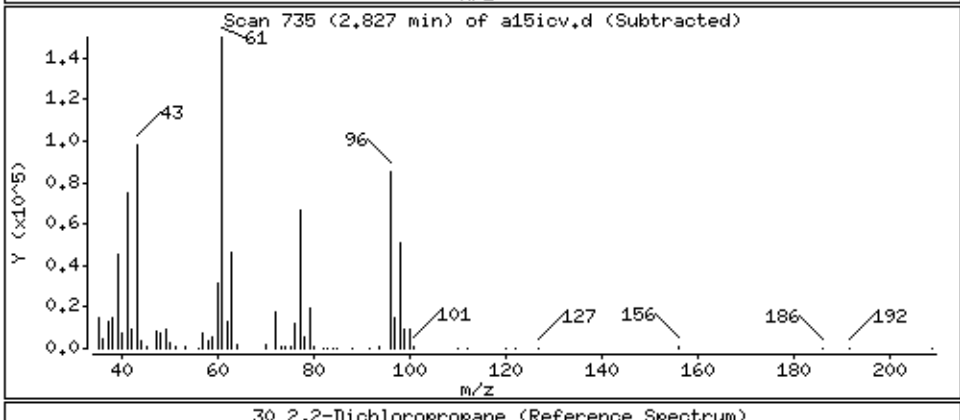
Column diameter: 0.18

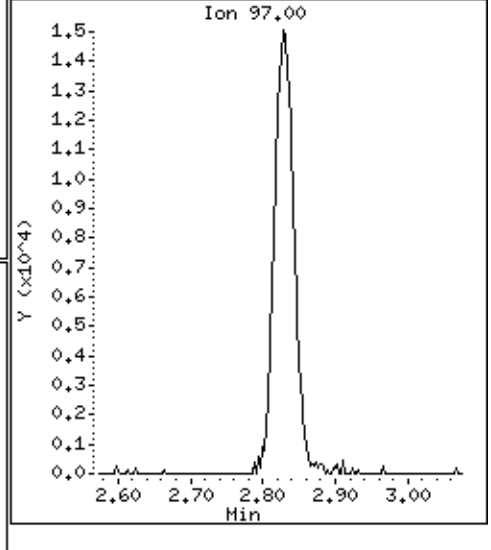
30 2,2-Dichloropropane

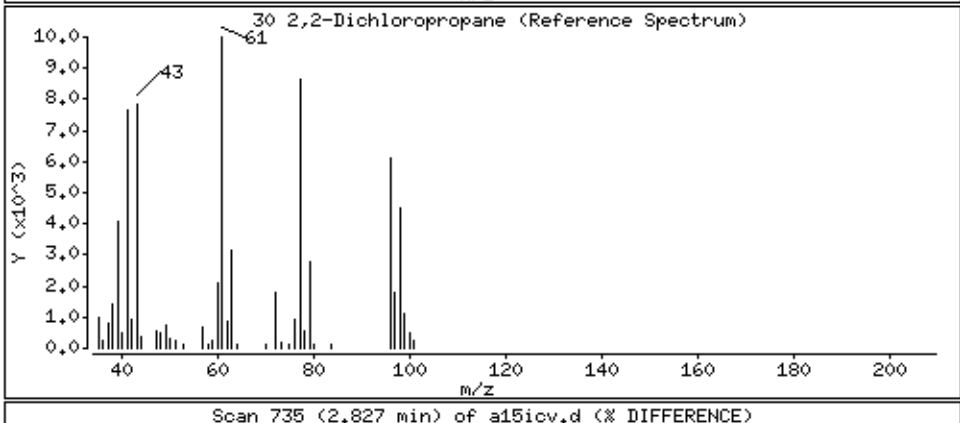
Concentration: 42.4 ppb

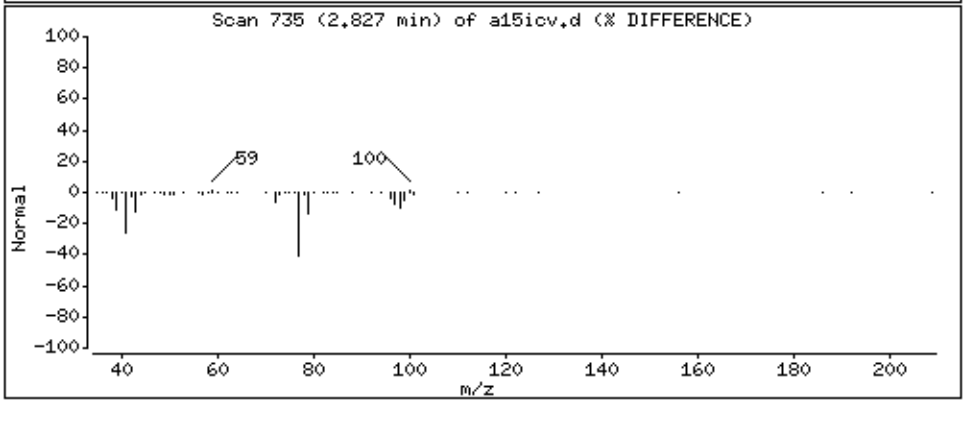












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

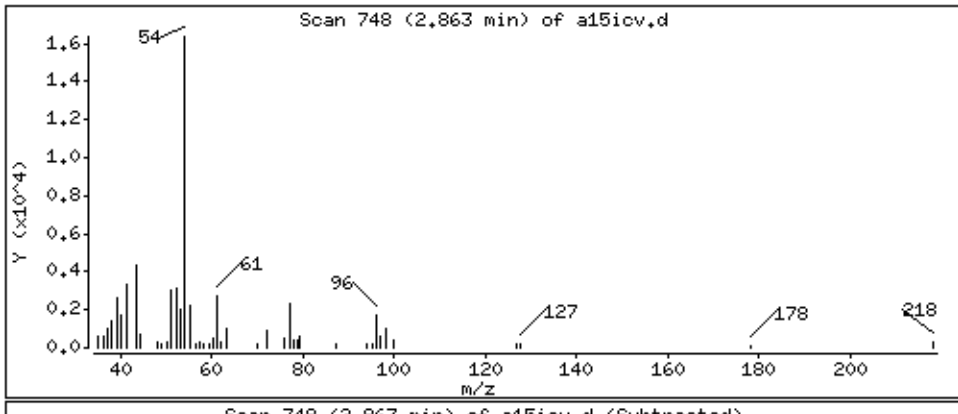
Operator: dae

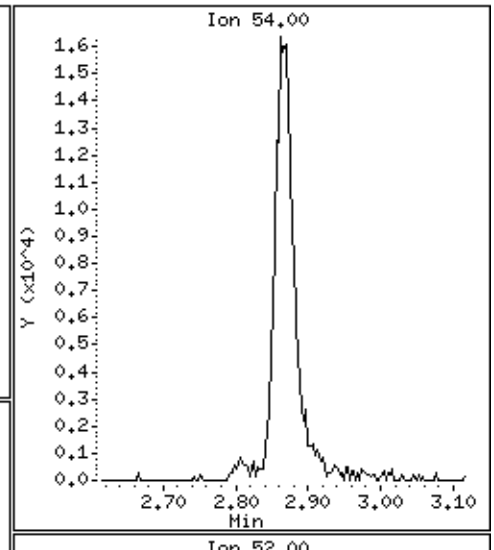
Column phase: DB-624

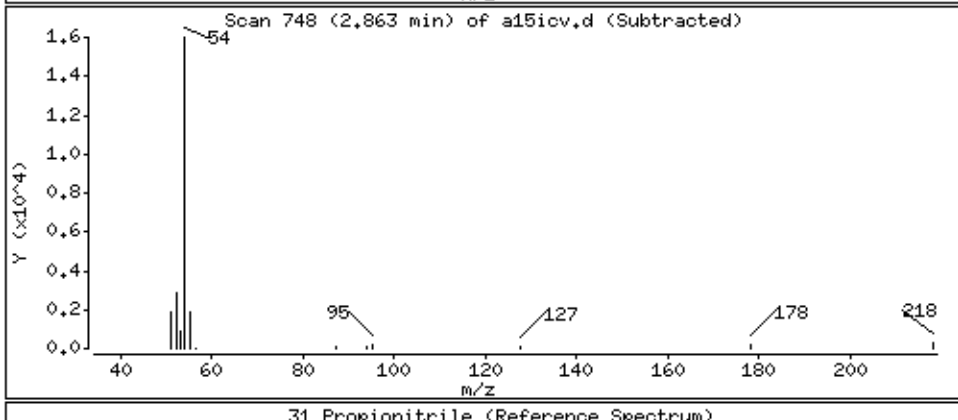
Column diameter: 0.18

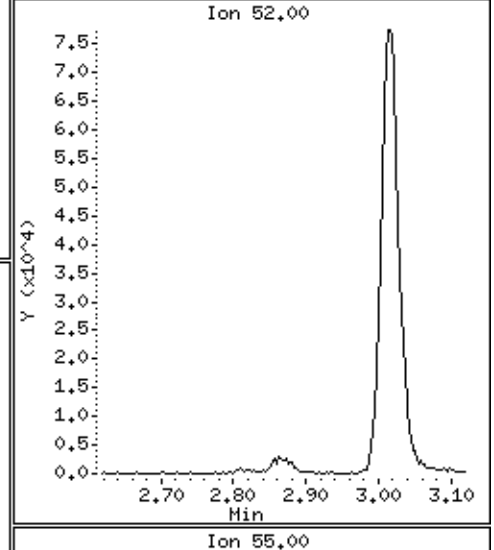
31 Propionitrile

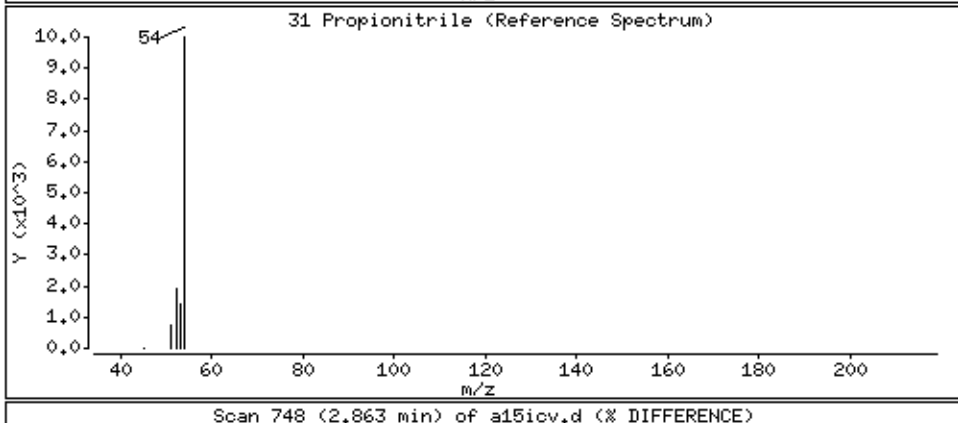
Concentration: 45.1 ppb

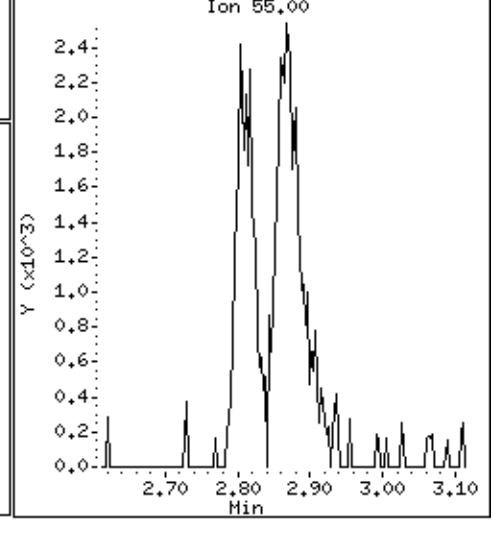


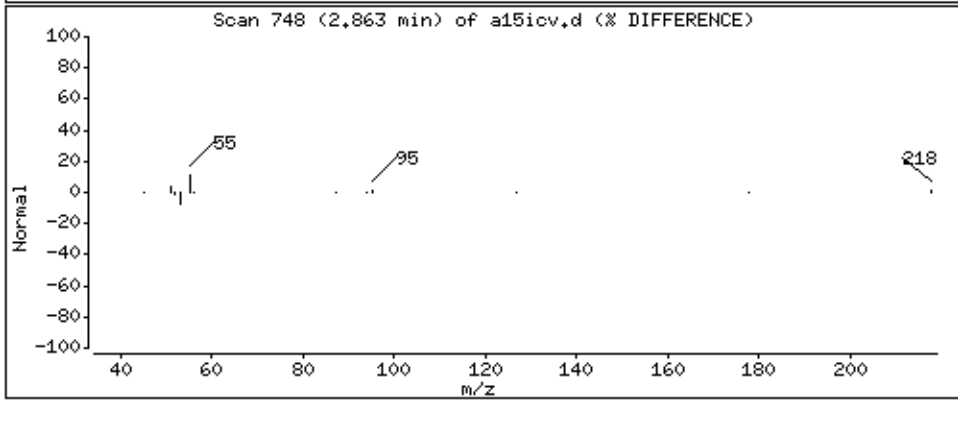












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

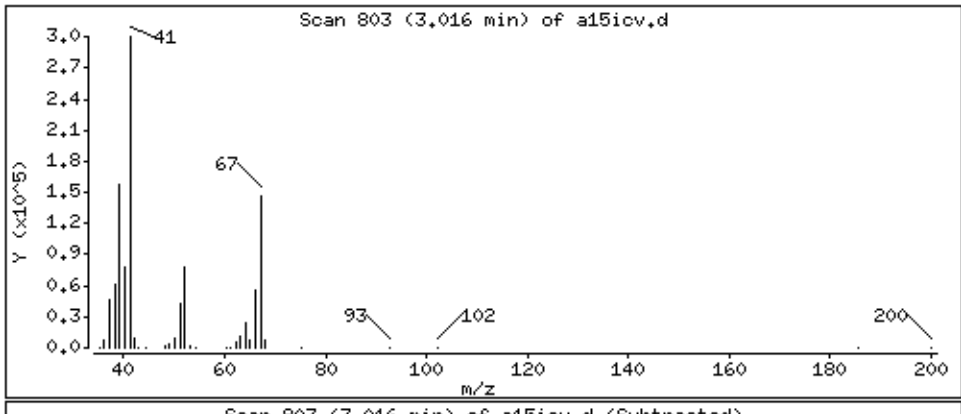
Operator: dae

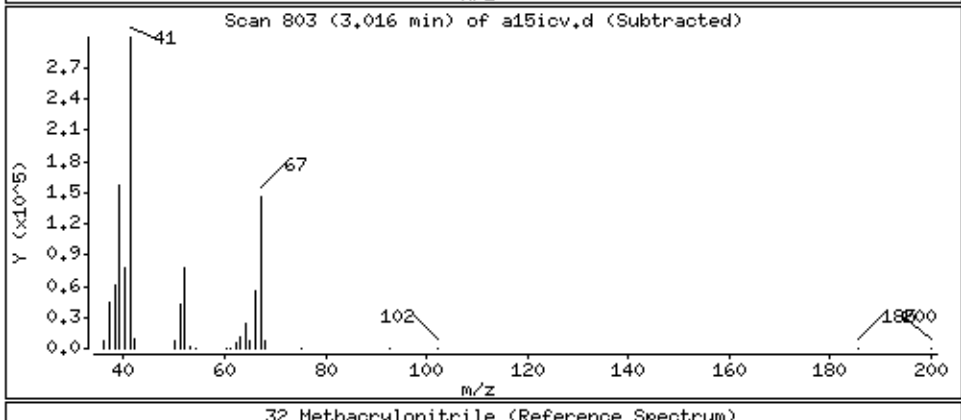
Column phase: DB-624

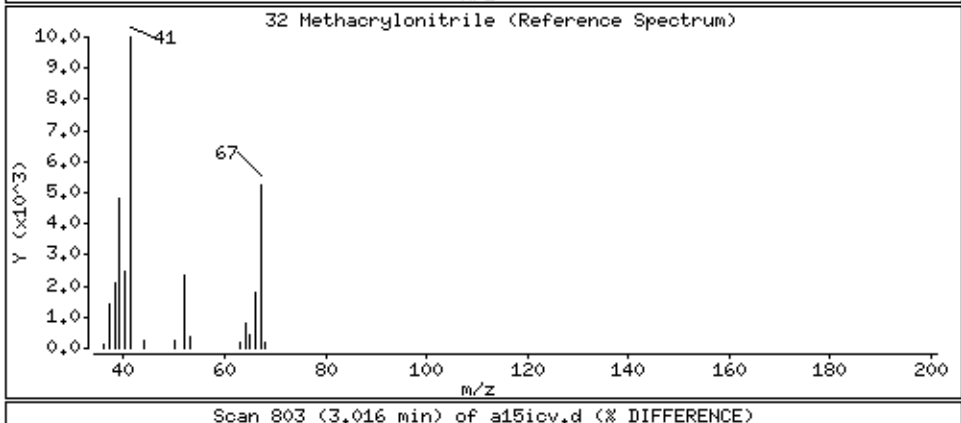
Column diameter: 0.18

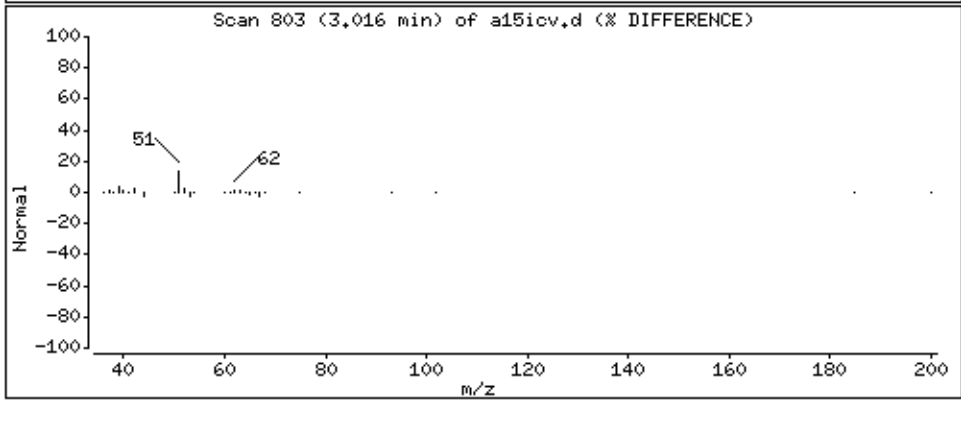
32 Methacrylonitrile

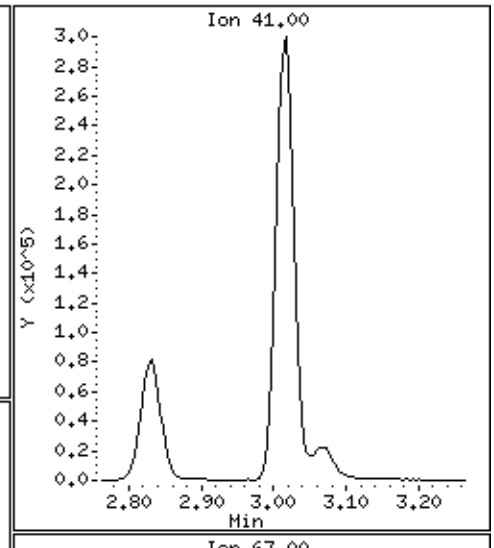
Concentration: 860 ppb

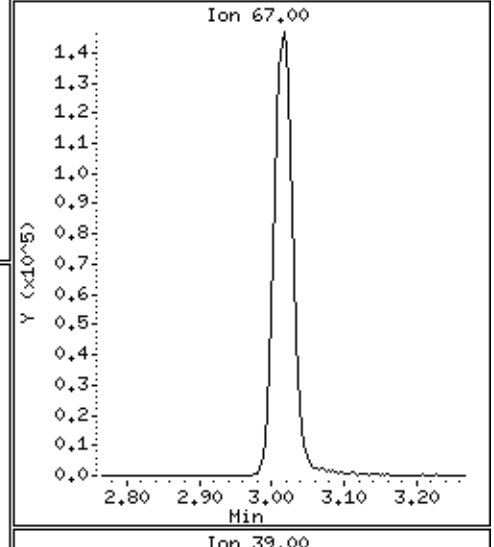


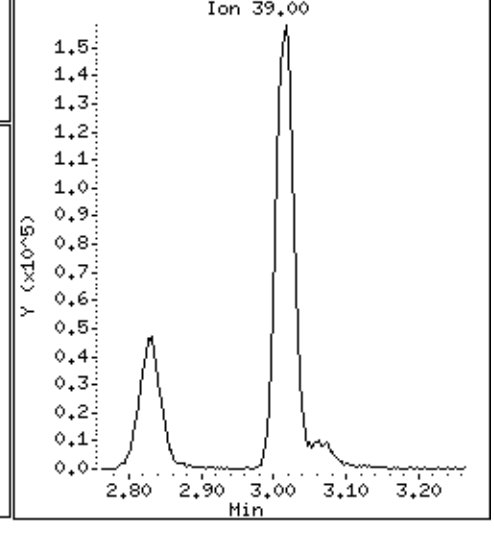












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

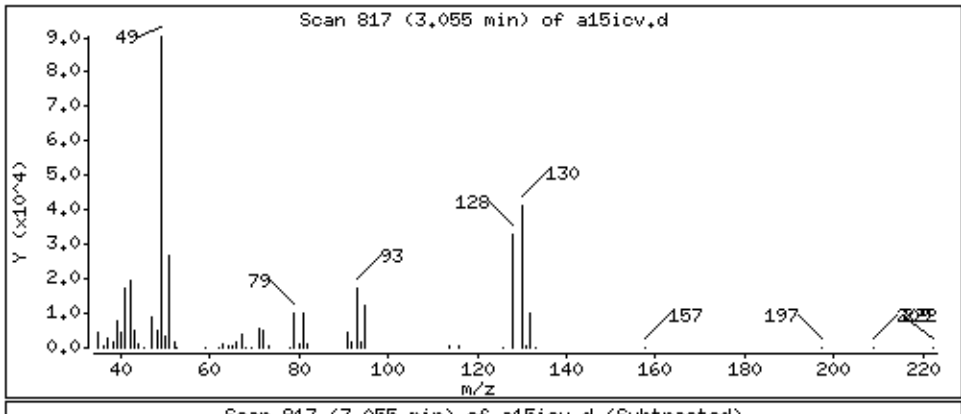
Operator: dae

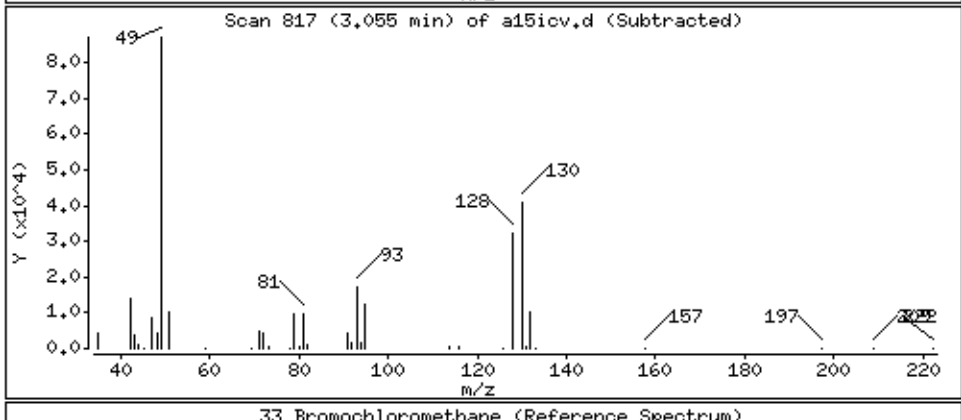
Column phase: DB-624

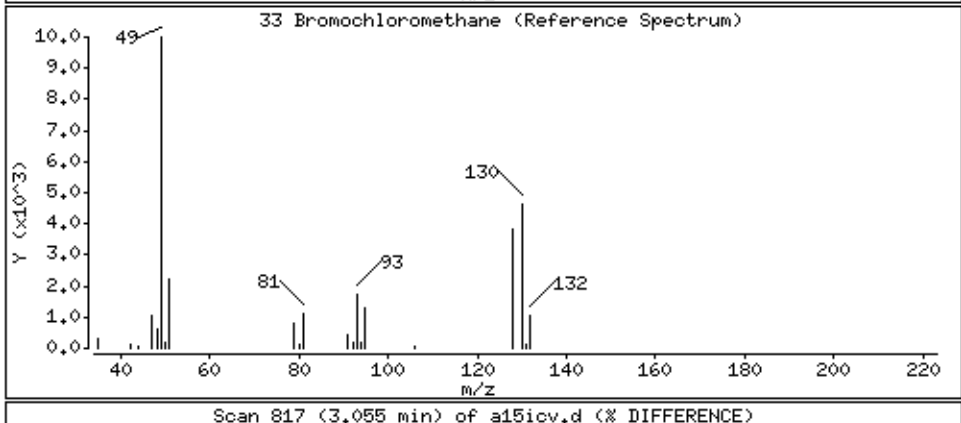
Column diameter: 0.18

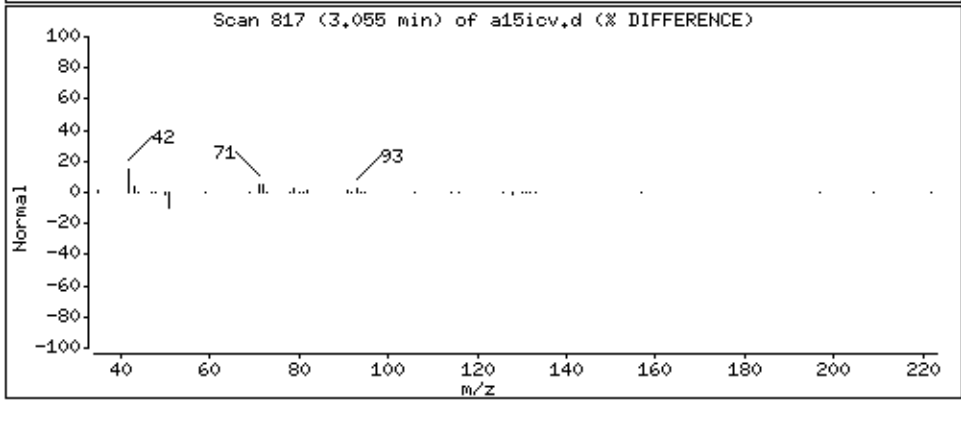
33 Bromochloromethane

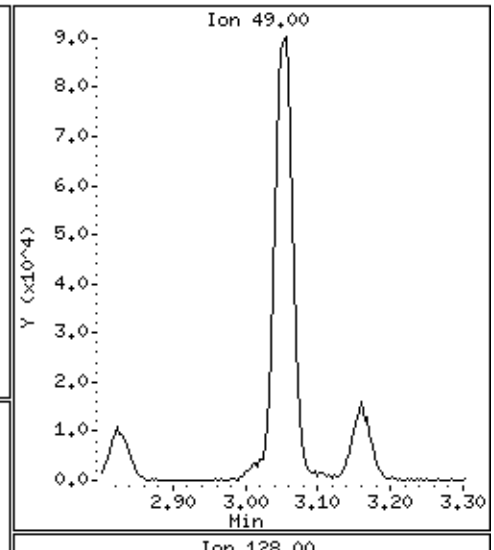
Concentration: 46.5 ppb

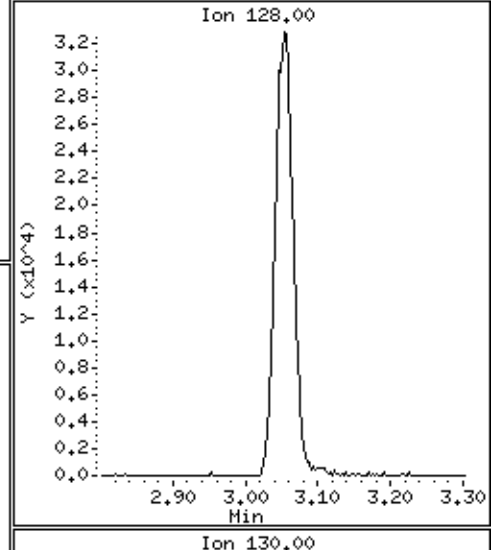


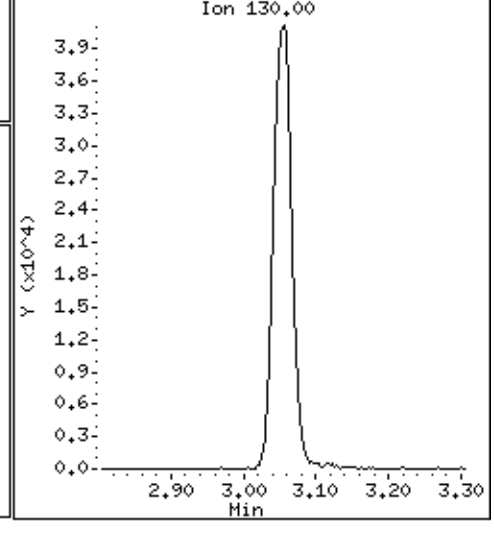












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

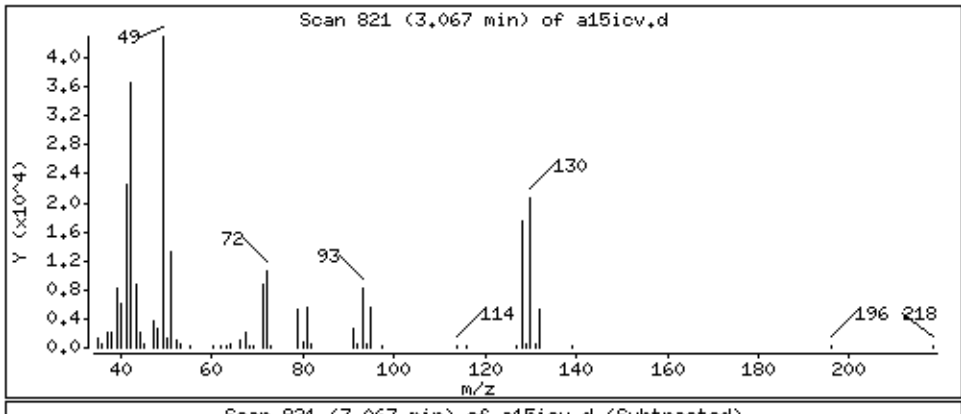
Operator: dae

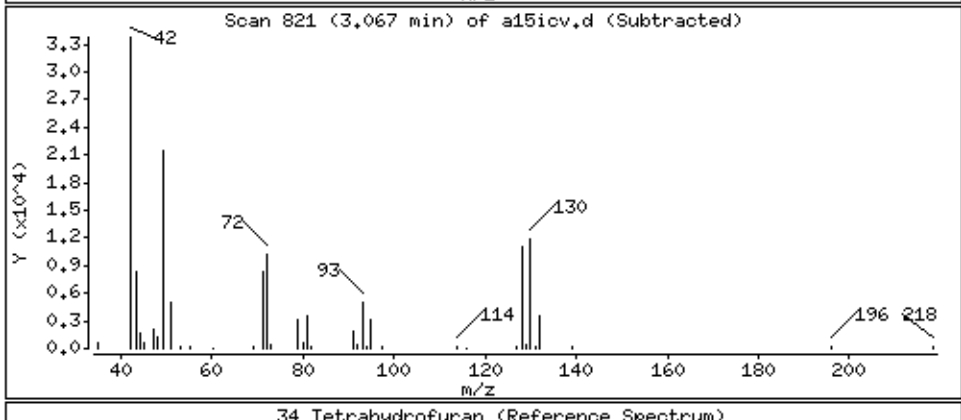
Column phase: DB-624

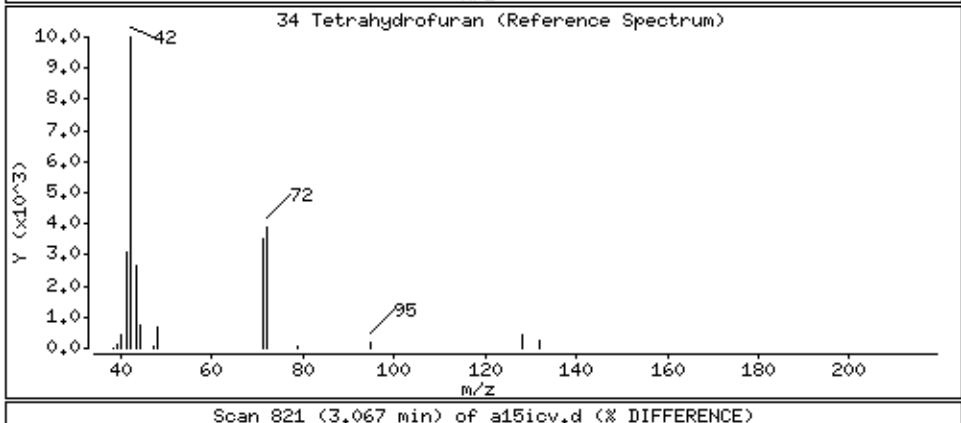
Column diameter: 0.18

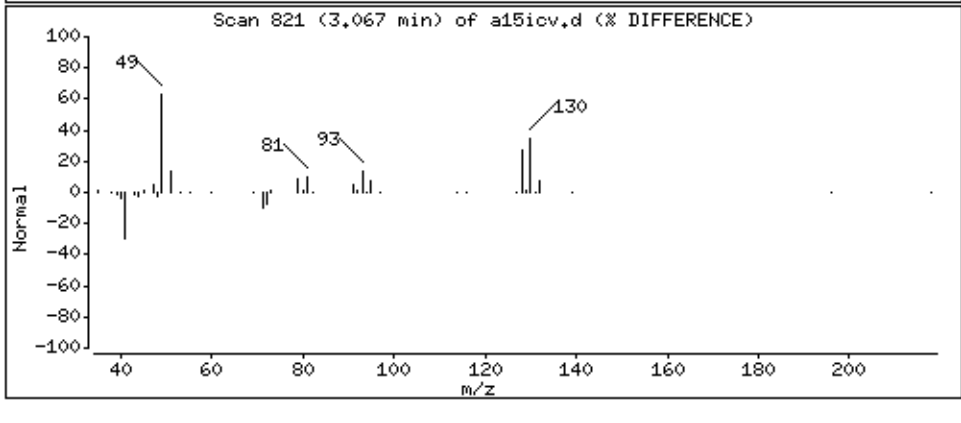
34 Tetrahydrofuran

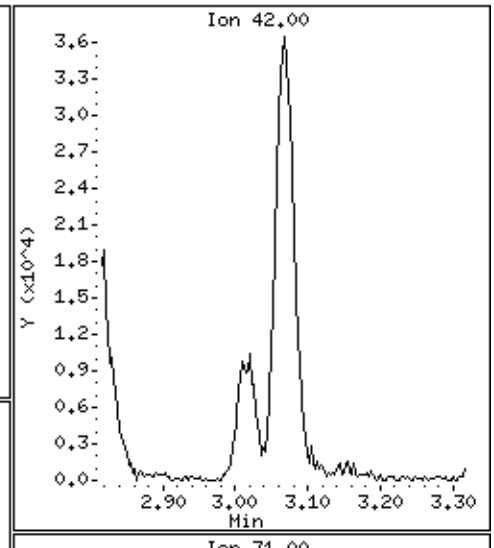
Concentration: 53.0 ppb

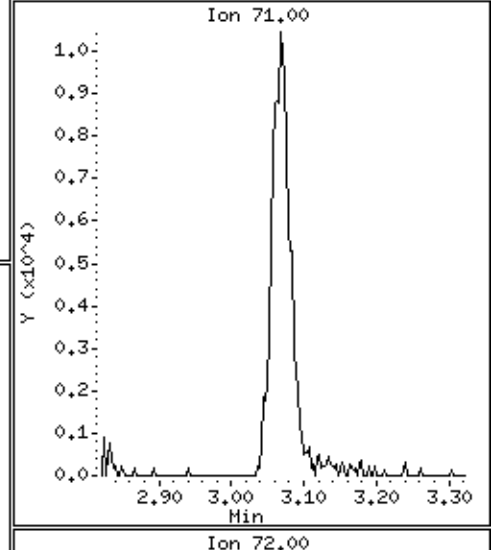


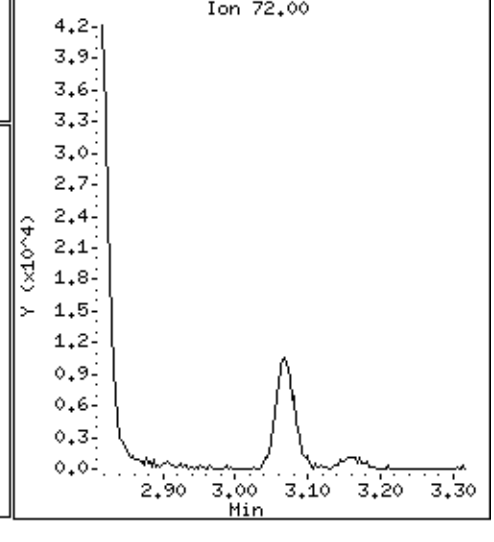












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

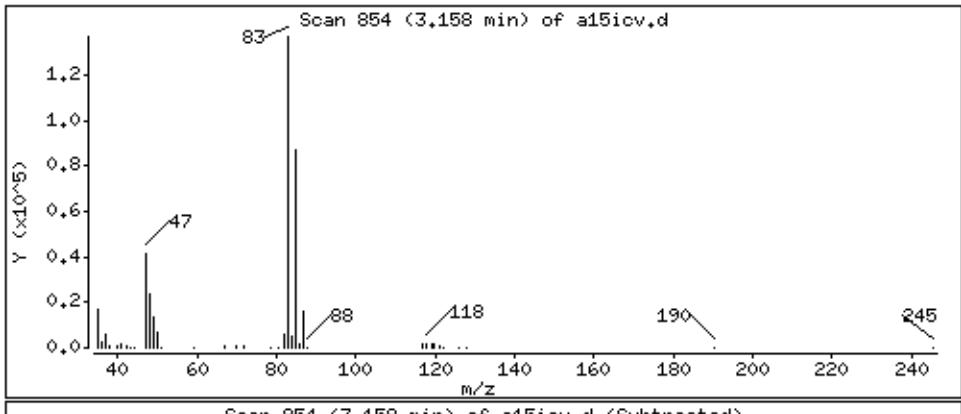
Operator: dae

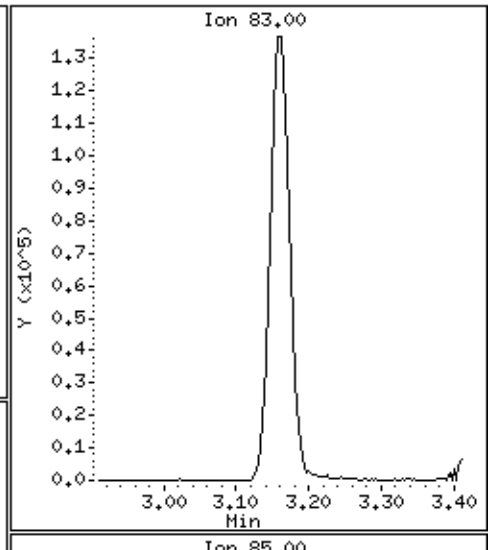
Column phase: DB-624

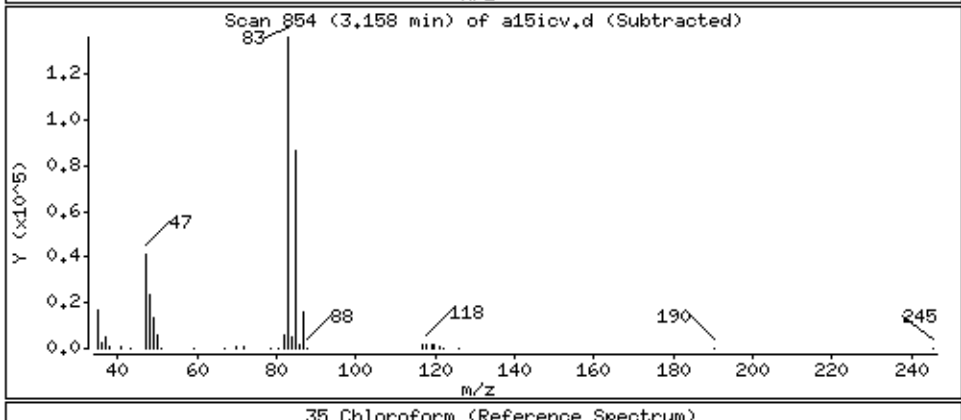
Column diameter: 0.18

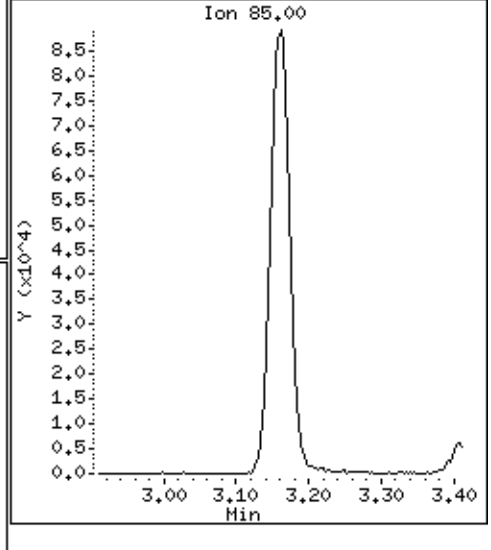
35 Chloroform

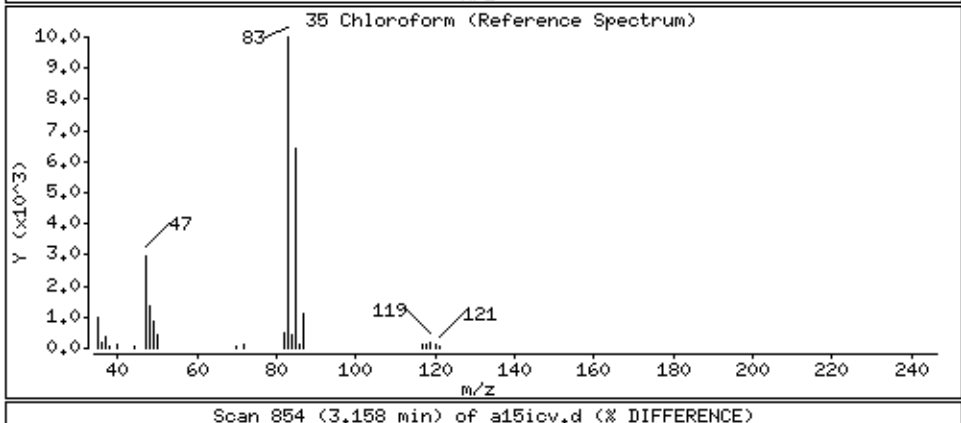
Concentration: 51.0 ppb

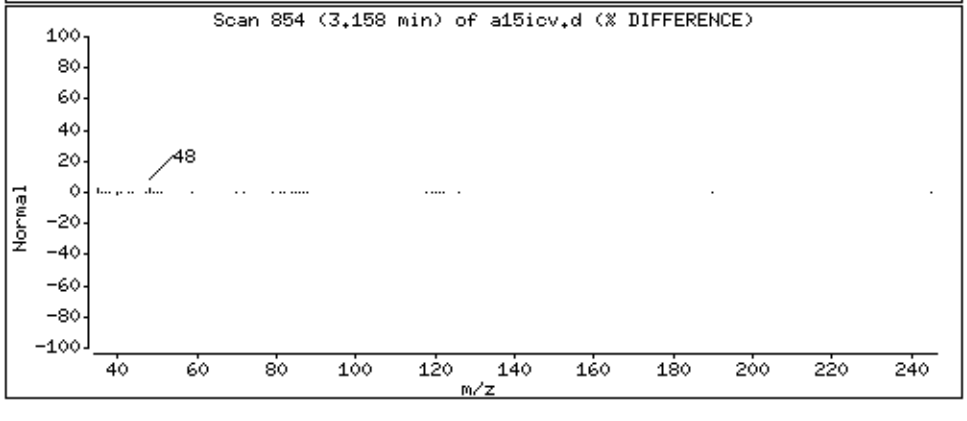












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

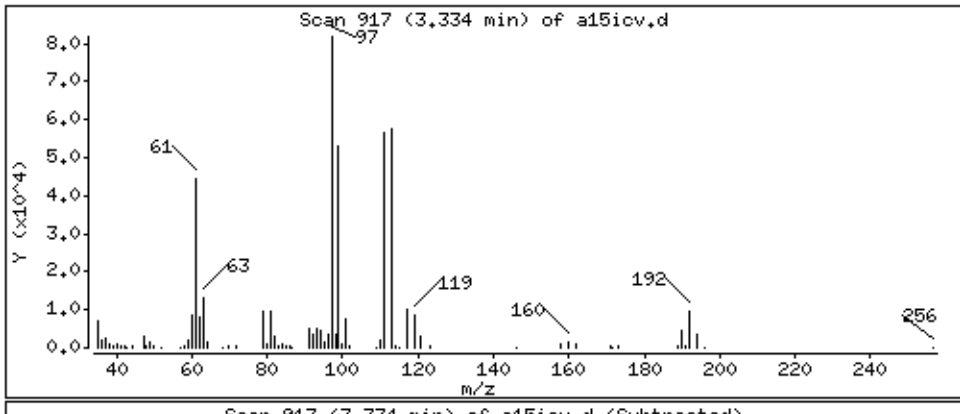
Operator: dae

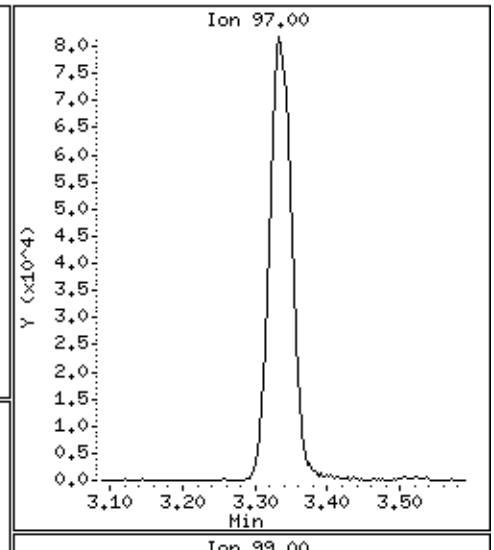
Column phase: DB-624

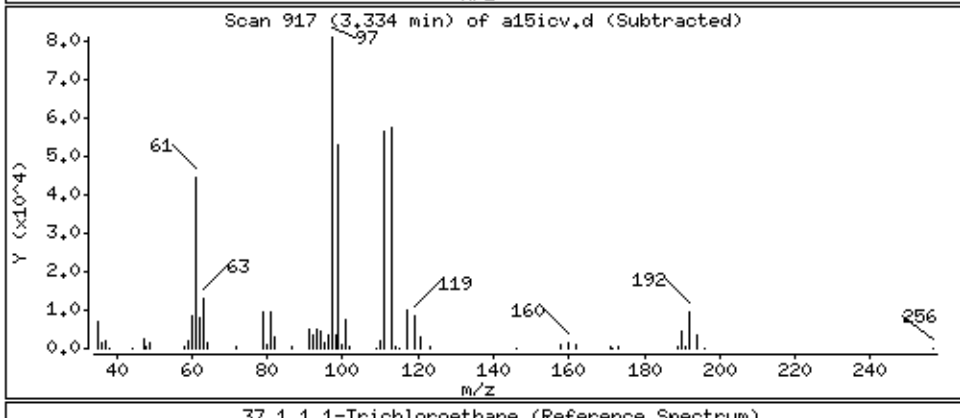
Column diameter: 0.18

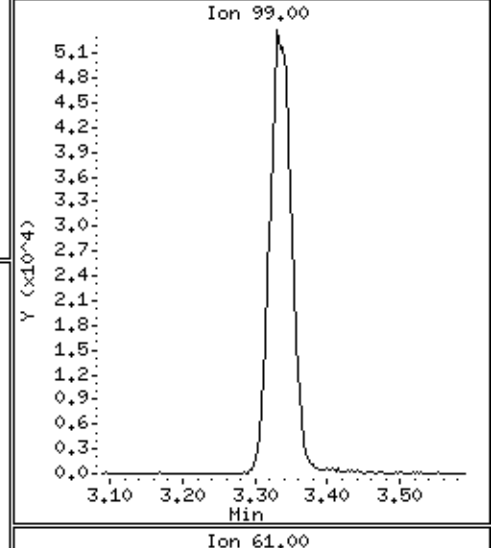
37 1,1,1-Trichloroethane

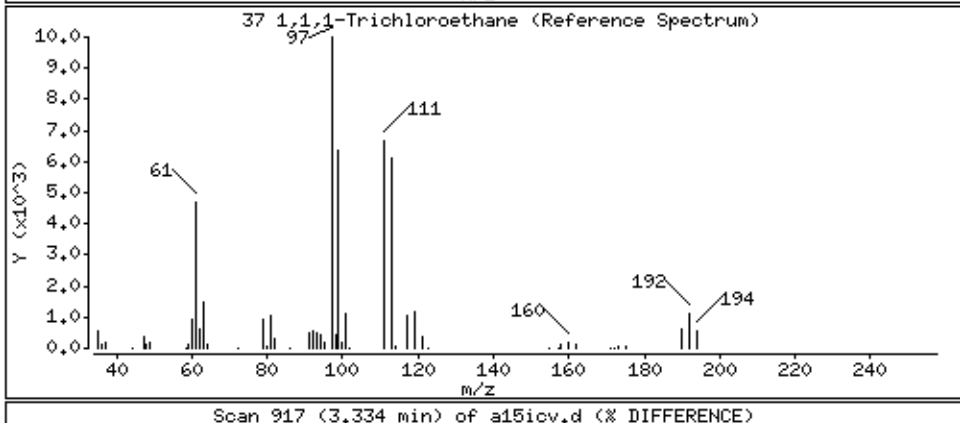
Concentration: 43.7 ppb

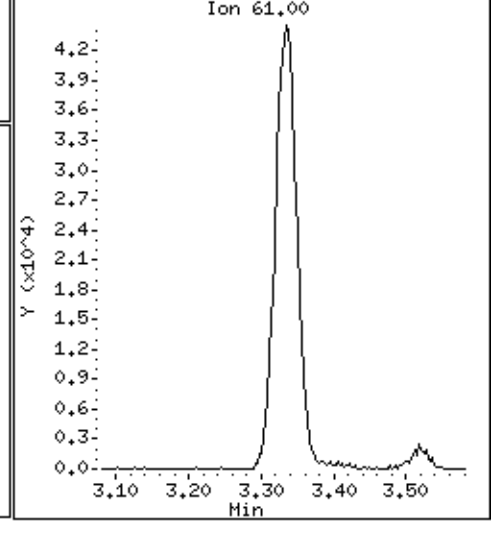


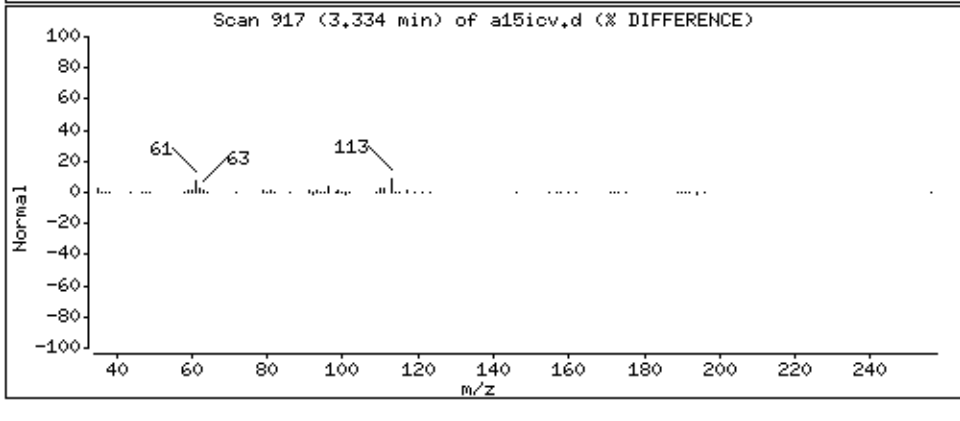












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

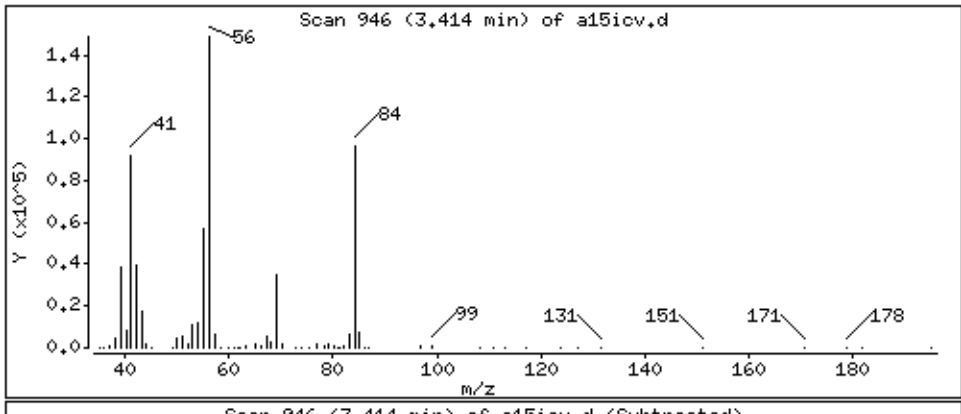
Operator: dae

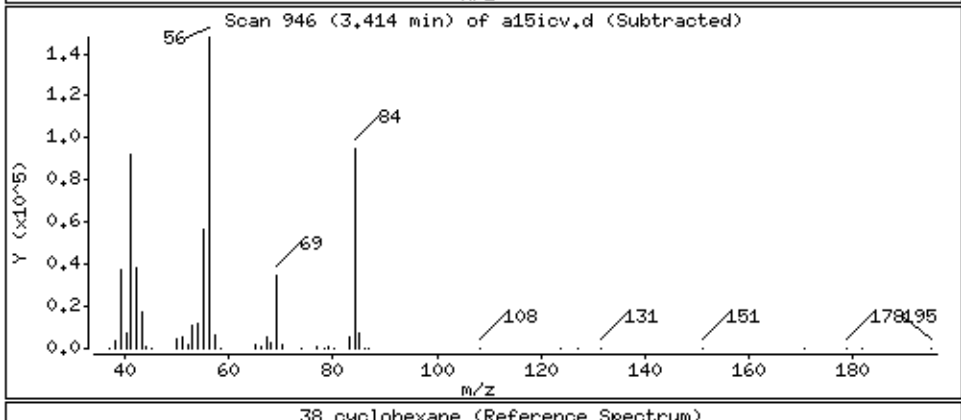
Column phase: DB-624

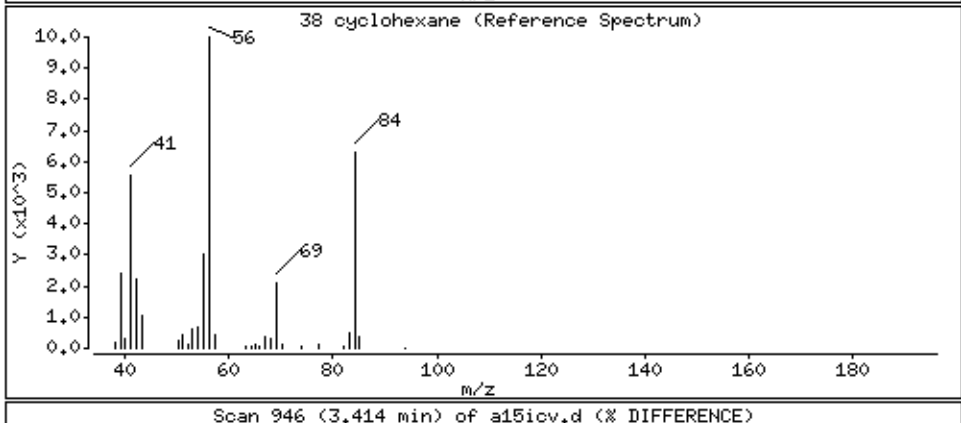
Column diameter: 0.18

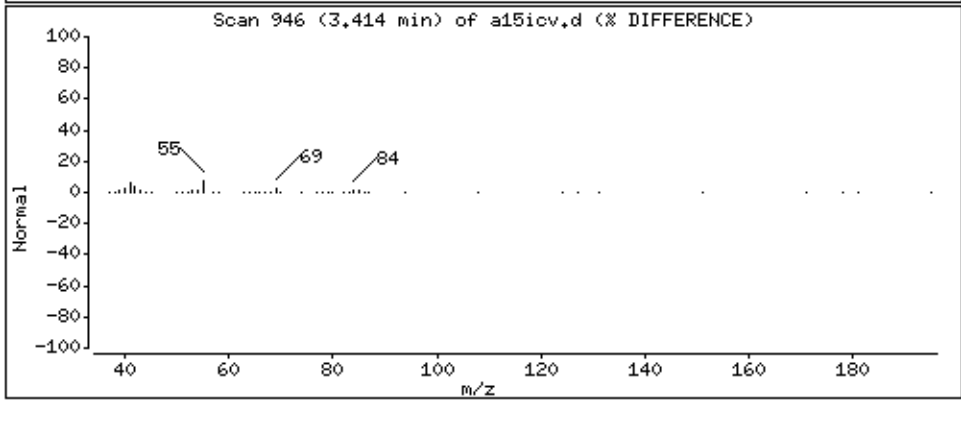
38 cyclohexane

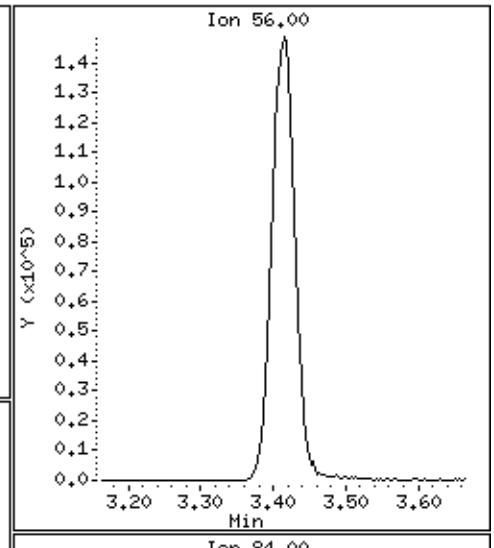
Concentration: 53.1 ppb

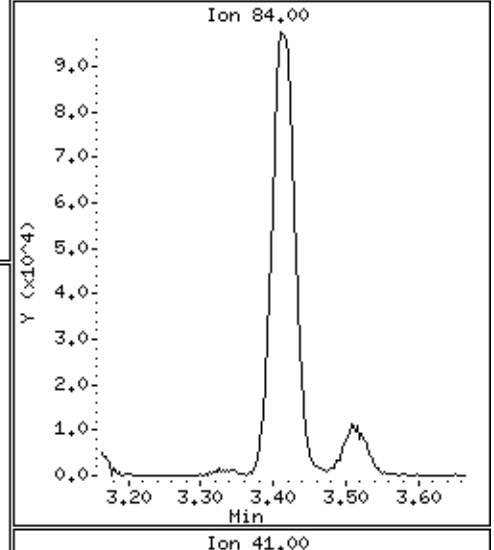


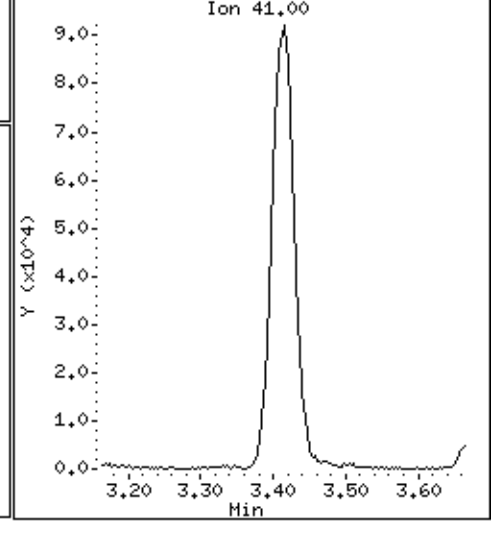












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

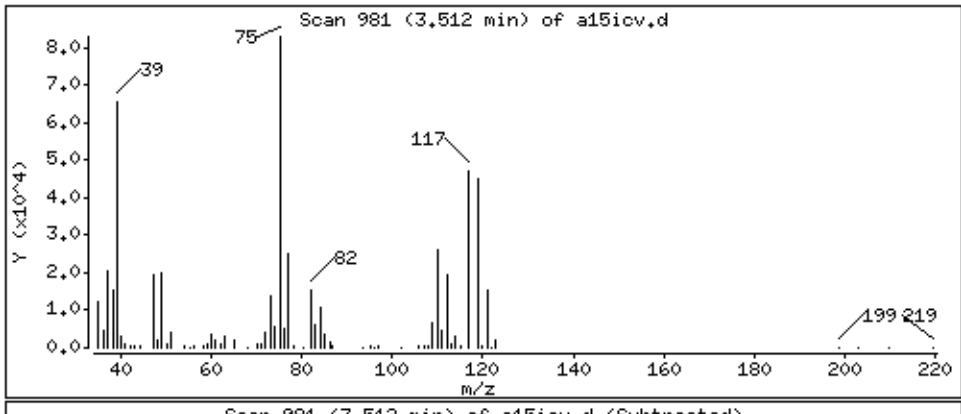
Operator: dae

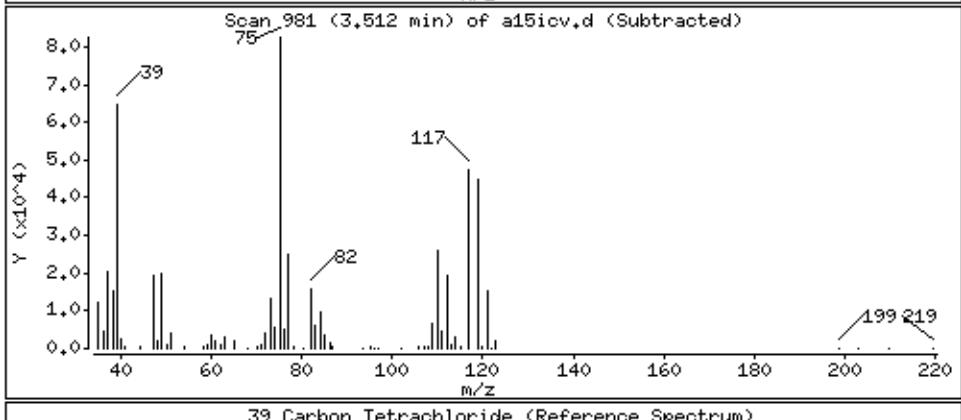
Column phase: DB-624

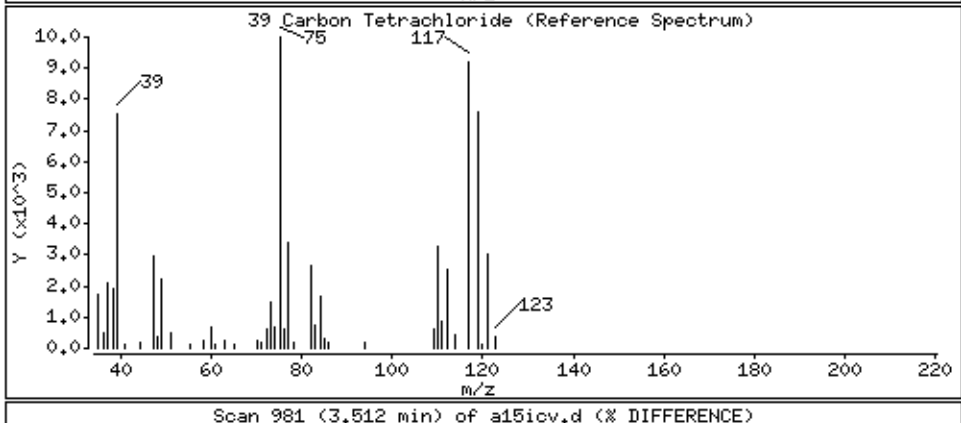
Column diameter: 0.18

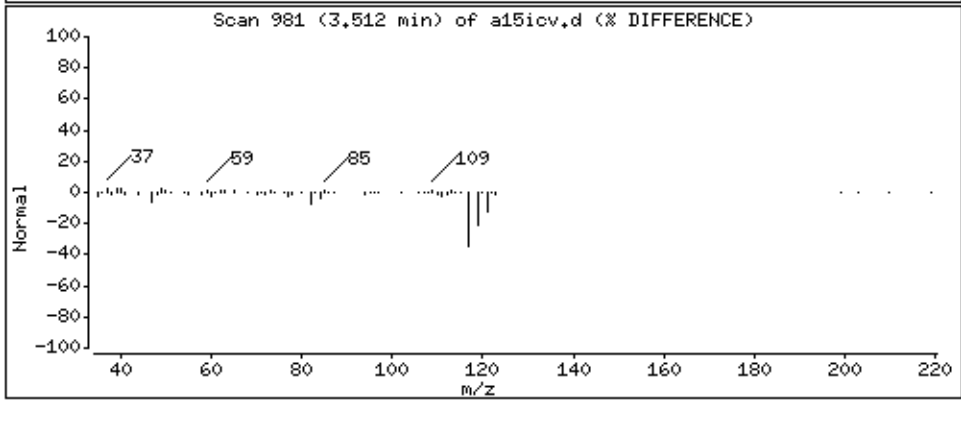
39 Carbon Tetrachloride

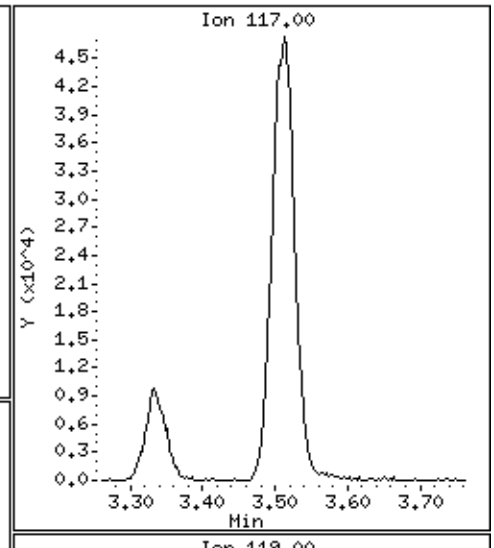
Concentration: 46.0 ppb

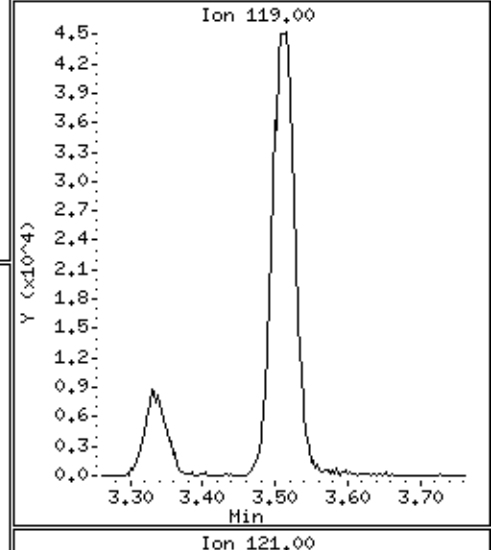


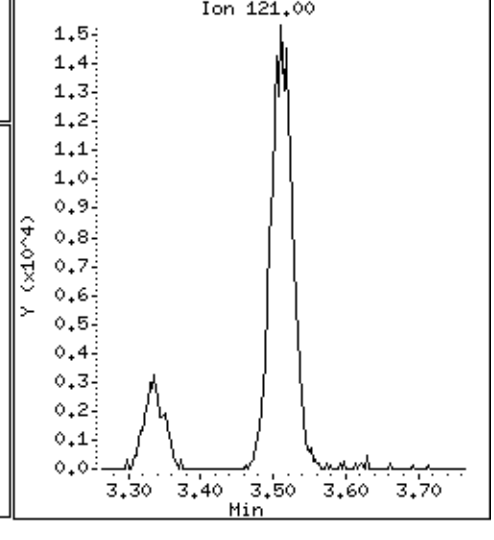












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

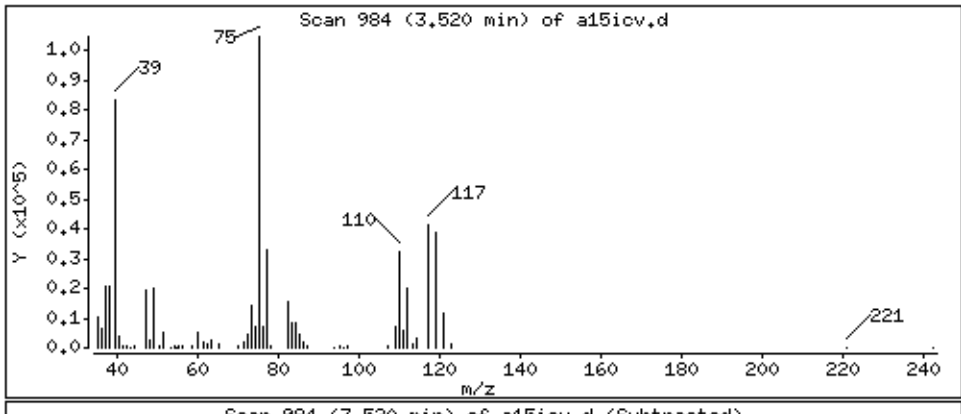
Operator: dae

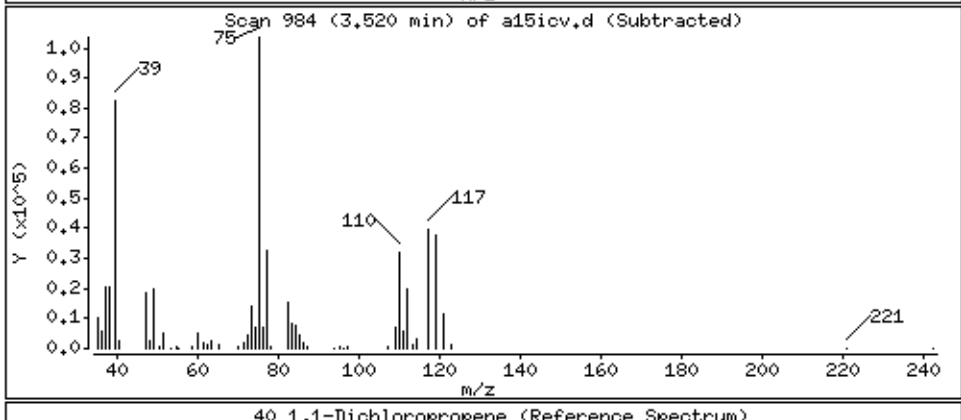
Column phase: DB-624

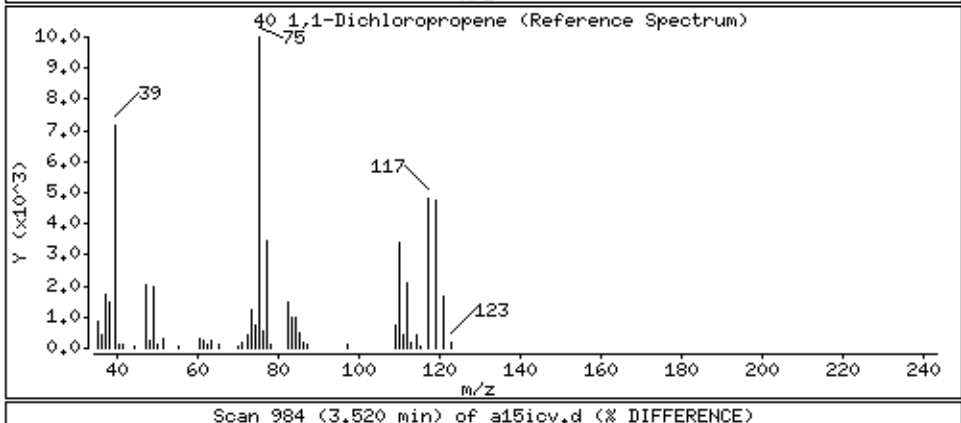
Column diameter: 0.18

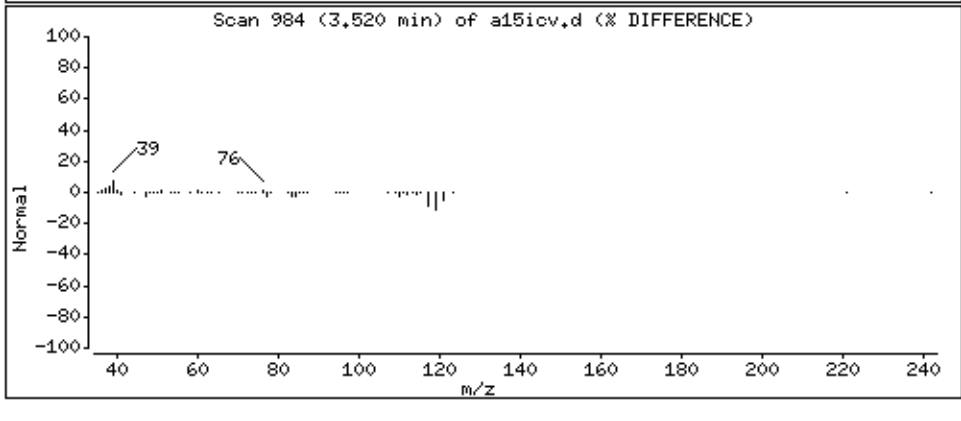
40 1,1-Dichloropropene

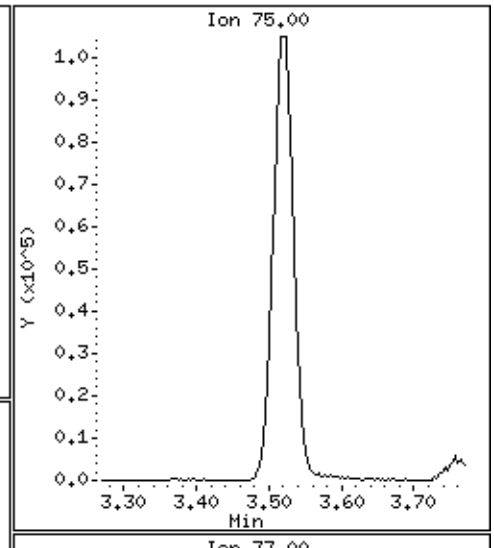
Concentration: 49.9 ppb

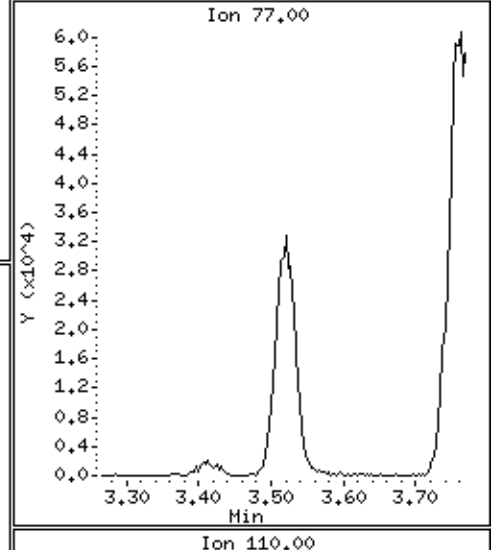


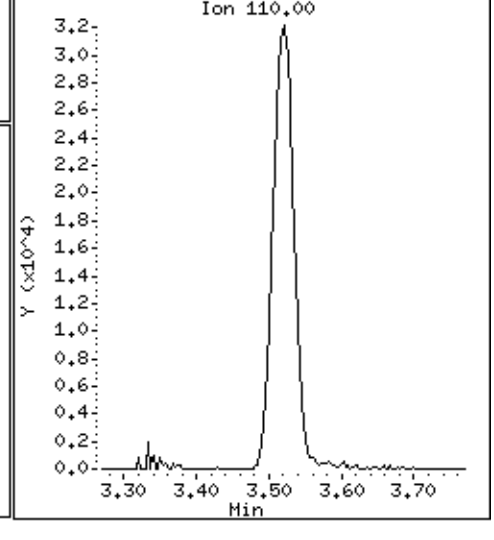












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

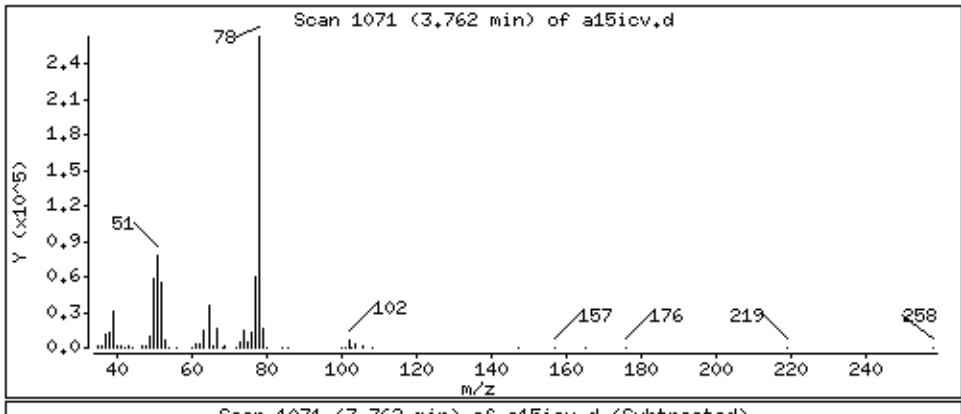
Operator: dae

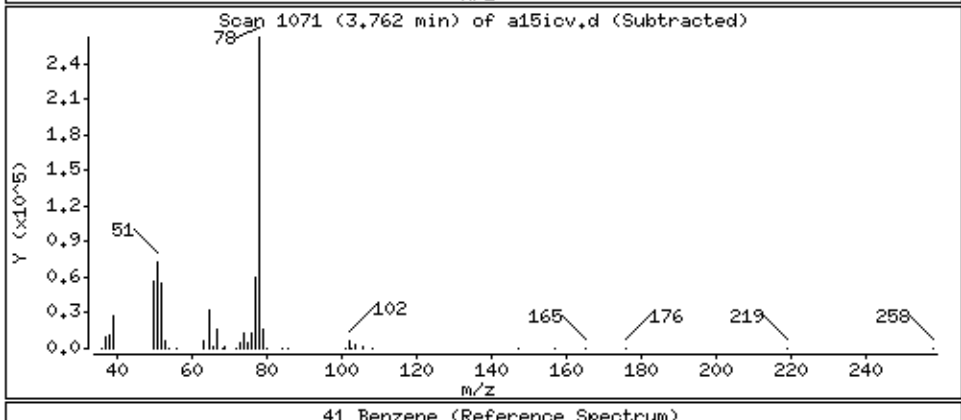
Column phase: DB-624

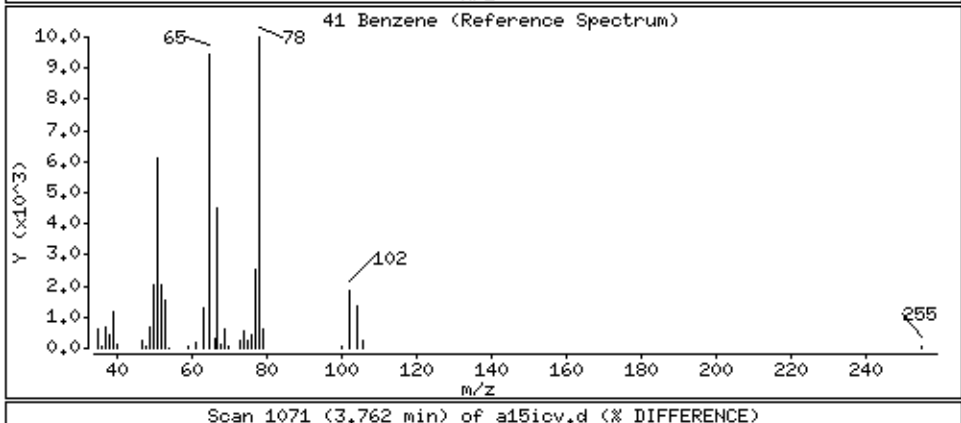
Column diameter: 0.18

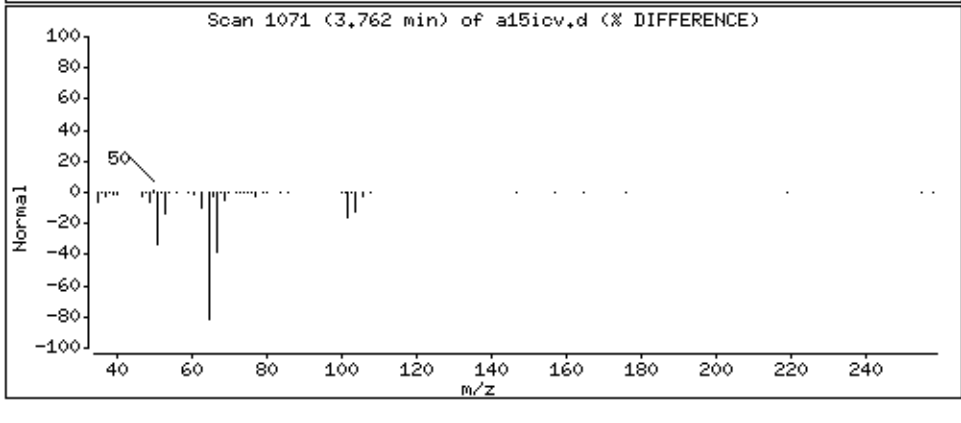
41 Benzene

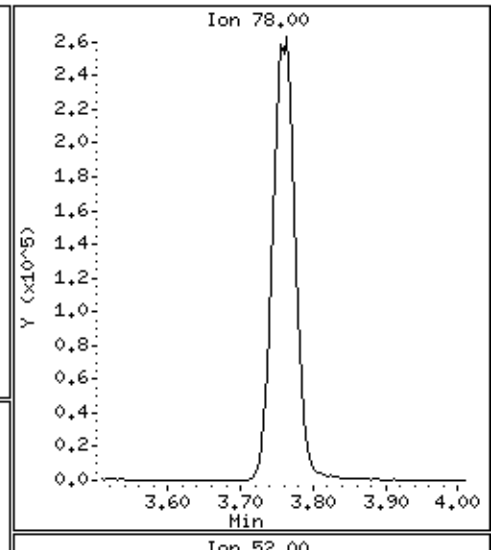
Concentration: 51.0 ppb

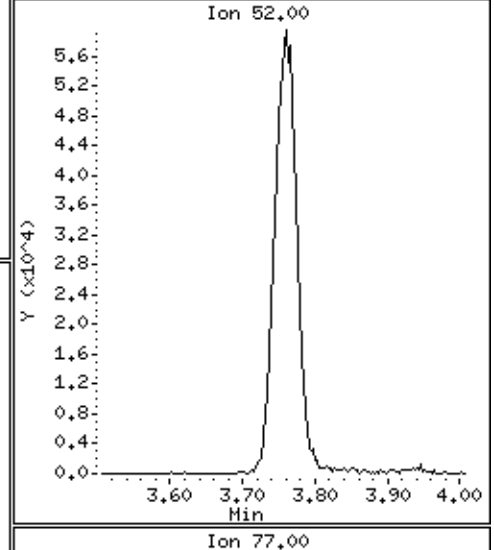


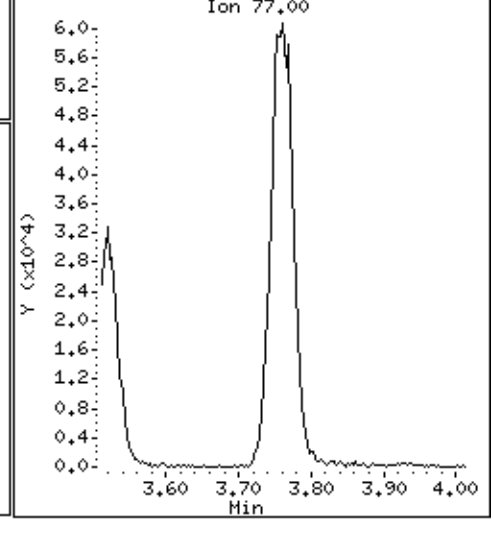












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

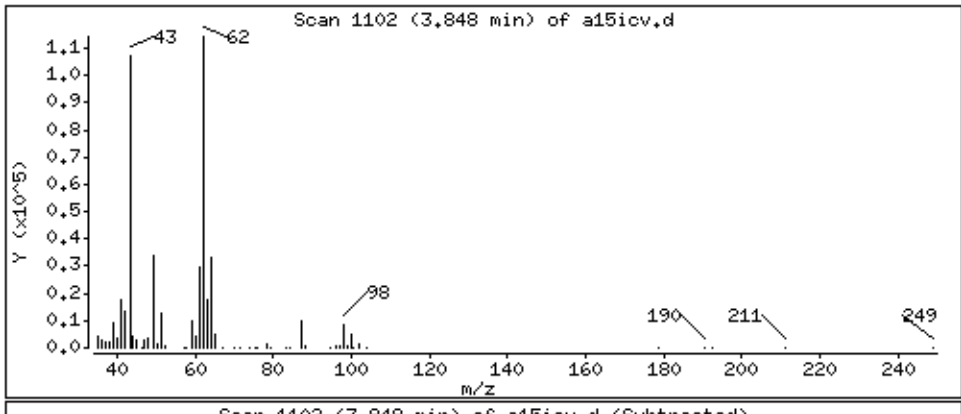
Operator: dae

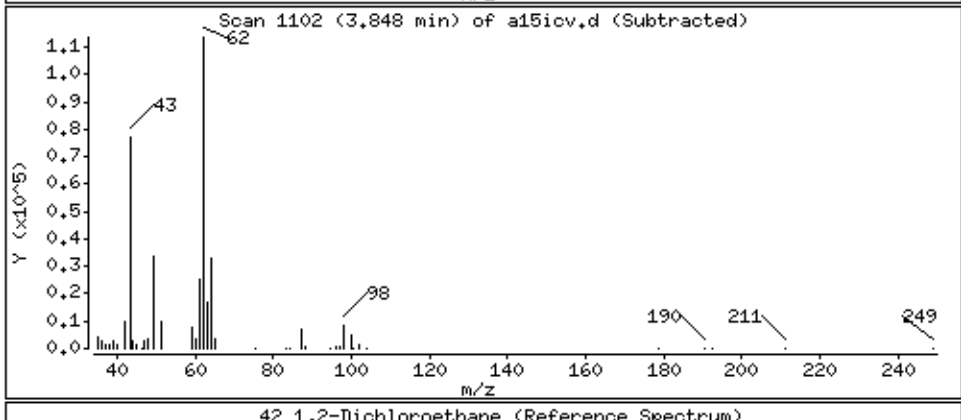
Column phase: DB-624

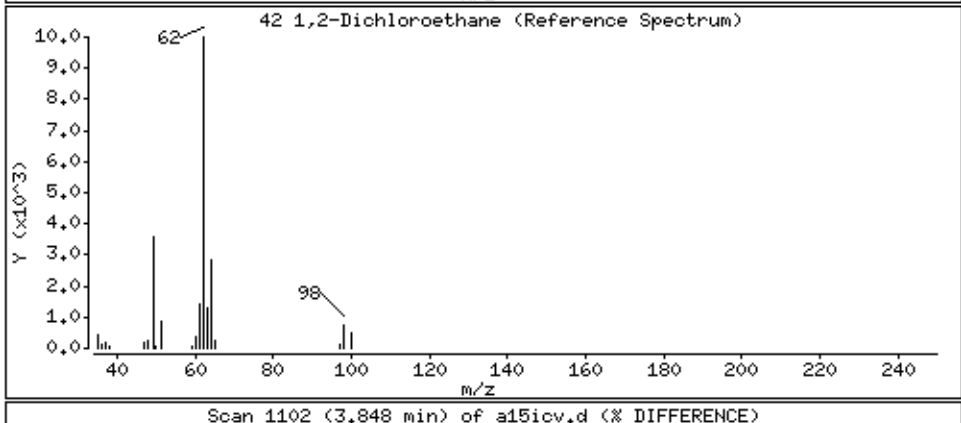
Column diameter: 0.18

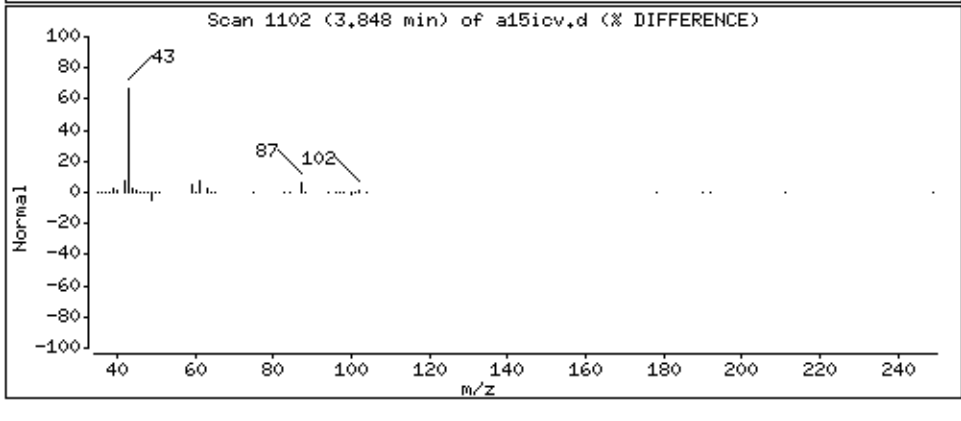
42 1,2-Dichloroethane

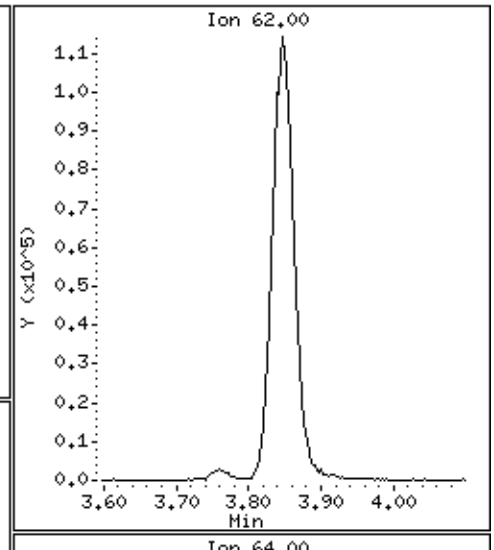
Concentration: 50.8 ppb

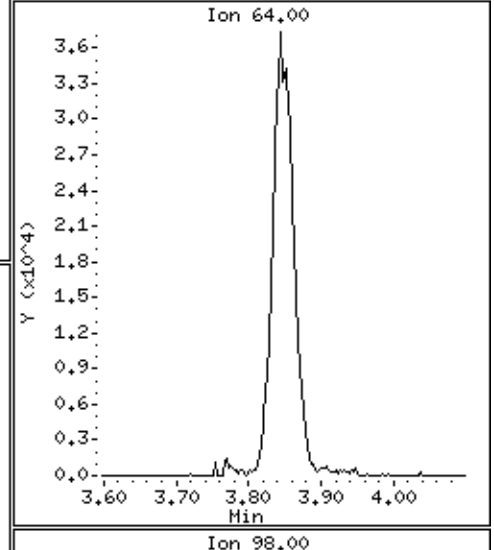


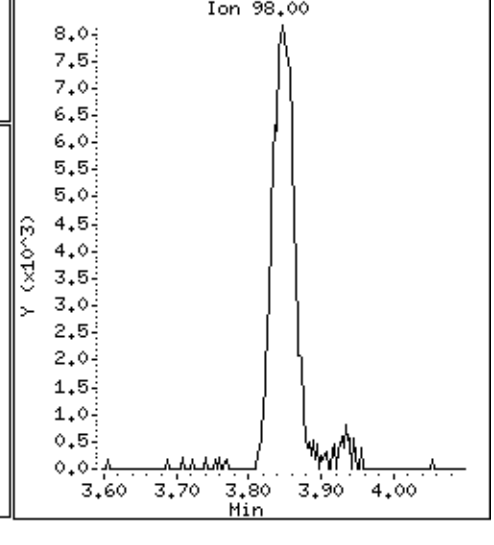












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

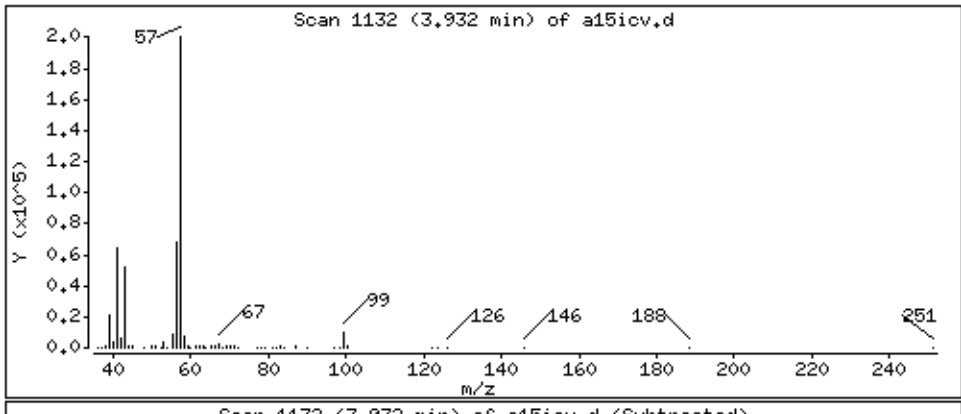
Operator: dae

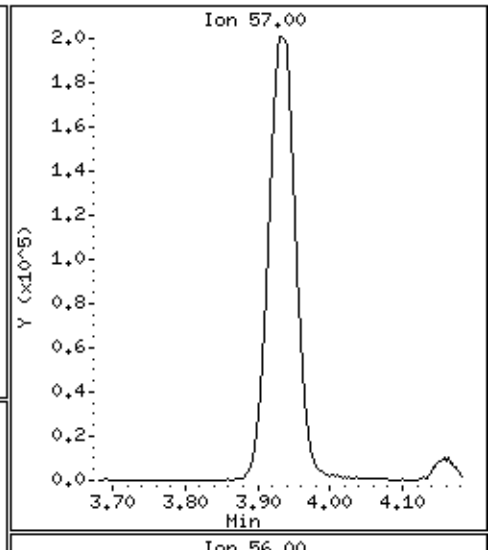
Column phase: DB-624

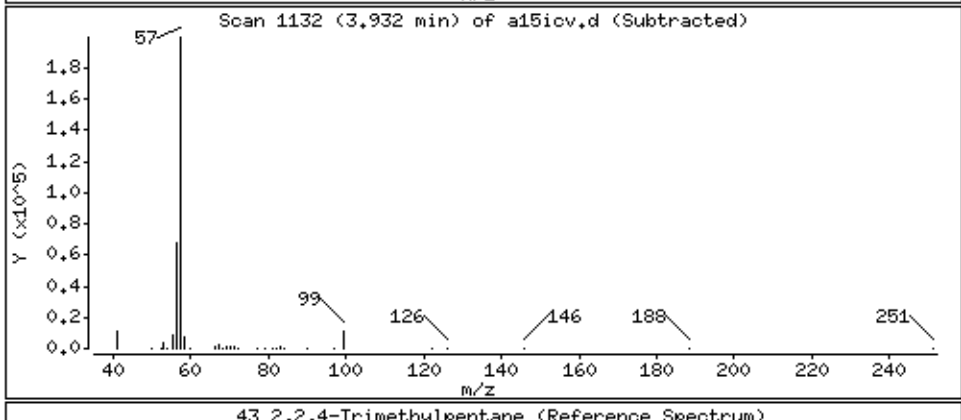
Column diameter: 0.18

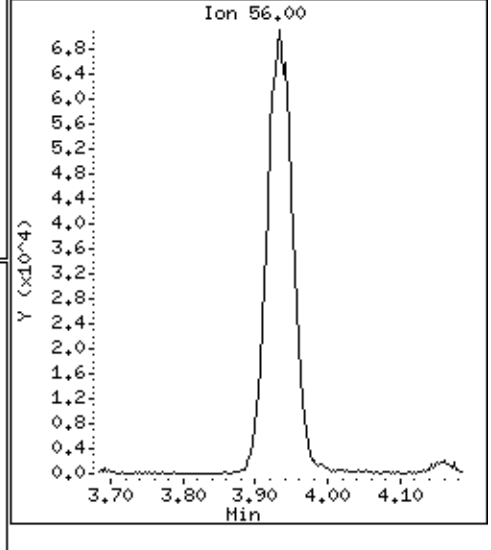
43 2,2,4-Trimethylpentane

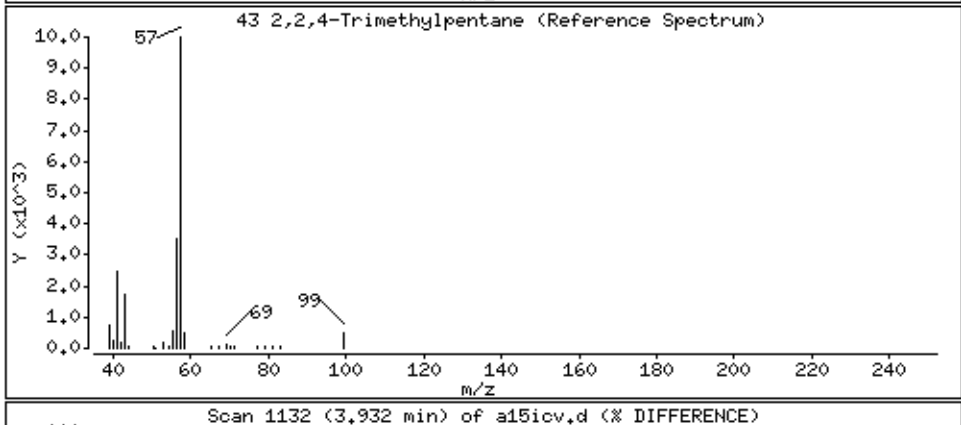
Concentration: 48.0 ppb

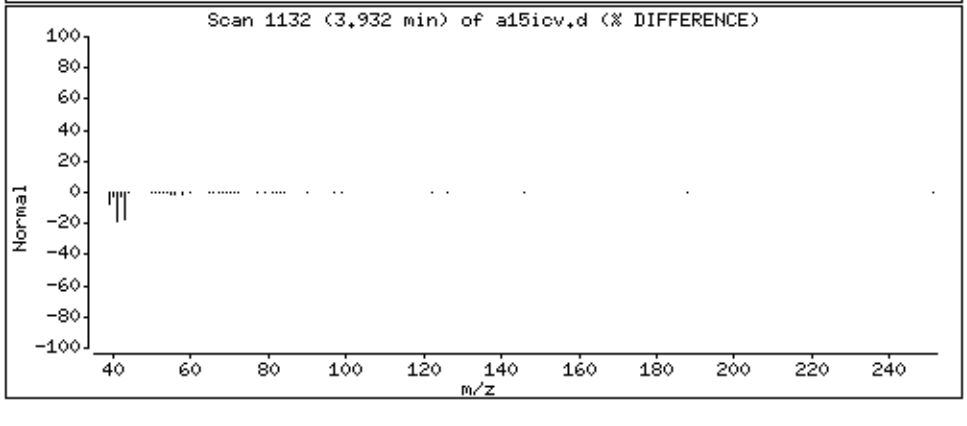












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

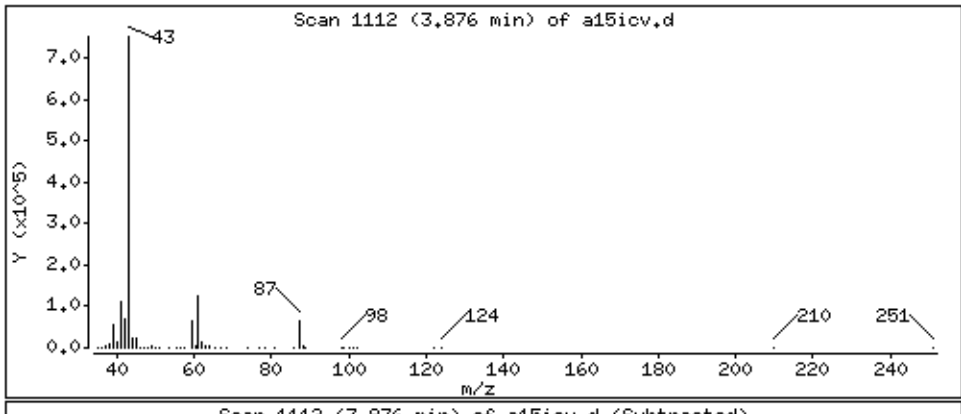
Operator: dae

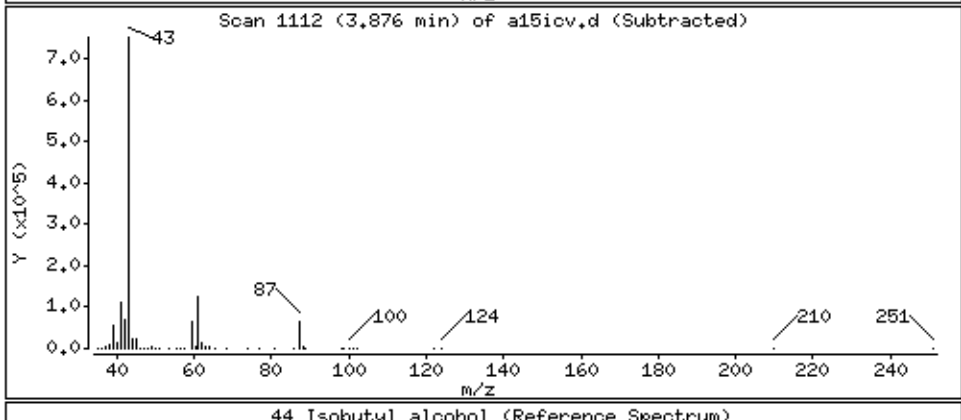
Column phase: DB-624

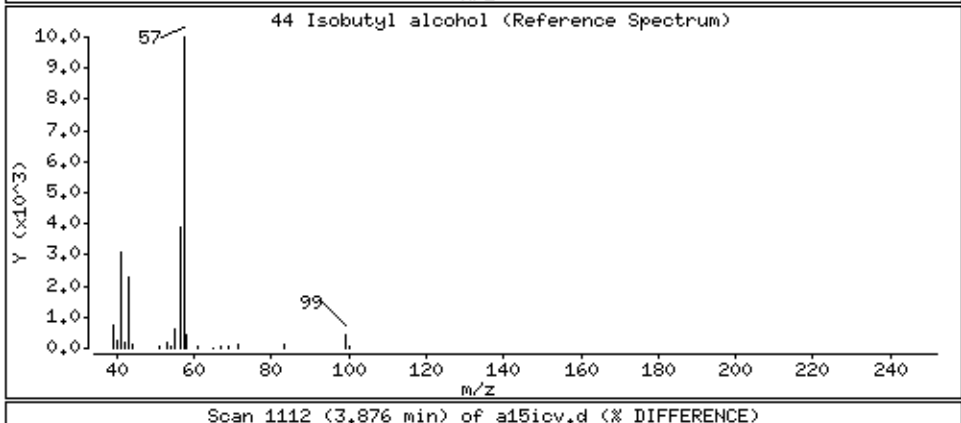
Column diameter: 0.18

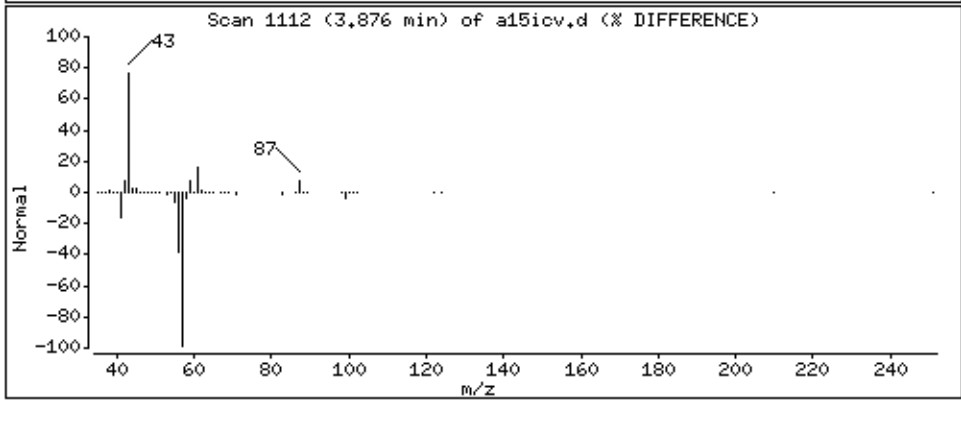
44 Isobutyl alcohol

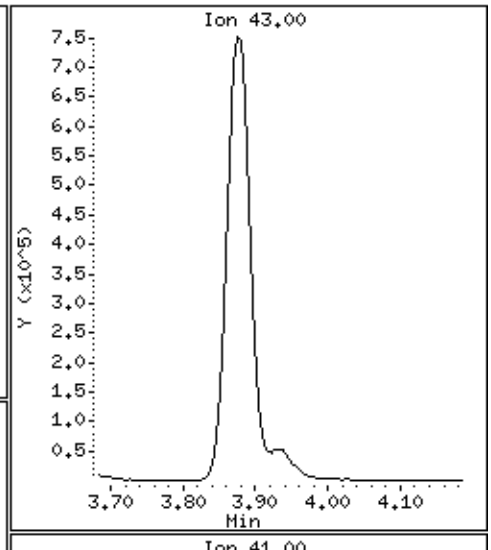
Concentration: 805 ppb

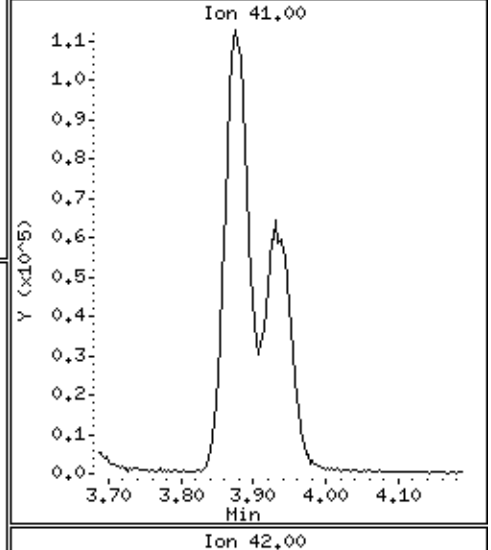


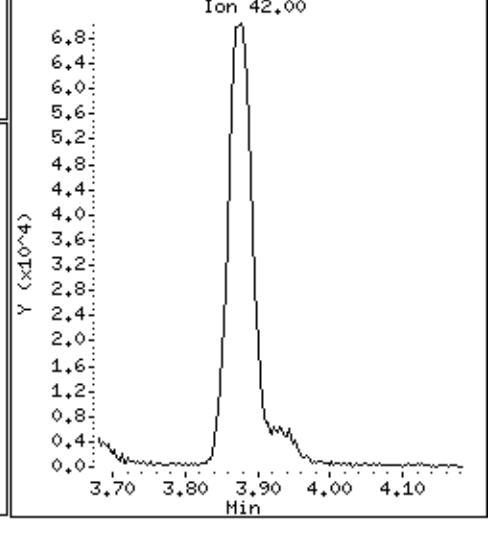












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

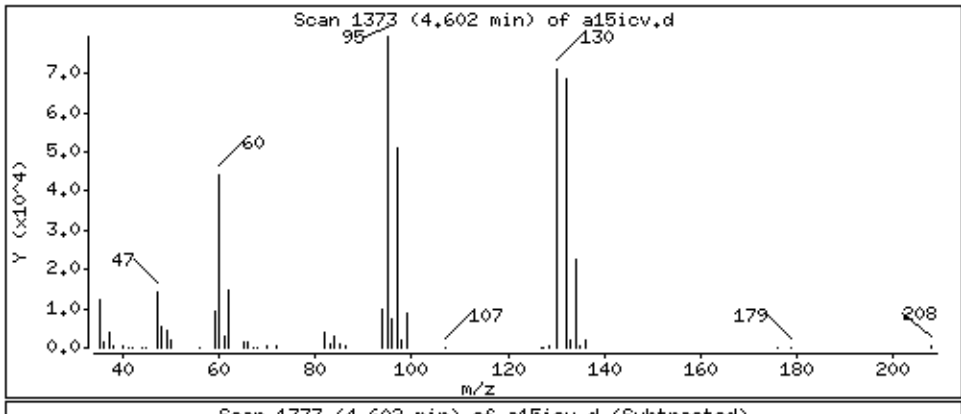
Operator: dae

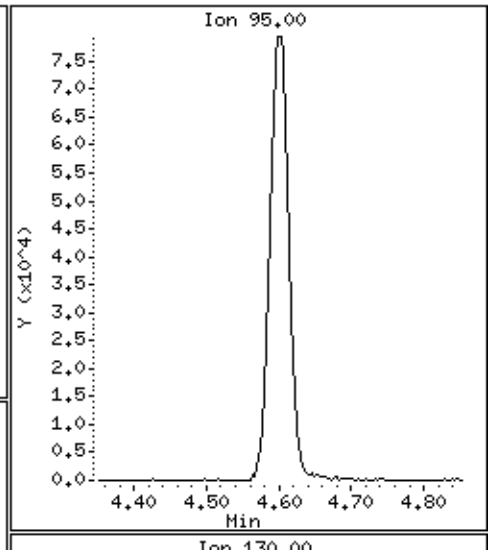
Column phase: DB-624

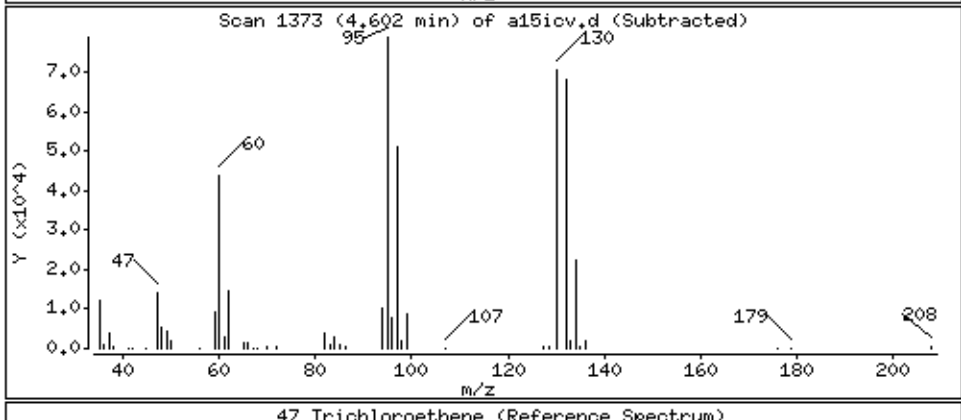
Column diameter: 0.18

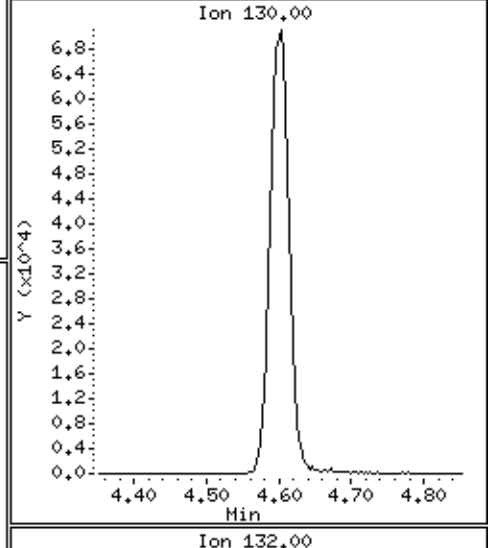
47 Trichloroethene

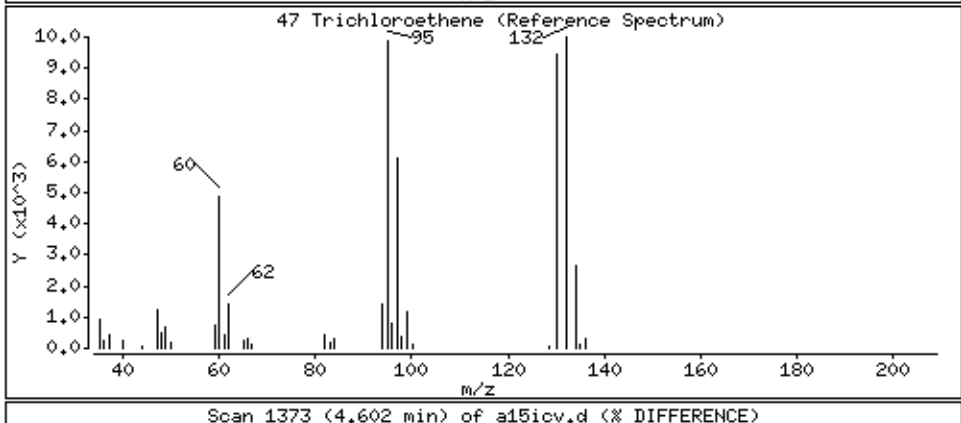
Concentration: 46.5 ppb

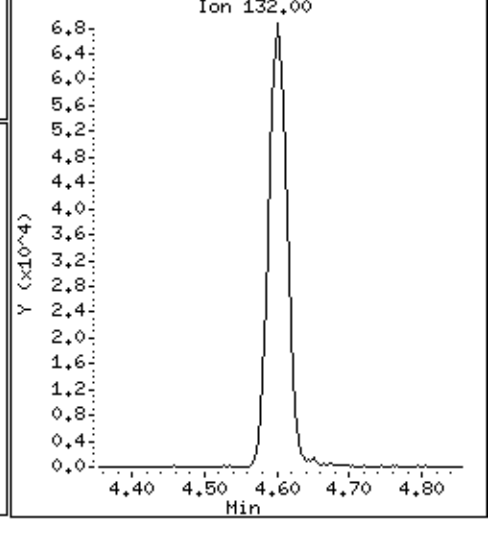


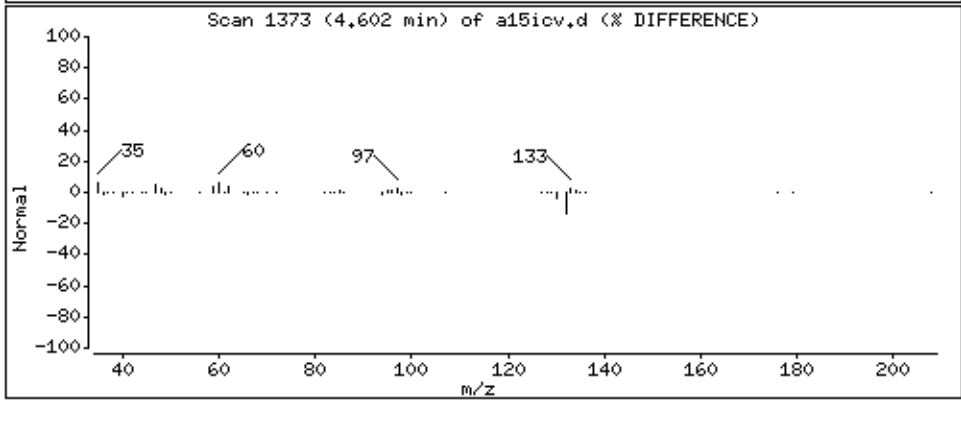












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

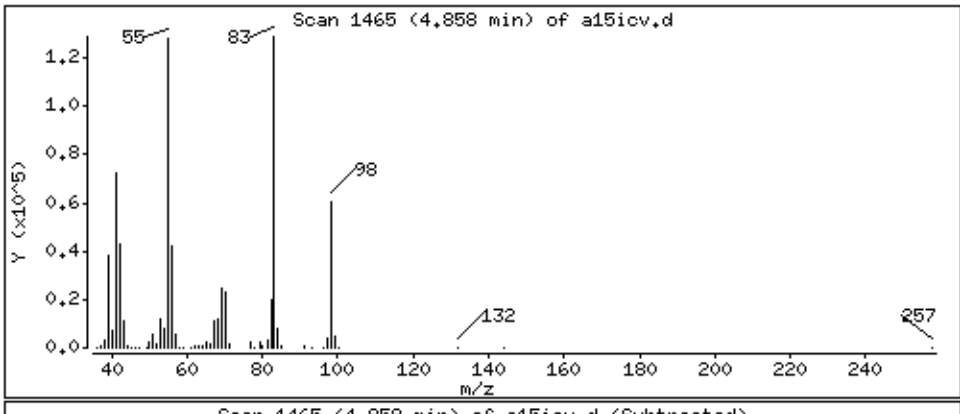
Operator: dae

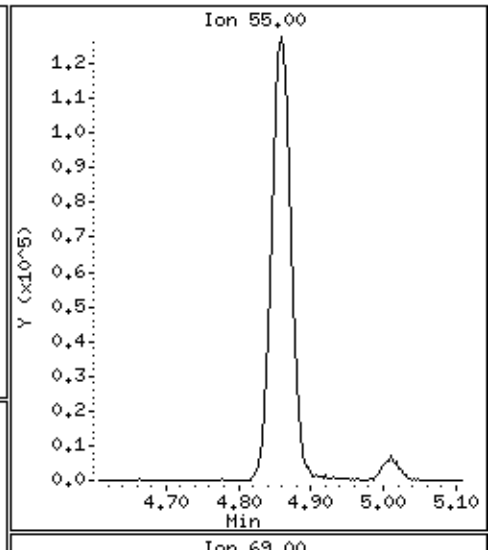
Column phase: DB-624

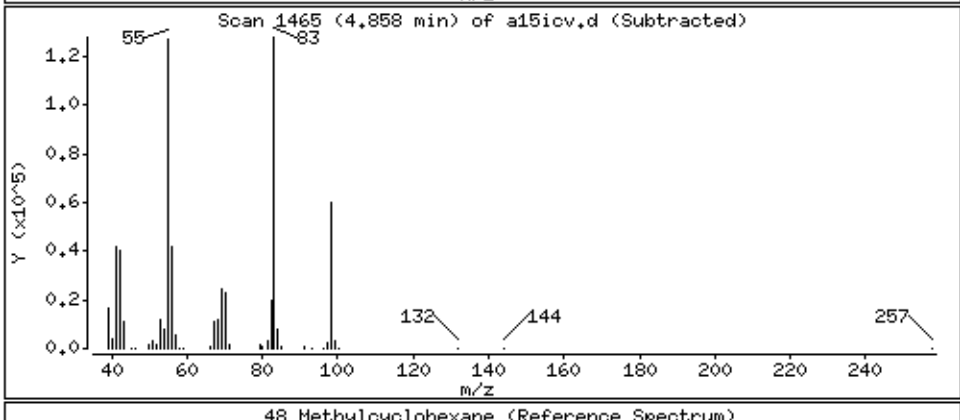
Column diameter: 0.18

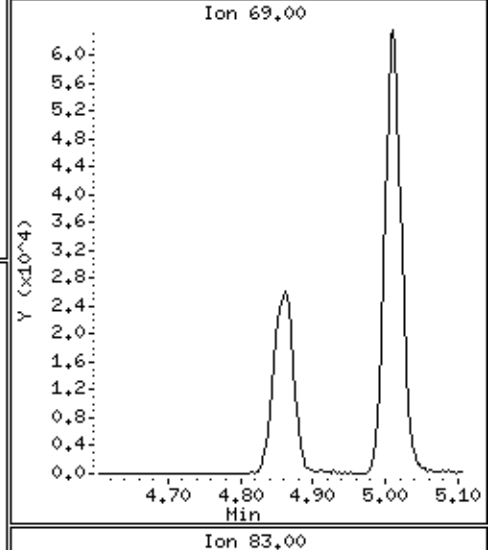
48 Methylcyclohexane

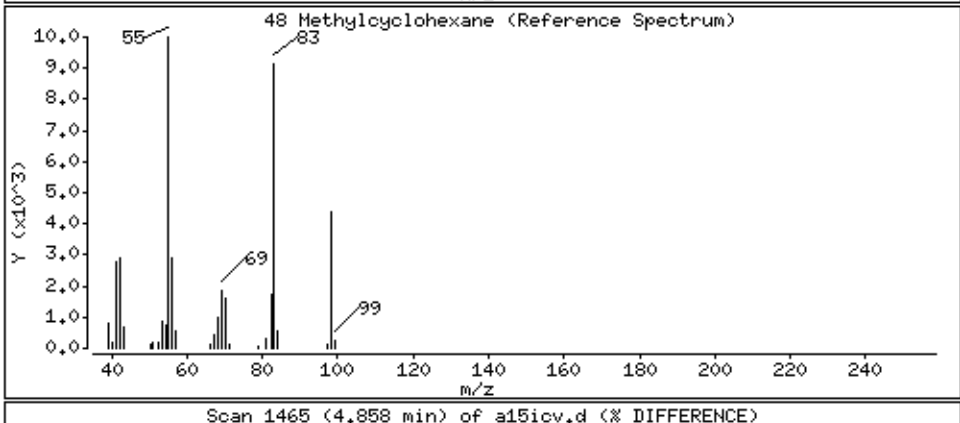
Concentration: 50.3 ppb

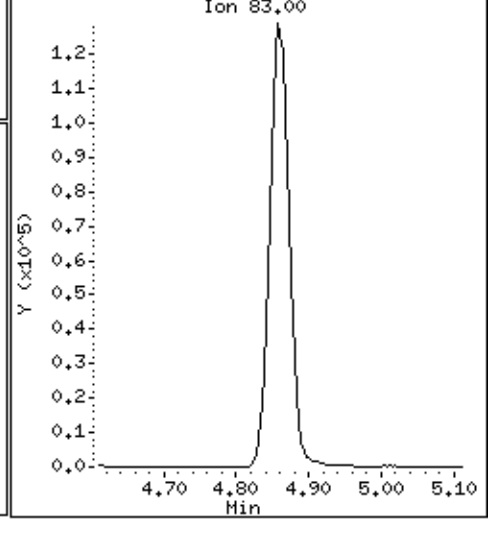


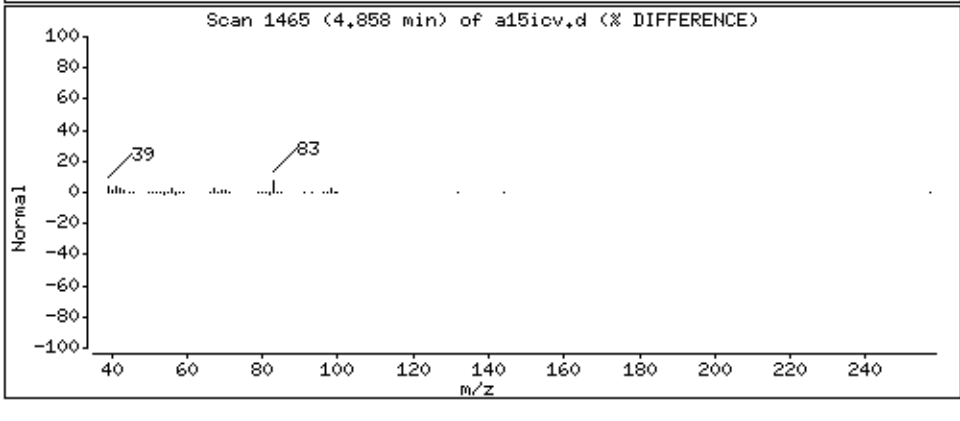












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

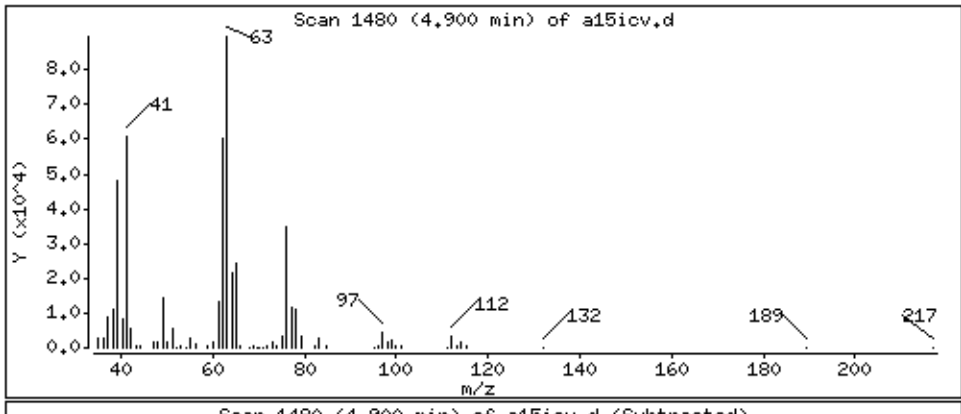
Operator: dae

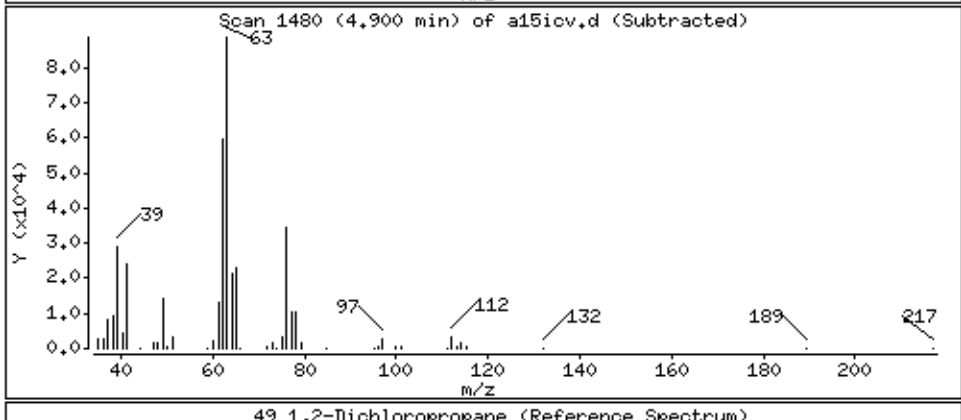
Column phase: DB-624

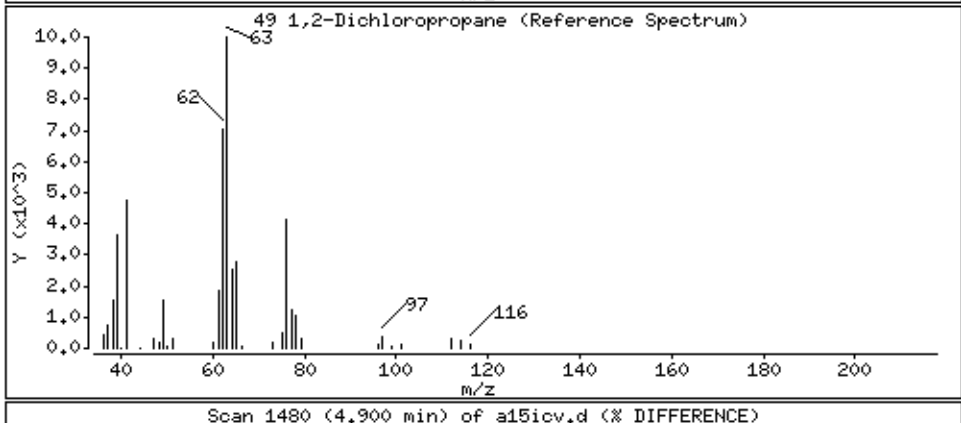
Column diameter: 0.18

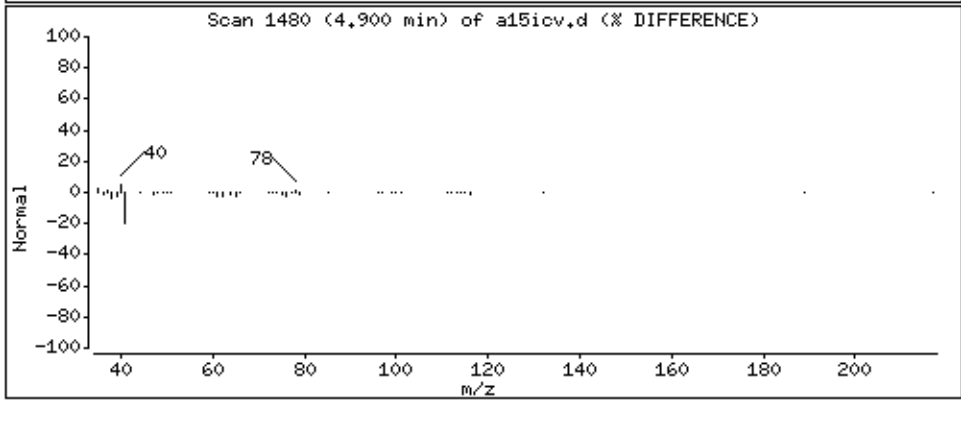
49 1,2-Dichloropropane

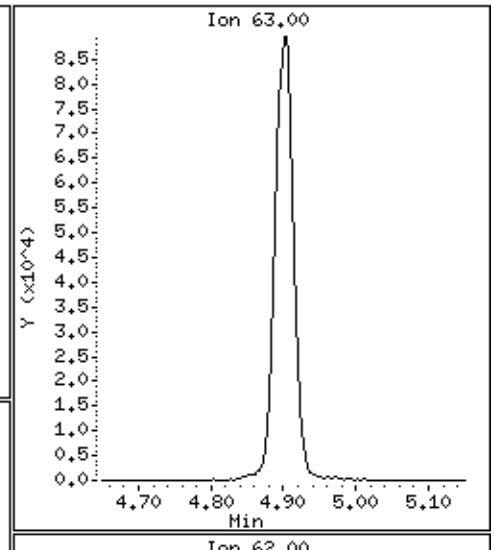
Concentration: 51.8 ppb

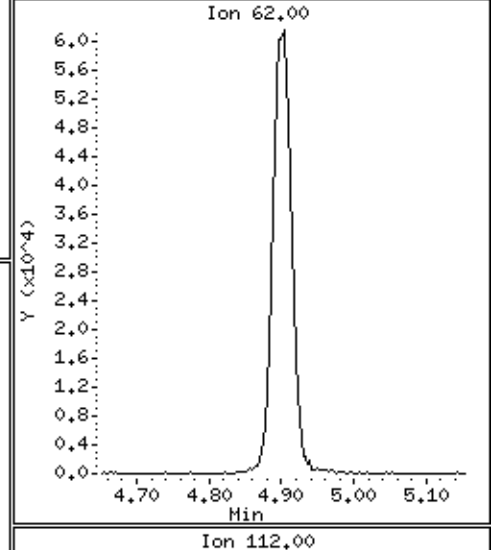


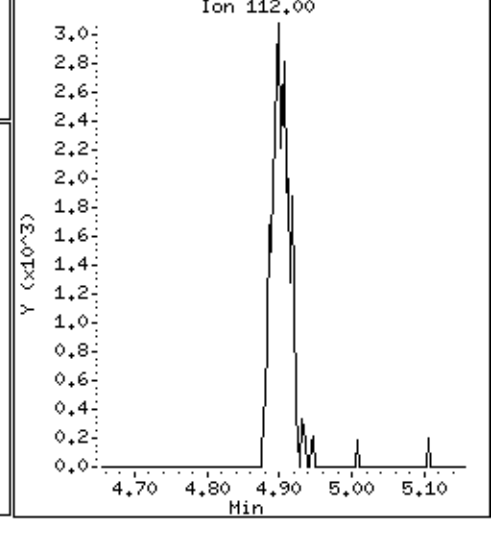












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

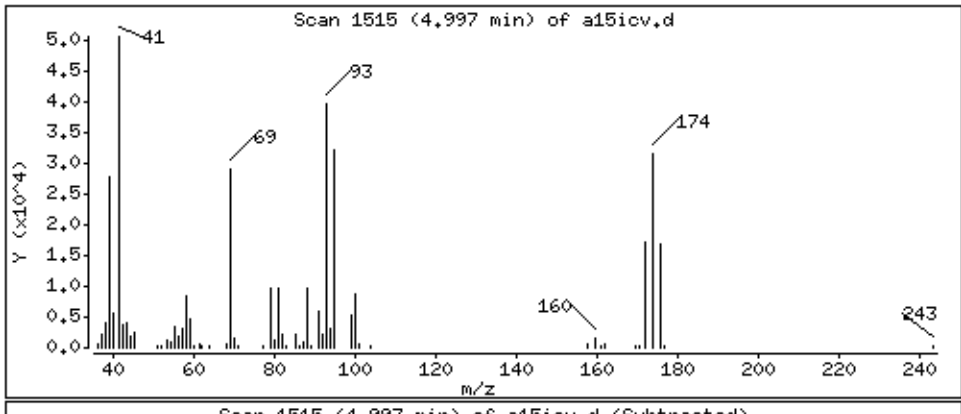
Operator: dae

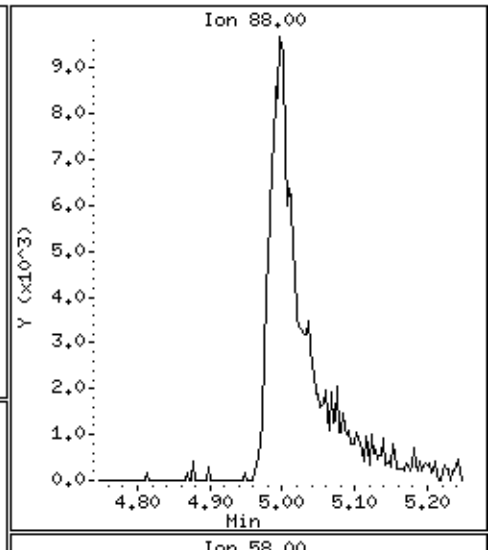
Column phase: DB-624

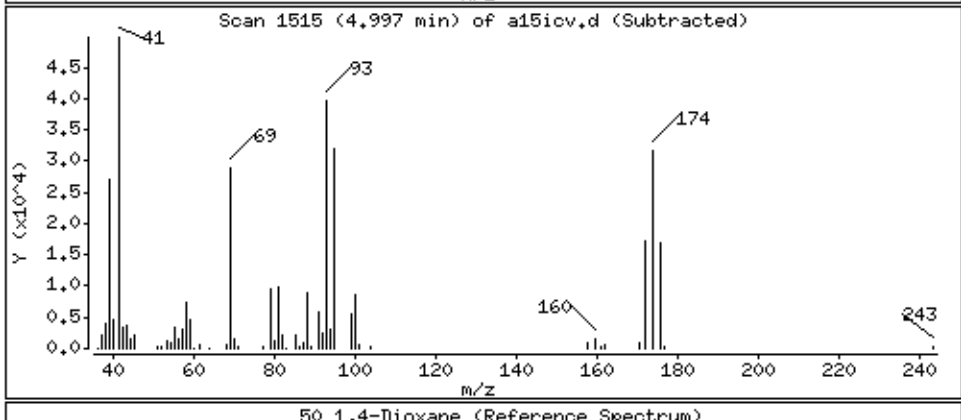
Column diameter: 0.18

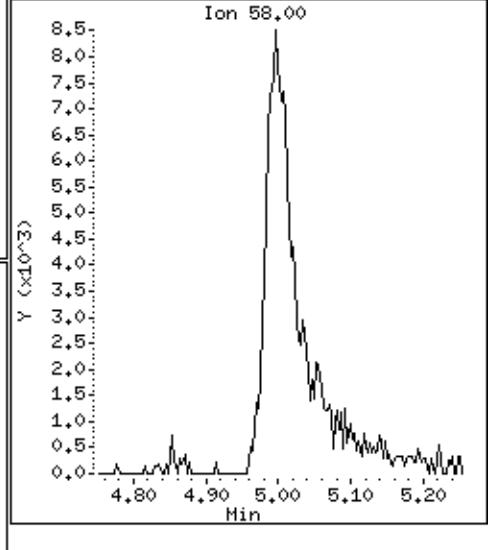
50 1,4-Dioxane

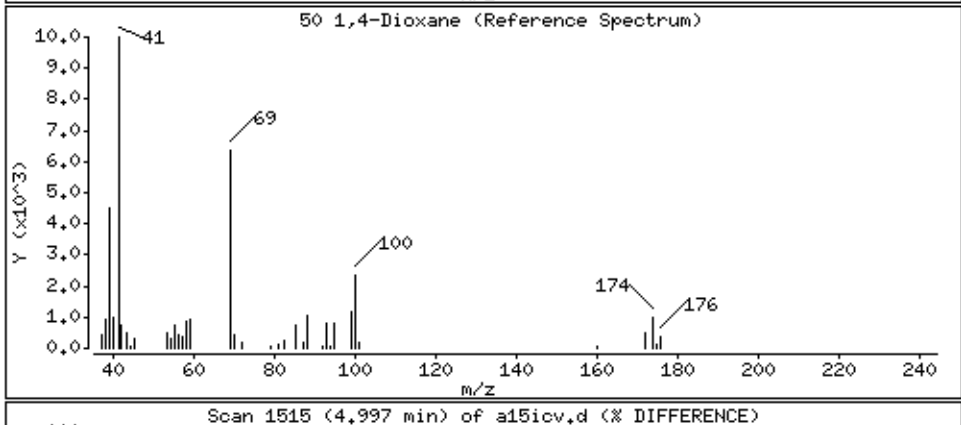
Concentration: 43.6 ppb

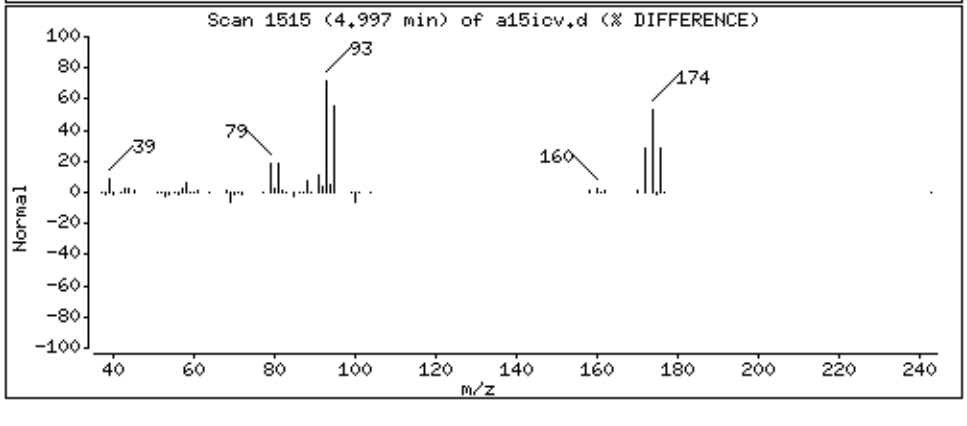












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

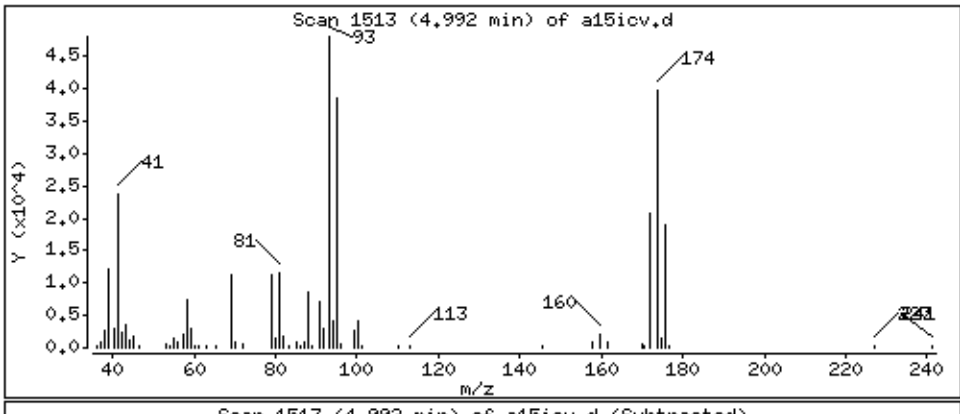
Operator: dae

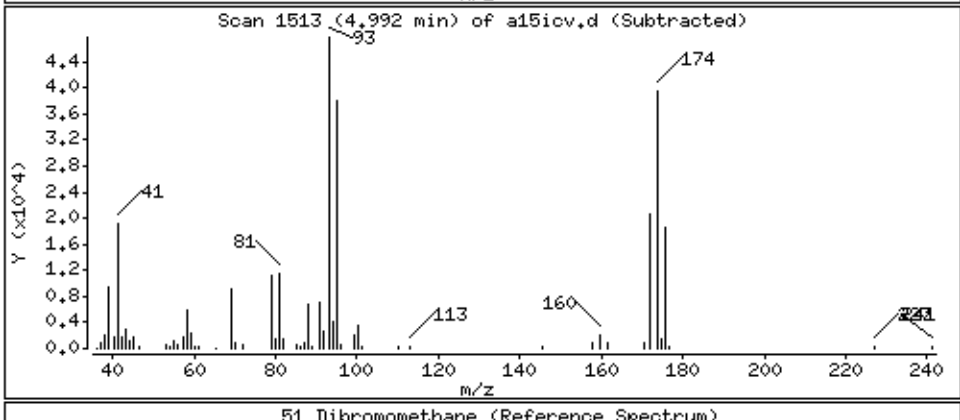
Column phase: DB-624

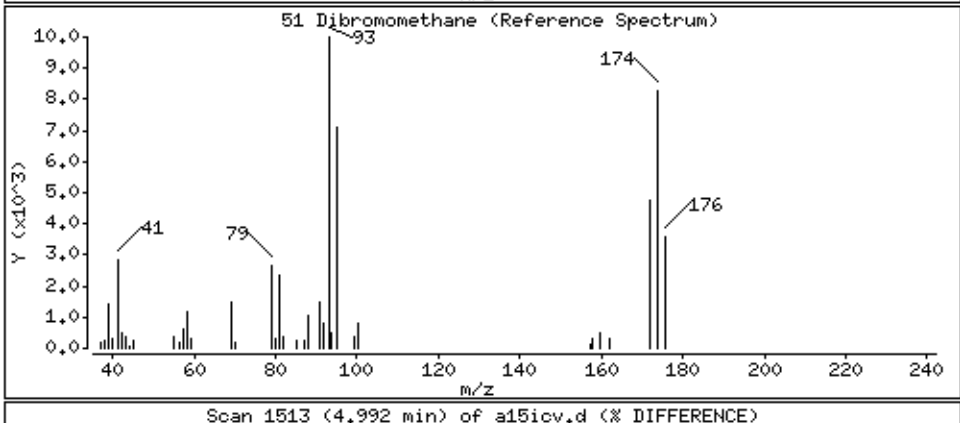
Column diameter: 0.18

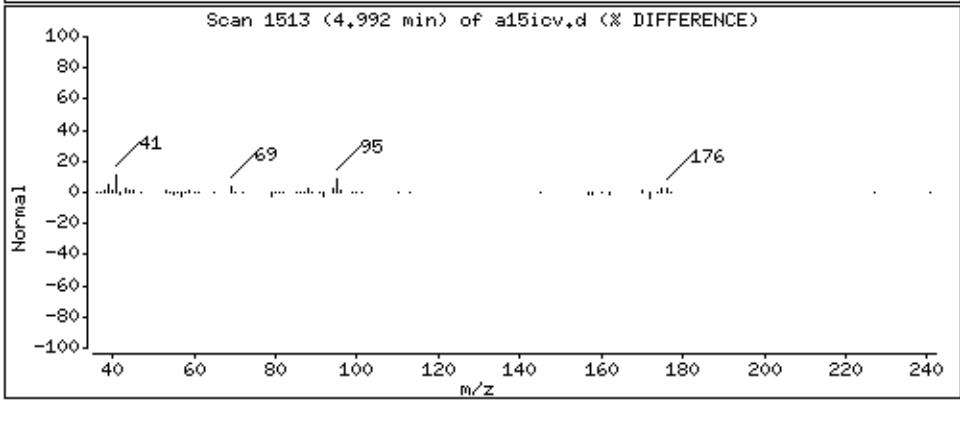
51 Dibromomethane

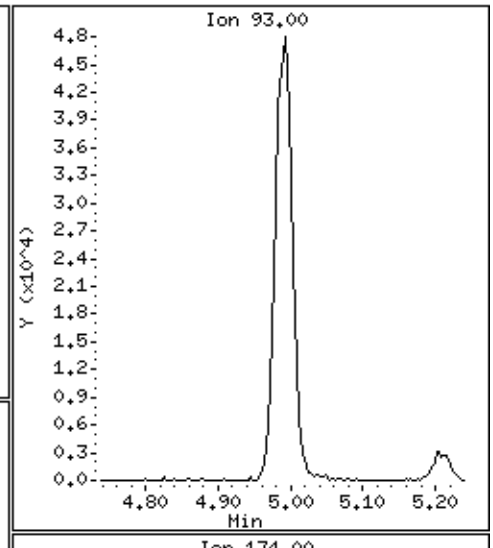
Concentration: 49.6 ppb

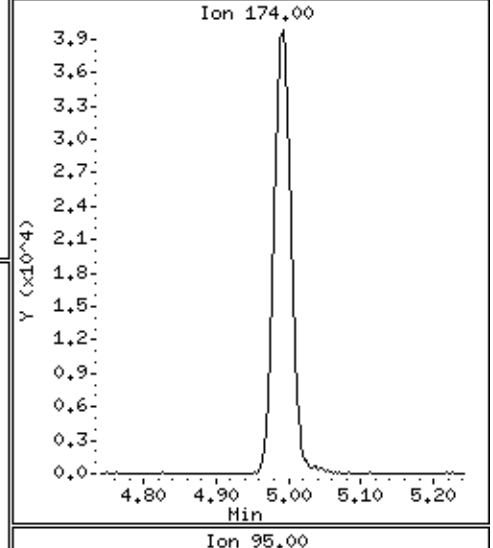


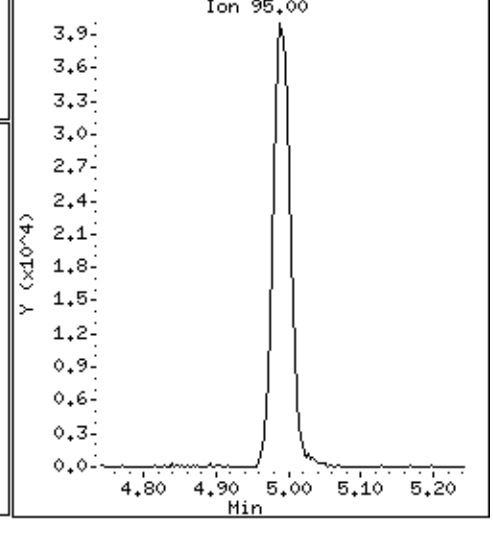












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

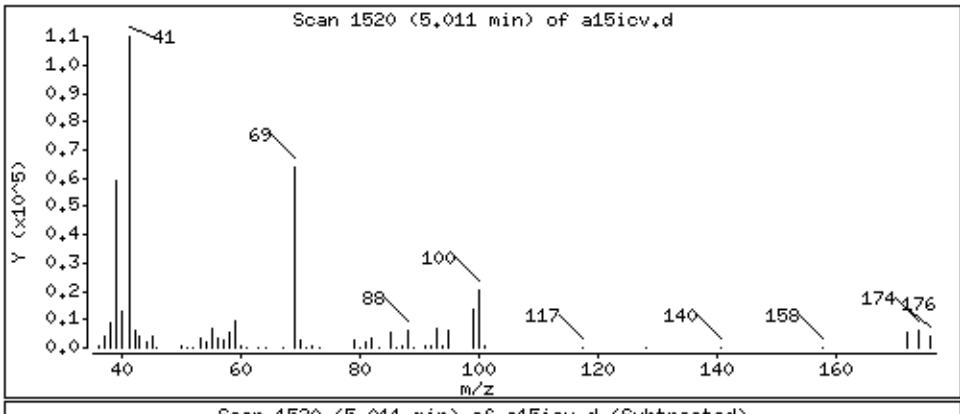
Operator: dae

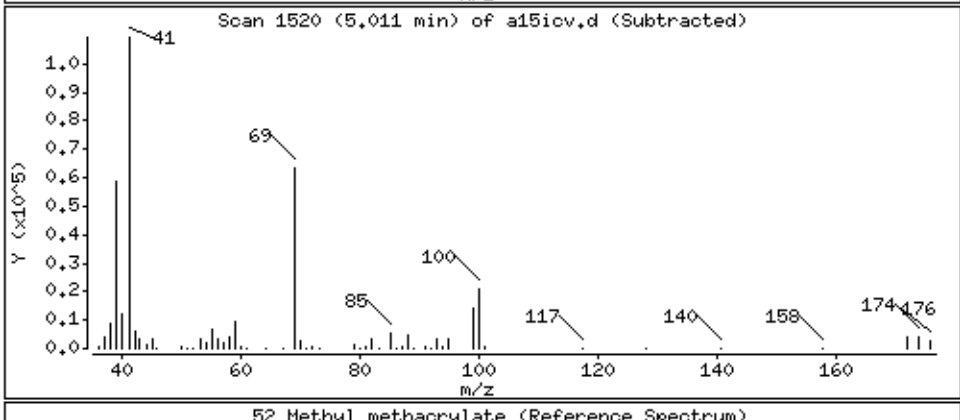
Column phase: DB-624

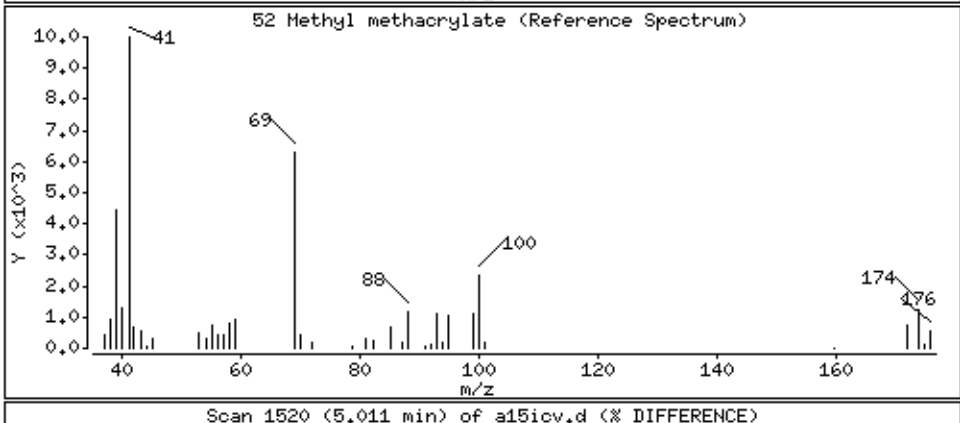
Column diameter: 0.18

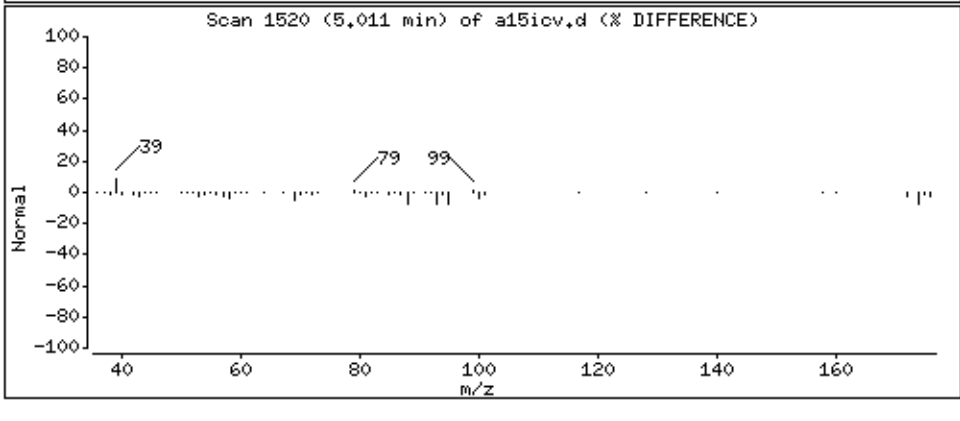
52 Methyl methacrylate

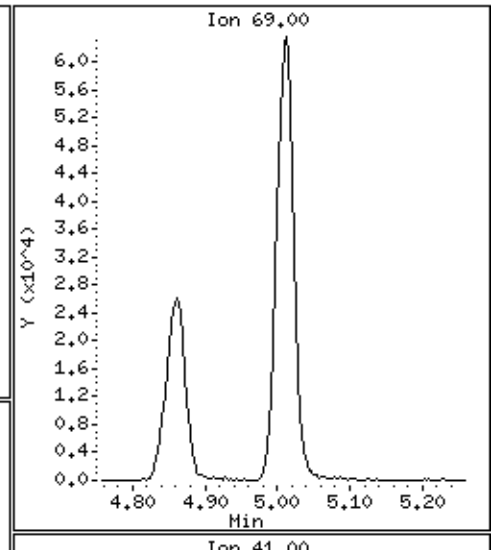
Concentration: 50.1 ppb

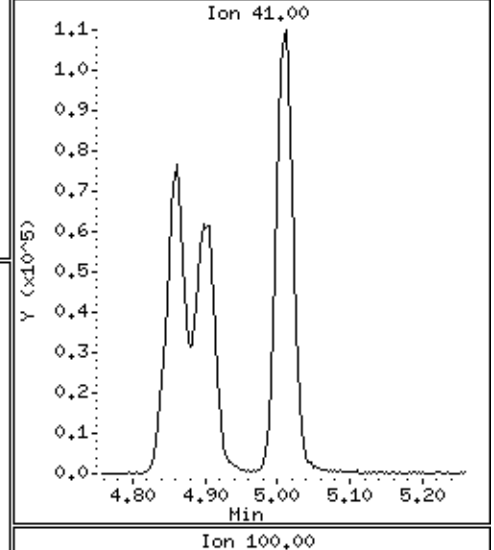


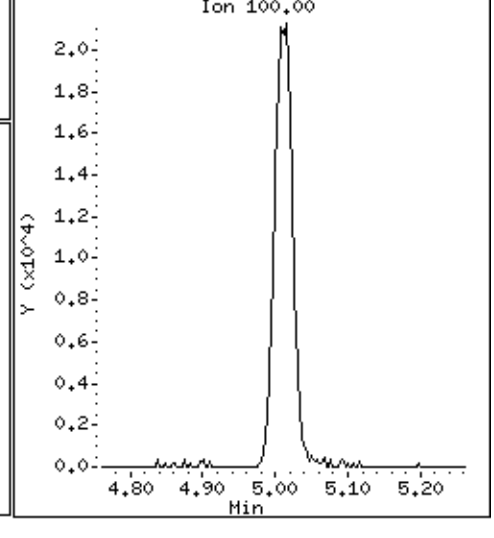












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

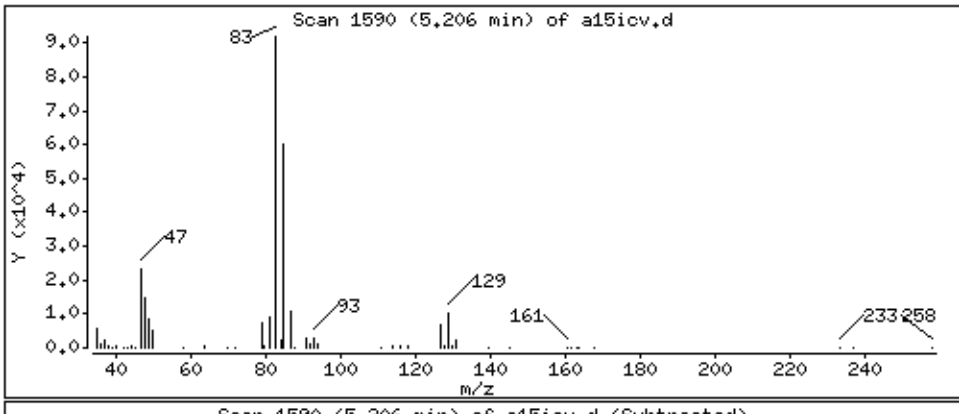
Operator: dae

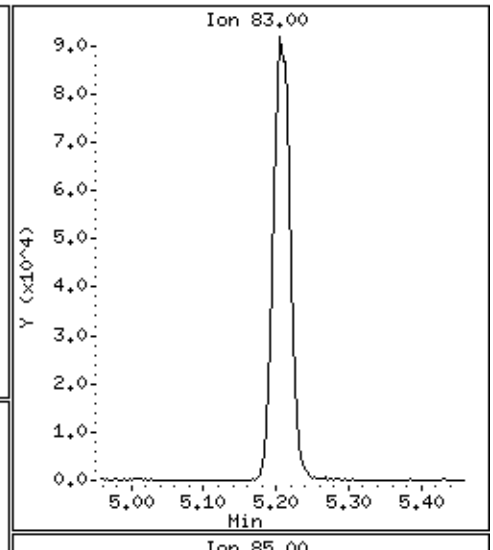
Column phase: DB-624

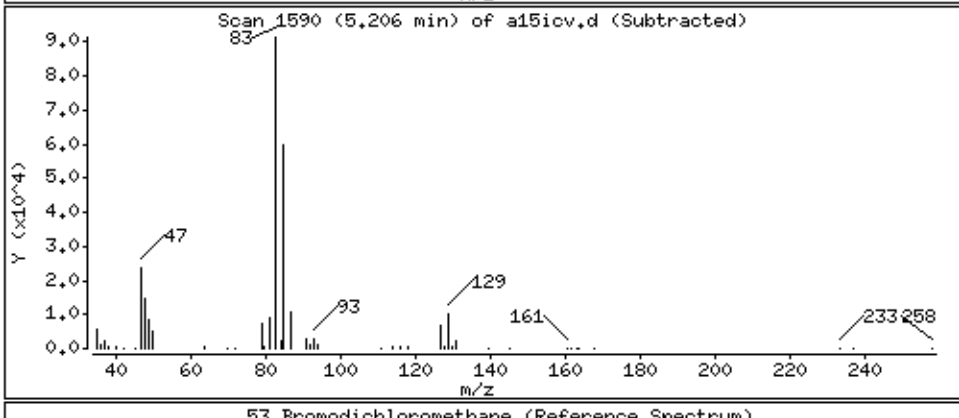
Column diameter: 0.18

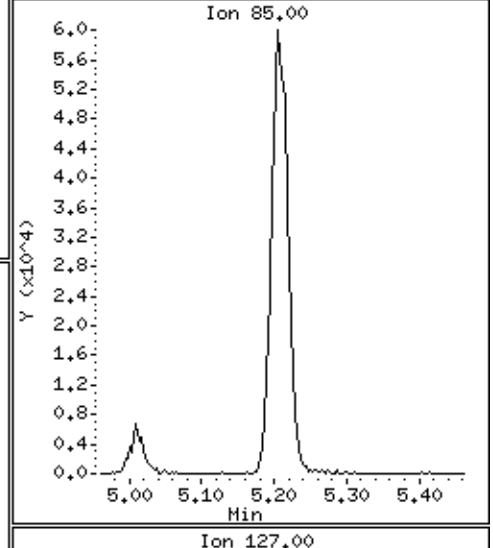
53 Bromodichloromethane

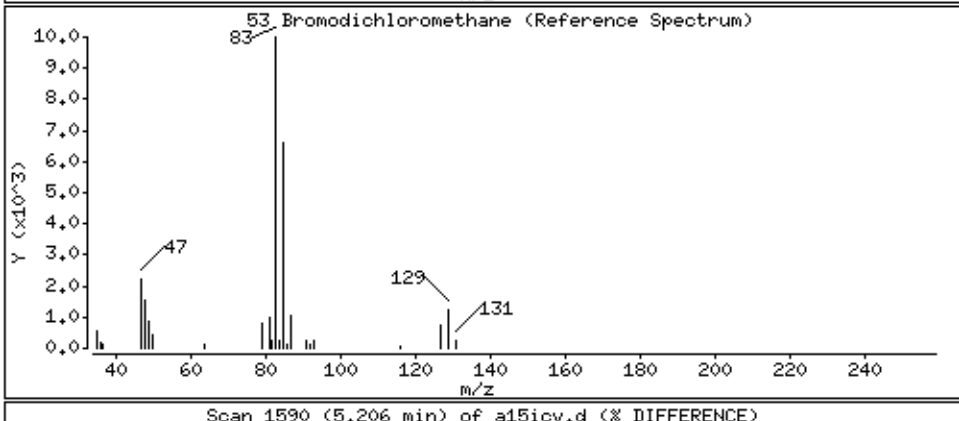
Concentration: 43.8 ppb

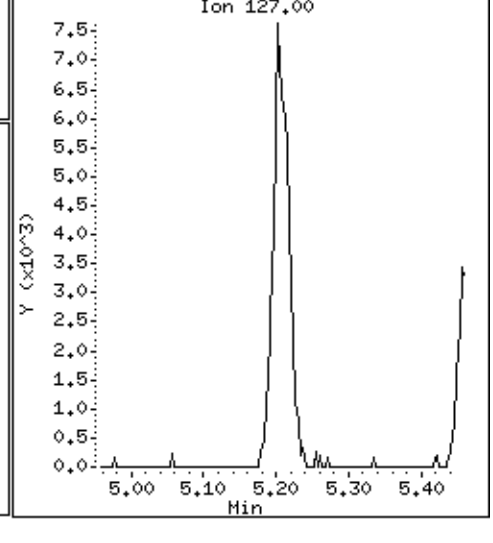


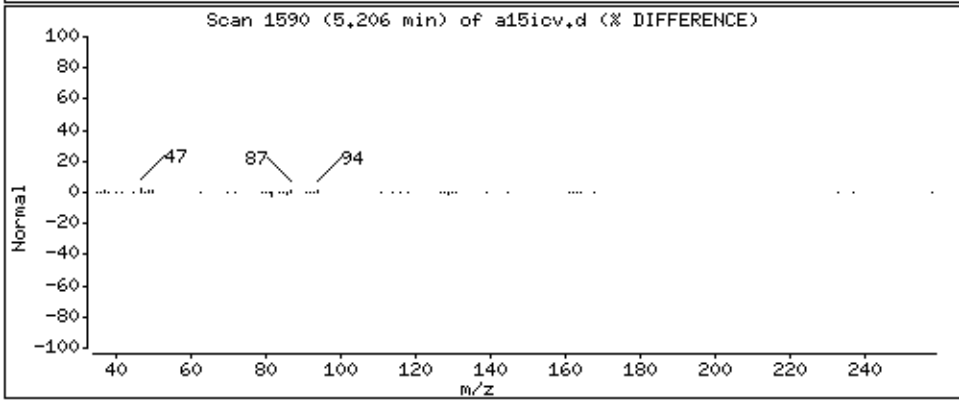












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

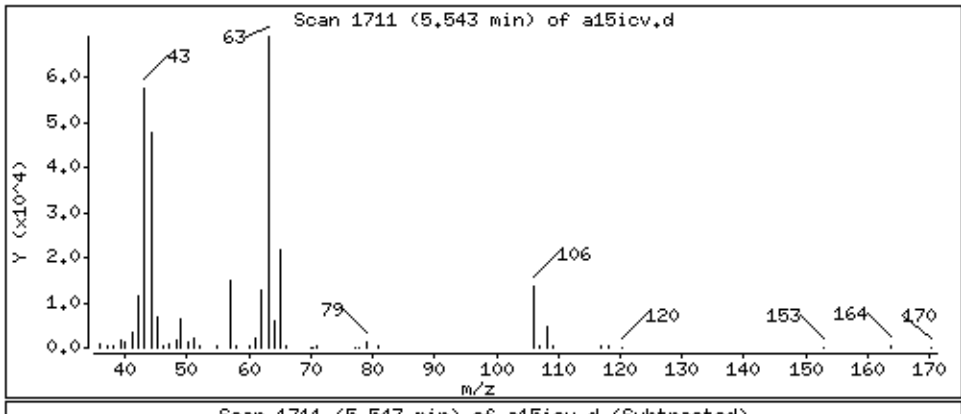
Operator: dae

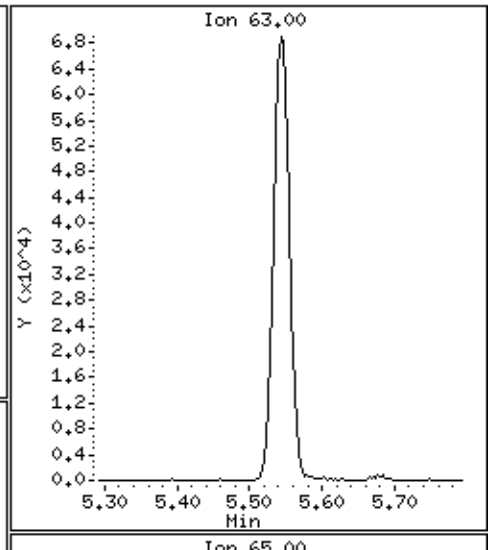
Column phase: DB-624

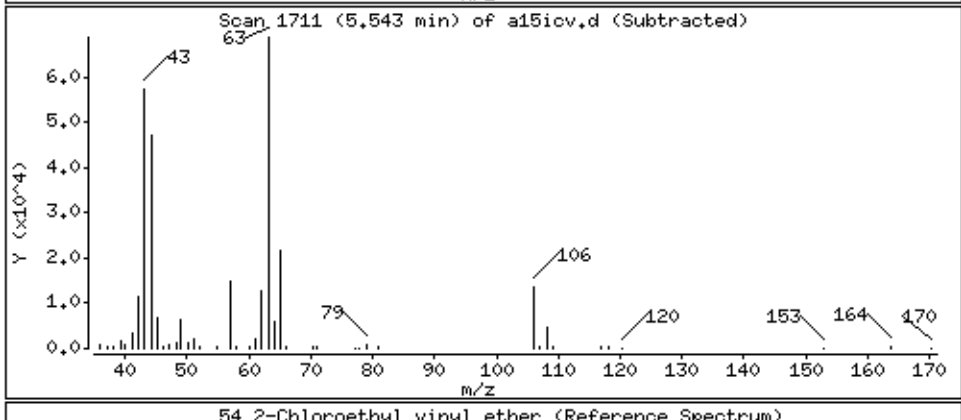
Column diameter: 0.18

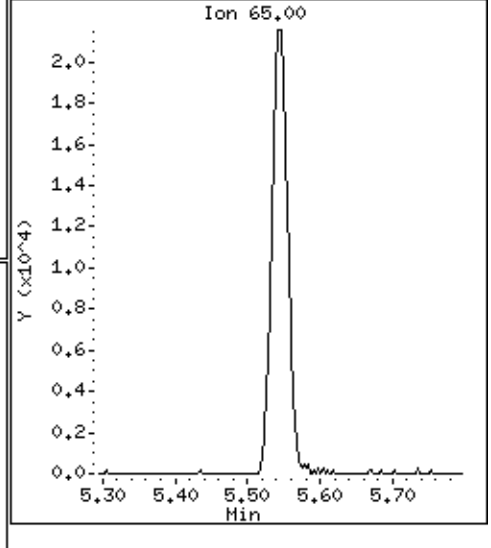
54 2-Chloroethyl vinyl ether

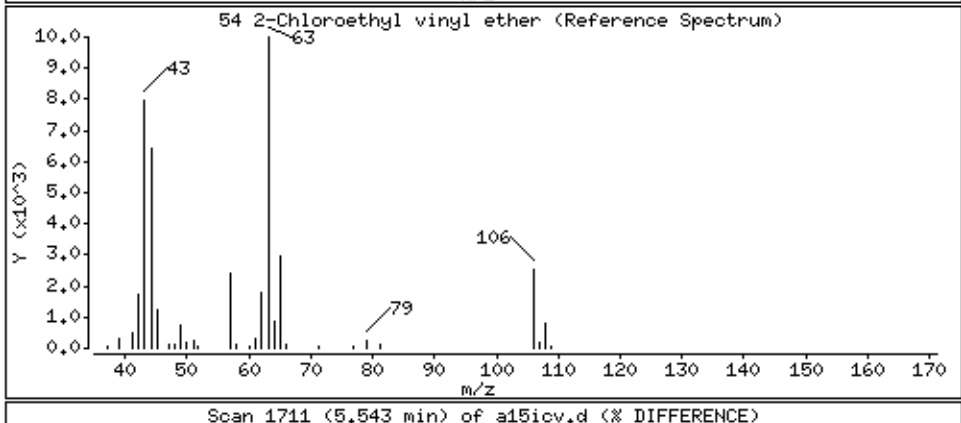
Concentration: 54.5 ppb

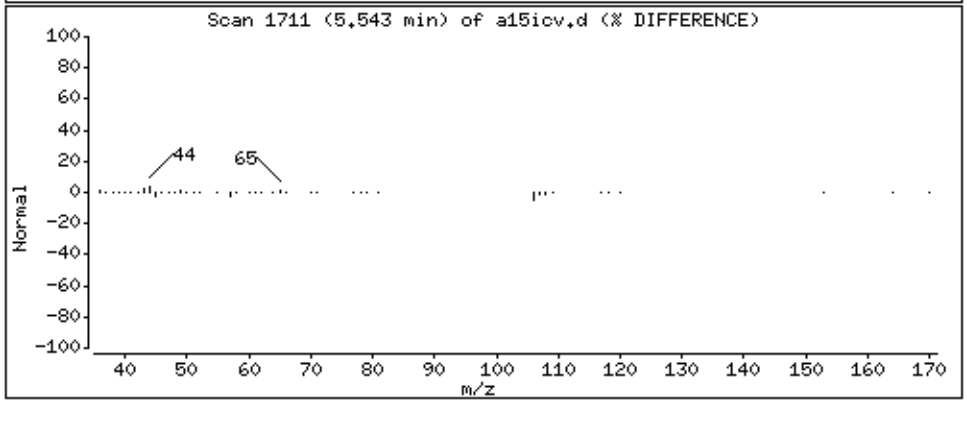












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

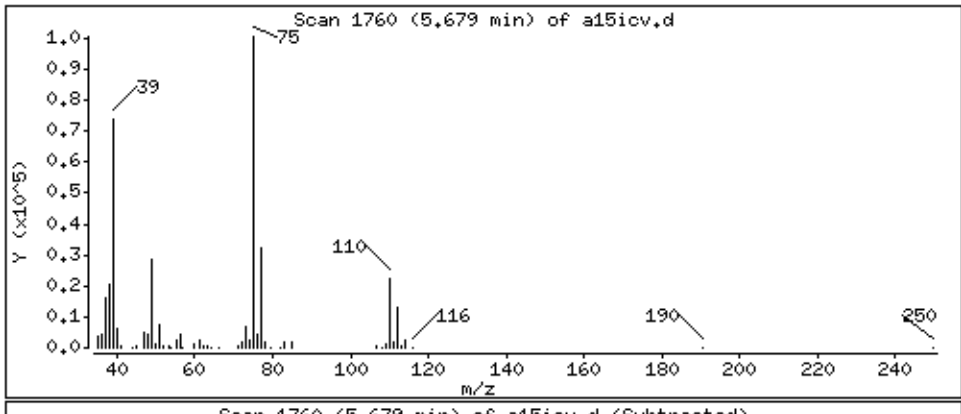
Operator: dae

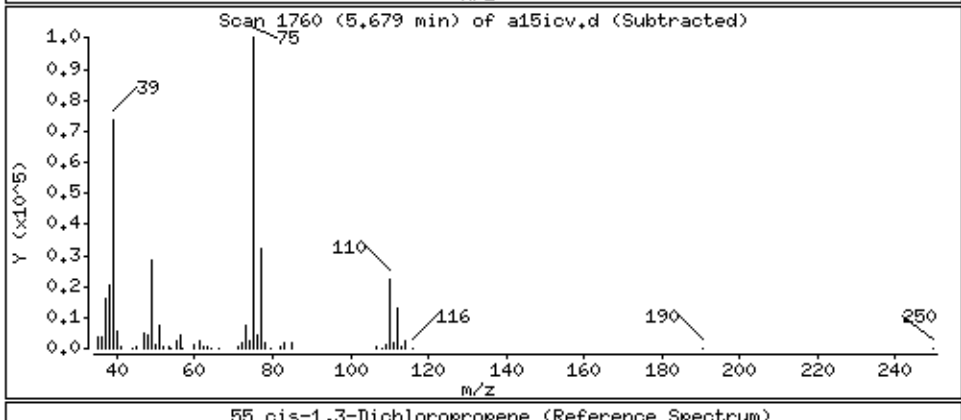
Column phase: DB-624

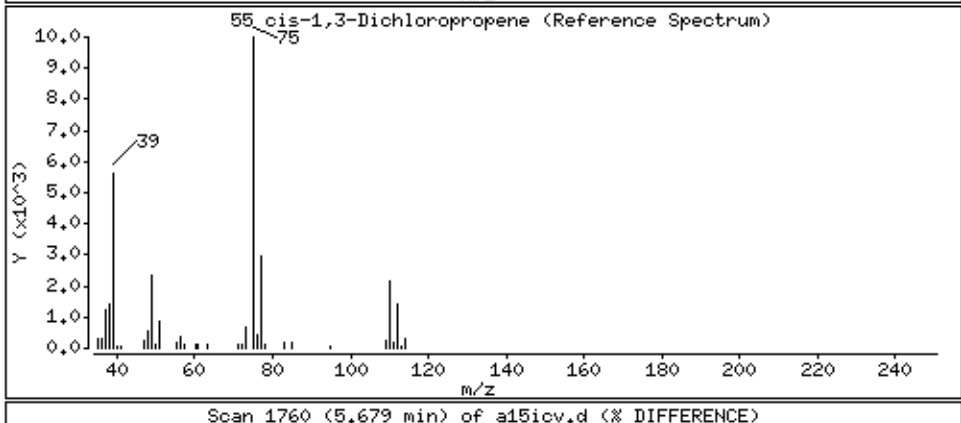
Column diameter: 0.18

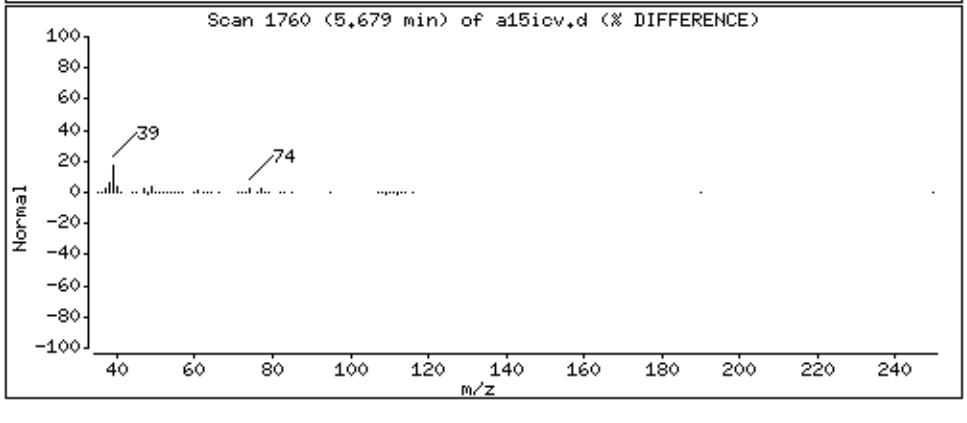
55 cis-1,3-Dichloropropene

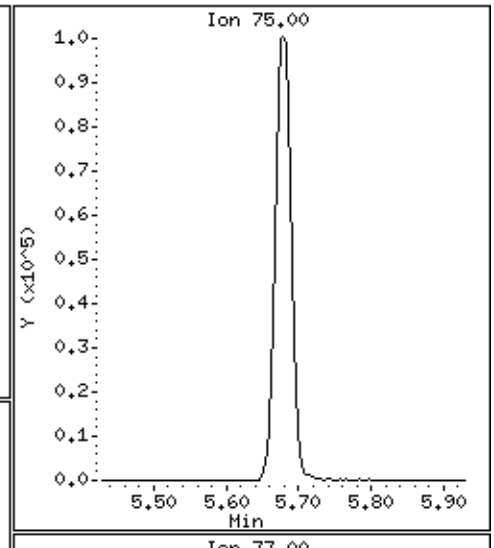
Concentration: 45.1 ppb

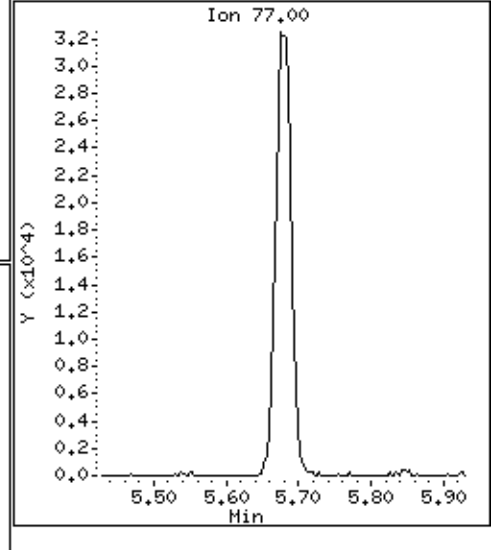












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

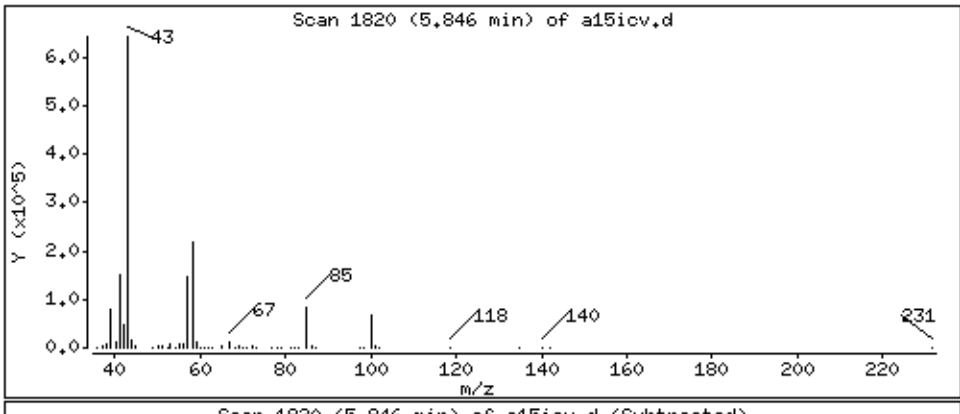
Operator: dae

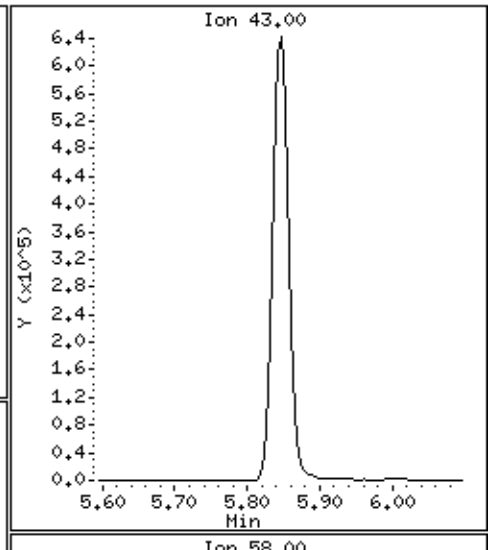
Column phase: DB-624

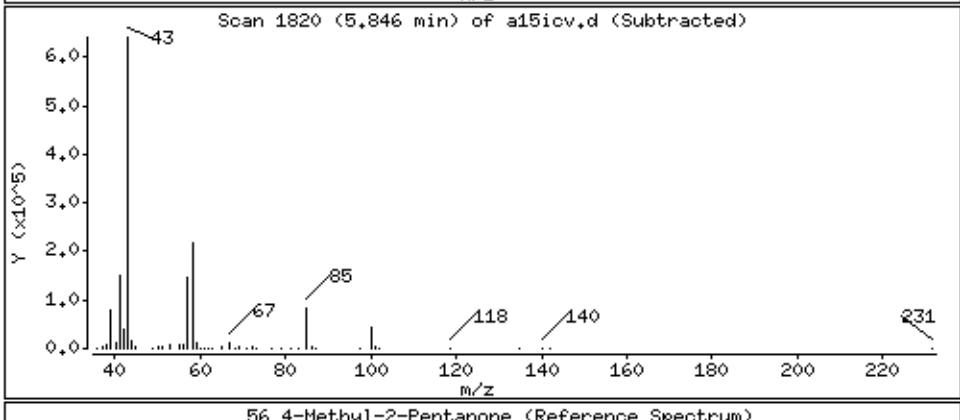
Column diameter: 0.18

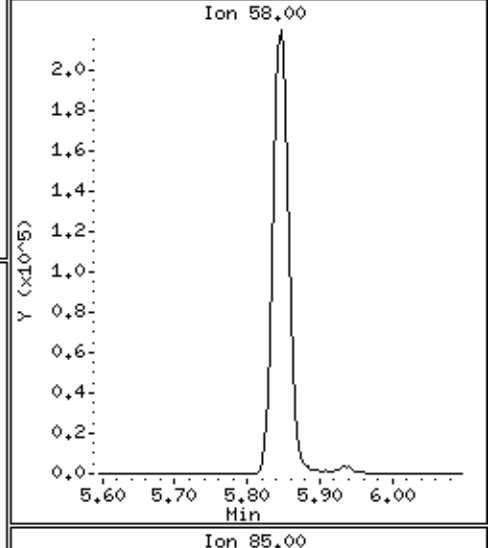
56 4-Methyl-2-Pentanone

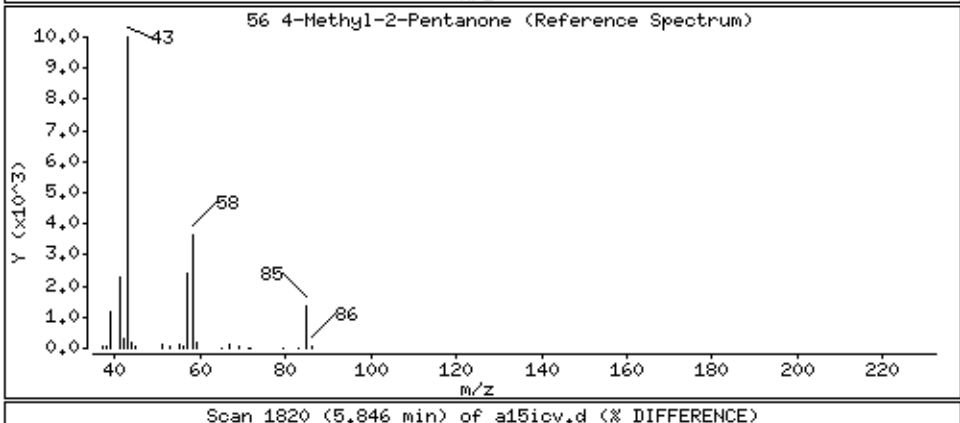
Concentration: 267 ppb

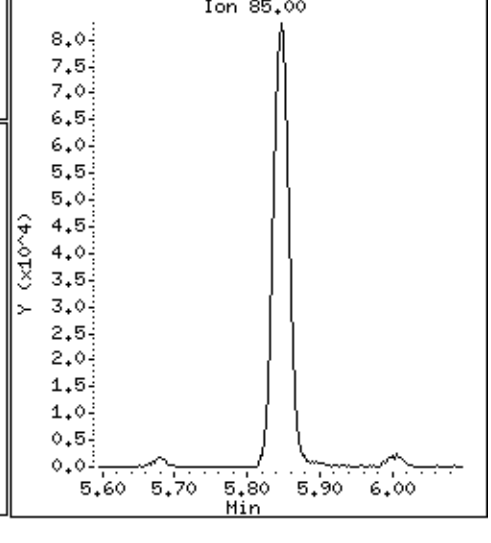


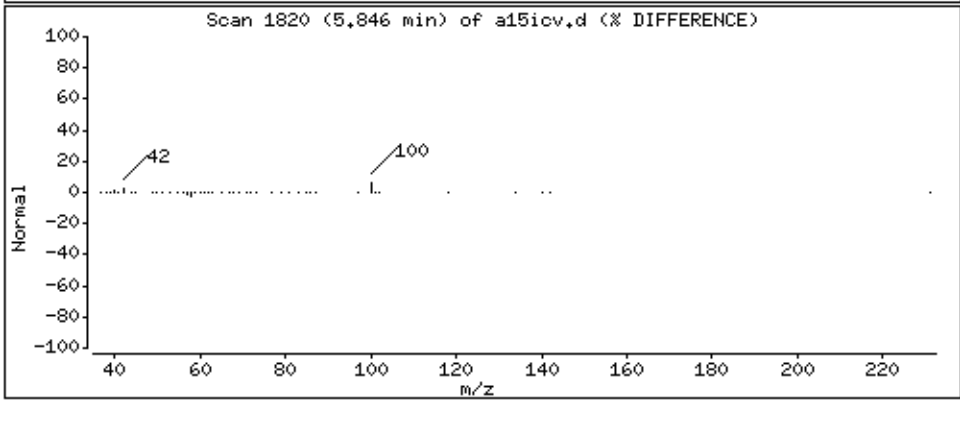












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

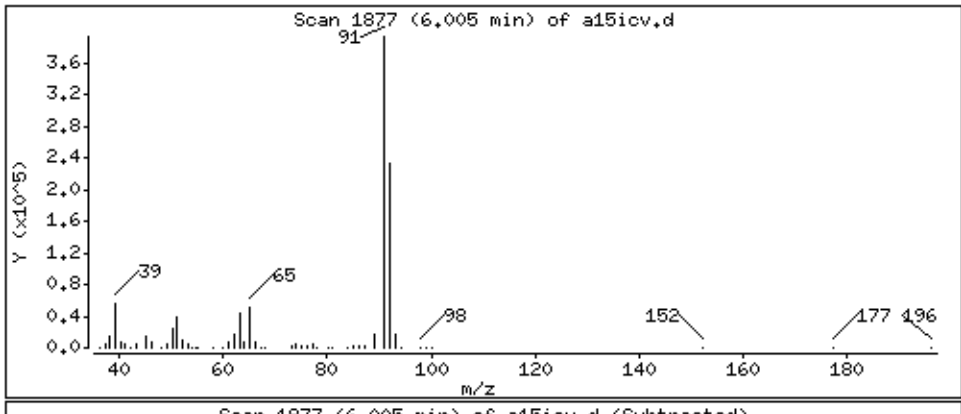
Operator: dae

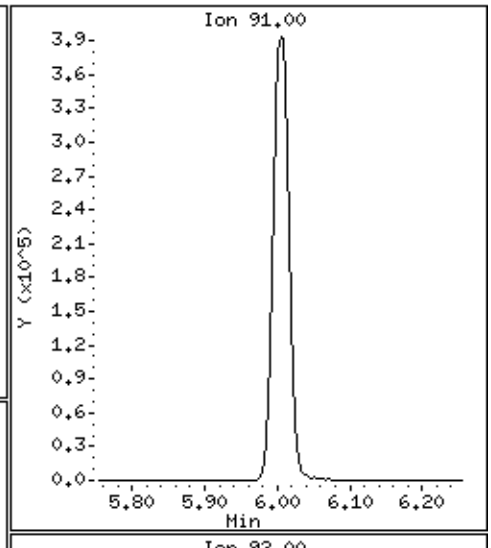
Column phase: DB-624

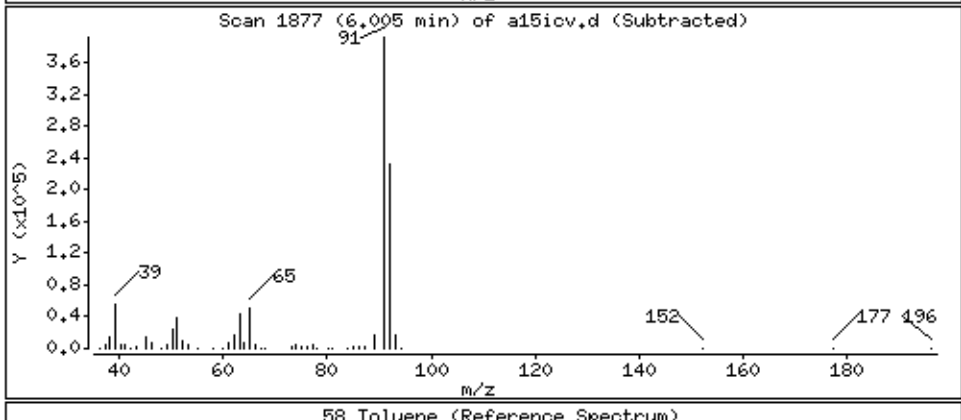
Column diameter: 0.18

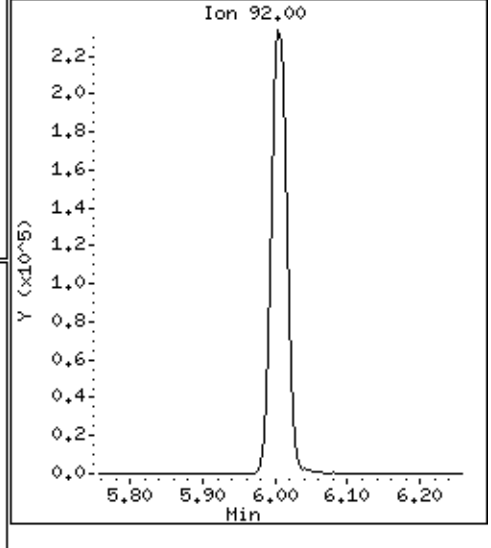
58 Toluene

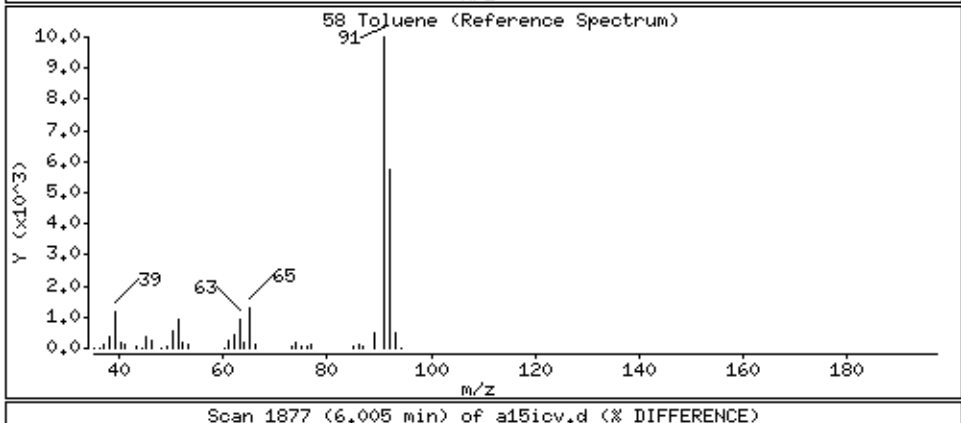
Concentration: 50.4 ppb

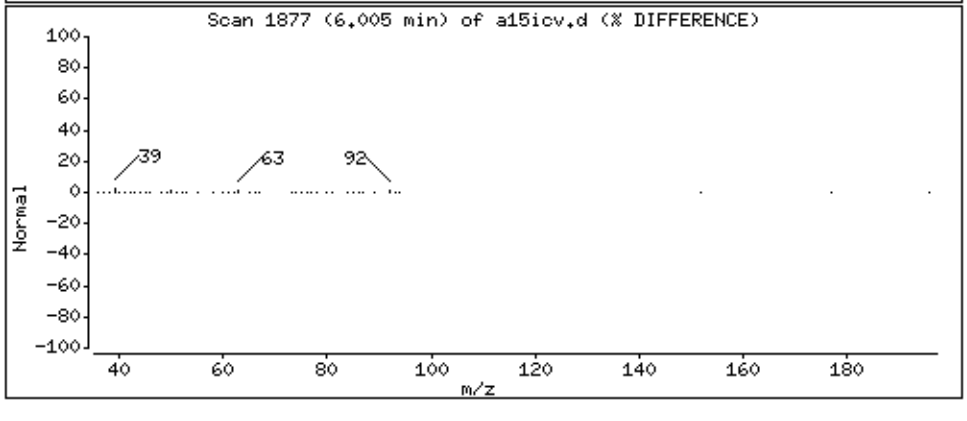












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

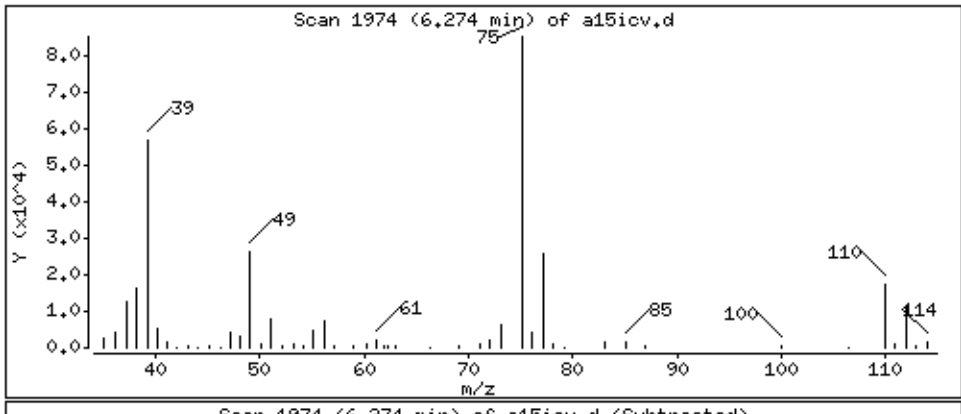
Operator: dae

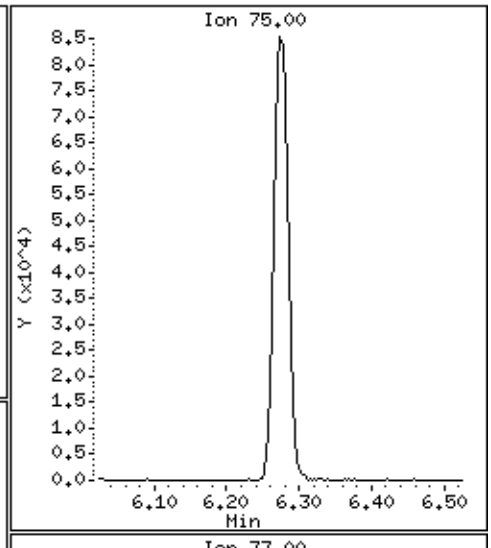
Column phase: DB-624

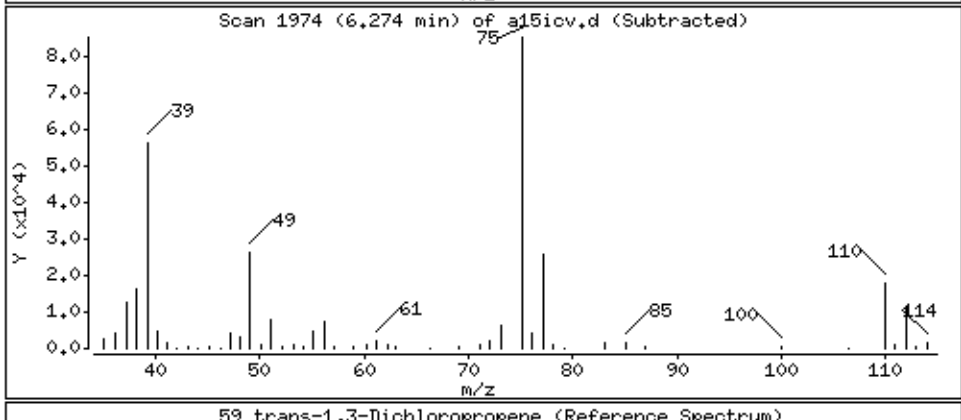
Column diameter: 0.18

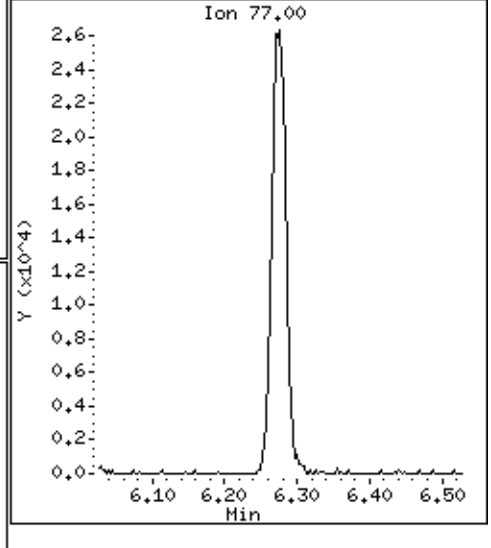
59 trans-1,3-Dichloropropene

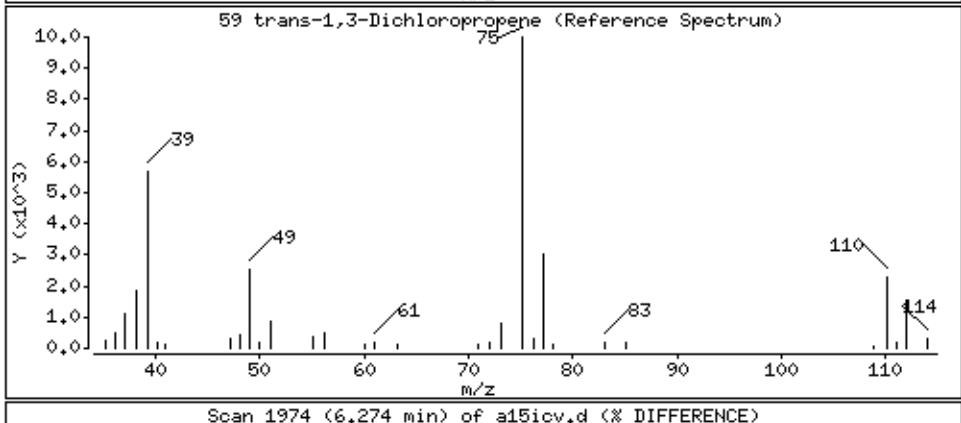
Concentration: 45.6 ppb

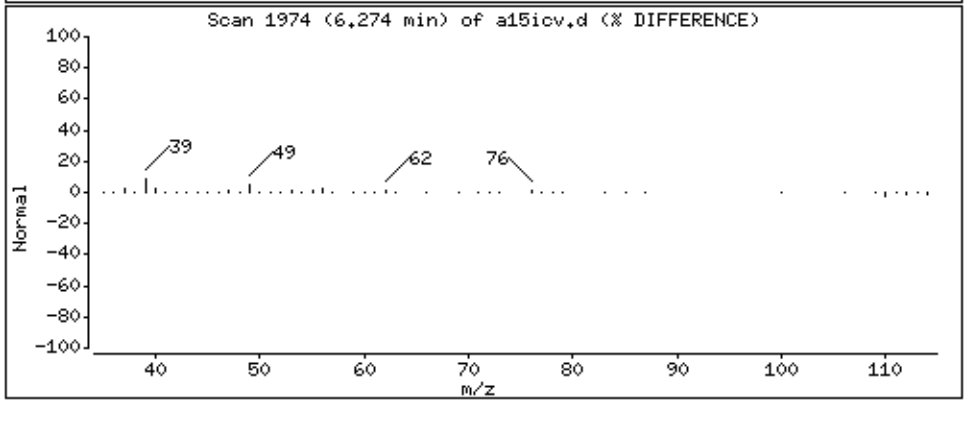












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

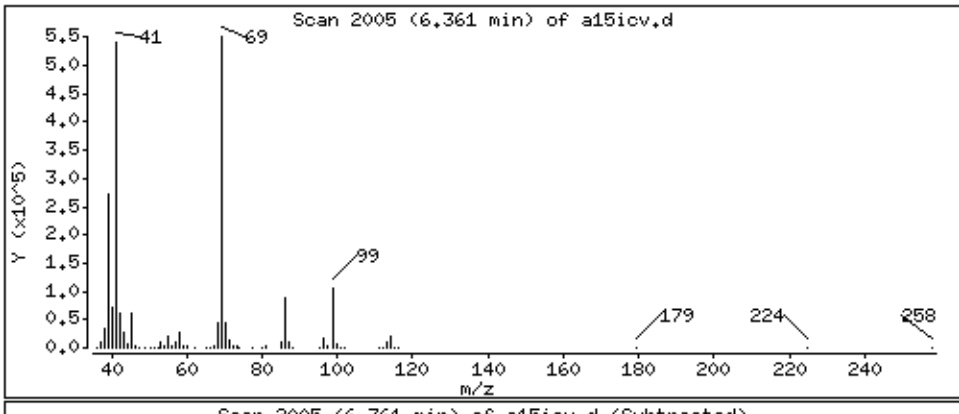
Operator: dae

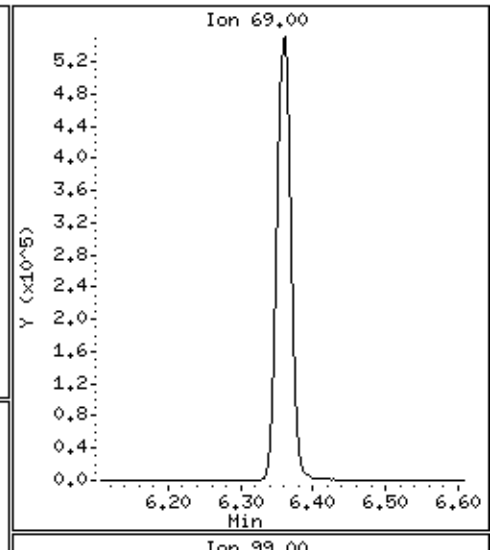
Column phase: DB-624

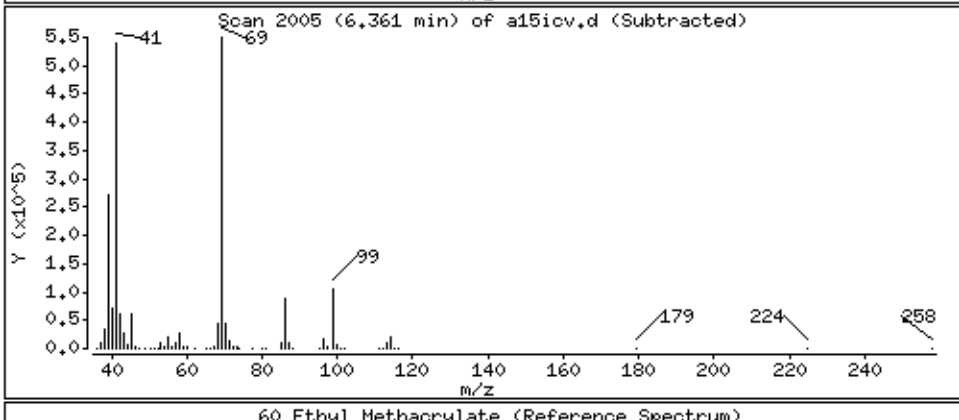
Column diameter: 0.18

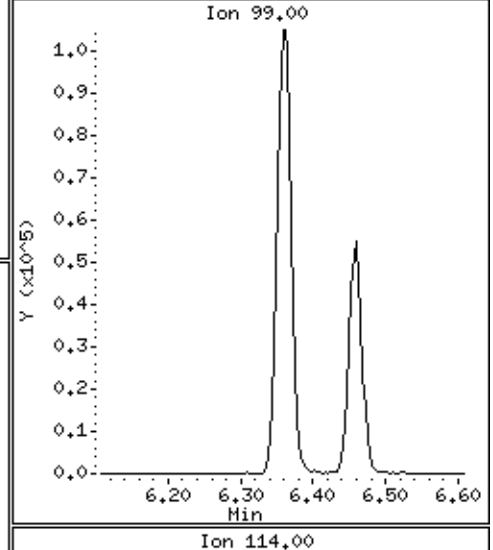
60 Ethyl Methacrylate

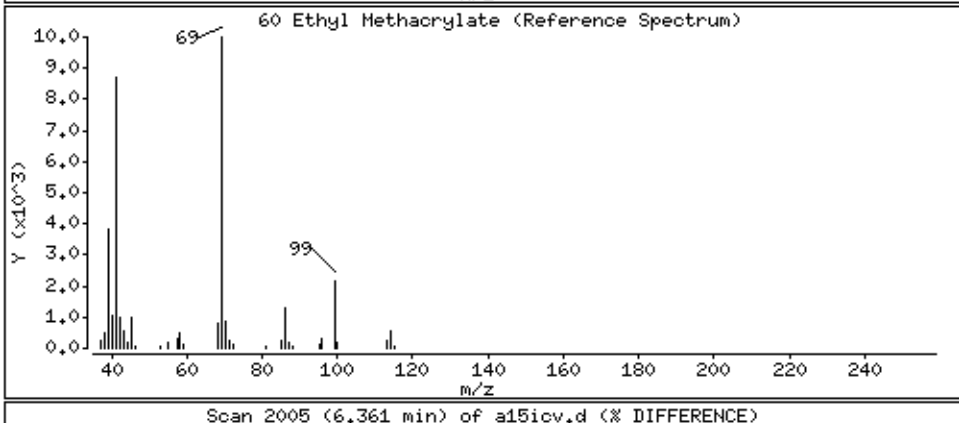
Concentration: 195 ppb

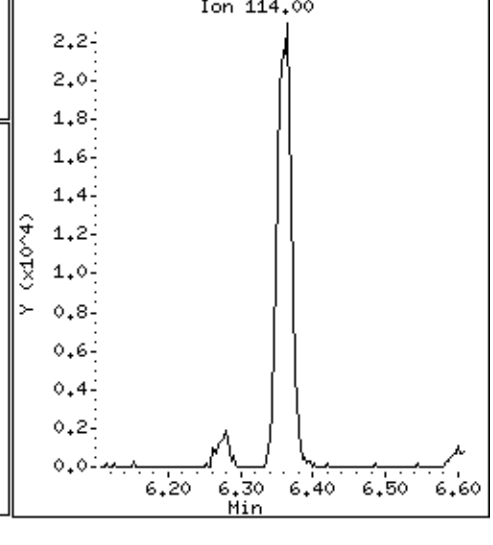


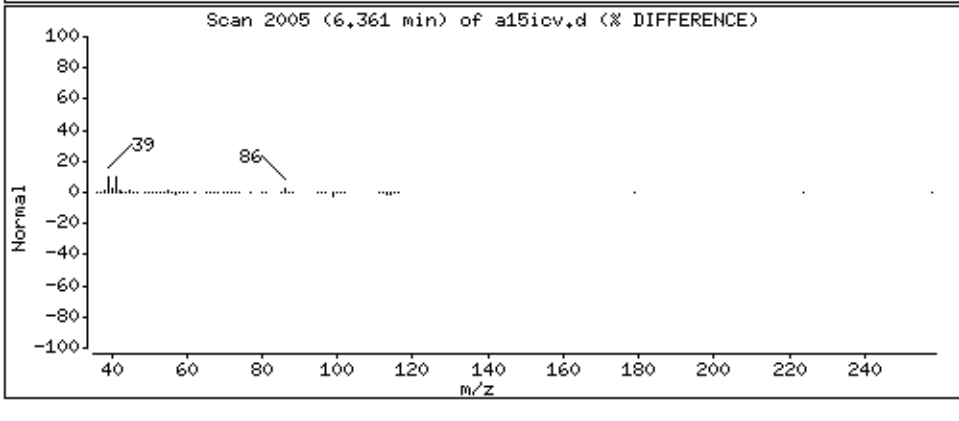












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

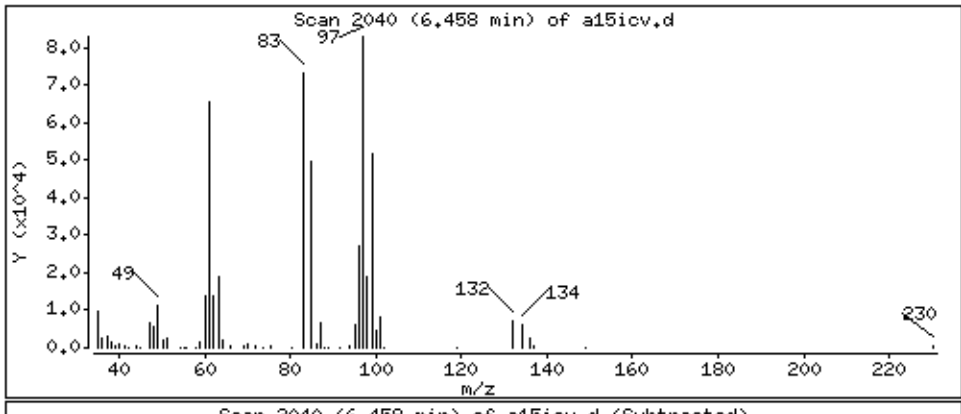
Operator: dae

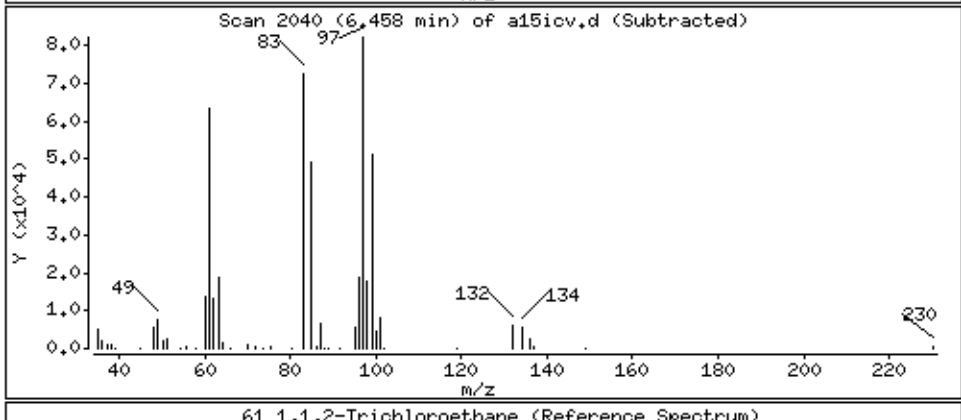
Column phase: DB-624

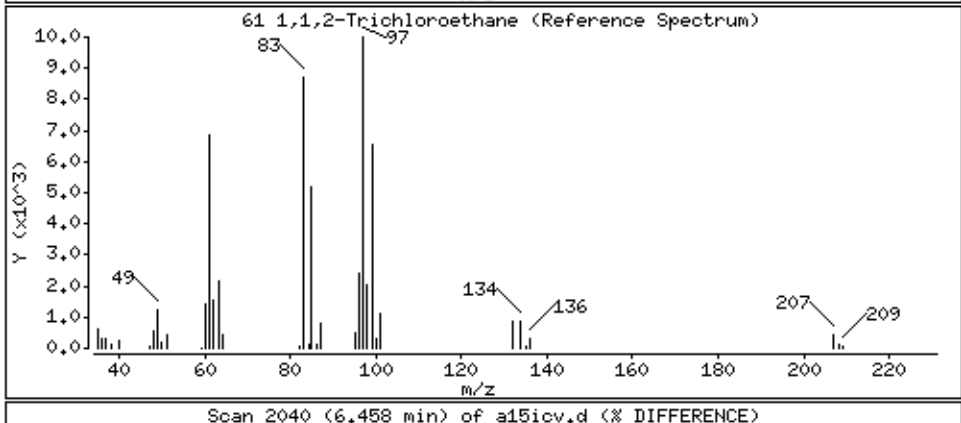
Column diameter: 0.18

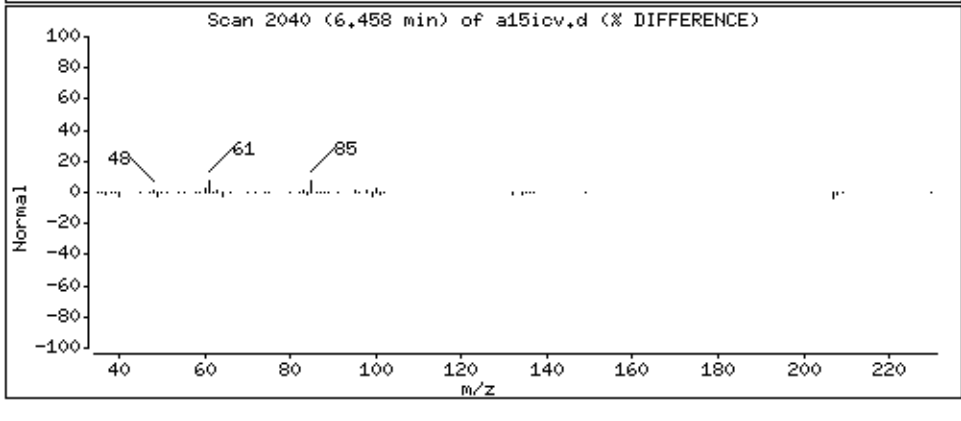
61 1,1,2-Trichloroethane

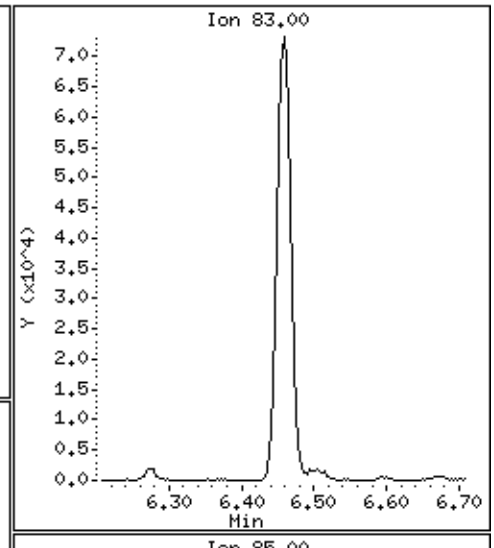
Concentration: 49.0 ppb

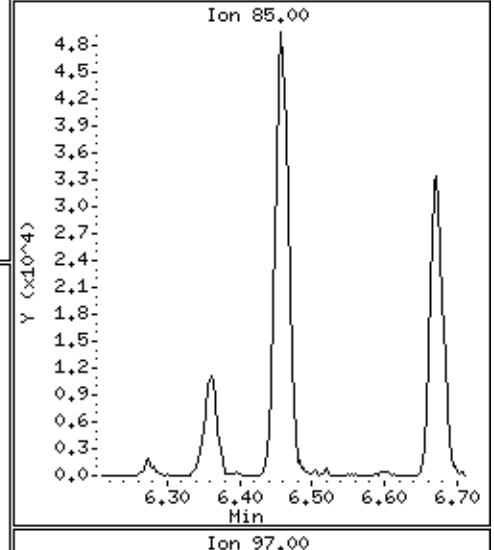


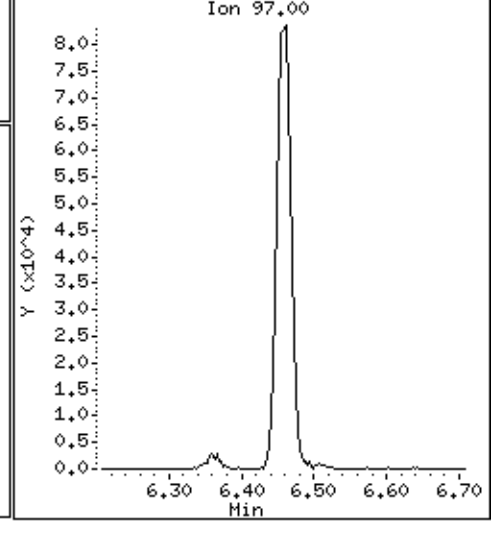












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

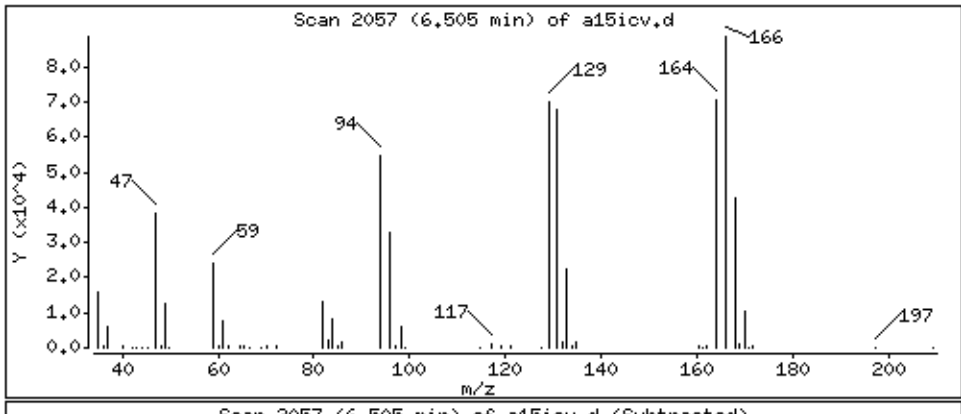
Operator: dae

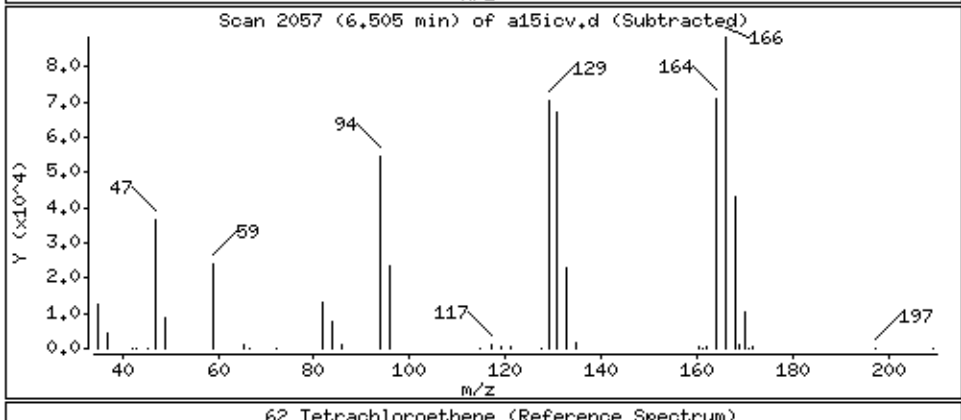
Column phase: DB-624

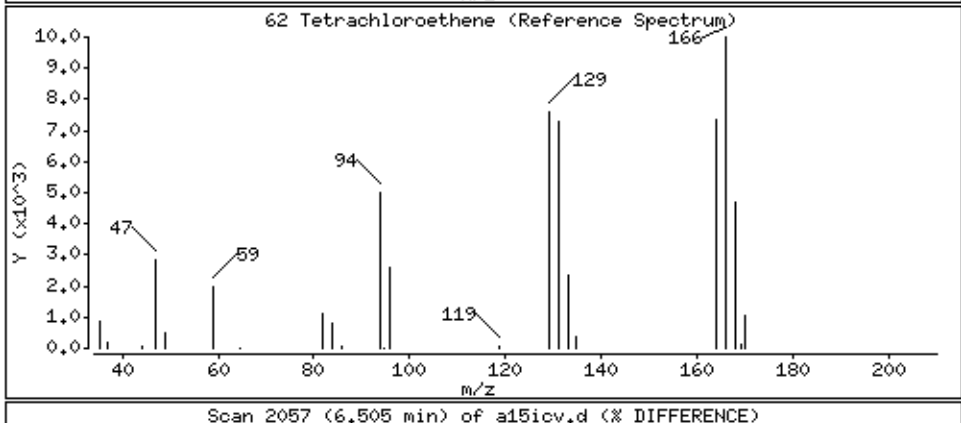
Column diameter: 0.18

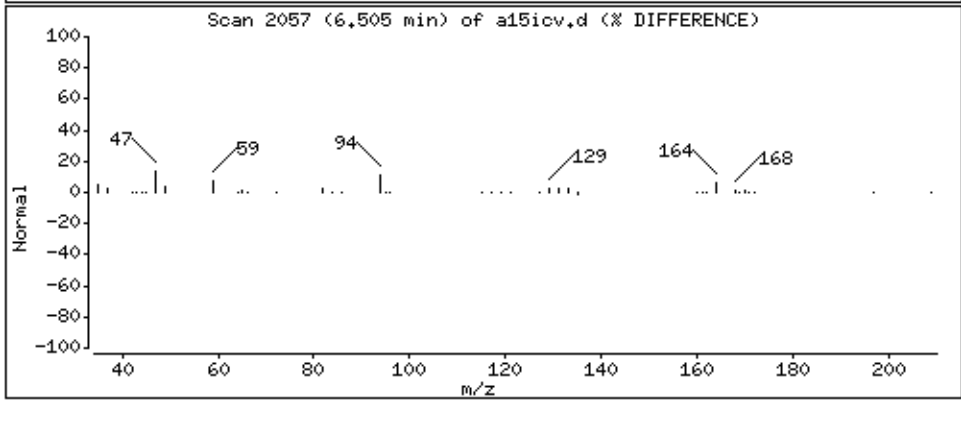
62 Tetrachloroethene

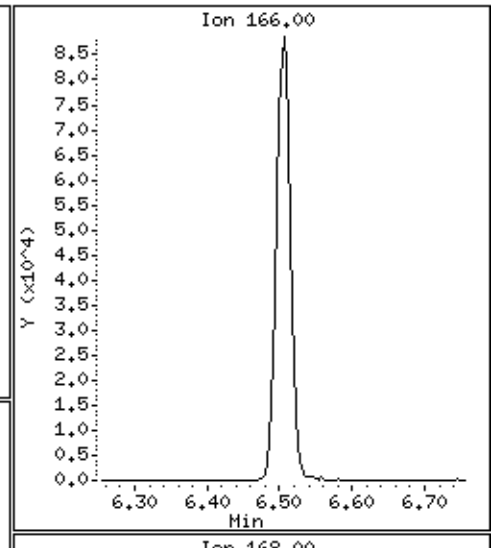
Concentration: 49.9 ppb

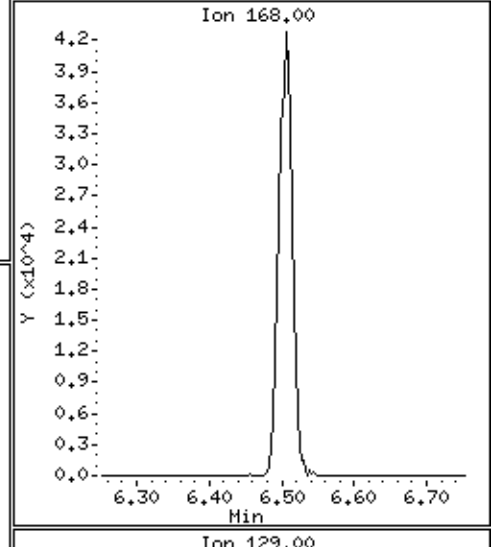


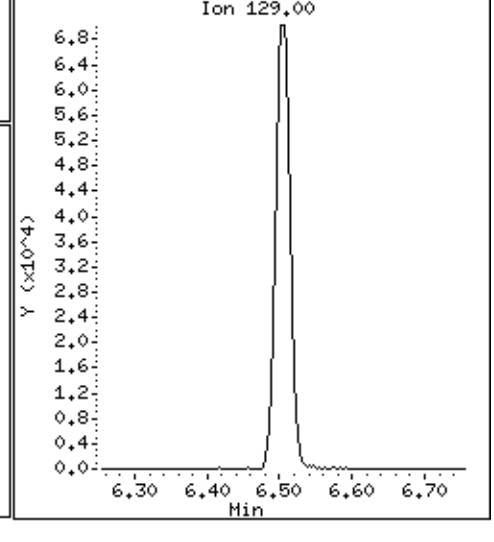












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

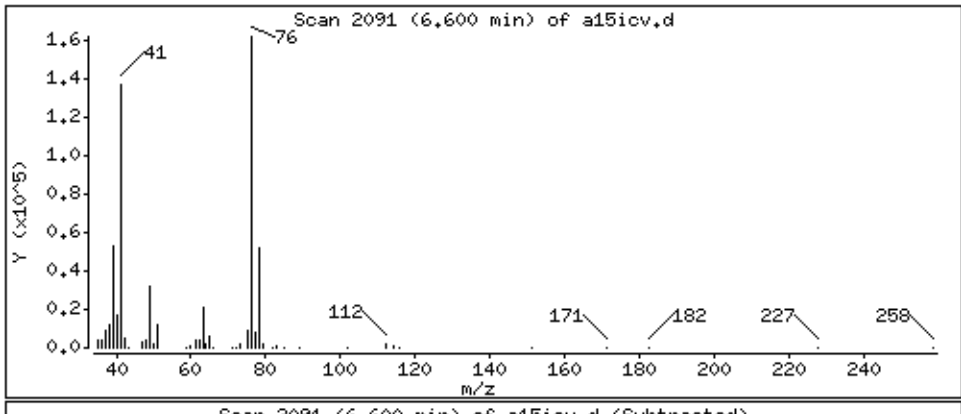
Operator: dae

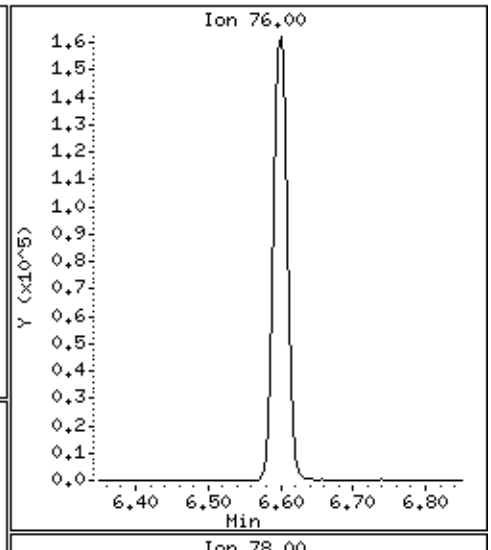
Column phase: DB-624

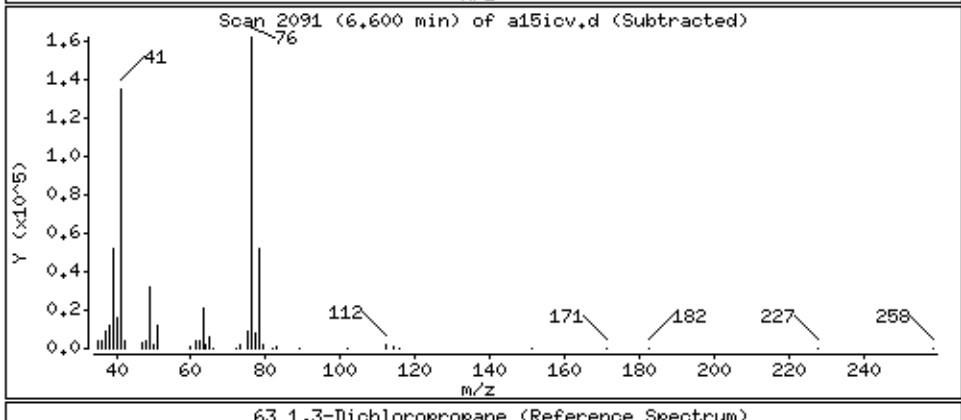
Column diameter: 0.18

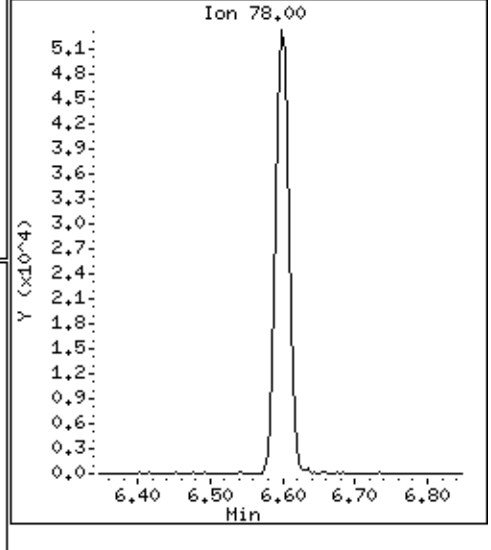
63 1,3-Dichloropropane

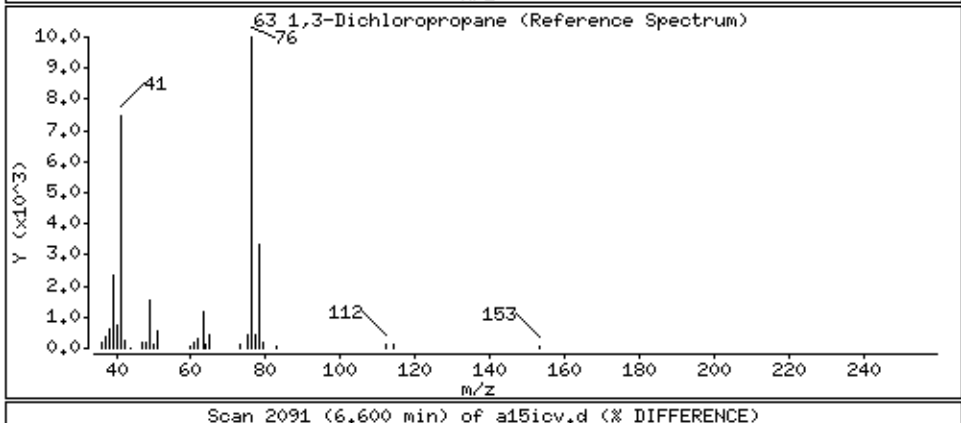
Concentration: 49.5 ppb

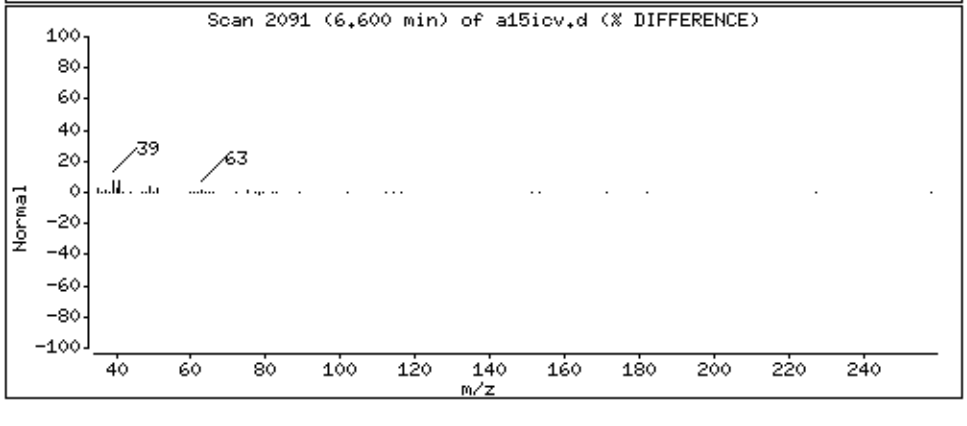












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

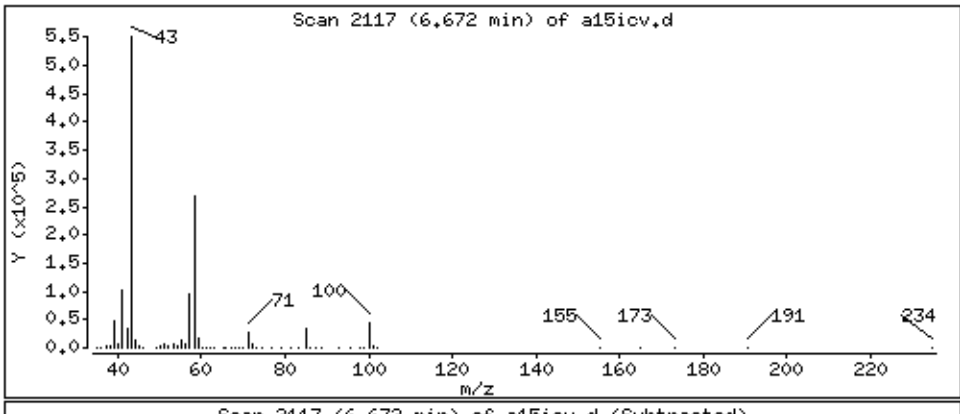
Operator: dae

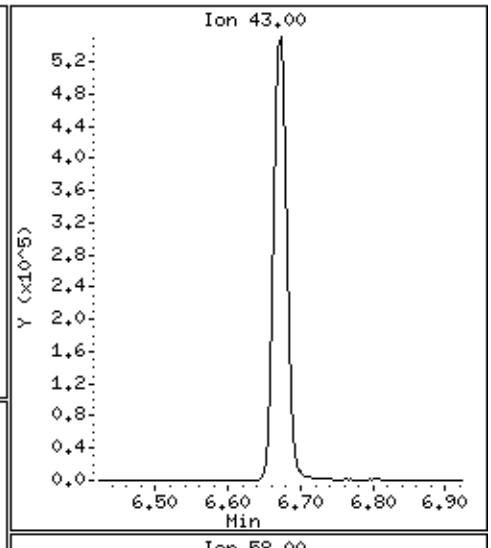
Column phase: DB-624

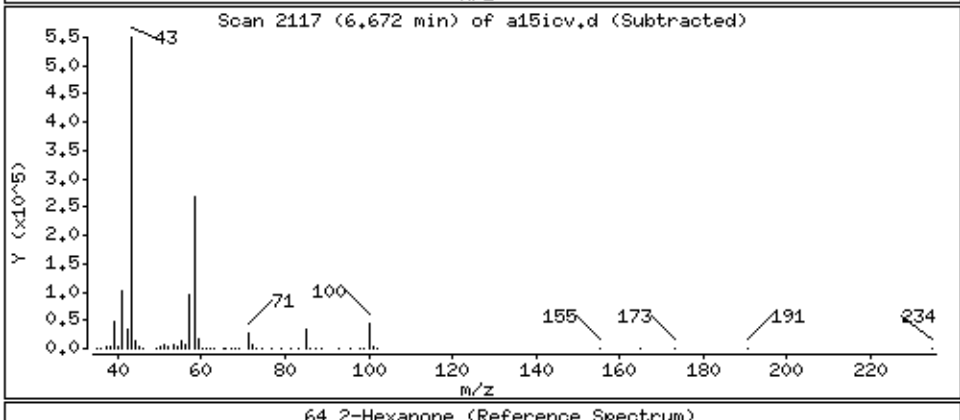
Column diameter: 0.18

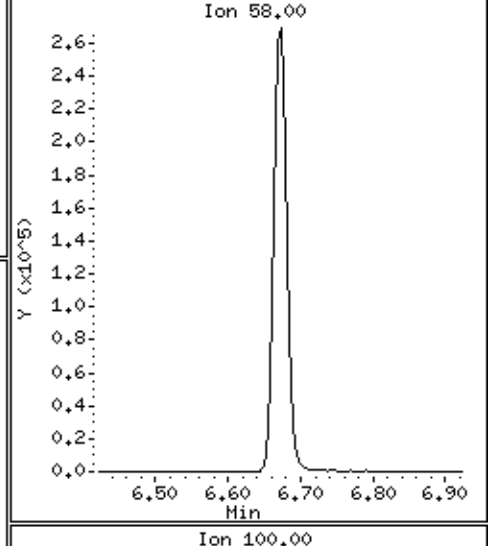
64 2-Hexanone

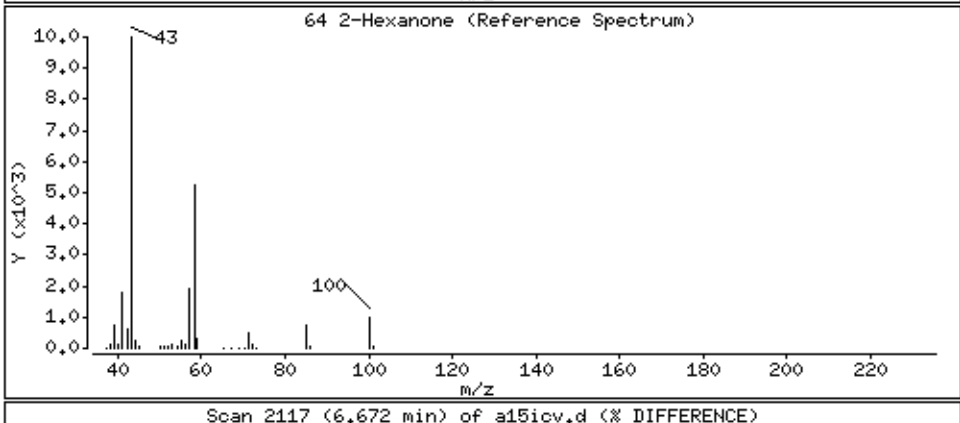
Concentration: 268 ppb

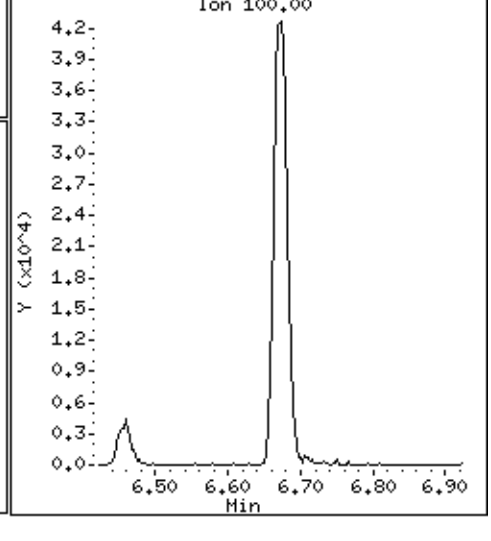


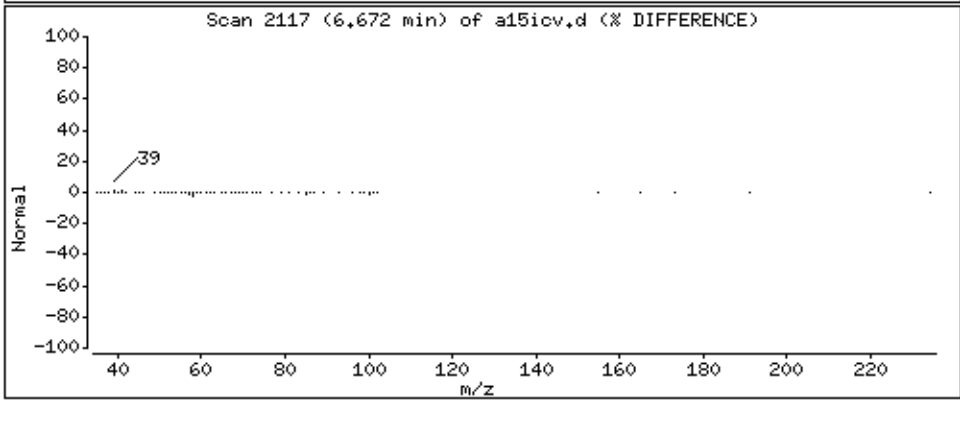












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

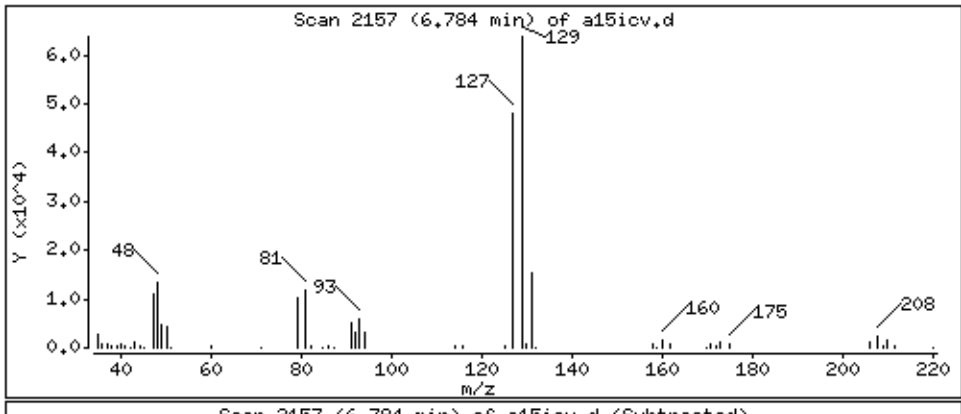
Operator: dae

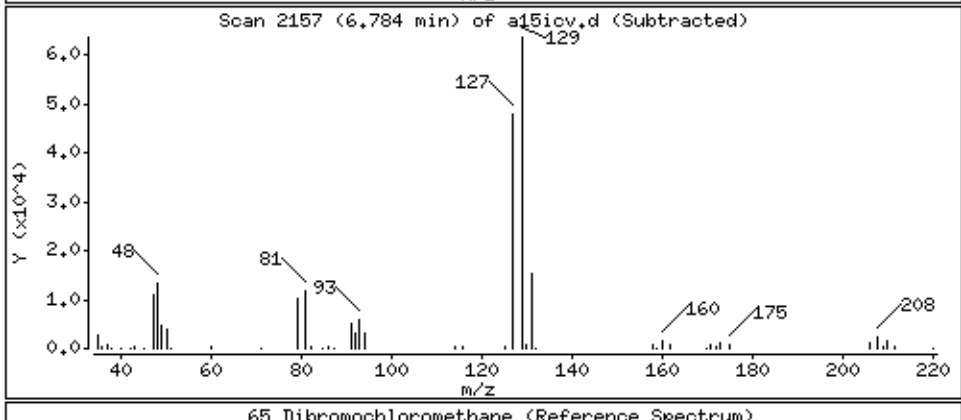
Column phase: DB-624

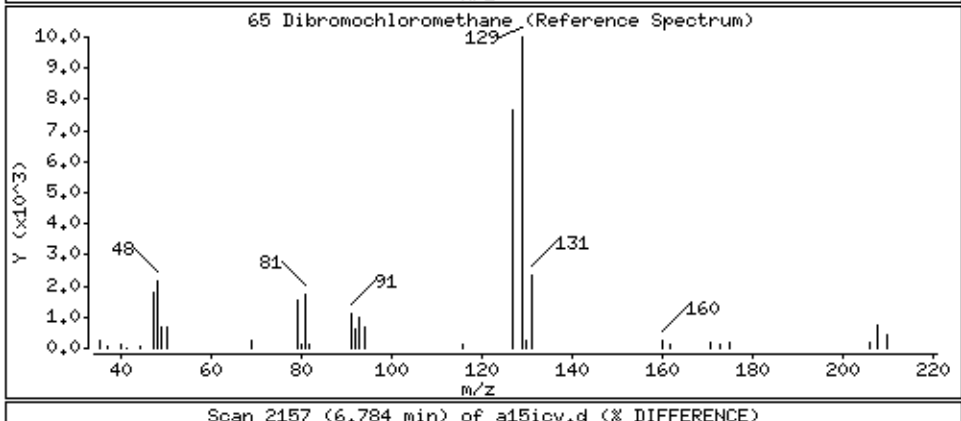
Column diameter: 0.18

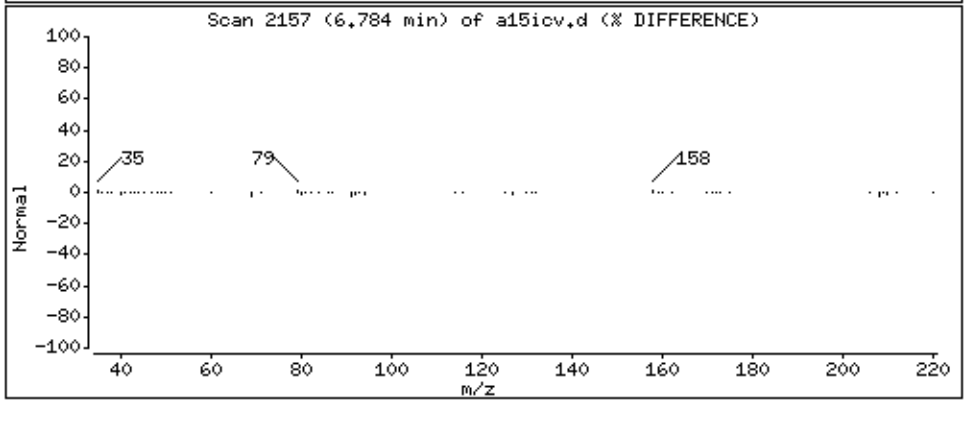
65 Dibromochloromethane

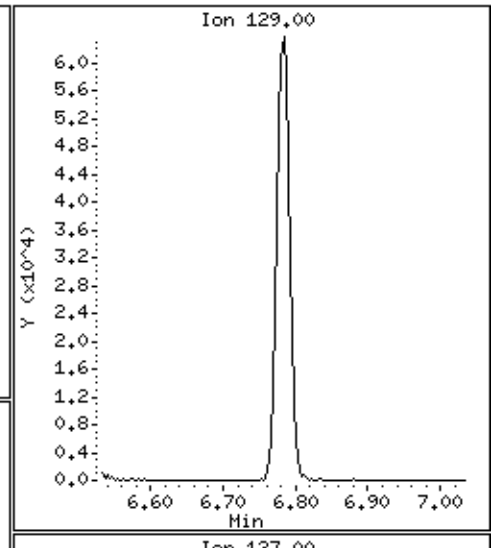
Concentration: 39.6 ppb

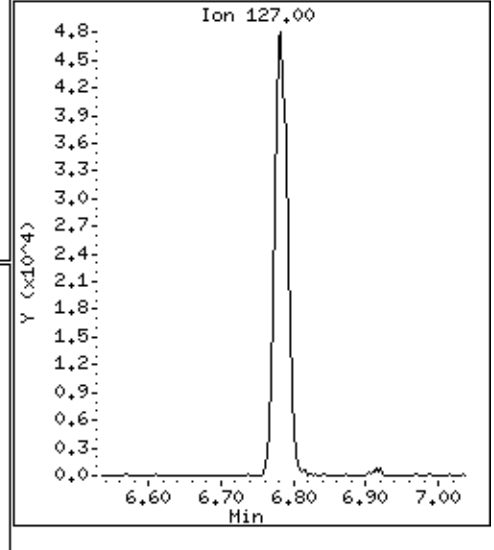












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

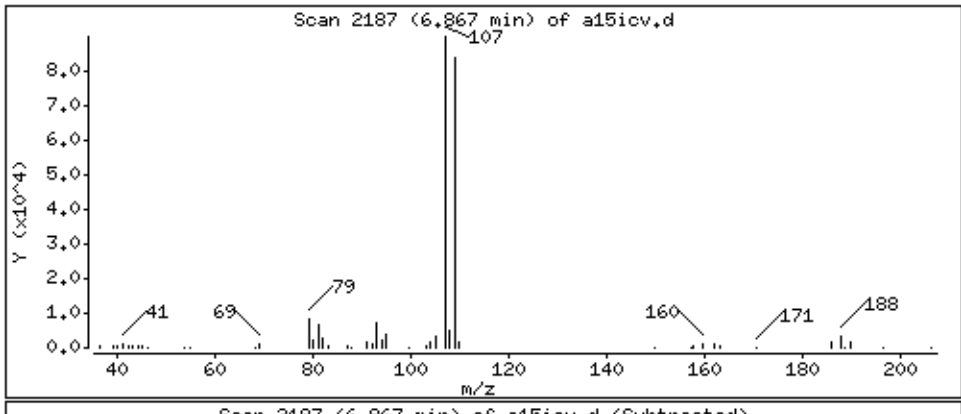
Operator: dae

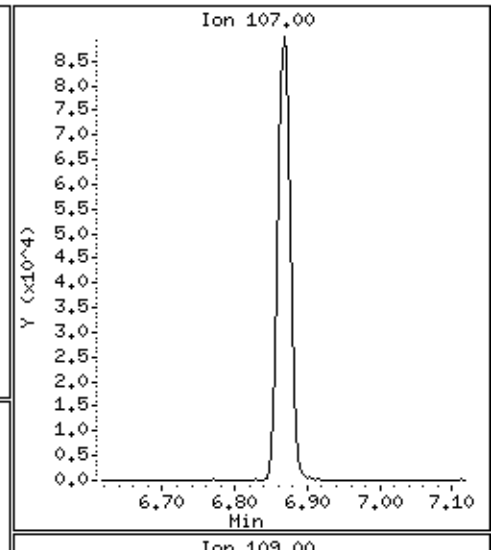
Column phase: DB-624

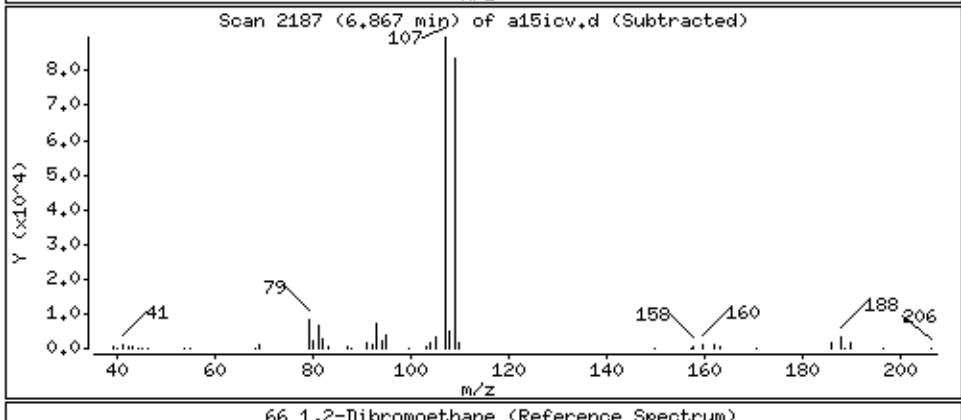
Column diameter: 0.18

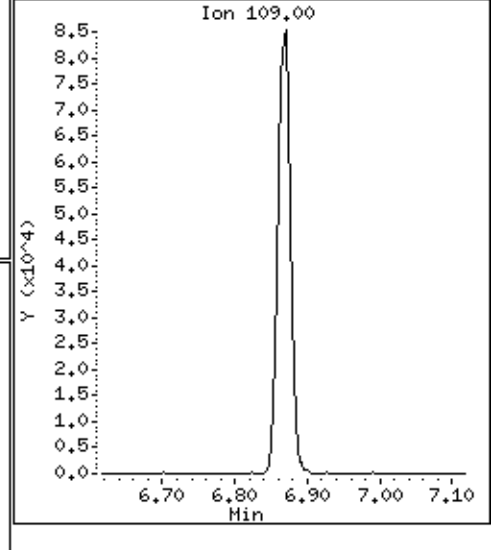
66 1,2-Dibromoethane

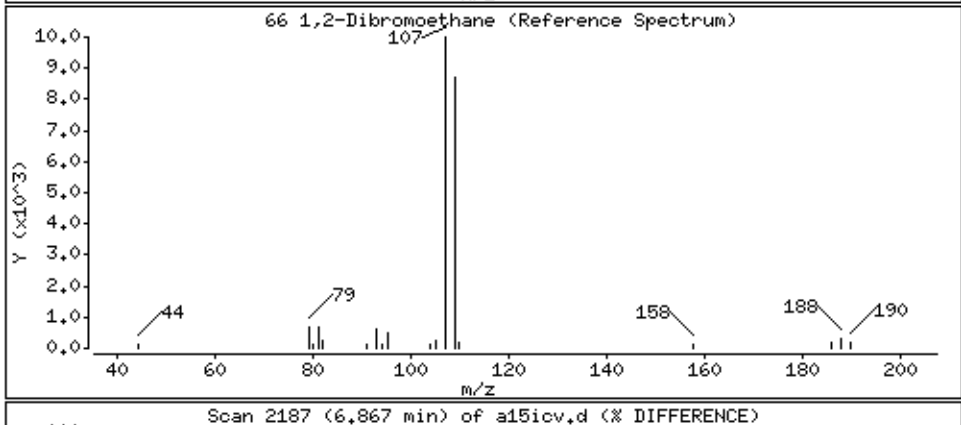
Concentration: 54.5 ppb

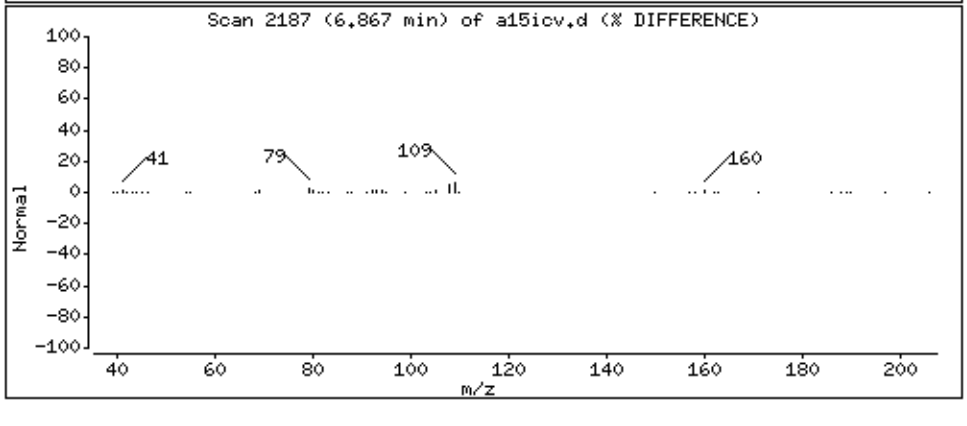












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

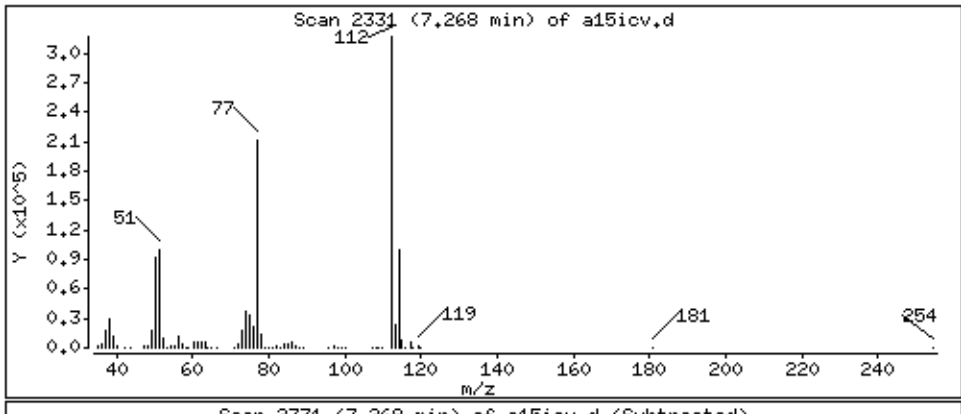
Operator: dae

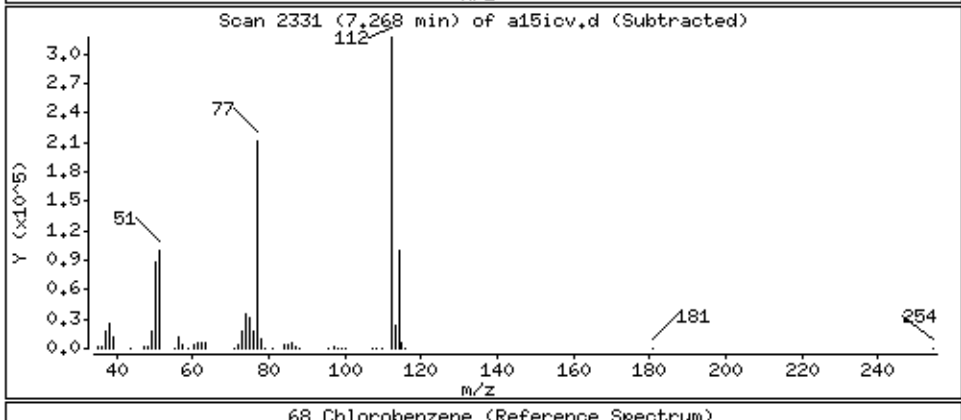
Column phase: DB-624

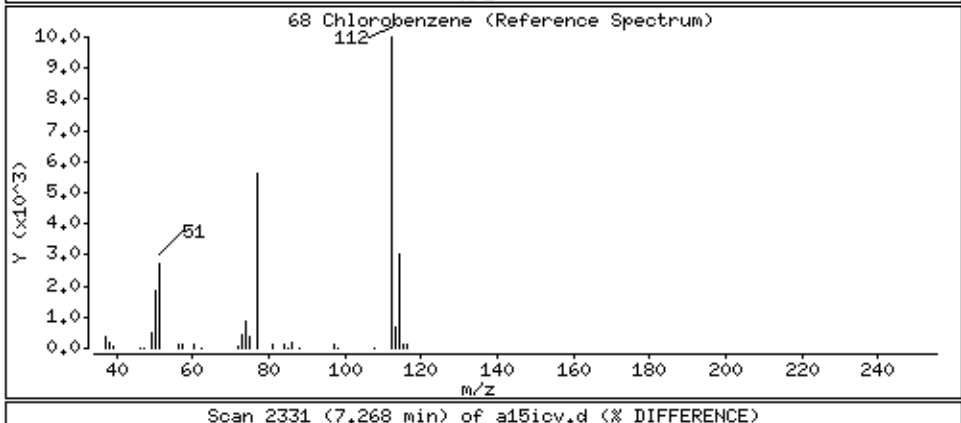
Column diameter: 0.18

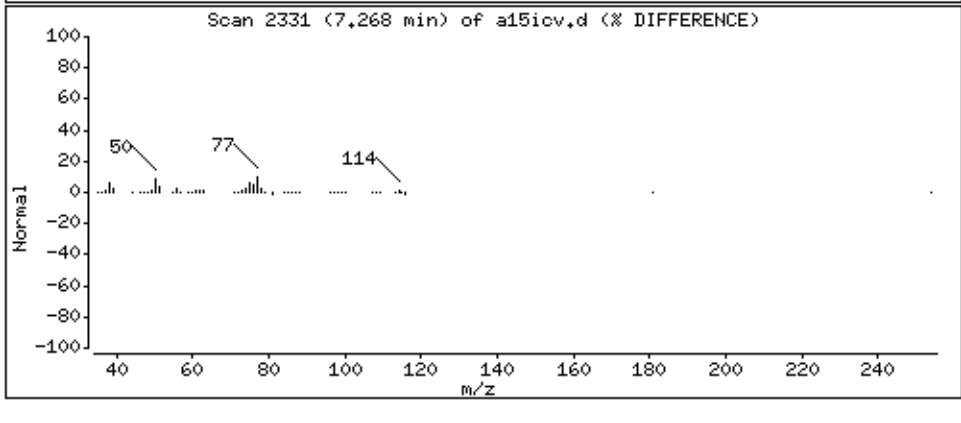
68 Chlorobenzene

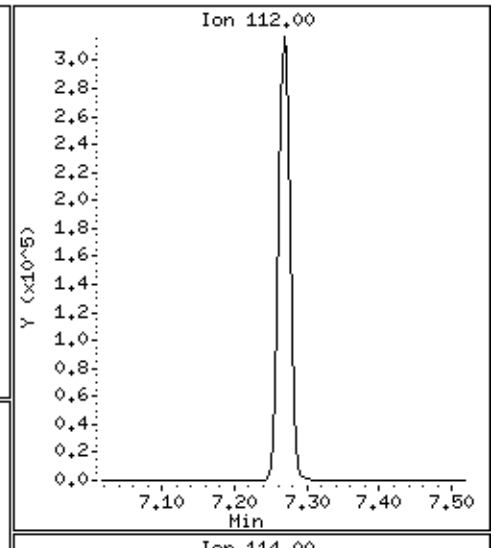
Concentration: 50.7 ppb

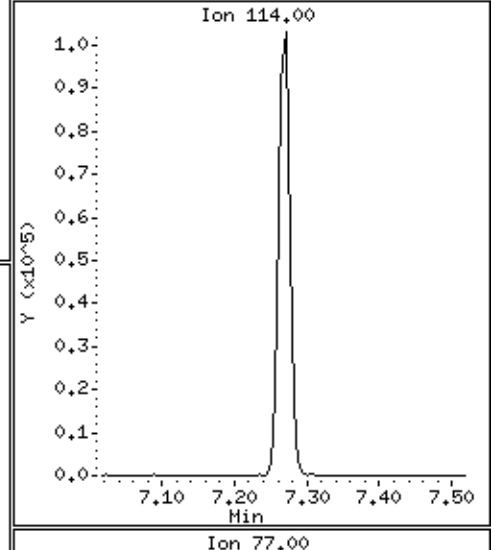


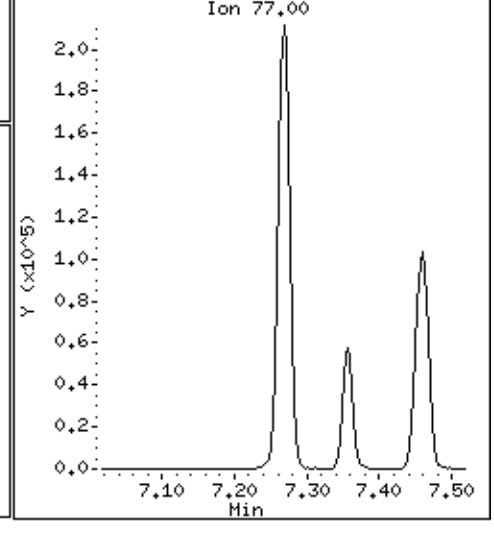












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

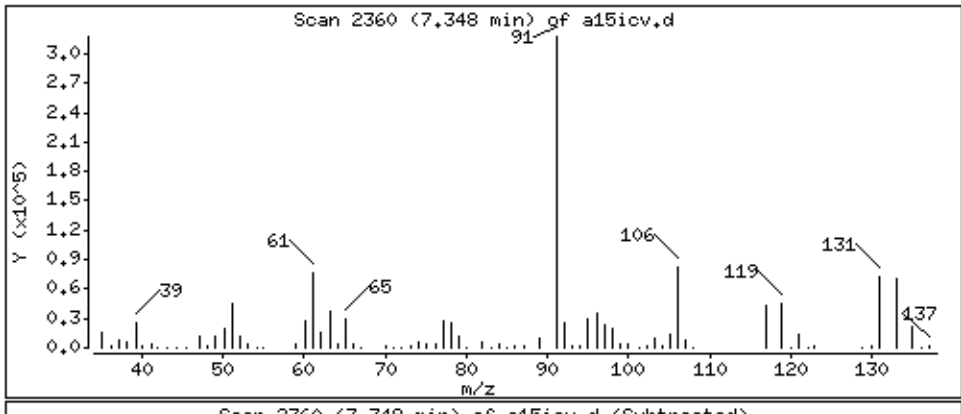
Operator: dae

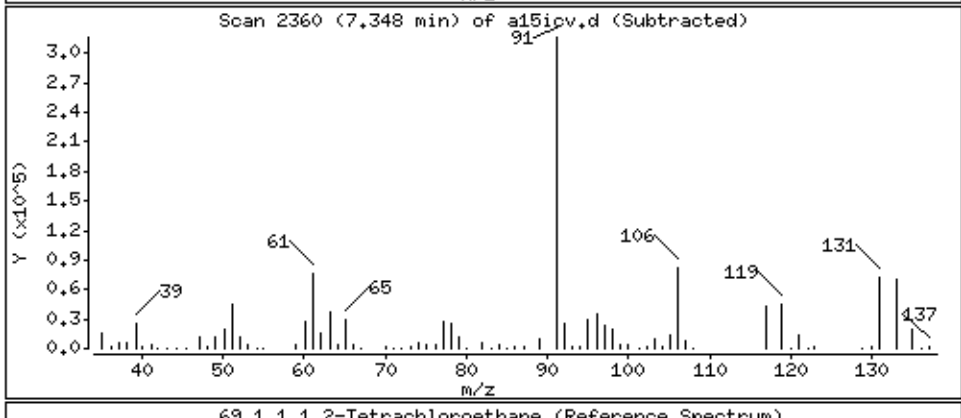
Column phase: DB-624

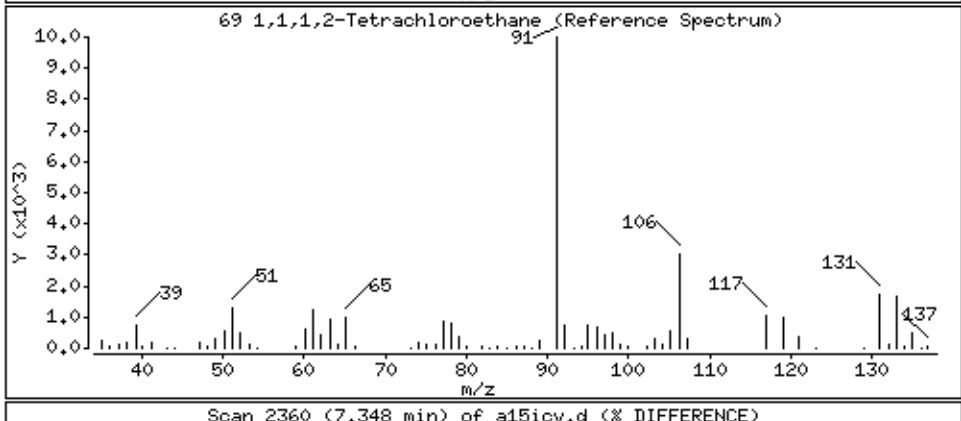
Column diameter: 0.18

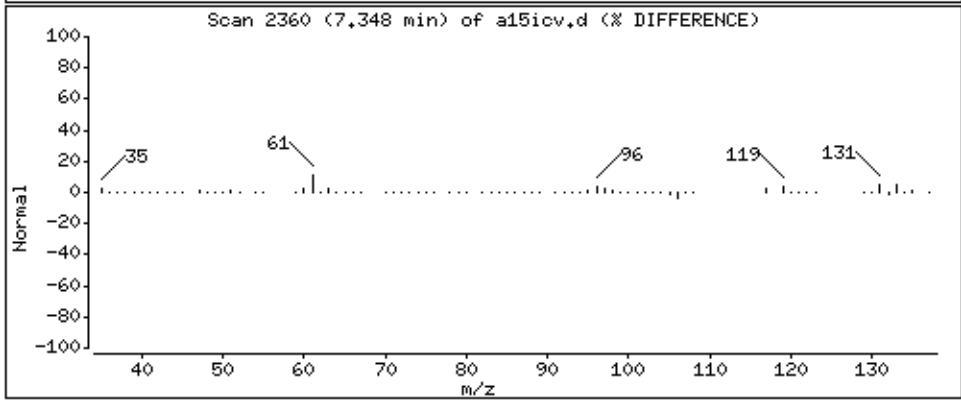
69 1,1,1,2-Tetrachloroethane

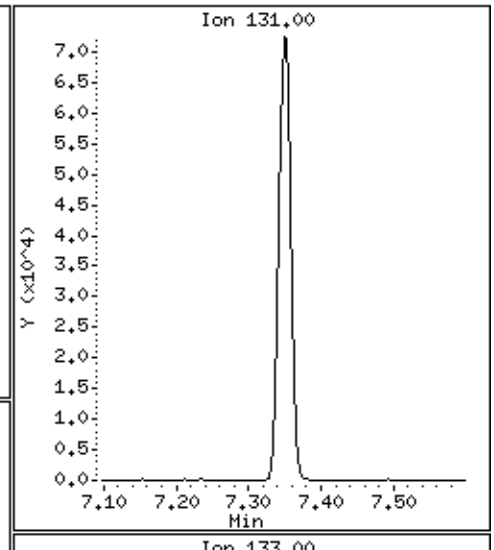
Concentration: 46.4 ppb

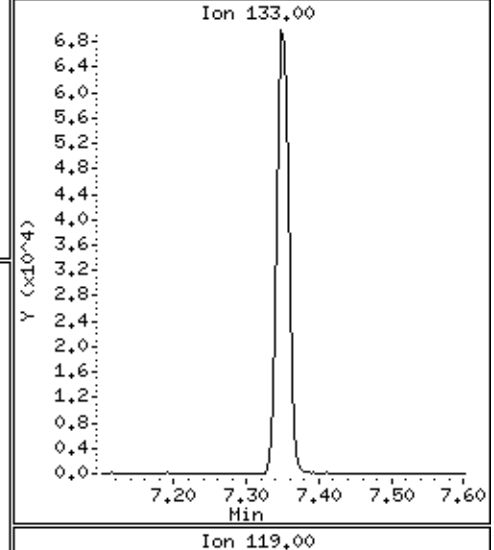


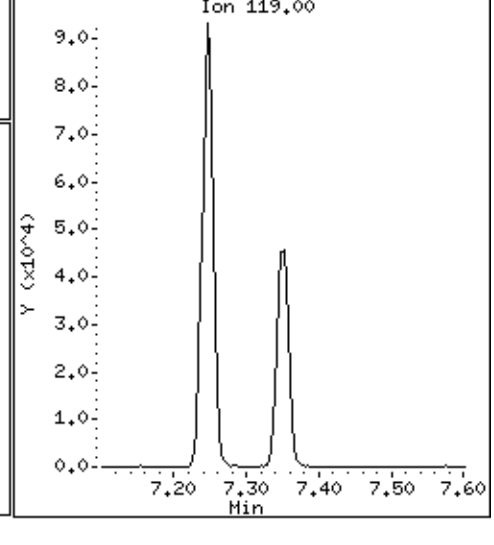












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

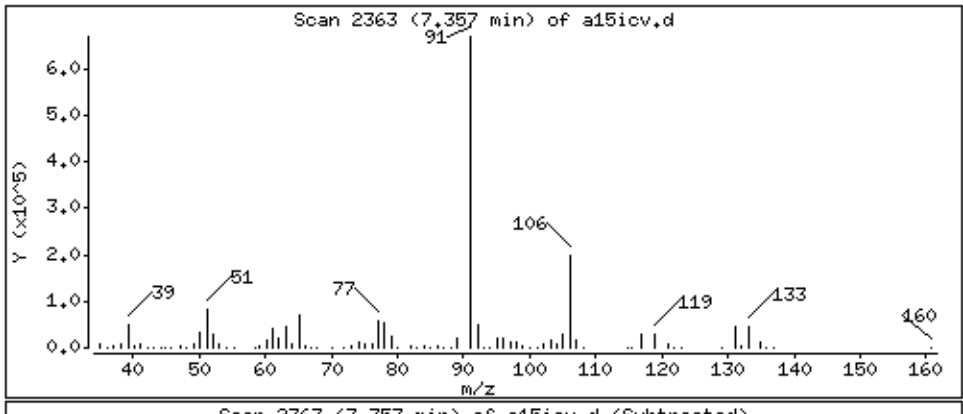
Operator: dae

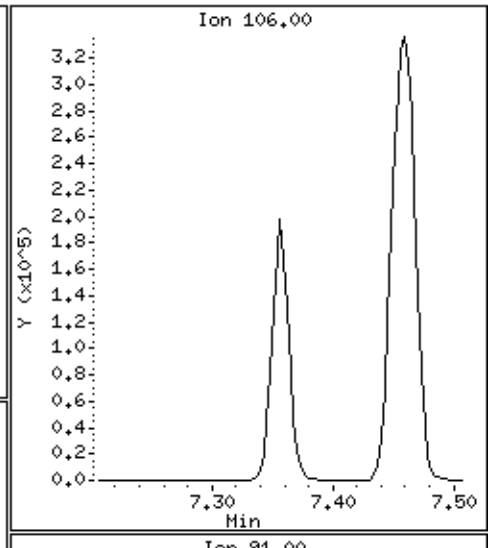
Column phase: DB-624

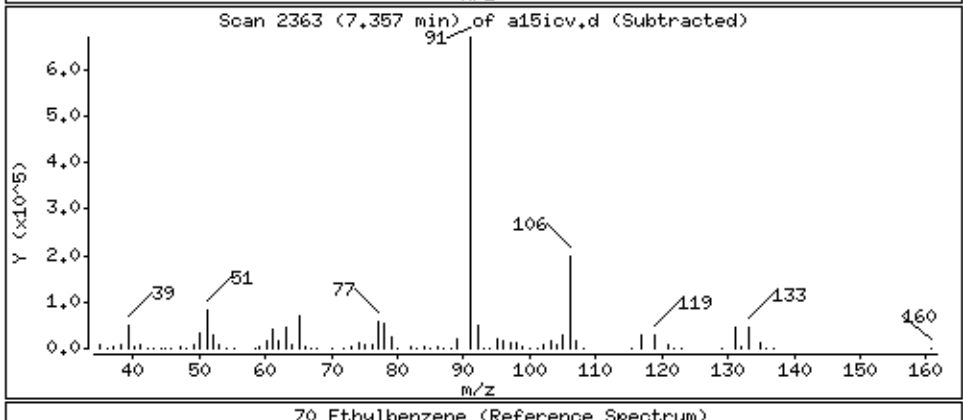
Column diameter: 0.18

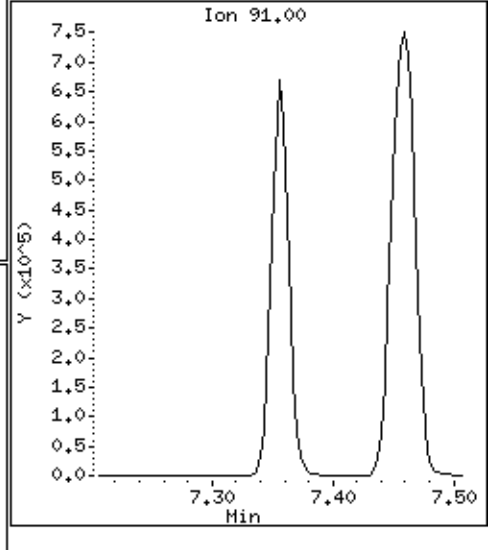
70 Ethylbenzene

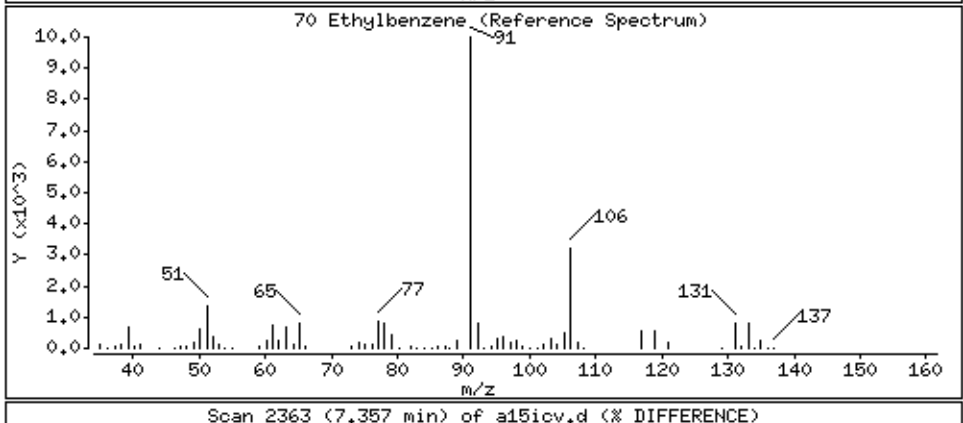
Concentration: 50.2 ppb

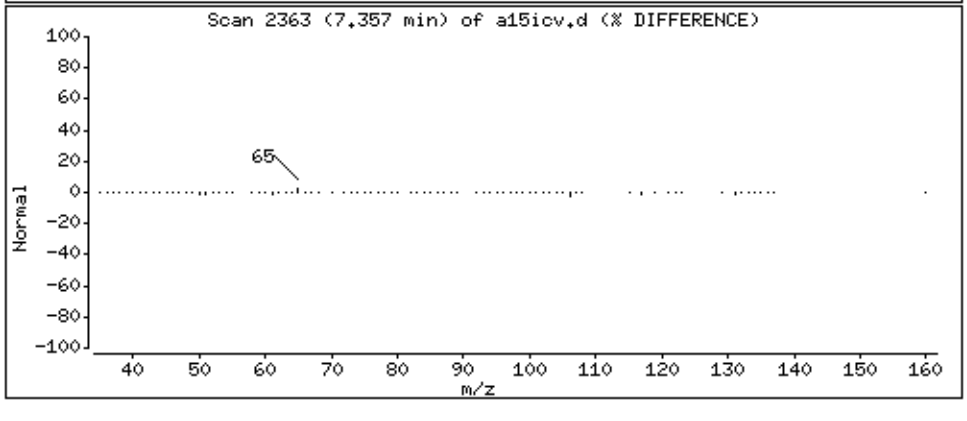












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

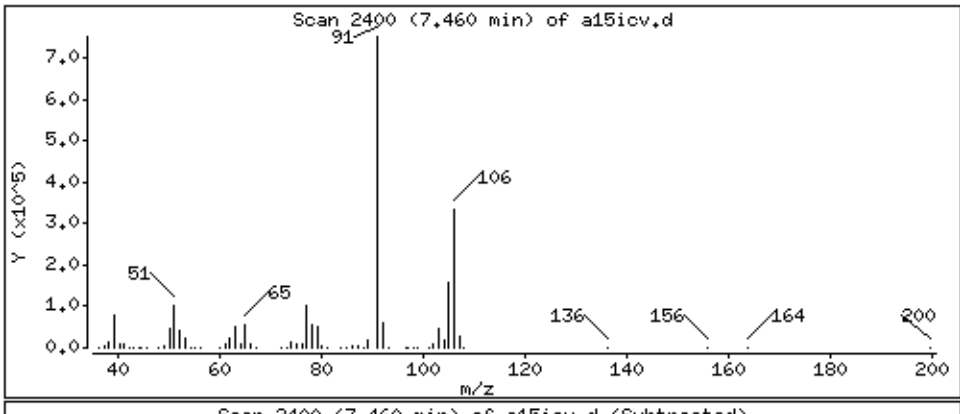
Operator: dae

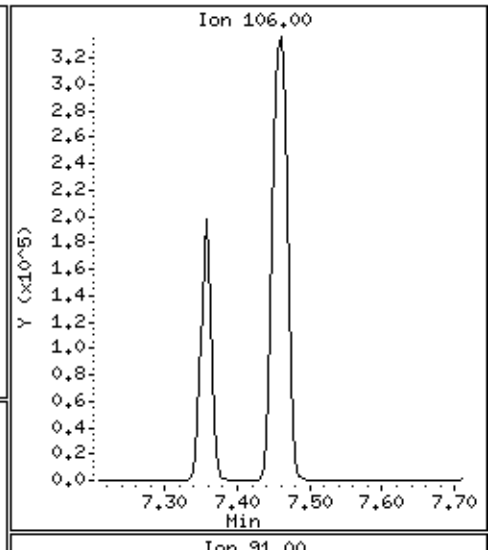
Column phase: DB-624

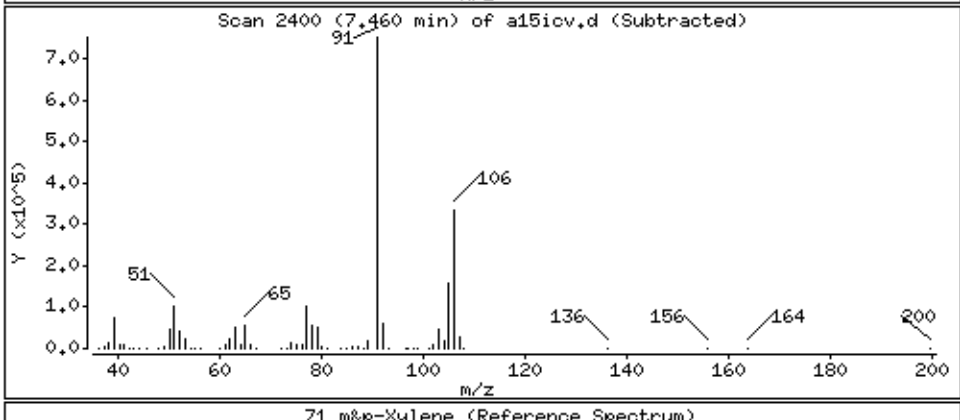
Column diameter: 0.18

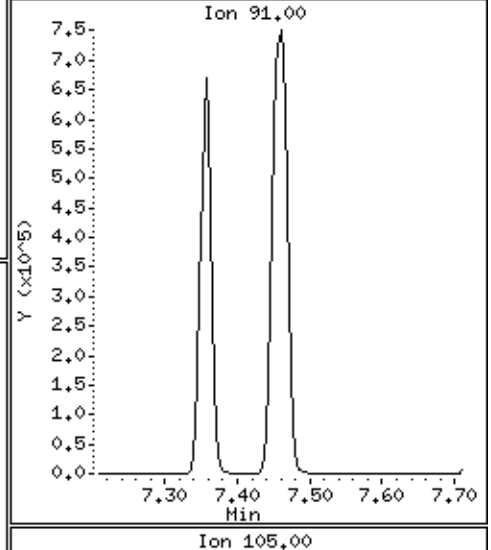
71 m&p-Xylene

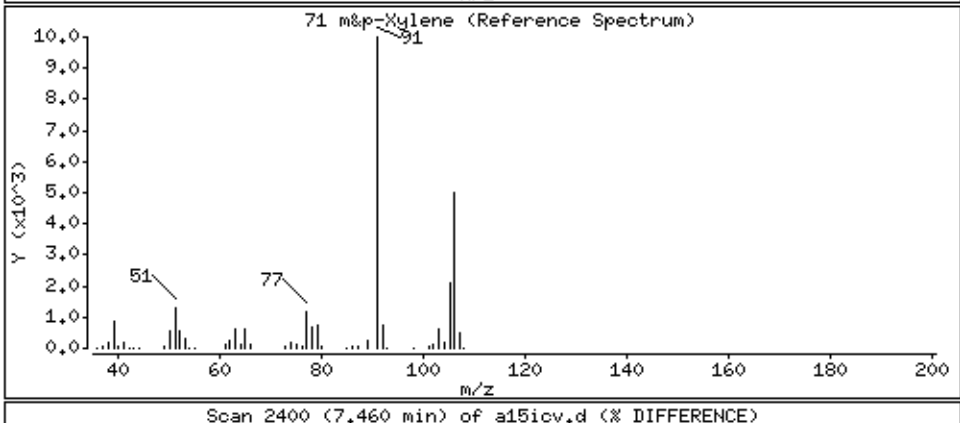
Concentration: 104 ppb

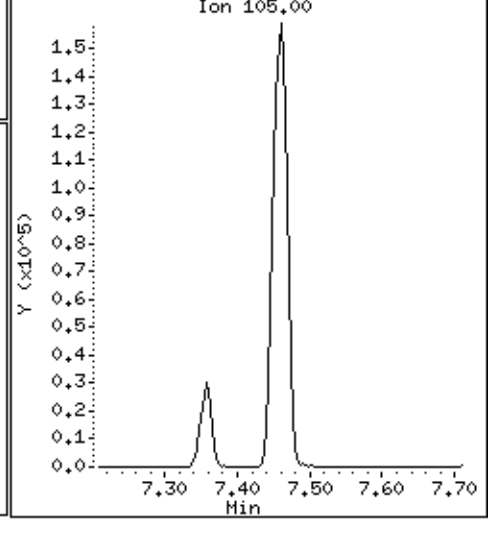


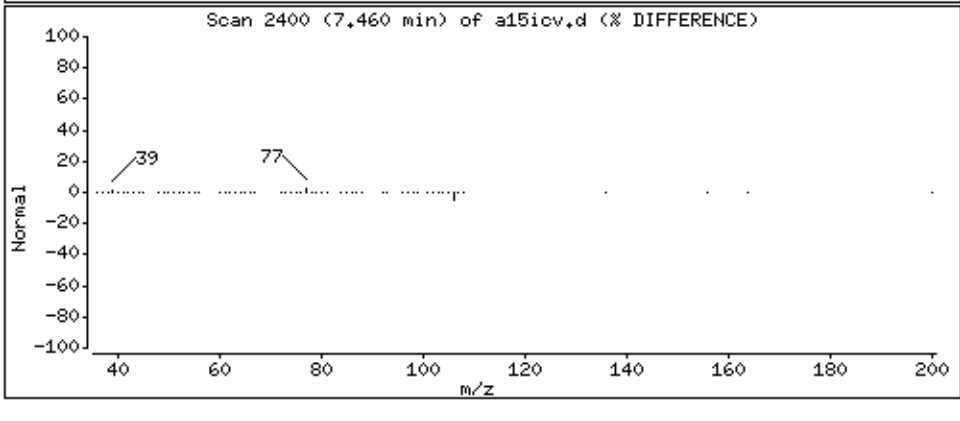












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

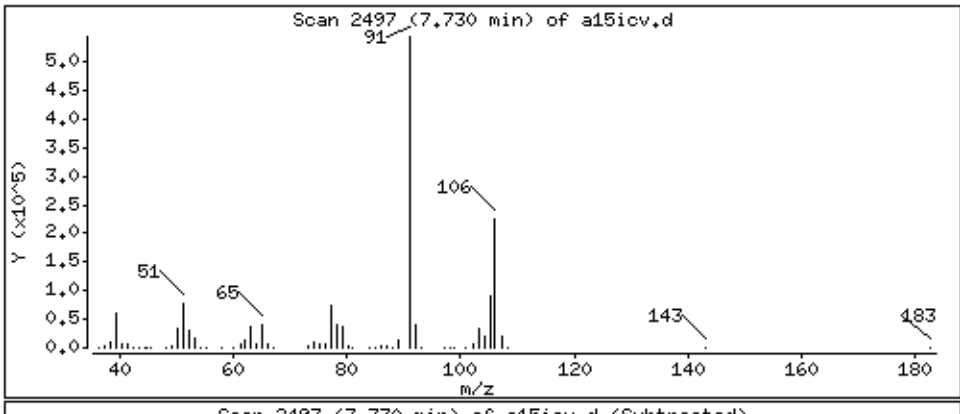
Operator: dae

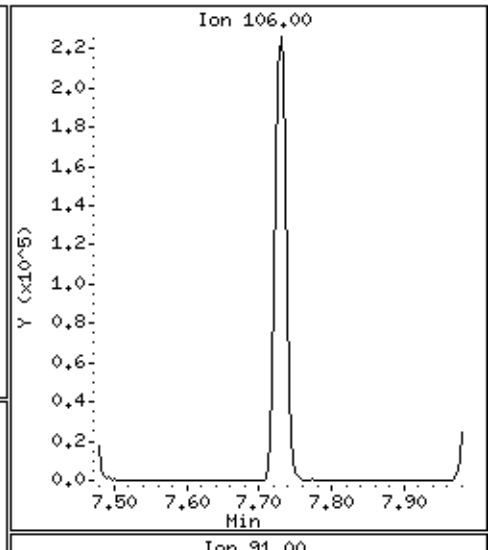
Column phase: DB-624

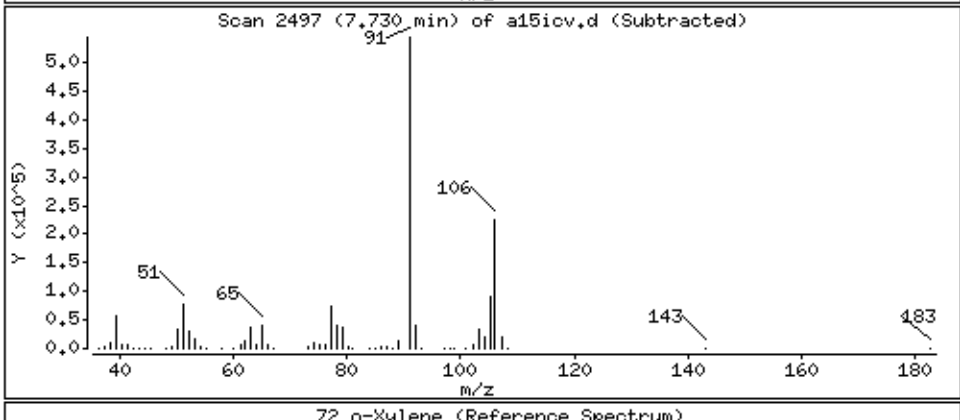
Column diameter: 0.18

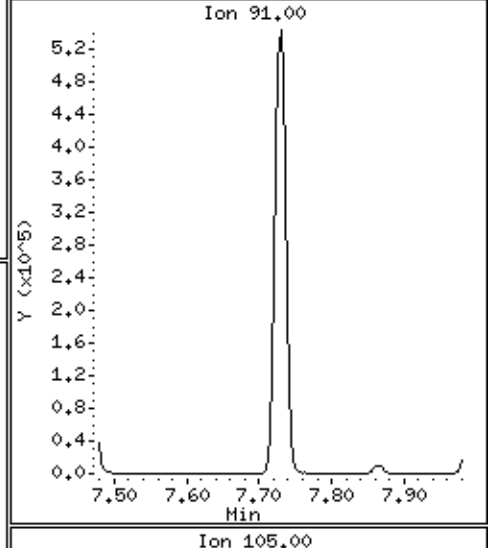
72 o-Xylene

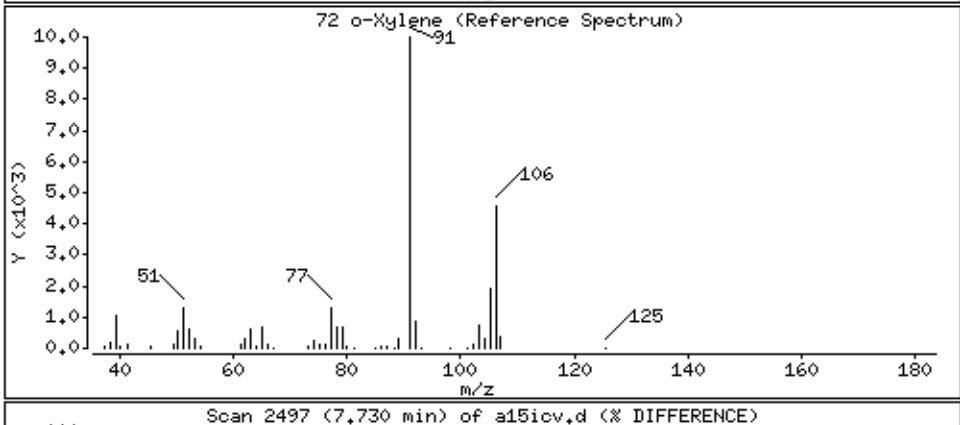
Concentration: 54.8 ppb

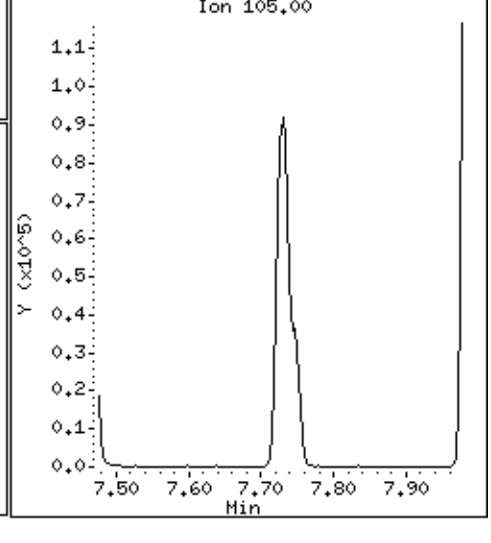


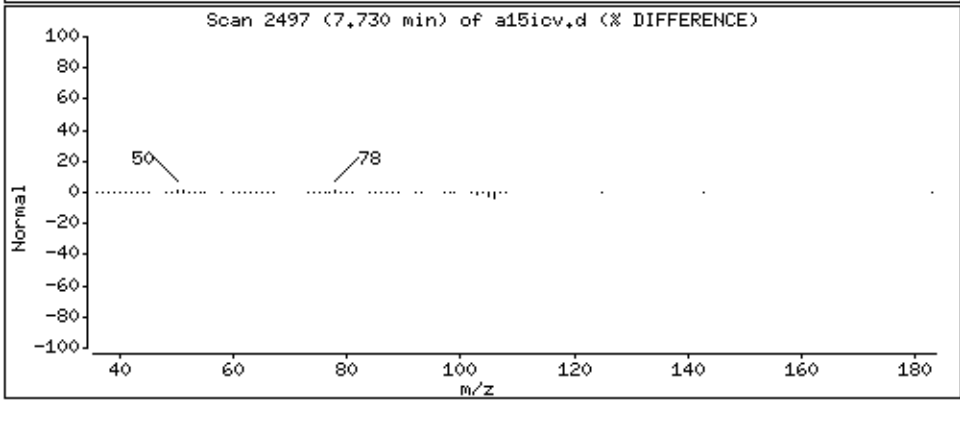












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

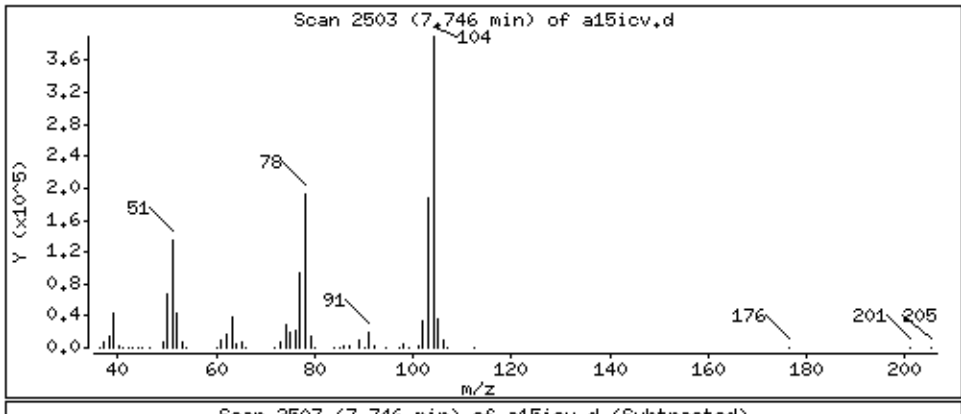
Operator: dae

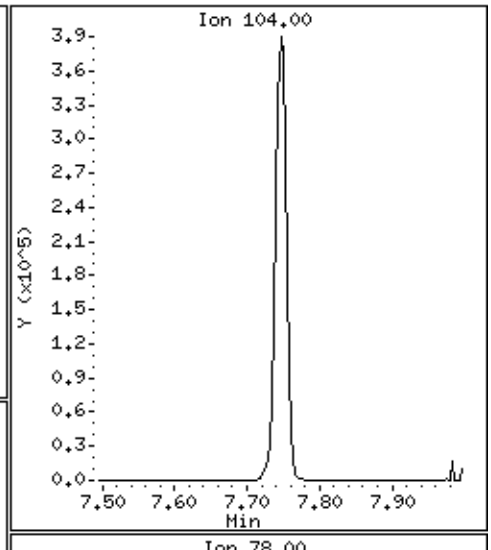
Column phase: DB-624

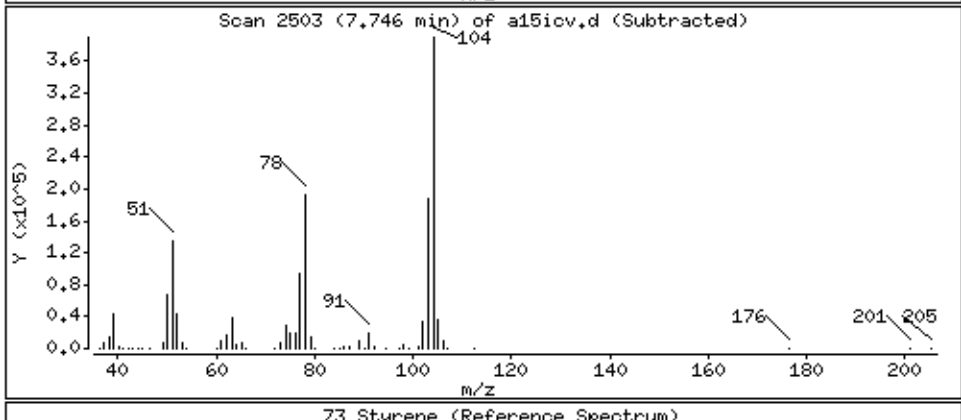
Column diameter: 0.18

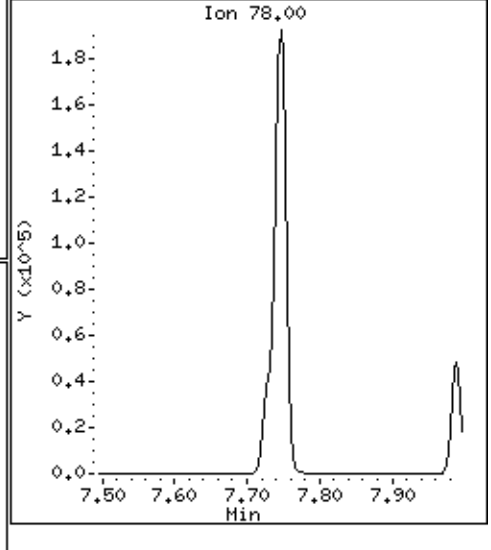
73 Styrene

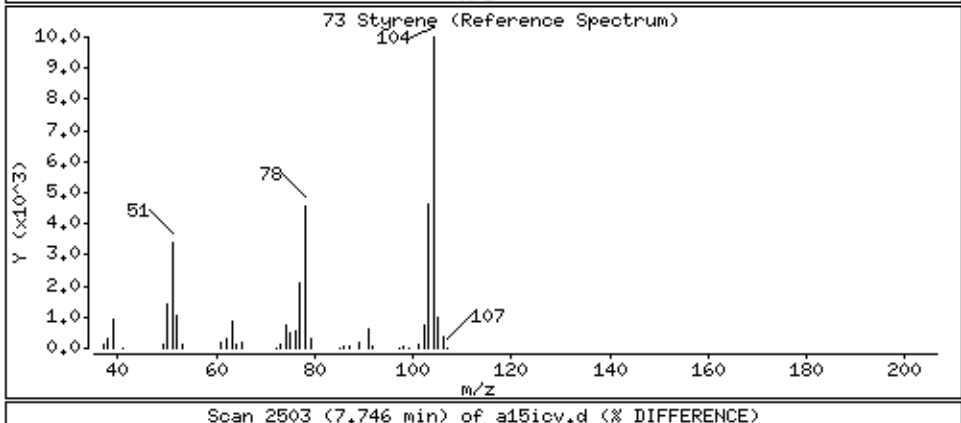
Concentration: 55.1 ppb

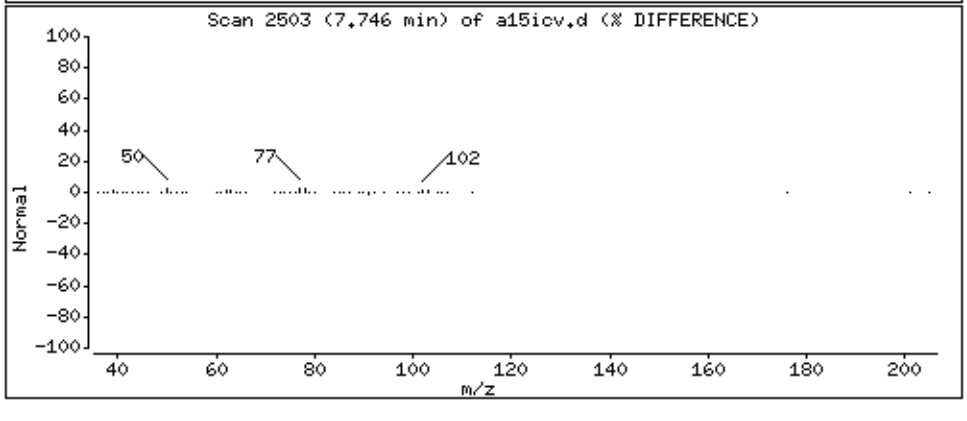












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

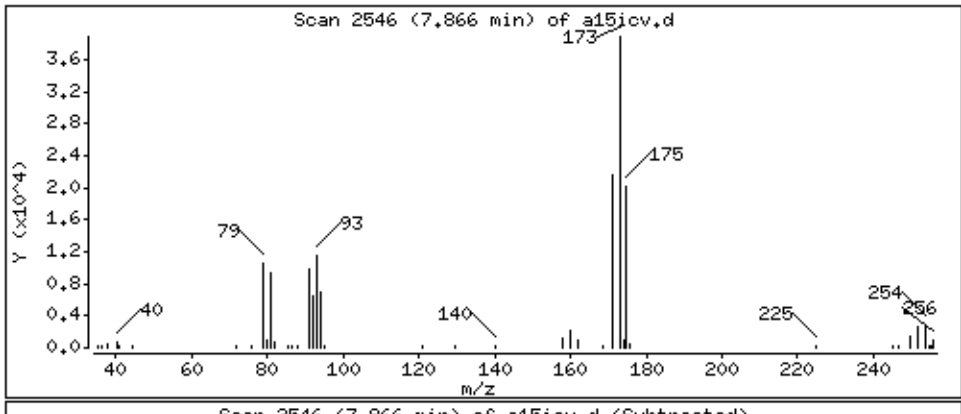
Operator: dae

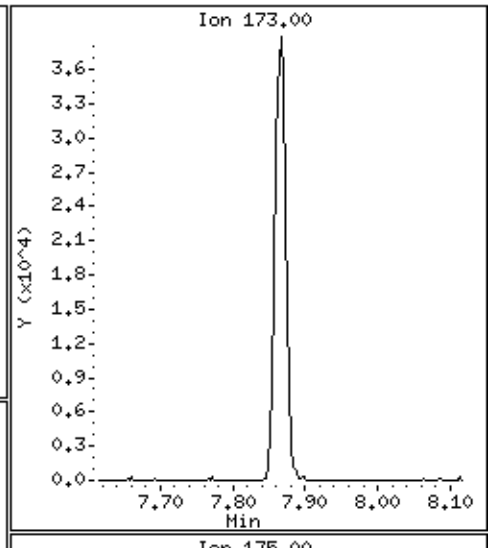
Column phase: DB-624

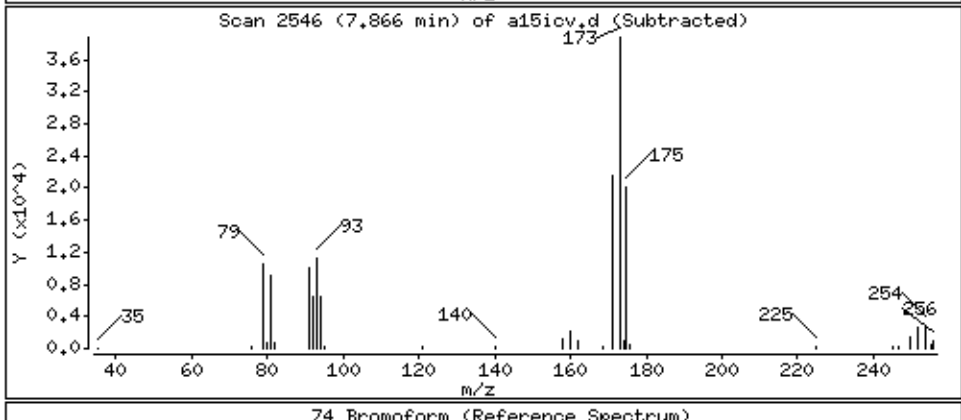
Column diameter: 0.18

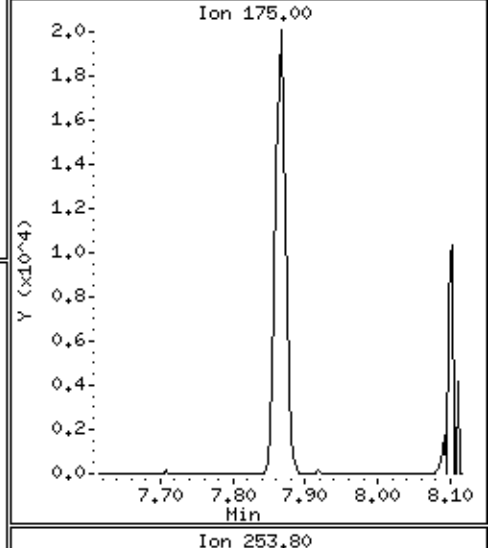
74 Bromoform

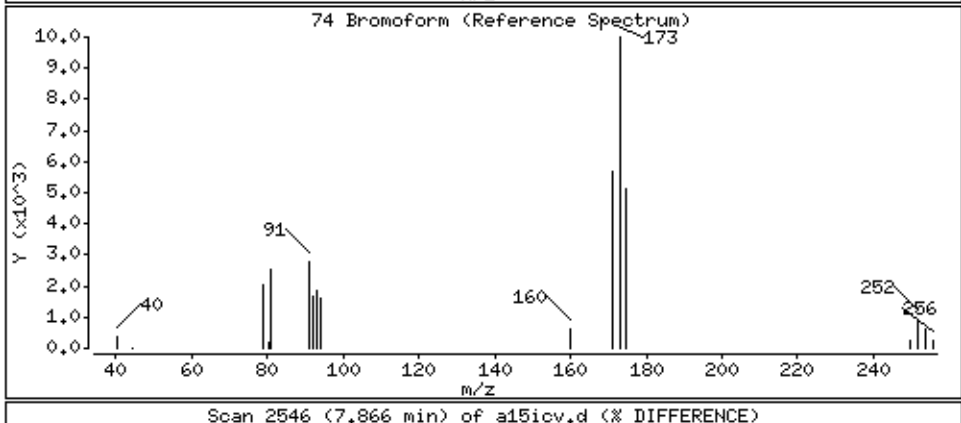
Concentration: 45.9 ppb

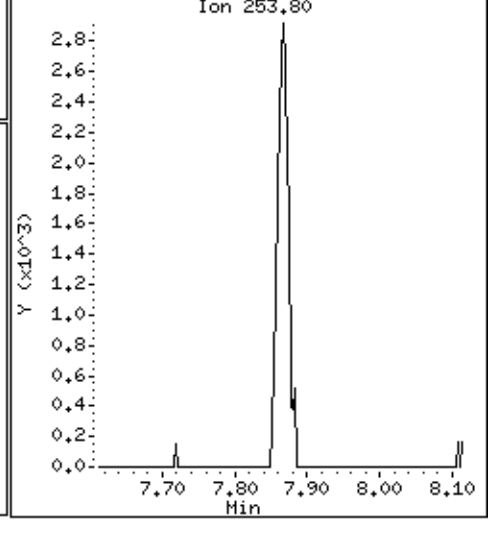


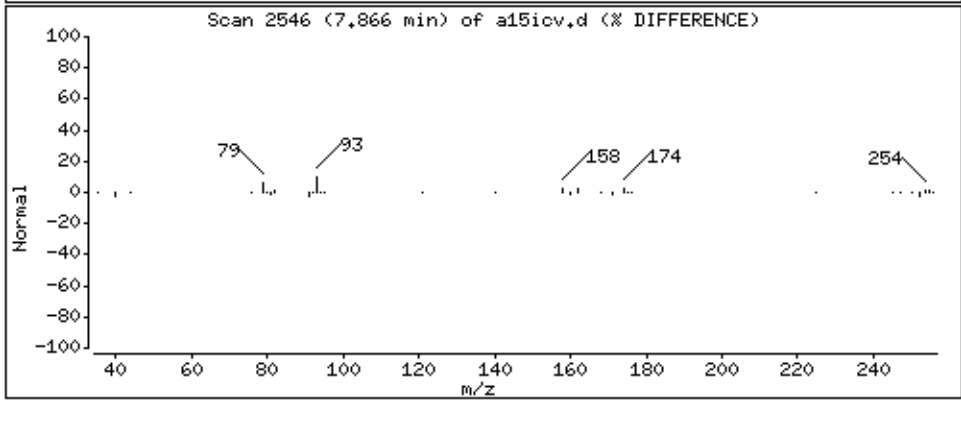












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

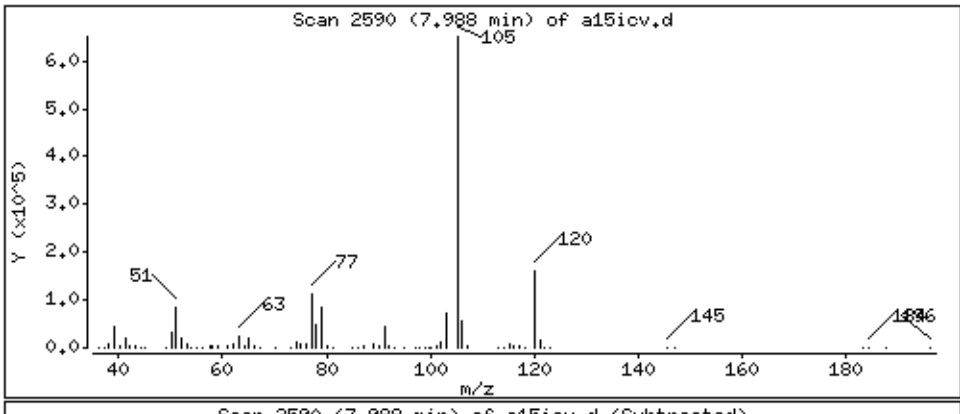
Operator: dae

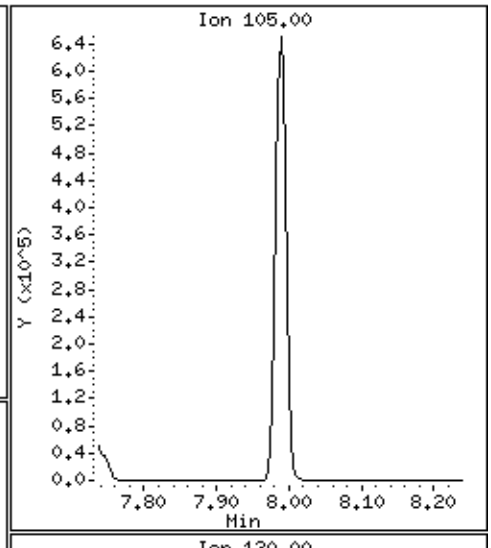
Column phase: DB-624

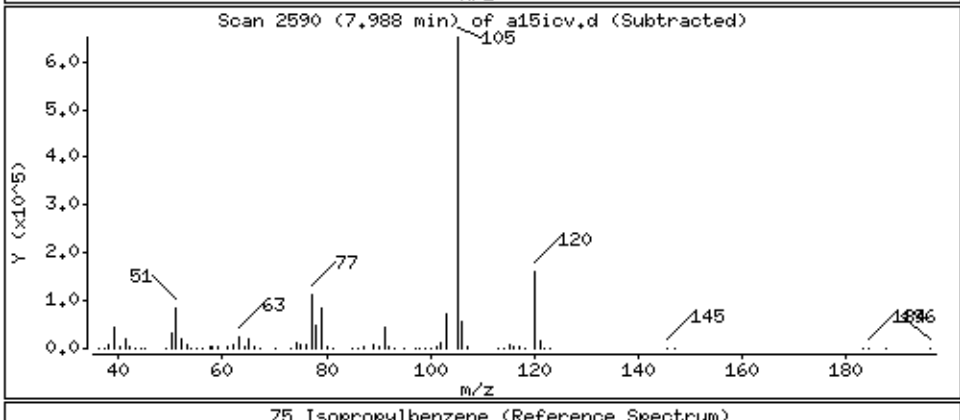
Column diameter: 0.18

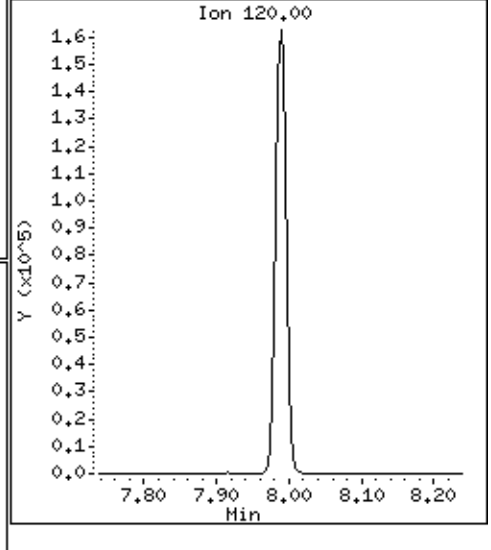
75 Isopropylbenzene

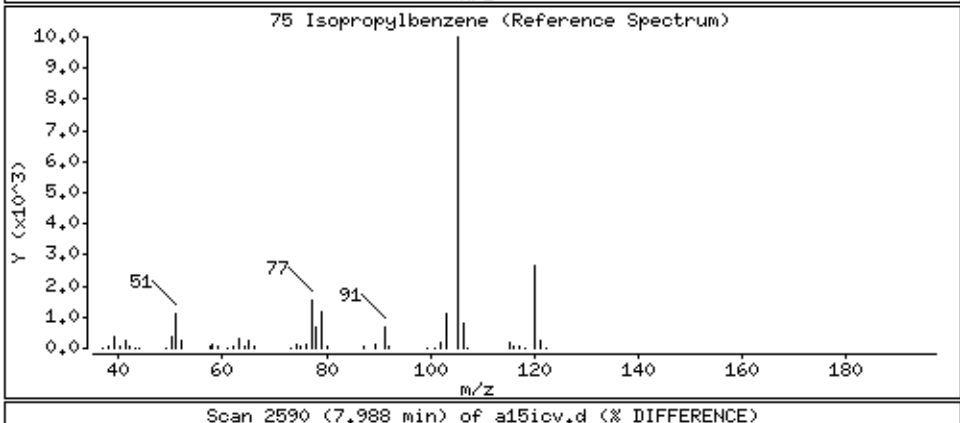
Concentration: 55.5 ppb

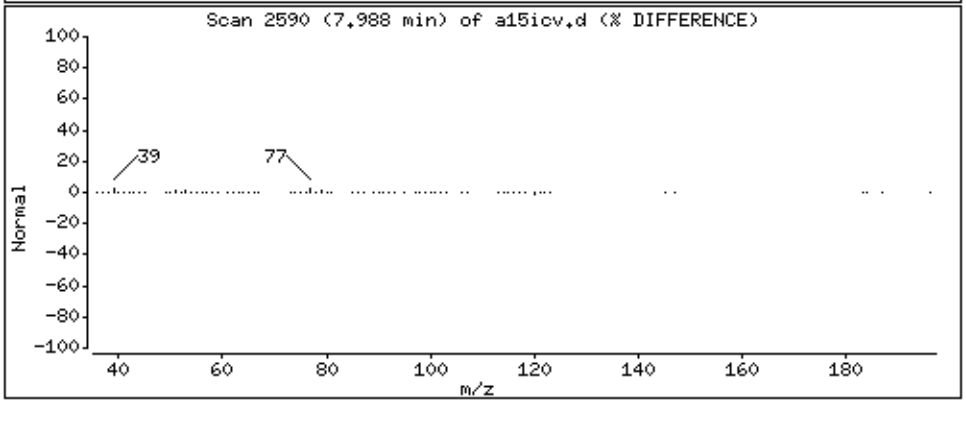












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

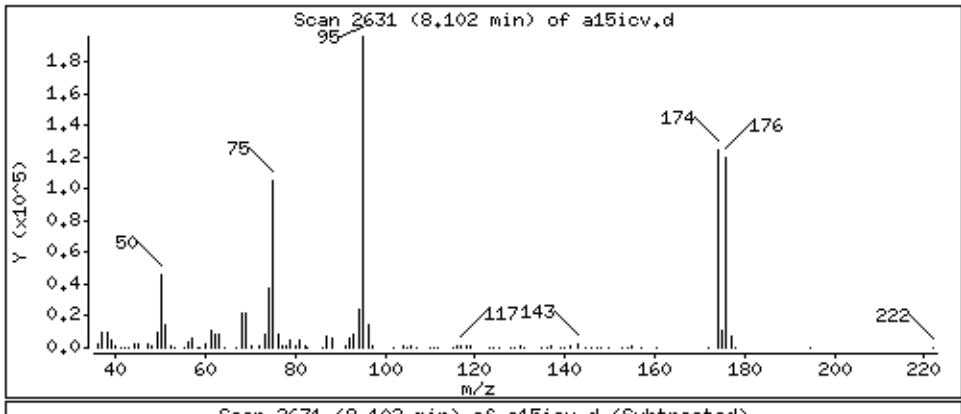
Purge Volume: 5.0

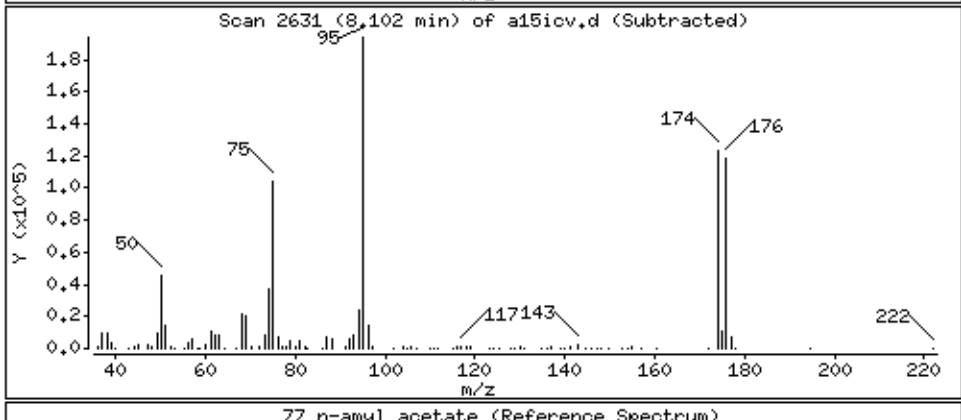
Operator: dae

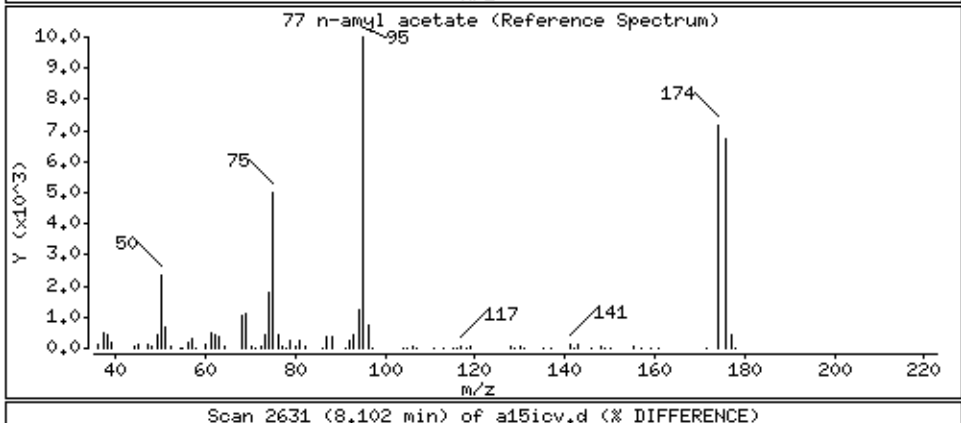
Column phase: DB-624

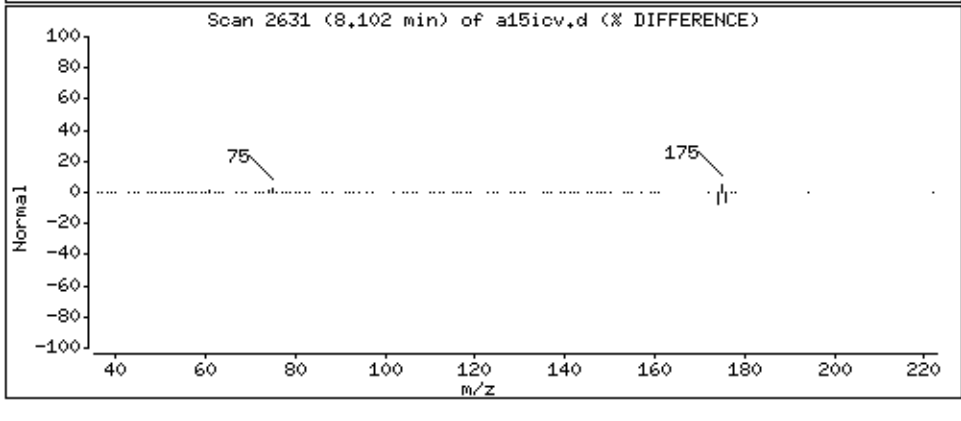
Column diameter: 0.18

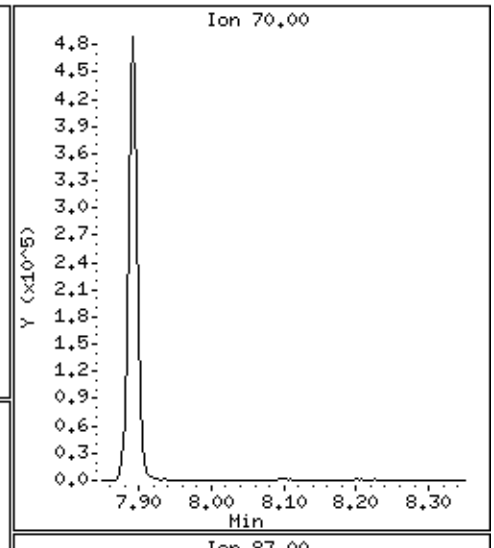
77 n-amyl acetate

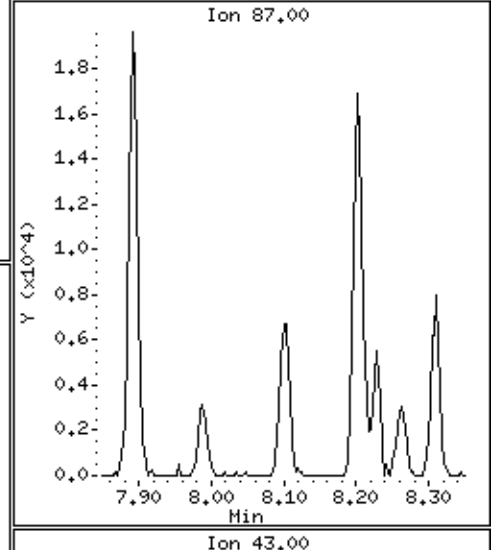


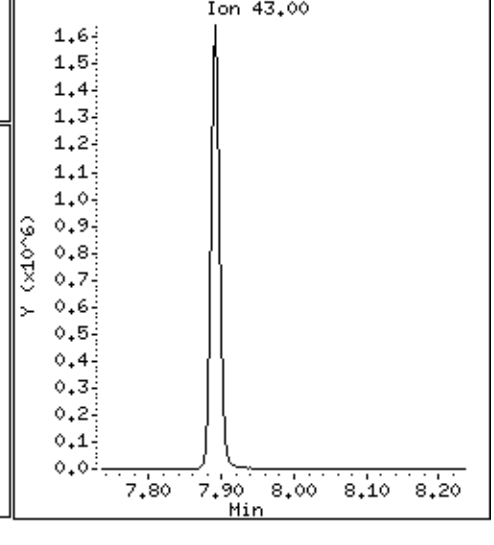












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

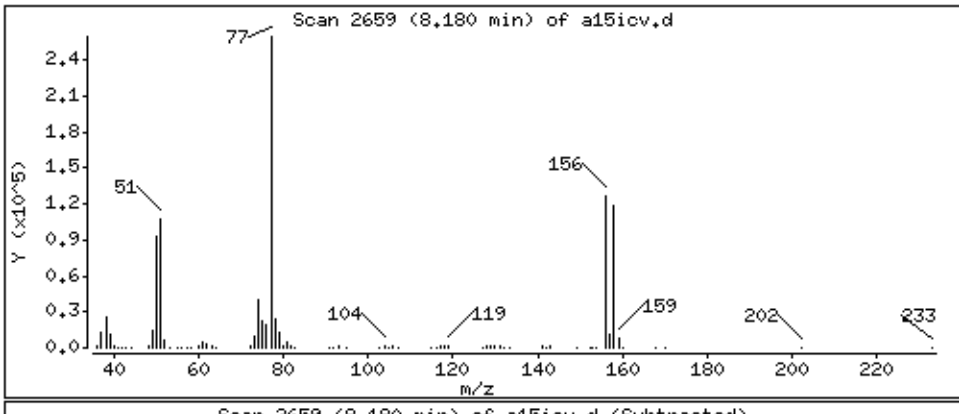
Operator: dae

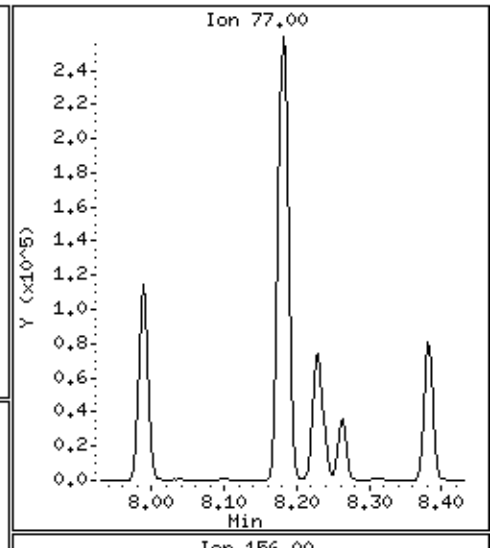
Column phase: DB-624

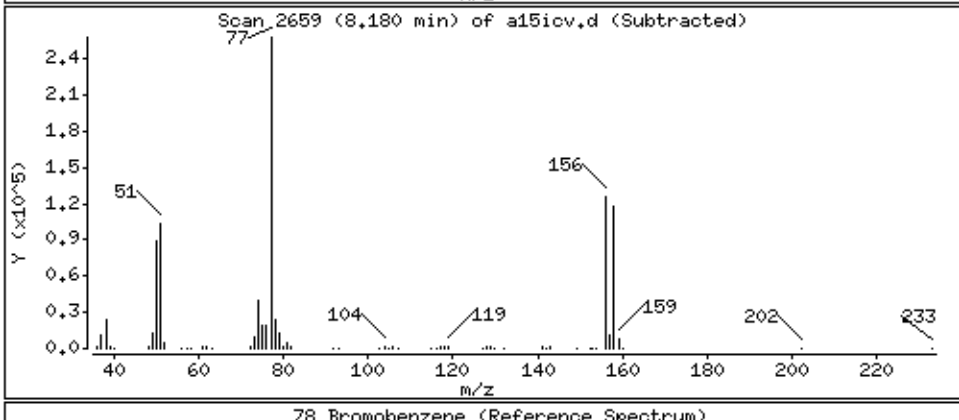
Column diameter: 0.18

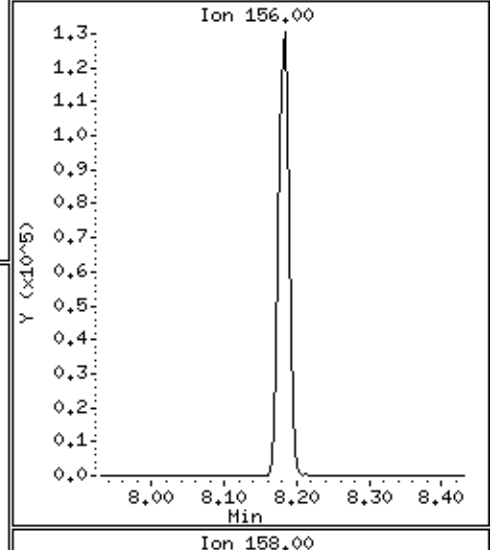
78 Bromobenzene

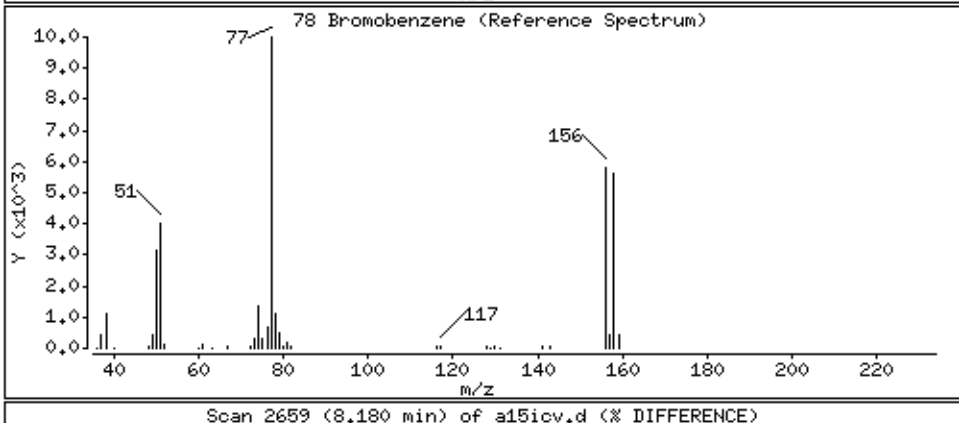
Concentration: 51.4 ppb

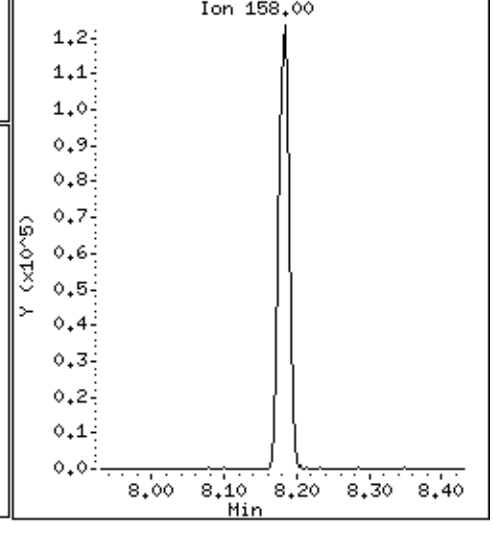


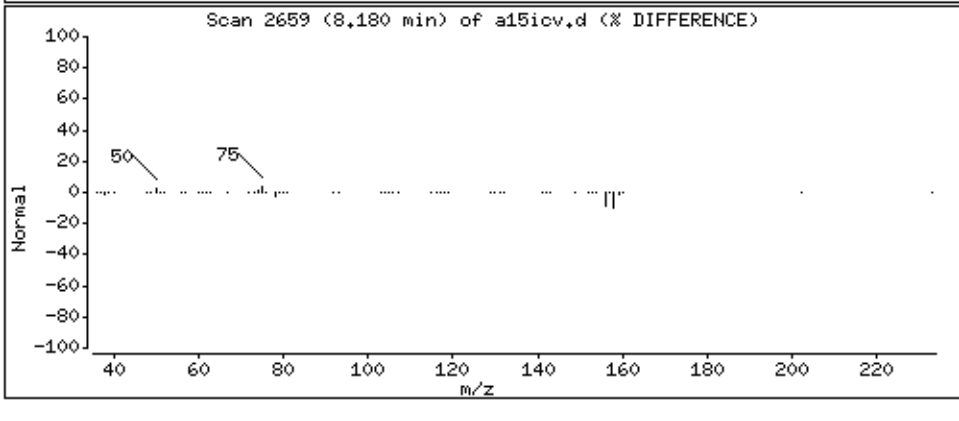












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

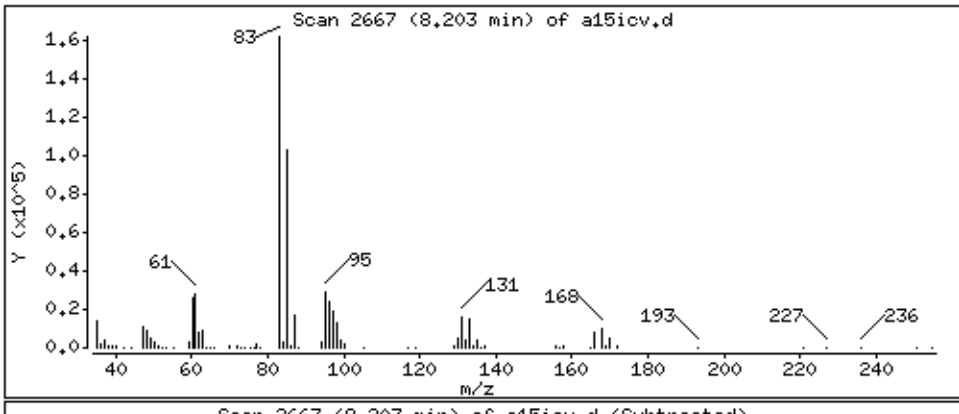
Operator: dae

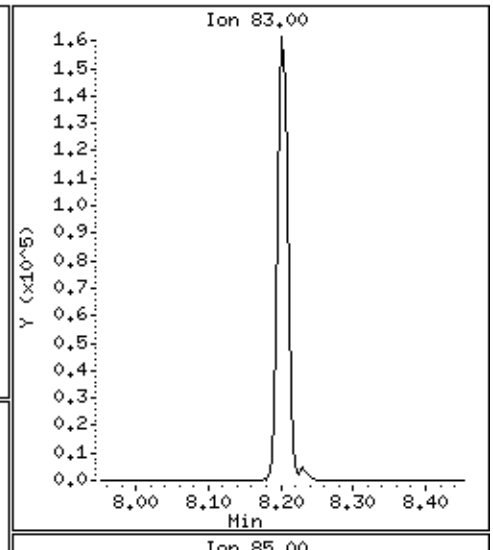
Column phase: DB-624

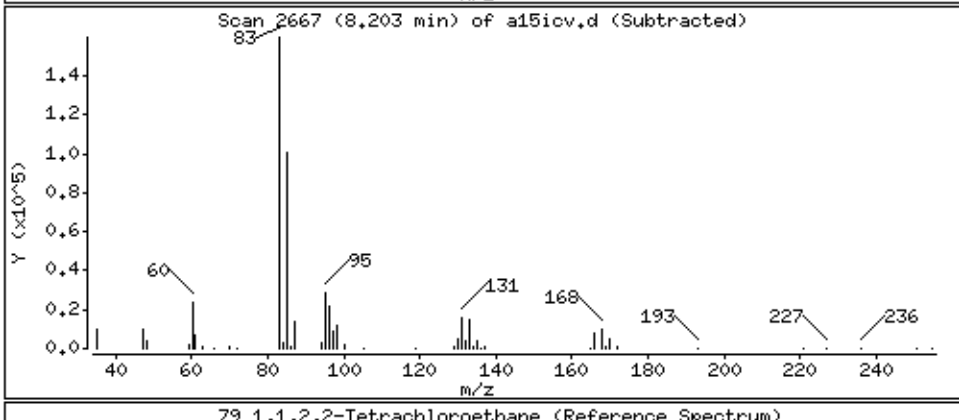
Column diameter: 0.18

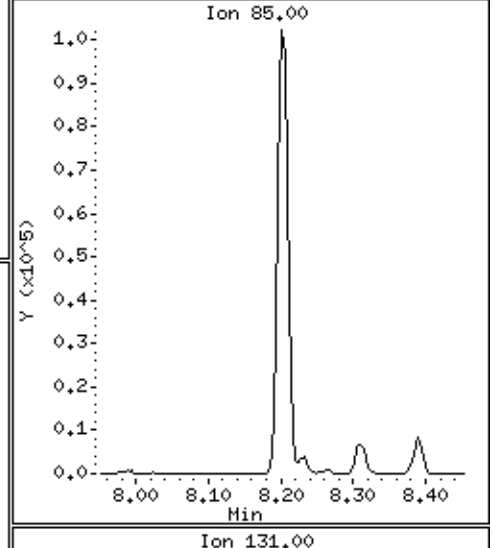
79 1,1,2,2-Tetrachloroethane

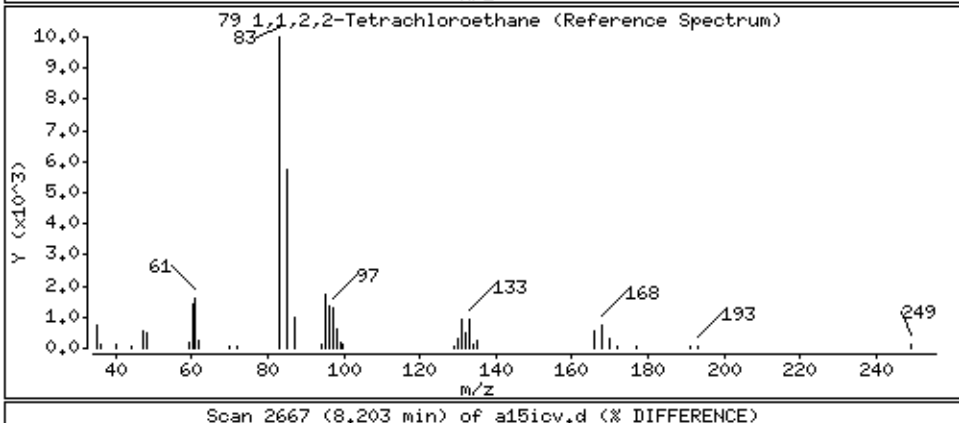
Concentration: 51.0 ppb

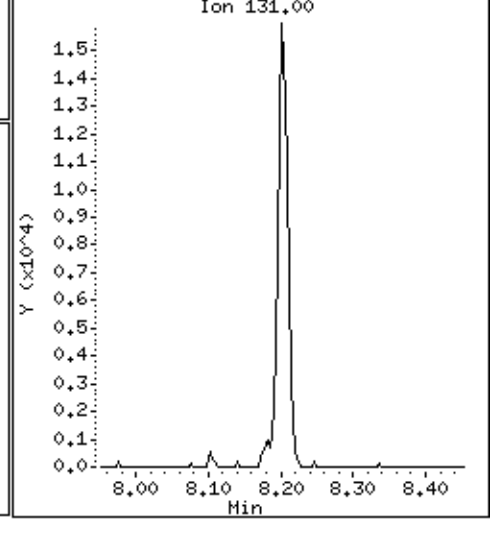


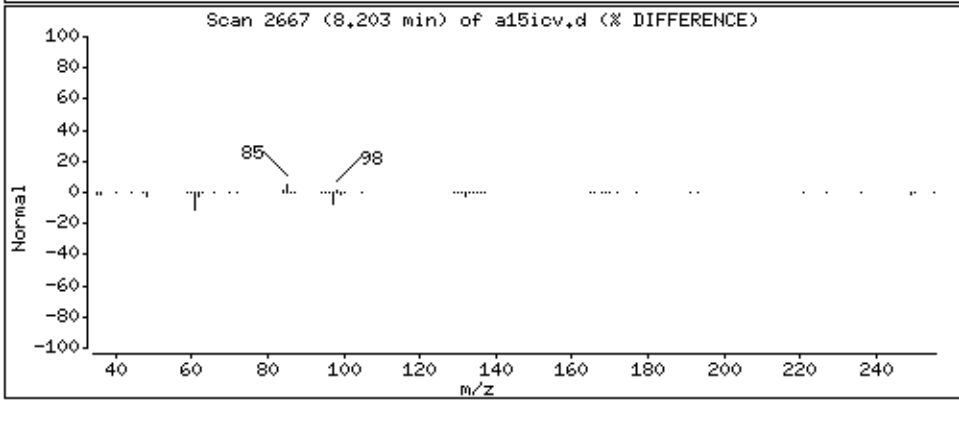












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

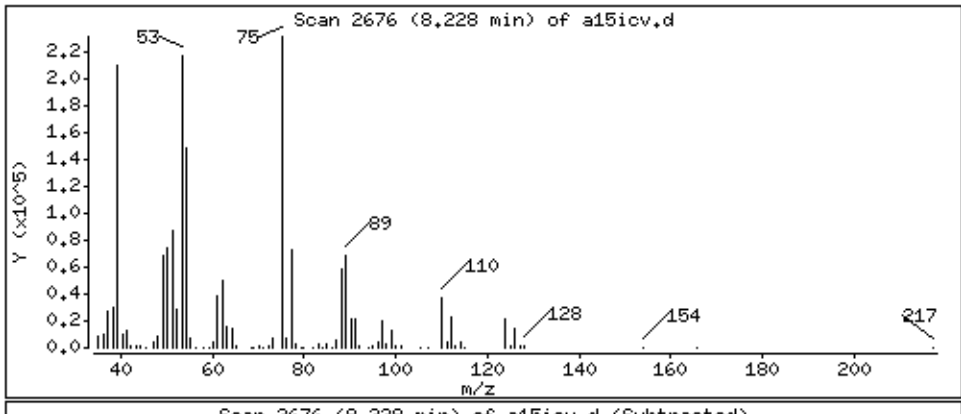
Operator: dae

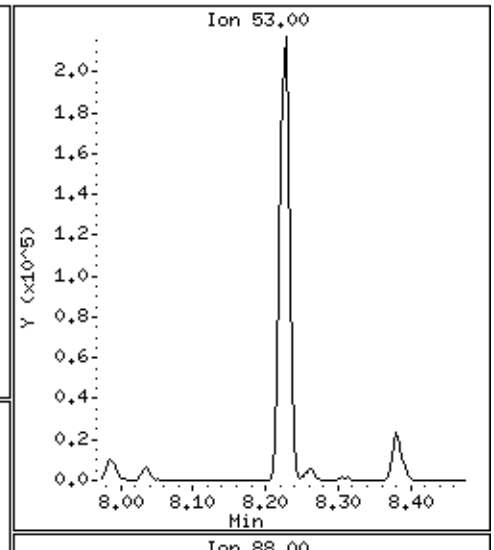
Column phase: DB-624

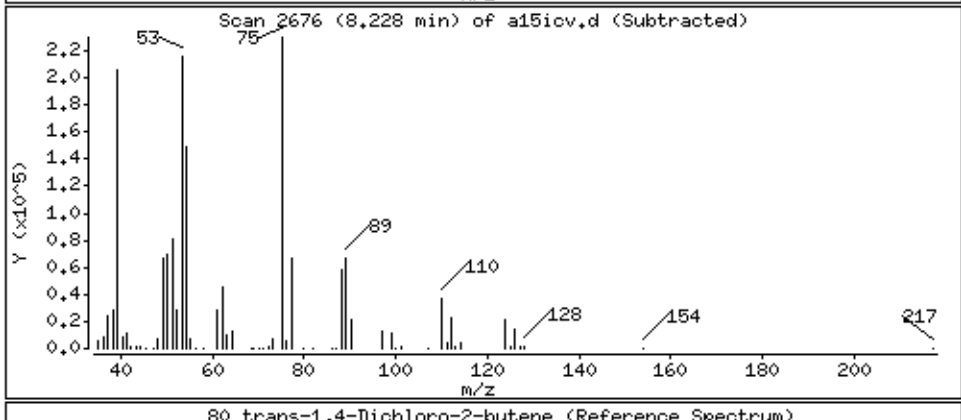
Column diameter: 0.18

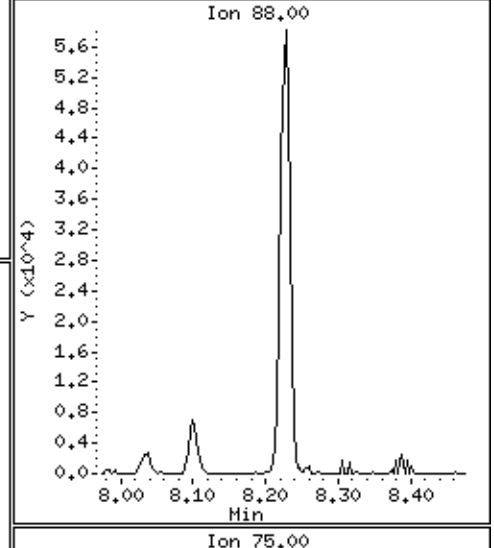
80 trans-1,4-Dichloro-2-butene

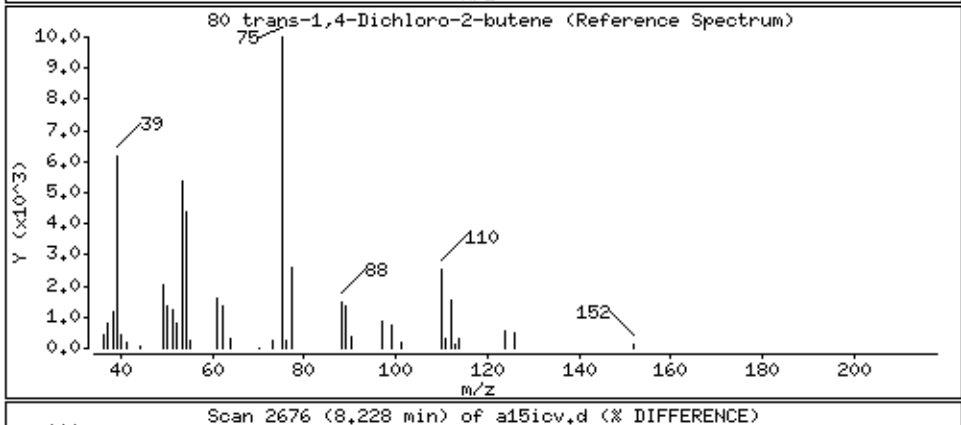
Concentration: 185 ppb

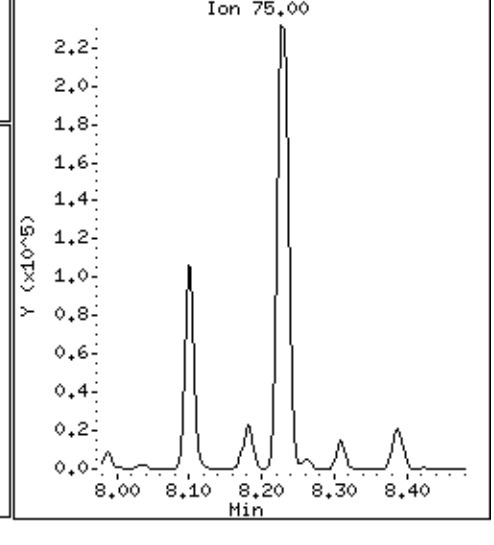


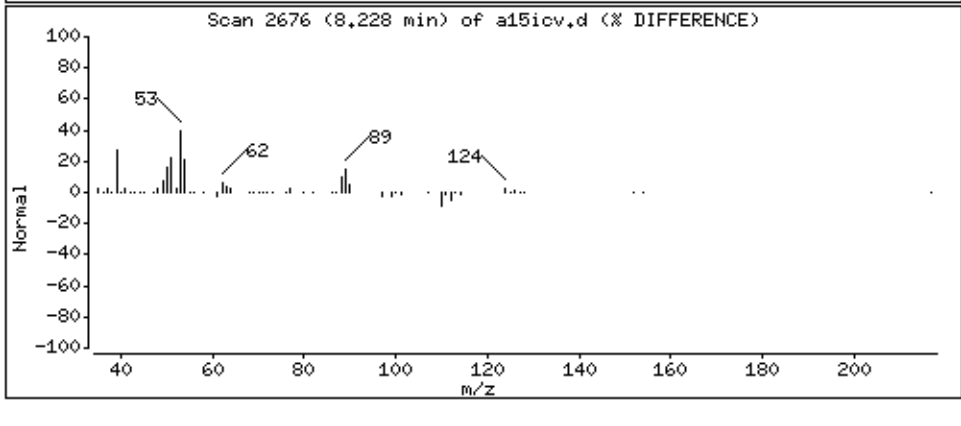












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

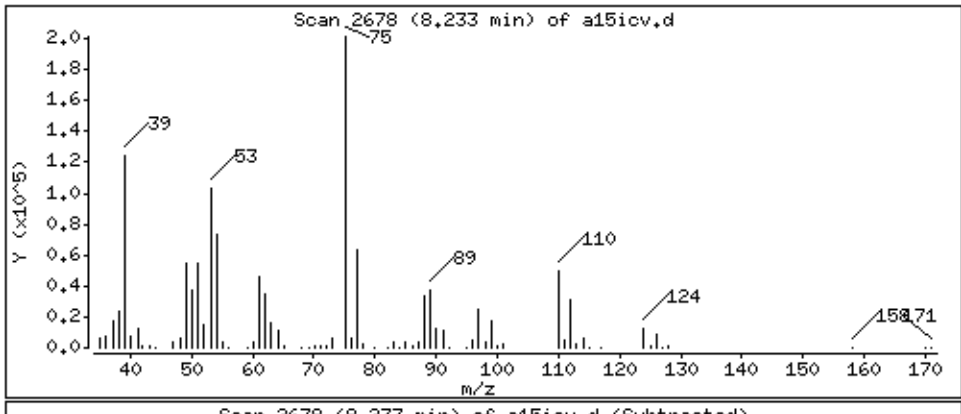
Operator: dae

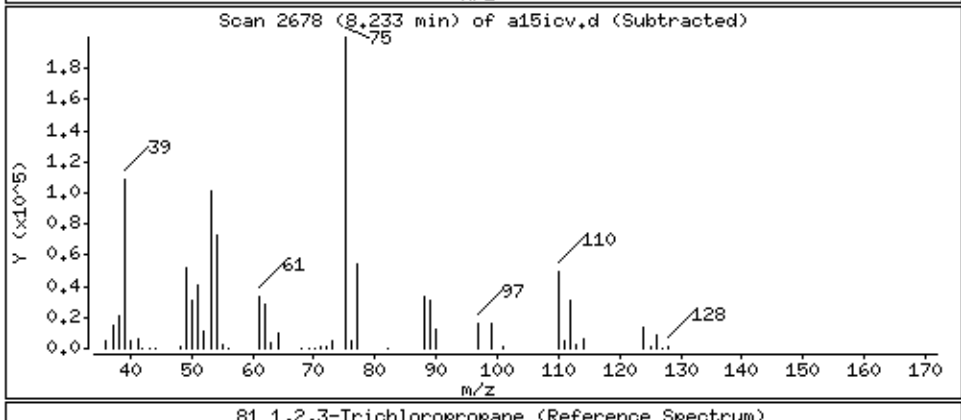
Column phase: DB-624

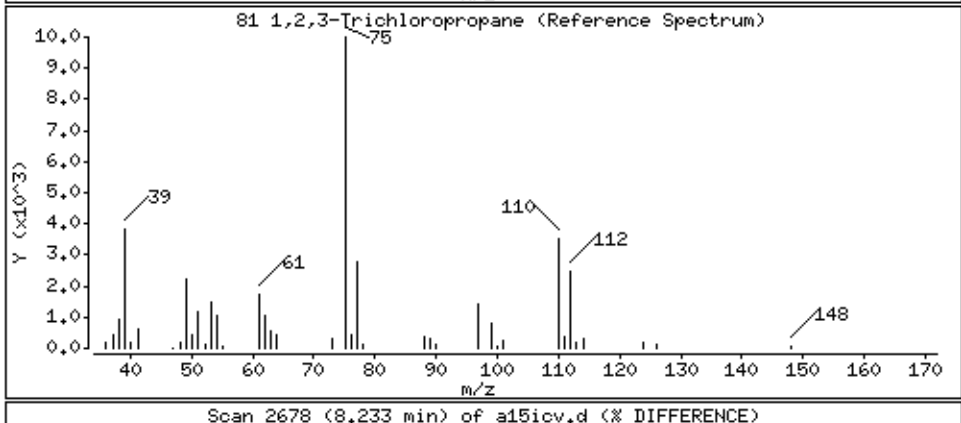
Column diameter: 0.18

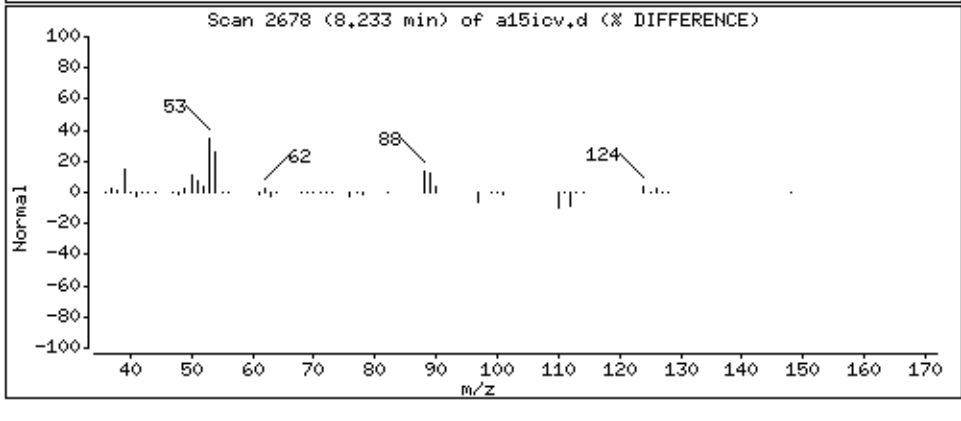
81 1,2,3-Trichloropropane

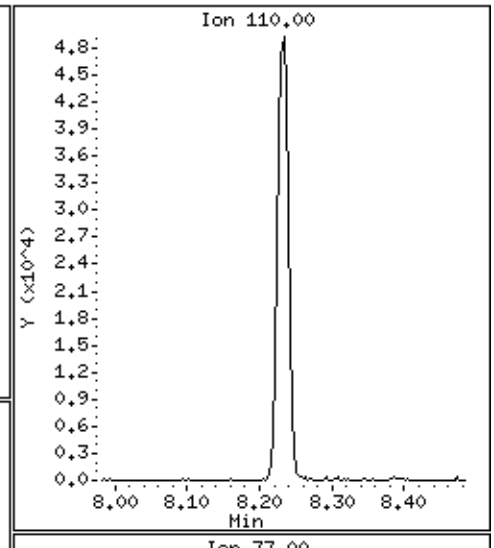
Concentration: 49.8 ppb

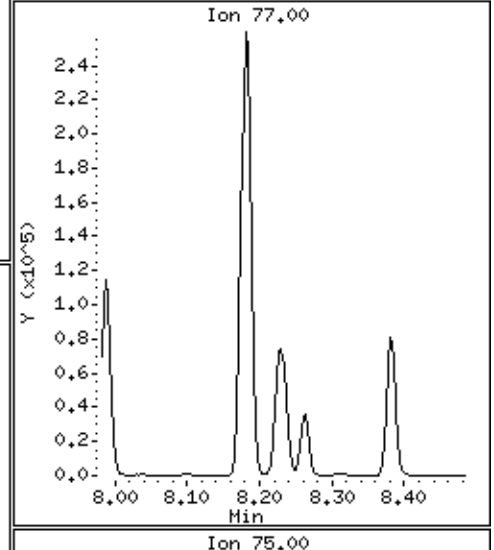


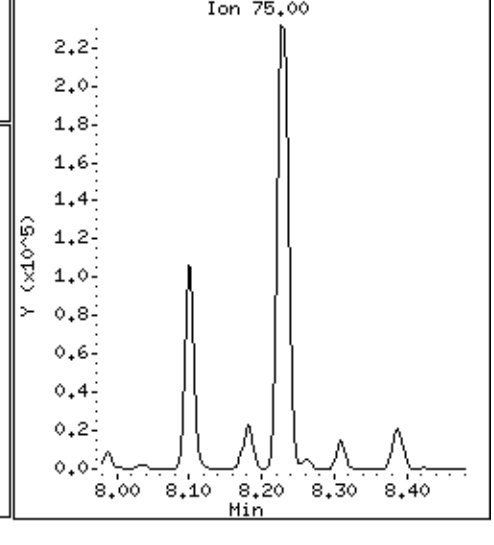












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

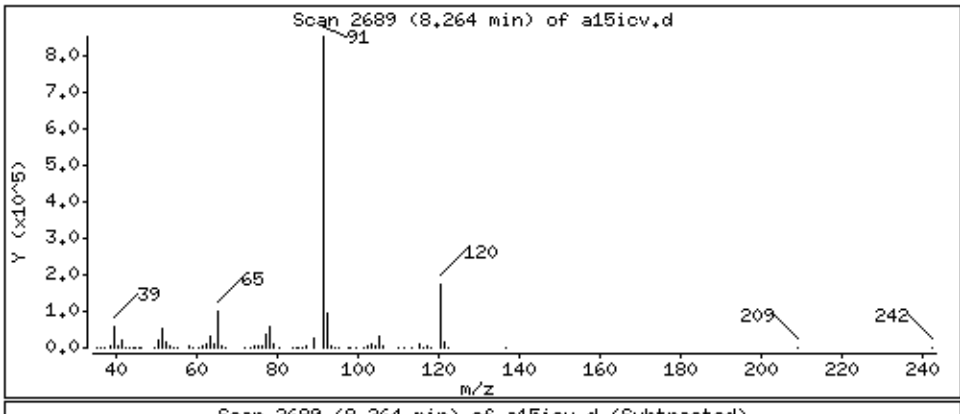
Operator: dae

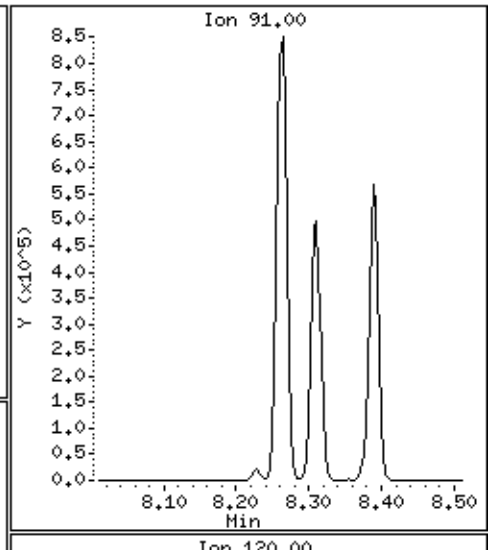
Column phase: DB-624

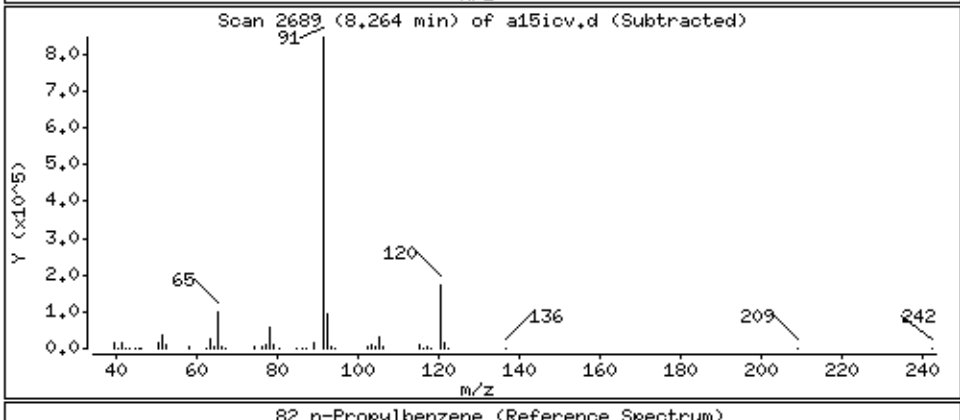
Column diameter: 0.18

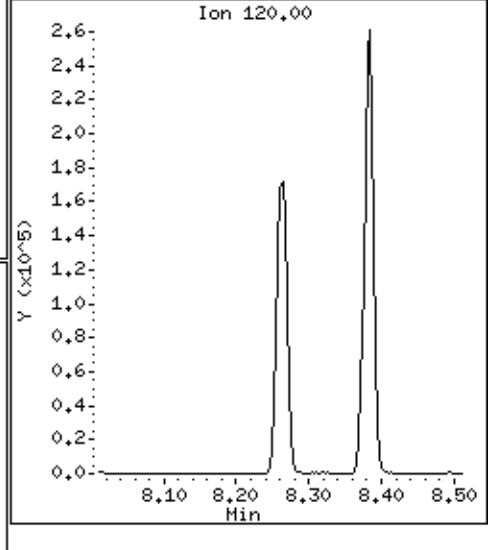
82 n-Propylbenzene

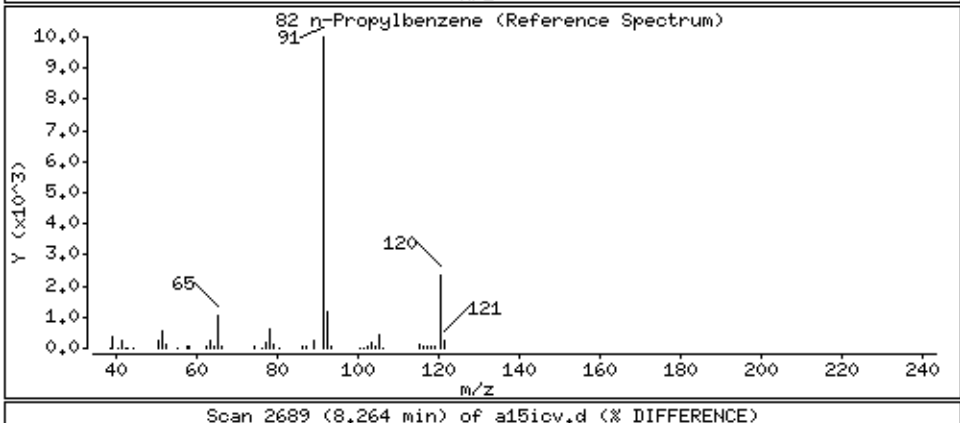
Concentration: 51.6 ppb

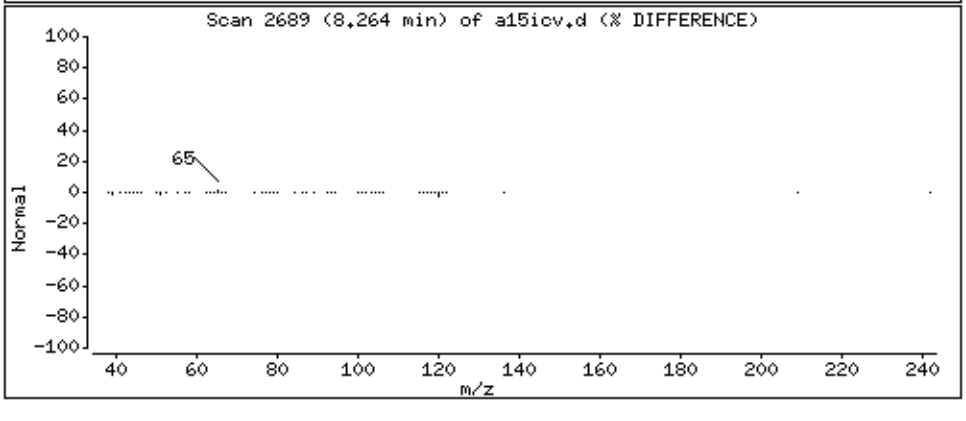












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

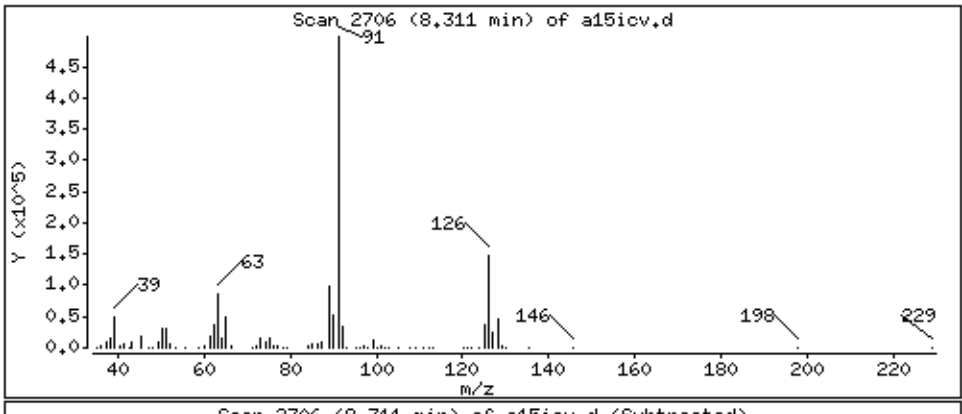
Operator: dae

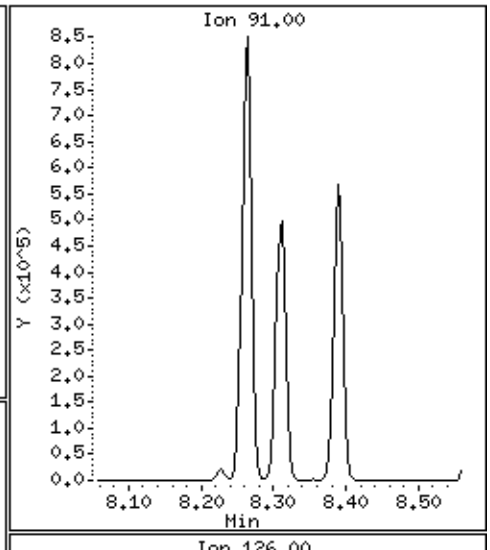
Column phase: DB-624

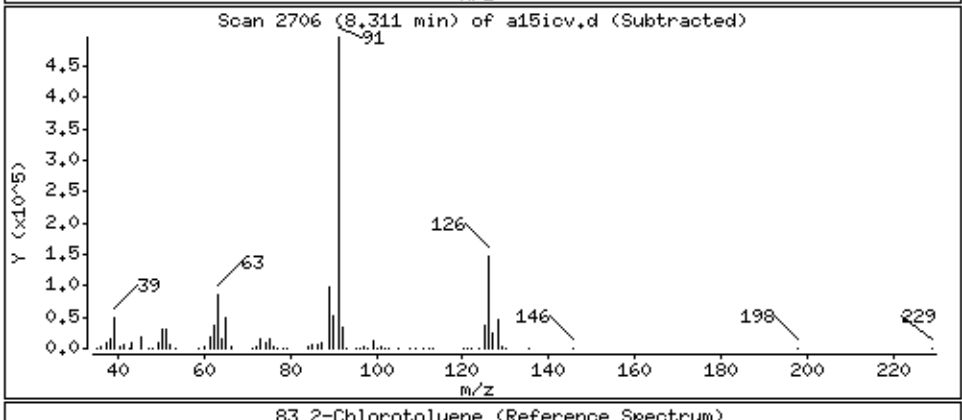
Column diameter: 0.18

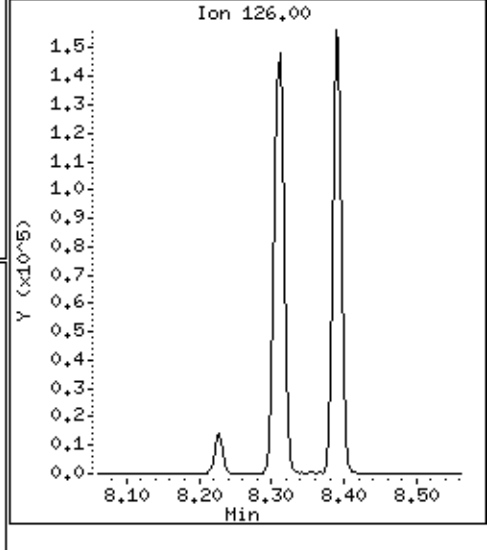
83 2-Chlorotoluene

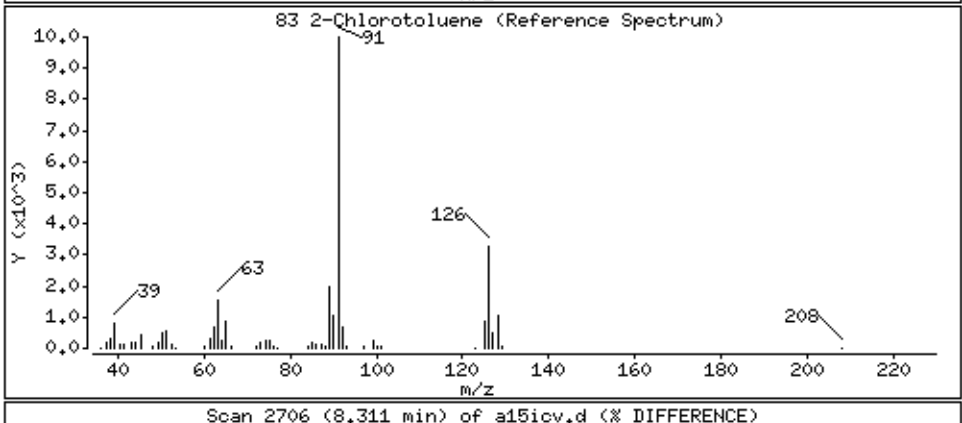
Concentration: 49.8 ppb

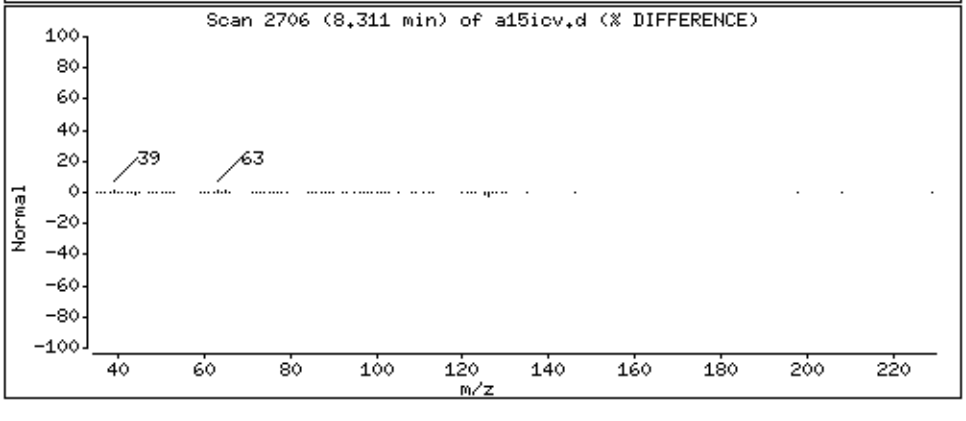












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

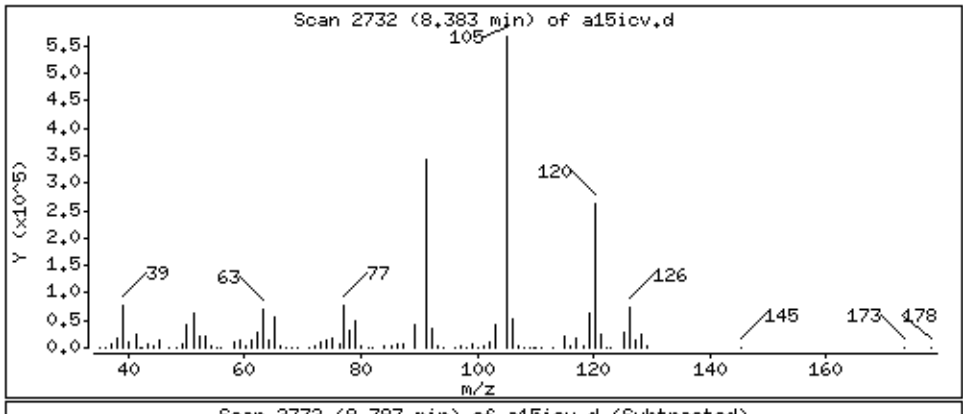
Operator: dae

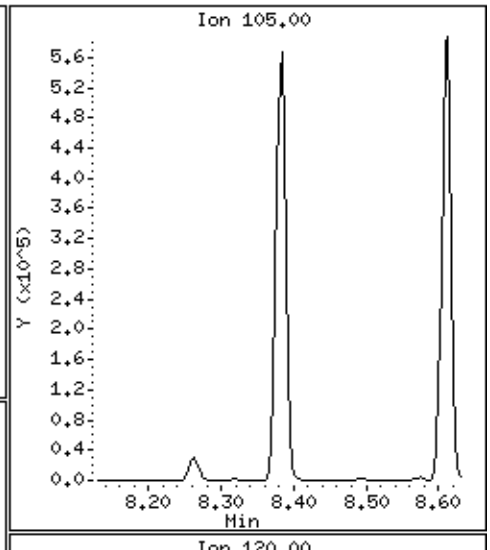
Column phase: DB-624

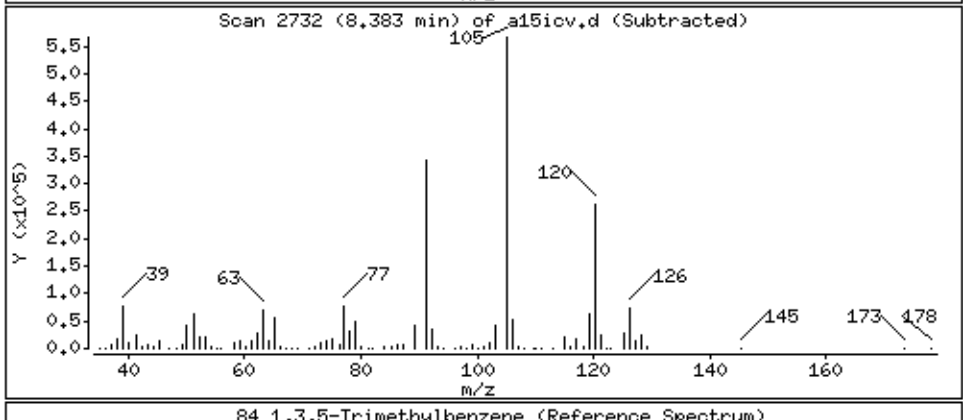
Column diameter: 0.18

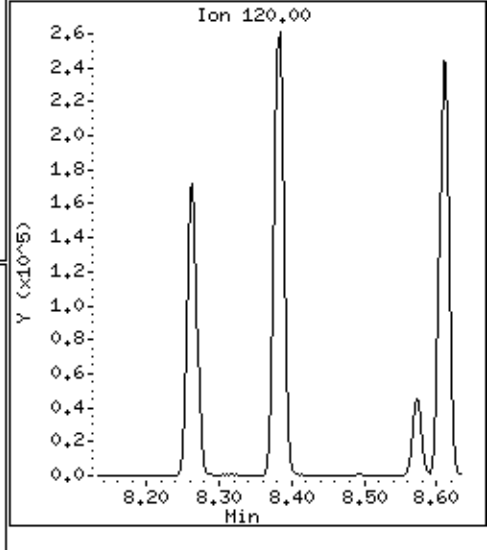
84 1,3,5-Trimethylbenzene

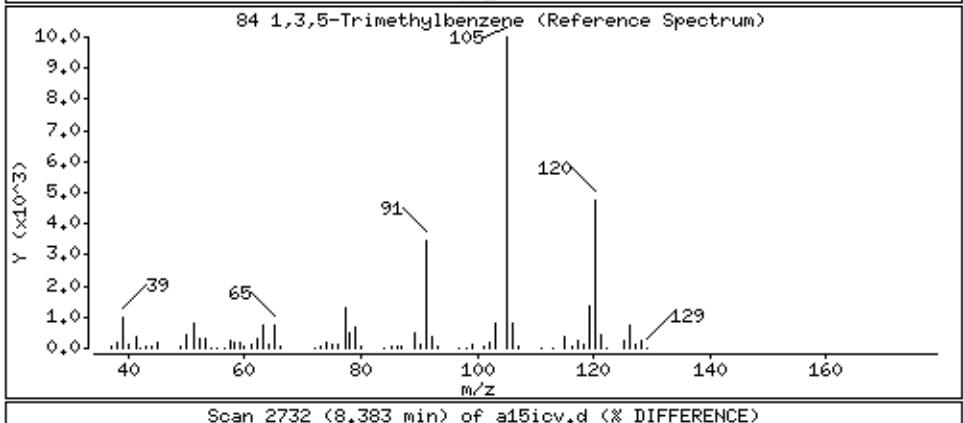
Concentration: 51.7 ppb

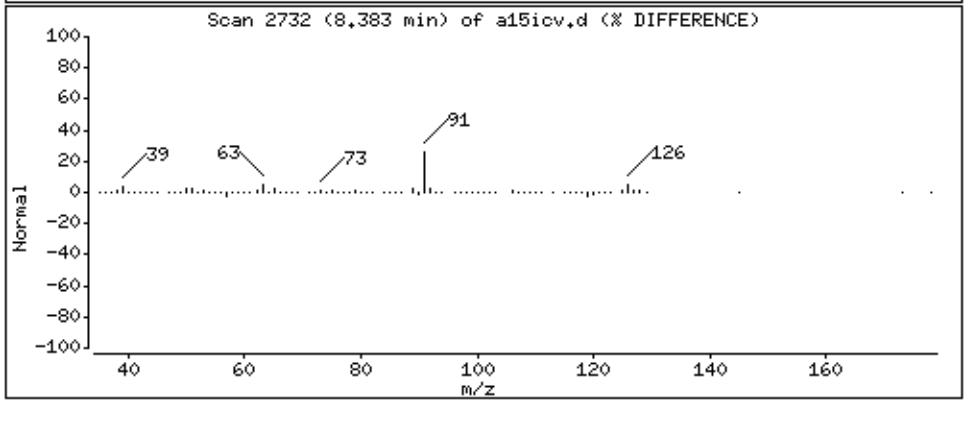












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

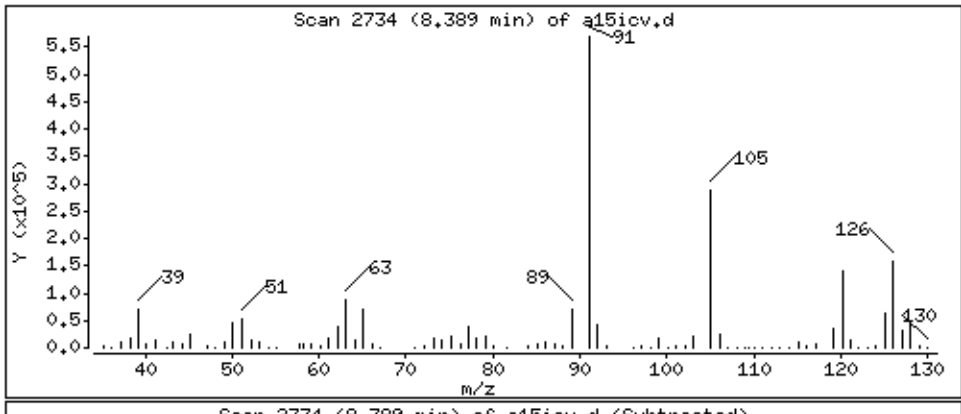
Operator: dae

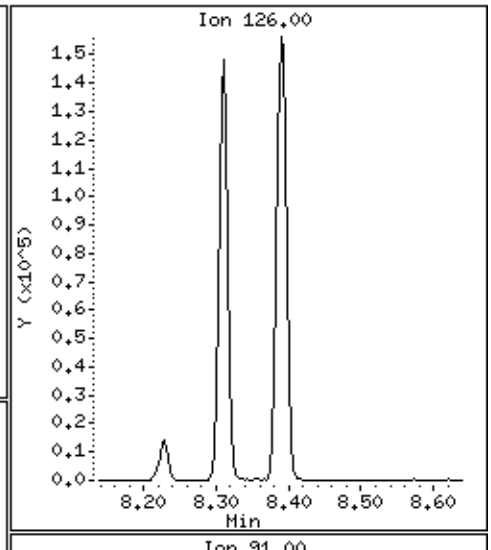
Column phase: DB-624

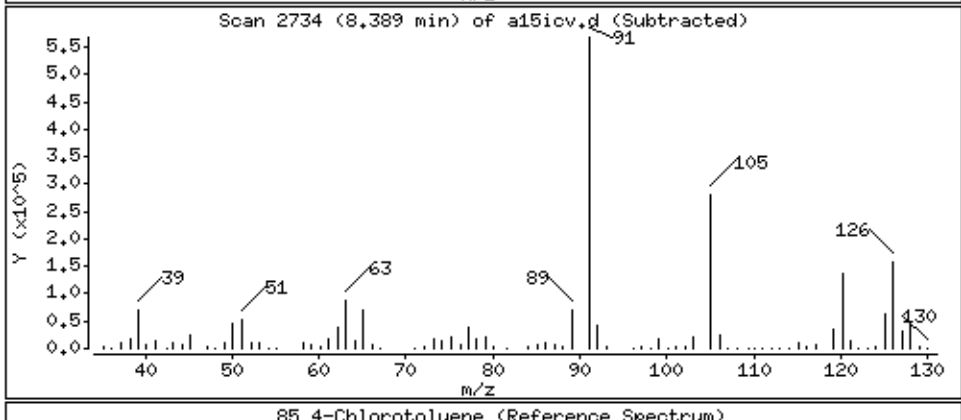
Column diameter: 0.18

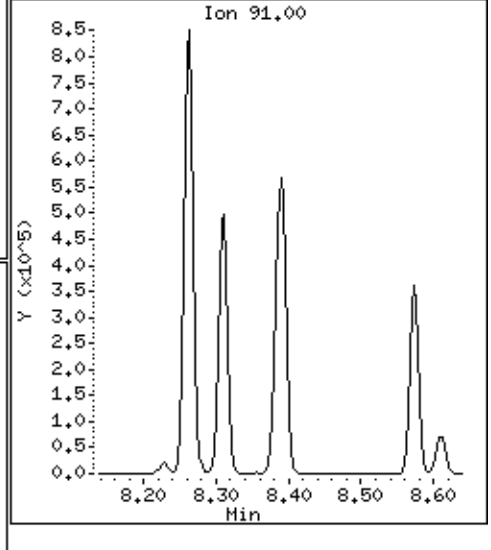
85 4-Chlorotoluene

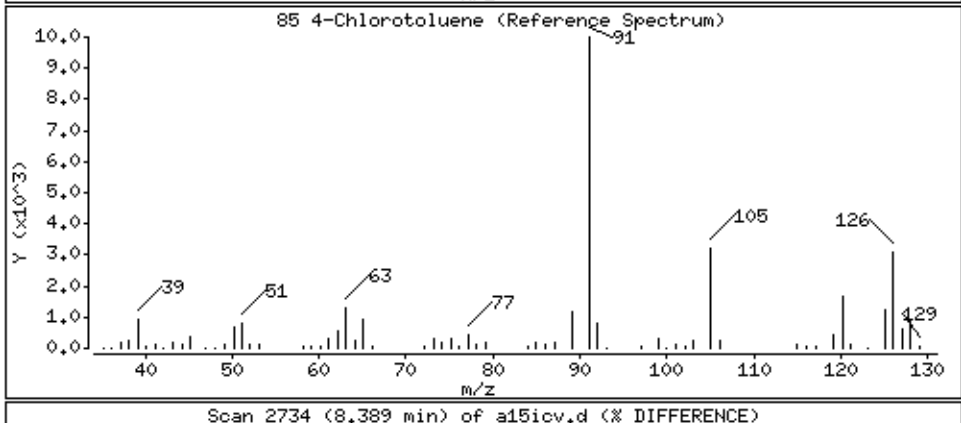
Concentration: 51.8 ppb

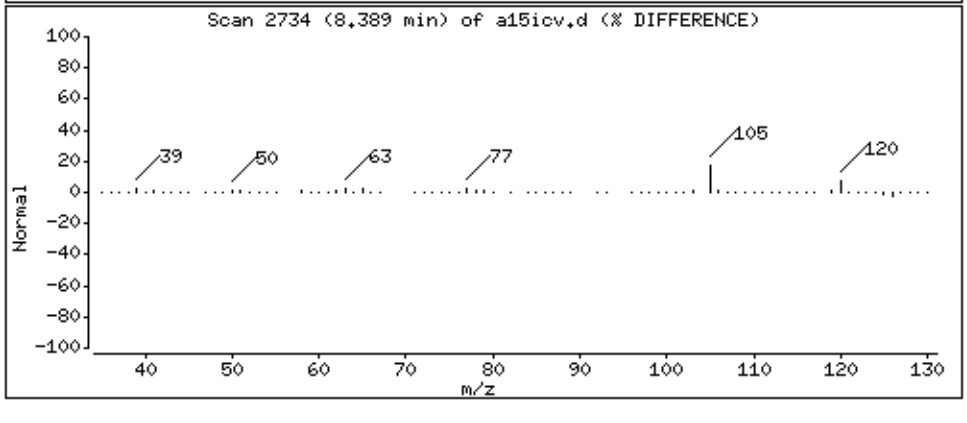












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

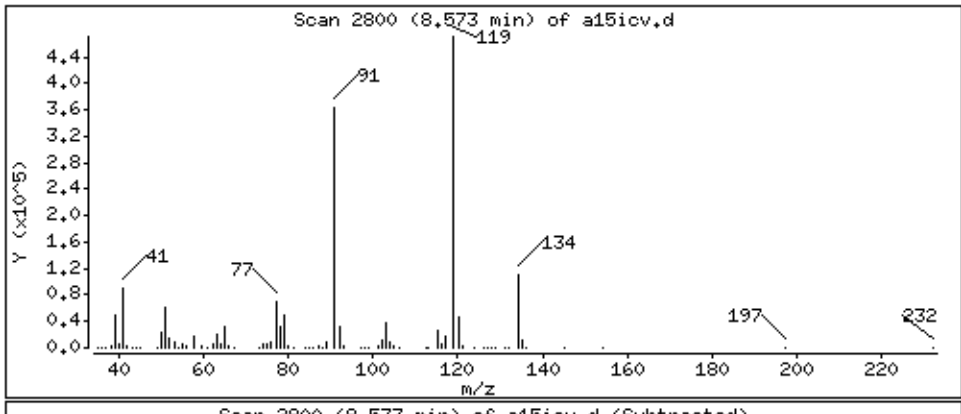
Operator: dae

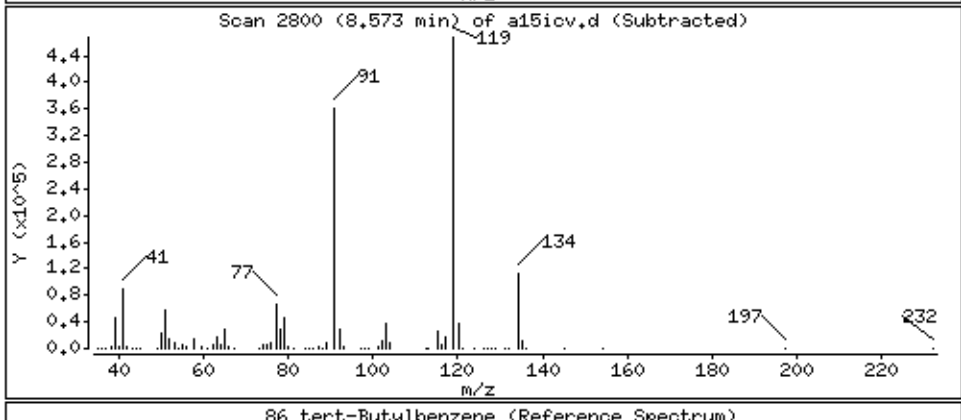
Column phase: DB-624

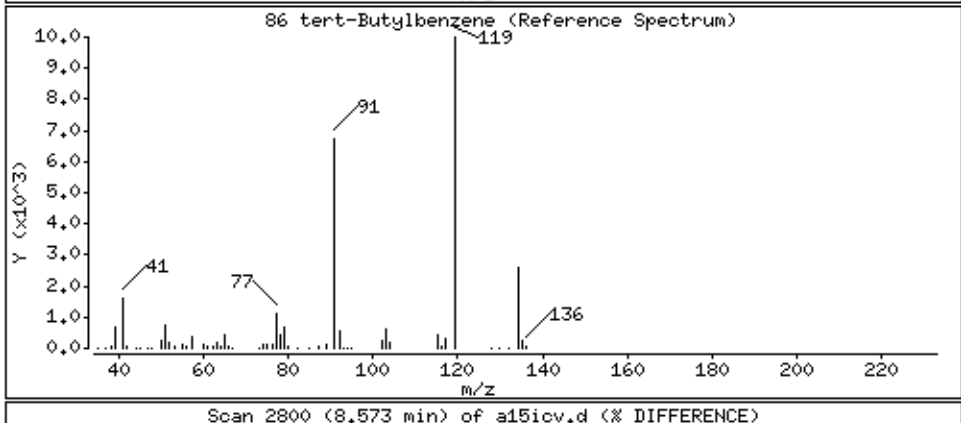
Column diameter: 0.18

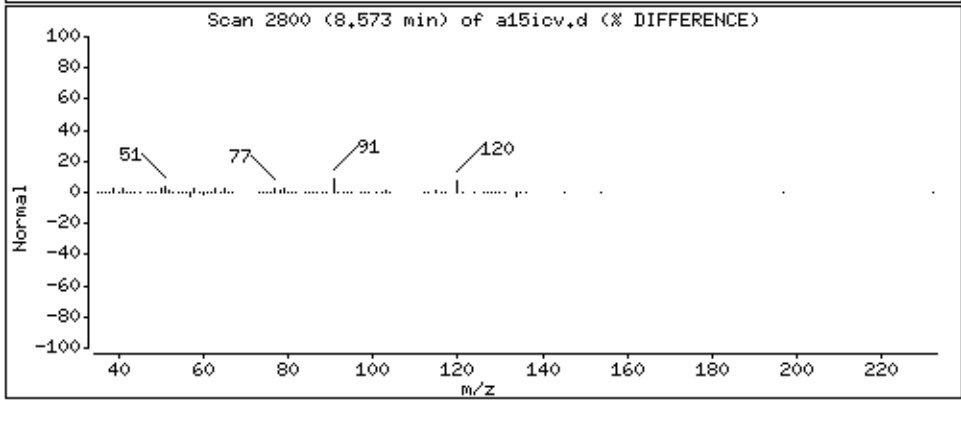
86 tert-Butylbenzene

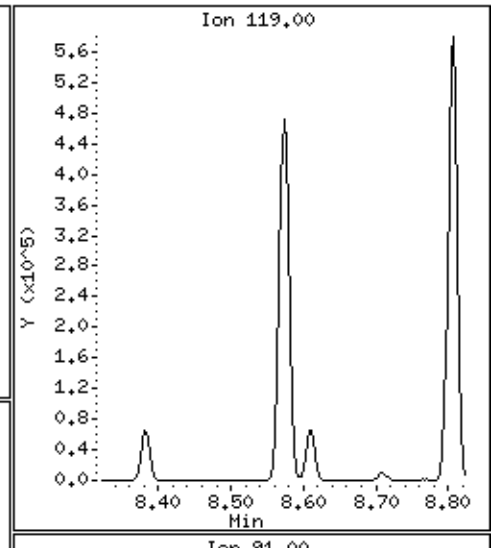
Concentration: 49.4 ppb

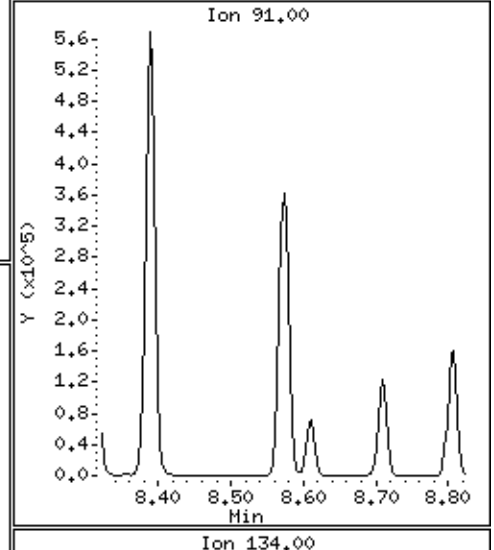


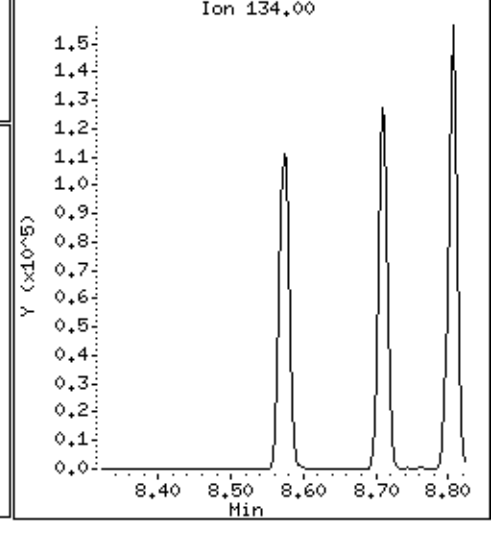












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

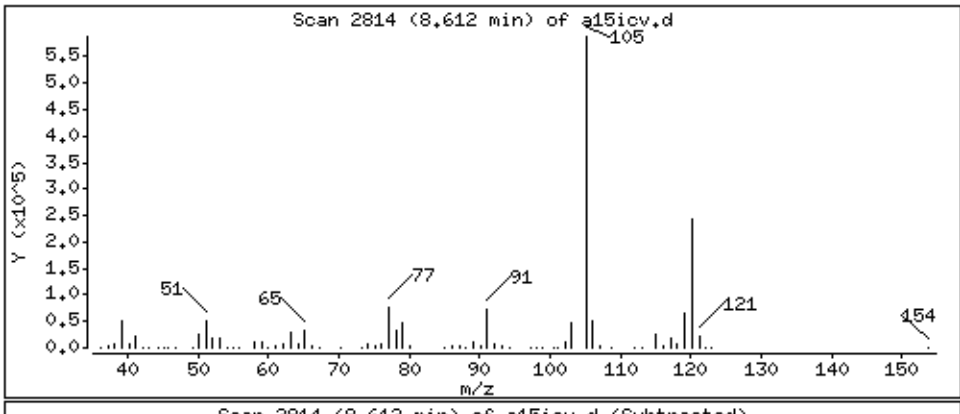
Operator: dae

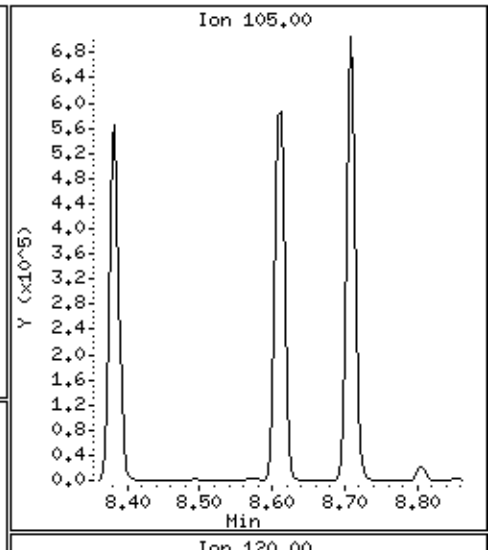
Column phase: DB-624

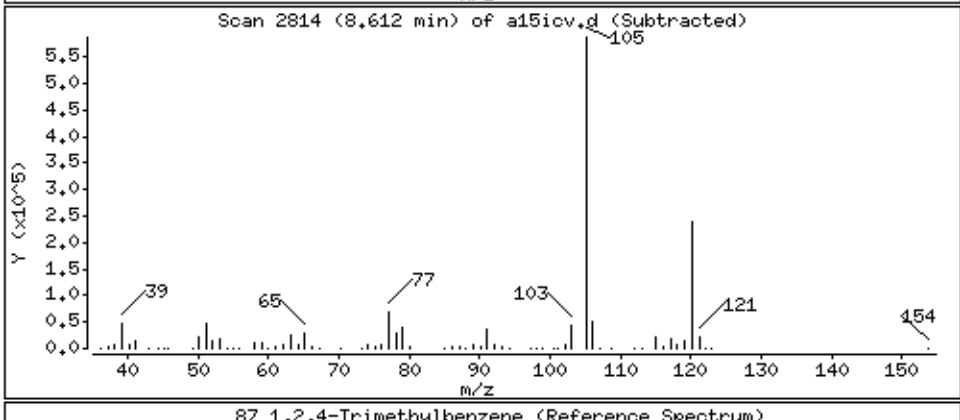
Column diameter: 0.18

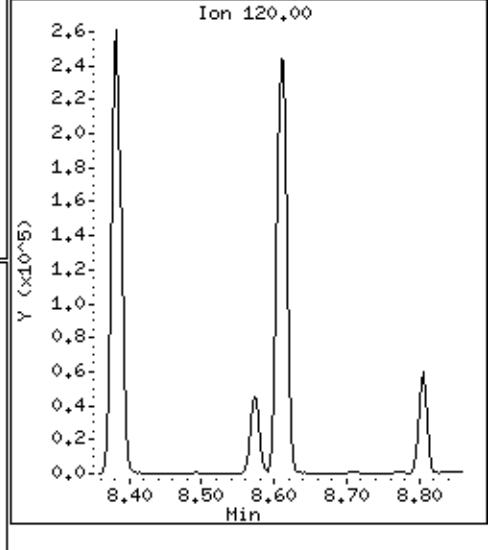
87 1,2,4-Trimethylbenzene

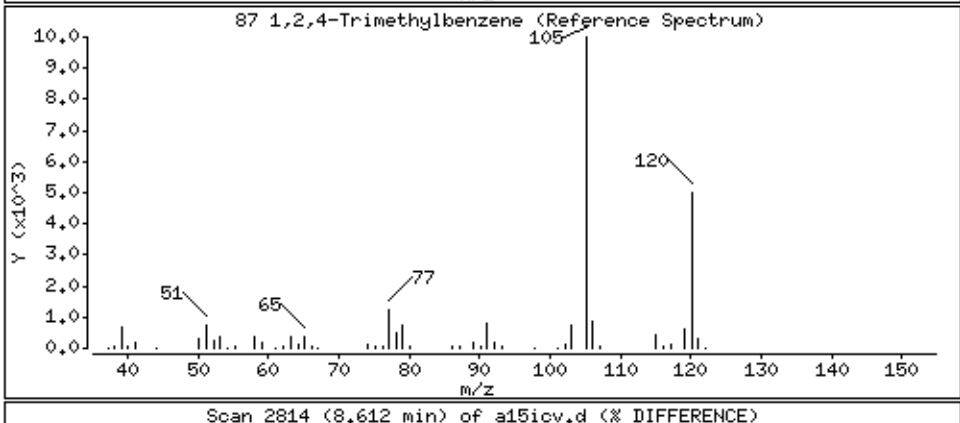
Concentration: 51.1 ppb

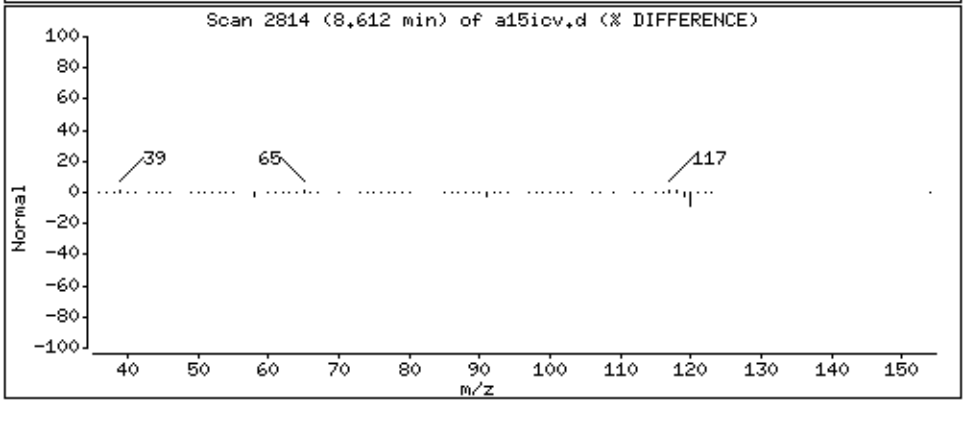












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

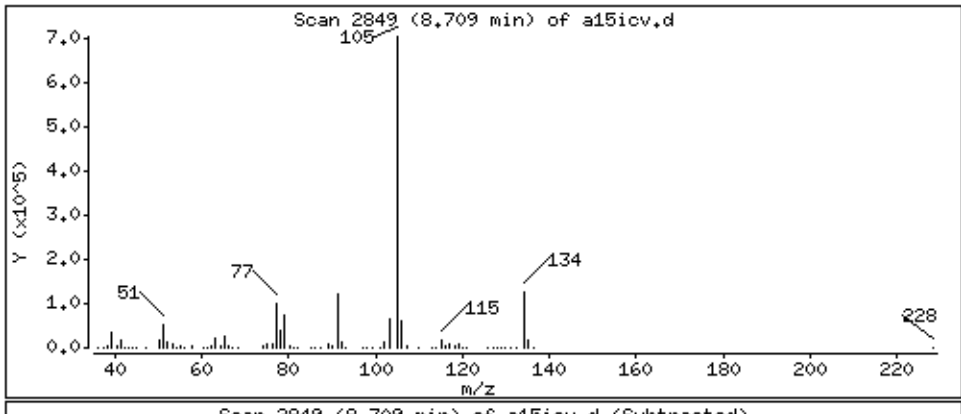
Operator: dae

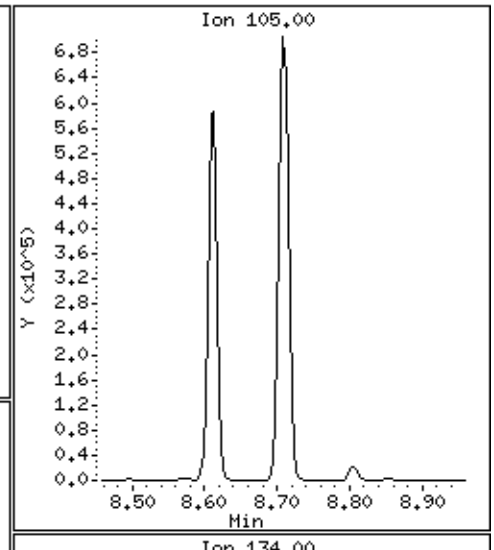
Column phase: DB-624

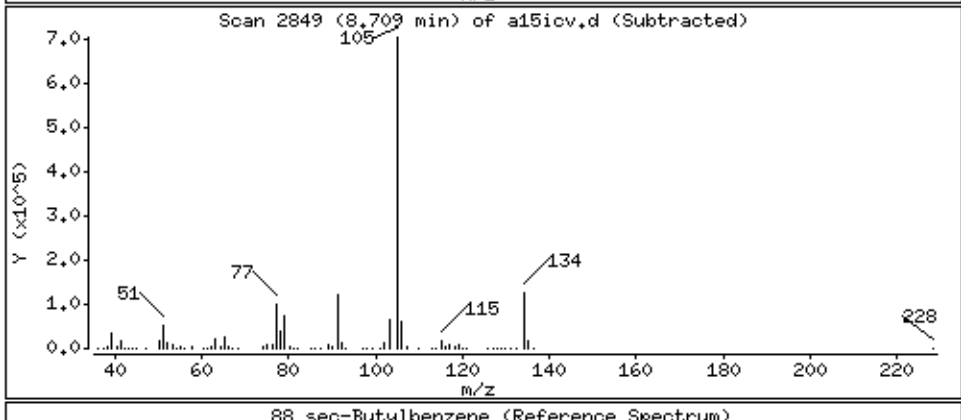
Column diameter: 0.18

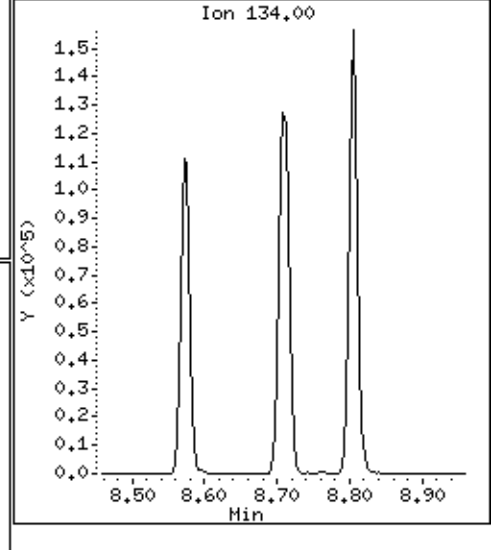
88 sec-Butylbenzene

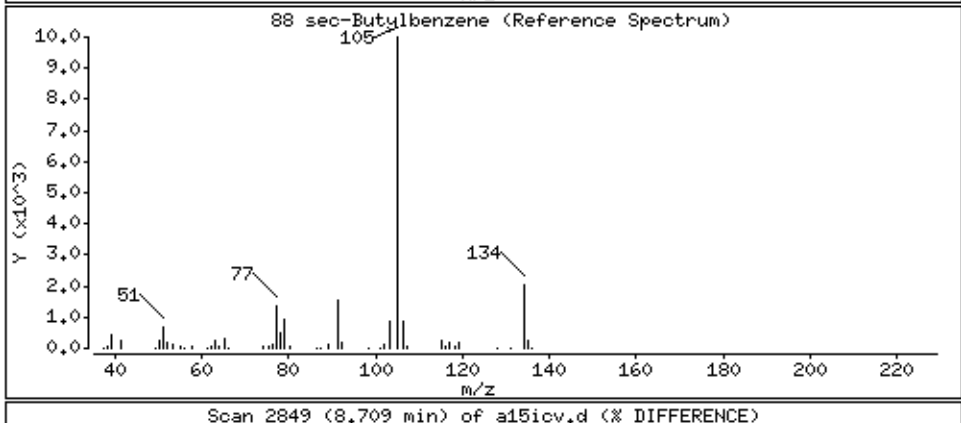
Concentration: 53.2 ppb

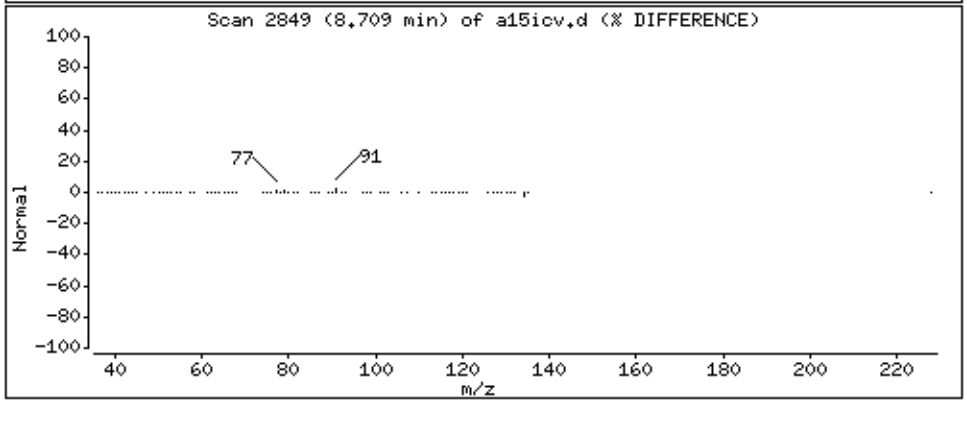












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

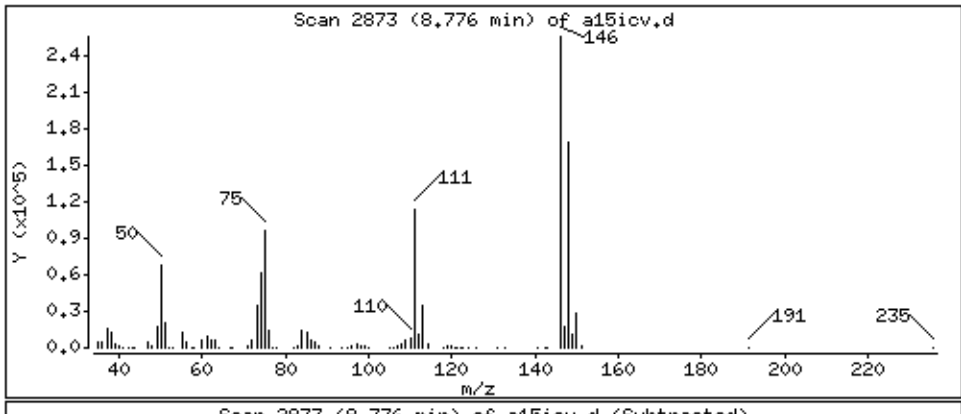
Operator: dae

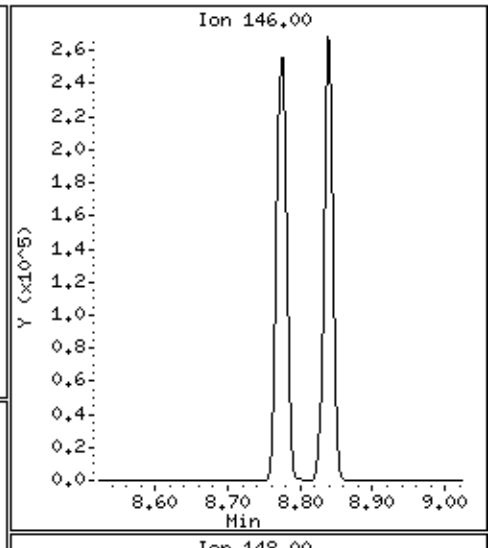
Column phase: DB-624

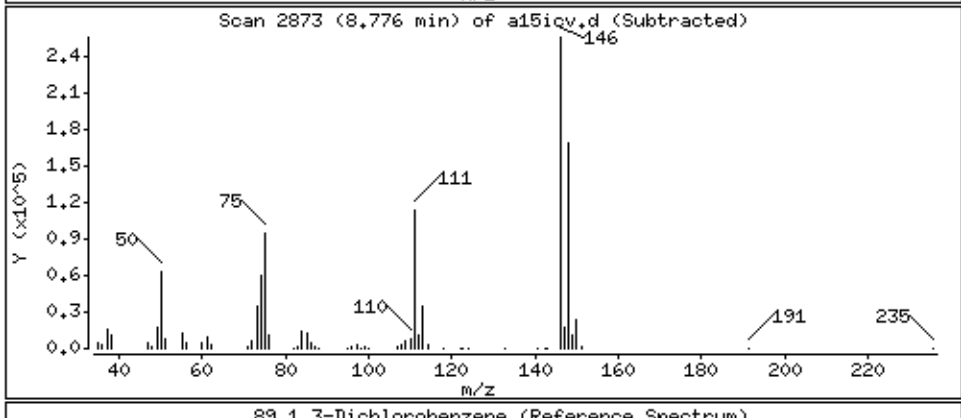
Column diameter: 0.18

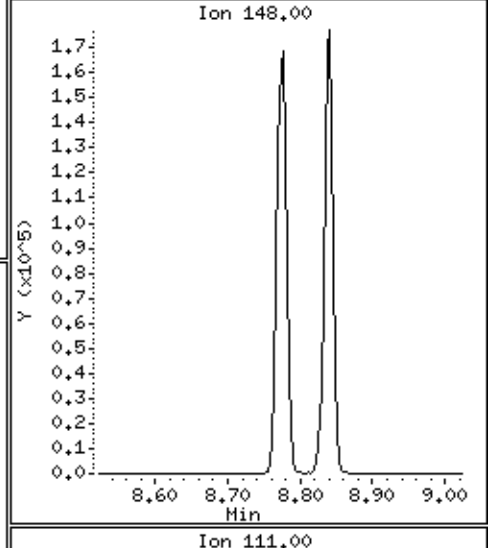
89 1,3-Dichlorobenzene

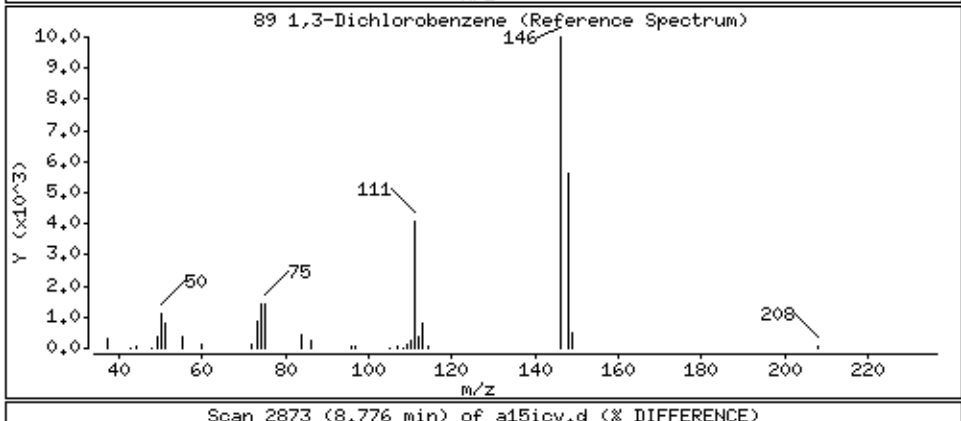
Concentration: 49.0 ppb

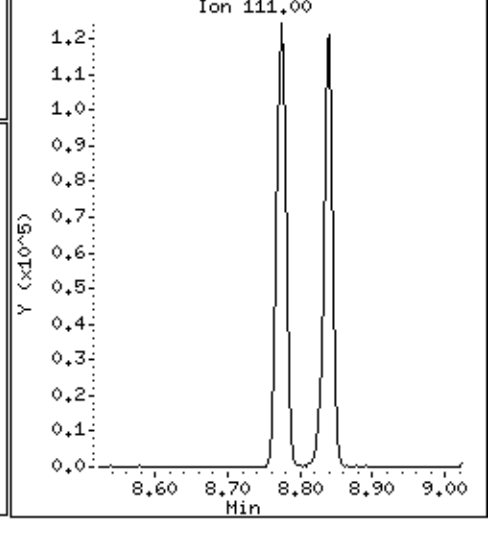


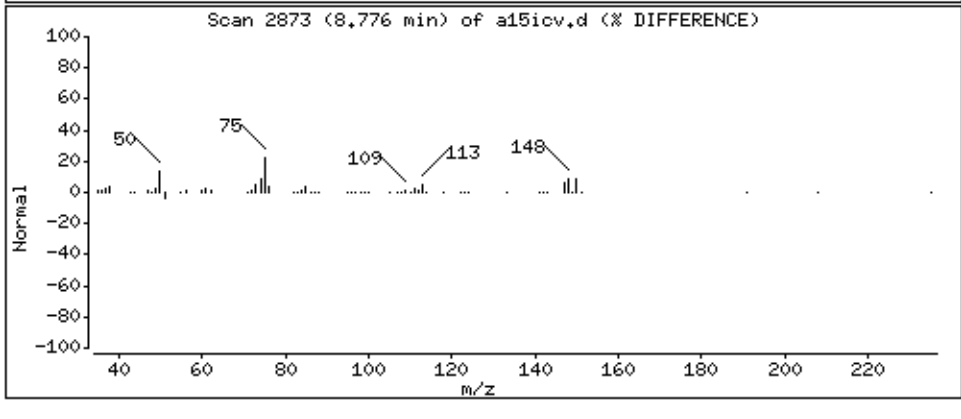












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

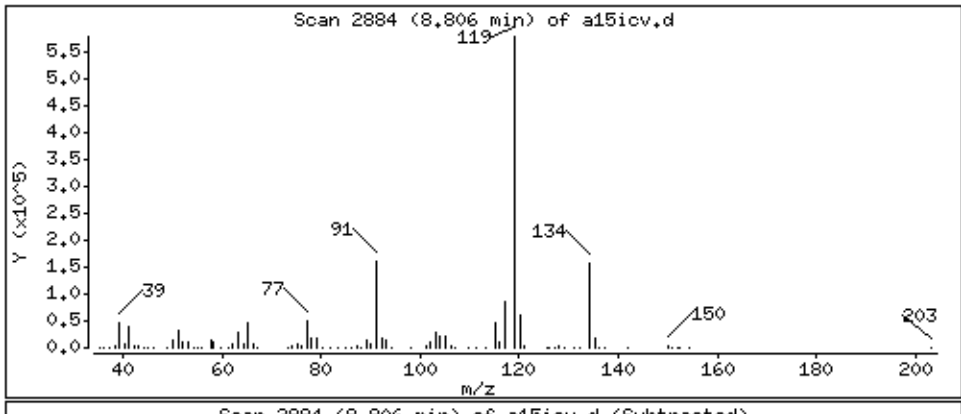
Operator: dae

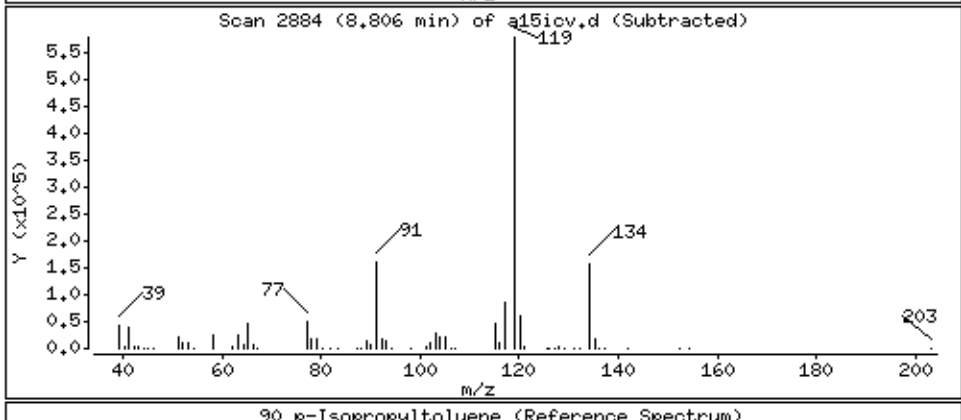
Column phase: DB-624

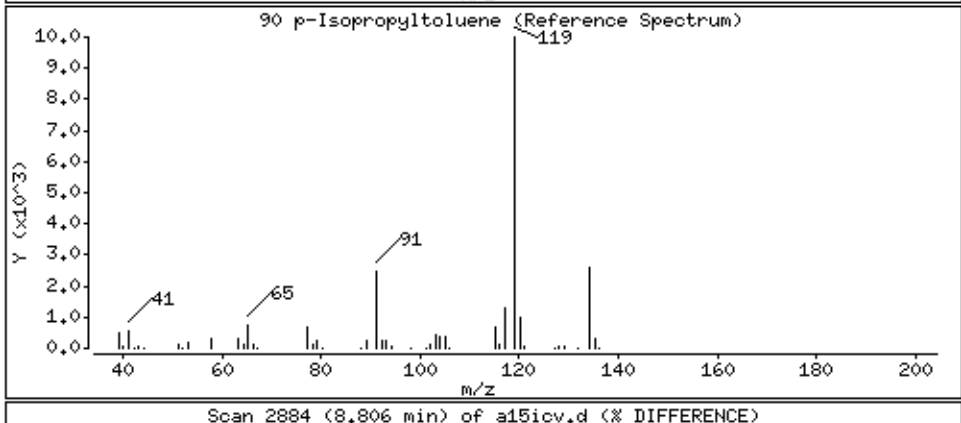
Column diameter: 0.18

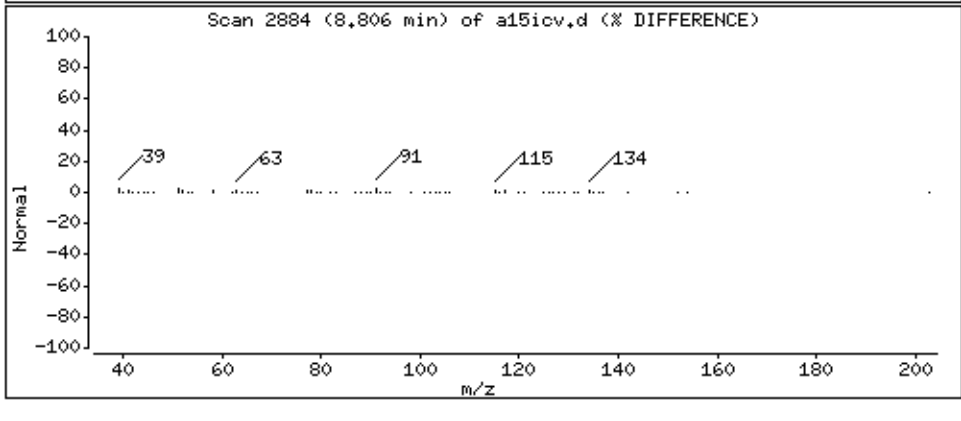
90 p-Isopropyltoluene

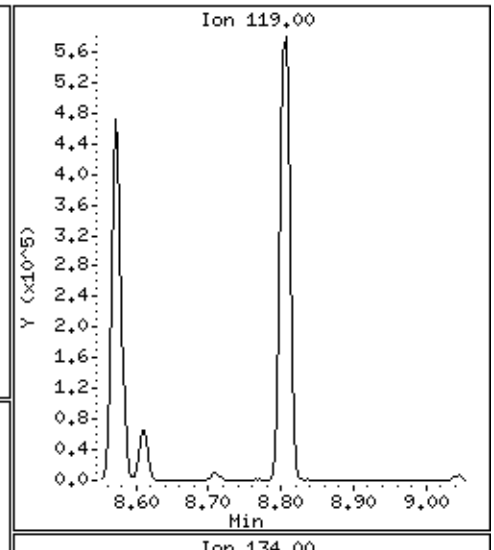
Concentration: 53.0 ppb

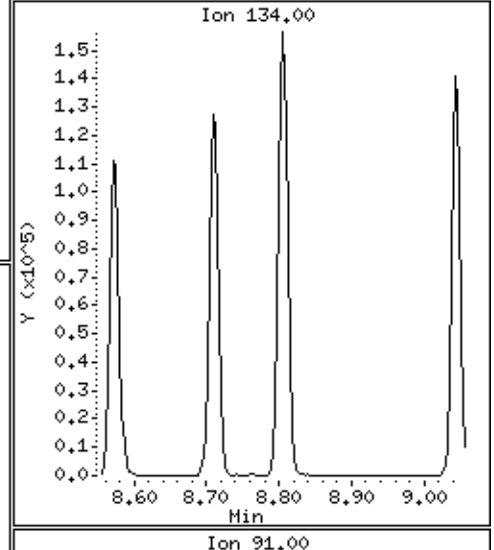


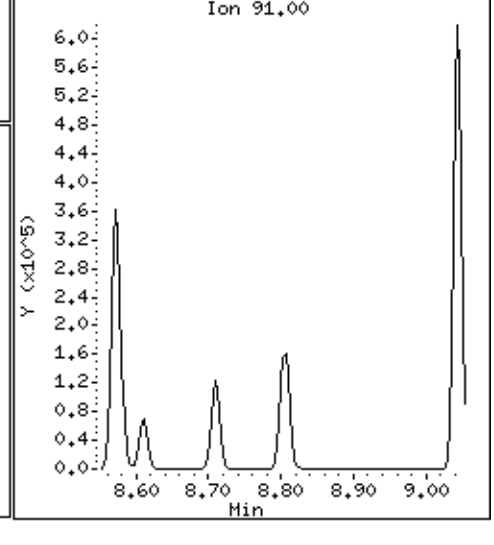












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

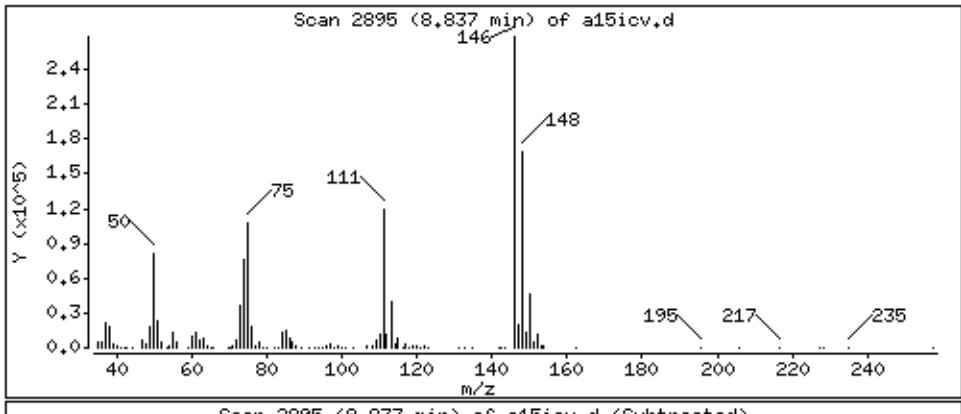
Operator: dae

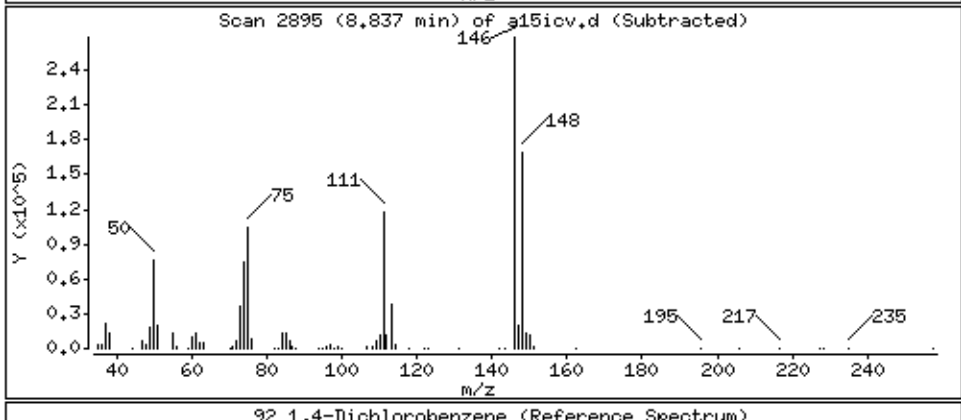
Column phase: DB-624

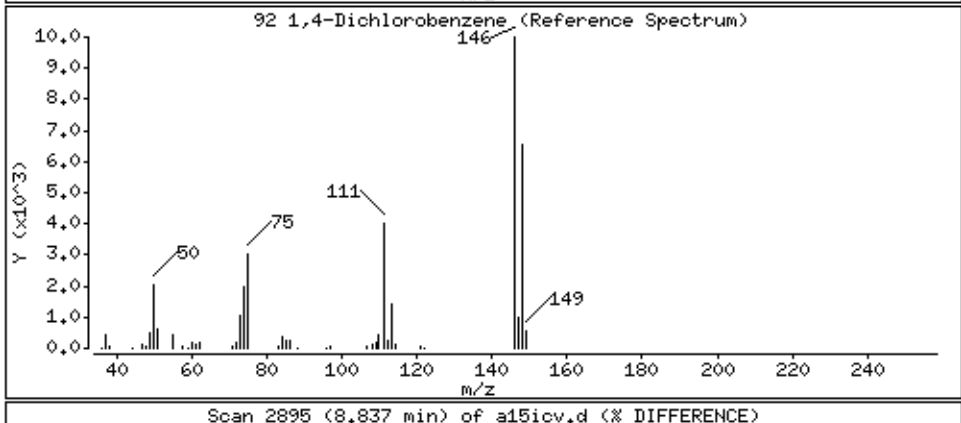
Column diameter: 0.18

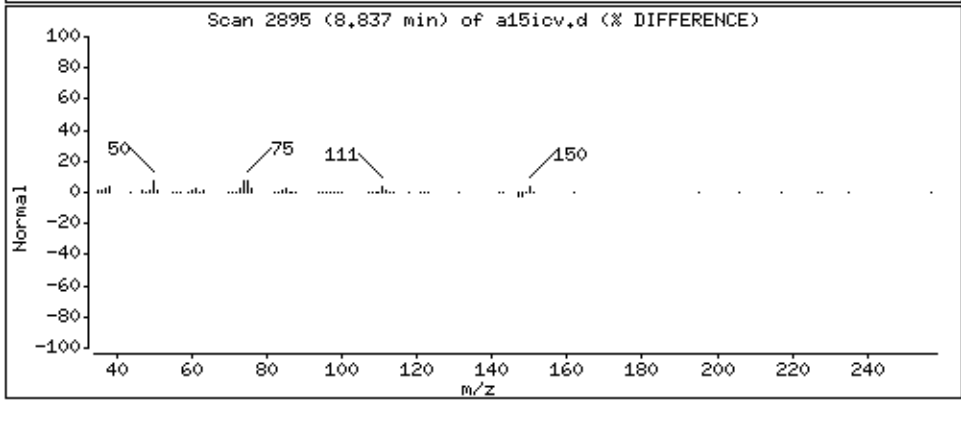
92 1,4-Dichlorobenzene

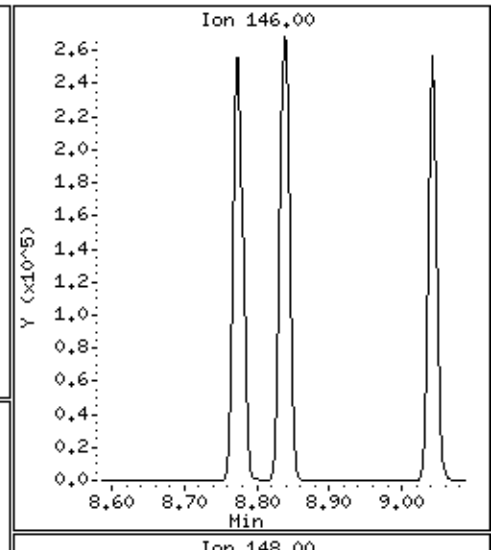
Concentration: 48.1 ppb

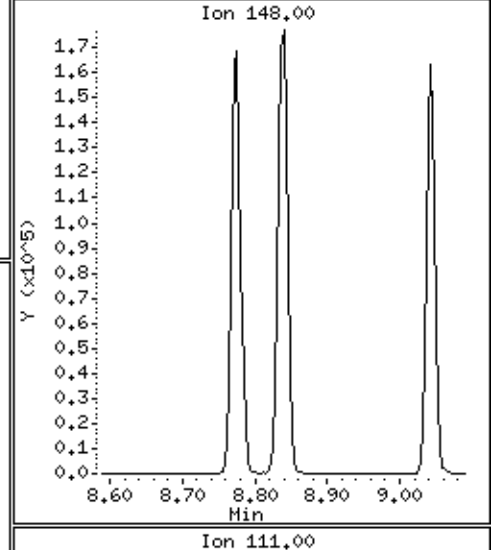


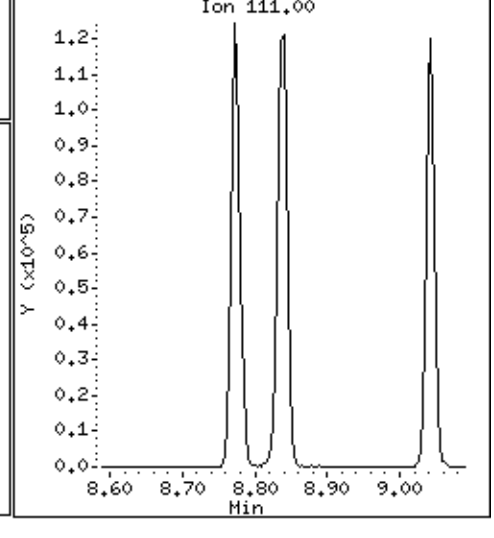












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

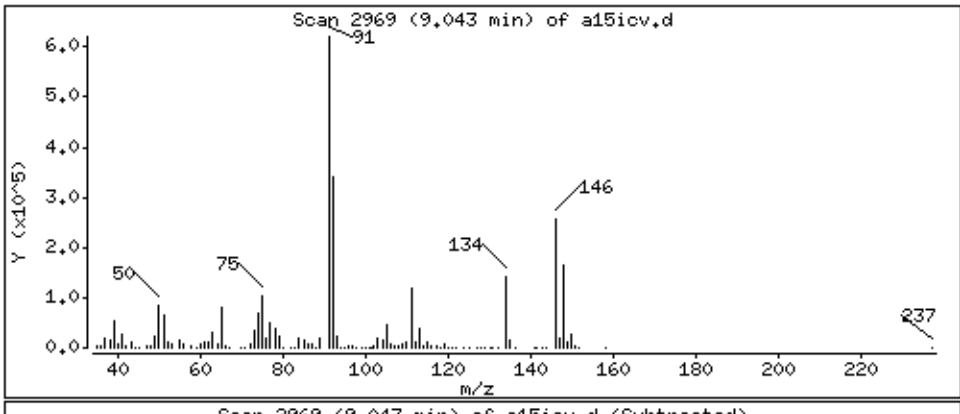
Operator: dae

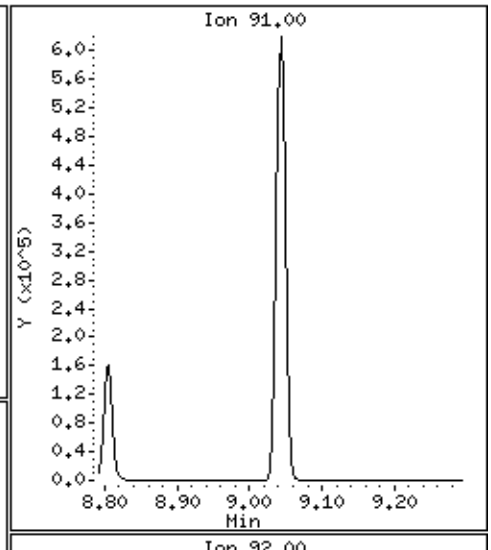
Column phase: DB-624

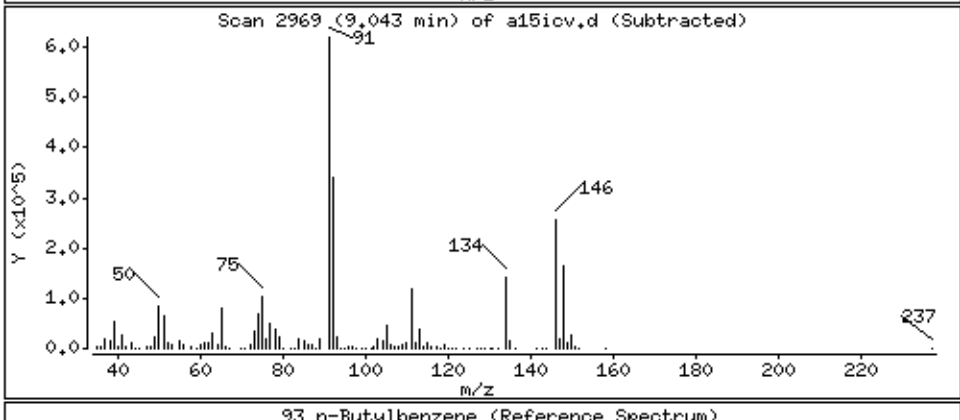
Column diameter: 0.18

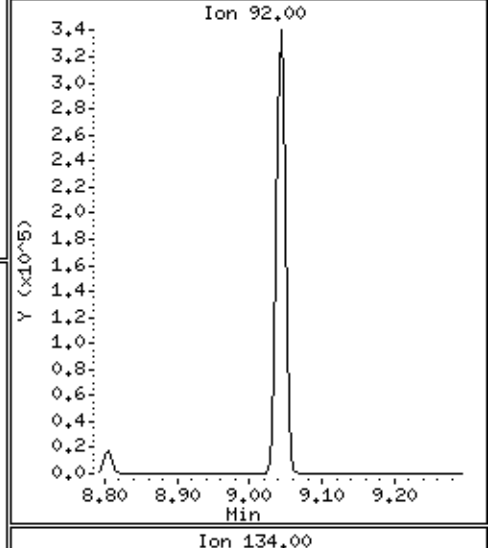
93 n-Butylbenzene

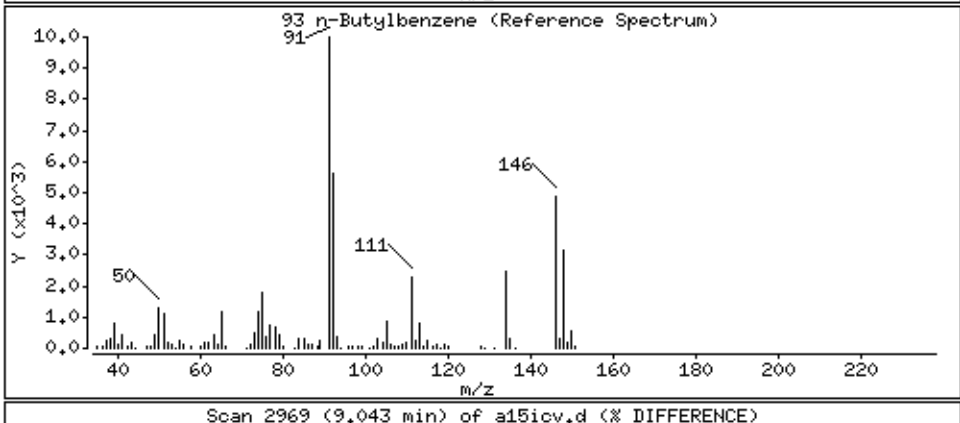
Concentration: 53.1 ppb

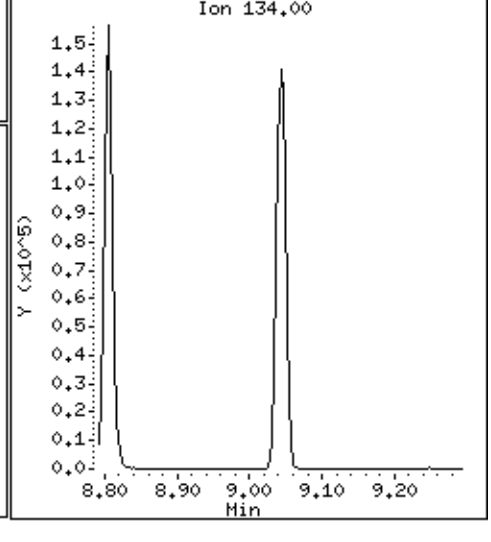


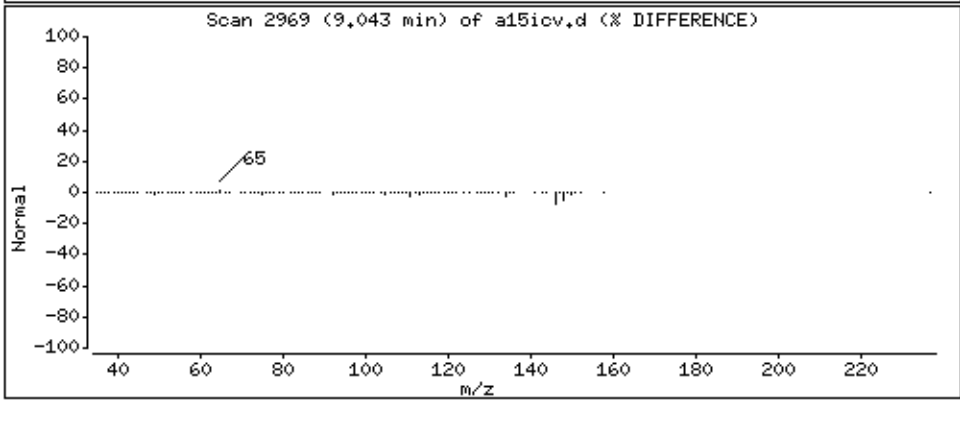












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

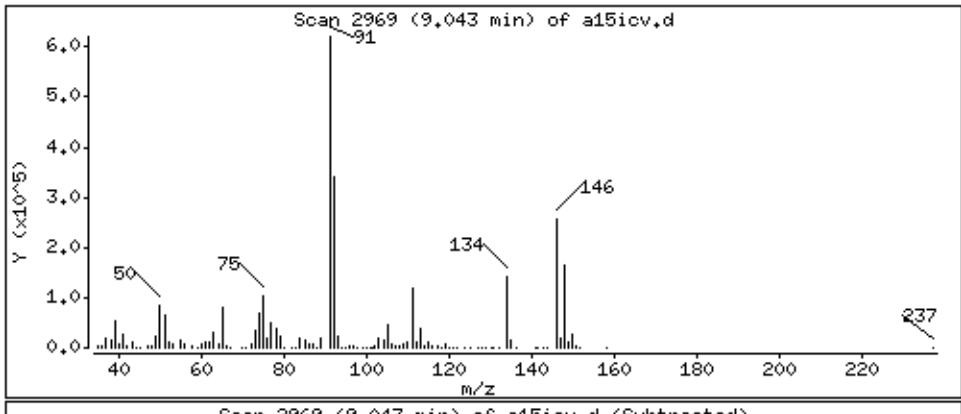
Operator: dae

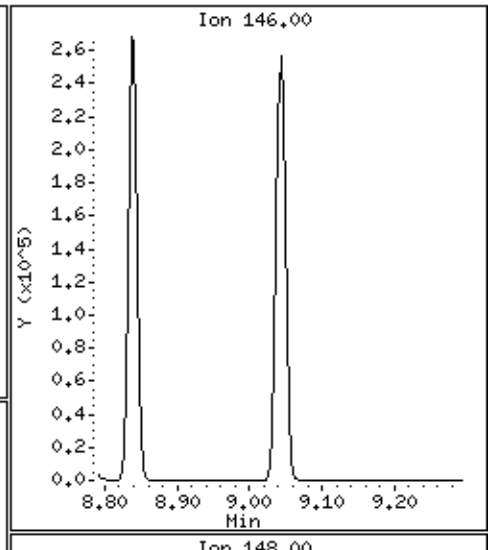
Column phase: DB-624

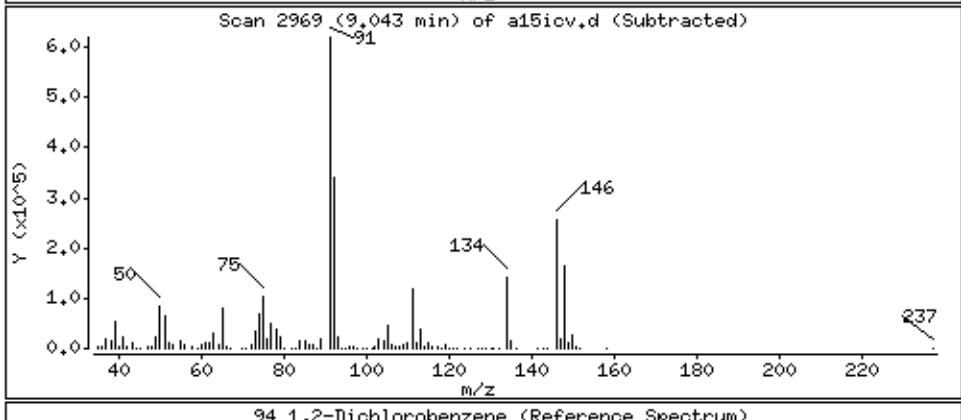
Column diameter: 0.18

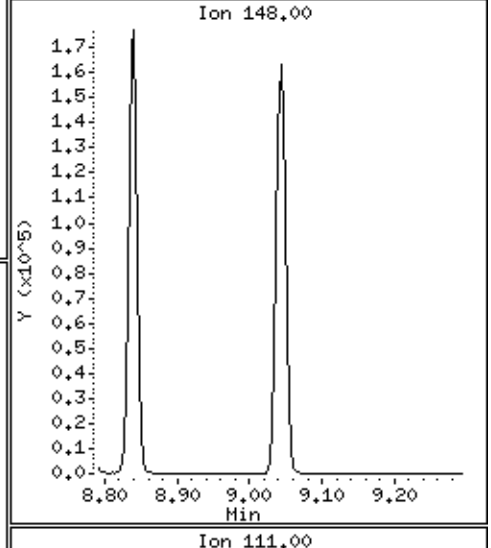
94 1,2-Dichlorobenzene

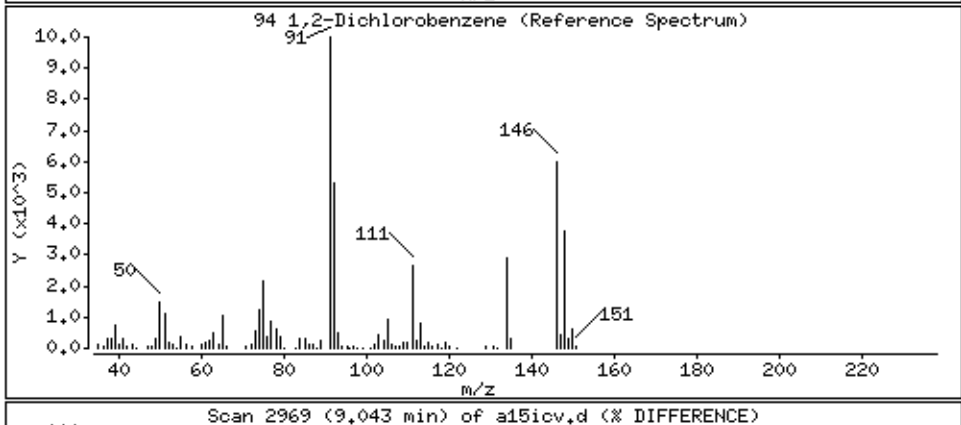
Concentration: 51.6 ppb

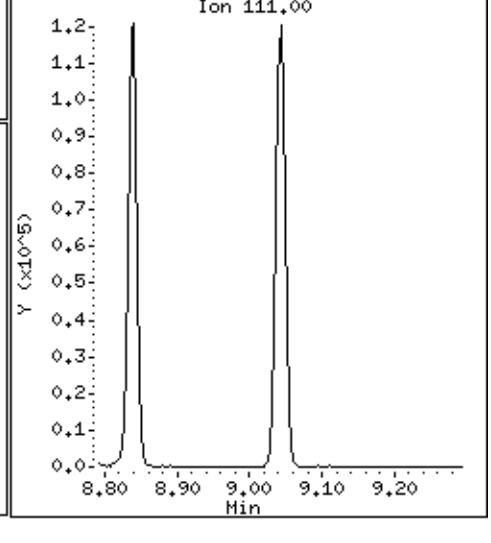


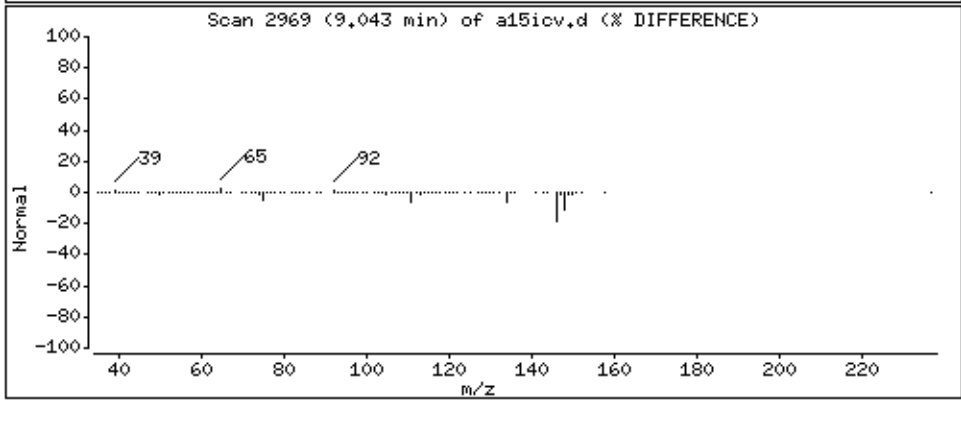












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

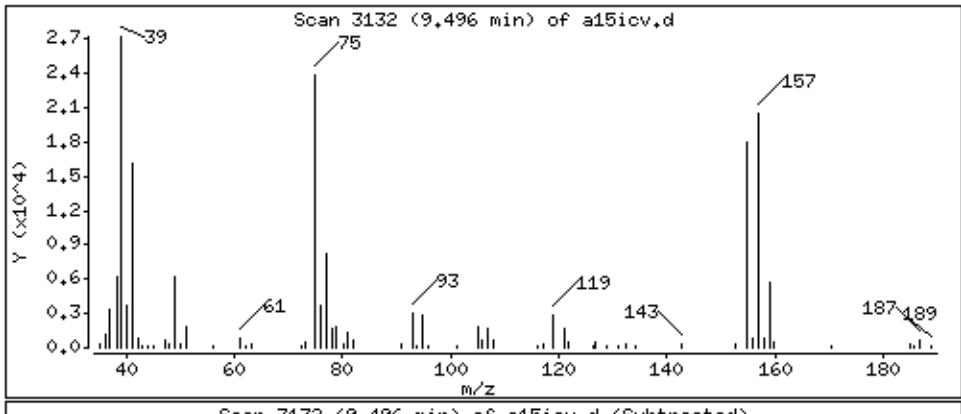
Operator: dae

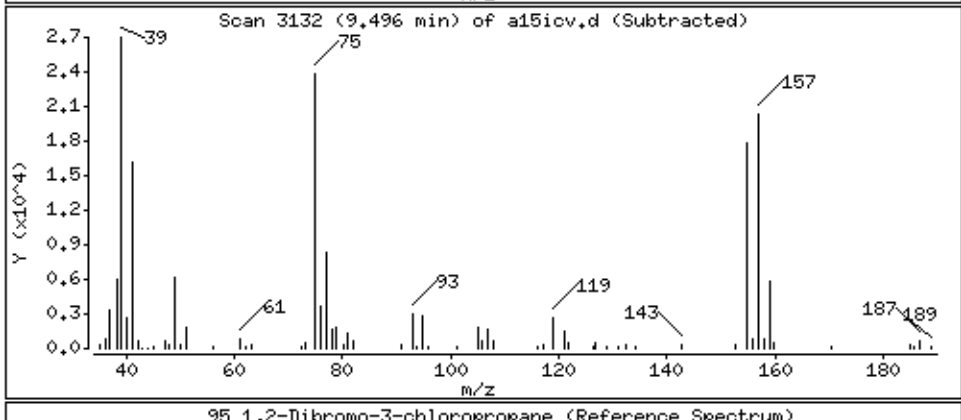
Column phase: DB-624

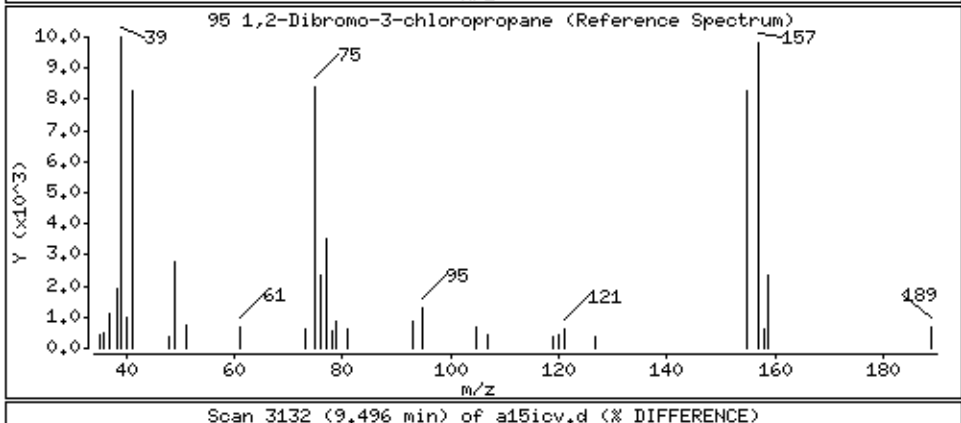
Column diameter: 0.18

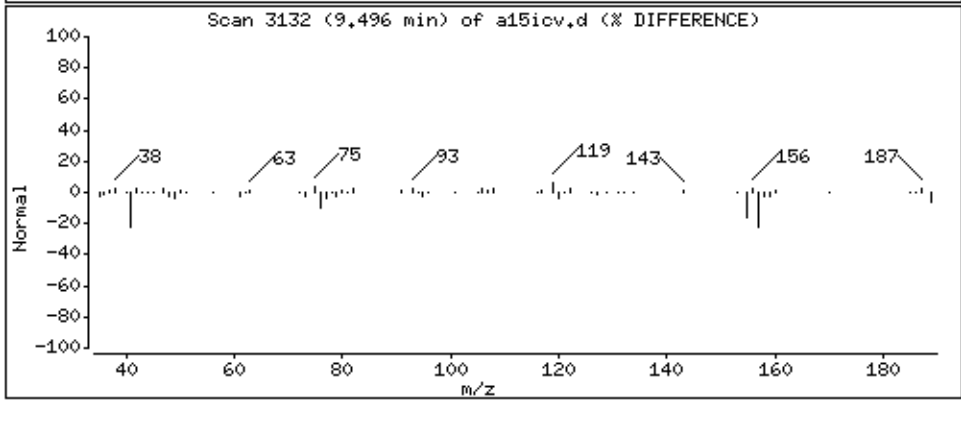
95 1,2-Dibromo-3-chloropropane

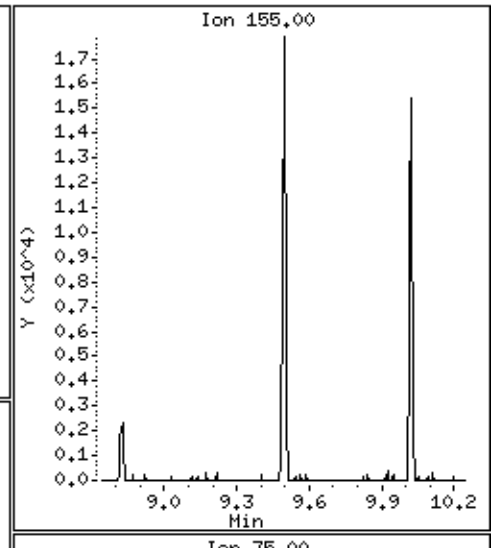
Concentration: 45.0 ppb

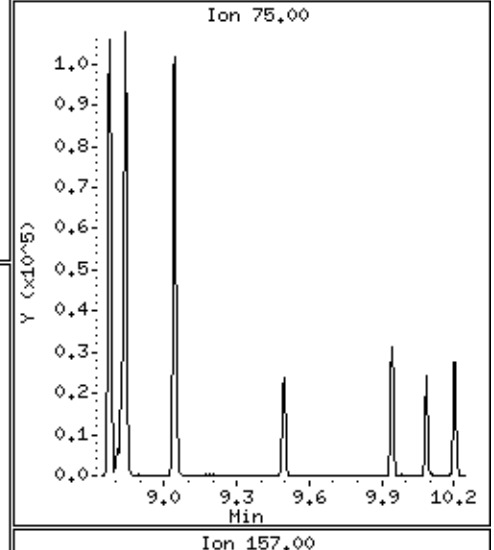


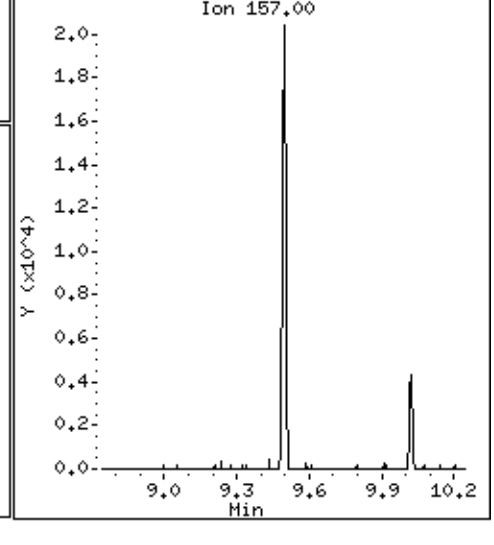












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

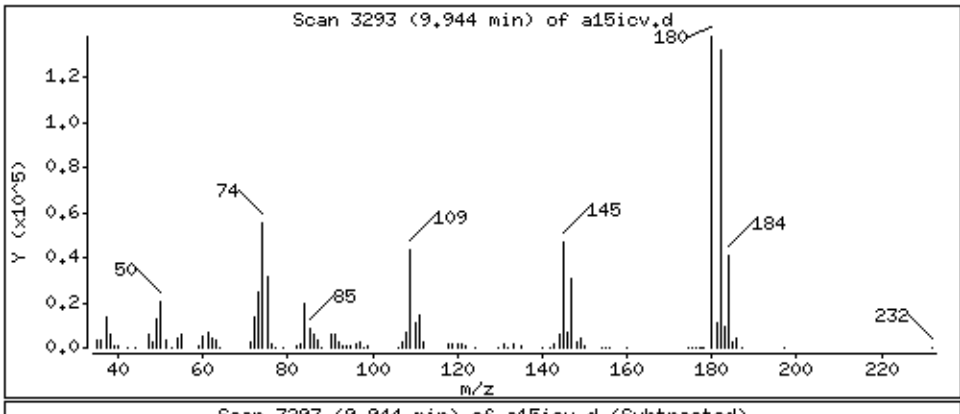
Operator: dae

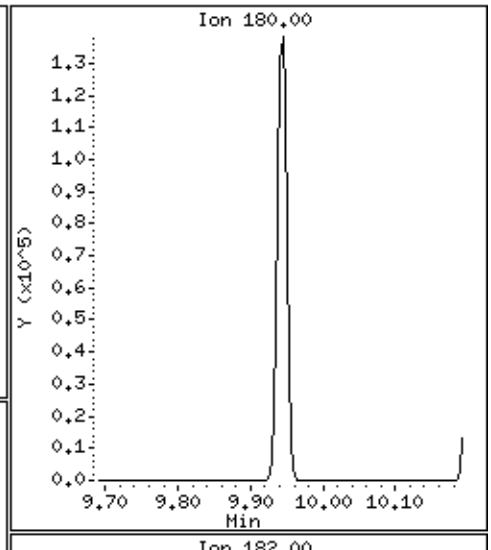
Column phase: DB-624

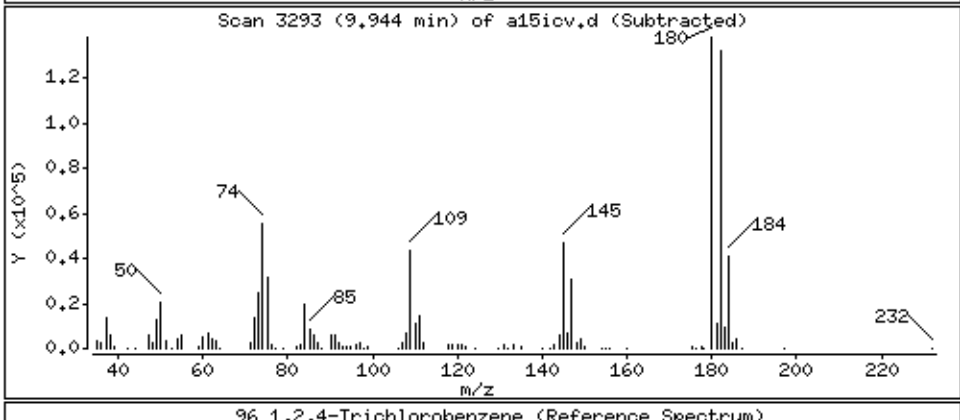
Column diameter: 0.18

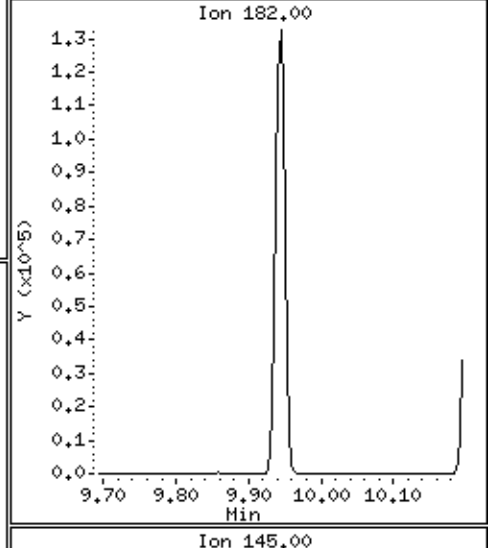
96 1,2,4-Trichlorobenzene

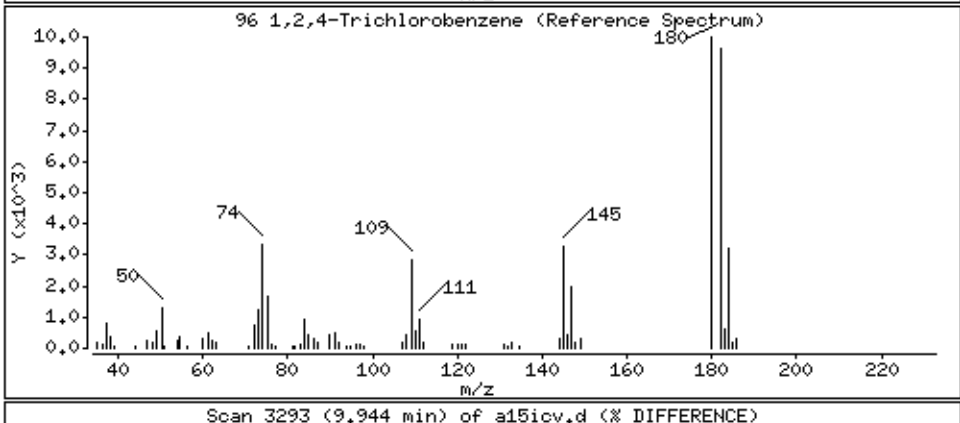
Concentration: 54.1 ppb

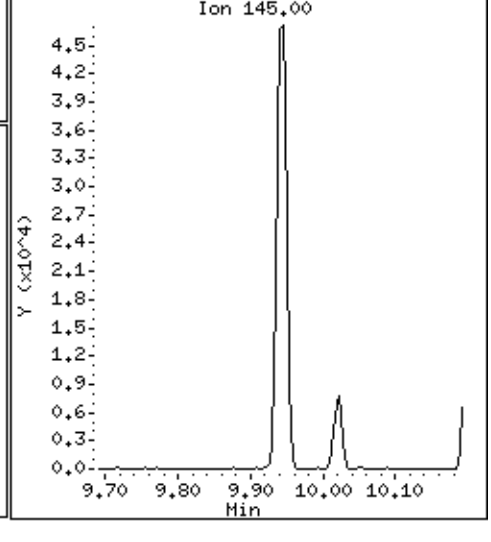


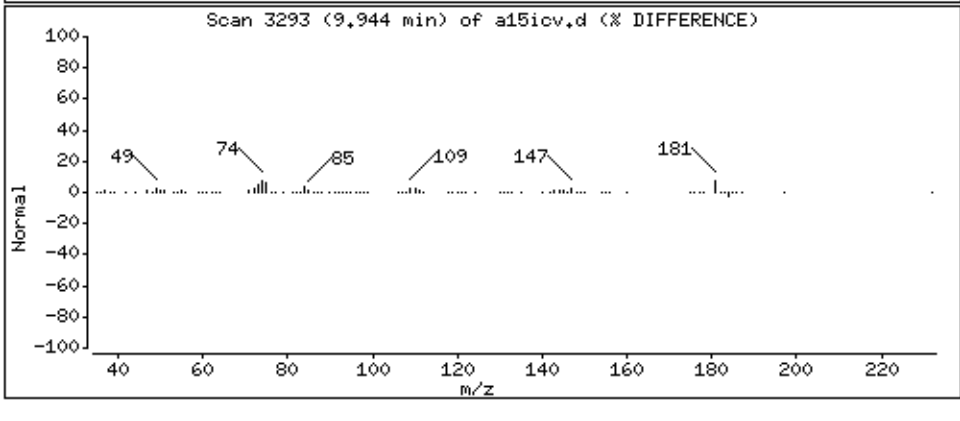












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

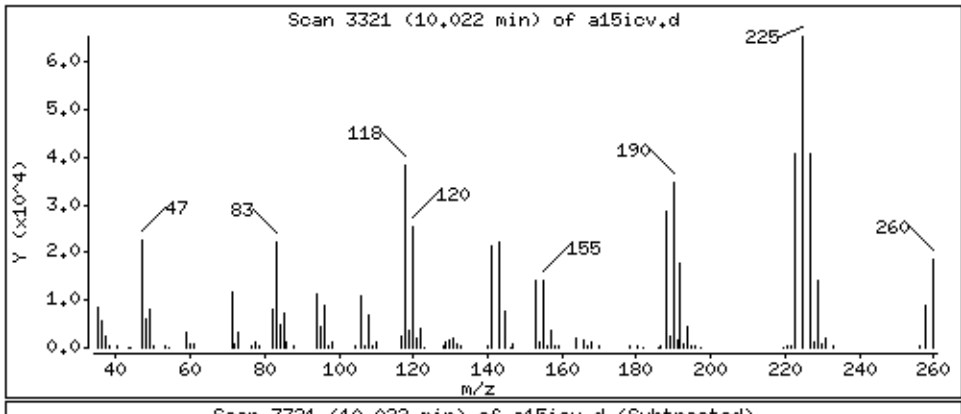
Operator: dae

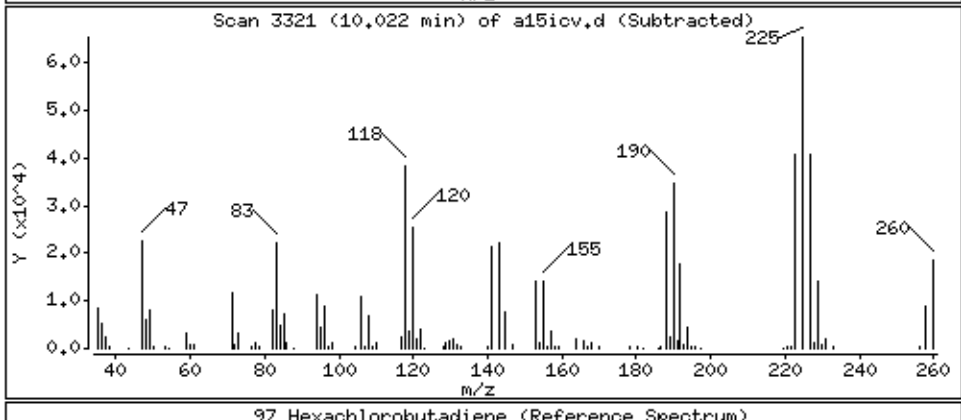
Column phase: DB-624

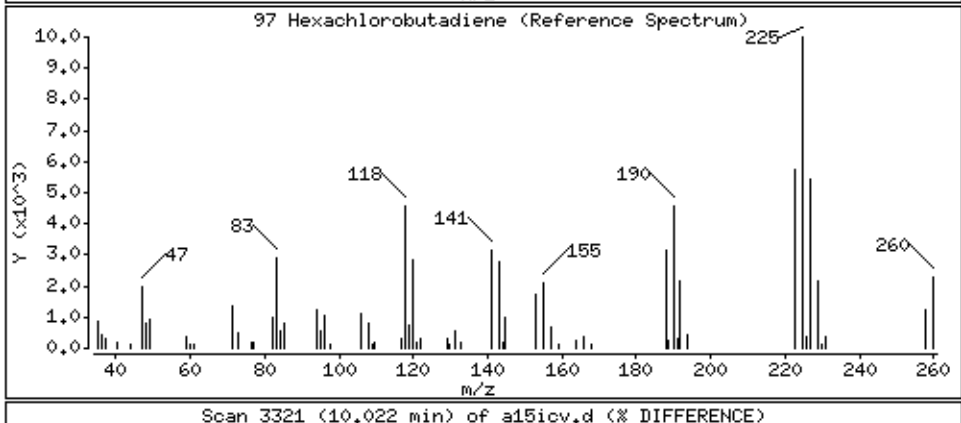
Column diameter: 0.18

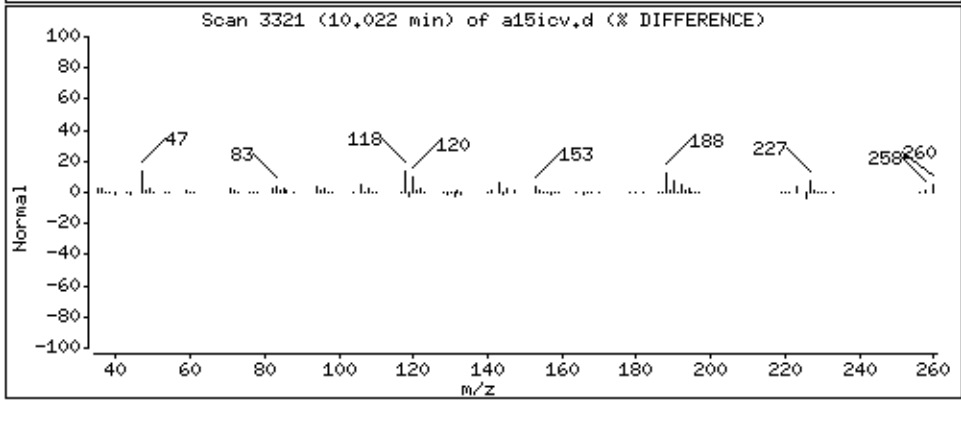
97 Hexachlorobutadiene

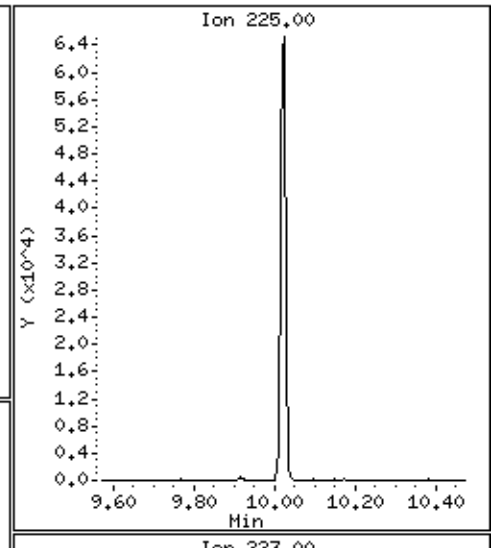
Concentration: 48.7 ppb

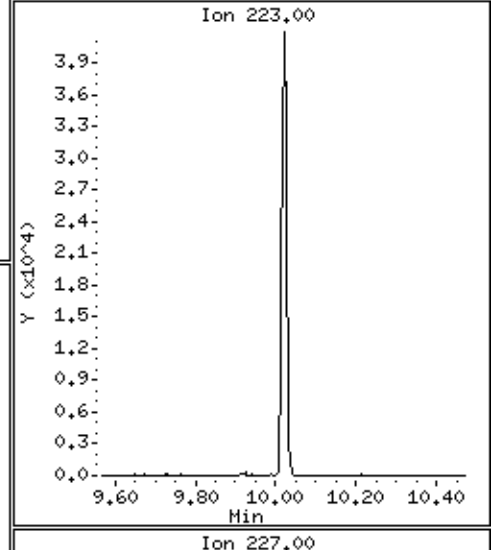


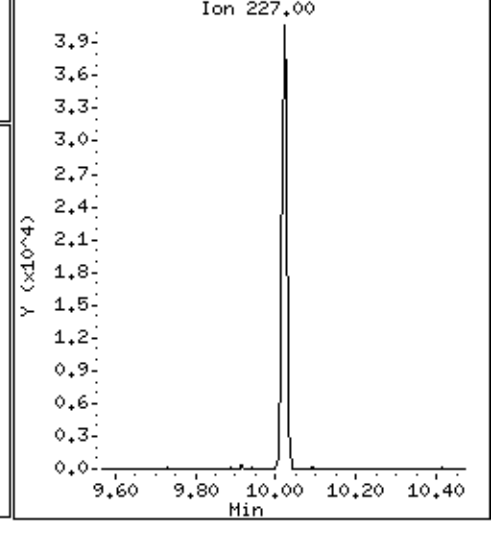












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

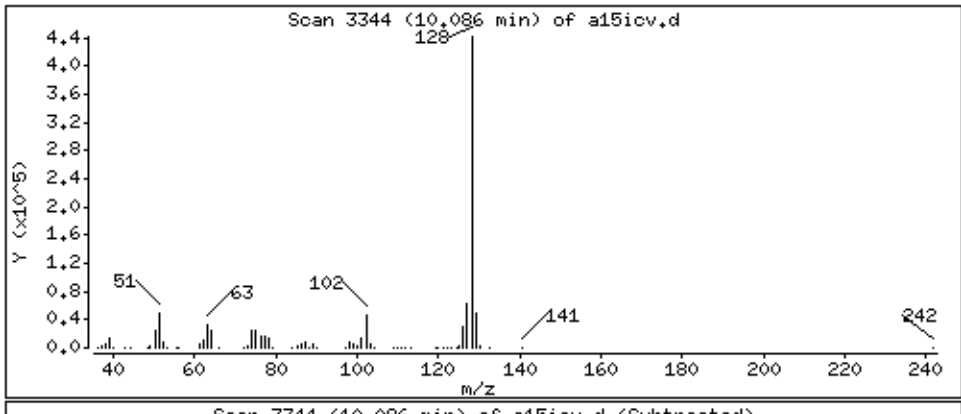
Operator: dae

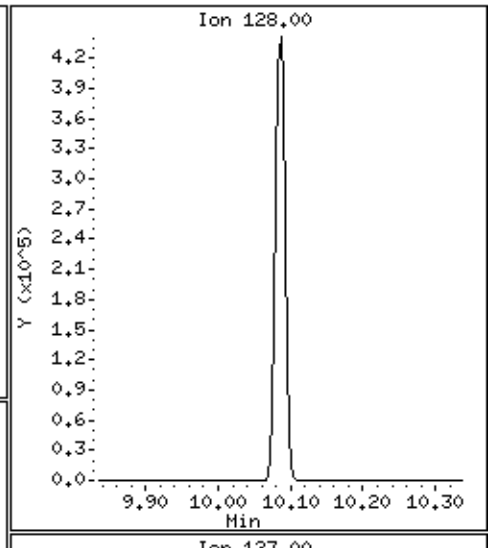
Column phase: DB-624

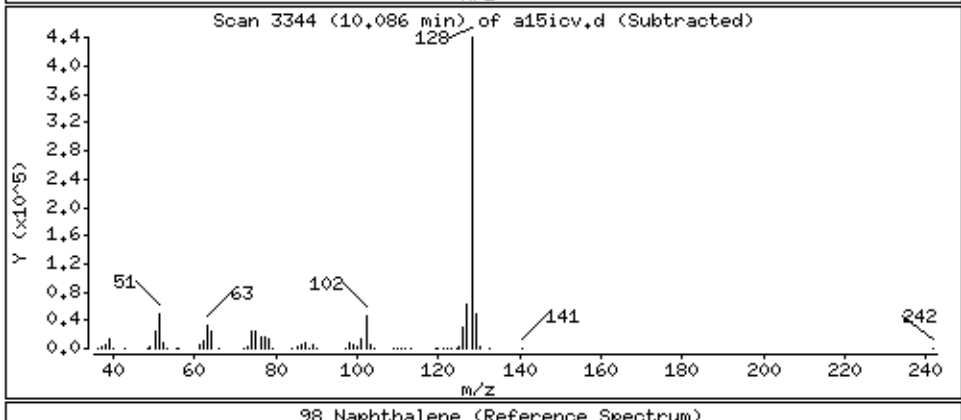
Column diameter: 0.18

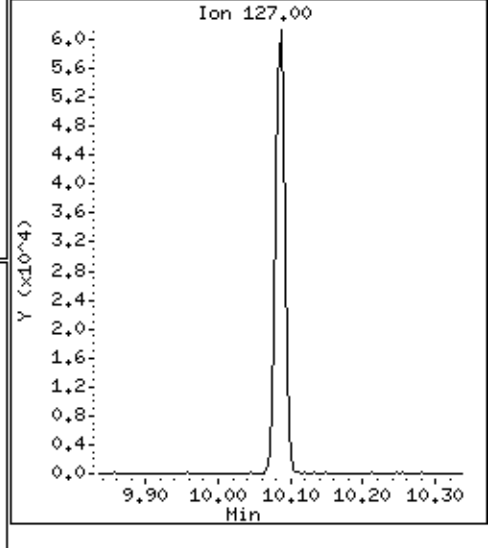
98 Naphthalene

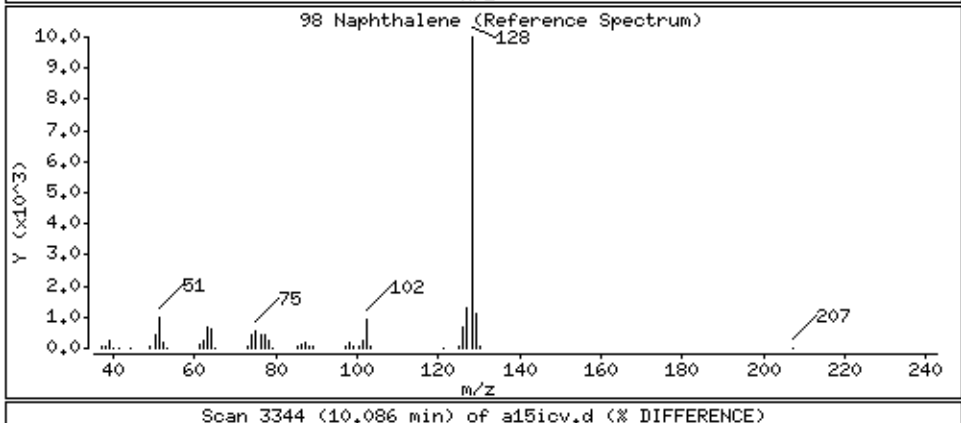
Concentration: 55.1 ppb

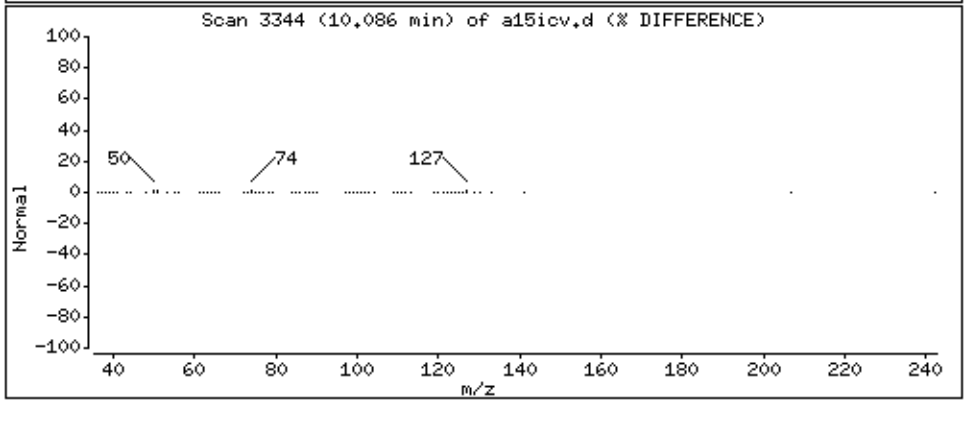












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

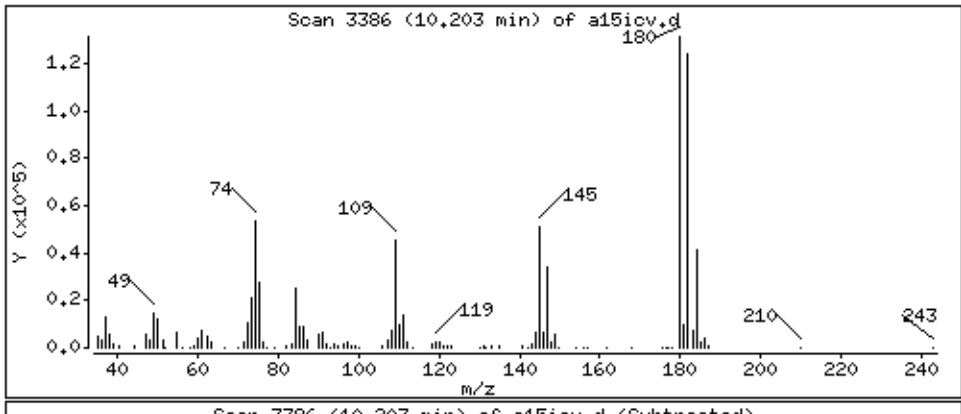
Operator: dae

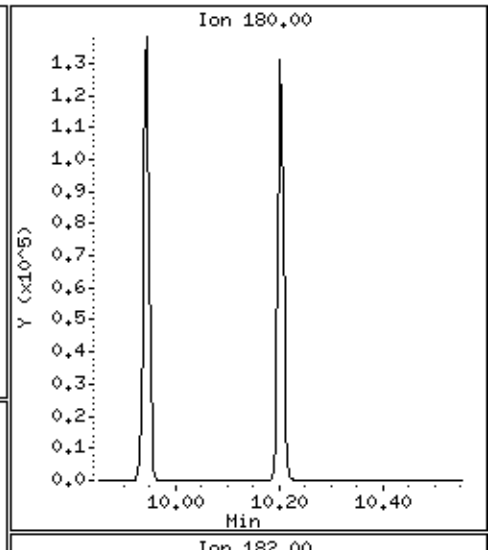
Column phase: DB-624

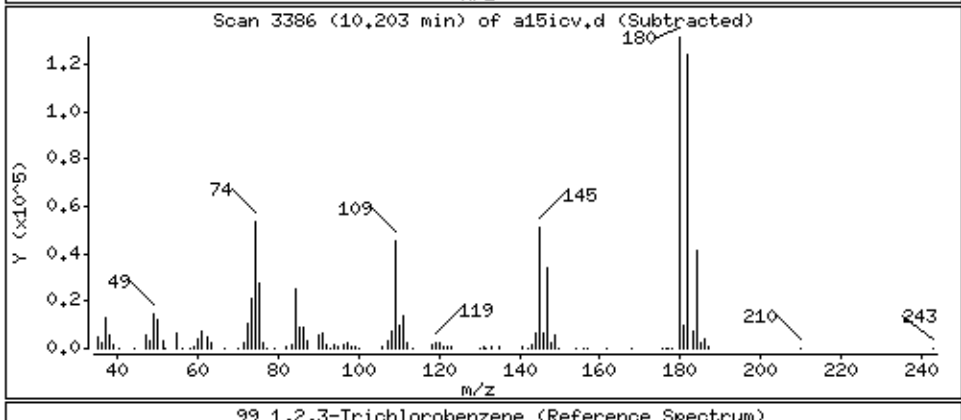
Column diameter: 0.18

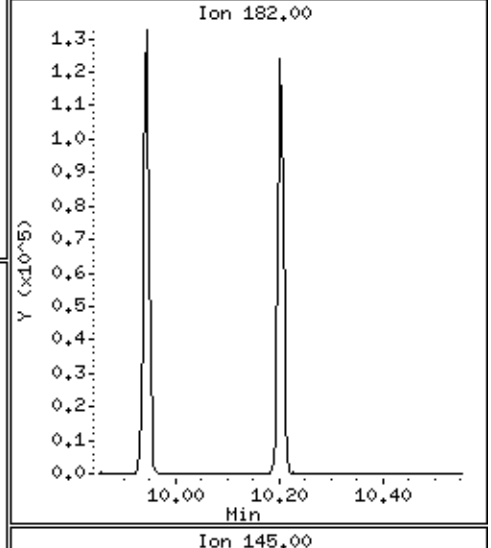
99 1,2,3-Trichlorobenzene

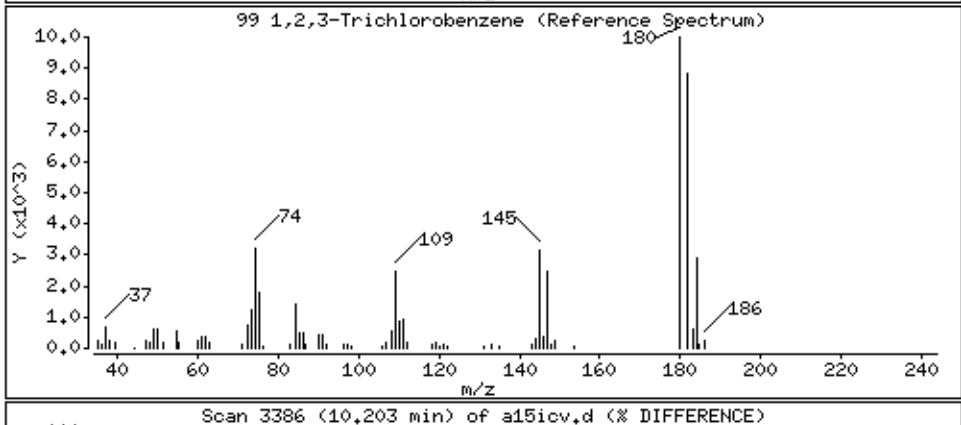
Concentration: 55.1 ppb

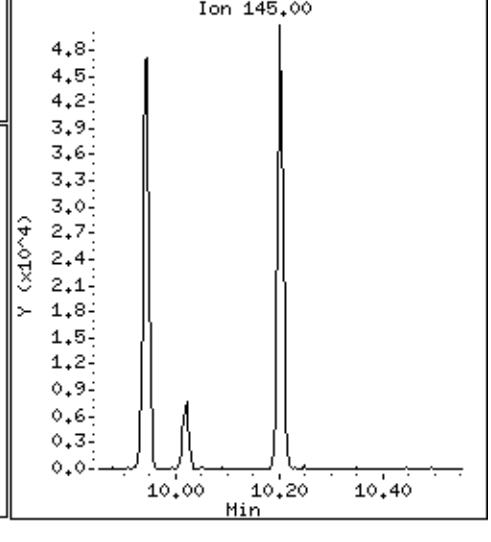


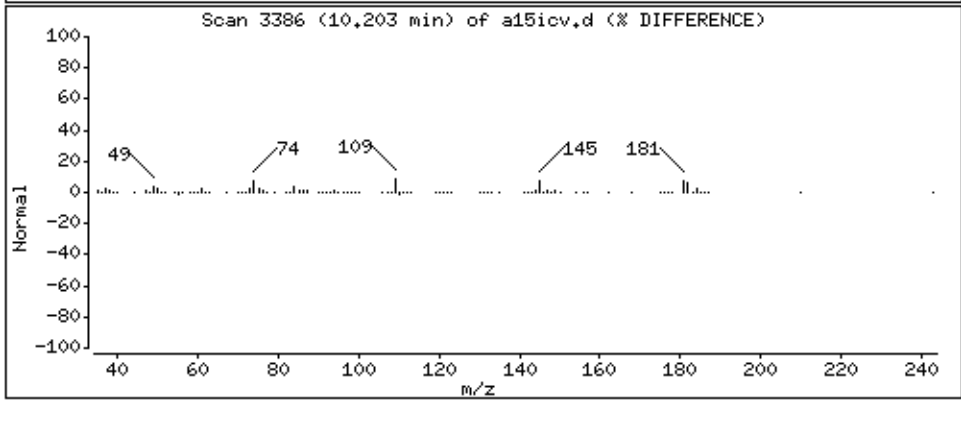












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

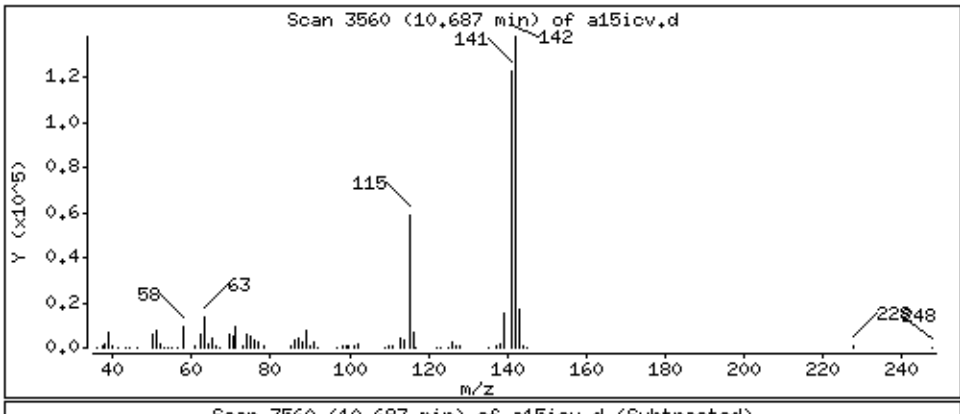
Operator: dae

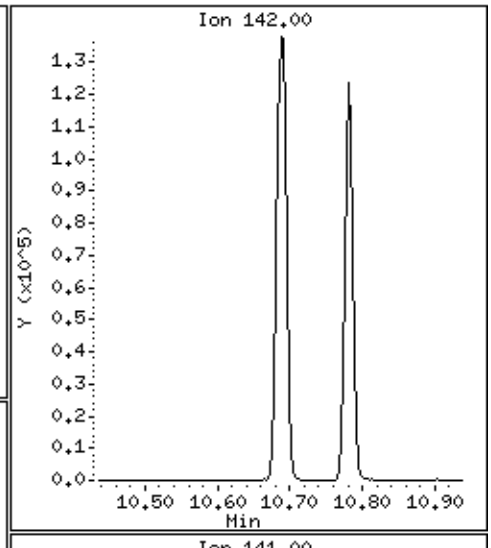
Column phase: DB-624

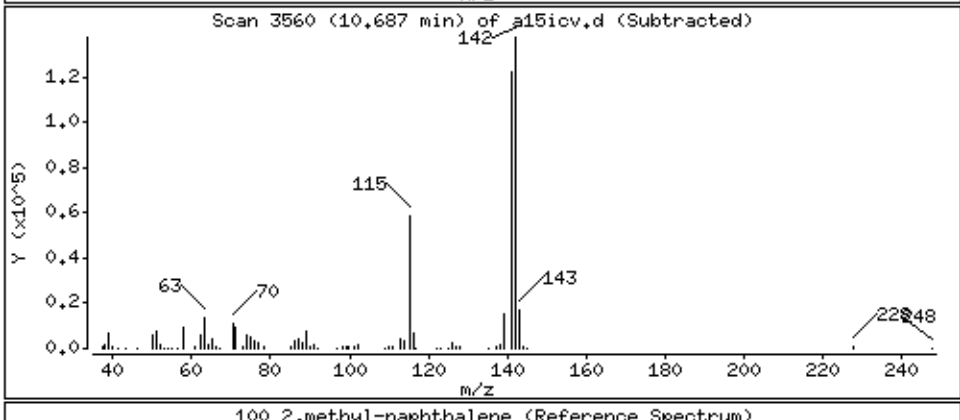
Column diameter: 0.18

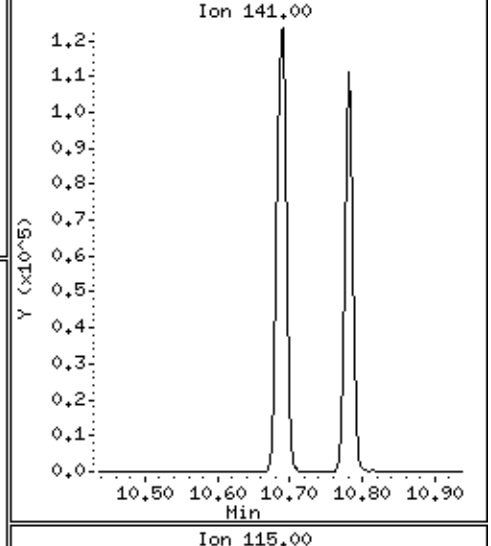
100 2,methyl-naphthalene

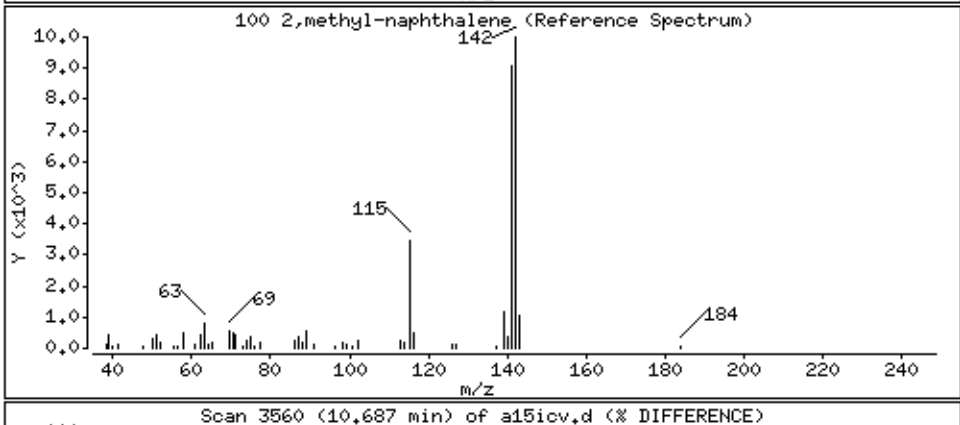
Concentration: 47.7 ppb

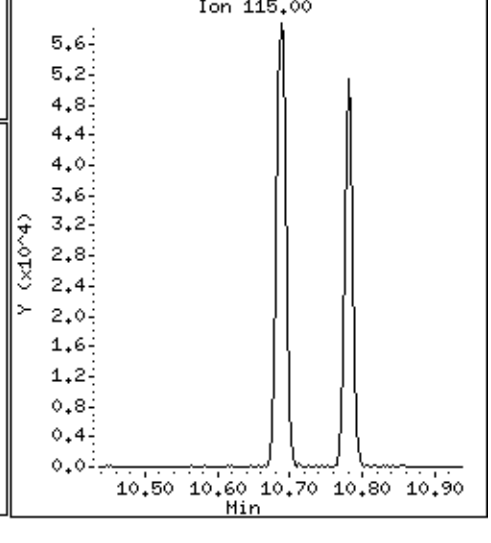


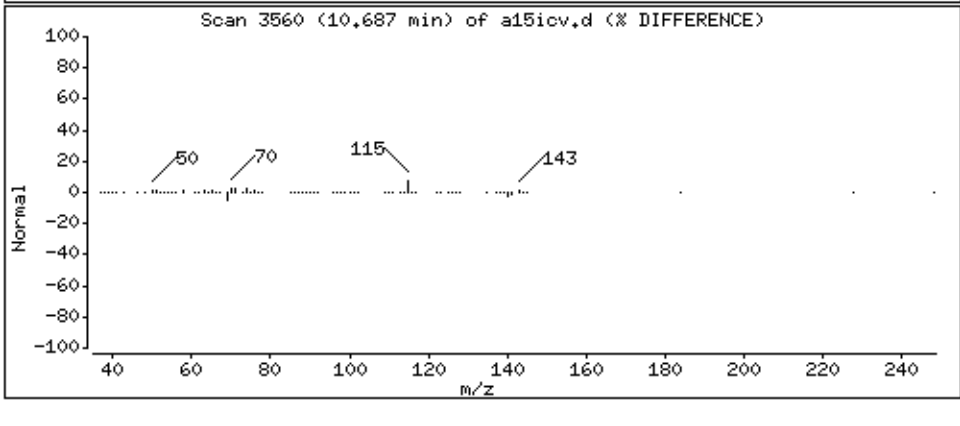












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a15icv.d

Date : 09-JUL-2014 21:15

Client ID: 8260-ICV,72095:5

Instrument: 50mv2a.i

Sample Info: 8260-ICV,72095:5

Purge Volume: 5.0

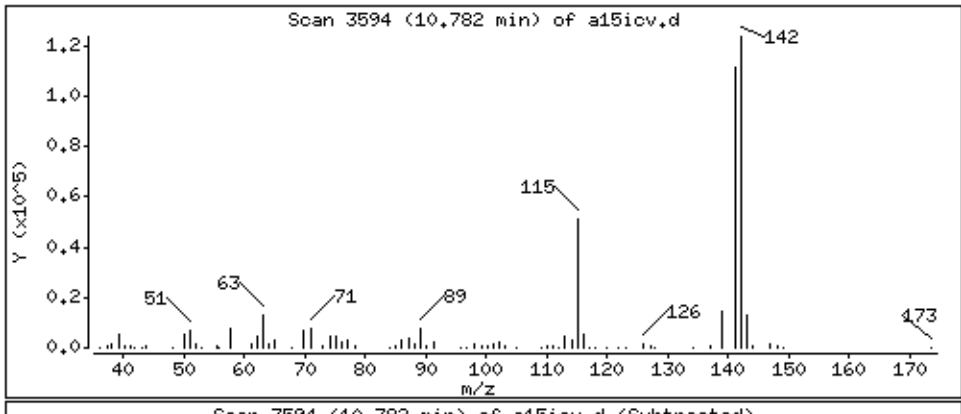
Operator: dae

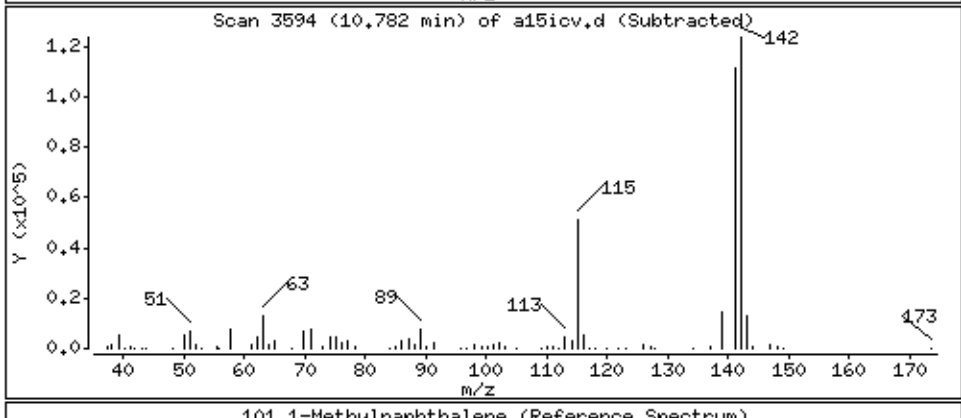
Column phase: DB-624

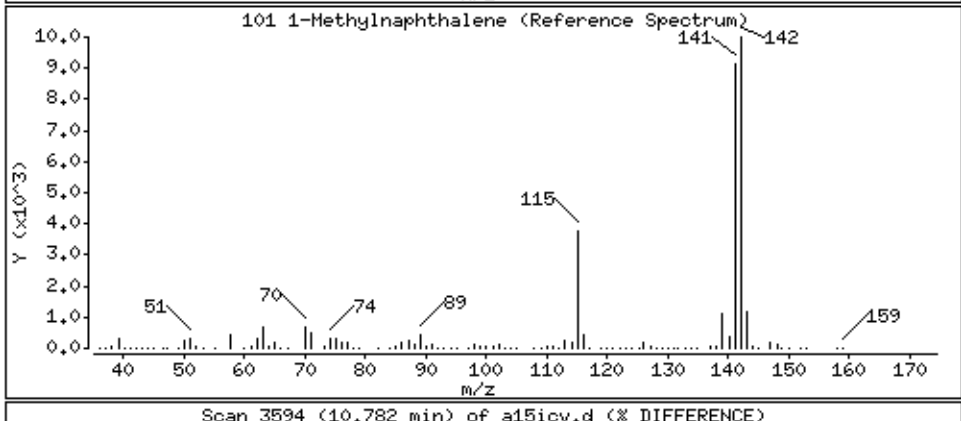
Column diameter: 0.18

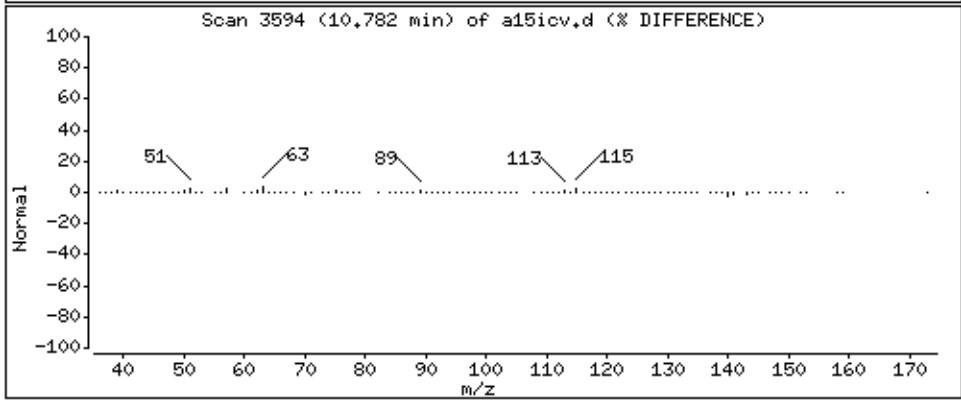
101 1-Methylnaphthalene

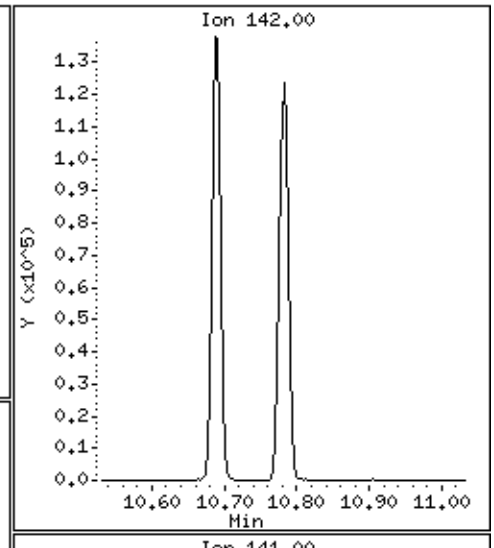
Concentration: 47.5 ppb

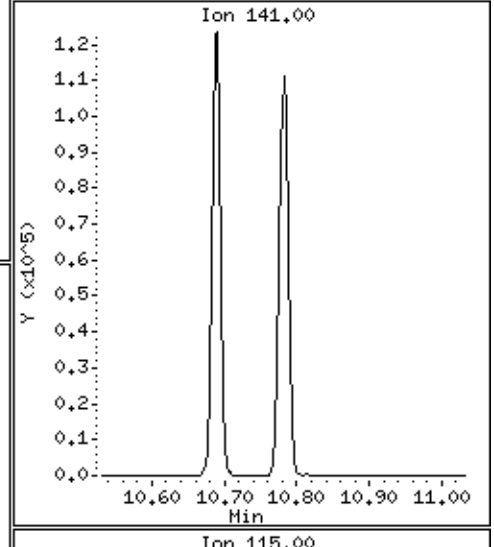


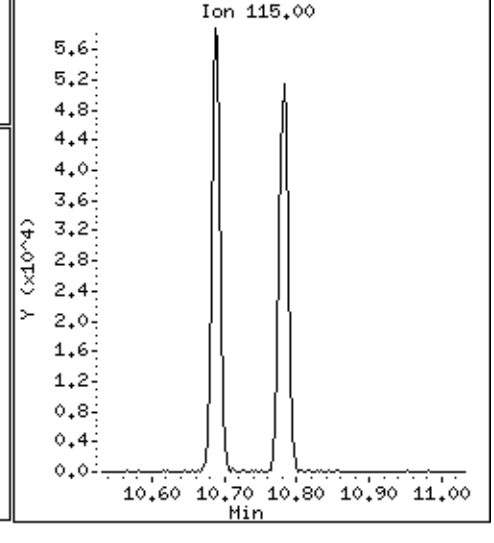












Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b/a15icv.d
Injection Date: 09-JUL-2014 21:15
Instrument: 50mv2a.i
Lab Sample ID: 8260-ICV,72095:5
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv2a.i\a071614.b\a01ccv.d
Lab Smp Id: 8260-CCV,72084:0 Client Smp ID: 8260-CCV,72084:0
Inj Date : 16-JUL-2014 12:13
Operator : dae Inst ID: 50mv2a.i
Smp Info : 8260-ccv,72084:0
Misc Info : 66623
Comment :
Method : \\192.168.50.6\chem\50mv2a.i\a071614.b\-a8260_a_c.m
Meth Date : 17-Jul-2014 13:30 50mv2a.i Quant Type: ISTD
Cal Date : 09-JUL-2014 20:09 Cal File: a13cal8.d
Als bottle: 2 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

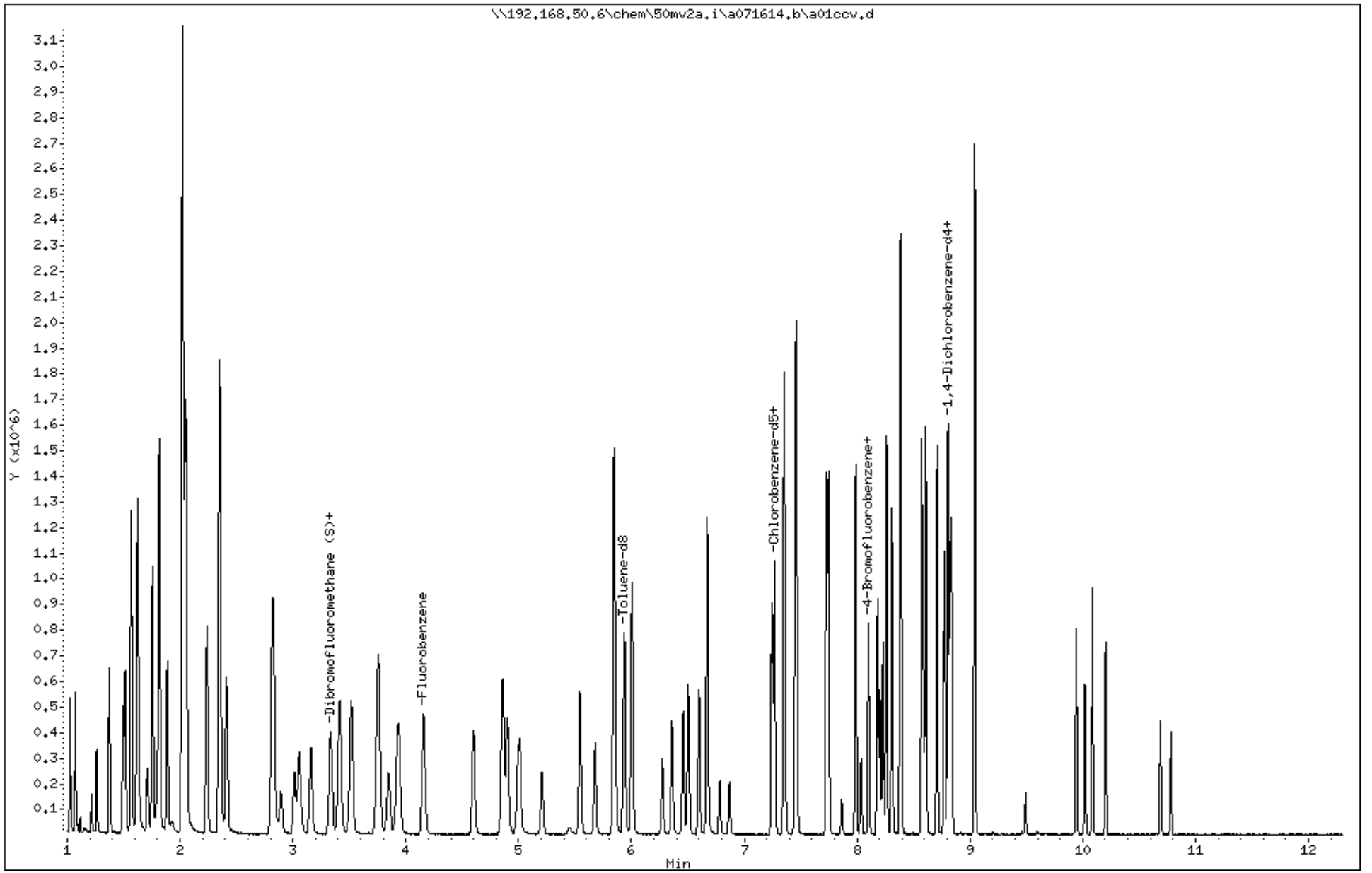
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	0.946	0.946	(0.228)	163274	50.0000	48.6	
2	Chloromethane	50	1.024	1.024	(0.246)	218319	50.0000	57.4	
3	Vinyl Chloride	62	1.071	1.071	(0.258)	186459	50.0000	57.2	
4	Bromomethane	94	1.213	1.213	(0.292)	41563	50.0000	49.0	
5	Chloroethane	64	1.260	1.260	(0.303)	104369	50.0000	71.9	
6	Trichlorofluoromethane	101	1.372	1.372	(0.330)	230015	50.0000	53.0	
7	Diethyl ether	74	1.494	1.494	(0.360)	75679	50.0000	60.3	
8	1,2-dichlorotrifluoroethane	67	1.514	1.514	(0.364)	164601	50.0000	55.7	
9	Acrolein	56	1.566	1.566	(0.377)	553974	1000.00	1360	
10	1,1,2trichlorotrifluoroethane	101	1.617	1.617	(0.389)	115653	50.0000	54.5	
11	1,1-Dichloroethene	96	1.622	1.622	(0.390)	108263	50.0000	56.6	
12	Acetone	43	1.630	1.630	(0.392)	308663	250.000	310	
13	Iodomethane	142	1.708	1.708	(0.411)	172720	100.000	105	
14	Carbon Disulfide	76	1.753	1.753	(0.422)	671521	100.000	118	
15	Methyl Acetate	43	1.797	1.797	(0.432)	160924	50.0000	57.4	
16	Acetonitrile	39	1.814	1.814	(0.436)	406281	50.0000	60.3	
17	allyl chloride	41	1.814	1.814	(0.436)	584742	100.000	130	
18	Methylene Chloride	84	1.886	1.886	(0.454)	123767	50.0000	59.0	
19	tert-Butyl Alcohol	59	1.928	1.928	(0.464)	28594	100.000	107	
20	Acrylonitrile	53	2.020	2.020	(0.486)	1516776	1000.00	1260	
21	Methyl-tert-butyl ether	73	2.045	2.045	(0.492)	714866	100.000	113	
22	1,2-Dichloroethene (trans)	96	2.056	2.056	(0.495)	122375	50.0000	60.7	
23	n-Hexane	57	2.237	2.237	(0.538)	252617	50.0000	58.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	24 Vinyl Acetate	43	2.348	2.348	(0.565)	1698643	200.000	260	
	25 1,1-Dichloroethane	63	2.357	2.357	(0.567)	273355	50.0000	60.3	
	26 Chloroprene	53	2.412	2.412	(0.580)	292878	50.0000	56.2	
	27 Ethyl acetate	88	2.409	2.409	(0.580)	109483	50.0000		
	28 2-Butanone	43	2.810	2.810	(0.676)	479806	250.000	260	
	29 1,2-Dichloroethene (cis)	96	2.824	2.824	(0.679)	135109	50.0000	48.9	
	30 2,2-Dichloropropane	77	2.832	2.832	(0.681)	95913	50.0000	38.6	
	31 Propionitrile	54	2.866	2.866	(0.689)	27234	50.0000	49.6	
	32 Methacrylonitrile	41	3.013	3.013	(0.725)	114954	200.000	204	
	33 Bromochloromethane	49	3.052	3.052	(0.734)	138663	50.0000	49.9	
	34 Tetrahydrofuran	42	3.069	3.069	(0.738)	53382	50.0000	54.5	
	35 Chloroform	83	3.158	3.158	(0.760)	221088	50.0000	52.1	
$	36 Dibromofluoromethane (S)	113	3.336	3.336	(0.803)	94383	50.0000	50.1	
	37 1,1,1-Trichloroethane	97	3.333	3.333	(0.802)	140065	50.0000	41.3	
	38 cyclohexane	56	3.411	3.411	(0.821)	268624	50.0000	50.2	
	39 Carbon Tetrachloride	117	3.511	3.511	(0.845)	83716	50.0000	43.5	
	40 1,1-Dichloropropene	75	3.520	3.520	(0.847)	177912	50.0000	51.5	
	41 Benzene	78	3.759	3.759	(0.904)	492980	50.0000	51.6	
	42 1,2-Dichloroethane	62	3.845	3.845	(0.925)	203917	50.0000	51.1	
	43 2,2,4-Trimethylpentane	57	3.937	3.937	(0.947)	491822	50.0000	52.8	
	44 Isobutyl alcohol	43	3.931	3.931	(0.946)	96941	50.0000	50.5	
*	45 Fluorobenzene	96	4.157	4.157	(1.000)	398489	50.0000		
	47 Trichloroethene	95	4.602	4.602	(1.107)	124397	50.0000	47.7	
	48 Methylcyclohexane	55	4.861	4.861	(1.169)	203473	50.0000	50.5	
	49 1,2-Dichloropropane	63	4.900	4.900	(1.179)	135864	50.0000	52.7	
	50 1,4-Dioxane	88	4.989	4.989	(1.200)	6105	50.0000	14.7	
	51 Dibromomethane	93	4.991	4.991	(1.201)	72499	50.0000	53.4	
	52 Methyl methacrylate	69	5.011	5.011	(1.205)	86677	50.0000	49.2	
	53 Bromodichloromethane	83	5.208	5.208	(1.253)	123861	50.0000	43.0	
	54 2-Chloroethyl vinyl ether	63	5.545	5.545	(0.765)	183958	100.000	109	
	55 cis-1,3-Dichloropropene	75	5.679	5.679	(0.784)	134872	50.0000	45.4	
	56 4-Methyl-2-Pentanone	43	5.846	5.846	(0.807)	893528	250.000	280	
$	57 Toluene-d8	98	5.935	5.935	(0.819)	400906	50.0000	50.8	
	58 Toluene	91	6.004	6.004	(0.829)	527121	50.0000	51.2	
	59 trans-1,3-Dichloropropene	75	6.274	6.274	(0.866)	92641	50.0000	42.3	
	60 Ethyl Methacrylate	69	6.360	6.360	(0.878)	150676	50.0000	47.2	
	61 1,1,2-Trichloroethane	83	6.460	6.460	(0.892)	86825	50.0000	50.9	
	62 Tetrachloroethene	166	6.502	6.502	(0.897)	105639	50.0000	51.1	
	63 1,3-Dichloropropane	76	6.600	6.600	(0.911)	190314	50.0000	51.0	
	64 2-Hexanone	43	6.672	6.672	(0.921)	617668	250.000	277	
	65 Dibromochloromethane	129	6.783	6.783	(0.936)	67177	50.0000	39.8	
	66 1,2-Dibromoethane	107	6.867	6.867	(0.948)	93281	50.0000	55.1	
*	67 Chlorobenzene-d5	117	7.245	7.245	(1.000)	272968	50.0000		
	68 Chlorobenzene	112	7.267	7.267	(1.003)	295861	50.0000	50.1	
	69 1,1,1,2-Tetrachloroethane	131	7.351	7.351	(1.015)	67691	50.0000	44.6	
	70 Ethylbenzene	106	7.356	7.356	(1.015)	175190	50.0000	51.4	
	71 m&p-Xylene	106	7.459	7.459	(1.030)	426073	100.000	106	
	72 o-Xylene	106	7.729	7.729	(1.067)	202380	50.0000	55.3	
	73 Styrene	104	7.746	7.746	(1.069)	347063	50.0000	55.2	
	74 Bromoform	173	7.865	7.865	(0.892)	31784	50.0000	43.8	
	75 Isopropylbenzene	105	7.988	7.988	(1.103)	524471	50.0000	52.7	
$	76 4-Bromofluorobenzene	95	8.099	8.099	(1.118)	157614	50.0000	50.6	
	77 n-amyl acetate	70	8.102	8.102	(1.118)	1262	50.0000		
	78 Bromobenzene	77	8.180	8.180	(1.129)	222263	50.0000	52.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
79	1,1,2,2-Tetrachloroethane	83	8.202	8.202	(0.930)	138415	50.0000	53.8	
80	trans-1,4-Dichloro-2-butene	53	8.224	8.224	(1.135)	40242	50.0000	50.7	
81	1,2,3-Trichloropropane	110	8.230	8.230	(0.933)	44405	50.0000	51.3	
82	n-Propylbenzene	91	8.261	8.261	(0.936)	679364	50.0000	50.6	
83	2-Chlorotoluene	91	8.311	8.311	(0.942)	398792	50.0000	50.0	
84	1,3,5-Trimethylbenzene	105	8.380	8.380	(0.950)	457156	50.0000	52.8	
85	4-Chlorotoluene	126	8.389	8.389	(0.951)	121916	50.0000	51.6	
86	tert-Butylbenzene	119	8.572	8.572	(0.972)	398741	50.0000	52.2	
87	1,2,4-Trimethylbenzene	105	8.608	8.608	(0.976)	458844	50.0000	51.0	
88	sec-Butylbenzene	105	8.708	8.708	(0.987)	552939	50.0000	53.1	
89	1,3-Dichlorobenzene	146	8.772	8.772	(0.994)	210722	50.0000	49.8	
90	p-Isopropyltoluene	119	8.806	8.806	(0.998)	467061	50.0000	54.0	
* 91	1,4-Dichlorobenzene-d4	152	8.823	8.823	(1.000)	129405	50.0000		
92	1,4-Dichlorobenzene	146	8.836	8.836	(1.002)	218050	50.0000	49.8	
93	n-Butylbenzene	91	9.042	9.042	(1.025)	479689	50.0000	55.9	
94	1,2-Dichlorobenzene	146	9.042	9.042	(1.025)	198513	50.0000	52.6	
95	1,2-Dibromo-3-chloropropane	155	9.493	9.493	(1.076)	12316	50.0000	43.5	
96	1,2,4-Trichlorobenzene	180	9.944	9.944	(1.127)	106569	50.0000	56.0	
97	Hexachlorobutadiene	225	10.022	10.022	(1.136)	50189	50.0000	48.9	
98	Naphthalene	128	10.086	10.086	(1.143)	354962	50.0000	57.9	
99	1,2,3-Trichlorobenzene	180	10.203	10.203	(1.156)	97659	50.0000	56.2	
100	2,methyl-naphthalene	142	10.687	10.687	(1.211)	105384	50.0000	47.0	
101	1-Methylnaphthalene	142	10.781	10.781	(1.222)	86224	50.0000	46.4	

Data File: \\192.168.50.6\chem\50mv2a.i\a071614.b\a01ccv.d
Date : 16-JUL-2014 12:13
Client ID: 8260-CCV,72084:0
Sample Info: 8260-CCV,72084:0
Purge Volume: 5.0
Column phase: DB-624

Instrument: 50mv2a.i
Operator: dae
Column diameter: 0.18



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Injection Date: 16-JUL-2014 12:13
Instrument: 50mv2a.i
Lab Sample ID: 8260-CCV,72084:0
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d
Lab Smp Id: 8260-ICV Client Smp ID: 8260-ICV
Inj Date : 04-JUL-2014 05:06
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-icv,71917:0
Misc Info : 66458
Comment   :
Method   : \\192.168.50.6\chem\50mv4a.i\a070314cal.b\-a8260_a_c.m
Meth Date : 07-Jul-2014 14:50 50mv4a.i Quant Type: ISTD
Cal Date : 04-JUL-2014 04:02 Cal File: a09.d
Als bottle: 23 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)	CONCENTRATIONS FINAL (ppb)	REVIEW C
1	Dichlorodifluoromethane	85	1.010	1.016	(0.196)	391470	50.8119	50.8	
2	Chloromethane	50	1.145	1.157	(0.222)	356618	42.8423	42.8	
3	Vinyl Chloride	62	1.180	1.181	(0.229)	355033	54.5680	54.6	
4	Bromomethane	94	1.369	1.375	(0.266)	247187	104.299	104(R)	
5	Chloroethane	64	1.433	1.433	(0.278)	192217	53.8596	53.8	
6	Trichlorofluoromethane	101	1.592	1.592	(0.309)	465712	53.3837	53.4	
7	Diethyl ether	74	1.786	1.786	(0.347)	157084	57.1922	57.2	
8	1,2-dichlorotrifluoroethane	67	1.792	1.798	(0.348)	333513	64.4070	64.4	
9	Acrolein	56	1.875	1.875	(0.364)	972615	1439.55	1440	
10	1,1,2trichlorotrifluoroethane	101	1.945	1.951	(0.378)	291798	56.6162	56.6	
11	1,1-Dichloroethene	96	1.945	1.945	(0.378)	266303	55.9893	56.0	
12	Acetone	43	1.986	1.992	(0.386)	348097	311.428	311	
13	Iodomethane	142	2.051	2.057	(0.398)	951749	137.603	138	
14	Carbon Disulfide	76	2.098	2.104	(0.407)	1602588	129.199	129	
15	Acetonitrile	39	2.222	2.228	(0.431)	575406	63.9902	64.0	
16	allyl chloride	41	2.222	2.228	(0.431)	847328	128.663	129	
17	Methyl Acetate	43	2.251	2.251	(0.437)	242553	62.7121	62.7	
18	Methylene Chloride	84	2.327	2.328	(0.452)	293273	56.7265	56.7	
19	tert-Butyl Alcohol	59	2.457	2.457	(0.477)	50028	123.397	123(H)	
20	Acrylonitrile	53	2.557	2.557	(0.496)	1716814	1095.76	1100	
21	1,2-Dichloroethene (trans)	96	2.569	2.569	(0.499)	295806	55.2950	55.3	
22	Methyl-tert-butyl ether	73	2.580	2.580	(0.501)	1458902	107.500	107	
23	n-Hexane	57	2.845	2.845	(0.552)	301694	51.6905	51.7	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
	24 1,1-Dichloroethane	63	2.998	2.998	(0.582)	509804	56.0849	56.1	
	25 Vinyl Acetate	43	3.080	3.086	(0.598)	2144019	230.811	231	
	26 chloroprene	53	3.098	3.098	(0.601)	391890	54.1251	54.1	
	27 2,2-Dichloropropane	77	3.698	3.704	(0.718)	383383	51.3683	51.4	
	28 1,2-Dichloroethene (cis)	96	3.716	3.716	(0.721)	343327	52.7361	52.7	
	29 2-Butanone	43	3.769	3.774	(0.732)	606133	278.355	278	
	30 Propionitrile	54	3.851	3.863	(0.748)	30301	44.1974	44.2(Q)	
	31 Bromochloromethane	49	4.039	4.039	(0.784)	219416	51.5678	51.6	
	32 Methacrylonitrile	41	4.057	4.057	(0.788)	712300	194.532	194	
	33 Tetrahydrofuran	42	4.110	4.110	(0.798)	85006	31.8840	31.9	
	34 Chloroform	83	4.174	4.174	(0.810)	544025	53.6618	53.7	
	35 1,1,1-Trichloroethane	97	4.363	4.369	(0.847)	484853	51.7981	51.8	
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.849)	98321	50.7309	50.7	
	37 Cyclohexane	56	4.416	4.416	(0.857)	440331	51.9887	52.0	
	38 Carbon Tetrachloride	117	4.563	4.563	(0.886)	403761	54.6056	54.6	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.888)	404676	53.7348	53.7	
	40 Benzene	78	4.816	4.816	(0.935)	1200071	57.3556	57.4	
	41 1,2-Dichloroethane	62	4.851	4.851	(0.942)	402001	54.3704	54.4	
	42 Isobutyl alcohol	43	4.933	4.933	(0.958)	111871	43.1744	43.2	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.958)	594329	48.4045	48.4	
*	44 Fluorobenzene	96	5.151	5.151	(1.000)	349950	50.0000		
	45 Trichloroethene	95	5.539	5.545	(1.075)	329940	51.6171	51.6	
	46 Methylcyclohexane	55	5.721	5.721	(1.111)	327603	48.0564	48.0	
	47 1,2-Dichloropropane	63	5.774	5.774	(1.121)	288877	52.5947	52.6	
	48 Dibromomethane	93	5.886	5.892	(1.143)	179311	48.5072	48.5	
	49 1,4-Dioxane	88	5.939	5.939	(1.153)	57860	1306.20	1310	
	50 Methyl methacrylate	69	5.957	5.957	(1.156)	184961	52.4431	52.4	
	51 Bromodichloromethane	83	6.068	6.074	(1.178)	392977	56.6751	56.7	
	52 2-Chloroethyl vinyl ether	63	6.404	6.404	(0.814)	183329	57.6795	57.7	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	465650	56.2644	56.3	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	1242263	280.996	281	
$	55 Toluene-d8	98	6.751	6.751	(0.859)	367402	50.6368	50.6	
	56 Toluene	91	6.815	6.815	(0.867)	1326711	56.5949	56.6	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	393757	56.4225	56.4	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	1278762	205.027	205	
	59 1,1,2-Trichloroethane	83	7.186	7.180	(0.914)	210881	50.8901	50.9	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	359606	51.7646	51.8	
	61 1,3-Dichloropropane	76	7.309	7.310	(0.930)	419464	54.0707	54.1	
	62 2-Hexanone	43	7.398	7.398	(0.941)	849558	281.874	282	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	302132	57.9948	58.0	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	284033	55.6021	55.6	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	291100	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	918705	56.6556	56.6	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.945	(1.010)	338574	60.4369	60.4	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	488018	53.8956	53.9	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	1206283	116.975	117	
	70 o-Xylene	106	8.286	8.286	(1.054)	588897	57.4374	57.4	
	71 Styrene	104	8.298	8.298	(1.055)	997230	58.8829	58.9	
	72 Bromoform	173	8.404	8.404	(0.906)	194222	47.4397	47.4	
	73 Isopropylbenzene	105	8.515	8.515	(1.083)	1448313	57.2904	57.3	
$	74 4-Bromofluorobenzene	95	8.604	8.604	(1.094)	144373	50.3800	50.4	
	75 Bromobenzene	77	8.686	8.686	(1.105)	511945	54.3969	54.4	
	76 1,1,2,2-Tetrachloroethane	83	8.698	8.698	(0.938)	318121	54.3269	54.3	
	77 1,2,3-Trichloropropane	110	8.721	8.721	(0.940)	97993	53.8433	53.8(Q)	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ppb)	REVIEW C
78	trans-1,4-Dichloro-2-butene	53	8.733	8.733	(1.111)	311095	219.072	219(Q)	
79	n-Propylbenzene	91	8.756	8.762	(0.944)	1614908	56.7940	56.8	
80	2-Chlorotoluene	91	8.804	8.804	(0.949)	978264	55.3930	55.4	
81	1,3,5-Trimethylbenzene	105	8.862	8.862	(0.956)	1191075	55.8671	55.9	
82	4-Chlorotoluene	126	8.868	8.868	(0.956)	393949	58.0712	58.1	
83	tert-Butylbenzene	119	9.051	9.051	(0.976)	1066340	47.5113	47.5	
84	1,2,4-Trimethylbenzene	105	9.074	9.080	(0.978)	1242129	56.3490	56.3	
85	sec-Butylbenzene	105	9.174	9.180	(0.989)	1399289	56.5502	56.6	
86	1,3-Dichlorobenzene	146	9.239	9.239	(0.996)	700877	57.5600	57.6	
87	p-Isopropyltoluene	119	9.256	9.262	(0.998)	1229568	55.4939	55.5	
* 88	1,4-Dichlorobenzene-d4	152	9.274	9.280	(1.000)	160470	50.0000	(Q)	
89	1,4-Dichlorobenzene	146	9.292	9.292	(1.002)	706618	57.2151	57.2	
90	n-Butylbenzene	91	9.492	9.498	(1.023)	974334	55.8897	55.9	
91	1,2-Dichlorobenzene	146	9.503	9.504	(1.025)	639931	56.2055	56.2	
92	1,2-Dibromo-3-chloropropane	155	9.950	9.956	(1.073)	55668	52.3632	52.4	
93	1,2,4-Trichlorobenzene	180	10.433	10.439	(1.125)	357801	54.4484	54.4	
94	Hexachlorobutadiene	225	10.533	10.539	(1.136)	157175	50.0680	50.1	
95	Naphthalene	128	10.580	10.586	(1.141)	959090	49.8242	49.8	
96	1,2,3-Trichlorobenzene	180	10.727	10.733	(1.157)	327995	55.0988	55.1	
97	2,methyl-naphthalene	142	11.274	11.280	(1.216)	415562	60.4314	60.4	
98	1-Methylnaphthalene	142	11.392	11.398	(2.211)	347849	54.1565	54.2	

QC Flag Legend

Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
H - Operator selected an alternate compound hit.

Review Codes Legend

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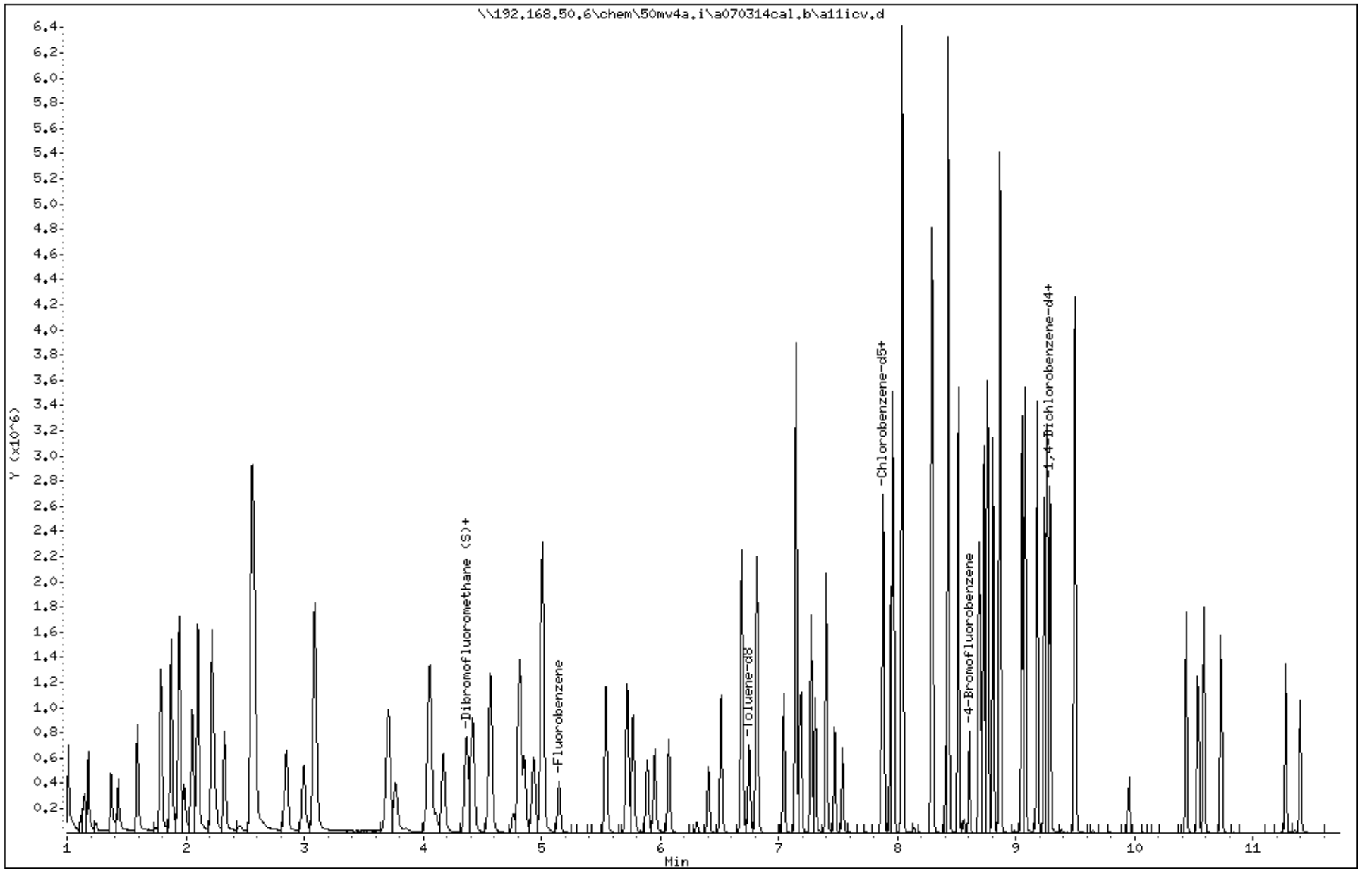
Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d
Date : 04-JUL-2014 05:06
Client ID: 8260-ICV
Instrument: 50mv4a.i
Sample Info: 8260-ICV,71917:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



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Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

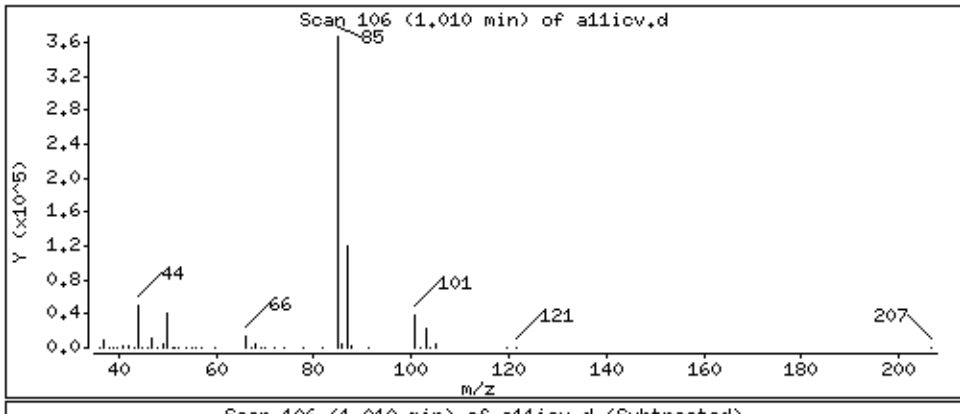
Operator: rsw

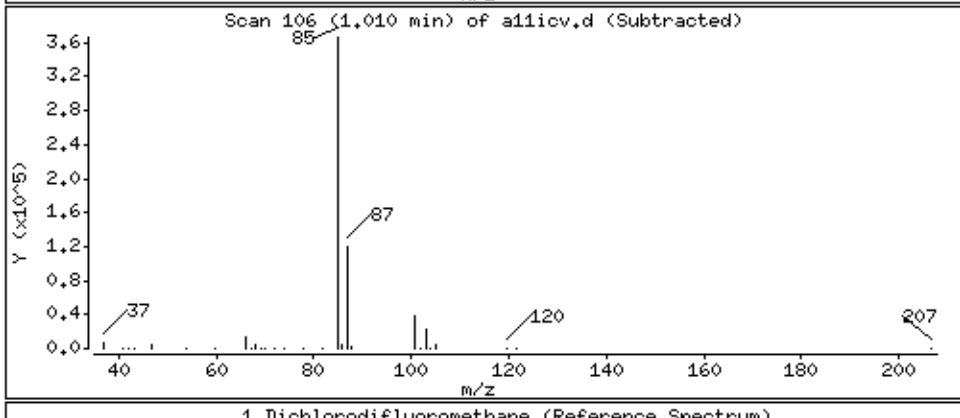
Column phase: DB-624

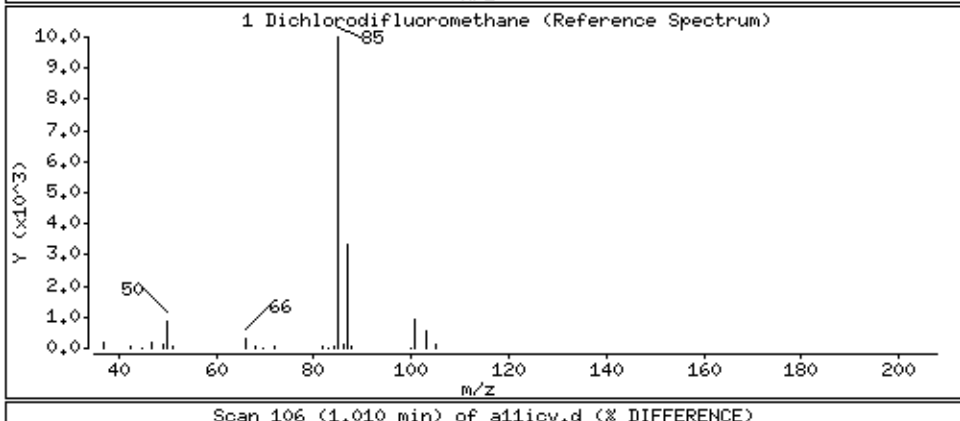
Column diameter: 0.18

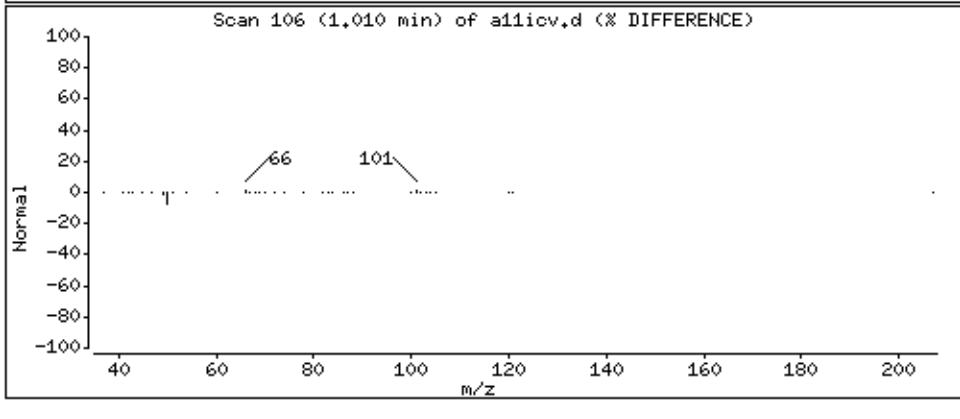
1 Dichlorodifluoromethane

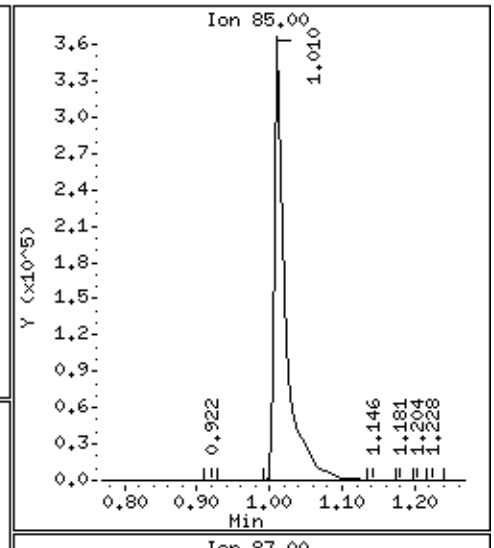
Concentration: 50.8 ppb

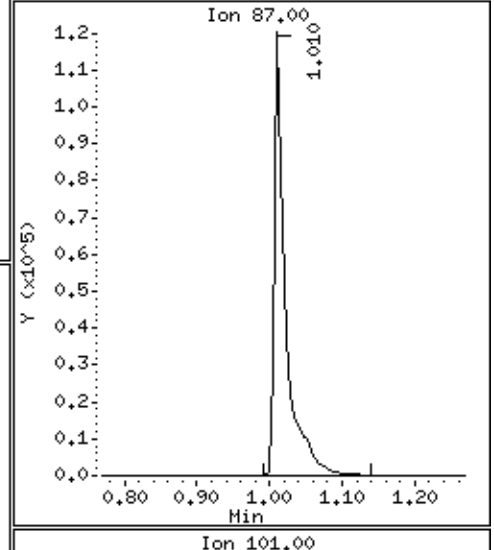


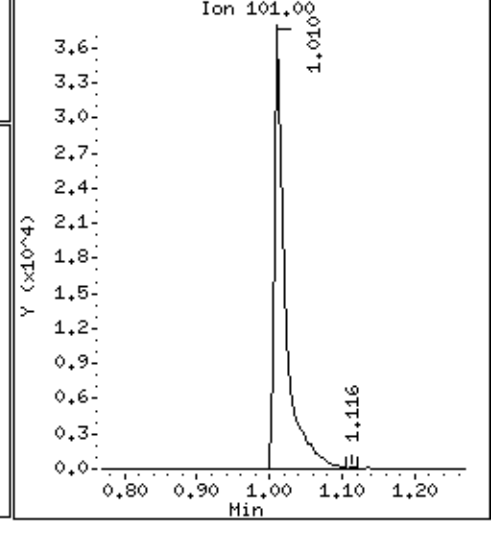












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Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

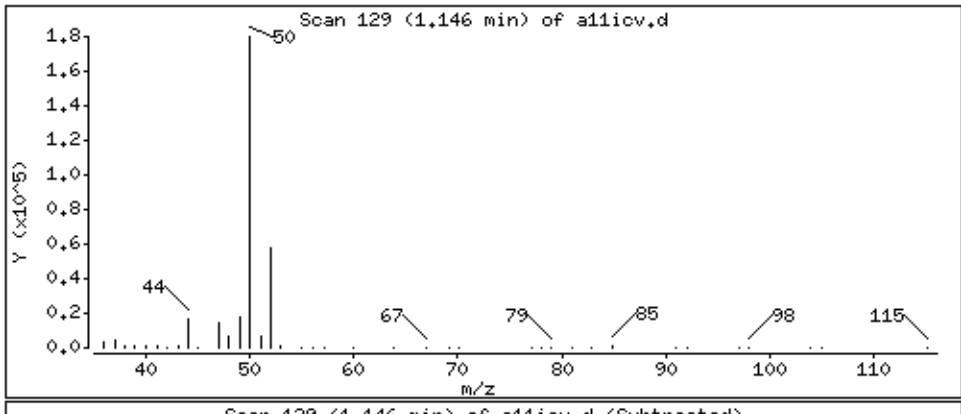
Operator: rsw

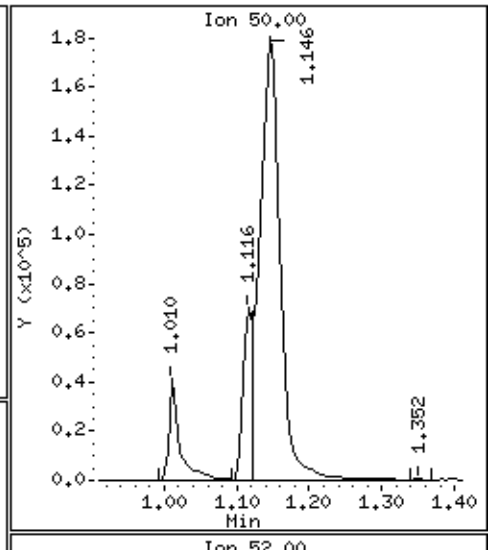
Column phase: DB-624

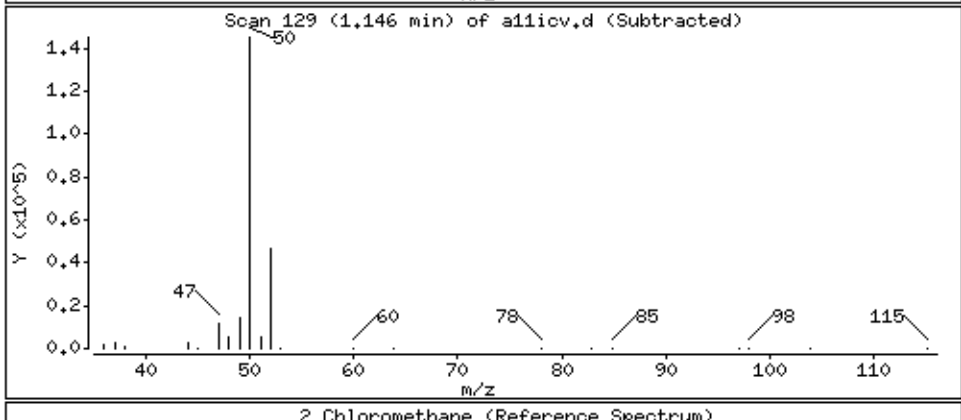
Column diameter: 0.18

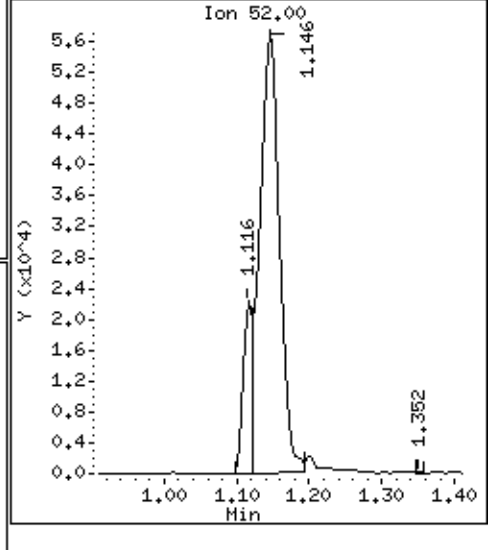
2 Chloromethane

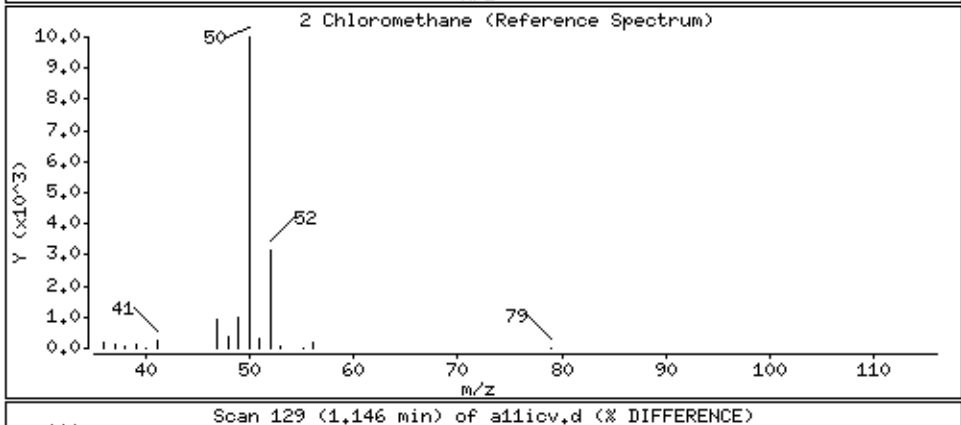
Concentration: 42.8 ppb

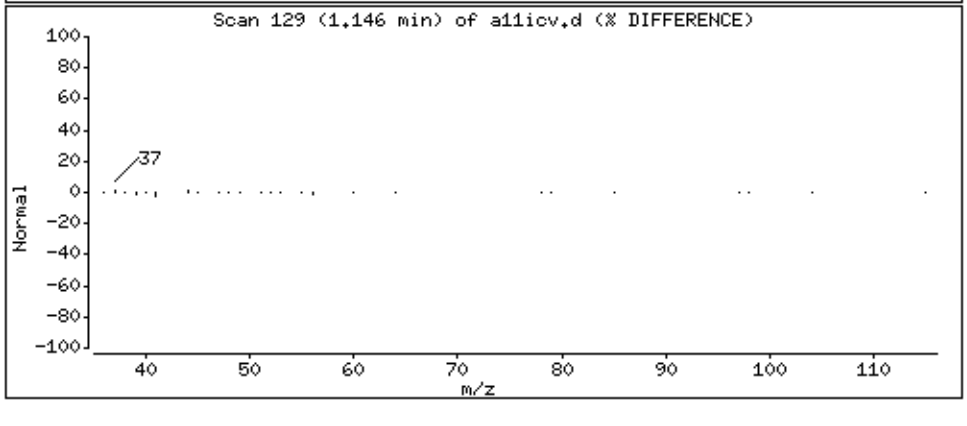












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

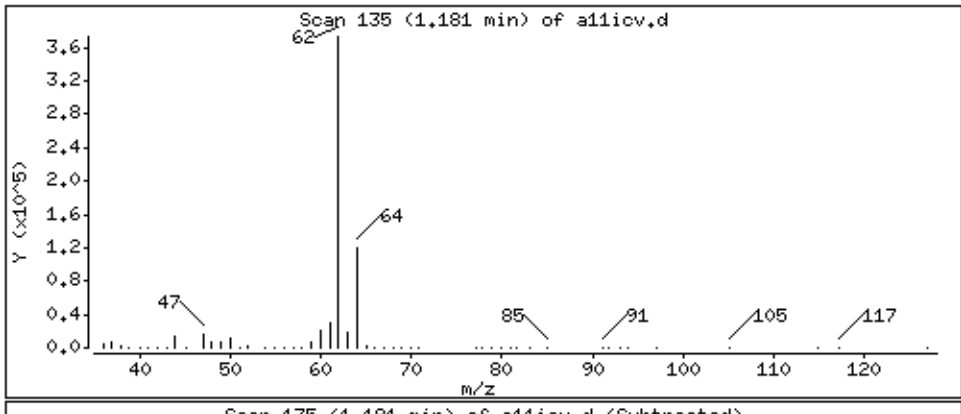
Operator: rsw

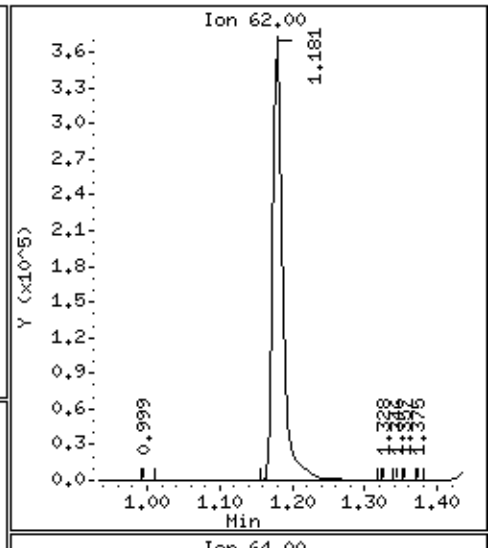
Column phase: DB-624

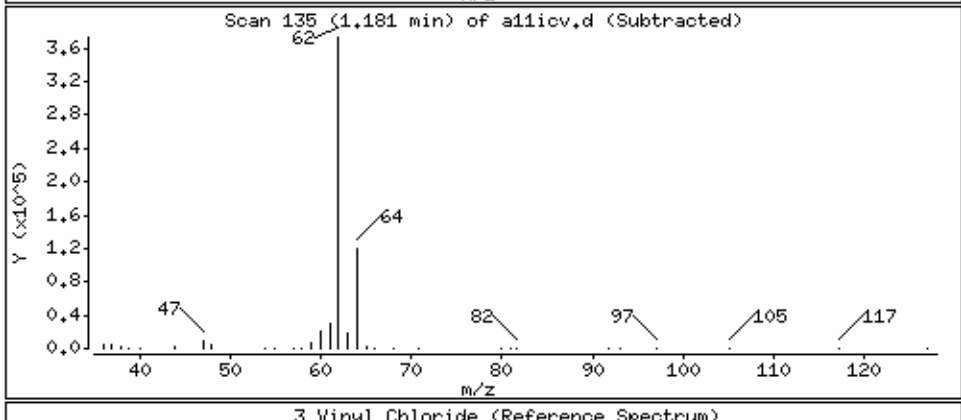
Column diameter: 0.18

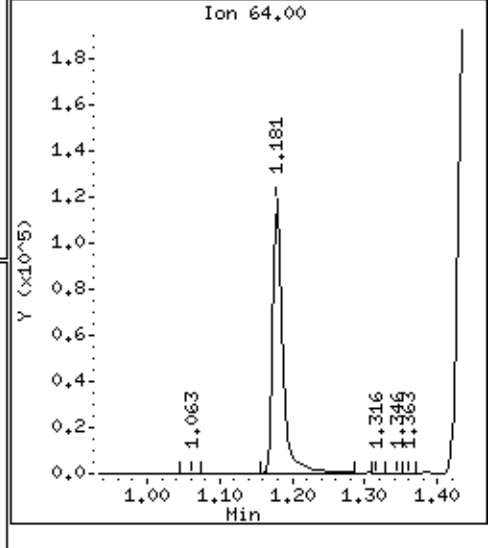
3 Vinyl Chloride

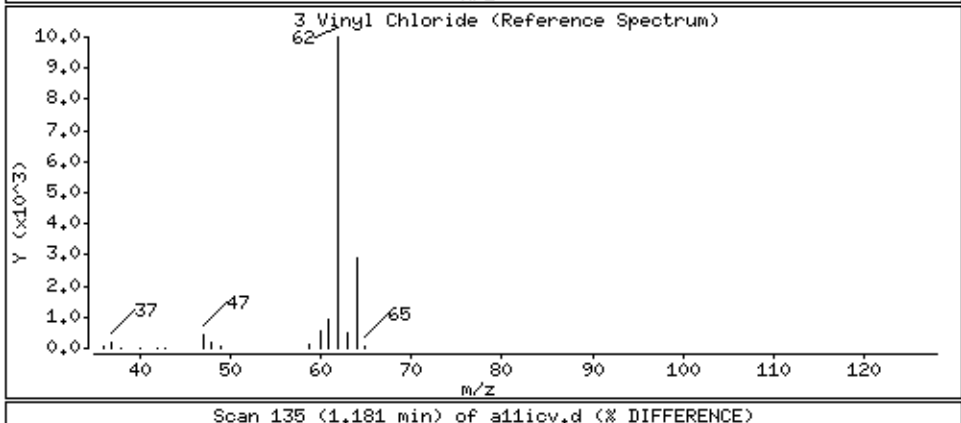
Concentration: 54.6 ppb

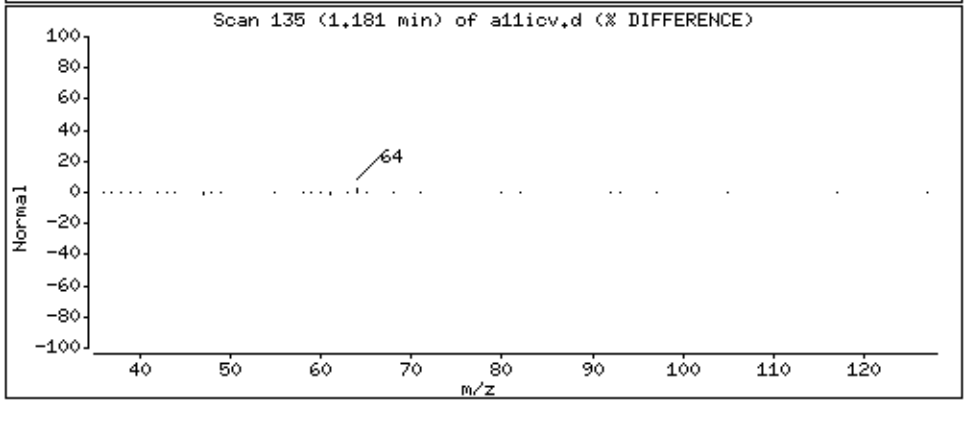












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

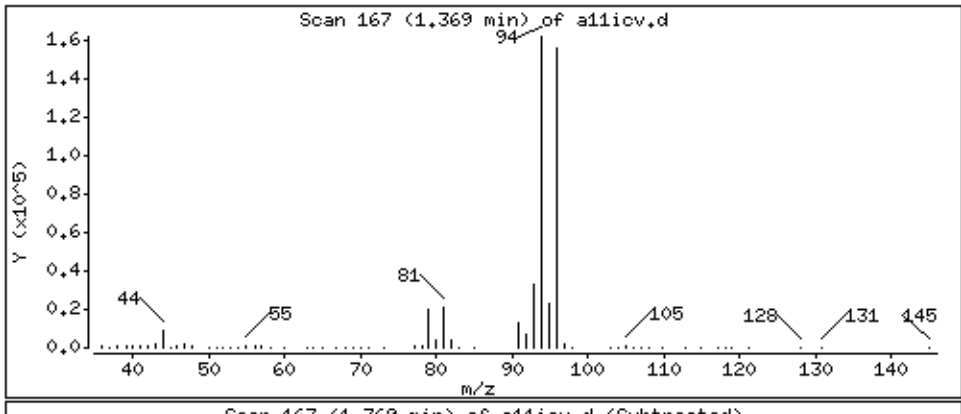
Operator: rsw

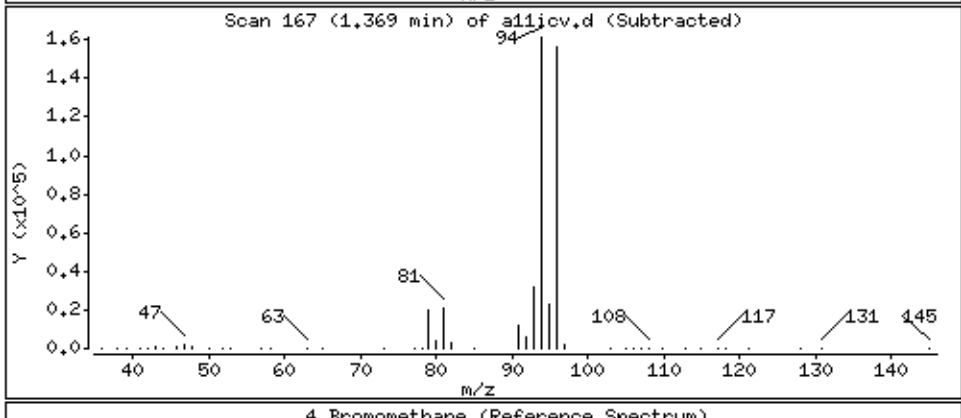
Column phase: DB-624

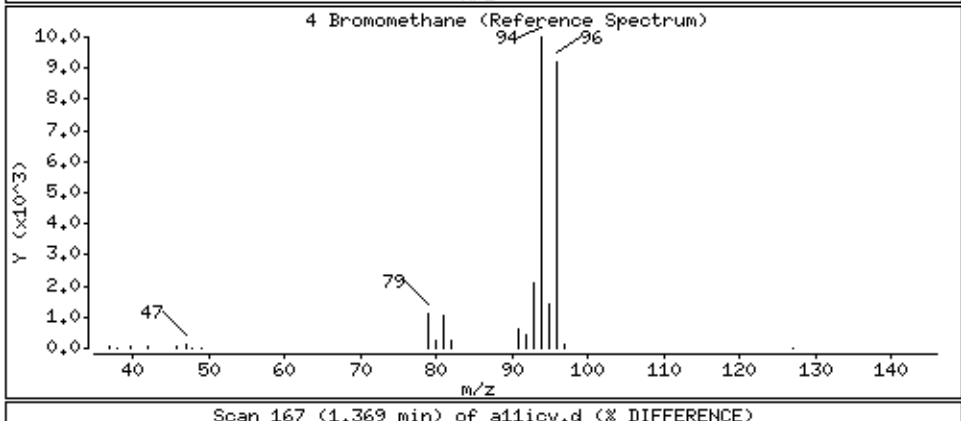
Column diameter: 0.18

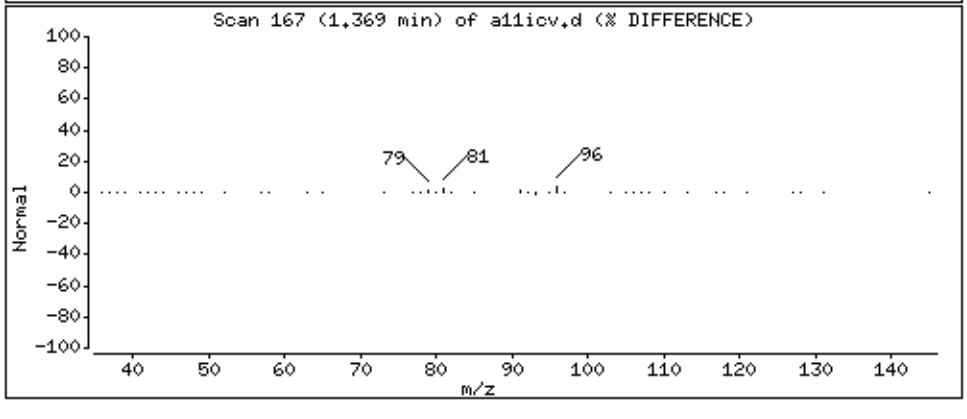
4 Bromomethane

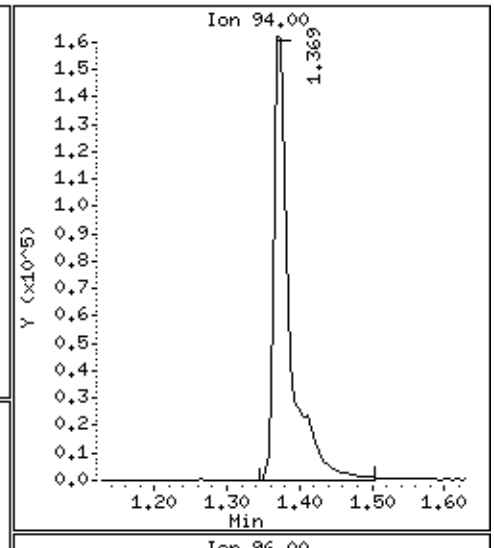
Concentration: 104 ppb

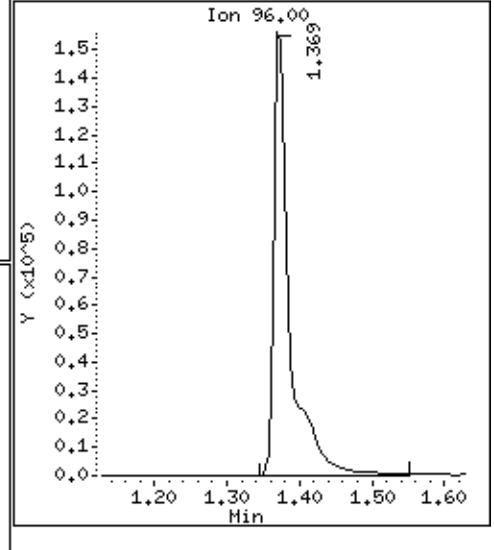












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

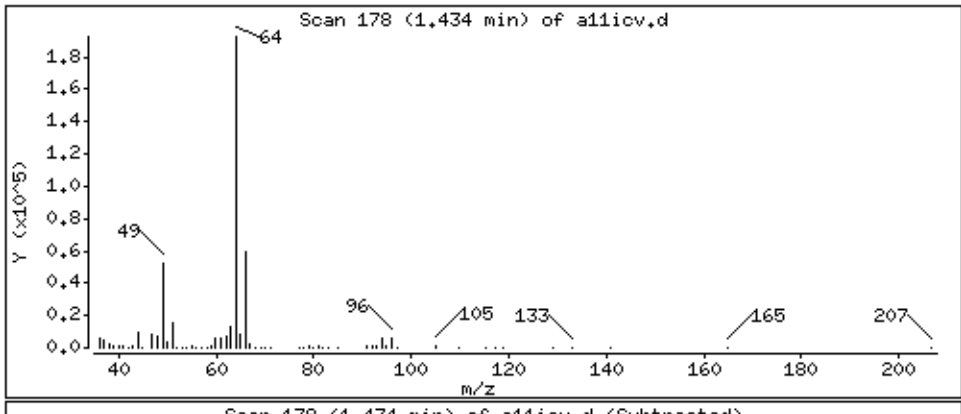
Operator: rsw

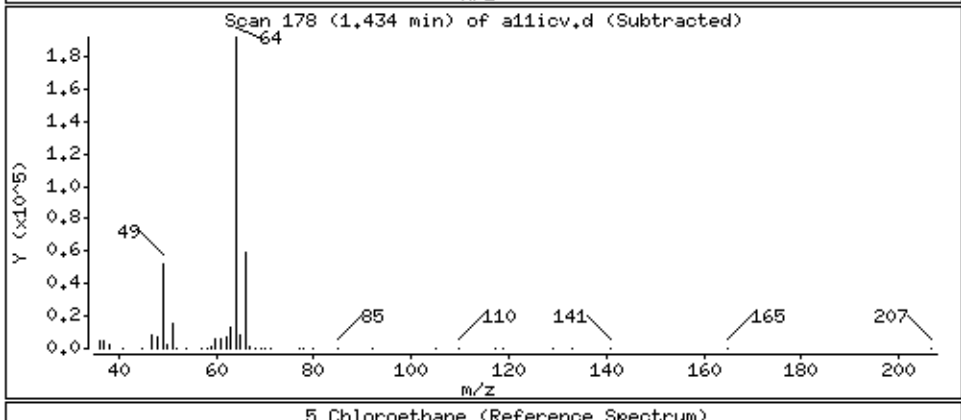
Column phase: DB-624

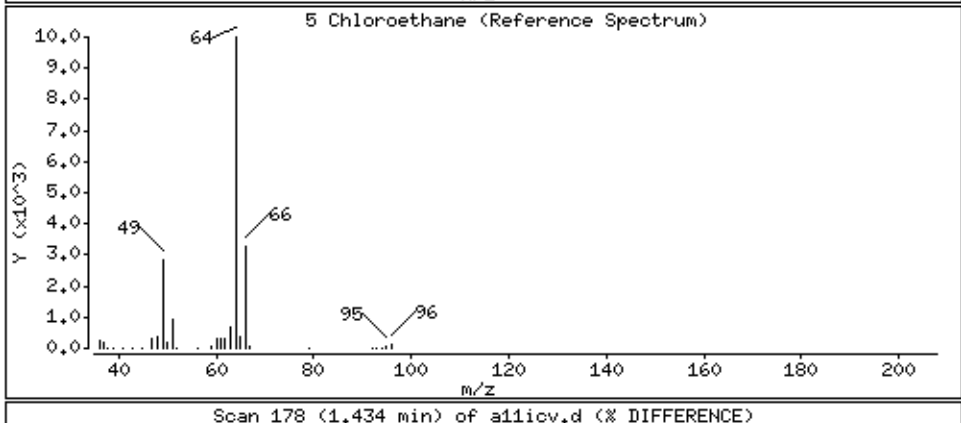
Column diameter: 0.18

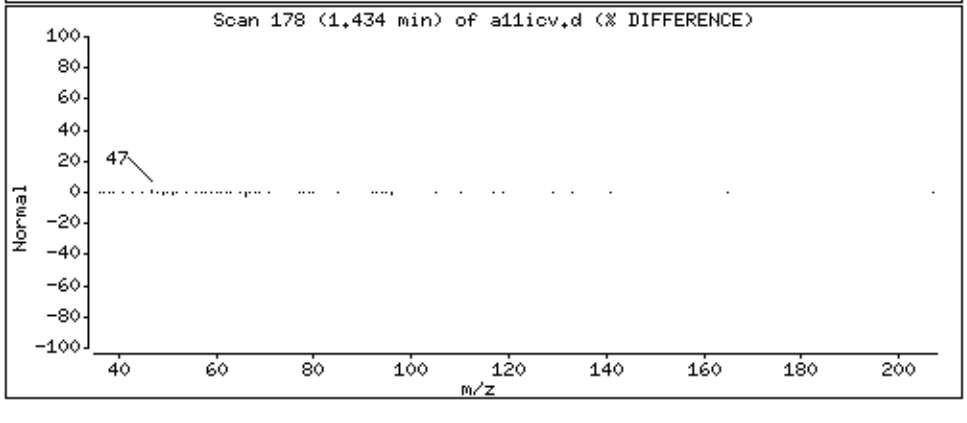
5 Chloroethane

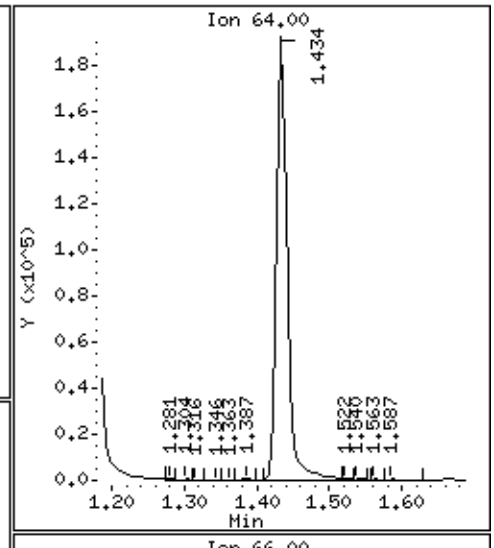
Concentration: 53.8 ppb

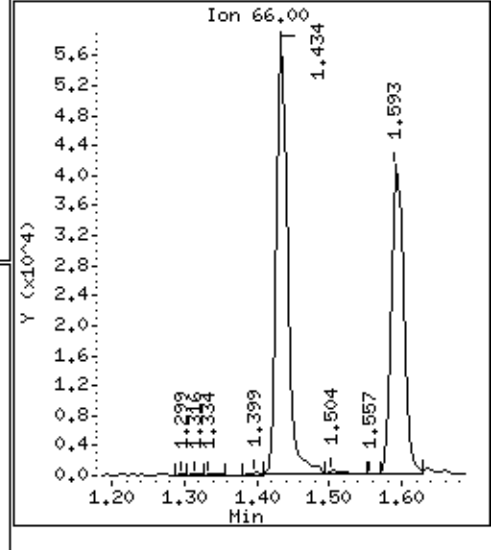












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Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

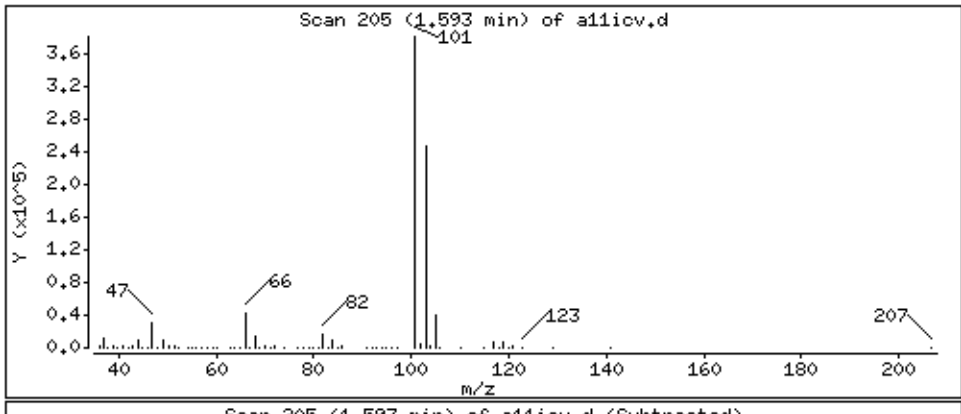
Operator: rsw

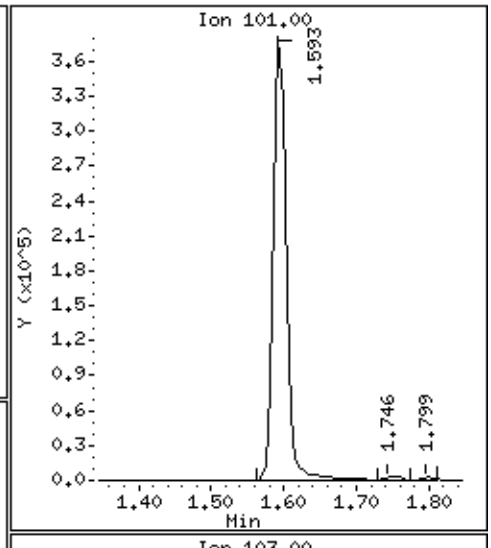
Column phase: DB-624

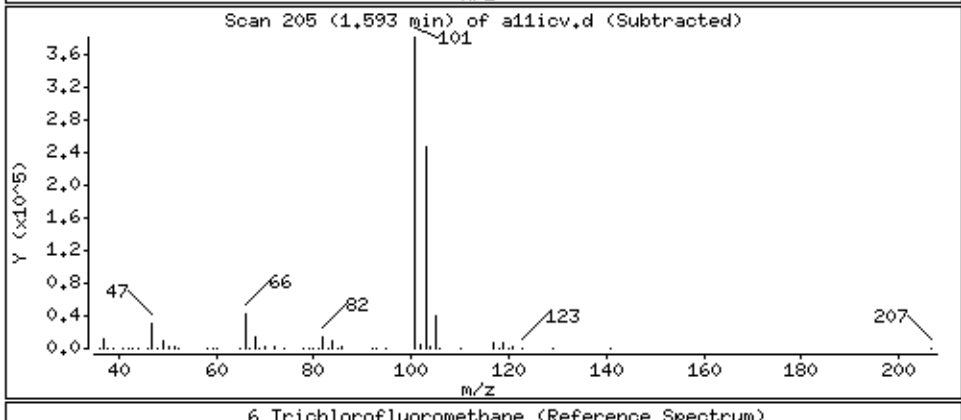
Column diameter: 0.18

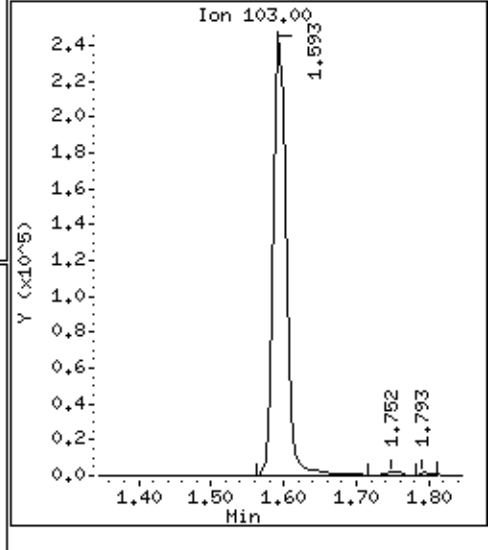
6 Trichlorofluoromethane

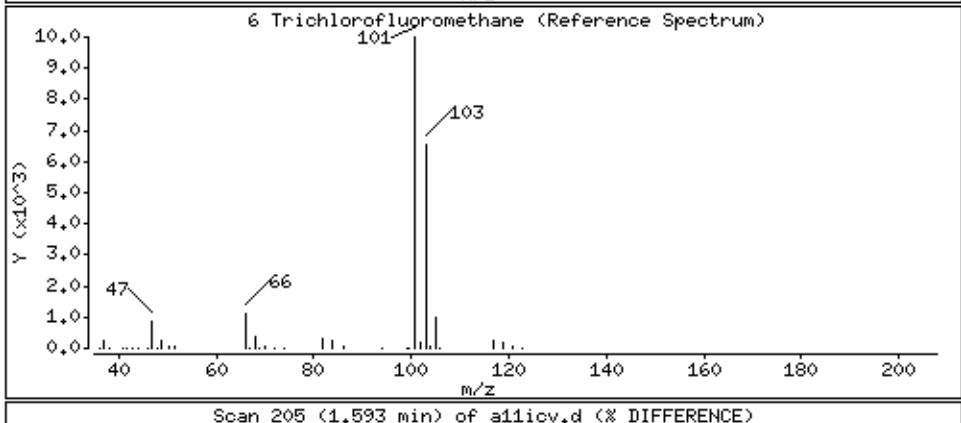
Concentration: 53.4 ppb

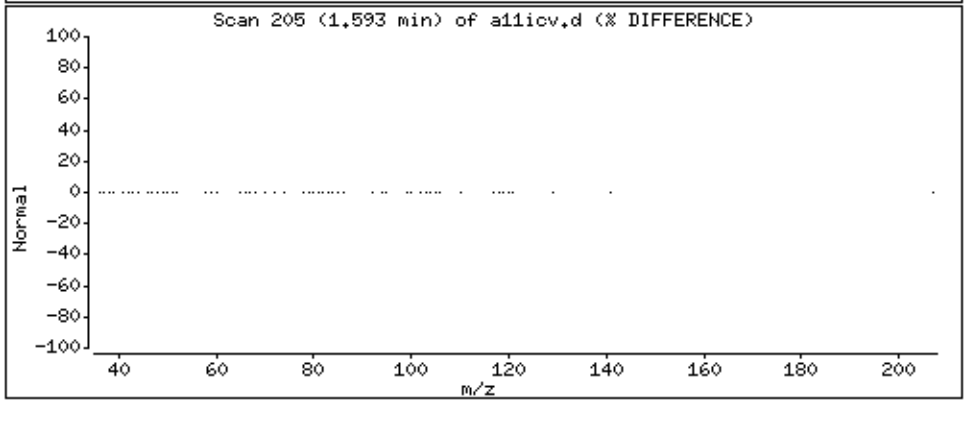












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

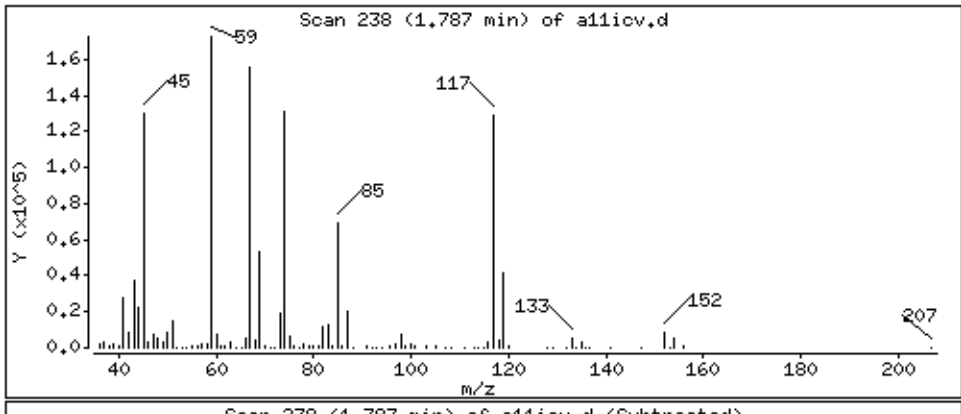
Operator: rsw

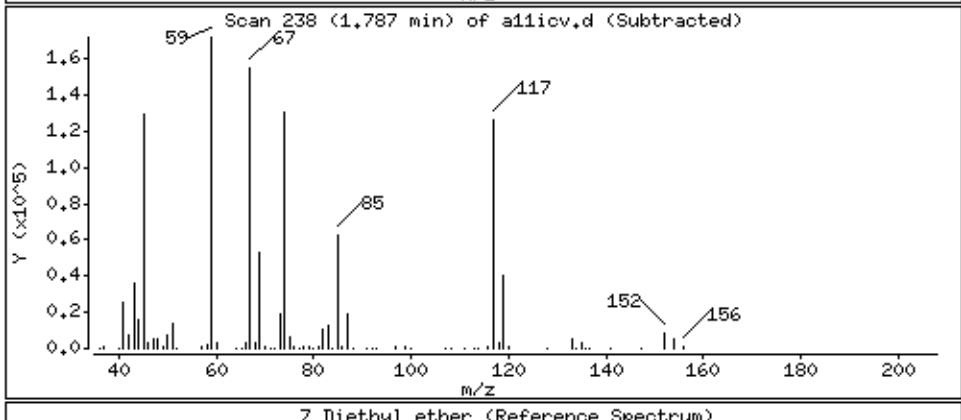
Column phase: DB-624

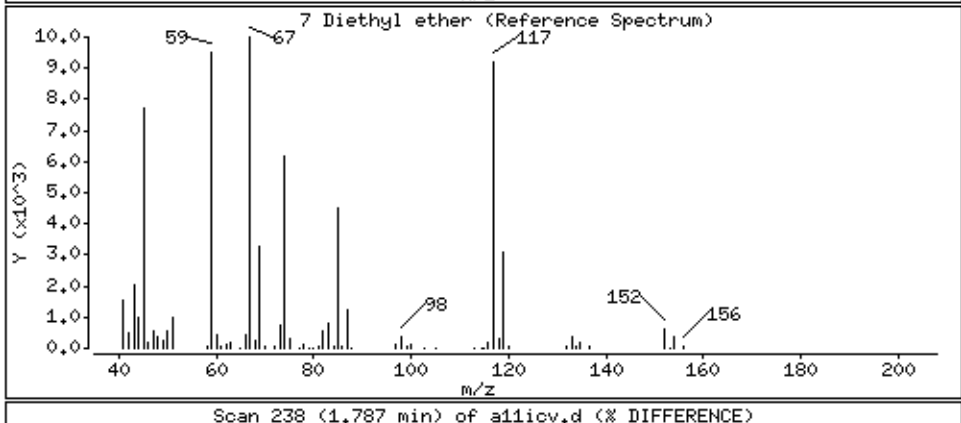
Column diameter: 0.18

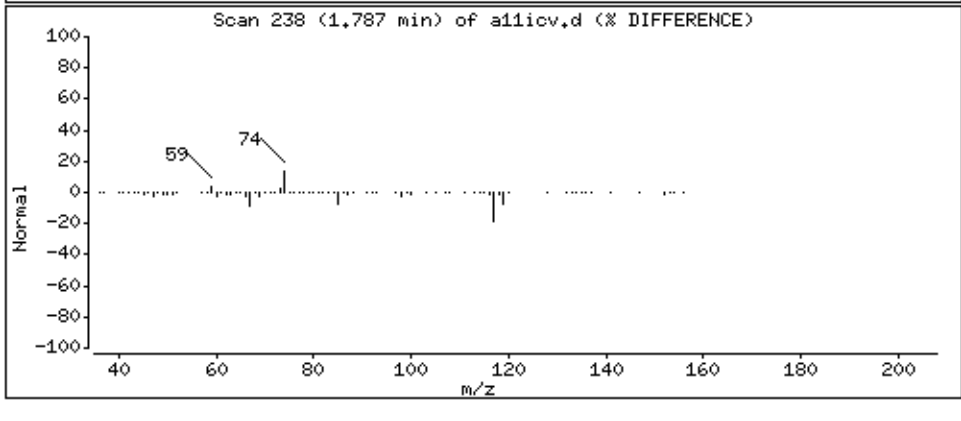
7 Diethyl ether

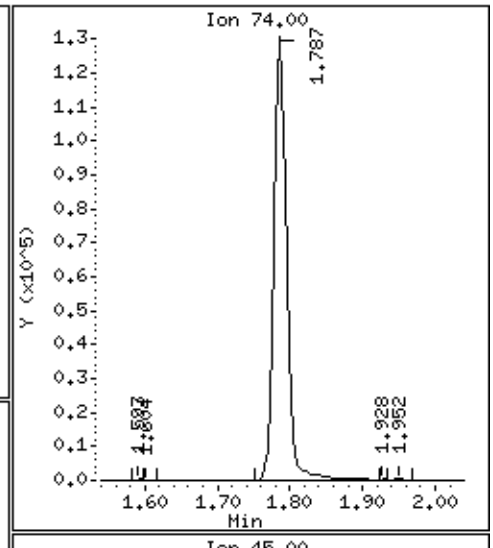
Concentration: 57.2 ppb

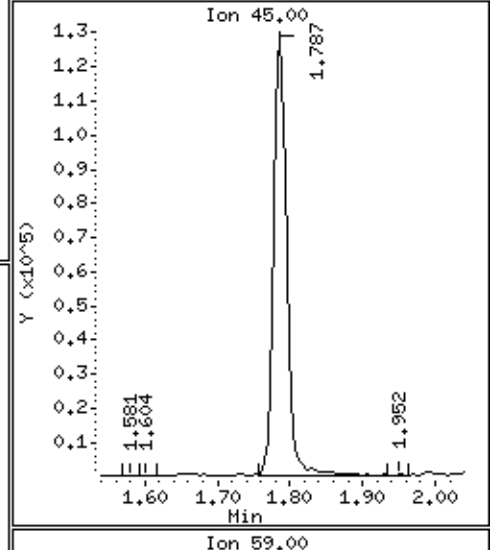


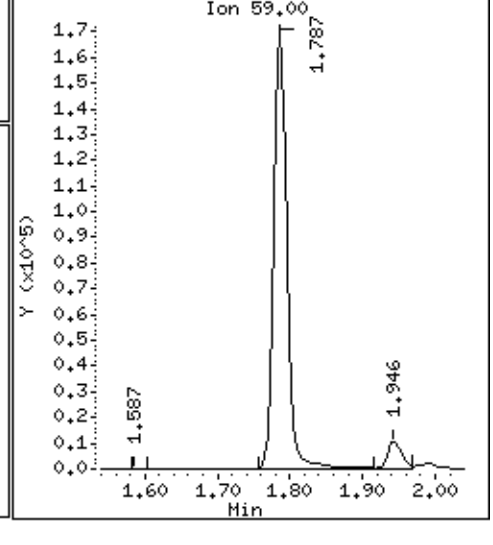












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

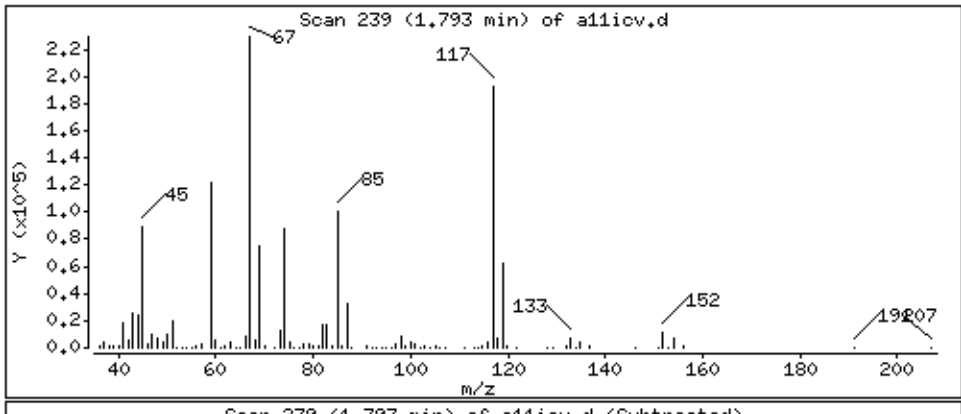
Operator: rsw

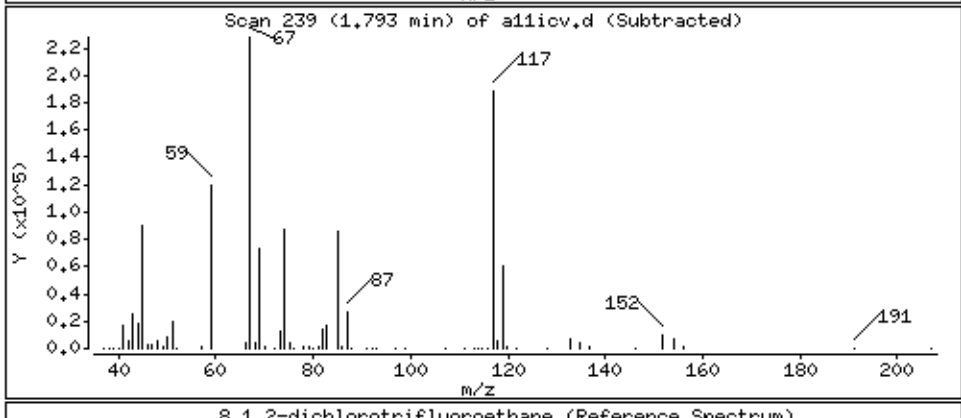
Column phase: DB-624

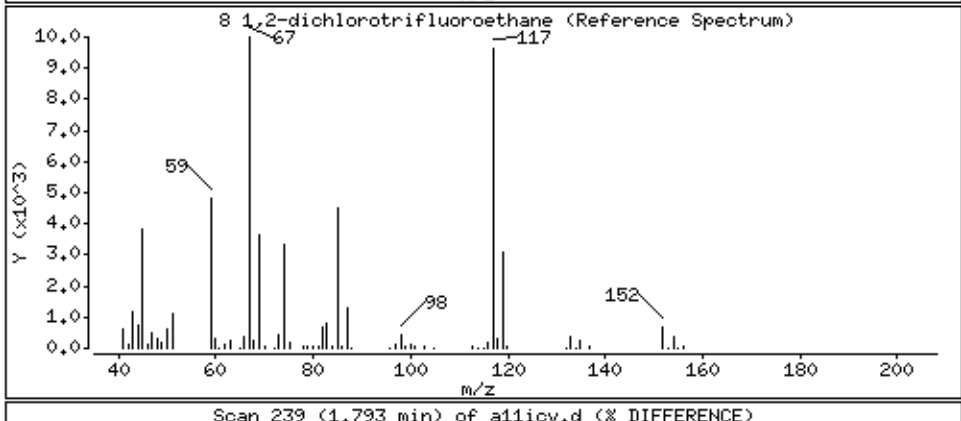
Column diameter: 0.18

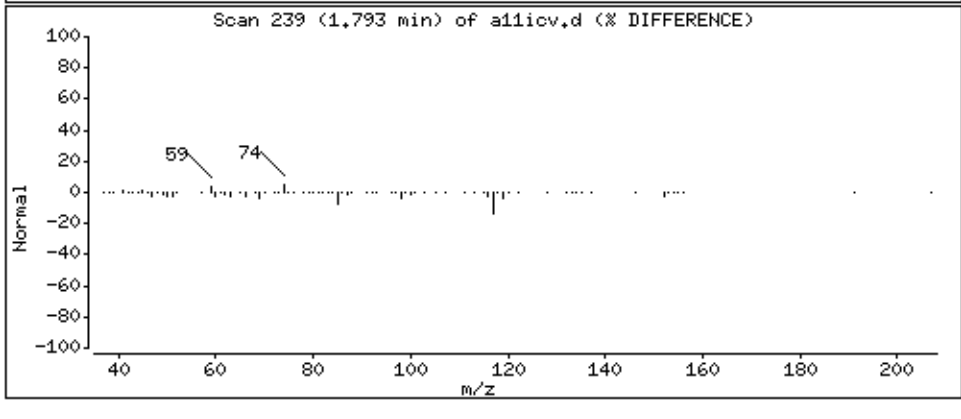
8 1,2-dichlorotrifluoroethane

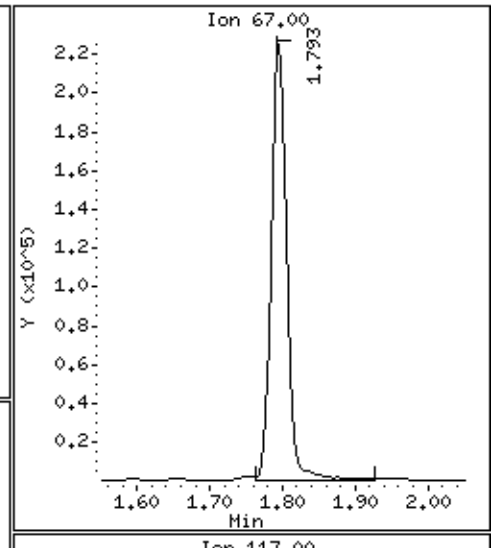
Concentration: 64.4 ppb

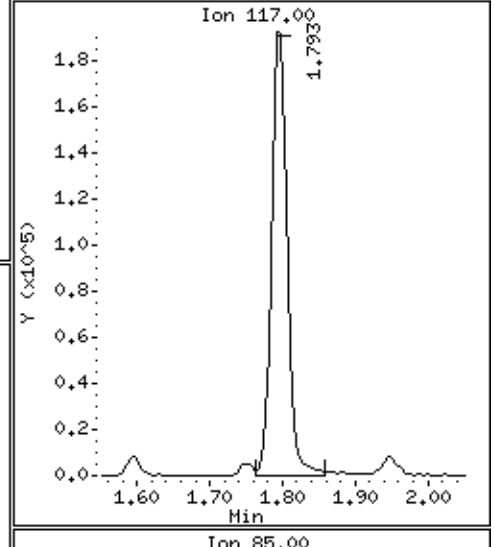


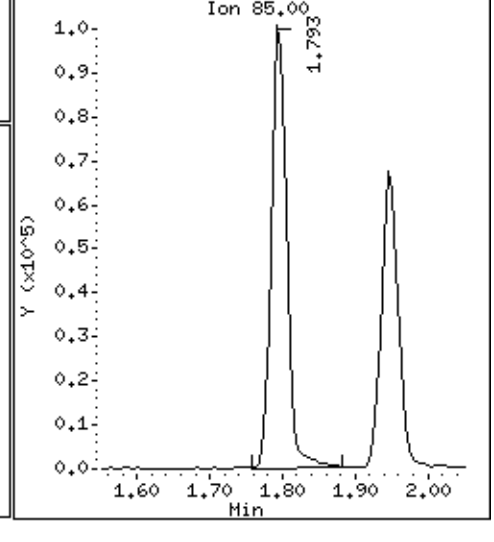












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

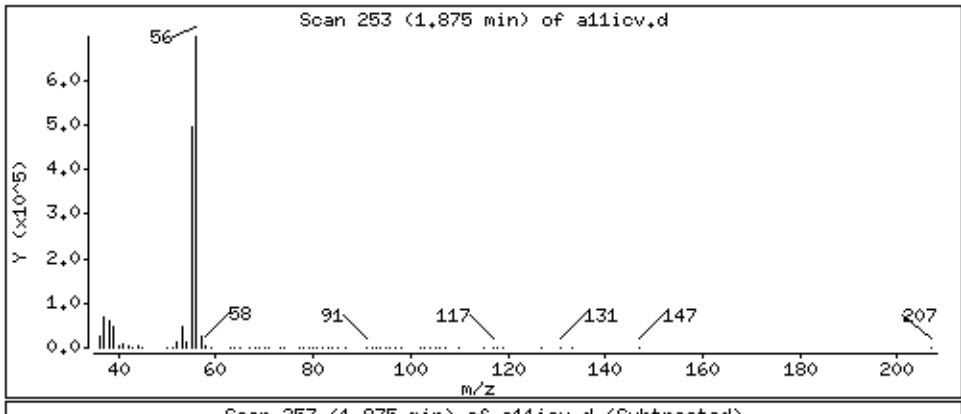
Operator: rsw

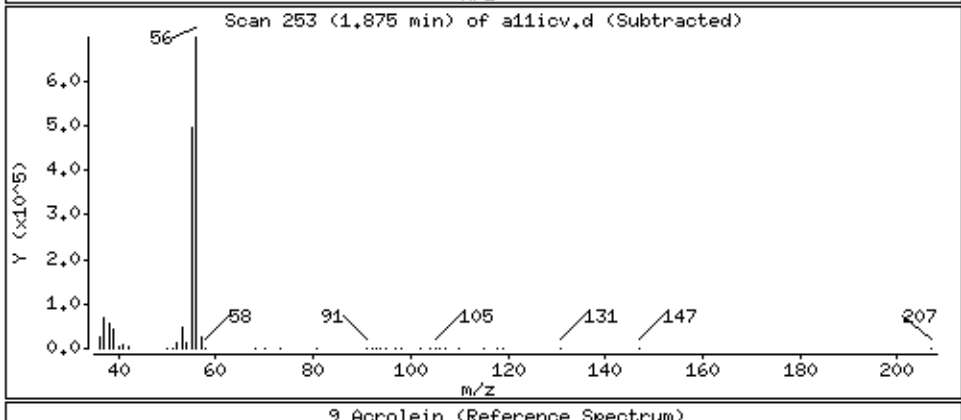
Column phase: DB-624

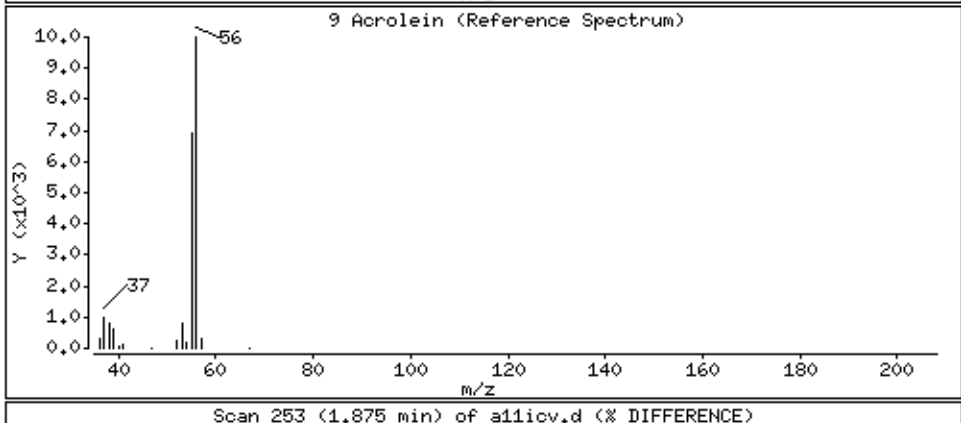
Column diameter: 0.18

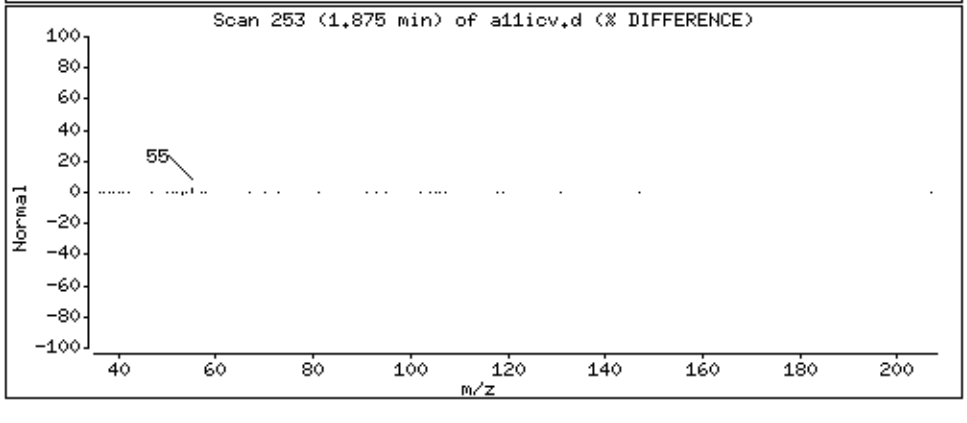
9 Acrolein

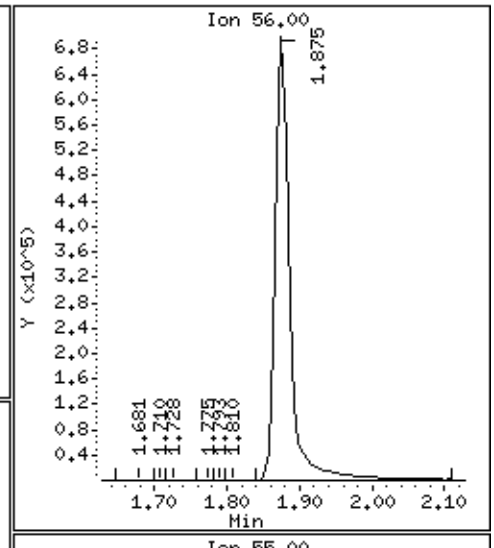
Concentration: 1440 ppb

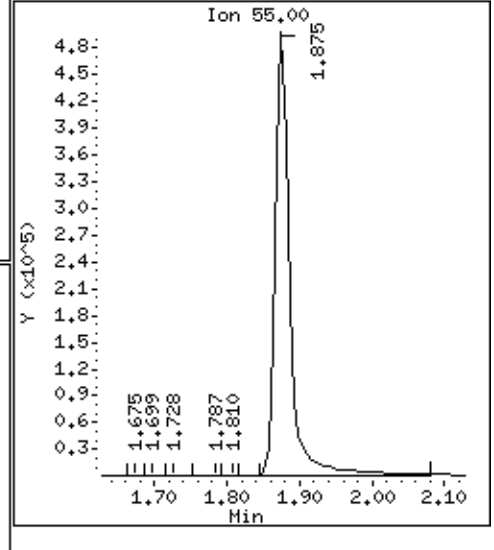












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

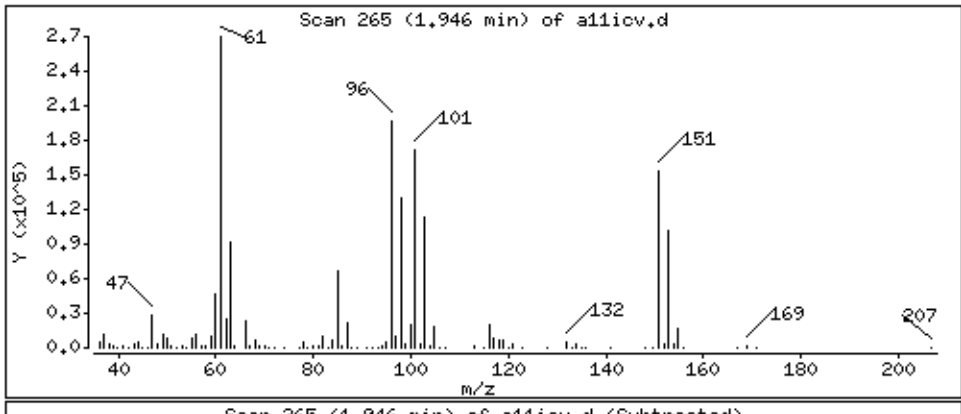
Operator: rsw

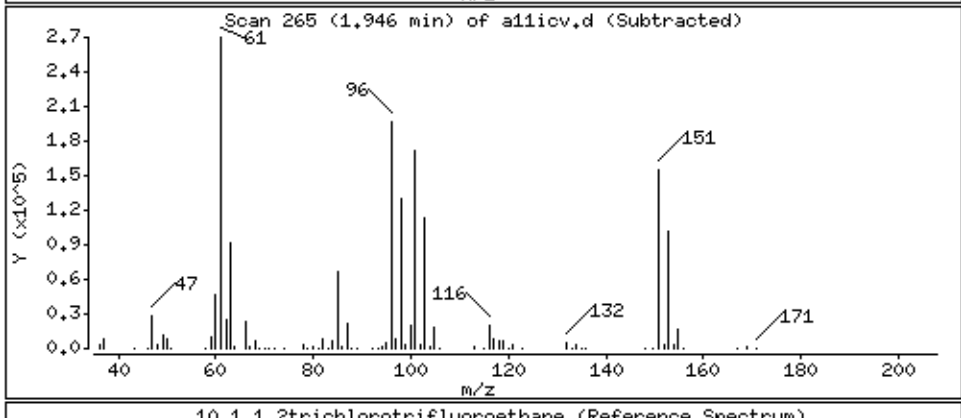
Column phase: DB-624

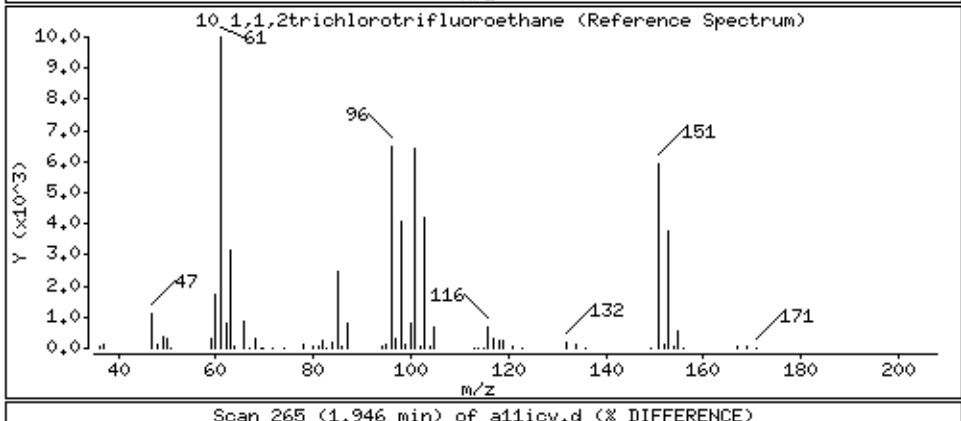
Column diameter: 0.18

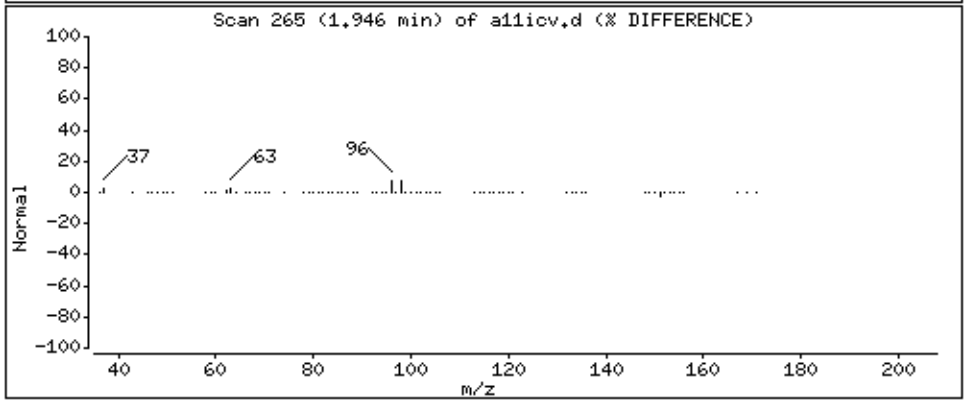
10 1,1,2trichlorotrifluoroethane

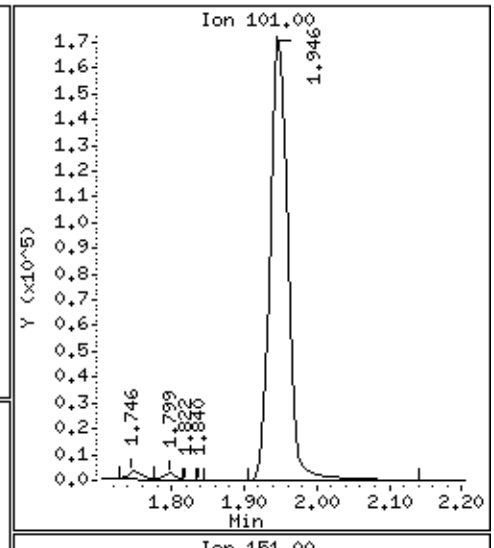
Concentration: 56.6 ppb

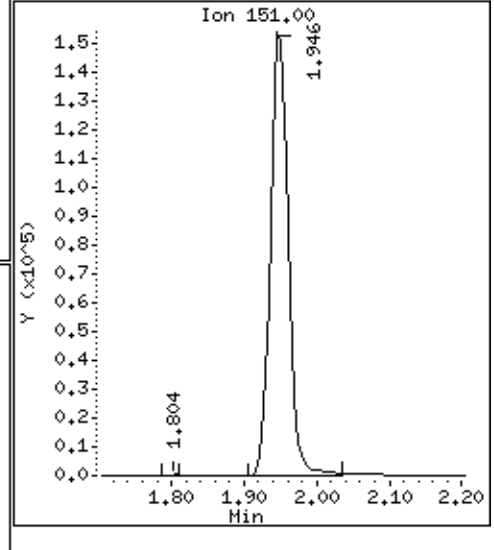












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

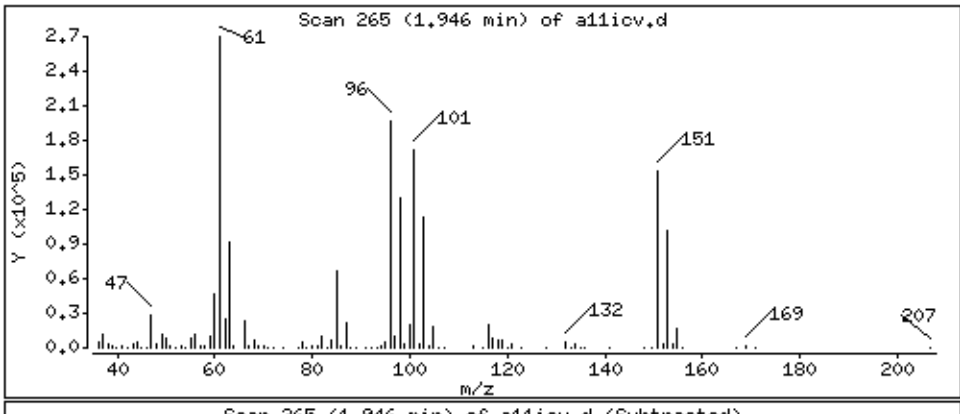
Operator: rsw

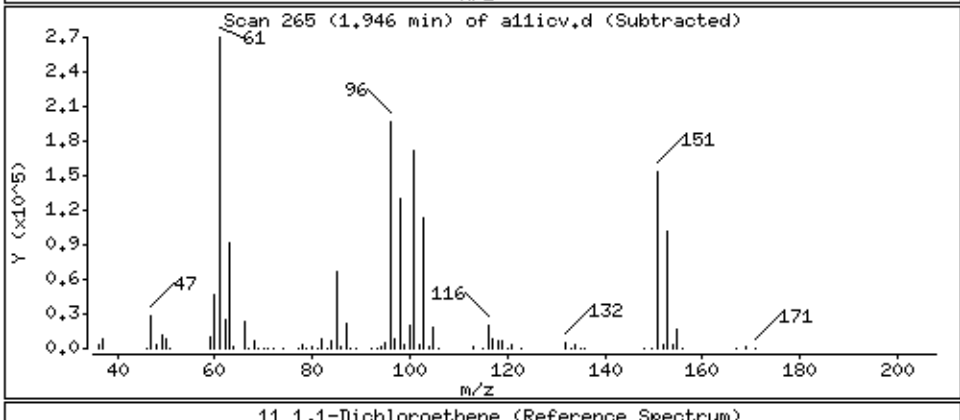
Column phase: DB-624

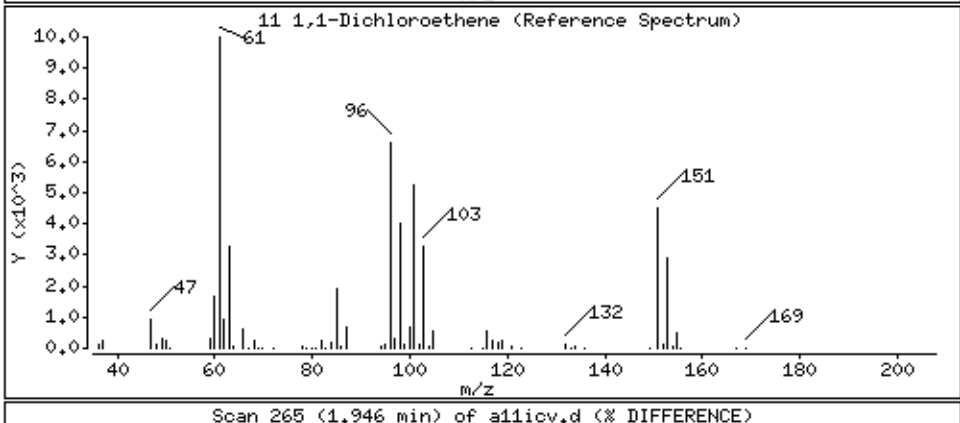
Column diameter: 0.18

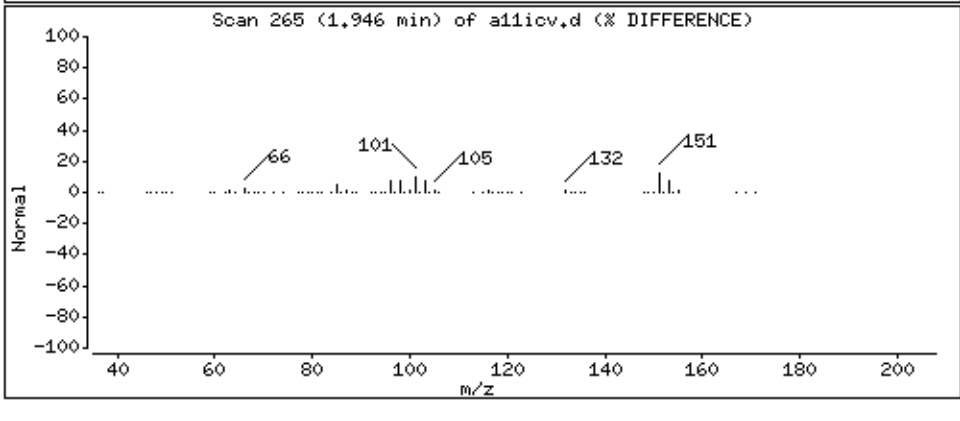
11 1,1-Dichloroethene

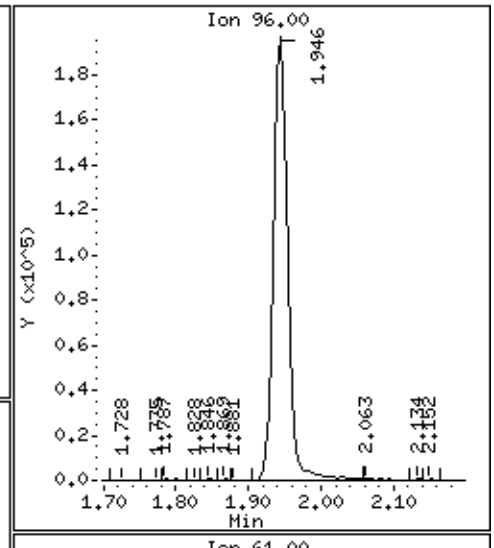
Concentration: 56.0 ppb

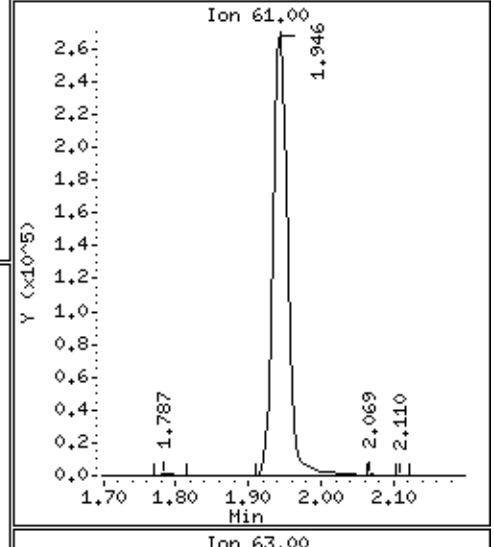


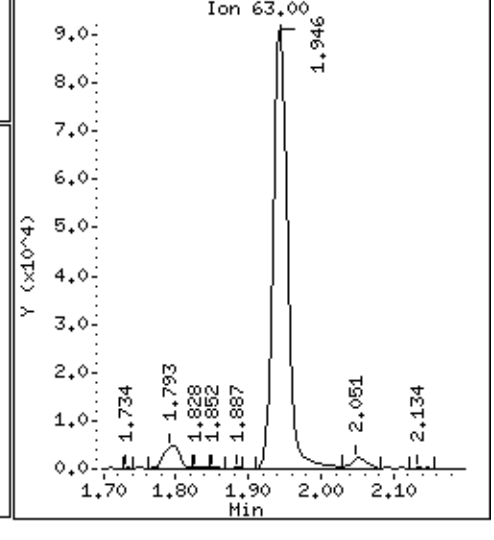












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

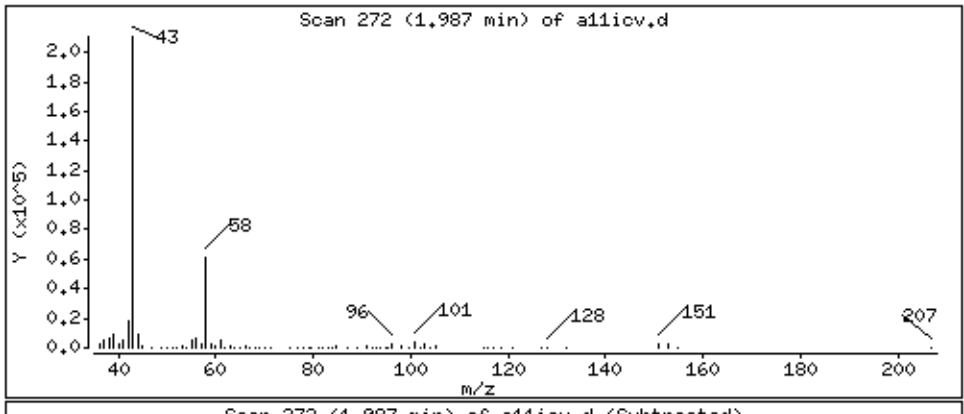
Operator: rsw

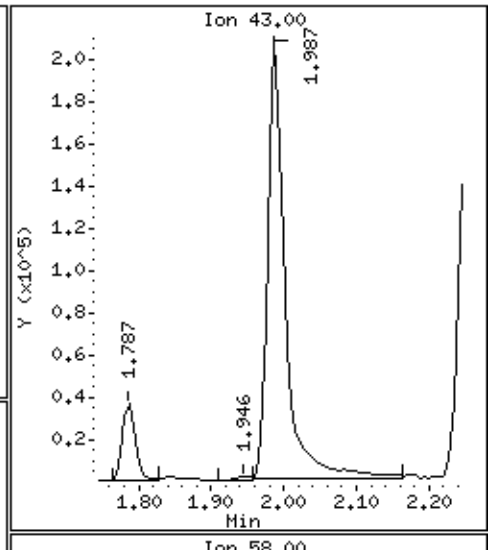
Column phase: DB-624

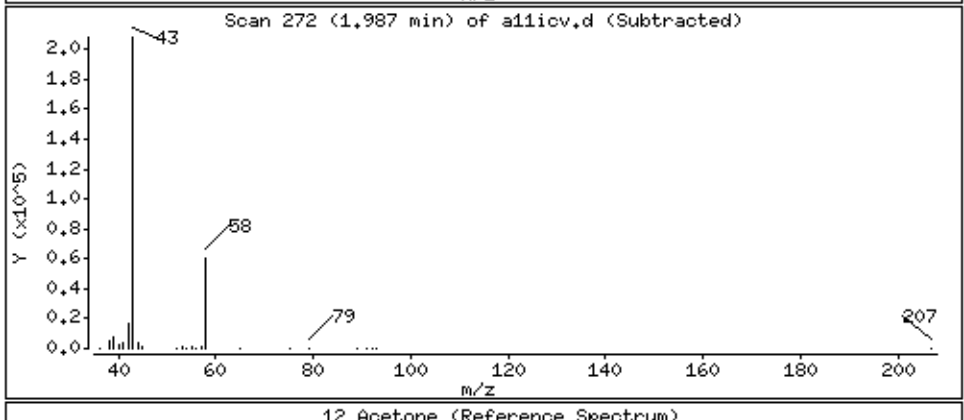
Column diameter: 0.18

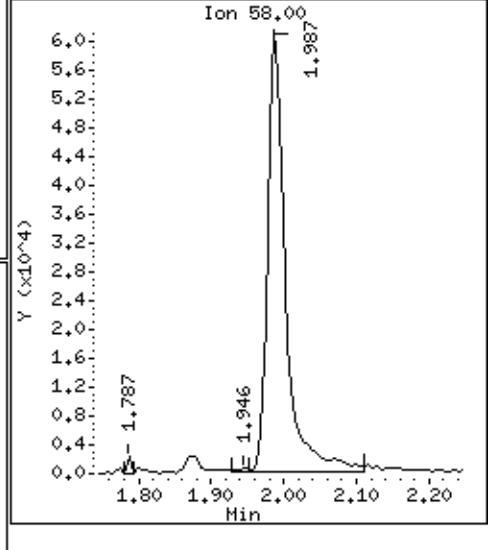
12 Acetone

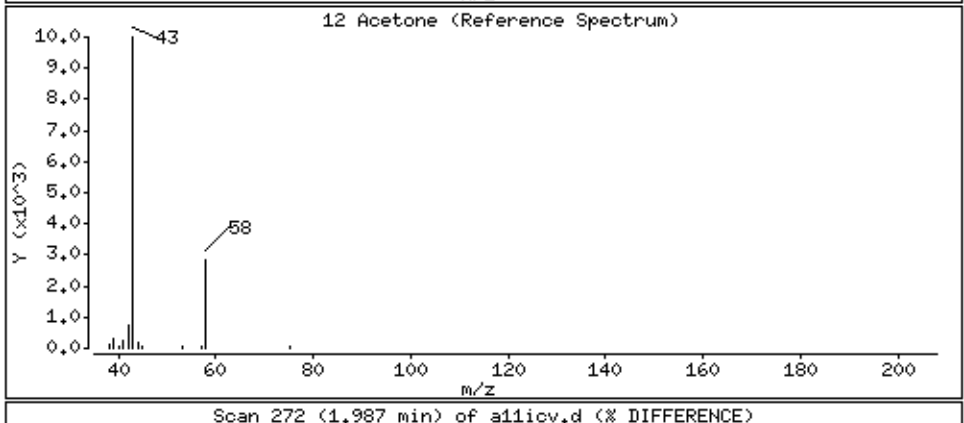
Concentration: 311 ppb

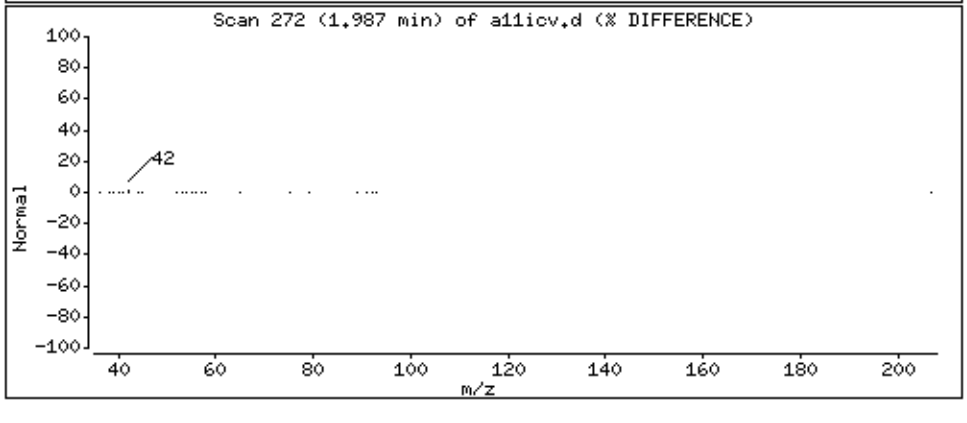












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

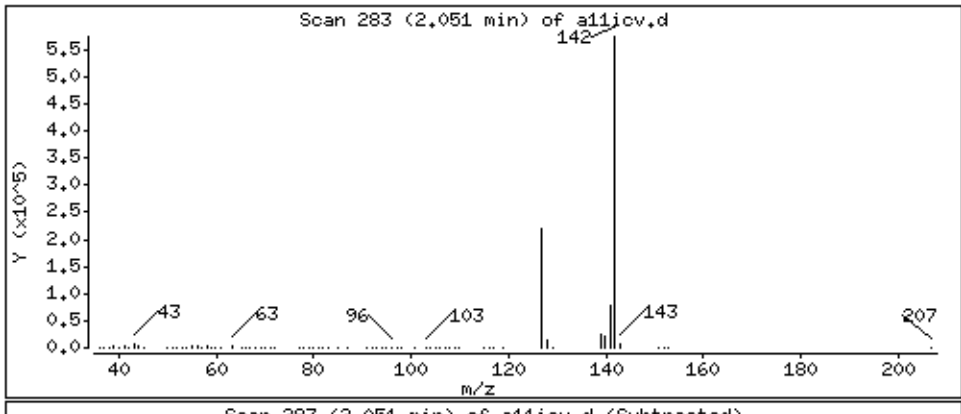
Operator: rsw

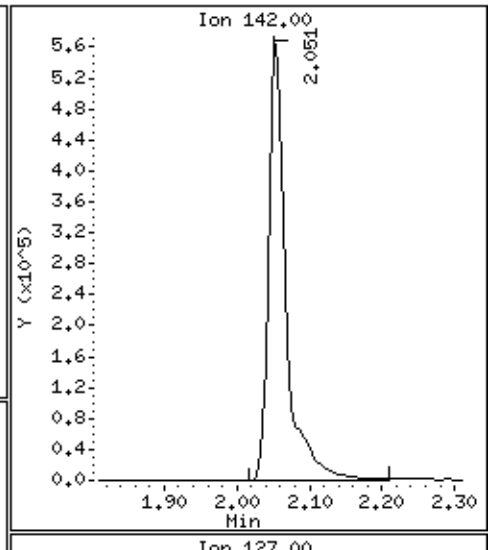
Column phase: DB-624

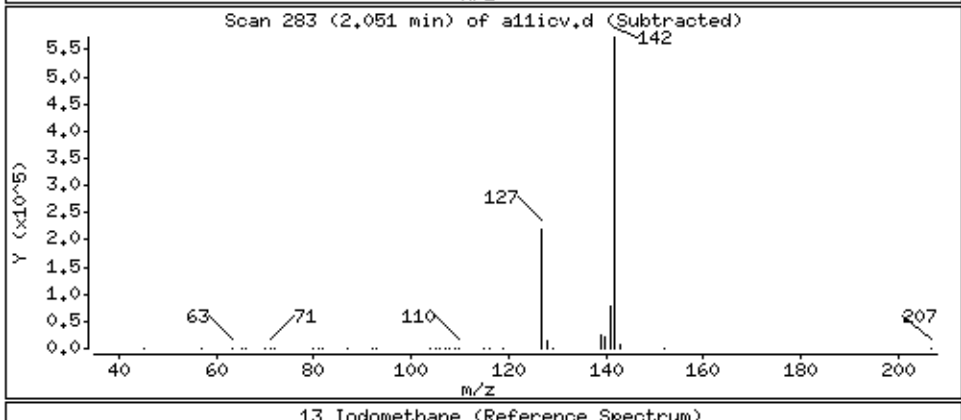
Column diameter: 0.18

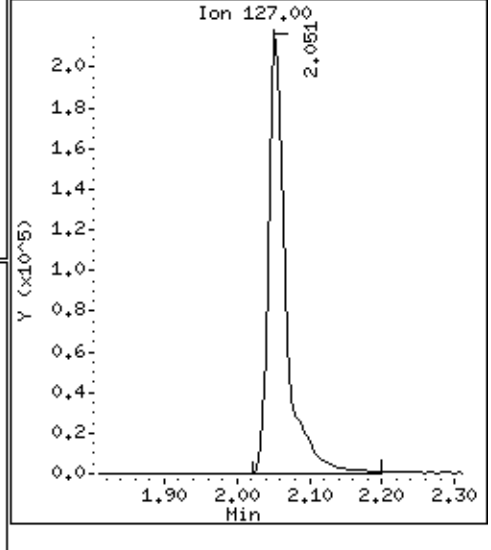
13 Iodomethane

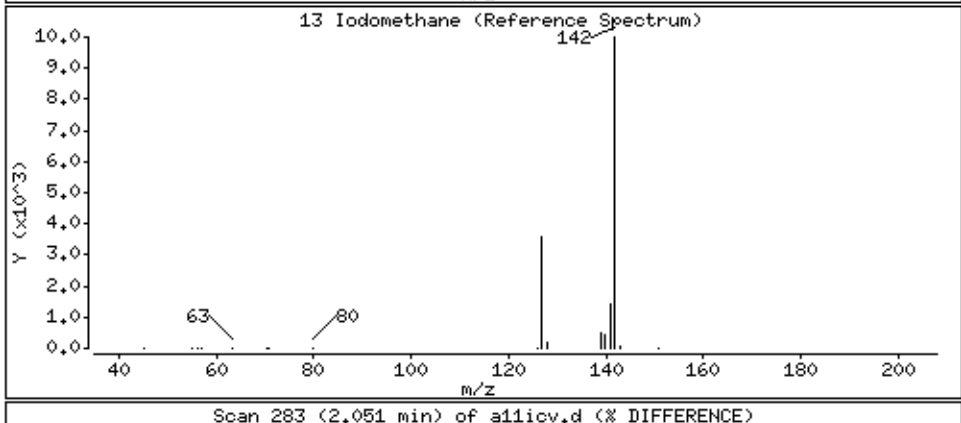
Concentration: 138 ppb

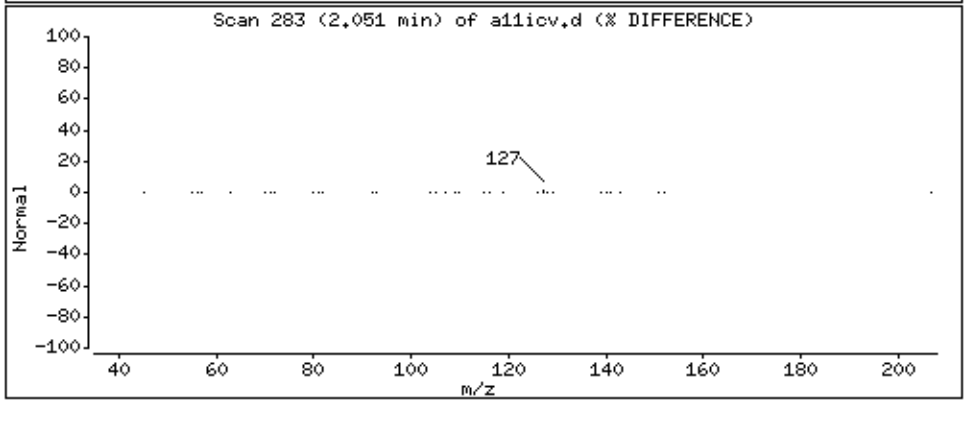












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

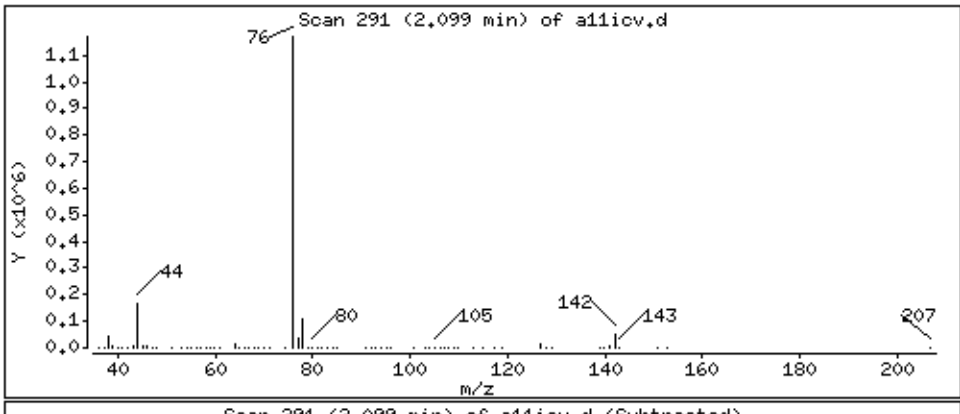
Operator: rsw

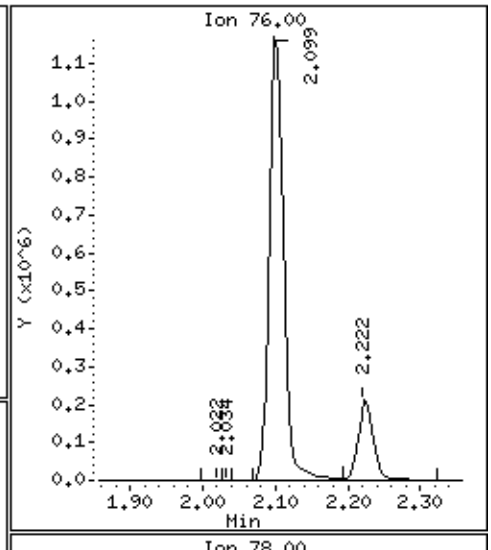
Column phase: DB-624

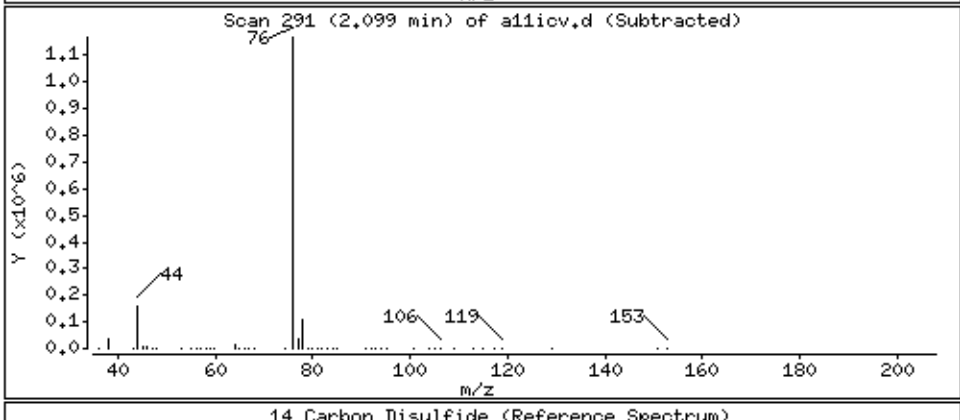
Column diameter: 0.18

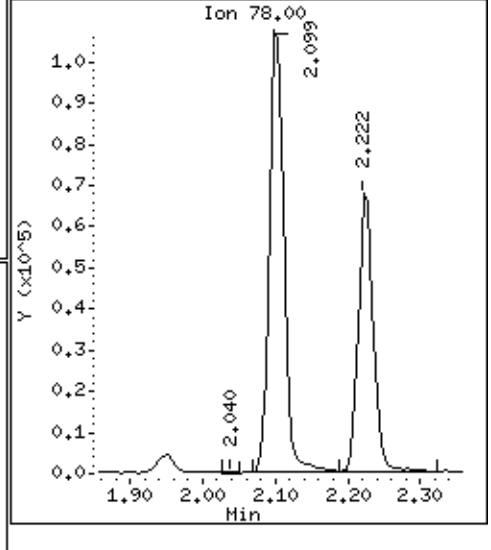
14 Carbon Disulfide

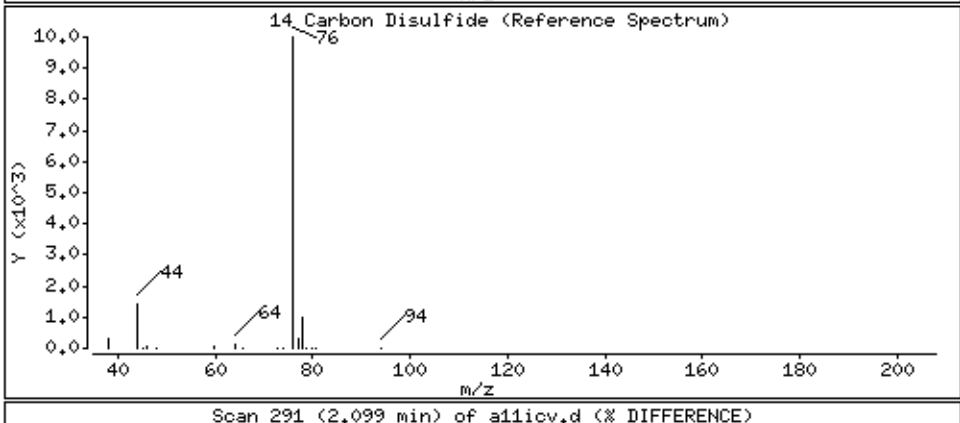
Concentration: 129 ppb

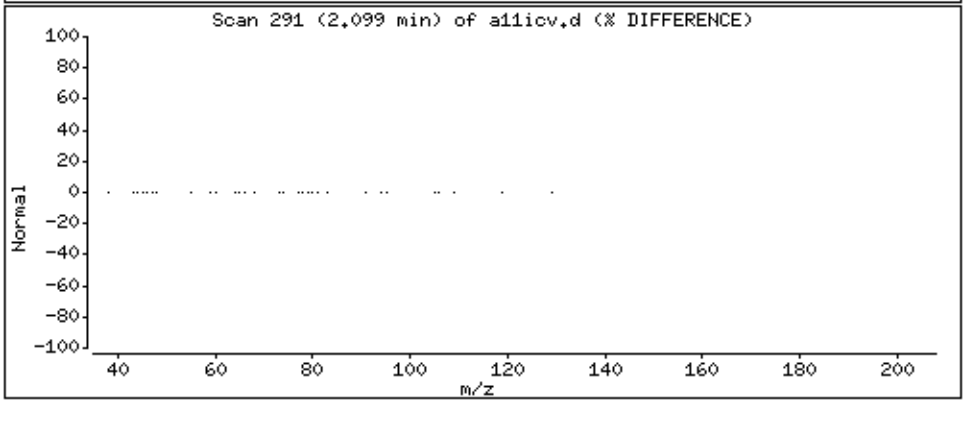












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

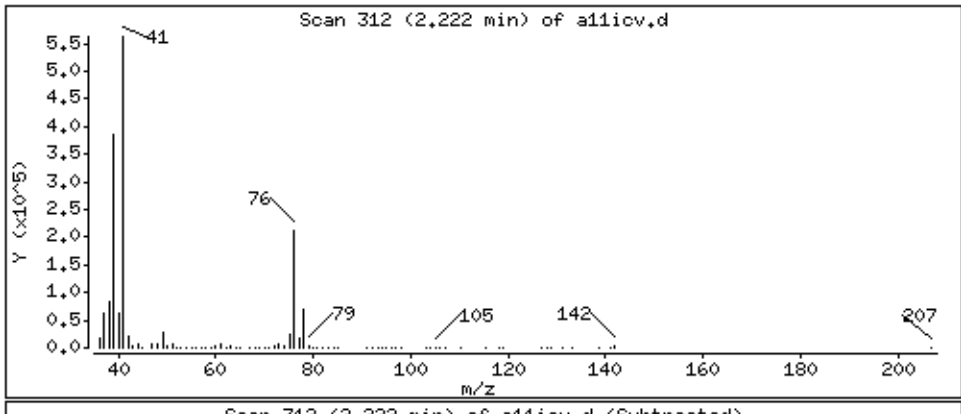
Operator: rsw

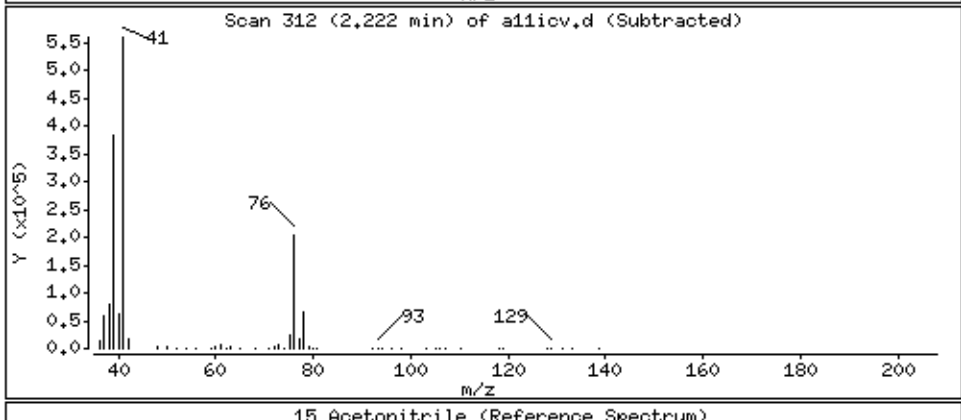
Column phase: DB-624

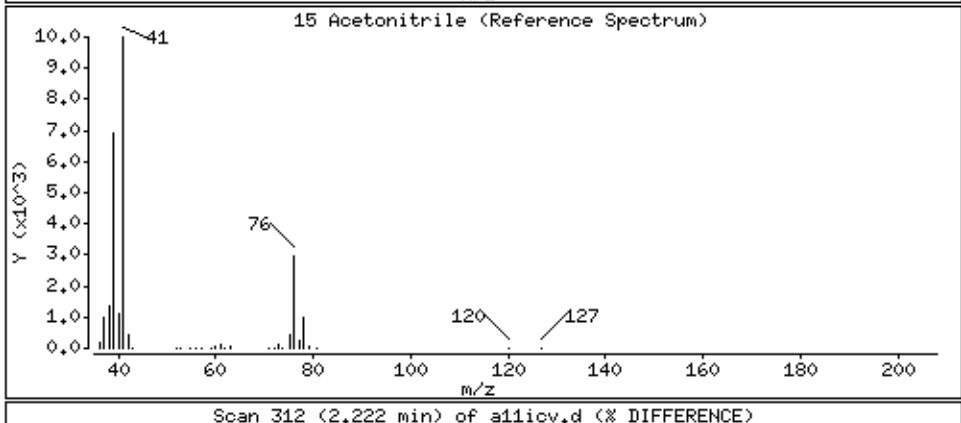
Column diameter: 0.18

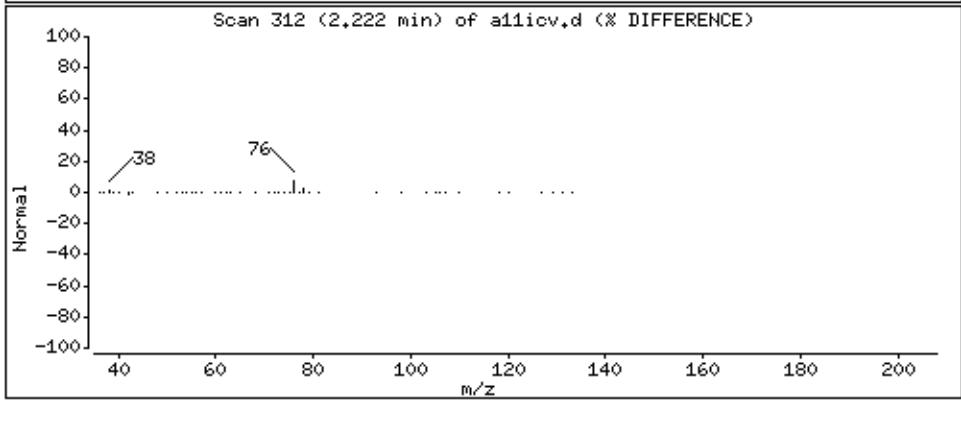
15 Acetonitrile

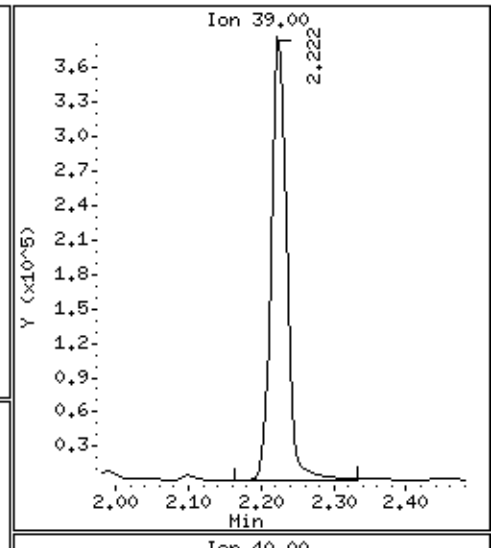
Concentration: 64.0 ppb

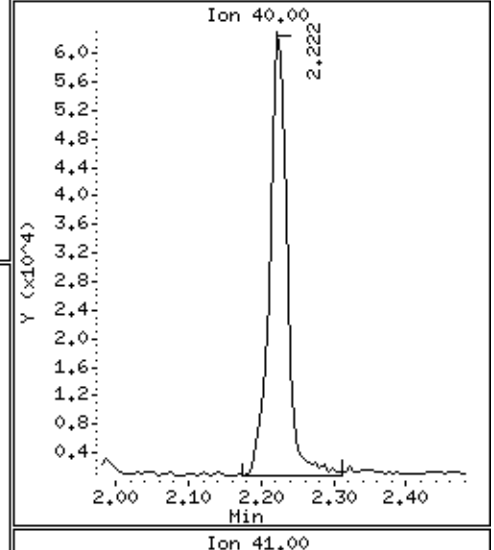


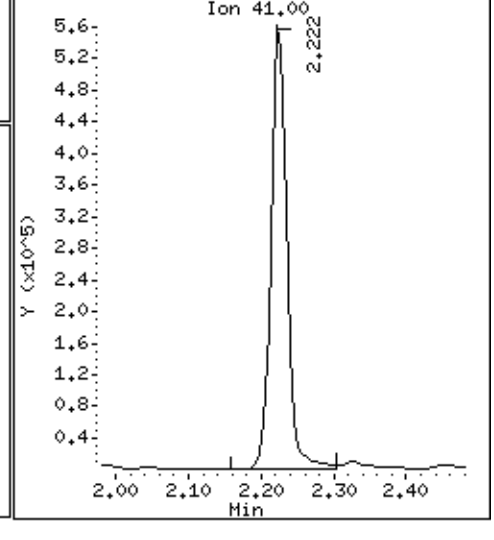












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

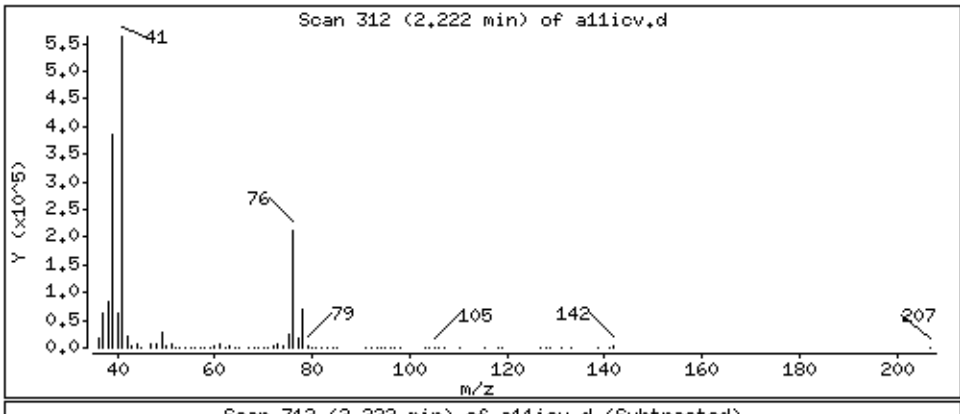
Operator: rsw

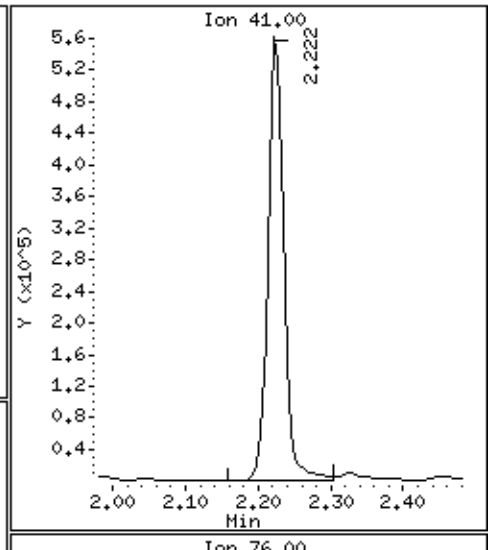
Column phase: DB-624

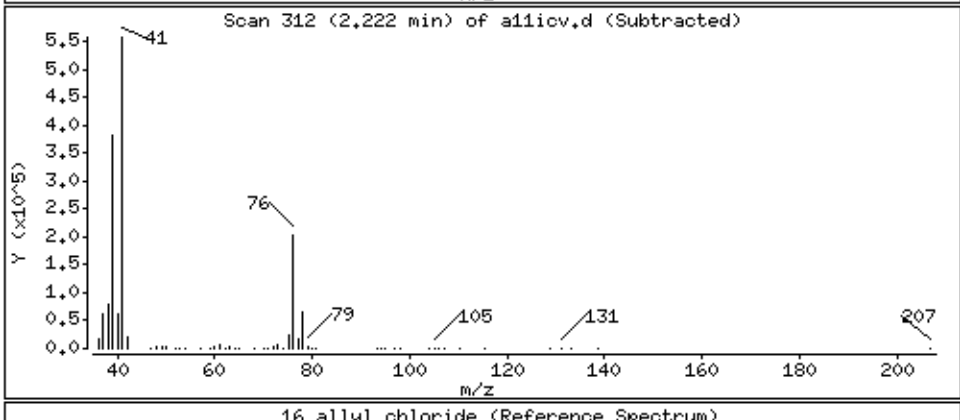
Column diameter: 0.18

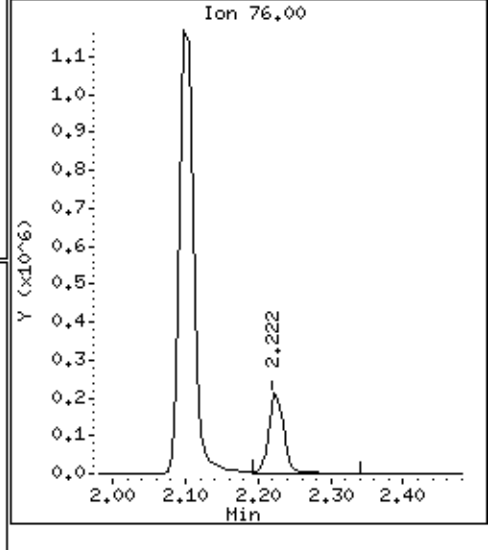
16 allyl chloride

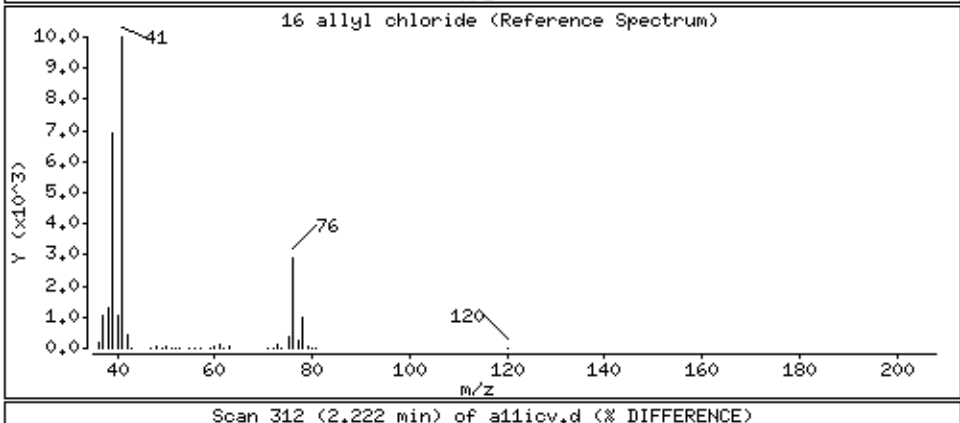
Concentration: 129 ppb

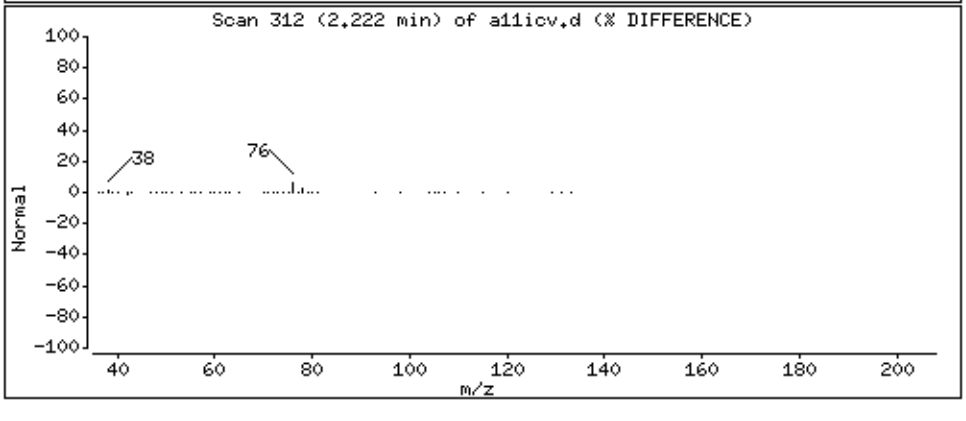












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

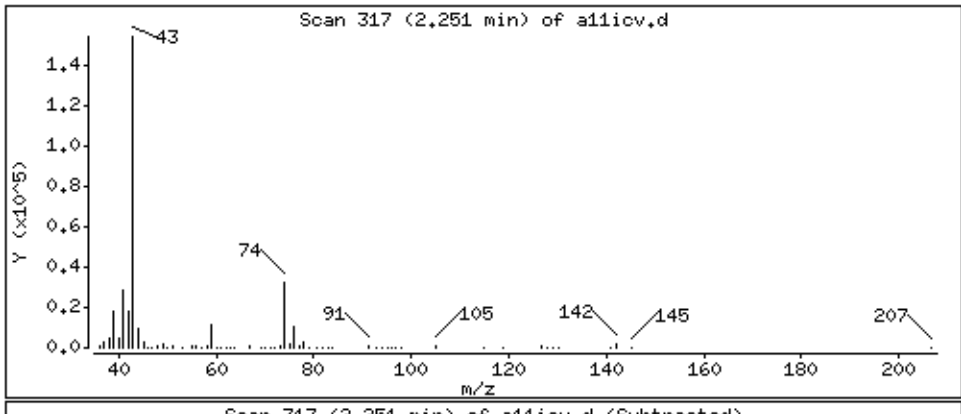
Operator: rsw

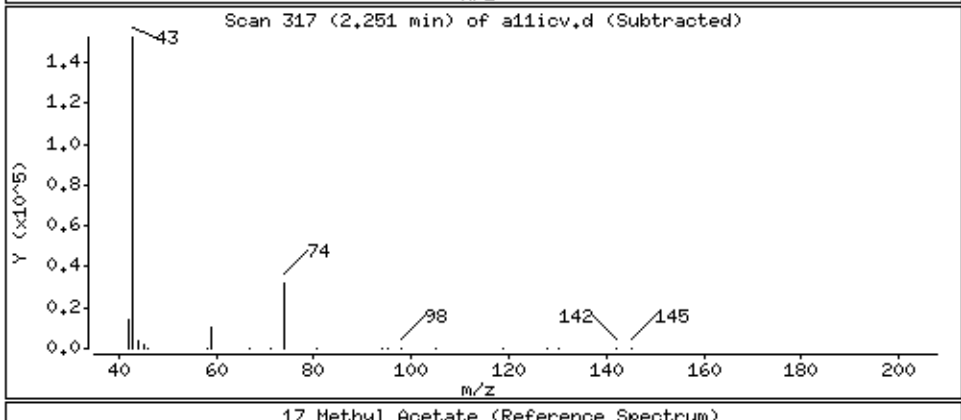
Column phase: DB-624

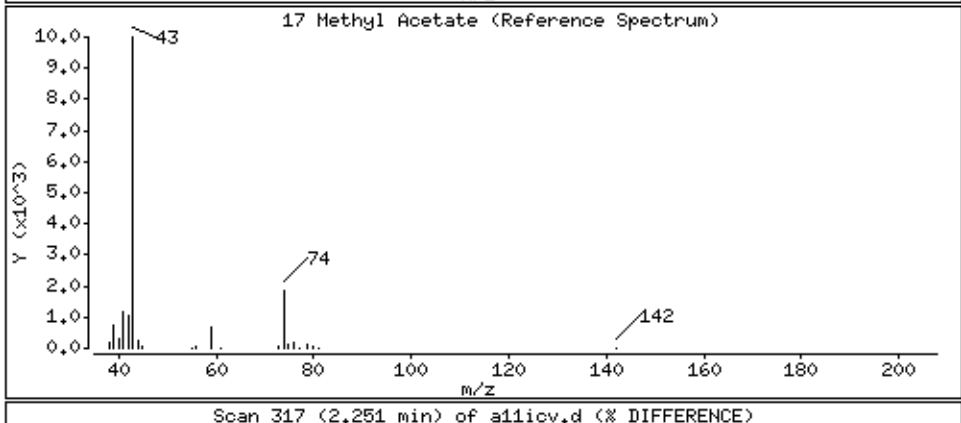
Column diameter: 0.18

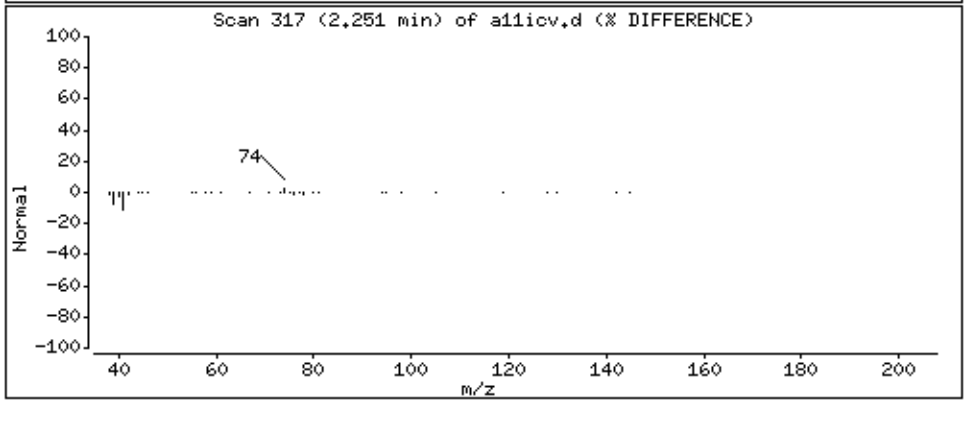
17 Methyl Acetate

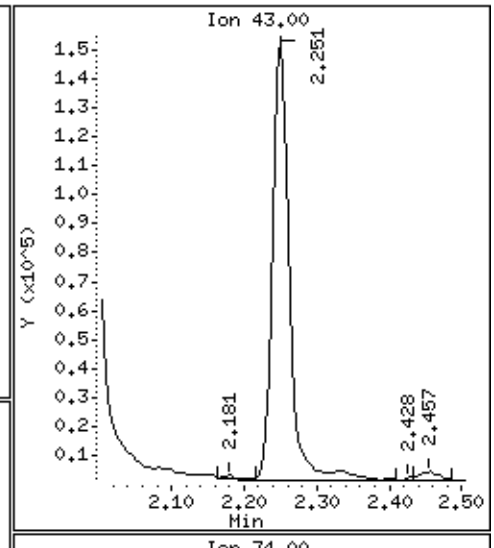
Concentration: 62.7 ppb

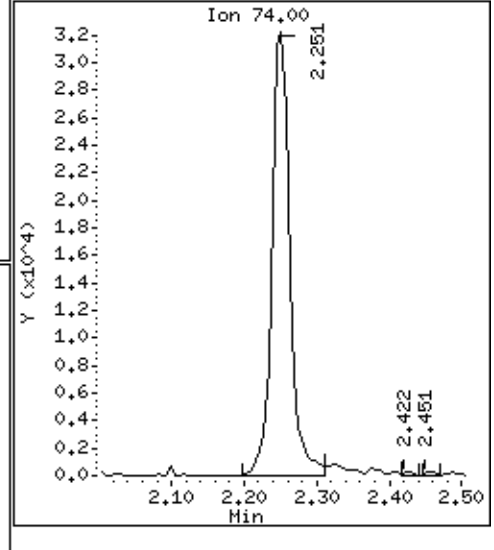












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

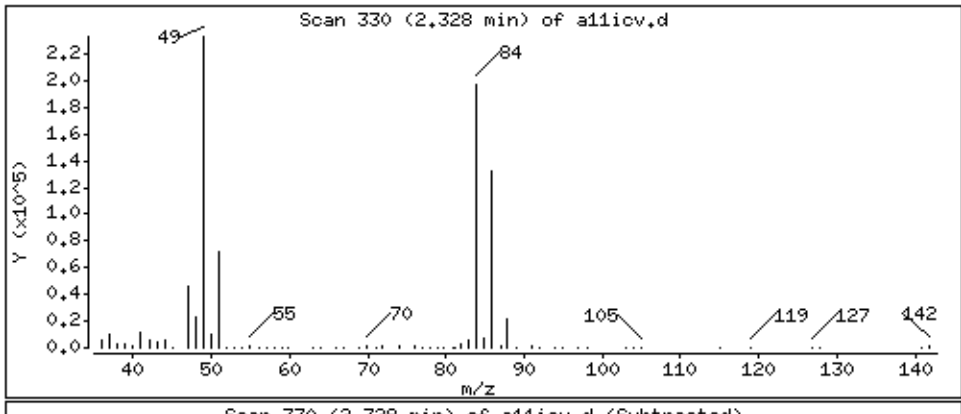
Operator: rsw

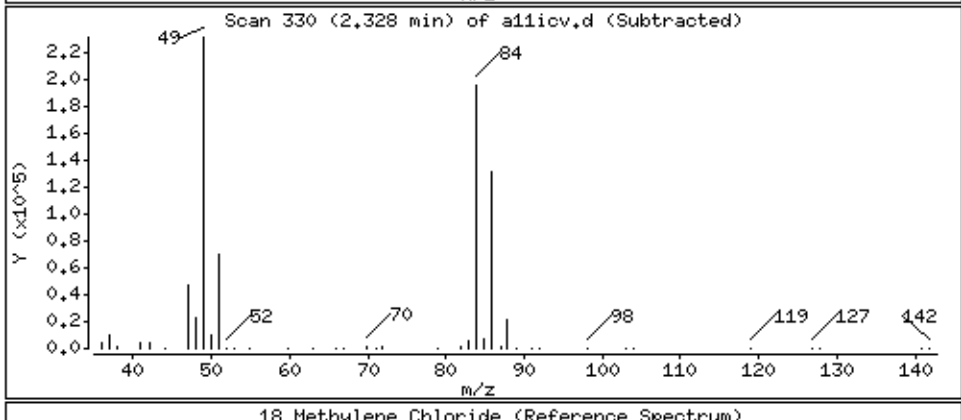
Column phase: DB-624

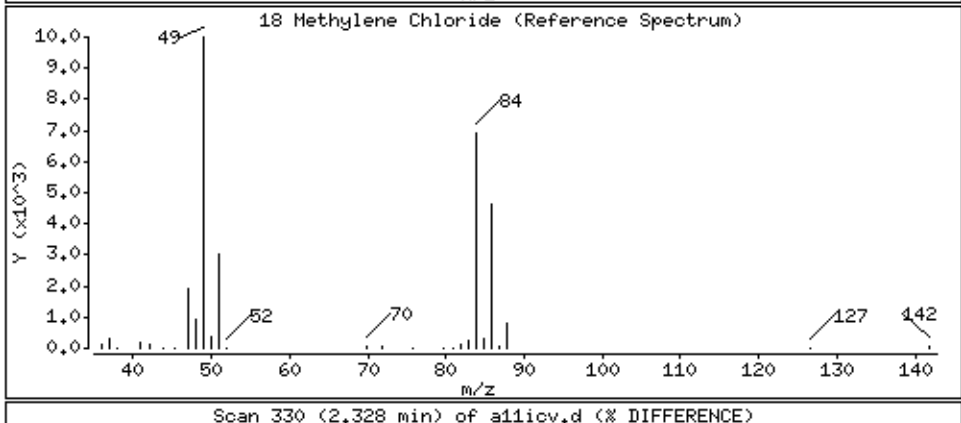
Column diameter: 0.18

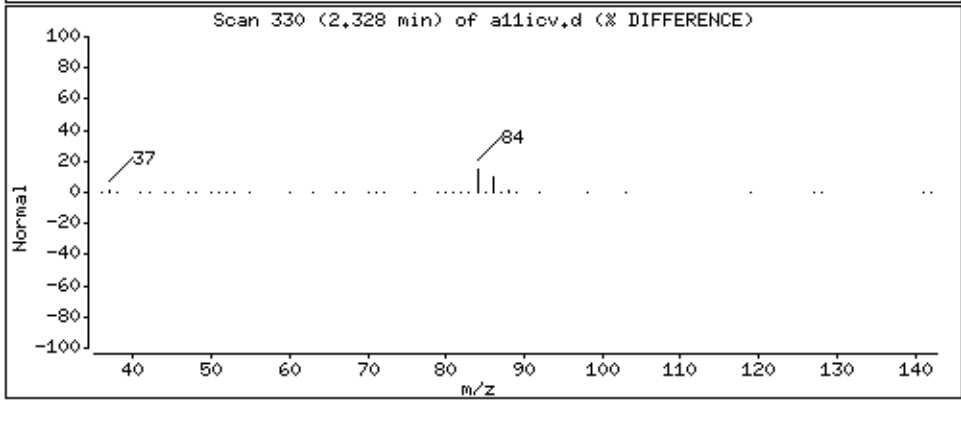
18 Methylene Chloride

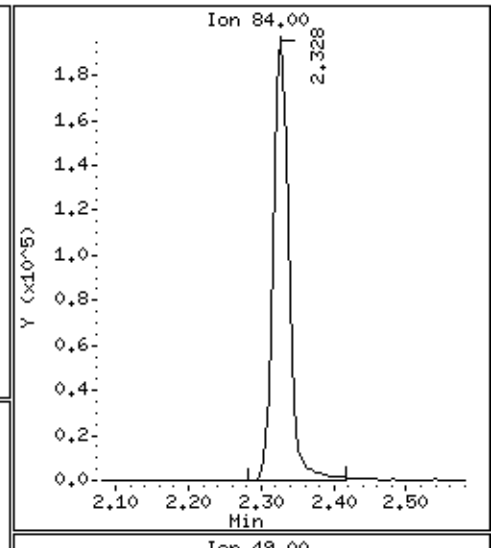
Concentration: 56.7 ppb

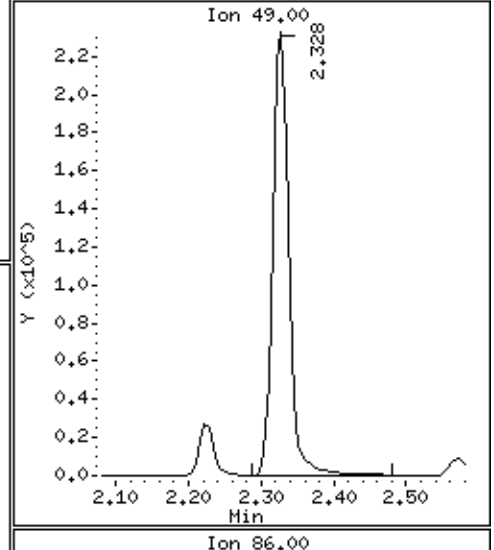


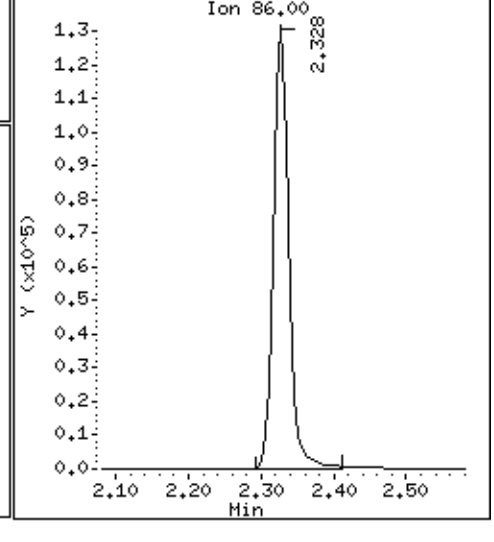












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

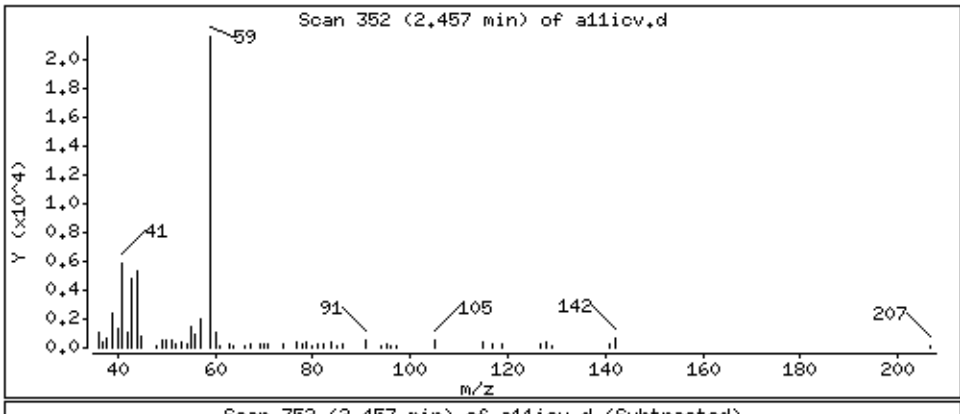
Operator: rsw

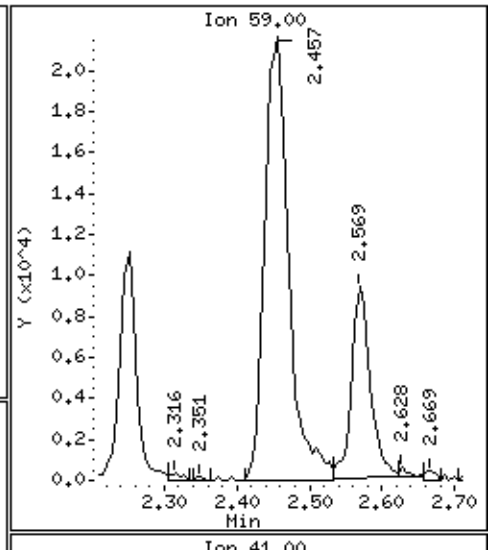
Column phase: DB-624

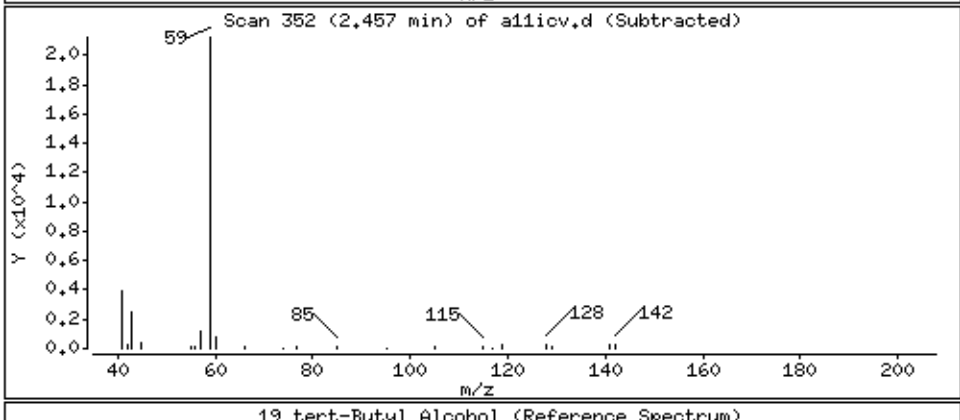
Column diameter: 0.18

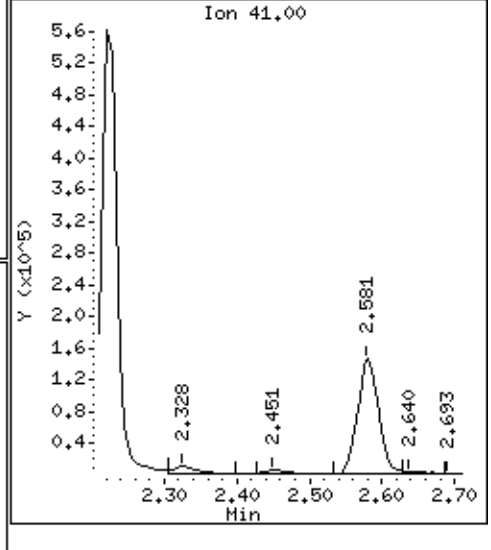
19 tert-Butyl Alcohol

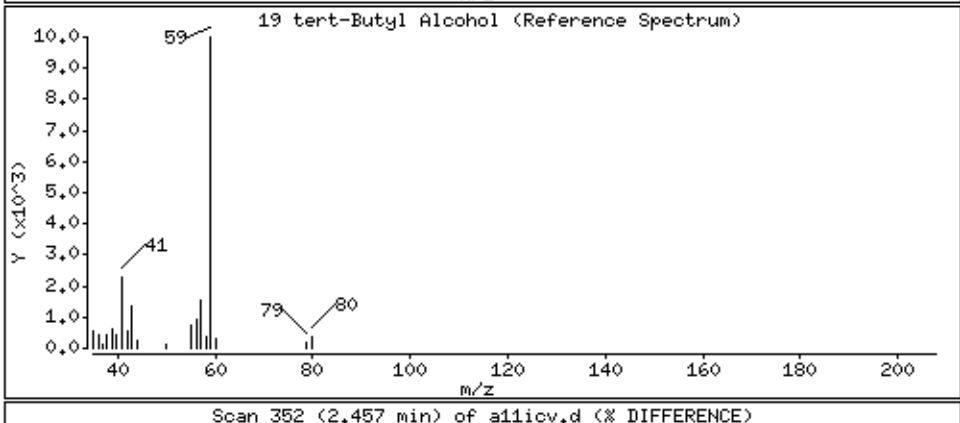
Concentration: 123 ppb

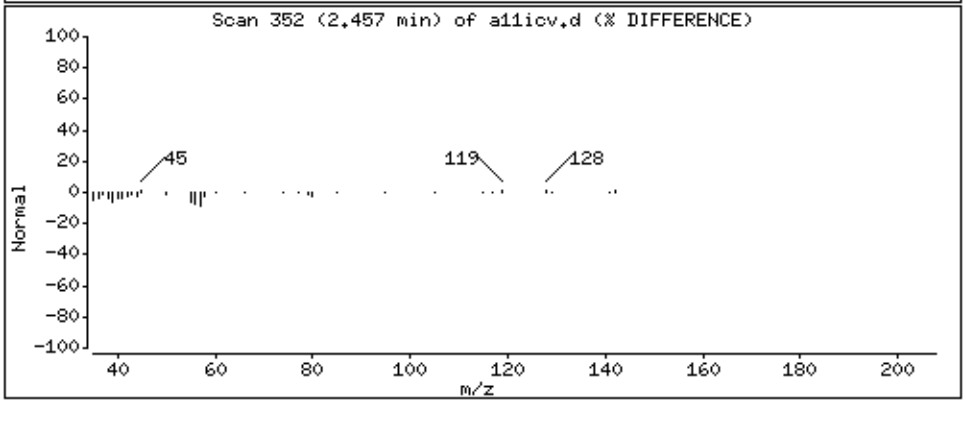












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

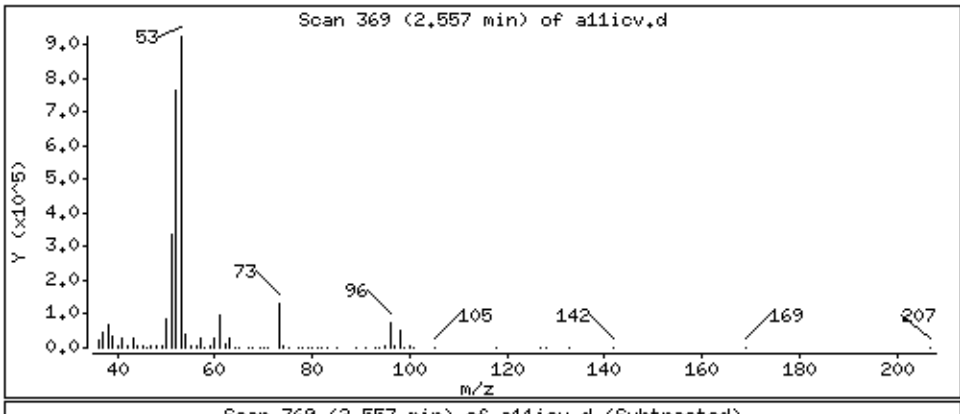
Operator: rsw

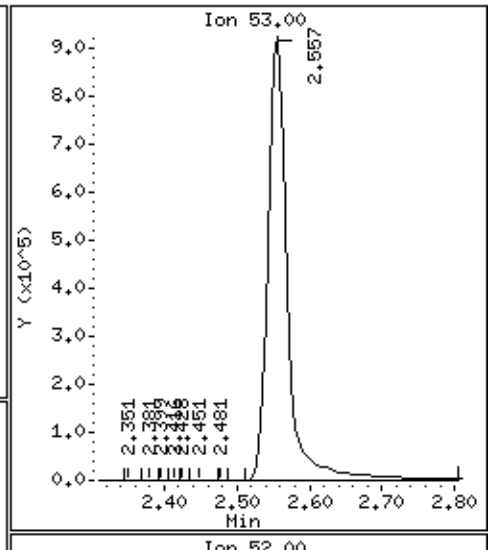
Column phase: DB-624

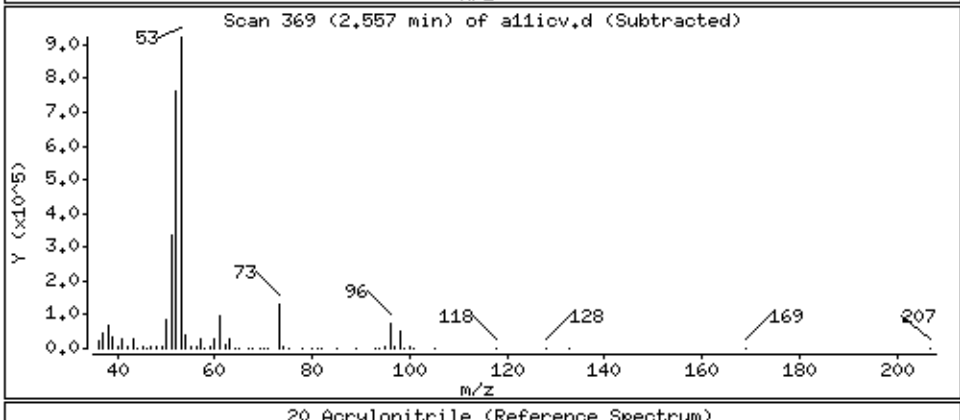
Column diameter: 0.18

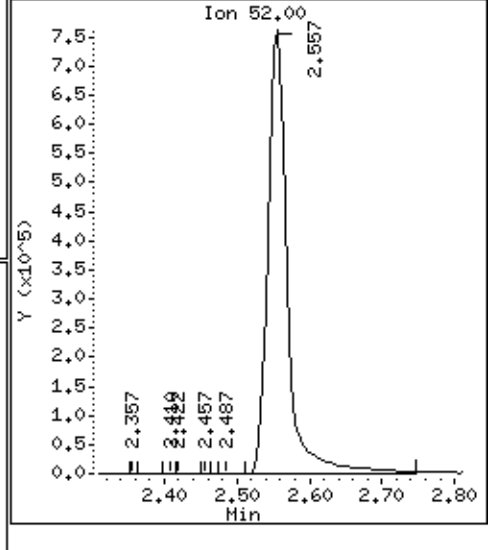
20 Acrylonitrile

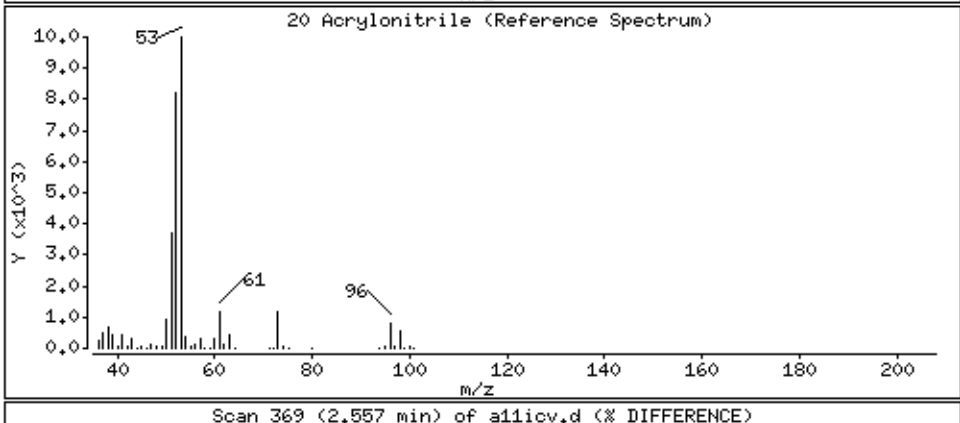
Concentration: 1100 ppb

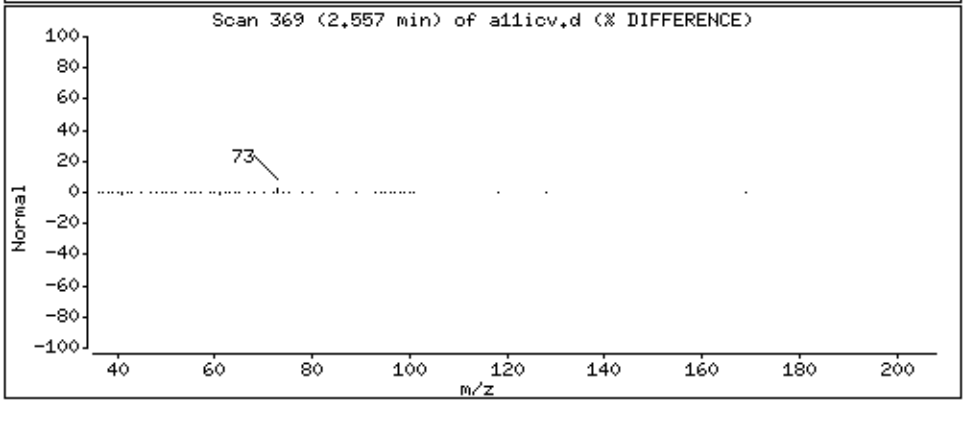












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

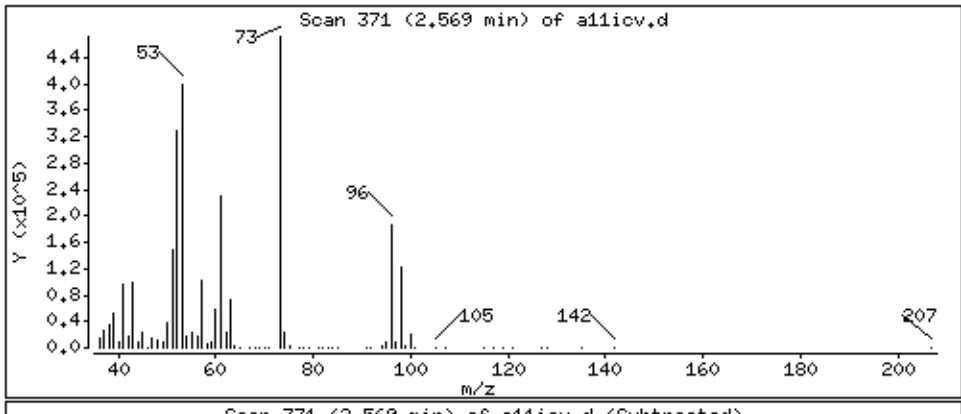
Operator: rsw

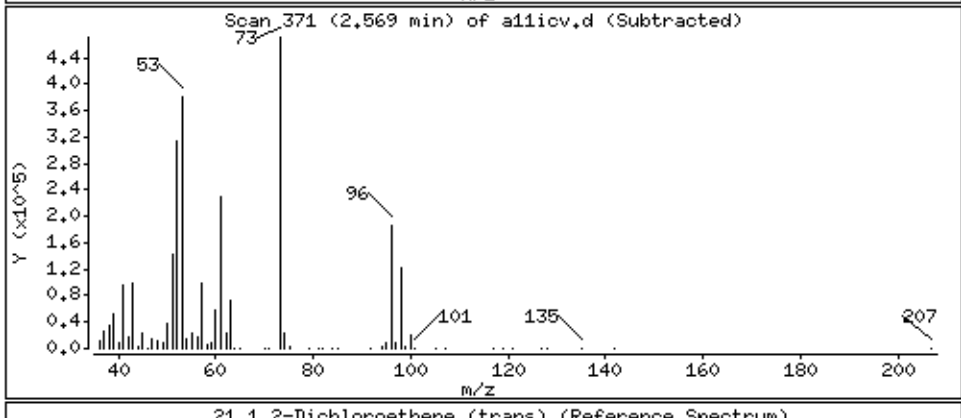
Column phase: DB-624

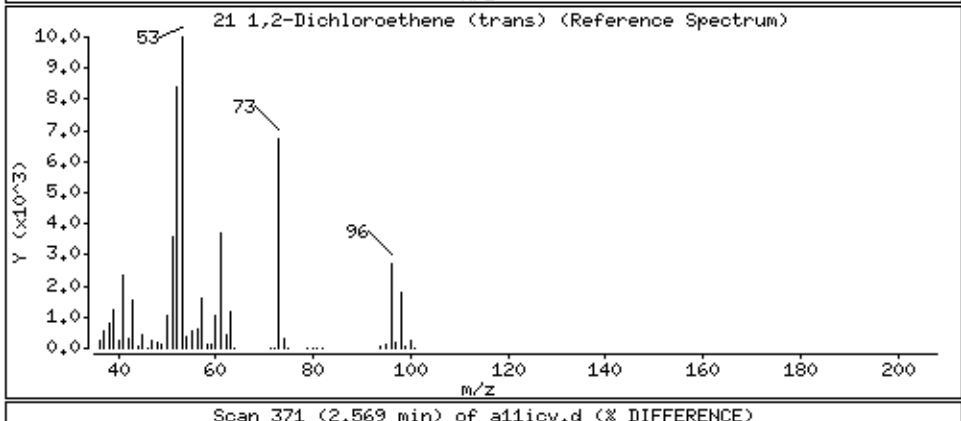
Column diameter: 0.18

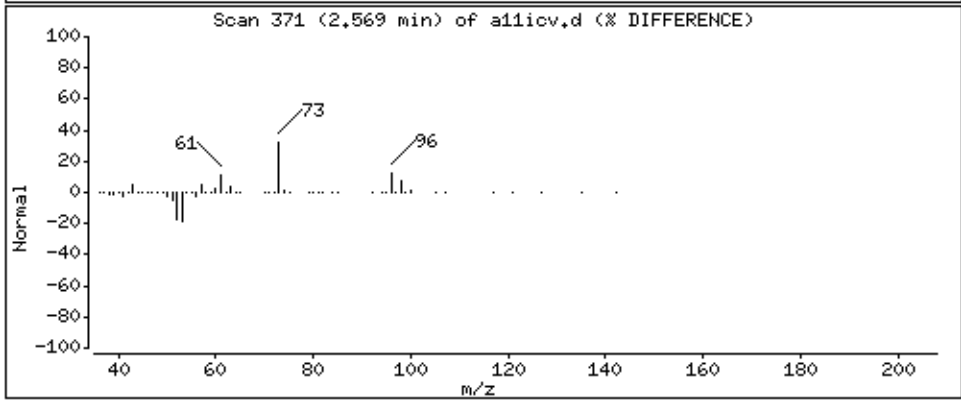
21 1,2-Dichloroethene (trans)

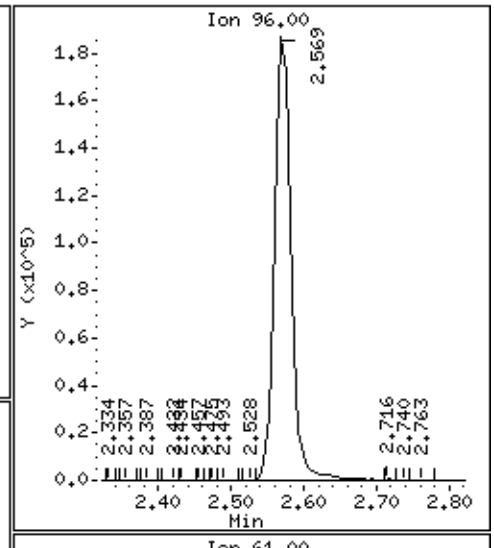
Concentration: 55.3 ppb

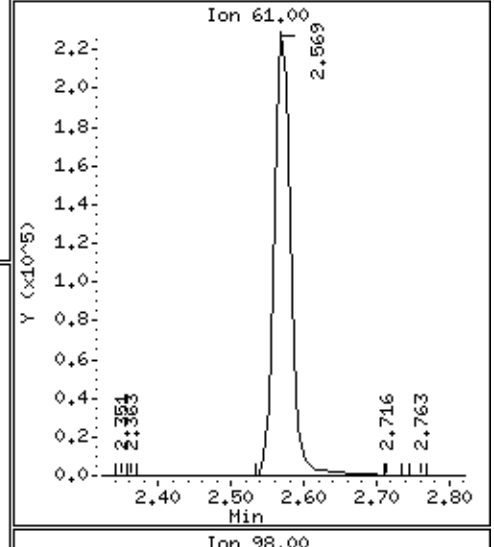


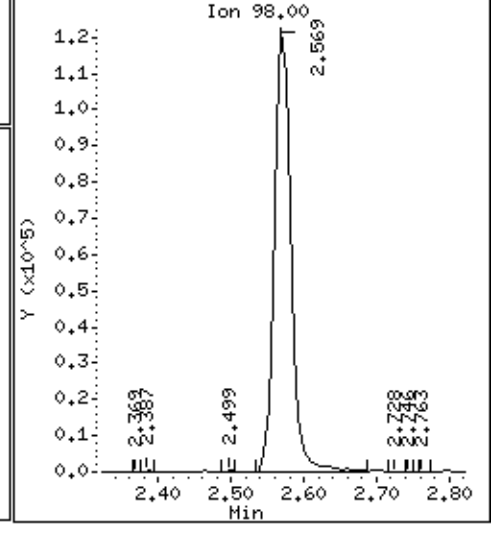












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

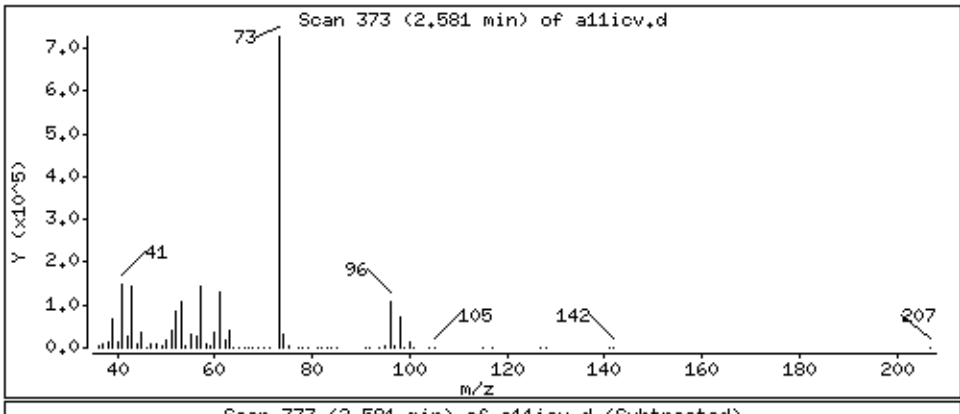
Operator: rsw

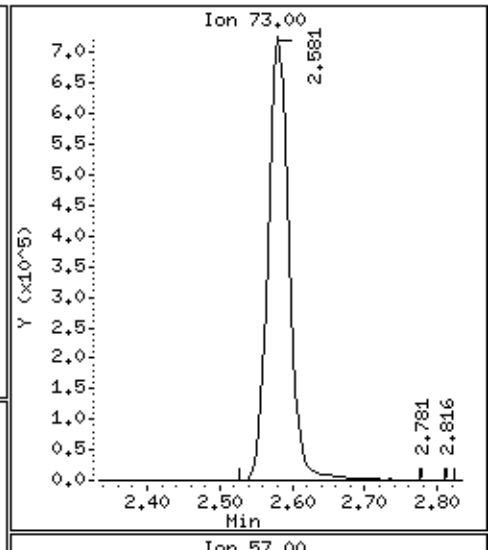
Column phase: DB-624

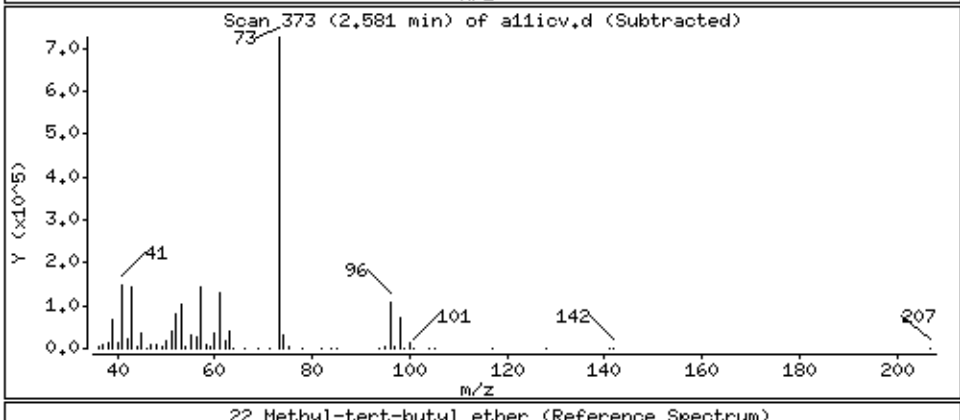
Column diameter: 0.18

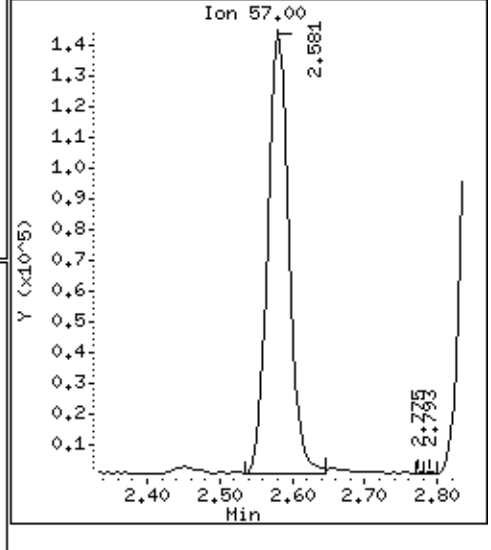
22 Methyl-tert-butyl ether

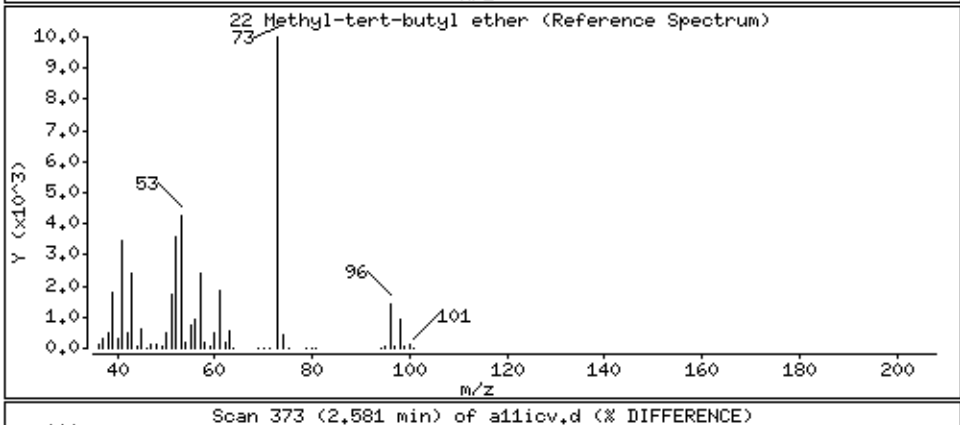
Concentration: 107 ppb

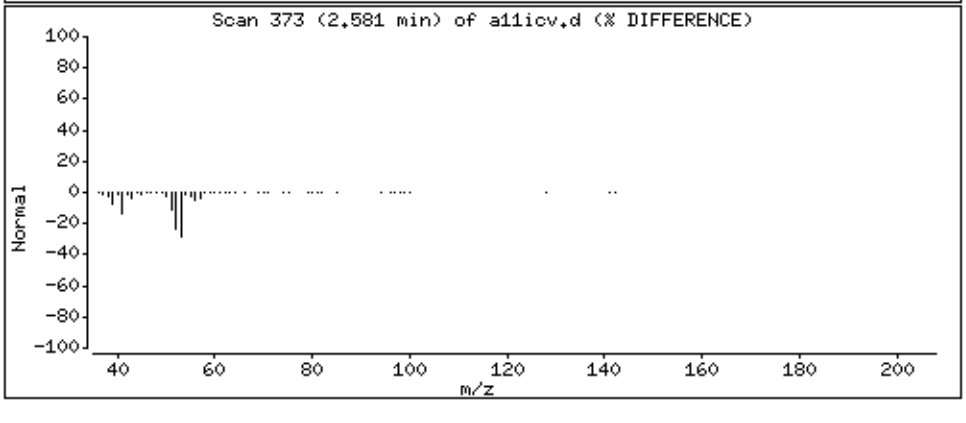












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

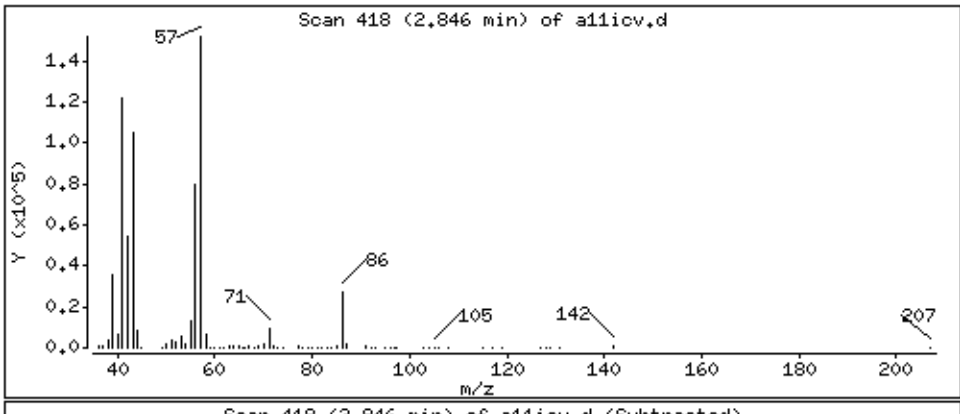
Operator: rsw

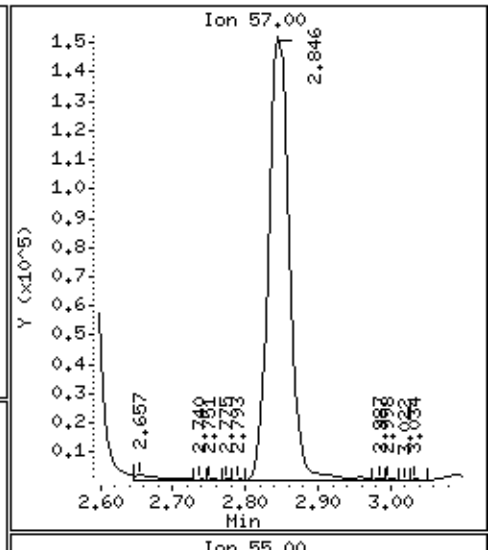
Column phase: DB-624

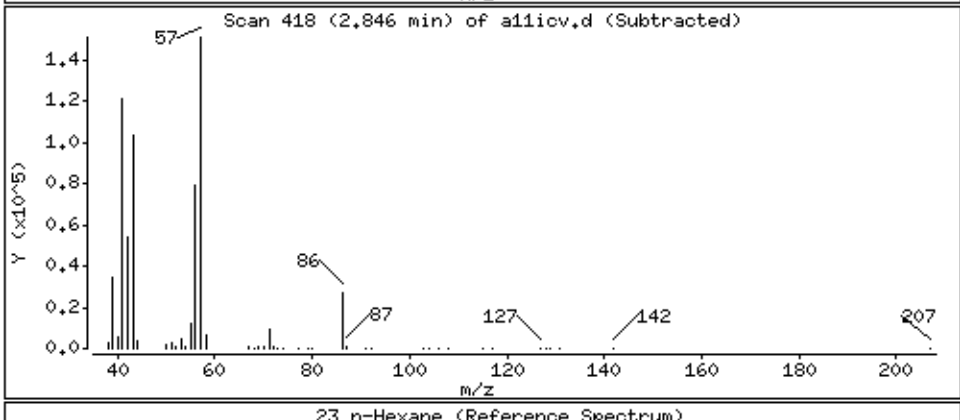
Column diameter: 0.18

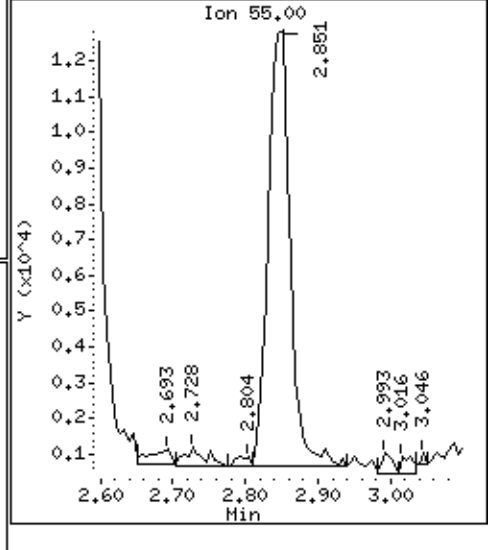
23 n-Hexane

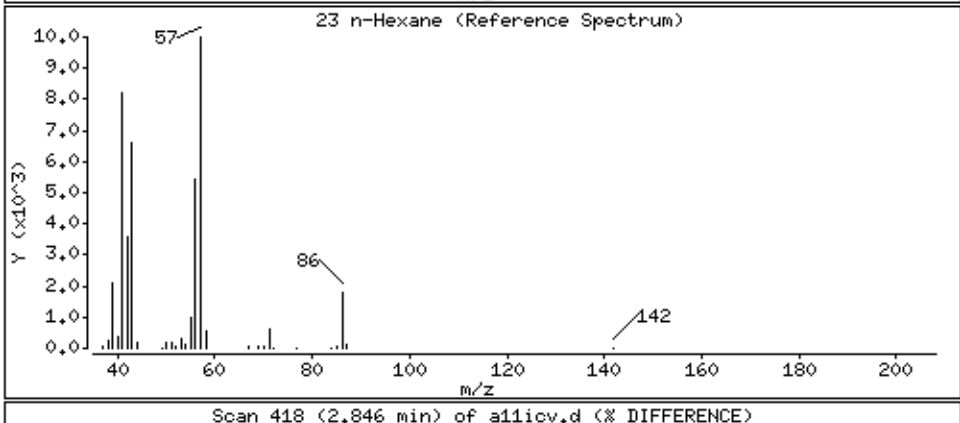
Concentration: 51.7 ppb

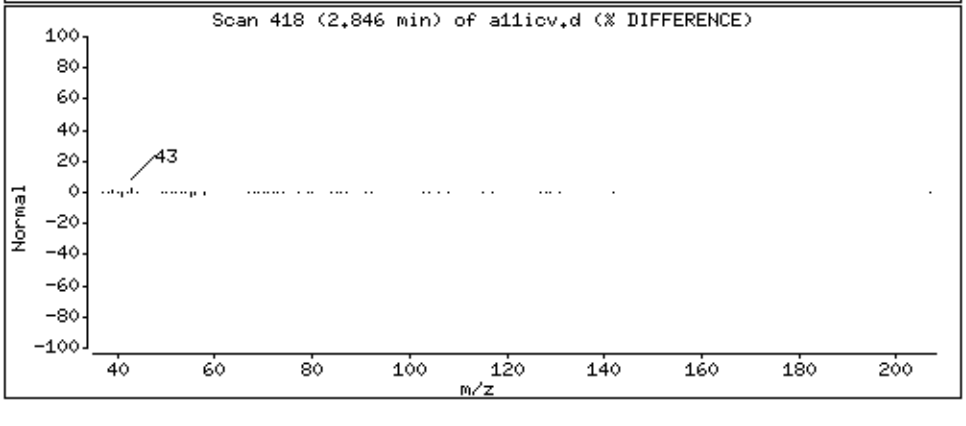












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

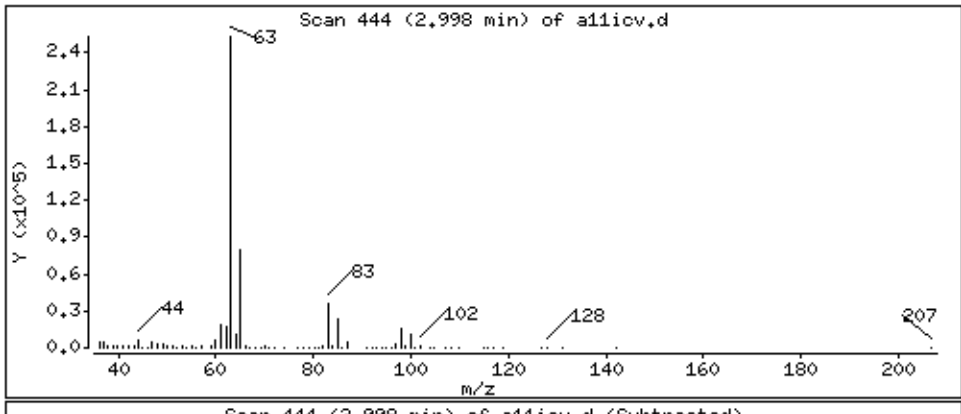
Operator: rsw

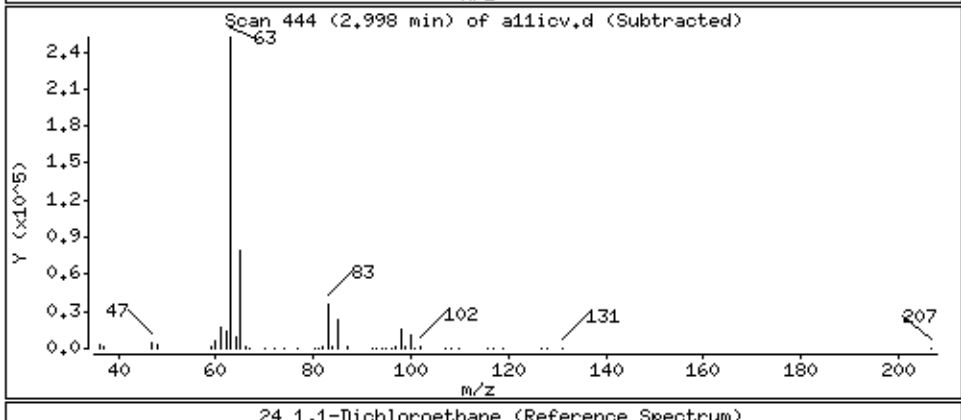
Column phase: DB-624

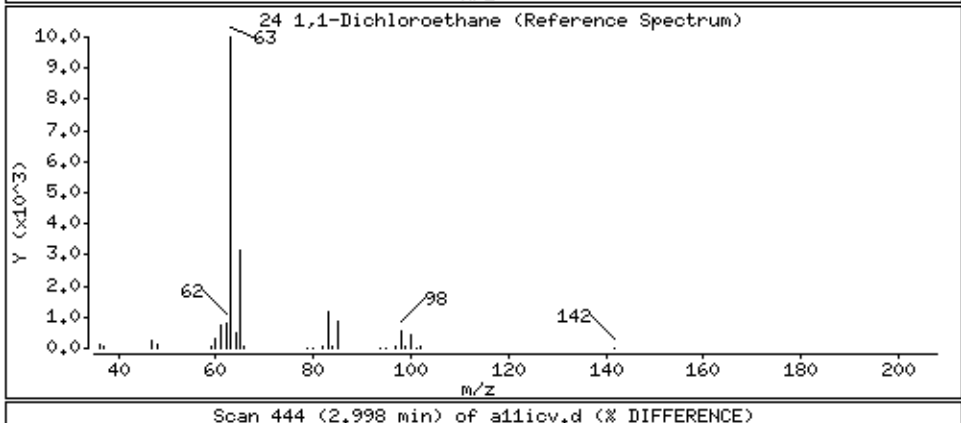
Column diameter: 0.18

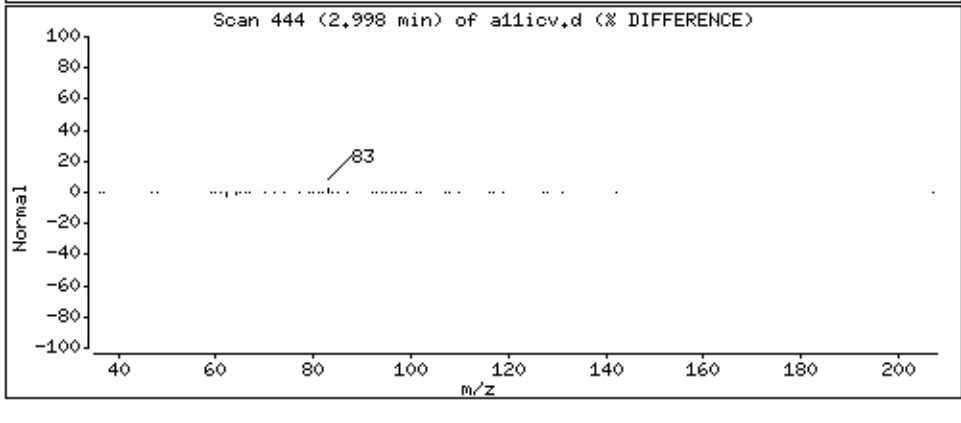
24 1,1-Dichloroethane

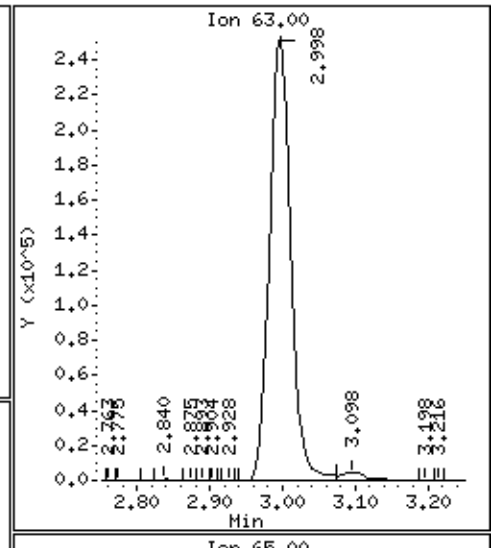
Concentration: 56.1 ppb

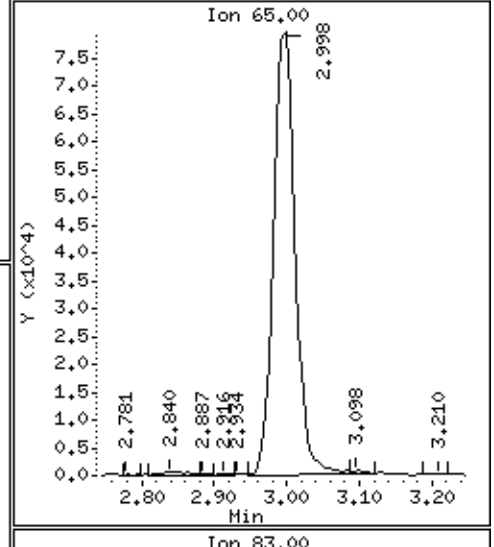


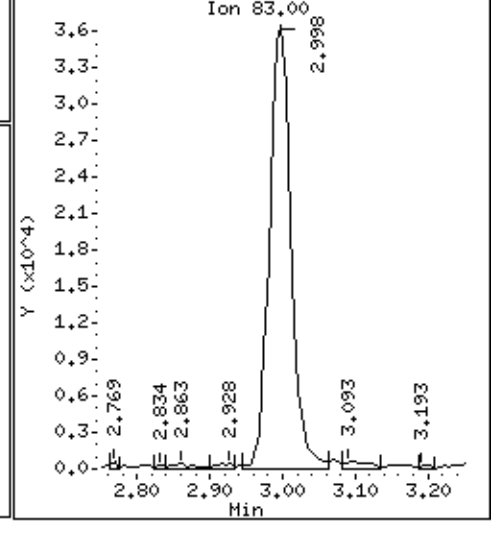












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

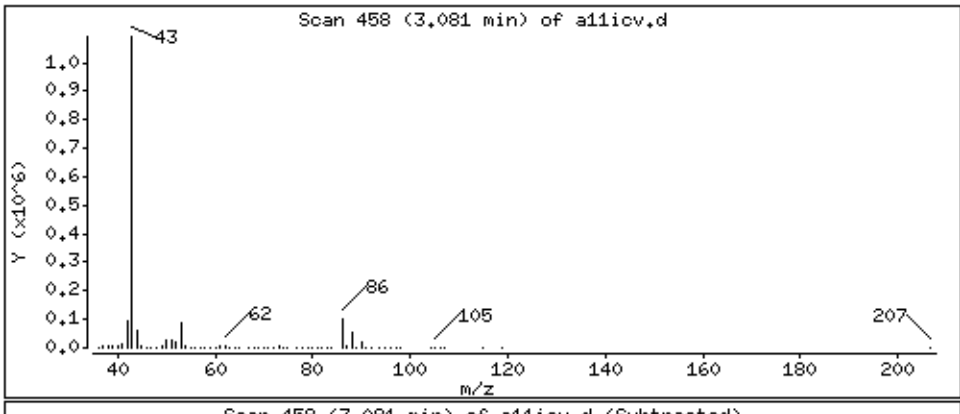
Operator: rsw

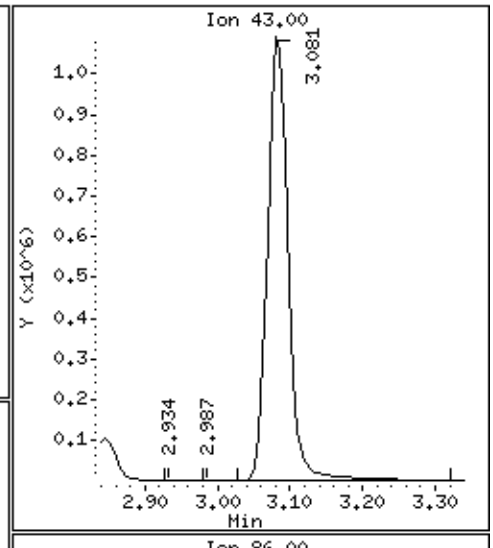
Column phase: DB-624

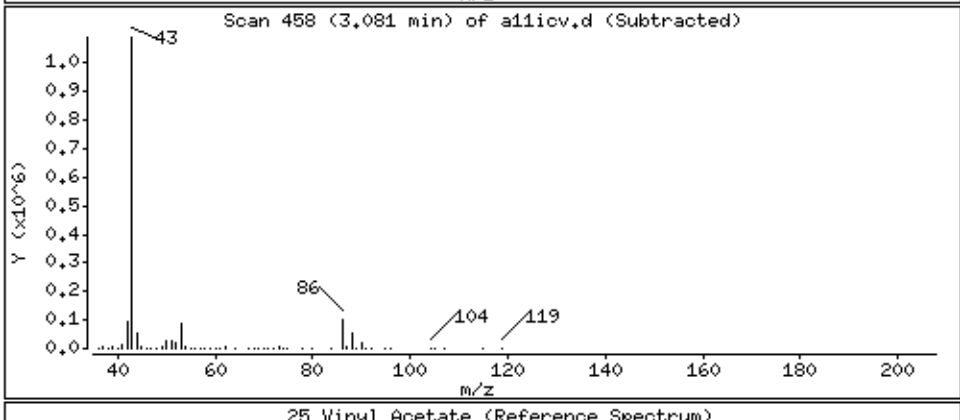
Column diameter: 0.18

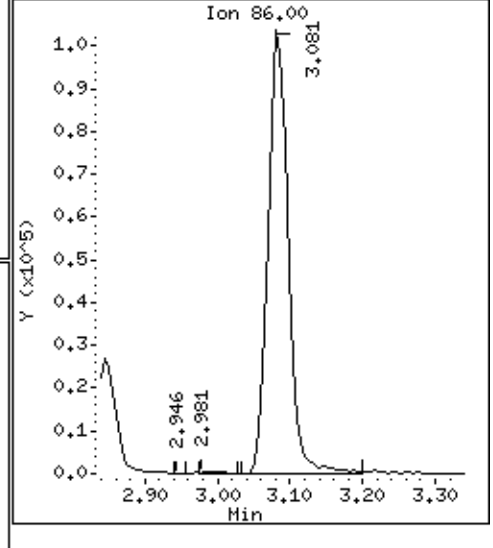
25 Vinyl Acetate

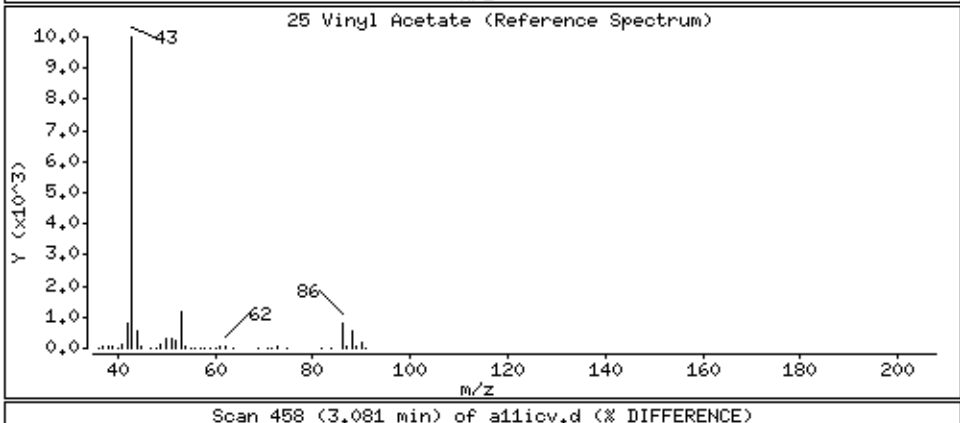
Concentration: 231 ppb

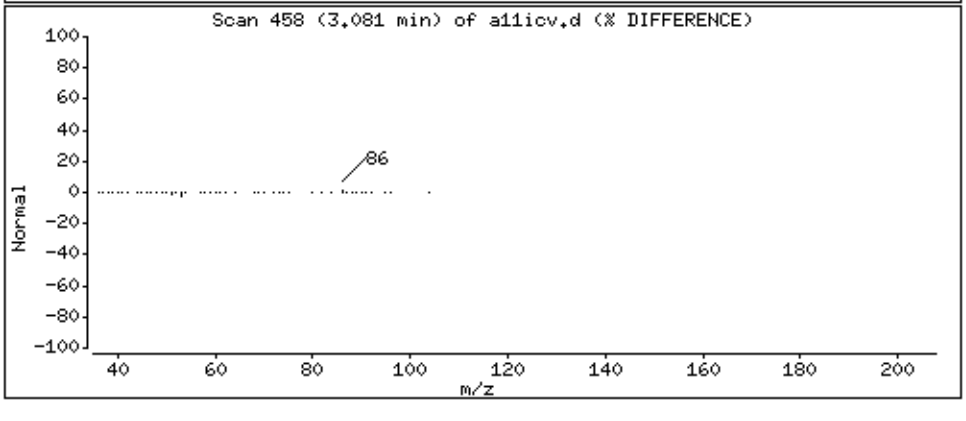












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

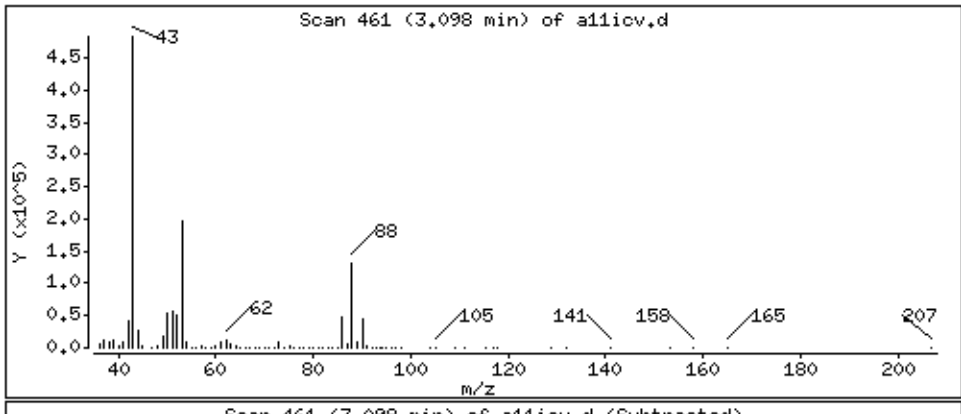
Operator: rsw

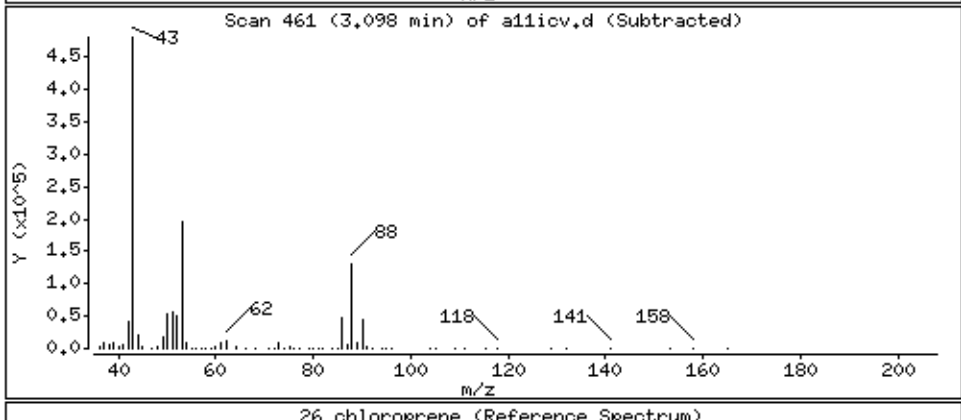
Column phase: DB-624

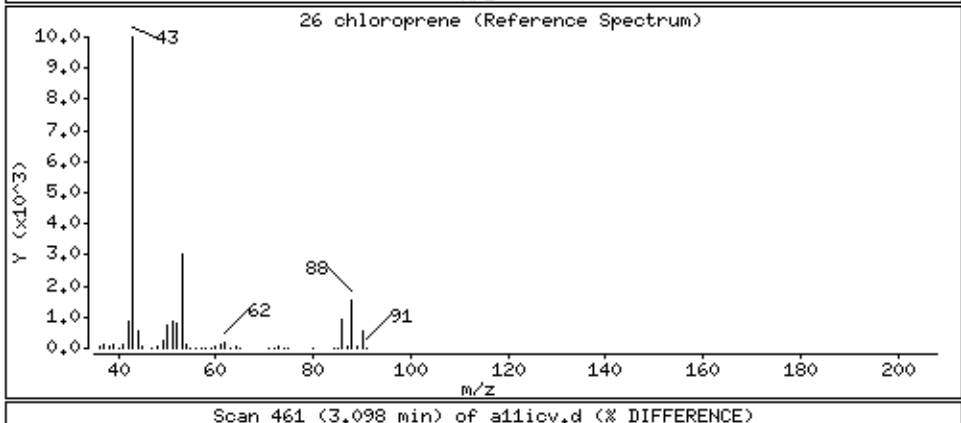
Column diameter: 0.18

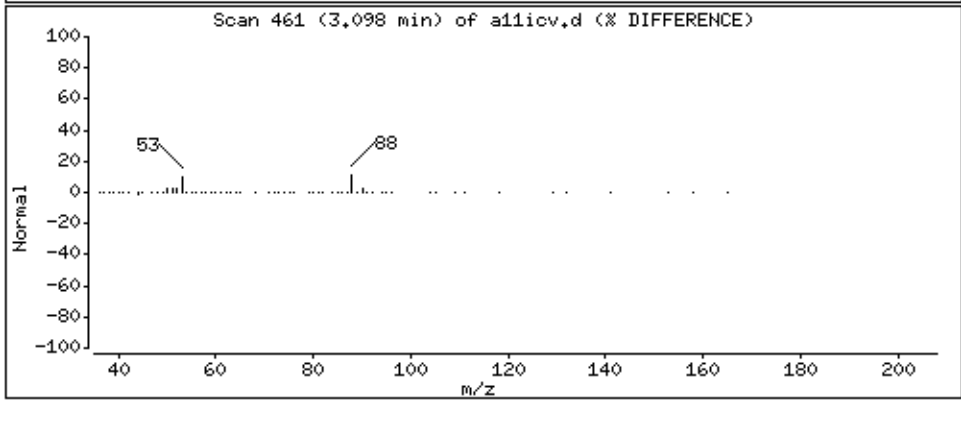
26 chloroprene

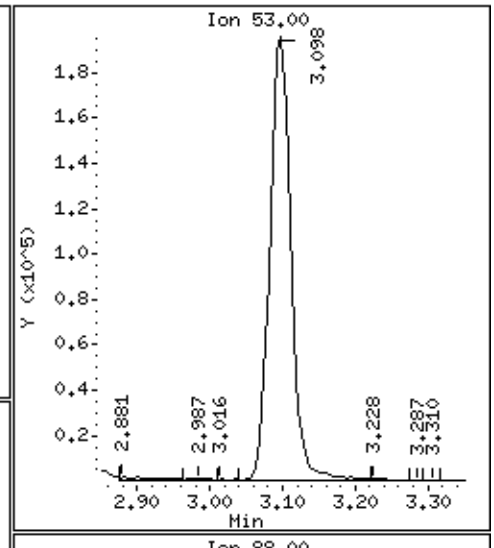
Concentration: 54.1 ppb

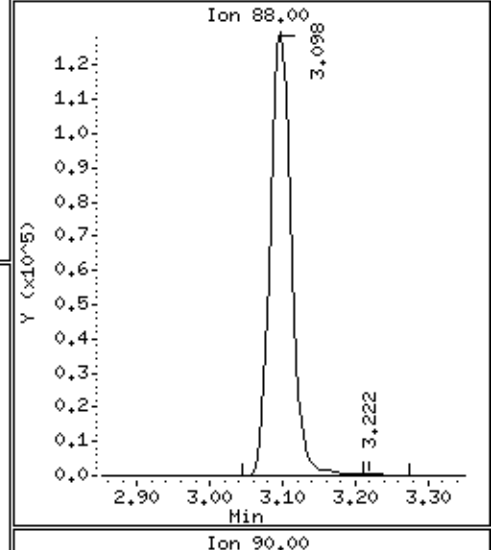


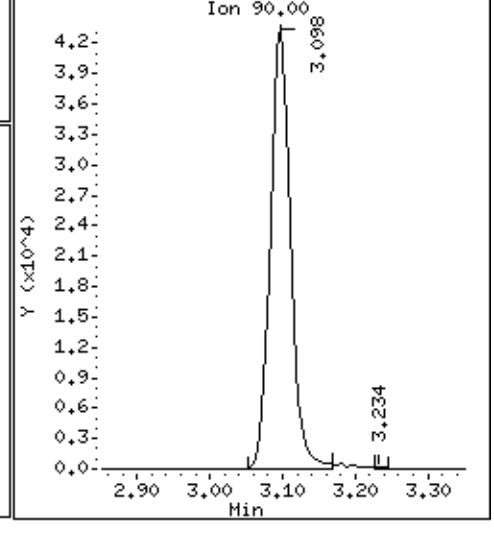












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

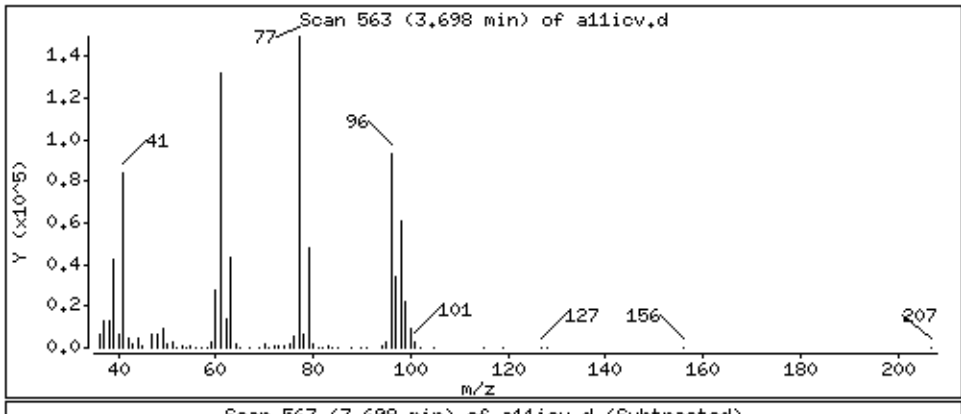
Operator: rsw

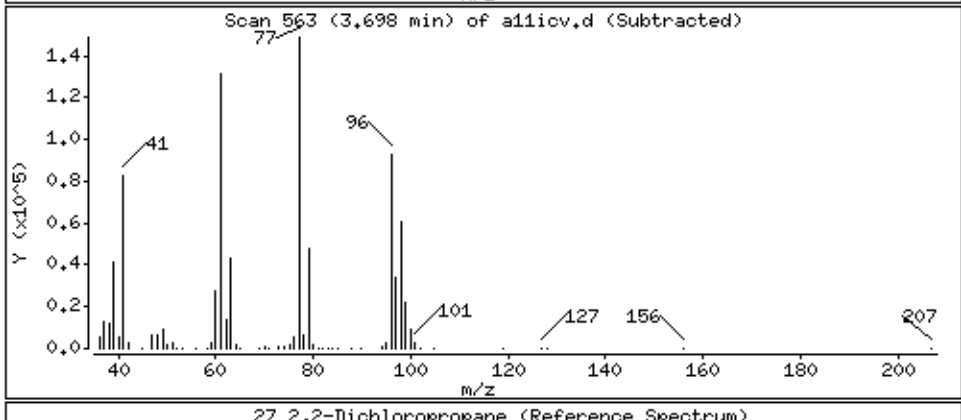
Column phase: DB-624

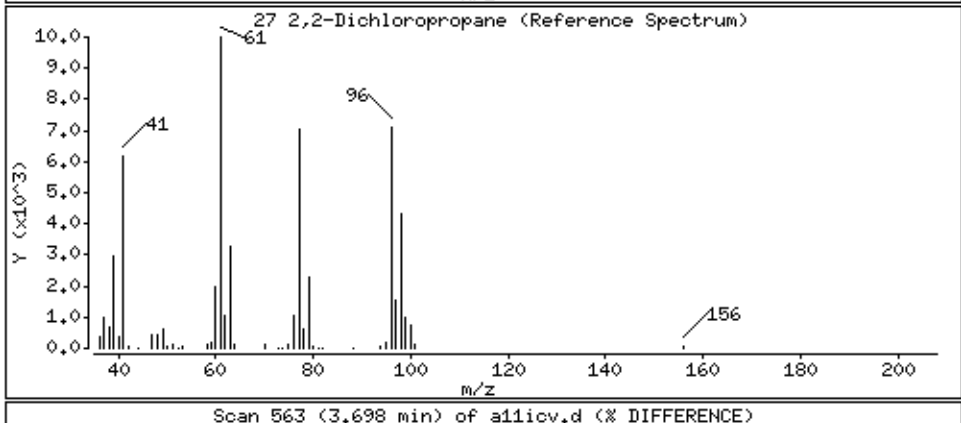
Column diameter: 0.18

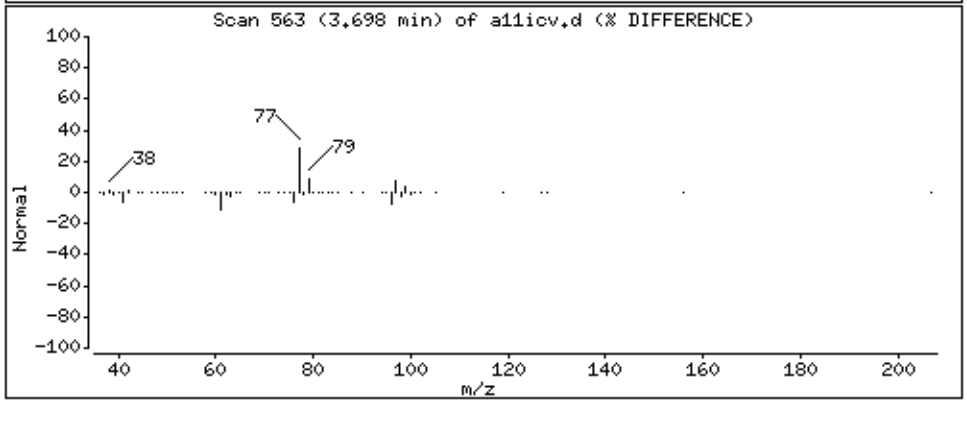
27 2,2-Dichloropropane

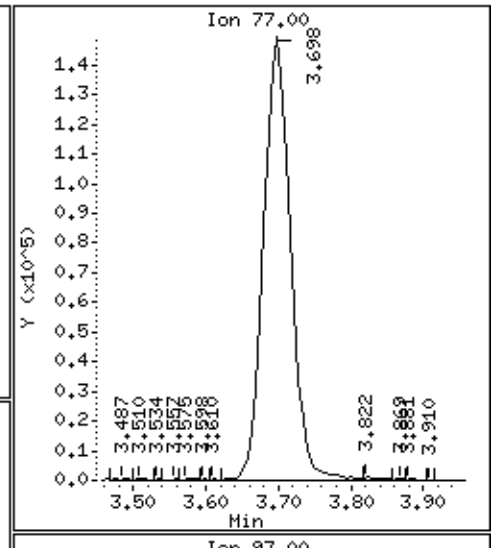
Concentration: 51.4 ppb

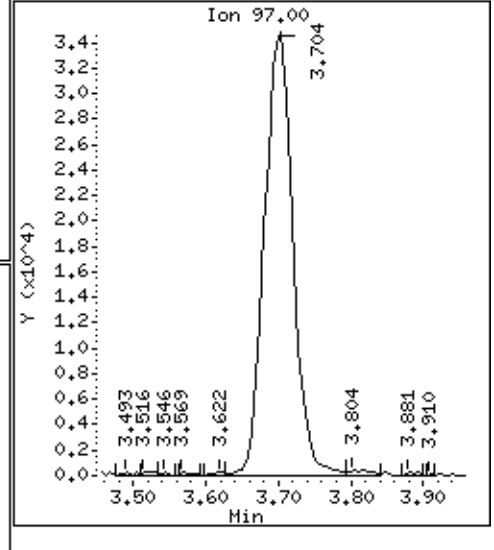












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

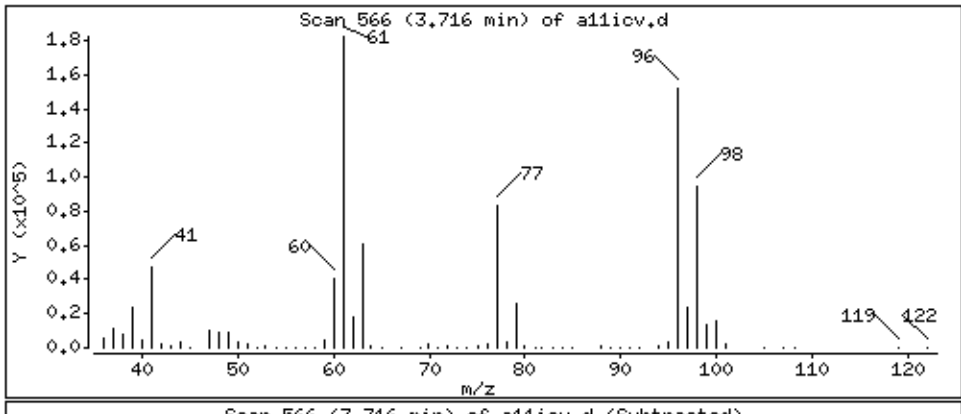
Operator: rsw

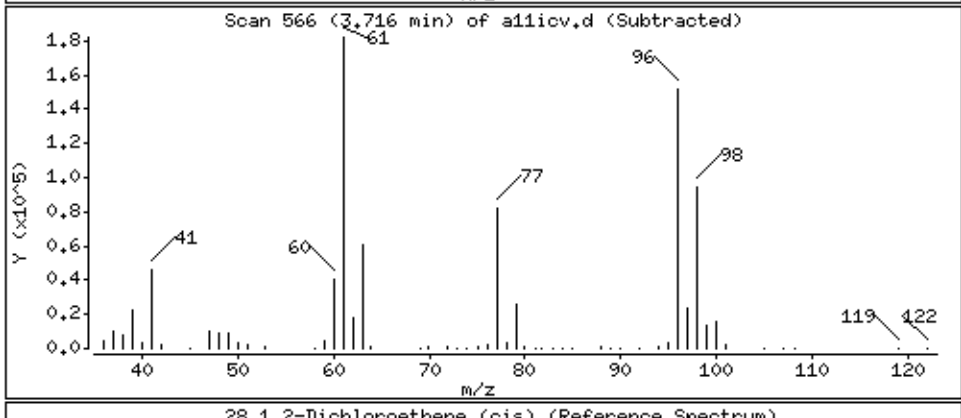
Column phase: DB-624

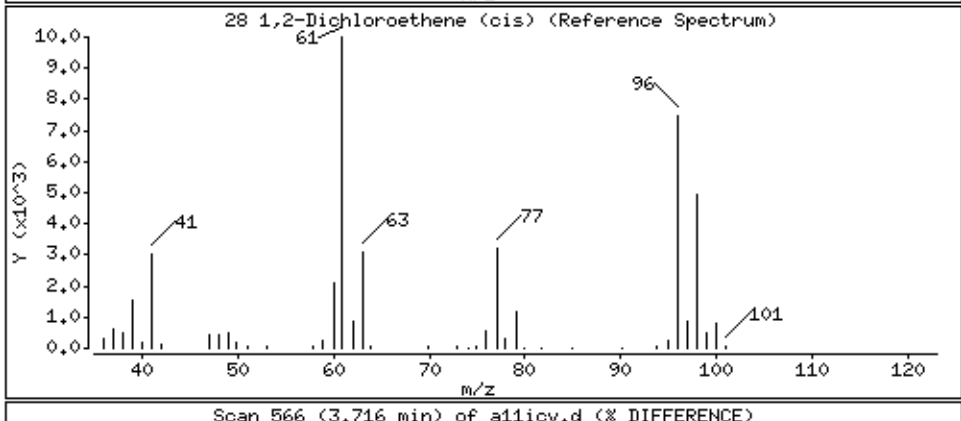
Column diameter: 0.18

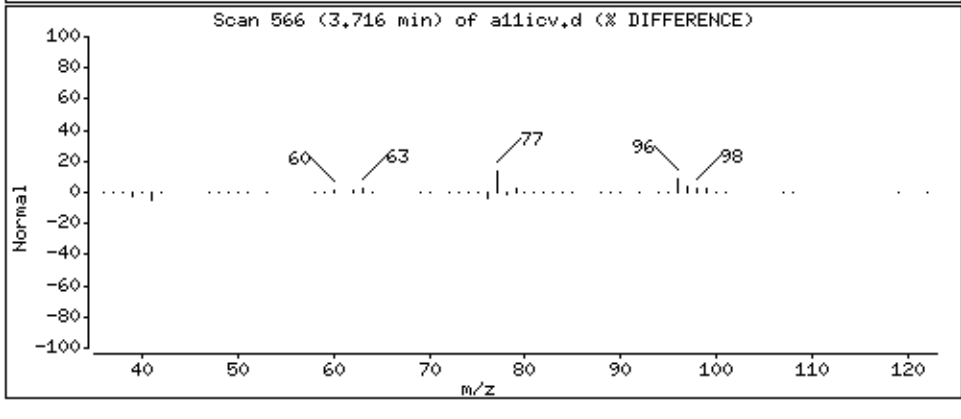
28 1,2-Dichloroethene (cis)

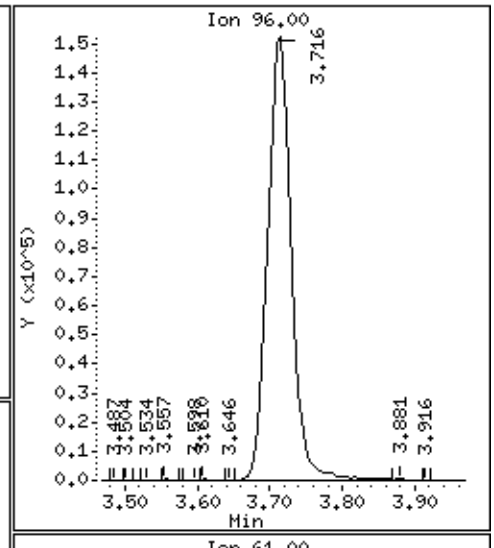
Concentration: 52.7 ppb

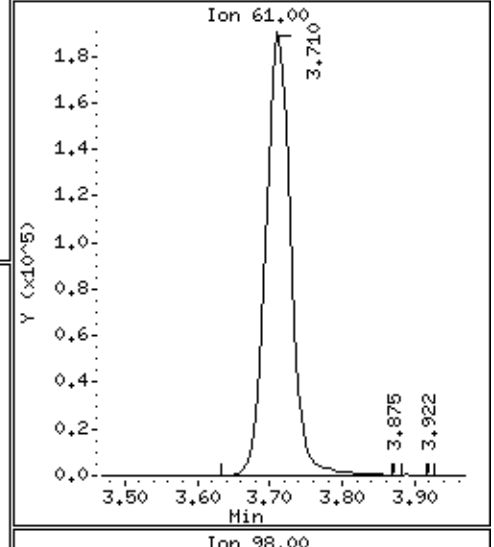


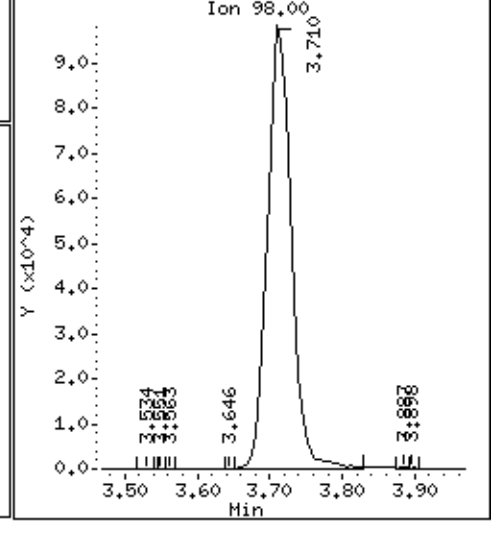












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

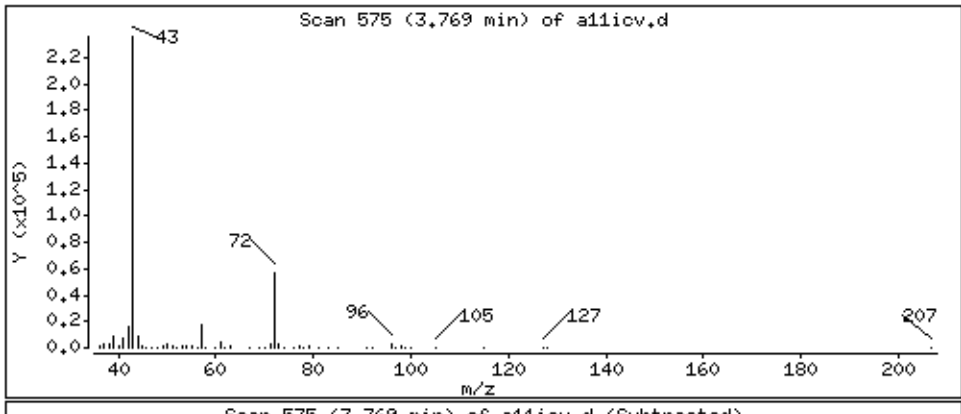
Operator: rsw

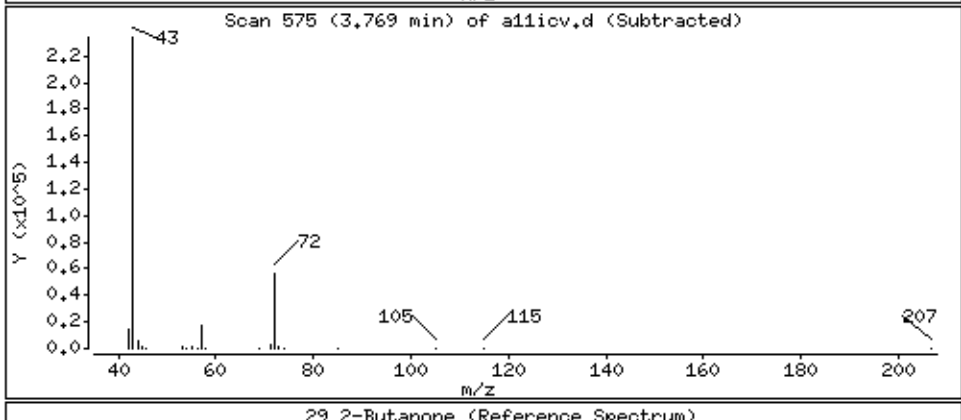
Column phase: DB-624

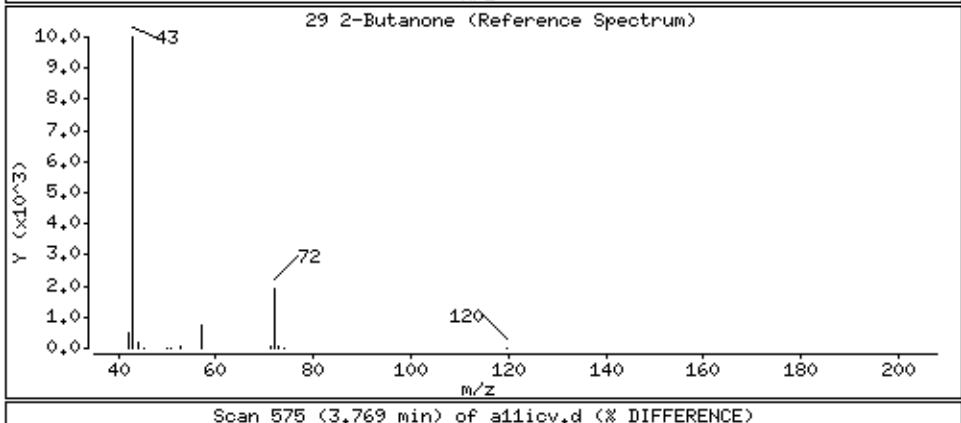
Column diameter: 0.18

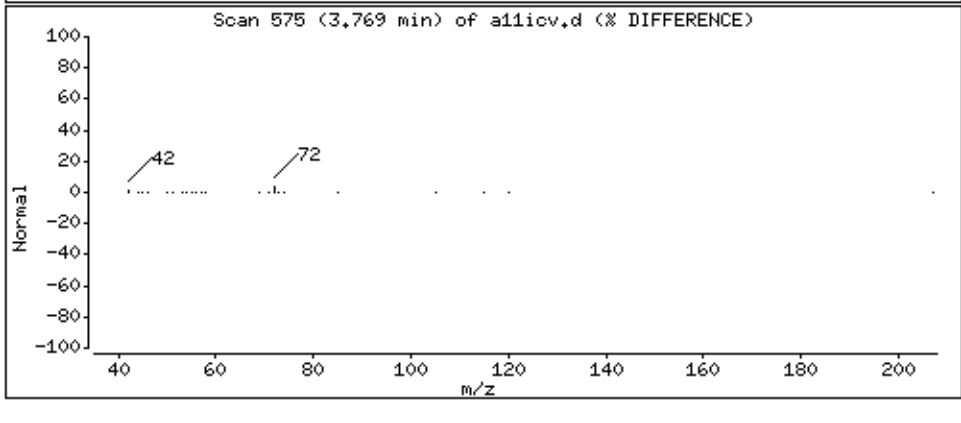
29 2-Butanone

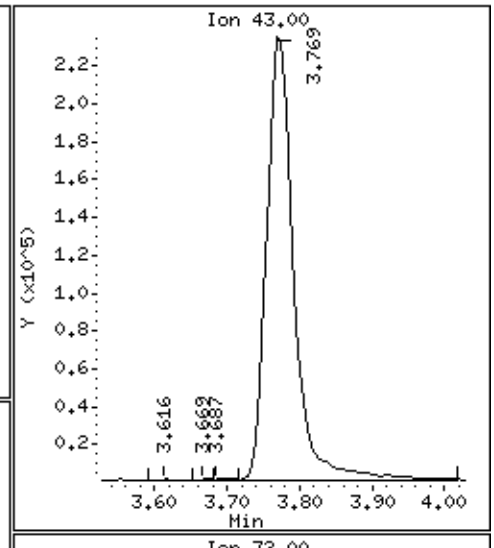
Concentration: 278 ppb

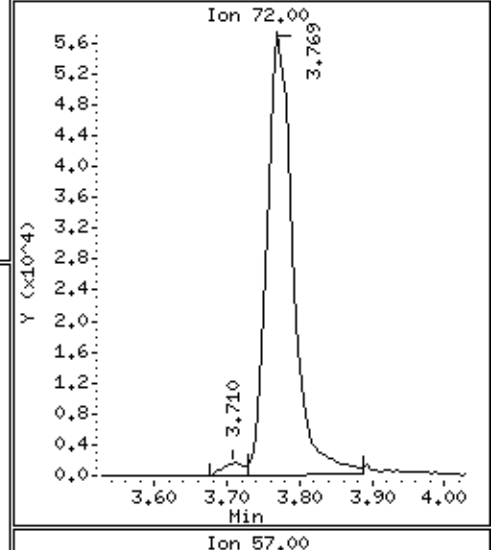


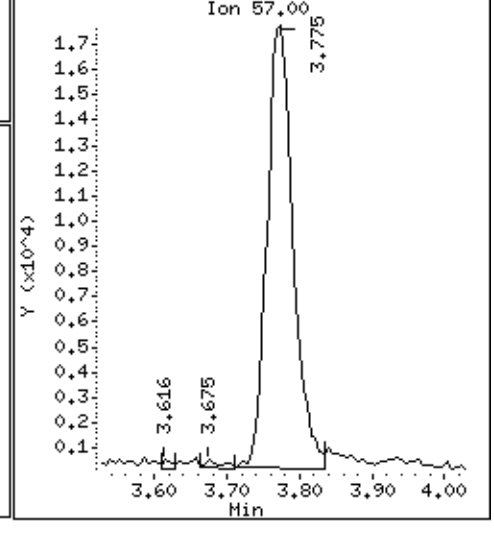












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

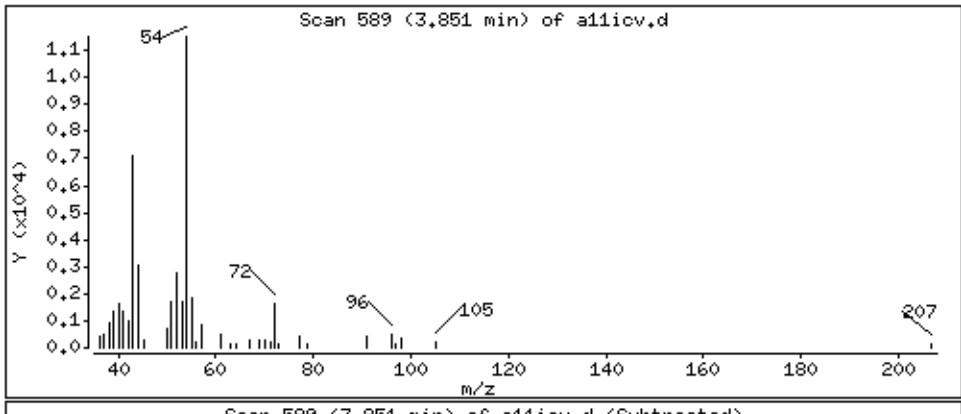
Operator: rsw

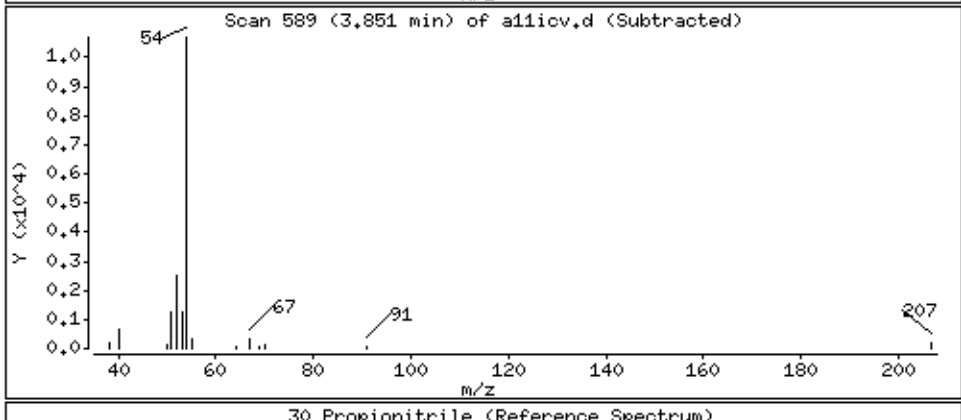
Column phase: DB-624

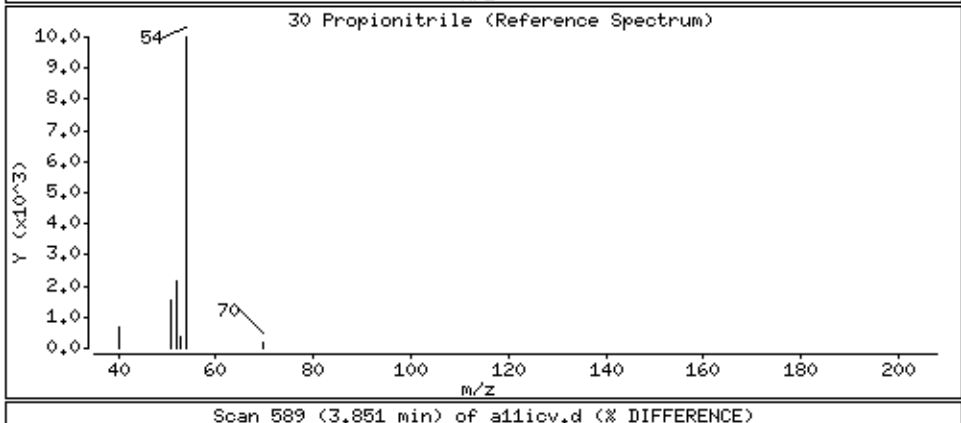
Column diameter: 0.18

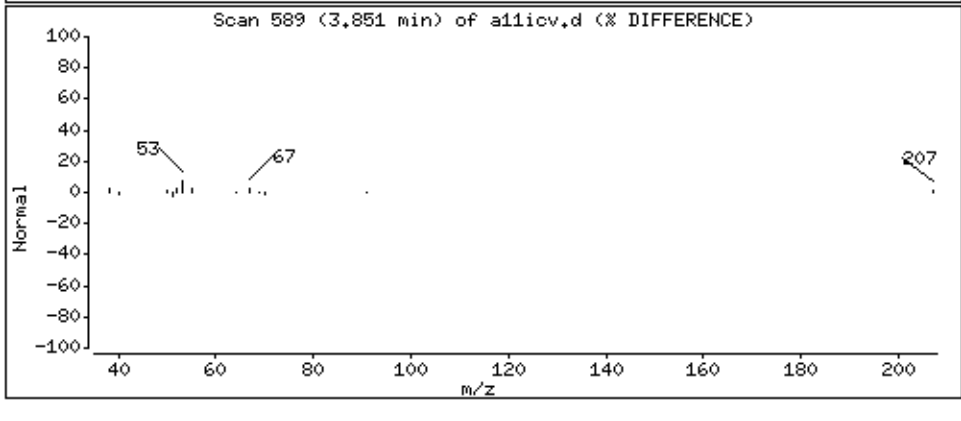
30 Propionitrile

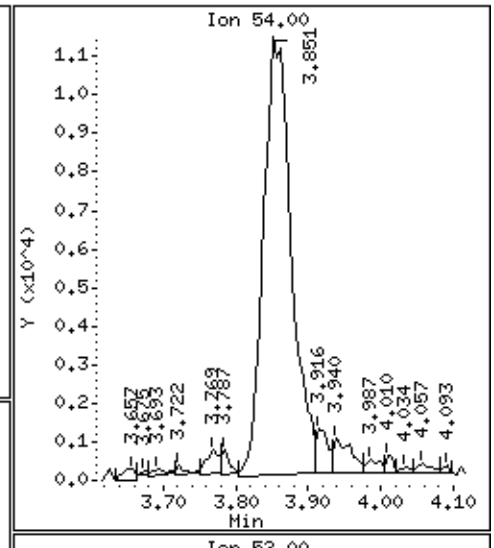
Concentration: 44.2 ppb

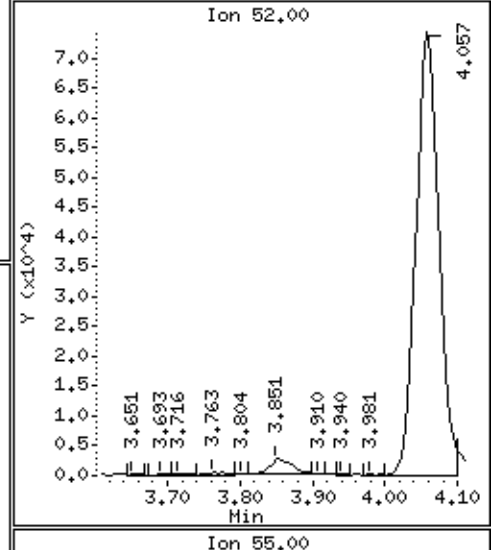


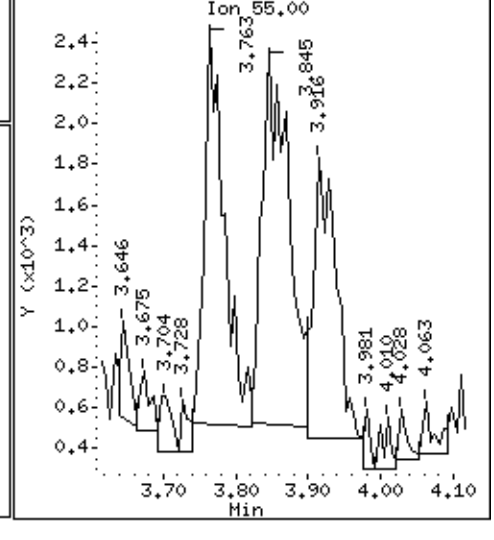












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

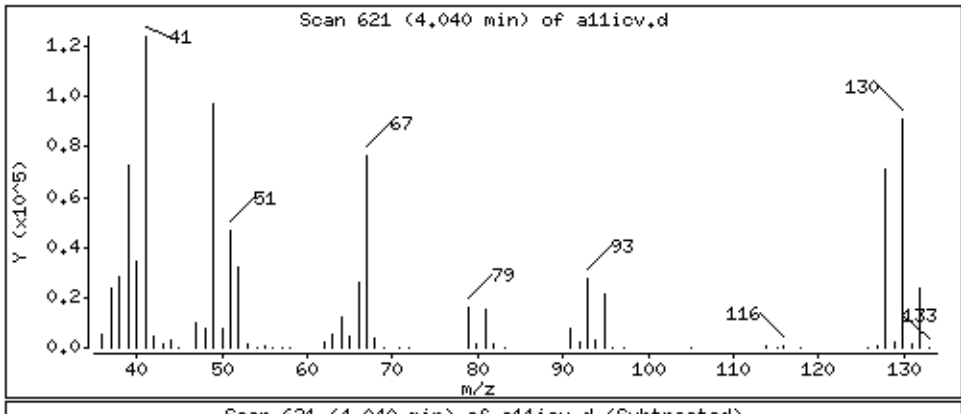
Operator: rsw

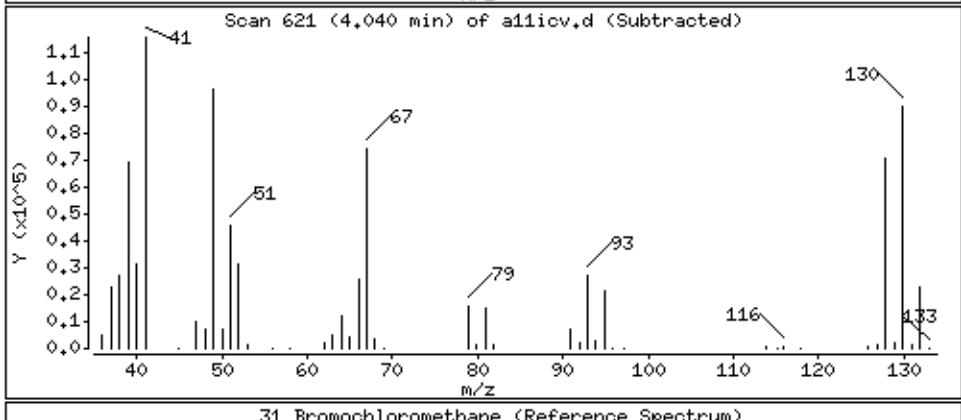
Column phase: DB-624

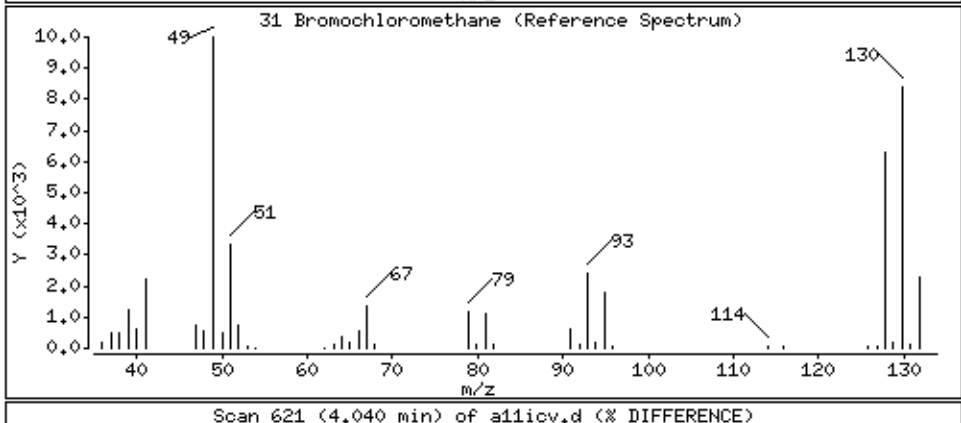
Column diameter: 0.18

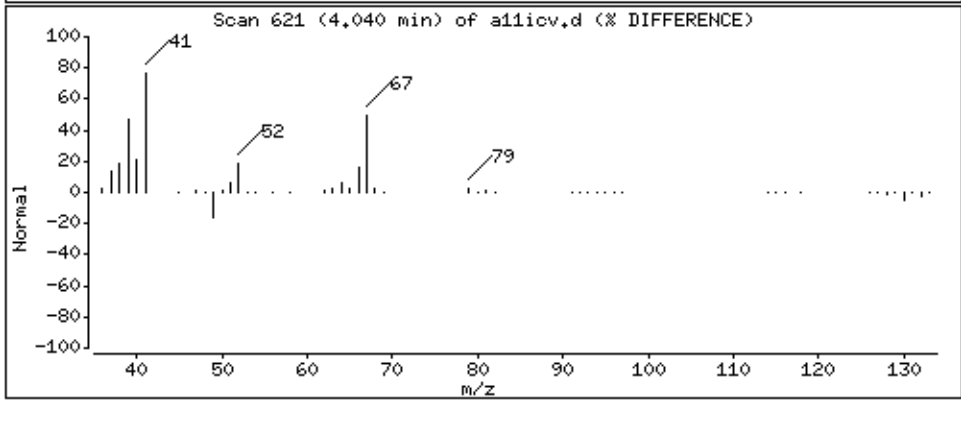
31 Bromochloromethane

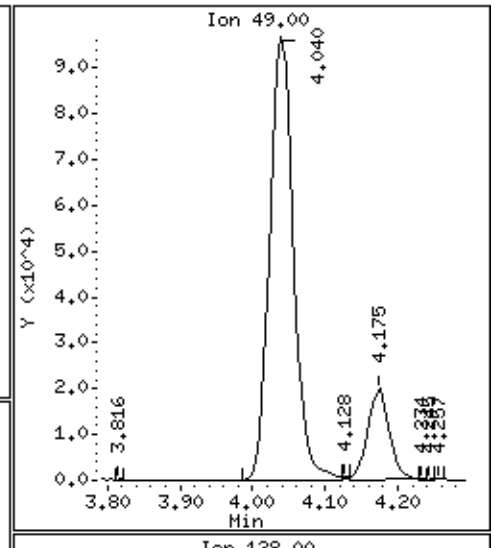
Concentration: 51.6 ppb

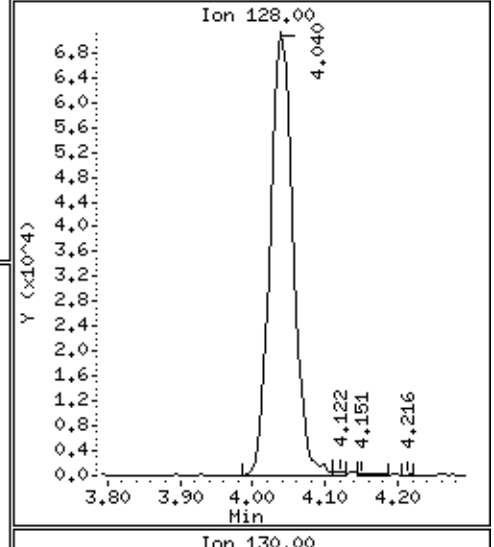


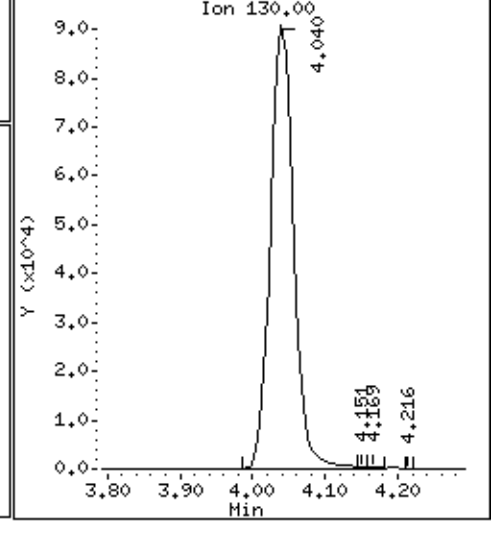












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

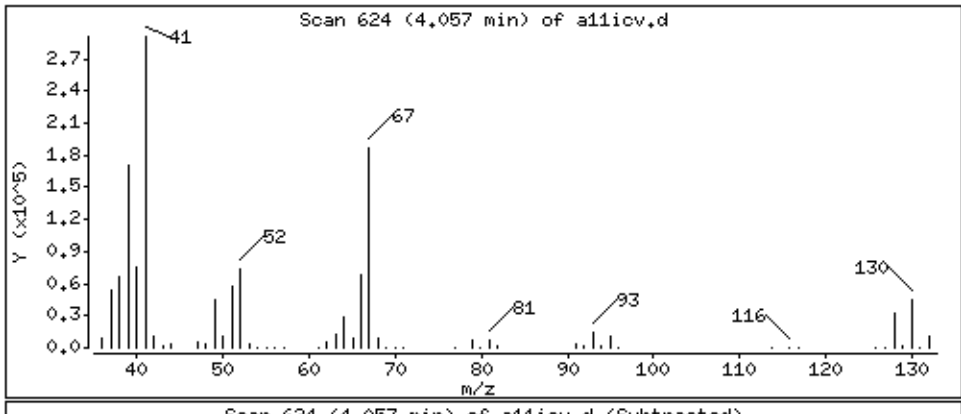
Operator: rsw

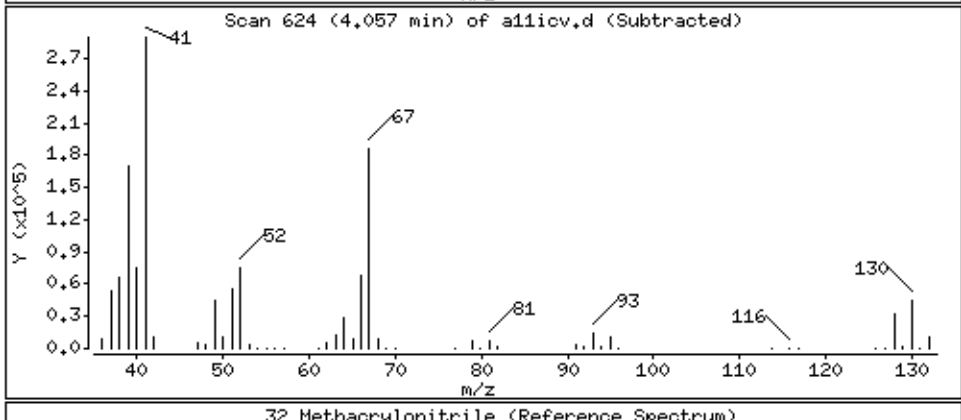
Column phase: DB-624

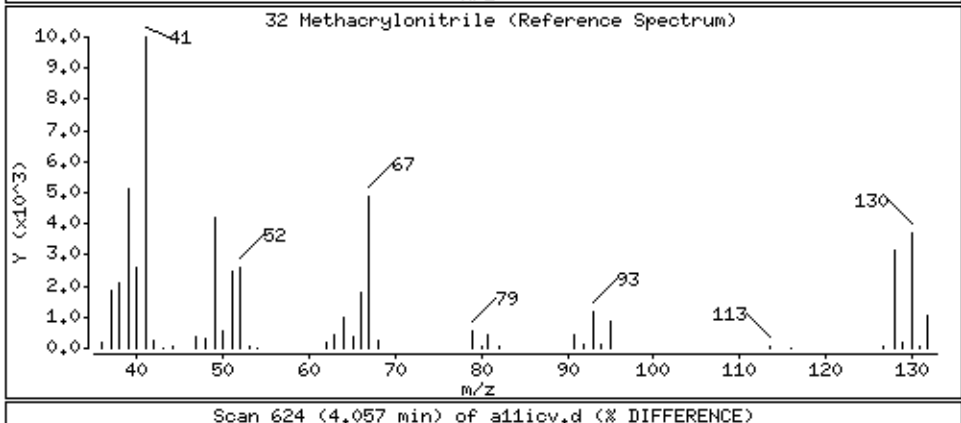
Column diameter: 0.18

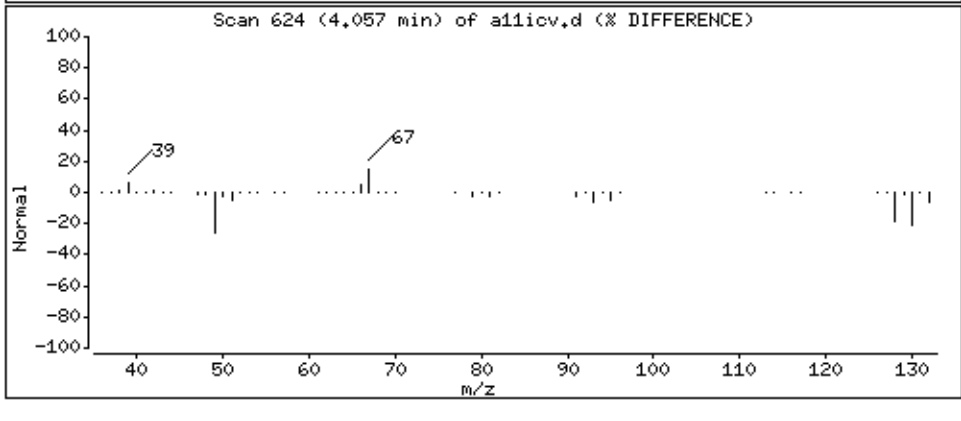
32 Methacrylonitrile

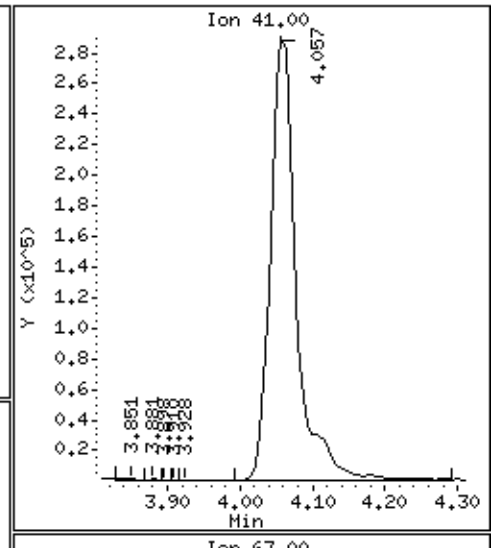
Concentration: 194 ppb

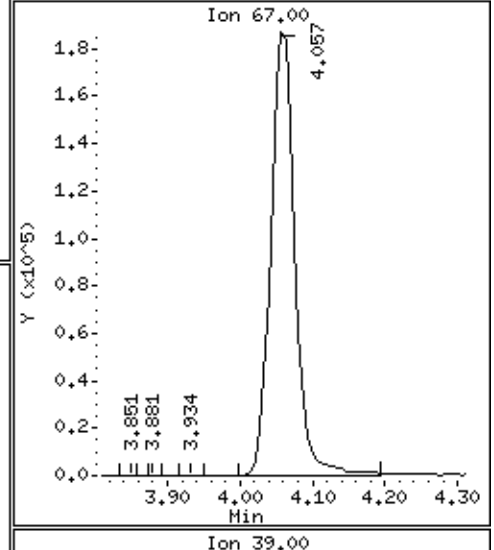


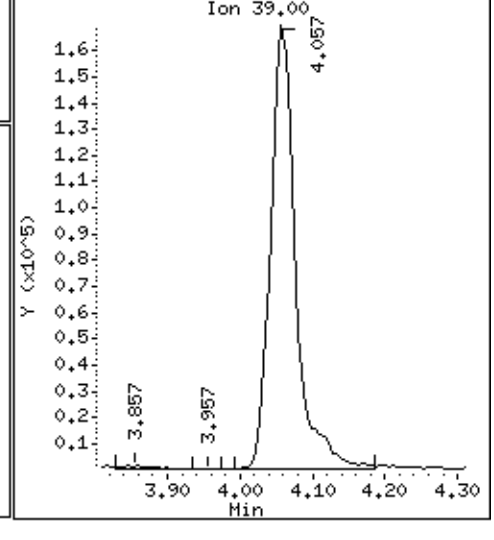












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

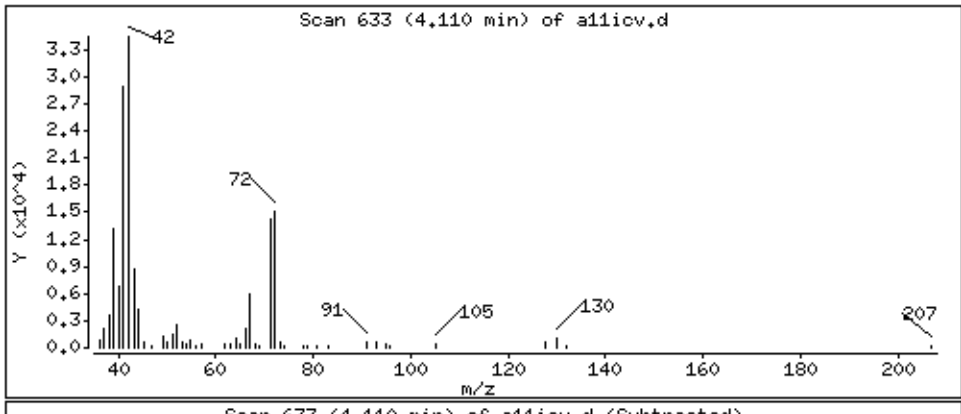
Operator: rsw

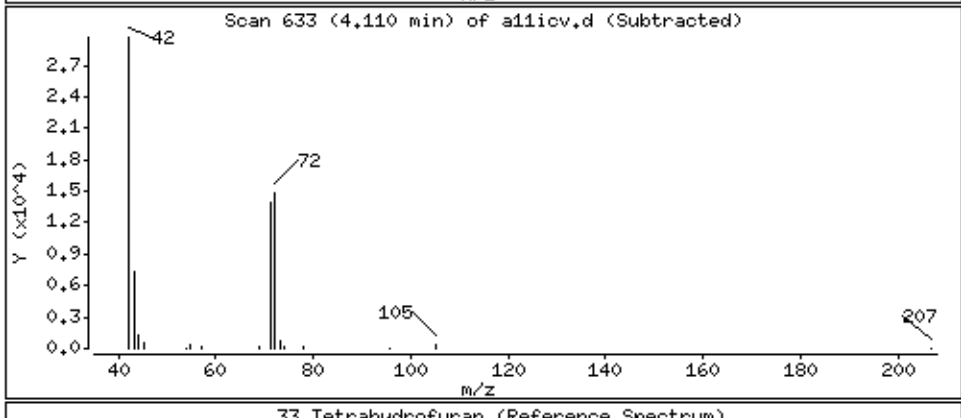
Column phase: DB-624

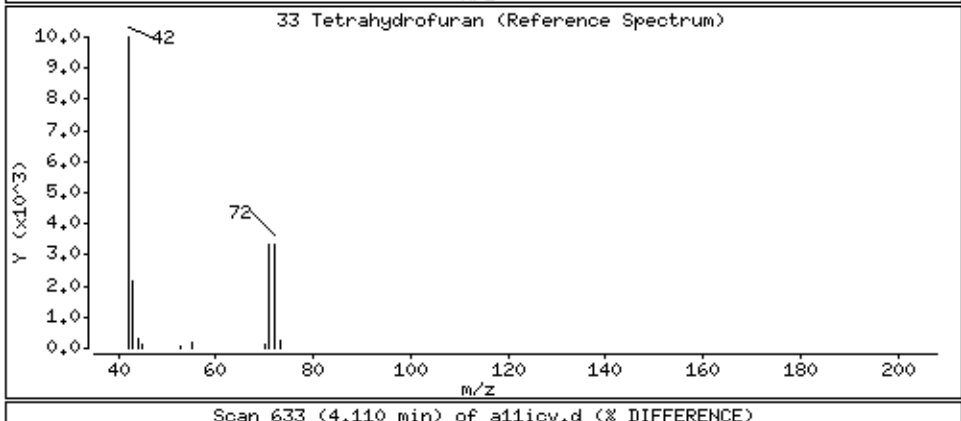
Column diameter: 0.18

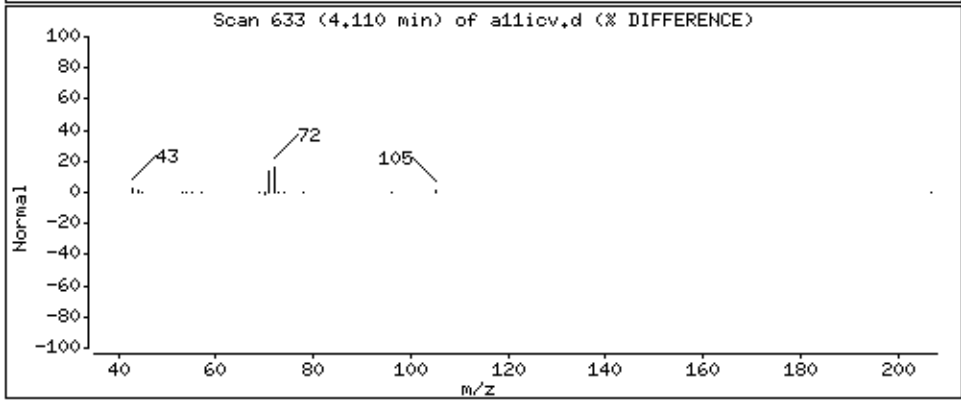
33 Tetrahydrofuran

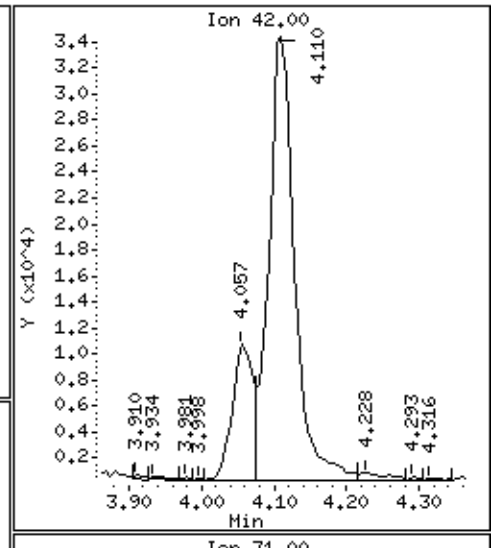
Concentration: 31.9 ppb

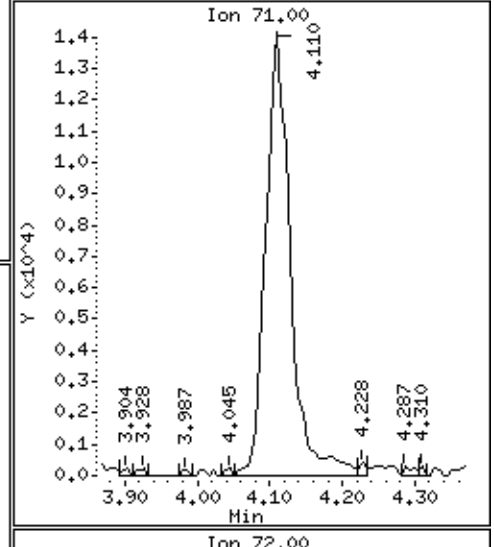


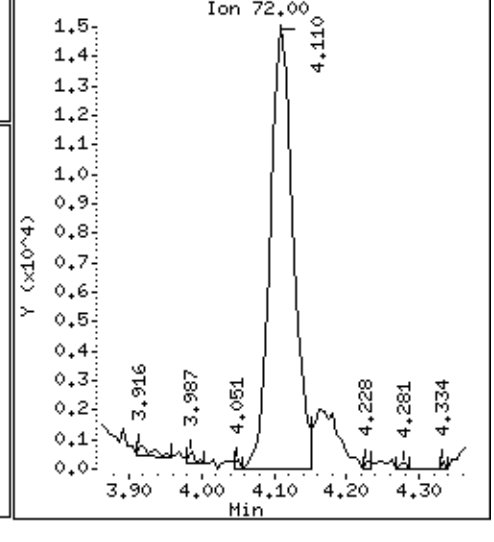












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

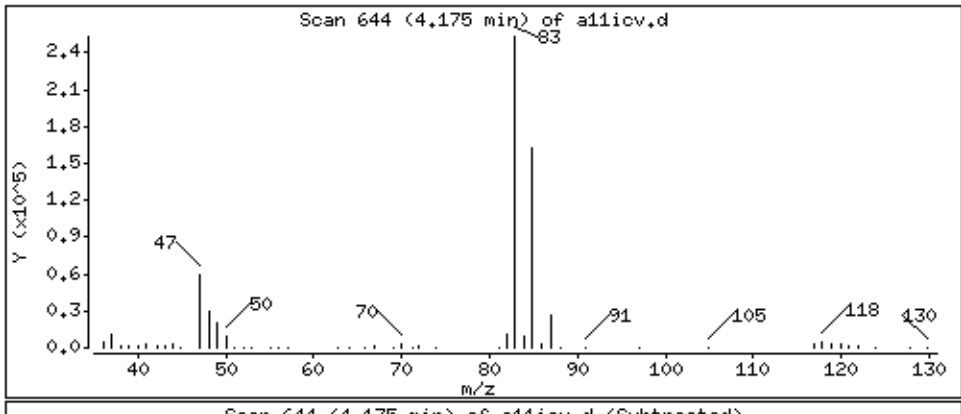
Operator: rsw

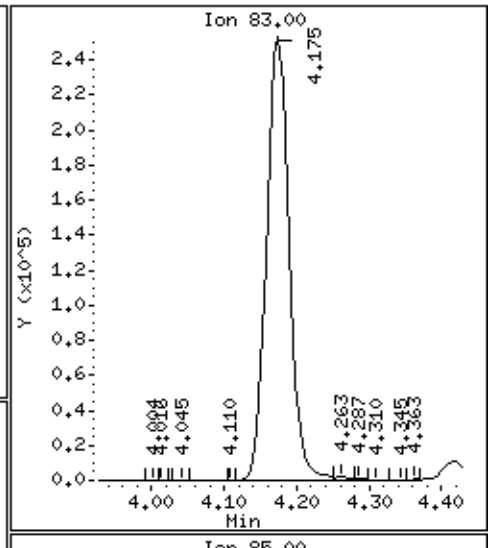
Column phase: DB-624

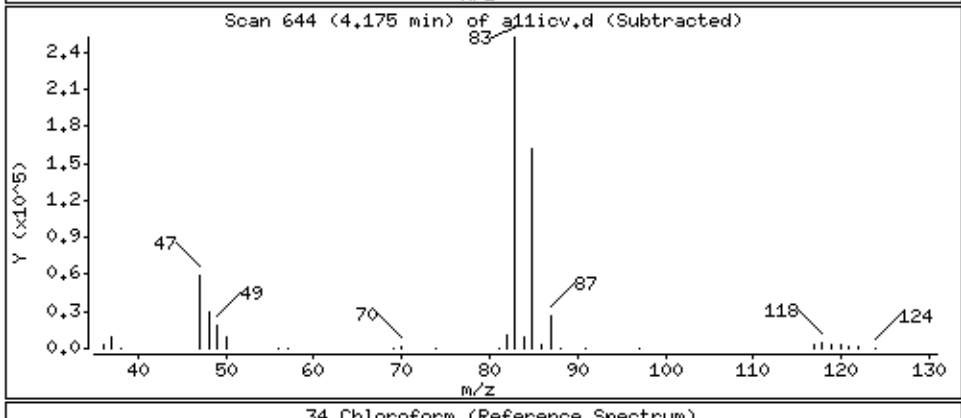
Column diameter: 0.18

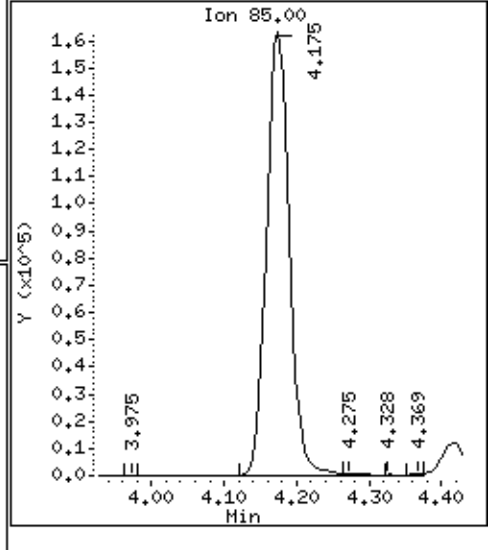
34 Chloroform

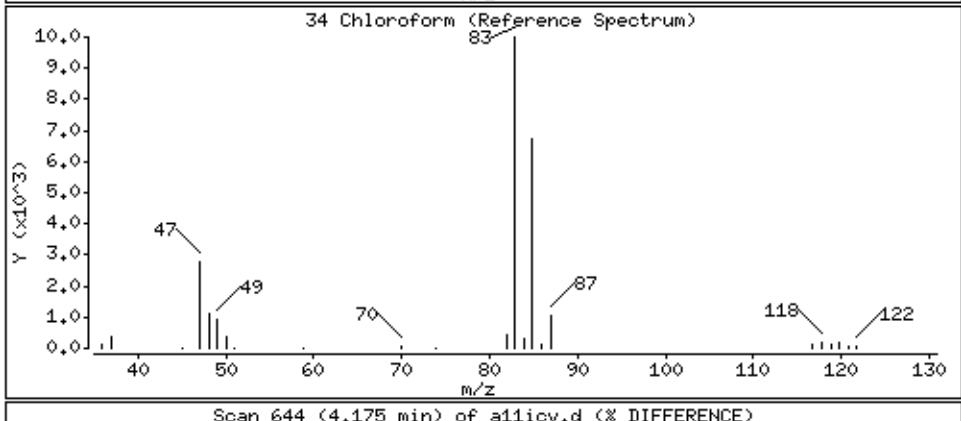
Concentration: 53.7 ppb

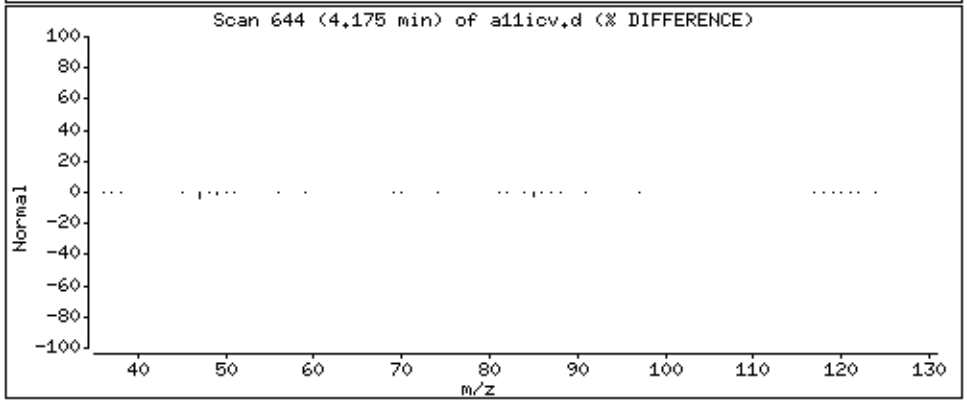












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

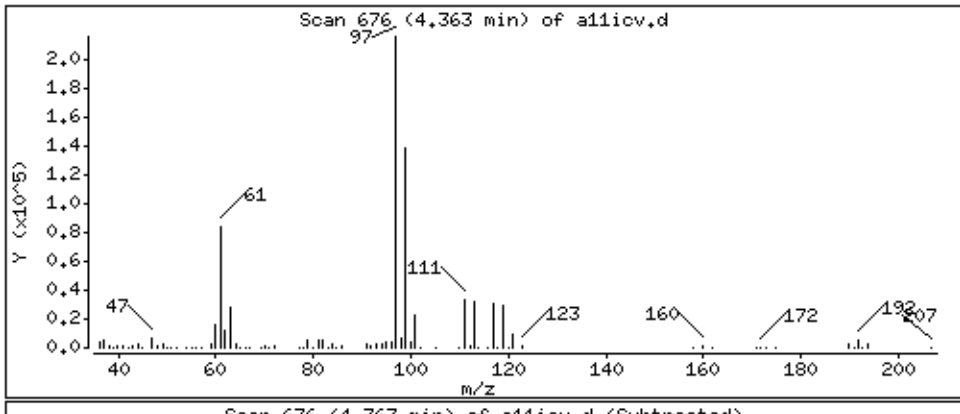
Operator: rsw

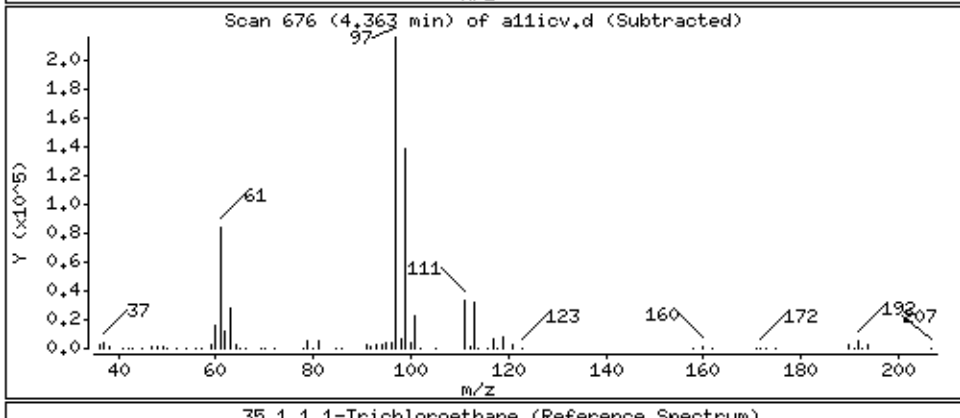
Column phase: DB-624

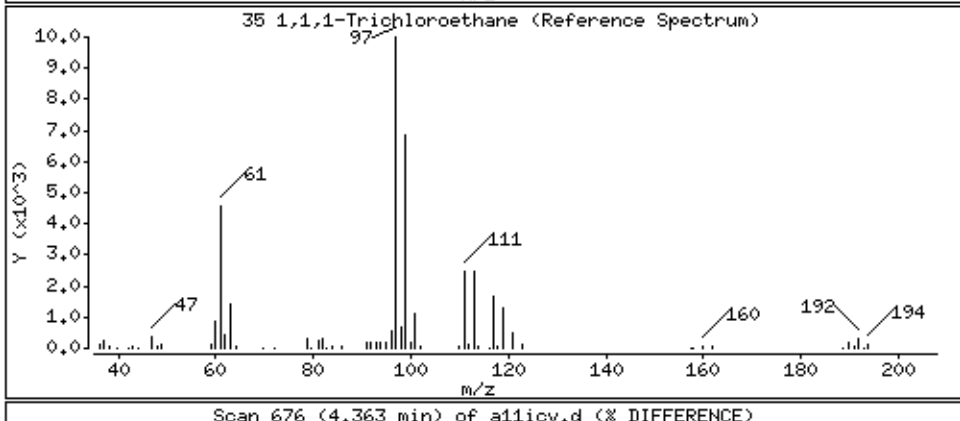
Column diameter: 0.18

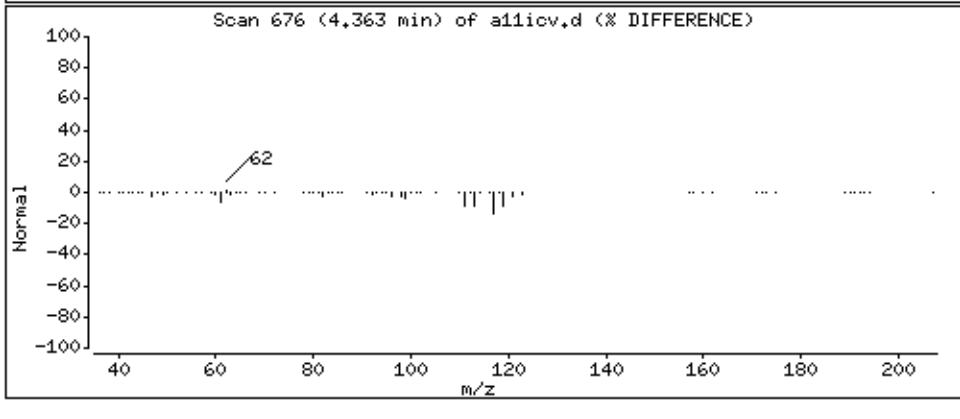
35 1,1,1-Trichloroethane

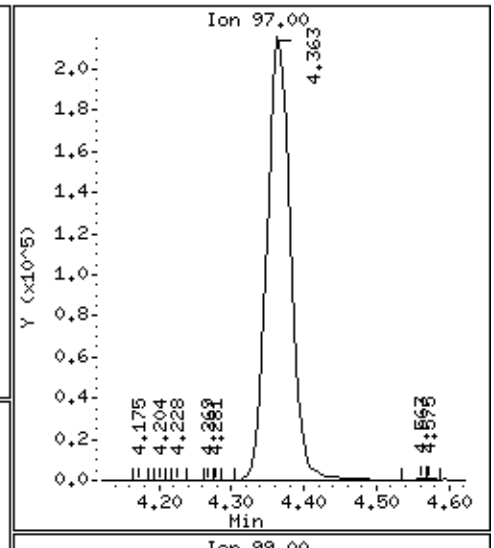
Concentration: 51.8 ppb

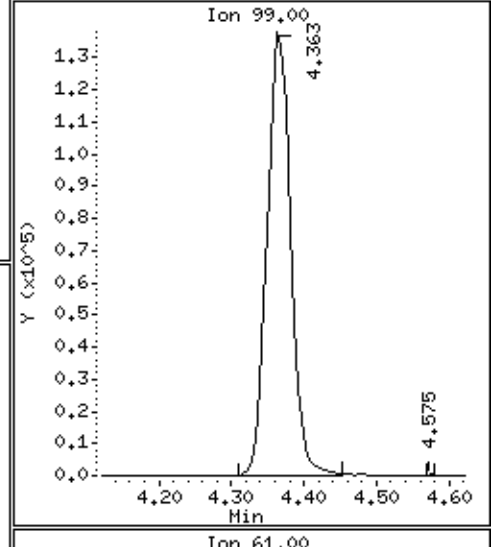


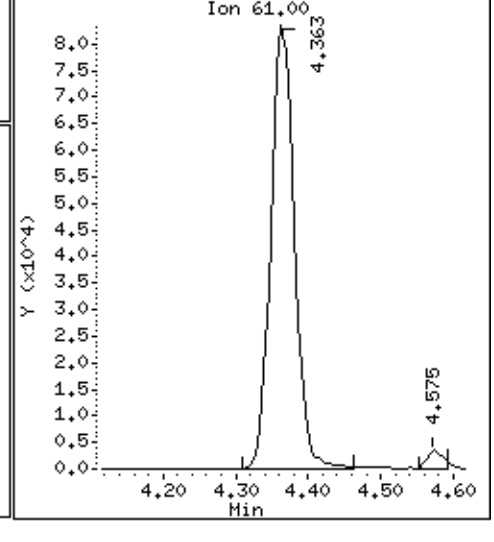












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

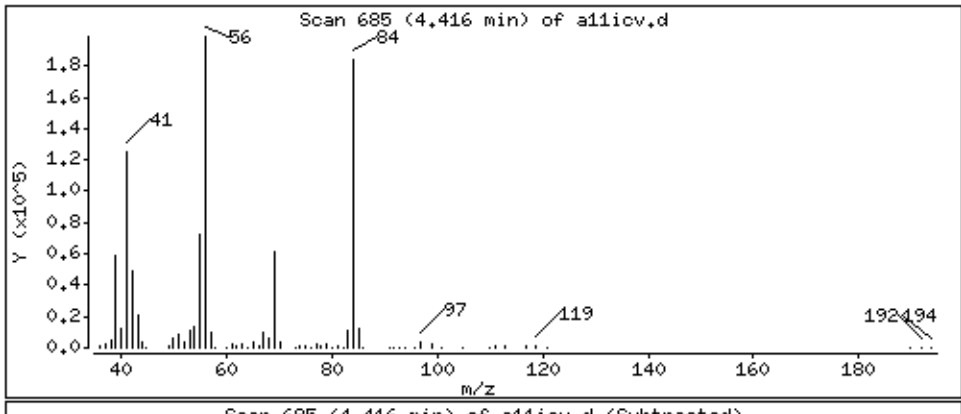
Operator: rsw

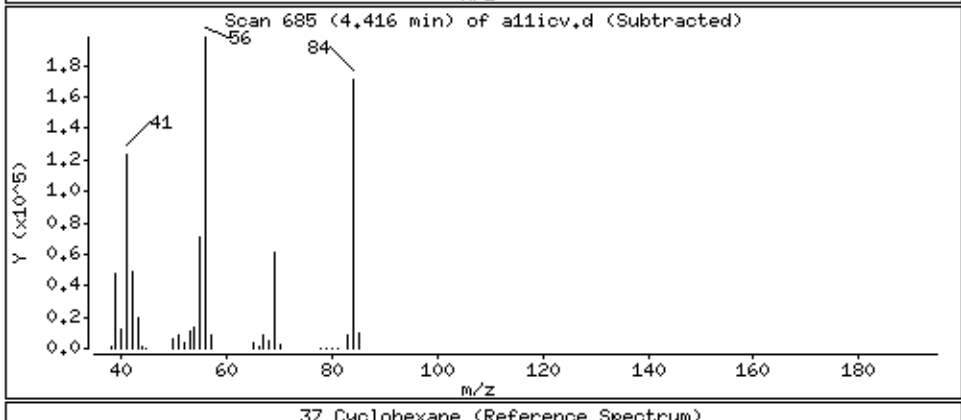
Column phase: DB-624

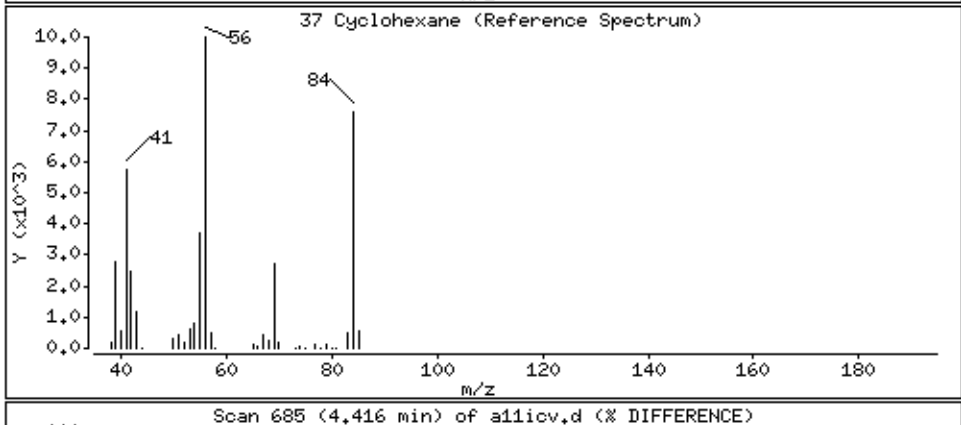
Column diameter: 0.18

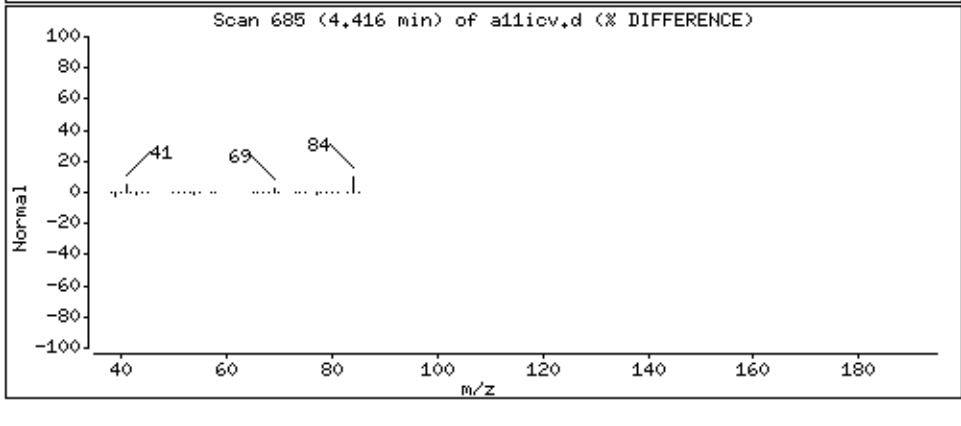
37 Cyclohexane

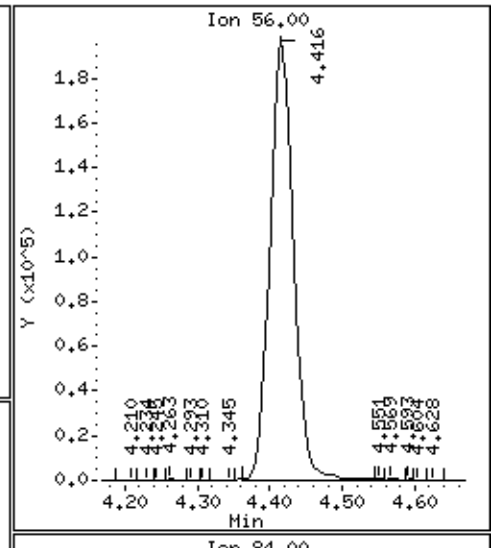
Concentration: 52.0 ppb

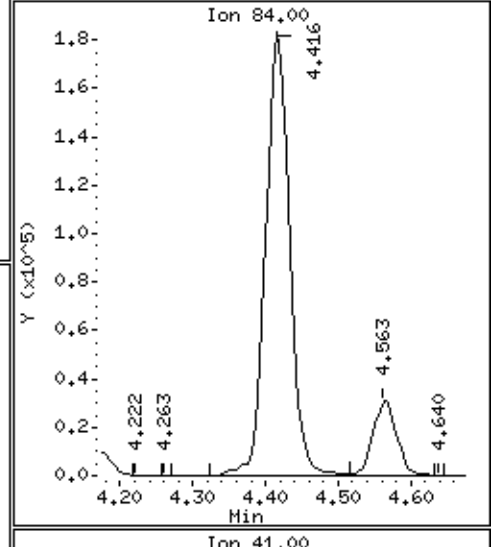


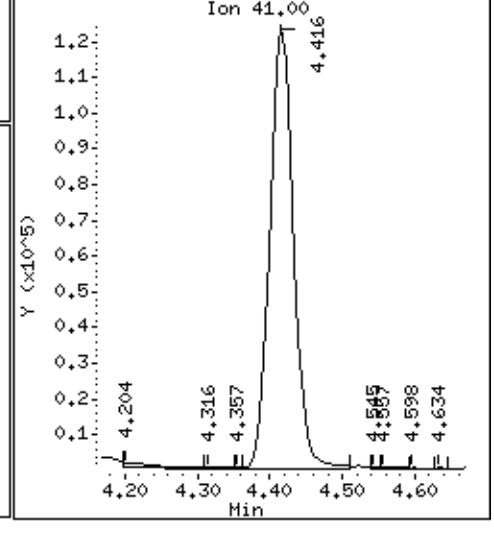












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

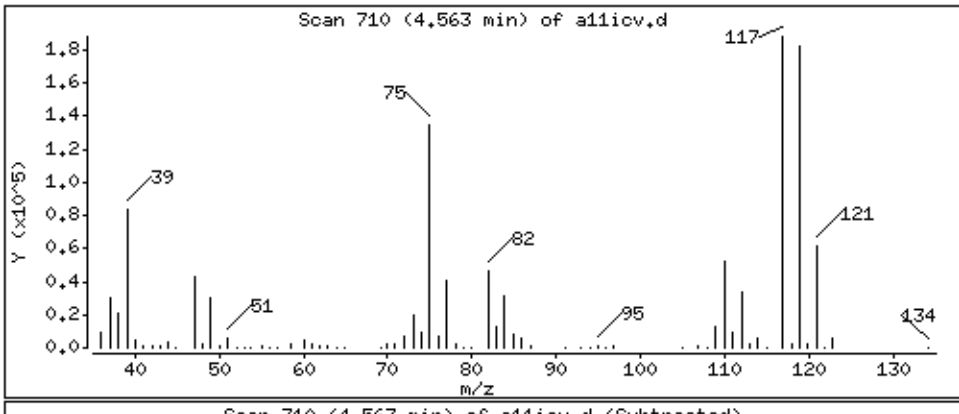
Operator: rsw

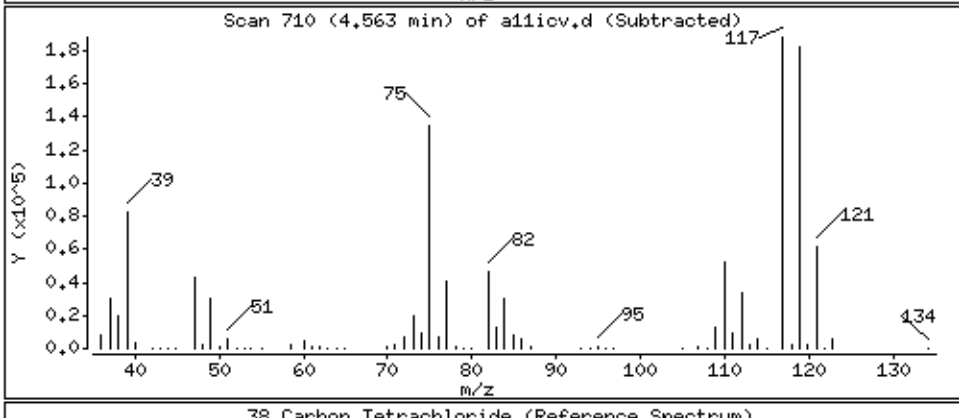
Column phase: DB-624

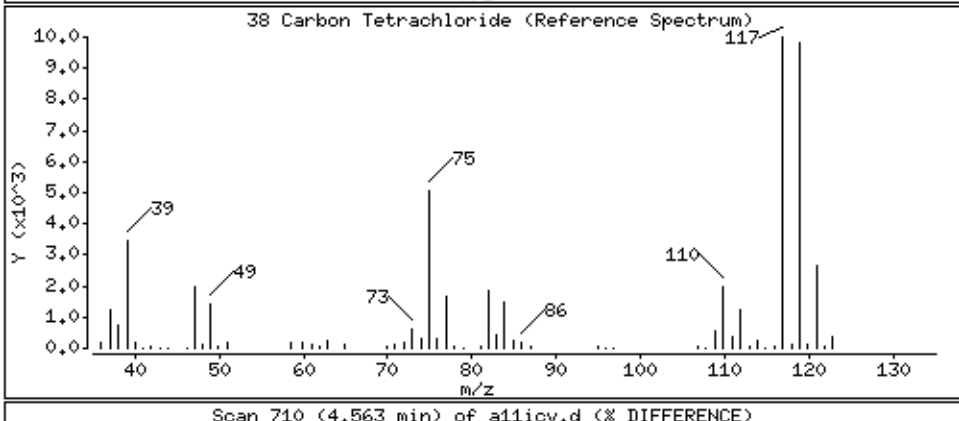
Column diameter: 0.18

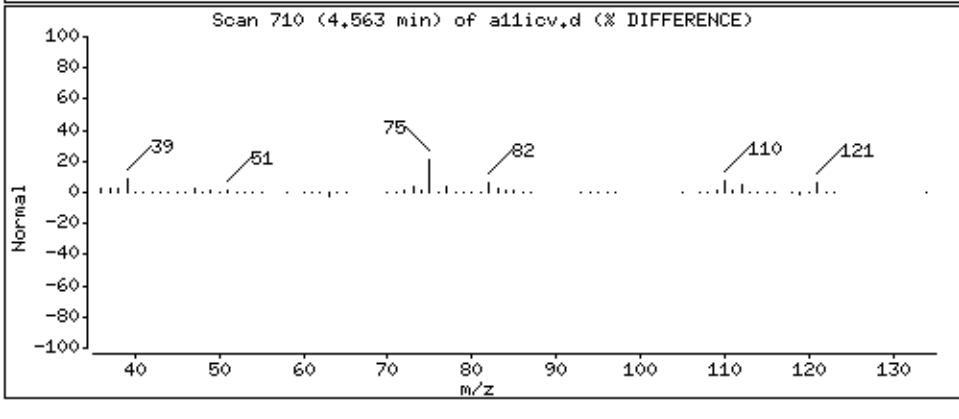
38 Carbon Tetrachloride

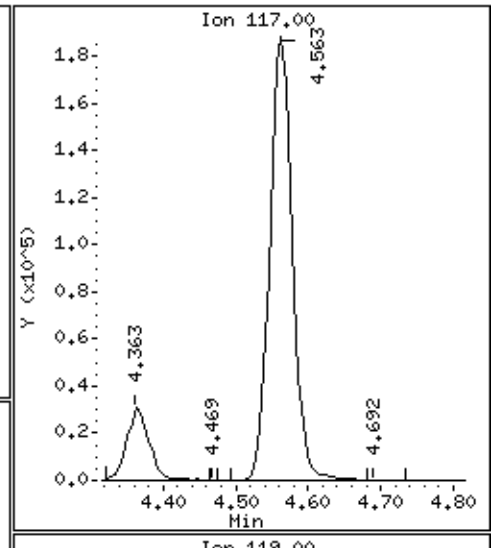
Concentration: 54.6 ppb

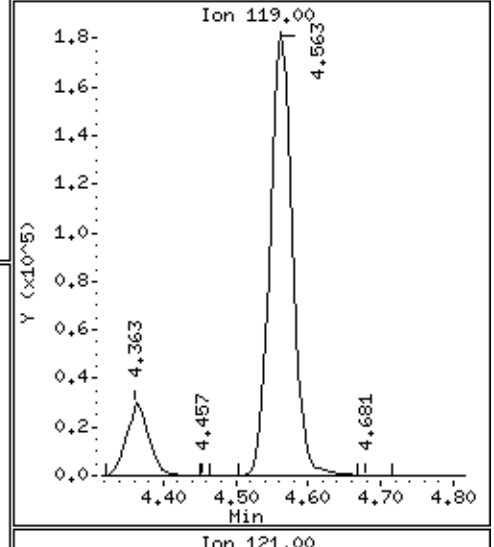


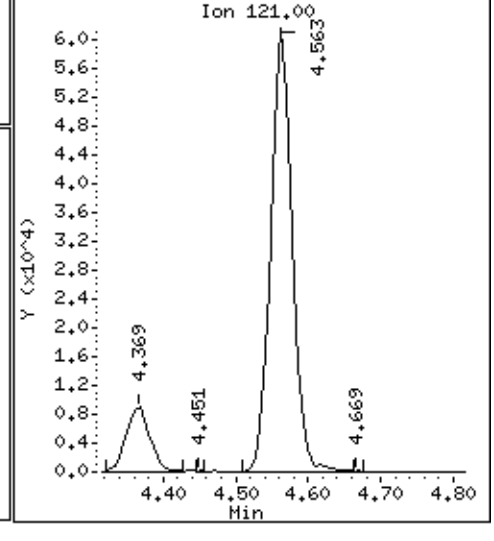












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

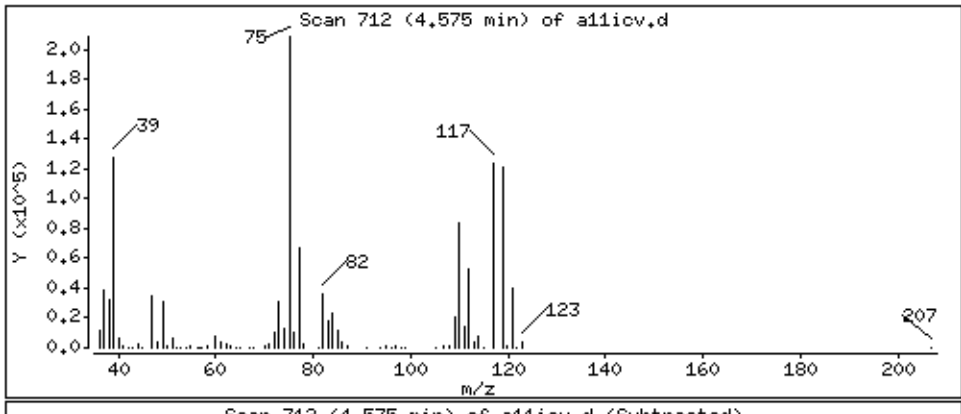
Operator: rsw

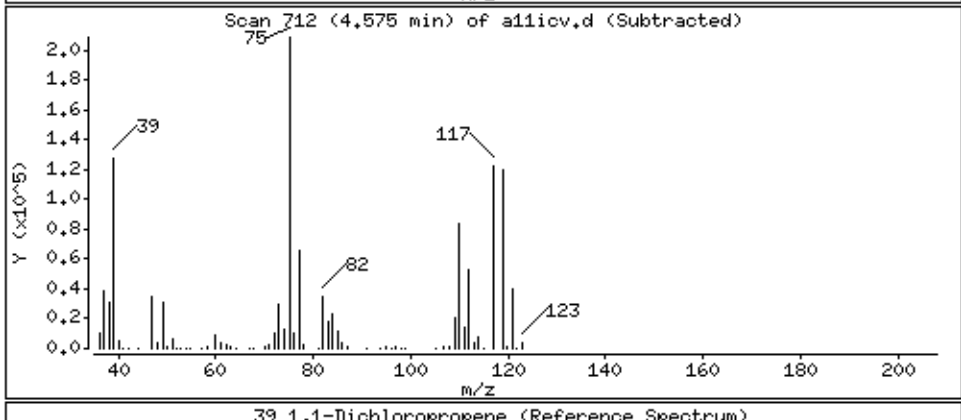
Column phase: DB-624

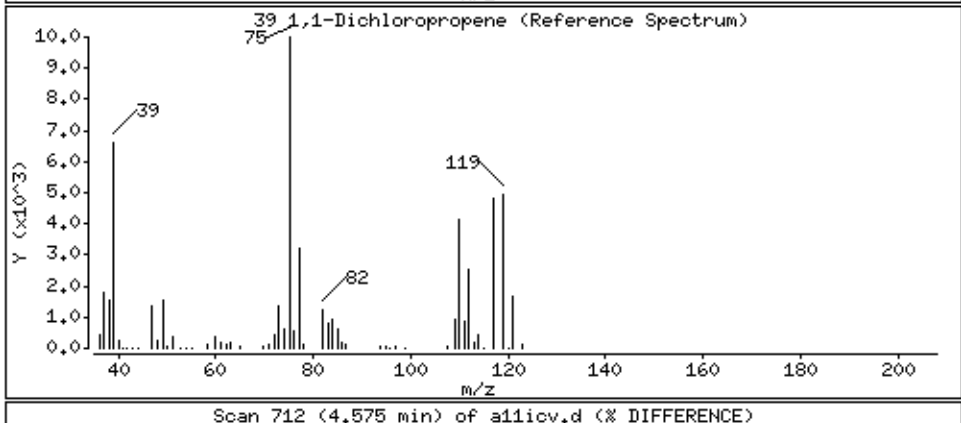
Column diameter: 0.18

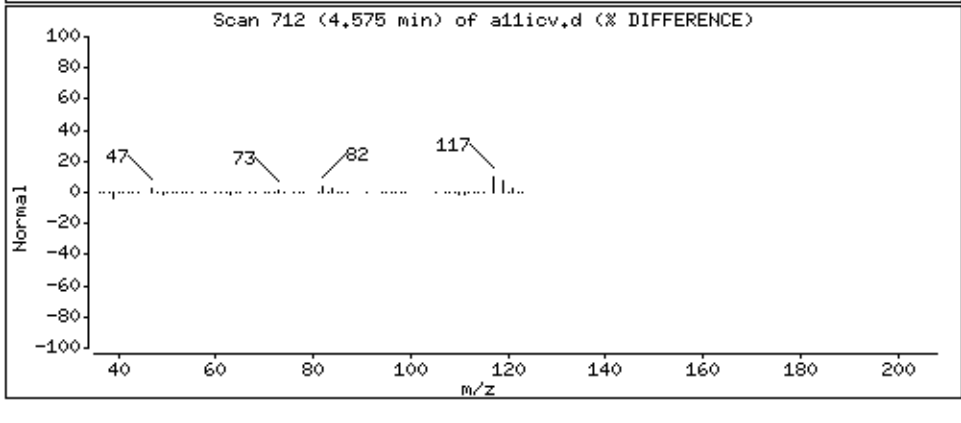
39 1,1-Dichloropropene

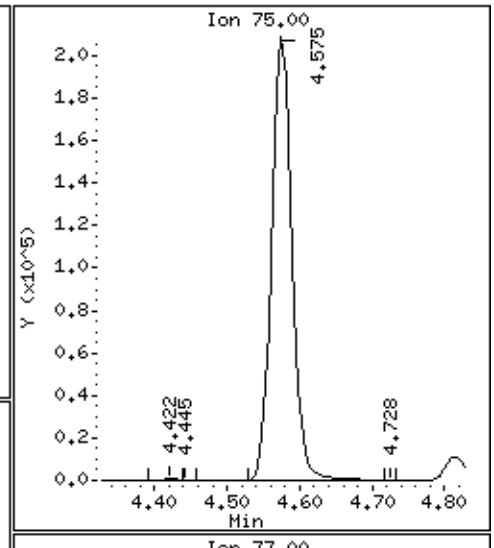
Concentration: 53.7 ppb

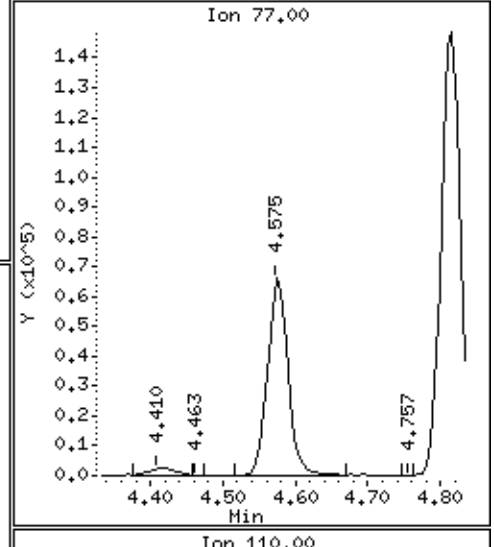


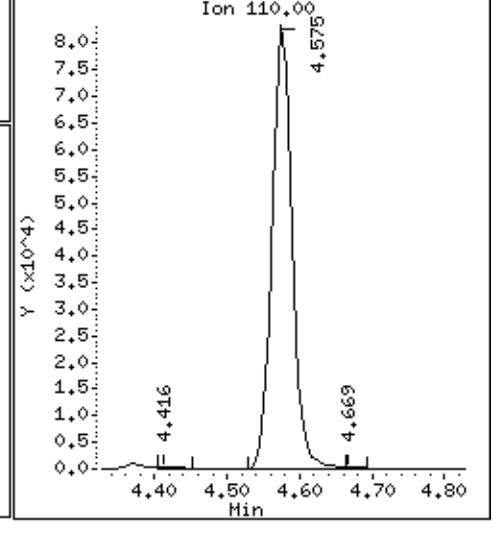












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

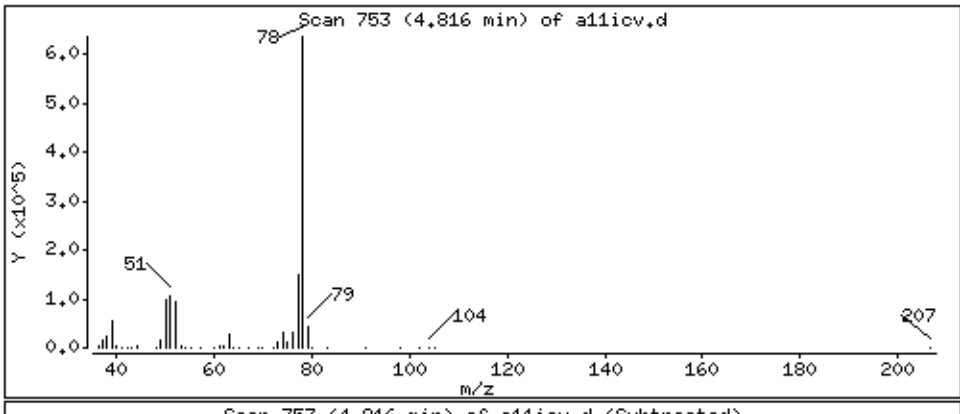
Operator: rsw

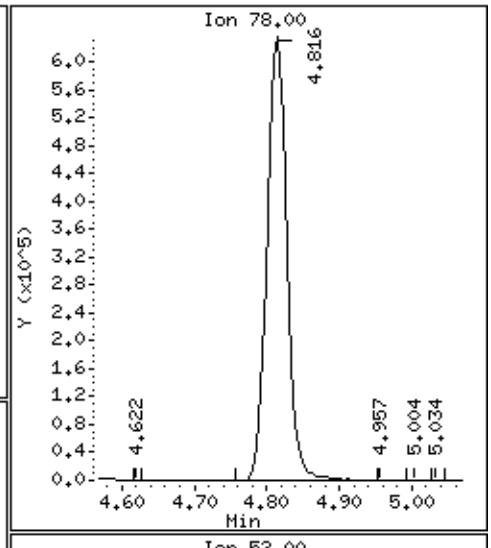
Column phase: DB-624

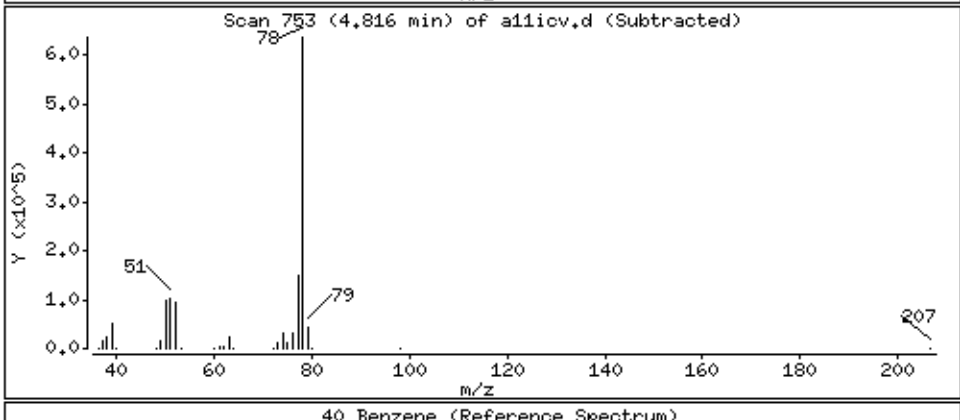
Column diameter: 0.18

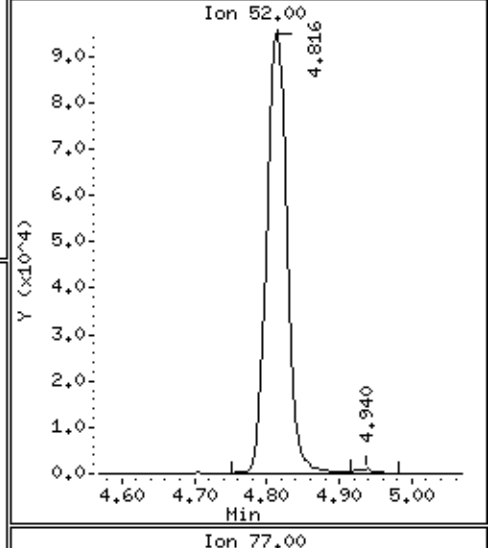
40 Benzene

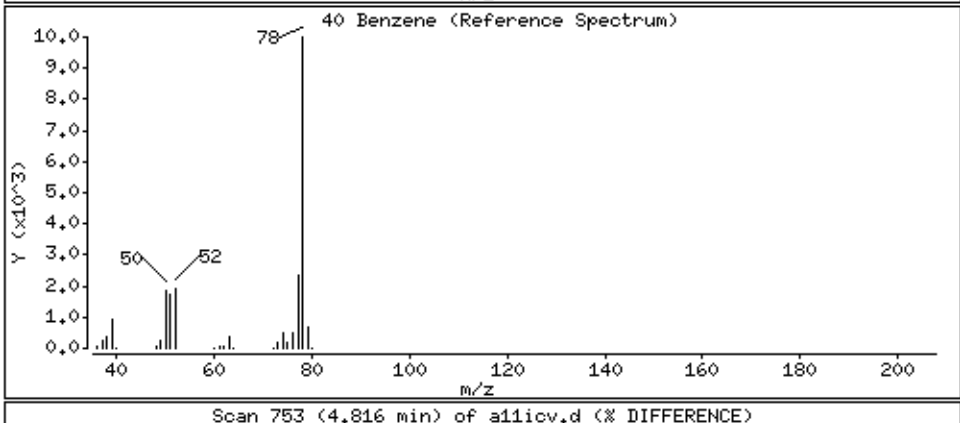
Concentration: 57.4 ppb

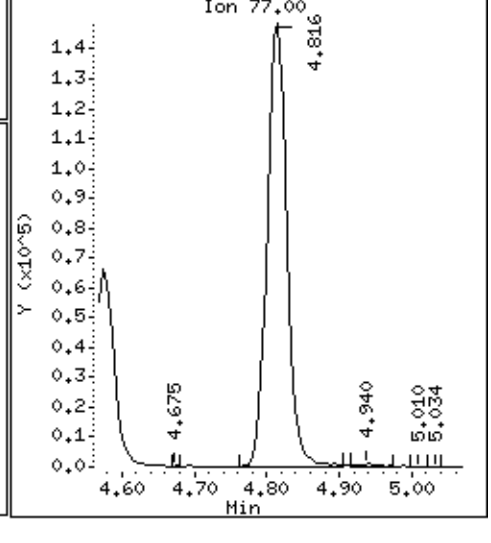


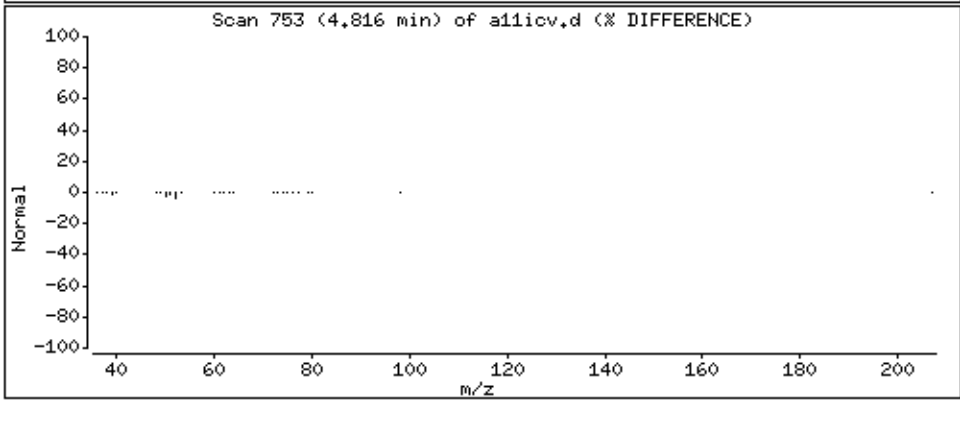












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

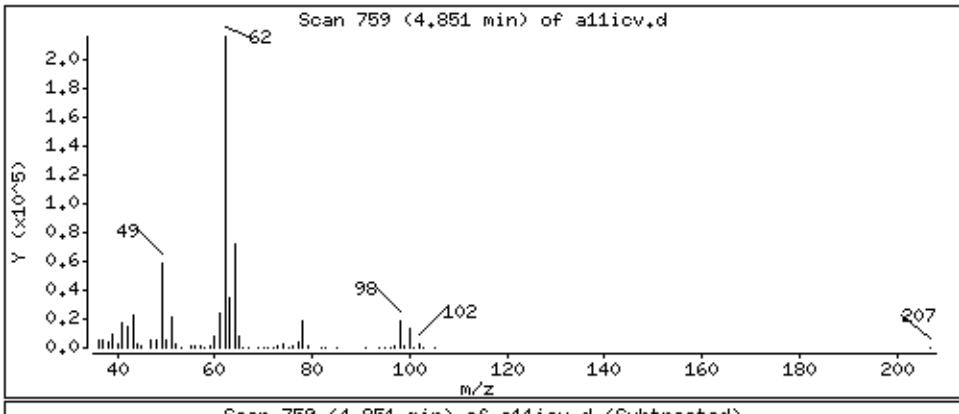
Operator: rsw

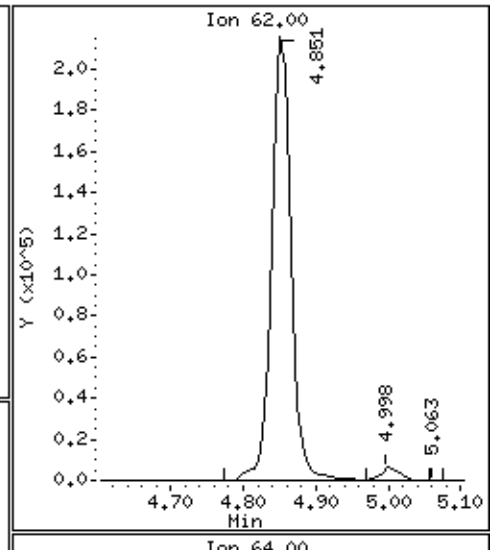
Column phase: DB-624

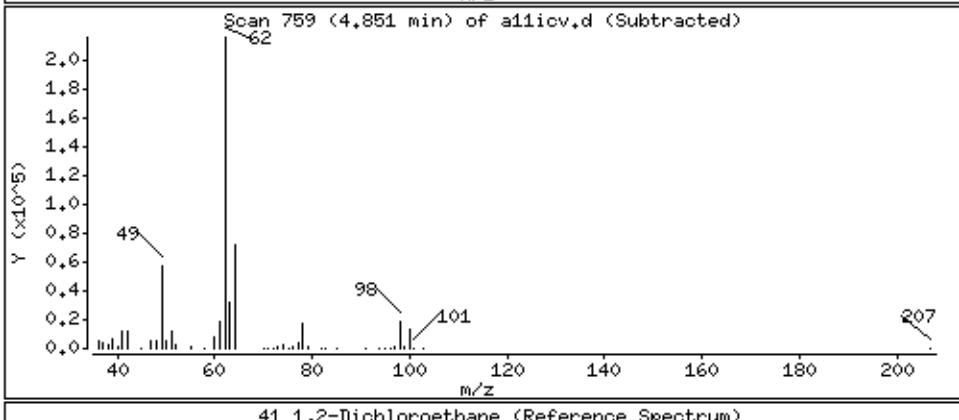
Column diameter: 0.18

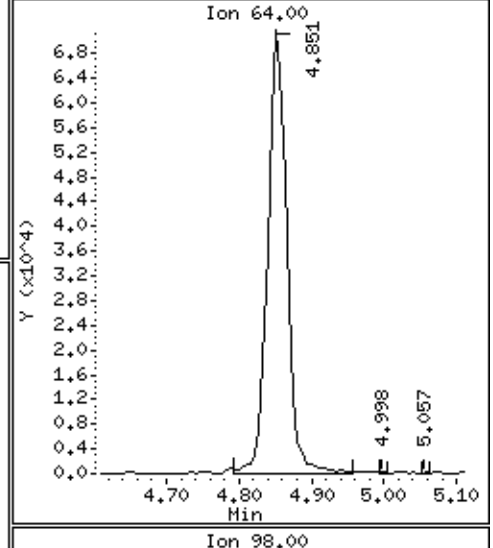
41 1,2-Dichloroethane

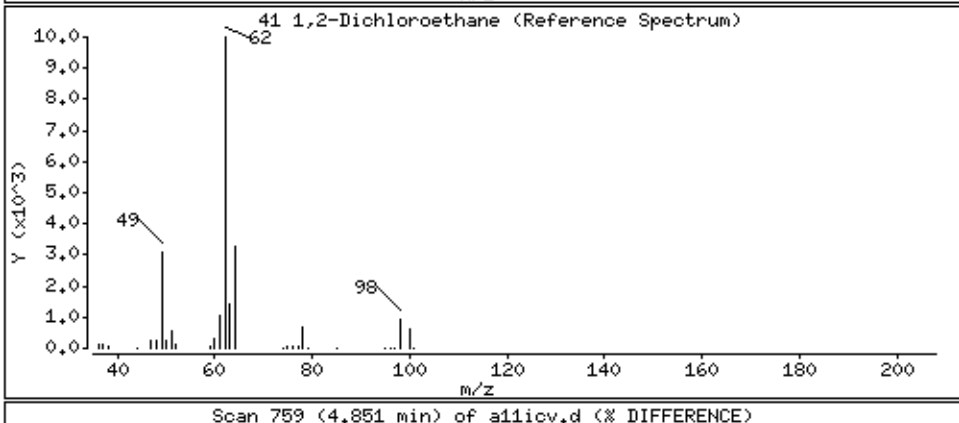
Concentration: 54.4 ppb

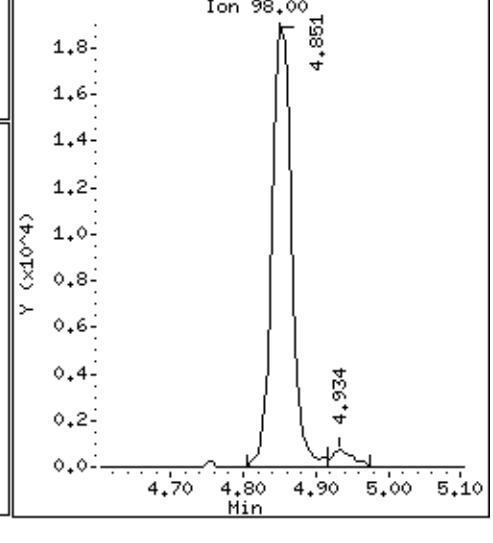


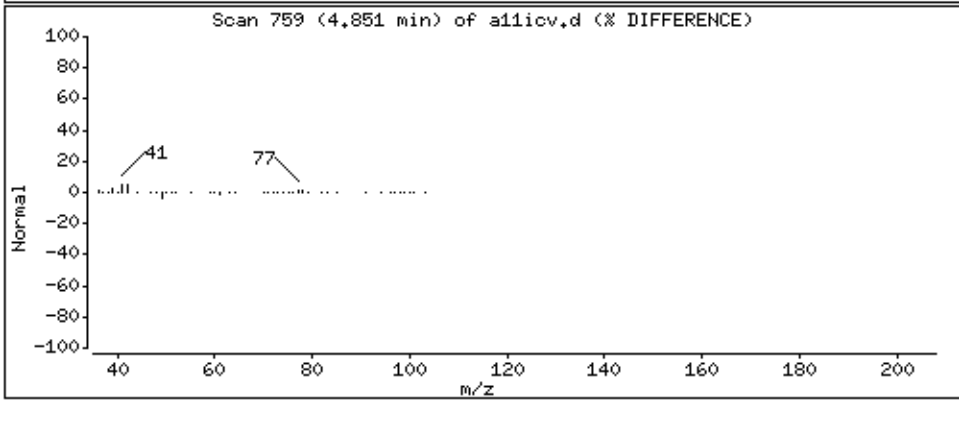












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

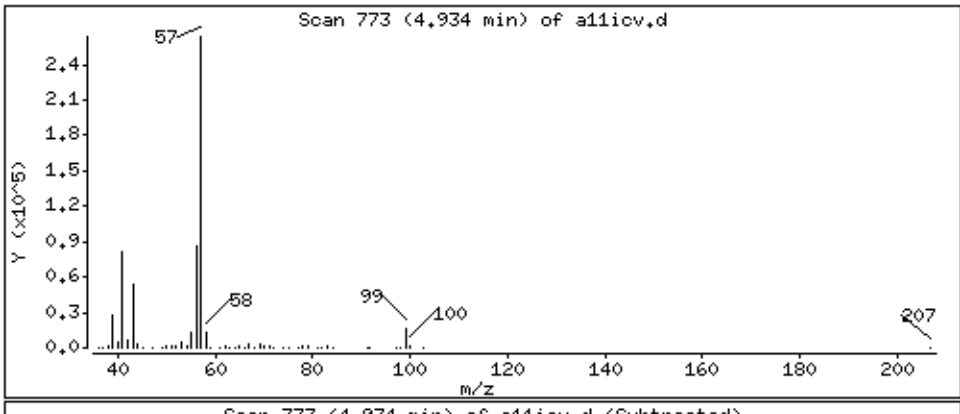
Operator: rsw

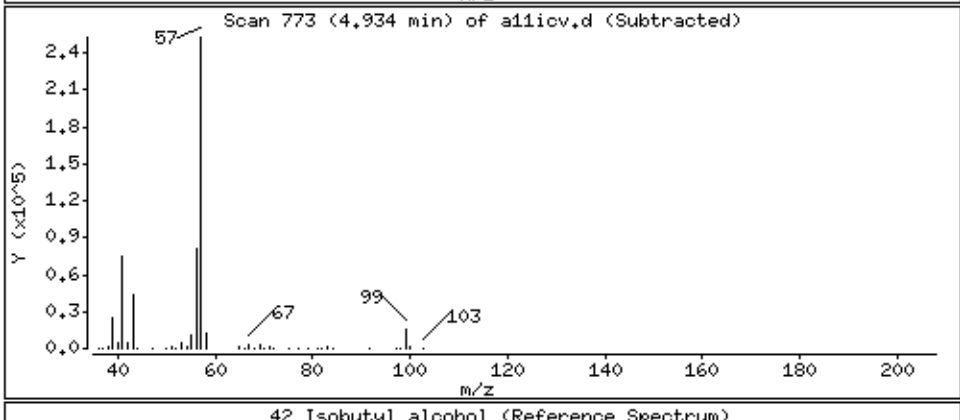
Column phase: DB-624

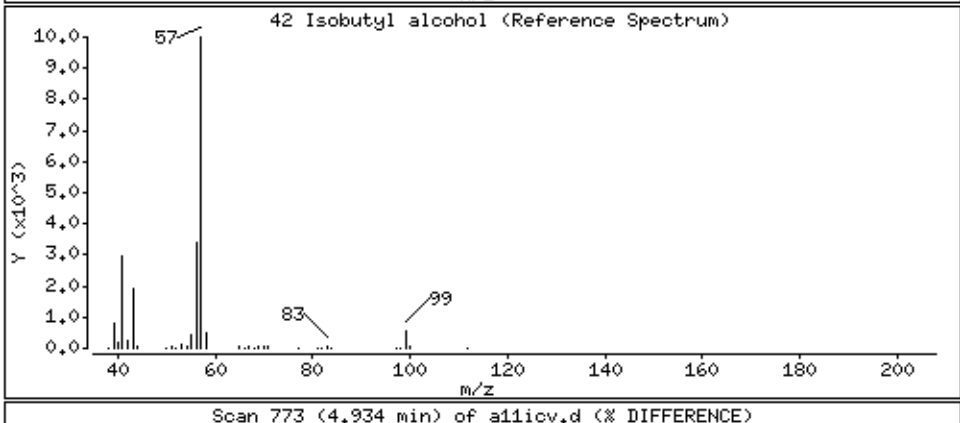
Column diameter: 0.18

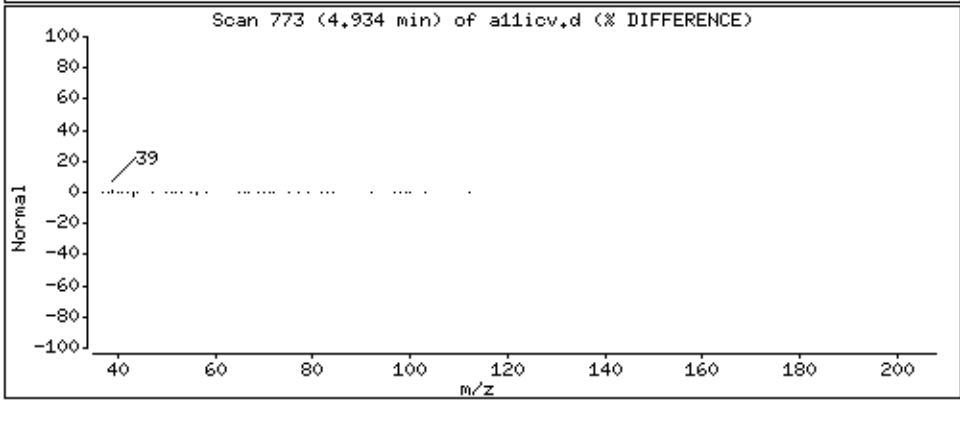
42 Isobutyl alcohol

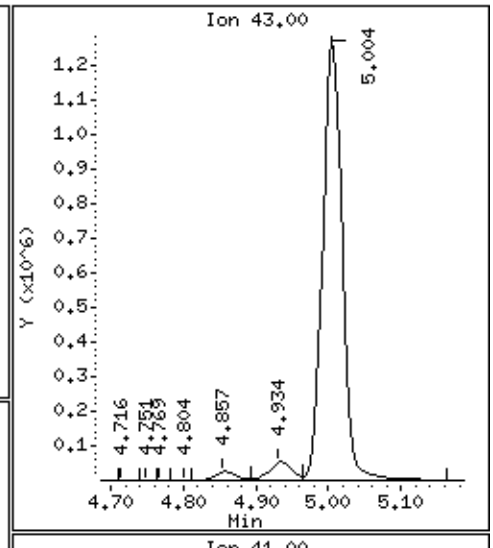
Concentration: 43.2 ppb

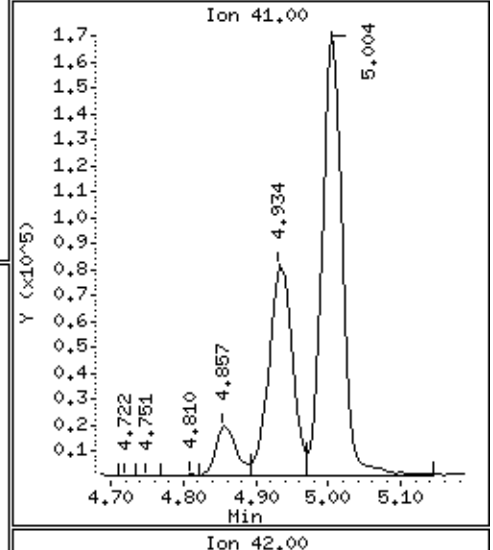


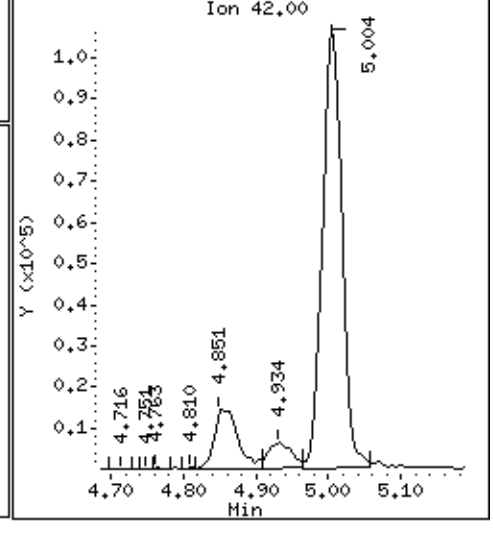












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

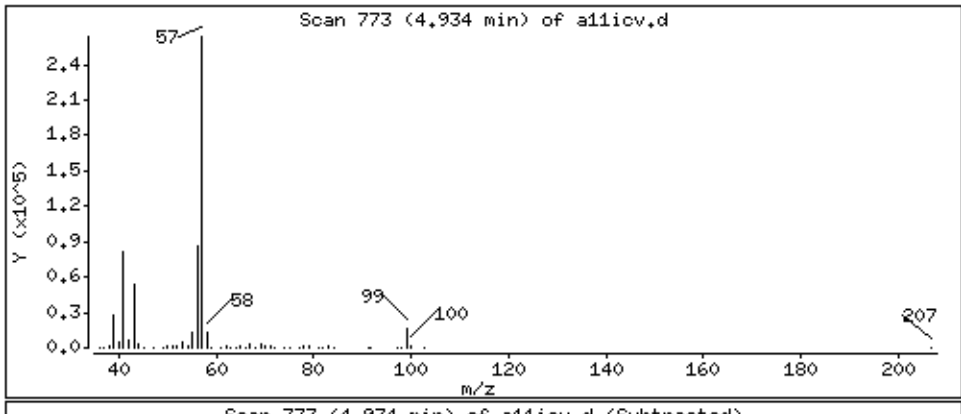
Operator: rsw

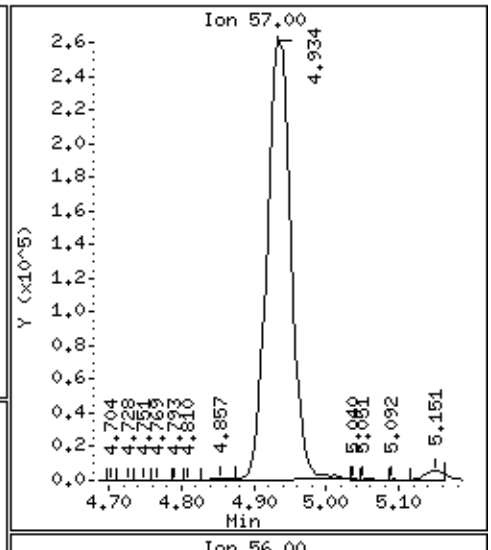
Column phase: DB-624

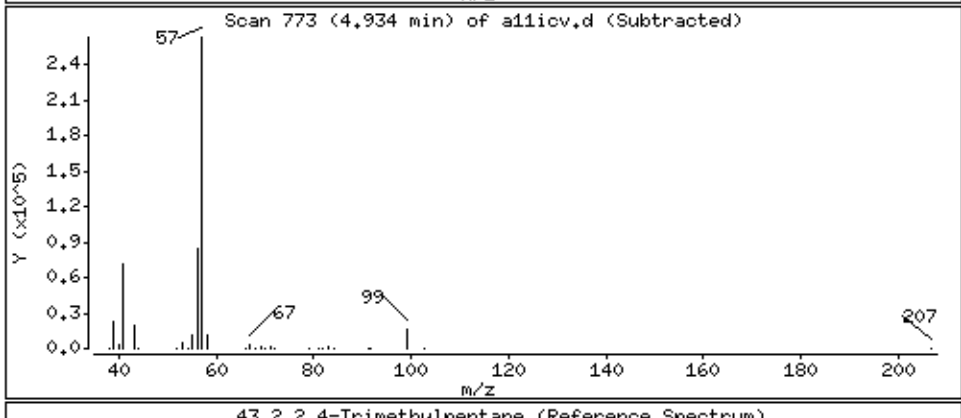
Column diameter: 0.18

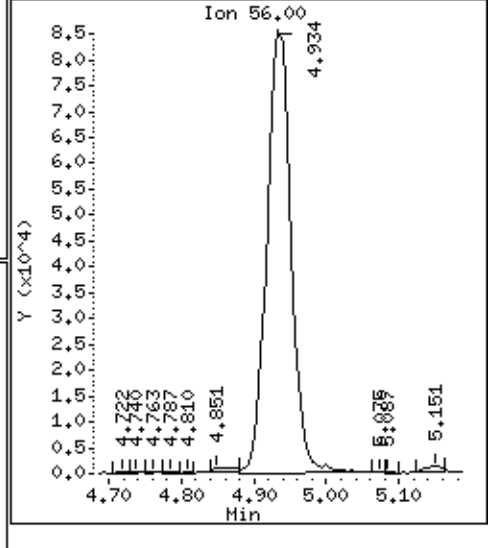
43 2,2,4-Trimethylpentane

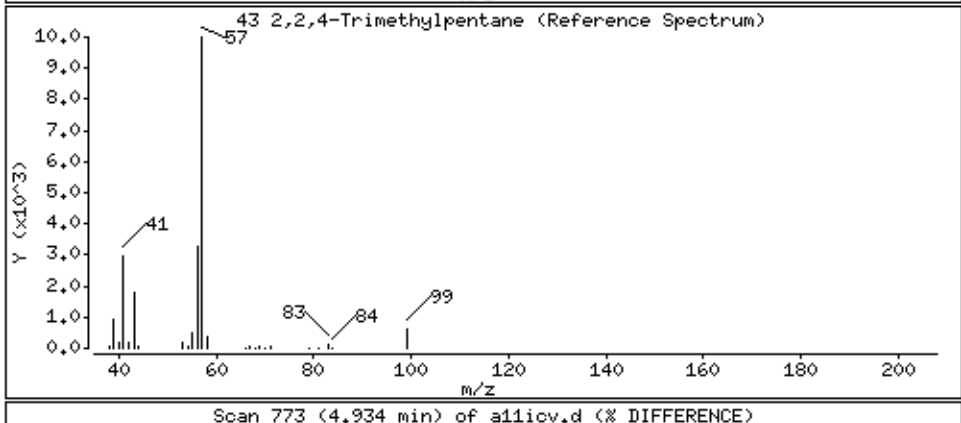
Concentration: 48.4 ppb

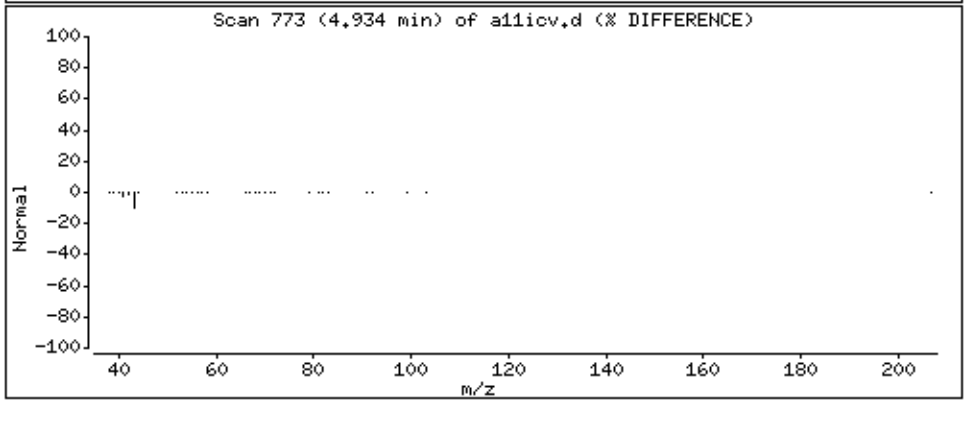












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

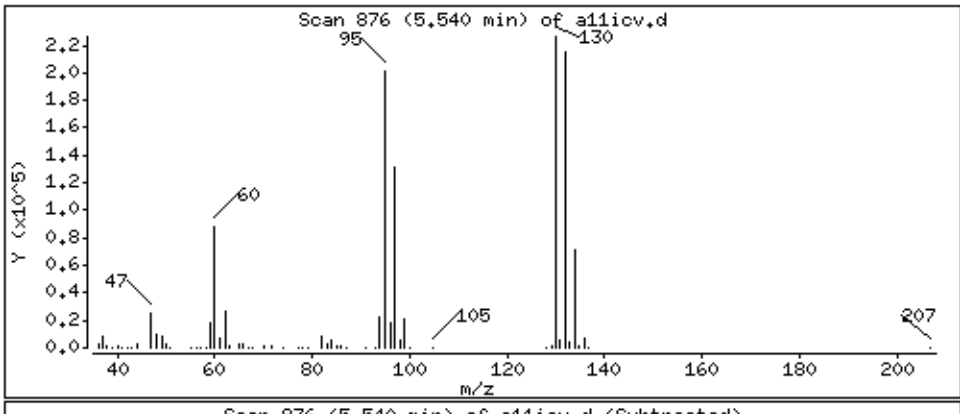
Operator: rsw

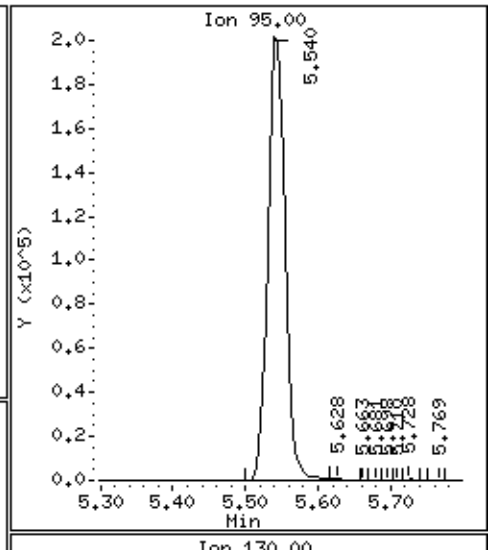
Column phase: DB-624

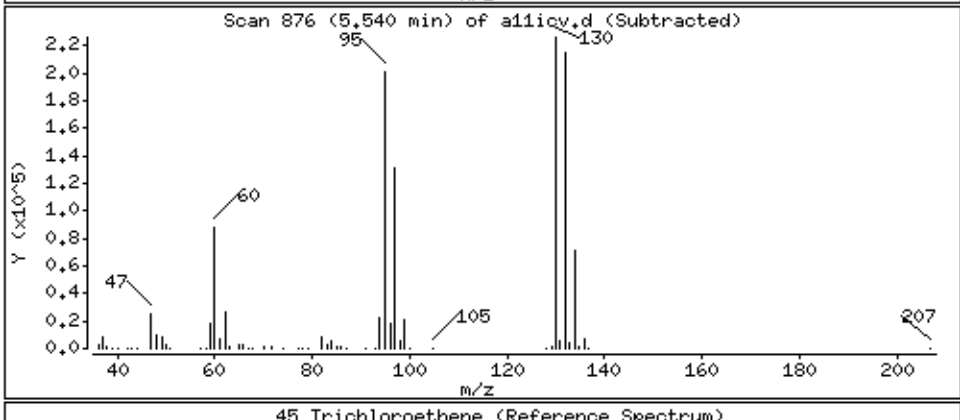
Column diameter: 0.18

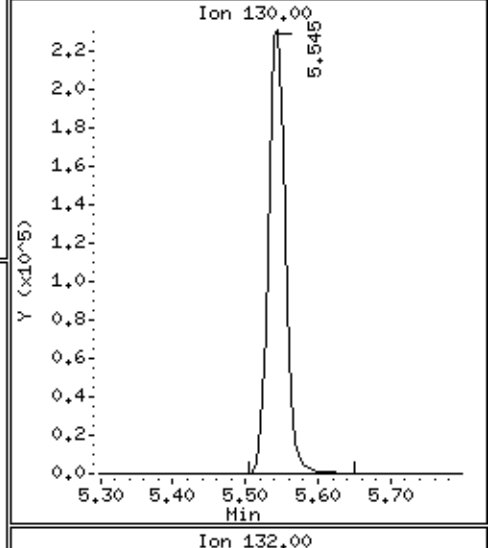
45 Trichloroethene

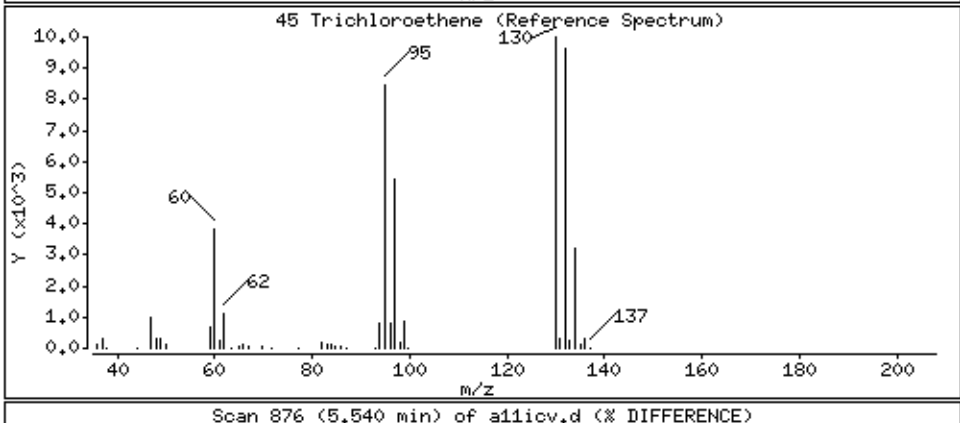
Concentration: 51.6 ppb

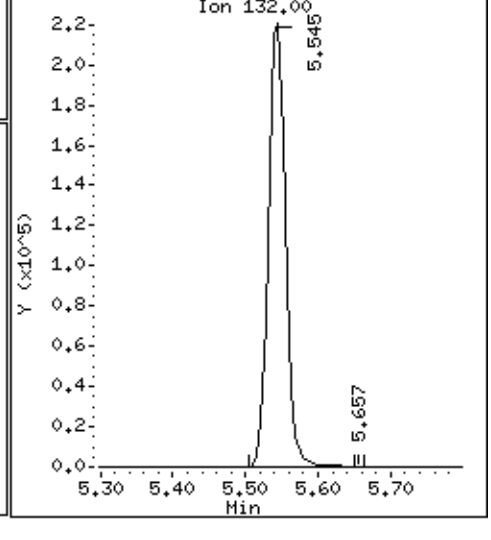


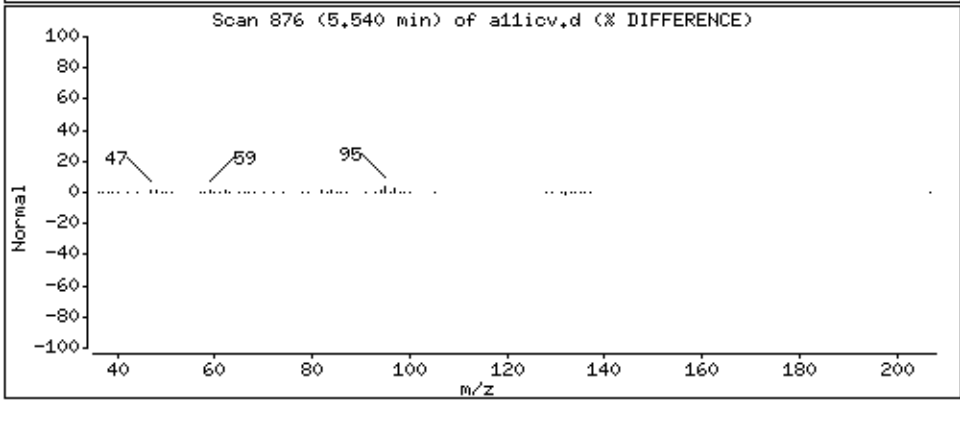












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

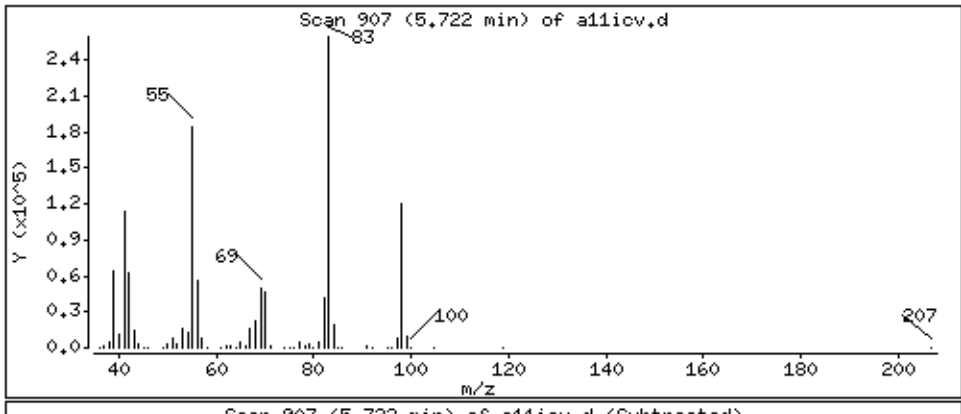
Operator: rsw

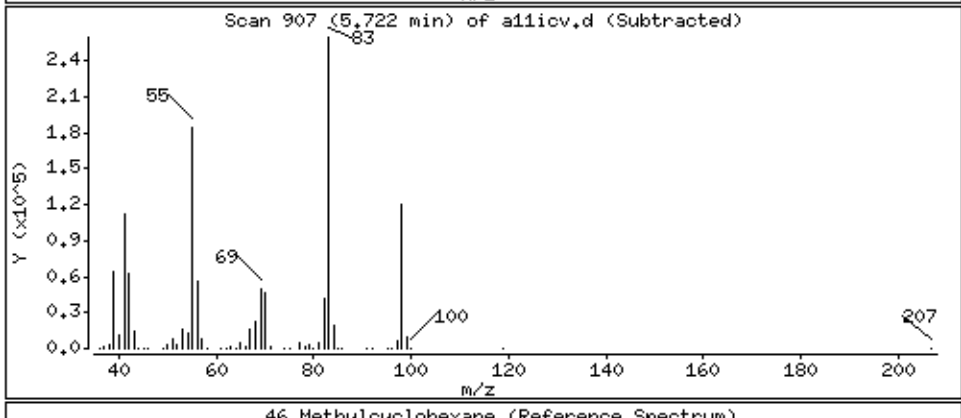
Column phase: DB-624

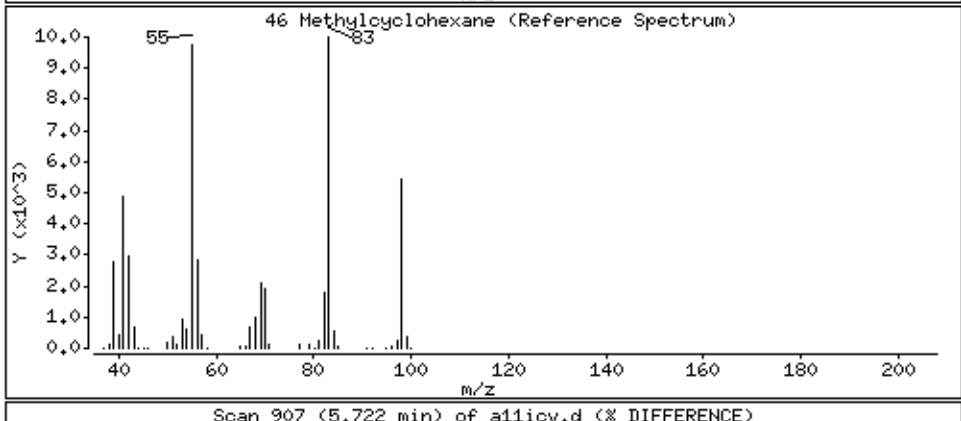
Column diameter: 0.18

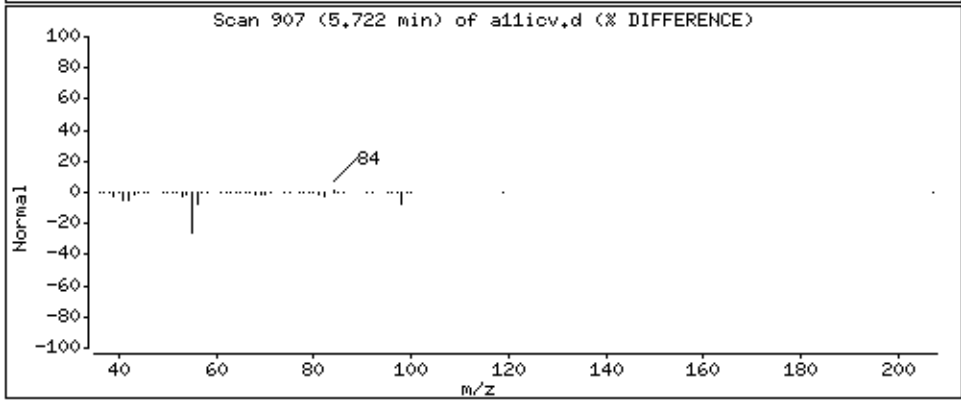
46 Methylcyclohexane

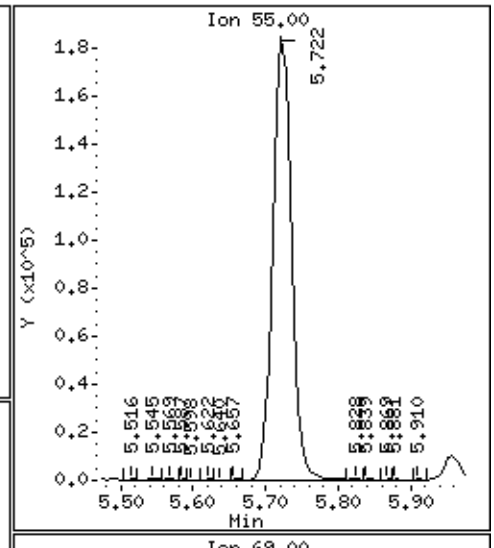
Concentration: 48.0 ppb

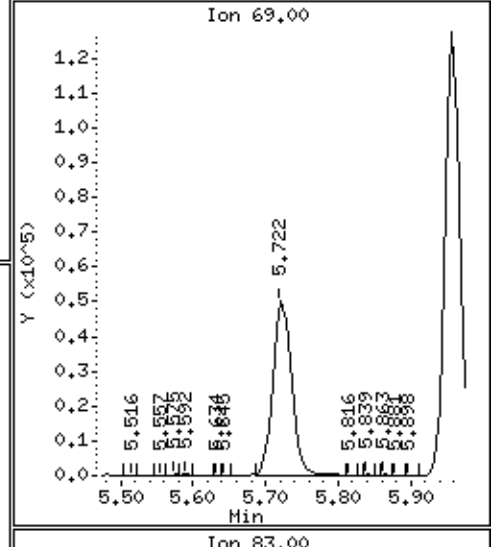


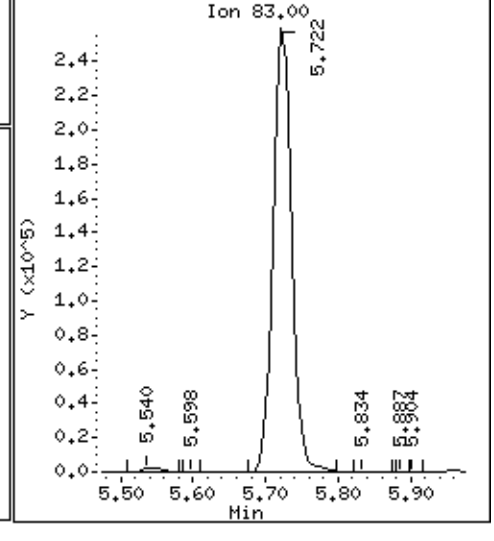












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

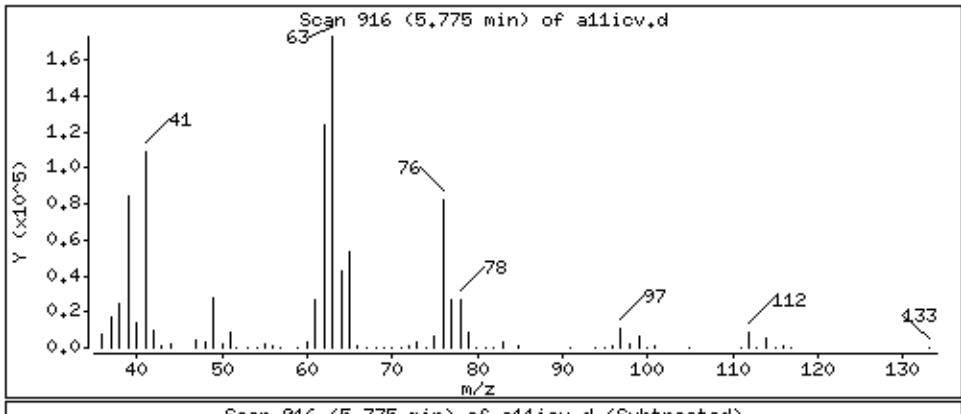
Operator: rsw

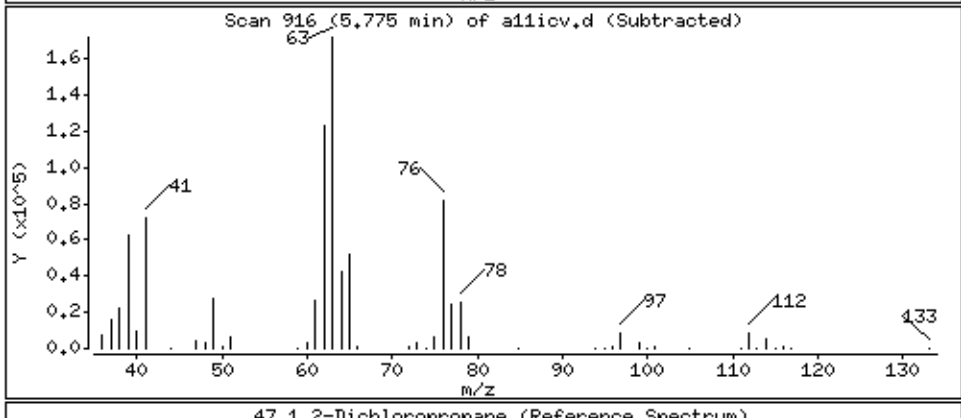
Column phase: DB-624

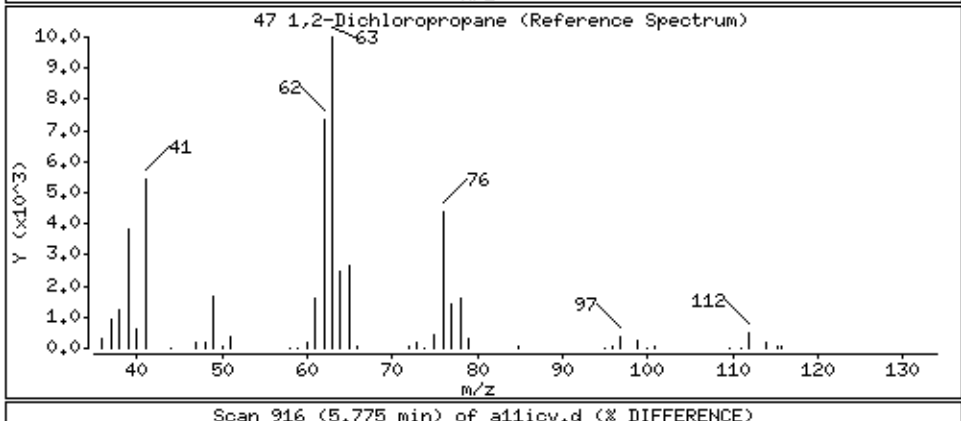
Column diameter: 0.18

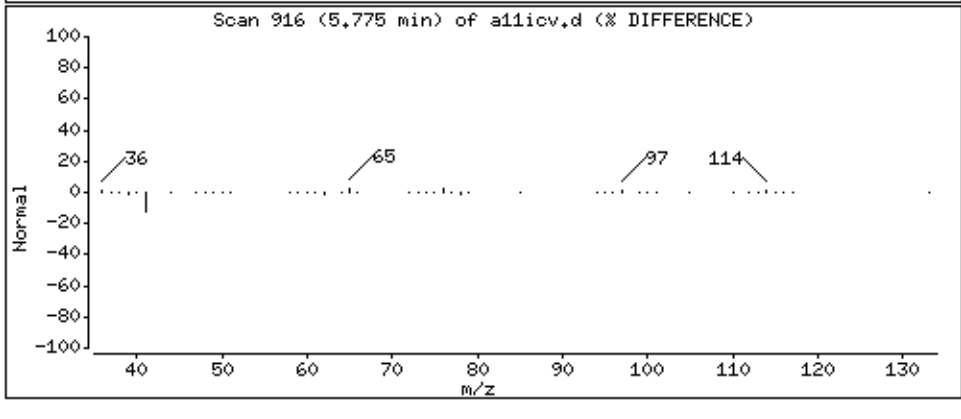
47 1,2-Dichloropropane

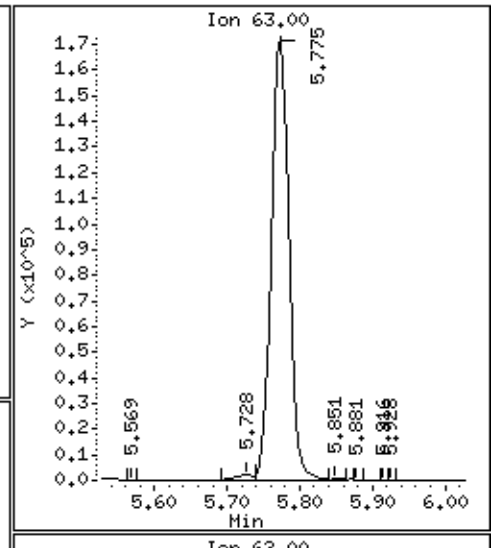
Concentration: 52.6 ppb

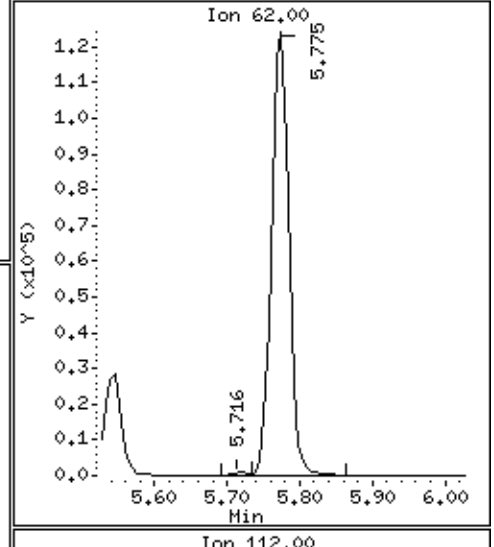


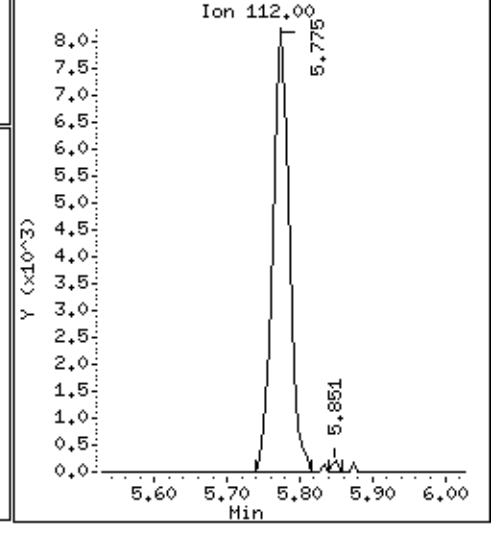












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

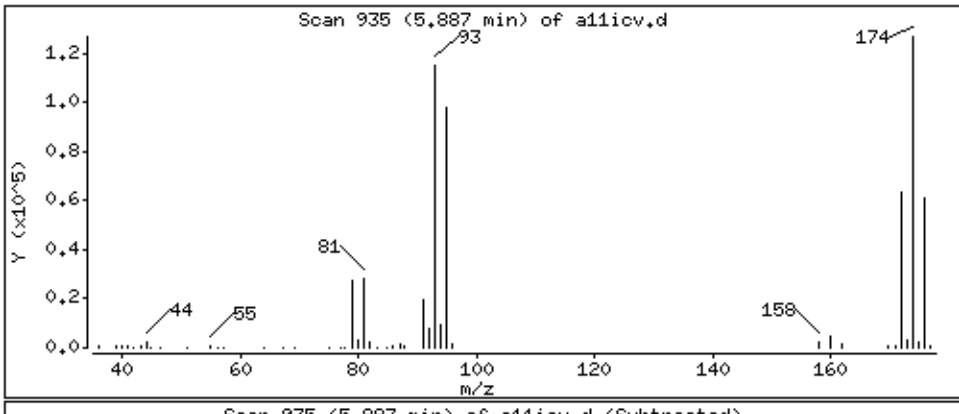
Operator: rsw

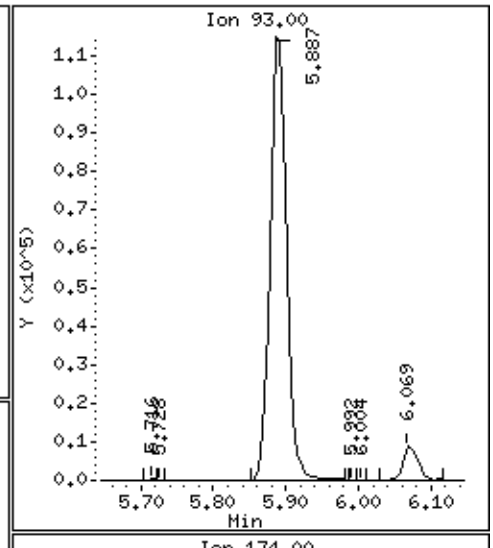
Column phase: DB-624

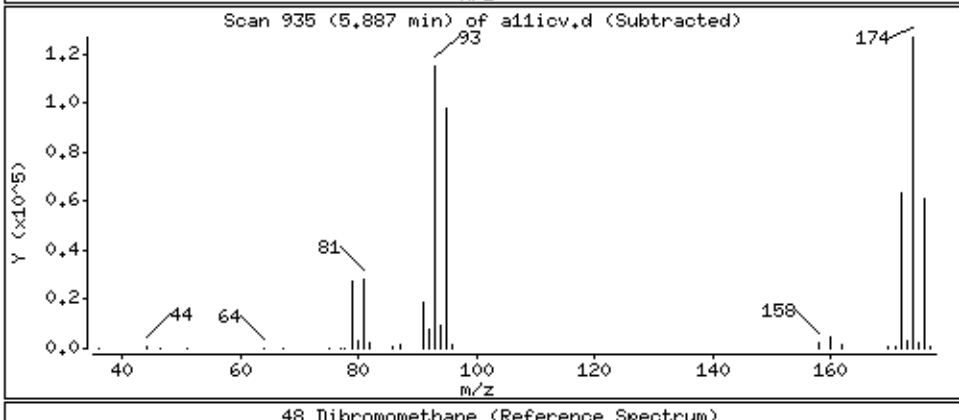
Column diameter: 0.18

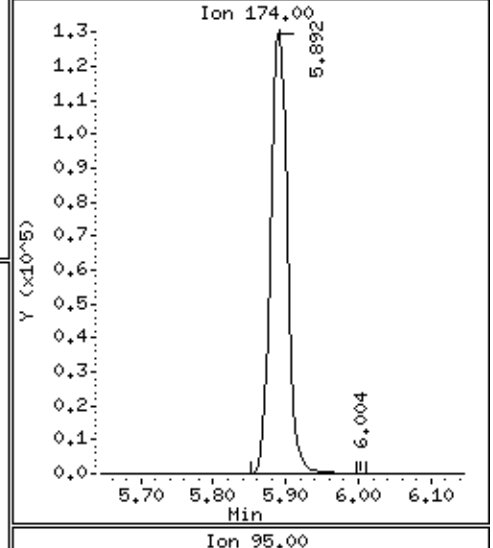
48 Dibromomethane

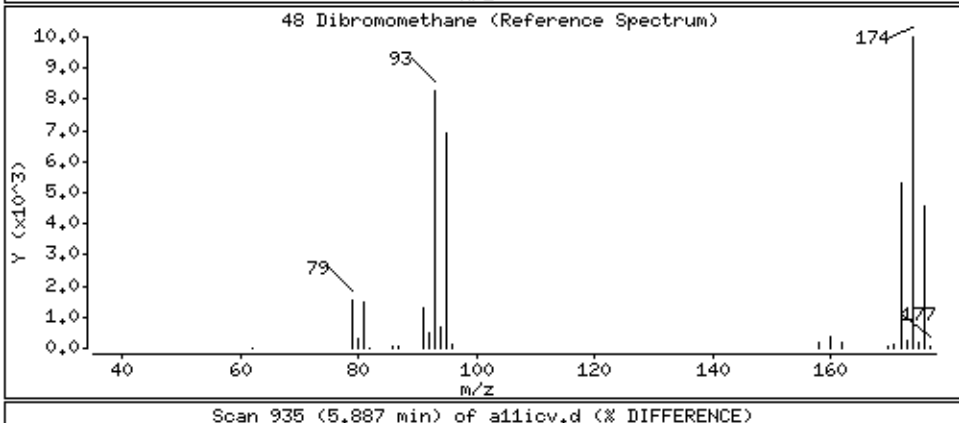
Concentration: 48.5 ppb

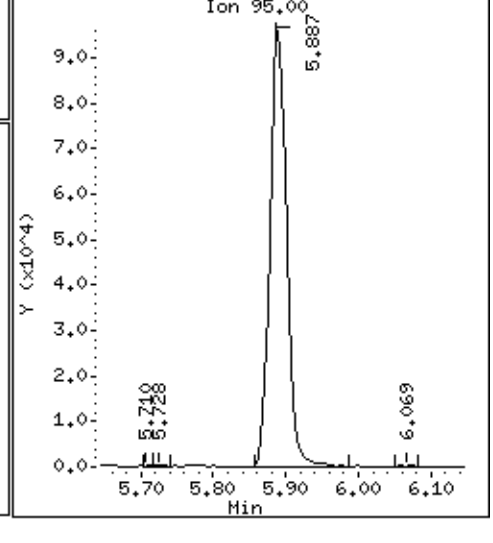


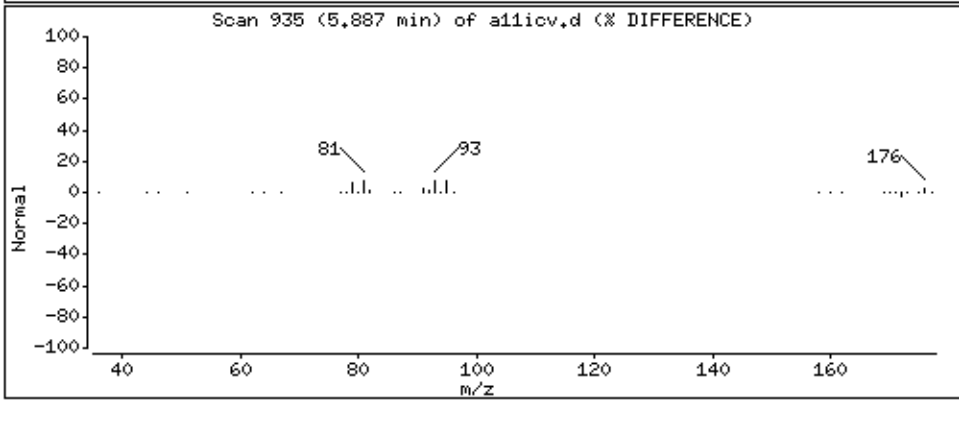












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

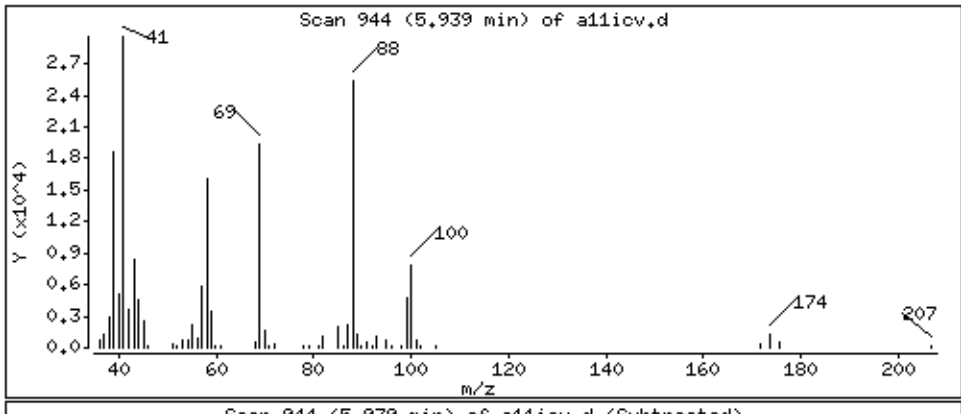
Operator: rsw

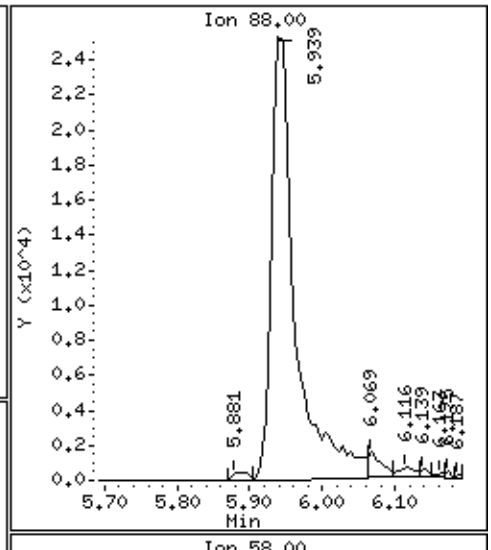
Column phase: DB-624

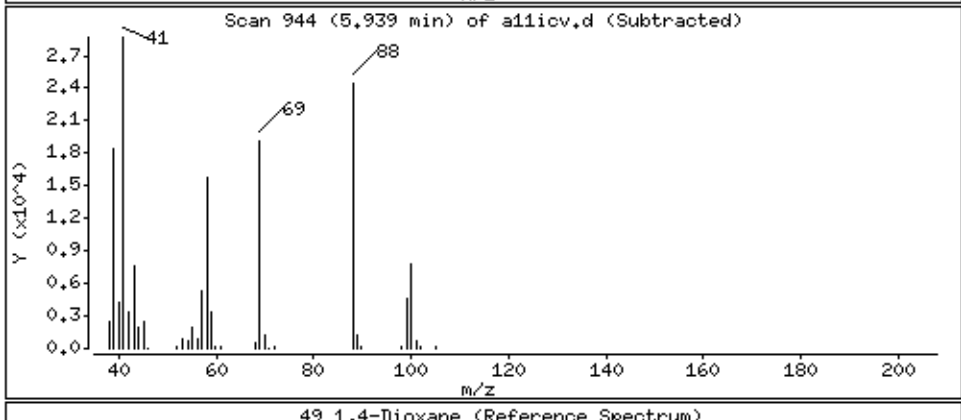
Column diameter: 0.18

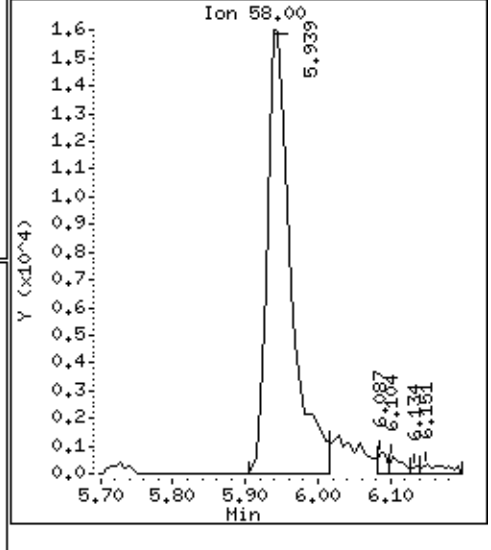
49 1,4-Dioxane

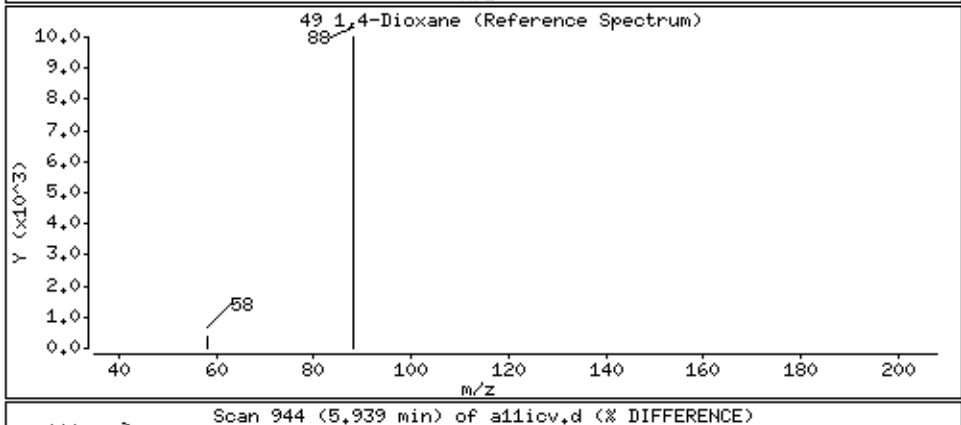
Concentration: 1310 ppb

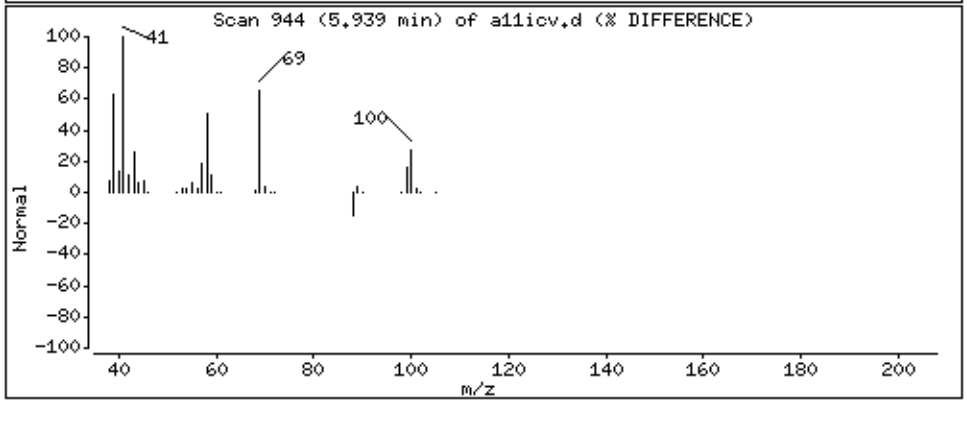












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

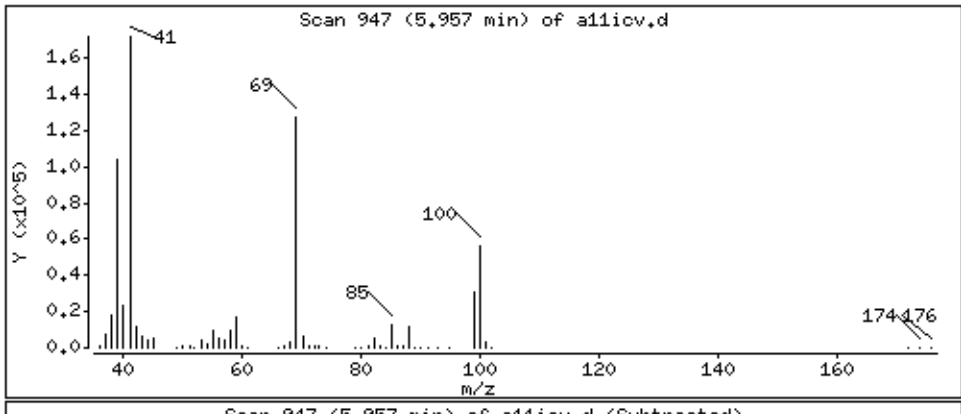
Operator: rsw

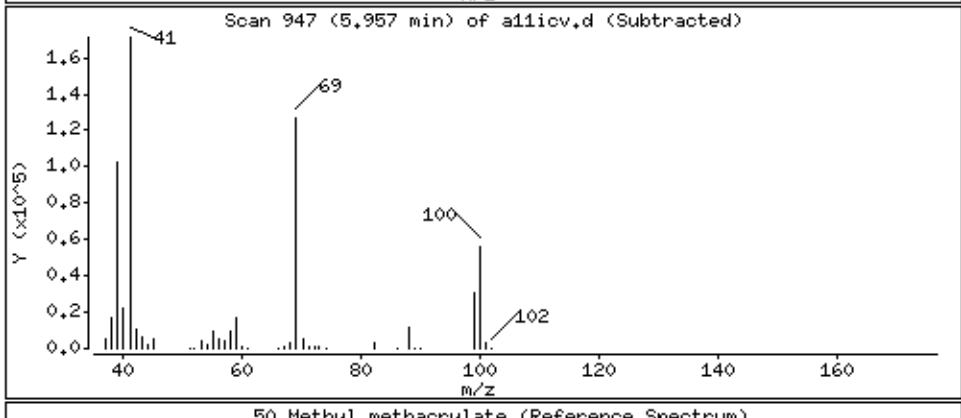
Column phase: DB-624

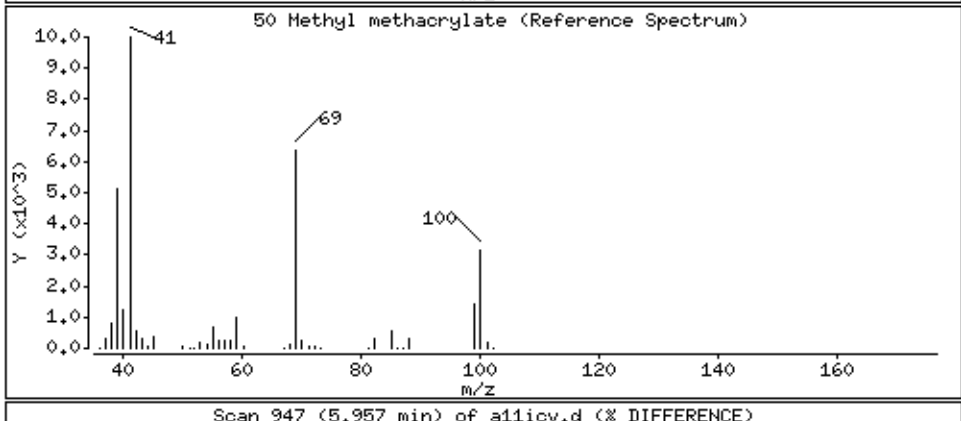
Column diameter: 0.18

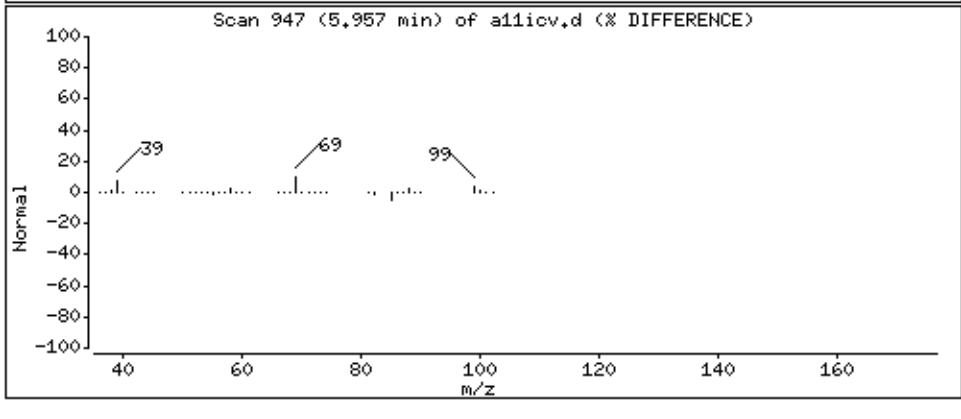
50 Methyl methacrylate

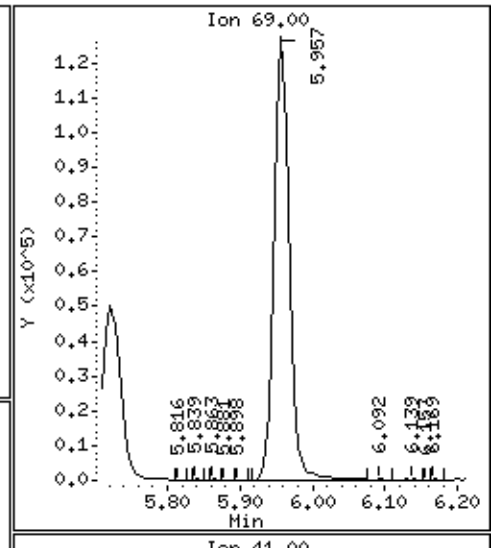
Concentration: 52.4 ppb

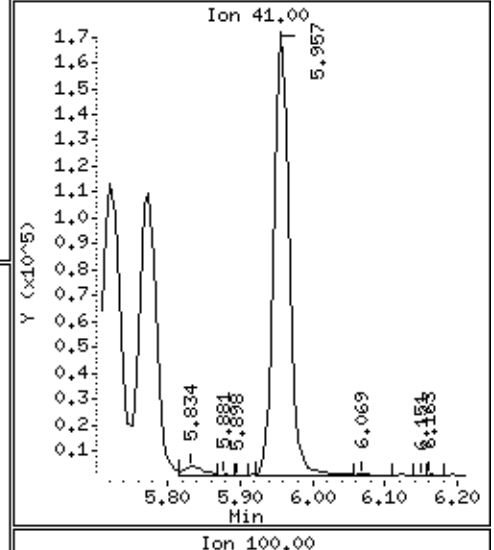


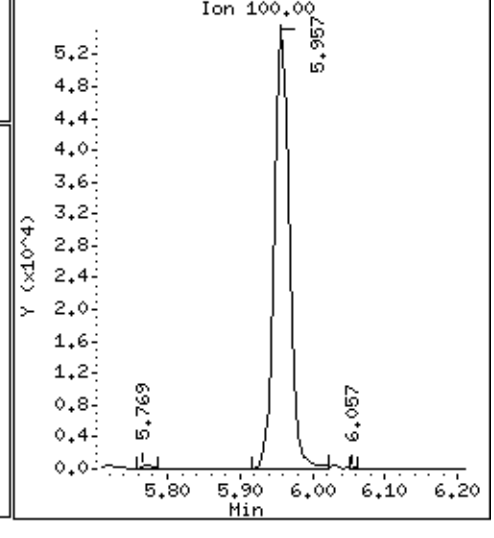












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

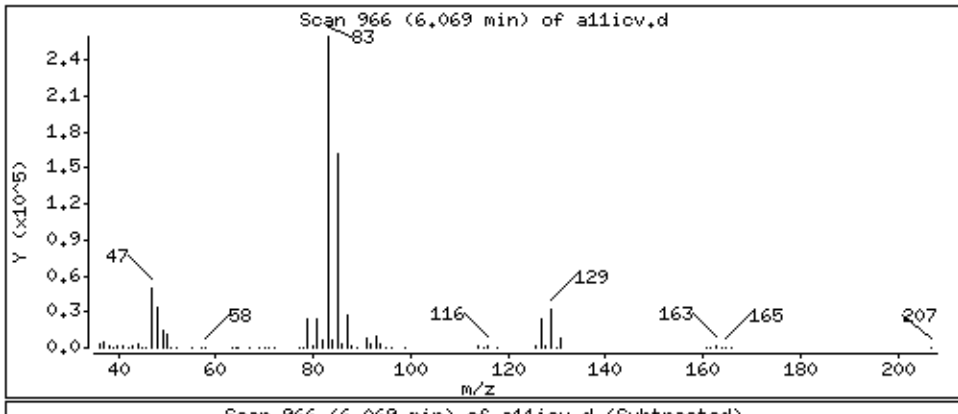
Operator: rsw

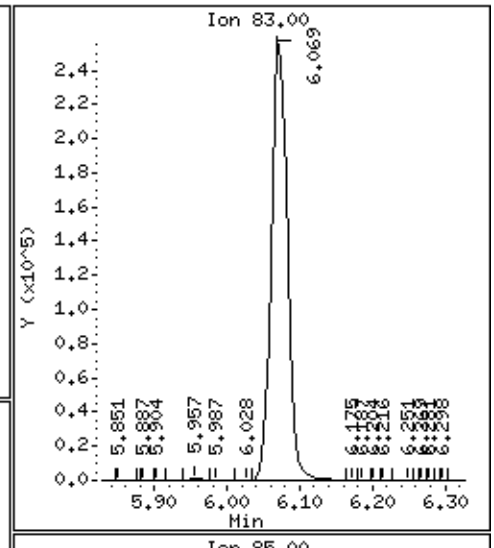
Column phase: DB-624

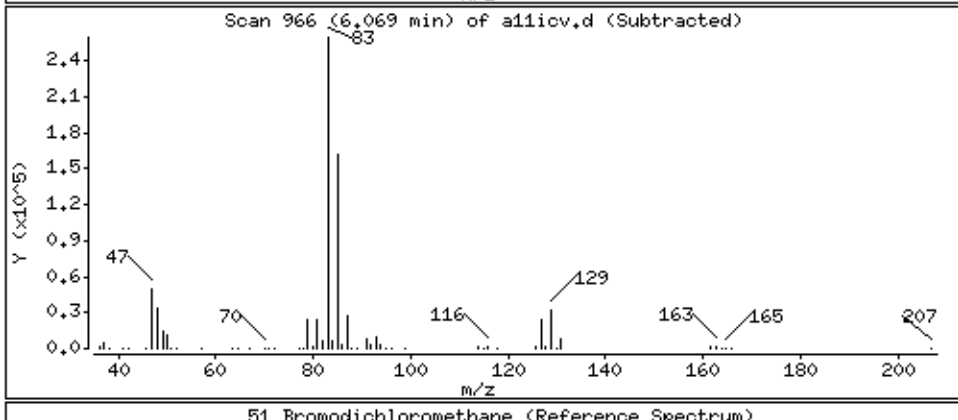
Column diameter: 0.18

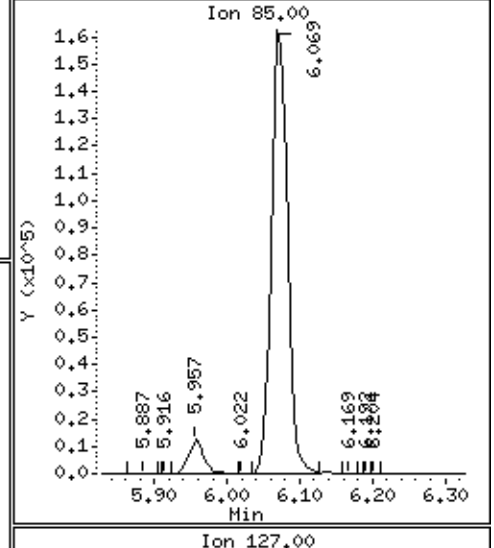
51 Bromodichloromethane

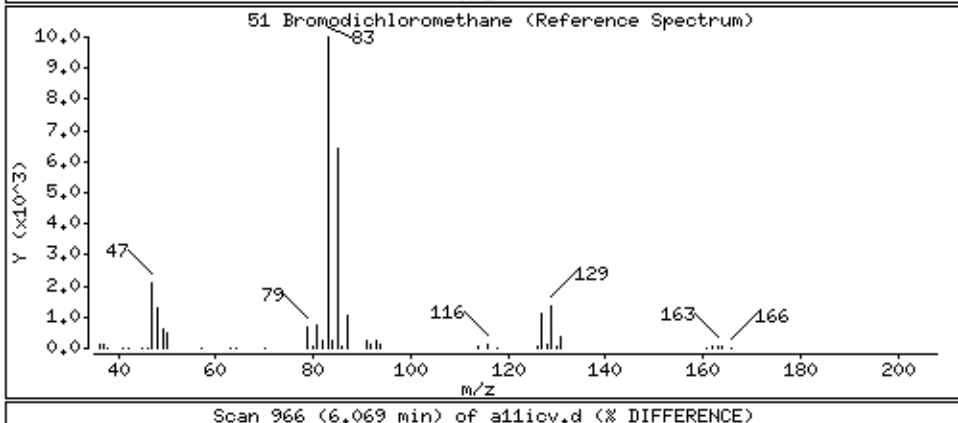
Concentration: 56.7 ppb

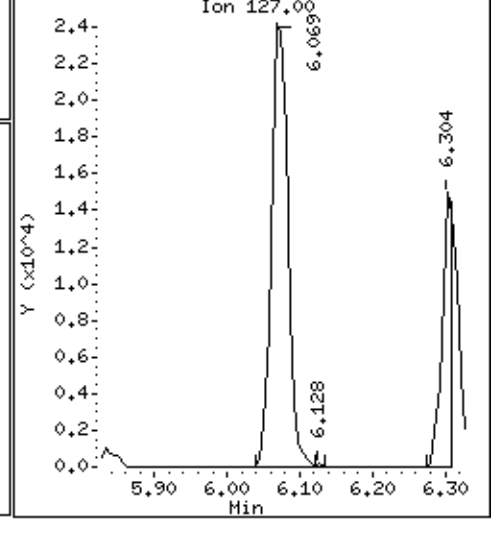


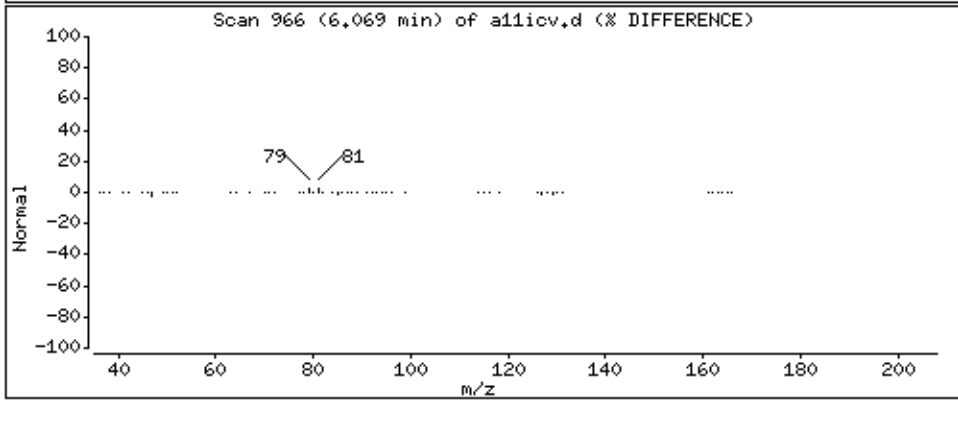












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

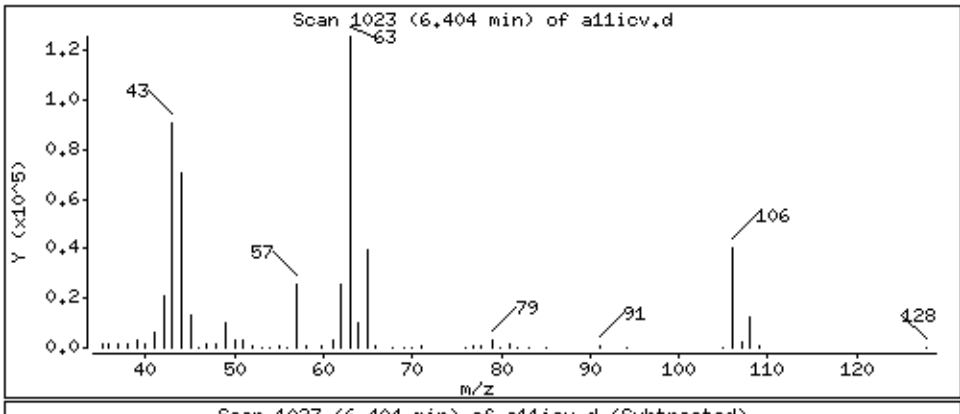
Operator: rsw

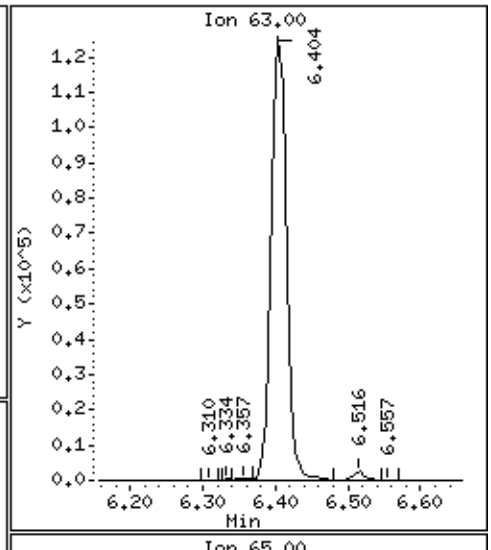
Column phase: DB-624

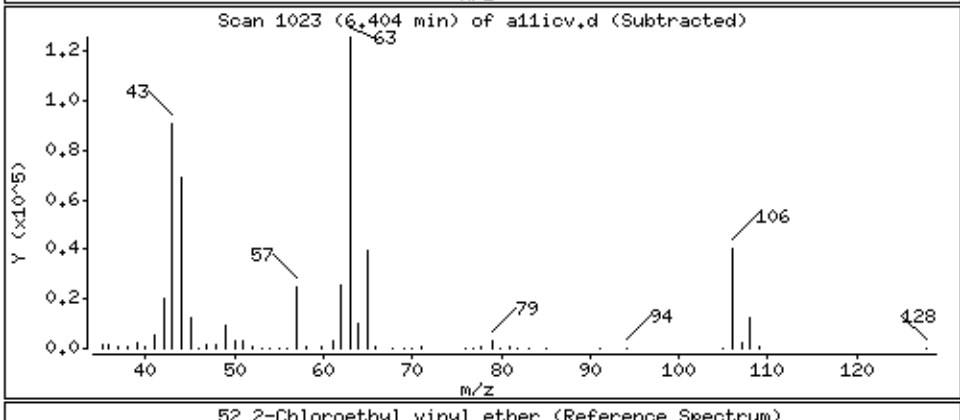
Column diameter: 0.18

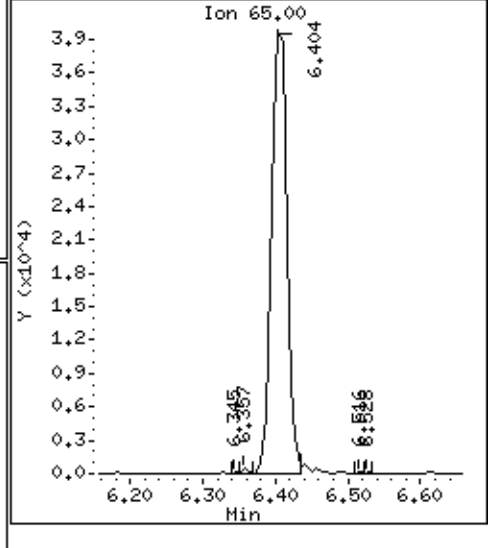
52 2-Chloroethyl vinyl ether

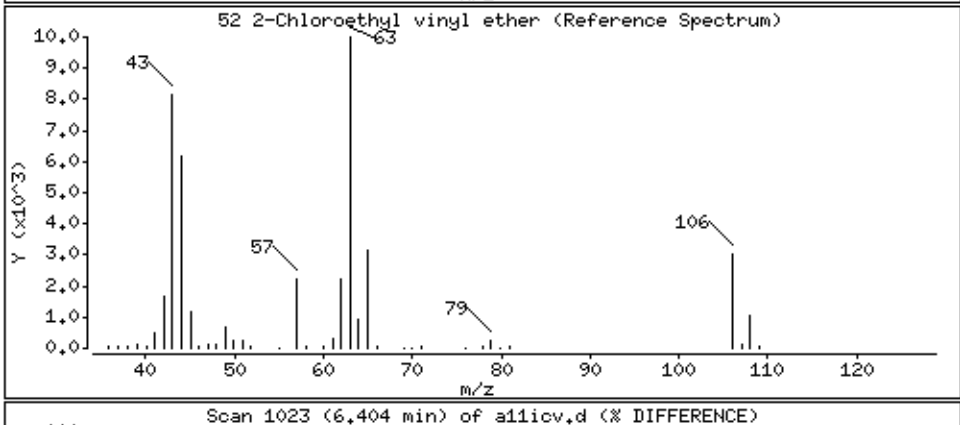
Concentration: 57.7 ppb

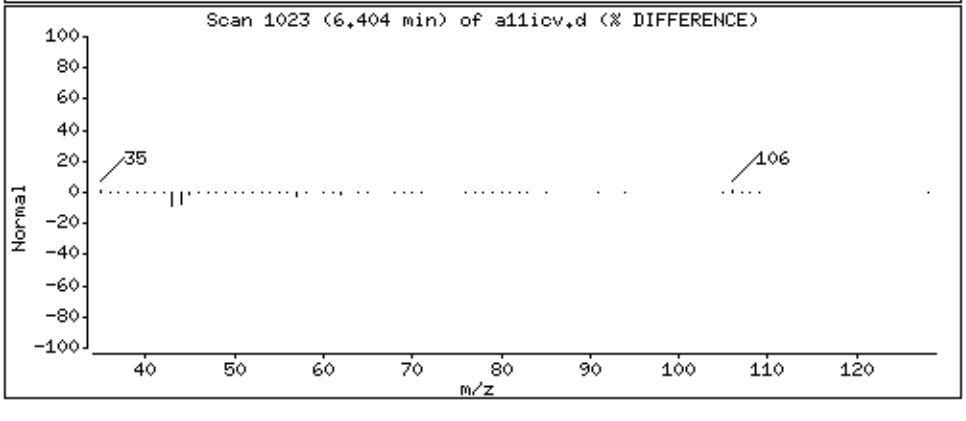












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

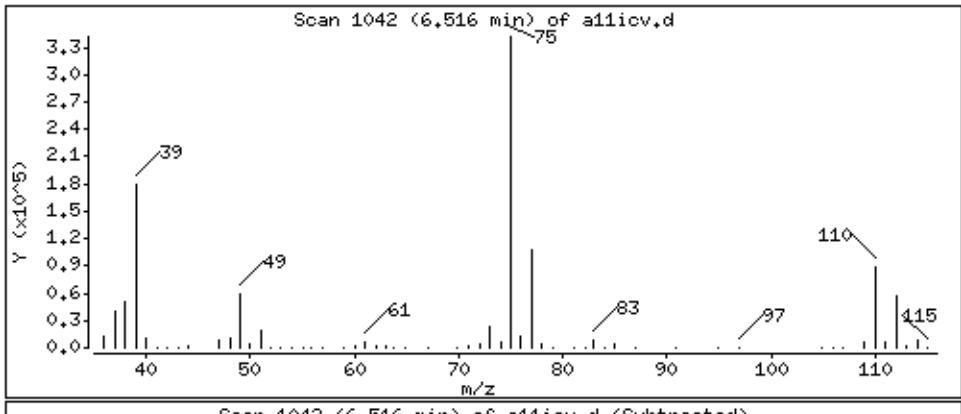
Operator: rsw

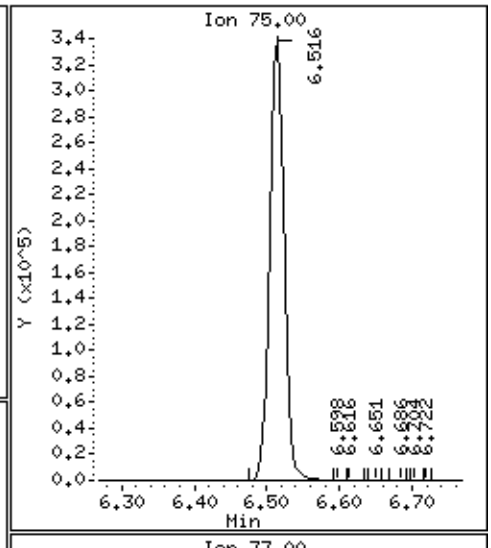
Column phase: DB-624

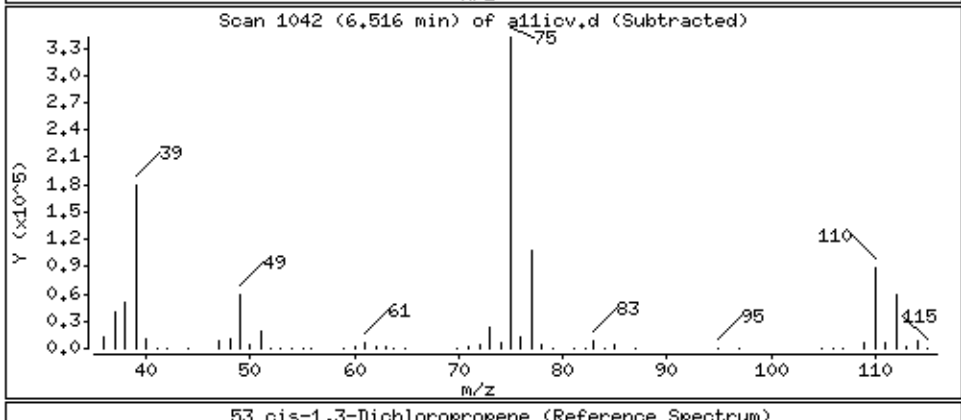
Column diameter: 0.18

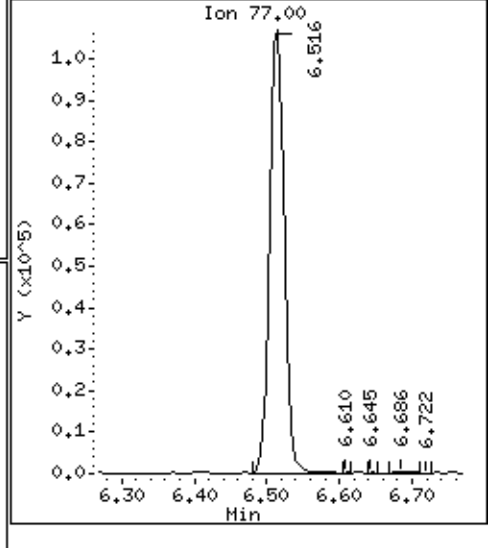
53 cis-1,3-Dichloropropene

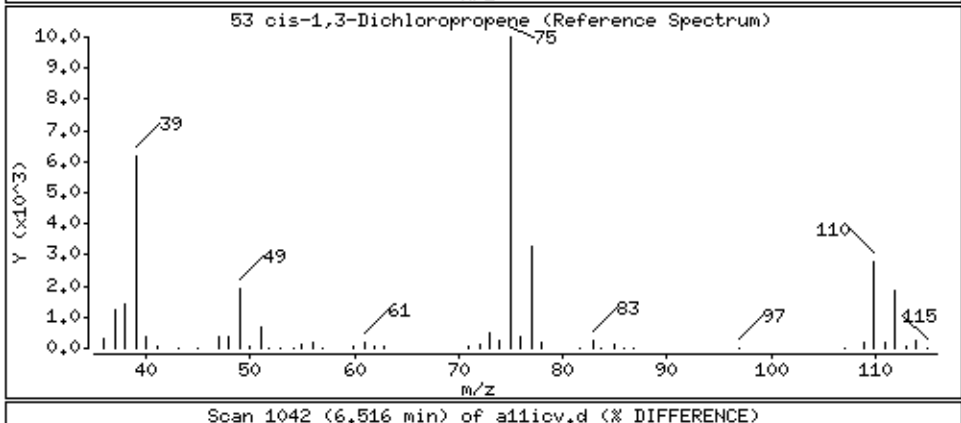
Concentration: 56.3 ppb

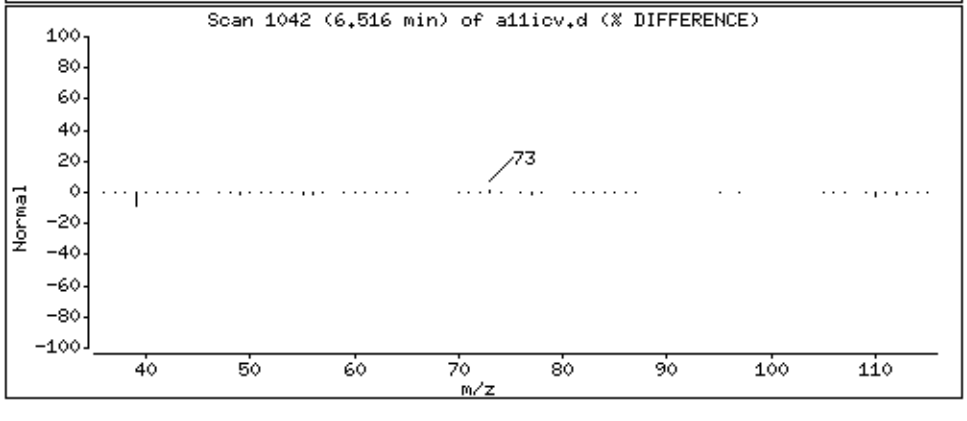












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

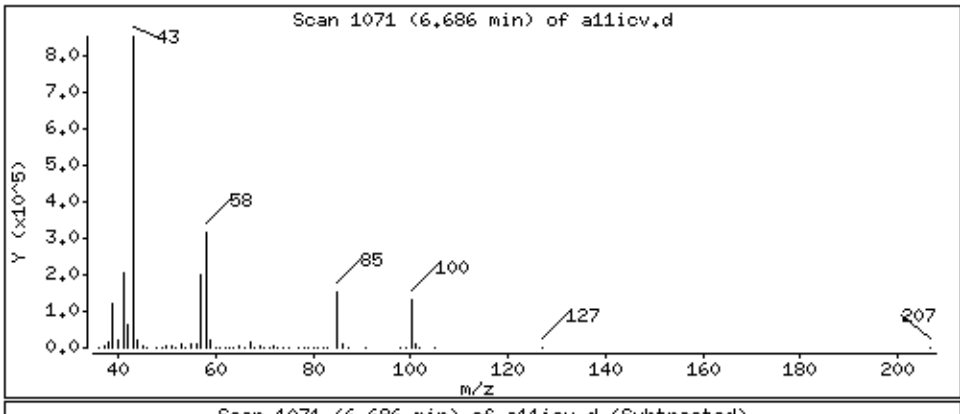
Operator: rsw

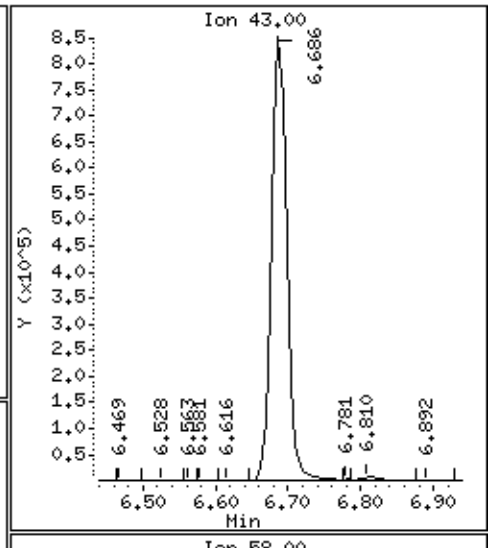
Column phase: DB-624

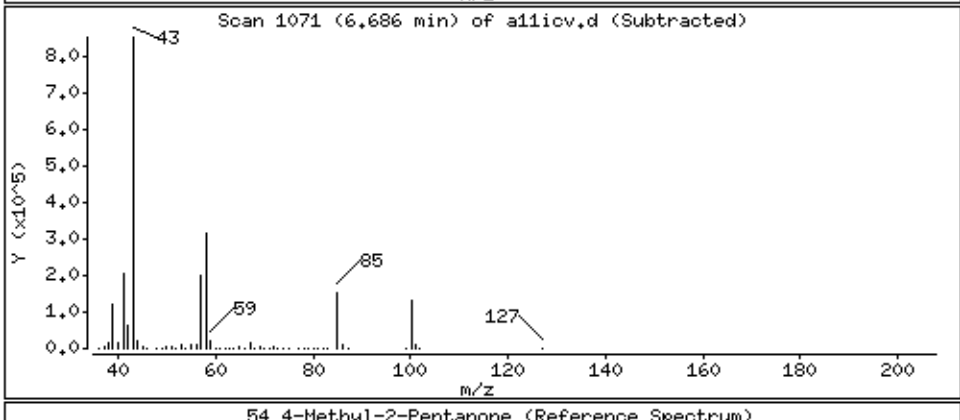
Column diameter: 0.18

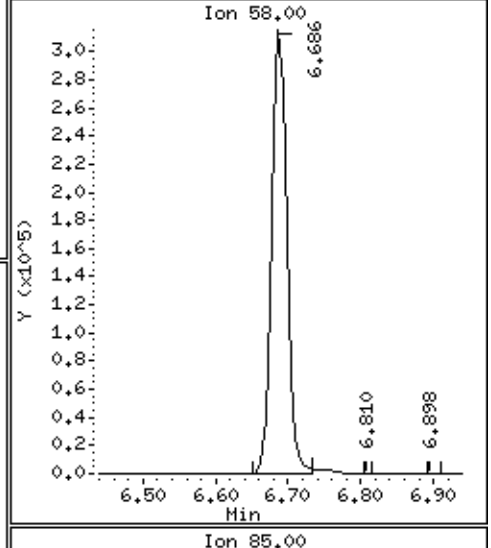
54 4-Methyl-2-Pentanone

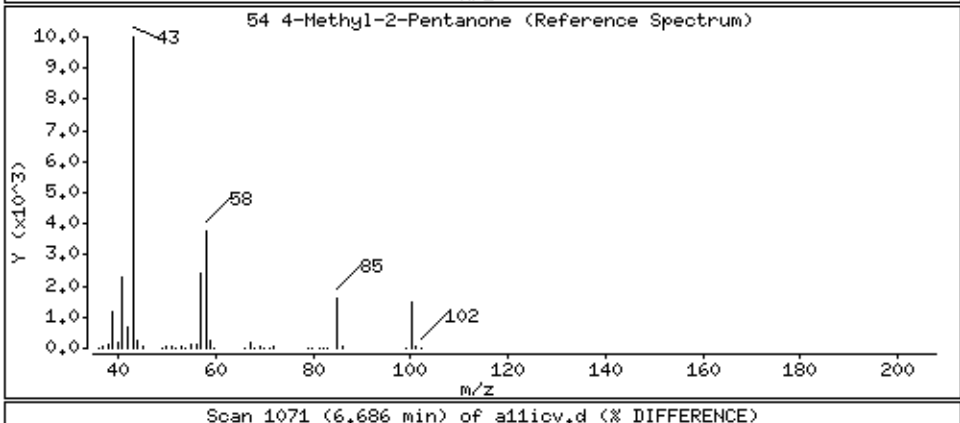
Concentration: 281 ppb

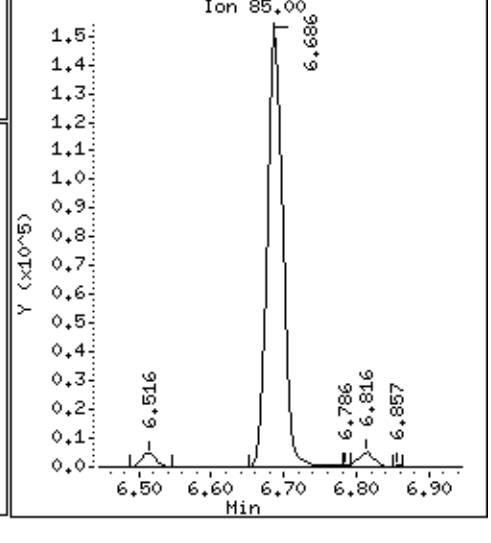


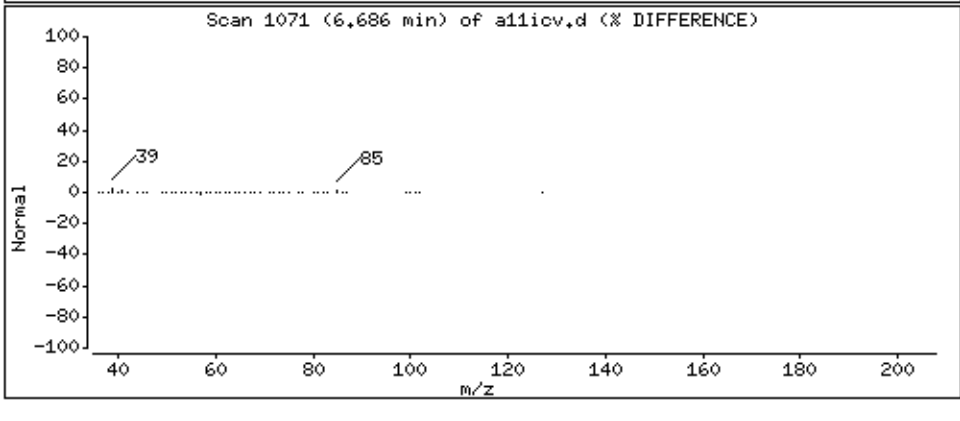












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

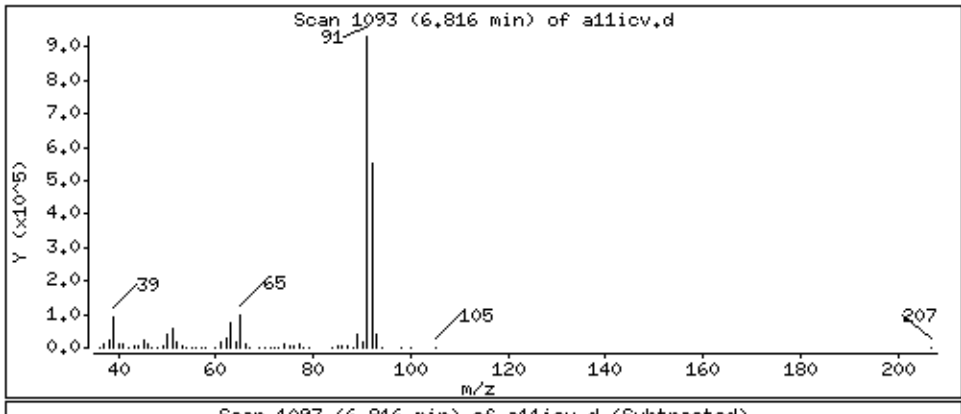
Operator: rsw

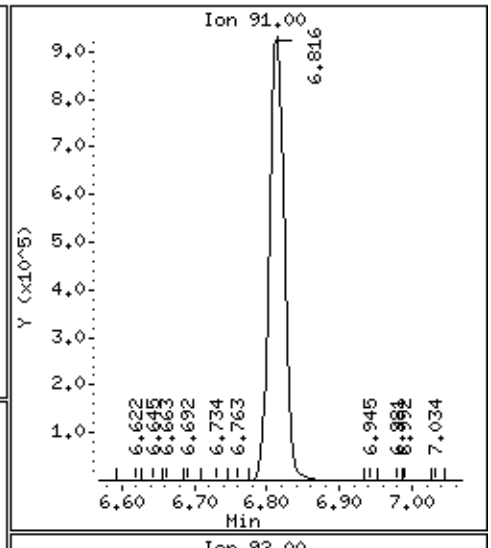
Column phase: DB-624

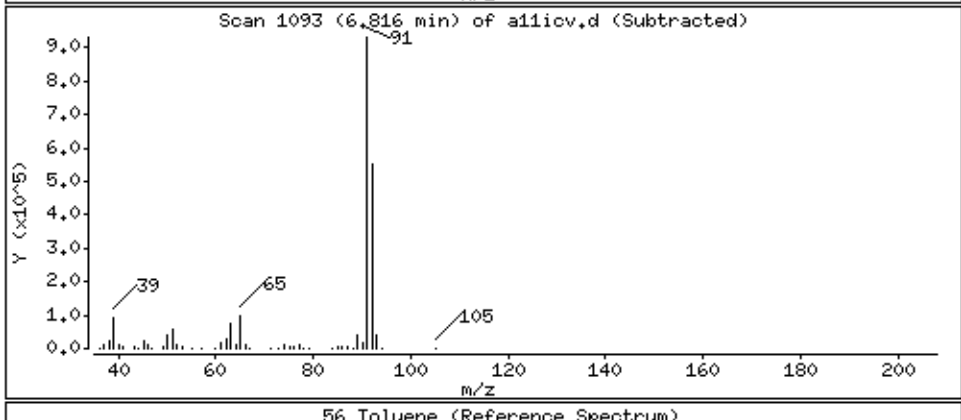
Column diameter: 0.18

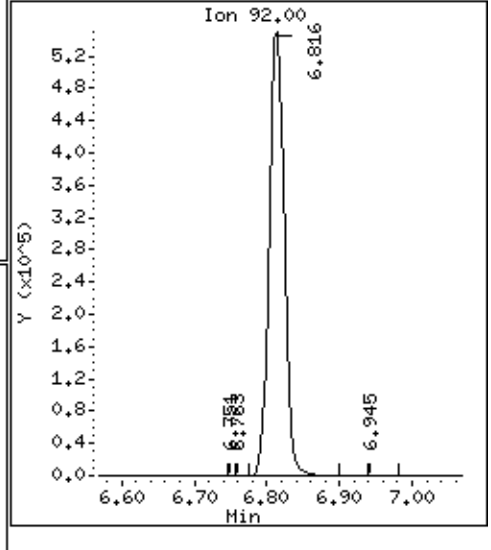
56 Toluene

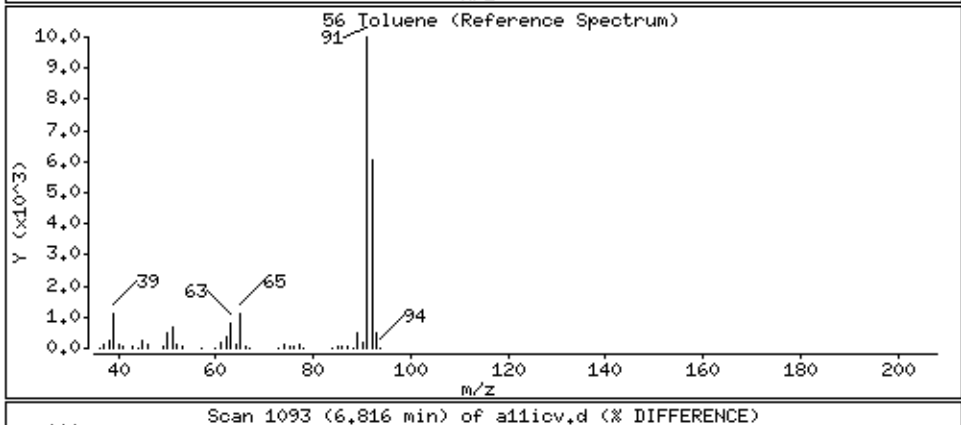
Concentration: 56.6 ppb

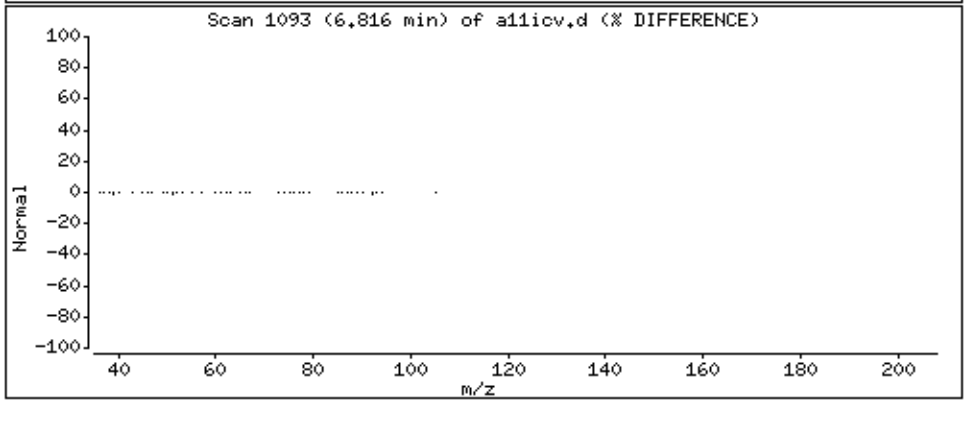












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

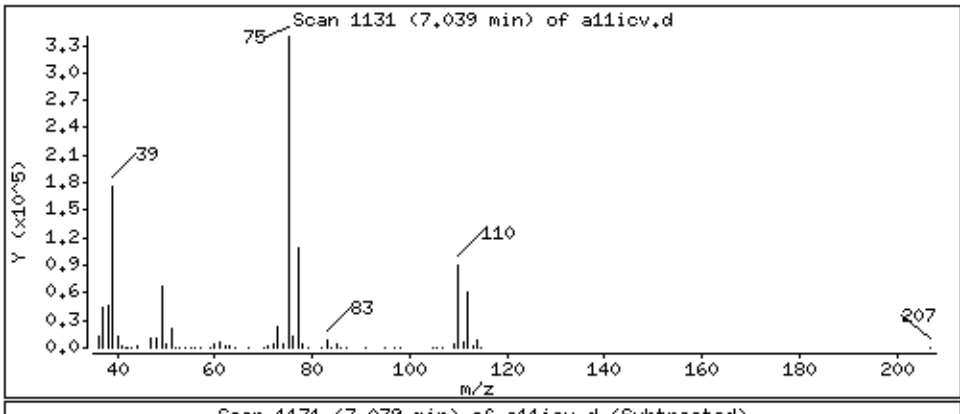
Operator: rsw

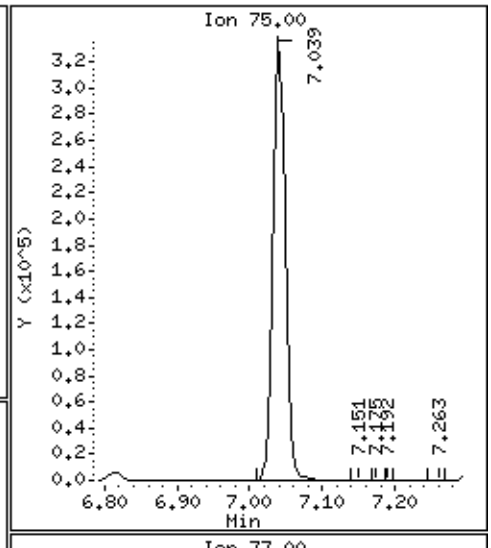
Column phase: DB-624

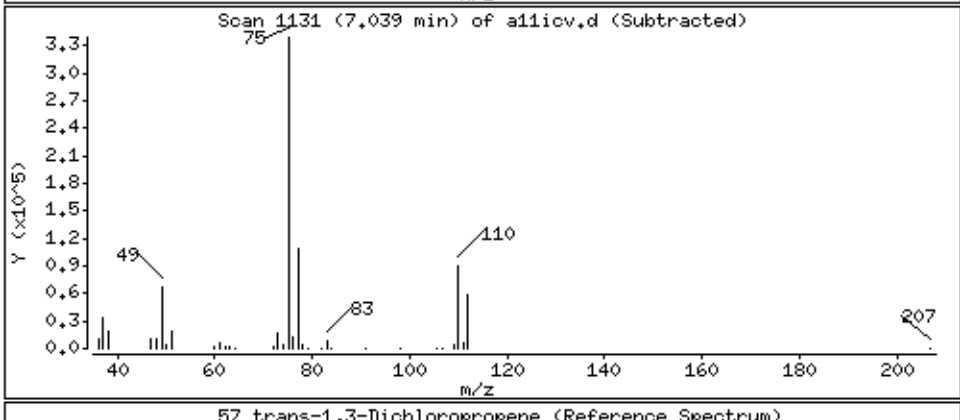
Column diameter: 0.18

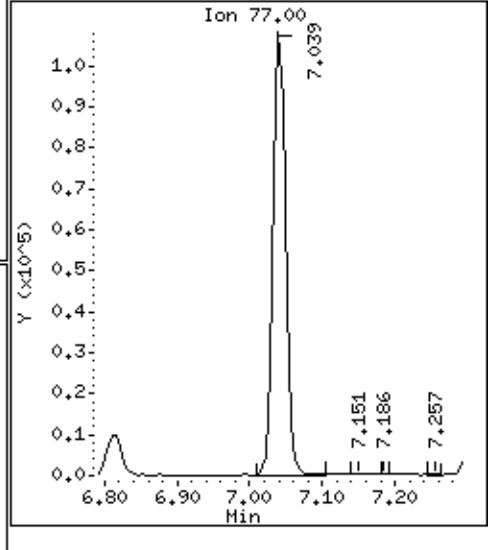
57 trans-1,3-Dichloropropene

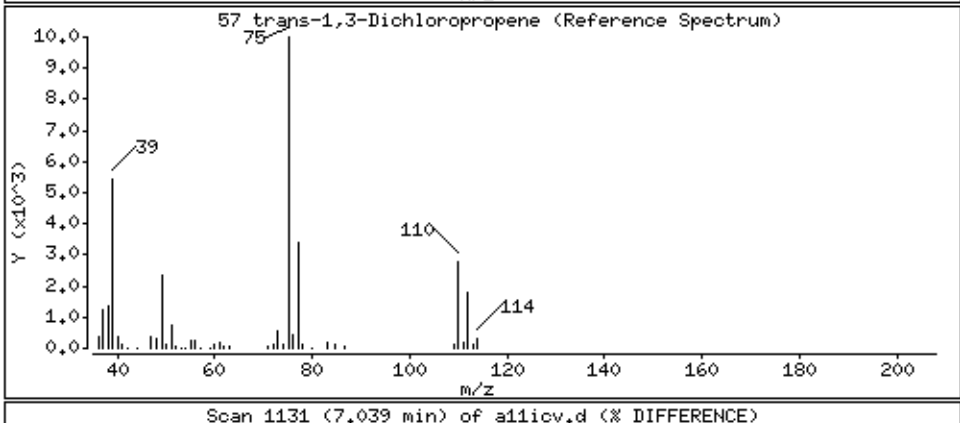
Concentration: 56.4 ppb

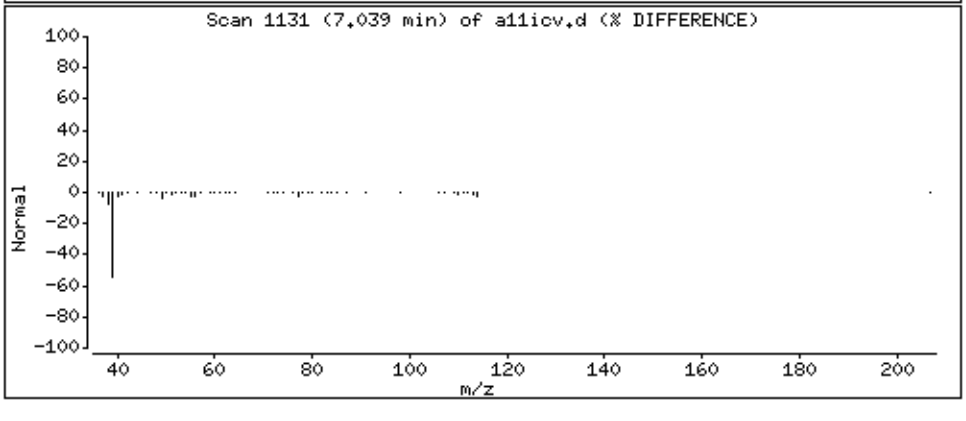












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

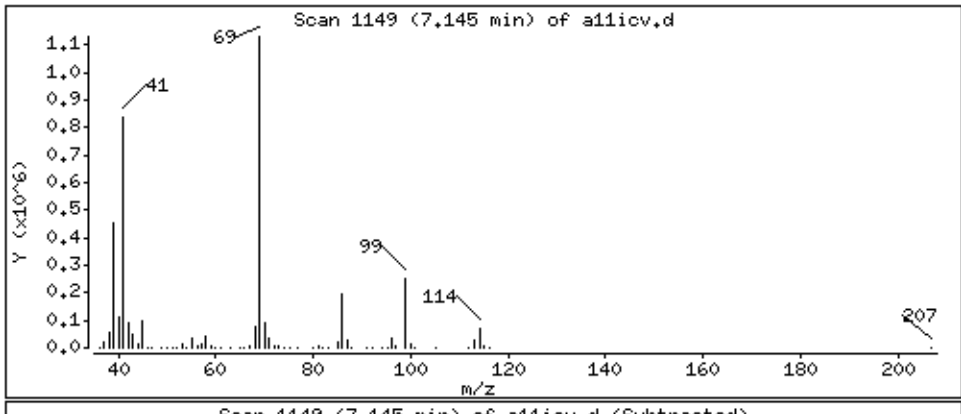
Operator: rsw

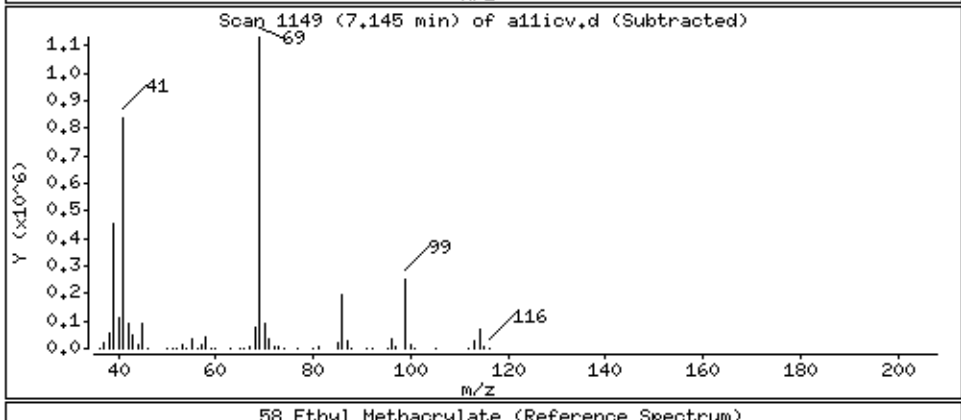
Column phase: DB-624

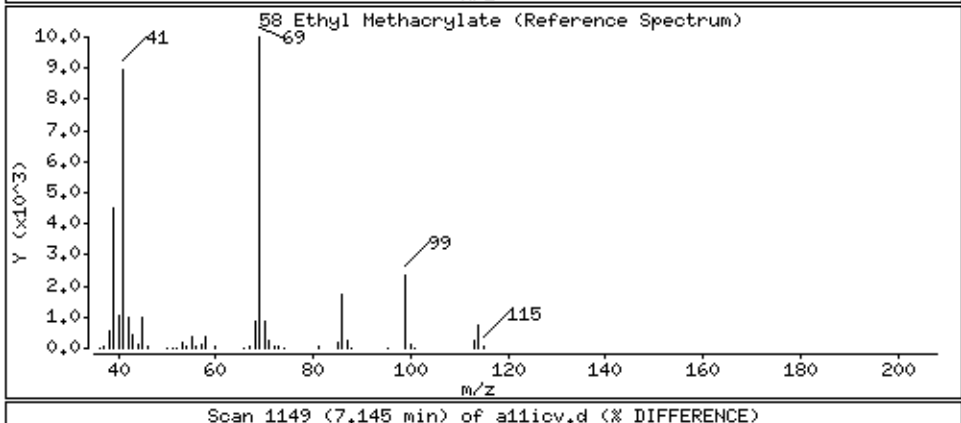
Column diameter: 0.18

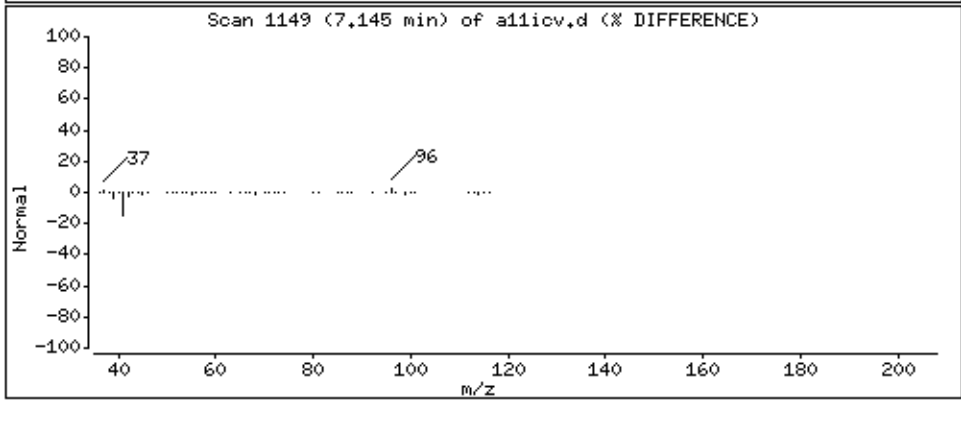
58 Ethyl Methacrylate

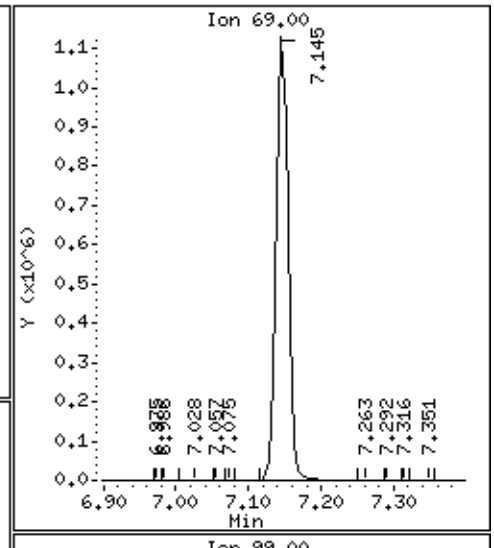
Concentration: 205 ppb

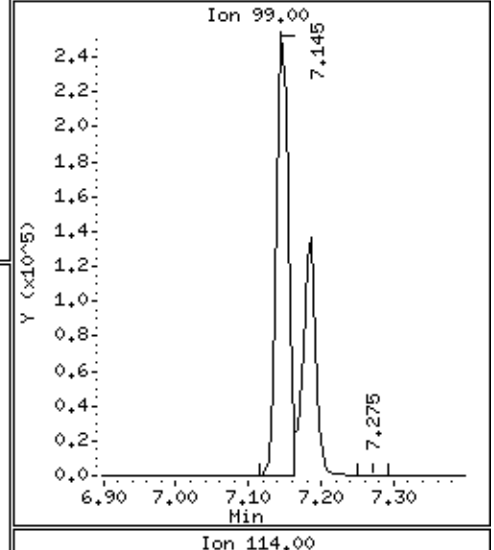


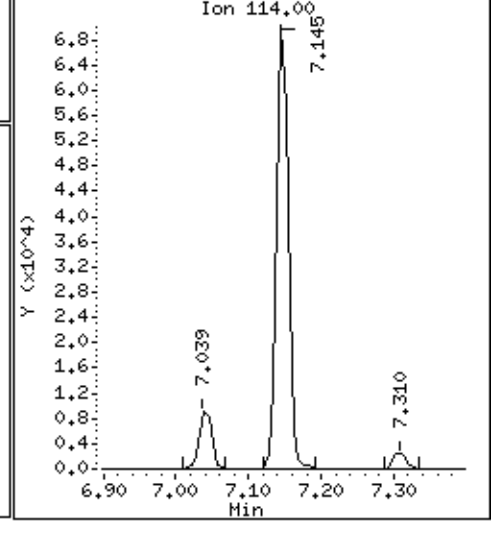












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

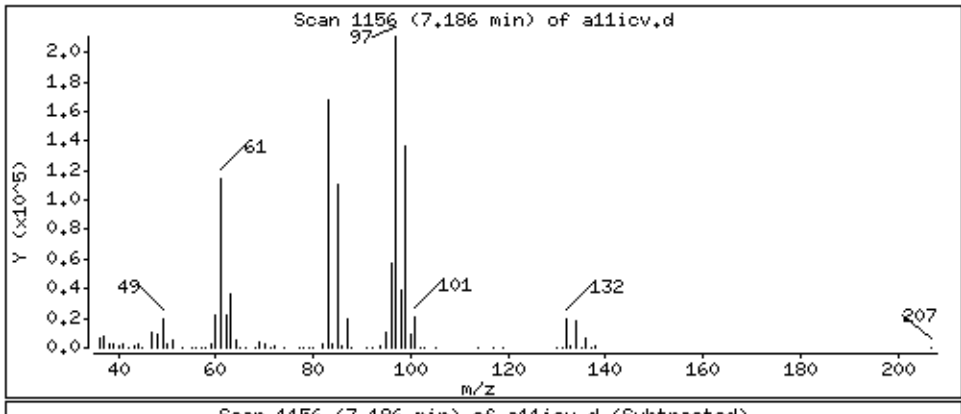
Operator: rsw

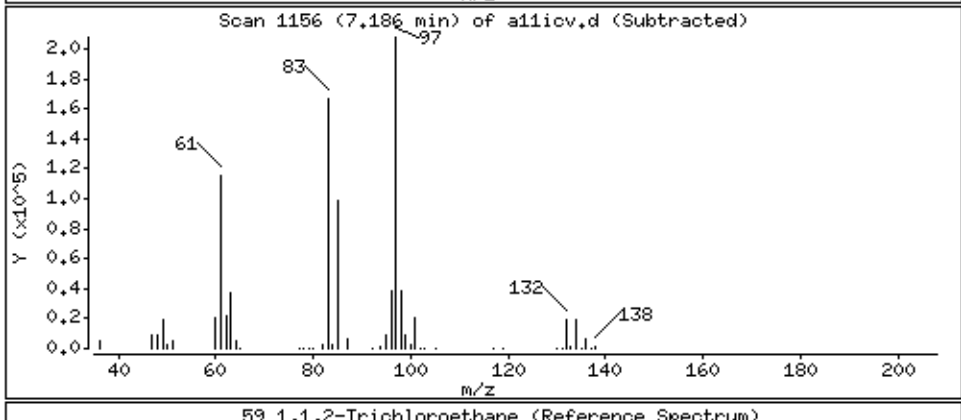
Column phase: DB-624

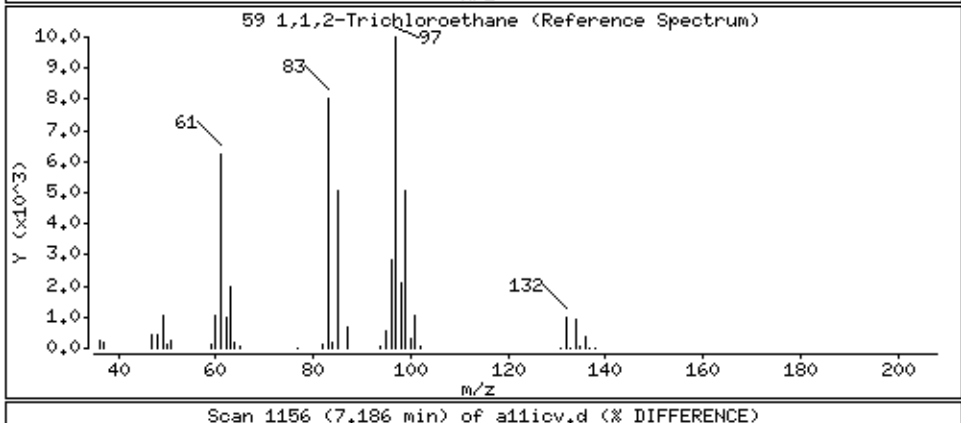
Column diameter: 0.18

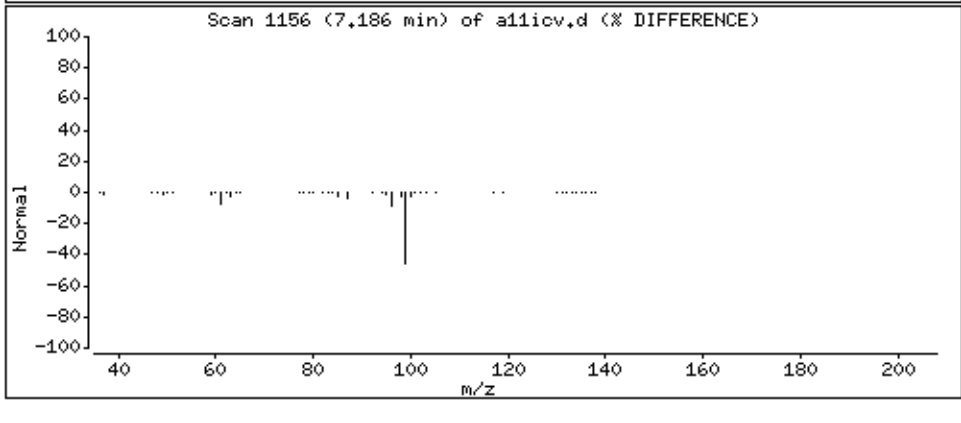
59 1,1,2-Trichloroethane

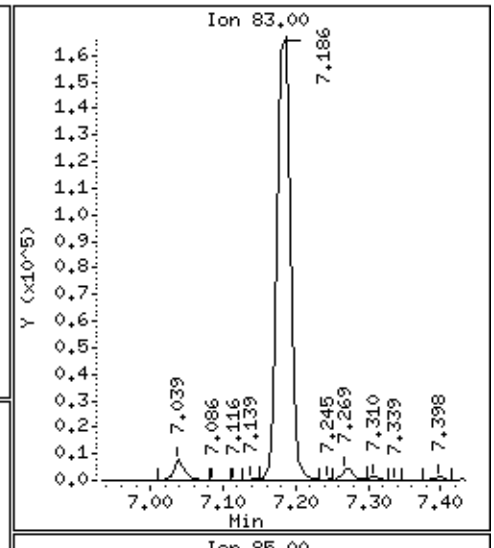
Concentration: 50.9 ppb

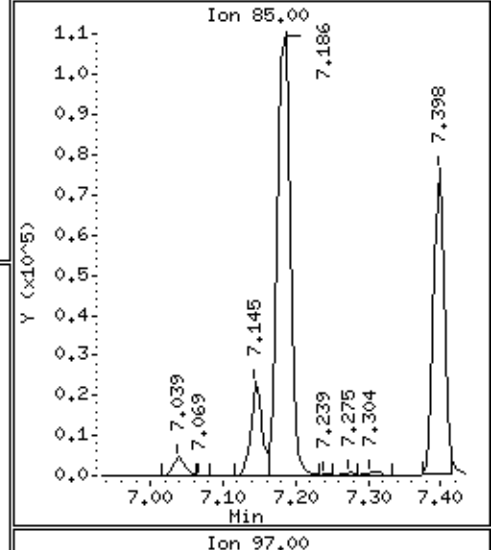


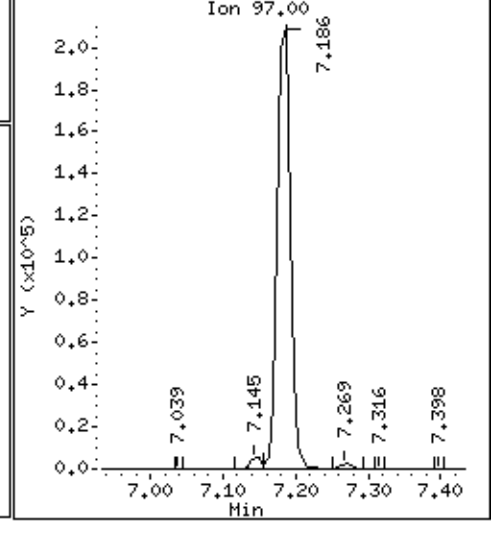












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

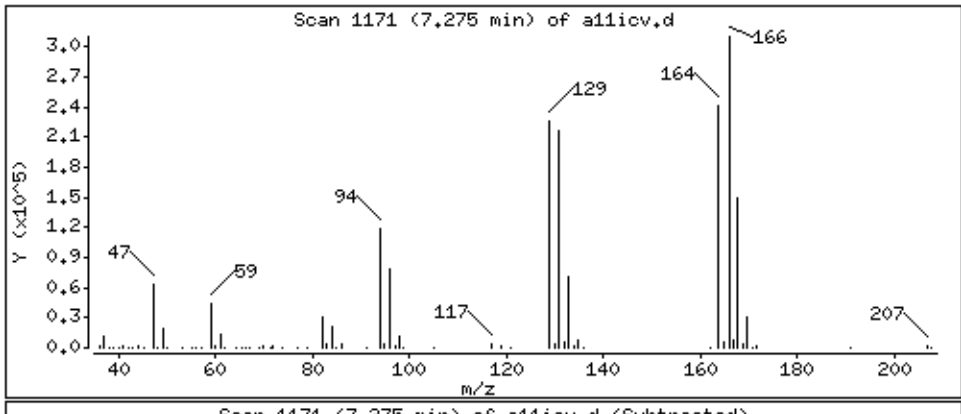
Operator: rsw

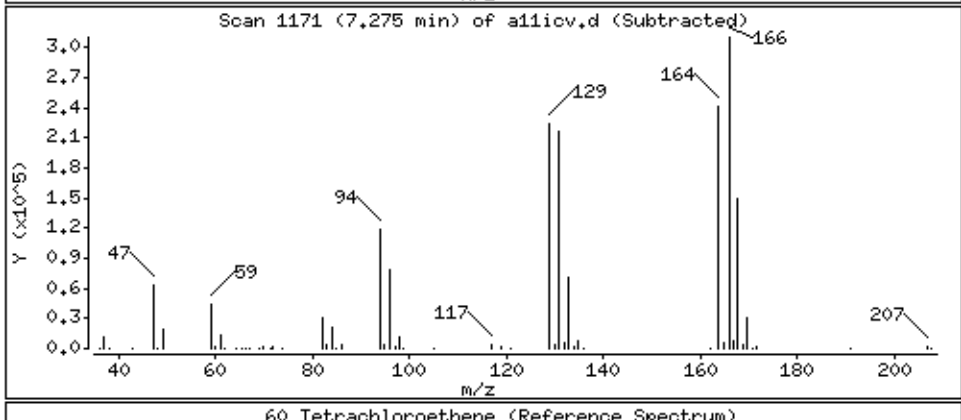
Column phase: DB-624

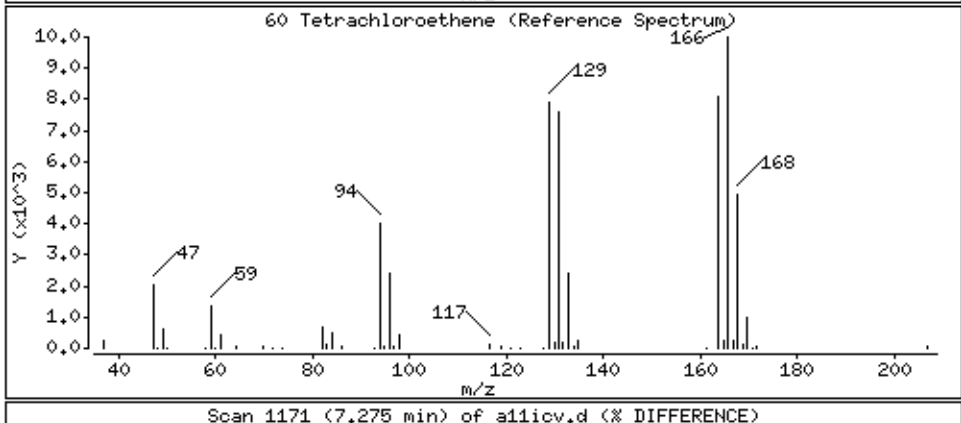
Column diameter: 0.18

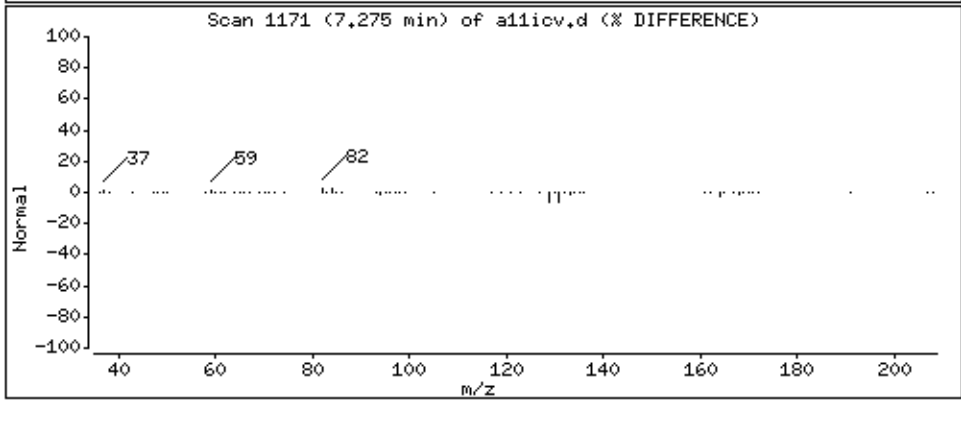
60 Tetrachloroethene

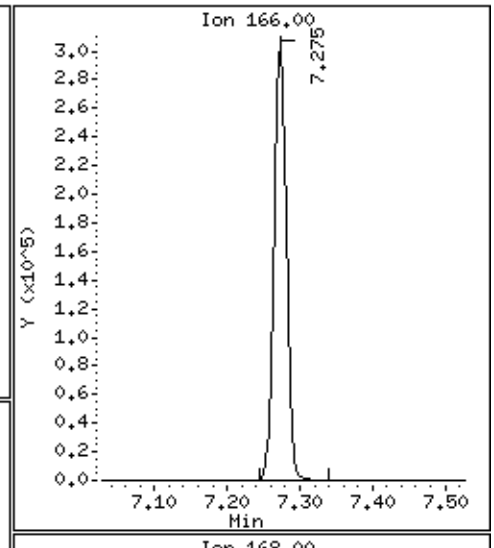
Concentration: 51.8 ppb

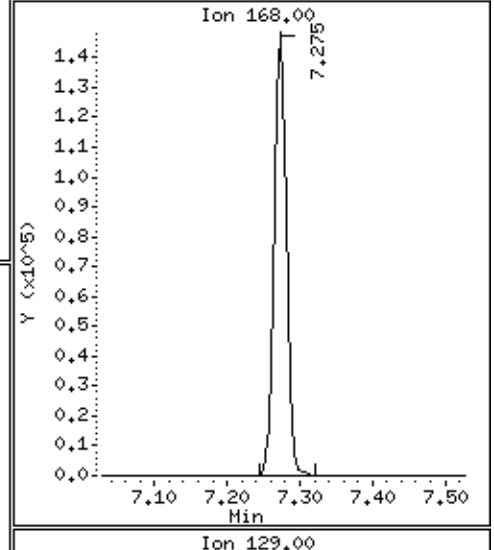


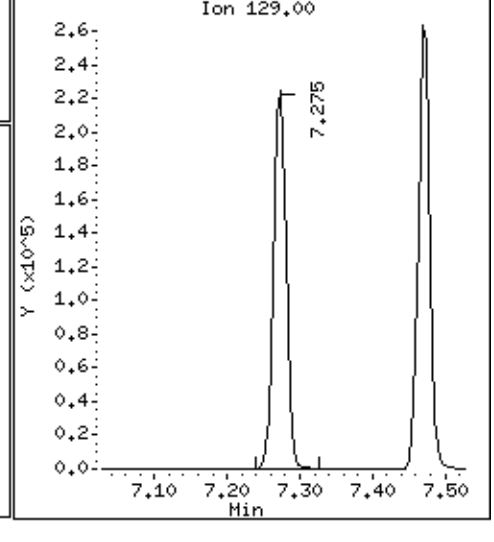












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

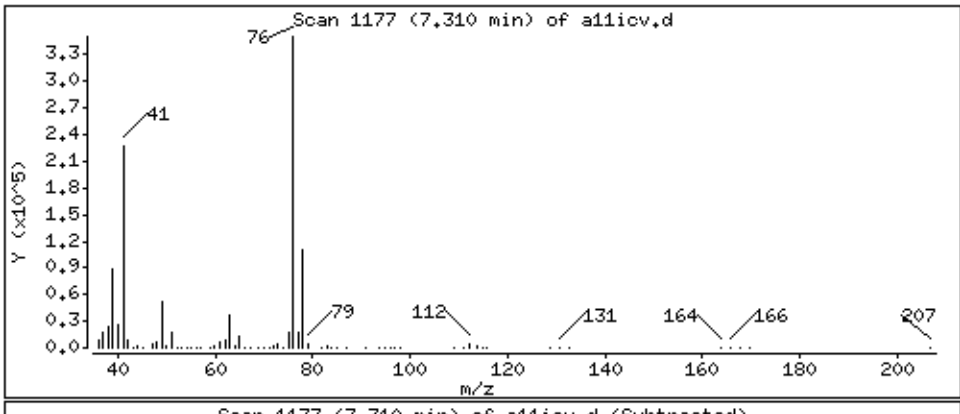
Operator: rsw

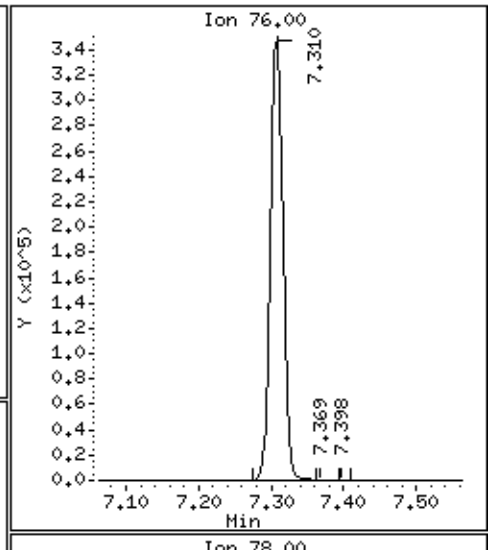
Column phase: DB-624

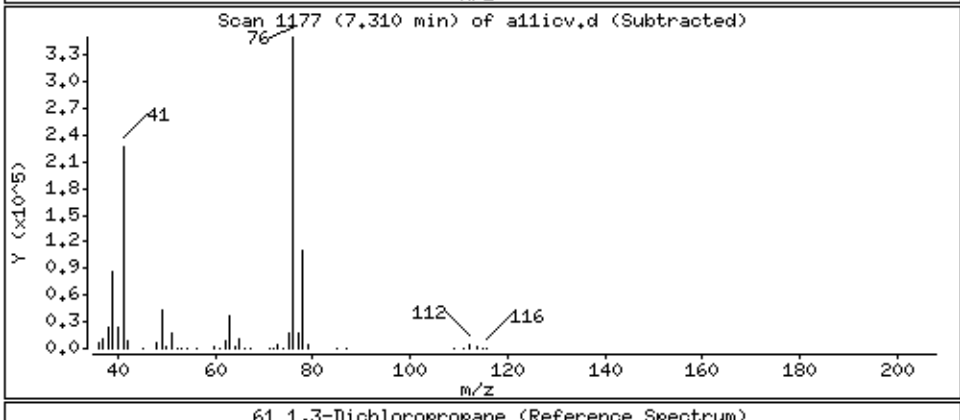
Column diameter: 0.18

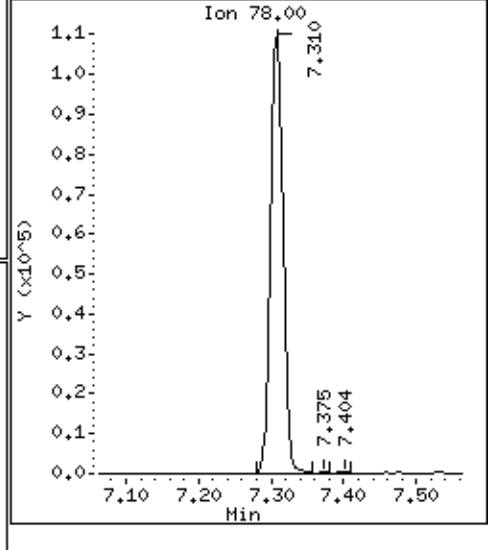
61 1,3-Dichloropropane

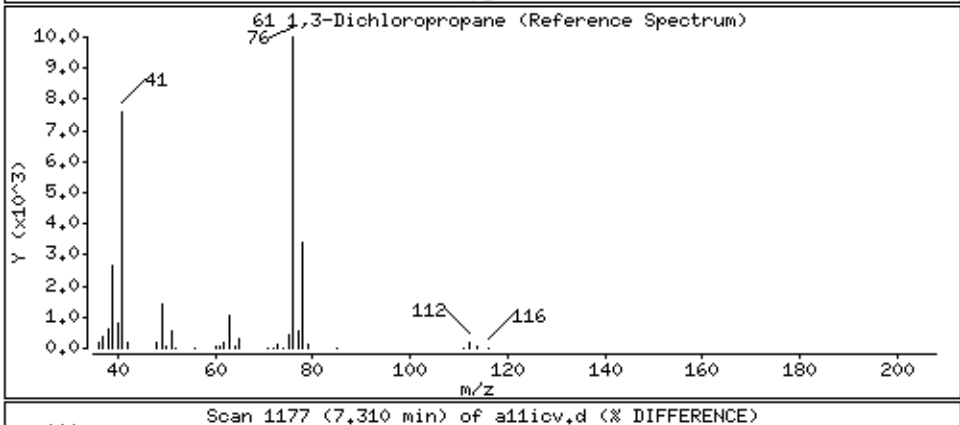
Concentration: 54.1 ppb

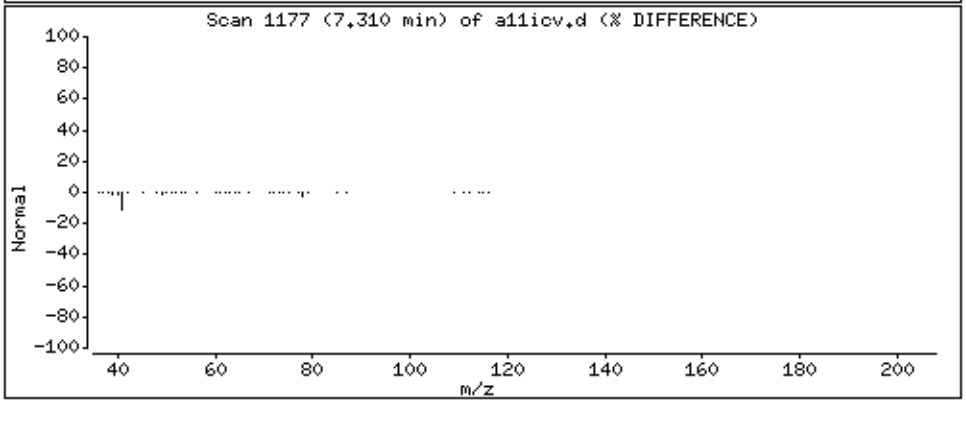












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

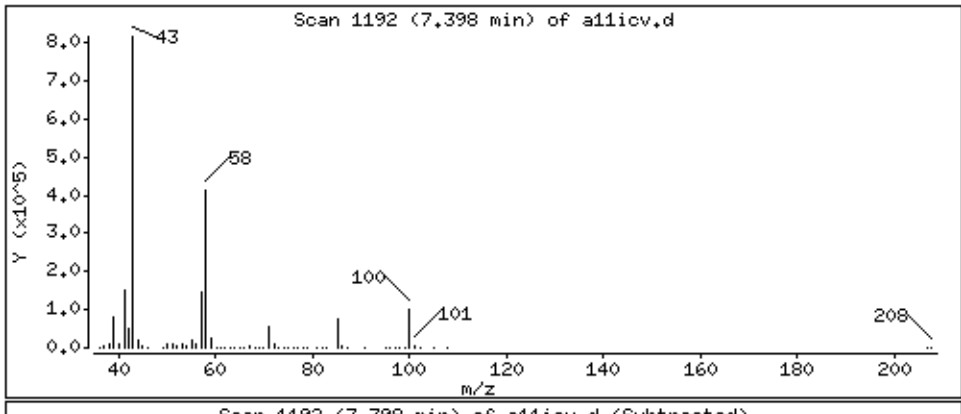
Operator: rsw

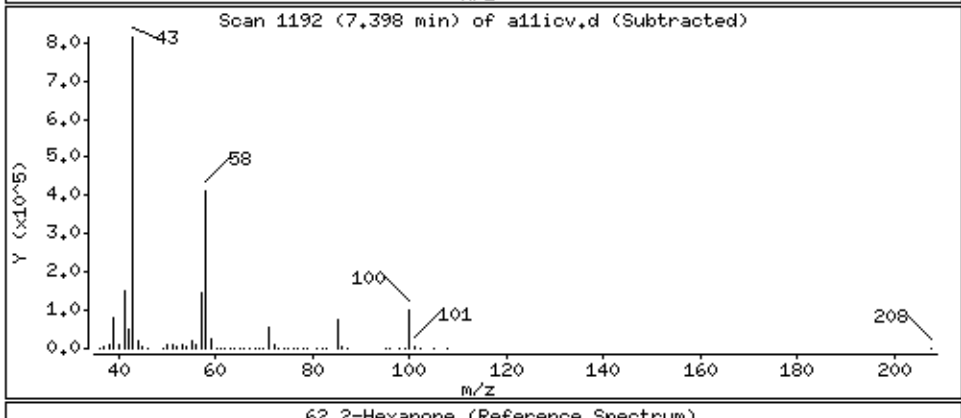
Column phase: DB-624

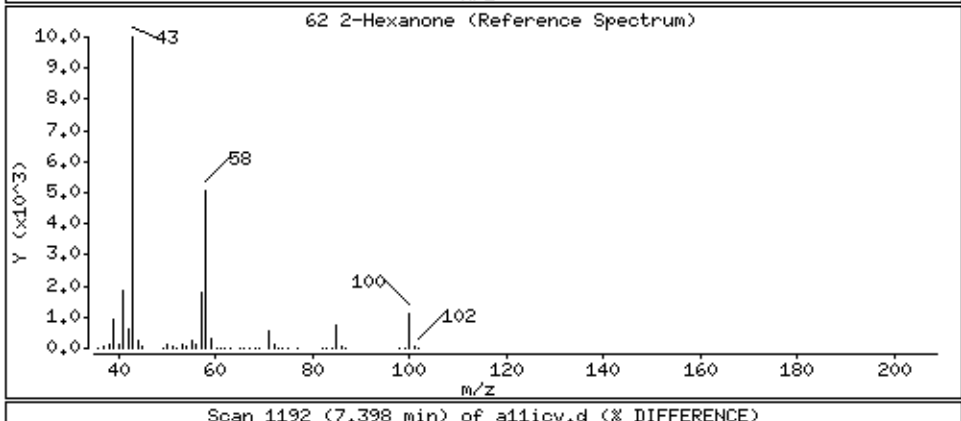
Column diameter: 0.18

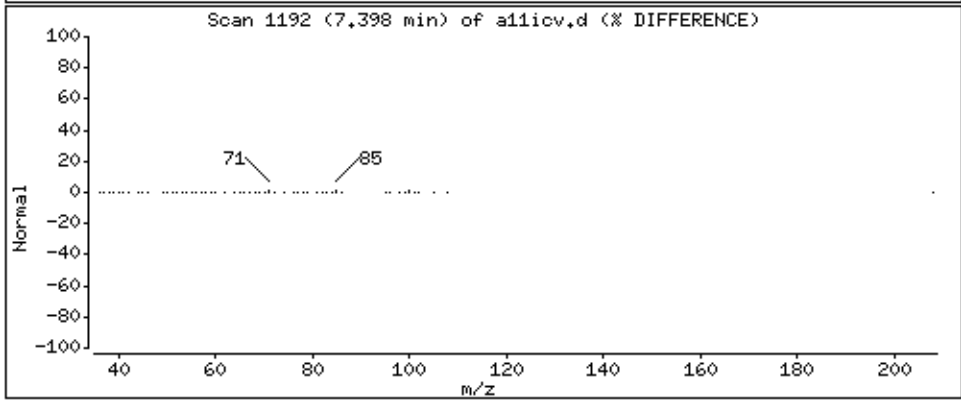
62 2-Hexanone

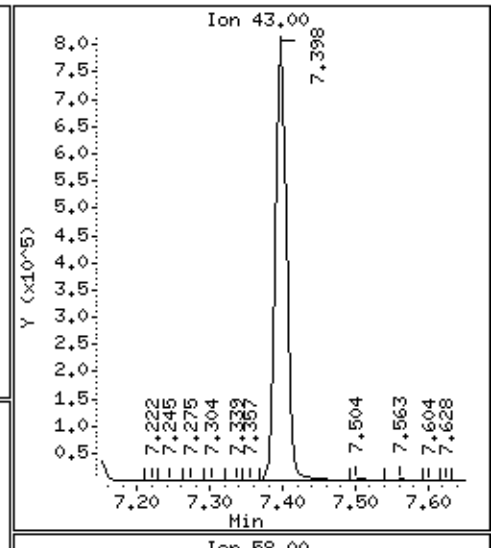
Concentration: 282 ppb

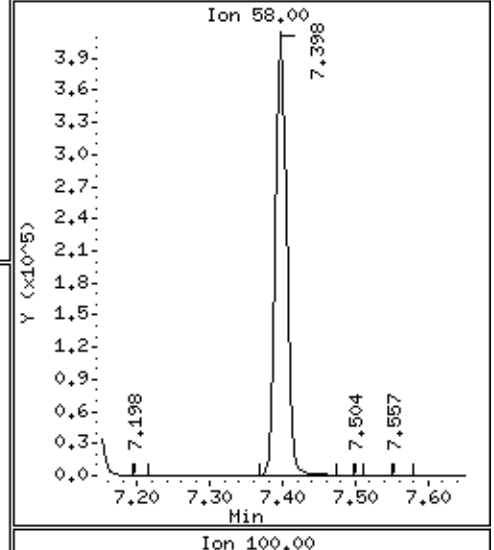


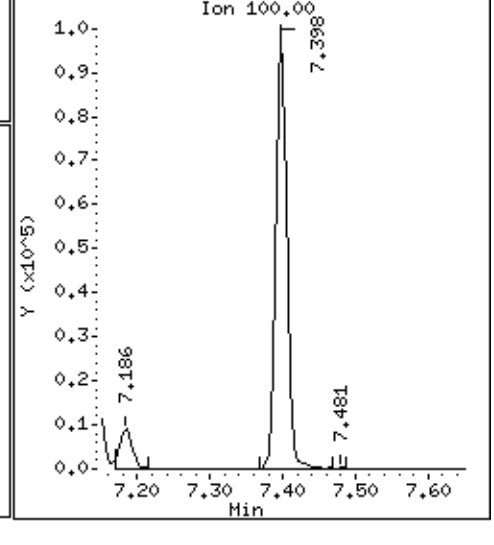












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

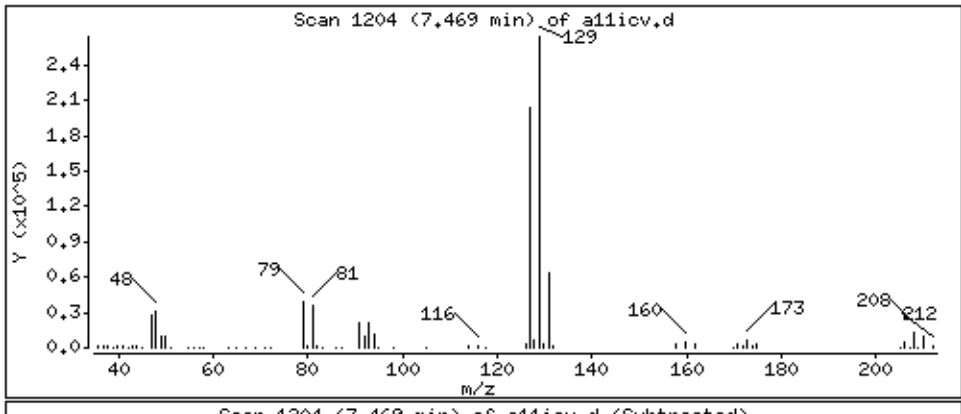
Operator: rsw

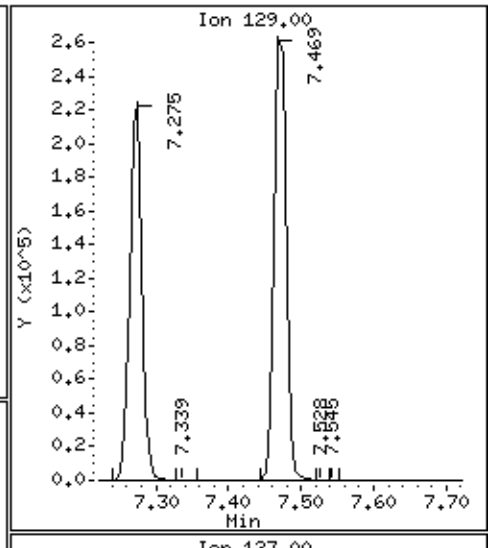
Column phase: DB-624

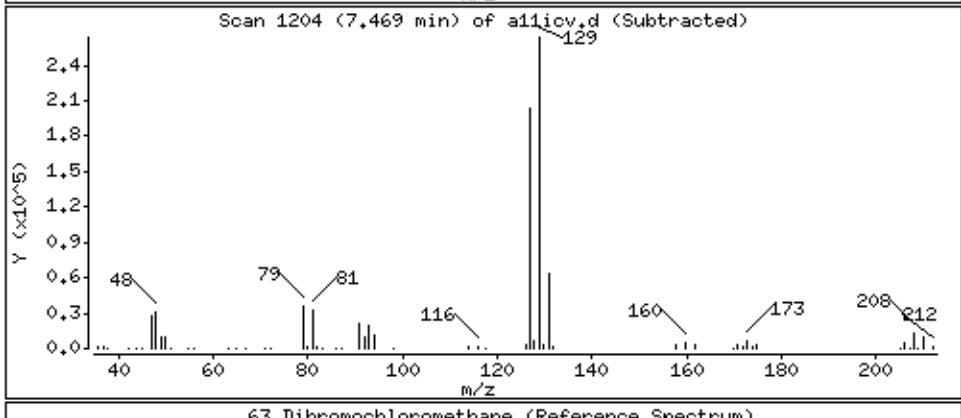
Column diameter: 0.18

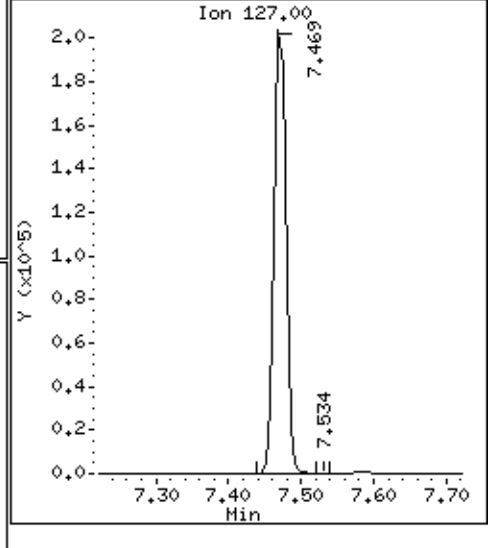
63 Dibromochloromethane

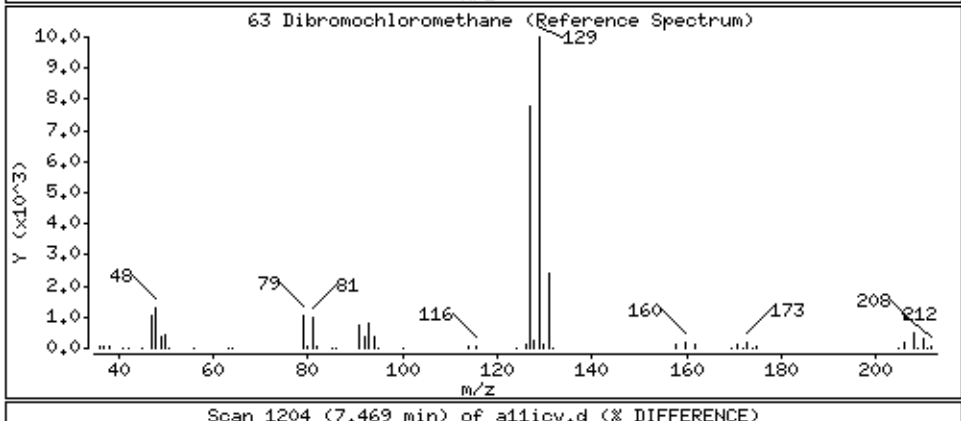
Concentration: 58.0 ppb

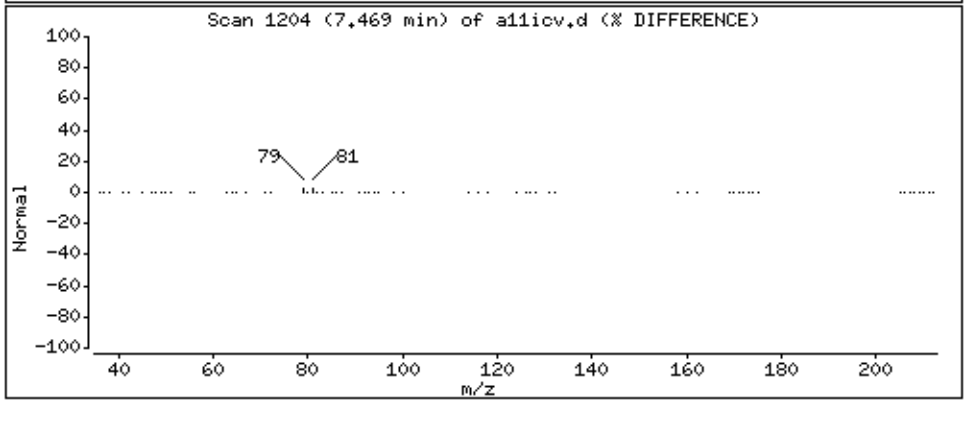












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

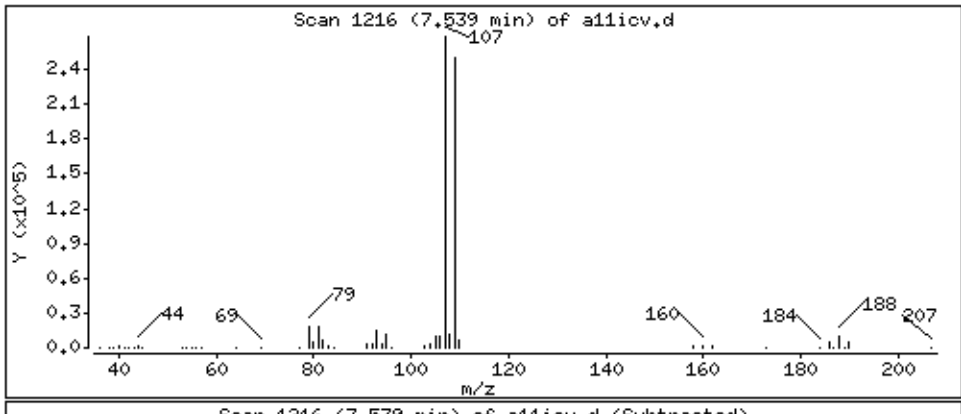
Operator: rsw

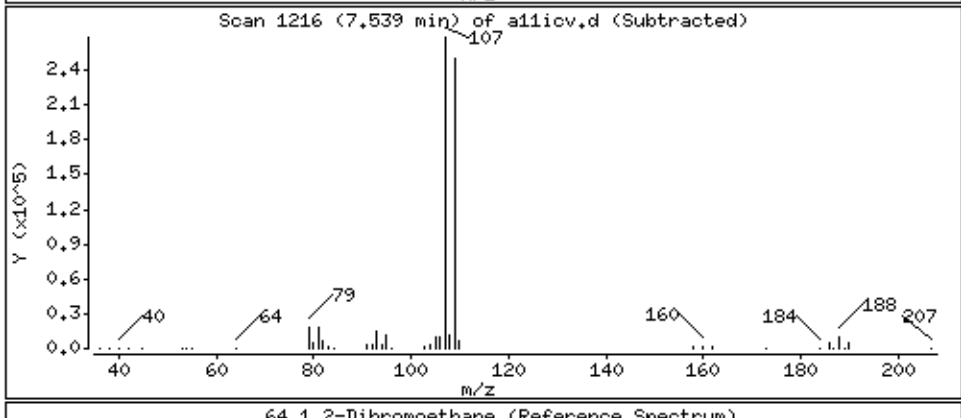
Column phase: DB-624

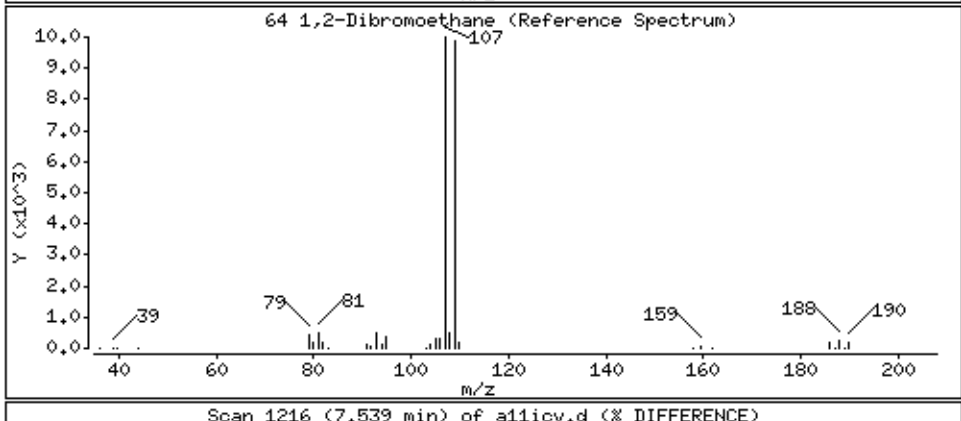
Column diameter: 0.18

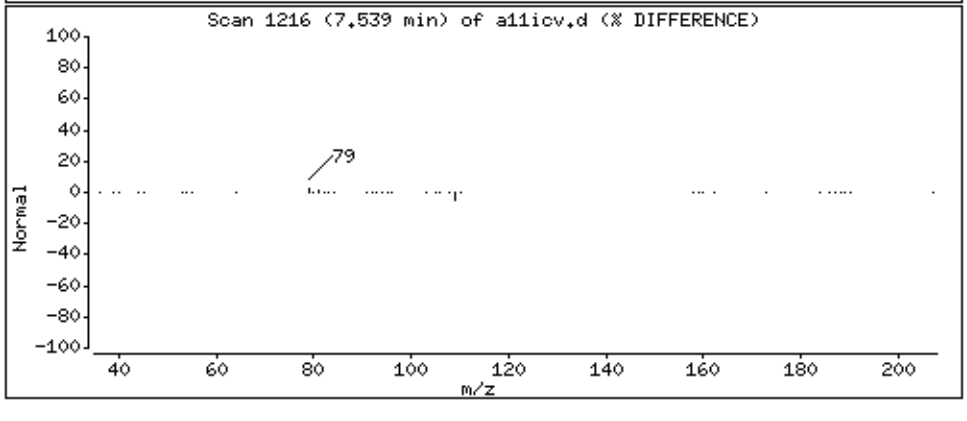
64 1,2-Dibromoethane

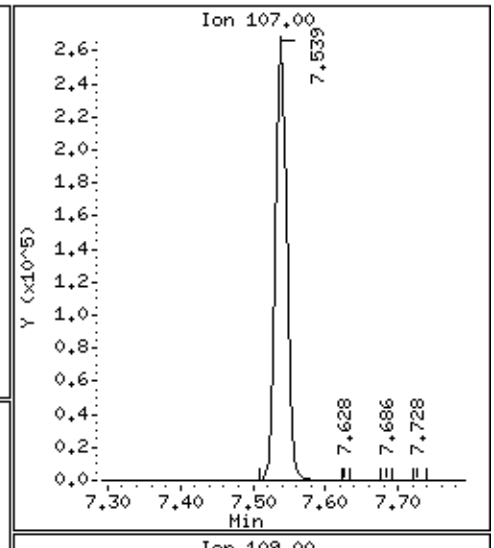
Concentration: 55.6 ppb

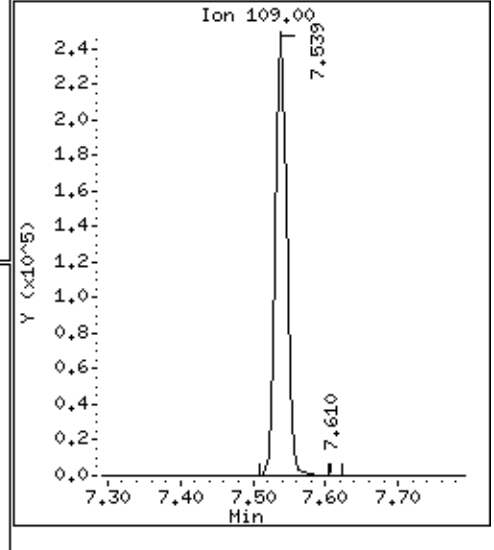












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

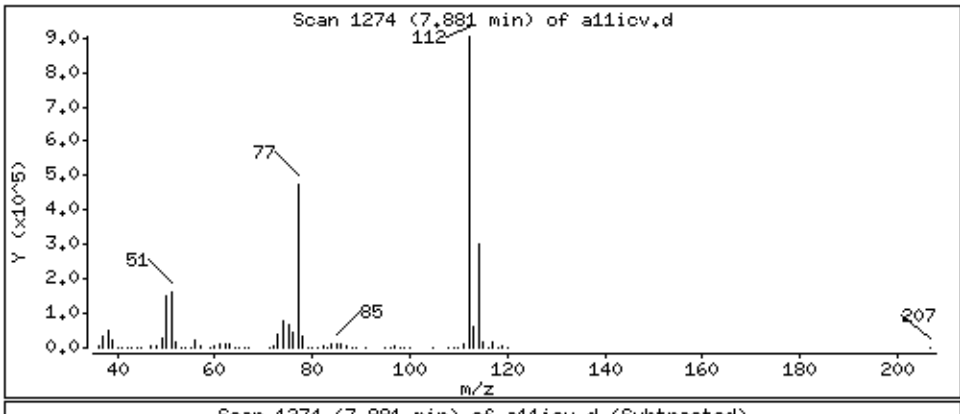
Operator: rsw

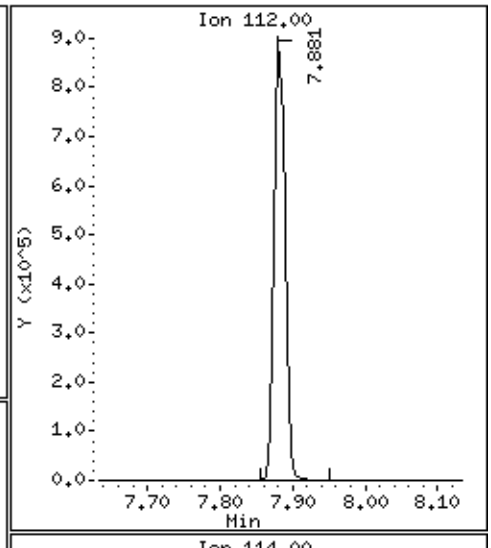
Column phase: DB-624

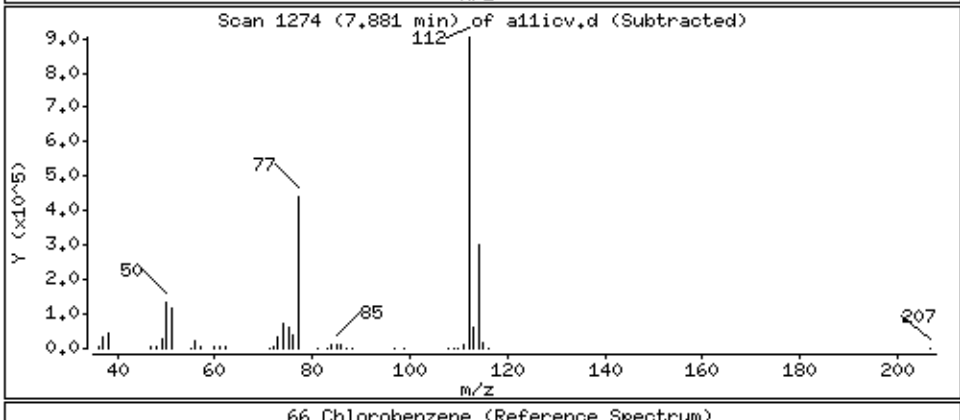
Column diameter: 0.18

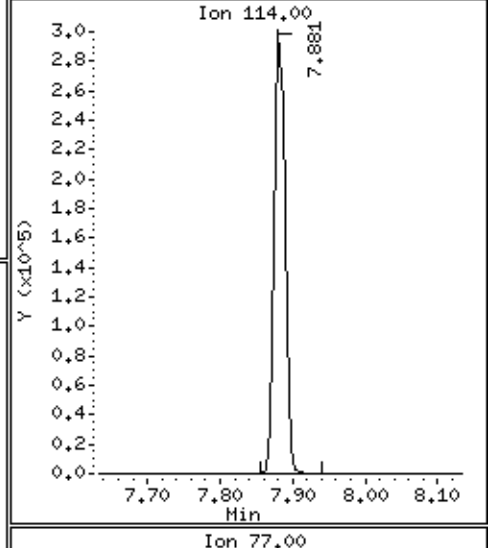
66 Chlorobenzene

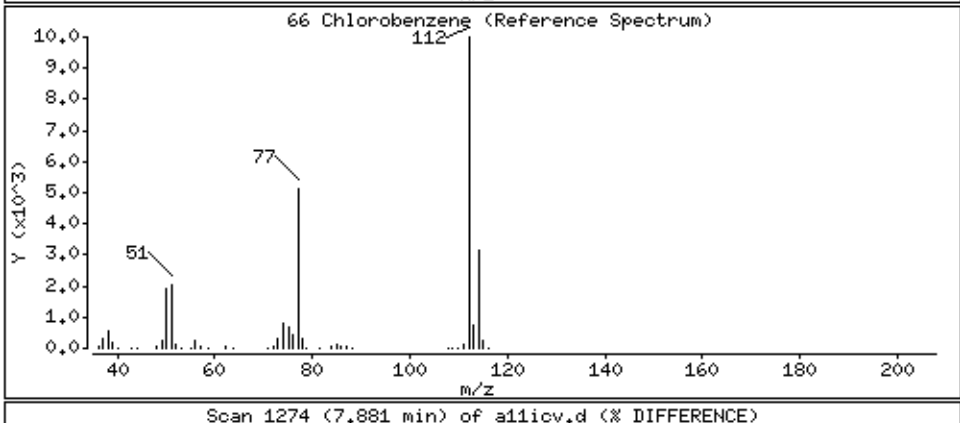
Concentration: 56.6 ppb

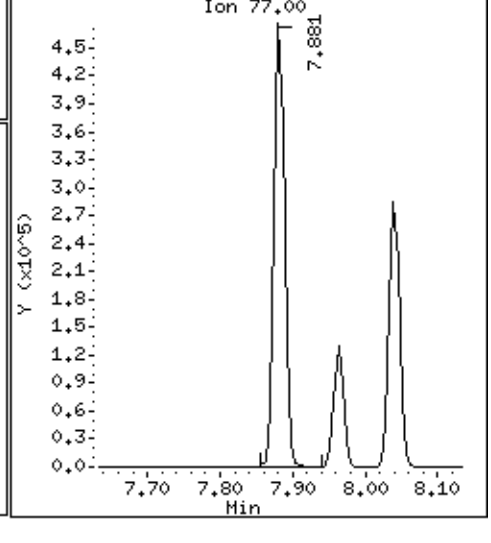


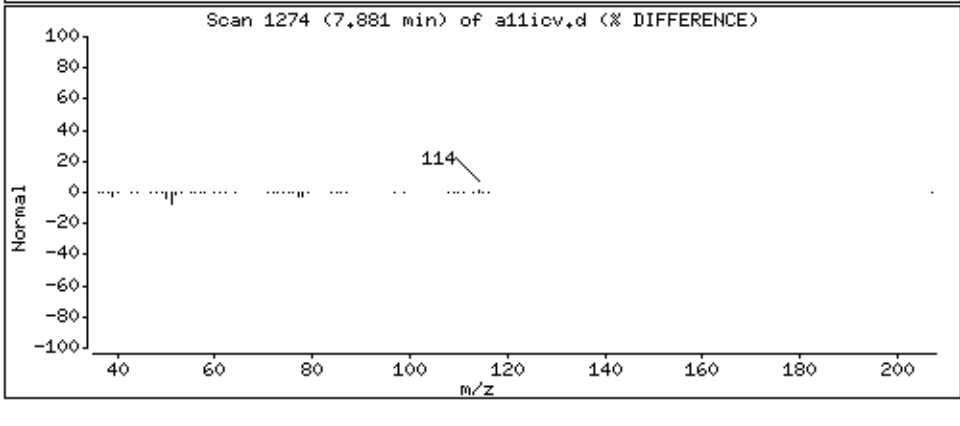












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

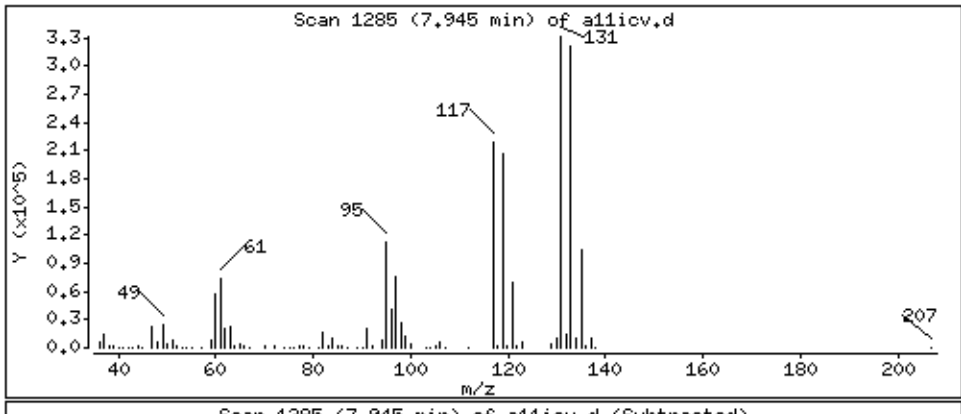
Operator: rsw

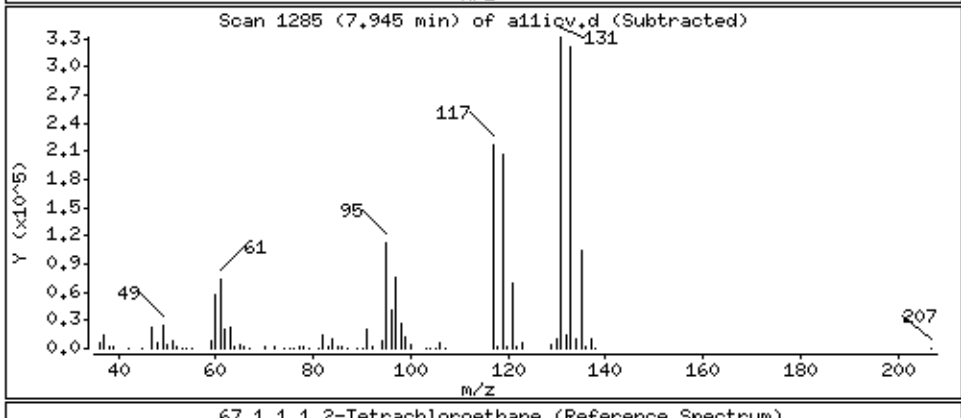
Column phase: DB-624

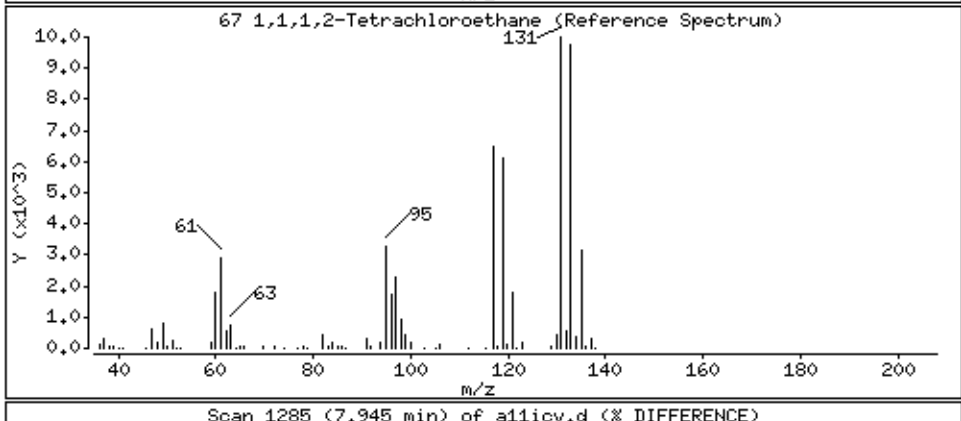
Column diameter: 0.18

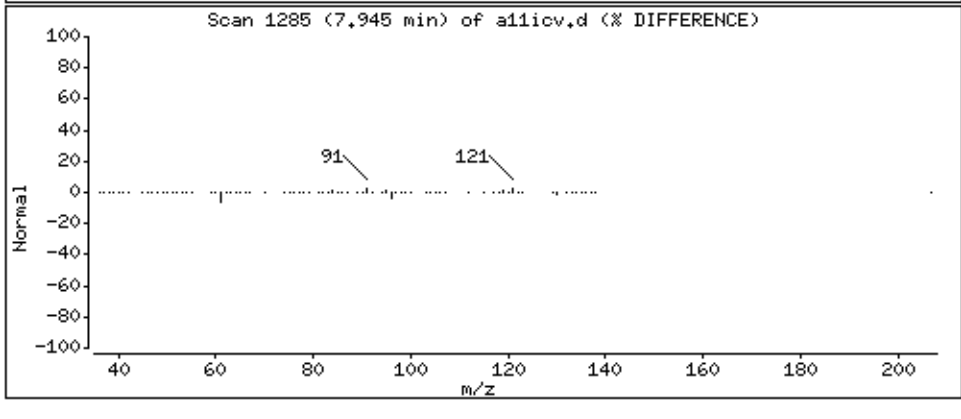
67 1,1,1,2-Tetrachloroethane

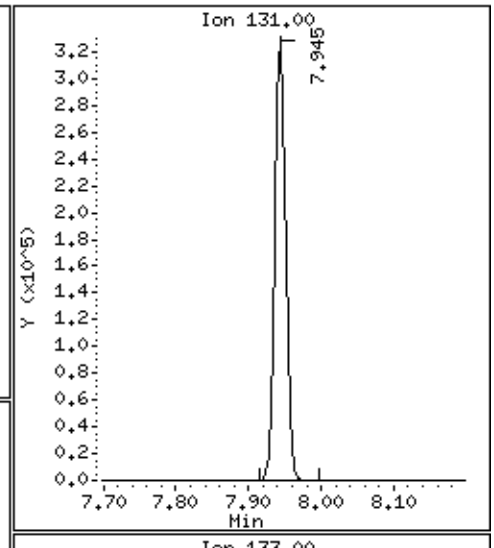
Concentration: 60.4 ppb

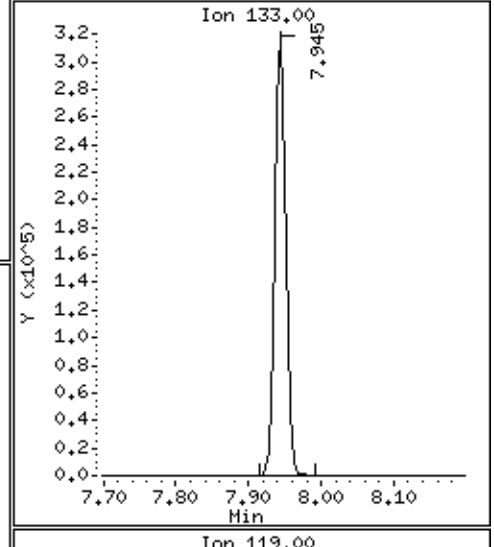


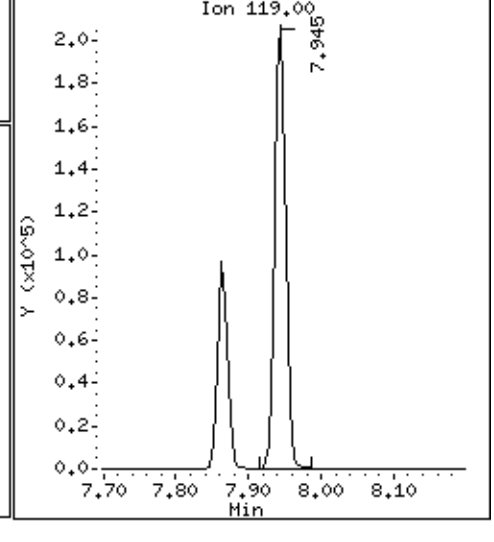












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

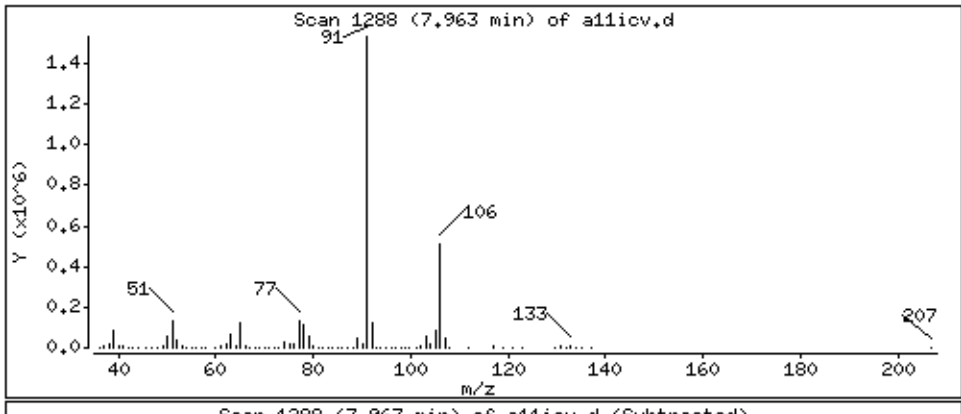
Operator: rsw

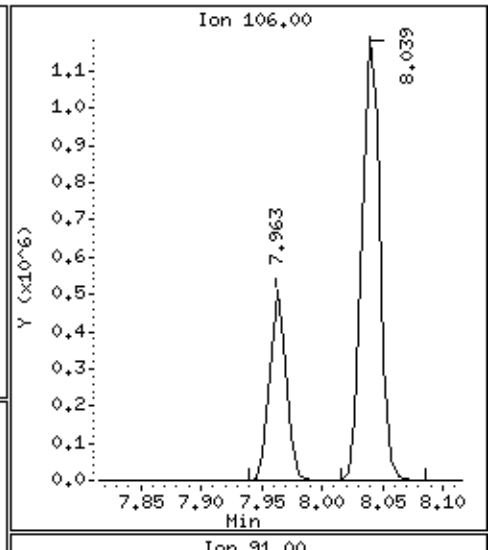
Column phase: DB-624

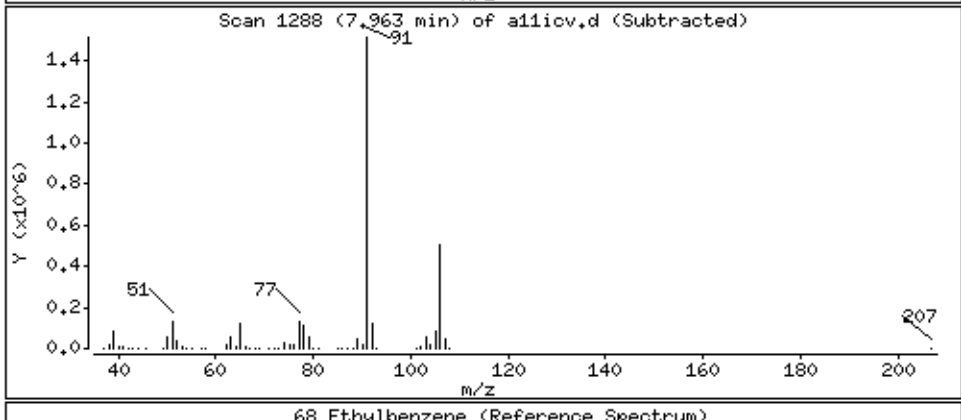
Column diameter: 0.18

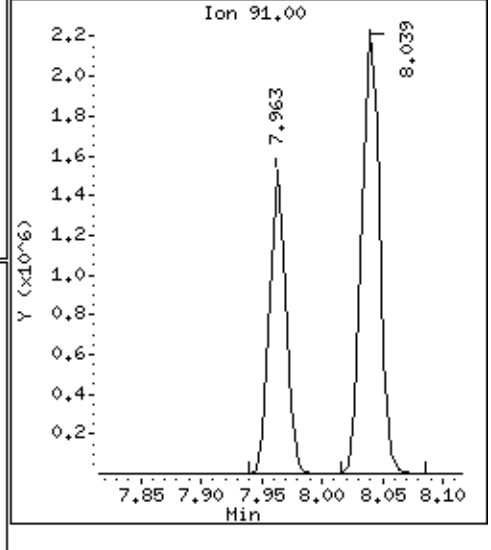
68 Ethylbenzene

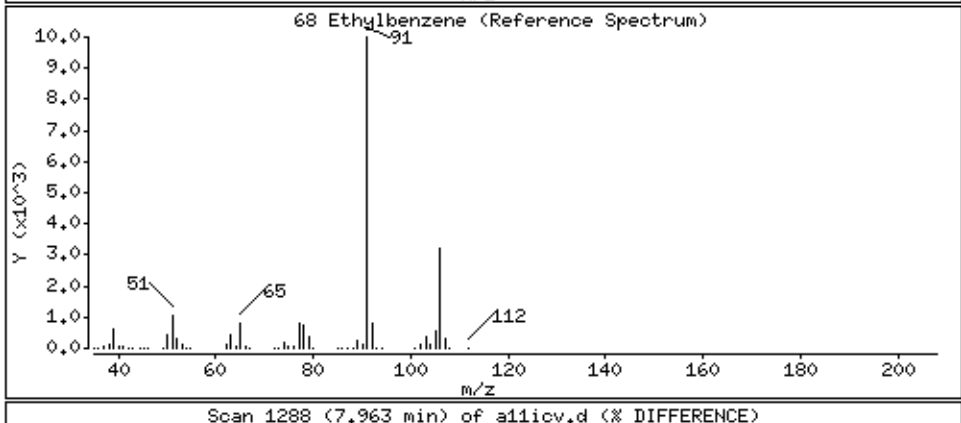
Concentration: 53.9 ppb

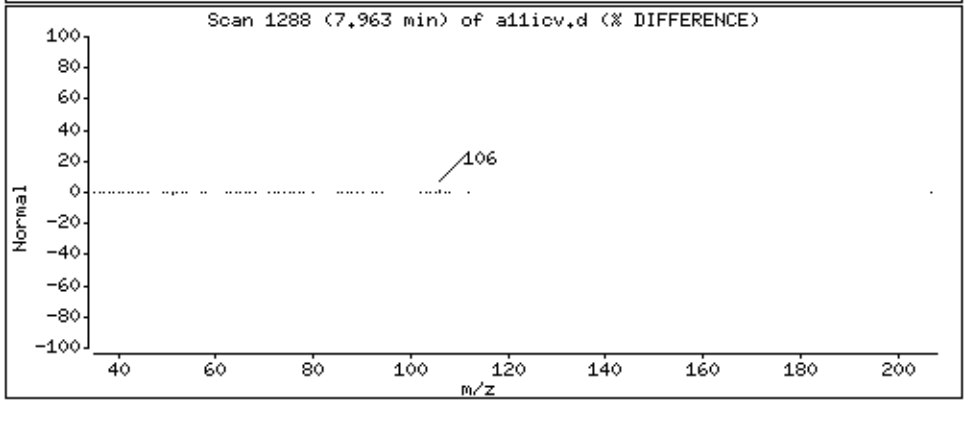












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

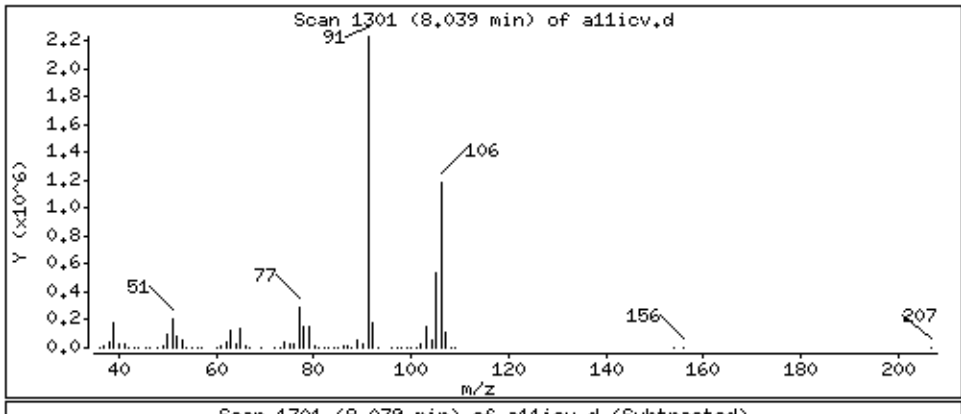
Operator: rsw

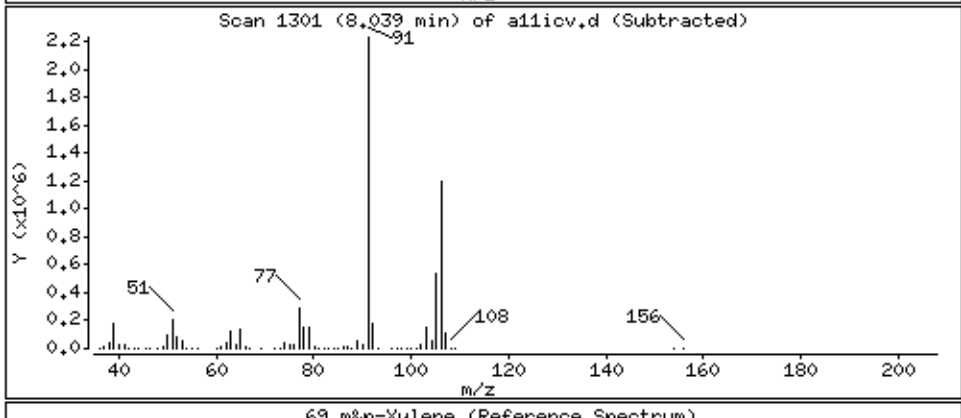
Column phase: DB-624

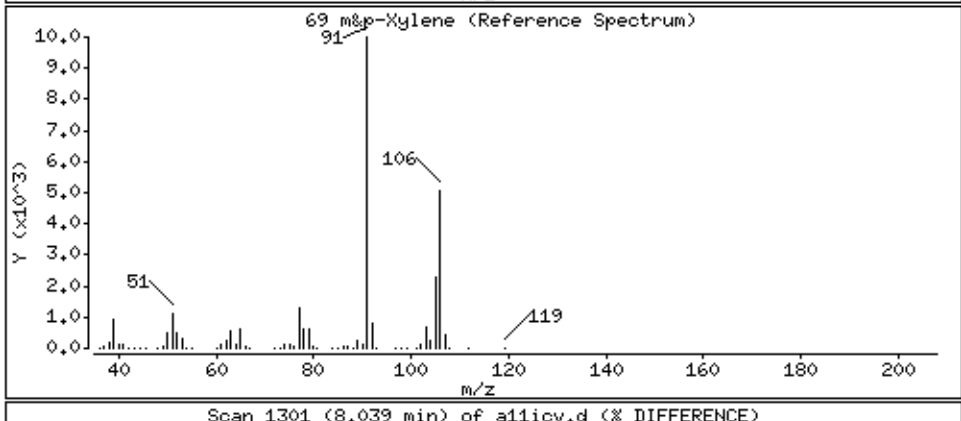
Column diameter: 0.18

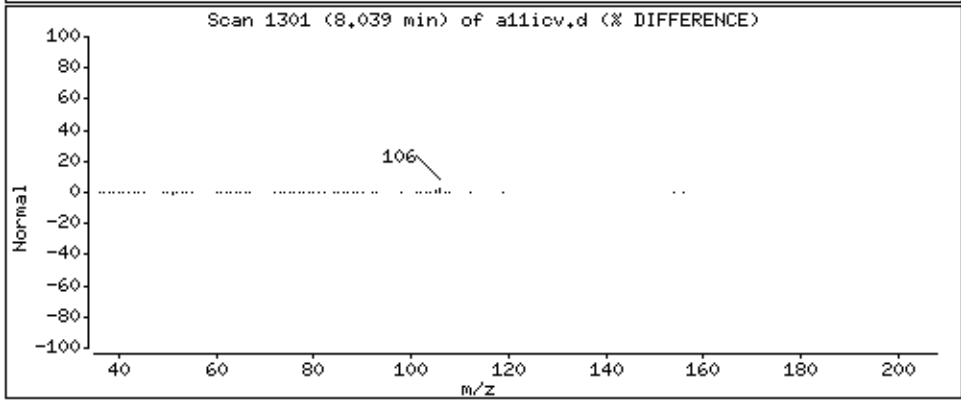
69 m&p-Xylene

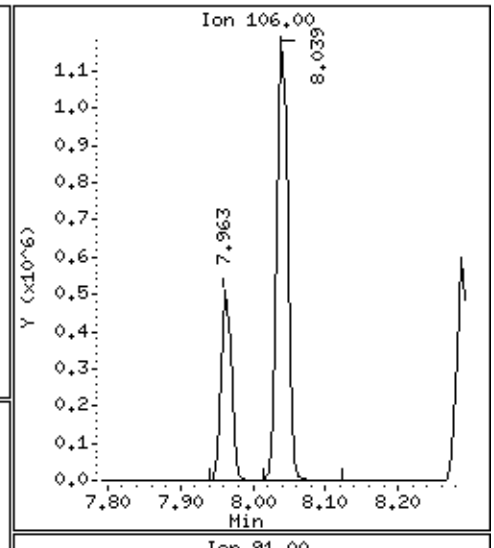
Concentration: 117 ppb

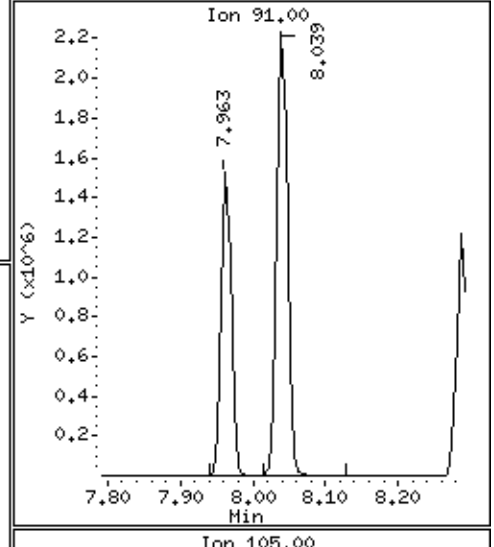


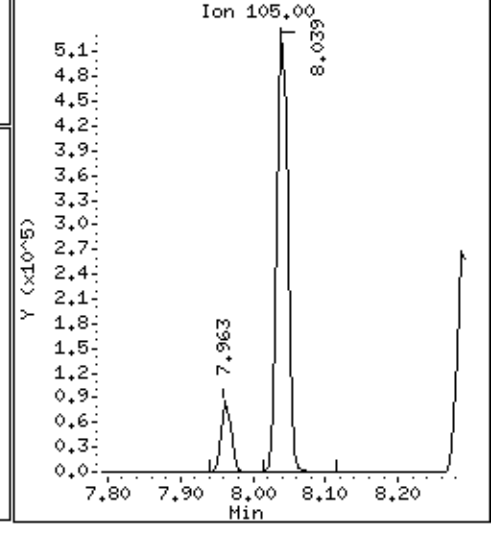












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

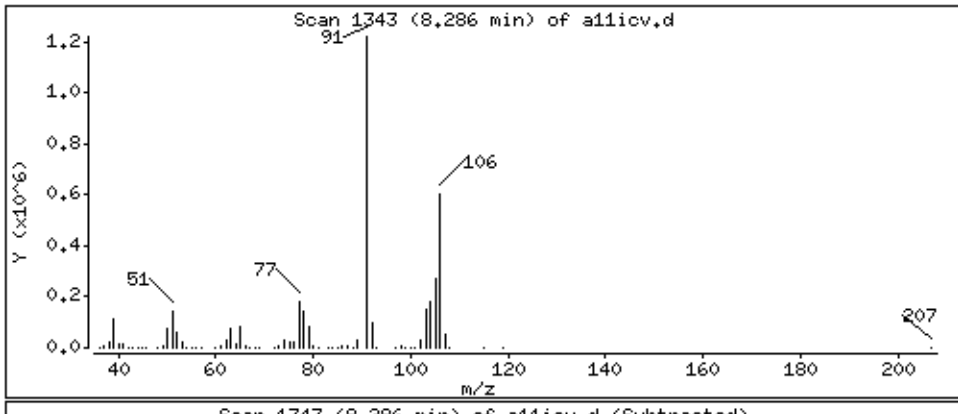
Operator: rsw

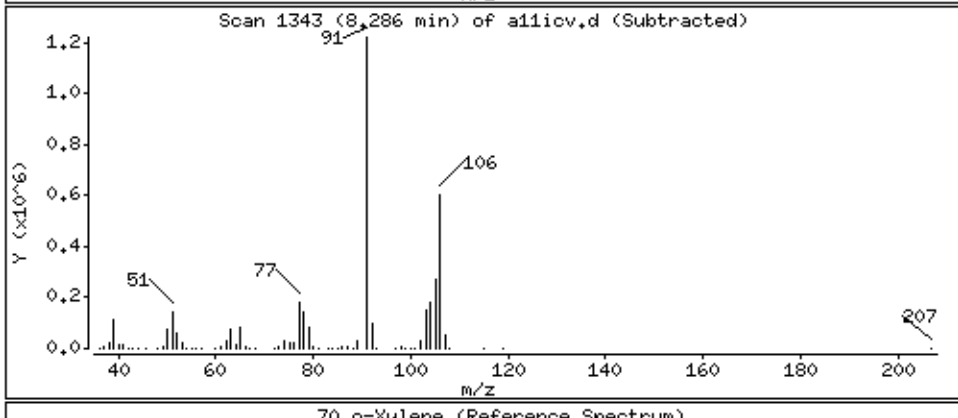
Column phase: DB-624

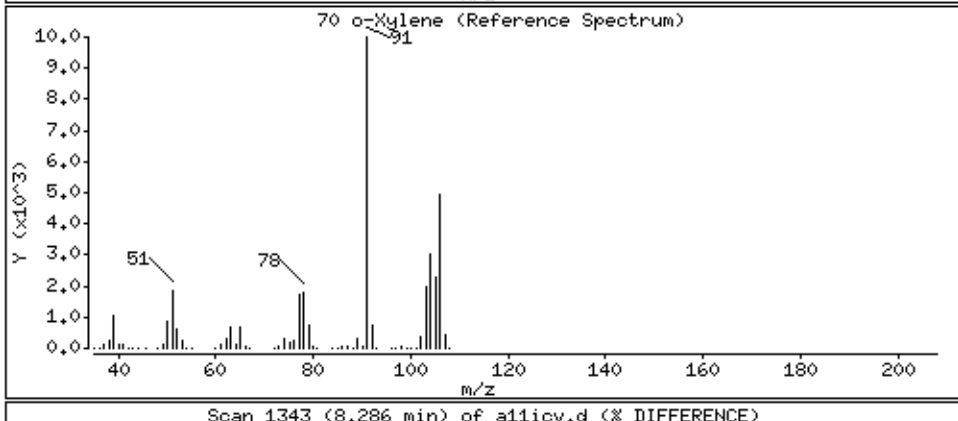
Column diameter: 0.18

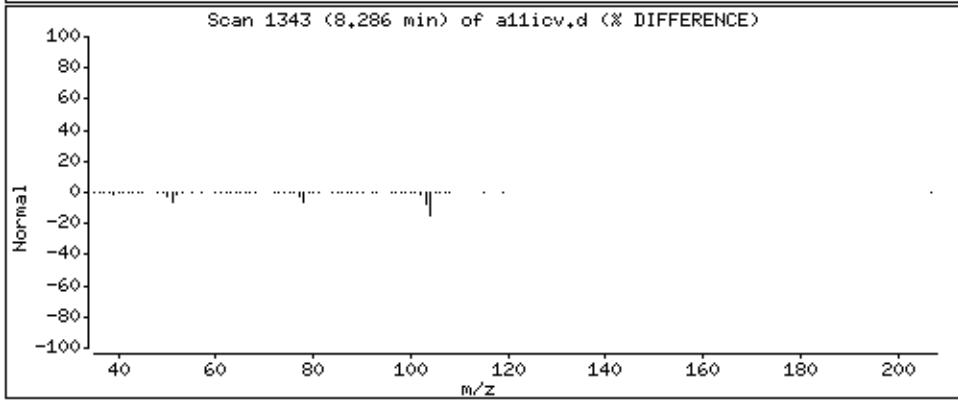
70 o-Xylene

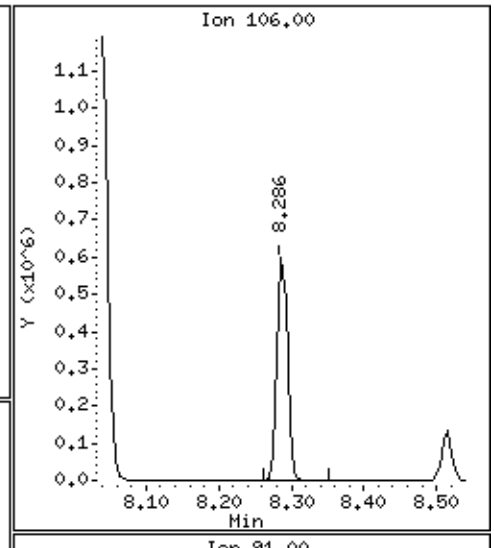
Concentration: 57.4 ppb

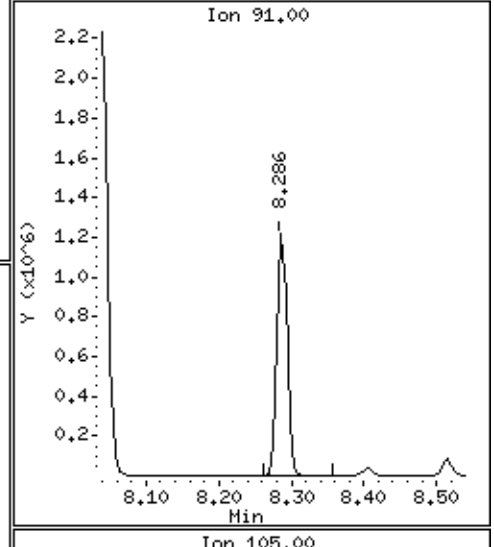


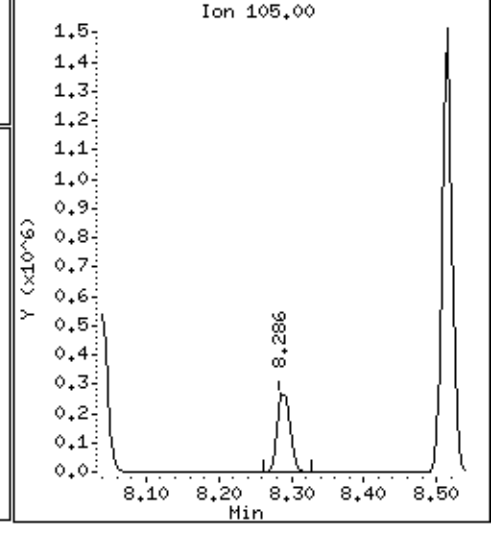












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

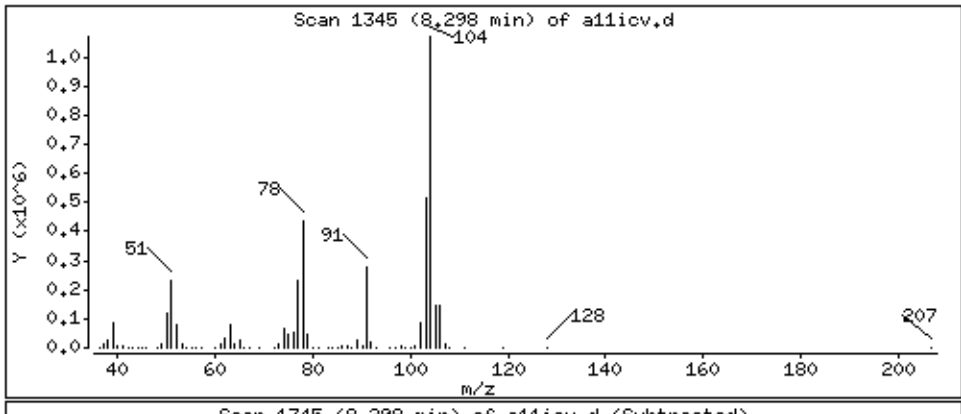
Operator: rsw

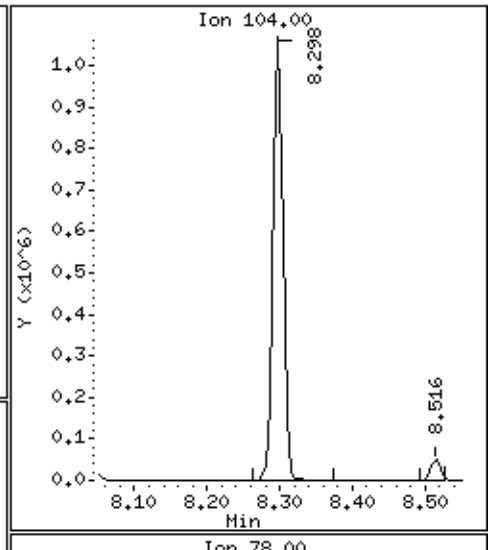
Column phase: DB-624

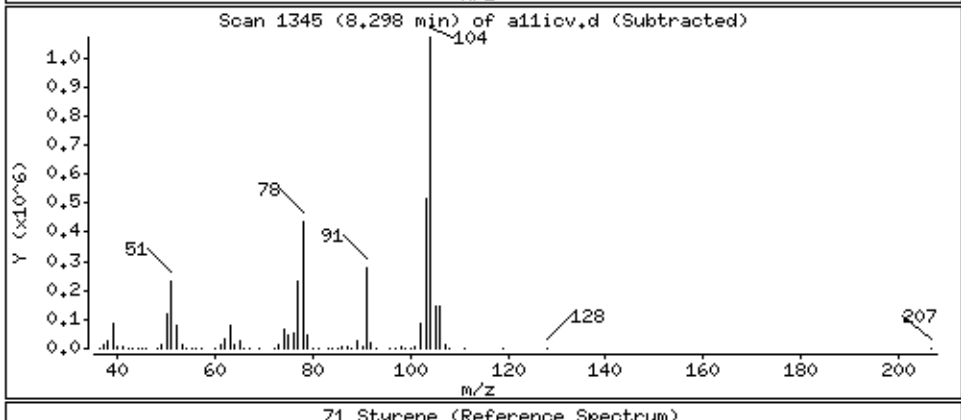
Column diameter: 0.18

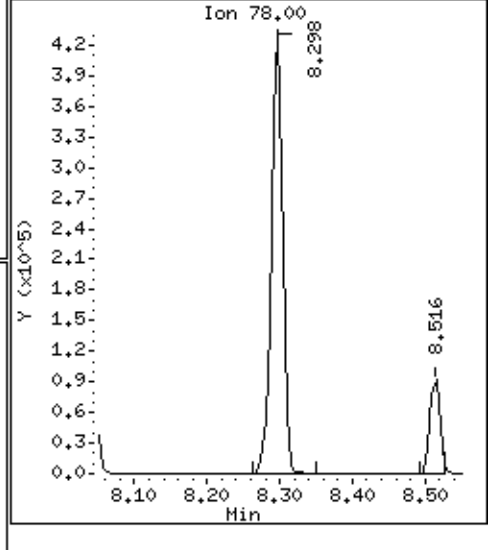
71 Styrene

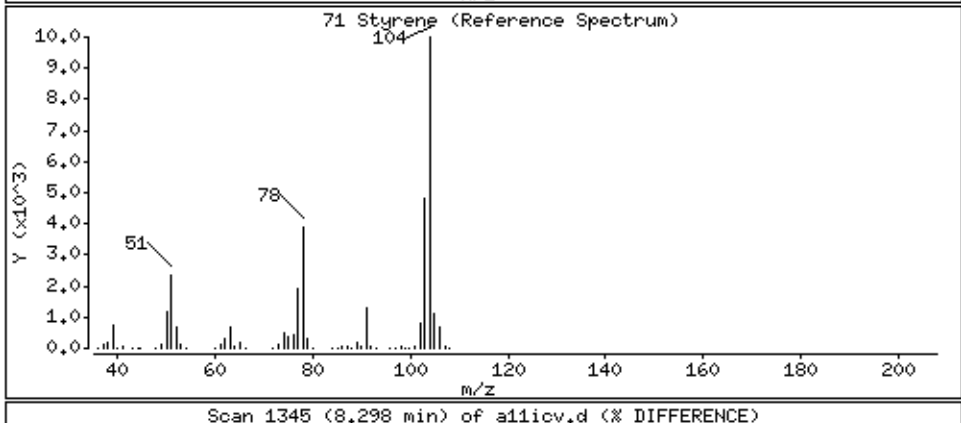
Concentration: 58.9 ppb

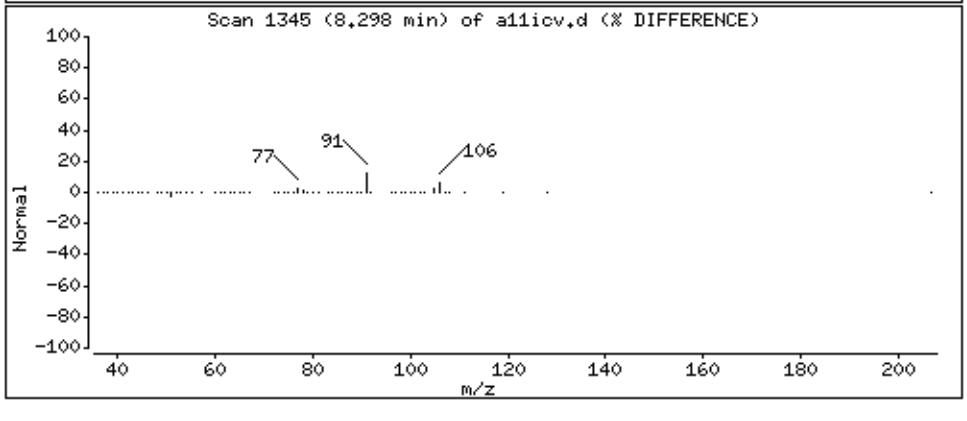












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

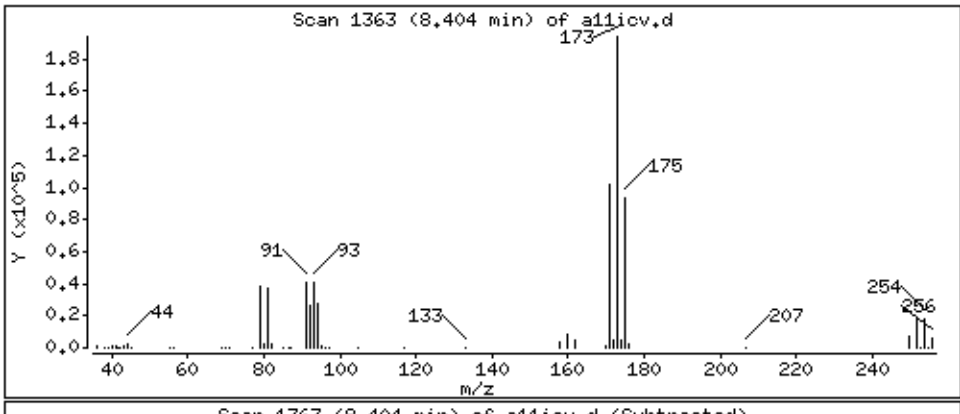
Operator: rsw

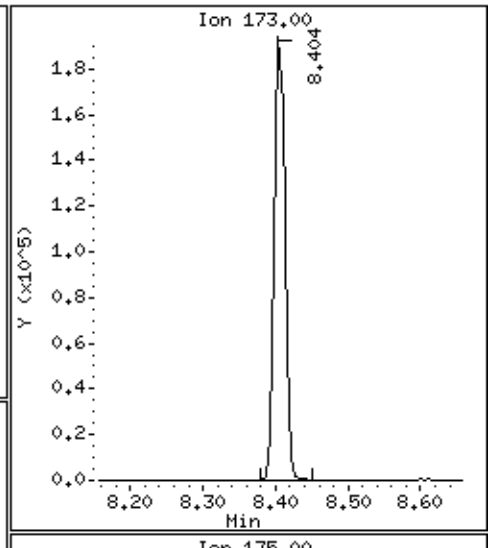
Column phase: DB-624

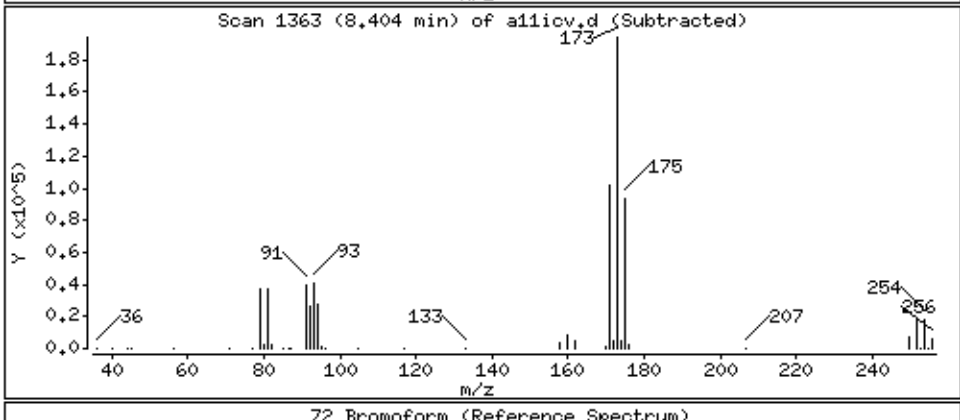
Column diameter: 0.18

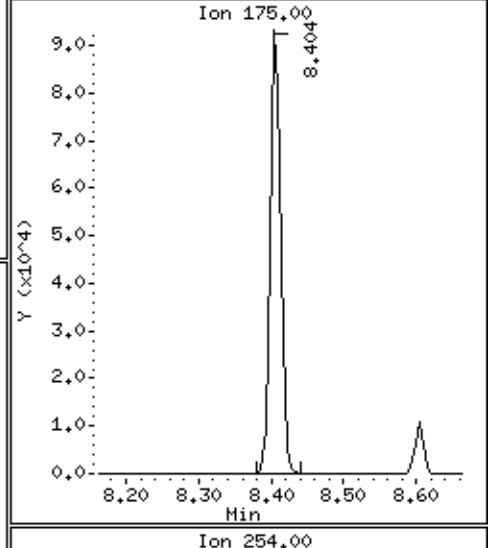
72 Bromoform

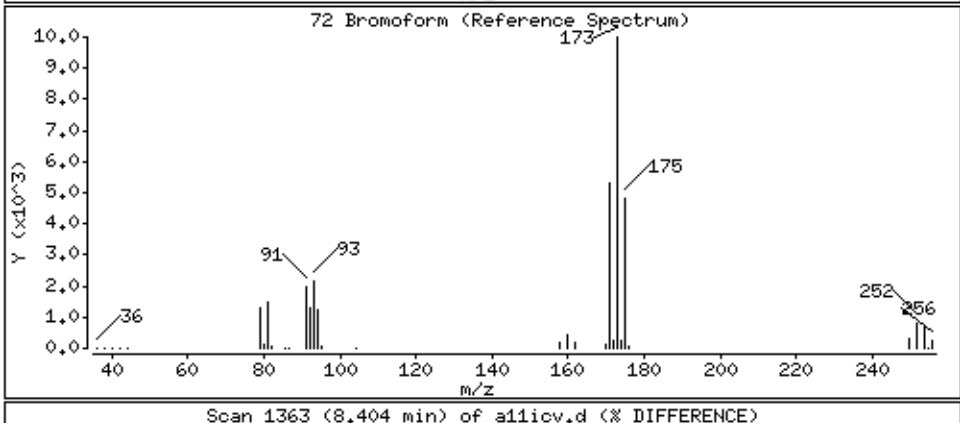
Concentration: 47.4 ppb

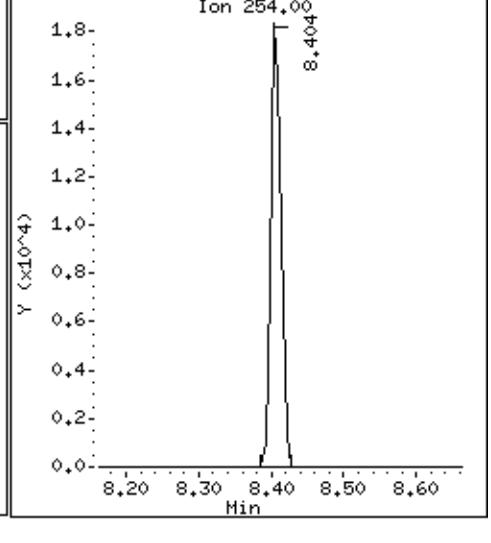


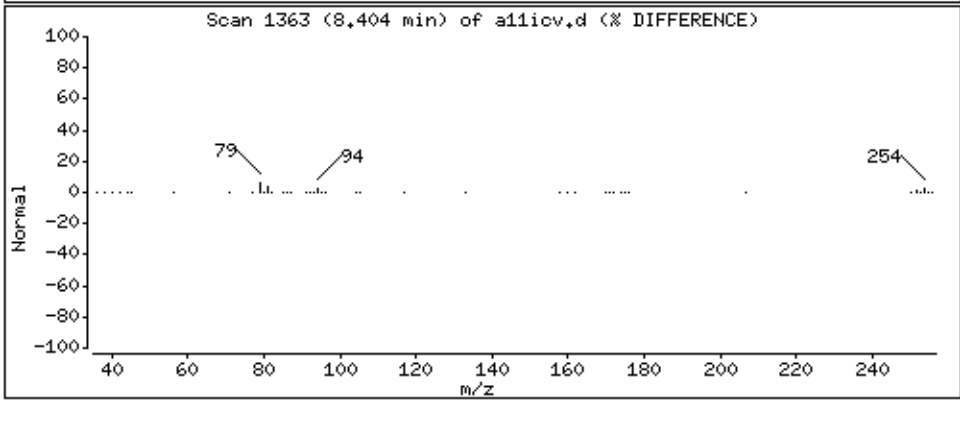












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

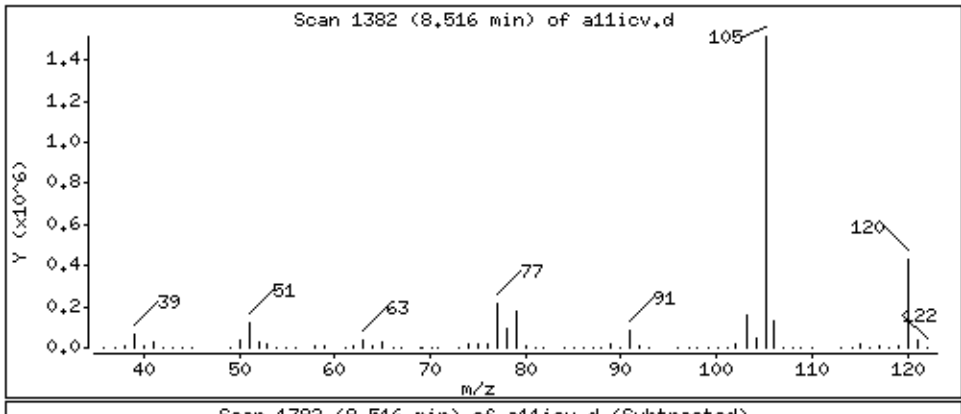
Operator: rsw

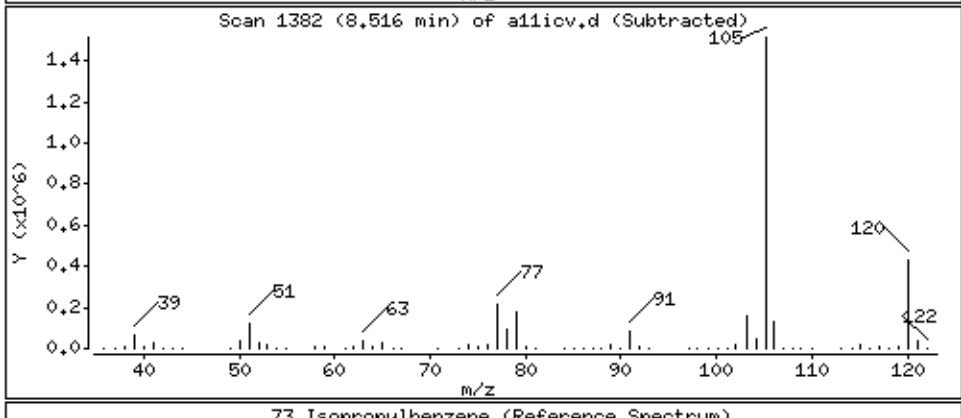
Column phase: DB-624

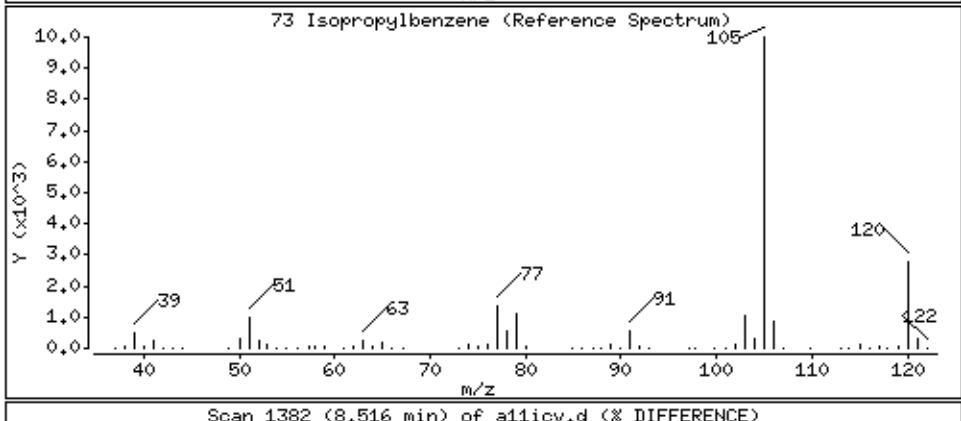
Column diameter: 0.18

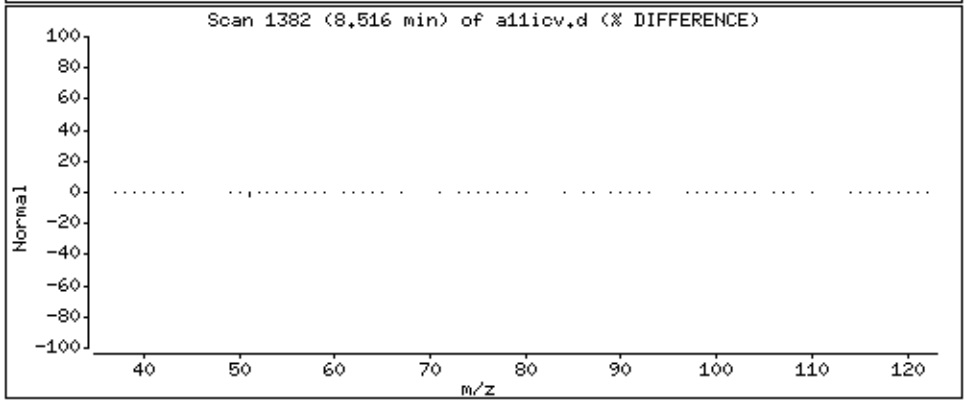
73 Isopropylbenzene

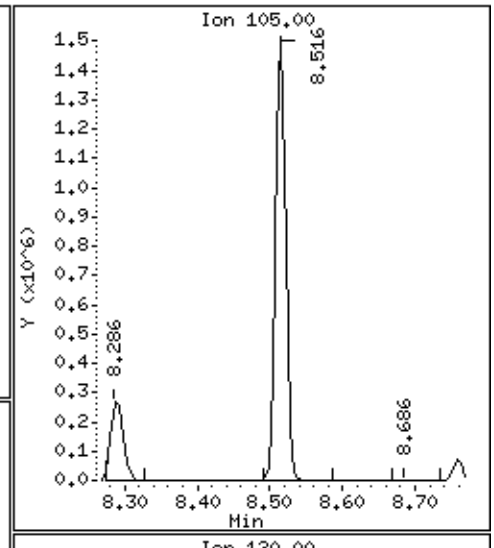
Concentration: 57.3 ppb

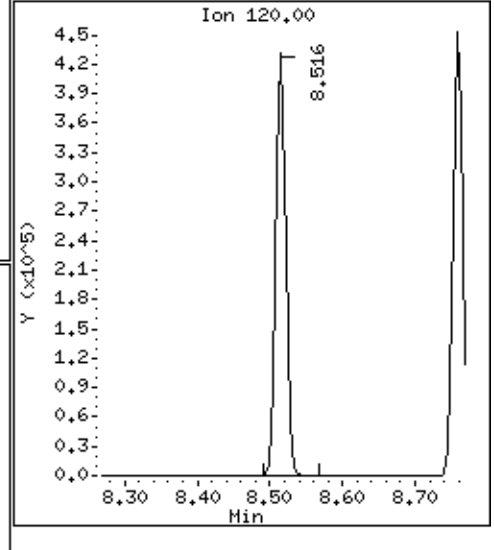












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

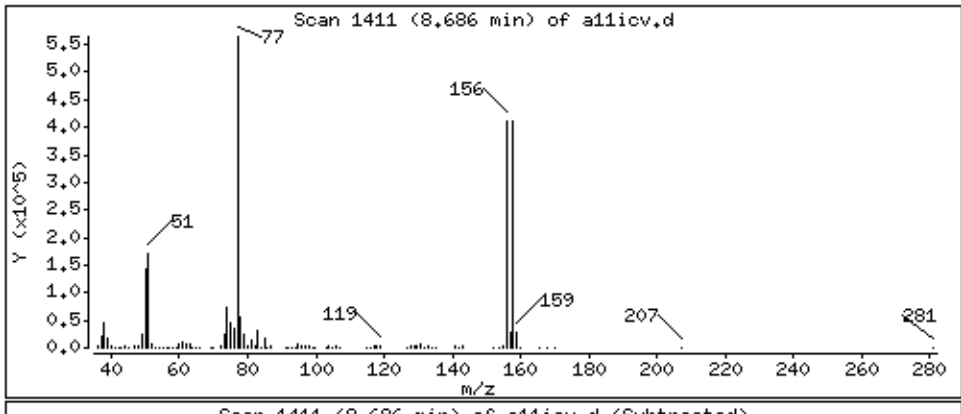
Operator: rsw

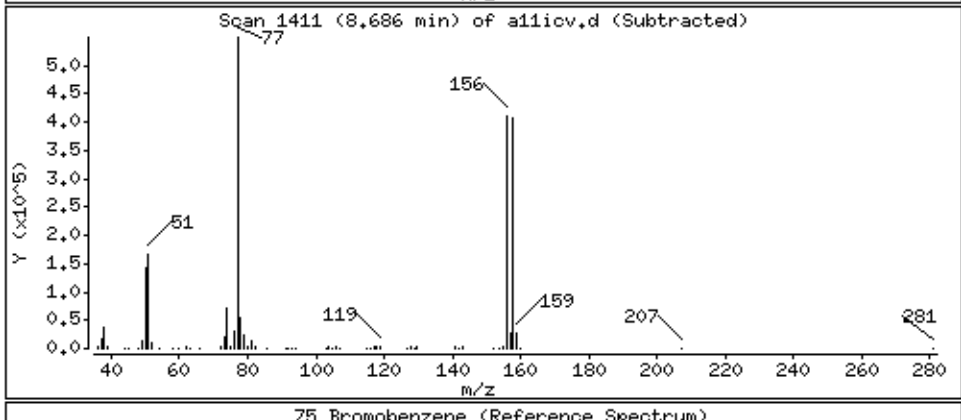
Column phase: DB-624

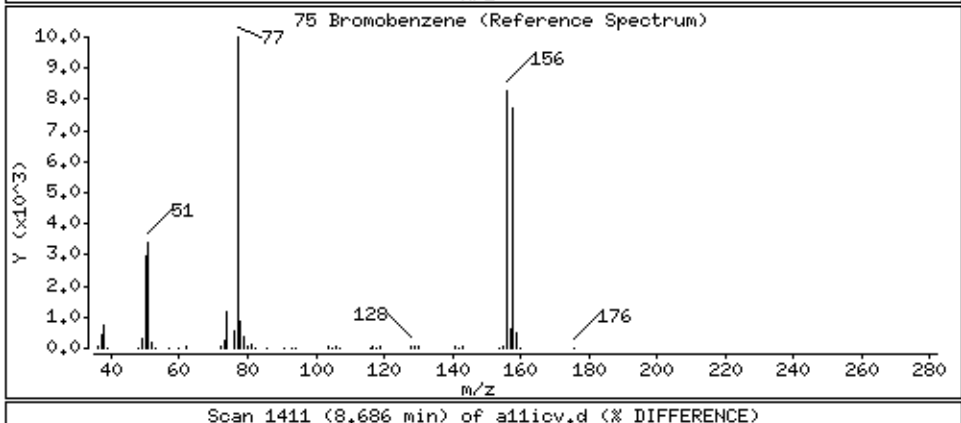
Column diameter: 0.18

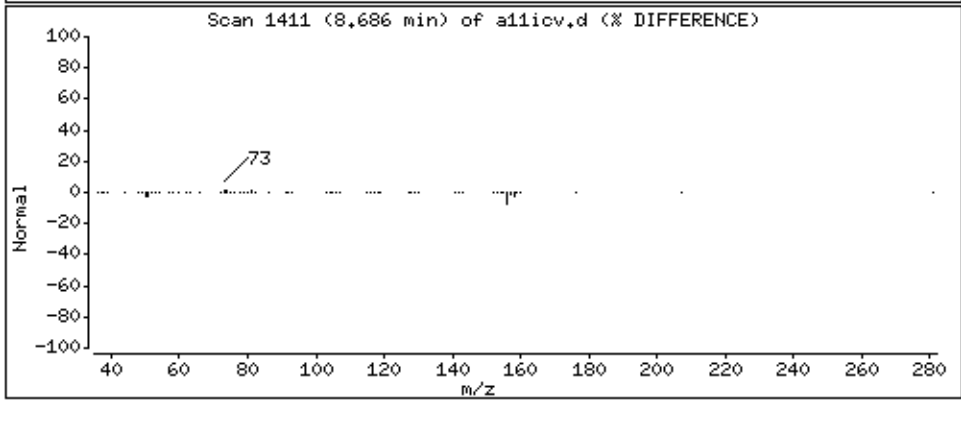
75 Bromobenzene

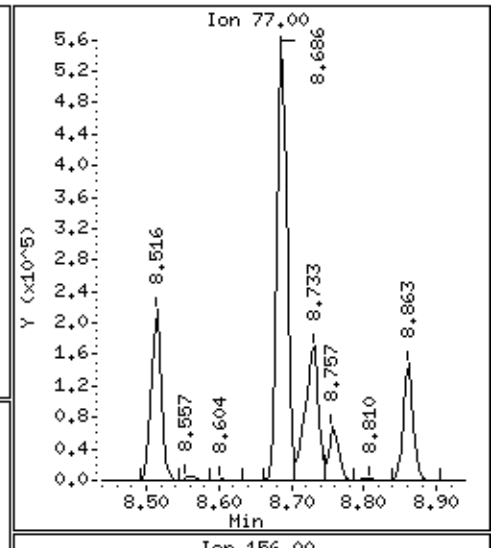
Concentration: 54.4 ppb

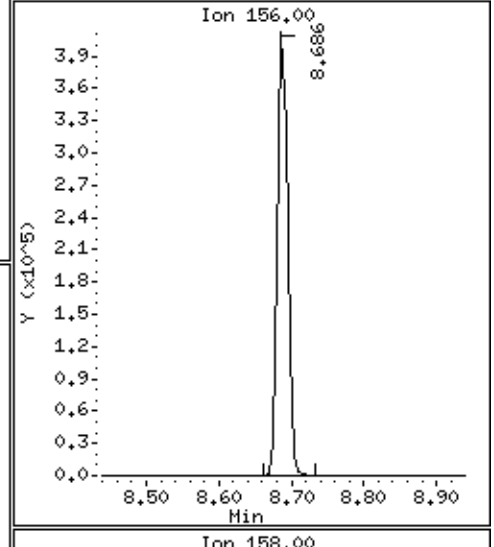


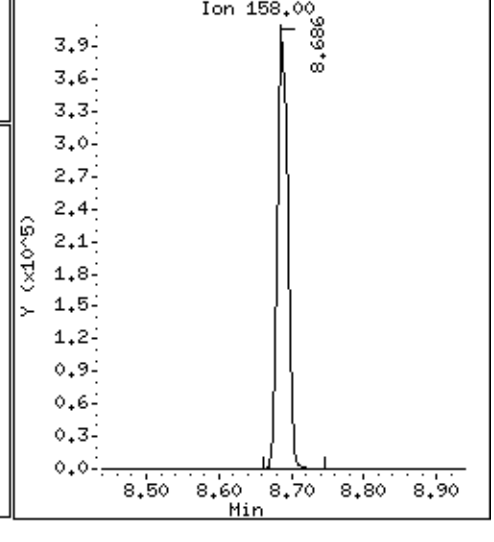












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

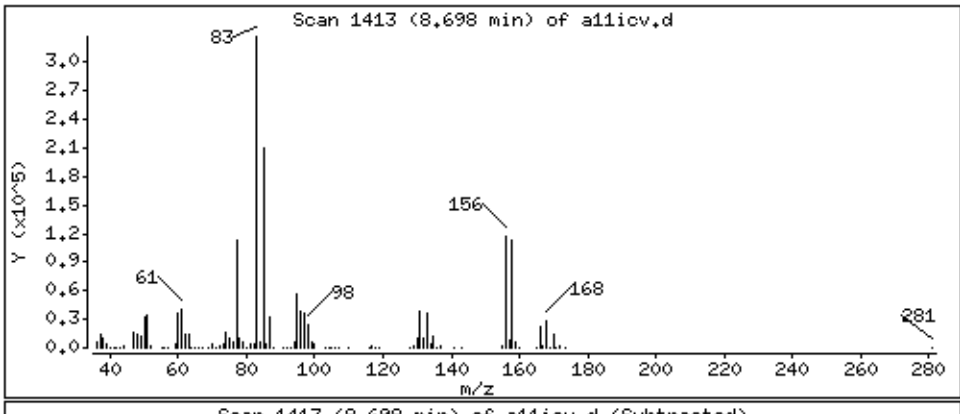
Operator: rsw

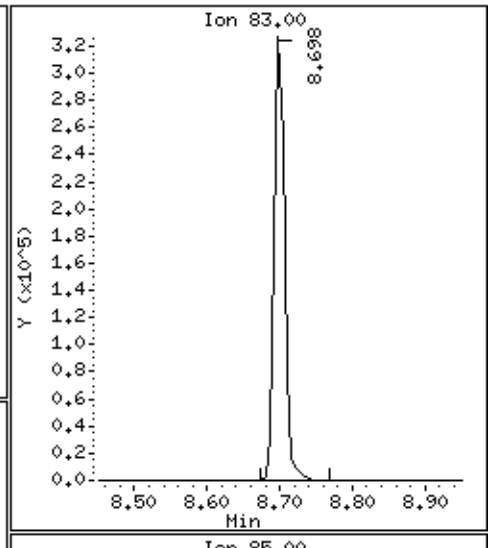
Column phase: DB-624

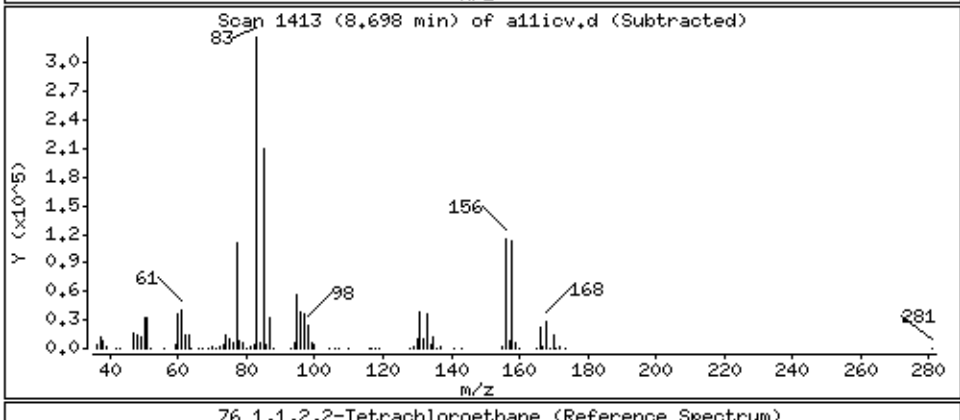
Column diameter: 0.18

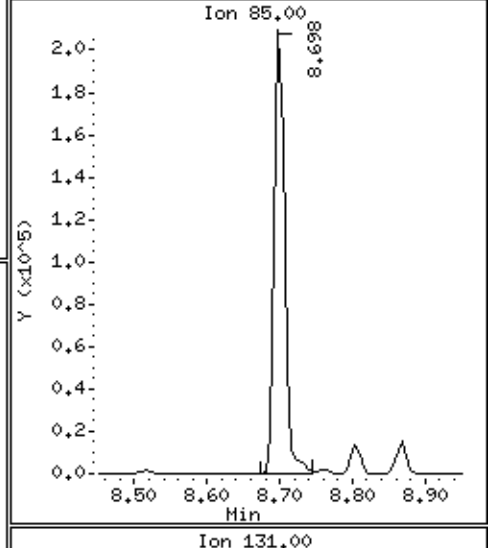
76 1,1,2,2-Tetrachloroethane

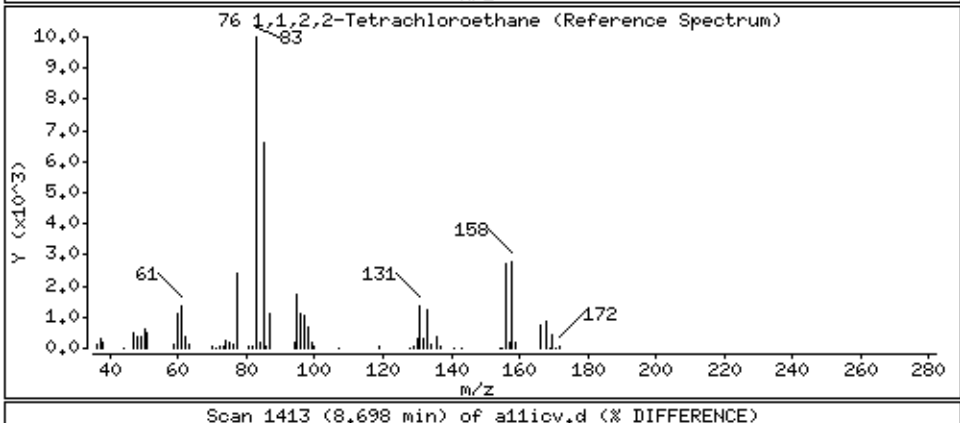
Concentration: 54.3 ppb

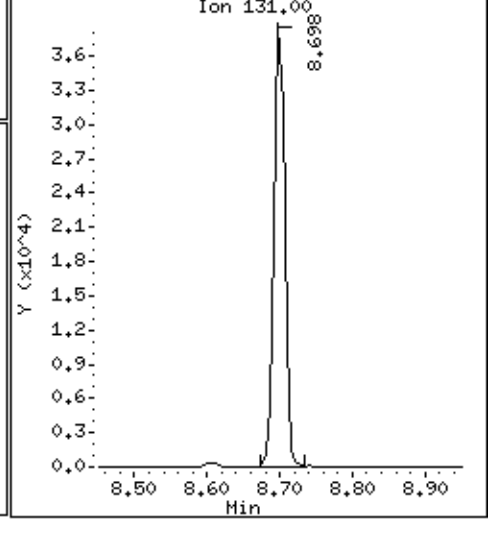


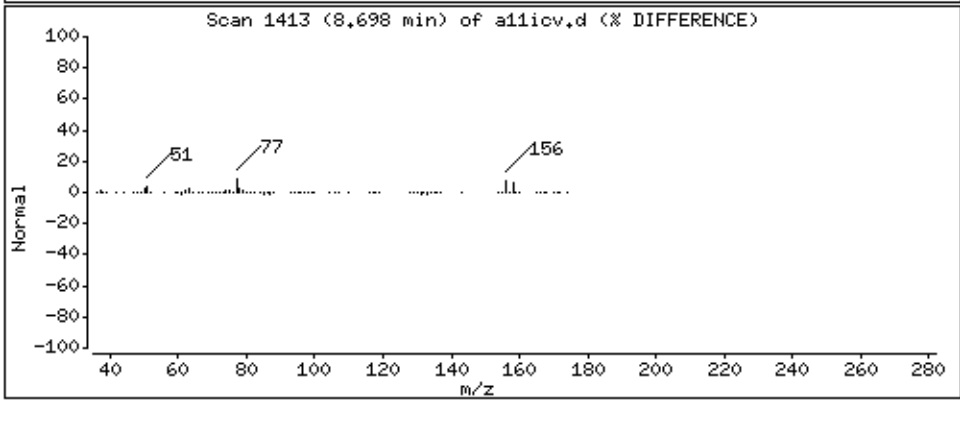












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

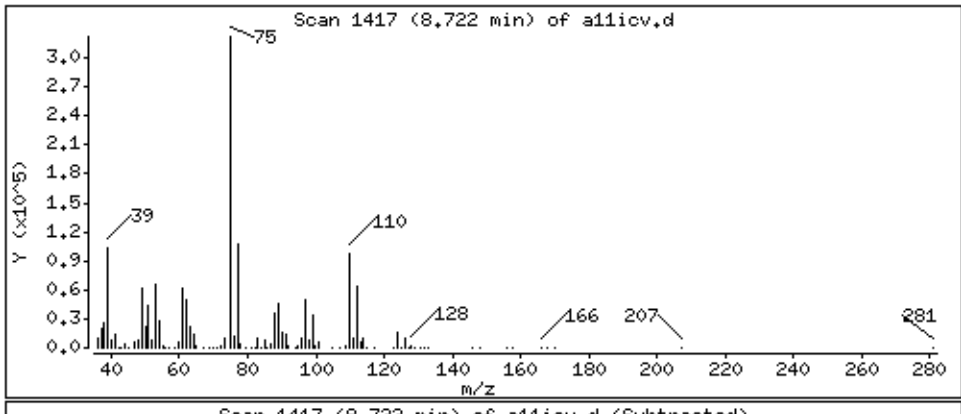
Operator: rsw

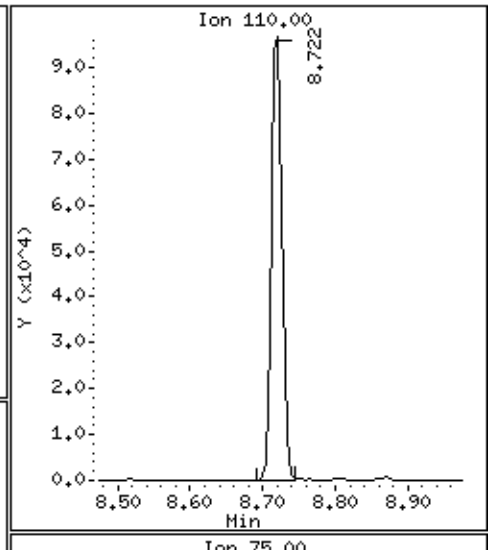
Column phase: DB-624

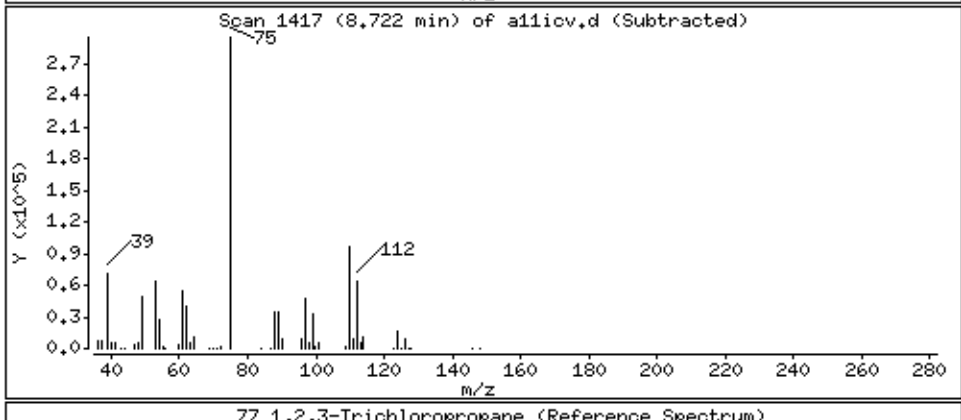
Column diameter: 0.18

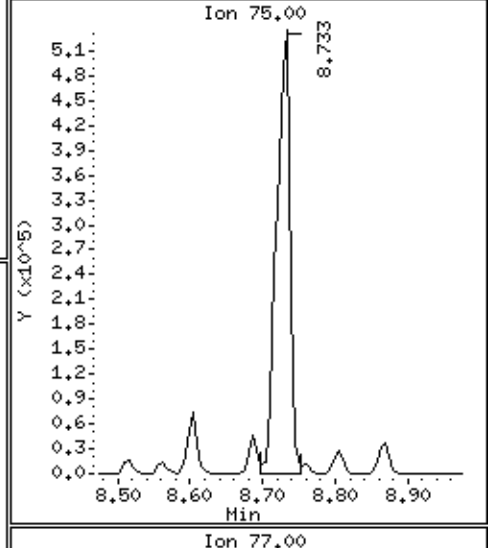
77 1,2,3-Trichloropropane

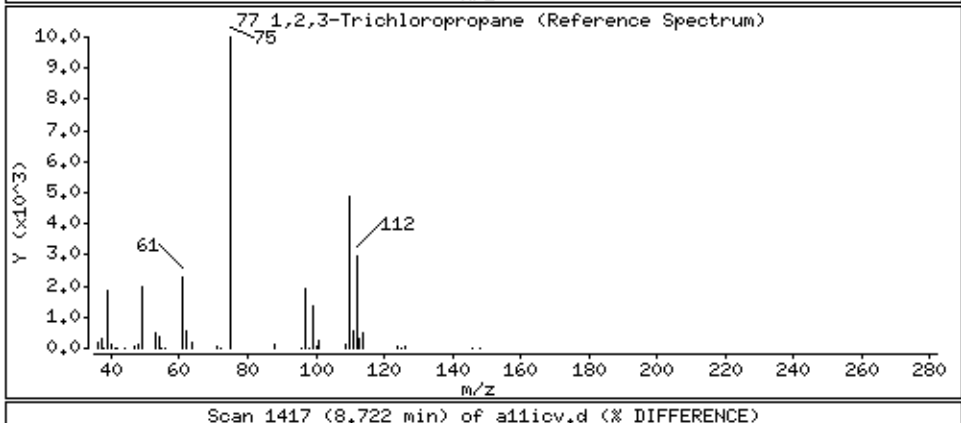
Concentration: 53.8 ppb

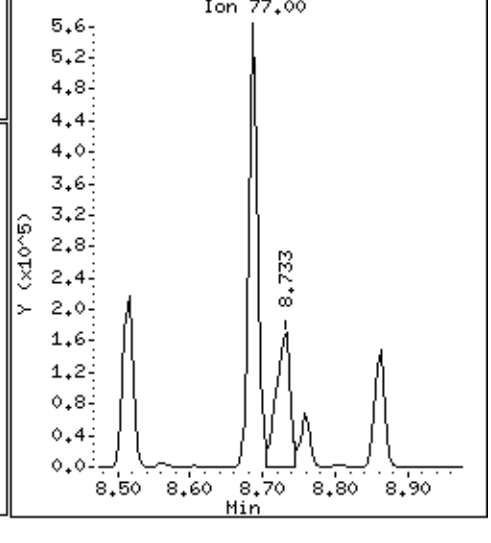


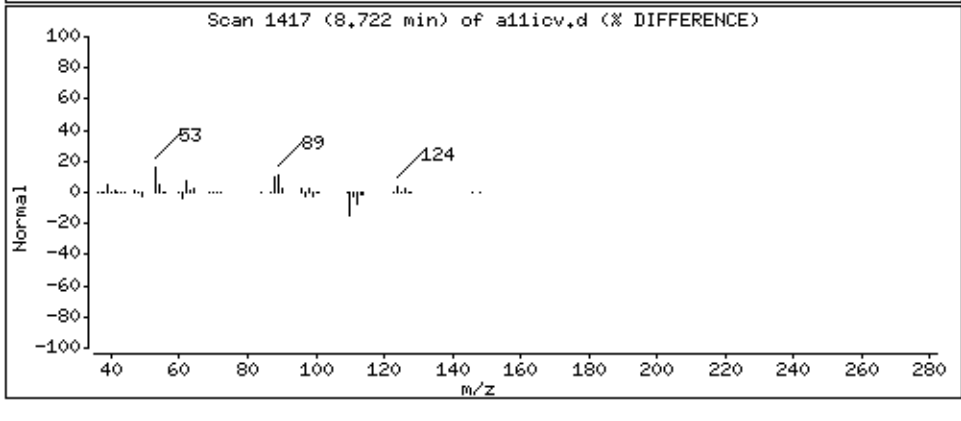












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

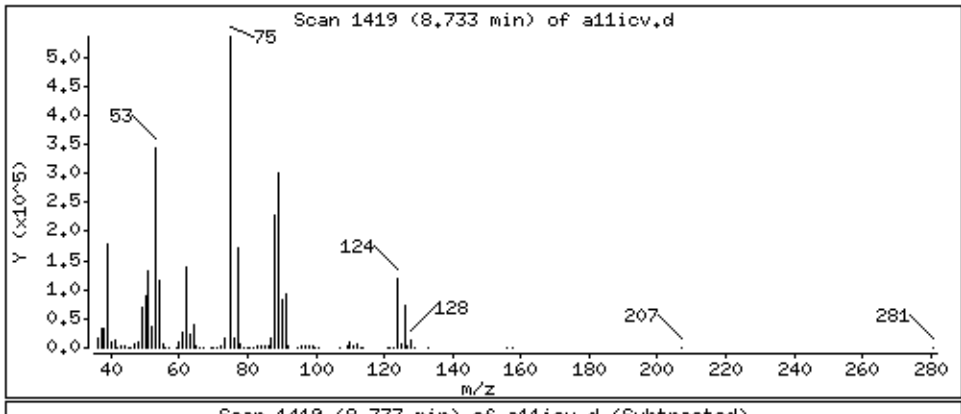
Operator: rsw

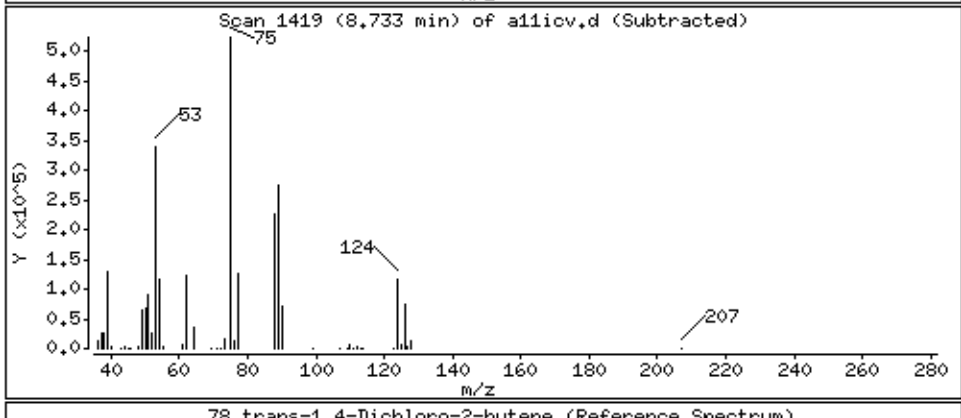
Column phase: DB-624

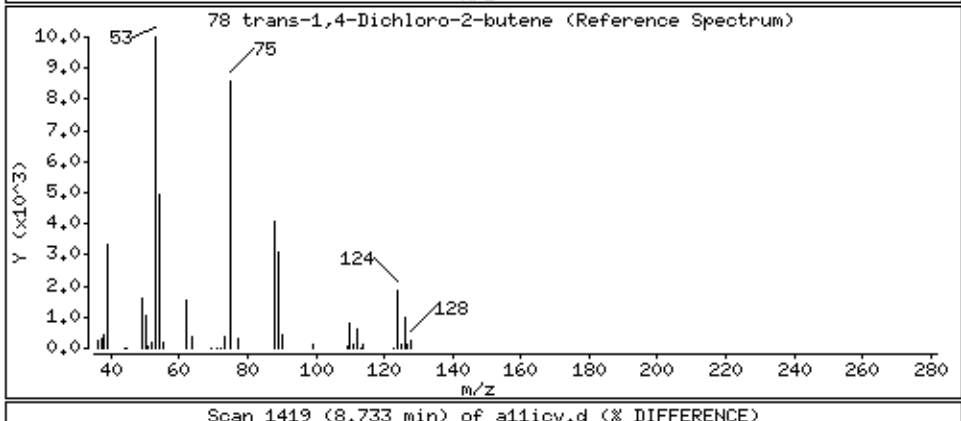
Column diameter: 0.18

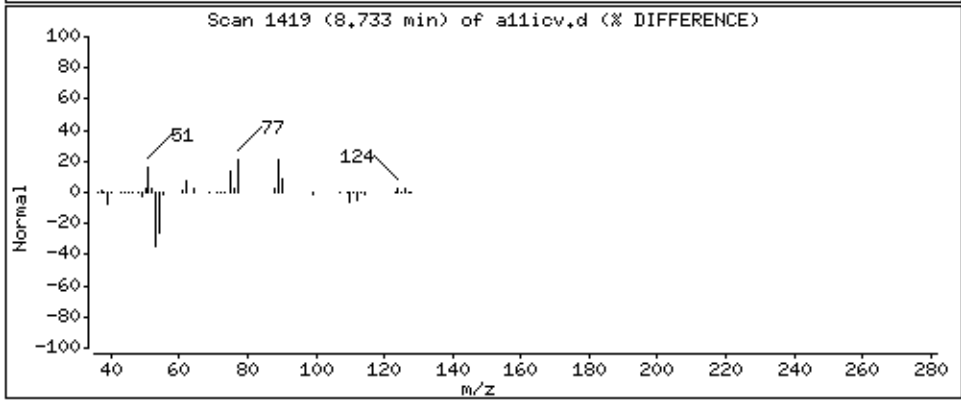
78 trans-1,4-Dichloro-2-butene

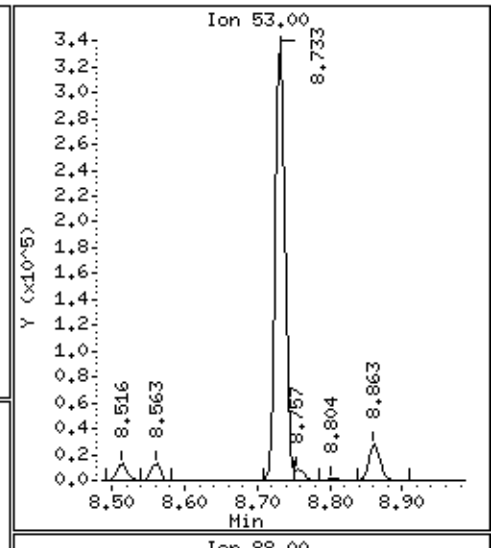
Concentration: 219 ppb

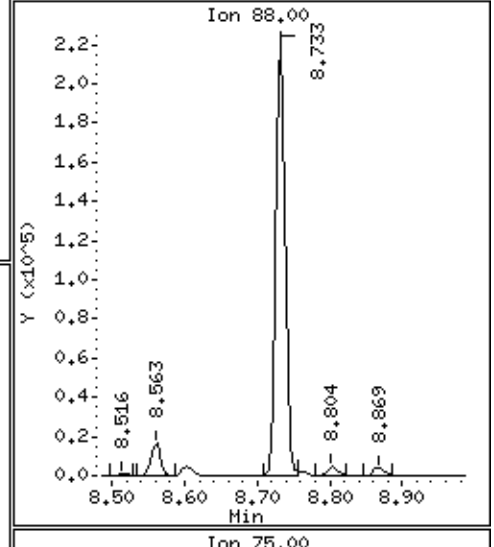


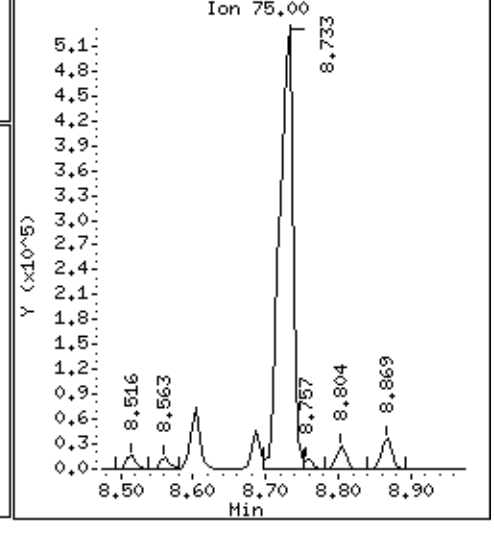












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

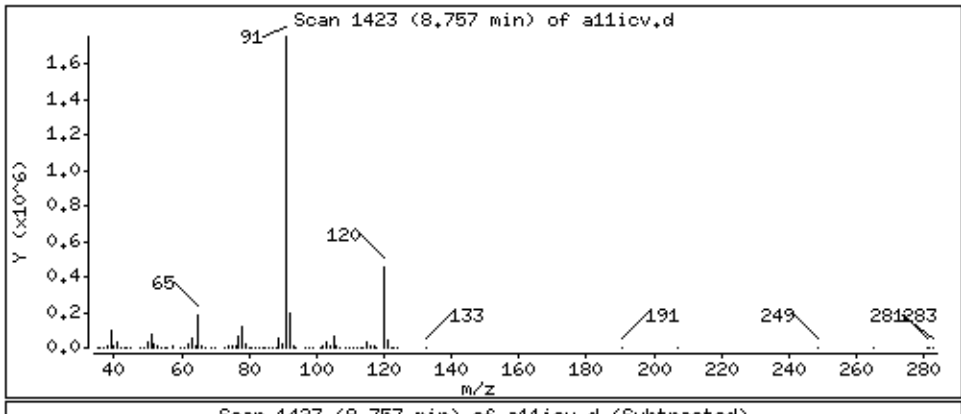
Operator: rsw

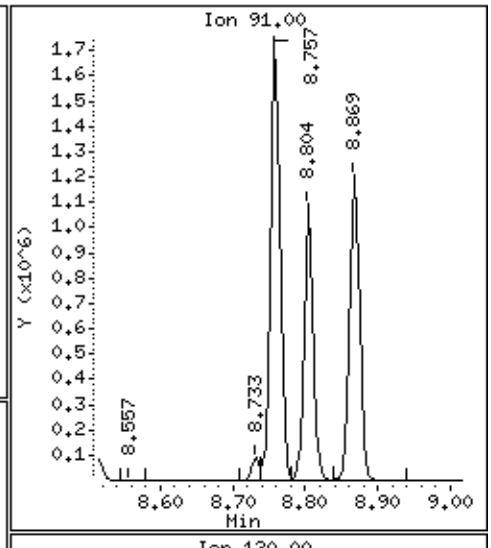
Column phase: DB-624

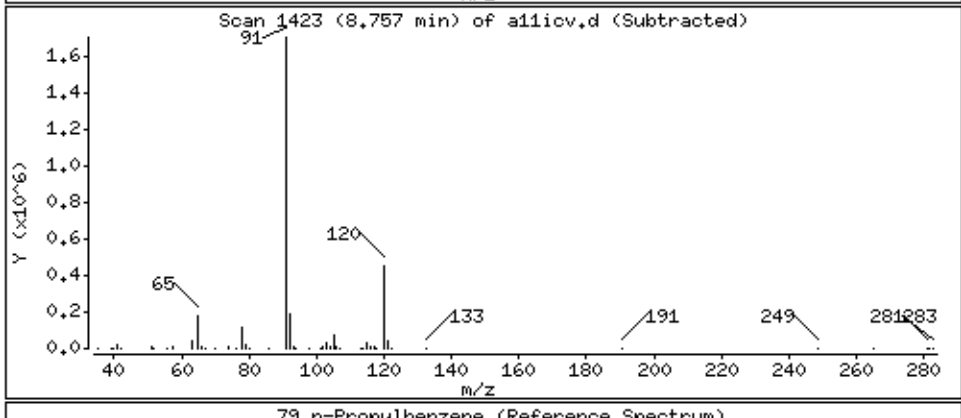
Column diameter: 0.18

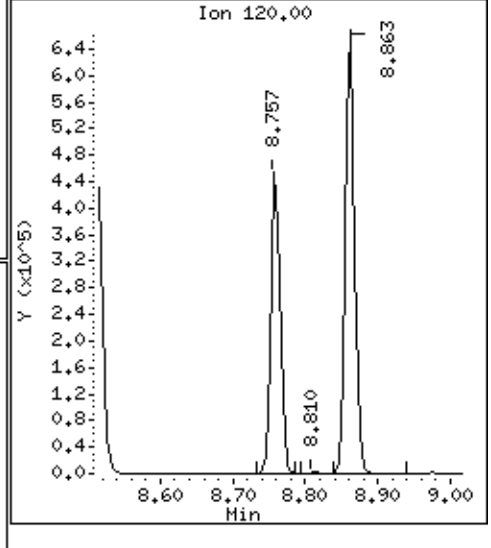
79 n-Propylbenzene

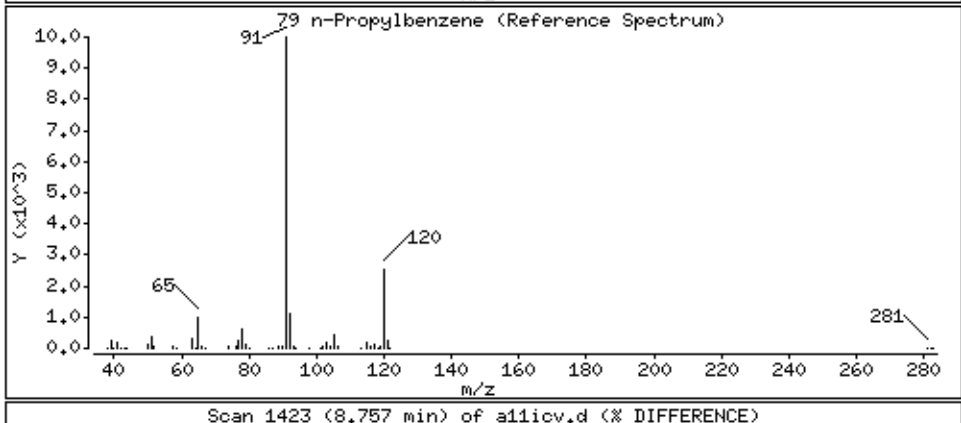
Concentration: 56.8 ppb

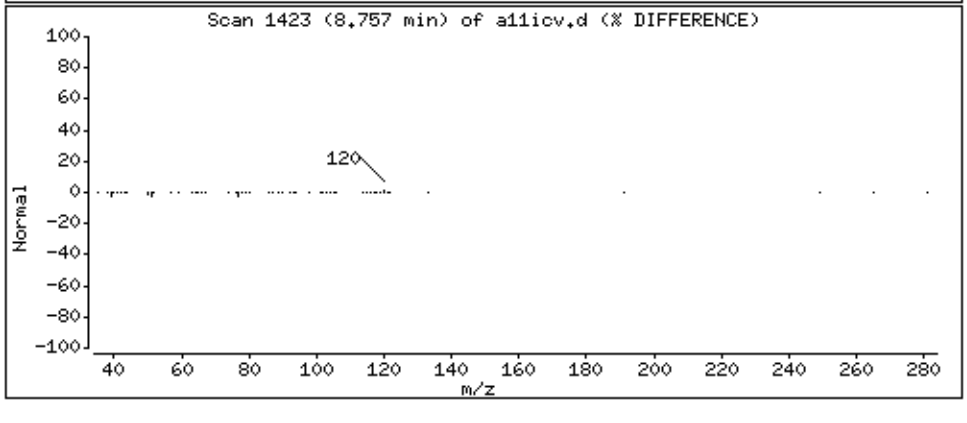












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

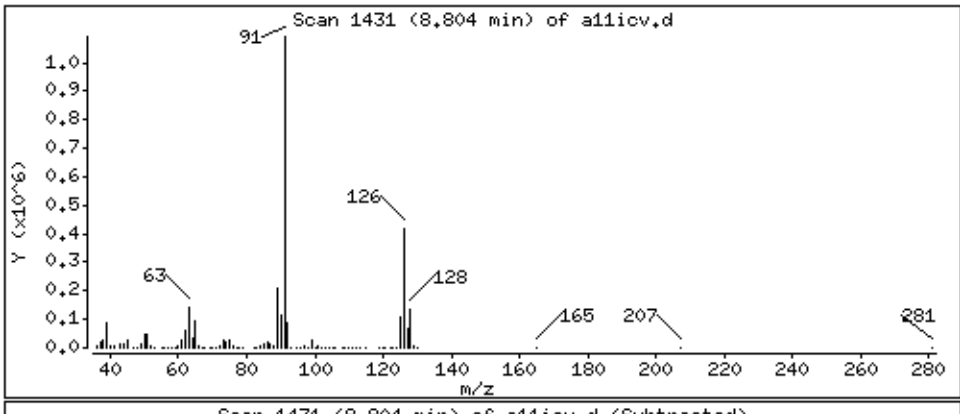
Operator: rsw

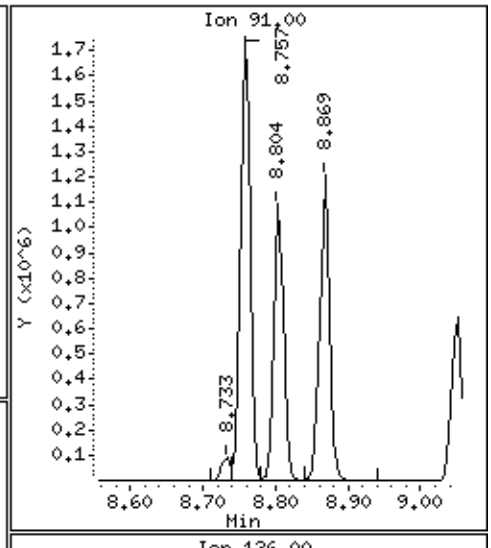
Column phase: DB-624

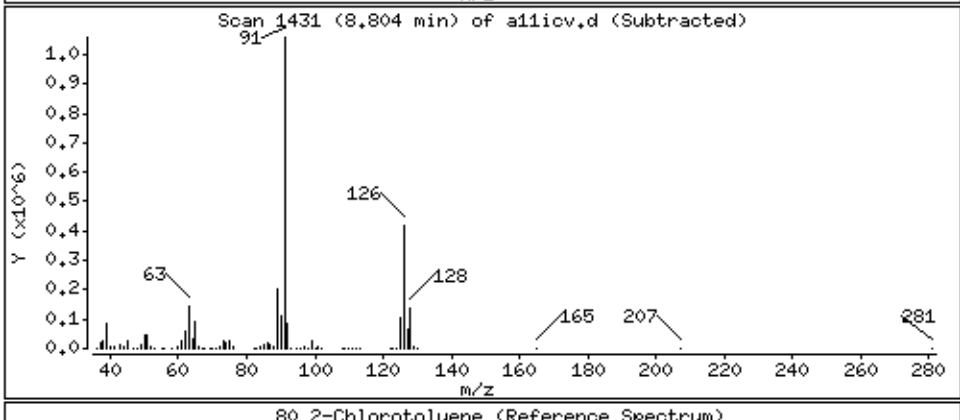
Column diameter: 0.18

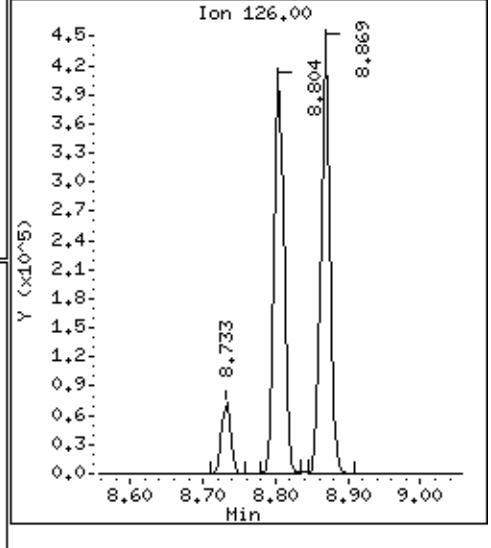
80 2-Chlorotoluene

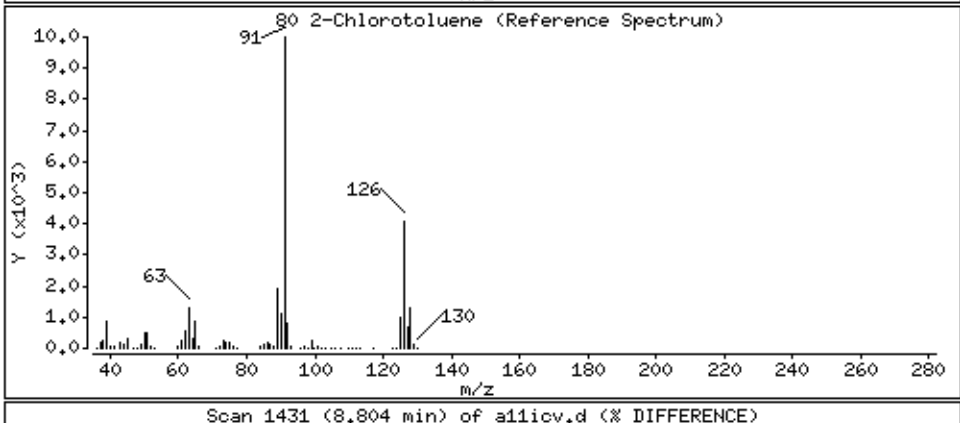
Concentration: 55.4 ppb

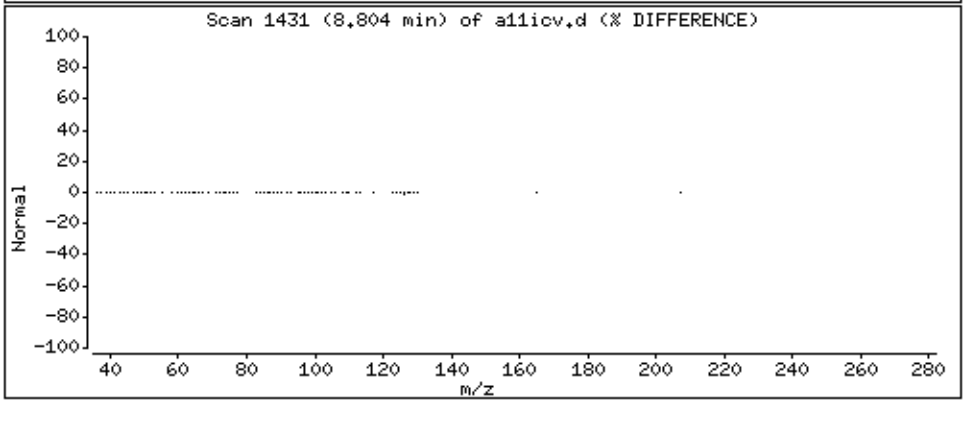












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

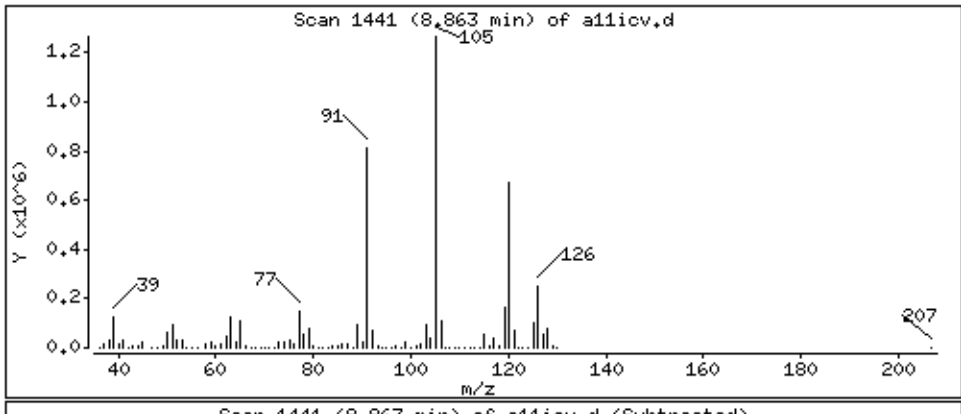
Operator: rsw

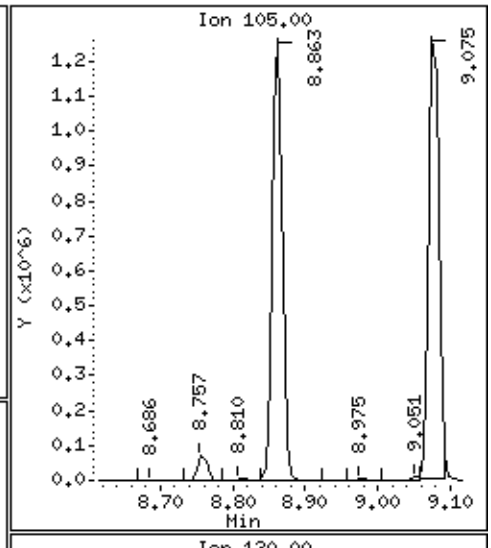
Column phase: DB-624

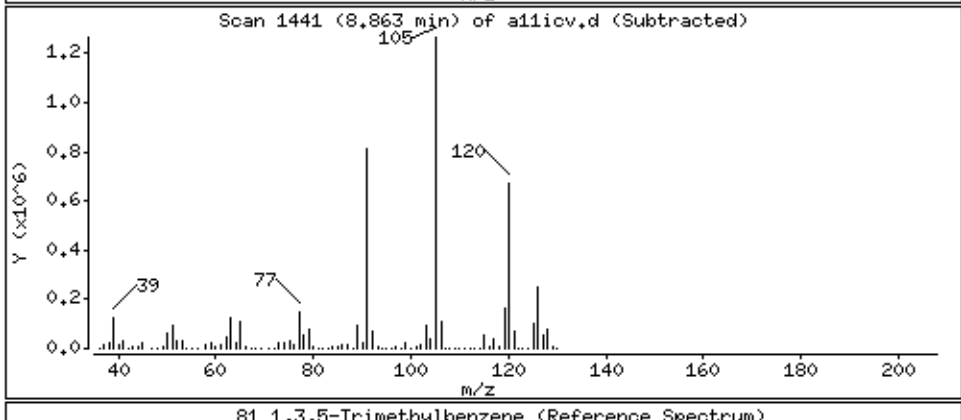
Column diameter: 0.18

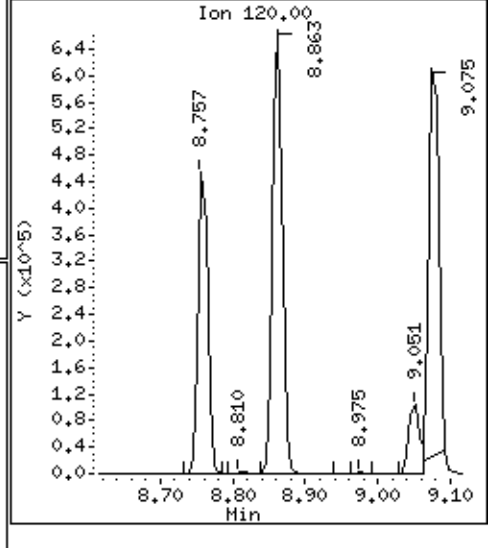
81 1,3,5-Trimethylbenzene

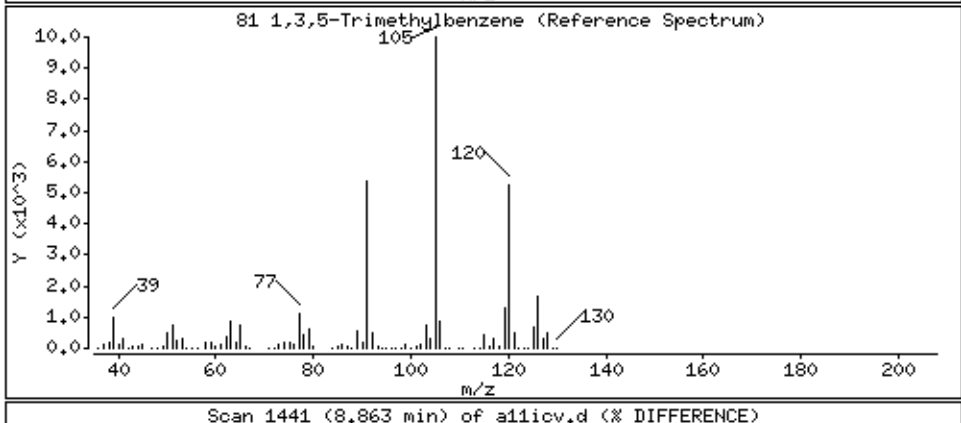
Concentration: 55.9 ppb

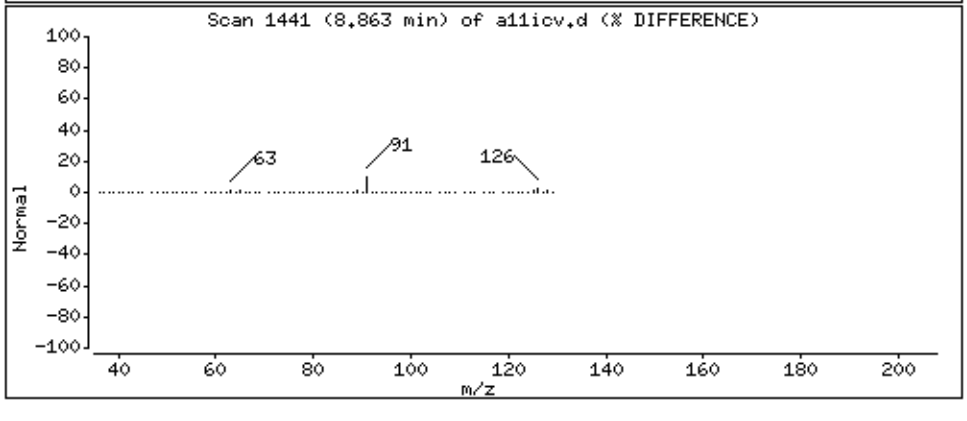












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

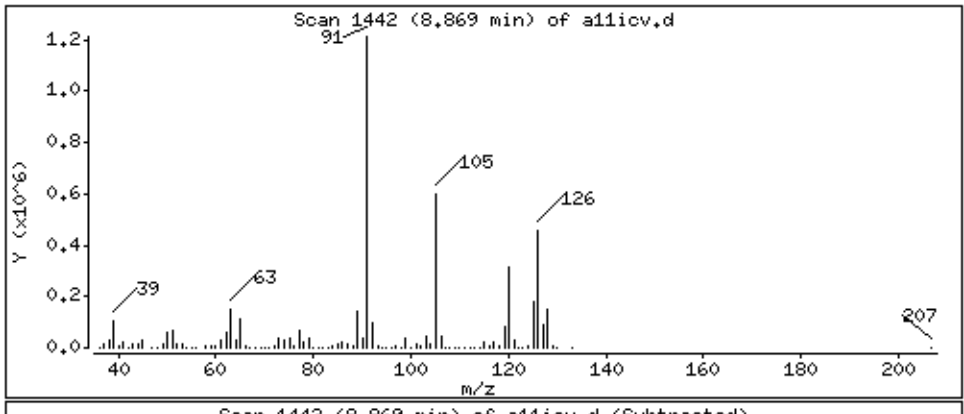
Operator: rsw

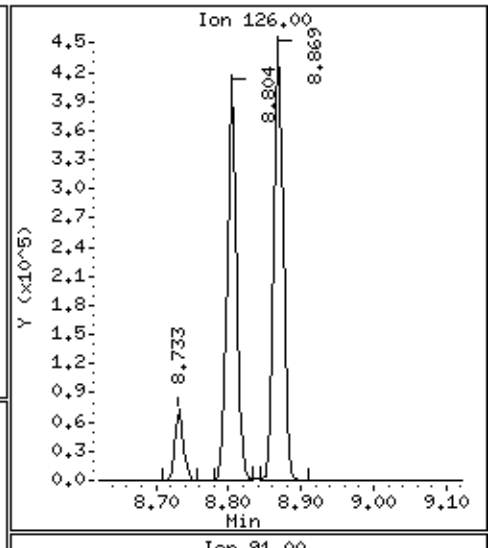
Column phase: DB-624

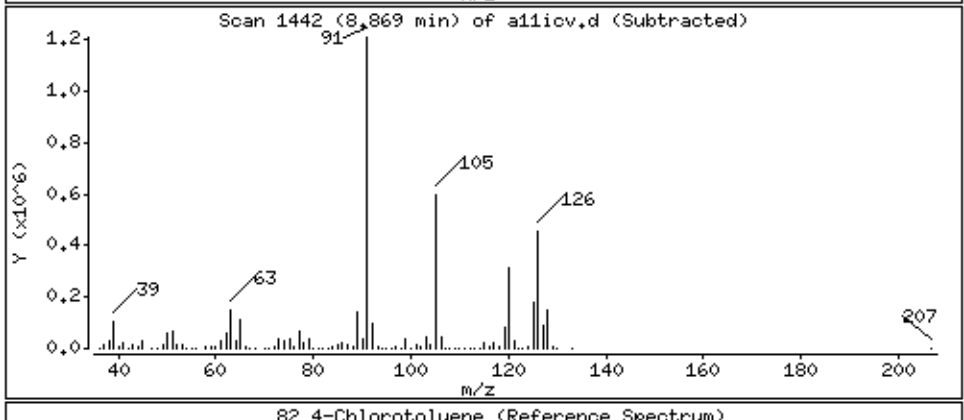
Column diameter: 0.18

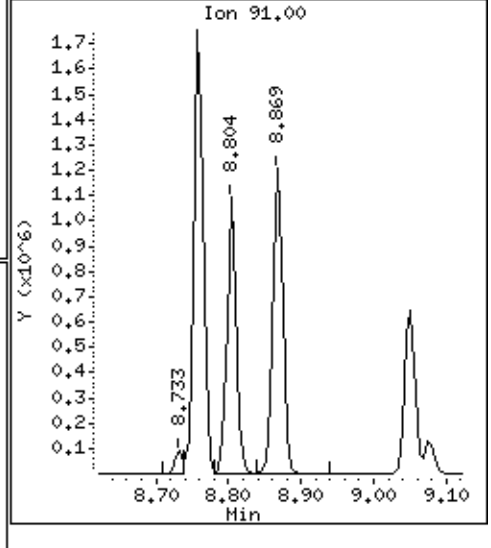
82 4-Chlorotoluene

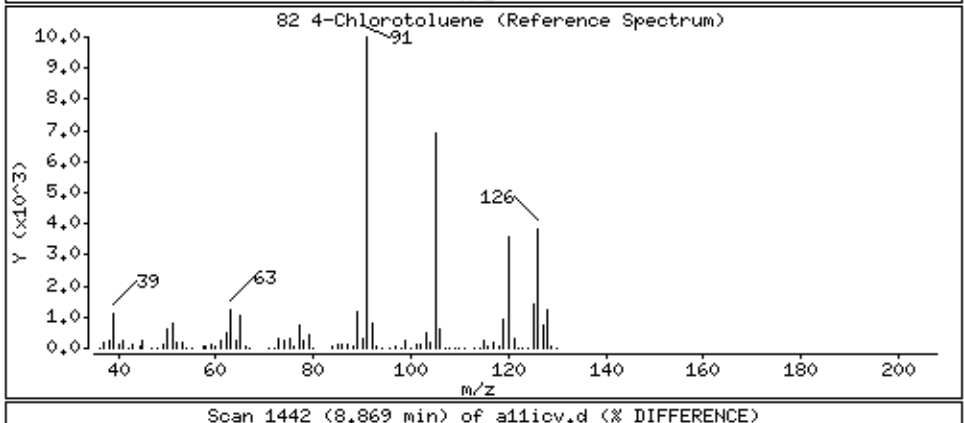
Concentration: 58.1 ppb

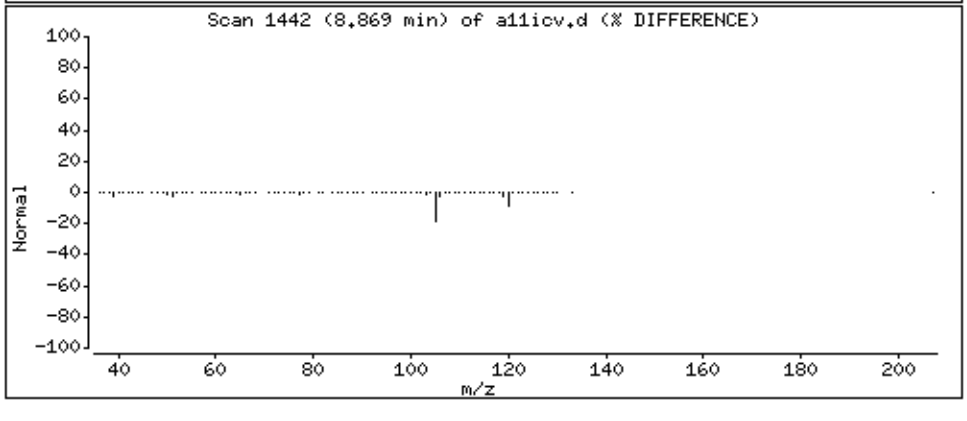












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

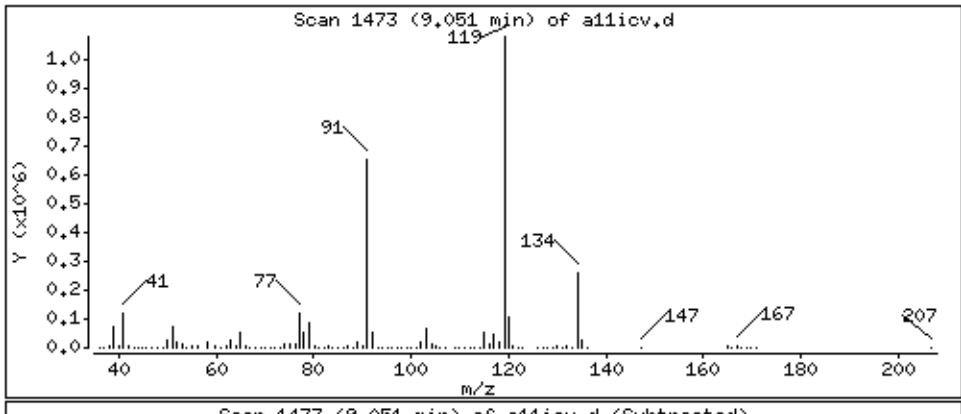
Operator: rsw

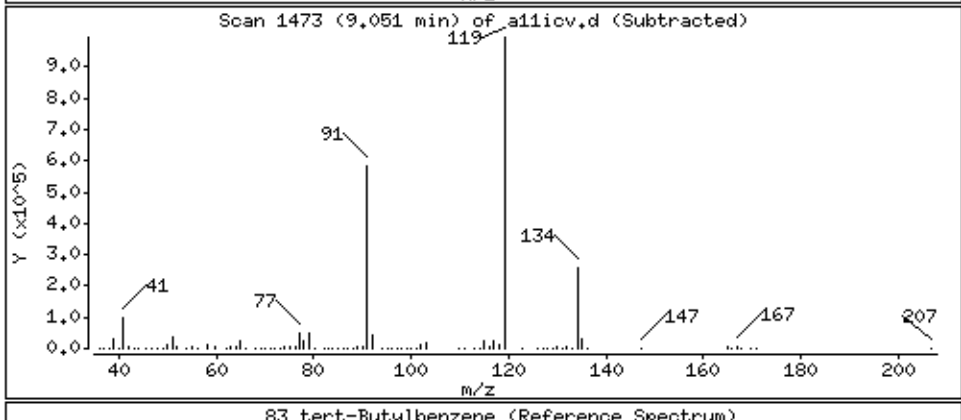
Column phase: DB-624

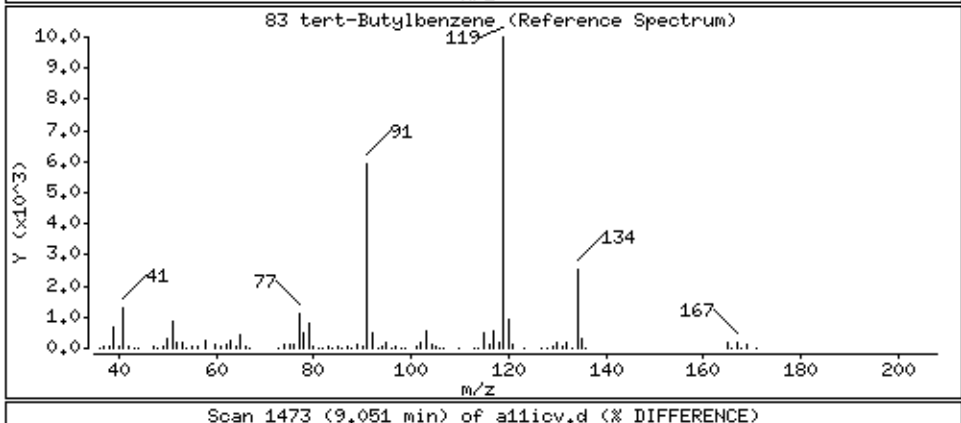
Column diameter: 0.18

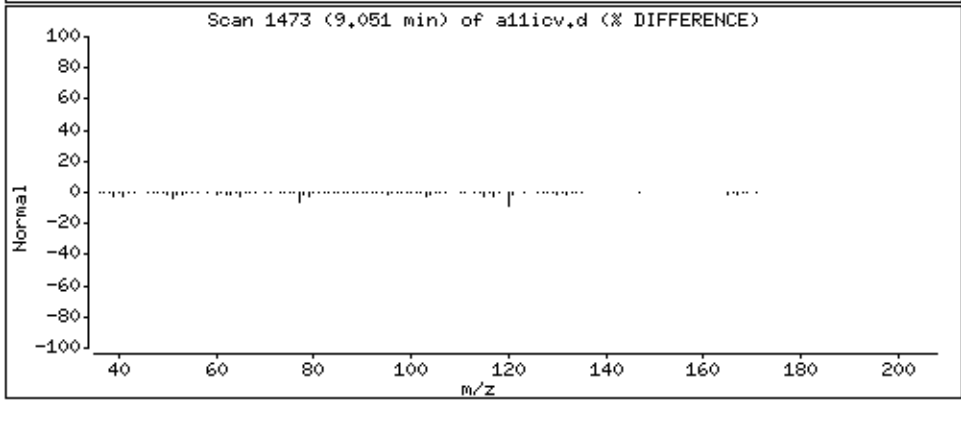
83 tert-Butylbenzene

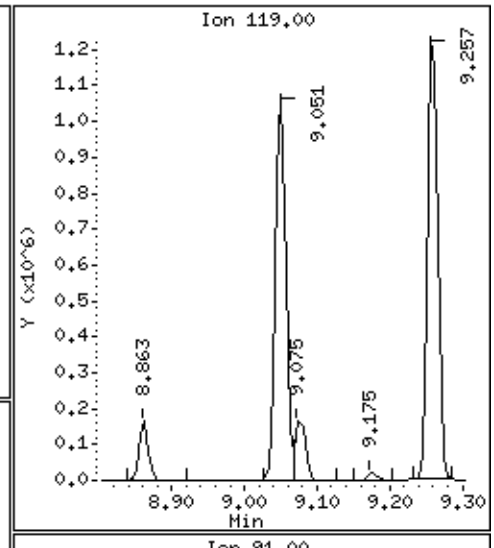
Concentration: 47.5 ppb

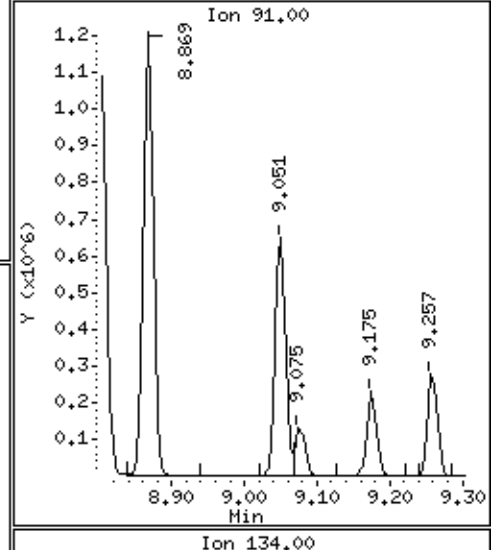


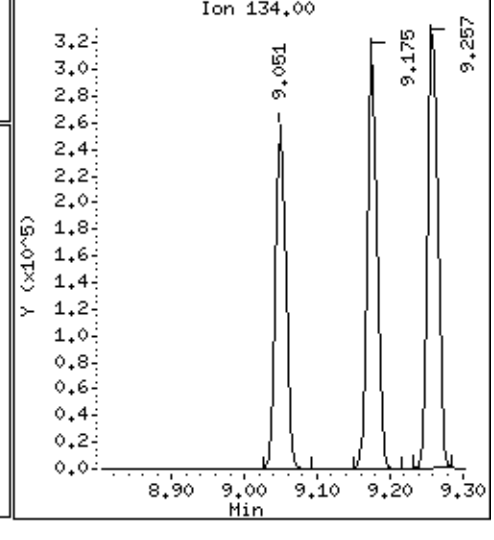












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

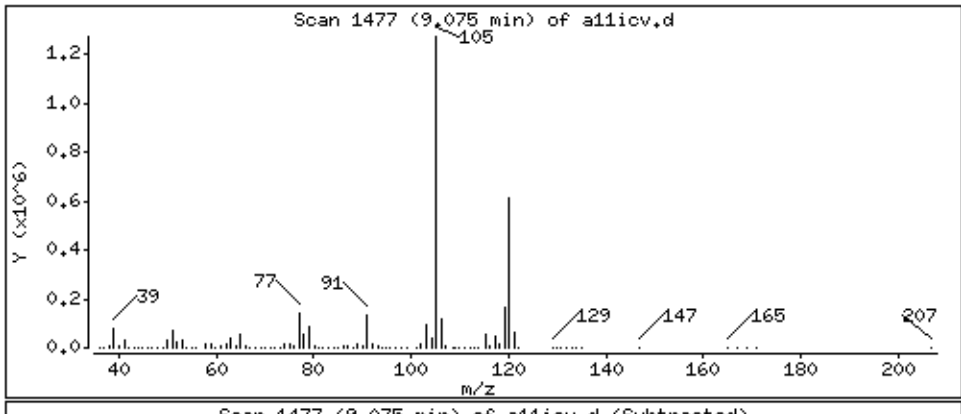
Operator: rsw

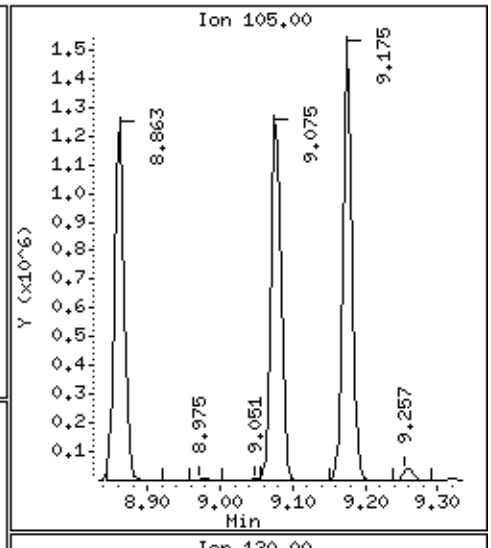
Column phase: DB-624

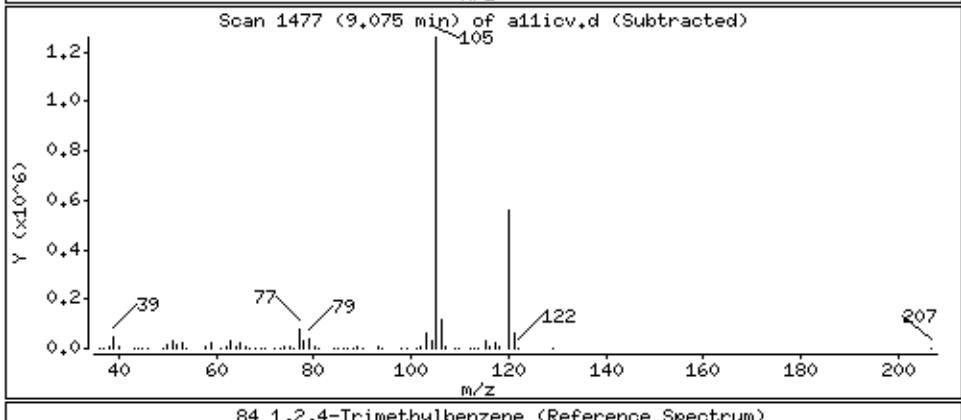
Column diameter: 0.18

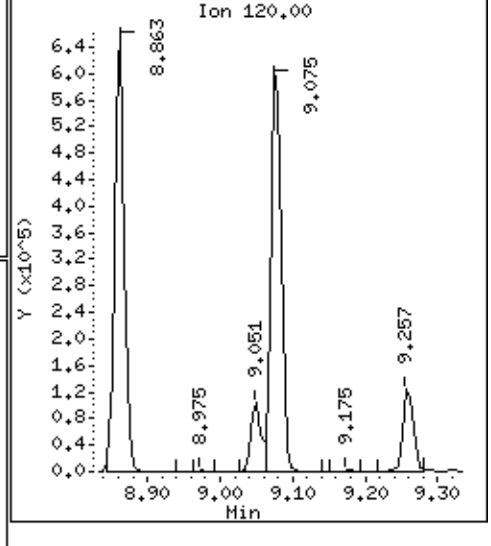
84 1,2,4-Trimethylbenzene

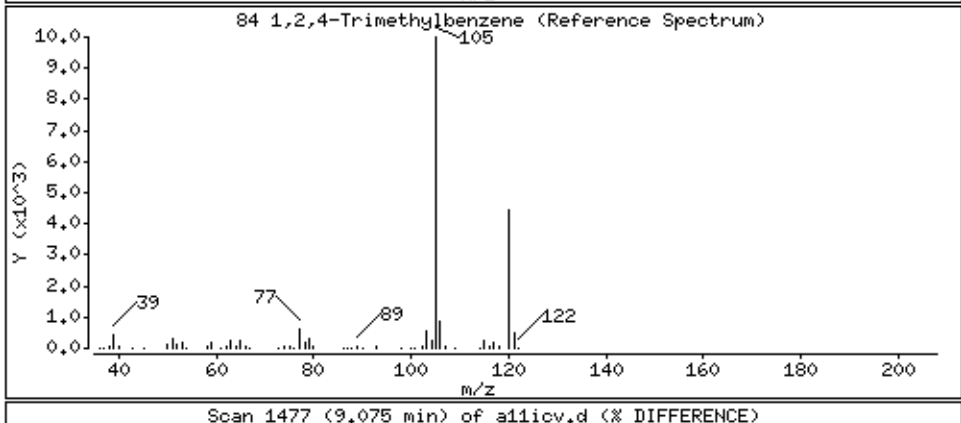
Concentration: 56.3 ppb

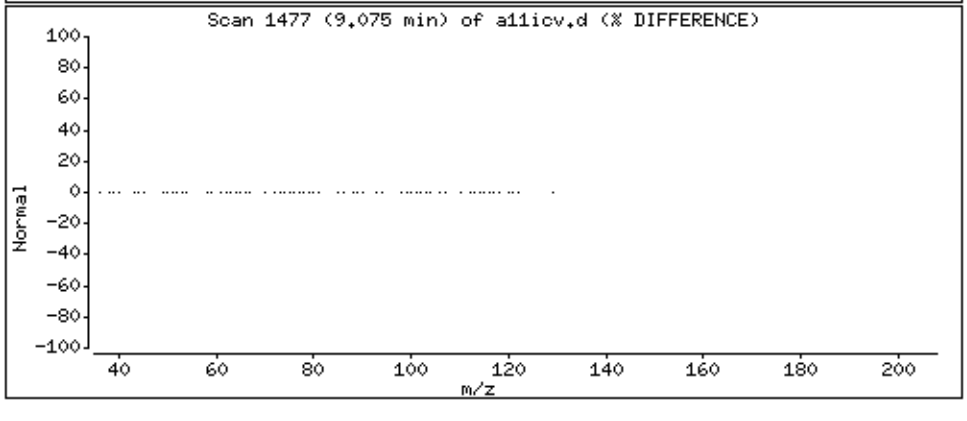












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Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

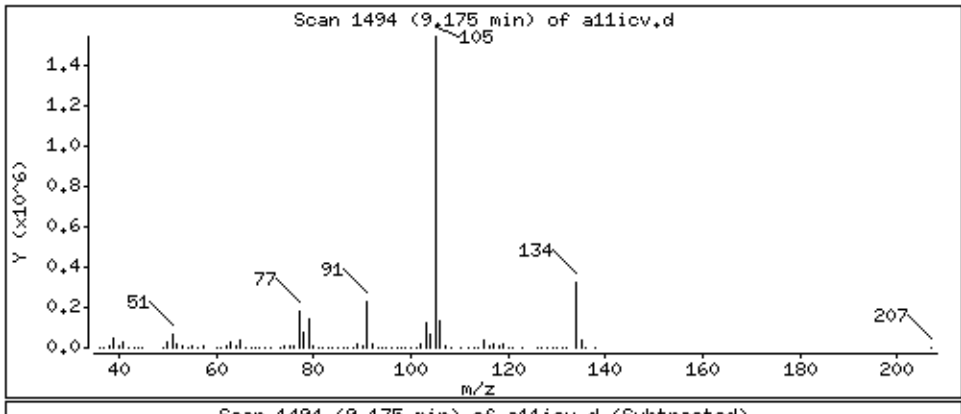
Operator: rsw

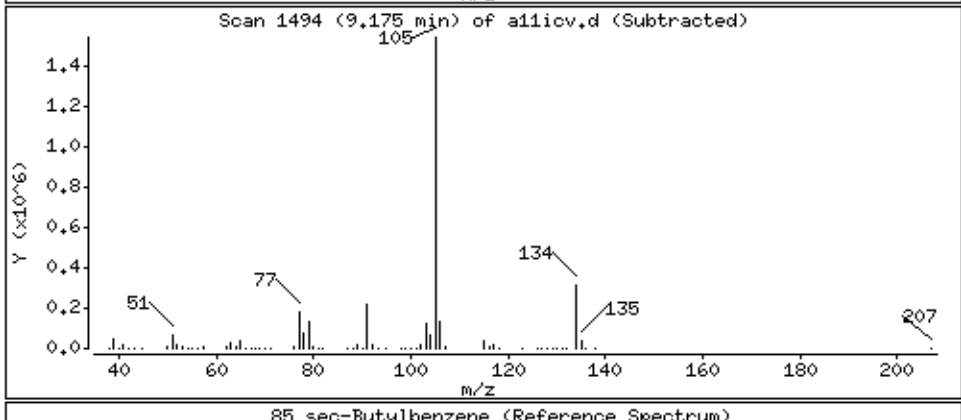
Column phase: DB-624

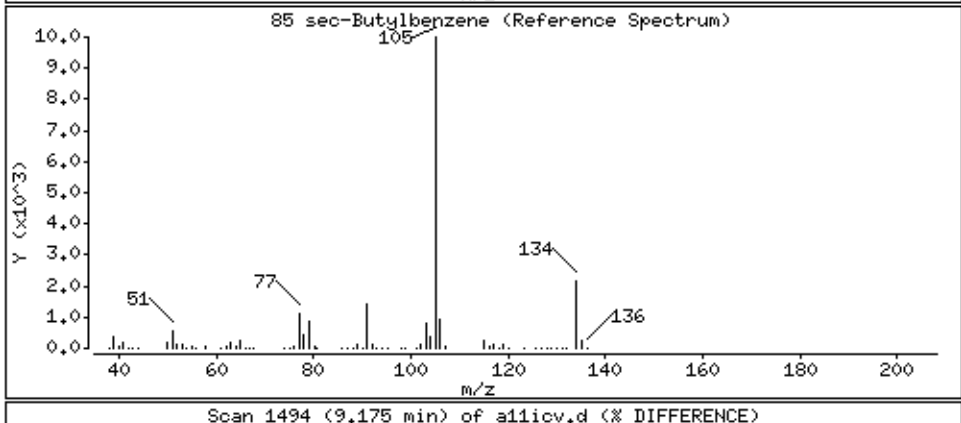
Column diameter: 0.18

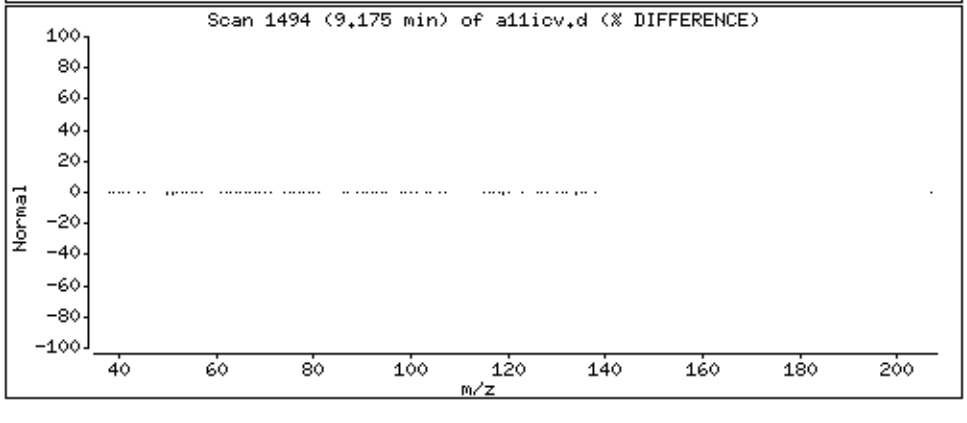
85 sec-Butylbenzene

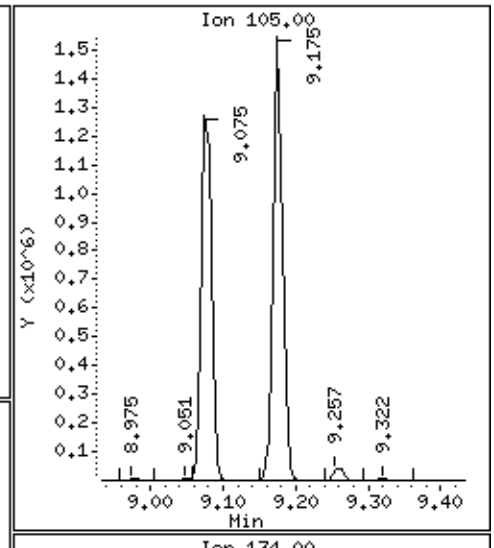
Concentration: 56.6 ppb

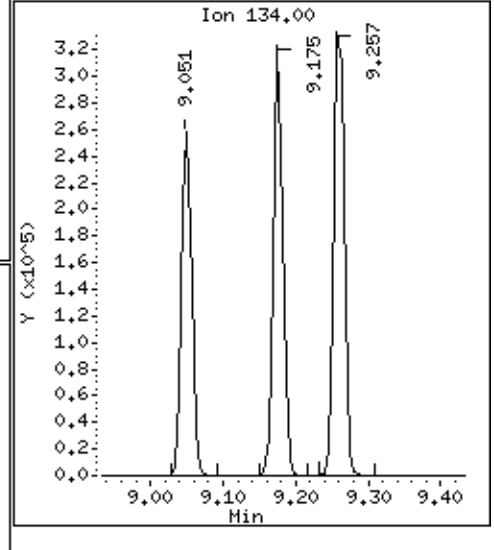












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

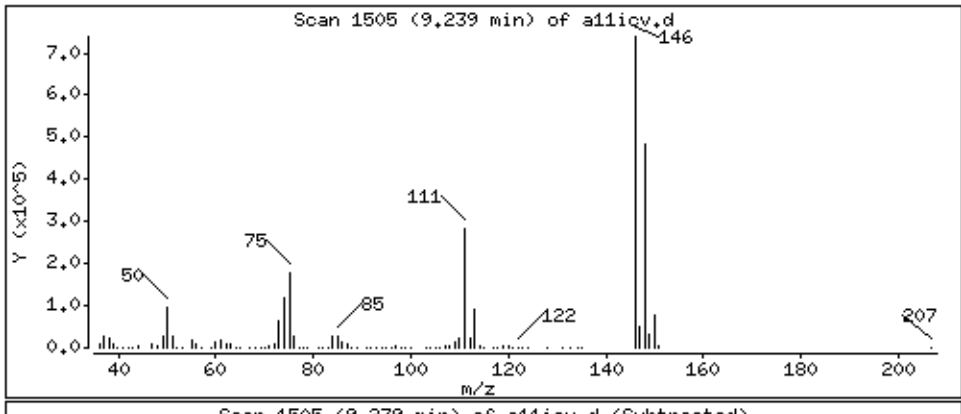
Operator: rsw

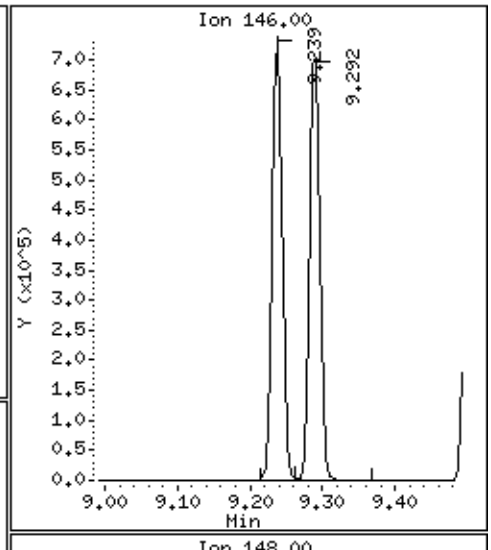
Column phase: DB-624

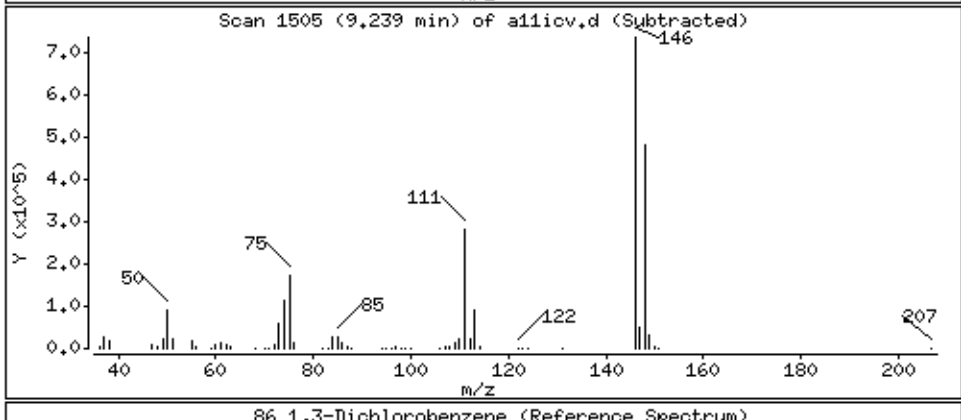
Column diameter: 0.18

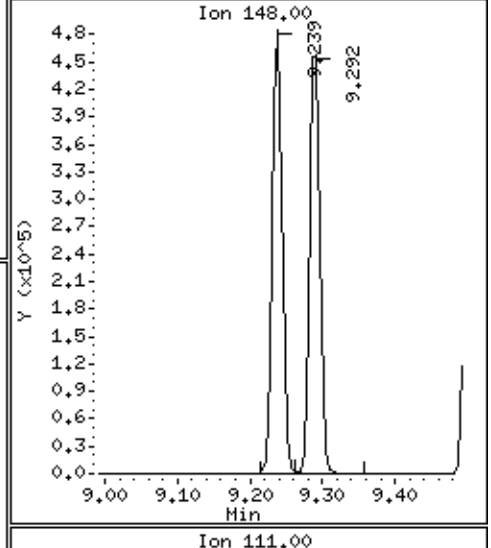
86 1,3-Dichlorobenzene

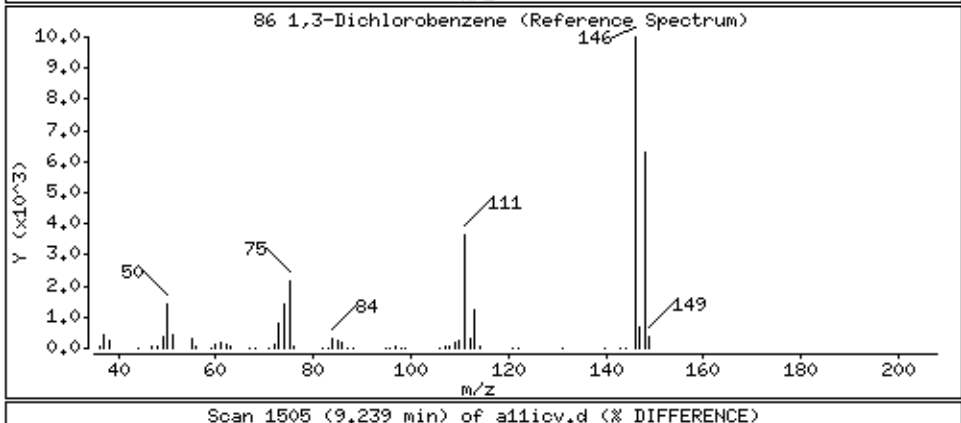
Concentration: 57.6 ppb

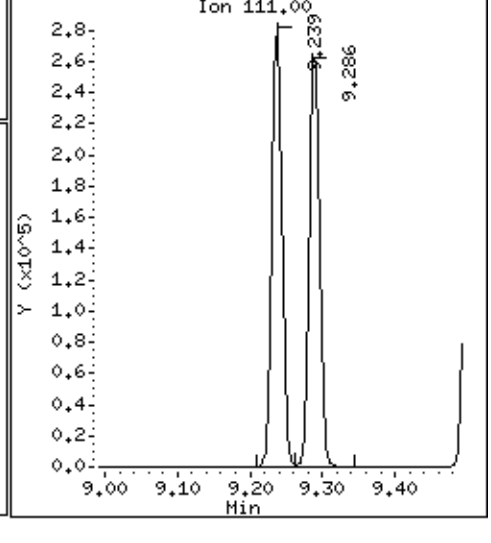


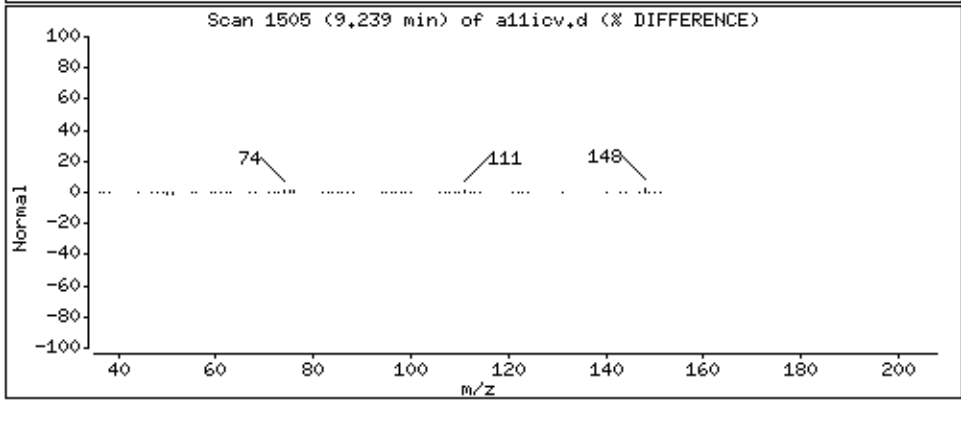












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

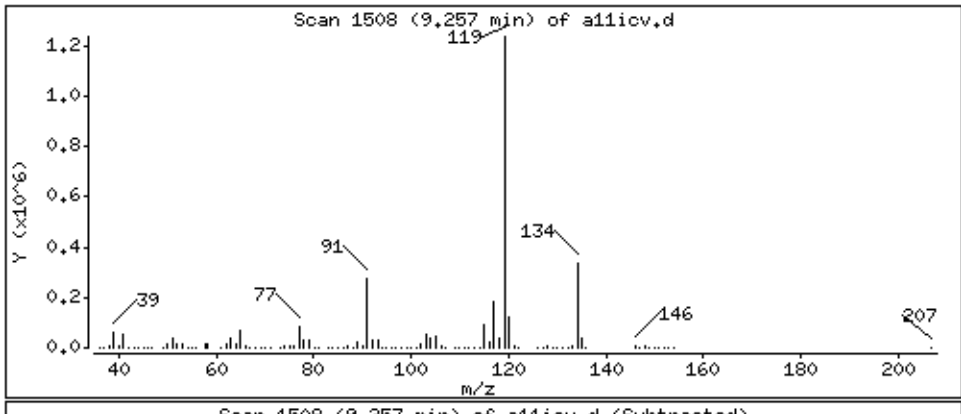
Operator: rsw

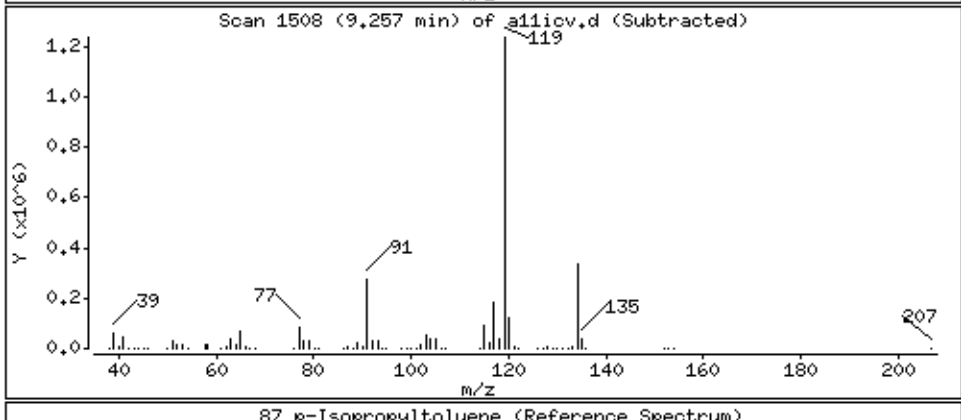
Column phase: DB-624

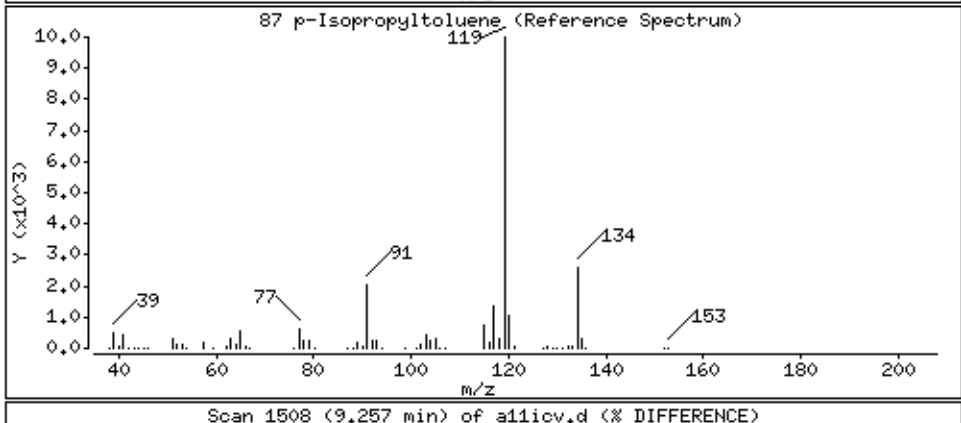
Column diameter: 0.18

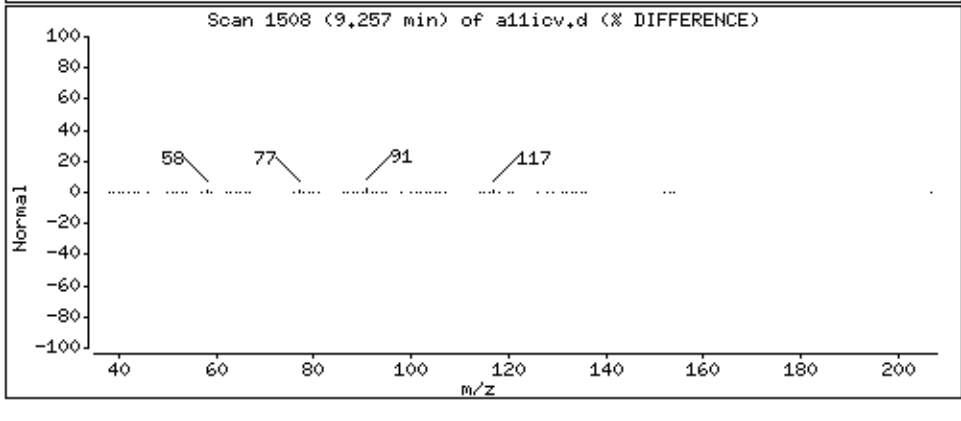
87 p-Isopropyltoluene

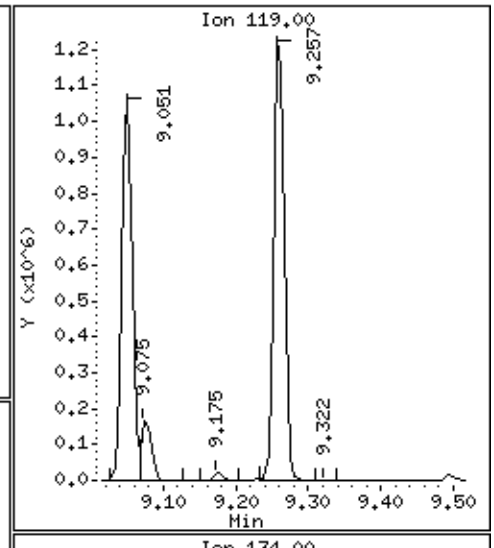
Concentration: 55.5 ppb

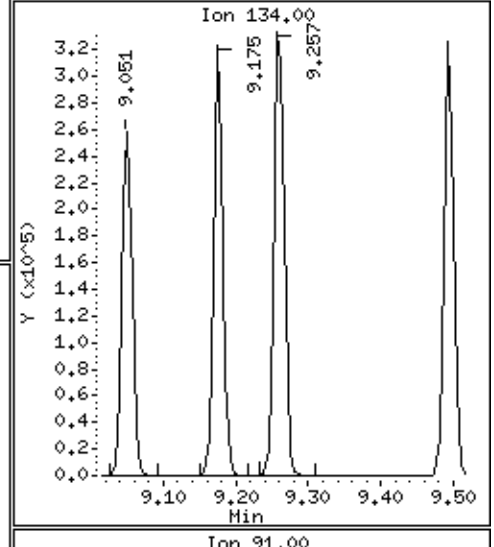


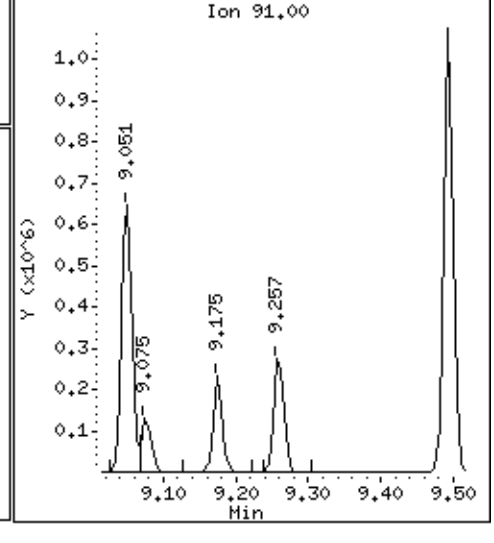












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

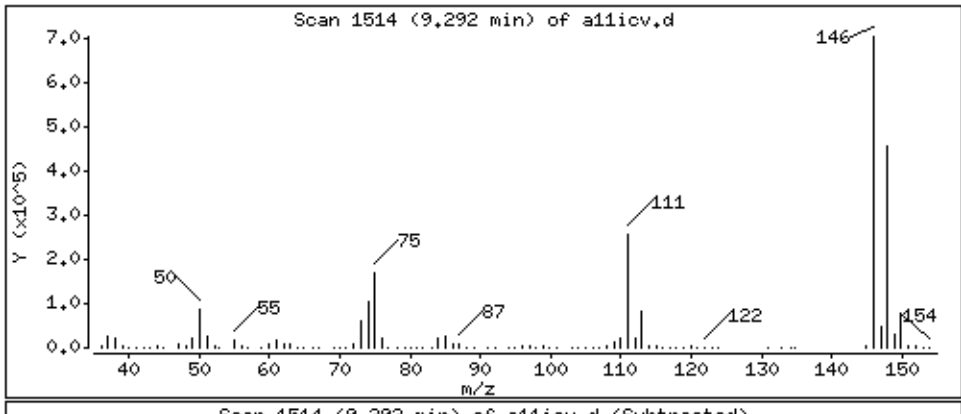
Operator: rsw

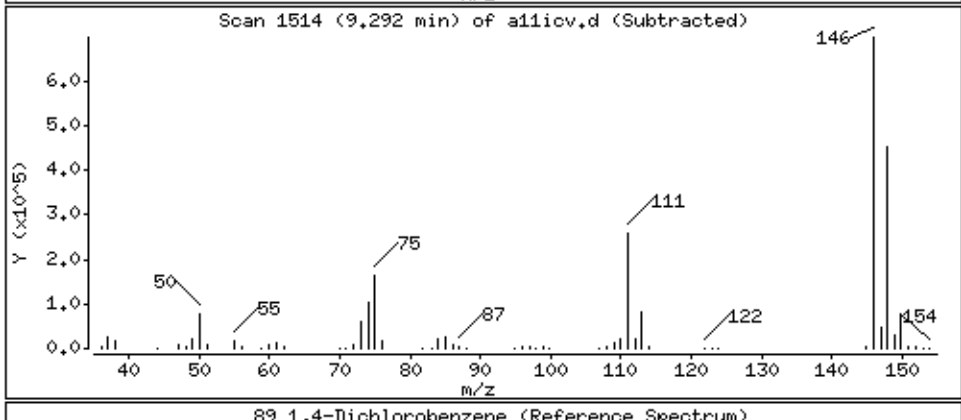
Column phase: DB-624

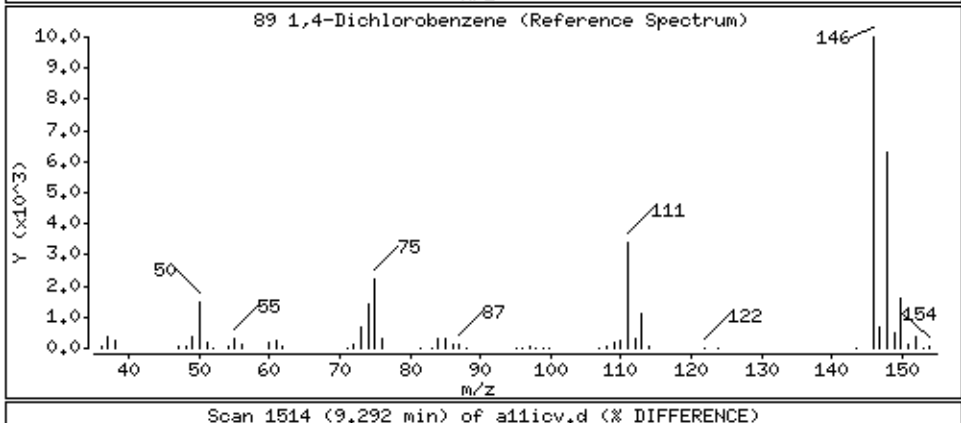
Column diameter: 0.18

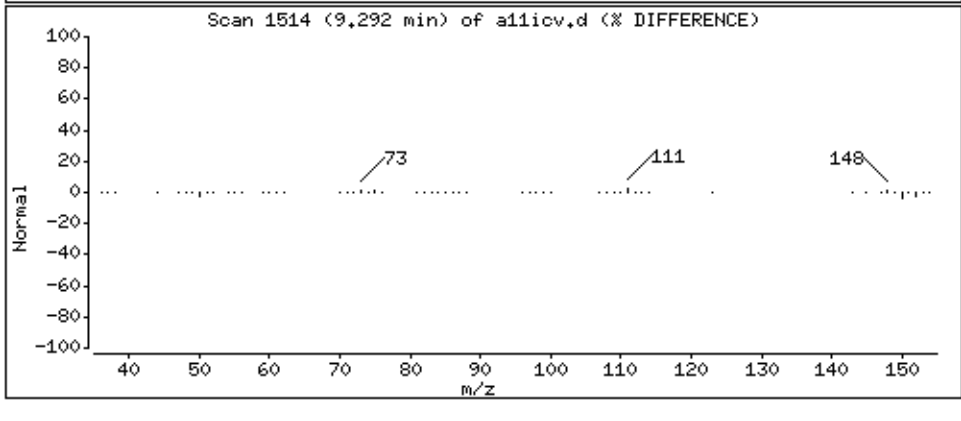
89 1,4-Dichlorobenzene

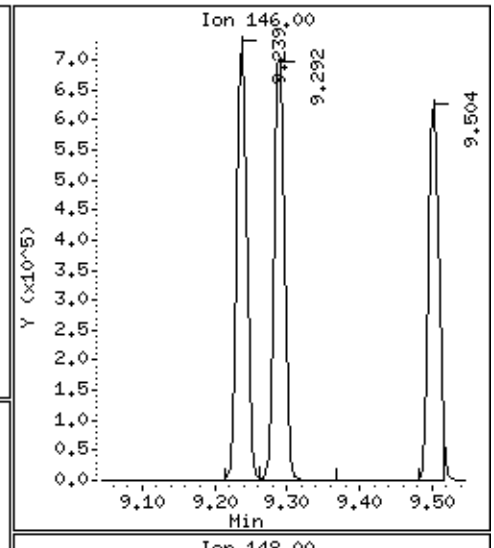
Concentration: 57.2 ppb

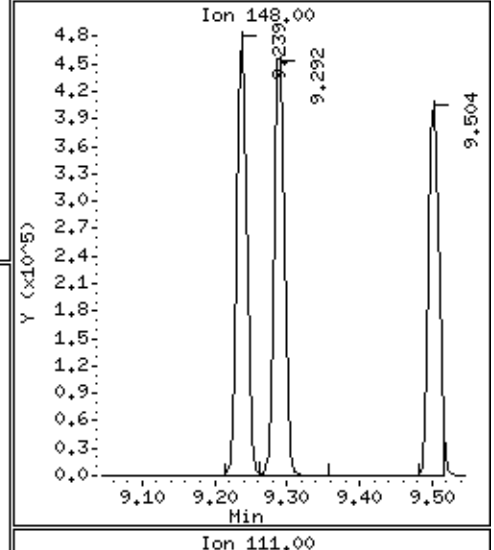


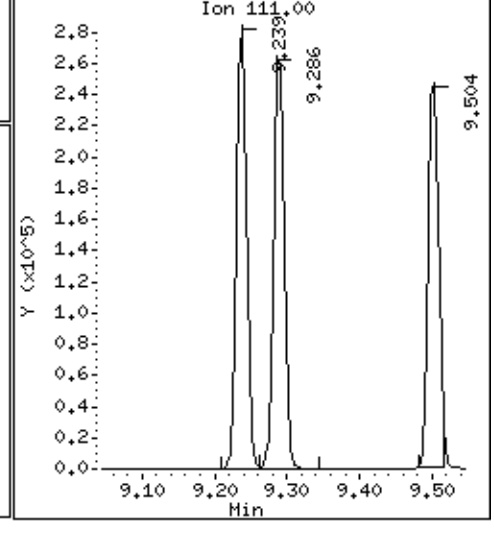












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

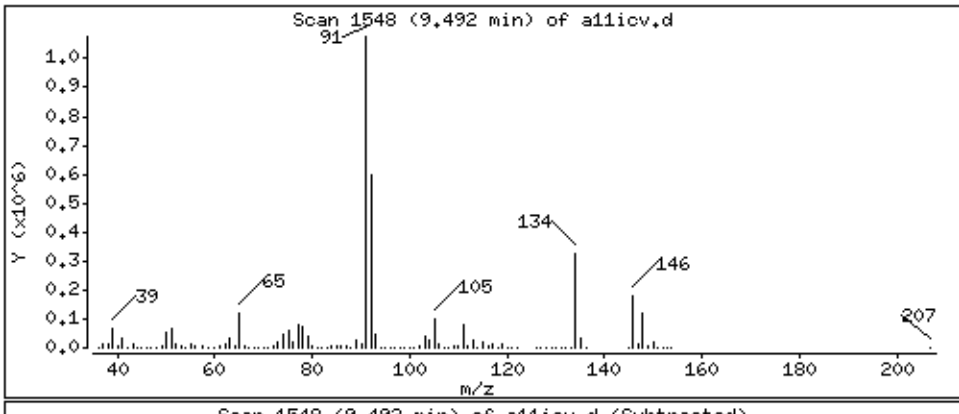
Operator: rsw

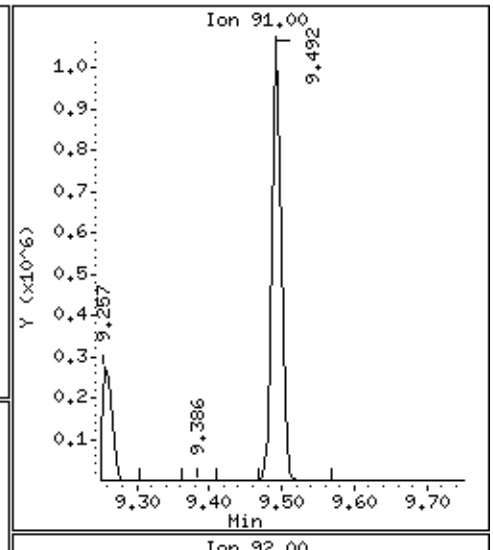
Column phase: DB-624

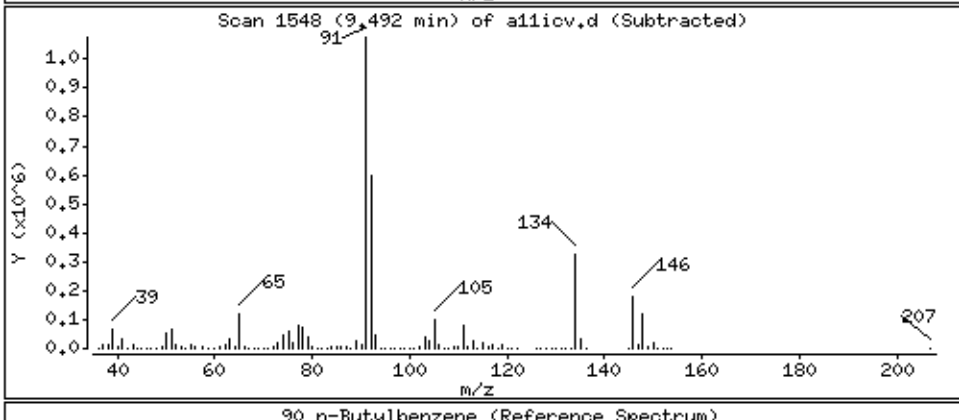
Column diameter: 0.18

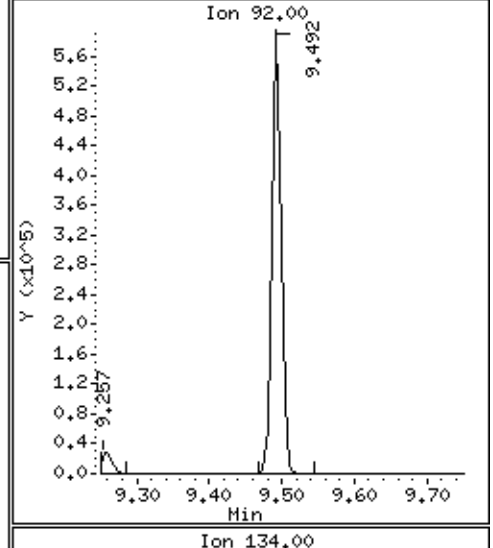
90 n-Butylbenzene

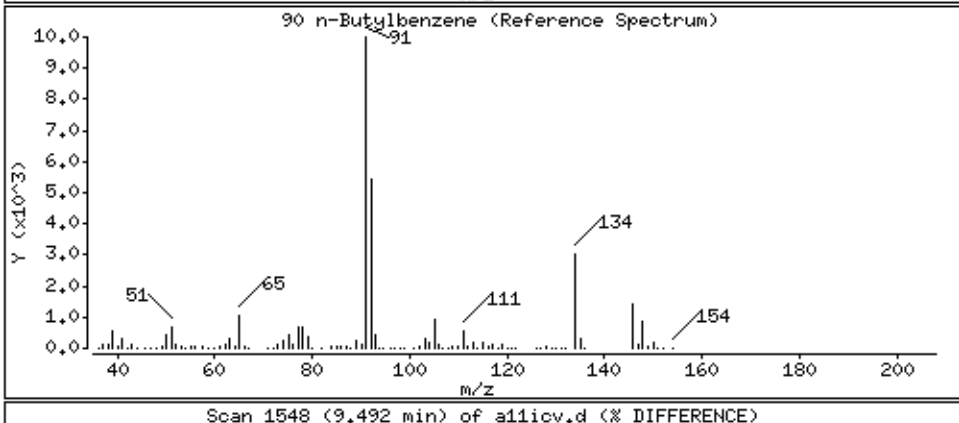
Concentration: 55.9 ppb

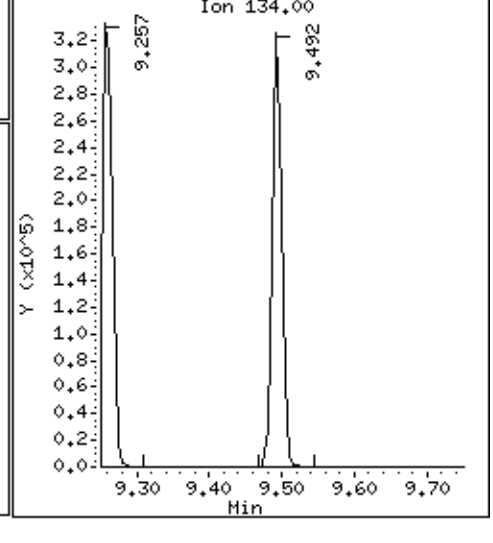


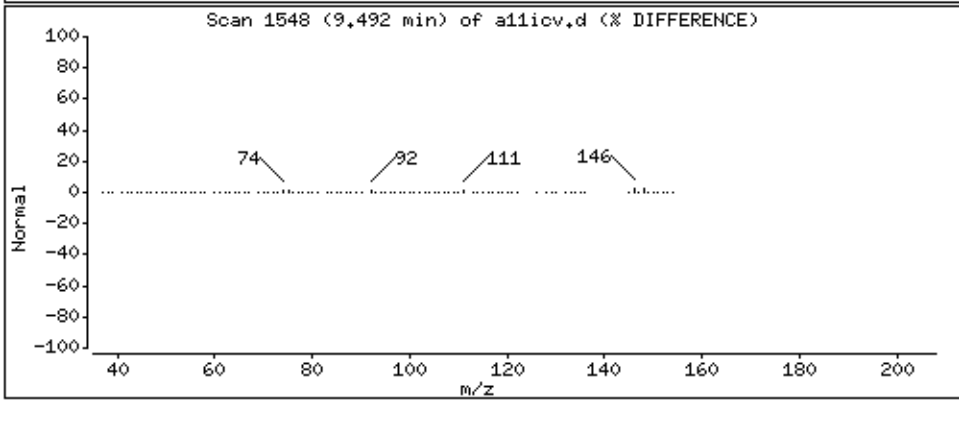












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

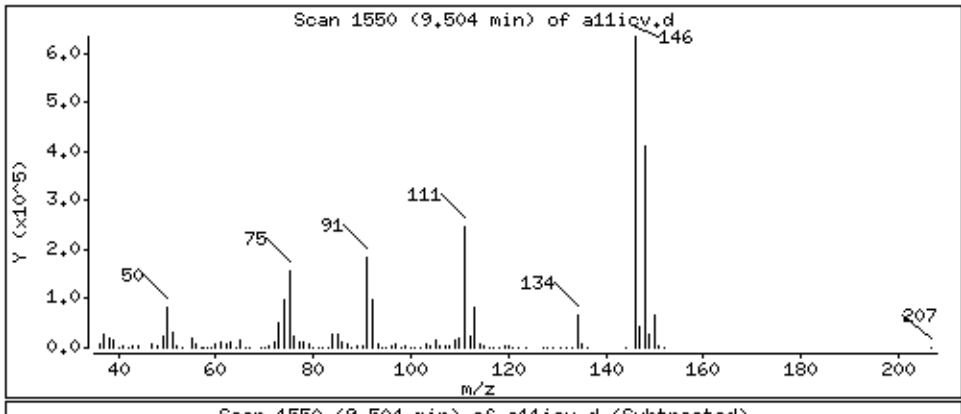
Operator: rsw

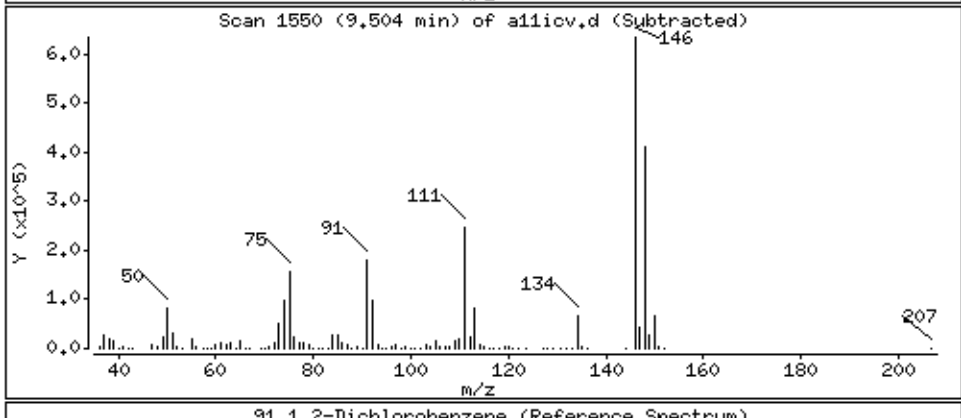
Column phase: DB-624

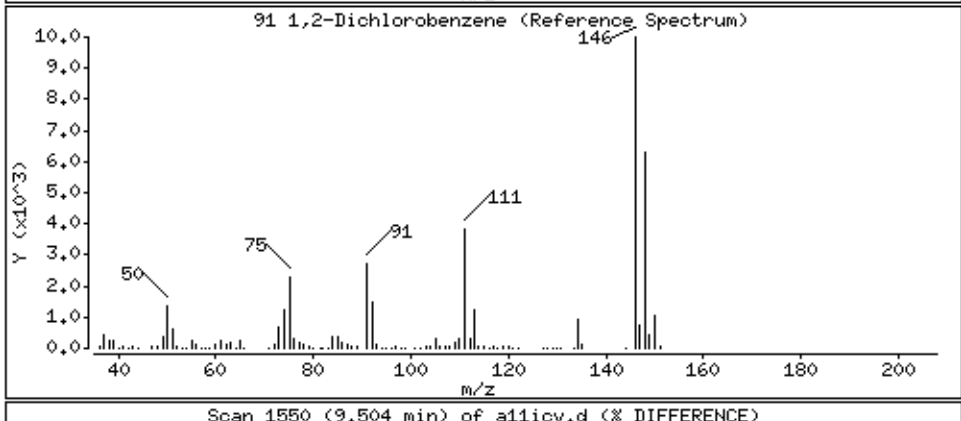
Column diameter: 0.18

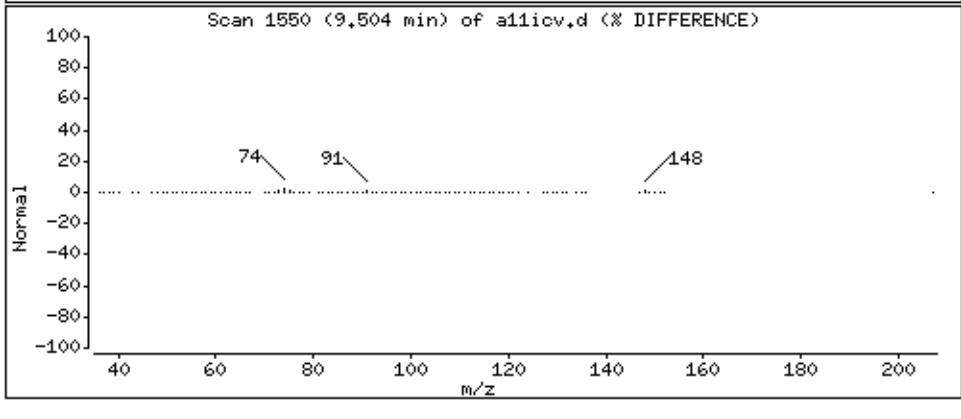
91 1,2-Dichlorobenzene

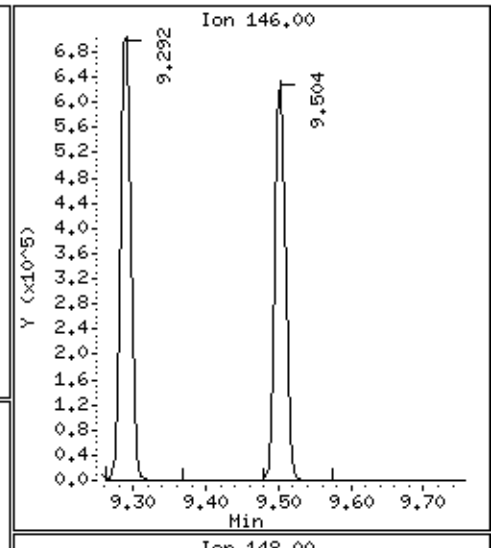
Concentration: 56.2 ppb

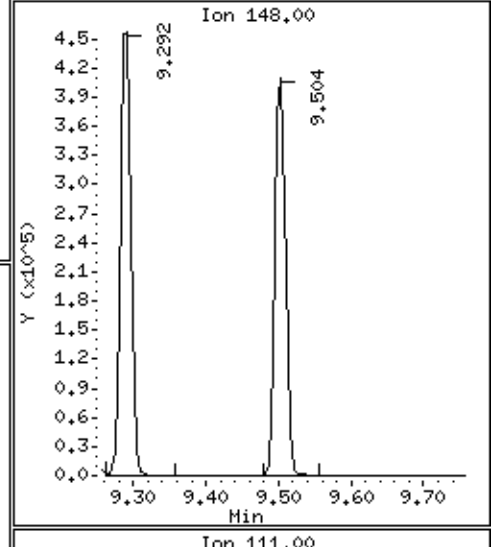


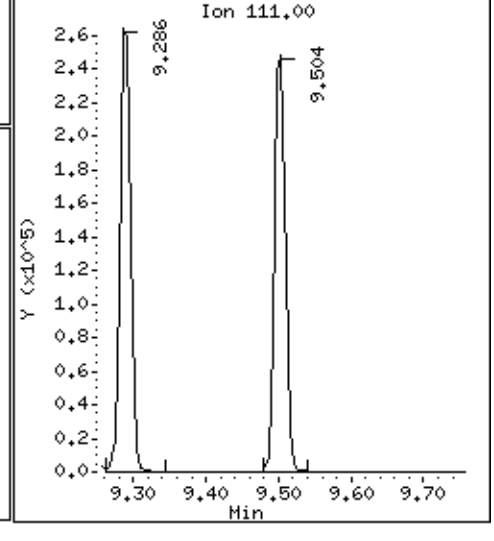












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

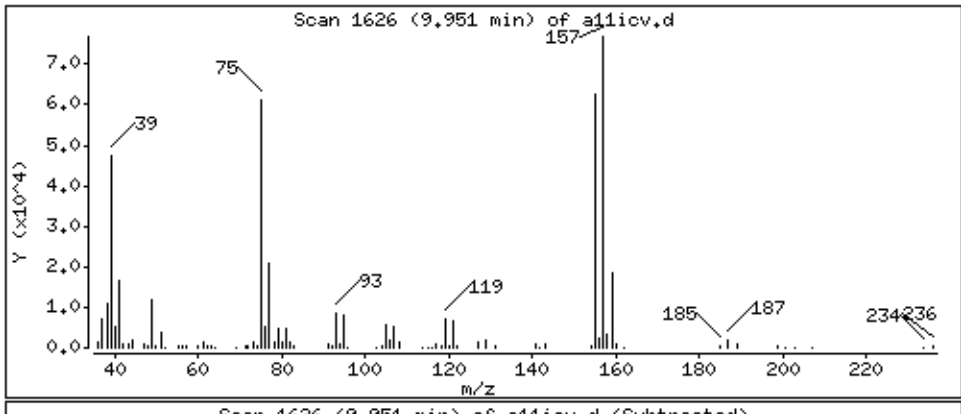
Operator: rsw

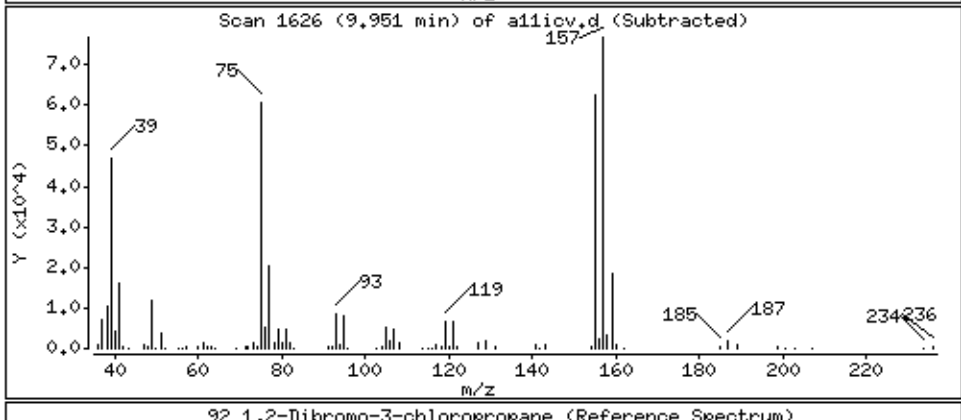
Column phase: DB-624

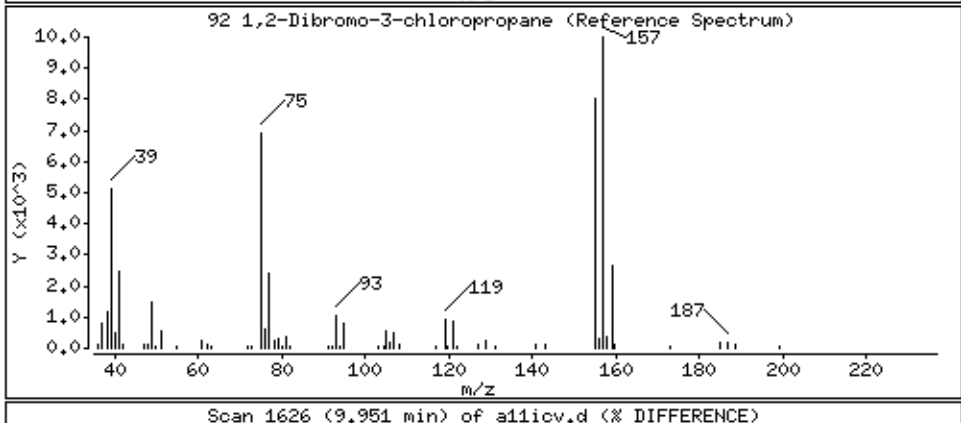
Column diameter: 0.18

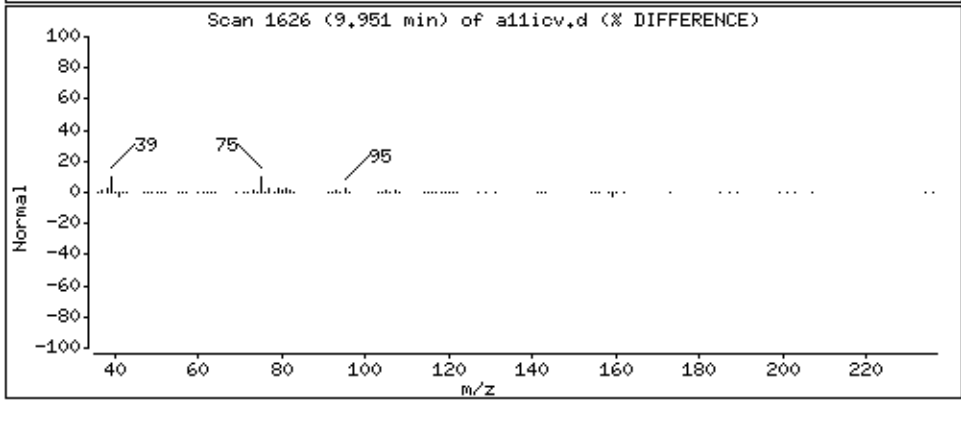
92 1,2-Dibromo-3-chloropropane

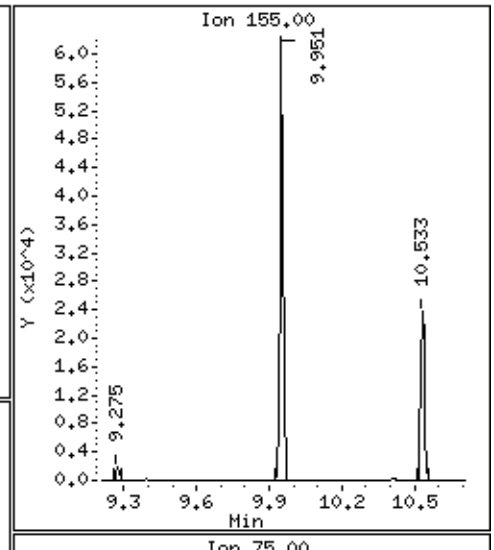
Concentration: 52.4 ppb

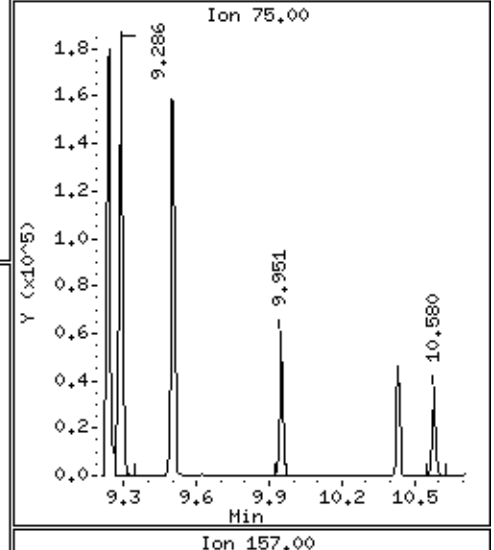


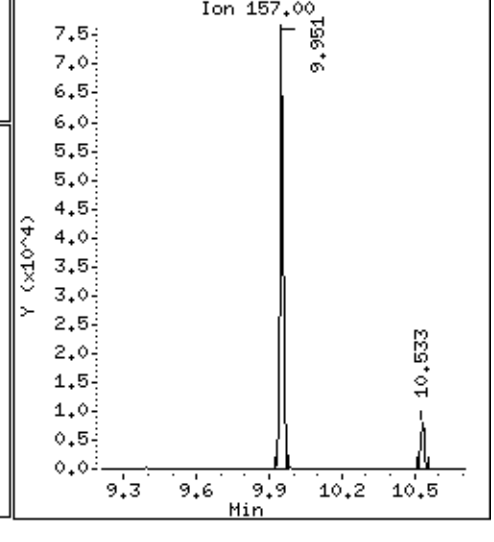












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

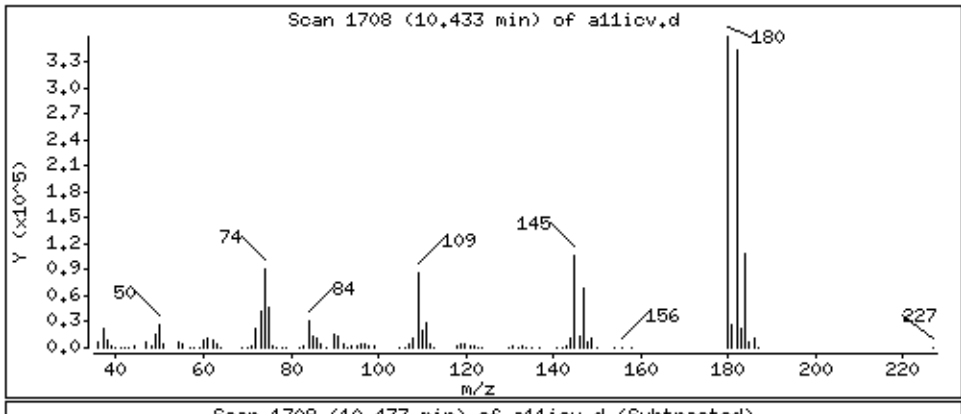
Operator: rsw

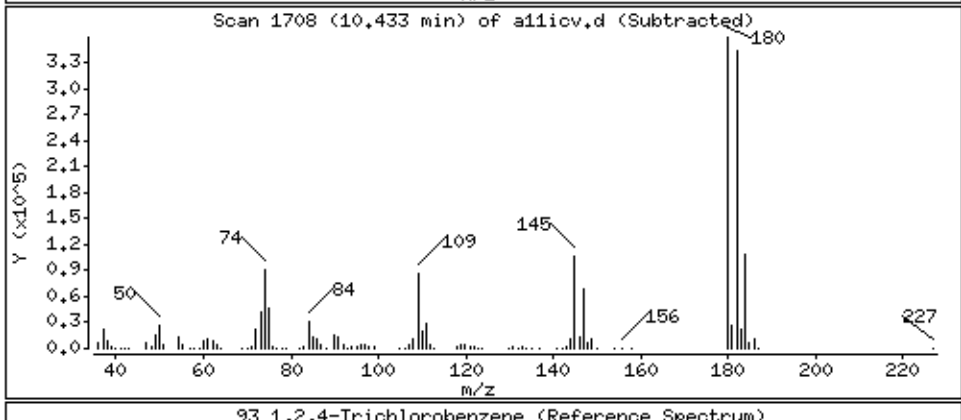
Column phase: DB-624

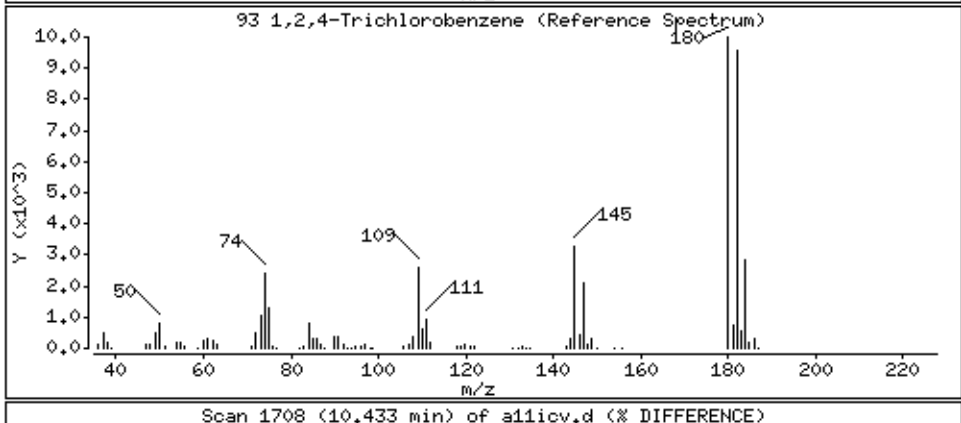
Column diameter: 0.18

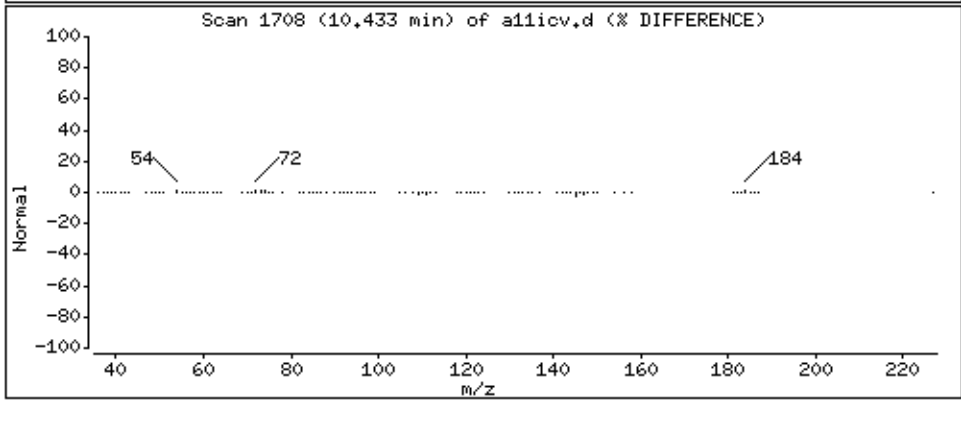
93 1,2,4-Trichlorobenzene

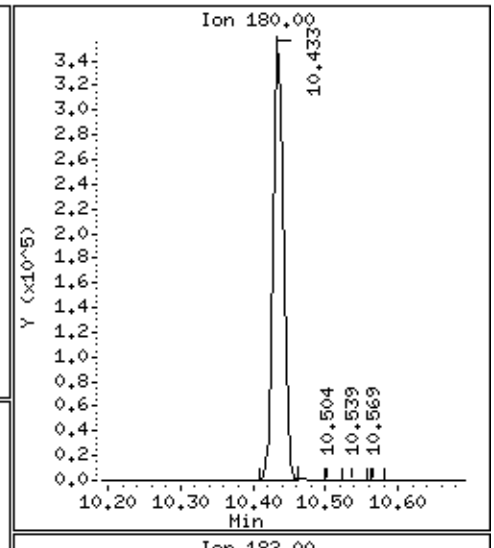
Concentration: 54.4 ppb

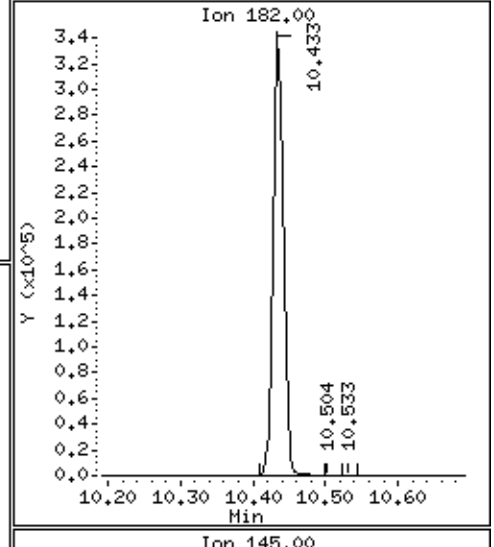


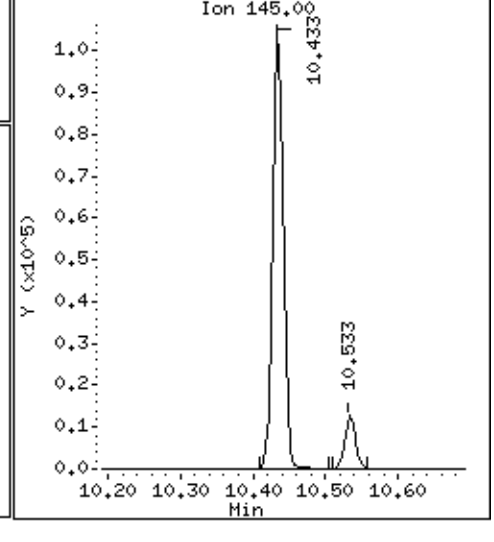












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

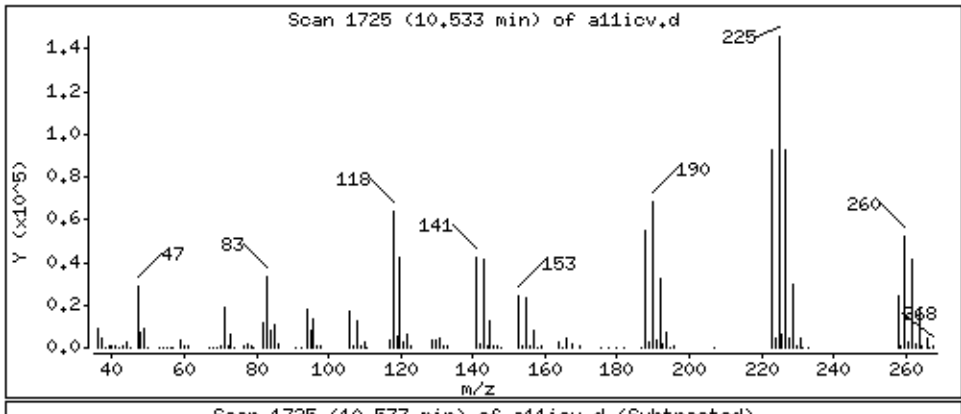
Operator: rsw

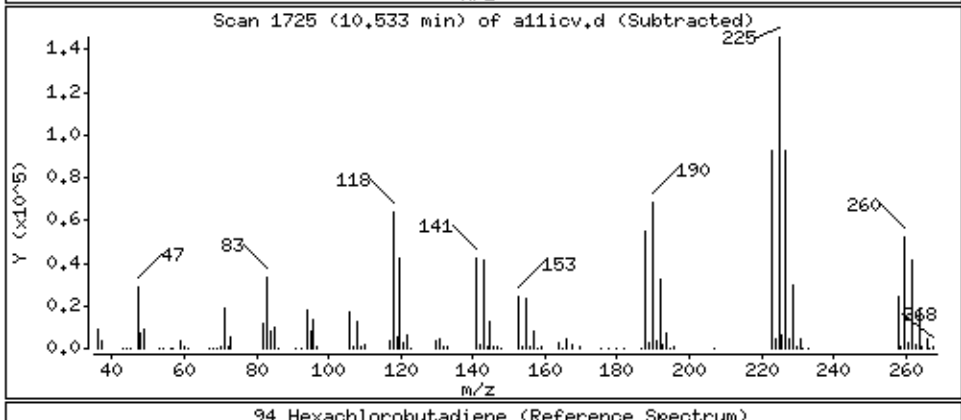
Column phase: DB-624

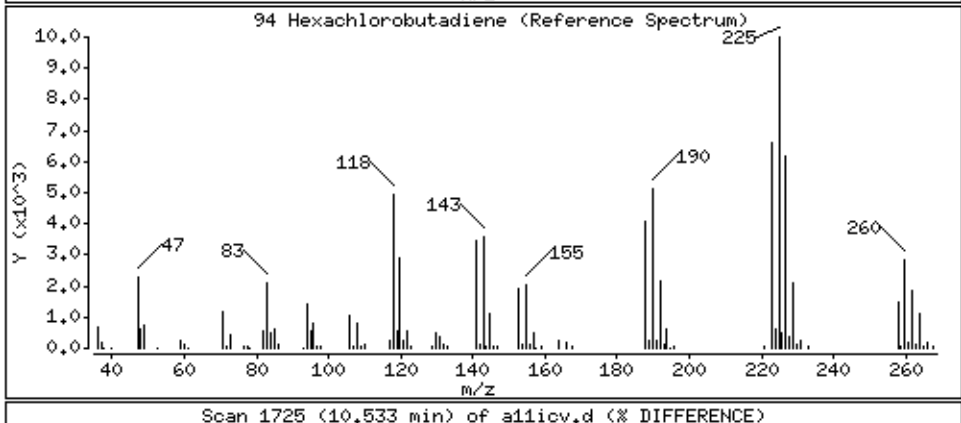
Column diameter: 0.18

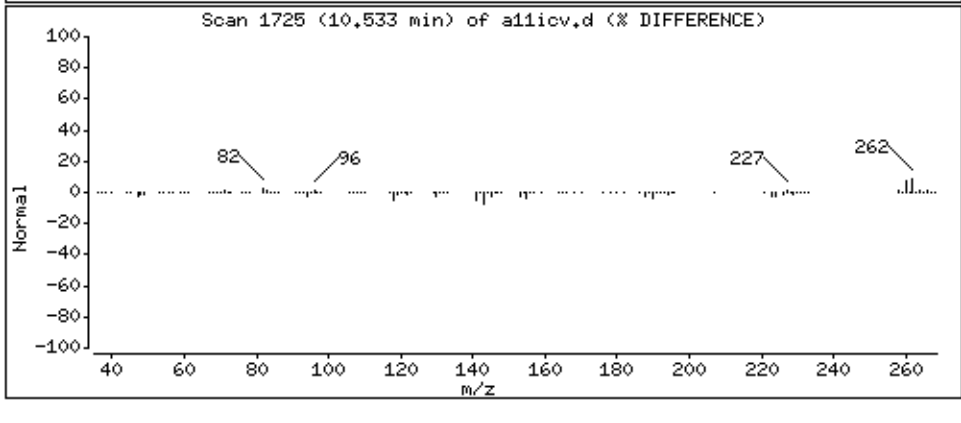
94 Hexachlorobutadiene

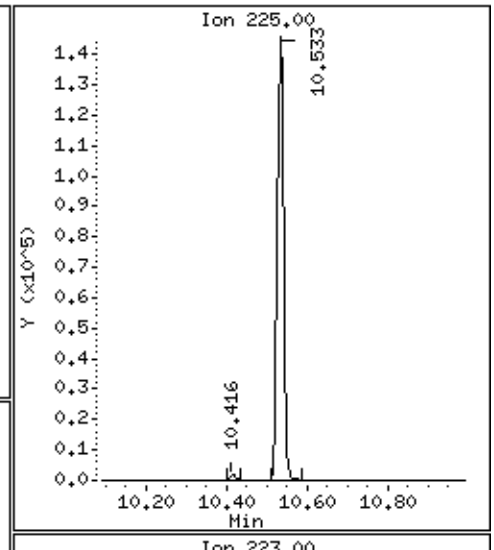
Concentration: 50.1 ppb

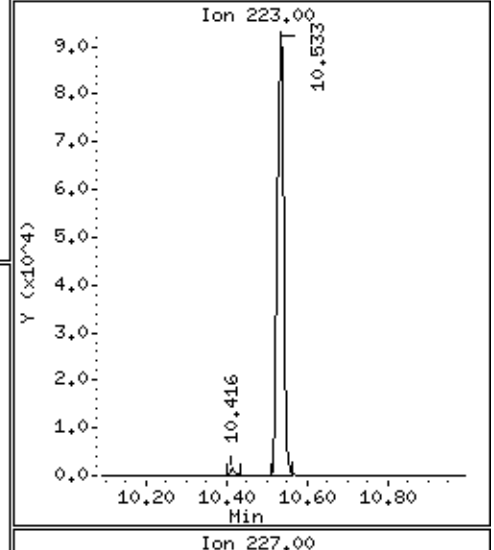


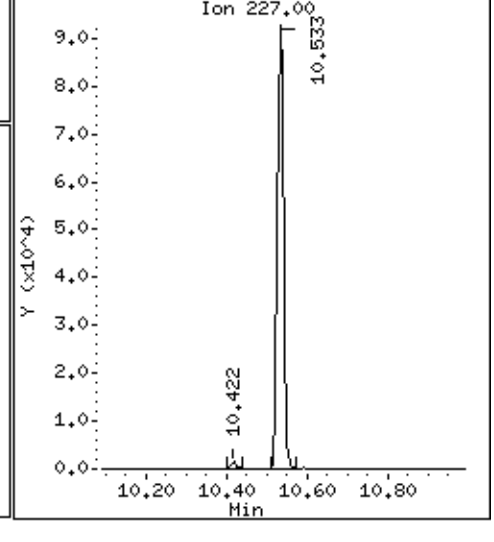












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

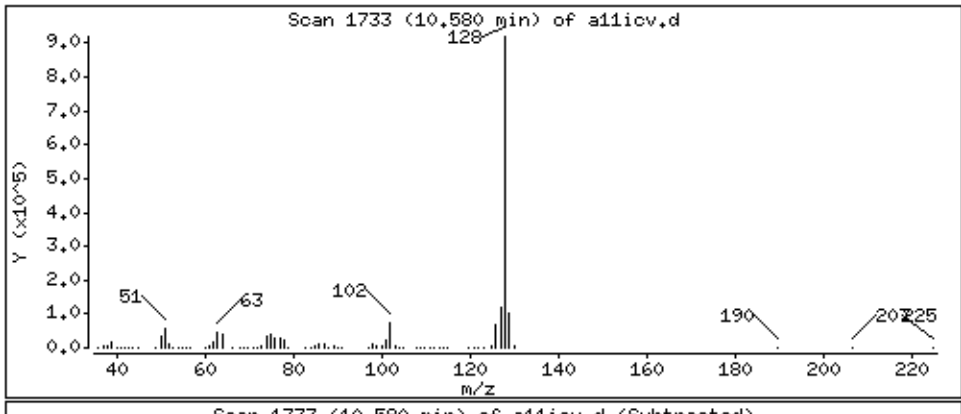
Operator: rsw

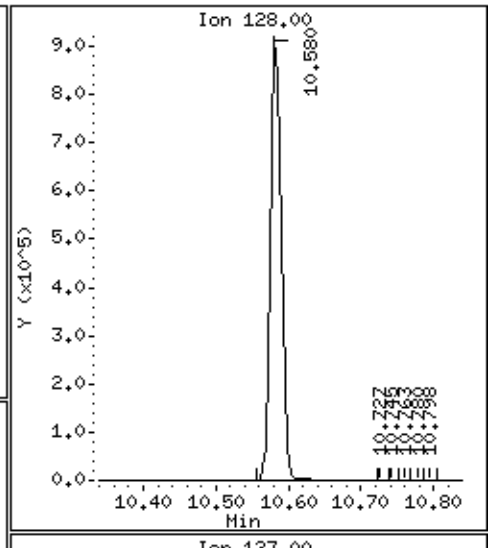
Column phase: DB-624

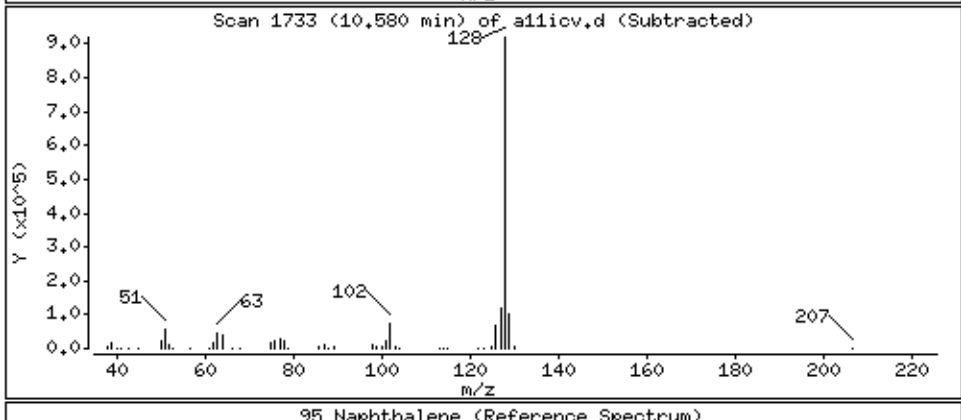
Column diameter: 0.18

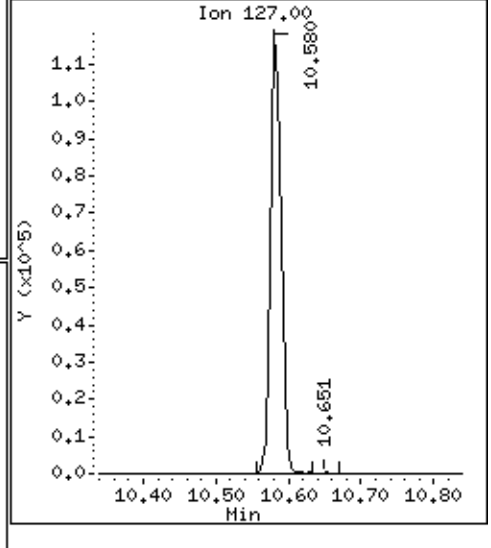
95 Naphthalene

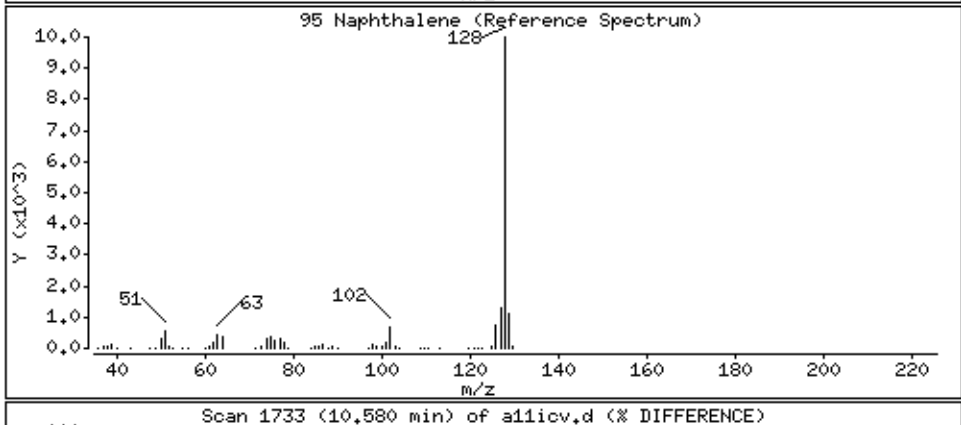
Concentration: 49.8 ppb

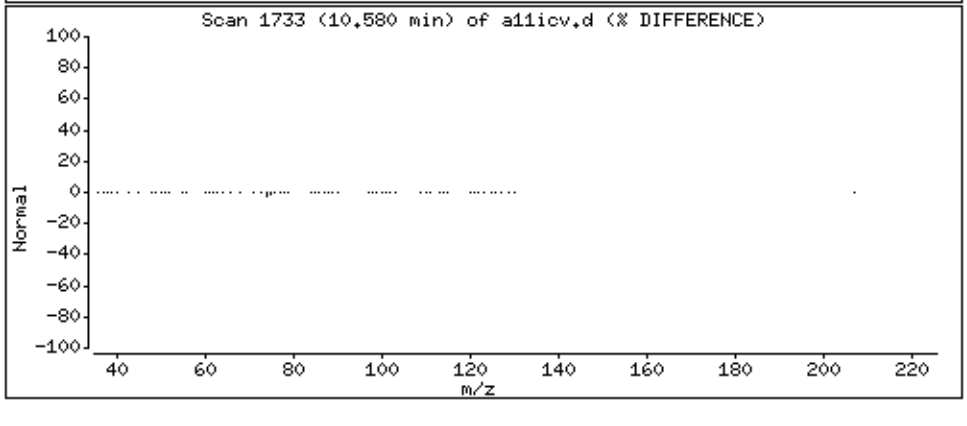












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

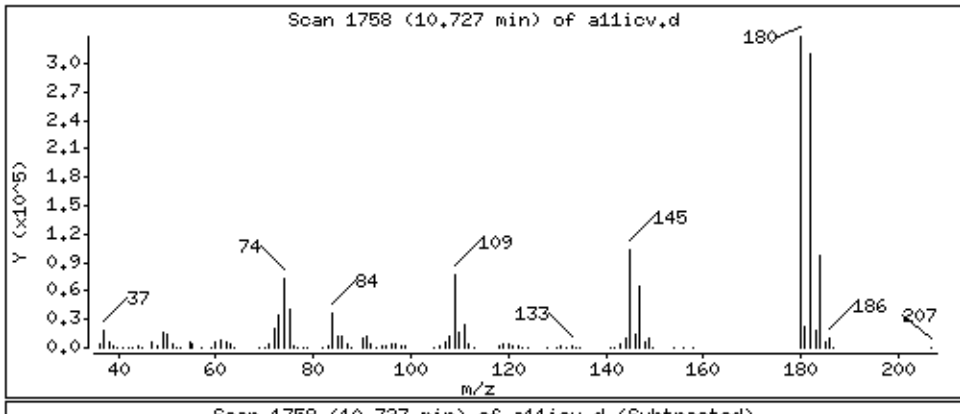
Operator: rsw

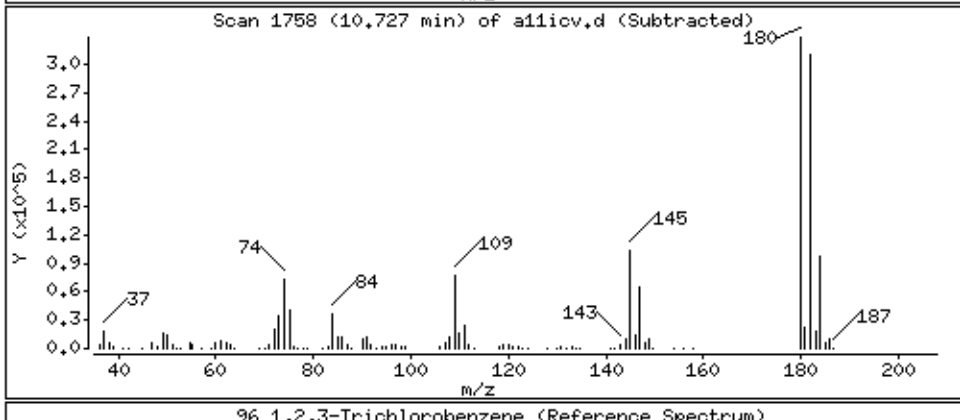
Column phase: DB-624

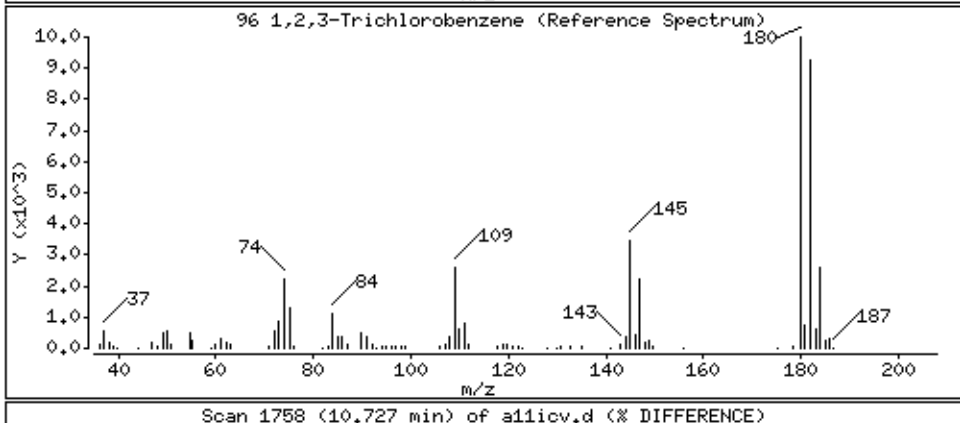
Column diameter: 0.18

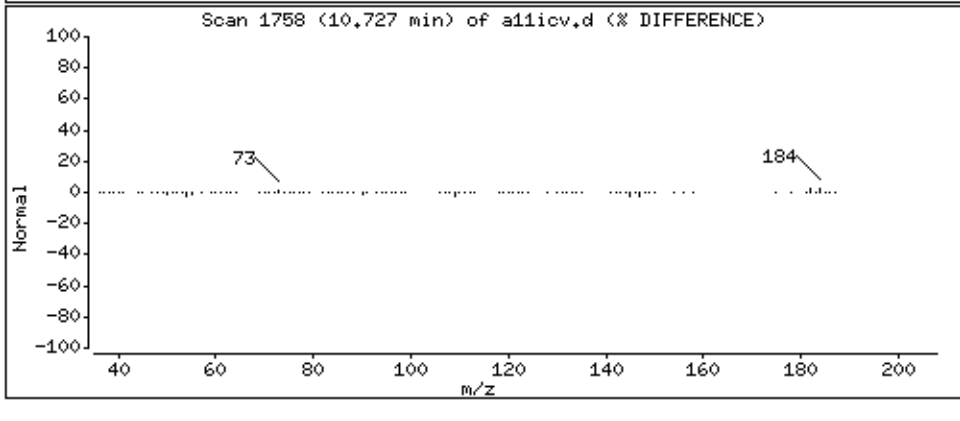
96 1,2,3-Trichlorobenzene

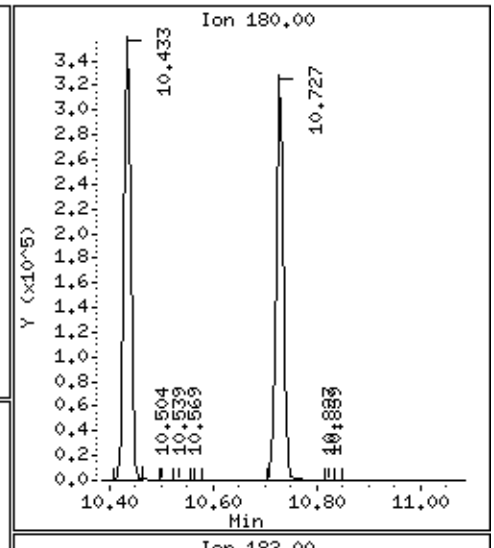
Concentration: 55.1 ppb

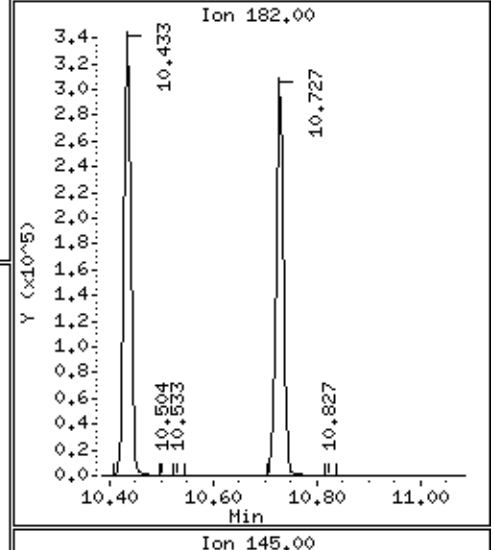


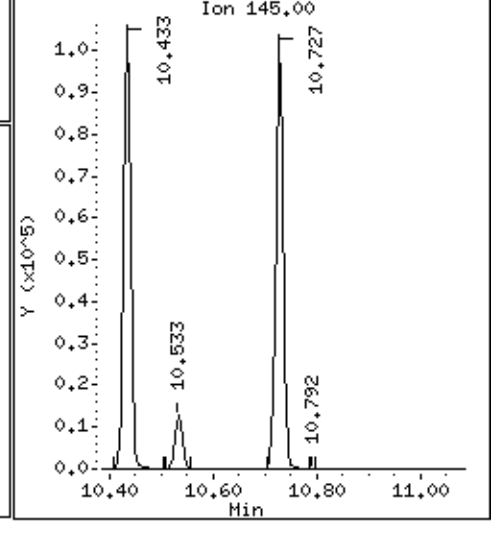












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

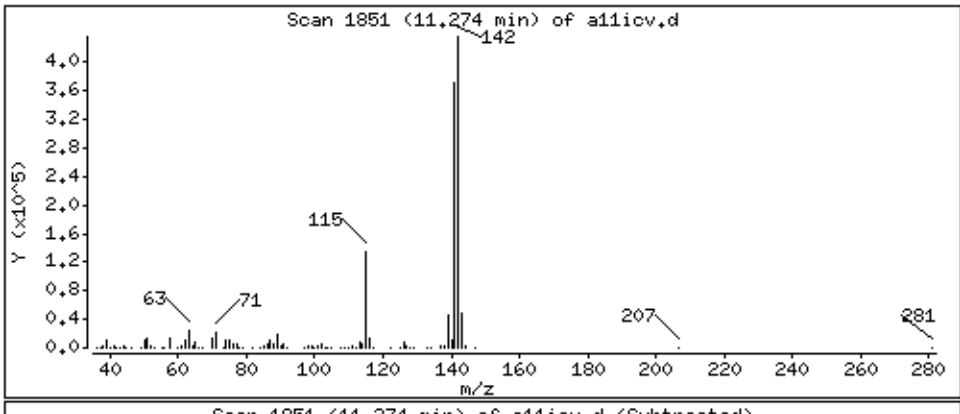
Operator: rsw

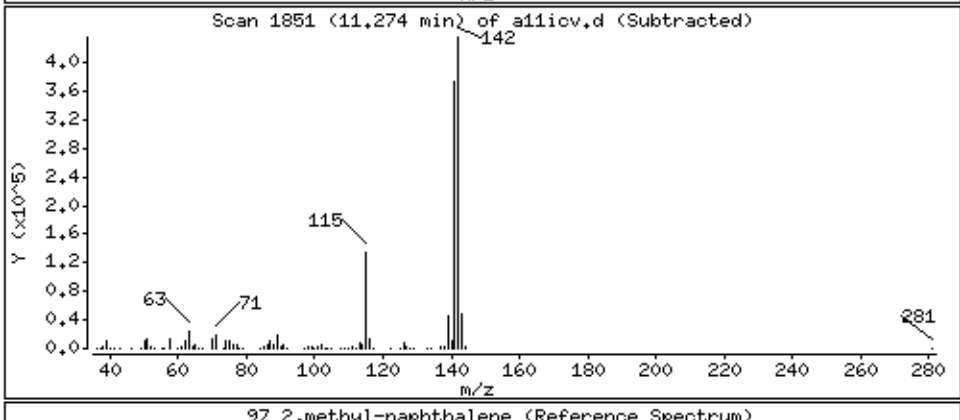
Column phase: DB-624

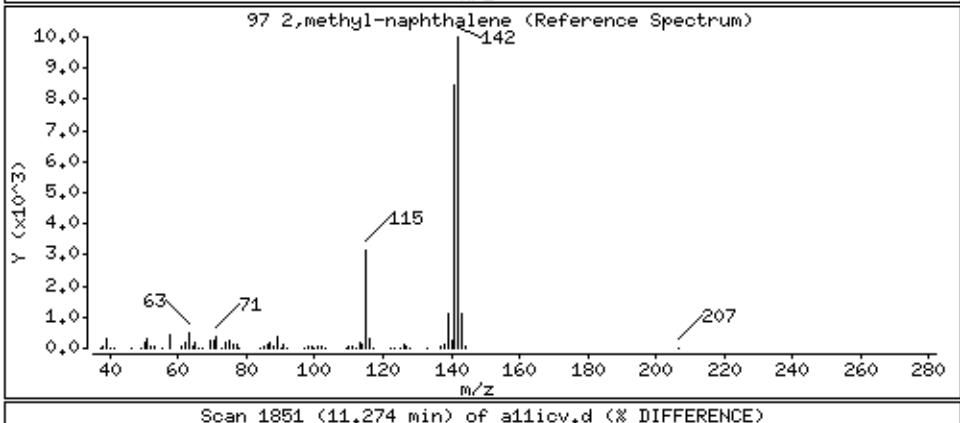
Column diameter: 0.18

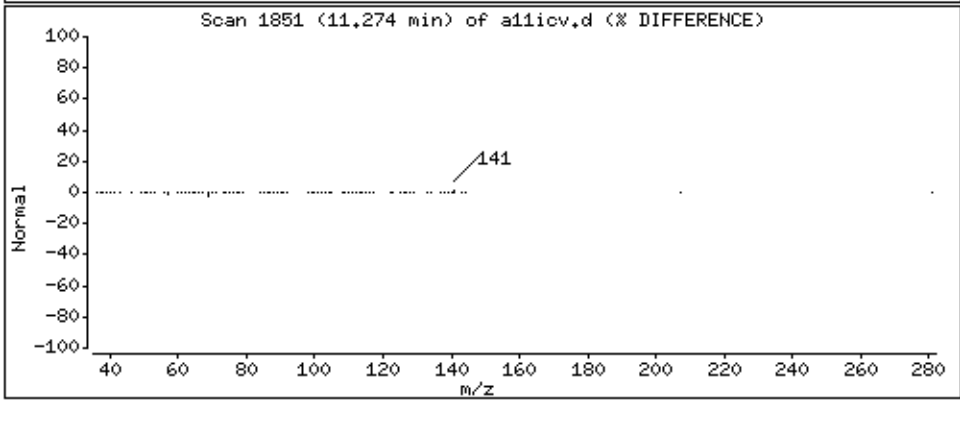
97 2,methyl-naphthalene

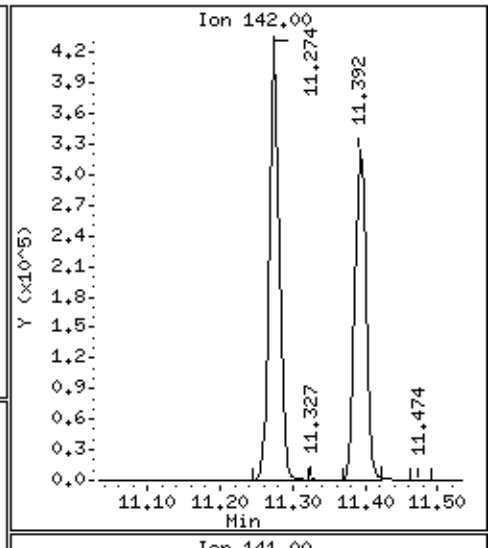
Concentration: 60.4 ppb

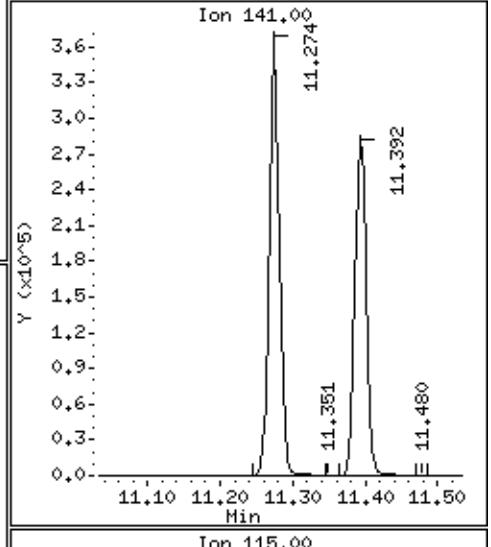


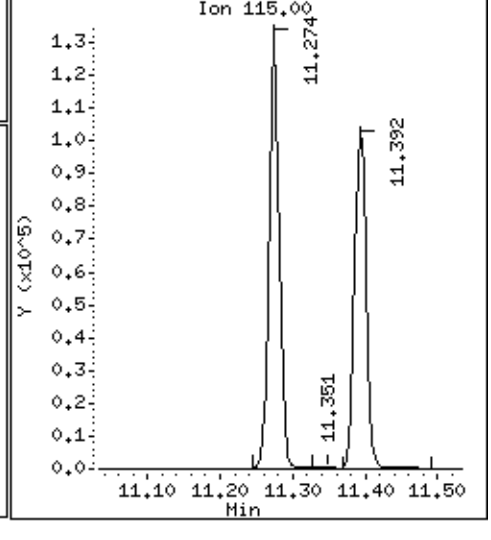












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a11icv.d

Date : 04-JUL-2014 05:06

Client ID: 8260-ICV

Instrument: 50mv4a.i

Sample Info: 8260-ICV,71917:0

Purge Volume: 5.0

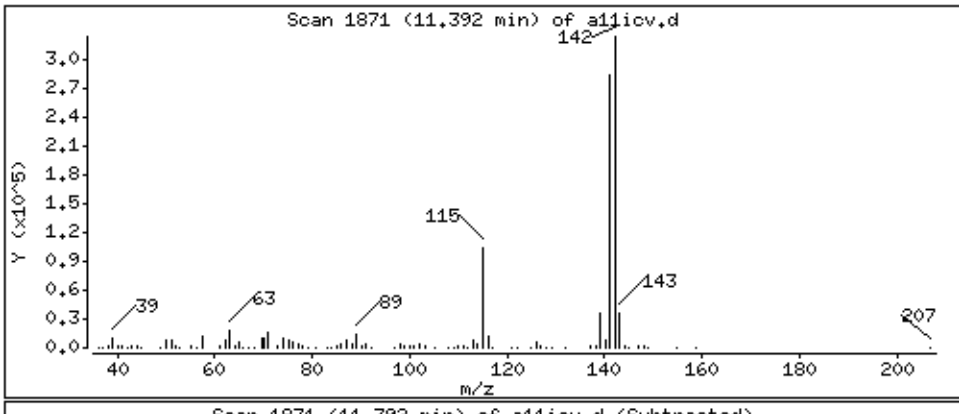
Operator: rsw

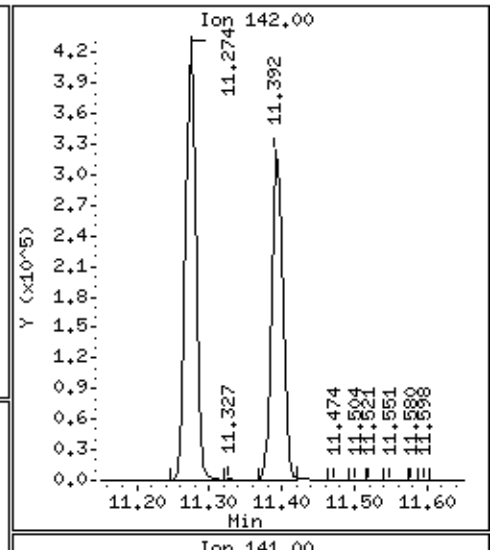
Column phase: DB-624

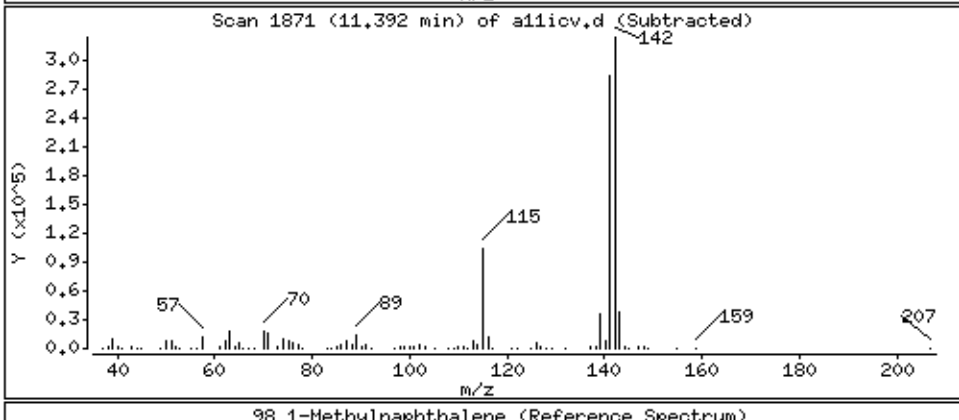
Column diameter: 0.18

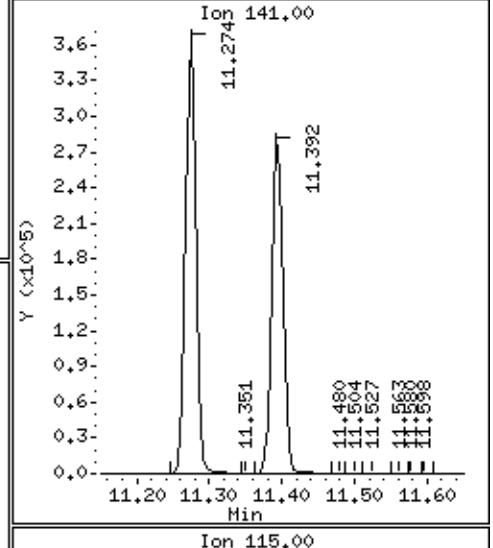
98 1-Methylnaphthalene

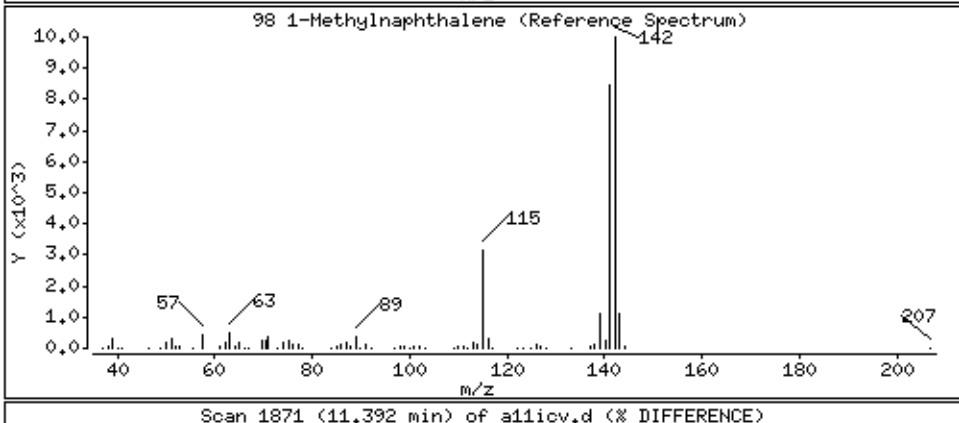
Concentration: 54.2 ppb

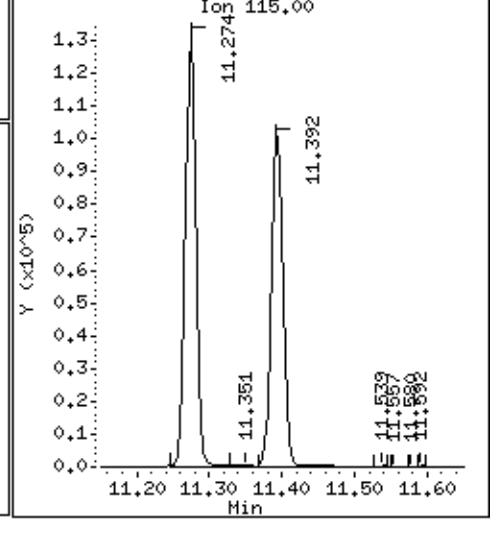


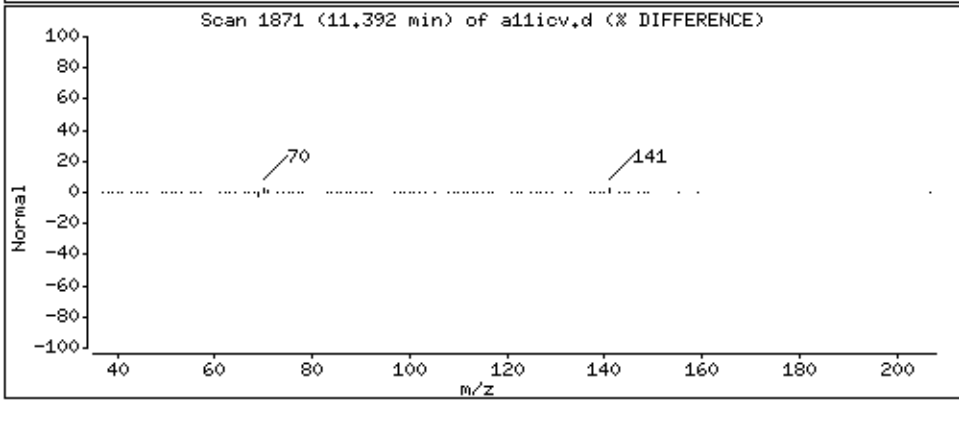












Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b/a11icv.d
Injection Date: 04-JUL-2014 05:06
Instrument: 50mv4a.i
Lab Sample ID: 8260-ICV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

Data file : \\192.168.50.6\chem\50mv4a.i\a071514.b\a01ccv.d
Lab Smp Id: 8260-CCV Client Smp ID: 8260-CCV
Inj Date : 15-JUL-2014 14:14
Operator : rsw Inst ID: 50mv4a.i
Smp Info : 8260-ccv,72183:0
Misc Info : 66458
Comment :
Method : \\192.168.50.6\chem\50mv4a.i\a071514.b\-a8260_a_c.m
Meth Date : 16-Jul-2014 09:51 rwrede Quant Type: ISTD
Cal Date : 04-JUL-2014 04:02 Cal File: a09.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOA-RSR

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)	REVIEW C
1 Dichlorodifluoromethane	85	1.010	1.004	(0.196)	374754	50.0000	50.7	
2 Chloromethane	50	1.133	1.133	(0.220)	334480	50.0000	41.9	
3 Vinyl Chloride	62	1.174	1.174	(0.228)	313153	50.0000	50.2	
4 Bromomethane	94	1.363	1.363	(0.265)	129066	50.0000	56.5	
5 Chloroethane	64	1.427	1.427	(0.278)	167362	50.0000	48.9	
6 Trichlorofluoromethane	101	1.592	1.586	(0.310)	499534	50.0000	59.7	
7 Diethyl ether	74	1.786	1.780	(0.347)	142187	50.0000	54.0	
8 1,2-dichlorotrifluoroethane	67	1.792	1.792	(0.348)	306349	50.0000	61.5	
9 Acrolein	56	1.874	1.874	(0.364)	647415	1000.00	999	
10 1,1,2trichlorotrifluoroethane	101	1.945	1.945	(0.378)	304629	50.0000	61.6	
11 1,1-Dichloroethene	96	1.939	1.939	(0.377)	261139	50.0000	57.2	
12 Acetone	43	1.986	1.986	(0.386)	287310	250.000	268	
13 Iodomethane	142	2.051	2.051	(0.399)	750482	100.000	113	
14 Carbon Disulfide	76	2.098	2.098	(0.408)	1349140	100.000	113	
15 Acetonitrile	39	2.221	2.221	(0.432)	472469	50.0000	54.4	
16 allyl chloride	41	2.221	2.221	(0.432)	692451	100.000	109	
17 Methyl Acetate	43	2.251	2.245	(0.438)	171169	50.0000	46.2	
18 Methylene Chloride	84	2.327	2.321	(0.452)	280201	50.0000	56.5	
19 tert-Butyl Alcohol	59	2.457	2.457	(0.478)	34757	100.000	89.4	
20 Acrylonitrile	53	2.557	2.551	(0.497)	1562336	1000.00	1040	
21 1,2-Dichloroethene (trans)	96	2.568	2.563	(0.499)	280396	50.0000	54.6	
22 Methyl-tert-butyl ether	73	2.580	2.580	(0.502)	1135887	100.000	87.2	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	23 n-Hexane	57	2.845	2.839	(0.553)	332034	50.0000	59.1	
	24 1,1-Dichloroethane	63	2.992	2.992	(0.582)	399395	50.0000	45.8	
	25 Vinyl Acetate	43	3.080	3.080	(0.599)	1750606	200.000	196	
	26 chloroprene	53	3.098	3.092	(0.602)	322198	50.0000	46.4	
	27 2,2-Dichloropropane	77	3.698	3.692	(0.719)	261255	50.0000	36.5	
	28 1,2-Dichloroethene (cis)	96	3.710	3.710	(0.721)	340426	50.0000	54.5	
	29 2-Butanone	43	3.774	3.768	(0.734)	512608	250.000	245	
	30 Propionitrile	54	3.857	3.857	(0.750)	31356	50.0000	40.8	
	31 Bromochloromethane	49	4.039	4.033	(0.785)	193688	50.0000	47.4	
	32 Methacrylonitrile	41	4.057	4.057	(0.788)	140259	50.0000	39.9	
	33 Tetrahydrofuran	42	4.109	4.104	(0.799)	64231	50.0000	25.1	
	34 Chloroform	83	4.174	4.174	(0.811)	485458	50.0000	49.9	
	35 1,1,1-Trichloroethane	97	4.362	4.362	(0.848)	379151	50.0000	42.2	
$	36 Dibromofluoromethane (S)	113	4.374	4.374	(0.850)	93583	50.0000	50.3	
	37 Cyclohexane	56	4.415	4.415	(0.858)	406559	50.0000	50.0	
	38 Carbon Tetrachloride	117	4.562	4.562	(0.887)	280357	50.0000	39.5	
	39 1,1-Dichloropropene	75	4.574	4.574	(0.889)	377056	50.0000	52.2	
	40 Benzene	78	4.815	4.809	(0.936)	1099060	50.0000	54.7	
	41 1,2-Dichloroethane	62	4.851	4.851	(0.943)	349146	50.0000	49.2	
	42 Isobutyl alcohol	43	4.933	4.933	(0.959)	124155	50.0000	49.5	
	43 2,2,4-Trimethylpentane	57	4.933	4.933	(0.959)	660763	50.0000	56.1	
*	44 Fluorobenzene	96	5.145	5.145	(1.000)	335754	50.0000		
	45 Trichloroethene	95	5.539	5.545	(1.077)	318197	50.0000	51.9	
	46 Methylcyclohexane	55	5.721	5.721	(1.112)	319778	50.0000	48.9	
	47 1,2-Dichloropropane	63	5.774	5.768	(1.122)	256330	50.0000	48.6	
	48 Dibromomethane	93	5.886	5.886	(1.144)	178130	50.0000	50.2	
	49 1,4-Dioxane	88	5.945	5.945	(1.155)	68283	1000.00	1610	
	50 Methyl methacrylate	69	5.956	5.956	(1.158)	156034	50.0000	46.1	
	51 Bromodichloromethane	83	6.068	6.068	(1.179)	300480	50.0000	45.2	
	52 2-Chloroethyl vinyl ether	63	6.403	6.403	(0.814)	267763	100.000	77.6	
	53 cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	373232	50.0000	41.5	
	54 4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	1049730	250.000	219	
$	55 Toluene-d8	98	6.750	6.750	(0.859)	364380	50.0000	46.2	
	56 Toluene	91	6.815	6.815	(0.867)	1286304	50.0000	50.5	
	57 trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	284103	50.0000	37.5	
	58 Ethyl Methacrylate	69	7.145	7.145	(0.909)	287965	50.0000	42.5	
	59 1,1,2-Trichloroethane	83	7.180	7.180	(0.913)	214328	50.0000	47.6	
	60 Tetrachloroethene	166	7.274	7.274	(0.925)	406873	50.0000	53.9	
	61 1,3-Dichloropropane	76	7.309	7.303	(0.930)	409882	50.0000	48.6	
	62 2-Hexanone	43	7.398	7.397	(0.941)	707429	250.000	216	
	63 Dibromochloromethane	129	7.468	7.468	(0.950)	235650	50.0000	41.6	
	64 1,2-Dibromoethane	107	7.539	7.539	(0.959)	280193	50.0000	50.5	
*	65 Chlorobenzene-d5	117	7.862	7.862	(1.000)	316122	50.0000		
	66 Chlorobenzene	112	7.880	7.880	(1.002)	930860	50.0000	52.9	
	67 1,1,1,2-Tetrachloroethane	131	7.945	7.939	(1.010)	278932	50.0000	45.8	
	68 Ethylbenzene	106	7.962	7.962	(1.013)	487748	50.0000	49.6	
	69 m&p-Xylene	106	8.039	8.039	(1.022)	1157358	100.000	103	
	70 o-Xylene	106	8.286	8.286	(1.054)	564988	50.0000	50.7	
	71 Styrene	104	8.297	8.292	(1.055)	972228	50.0000	52.9	
	72 Bromoform	173	8.403	8.403	(0.906)	123505	50.0000	29.5	
	73 Isopropylbenzene	105	8.515	8.509	(1.083)	1414170	50.0000	51.5	
$	74 4-Bromofluorobenzene	95	8.603	8.597	(1.094)	140507	50.0000	45.1	
	75 Bromobenzene	77	8.686	8.680	(1.105)	474517	50.0000	46.4	
	76 1,1,2,2-Tetrachloroethane	83	8.697	8.692	(0.938)	315744	50.0000	50.3	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
77	1,2,3-Trichloropropane	110	8.721	8.715	(0.940)	100034	50.0000	51.3	
78	trans-1,4-Dichloro-2-butene	53	8.733	8.727	(1.111)	58889	50.0000	39.2	
79	n-Propylbenzene	91	8.756	8.750	(0.944)	1581802	50.0000	51.9	
80	2-Chlorotoluene	91	8.803	8.797	(0.949)	938102	50.0000	49.6	
81	1,3,5-Trimethylbenzene	105	8.862	8.856	(0.956)	1148577	50.0000	50.3	
82	4-Chlorotoluene	126	8.868	8.862	(0.956)	387536	50.0000	53.3	
83	tert-Butylbenzene	119	9.050	9.044	(0.976)	1128078	50.0000	46.9	
84	1,2,4-Trimethylbenzene	105	9.080	9.068	(0.979)	1176753	50.0000	49.8	
85	sec-Butylbenzene	105	9.174	9.168	(0.989)	1383468	50.0000	52.2	
86	1,3-Dichlorobenzene	146	9.239	9.227	(0.996)	716828	50.0000	54.9	
87	p-Isopropyltoluene	119	9.262	9.250	(0.999)	1243676	50.0000	52.4	
* 88	1,4-Dichlorobenzene-d4	152	9.274	9.268	(1.000)	171920	50.0000		
89	1,4-Dichlorobenzene	146	9.292	9.280	(1.002)	739436	50.0000	55.9	
90	n-Butylbenzene	91	9.497	9.486	(1.024)	972949	50.0000	52.1	
91	1,2-Dichlorobenzene	146	9.503	9.491	(1.025)	671153	50.0000	55.0	
92	1,2-Dibromo-3-chloropropane	155	9.956	9.939	(1.074)	44673	50.0000	39.2	
93	1,2,4-Trichlorobenzene	180	10.438	10.421	(1.126)	385888	50.0000	54.8	
94	Hexachlorobutadiene	225	10.538	10.521	(1.136)	164552	50.0000	48.9	
95	Naphthalene	128	10.586	10.568	(1.141)	1056897	50.0000	51.2	
96	1,2,3-Trichlorobenzene	180	10.733	10.709	(1.157)	339608	50.0000	53.2	
97	2,methyl-naphthalene	142	11.285	11.250	(1.217)	336814	50.0000	45.7	
98	1-Methylnaphthalene	142	11.403	11.368	(2.216)	325426	50.0000	52.8	
99	n-amyl acetate	70	1.010	1.004	(0.196)	989	50.0000		
100	isopropyl acetate	61	1.174	1.174	(0.228)	25300	50.0000		

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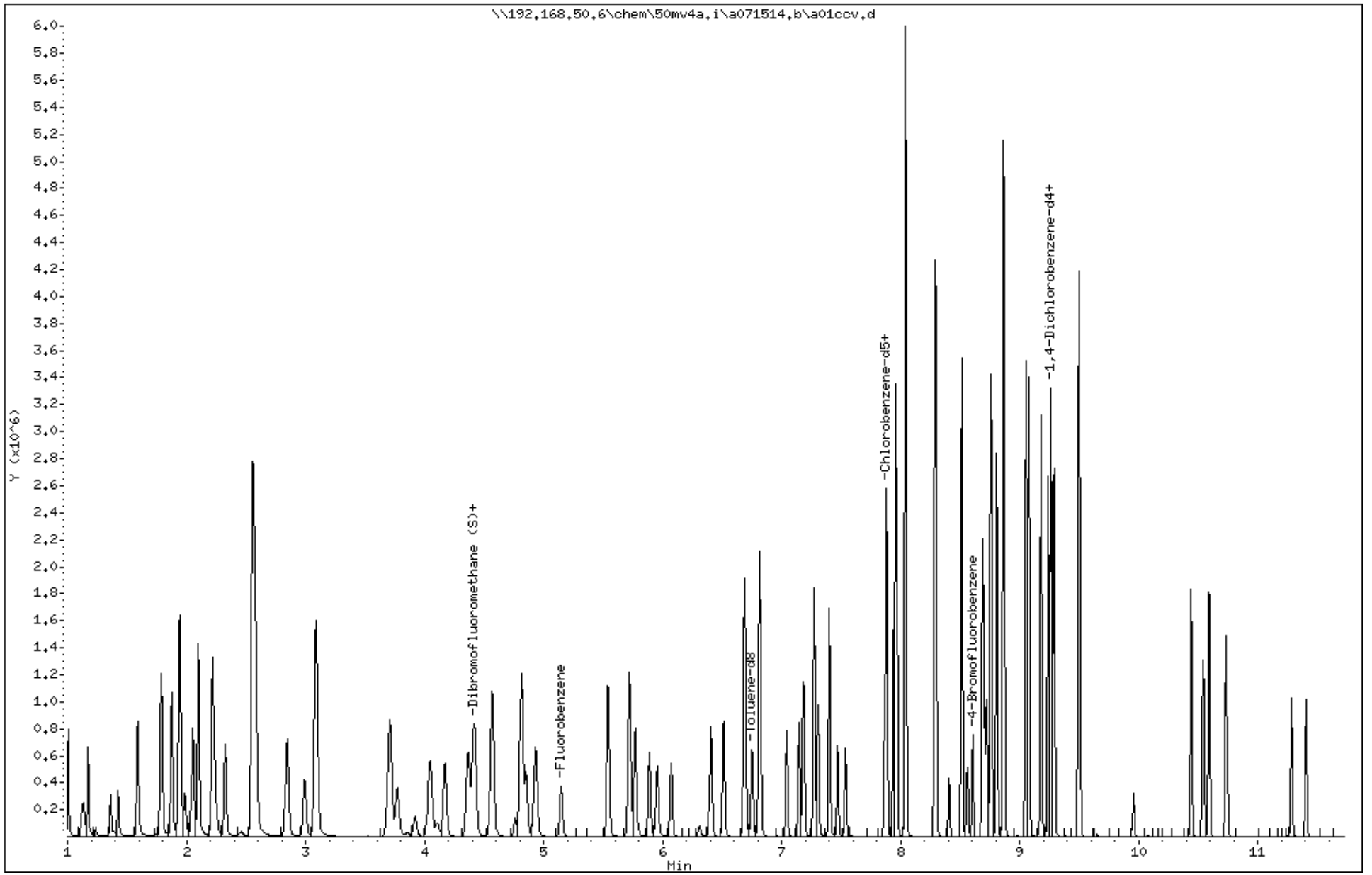
Client ID: 8260-CCV
Instrument: 50mv4a.i
Sample Info: 8260-CCV,72183:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



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Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Pace Analytical Services, Inc.

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Cal Date : 04-JUL-2014 04:02 Cal File: a09.d
Als bottle: 47 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: VOA-RSR

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

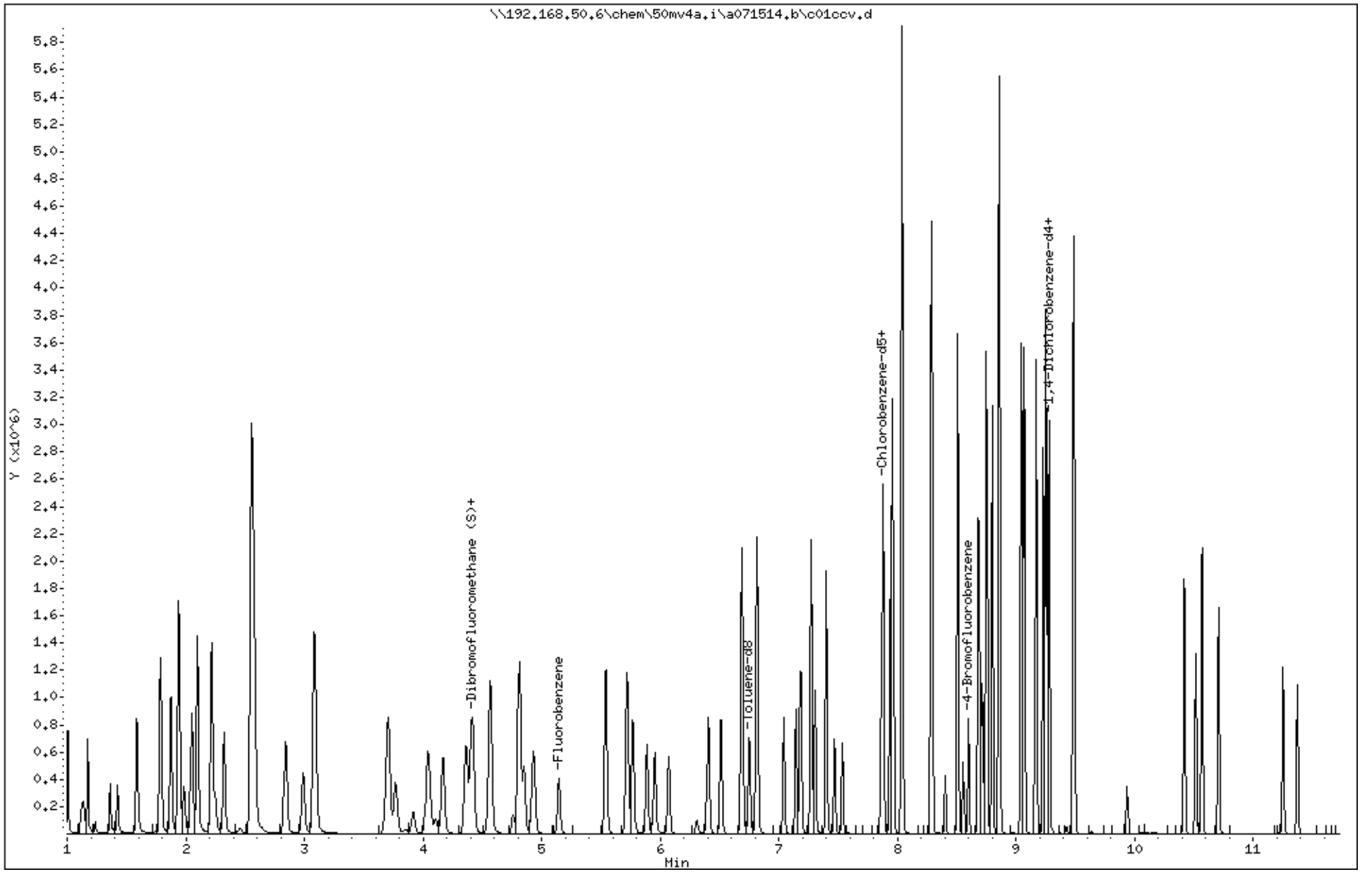
Name	Value	Description
DF	1.000	Dilution Factor
Uf	5.000	ng unit correction factor
Vo	5.000	Sample Volume purged (mL)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
1 Dichlorodifluoromethane	85	1.004	1.004	(0.195)	370673	50.0000	45.9	
2 Chloromethane	50	1.133	1.133	(0.220)	342553	50.0000	39.2	
3 Vinyl Chloride	62	1.174	1.174	(0.228)	317498	50.0000	46.5	
4 Bromomethane	94	1.363	1.363	(0.265)	141907	50.0000	56.8	
5 Chloroethane	64	1.427	1.427	(0.277)	168440	50.0000	45.0	
6 Trichlorofluoromethane	101	1.586	1.586	(0.308)	495293	50.0000	54.1	
7 Diethyl ether	74	1.780	1.780	(0.346)	151261	50.0000	52.5	
8 1,2-dichlorotrifluoroethane	67	1.792	1.792	(0.348)	318862	50.0000	58.4	
9 Acrolein	56	1.874	1.874	(0.364)	632220	1000.00	892	
10 1,1,2trichlorotrifluoroethane	101	1.945	1.945	(0.378)	306024	50.0000	56.6	
11 1,1-Dichloroethene	96	1.939	1.939	(0.377)	272860	50.0000	54.7	
12 Acetone	43	1.986	1.986	(0.386)	306488	250.000	261	
13 Iodomethane	142	2.051	2.051	(0.399)	833896	100.000	115	
14 Carbon Disulfide	76	2.098	2.098	(0.408)	1402171	100.000	108	
15 Acetonitrile	39	2.221	2.221	(0.432)	485500	50.0000	50.9	
16 allyl chloride	41	2.221	2.221	(0.432)	713623	100.000	102	
17 Methyl Acetate	43	2.245	2.245	(0.436)	211467	50.0000	52.2	
18 Methylene Chloride	84	2.321	2.321	(0.451)	293604	50.0000	54.1	
19 tert-Butyl Alcohol	59	2.457	2.457	(0.478)	38762	100.000	91.1	
20 Acrylonitrile	53	2.551	2.551	(0.496)	1638850	1000.00	997	
21 1,2-Dichloroethene (trans)	96	2.563	2.563	(0.498)	290025	50.0000	51.7	
22 Methyl-tert-butyl ether	73	2.580	2.580	(0.502)	1237039	100.000	86.9	

			QUANT SIG					AMOUNTS		
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
	23	n-Hexane	57	2.839	2.839	(0.552)	310379	50.0000	50.7	
	24	1,1-Dichloroethane	63	2.992	2.992	(0.582)	419842	50.0000	44.0	
	25	Vinyl Acetate	43	3.080	3.080	(0.599)	1626547	200.000	167	
	26	chloroprene	53	3.092	3.092	(0.601)	330545	50.0000	43.5	
	27	2,2-Dichloropropane	77	3.692	3.692	(0.718)	240447	50.0000	30.7	
	28	1,2-Dichloroethene (cis)	96	3.710	3.710	(0.721)	353983	50.0000	51.8	
	29	2-Butanone	43	3.768	3.768	(0.732)	543147	250.000	238	
	30	Propionitrile	54	3.857	3.857	(0.750)	35253	50.0000	41.9	
	31	Bromochloromethane	49	4.033	4.033	(0.784)	197324	50.0000	44.2	
	32	Methacrylonitrile	41	4.057	4.057	(0.788)	153013	50.0000	39.8	
	33	Tetrahydrofuran	42	4.104	4.104	(0.798)	70561	50.0000	25.2	
	34	Chloroform	83	4.174	4.174	(0.811)	505968	50.0000	47.6	
	35	1,1,1-Trichloroethane	97	4.362	4.362	(0.848)	396608	50.0000	40.4	
$	36	Dibromofluoromethane (S)	113	4.374	4.374	(0.850)	101973	50.0000	50.2	
	37	Cyclohexane	56	4.415	4.415	(0.858)	418821	50.0000	47.1	
	38	Carbon Tetrachloride	117	4.562	4.562	(0.887)	294498	50.0000	38.0	
	39	1,1-Dichloropropene	75	4.574	4.574	(0.889)	393732	50.0000	49.8	
	40	Benzene	78	4.809	4.809	(0.935)	1150625	50.0000	52.4	
	41	1,2-Dichloroethane	62	4.851	4.851	(0.943)	360263	50.0000	46.4	
	42	Isobutyl alcohol	43	4.933	4.933	(0.959)	117923	50.0000	43.4	
	43	2,2,4-Trimethylpentane	57	4.933	4.933	(0.959)	623998	50.0000	48.4	
*	44	Fluorobenzene	96	5.145	5.145	(1.000)	367105	50.0000		
	45	Trichloroethene	95	5.545	5.545	(1.078)	335121	50.0000	50.0	
	46	Methylcyclohexane	55	5.721	5.721	(1.112)	323811	50.0000	45.3	
	47	1,2-Dichloropropane	63	5.768	5.768	(1.121)	272359	50.0000	47.3	
	48	Dibromomethane	93	5.886	5.886	(1.144)	188783	50.0000	48.7	
	49	1,4-Dioxane	88	5.945	5.945	(1.155)	76177	1000.00	1640	
	50	Methyl methacrylate	69	5.956	5.956	(1.158)	170639	50.0000	46.1	
	51	Bromodichloromethane	83	6.068	6.068	(1.179)	311921	50.0000	42.9	
	52	2-Chloroethyl vinyl ether	63	6.403	6.403	(0.814)	287555	100.000	76.5	
	53	cis-1,3-Dichloropropene	75	6.515	6.515	(0.829)	381223	50.0000	38.9	
	54	4-Methyl-2-Pentanone	43	6.686	6.686	(0.850)	1109680	250.000	212	
$	55	Toluene-d8	98	6.750	6.750	(0.859)	390076	50.0000	45.4	
	56	Toluene	91	6.815	6.815	(0.867)	1342656	50.0000	48.4	
	57	trans-1,3-Dichloropropene	75	7.039	7.039	(0.895)	298224	50.0000	36.1	
	58	Ethyl Methacrylate	69	7.145	7.145	(0.909)	311102	50.0000	42.2	
	59	1,1,2-Trichloroethane	83	7.180	7.180	(0.913)	225609	50.0000	46.0	
	60	Tetrachloroethene	166	7.274	7.274	(0.925)	477936	50.0000	58.2	
	61	1,3-Dichloropropane	76	7.303	7.303	(0.929)	431280	50.0000	47.0	
	62	2-Hexanone	43	7.397	7.397	(0.941)	758764	250.000	213	
	63	Dibromochloromethane	129	7.468	7.468	(0.950)	249357	50.0000	40.5	
	64	1,2-Dibromoethane	107	7.539	7.539	(0.959)	296473	50.0000	49.1	
*	65	Chlorobenzene-d5	117	7.862	7.862	(1.000)	344320	50.0000		
	66	Chlorobenzene	112	7.880	7.880	(1.002)	971569	50.0000	50.6	
	67	1,1,1,2-Tetrachloroethane	131	7.939	7.939	(1.010)	291367	50.0000	44.0	
	68	Ethylbenzene	106	7.962	7.962	(1.013)	505258	50.0000	47.2	
	69	m&p-Xylene	106	8.039	8.039	(1.022)	1206920	100.000	98.9	
	70	o-Xylene	106	8.286	8.286	(1.054)	593917	50.0000	49.0	
	71	Styrene	104	8.292	8.292	(1.055)	1005676	50.0000	50.2	
	72	Bromoform	173	8.403	8.403	(0.907)	131881	50.0000	28.3	
	73	Isopropylbenzene	105	8.509	8.509	(1.082)	1477761	50.0000	49.4	
$	74	4-Bromofluorobenzene	95	8.597	8.597	(1.093)	157657	50.0000	46.5	
	75	Bromobenzene	77	8.680	8.680	(1.104)	503785	50.0000	45.2	
	76	1,1,2,2-Tetrachloroethane	83	8.692	8.692	(0.938)	331251	50.0000	47.1	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	REVIEW C
77	1,2,3-Trichloropropane	110	8.715	8.715	(0.940)	105768	50.0000	48.4	
78	trans-1,4-Dichloro-2-butene	53	8.727	8.727	(1.110)	56550	50.0000	34.8	
79	n-Propylbenzene	91	8.750	8.750	(0.944)	1641528	50.0000	48.1	
80	2-Chlorotoluene	91	8.797	8.797	(0.949)	988894	50.0000	46.6	
81	1,3,5-Trimethylbenzene	105	8.856	8.856	(0.956)	1198595	50.0000	46.8	
82	4-Chlorotoluene	126	8.862	8.862	(0.956)	411799	50.0000	50.6	
83	tert-Butylbenzene	119	9.044	9.044	(0.976)	1328840	50.0000	49.3	
84	1,2,4-Trimethylbenzene	105	9.068	9.068	(0.978)	1231106	50.0000	46.5	
85	sec-Butylbenzene	105	9.168	9.168	(0.989)	1451481	50.0000	48.9	
86	1,3-Dichlorobenzene	146	9.227	9.227	(0.996)	763735	50.0000	52.3	
87	p-Isopropyltoluene	119	9.250	9.250	(0.998)	1307599	50.0000	49.2	
* 88	1,4-Dichlorobenzene-d4	152	9.268	9.268	(1.000)	192588	50.0000		
89	1,4-Dichlorobenzene	146	9.280	9.280	(1.001)	778303	50.0000	52.5	
90	n-Butylbenzene	91	9.486	9.486	(1.023)	1009732	50.0000	48.3	
91	1,2-Dichlorobenzene	146	9.491	9.491	(1.024)	731984	50.0000	53.6	
92	1,2-Dibromo-3-chloropropane	155	9.939	9.939	(1.072)	49220	50.0000	38.6	
93	1,2,4-Trichlorobenzene	180	10.421	10.421	(1.124)	418031	50.0000	53.0	
94	Hexachlorobutadiene	225	10.521	10.521	(1.135)	170053	50.0000	45.1	
95	Naphthalene	128	10.568	10.568	(1.140)	1173560	50.0000	50.8	
96	1,2,3-Trichlorobenzene	180	10.709	10.709	(1.155)	373210	50.0000	52.2	
97	2,methyl-naphthalene	142	11.250	11.250	(1.214)	381161	50.0000	46.2	
98	1-Methylnaphthalene	142	11.368	11.368	(2.209)	367513	50.0000	54.5	
99	n-amyl acetate	70	1.004	1.004	(0.195)	1012	50.0000		
100	isopropyl acetate	61	1.174	1.174	(0.228)	25144	50.0000		

Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b\c01ccv.d
Date : 16-JUL-2014 02:00
Client ID: 8260-CCV
Instrument: 50mv4a.i
Sample Info: 8260-CCV,72183:0
Purge Volume: 5.0
Operator: rsw
Column phase: DB-624
Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b/c01ccv.d
Injection Date: 16-JUL-2014 02:00
Instrument: 50mv4a.i
Lab Sample ID: 8260-CCV
NO SIGNAL MANUAL INTEGRATIONS DONE FOR THIS DATA FILE

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a00bfb.d

Date : 09-JUL-2014 13:01

Client ID: bfb050

Instrument: 50mv2a.i

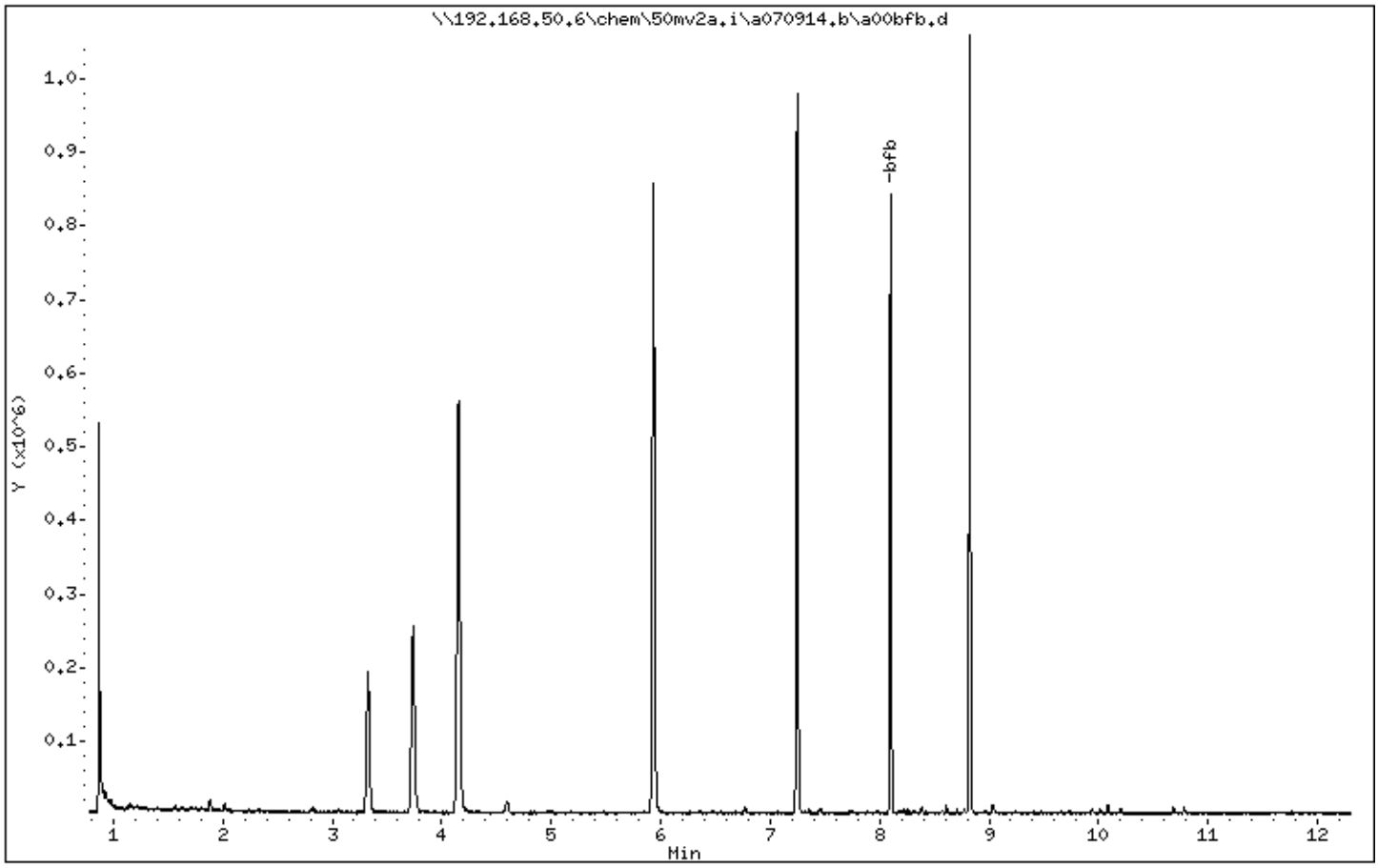
Sample Info: 8260-TUNE,72085:0

Volume Injected (uL): 5.0

Operator: dae

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a00bfb.d

Date : 09-JUL-2014 13:01

Client ID: bfb050

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,72085:0

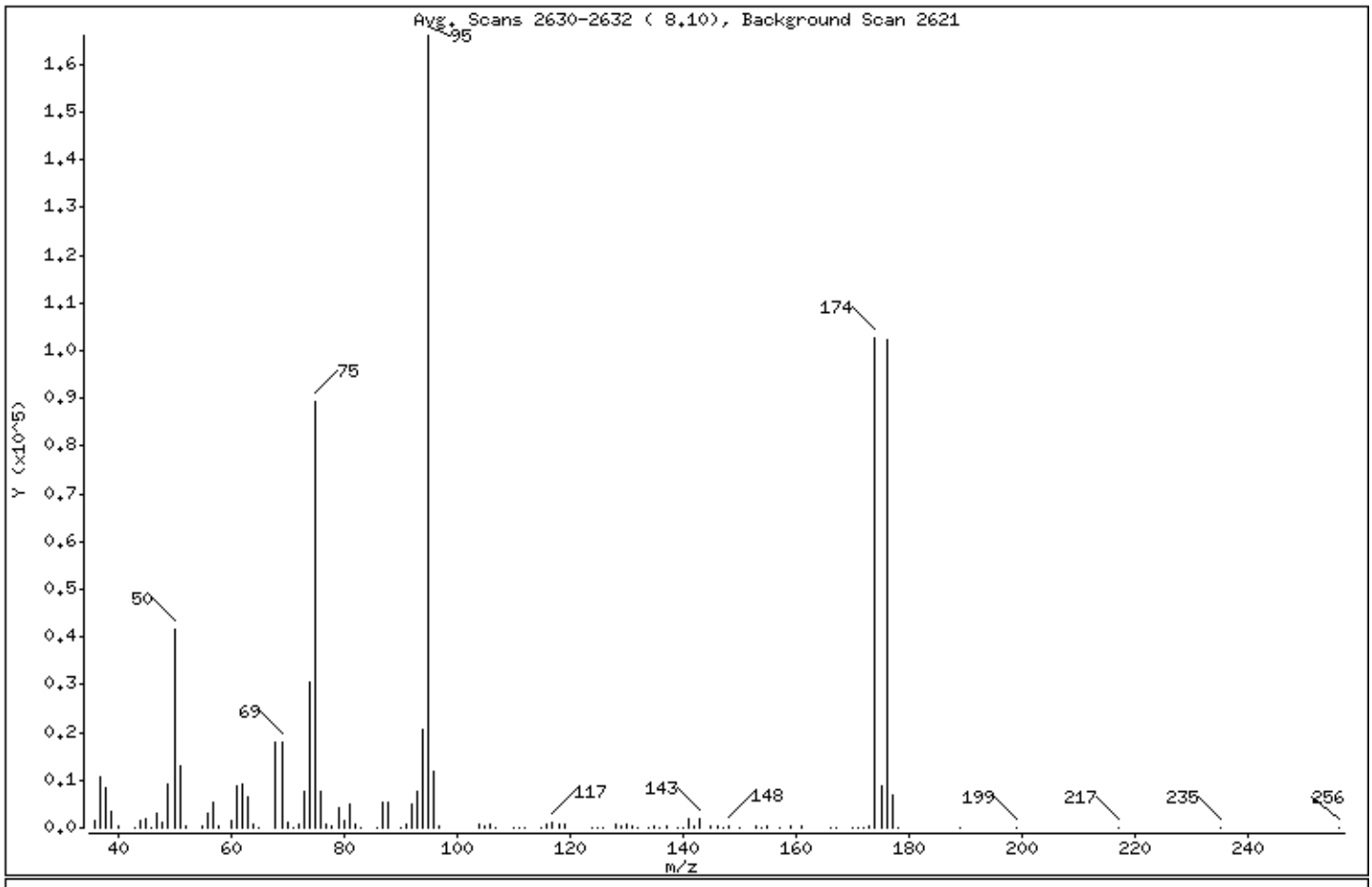
Volume Injected (uL): 5.0

Operator: dae

Column phase: DB-624

Column diameter: 0.18

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	25.15
75	30.00 - 60.00% of mass 95	53.82
96	5.00 - 9.00% of mass 95	7.19
173	Less than 2.00% of mass 174	0.28 (0.46)
174	50.00 - 100.00% of mass 95	61.88
175	5.00 - 9.00% of mass 174	5.31 (8.58)
176	95.00 - 101.00% of mass 174	61.55 (99.47)
177	5.00 - 9.00% of mass 176	4.14 (6.73)

Data File: \\192.168.50.6\chem\50mv2a.i\a070914.b\a00bfb.d

Date : 09-JUL-2014 13:01

Client ID: bfb050 Instrument: 50mv2a.i

Sample Info: 8260-TUNE,72085:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18

Data File: a00bfb.d
Spectrum: Avg. Scans 2630-2632 (8.10), Background Scan 2621
Location of Maximum: 95.00
Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1634	71.00	167	110.00	82	148.00	428
37.00	10737	72.00	906	111.00	123	150.00	73
38.00	8263	73.00	7704	112.00	163	153.00	223
39.00	3618	74.00	30712	115.00	79	154.00	141
40.00	246	75.00	89344	116.00	647	155.00	327
43.00	90	76.00	7491	117.00	1142	157.00	159
44.00	1589	77.00	917	118.00	684	159.00	284
45.00	2081	78.00	406	119.00	901	161.00	234
46.00	54	79.00	4083	124.00	79	166.00	52
47.00	2884	80.00	1341	125.00	84	167.00	98
48.00	1255	81.00	4912	126.00	63	170.00	107
49.00	9027	82.00	841	128.00	696	171.00	127
50.00	41760	83.00	143	129.00	316	172.00	165
51.00	13074	86.00	90	130.00	640	173.00	472
52.00	492	87.00	5453	131.00	225	174.00	102728
55.00	330	88.00	5370	132.00	131	175.00	8812
56.00	3073	90.00	83	134.00	50	176.00	102184
57.00	5492	91.00	597	135.00	363	177.00	6872
58.00	395	92.00	5064	136.00	79	178.00	76
60.00	1554	93.00	7586	137.00	278	189.00	69
61.00	8805	94.00	20664	139.00	57	199.00	96
62.00	9005	95.00	166016	140.00	51	217.00	51
63.00	6566	96.00	11942	141.00	1931	235.00	56
64.00	697	97.00	476	142.00	314	256.00	51
65.00	155	104.00	660	143.00	2032		
68.00	17872	105.00	343	145.00	479		
69.00	18072	106.00	788	146.00	254		
70.00	1217	107.00	68	147.00	124		

Data File: \\192.168.50.6\chem\50mv2a.i\a071614.b\a00bfb.d

Date : 16-JUL-2014 11:40

Client ID: bfb050

Instrument: 50mv2a.i

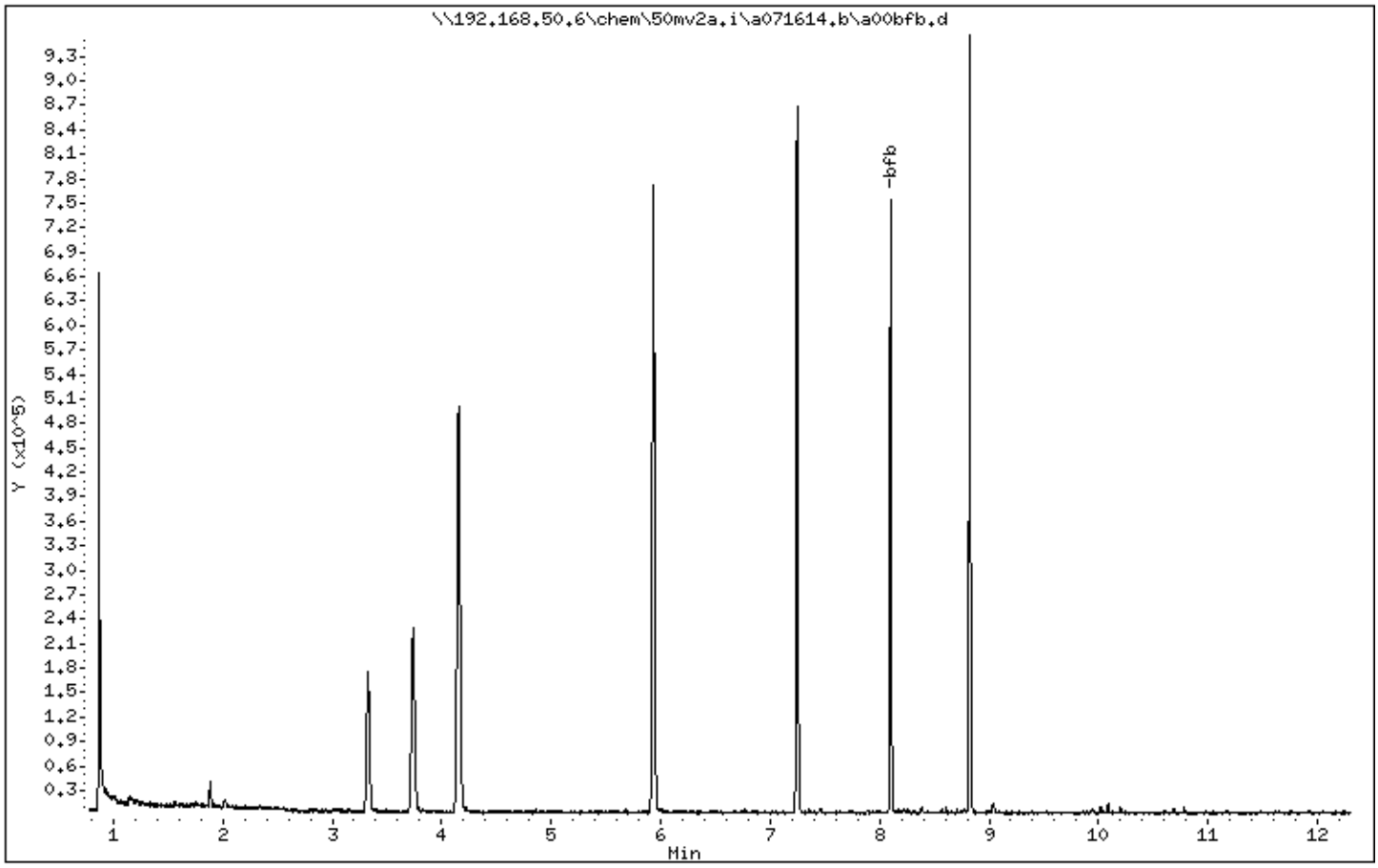
Sample Info: 8260-TUNE,71789:0

Volume Injected (uL): 5.0

Operator: dae

Column phase: DB-624

Column diameter: 0.18



Data File: \\192.168.50.6\chem\50mv2a.i\a071614.b\a00bfb.d

Date : 16-JUL-2014 11:40

Client ID: bfb050

Instrument: 50mv2a.i

Sample Info: 8260-TUNE,71789:0

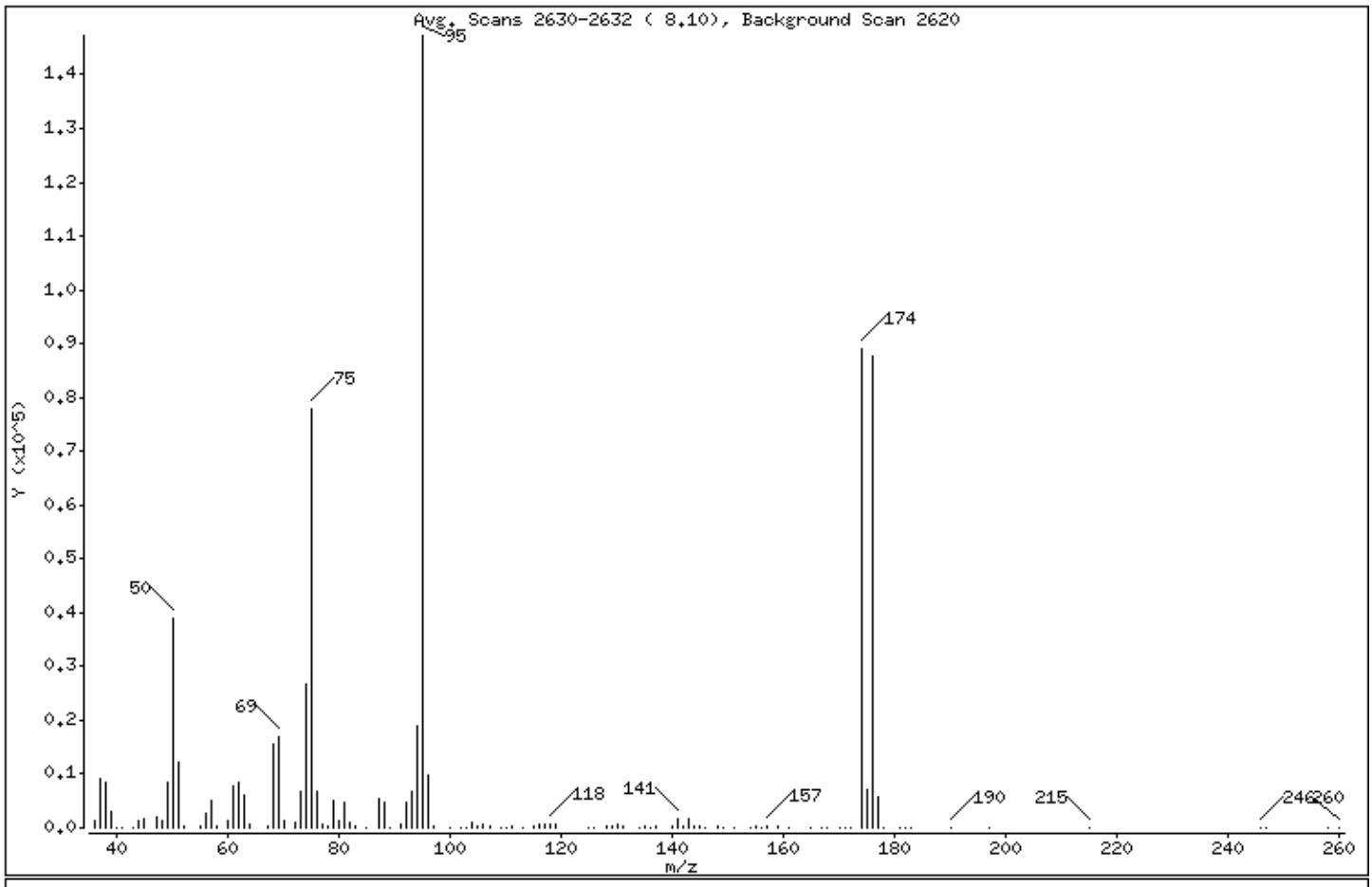
Volume Injected (uL): 5.0

Operator: dae

Column phase: DB-624

Column diameter: 0.18

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	26.51
75	30.00 - 60.00% of mass 95	52.89
96	5.00 - 9.00% of mass 95	6.78
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	60.42
175	5.00 - 9.00% of mass 174	4.77 (7.89)
176	95.00 - 101.00% of mass 174	59.59 (98.63)
177	5.00 - 9.00% of mass 176	4.00 (6.72)

Data File: \\192.168.50.6\chem\50mv2a.i\a071614.b\a00bfb.d

Date : 16-JUL-2014 11:40

Client ID: bfb050 Instrument: 50mv2a.i

Sample Info: 8260-TUNE,71789:0

Volume Injected (uL): 5.0 Operator: dae

Column phase: DB-624 Column diameter: 0.18

Data File: a00bfb.d
Spectrum: Avg. Scans 2630-2632 (8.10), Background Scan 2620
Location of Maximum: 95.00
Number of points: 114

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1519	73.00	6856	109.00	93	154.00	126
37.00	9007	74.00	26864	110.00	161	155.00	387
38.00	8539	75.00	77888	111.00	300	156.00	106
39.00	3107	76.00	6869	113.00	66	157.00	418
40.00	142	77.00	723	115.00	273	159.00	262
41.00	52	78.00	322	116.00	644	161.00	126
43.00	75	79.00	4917	117.00	798	165.00	62
44.00	1219	80.00	1336	118.00	812	167.00	71
45.00	1654	81.00	4607	119.00	791	168.00	129
47.00	2146	82.00	959	125.00	63	170.00	160
48.00	1430	83.00	189	126.00	53	171.00	66
49.00	8318	85.00	58	128.00	471	172.00	85
50.00	39040	87.00	5443	129.00	247	174.00	88976
51.00	12060	88.00	4818	130.00	583	175.00	7023
52.00	419	89.00	79	131.00	200	176.00	87760
55.00	343	91.00	568	134.00	117	177.00	5895
56.00	2771	92.00	4608	135.00	253	178.00	167
57.00	5125	93.00	6674	136.00	60	181.00	50
58.00	284	94.00	18976	137.00	414	182.00	64
60.00	1490	95.00	147264	140.00	329	183.00	83
61.00	7864	96.00	9985	141.00	1740	190.00	53
62.00	8400	97.00	269	142.00	174	197.00	53
63.00	6184	100.00	60	143.00	1612	215.00	69
64.00	660	102.00	55	144.00	200	246.00	63
67.00	298	103.00	55	145.00	188	247.00	55
68.00	15669	104.00	919	146.00	70	258.00	55
69.00	17096	105.00	226	148.00	323	260.00	93
70.00	1196	106.00	668	149.00	50		
72.00	956	107.00	236	151.00	50		

Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a00bfb.d

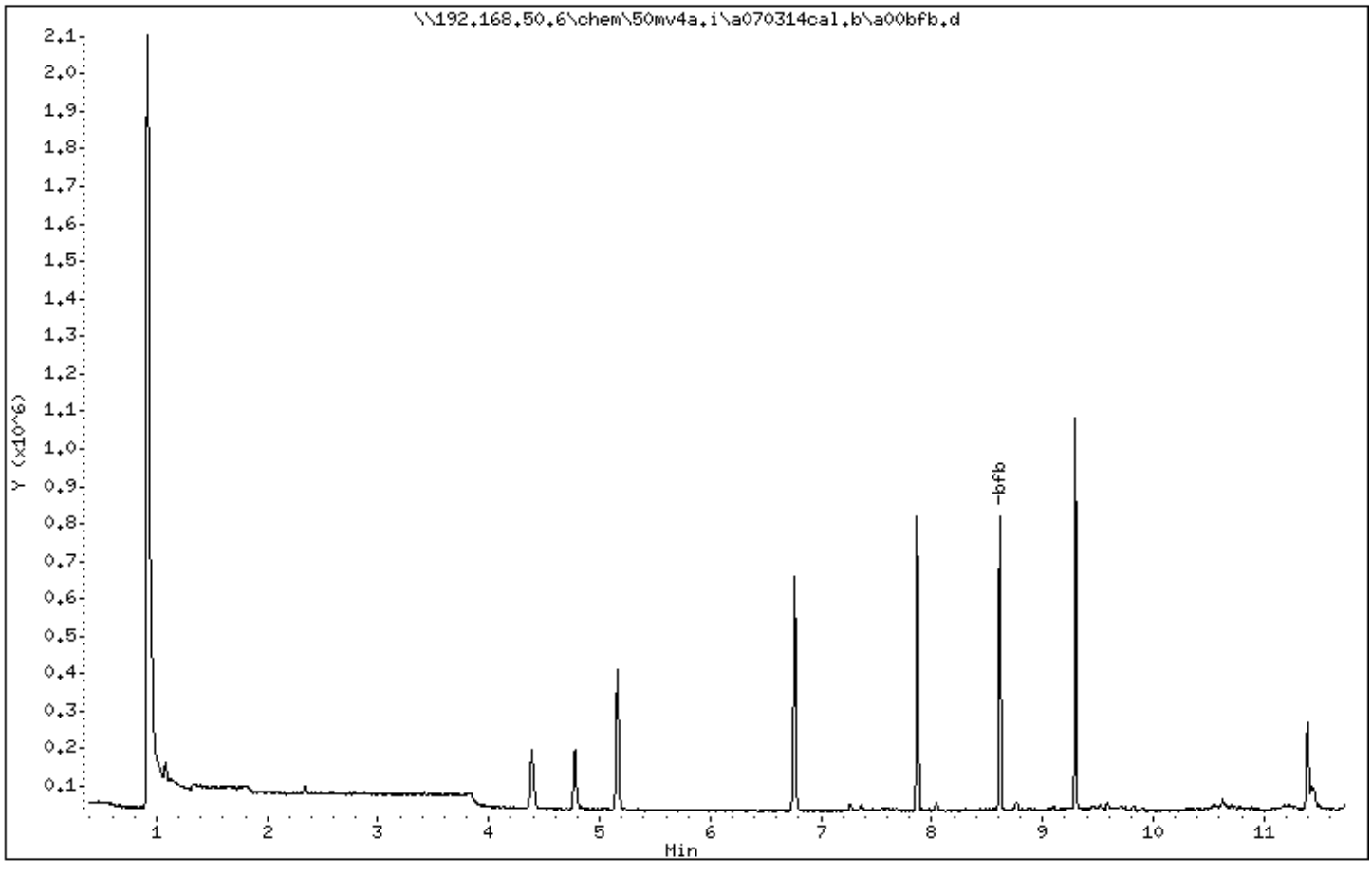
Date : 03-JUL-2014 22:57

Client ID: 8260-TUNE Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv4a.i\a070314cal.b\a00bfb.d

Date : 03-JUL-2014 22:57

Client ID: 8260-TUNE

Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

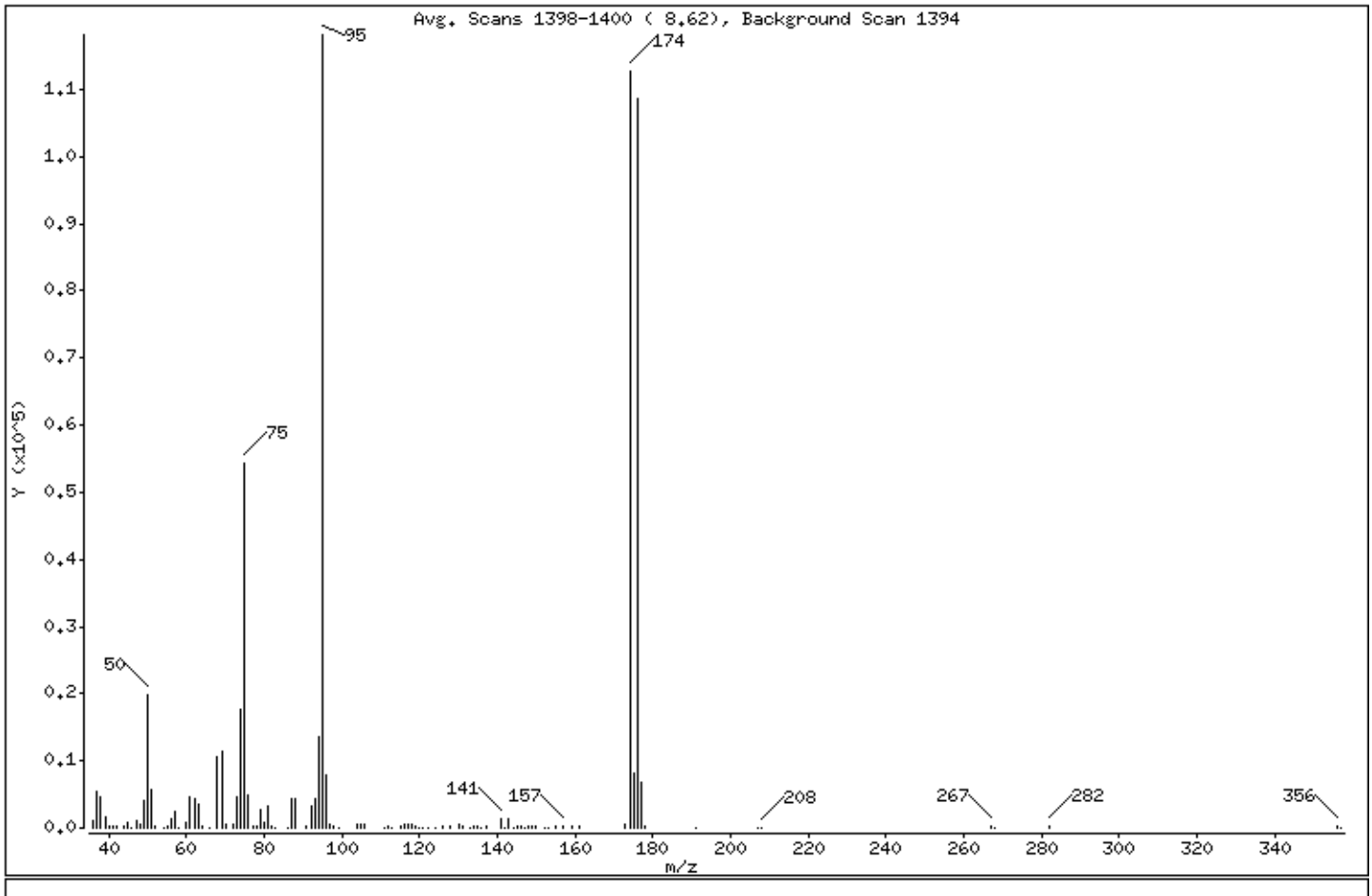
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.76
75	30.00 - 60.00% of mass 95	45.95
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.57 (0.60)
174	50.00 - 100.00% of mass 95	95.37
175	5.00 - 9.00% of mass 174	6.95 (7.28)
176	95.00 - 101.00% of mass 174	92.02 (96.48)
177	5.00 - 9.00% of mass 176	5.75 (6.25)

Date : 03-JUL-2014 22:57

Client ID: 8260-TUNE Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

Data File: a00bfb.d
Spectrum: Avg. Scans 1398-1400 (8.62), Background Scan 1394
Location of Maximum: 95.00
Number of points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1094	69.00	11450	106.00	649	147.00	75
37.00	5372	70.00	646	111.00	31	148.00	307
38.00	4552	72.00	578	112.00	145	149.00	274
39.00	1582	73.00	4728	113.00	66	150.00	236
40.00	291	74.00	17552	115.00	149	152.00	69
41.00	380	75.00	54288	116.00	543	153.00	115
42.00	149	76.00	4862	117.00	624	155.00	328
44.00	229	77.00	352	118.00	417	157.00	329
45.00	740	78.00	203	119.00	261	159.00	168
46.00	122	79.00	2589	120.00	131	161.00	141
47.00	1190	80.00	680	121.00	51	173.00	672
48.00	662	81.00	3214	122.00	51	174.00	112672
49.00	4073	82.00	378	124.00	52	175.00	8207
50.00	19800	83.00	46	126.00	211	176.00	108704
51.00	5746	86.00	125	128.00	324	177.00	6795
52.00	336	87.00	4400	130.00	459	178.00	321
54.00	65	88.00	4258	131.00	314	191.00	50
55.00	226	91.00	216	133.00	126	207.00	88
56.00	1487	92.00	3236	134.00	147	208.00	131
57.00	2369	93.00	4358	135.00	206	267.00	172
58.00	73	94.00	13578	136.00	60	268.00	52
60.00	742	95.00	118136	137.00	259	282.00	189
61.00	4648	96.00	7837	141.00	1377	356.00	146
62.00	4427	97.00	428	142.00	133	357.00	105
63.00	3603	98.00	249	143.00	1229		
64.00	240	99.00	57	144.00	120		
66.00	54	104.00	509	145.00	191		
68.00	10595	105.00	640	146.00	221		

Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b\a01bfb.d

Date : 15-JUL-2014 14:14

Client ID: 8260-TUNE

Instrument: 50mv4a.i

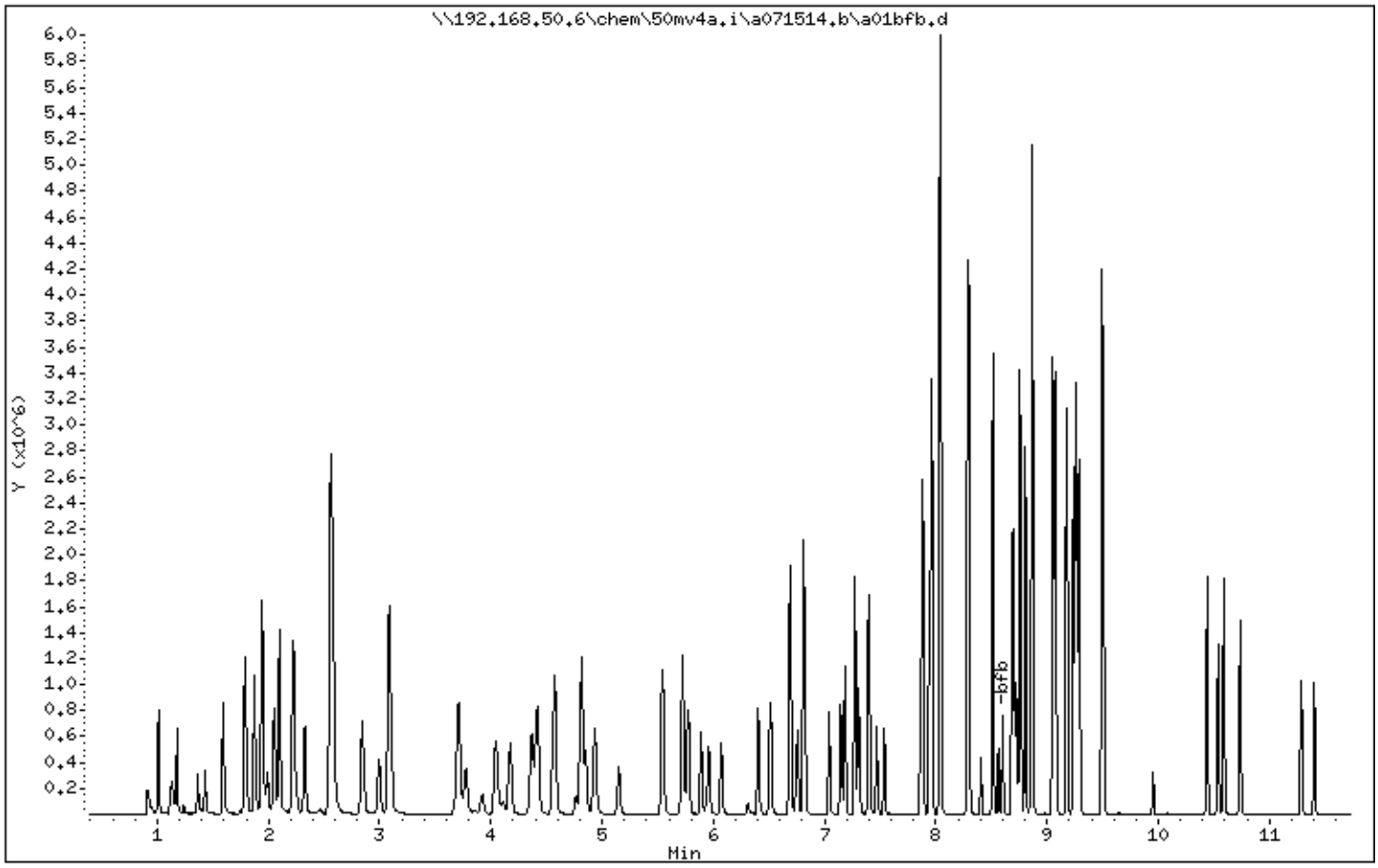
Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b\a01bfb.d

Date : 15-JUL-2014 14:14

Client ID: 8260-TUNE

Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

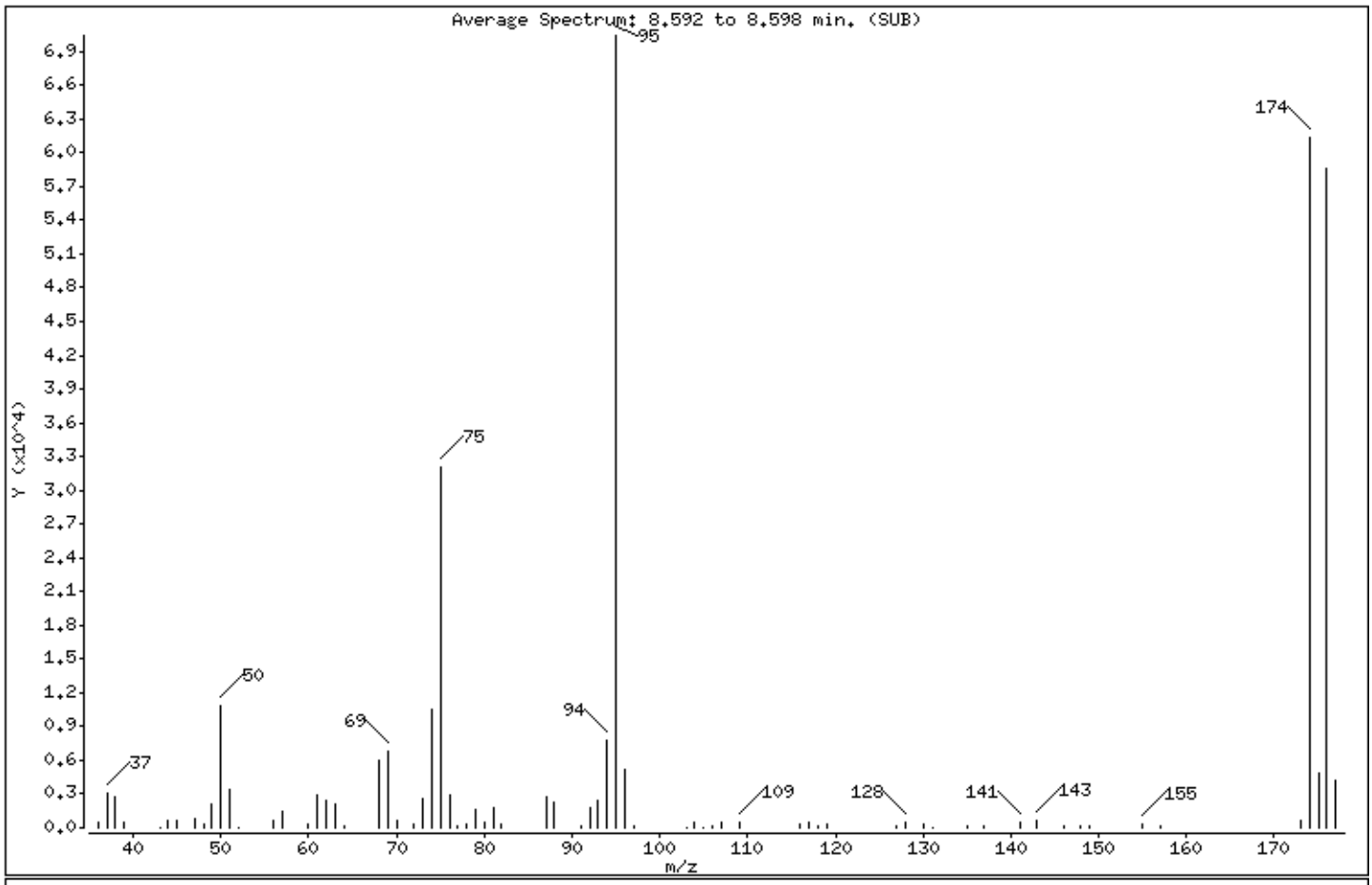
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	15.41
75	30.00 - 60.00% of mass 95	45.48
96	5.00 - 9.00% of mass 95	7.30
173	Less than 2.00% of mass 174	0.83 (0.96)
174	50.00 - 100.00% of mass 95	87.11
175	5.00 - 9.00% of mass 174	6.84 (7.85)
176	95.00 - 101.00% of mass 174	83.10 (95.40)
177	5.00 - 9.00% of mass 176	6.05 (7.27)

Date : 15-JUL-2014 14:14

Client ID: 8260-TUNE Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

Data File: a01bfb.d
Spectrum: Average Spectrum: 8.592 to 8.598 min. (SUB)
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	554	63.00	2178	91.00	94	128.00	466
37.00	3063	64.00	194	92.00	1722	130.00	368
38.00	2749	68.00	5936	93.00	2396	131.00	76
39.00	538	69.00	6720	94.00	7812	135.00	122
43.00	80	70.00	610	95.00	70416	137.00	92
44.00	641	72.00	309	96.00	5141	141.00	452
45.00	704	73.00	2622	97.00	149	143.00	628
47.00	789	74.00	10459	103.00	79	146.00	95
48.00	347	75.00	32024	104.00	496	148.00	106
49.00	2086	76.00	2945	105.00	41	149.00	85
50.00	10854	77.00	149	106.00	159	155.00	312
51.00	3460	78.00	327	107.00	448	157.00	82
52.00	8	79.00	1642	109.00	479	173.00	586
56.00	586	80.00	492	116.00	360	174.00	61344
57.00	1516	81.00	1791	117.00	405	175.00	4817
60.00	353	82.00	370	118.00	190	176.00	58520
61.00	2863	87.00	2777	119.00	382	177.00	4257
62.00	2379	88.00	2341	127.00	103		

Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b\c00bfb.d

Date : 16-JUL-2014 01:28

Client ID: 8260-TUNE

Instrument: 50mv4a.i

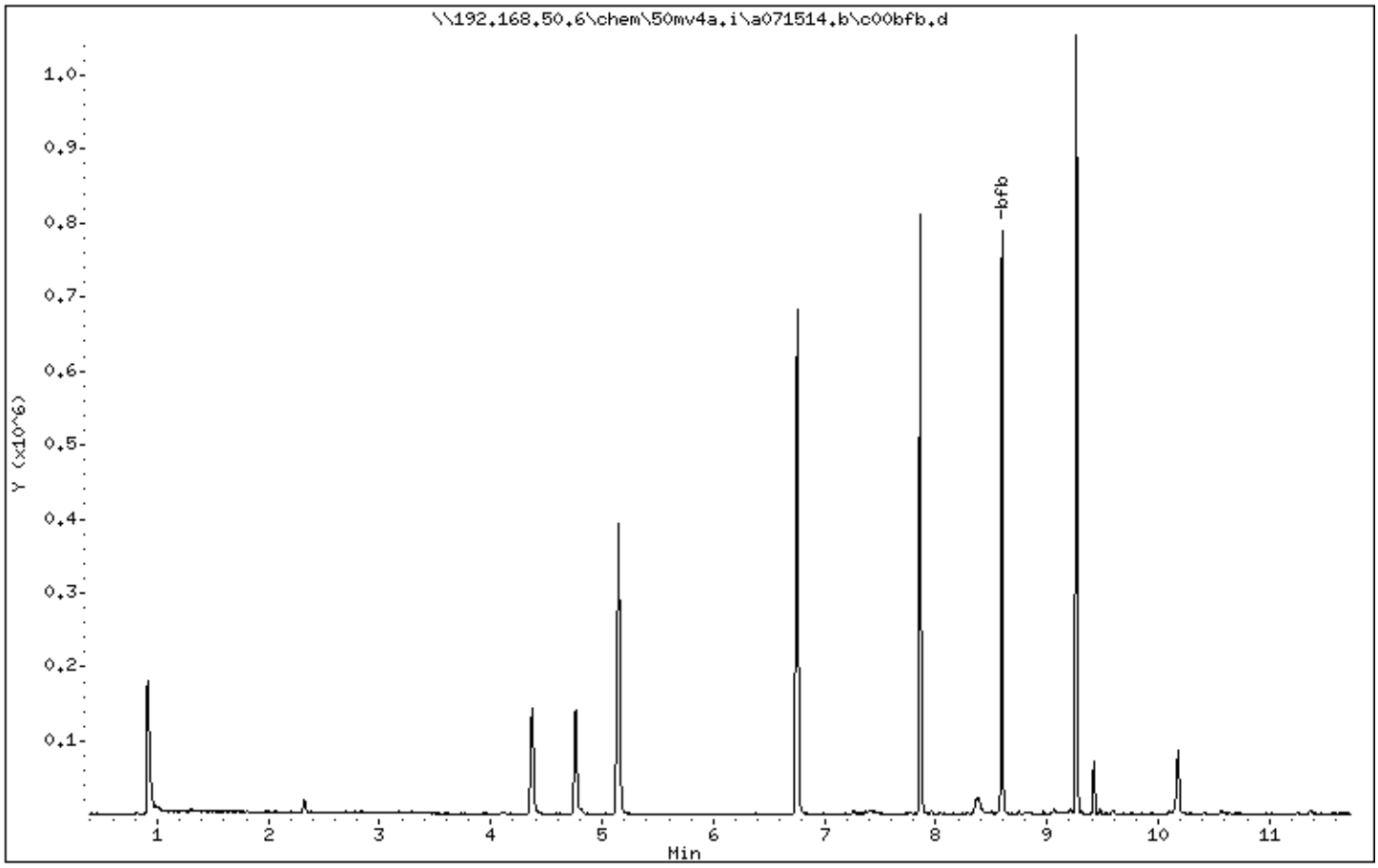
Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50mv4a.i\a071514.b\c00bfb.d

Date : 16-JUL-2014 01:28

Client ID: 8260-TUNE

Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

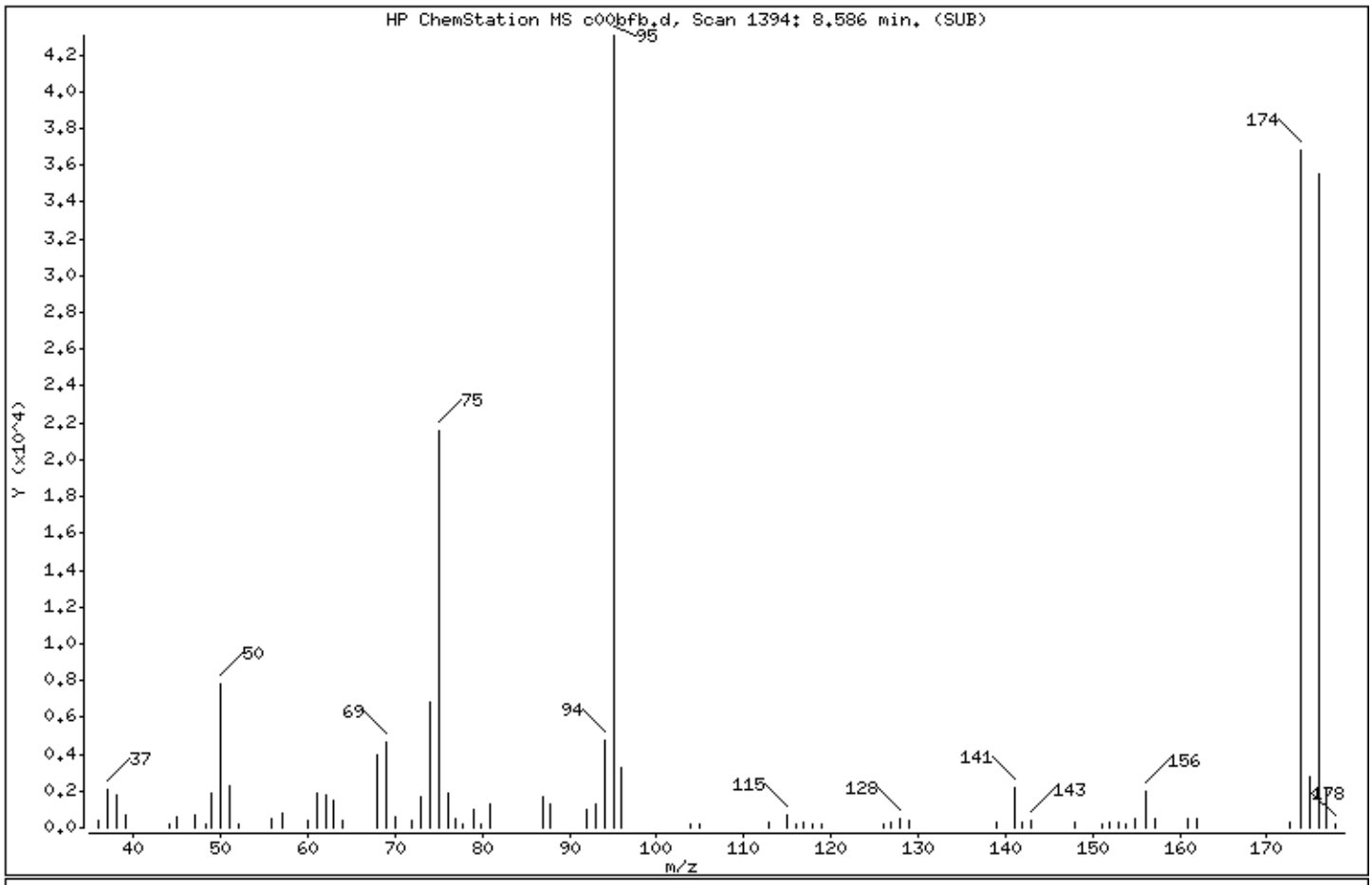
Volume Injected (uL): 1.0

Operator: rsw

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.10
75	30.00 - 60.00% of mass 95	50.10
96	5.00 - 9.00% of mass 95	7.55
173	Less than 2.00% of mass 174	0.60 (0.70)
174	50.00 - 100.00% of mass 95	85.45
175	5.00 - 9.00% of mass 174	6.33 (7.41)
176	95.00 - 101.00% of mass 174	82.49 (96.54)
177	5.00 - 9.00% of mass 176	5.15 (6.24)

Date : 16-JUL-2014 01:28

Client ID: 8260-TUNE Instrument: 50mv4a.i

Sample Info: 8260-TUNE,71907:0

Volume Injected (uL): 1.0 Operator: rsw

Column phase: Column diameter: 2.00

Data File: c00bfb.d
Spectrum: HP ChemStation MS c00bfb.d, Scan 1394: 8.586 min. (SUB)
Location of Maximum: 95.00
Number of points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.90	378	64.00	363	94.00	4708	142.90	413
37.00	2091	68.00	3991	95.00	43048	148.00	299
38.00	1818	69.00	4659	96.00	3252	151.00	206
39.00	712	70.00	621	103.90	182	151.90	307
44.00	201	71.80	392	104.90	157	152.90	318
45.00	600	72.90	1644	112.90	282	153.80	215
47.10	695	74.00	6786	114.90	705	154.90	469
48.20	217	75.00	21568	116.00	179	156.10	1983
48.90	1877	76.00	1881	116.80	261	157.10	485
50.00	7790	76.90	533	117.80	210	160.90	502
51.00	2292	77.80	241	118.90	202	161.90	496
52.10	208	78.90	1007	126.00	179	172.70	259
55.90	483	79.90	211	126.90	275	173.90	36784
57.00	803	80.80	1330	128.00	523	174.90	2725
59.90	365	86.90	1724	128.90	419	175.90	35512
61.00	1870	87.80	1311	139.00	249	176.90	2215
62.00	1817	92.00	959	141.00	2174	177.90	171
63.00	1491	92.90	1251	142.00	294		

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE	L/	BFB	1	7	-bfb/all	7/03/14	22:57	rsw	
1/a01.d	8260-CAL9,71908:	L/66458	CALIB_9	1	<2	-a8260_a_c/all	7/03/14	23:45	rsw	Curved after
1/a02.d	8260-CAL1,71909:	L/66458	CALIB_1	1	<2	-a8260_a_c/all	7/04/14	00:17	rsw	preventative
1/a03.d	8260-CAL2,71910:	L/66458	CALIB_2	1	<2	-a8260_a_c/all	7/04/14	00:49	rsw	Maintenance
1/a03mqc.d	8260-CAL2,71910:	L/66458	MQC	1	<2	-a8260_a_c/all	7/04/14	00:49	rsw	
1/a04.d	8260-CAL3,71911:	L/66458	CALIB_3	1	<2	-a8260_a_c/all	7/04/14	01:21	rsw	
1/a05.d	8260-CAL4,71912;	L/66458	CALIB_4	1	<2	-a8260_a_c/all	7/04/14	01:53	rsw	
1/a05mqc.d	8260-CAL4,71912;	L/66458	MQC	1	<2	-a8260_a_c/all	7/04/14	01:53	rsw	
1/a06.d	8260-CAL5,71913:	L/66458	CALIB_5	1	<2	-a8260_a_c/all	7/04/14	02:25	rsw	
1/a07.d	8260-CAL6,71914:	L/66458	CALIB_6	1	<2	-a8260_a_c/all	7/04/14	02:58	rsw	
1/a08.d	8260-CAL7,71915:	L/66458	CALIB_7	1	<2	-a8260_a_c/all	7/04/14	03:30	rsw	
1/a09.d	8260-CAL8,71916:	L/66458	CALIB_8	1	<2	-a8260_a_c/all	7/04/14	04:02	rsw	
1/a10.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	04:34	rsw	
1/a11icv.d	8260-ICV,71917:0	L/66458	ICV	1	<2	-a8260_a_c/all	7/04/14	05:06	rsw	Curve passes full
1/a12.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	05:39	rsw	
1/c00bfb.d	8260-TUNE,71907:	L/66458	BFB	1	7	-bfb/all	7/04/14	06:11	rsw	
1/c01ccv.d	8260-CCV,71879:0	L/66458	CCALIB_6	1	7	-a8260_a_c/all	7/04/14	06:43	rsw	
1/c02lcs.d	8260-LCS,71787:5	L/	LCS	1	7	-a8260_a_c/all	7/04/14	07:15	rsw	QC passes full
1/c03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	07:48	rsw	
1/c04mb.d	BLANK	L/	BLANK	1	7	-a8260_a_c/all	7/04/14	08:20	rsw	
1/c05	1122043,71787:5	L/66410	MSD	1	<2	-a8260_a_c/all	7/04/14	08:53	rsw	Not spiked
1/c06.d	5099657012x25	L/66480	SAMPLE	25	<2	-a8260_a_c/all	7/04/14	09:25	rsw	
1/c07.d	5099657012x200	L/66480	SAMPLE	200	<2	-a8260_a_c/all	7/04/14	09:58	rsw	
1/c08.d	5099653005x10	L/66480	SAMPLE	10	<2	-a8260_a_c/all	7/04/14	10:30	rsw	
1/c09.d	5099653005x100	L/66480	SAMPLE	100	<2	-a8260_a_c/all	7/04/14	11:03	rsw	
1/c10.d	5099657010	L/66480	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	11:35	rsw	
1/c11.d	5099657010x10	L/66480	SAMPLE	10	<2	-a8260_a_c/all	7/04/14	12:08	rsw	
1/c12.d	5099657011	L/66480	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	12:40	rsw	
1/c13.d	5099653007	L/66407	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	13:13	rsw	
1/c14.d	5099653004	L/66374	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	13:45	rsw	
1/c15.d	5099653006	L/66374	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	14:17	rsw	
1/c16.d	5099657007	L/66407	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	14:50	rsw	
1/c17.d	5099657008	L/66407	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	15:22	rsw	lb pH
1/c18.d	5099657009	L/66407	SAMPLE	1	<2	-a8260_a_c/all	7/04/14	15:54	rsw	

A

C

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

File Path 1: \\192.168.50.6\chem\50mv4a.i\a070314cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:07 07/07/2014

Page: 1

No ms/msd in "C" due to analysts error.

RW 07/07/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c19.d	5099682011	L/66481	SAMPLE	1	<2	-a8260_a(c)all	7/04/14	16:26	rsw	
1/c20.d	5099758001	L/66481	SAMPLE	1	<2	-a8260_a(c)all	7/04/14	16:59	rsw	
1/c21.d	5099758002	L/66481	SAMPLE	1	<2	-a8260_a(c)all	7/04/14	17:31	rsw	

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

File Path 1: \\192.168.50.6\chem\50mv4a.i\a070314cal.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 12:07 07/07/2014

Page: 2

RAW 07/07/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 71788:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,72085:	L/66623	BFB	1	7	-a8260_a_c/all	7/09/14	13:01	dae	
1/a01ccv.d	8260-CCV,72074:0	L/66299	CCALIB_6	1	7	-a8260_a_c/all	7/09/14	13:34	dae	C2C failure/new surrogate used
1/a02lcs.d	8260-LCS,72075:5	L/	CCALIB_6	1	7	-a8260_a_c/all	7/09/14	14:07	dae	
1/a03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/09/14	14:40	dae	
1/a04mb.d	mb	L/	SAMPLE	1	<2	-a8260_a_c/all	7/09/14	15:13	dae	
1/a05cal9.d	8260-CAL9,72086:	L/66623	CALIB_9	1	<2	-a8260_a_c/all	7/09/14	15:46	dae	
1/a06cal1.d	8260-CAL1,72087:	L/66623	CALIB_1	1	<2	-a8260_a_c/all	7/09/14	16:19	dae	
1/a07cal2-mqc.d	8260-mqc1ppb	L/66623	ICV	1	<2	-a8260_a_c/all	7/09/14	16:52	dae	
1/a07cal2.d	8260-CAL2,72088:	L/66623	CALIB_2	1	<2	-a8260_a_c/all	7/09/14	16:52	dae	
1/a08cal3.d	8260-CAL3,72089:	L/66623	CALIB_3	1	<2	-a8260_a_c/all	7/09/14	17:24	dae	
1/a09cal4-mqc.d	8260-mqc5ppb	L/66623	ICV	1	<2	-a8260_a_c/all	7/09/14	17:57	dae	
1/a09cal4.d	8260-CAL4,72090:	L/66623	CALIB_4	1	<2	-a8260_a_c/all	7/09/14	17:57	dae	
1/a10cal5.d	8260-CAL5,72091:	L/66623	CALIB_5	1	<2	-a8260_a_c/all	7/09/14	18:30	dae	
1/a11cal6.d	8260-CAL6,72092:	L/66623	CALIB_6	1	<2	-a8260_a_c/all	7/09/14	19:03	dae	
1/a12cal7.d	8260-CAL7,72093:	L/66623	CALIB_7	1	<2	-a8260_a_c/all	7/09/14	19:36	dae	
1/a13cal8.d	8260-CAL8,72094:	L/66623	CALIB_8	1	<2	-a8260_a_c/all	7/09/14	20:09	dae	
1/a14.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/09/14	20:42	dae	
1/a15icv.d	8260-ICV,72095:5	L/66623	ICV	1	<2	-a8260_a_c/all	7/09/14	21:15	dae	
1/c00bfb.d	8260-TUNE,71789:	L/66623	BFB	1	7	-bfb390/all	7/09/14	21:48	dae	
1/c01bfb-ccv.d	8260-TUNE,71789:	L/66623	BFB	1	7	-bfb390/all	7/09/14	22:20	dae	ccv vs BFB for file c02
1/c01ccv.d	8260-CCV,72084:0	L/66623	CCALIB_6	1	7	-a8260_a_c/all	7/09/14	22:20	dae	pass F/L
1/c02lcs.d	1125196,72075:5	L/66644	LCS	1	7	-a8260_a_c/all	7/09/14	22:53	dae	
1/c03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/09/14	23:26	dae	
1/c04mb.d	1125195	L/66644	BLANK	1	7	-a8260_a_c/all	7/09/14	23:59	dae	
1/c05.d	50100039001,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	00:31	dae	
1/c06.d	50100039001X20,U	L/66644	SAMPLE	20	<2	-a8260_a_c/UST	7/10/14	01:04	dae	
1/c07.d	50100039002X5,US	L/66644	SAMPLE	5	<2	-a8260_a_c/UST	7/10/14	01:37	dae	D3
1/~~c08~~.d	50100039002X50,U	L/66644	SAMPLE	50	<2	-a8260_a_c/UST	7/10/14	02:10	dae	not needed
1/c09.d	50100039003,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	02:42	dae	
1/c10.d	50100039004X5,US	L/66644	SAMPLE	5	<2	-a8260_a_c/UST	7/10/14	03:15	dae	DH
1/c11.d	50100039004X50,U	L/66644	SAMPLE	50	<2	-a8260_a_c/UST	7/10/14	03:48	dae	
1/c12.d	50100039005X5,US	L/66644	SAMPLE	5	<2	-a8260_a_c/UST	7/10/14	04:21	dae	DH
1/c13.d	50100039005X50,U	L/66644	SAMPLE	50	<2	-a8260_a_c/UST	7/10/14	04:54	dae	
1/c14.d	50100039006X10,U	L/66644	SAMPLE	10	<2	-a8260_a_c/UST	7/10/14	05:27	dae	

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

File Path 1: \\192.168.50.6\chem\50mv2a.i\a070914.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:31 07/10/2014

DLS 7-10-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 71788:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c15.d	50100039006X100,	L/66644	SAMPLE	100	<2	-a8260_a_c/UST	7/10/14	06:00	dae	
1/c16.d	50100075007,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	06:33	dae	
1/c17.d	50100075008,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	07:06	dae	
1/c18.d	1125197,72075:5	L/66644	MS	1	<2	-a8260_a_c/UST	7/10/14	07:39	dae	
1/c19.d	50100075009,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	08:12	dae	
1/c20.d	1125198,UST	L/66644	FIELDDUP	1	<2	-a8260_a_c/UST	7/10/14	08:45	dae	
1/c21.d	50100075010,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	09:17	dae	ME 20X
1/c22.d	50100075011,UST	L/66644	SAMPLE	1	<2	-a8260_a_c/UST	7/10/14	09:50	dae	

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

File Path 1: \\192.168.50.6\chem\50mv2a.i\a070914.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 10:31 07/10/2014 Page: 2

DXB 7-10-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:
Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71907:	L/66458	BFB	1	7	-bfb/all	7/15/14	13:42	rsw	wouldn't pass
1/a01bfb.d	8260-TUNE,71907:	L/66458	BFB	1	7	-bfb/all	7/15/14	14:14	rsw	CCV as BFB
1/a01ccv.d	8260-CCV,72183:0	L/66458	CCALIB_6	1	7	-a8260_a_c/all	7/15/14	14:14	rsw	
1/a02lcs.d	8260-LCS,72167:5	L/	LCS	1	7	-a8260_a_c/all	7/15/14	14:46	rsw	DL passes full
1/a03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	15:18	rsw	
1/a04mb.d	BLANK	L/	BLANK	1	7	-a8260_a_c/all	7/15/14	15:50	rsw	
1/a05.d	50100270002	L/66817	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	16:22	rsw	
1/a06.d	50100172006	L/66817	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	16:54	rsw	
1/a07.d	50100243005	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	17:26	rsw	
1/a08.d	50100243004	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	17:58	rsw	
1/a09.d	50100351003	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	18:30	rsw	
1/a10.d	50100243007	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	19:02	rsw	
1/a11.d	50100243006	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	19:34	rsw	
1/a12.d	50100243003	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	20:06	rsw	
1/a13.d	50100322005	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	20:39	rsw	
1/a14.d	50100322006	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	21:11	rsw	
1/a15.d	50100317004	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	21:43	rsw	
1/a16.d	50100322002	L/66816	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	22:15	rsw	
1/a17.d	50100322003	L/66816	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	22:47	rsw	
1/a18.d	50100317001	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/15/14	23:19	rsw	
1/a19.d	1128507,72167:5	L/66864	MS	1	<2	-a8260_a_c/all	7/15/14	23:51	rsw	
1/a20.d	50100317002	L/66864	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	00:23	rsw	
1/a21.d	1128508	L/66864	FIELDDUP	1	<2	-a8260_a_c/all	7/16/14	00:55	rsw	
1/c00bfb.d	8260-TUNE,71907:	L/66458	BFB	1	7	-bfb/all	7/16/14	01:28	rsw	
1/c01ccv.d	8260-CCV,72183:0	L/66458	CCALIB_6	1	7	-a8260_a_c/all	7/16/14	02:00	rsw	DL passes full
1/c02lcs.d	8260-LCS,72167:5	L/	LCS	1	7	-a8260_a_c/all	7/16/14	02:32	rsw	
1/c03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	03:04	rsw	
1/c04mb.d	BLANK	L/	BLANK	1	7	-a8260_a_c/all	7/16/14	03:37	rsw	
1/c05.d	50100317003	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	04:09	rsw	
1/c06.d	50100317005	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	04:42	rsw	
1/c07.d	50100317006	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	05:14	rsw	
1/c08.d	50100317007	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	05:46	rsw	
1/c09.d	50100317008	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	06:19	rsw	
1/c10.d	50100317009	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	06:51	rsw	

A: 1/a09.d – 1/a21.d
C: 1/c00bfb.d – 1/c10.d

DHVAP: 1/a09.d, 1/a13.d

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

File Path 1: \\192.168.50.6\chem\50mv4a.i\a071514.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:31 07/16/2014

RSW 07/16/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv4a.i
Column DB-624 20m X 0.18mm Helium
Misc. Prep Info [L]:
ISTD lot:
Tune std: _____

Method:

Surr. lot: 71234:5
Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c11.d	1128511,72167:5	L/66866	MS	1	<2	-a8260_a_c/all	7/16/14	07:24	rsw	
1/c12.d	1128512,72167:5	L/66866	MSD	1	<2	-a8260_a_c/all	7/16/14	07:56	rsw	
1/c13.d	50100317010	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	08:29	rsw	
1/c14.d	50100317011	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	09:01	rsw	
1/c15.d	50100317012	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	09:34	rsw	
1/c16.d	50100317013	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	10:06	rsw	
1/c17.d	50100317014	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	10:39	rsw	
1/c18.d	50100353001	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	11:10	rsw	
1/c19.d	50100353001x10	L/66866	SAMPLE	10	<2	-a8260_a_c/all	7/16/14	11:39	rsw	
1/c20.d	50100353002	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	12:09	rsw	
1/c21.d	50100360022	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	12:38	rsw	
1/c22.d	50100707001	L/66868	SAMPLE	1.1	<2	-a8260_a_c/all	7/16/14	13:07	rsw	

C

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

File Path 1: \\192.168.50.6\chem\50mv4a.i\a071514.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:31 07/16/2014

Page: 2

RSW 07/16/14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 71788:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/a00bfb.d	8260-TUNE,71789:	L/66623	BFB	1	7	-bfb390/all	7/16/14	11:40	dae	
1/a01ccv.d	8260-CCV,72084:0	L/66623	CCALIB_6	1	7	-a8260_a_c/all	7/16/14	12:13	dae	passes f/c
1/a02lcs.d	1129233,72075:5	L/66913	LCS	1	7	-a8260_a_c/all	7/16/14	12:46	dae	
1/a02lcsx.d	1129235,72075:5	L/66914	LCS	1	7	-a8260_a_c/all	7/16/14	12:46	dae	
1/a03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	13:19	dae	
1/a04mb.d	1129234	L/66914	BLANK	1	7	-a8260_a_c/all	7/16/14	13:52	dae	
1/a04mbx.d	1129232	L/66913	BLANK	1	7	-a8260_a_c/all	7/16/14	13:52	dae	
1/a05.d	50100473015	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	14:25	dae	
1/a06.d	50100428001	L/66913	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	14:57	dae	
1/a07.d	50100453002	L/66913	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	15:30	dae	
1/a08.d	50100244001X10	L/66867	SAMPLE	10	<2	-a8260_a_c/all	7/16/14	16:03	dae	re 100x ↑
1/a09.d	50100244002X10	L/66867	SAMPLE	10	<2	-a8260_a_c/all	7/16/14	16:36	dae	re 100x ↑
1/a10.d OH vial	50100360022	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	17:09	dae	
1/a11.d	50100317003	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	17:42	dae	
1/a12.d	50100353001	L/66866	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	18:15	dae	
1/a13.d	50100473014	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	18:47	dae	
1/a14.d	50100473014X10	L/66914	SAMPLE	10	<2	-a8260_a_c/all	7/16/14	19:20	dae	
1/a15.d	50100473011	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	19:53	dae	
1/a16.d	50100473011X10	L/66914	SAMPLE	10	<2	-a8260_a_c/all	7/16/14	20:26	dae	
1/a17.d	50100603001	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	20:59	dae	
1/a18.d	50100603002	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	21:31	dae	
1/a19.d	1129236	L/66914	FIELDDUP	1	<2	-a8260_a_c/all	7/16/14	22:04	dae	
1/a20.d	50100603003	L/66914	SAMPLE	1	<2	-a8260_a_c/all	7/16/14	22:37	dae	
1/a21.d	1129237,72075:5	L/66914	MS	1	<2	-a8260_a_c/all	7/16/14	23:09	dae	
1/c00bfb.d	8260-TUNE,71789:	L/66623	BFB	1	7	-bfb390/all	7/16/14	23:42	dae	
1/c01ccv.d	8260-CCV,72084:0	L/66623	CCALIB_6	1	7	-a8260_a_c/all	7/17/14	00:14	dae	
1/c02ccv-lcs.d	8260-CCV,72076:0	L/66623	CCALIB_6	1	7	-a8260_a_c/all	7/17/14	00:47	dae	LCS ccv
1/c02lcs.d	1129404,72075:5	L/66932	LCS	1	7	-a8260_a_c/all	7/17/14	00:47	dae	
1/c02lcsx.d	1129243,72075:5	L/66916	LCS	1	7	-a8260_a_c/all	7/17/14	00:47	dae	
1/c03.d	rinse	L/	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	01:20	dae	
1/c04mb.d	1129403	L/66932	BLANK	1	7	-a8260_a_c/all	7/17/14	01:52	dae	Bromomethane @ 3.1 µg/L
1/c04mbx.d	1129242	L/66916	BLANK	1	7	-a8260_a_c/all	7/17/14	01:52	dae	
1/c05.d	50100577010	L/66932	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	02:25	dae	
1/c06.d	50100577007X10	L/66932	SAMPLE	10	<2	-a8260_a_c/all	7/17/14	02:58	dae	DG

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

File Path 1: \\192.168.50.6\chem\50mv2a.i\a071614.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:56 07/17/2014

7-17-14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50mv2a.i
Column DB-624 20m X 0.18mm Helium Method:
Misc. Prep Info [L]: If pH = 0 , then analysis w/i 7 days of collection
ISTD lot: Surr. lot: 71788:5
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	pH	Method/Sublist	Date	Time	Oper	Comments
1/c07.d	50100577007X100	L/66932	SAMPLE	100	<2	-a8260_a_c/all	7/17/14	03:31	dae	
1/c08.d	50100577008X10	L/66932	SAMPLE	10	<2	-a8260_a_c/all	7/17/14	04:04	dae	D4
1/c09.d	50100577008X100	L/66932	SAMPLE	100	<2	-a8260_a_c/all	7/17/14	04:37	dae	
1/c10.d	50100577009X10	L/66932	SAMPLE	10	<2	-a8260_a_c/all	7/17/14	05:10	dae	D4 ~~me~~ SDx T1
1/c11.d	50100603010	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	05:43	dae	
1/c12.d	50100603011	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	06:16	dae	
1/c13.d	50100603012	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	06:49	dae	
1/c14.d	50100603013	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	07:22	dae	
1/c15.d	50100603014	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	07:55	dae	
1/c16.d	50100603015	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	08:28	dae	
1/c17.d	50100603017	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	09:01	dae	
1/c18.d	50100603018	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	09:34	dae	
1/c19.d	50100603016	L/66916	SAMPLE	1	<2	-a8260_a_c/all	7/17/14	10:07	dae	
1/c20.d	1129244,72075:5	L/66916	MS	1	<2	-a8260_a_c/all	7/17/14	10:40	dae	
1/c21.d	1129245,72075:5	L/66916	MSD	1	<2	-a8260_a_c/all	7/17/14	11:13	dae	

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

File Path 1: \\192.168.50.6\chem\50mv2a.i\a071614.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:56 07/17/2014 Page: 2

DKB 7-17-14

MSSV FULL SCAN - FORM II SVOA-1
WATER SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MSS2

LAB SAMPLE ID	SAMPLE NAME	24B6	2FBP	2FPH	NIT5	PHD5	TD14
1124628	1124628BLANK	98	91	31	89	19	92
1124629	1124629LCS	102	88	30	84	20	77
1124630	1124630MS	107	93	51	89	38	79
1124631	1124631MSD	99	85	52	82	41	85
50100317001	TMW-1	84	85	28	83	16	43
50100317002	TMW-2	87	91	27	87	16	55
50100317003	TMW-3	99	88	30	86	18	72
50100317004	TMW-4	95	84	29	83	18	53
50100317005	TMW-5	103	85	32	84	20	58
50100317006	TMW-6	95	84	31	83	19	65
50100317007	TMW-7	101	91	33	89	20	63
50100317008	TMW-8	83	74	26	72	16	50
50100317009	TMW-9	92	81	29	82	18	56
50100317010	TMW-10	99	92	32	90	20	65
50100317011	GW-Dupe	93	87	32	86	20	45
50100317012	GW EQ Blank	89	80	34	81	23	74
50100317014	S-A IDW	93	84	29	84	18	35

	QC LIMITS
(24B6) = 2,4,6-Tribromophenol (S)	(31-161)
(2FBP) = 2-Fluorobiphenyl (S)	(31-118)
(2FPH) = 2-Fluorophenol (S)	(10-67)
(NIT5) = Nitrobenzene-d5 (S)	(29-126)
(PHD5) = Phenol-d5 (S)	(10-47)
(TD14) = p-Terphenyl-d14 (S)	(28-129)

* Values outside of QC Limits

MSSV FULL SCAN - FORM III SVOA-1
WATER LABORATORY CONTROL SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana
Lab Sample ID: 1124629LCS
Date Extracted: 07/09/2014
Date Analyzed (1): 07/10/2014
Instrument: 50MSS2
LCS Lot No: 72013
Lab File ID: 070914B.B\1124629L.D
SDG No.: 50100317

COMPOUND	AMOUNT ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS %REC	QC LIMITS REC.
Acenaphthene	100	91.3	91	45-119
Acenaphthylene	100	90.0	90	46-120
Anthracene	100	92.2	92	50-129
Benzo(a)anthracene	100	78.6	79	54-126
Benzo(a)pyrene	100	75.8	76	59-129
Benzo(b)fluoranthene	100	69.1	69	53-127
Benzo(g,h,i)perylene	100	72.0	72	53-125
Benzo(k)fluoranthene	100	76.3	76	54-125
4-Chloro-3-methylphenol	100	71.5	71	43-113
2-Chlorophenol	100	60.2	60	40-98
Chrysene	100	78.6	79	51-123
Dibenz(a,h)anthracene	100	73.7	74	52-125
2,4-Dinitrotoluene	100	95.1	95	36-126
Fluoranthene	100	85.6	86	51-127
Fluorene	100	105	105	46-124
Indeno(1,2,3-cd)pyrene	100	72.6	73	54-125
2-Methylnaphthalene	100	84.0	84	36-111
Naphthalene	100	80.1	80	39-108
4-Nitrophenol	100	ND	24	10-42
N-Nitroso-di-n-propylamine	100	91.5	91	43-120
Pentachlorophenol	100	71.9	72	31-125
Phenanthrene	100	95.6	96	49-124
Phenol	100	19.7	20	10-37
Pyrene	100	83.8	84	51-127

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-1

WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Pace Analytical - Indiana

Matrix Spike - Sample No: 1124630MS

Date Extracted: 07/09/2014

Date Analyzed (1): 07/10/2014

Instrument: 50MSS2

Lab File ID: 070914B.B\1124630M.D

Parent Sample ID: TMW-9

SDG No.: 50100317

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS %REC	QC LIMITS REC.
2,4-Dinitrotoluene	200	ND	195	98	34-124
2-Chlorophenol	200	ND	155	78	34-106
2-Methylnaphthalene	200	ND	174	87	31-117
4-Chloro-3-methylphenol	200	ND	171	85	41-116
4-Nitrophenol	200	ND	ND	44	10-78
Acenaphthene	200	ND	190	95	37-122
Acenaphthylene	200	ND	189	95	36-125
Anthracene	200	ND	184	92	42-130
Benzo(a)anthracene	200	ND	165	83	43-127
Benzo(a)pyrene	200	ND	160	80	54-111
Benzo(b)fluoranthene	200	ND	145	72	40-129
Benzo(g,h,i)perylene	200	ND	153	77	40-130
Benzo(k)fluoranthene	200	ND	162	81	45-128
Chrysene	200	ND	168	84	40-123
Dibenz(a,h)anthracene	200	ND	157	79	40-130
Fluoranthene	200	ND	169	85	40-131
Fluorene	200	ND	216	108	34-130
Indeno(1,2,3-cd)pyrene	200	ND	154	77	41-130
N-Nitroso-di-n-propylamine	200	ND	197	98	40-115
Naphthalene	200	ND	167	84	31-113
Pentachlorophenol	200	ND	165	82	30-128
Phenanthrene	200	ND	194	97	42-126
Phenol	200	ND	76.0	38	10-65
Pyrene	200	ND	165	83	38-131

Spike Recovery: 0 out of 24 outside limits.

MSSV FULL SCAN - FORM III SVOA-2

WATER SEMI-VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Instrument (2): 50MSS2 Matrix Spike Duplicate - Sample No: 1124631MSD

Lab File ID (2): 070914B.B\1124631D.D Date Analyzed (2): 07/10/2014

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD %REC	%RPD	QC LIMITS	
					RPD	REC.
2,4-Dinitrotoluene	200	190	95	3	0-20	34-124
2-Chlorophenol	200	144	72	8	0-20	34-106
2-Methylnaphthalene	200	159	80	9	0-20	31-117
4-Chloro-3-methylphenol	200	164	82	4	0-20	41-116
4-Nitrophenol	200	ND	48		0-20	10-78
Acenaphthene	200	176	88	8	0-20	37-122
Acenaphthylene	200	174	87	8	0-20	36-125
Anthracene	200	178	89	3	0-20	42-130
Benzo(a)anthracene	200	168	84	2	0-20	43-127
Benzo(a)pyrene	200	165	83	3	0-20	54-111
Benzo(b)fluoranthene	200	145	73	1	0-20	40-129
Benzo(g,h,i)perylene	200	157	78	2	0-20	40-130
Benzo(k)fluoranthene	200	173	87	7	0-20	45-128
Chrysene	200	171	86	2	0-20	40-123
Dibenz(a,h)anthracene	200	163	81	3	0-20	40-130
Fluoranthene	200	167	83	2	0-20	40-131
Fluorene	200	203	101	6	0-20	34-130
Indeno(1,2,3-cd)pyrene	200	159	79	3	0-20	41-130
N-Nitroso-di-n-propylamine	200	179	90	9	0-20	40-115
Naphthalene	200	152	76	10	0-20	31-113
Pentachlorophenol	200	152	76	8	0-20	30-128
Phenanthrene	200	186	93	4	0-20	42-126
Phenol	200	81.1	41	6	0-20	10-65
Pyrene	200	164	82	1	0-20	38-131

RPD: 0 out of 23 outside limits.

Spike Recovery: 0 out of 24 outside limits.

SAMPLE NO.

1124628BLANK

MSSV FULL SCAN - FORM IV SVOA-1
SEMI-VOLATILE METHOD BLANK SUMMARY

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 Contract: Sibley - Accucast

Instrument ID: 50MSS2 Matrix: Water Lab Sample ID: 1124628

Lab File ID: 070914B.B\1124628B.D Date Analyzed: 07/10/2014 Time: 01:01

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	ANALYZED
1124629LCS	1124629	070914B.B\1124629L.D	07/10/2014 01:23
TMW-1	50100317001	070914B.B\50100317001.D	07/10/2014 01:46
TMW-2	50100317002	070914B.B\50100317002.D	07/10/2014 02:09
TMW-3	50100317003	070914B.B\50100317003.D	07/10/2014 02:31
TMW-4	50100317004	070914B.B\50100317004.D	07/10/2014 02:54
TMW-5	50100317005	070914B.B\50100317005.D	07/10/2014 03:17
TMW-6	50100317006	070914B.B\50100317006.D	07/10/2014 03:39
TMW-7	50100317007	070914B.B\50100317007.D	07/10/2014 04:02
TMW-8	50100317008	070914B.B\50100317008.D	07/10/2014 04:24
TMW-9	50100317009	070914B.B\50100317009.D	07/10/2014 04:47
1124630MS	1124630	070914B.B\1124630M.D	07/10/2014 05:09
1124631MSD	1124631	070914B.B\1124631D.D	07/10/2014 05:32
TMW-10	50100317010	070914B.B\50100317010.D	07/10/2014 05:55
GW-Dupe	50100317011	070914B.B\50100317011.D	07/10/2014 06:18
GW EQ Blank	50100317012	070914B.B\50100317012.D	07/10/2014 06:40
S-A IDW	50100317014	070914B.B\50100317014.D	07/10/2014 07:03

MSSV Full Scan - FORM V SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Pace Analytical - Indiana SDG No.: 50100317 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
7006690CAL2	7006690CAL2	063014CAL.B\5PPM.D	06/30/2014	13:34
7006694CAL3	7006694CAL3	063014CAL.B\10PPM.D	06/30/2014	13:56
7006689CAL4	7006689CAL4	063014CAL.B\20PPM.D	06/30/2014	14:19
7006687CAL5	7006687CAL5	063014CAL.B\50PPM.D	06/30/2014	14:42
7006695CAL6	7006695CAL6	063014CAL.B\100PPM.D	06/30/2014	15:04
7006692CAL7	7006692CAL7	063014CAL.B\150PPM.D	06/30/2014	15:27
7006688CAL8	7006688CAL8	063014CAL.B\175PPM.D	06/30/2014	15:49
7006691CAL9	7006691CAL9	063014CAL.B\200PPM.D	06/30/2014	16:12
7006696ICV	7006696ICV	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.: 50100317 Contract: Sibley - Accucast
Lab File ID: 070914B.B\DFTPP-B.D DFTPP Injection Date: 07/09/2014
Instrument ID: 50MSS2 DFTPP Injection Time: 23:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.00 - 60.00% of mass 198	34.33	
68	Less than 2.00% of mass 69	0.66	(1.82)[1]
69	Mass 69 relative abundance	36.58	
70	Less than 2.00% of mass 69	0.00	(0.00)[1]
127	40.00 - 60.00% of mass 198	51.54	
197	Less than 1.00% of mass 198	0.55	
198	Base Peak, 100.00% relative abundance	100.00	
199	5.00 - 9.00% of mass 198	6.91	
275	10.00 - 30.00% of mass 198	23.61	
365	Greater than 1.00% of mass 198	2.60	
441	Present, but less than mass 443	11.67	
442	Greater than 40.00% of mass 198	79.48	
443	17.00 - 23.00% of mass 442	16.46	(20.71)[2]

1 - Value is % mass 69 2 - Value is % mass 442

SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
6945894CCV	6945894CCV	070914B.B\100PPM-B.D	07/09/2014	23:53
1124628BLANK	1124628BLANK	070914B.B\1124628B.D	07/10/2014	01:01
1124629LCS	1124629LCS	070914B.B\1124629L.D	07/10/2014	01:23
TMW-1	50100317001	070914B.B\50100317001.D	07/10/2014	01:46
TMW-2	50100317002	070914B.B\50100317002.D	07/10/2014	02:09
TMW-3	50100317003	070914B.B\50100317003.D	07/10/2014	02:31
TMW-4	50100317004	070914B.B\50100317004.D	07/10/2014	02:54
TMW-5	50100317005	070914B.B\50100317005.D	07/10/2014	03:17
TMW-6	50100317006	070914B.B\50100317006.D	07/10/2014	03:39
TMW-7	50100317007	070914B.B\50100317007.D	07/10/2014	04:02
TMW-8	50100317008	070914B.B\50100317008.D	07/10/2014	04:24
TMW-9	50100317009	070914B.B\50100317009.D	07/10/2014	04:47
1124630MS	1124630MS	070914B.B\1124630M.D	07/10/2014	05:09
1124631MSD	1124631MSD	070914B.B\1124631D.D	07/10/2014	05:32
TMW-10	50100317010	070914B.B\50100317010.D	07/10/2014	05:55
GW-Dupe	50100317011	070914B.B\50100317011.D	07/10/2014	06:18
GW EQ Blank	50100317012	070914B.B\50100317012.D	07/10/2014	06:40
S-A IDW	50100317014	070914B.B\50100317014.D	07/10/2014	07:03

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.: 50100317

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.: 50100317

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.: 50100317

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.: 50100317

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.: 50100317

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	0.21873	0.96235	
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	-0.03598	0.18670	
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.: 50100317

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	0.15881	1.08493	
Hexachloro-1,3-butadiene	Averaged	7.10602			0.19877	
Hexachlorobenzene	Averaged	7.88573			0.28426	
Hexachlorocyclopentadiene	Linear		0.99320	-0.07151	0.29696	
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	-0.02097	0.14980	
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.

MSSV FULL SCAN - FORM VII SVOA-1
MSSV FULL SCAN INITIAL CALIBRATION DATA

7006696ICV

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.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.10980	1.10468	0.0000	9.5546	20.0000
Acenaphthylene	Averaged	1.84139	1.71140	0.0000	6.4812	20.0000
Anthracene	Averaged	1.05789	1.03007	0.0000	4.2397	20.0000
Benzo(a)anthracene	Averaged	1.00012	0.97996	0.0000	7.0121	20.0000
Benzo(a)pyrene	Averaged	1.46542	1.46008	0.0000	8.1878	20.0000
Benzo(b)fluoranthene	Averaged	1.64913	1.65611	0.0000	5.7477	20.0000
Benzo(g,h,i)perylene	Averaged	1.63182	1.60320	0.0000	7.0816	20.0000
Benzo(k)fluoranthene	Averaged	1.67087	1.60178	0.0000	5.9294	20.0000
Benzyl alcohol	Averaged	0.78225	0.80862	0.0000	11.3100	20.0000
4-Bromophenylphenyl ether	Averaged	0.23525	0.23581	0.0000	7.3133	20.0000
Butylbenzylphthalate	Averaged	0.41056	0.41273	0.0000	8.4183	20.0000
4-Chloro-3-methylphenol	Averaged	0.26567	0.26475	0.0000	9.6398	20.0000
4-Chloroaniline	Averaged	0.39025	0.41932	0.0000	5.2730	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.35001	0.35865	0.0000	7.4159	20.0000
bis(2-Chloroethyl) ether	Averaged	1.05059	1.04069	0.0000	7.1665	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.20086	1.31711	0.0000	12.4093	20.0000
2-Chloronaphthalene	Averaged	1.08527	1.09378	0.0000	6.2466	20.0000
2-Chlorophenol	Averaged	1.32979	1.26648	0.0000	7.4158	20.0000
4-Chlorophenylphenyl ether	Averaged	0.64770	0.63746	0.0000	6.3044	20.0000
Chrysene	Averaged	0.94679	0.95611	0.0000	4.6178	20.0000
Dibenz(a,h)anthracene	Averaged	1.52757	1.53702	0.0000	10.0186	20.0000
Dibenzofuran	Averaged	1.62251	1.58037	0.0000	5.5805	20.0000
3,3'-Dichlorobenzidine	Averaged	0.33596	0.39532	0.0000	2.1909	20.0000
2,4-Dichlorophenol	Averaged	0.29844	0.29688	0.0000	9.8050	20.0000
Diethylphthalate	Linear	100	112.8418	0.0000	12.8418	20.0000
2,4-Dimethylphenol	Averaged	0.29285	0.29458	0.0000	8.5273	20.0000
Dimethylphthalate	Averaged	1.26222	1.20528	0.0000	4.3215	20.0000
Di-n-butylphthalate	Averaged	1.11792	1.05954	0.0000	6.0321	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.11740	0.13557	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	0.40121	0.0000	9.6493	20.0000
2,6-Dinitrotoluene	Averaged	0.27109	0.29449	0.0000	10.8410	20.0000
Di-n-octylphthalate	Averaged	1.45927	1.46993	0.0000	10.4834	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.59003	0.60116	0.0000	8.7365	20.0000
Fluoranthene	Averaged	1.16369	1.14970	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.

07/30/2014 8:40

SAMPLE NO.

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN INITIAL CALIBRATION DATA

7006696ICV

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.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19877	0.21698	0.0000	8.1797	20.0000
Hexachlorobenzene	Averaged	0.28426	0.28399	0.0000	4.2808	20.0000
Hexachlorocyclopentadiene	Linear	100	96.90003	0.0500	-3.1000	20.0000
Hexachloroethane	Averaged	0.51252	0.50706	0.0000	4.5387	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.90952	1.82596	0.0000	8.4702	20.0000
Isophorone	Averaged	0.54834	0.53713	0.0000	4.4138	20.0000
2-Methylnaphthalene	Averaged	0.70002	0.65481	0.0000	5.8834	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.10020	1.09584	0.0000	6.8532	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.17805	1.16531	0.0000	6.8441	20.0000
Naphthalene	Averaged	1.00290	0.97665	0.0000	6.3841	20.0000
2-Nitroaniline	Averaged	0.24594	0.25565	0.0000	12.8019	20.0000
3-Nitroaniline	Averaged	0.28721	0.30244	0.0000	11.2638	20.0000
4-Nitroaniline	Averaged	0.31051	0.32760	0.0000	10.5230	20.0000
Nitrobenzene	Averaged	0.28680	0.28800	0.0000	7.8030	20.0000
2-Nitrophenol	Averaged	0.18512	0.18601	0.0000	11.5110	20.0000
4-Nitrophenol	Averaged	0.13263	0.13664	0.0500	10.6355	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.74669	0.73689	0.0500	7.2130	20.0000
N-Nitrosodiphenylamine	Averaged	0.47954	0.56113	0.0000	8.0583	20.0000
Pentachlorophenol	Linear	100	121.7127	0.0000	21.7127	20.0000
Phenanthrene	Averaged	1.01264	1.00325	0.0000	7.3326	20.0000
Phenol	Averaged	1.45901	1.36902	0.0000	6.7919	20.0000
Pyrene	Averaged	1.21231	1.18389	0.0000	8.6318	20.0000
2,4,5-Trichlorophenol	Averaged	0.40577	0.40014	0.0000	10.4817	20.0000
2,4,6-Trichlorophenol	Averaged	0.39243	0.38931	0.0000	11.0701	20.0000
2-Fluorobiphenyl (S)	Averaged	1.28447	1.31886	0.0000	7.8016	20.0000
2-Fluorophenol (S)	Averaged	1.08947	1.18689	0.0000	8.5711	20.0000
Nitrobenzene-d5 (S)	Averaged	0.28142	0.29857	0.0000	9.5919	20.0000
Phenol-d5 (S)	Averaged	1.34578	1.28846	0.0000	8.0551	20.0000
p-Terphenyl-d14 (S)	Averaged	0.79129	0.84890	0.0000	6.0373	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14401	0.15269	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

6945894CCV

Lab Name: Pace Analytical - Indiana Calibration Date: 07/09/2014 Time: 23:53

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 070914B.B\100PPM-B.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Acenaphthene	Averaged	1.10980	1.13724	0.0000	2.4725	20.0000
Acenaphthylene	Averaged	1.84139	1.88957	0.0000	2.6161	20.0000
Anthracene	Averaged	1.05789	1.04994	0.0000	-0.7520	20.0000
Benzo(a)anthracene	Averaged	1.00012	1.01702	0.0000	1.6894	20.0000
Benzo(a)pyrene	Averaged	1.46542	1.53746	0.0000	4.9160	20.0000
Benzo(b)fluoranthene	Averaged	1.64913	1.64987	0.0000	0.0450	20.0000
Benzo(g,h,i)perylene	Averaged	1.63182	1.75061	0.0000	7.2795	20.0000
Benzo(k)fluoranthene	Averaged	1.67087	1.77287	0.0000	6.1049	20.0000
Benzyl alcohol	Averaged	0.78225	0.87280	0.0000	11.5752	20.0000
4-Bromophenylphenyl ether	Averaged	0.23525	0.25509	0.0000	8.4327	20.0000
Butylbenzylphthalate	Averaged	0.41056	0.42794	0.0000	4.2337	20.0000
4-Chloro-3-methylphenol	Averaged	0.26567	0.28359	0.0000	6.7474	20.0000
4-Chloroaniline	Averaged	0.39025	0.40412	0.0000	3.5535	20.0000
bis(2-Chloroethoxy)methane	Averaged	0.35001	0.36136	0.0000	3.2433	20.0000
bis(2-Chloroethyl) ether	Averaged	1.05059	1.10685	0.0000	5.3547	20.0000
bis(2chloro1methylethyl) ether	Averaged	1.20086	1.26135	0.0000	5.0365	20.0000
2-Chloronaphthalene	Averaged	1.08527	1.10195	0.0000	1.5363	20.0000
2-Chlorophenol	Averaged	1.32979	1.39002	0.0000	4.5289	20.0000
4-Chlorophenylphenyl ether	Averaged	0.64770	0.66019	0.0000	1.9293	20.0000
Chrysene	Averaged	0.94679	0.96786	0.0000	2.2251	20.0000
Dibenz(a,h)anthracene	Averaged	1.52757	1.63425	0.0000	6.9837	20.0000
Dibenzofuran	Averaged	1.62251	1.62775	0.0000	0.3229	20.0000
3,3'-Dichlorobenzidine	Averaged	0.33596	0.36549	0.0000	8.7898	20.0000
2,4-Dichlorophenol	Averaged	0.29844	0.31416	0.0000	5.2674	20.0000
Diethylphthalate	Linear	100	113.1584	0.0000	13.1584	20.0000
2,4-Dimethylphenol	Averaged	0.29285	0.28425	0.0000	-2.9364	20.0000
Dimethylphthalate	Averaged	1.26222	1.25895	0.0000	-0.2597	20.0000
Di-n-butylphthalate	Averaged	1.11792	1.10175	0.0000	-1.4464	20.0000
4,6-Dinitro-2-methylphenol	Averaged	0.11740	0.12054	0.0000	2.6737	20.0000
2,4-Dinitrophenol	Linear	100	80.08698	0.0500	-19.9130	20.0000
2,4-Dinitrotoluene	Averaged	0.37503	0.39653	0.0000	5.7336	20.0000
2,6-Dinitrotoluene	Averaged	0.27109	0.29277	0.0000	7.9980	20.0000
Di-n-octylphthalate	Averaged	1.45927	1.53334	0.0000	5.0756	20.0000
bis(2-Ethylhexyl)phthalate	Averaged	0.59003	0.61661	0.0000	4.5041	20.0000
Fluoranthene	Averaged	1.16369	1.16354	0.0000	-0.0124	20.0000
Fluorene	Linear	100	109.3760	0.0000	9.3761	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.

6945894CCV

MSSV FULL SCAN - FORM VII SVOA-2
MSSV FULL SCAN CONTINUING CALIBRATION DATA

Lab Name: Pace Analytical - Indiana Calibration Date: 07/09/2014 Time: 23:53

Instrument ID: 50MSS2 GC Column: Col 1 Init. Calib. Date(s): 06/30/2014 06/30/2014

Lab File ID: 070914B.B\100PPM-B.D Init. Calib. Time(s): 13:34 16:12

SDG No.: 50100317

COMPOUND	CURVE	$\overline{\text{RRF}}$ or Amount	RRF or Amount	MIN RRF	%D	MAX %D
Hexachloro-1,3-butadiene	Averaged	0.19877	0.20723	0.0000	4.2603	20.0000
Hexachlorobenzene	Averaged	0.28426	0.30112	0.0000	5.9295	20.0000
Hexachlorocyclopentadiene	Linear	100	87.47644	0.0500	-12.5236	20.0000
Hexachloroethane	Averaged	0.51252	0.53236	0.0000	3.8710	20.0000
Indeno(1,2,3-cd)pyrene	Averaged	1.90952	2.06160	0.0000	7.9643	20.0000
Isophorone	Averaged	0.54834	0.56443	0.0000	2.9338	20.0000
2-Methylnaphthalene	Averaged	0.70002	0.72315	0.0000	3.3043	20.0000
2-Methylphenol(o-Cresol)	Averaged	1.10020	1.12290	0.0000	2.0628	20.0000
3&4-Methylphenol(m&p Cresol)	Averaged	1.17805	1.25943	0.0000	6.9076	20.0000
Naphthalene	Averaged	1.00290	1.02429	0.0000	2.1327	20.0000
2-Nitroaniline	Averaged	0.24594	0.26650	0.0000	8.3625	20.0000
3-Nitroaniline	Averaged	0.28721	0.30379	0.0000	5.7719	20.0000
4-Nitroaniline	Averaged	0.31051	0.32467	0.0000	4.5597	20.0000
Nitrobenzene	Averaged	0.28680	0.29852	0.0000	4.0859	20.0000
2-Nitrophenol	Averaged	0.18512	0.20061	0.0000	8.3627	20.0000
4-Nitrophenol	Averaged	0.13263	0.14132	0.0500	6.5538	20.0000
N-Nitroso-di-n-propylamine	Averaged	0.74669	0.81180	0.0500	8.7192	20.0000
N-Nitrosodiphenylamine	Averaged	0.47954	0.50765	0.0000	5.8623	20.0000
Pentachlorophenol	Linear	100	91.00851	0.0000	-8.9915	20.0000
Phenanthrene	Averaged	1.01264	1.04694	0.0000	3.3872	20.0000
Phenol	Averaged	1.45901	1.53108	0.0000	4.9396	20.0000
Pyrene	Averaged	1.21231	1.19829	0.0000	-1.1565	20.0000
2,4,5-Trichlorophenol	Averaged	0.40577	0.43892	0.0000	8.1709	20.0000
2,4,6-Trichlorophenol	Averaged	0.39243	0.42445	0.0000	8.1596	20.0000
2-Fluorobiphenyl (S)	Averaged	1.28447	1.33641	0.0000	4.0437	20.0000
2-Fluorophenol (S)	Averaged	1.08947	1.12030	0.0000	2.8306	20.0000
Nitrobenzene-d5 (S)	Averaged	0.28142	0.29590	0.0000	5.1479	20.0000
Phenol-d5 (S)	Averaged	1.34578	1.44108	0.0000	7.0813	20.0000
p-Terphenyl-d14 (S)	Averaged	0.79129	0.76799	0.0000	-2.9448	20.0000
2,4,6-Tribromophenol (S)	Averaged	0.14401	0.16423	0.0000	14.0362	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.: 50100317 Contract: Sibley - Accucast

Sample ID : 6945894CCV Init. Calib. Date: 06/30/2014 Time: 06/30/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 07/09/2014

Lab File ID: 070914B.B\100PPM-B.D Time Analyzed: 23:53

		AREA ANT	RT	AREA CRY	RT	AREA DCB	RT	AREA NPT	RT
12 HOUR STD		461317	9.936	958606	14.471	195277	4.666	800313	6.578
UPPER LIMIT		922634	10.436	1917212	14.971	390554	5.166	1600626	7.078
LOWER LIMIT		230658.5	9.436	479303	13.971	97638.5	4.166	400156.5	6.078
LAB SAMPLE ID	SAMPLE NO.								
1124628	1124628BLANK	349564	9.936	678668	14.459	157350	4.666	611788	6.572
1124629	1124629LCS	439415	9.936	791387	14.465	183779	4.666	746961	6.572
1124630	1124630MS	401031	9.936	729027	14.465	169987	4.666	700741	6.572
1124631	1124631MSD	413082	9.936	758467	14.465	172931	4.666	698405	6.572
50100317001	TMW-1	357507	9.936	702802	14.46	166475	4.666	634133	6.572
50100317002	TMW-2	297293	9.936	692340	14.459	145987	4.666	545788	6.572
50100317003	TMW-3	378498	9.936	718833	14.459	167867	4.666	656455	6.572
50100317004	TMW-4	394783	9.936	698344	14.459	169350	4.666	669265	6.572
50100317005	TMW-5	475230	9.936	819535	14.46	191411	4.666	785497	6.572
50100317006	TMW-6	408987	9.936	743915	14.46	175732	4.666	700904	6.572
50100317007	TMW-7	400756	9.936	721055	14.46	172841	4.666	689961	6.572
50100317008	TMW-8	430541	9.936	745870	14.459	184416	4.666	737931	6.572
50100317009	TMW-9	468239	9.936	842921	14.46	184669	4.666	748338	6.572
50100317010	TMW-10	412095	9.936	731444	14.459	177880	4.666	707343	6.572
50100317011	GW-Dupe	410893	9.936	738899	14.459	176819	4.666	698872	6.572
50100317012	GW EQ Blank	444739	9.936	768608	14.465	176544	4.666	717063	6.572
50100317014	S-A IDW	356957	9.936	837456	14.46	159603	4.666	613728	6.572

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.: 50100317 Contract: Sibley - Accucast

Sample ID : 6945894CCV Init. Calib. Date: 06/30/2014 Time: 06/30/2014

Instrument ID: 50MSS2 GC Column: Col 1 Date Analyzed: 07/09/2014

Lab File ID: 070914B.B\100PPM-B.D Time Analyzed: 23:53

		AREA PHN	RT	AREA PYL	RT
12 HOUR STD		824555	11.66	663765	16.083
UPPER LIMIT		1649110	12.16	1327530	16.583
LOWER LIMIT		412277.5	11.16	331882.5	15.583
LAB SAMPLE ID	SAMPLE NO.				
1124628	1124628BLANK	607319	11.654	489487	16.083
1124629	1124629LCS	792118	11.654	548810	16.077
1124630	1124630MS	717943	11.654	519926	16.077
1124631	1124631MSD	755625	11.654	522562	16.083
50100317001	TMW-1	607635	11.654	519361	16.083
50100317002	TMW-2	540428	11.654	504031	16.083
50100317003	TMW-3	645701	11.654	526387	16.083
50100317004	TMW-4	676140	11.654	503378	16.077
50100317005	TMW-5	861413	11.654	540705	16.077
50100317006	TMW-6	692446	11.654	528248	16.083
50100317007	TMW-7	692933	11.654	514952	16.083
50100317008	TMW-8	750561	11.654	525486	16.077
50100317009	TMW-9	873106	11.654	529857	16.083
50100317010	TMW-10	723945	11.654	518673	16.077
50100317011	GW-Dupe	719525	11.654	521418	16.083
50100317012	GW EQ Blank	823529	11.654	513744	16.083
50100317014	S-A IDW	665773	11.654	601528	16.083

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

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 : 28-Jul-2014 12:57 cmanuputy 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

	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)	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

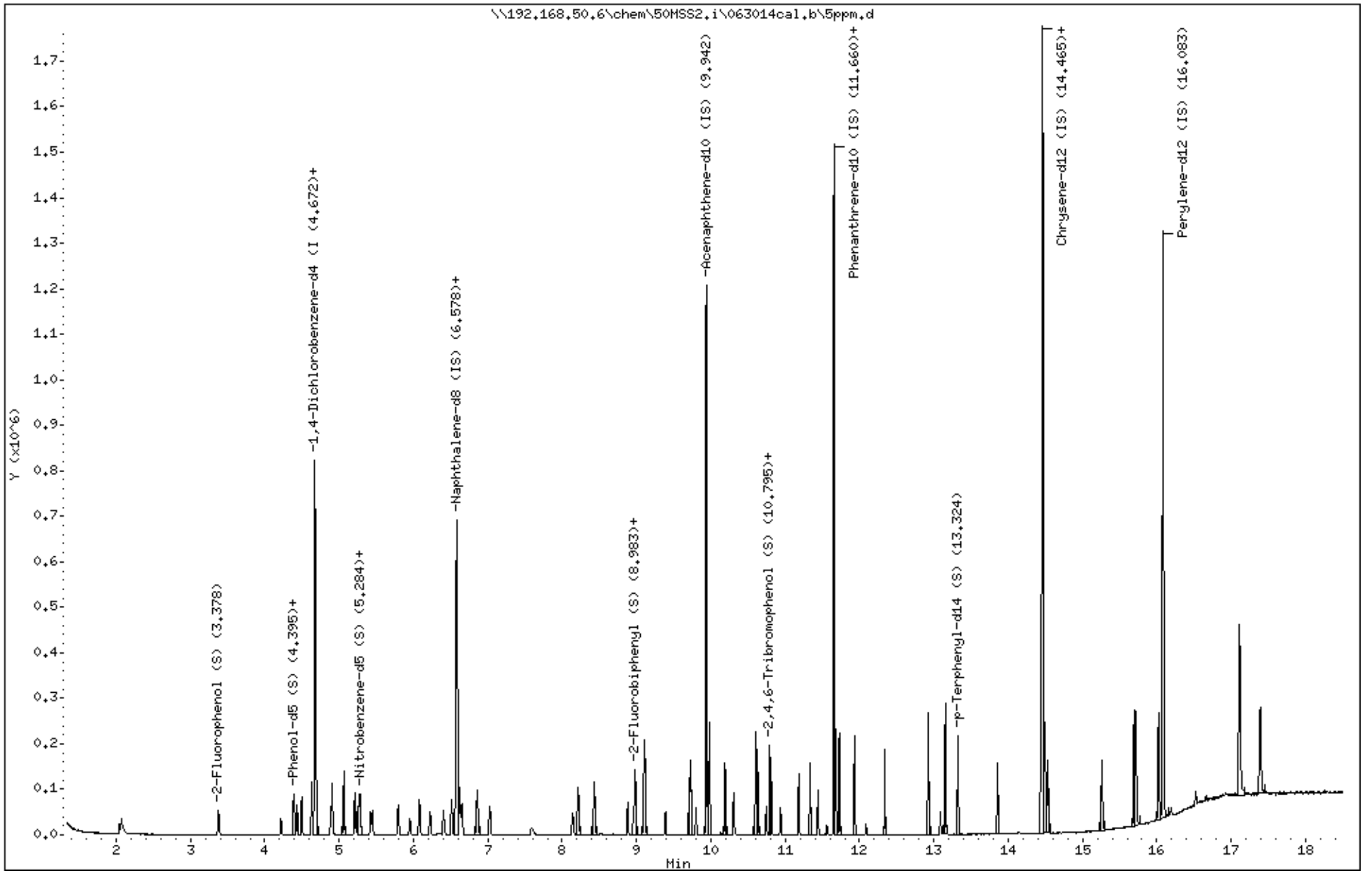
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	79 Pyrene	202	13.153	13.153	(1.128)	121172	5.00000	6.20
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	72768	5.00000	5.91
	81 Butylbenzylphthalate	149	13.853	13.853	(0.958)	44658	5.00000	5.55
	82 Benzo(a)anthracene	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.

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 : 28-Jul-2014 12:57 cmanuputy 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)	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

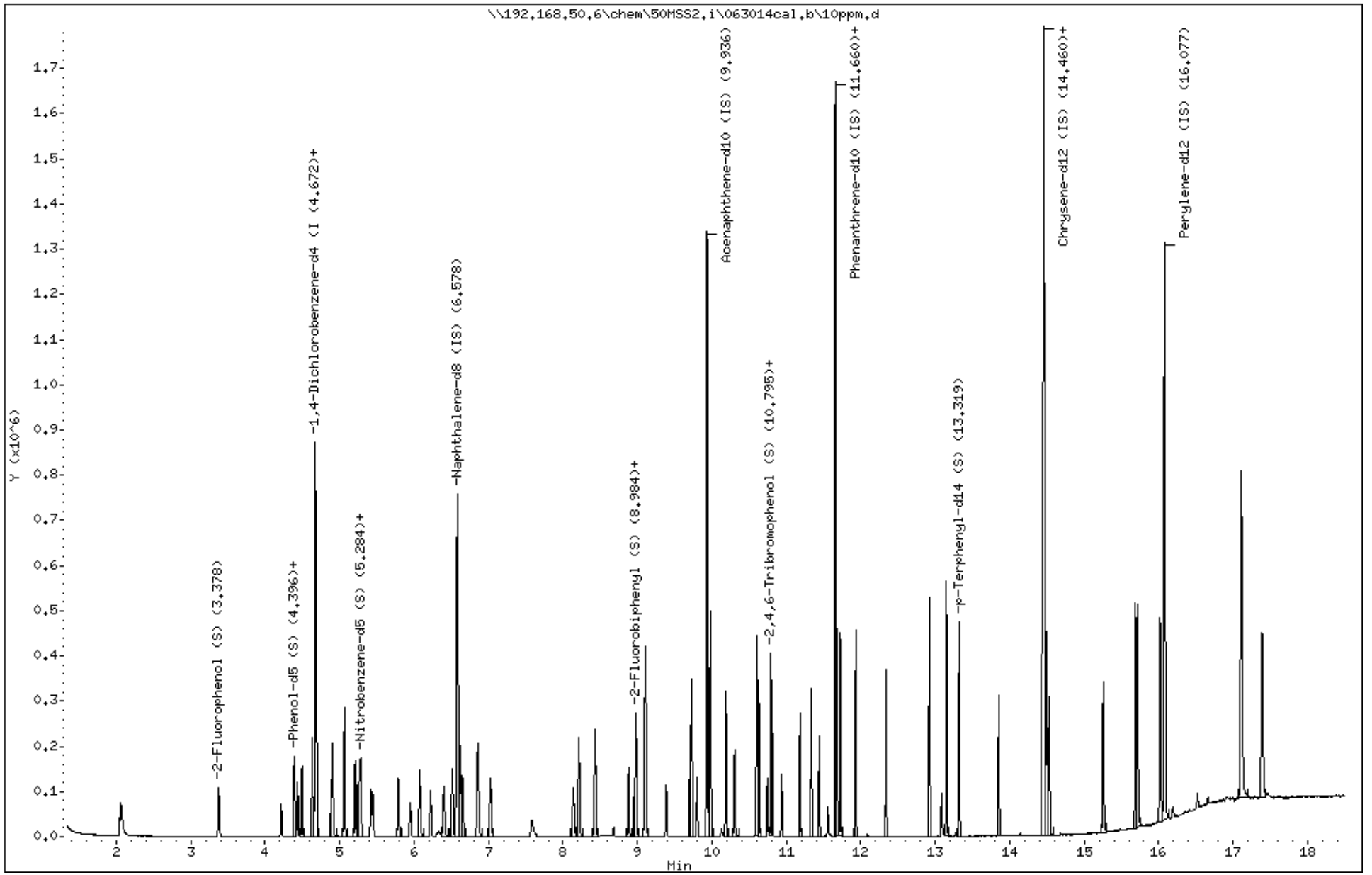
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.089	(1.122)	50795	10.0000	7.38
	79 Pyrene	202	13.147	13.153	(1.128)	242679	10.0000	11.20
$	80 p-Terphenyl-d14 (S)	244	13.318	13.324	(1.142)	145612	10.0000	10.66
	81 Butylbenzylphthalate	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.

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 : 28-Jul-2014 12:57 cmanuputy 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

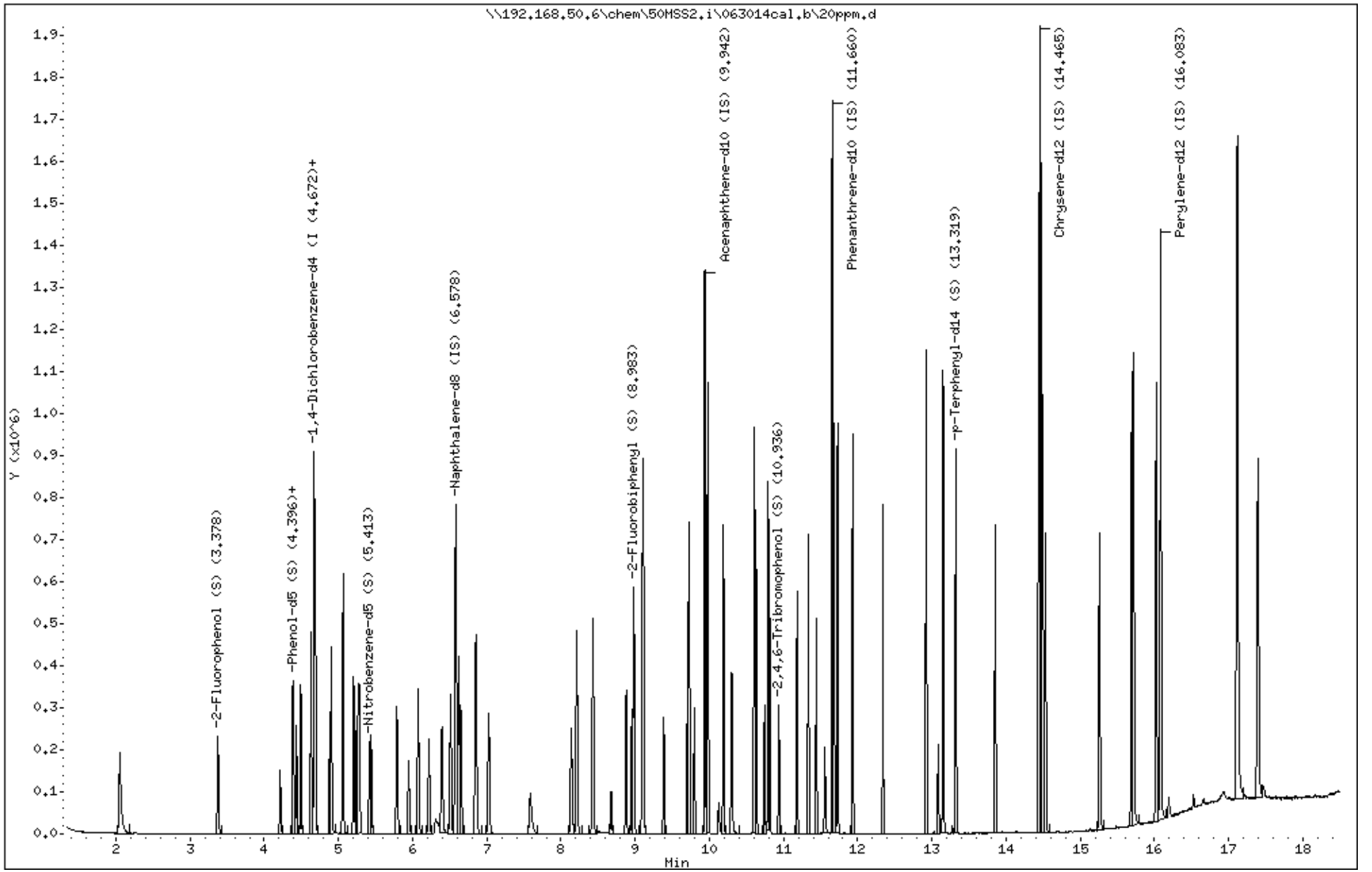
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.083	13.089	(1.122)	104905	20.0000	19.90
	79 Pyrene	202	13.147	13.153	(1.128)	505174	20.0000	23.06
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	311595	20.0000	22.57
	81 Butylbenzylphthalate	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.

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 : 28-Jul-2014 12:57 cmanuputy 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

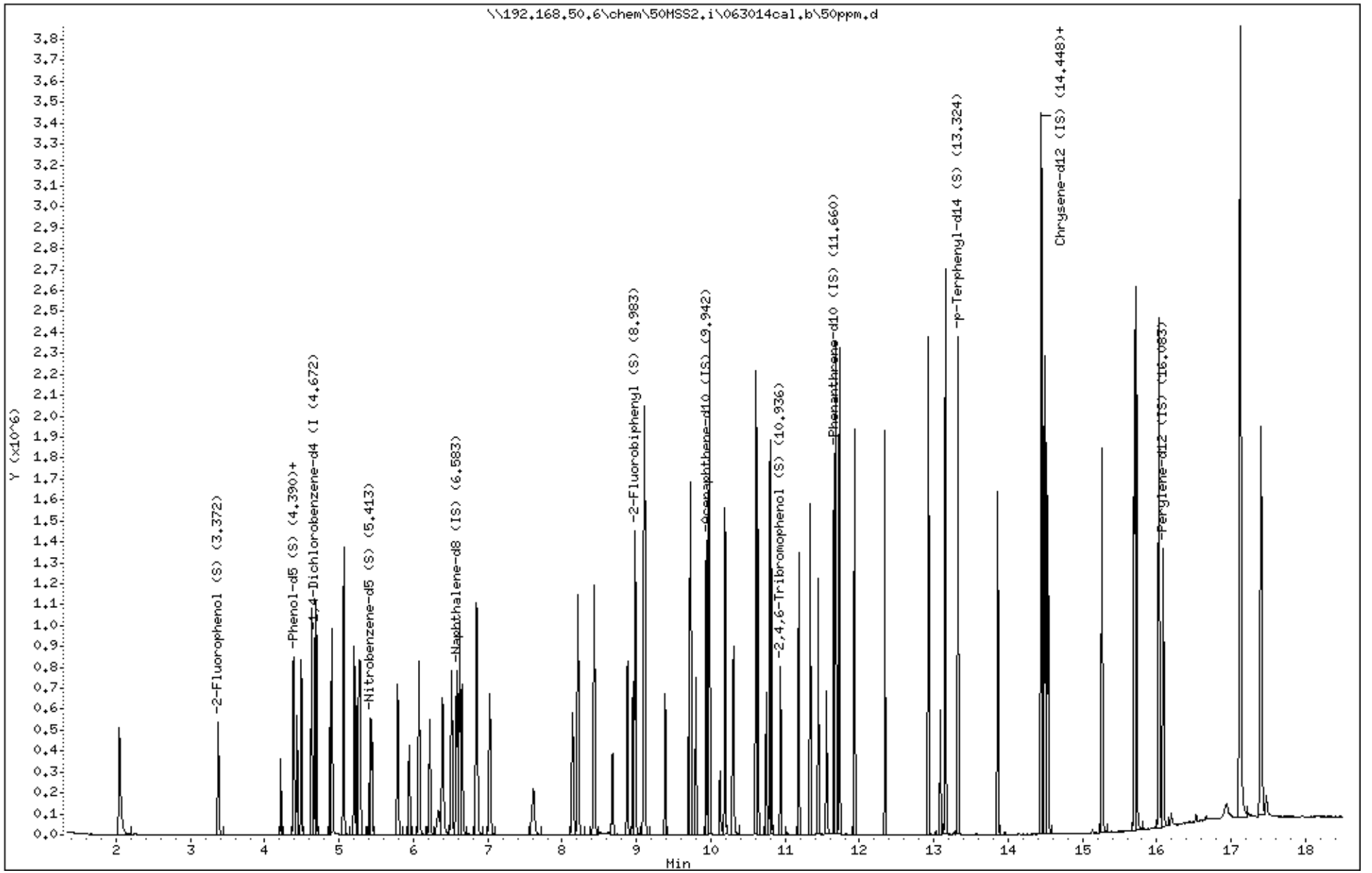
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	Hexachloroethane	117	5.283	5.283	(1.131)	105215	50.0000	50.36
$ 23	Nitrobenzene-d5 (S)	82	5.412	5.419	(0.822)	225427	50.0000	50.59
24	Nitrobenzene	77	5.442	5.442	(0.827)	230427	50.0000	50.74
25	Isophorone	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.

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 : 28-Jul-2014 12:57 cmanuputy 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)	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

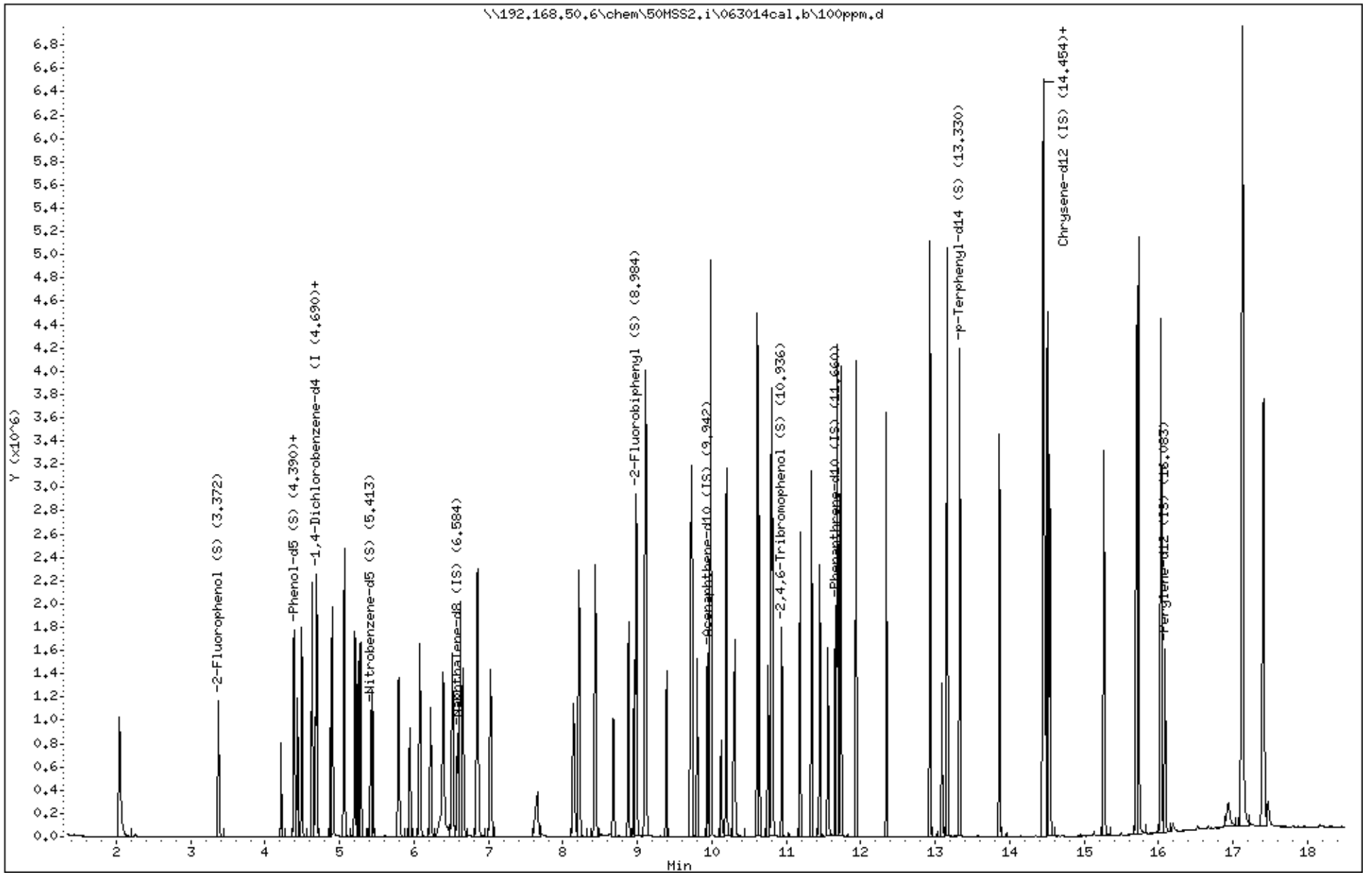
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	79 Pyrene	202	13.159	13.153	(1.129)	2260163	100.000	95.57
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	1459862	100.000	94.57
	81 Butylbenzylphthalate	149	13.859	13.853	(0.958)	959442	100.000	96.42
	82 Benzo(a)anthracene	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.

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 : 28-Jul-2014 12:57 cmanuputy 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

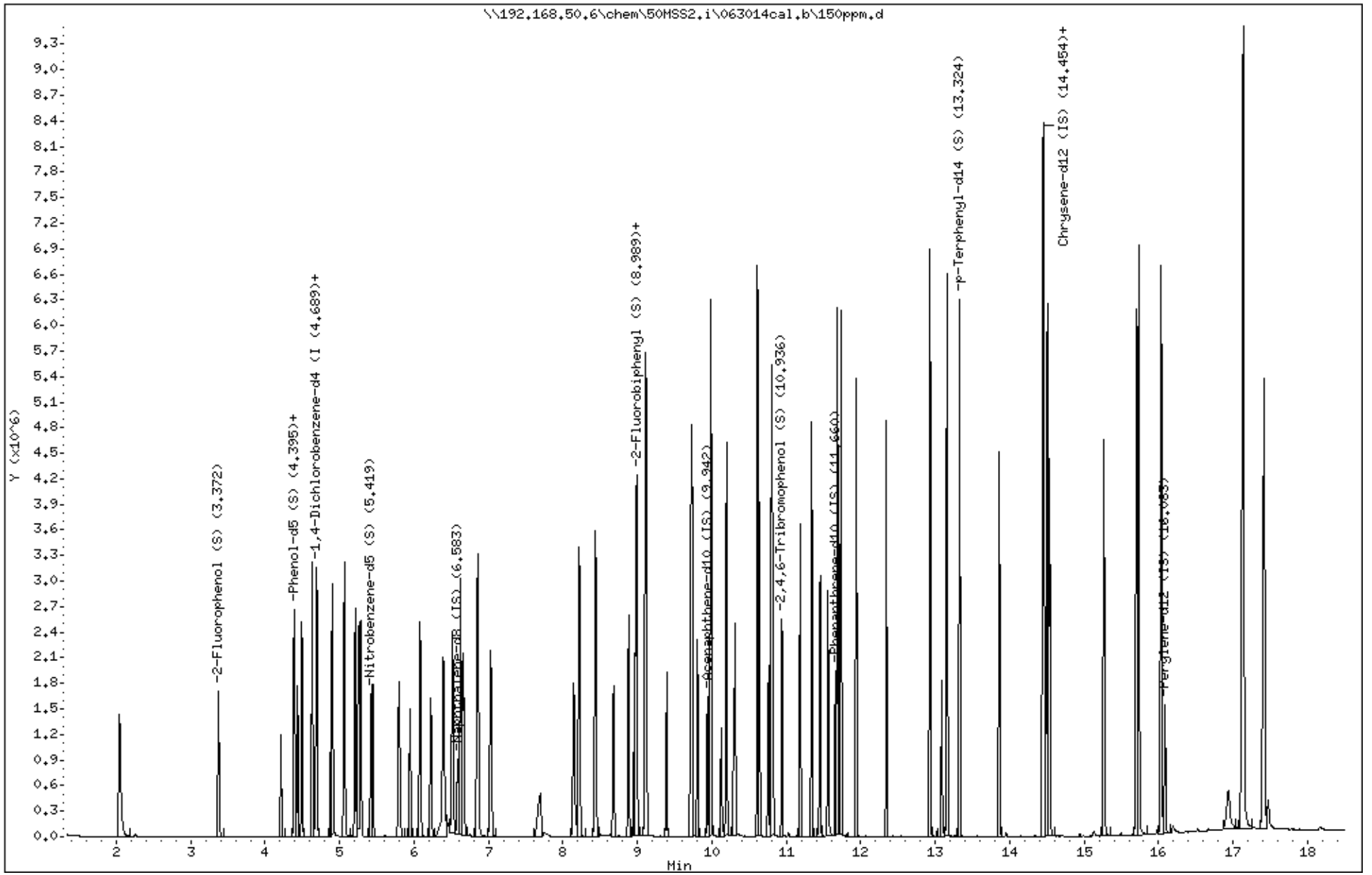
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	78 Benzidine	184	13.088	13.089	(1.123)	755388	150.000	152.9
	79 Pyrene	202	13.159	13.153	(1.129)	3242376	150.000	132.1
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	2126289	150.000	137.4
	81 Butylbenzylphthalate	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.

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 : 28-Jul-2014 12:57 cmanuputy 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)	AMOUNTS 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

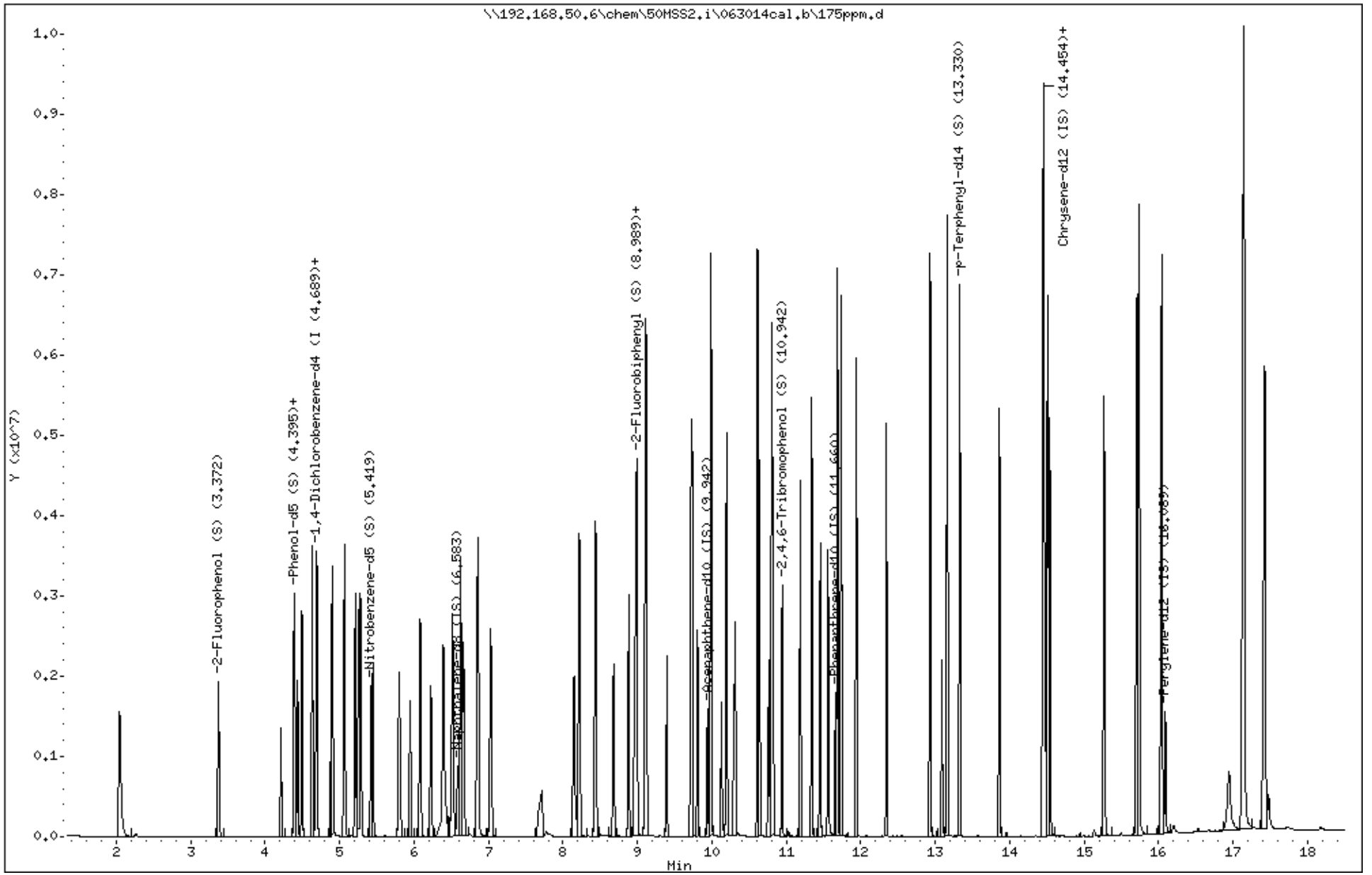
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.088	13.089	(1.123)	865386	175.000	181.3
	79 Pyrene	202	13.159	13.153	(1.129)	3653846	175.000	153.4
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2410441	175.000	160.5
	81 Butylbenzylphthalate	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.

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 : 28-Jul-2014 12:57 cmanuputy 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

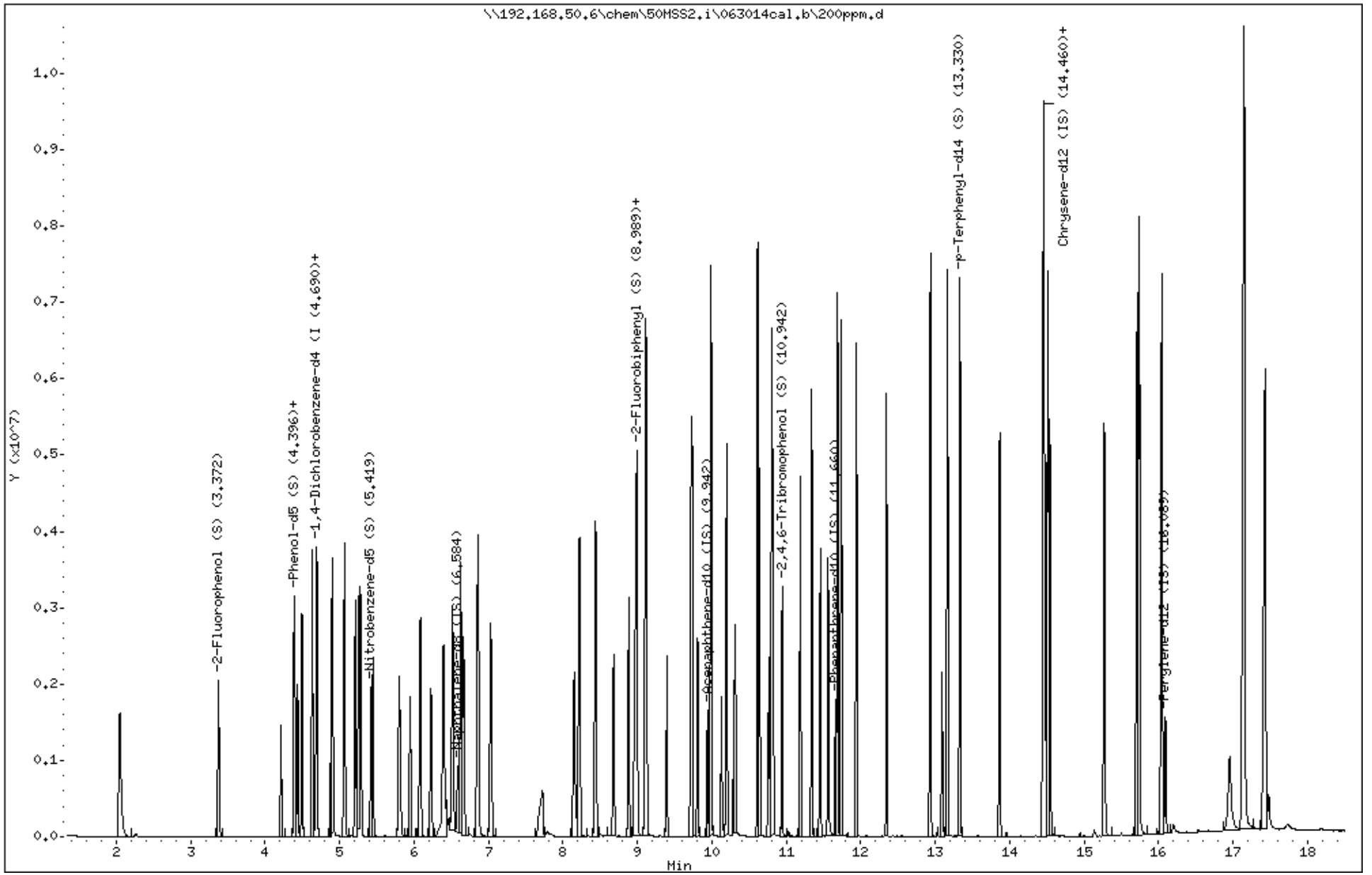
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
	78 Benzidine	184	13.094	13.089	(1.123)	935328	200.000	190.0
	79 Pyrene	202	13.165	13.153	(1.129)	3825000	200.000	155.5
$	80 p-Terphenyl-d14 (S)	244	13.330	13.324	(1.143)	2534907	200.000	163.5
	81 Butylbenzylphthalate	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.

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\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 : 28-Jul-2014 12:57 cmanuputy 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

			QUANT SIG					CONCENTRATIONS	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	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

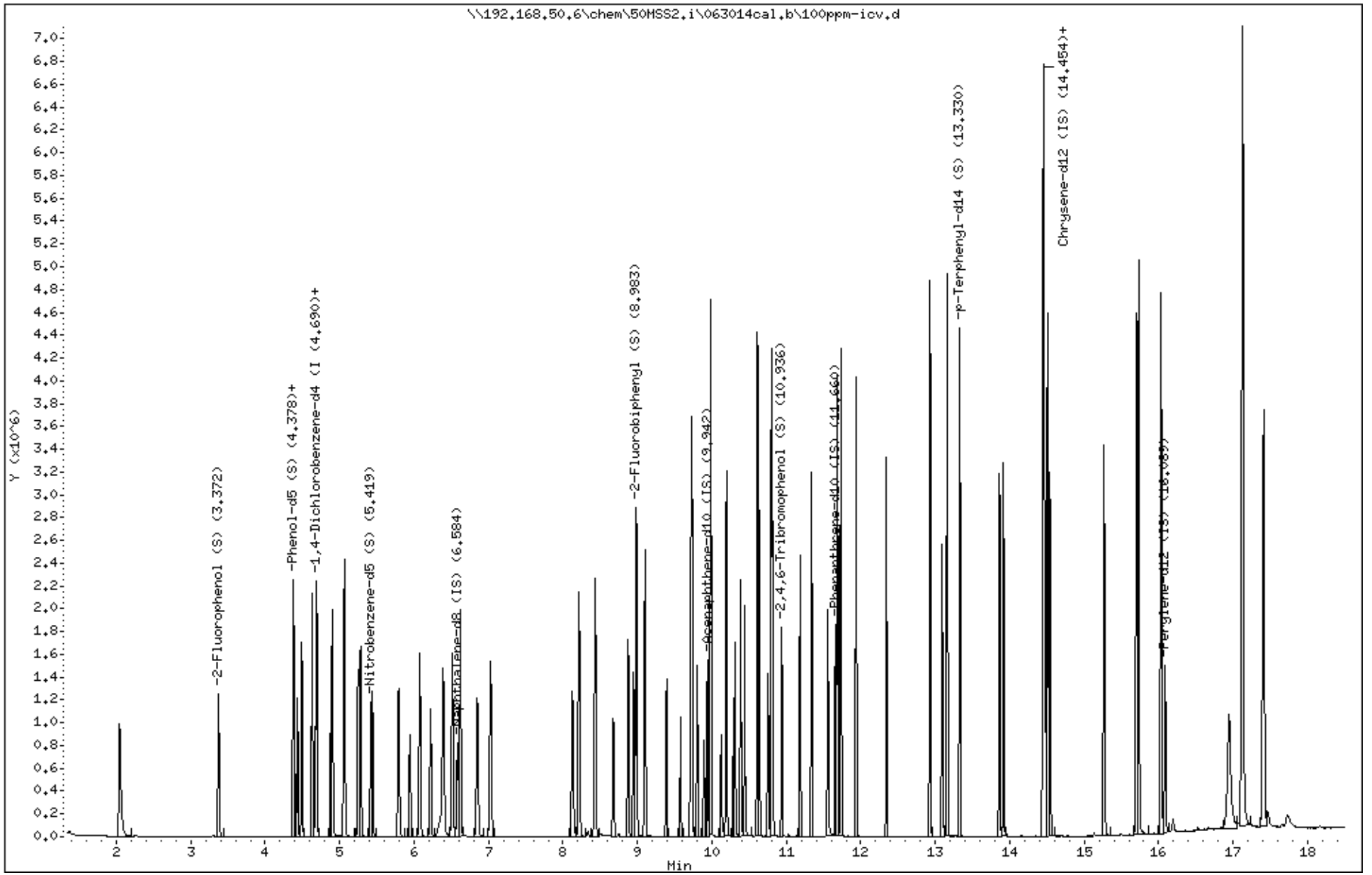
		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
Compounds		MASS	RT	EXP RT	REL RT	RESPONSE	(ug/ml)	(ug/L)
24	Nitrobenzene	77	5.442	5.442	(0.827)	483161	100.417	100.4
25	Isophorone	82	5.795	5.795	(0.880)	901128	97.9568	97.96
26	2-Nitrophenol	139	5.948	5.948	(0.903)	312054	100.476	100.5
27	2,4-Dimethylphenol	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.

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



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

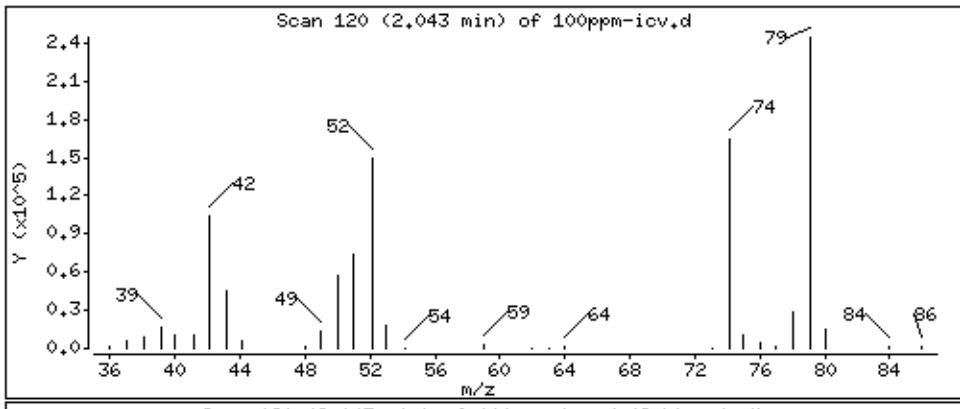
Operator: SN

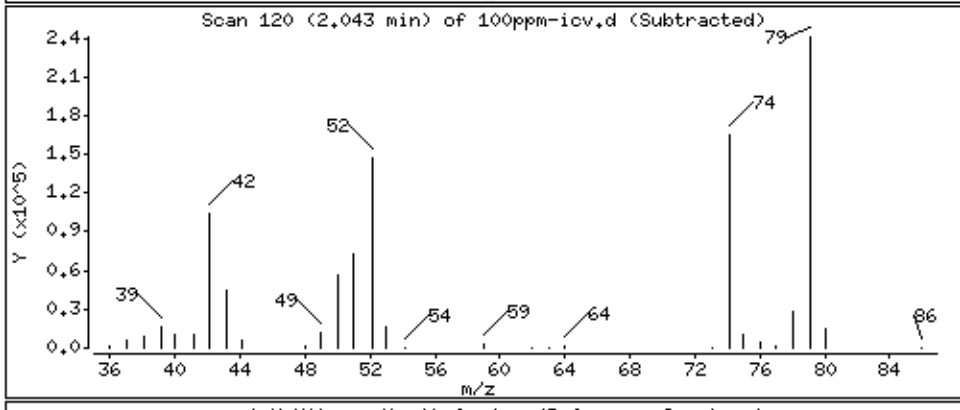
Column phase: .50um DB-5ms

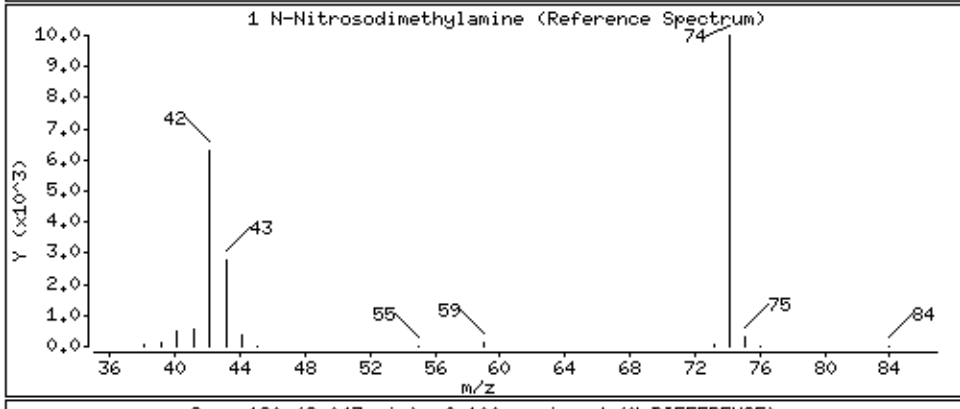
Column diameter: 0.25

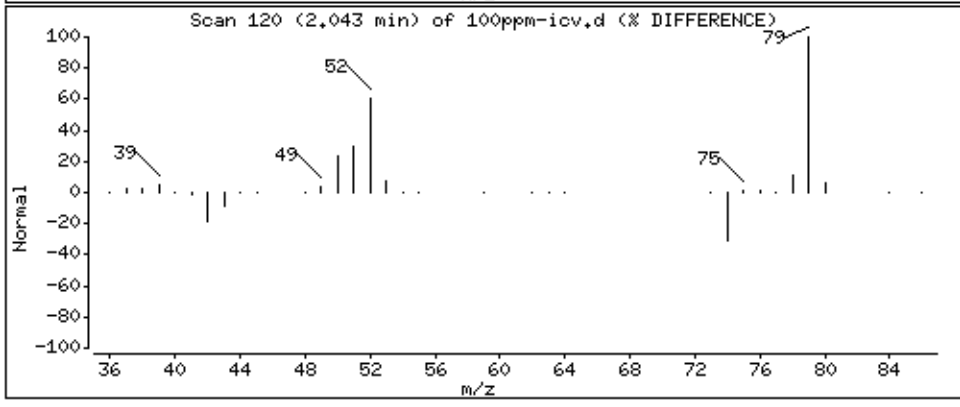
1 N-Nitrosodimethylamine

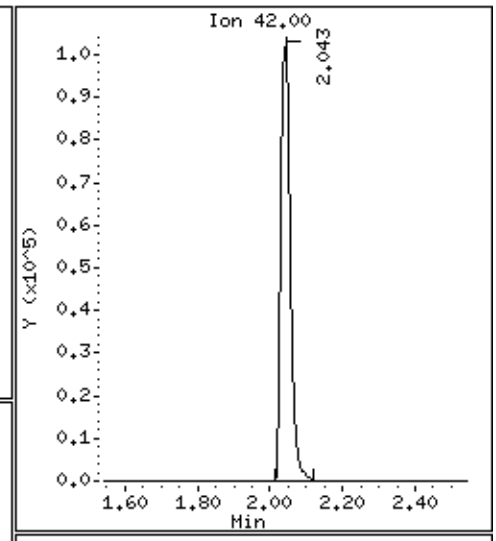
Concentration: 96.40 ug/L

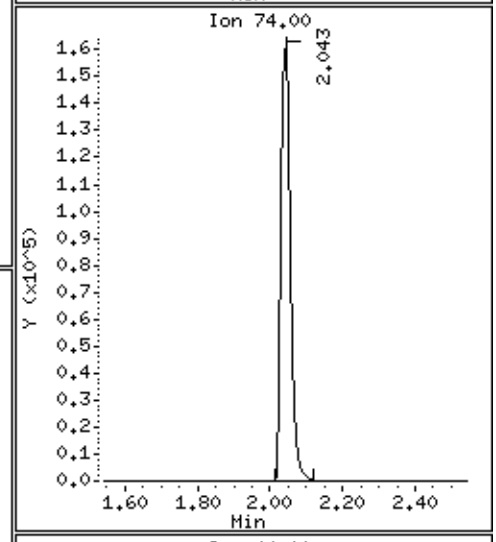


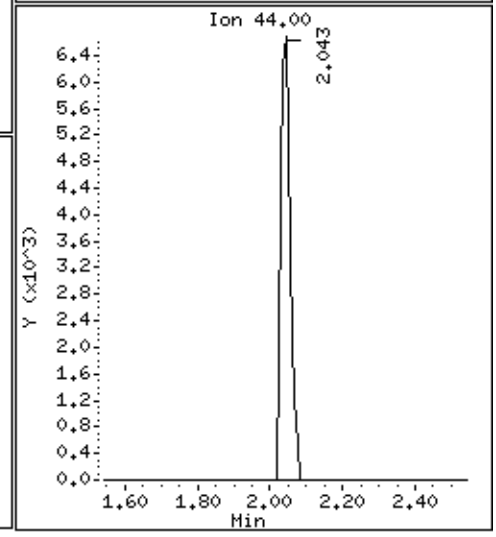












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

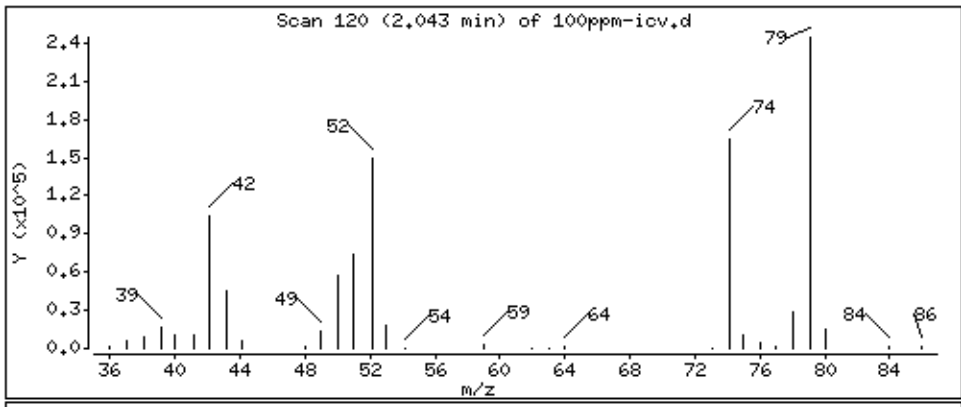
Operator: SN

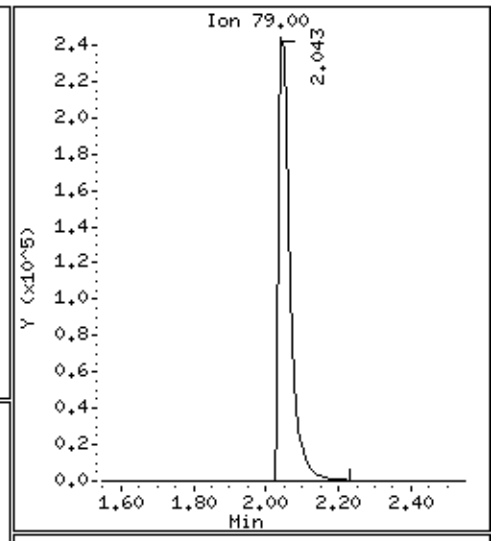
Column phase: .50um DB-5ms

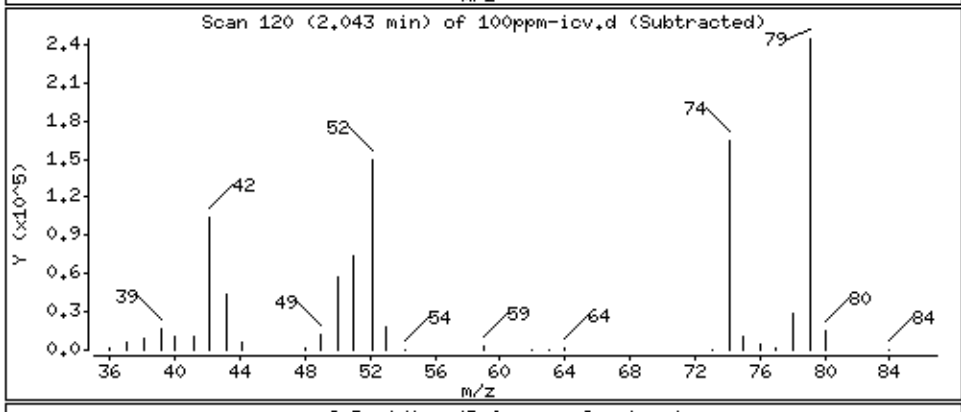
Column diameter: 0.25

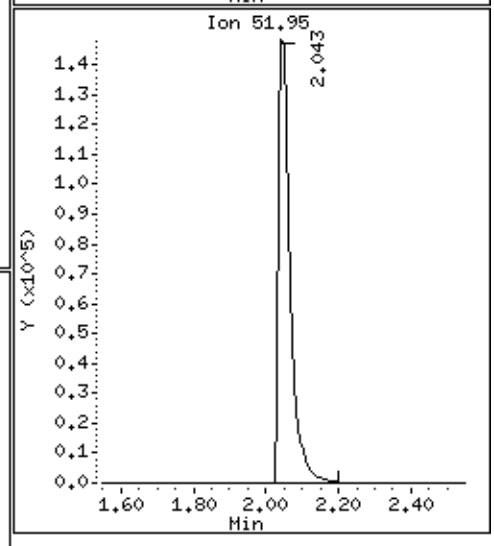
2 Pyridine

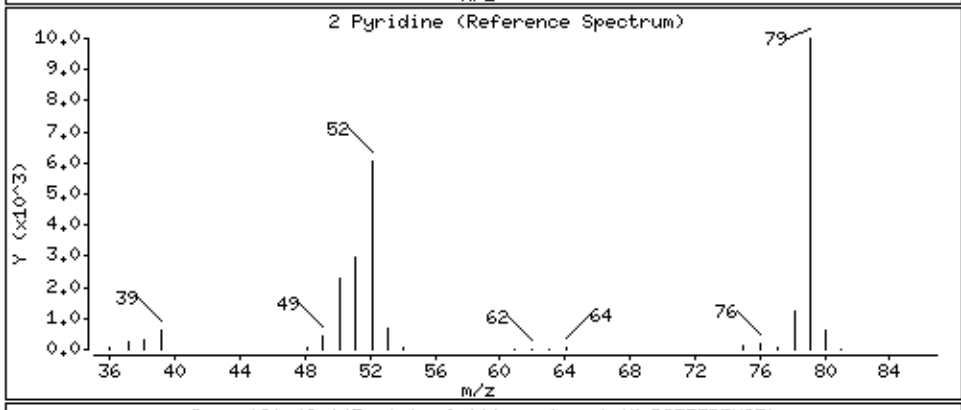
Concentration: 102.7 ug/L

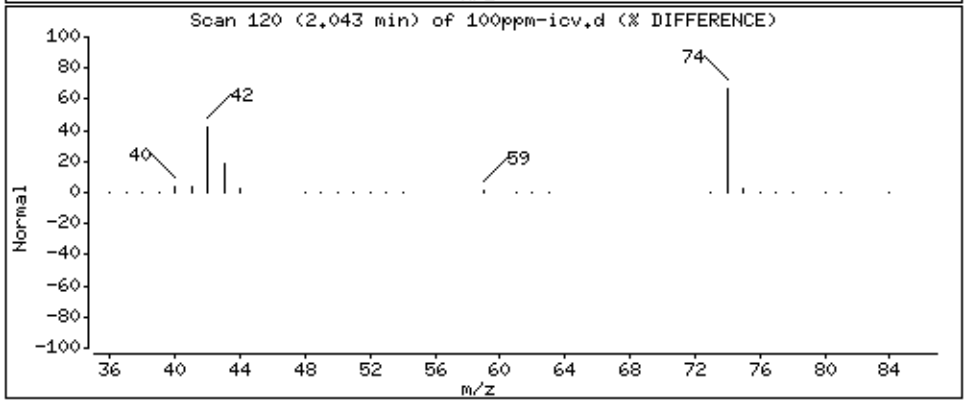












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

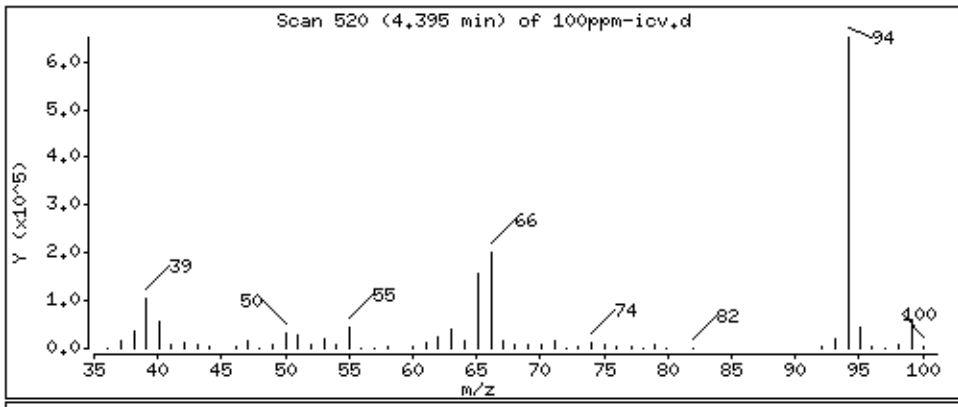
Operator: SN

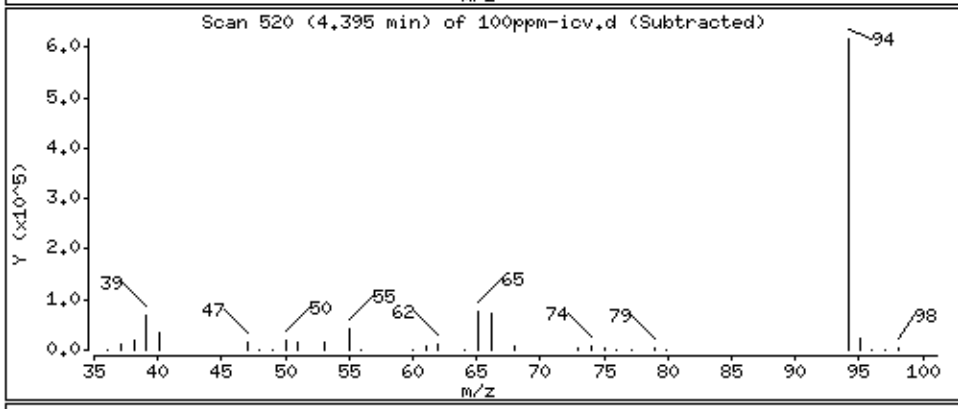
Column phase: .50um DB-5ms

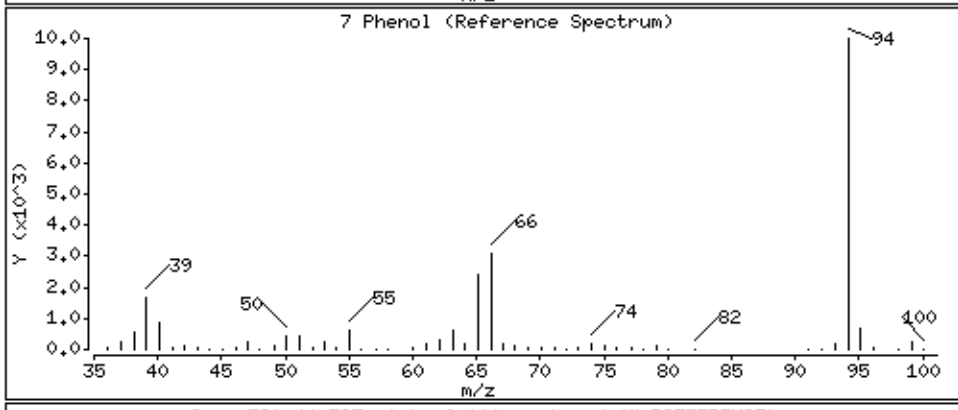
Column diameter: 0.25

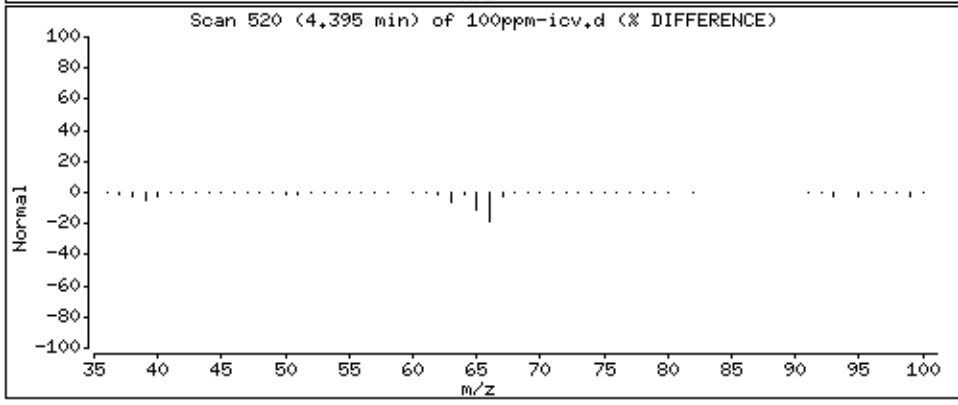
7 Phenol

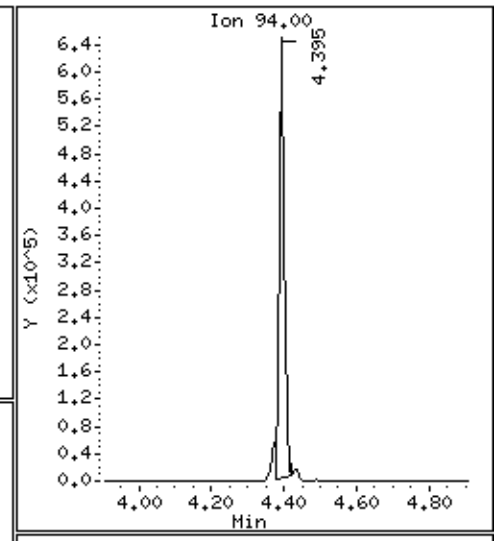
Concentration: 93.83 ug/L

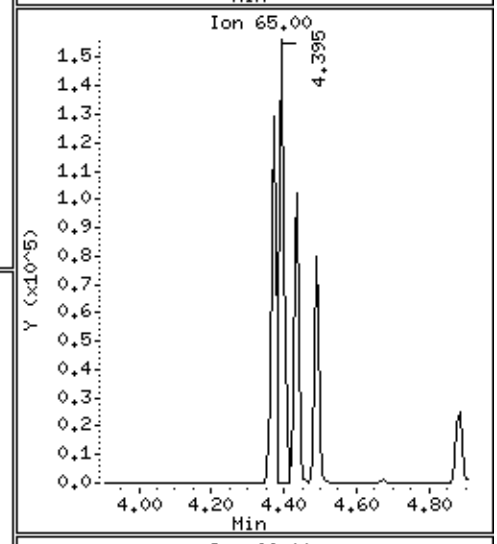


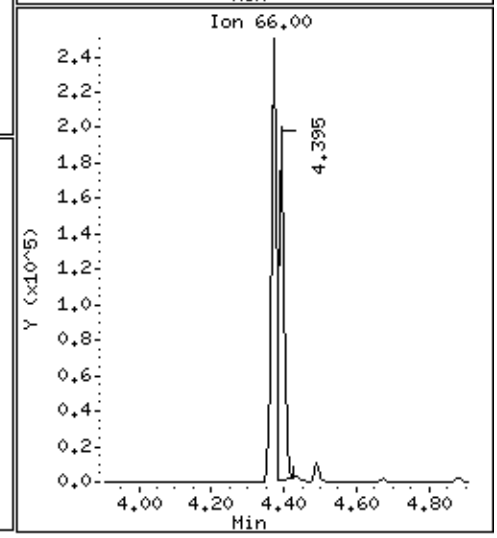












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

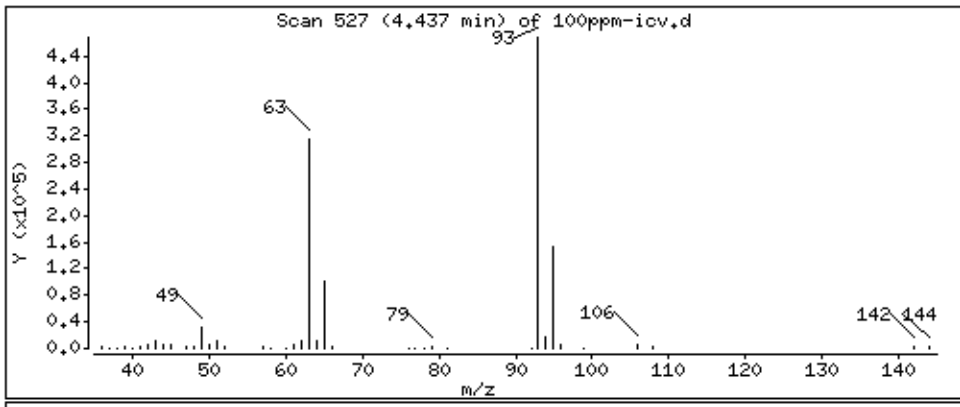
Operator: SN

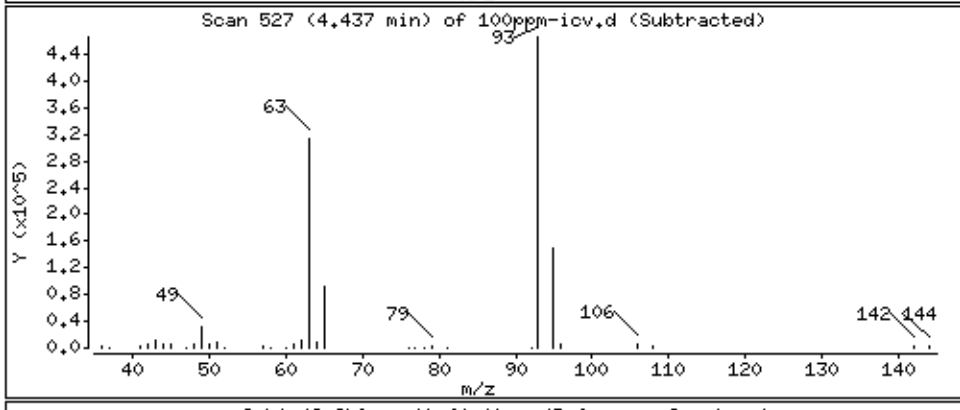
Column phase: .50um DB-5ms

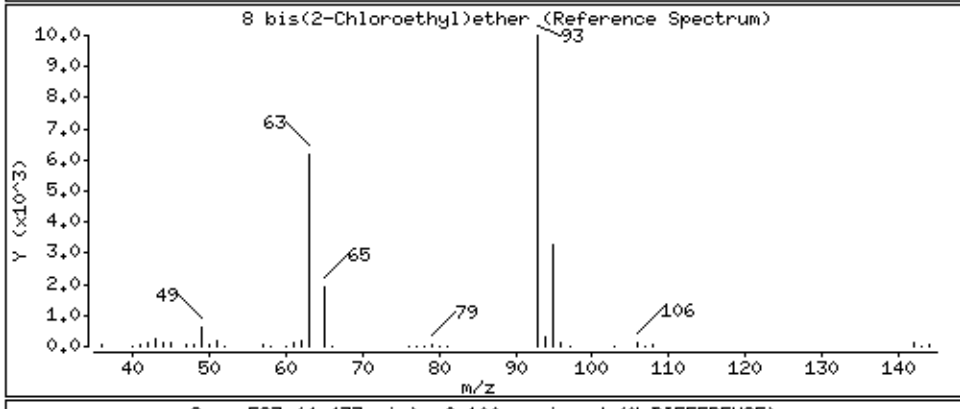
Column diameter: 0.25

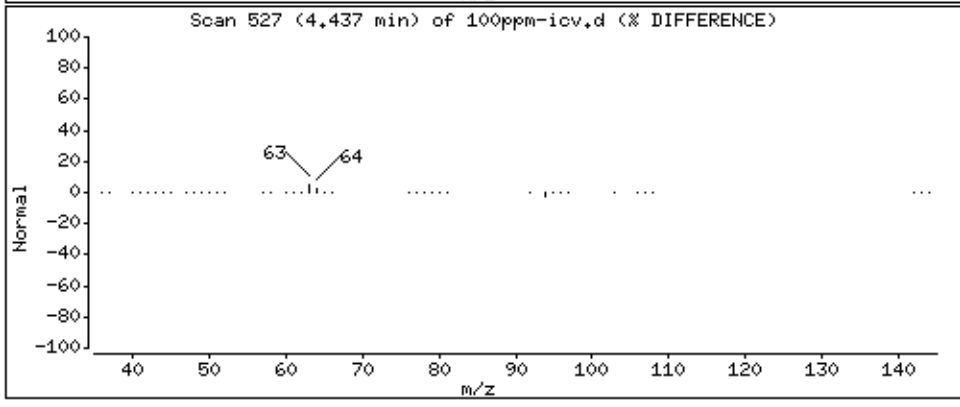
8 bis(2-Chloroethyl)ether

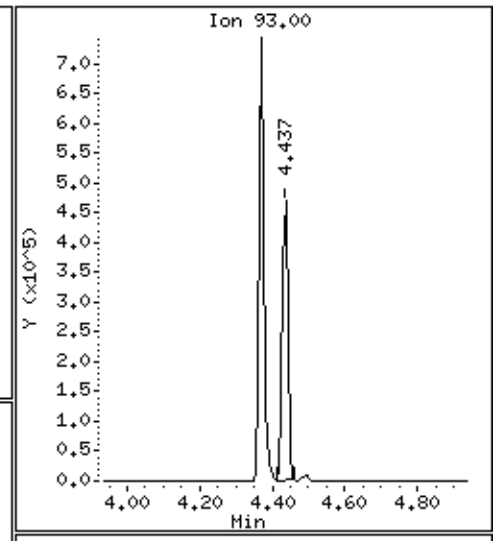
Concentration: 99.06 ug/L

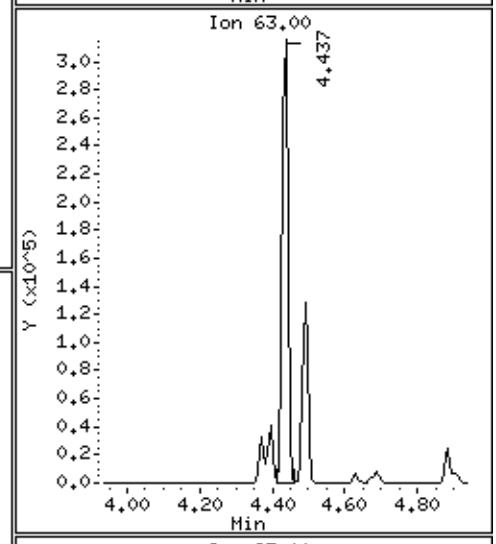


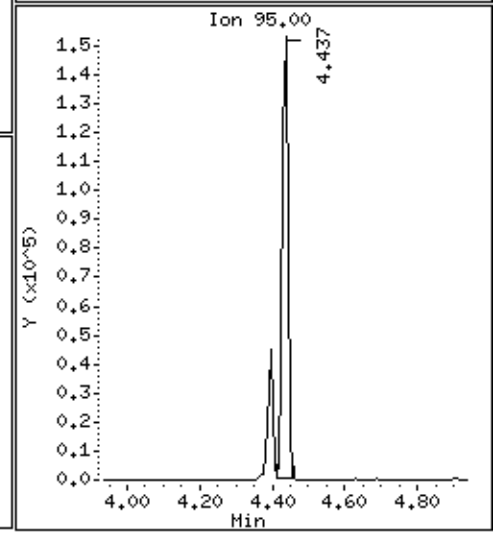












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

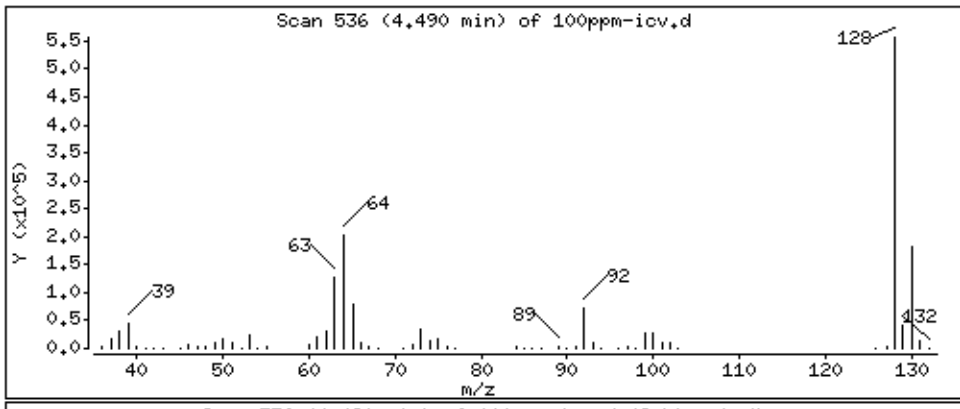
Operator: SN

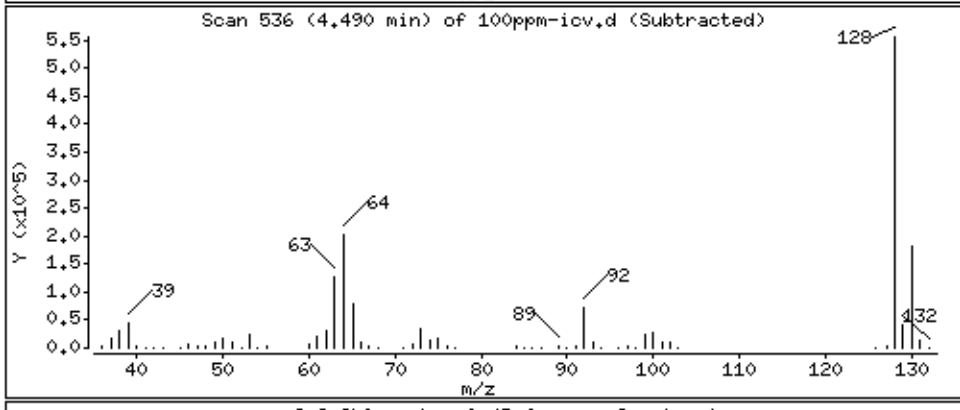
Column phase: .50um DB-5ms

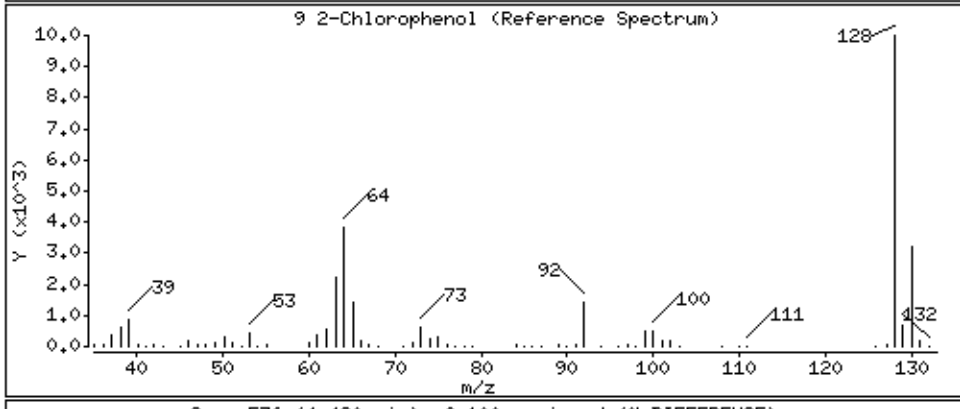
Column diameter: 0.25

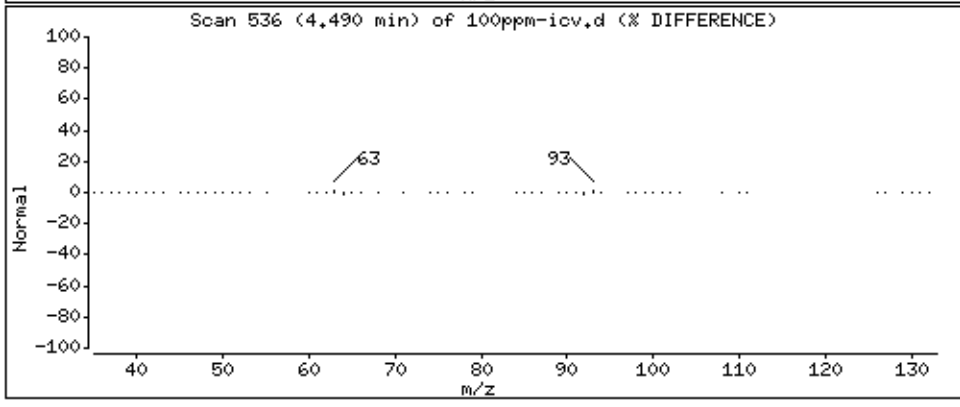
9 2-Chlorophenol

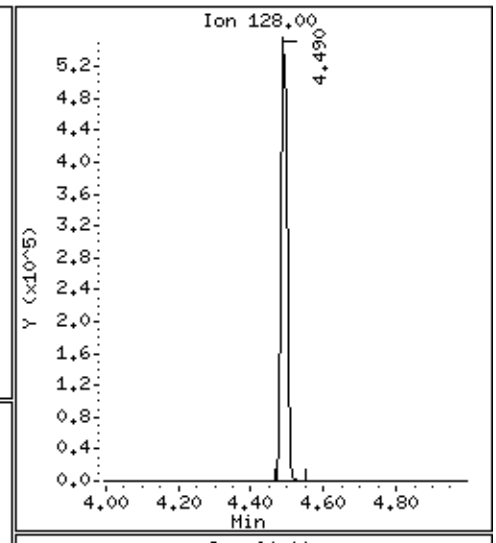
Concentration: 95.24 ug/L

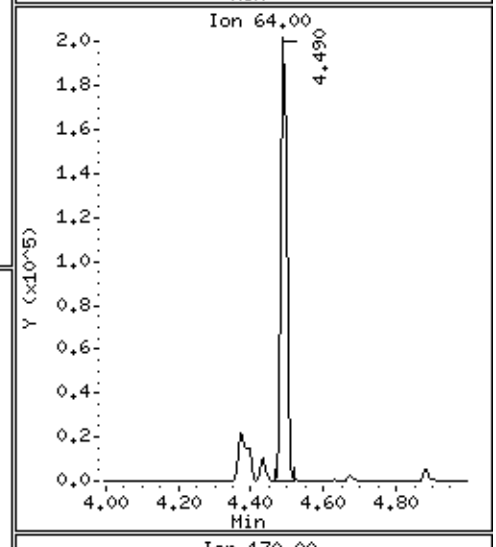


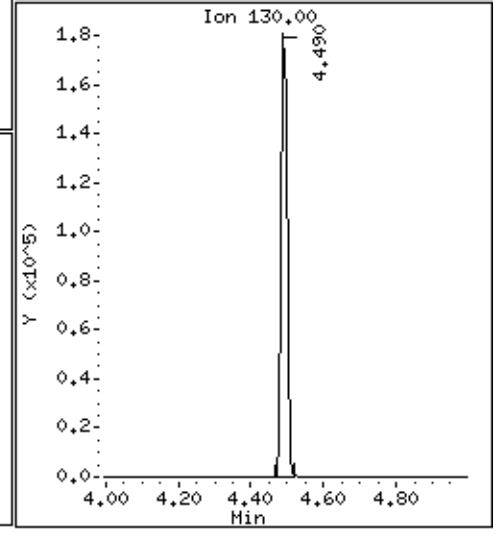












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

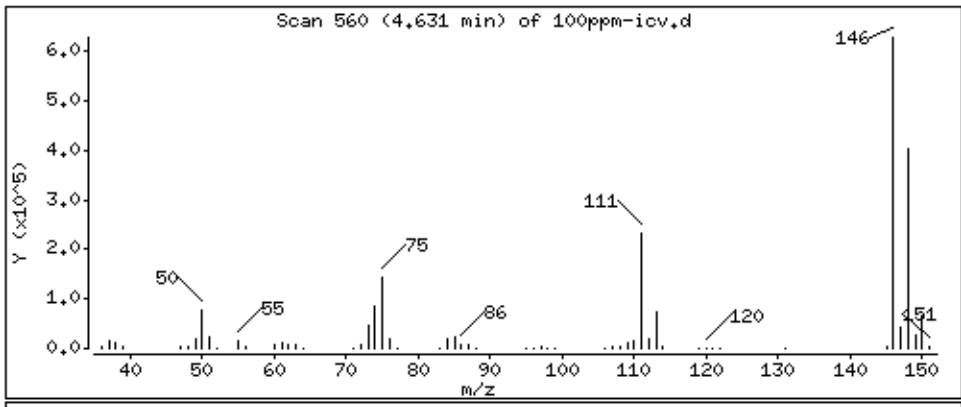
Operator: SN

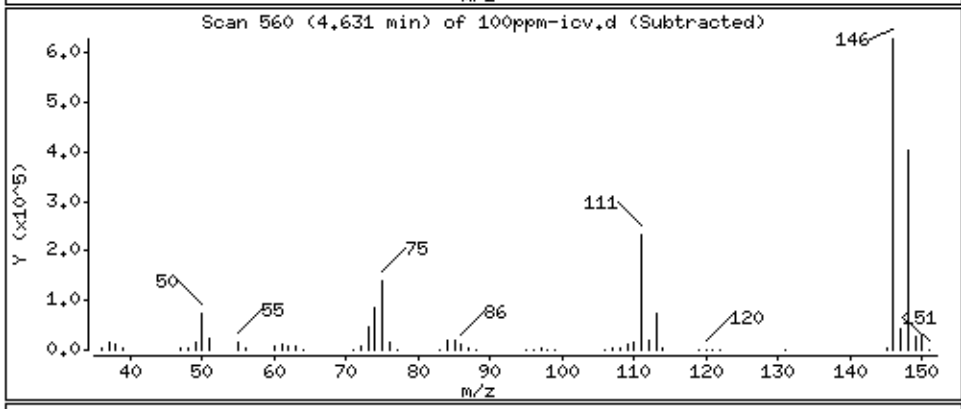
Column phase: .50um DB-5ms

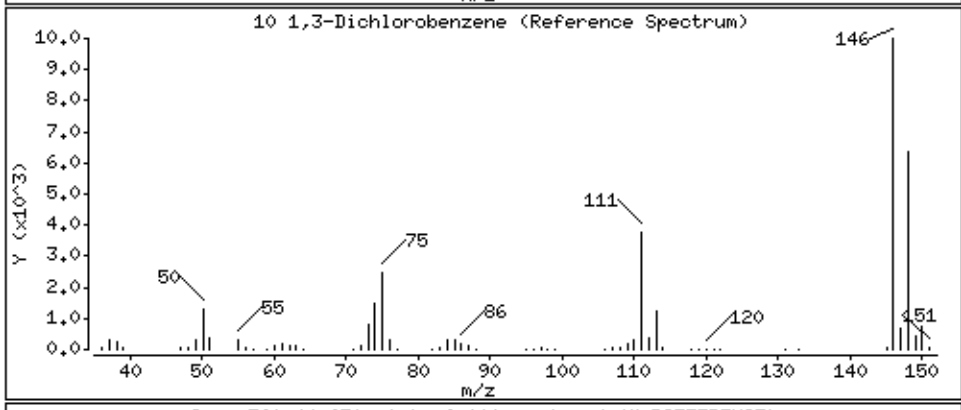
Column diameter: 0.25

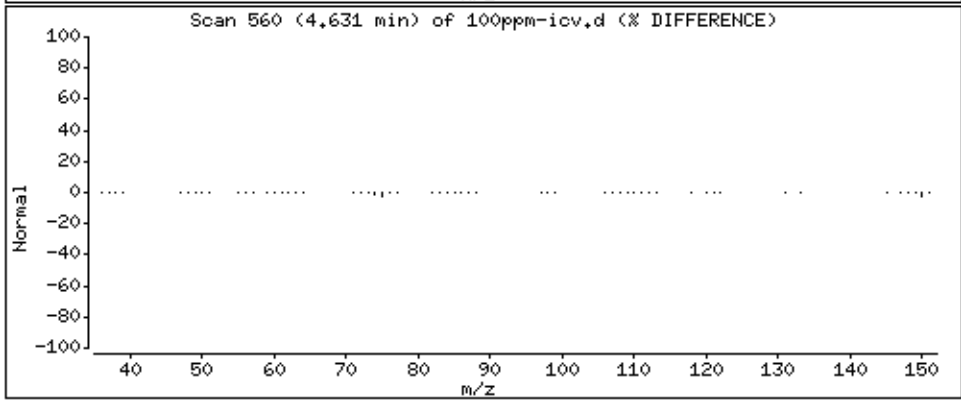
10 1,3-Dichlorobenzene

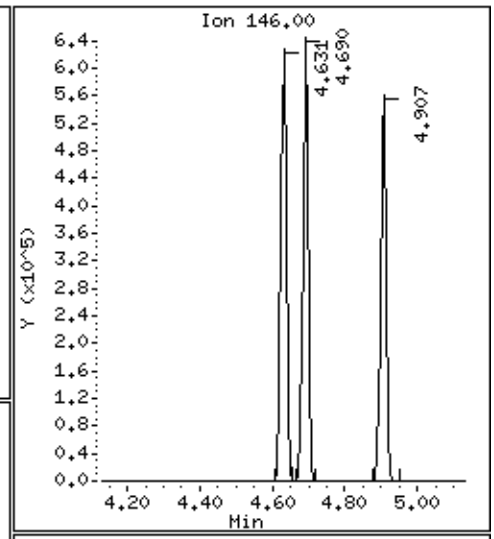
Concentration: 94.73 ug/L

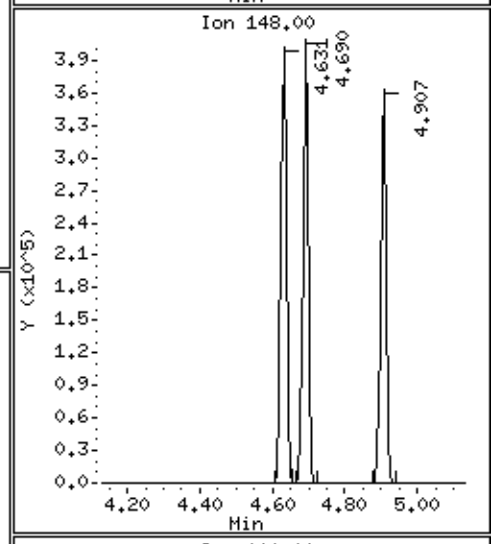


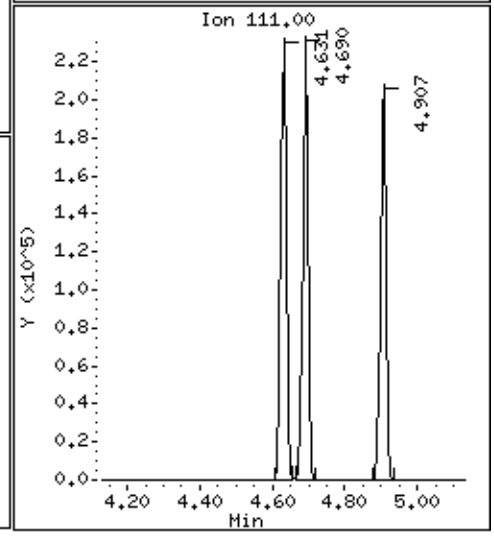












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

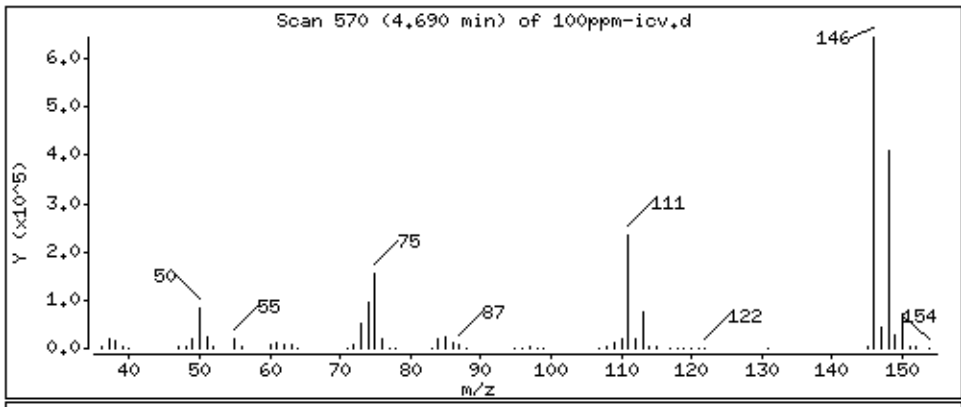
Operator: SN

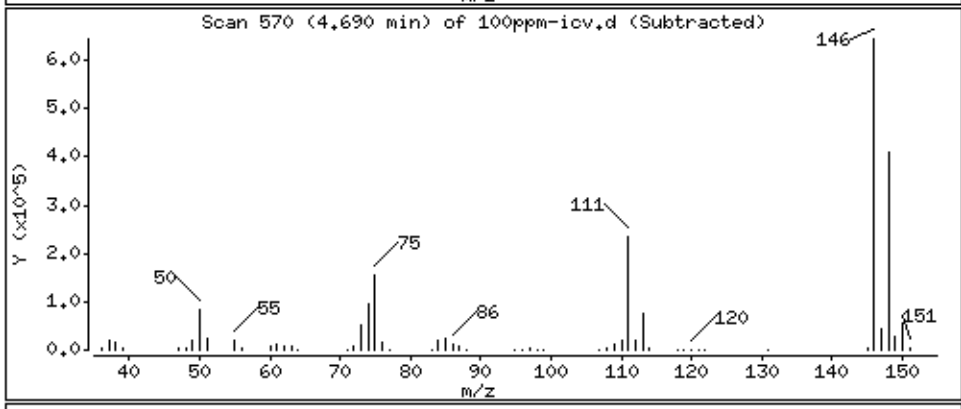
Column phase: .50um DB-5ms

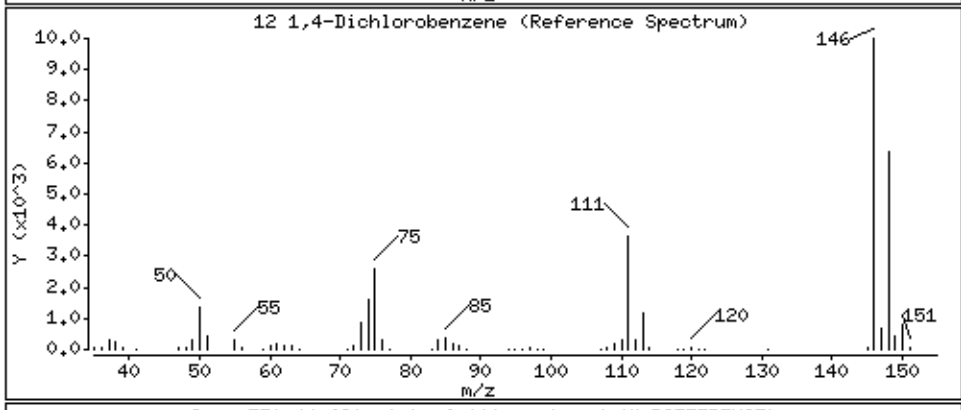
Column diameter: 0.25

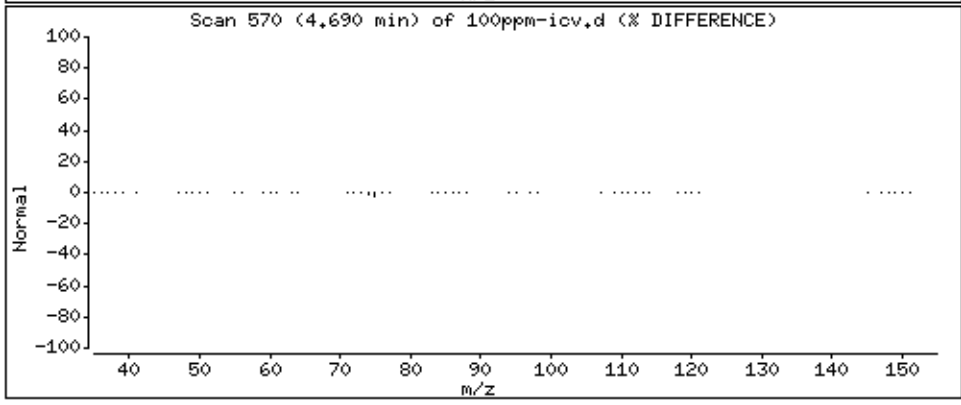
12 1,4-Dichlorobenzene

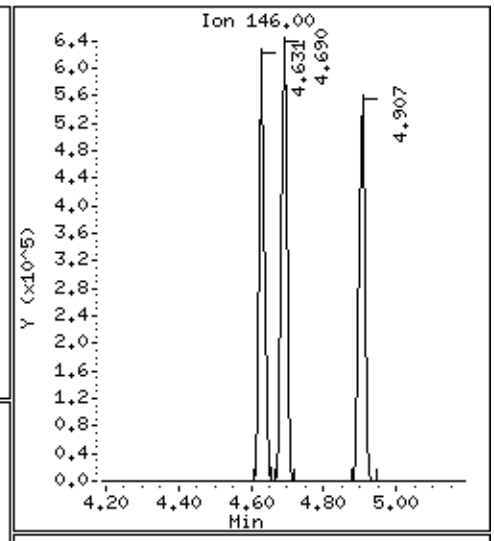
Concentration: 97.65 ug/L

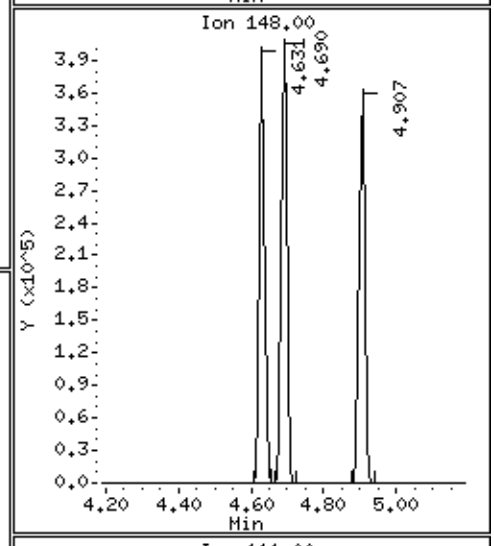


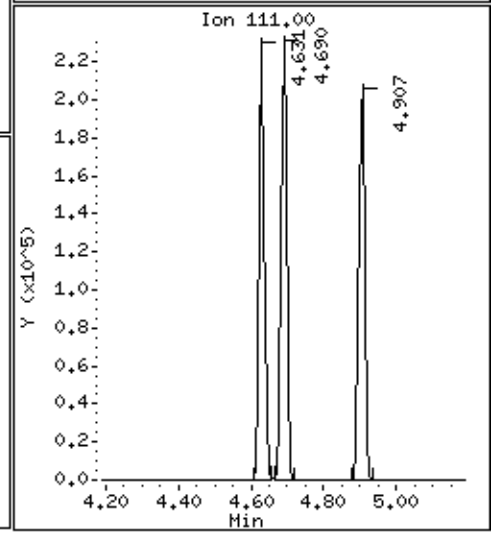












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

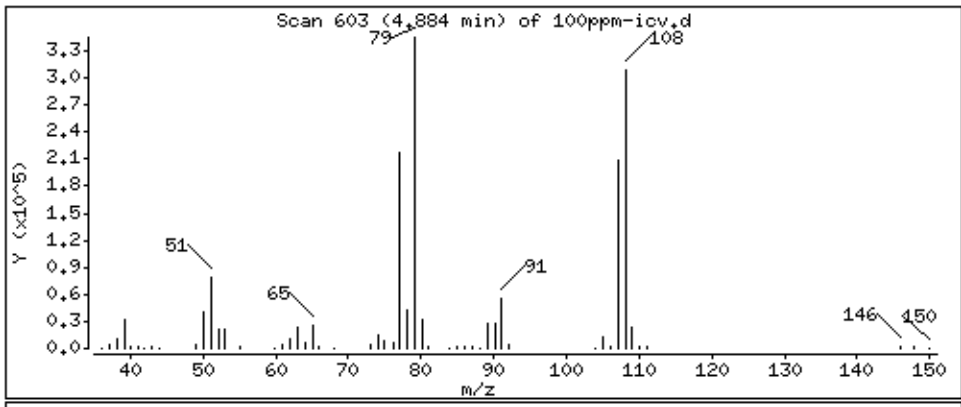
Operator: SN

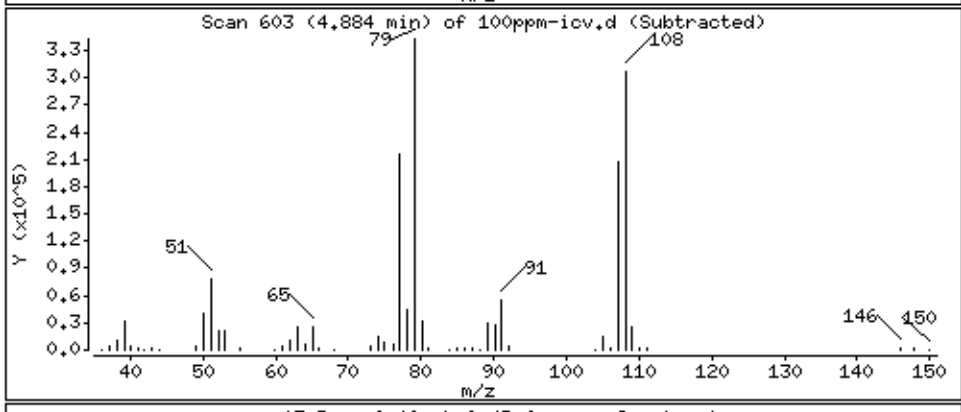
Column phase: .50um DB-5ms

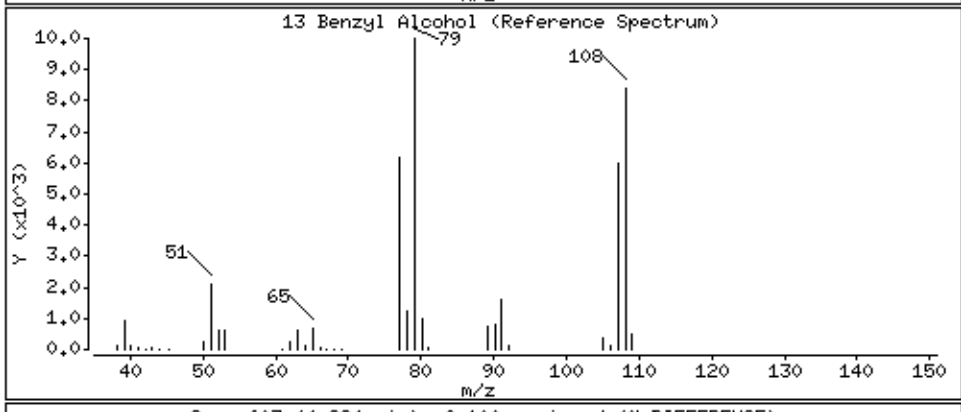
Column diameter: 0.25

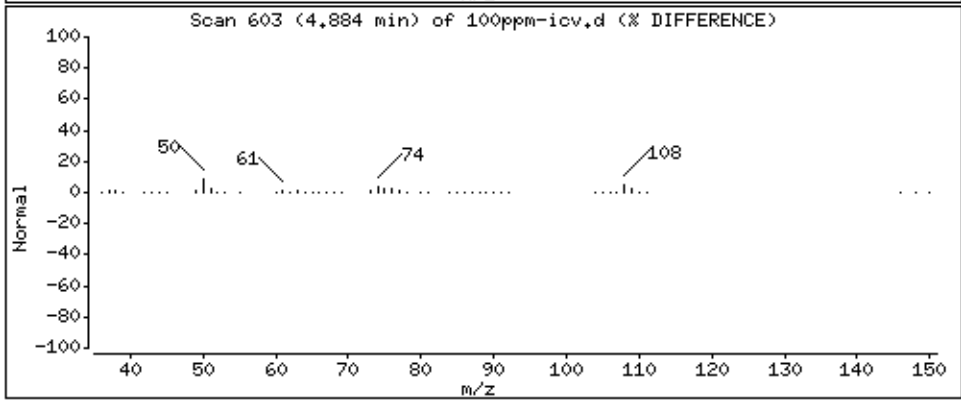
13 Benzyl Alcohol

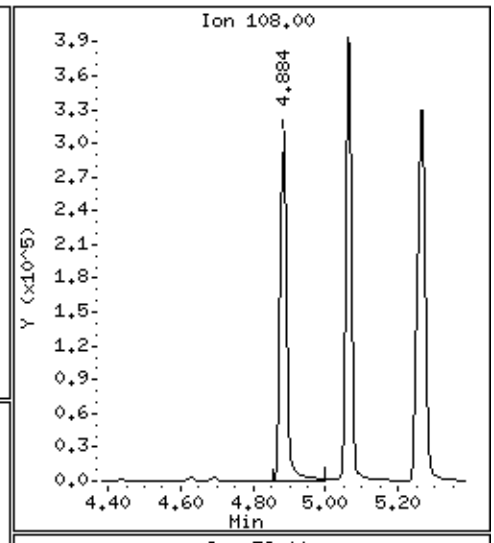
Concentration: 103.4 ug/L

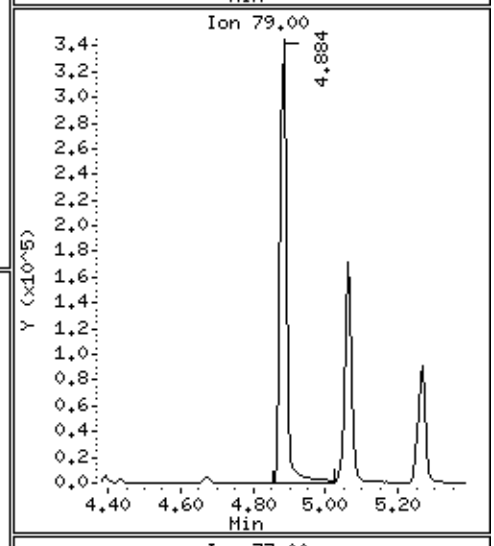


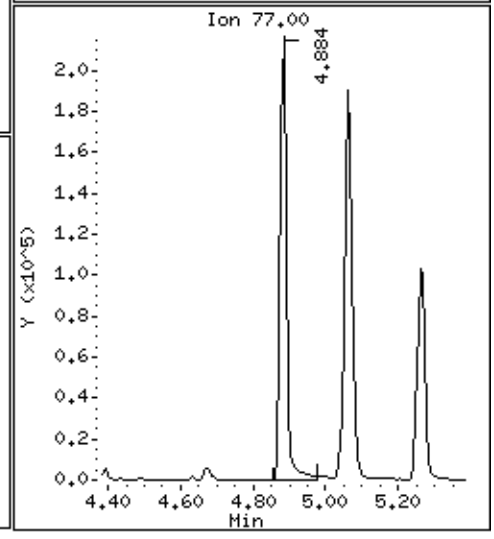












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

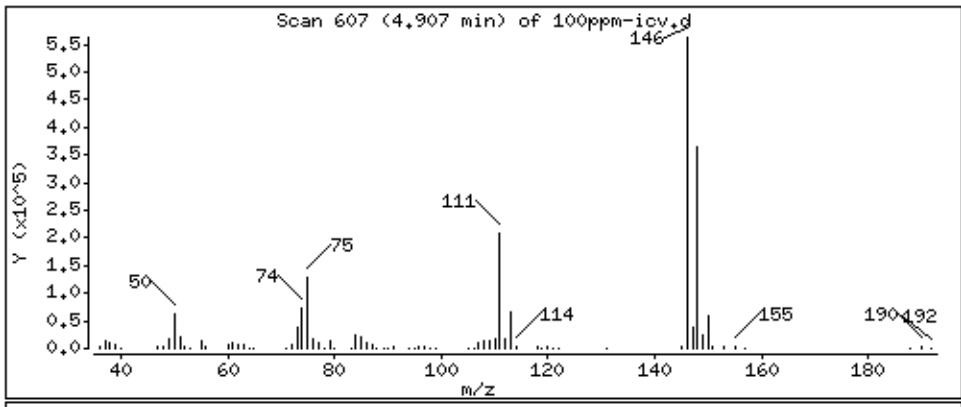
Operator: SN

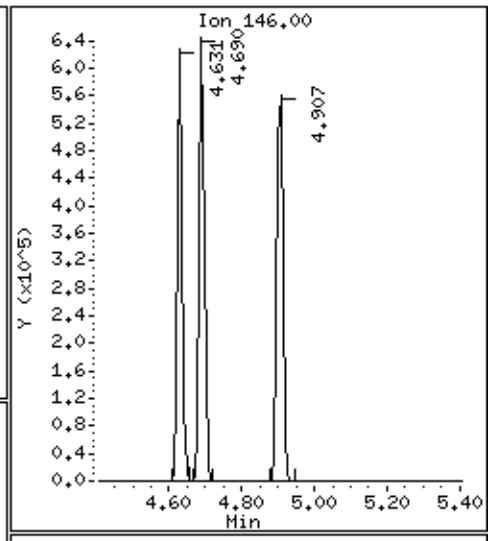
Column phase: .50um DB-5ms

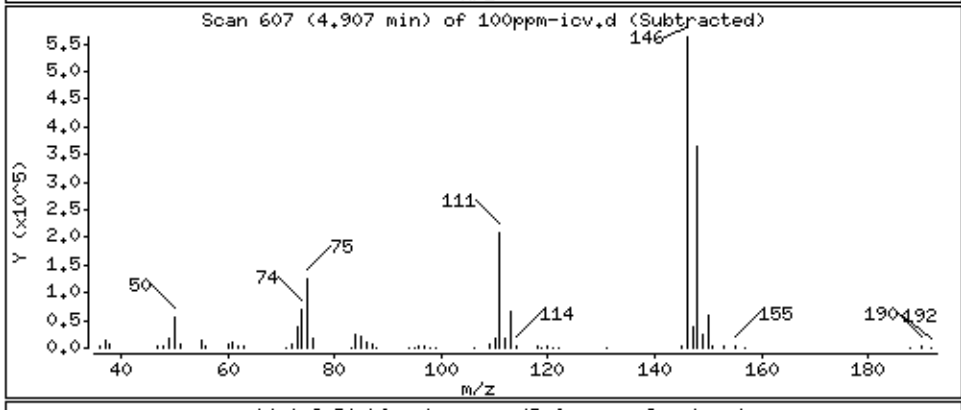
Column diameter: 0.25

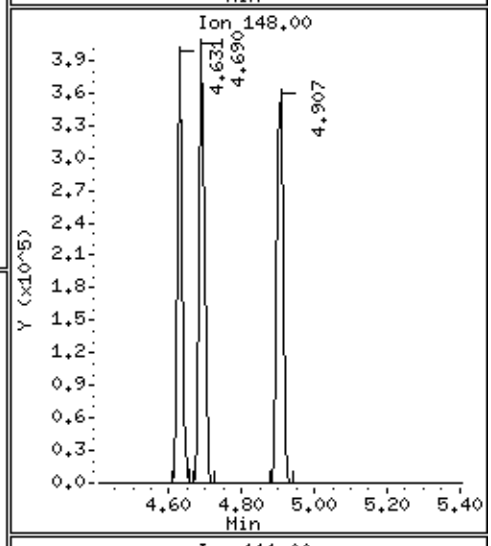
14 1,2-Dichlorobenzene

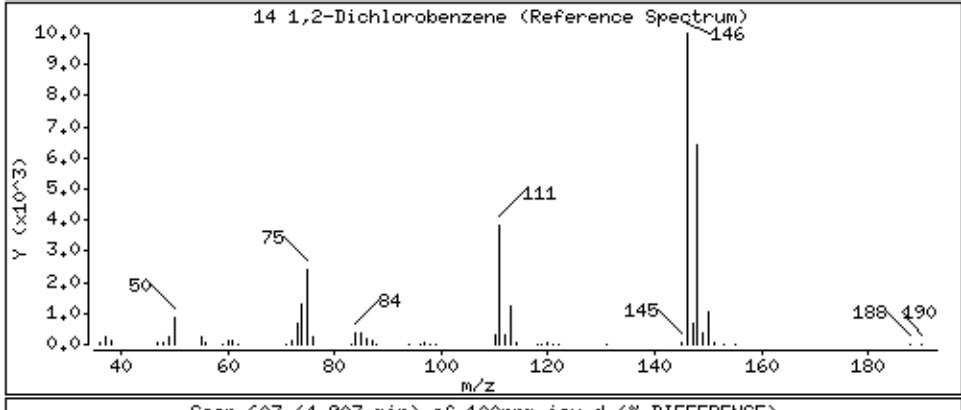
Concentration: 97.02 ug/L

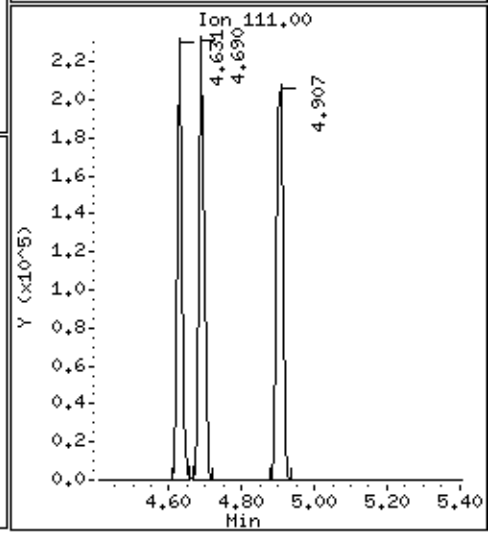


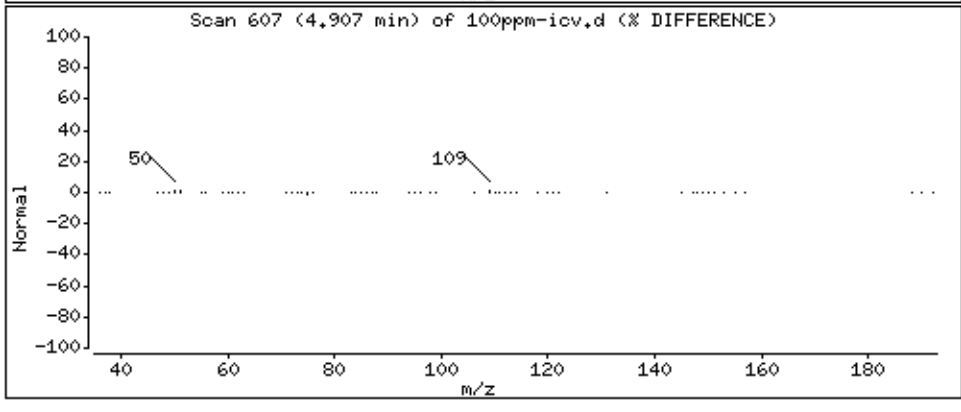












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

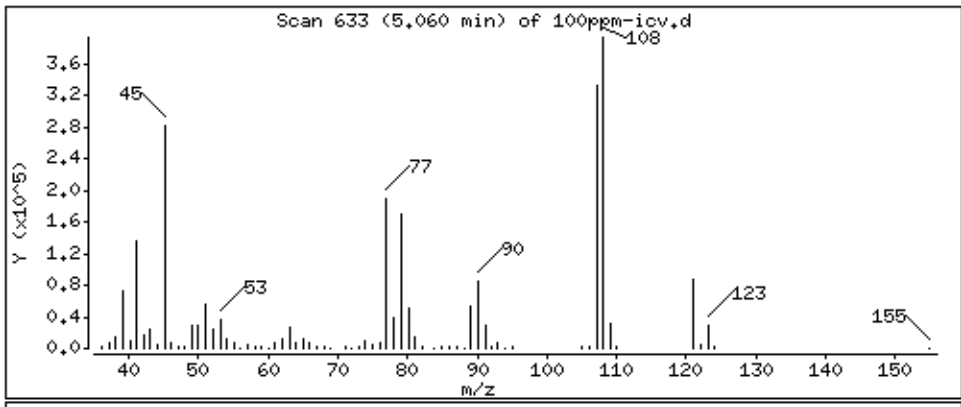
Operator: SN

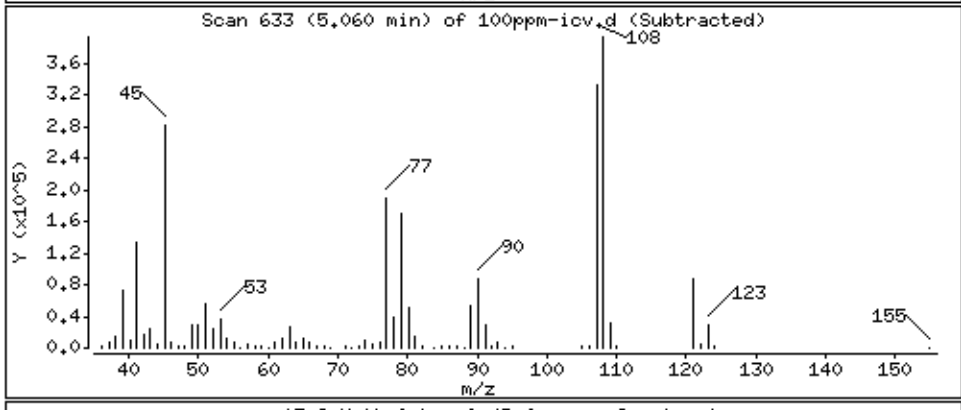
Column phase: .50um DB-5ms

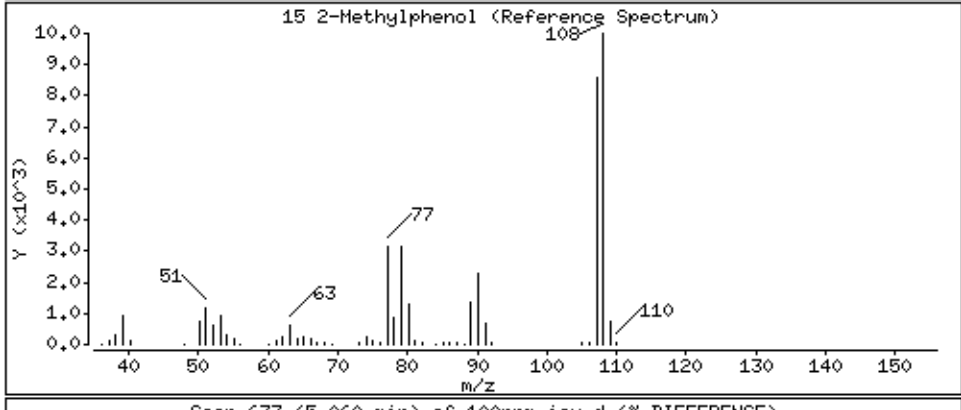
Column diameter: 0.25

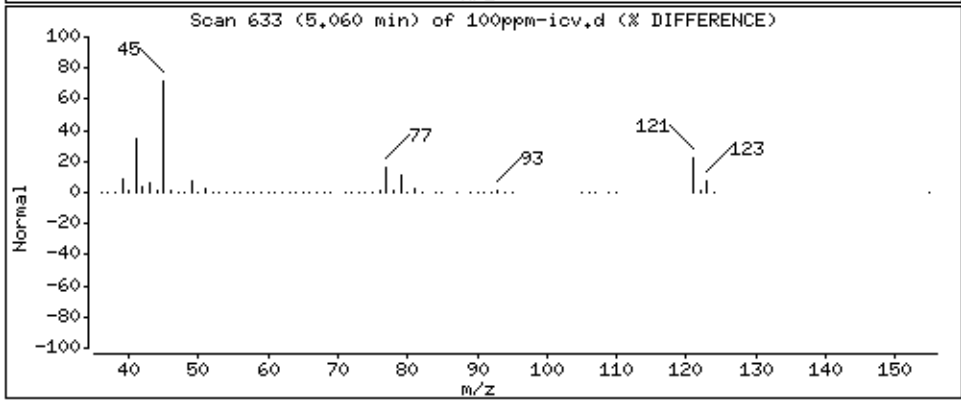
15 2-Methylphenol

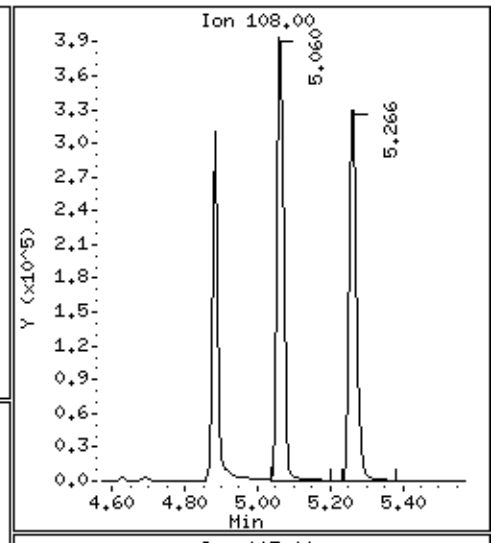
Concentration: 99.60 ug/L

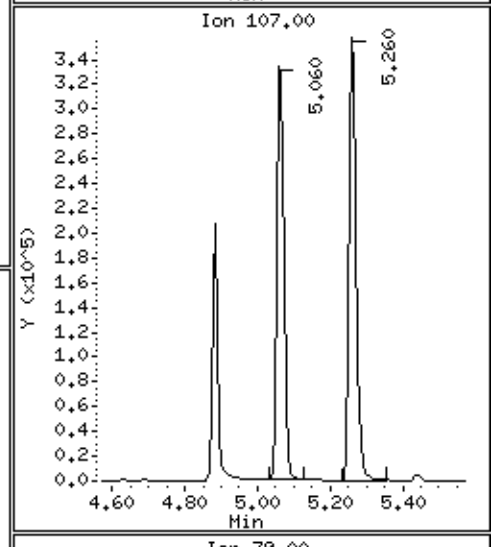


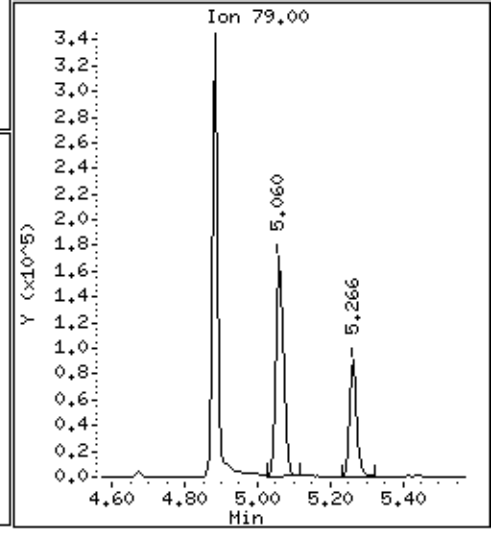












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

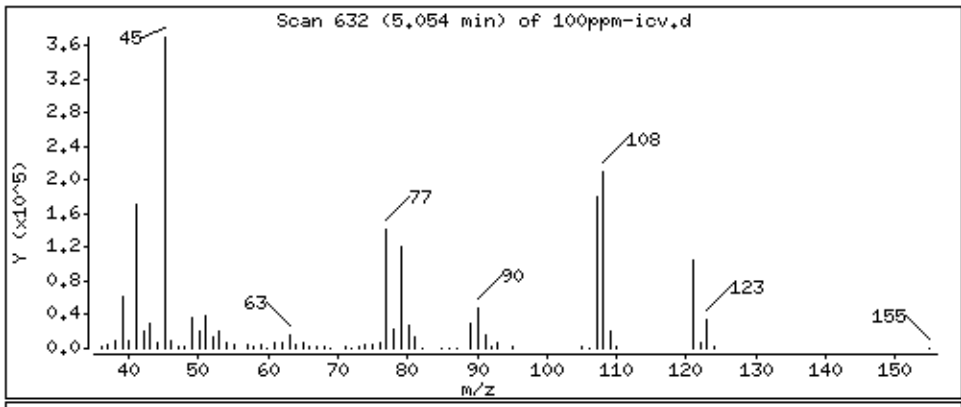
Operator: SN

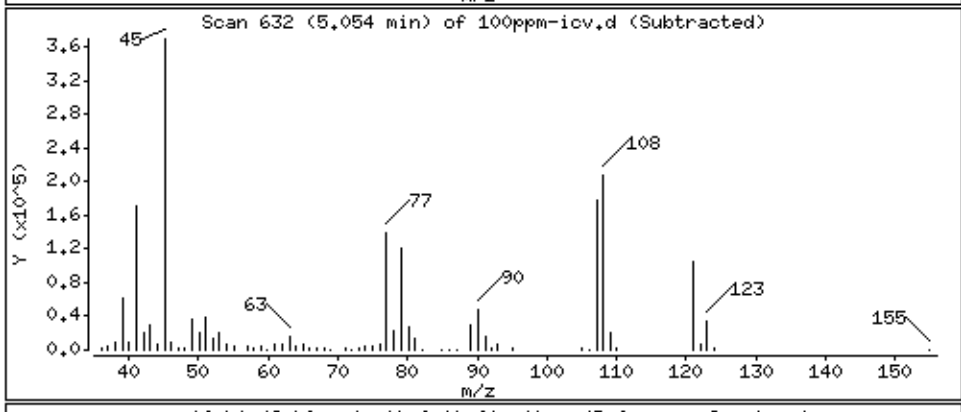
Column phase: .50um DB-5ms

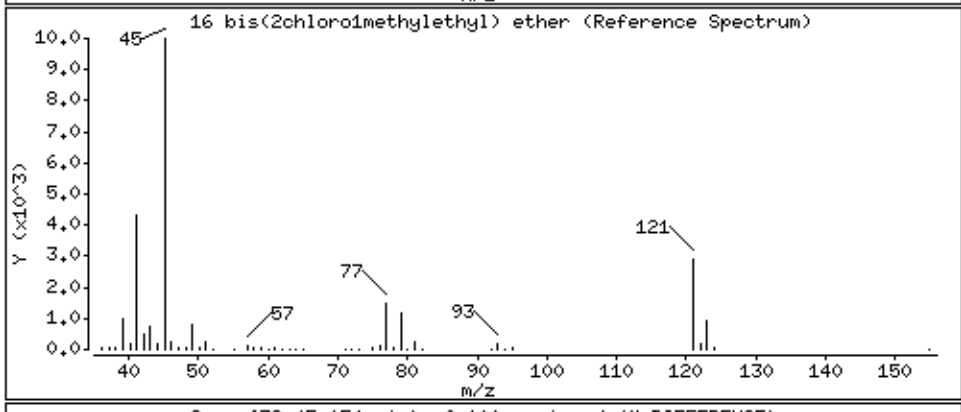
Column diameter: 0.25

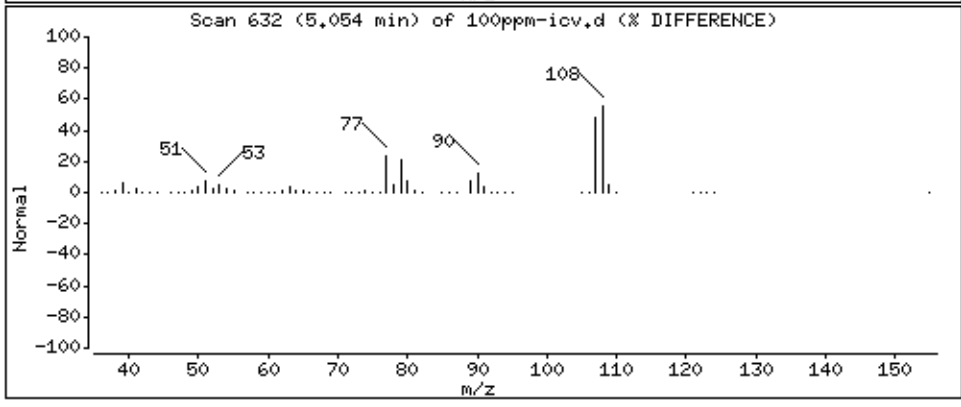
16 bis(2chloro1methylethyl) ether

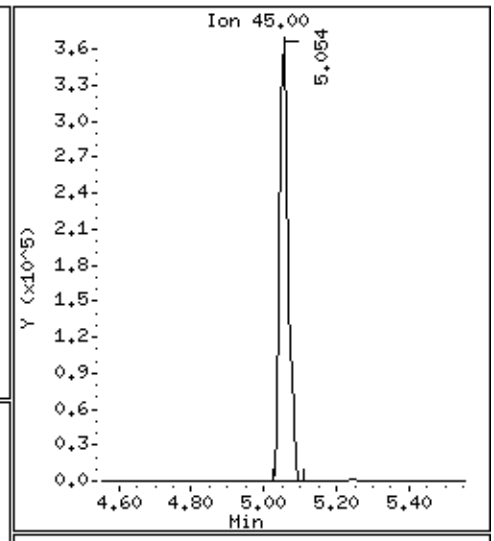
Concentration: 109.7 ug/L

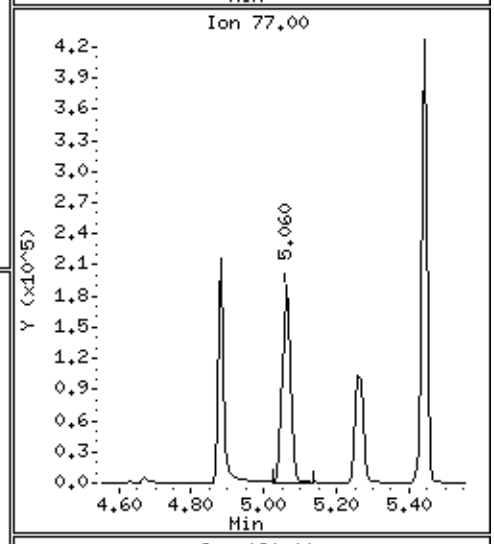


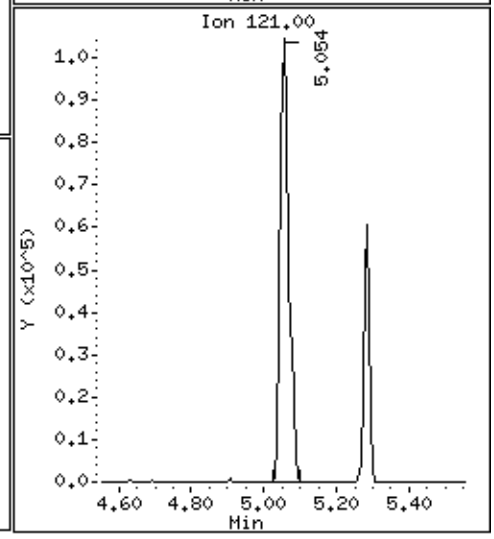












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

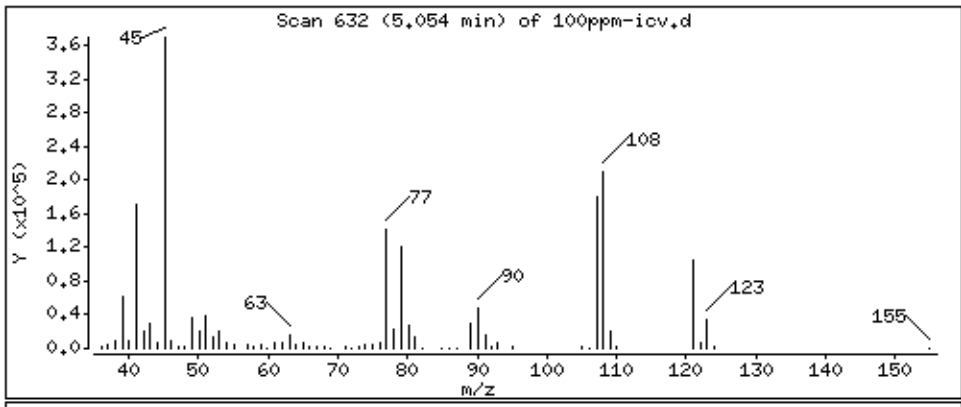
Operator: SN

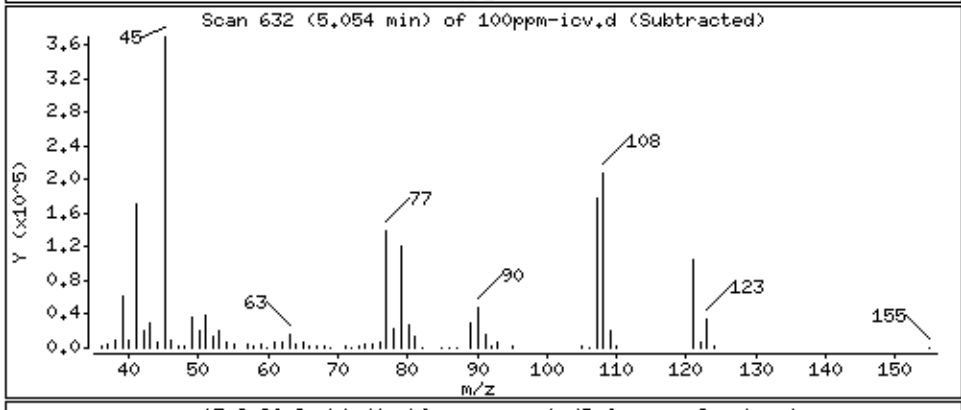
Column phase: .50um DB-5ms

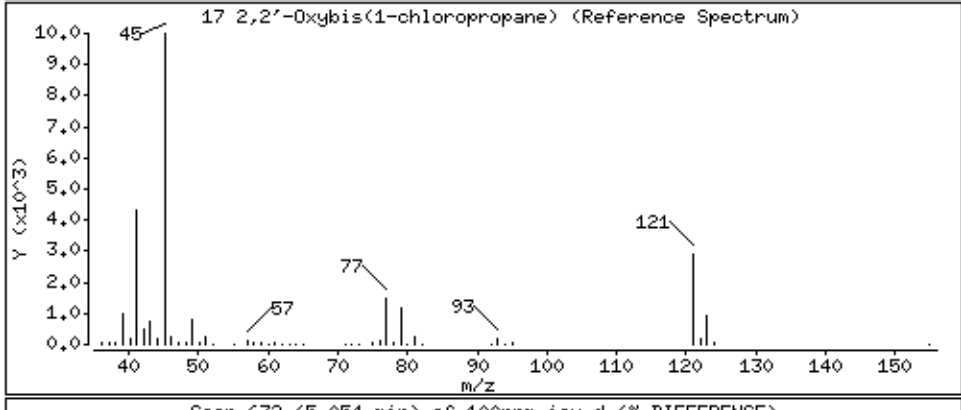
Column diameter: 0.25

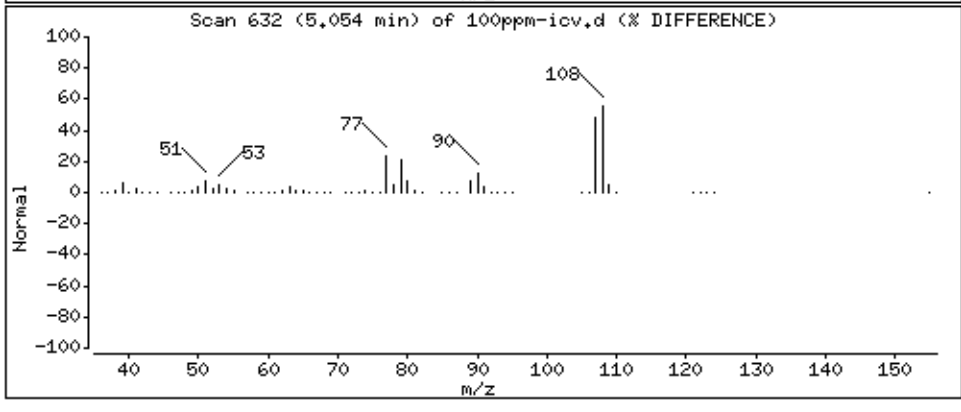
17 2,2'-Oxybis(1-chloropropane)

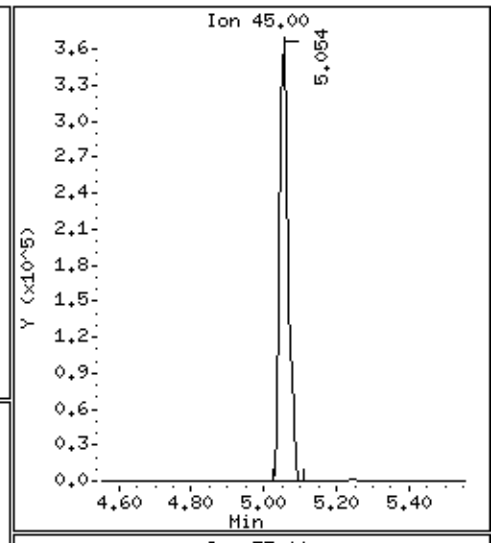
Concentration: 109.7 ug/L

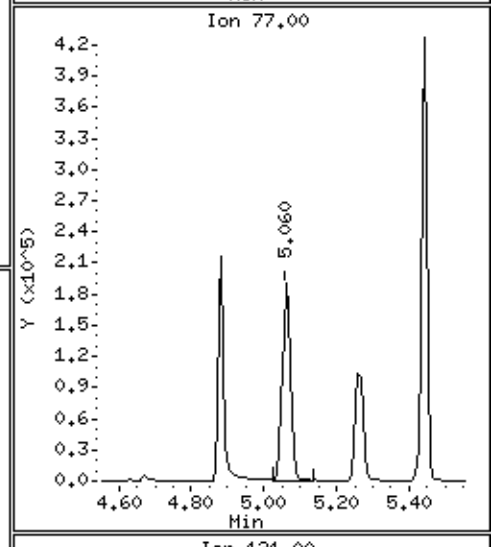


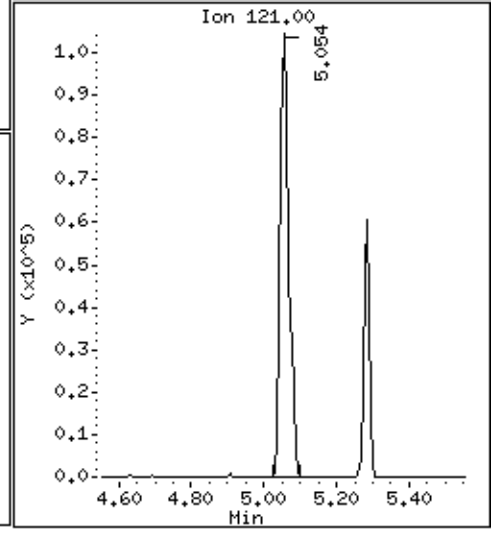












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

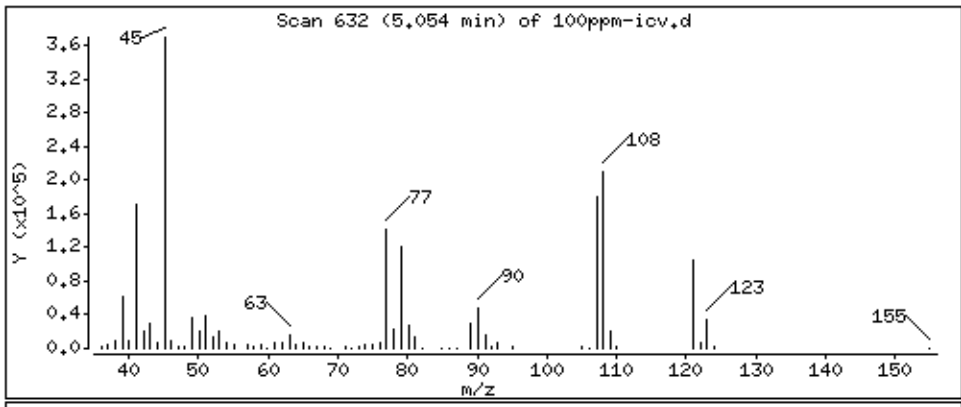
Operator: SN

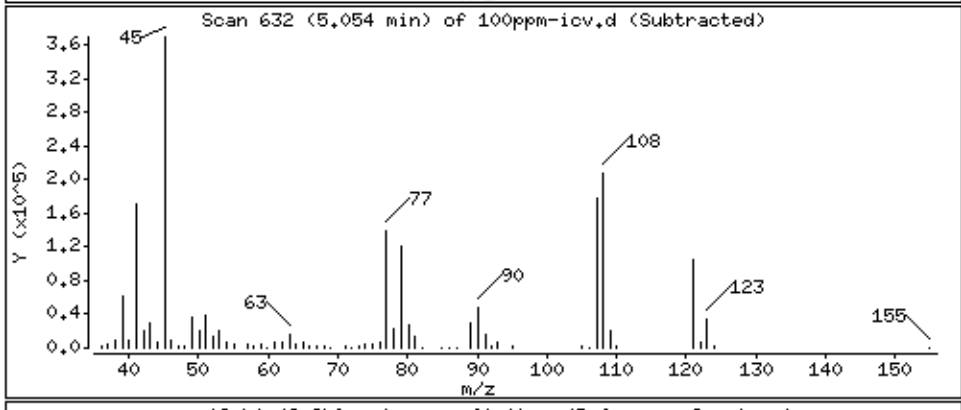
Column phase: .50um DB-5ms

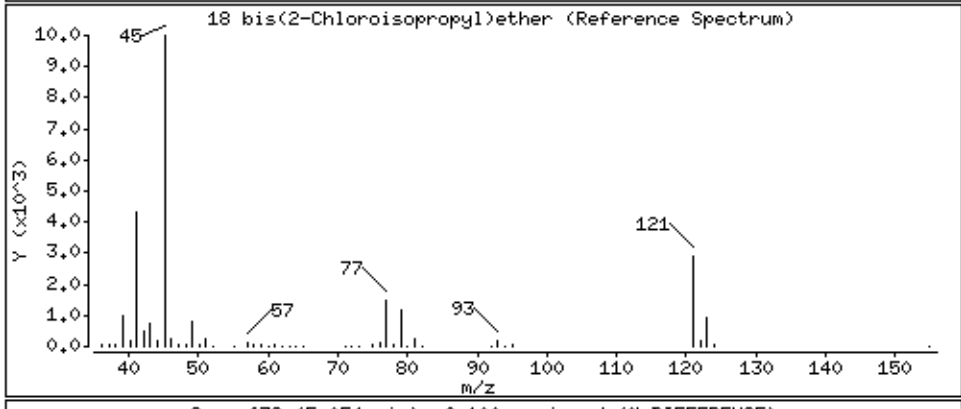
Column diameter: 0.25

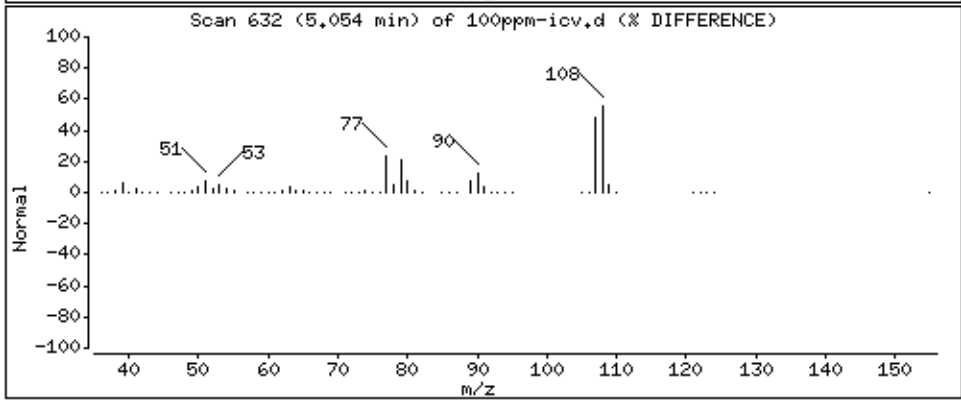
18 bis(2-Chloroisopropyl)ether

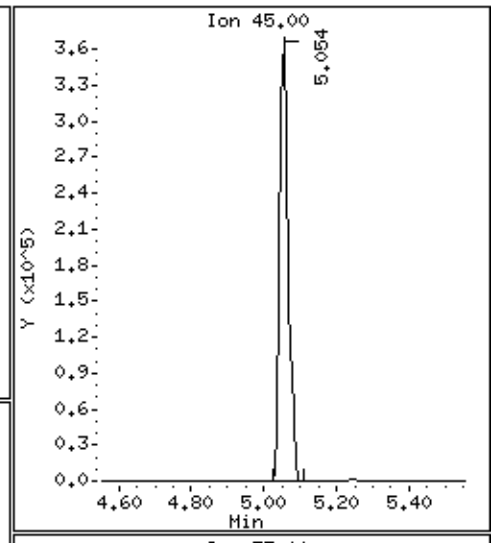
Concentration: 109.7 ug/L

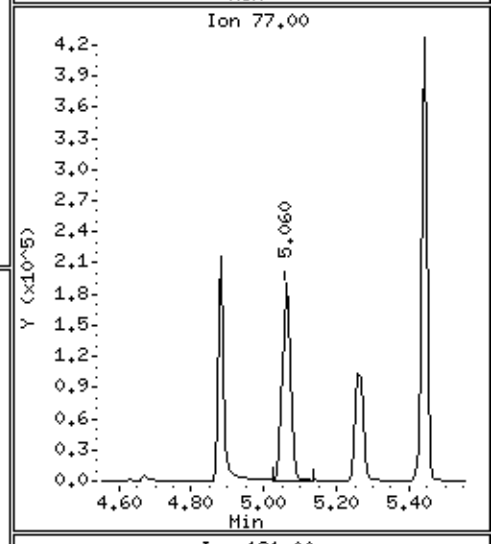


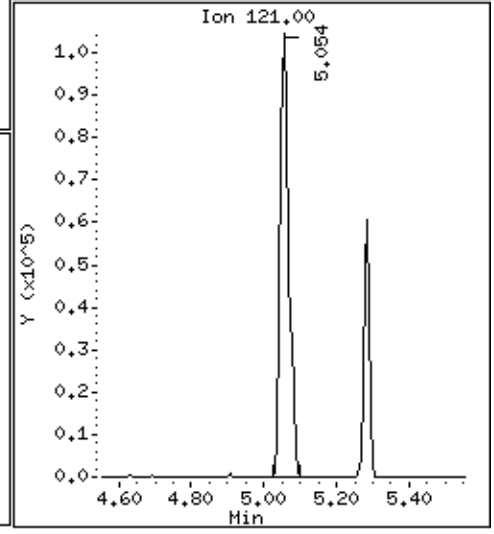












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

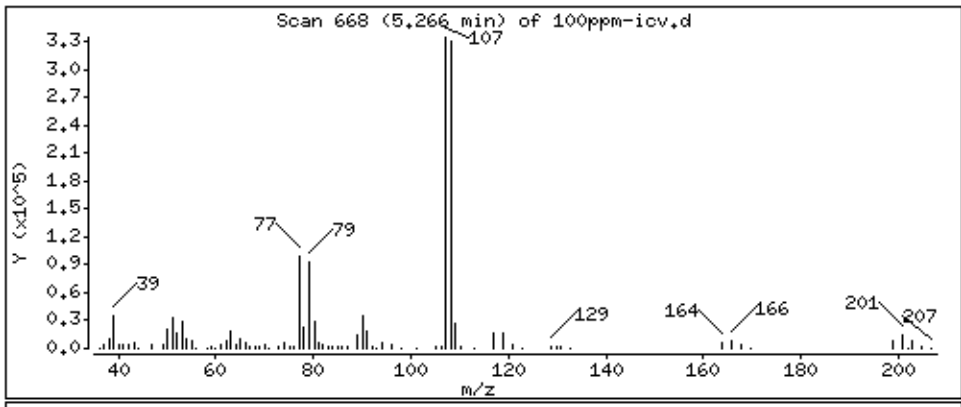
Operator: SN

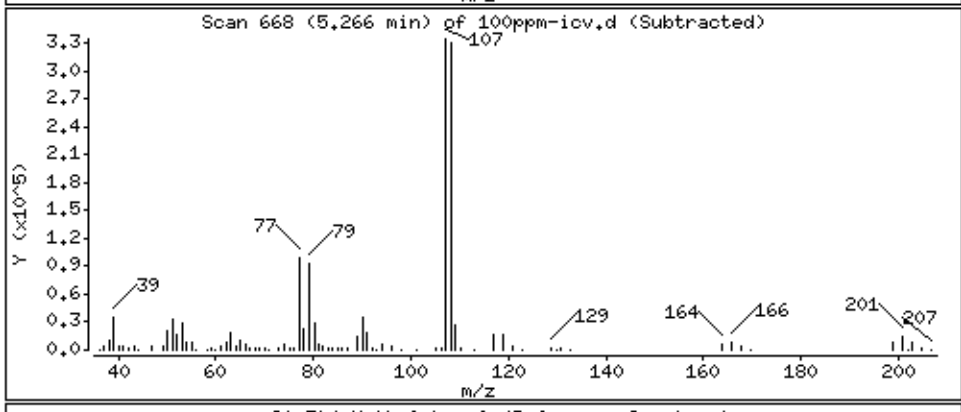
Column phase: .50um DB-5ms

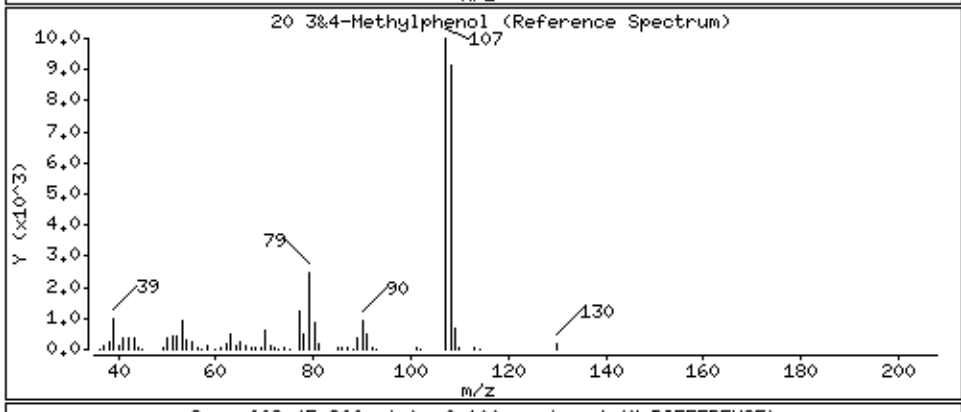
Column diameter: 0.25

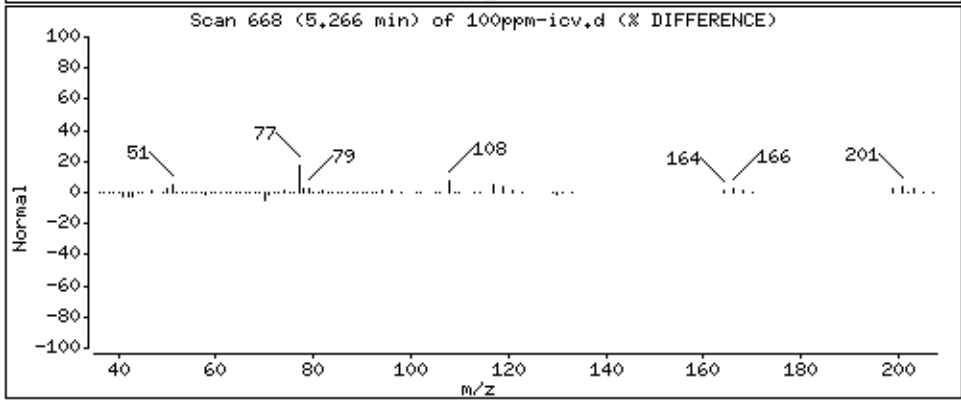
20 3&4-Methylphenol

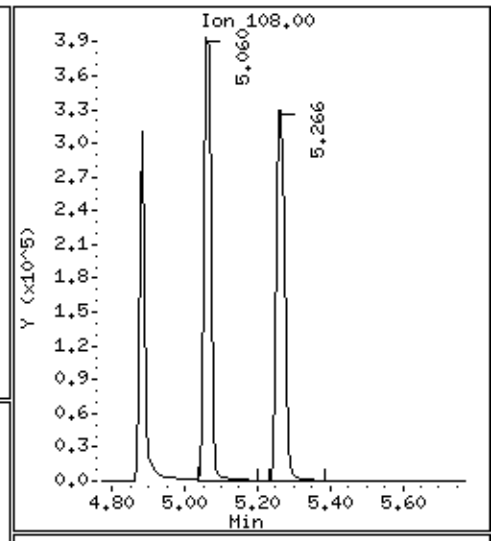
Concentration: 98.92 ug/L

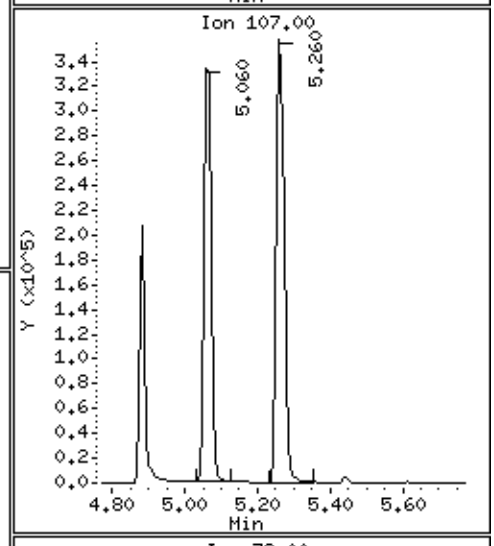


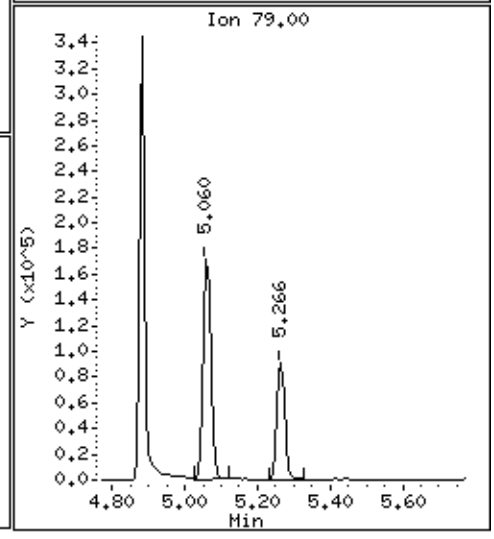












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

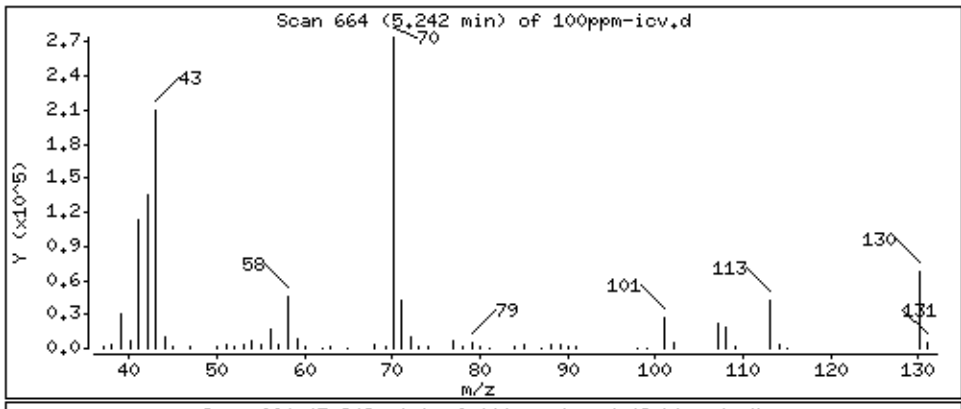
Operator: SN

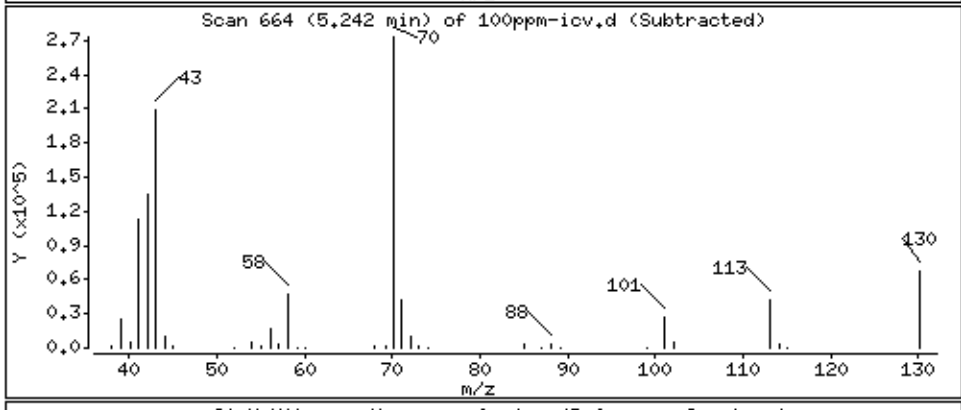
Column phase: .50um DB-5ms

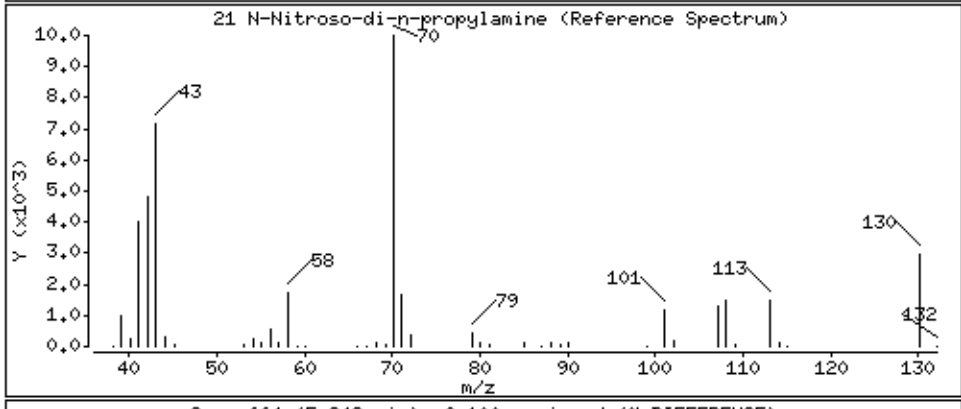
Column diameter: 0.25

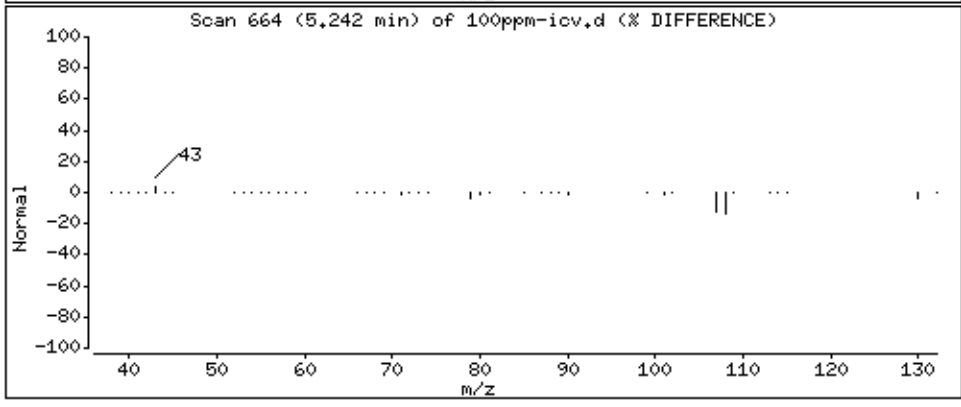
21 N-Nitroso-di-n-propylamine

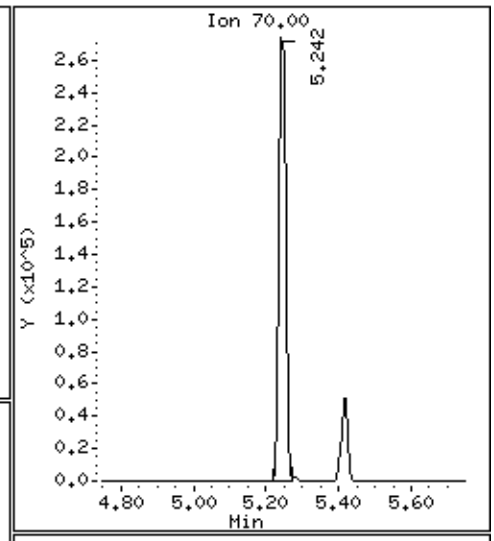
Concentration: 98.69 ug/L

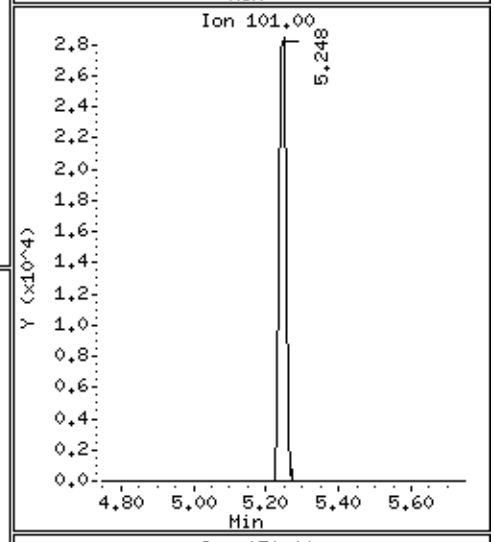


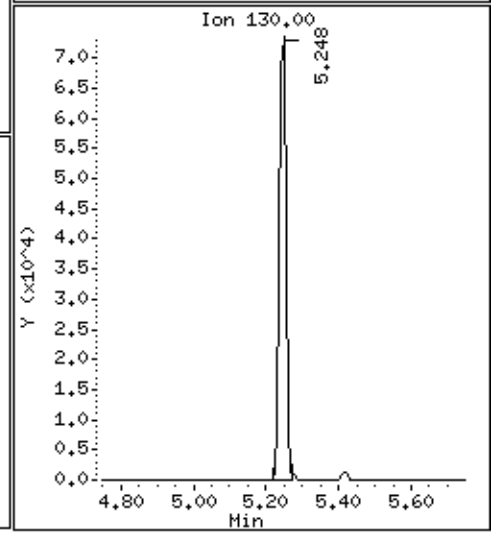












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

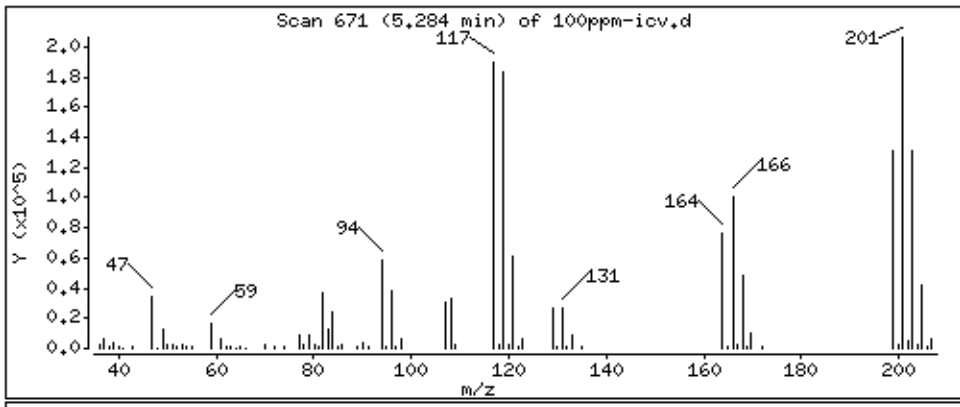
Operator: SN

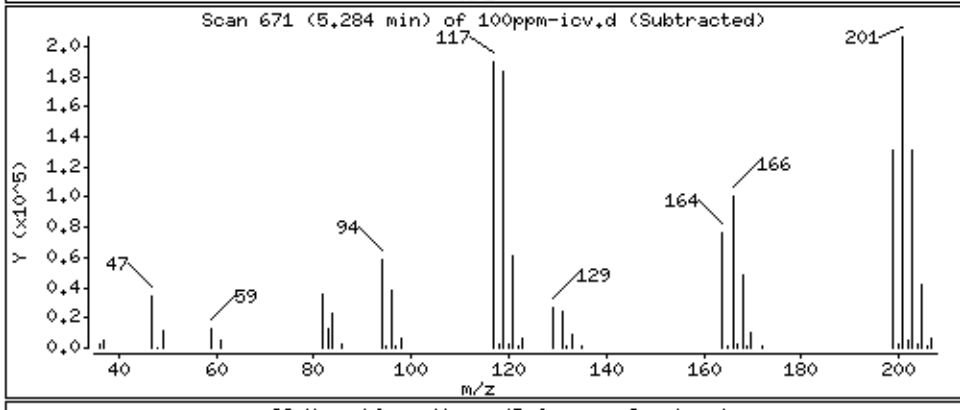
Column phase: .50um DB-5ms

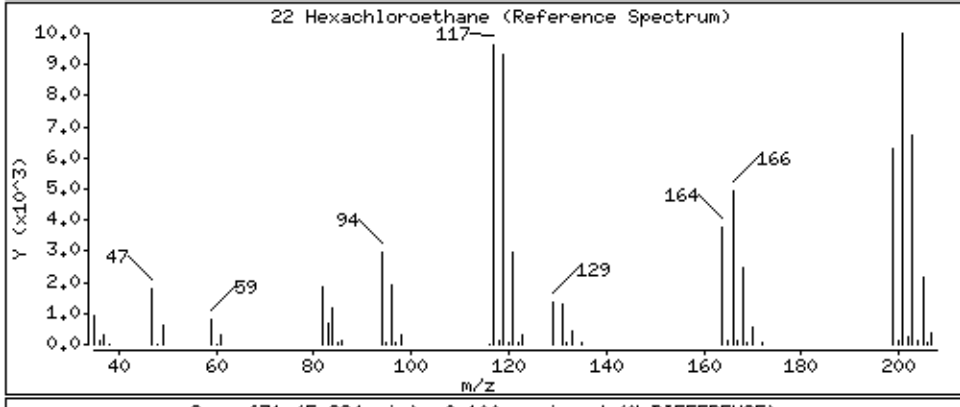
Column diameter: 0.25

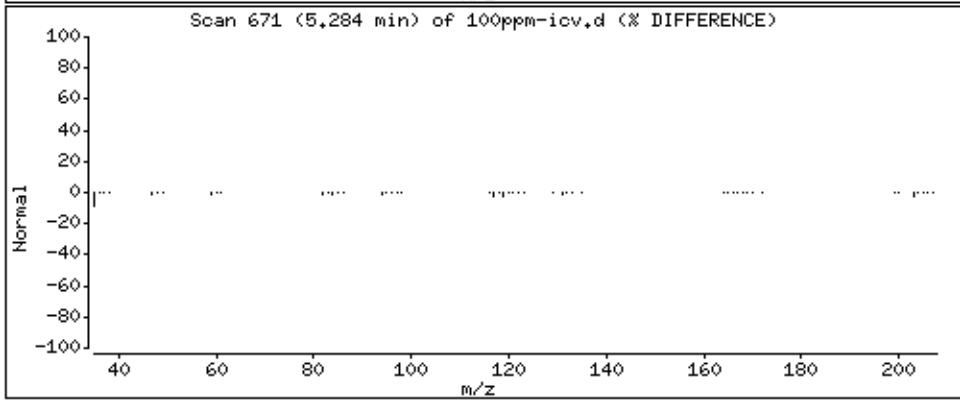
22 Hexachloroethane

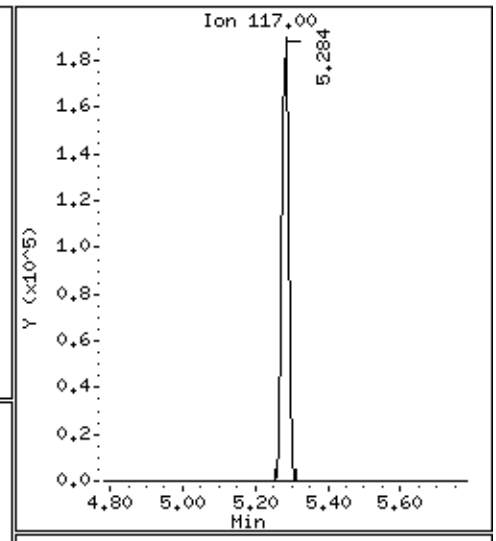
Concentration: 98.93 ug/L

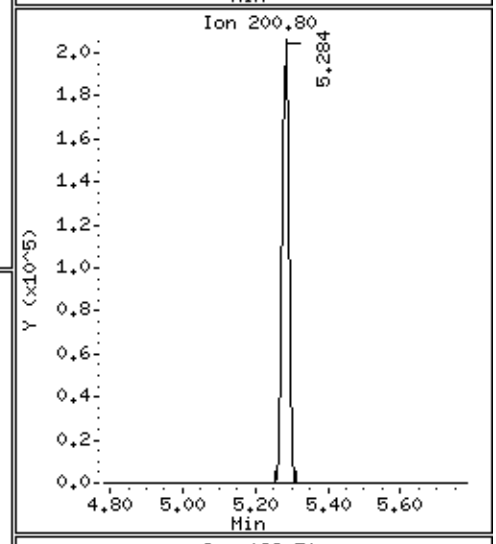


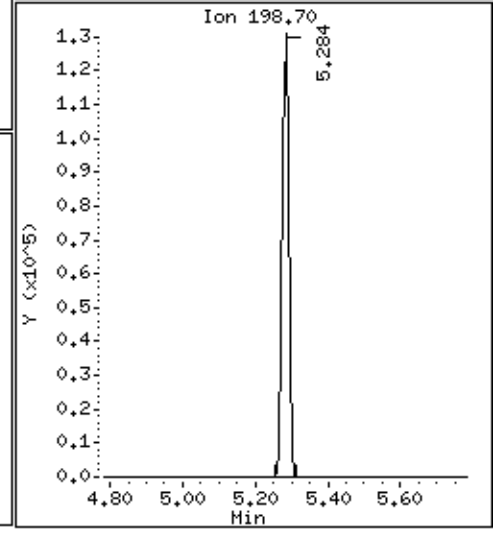












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

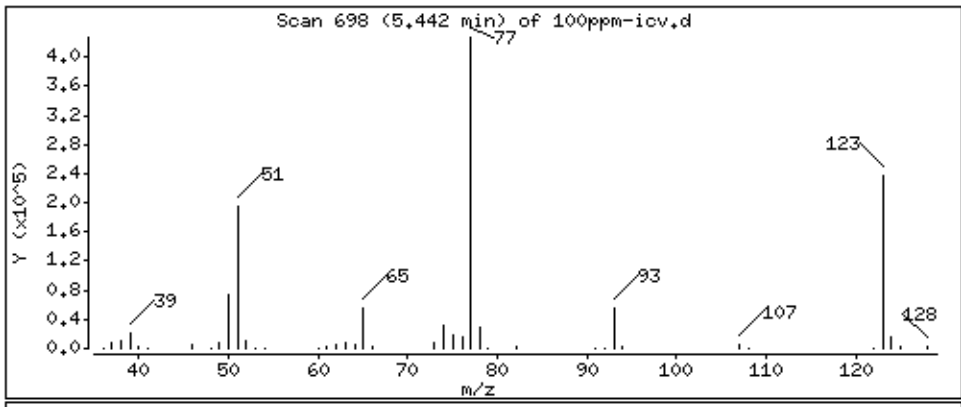
Operator: SN

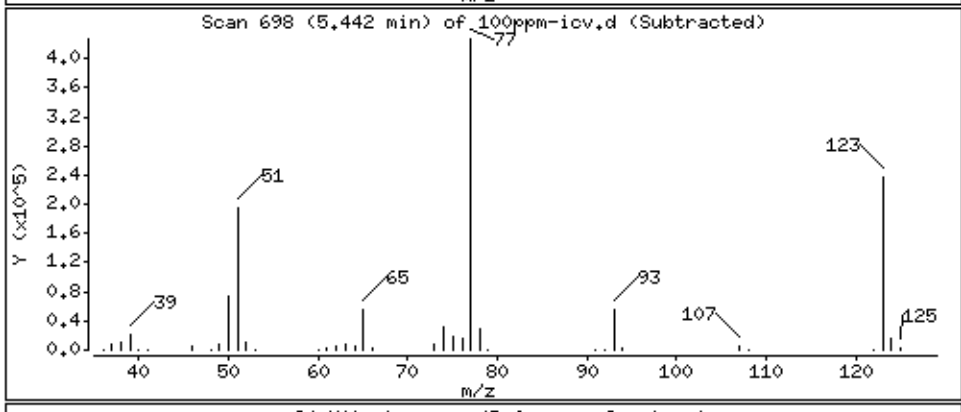
Column phase: .50um DB-5ms

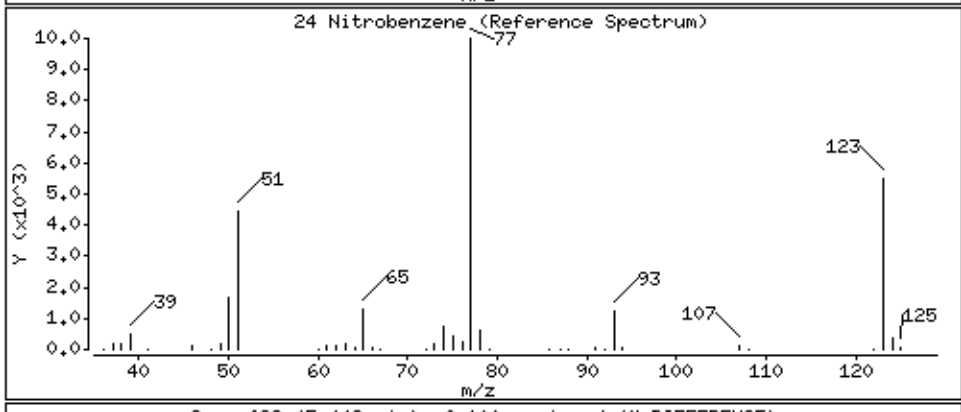
Column diameter: 0.25

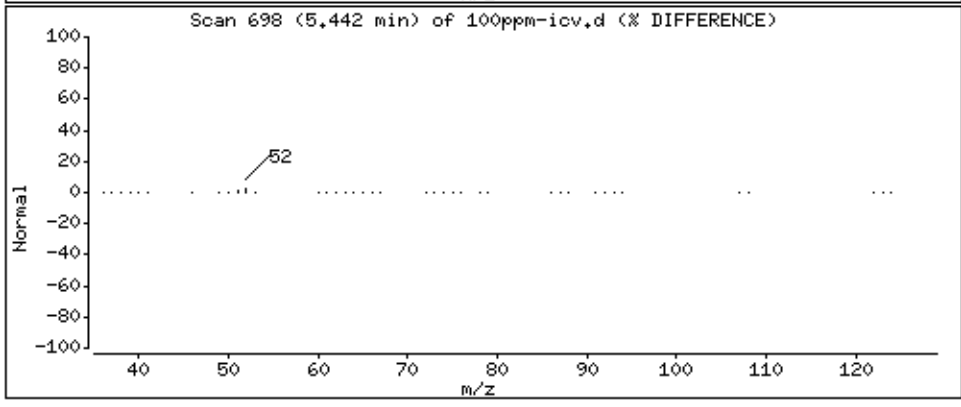
24 Nitrobenzene

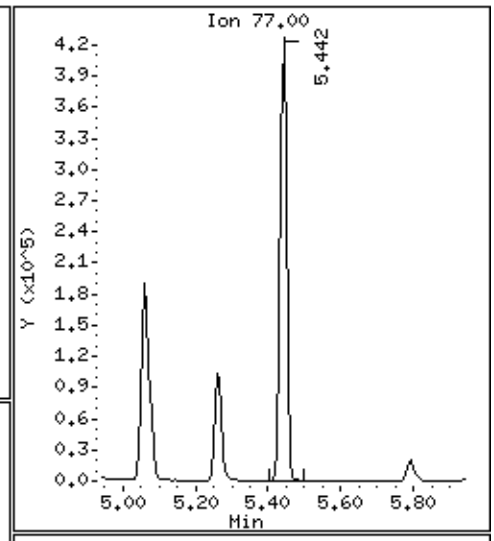
Concentration: 100.4 ug/L

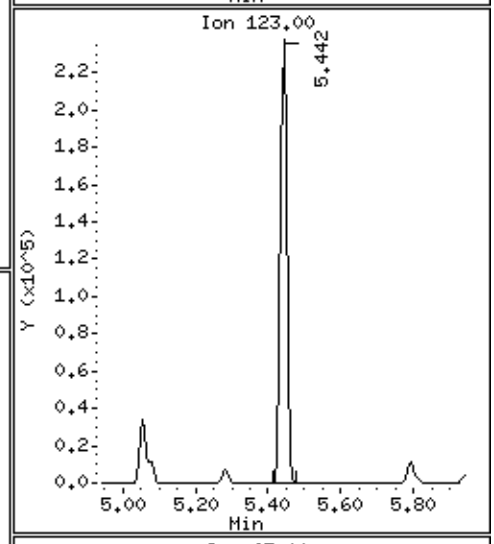


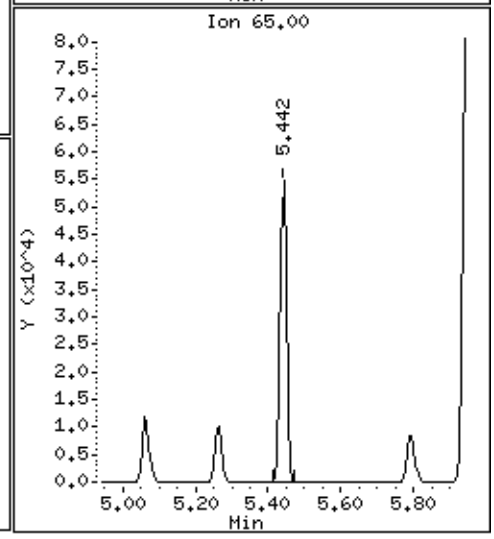












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

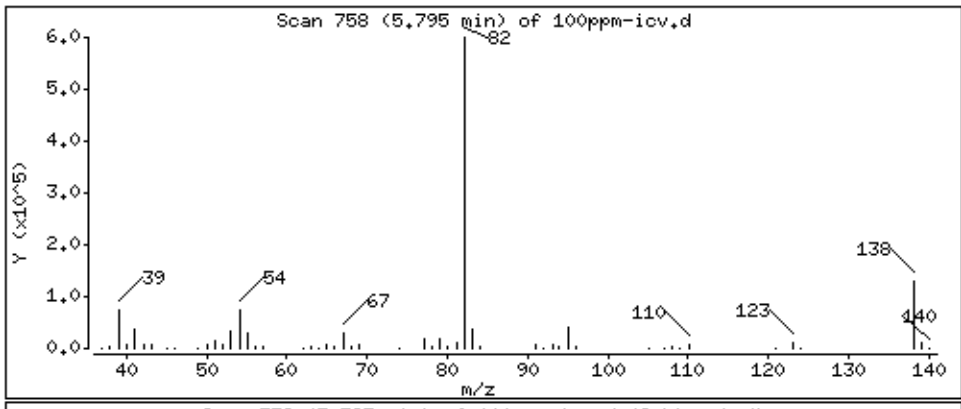
Operator: SN

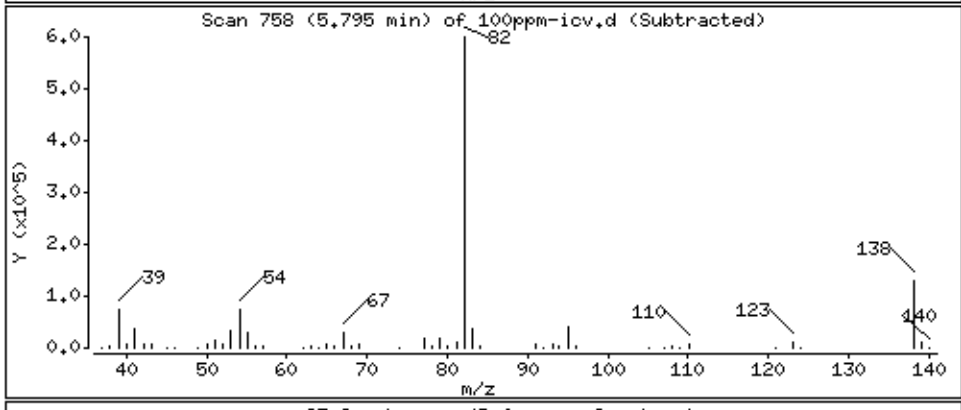
Column phase: .50um DB-5ms

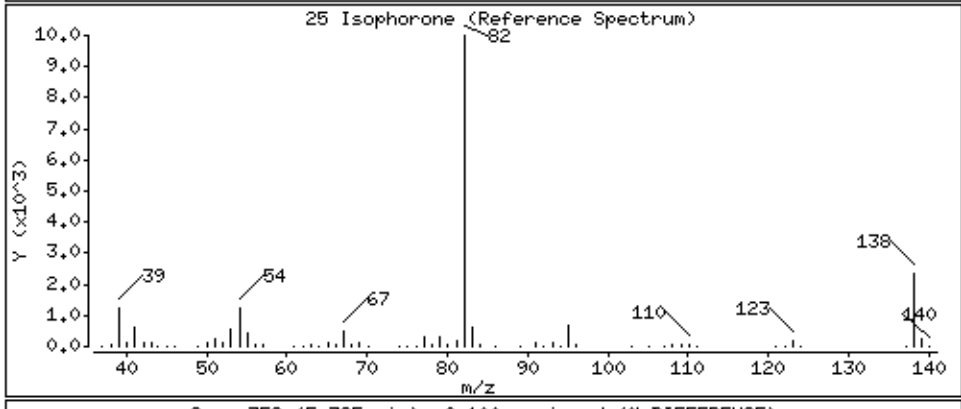
Column diameter: 0.25

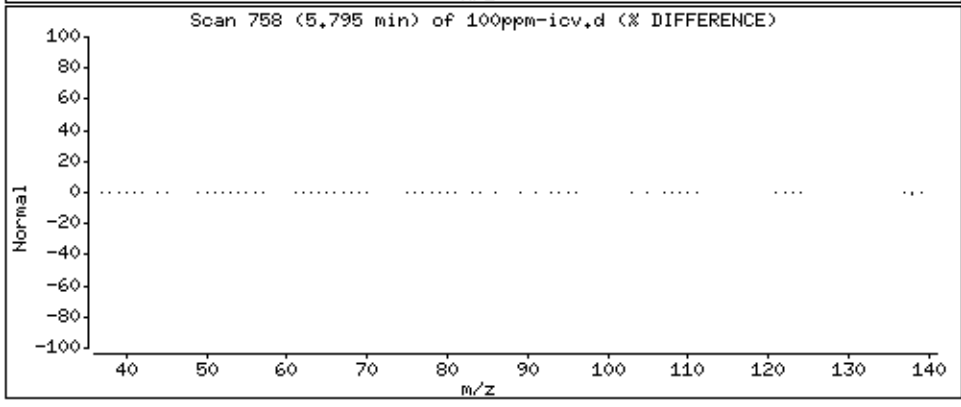
25 Isophorone

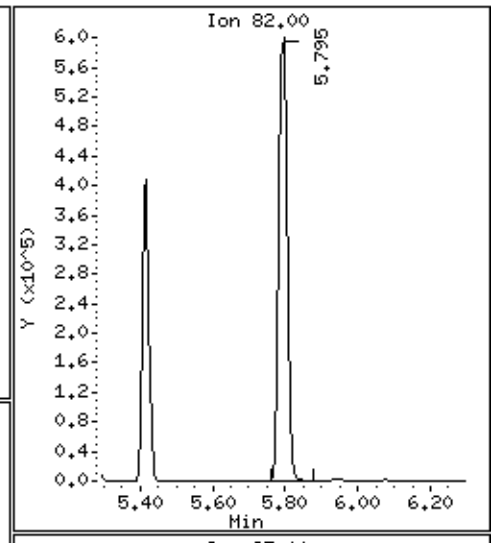
Concentration: 97.96 ug/L

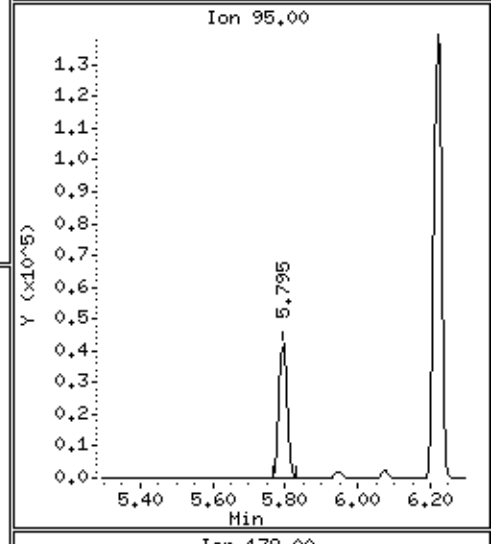


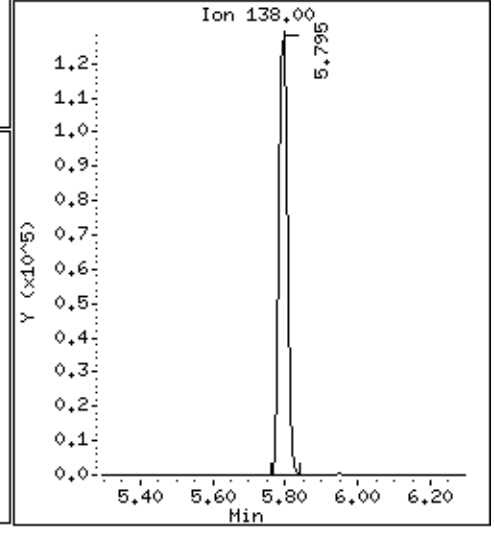












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

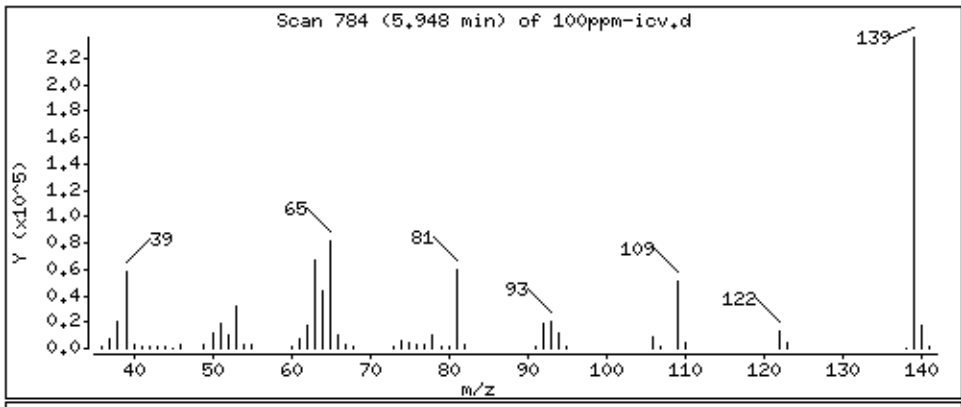
Operator: SN

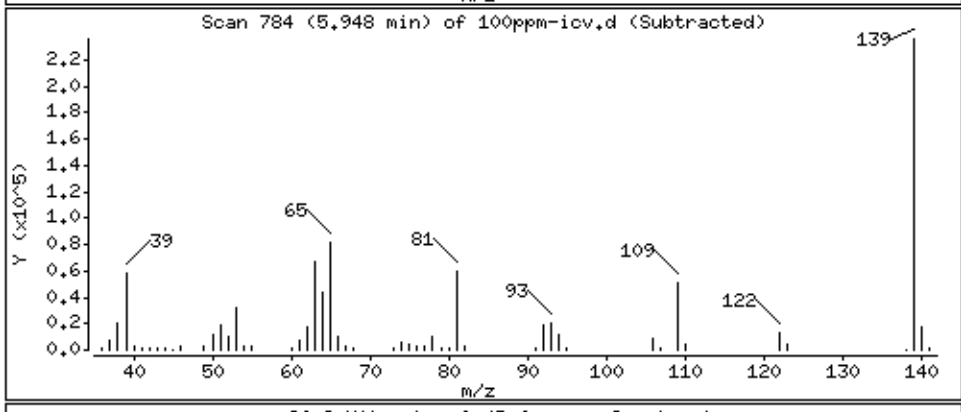
Column phase: .50um DB-5ms

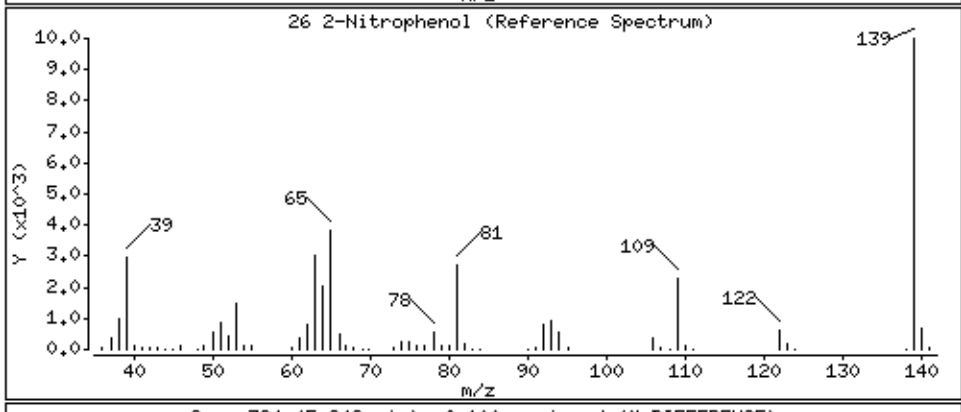
Column diameter: 0.25

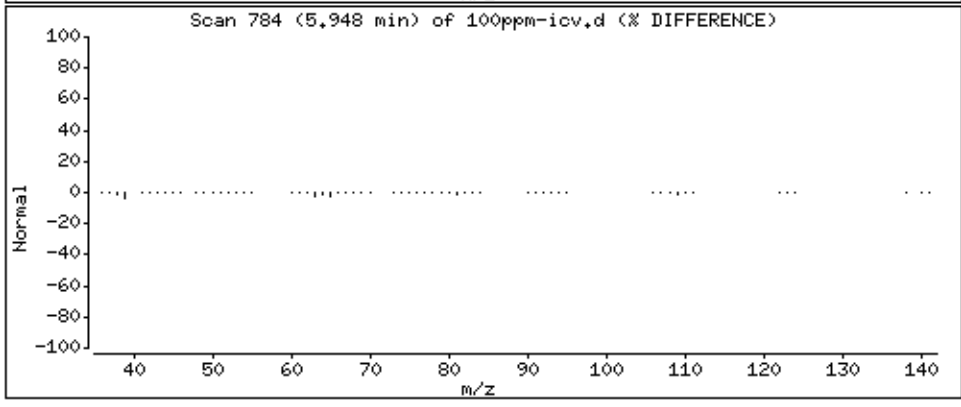
26 2-Nitrophenol

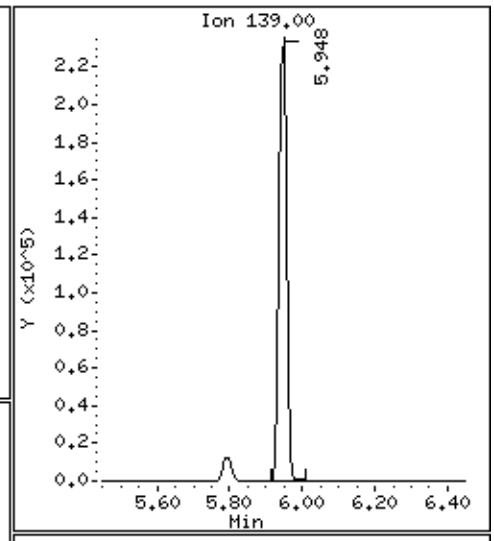
Concentration: 100.5 ug/L

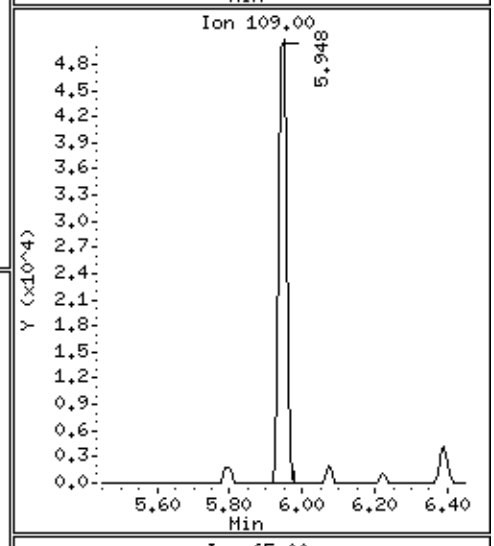


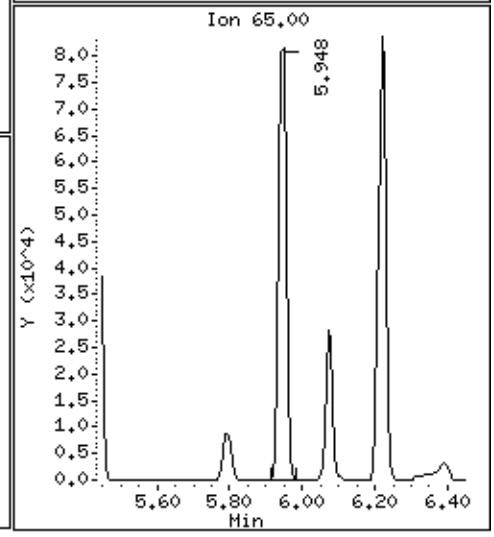












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

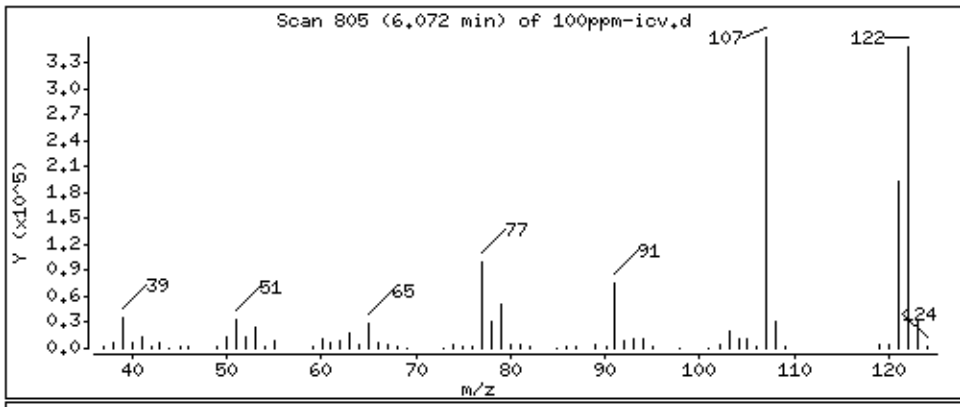
Operator: SN

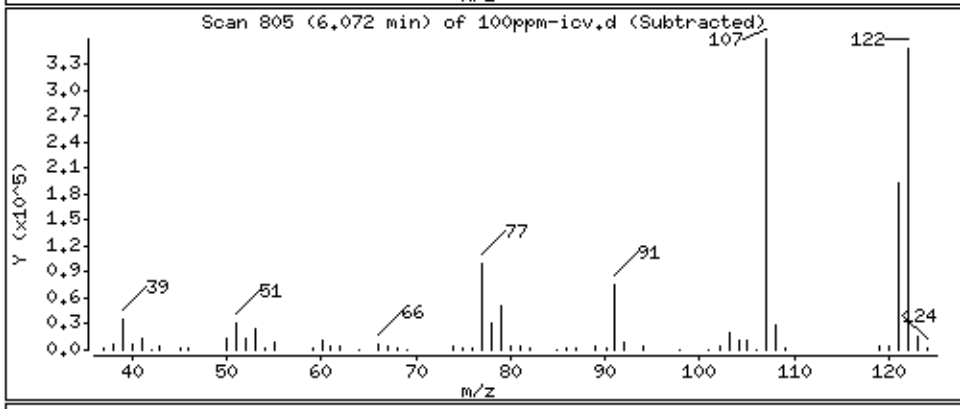
Column phase: .50um DB-5ms

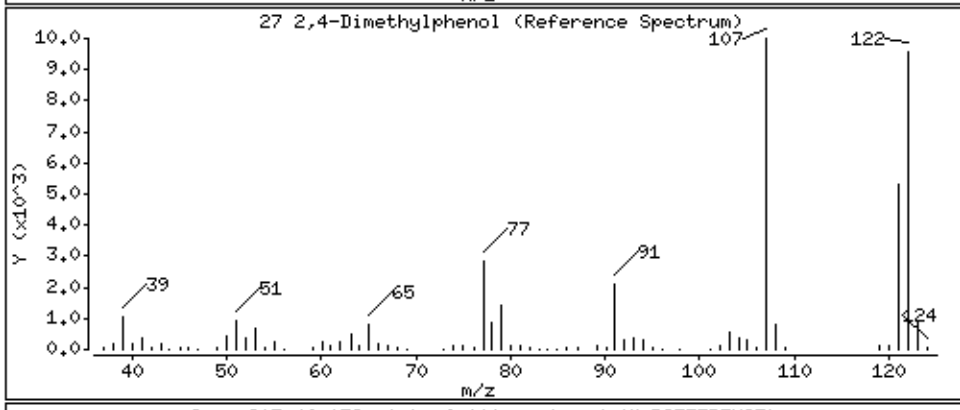
Column diameter: 0.25

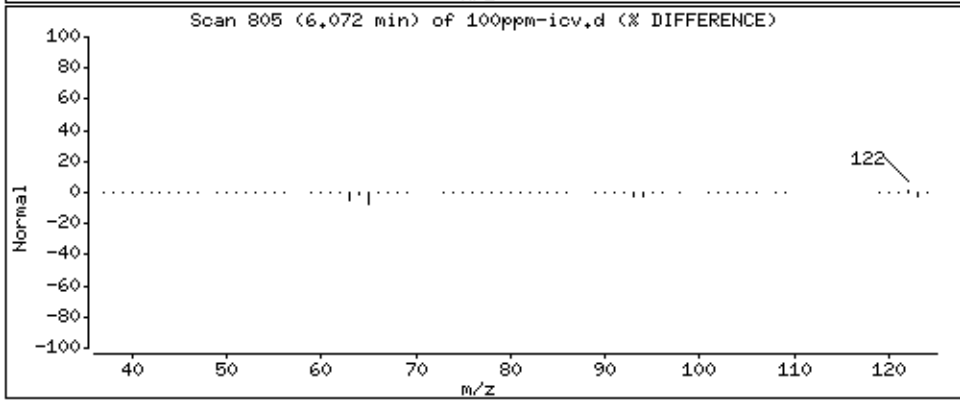
27 2,4-Dimethylphenol

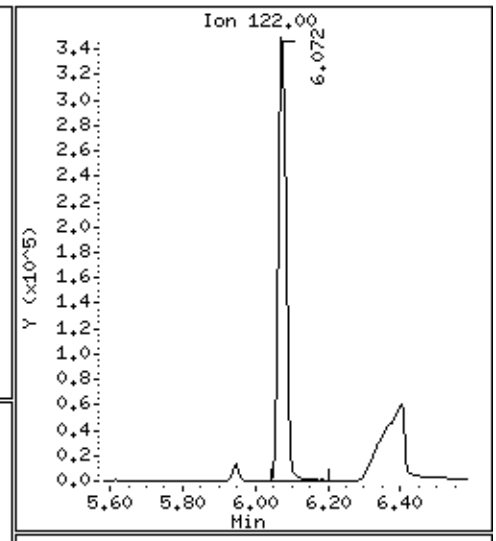
Concentration: 100.6 ug/L

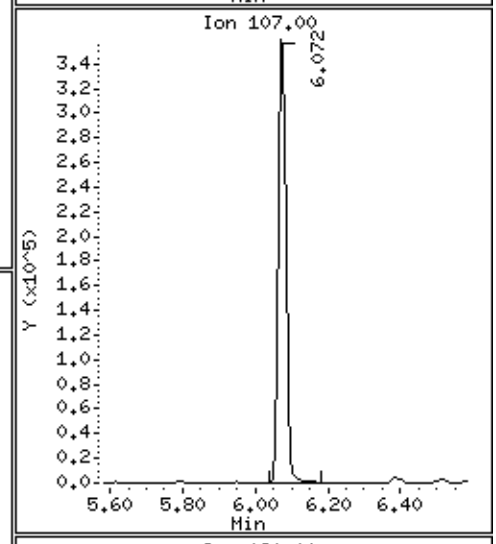


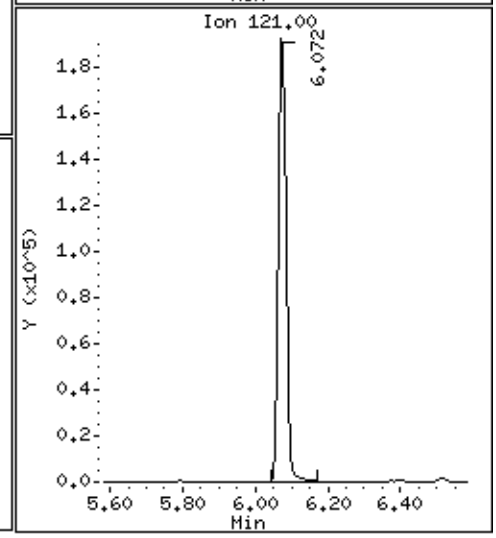












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

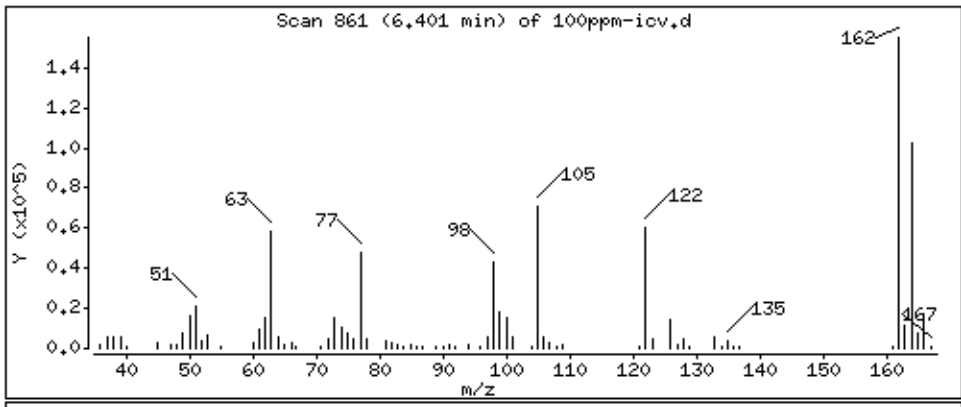
Operator: SN

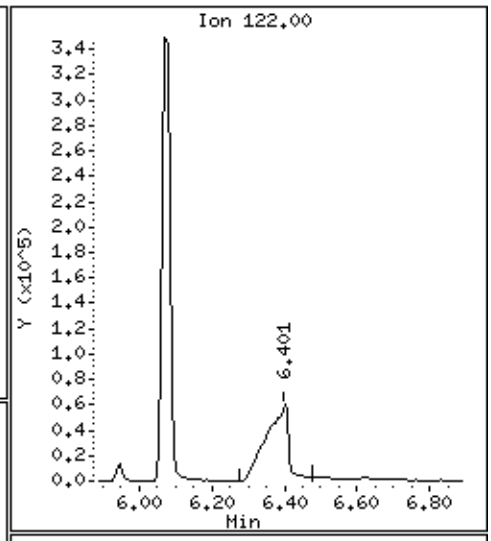
Column phase: .50um DB-5ms

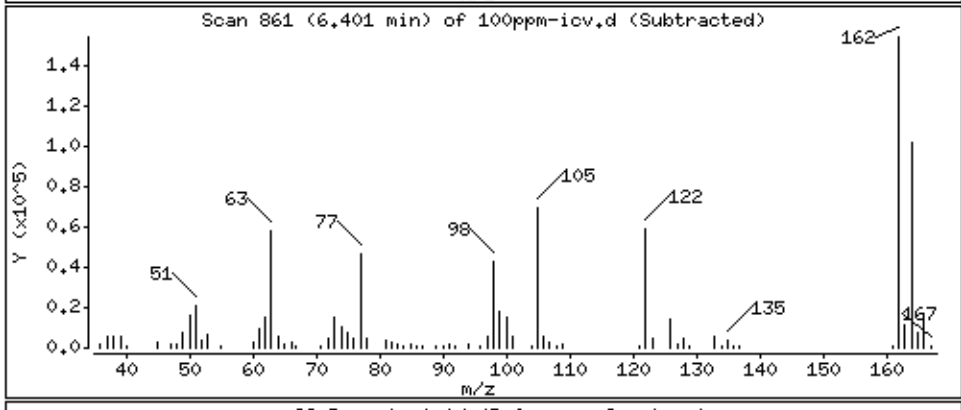
Column diameter: 0.25

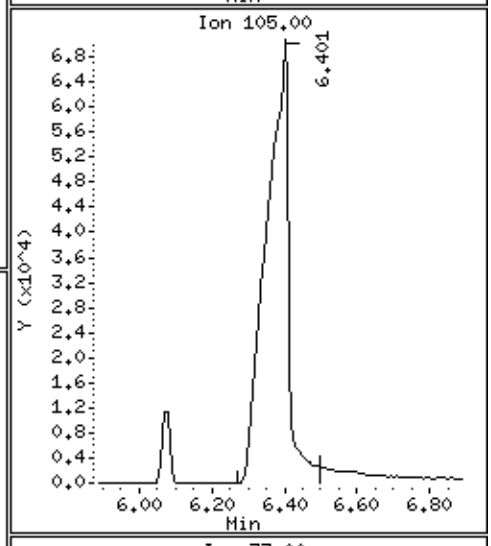
28 Benzoic Acid

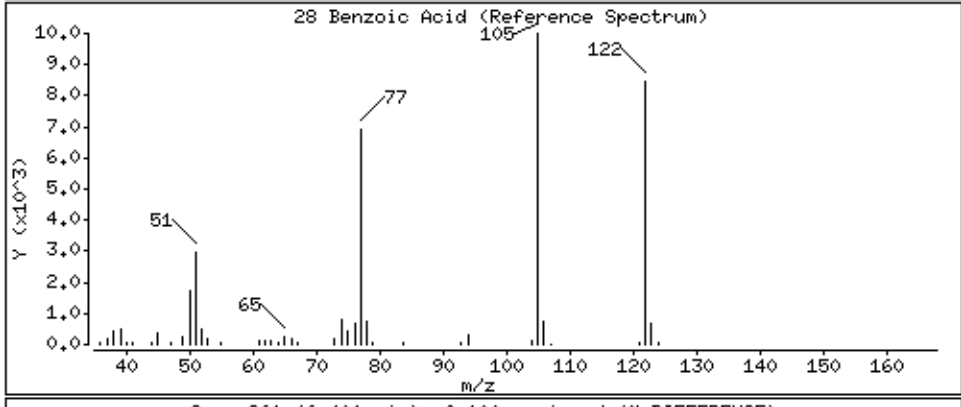
Concentration: 142.2 ug/L

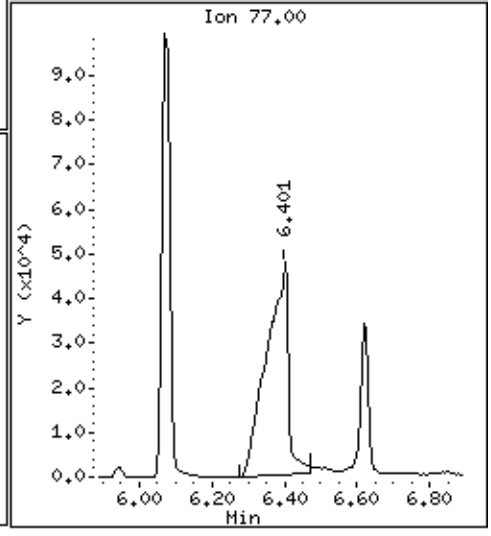


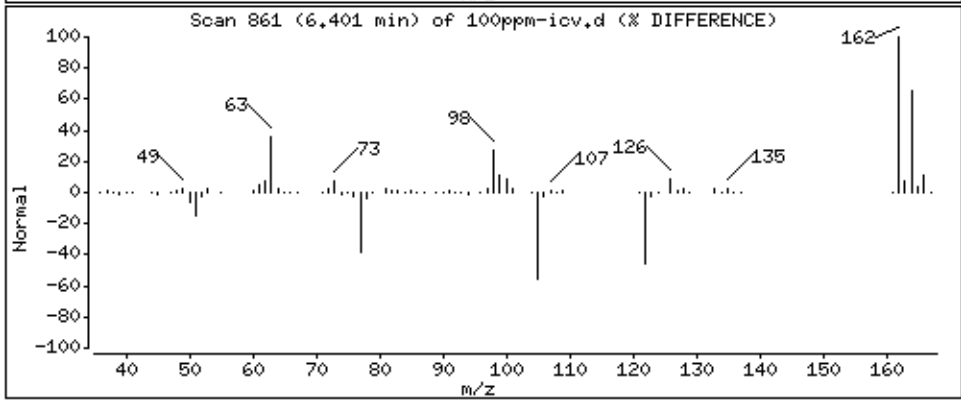












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

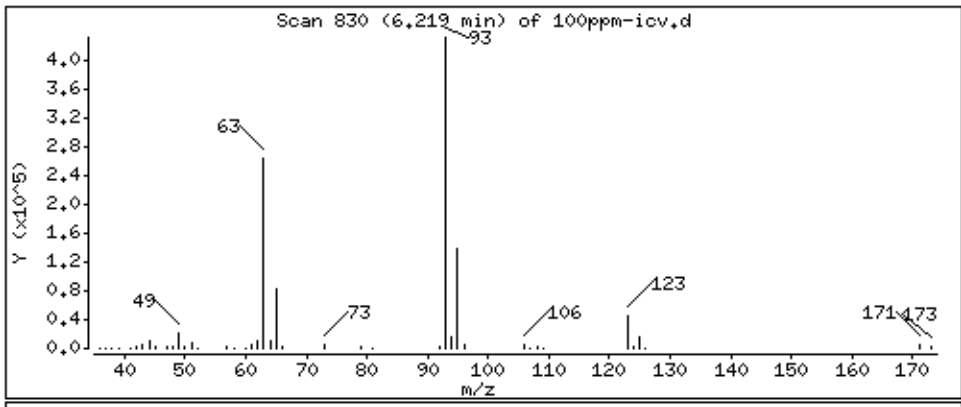
Operator: SN

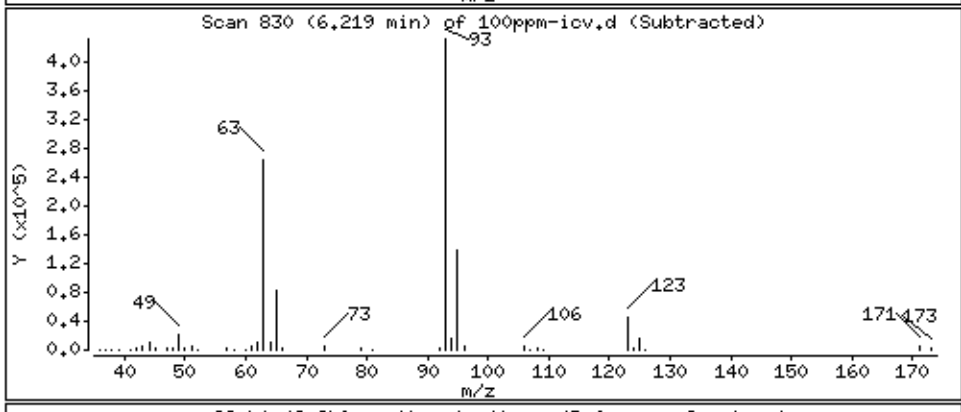
Column phase: .50um DB-5ms

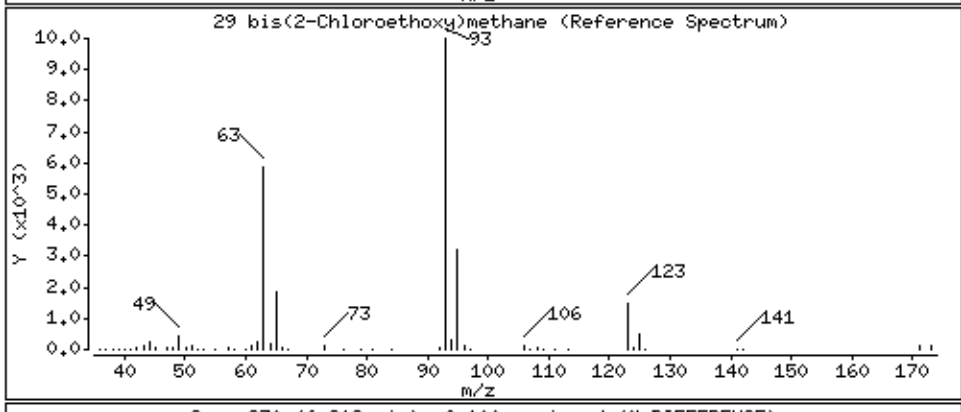
Column diameter: 0.25

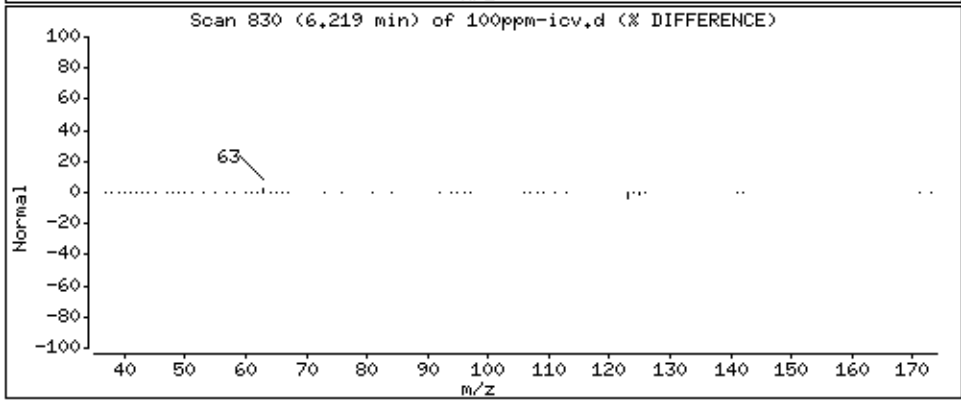
29 bis(2-Chloroethoxy)methane

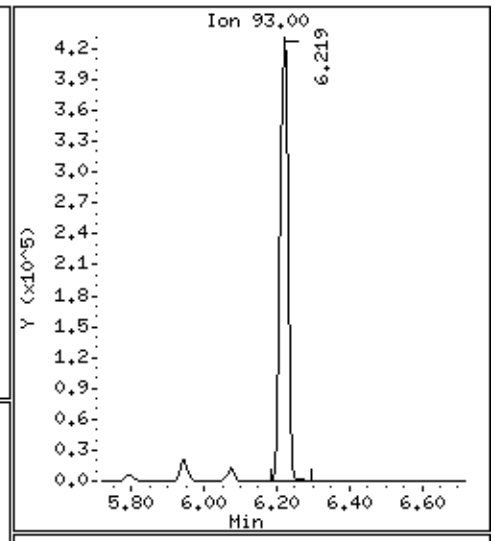
Concentration: 102.5 ug/L

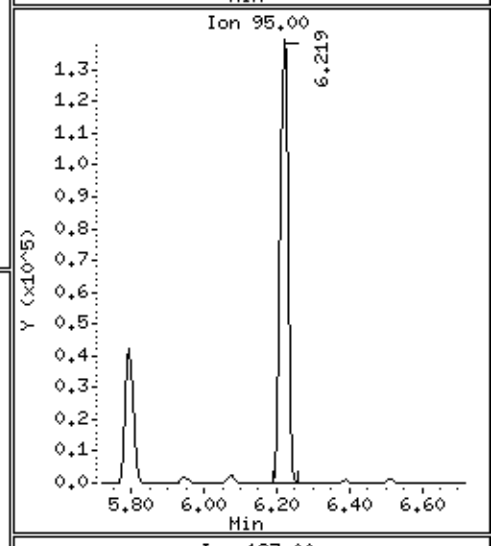


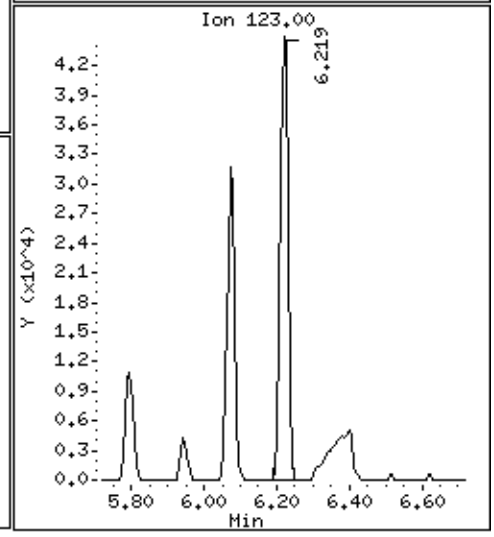












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

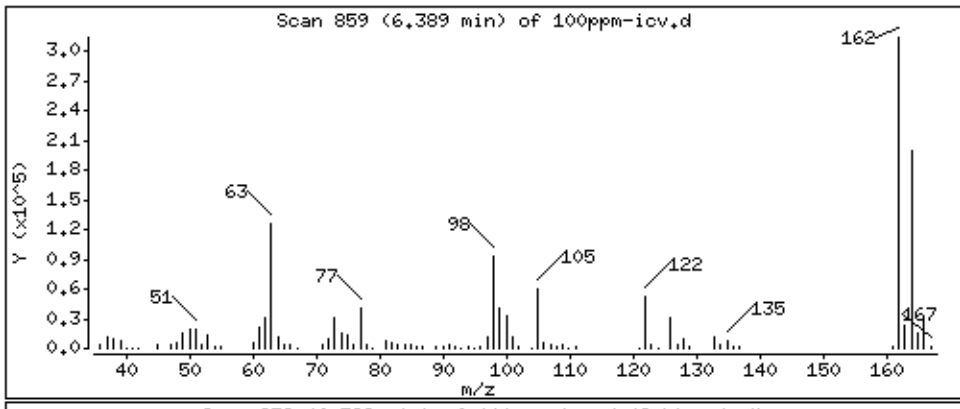
Operator: SN

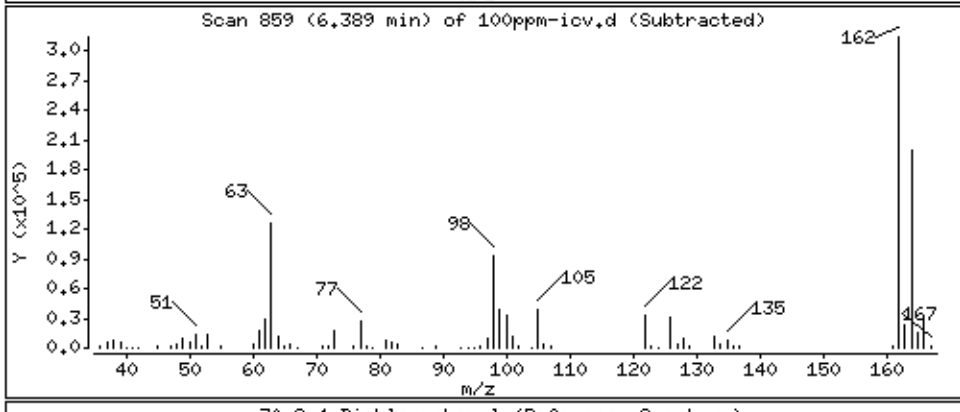
Column phase: .50um DB-5ms

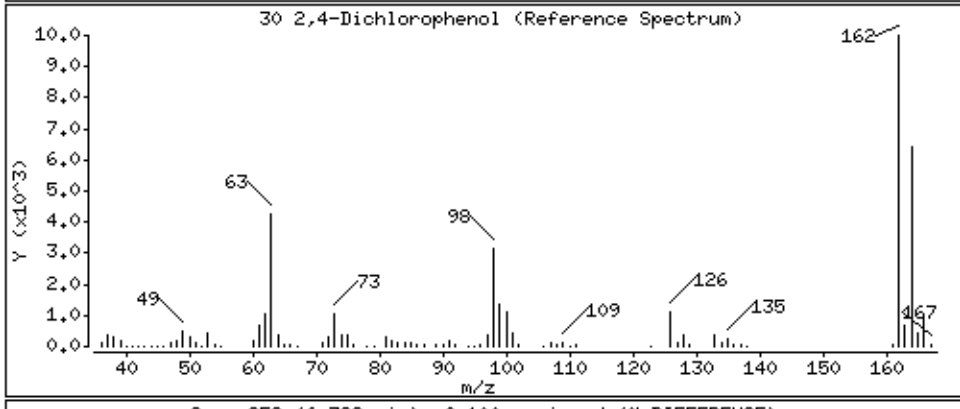
Column diameter: 0.25

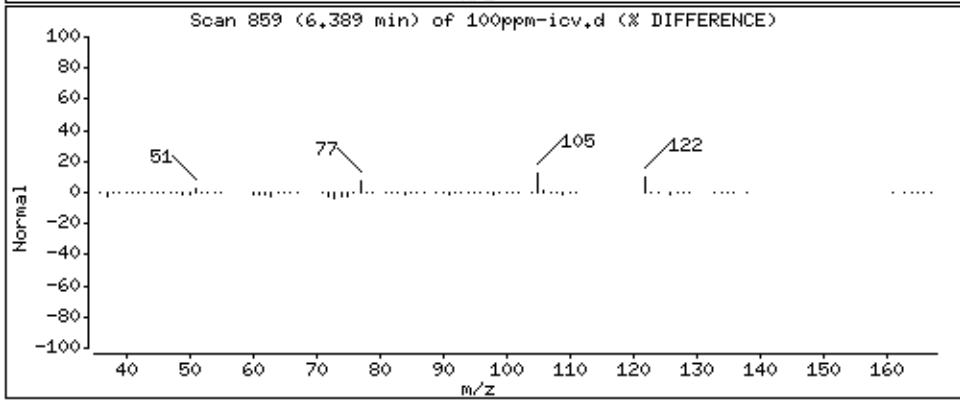
30 2,4-Dichlorophenol

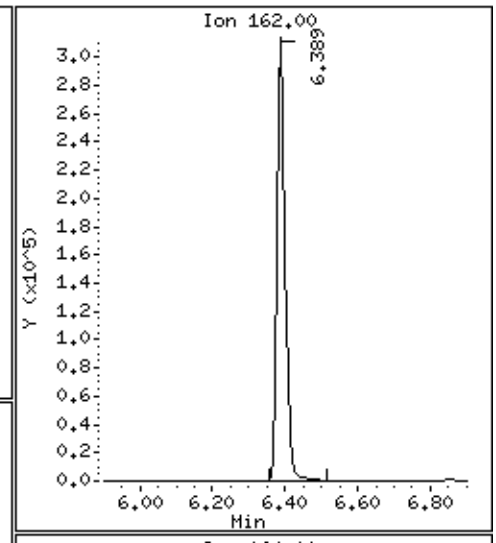
Concentration: 99.48 ug/L

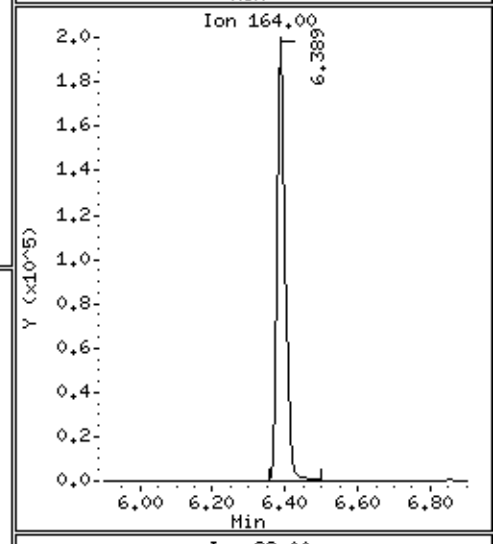


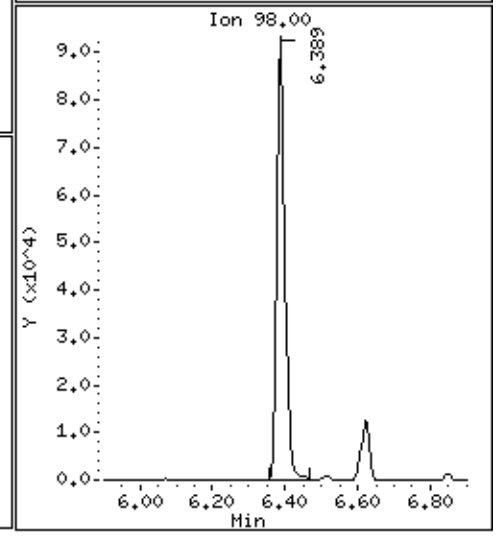












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

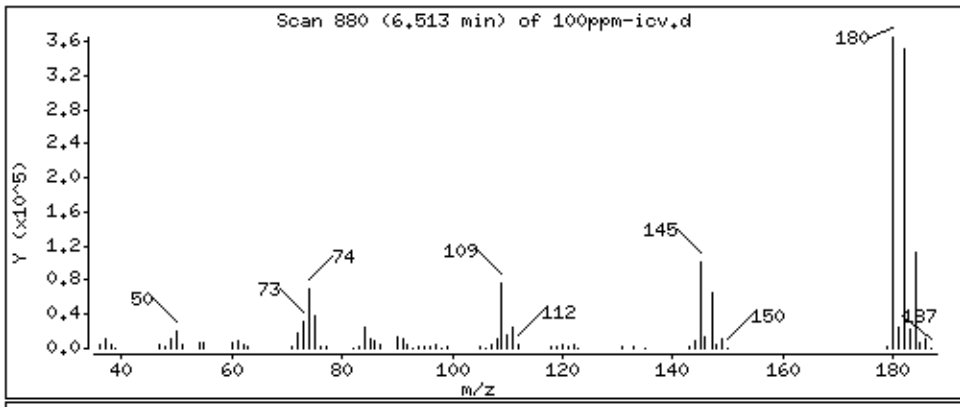
Operator: SN

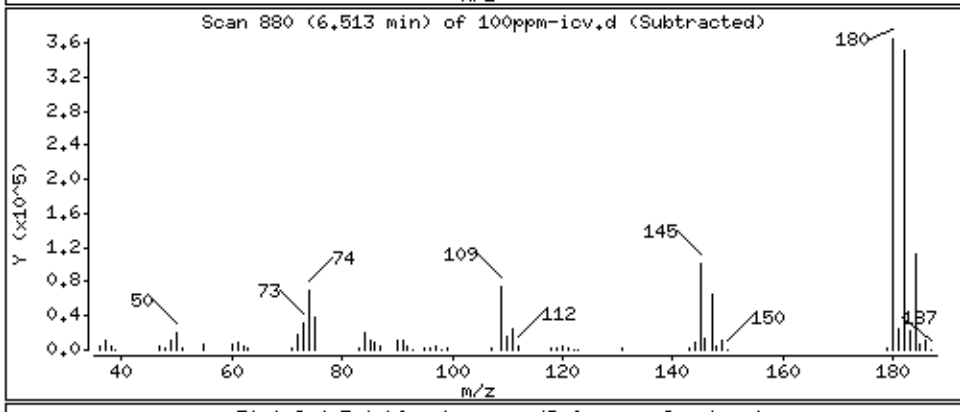
Column phase: .50um DB-5ms

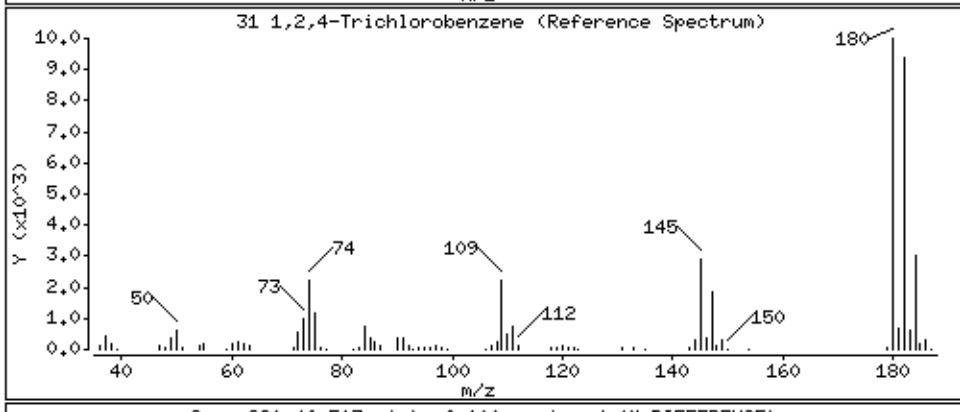
Column diameter: 0.25

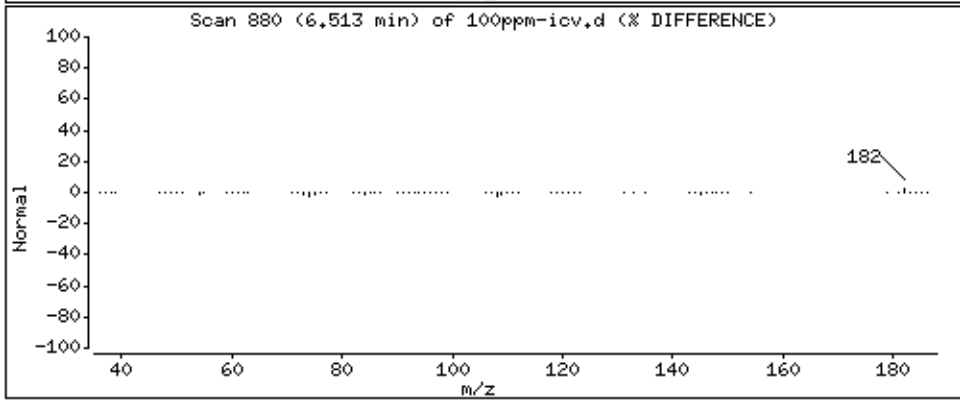
31 1,2,4-Trichlorobenzene

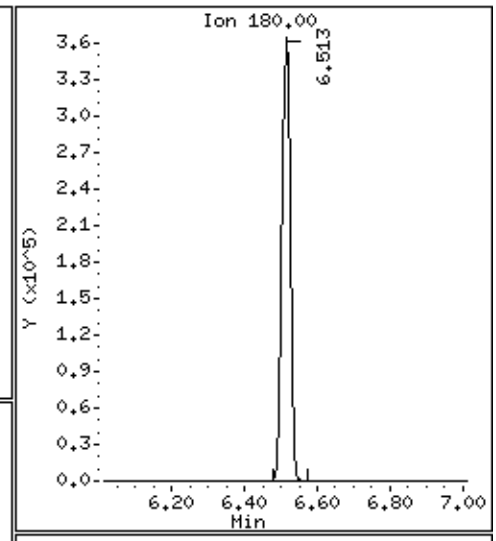
Concentration: 100.3 ug/L

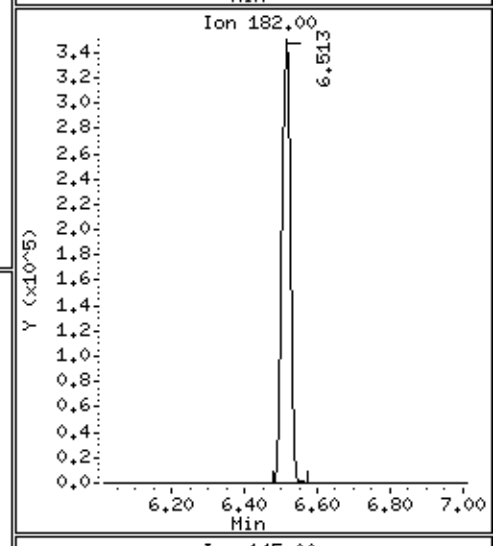


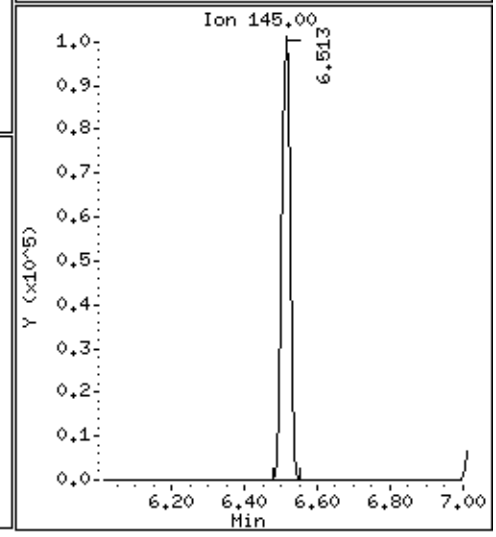












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

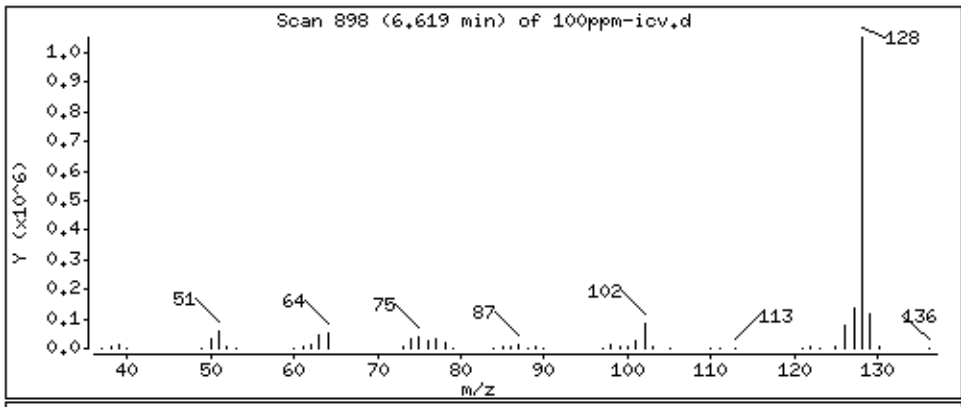
Operator: SN

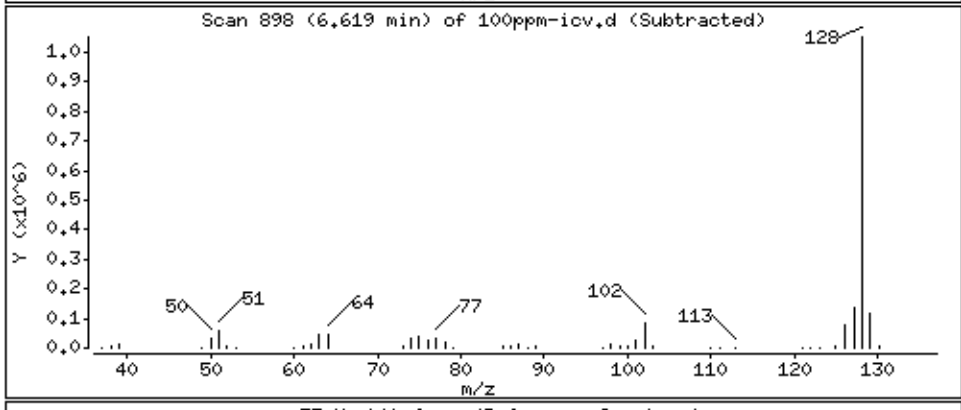
Column phase: .50um DB-5ms

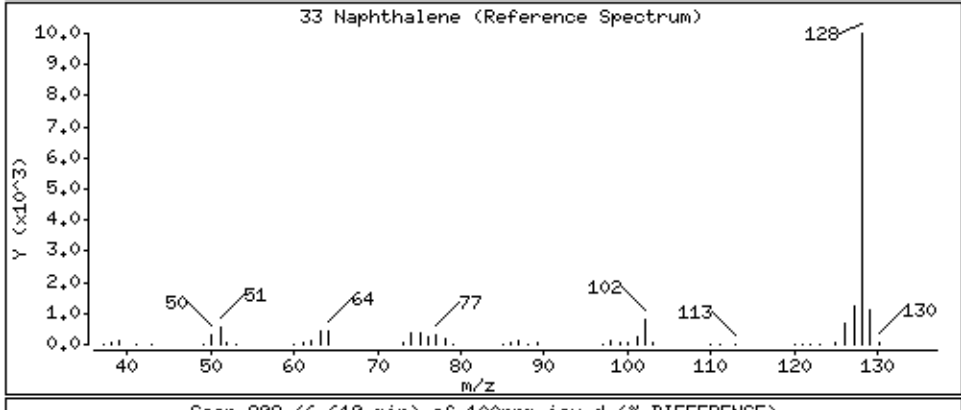
Column diameter: 0.25

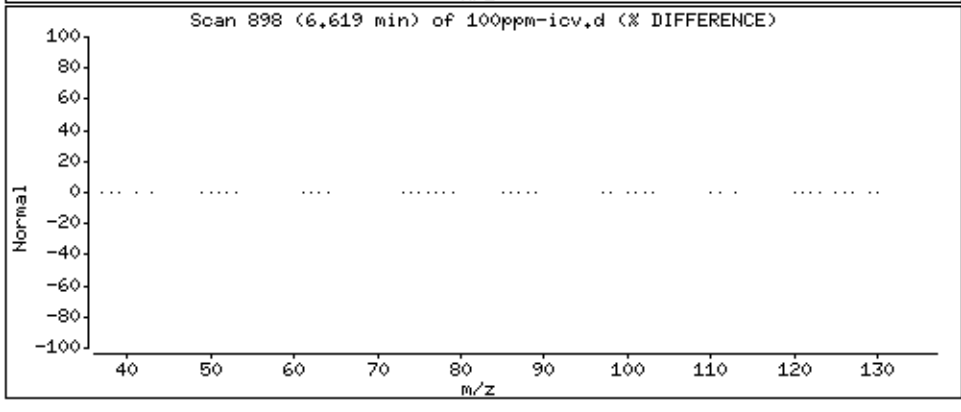
33 Naphthalene

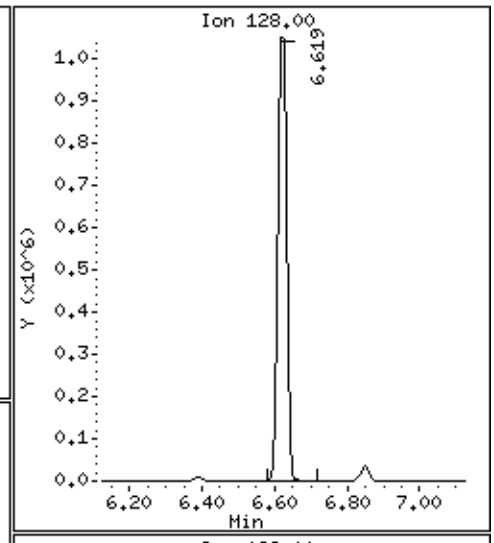
Concentration: 97.38 ug/L

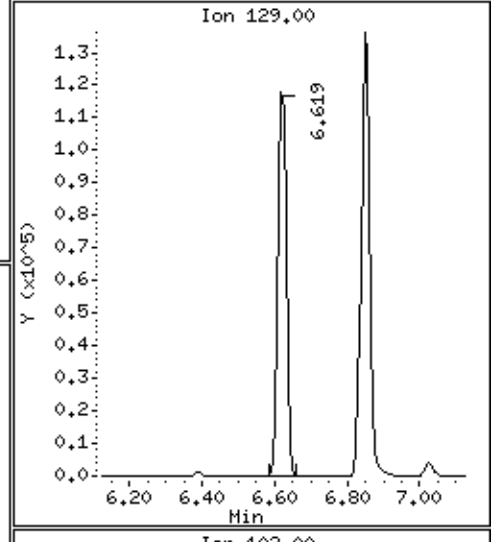


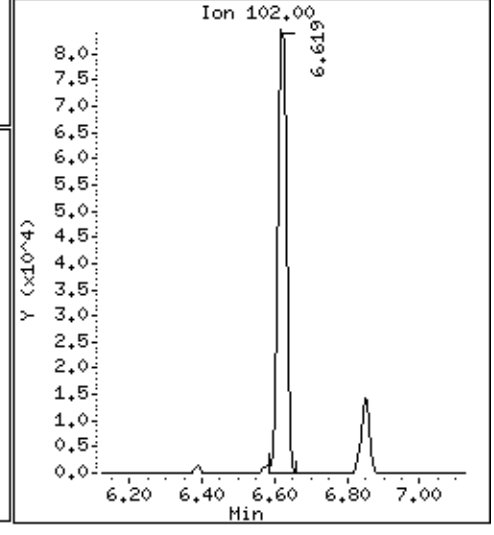












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Page 30

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

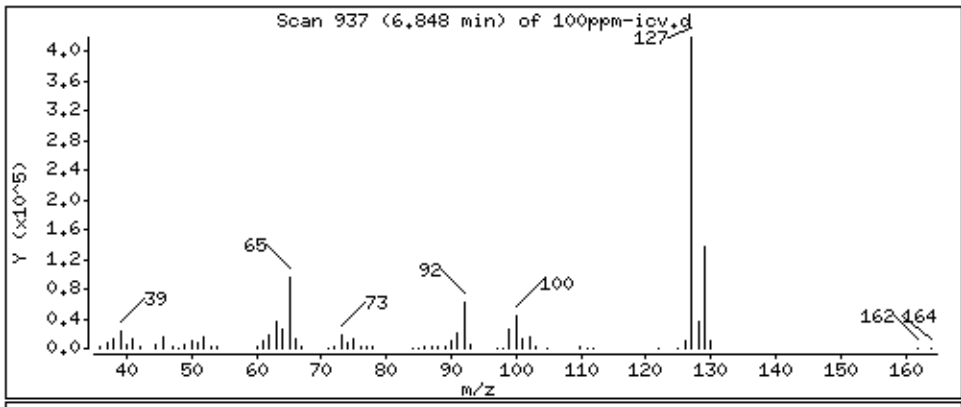
Operator: SN

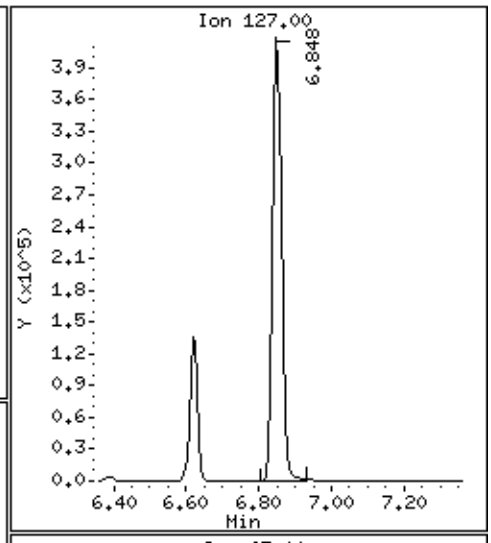
Column phase: .50um DB-5ms

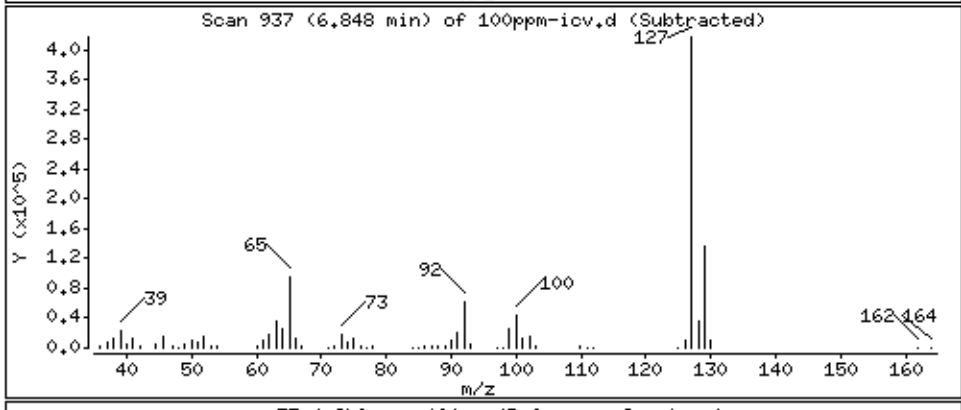
Column diameter: 0.25

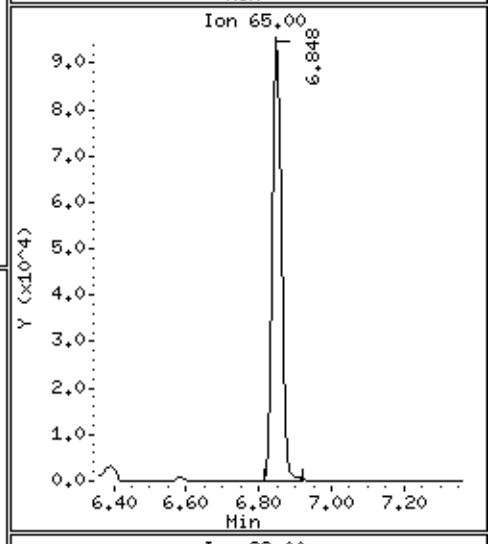
35 4-Chloroaniline

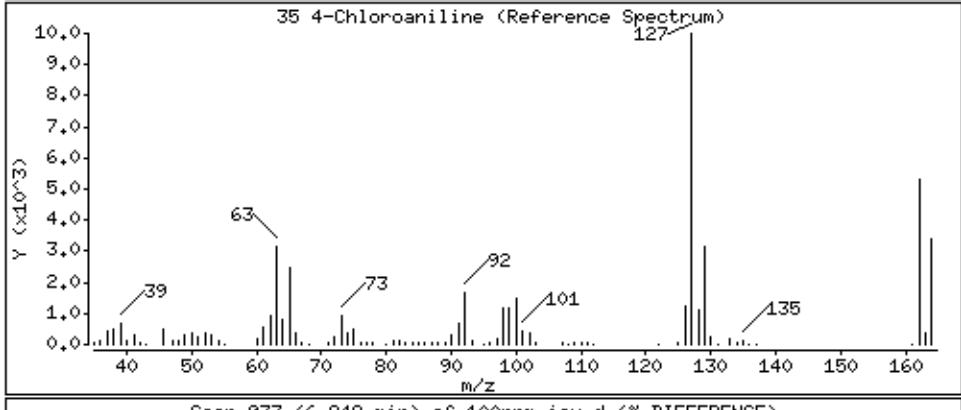
Concentration: 107.4 ug/L

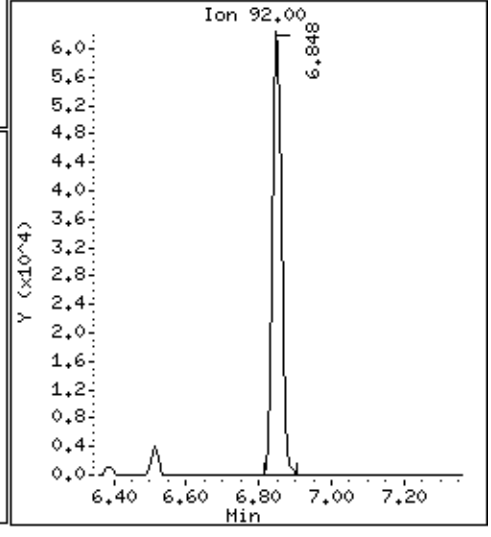


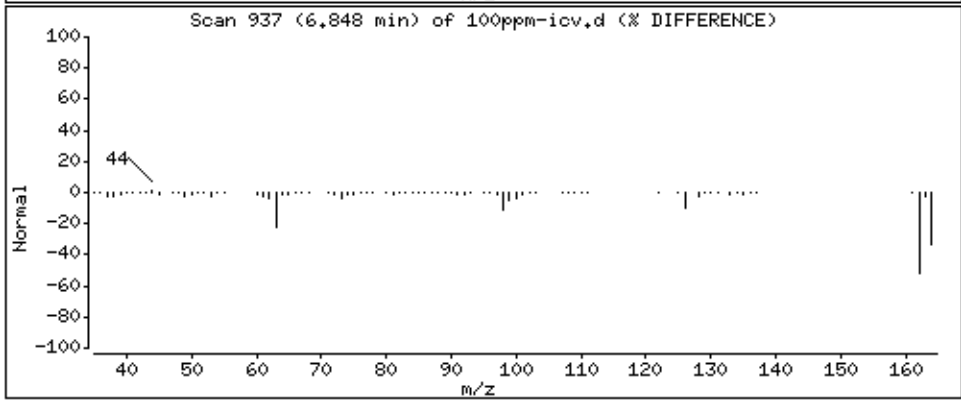












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Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

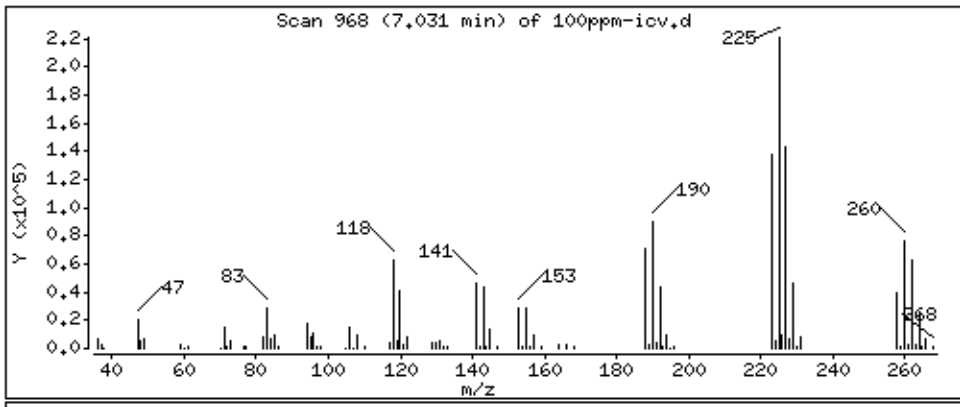
Operator: SN

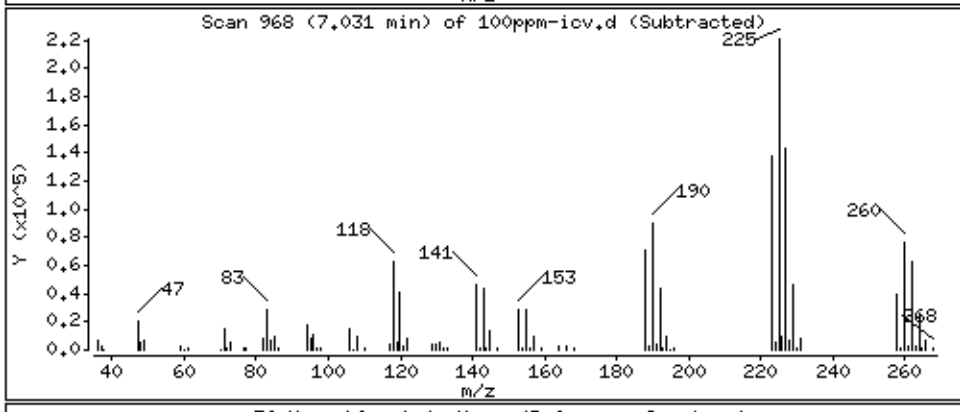
Column phase: .50um DB-5ms

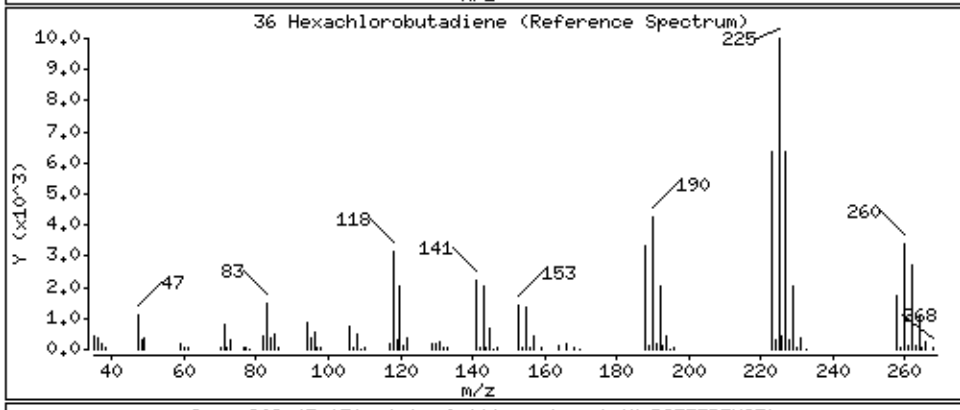
Column diameter: 0.25

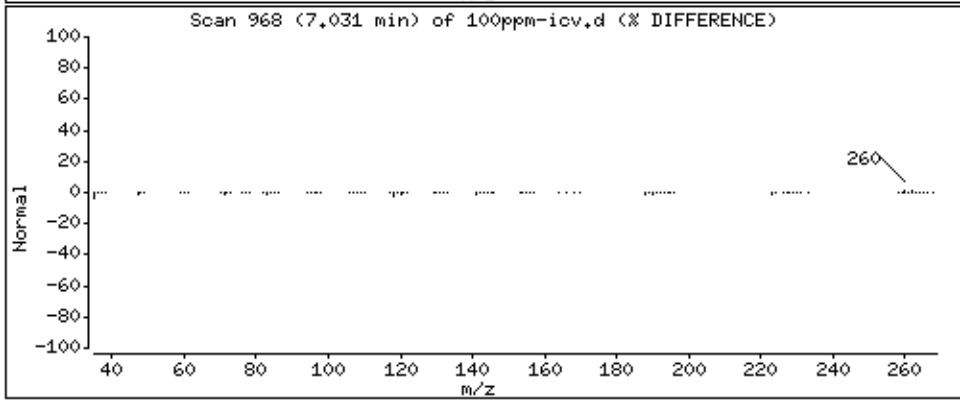
36 Hexachlorobutadiene

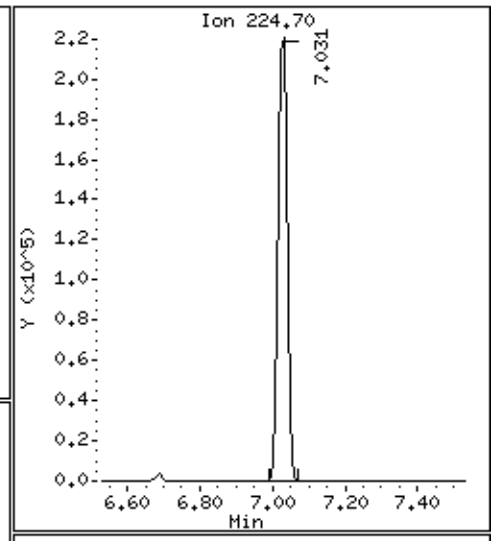
Concentration: 109.2 ug/L

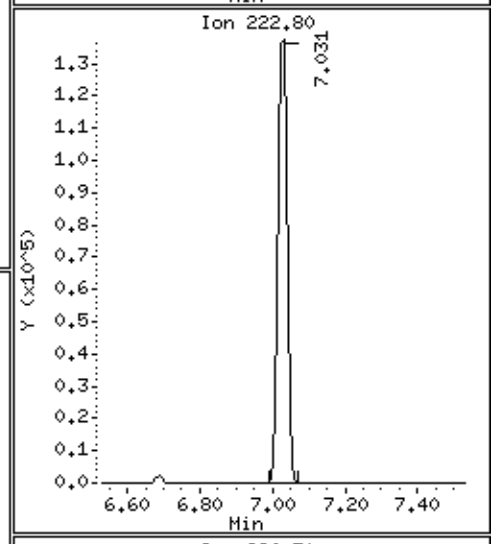


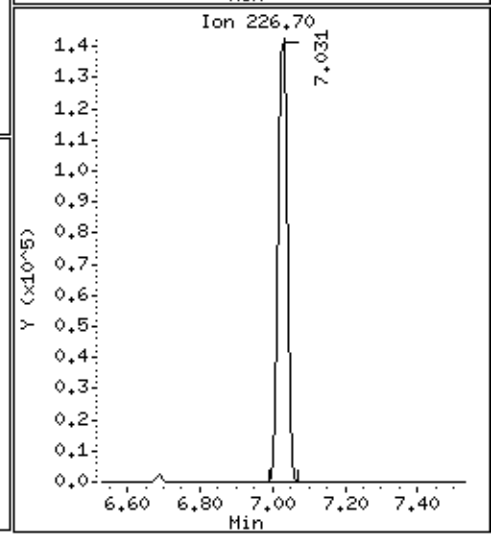












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

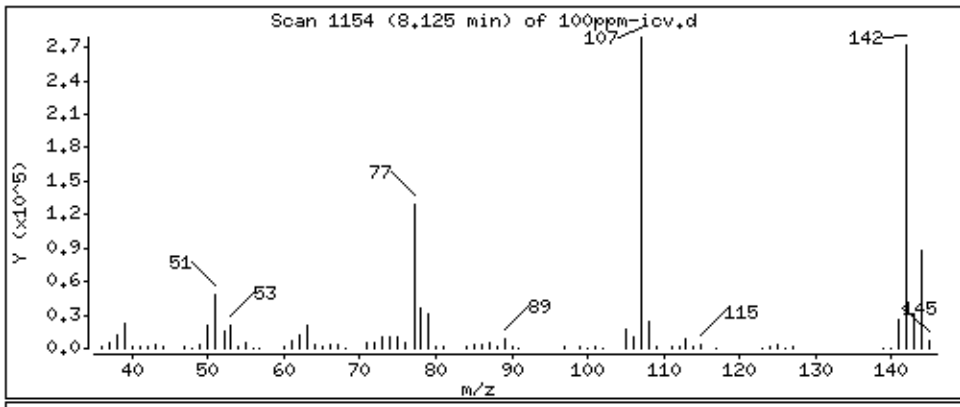
Operator: SN

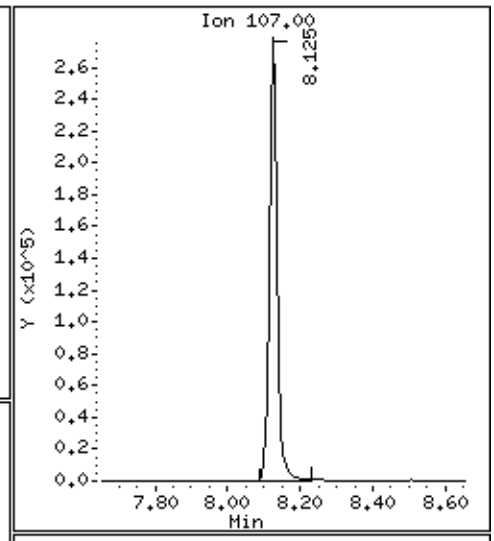
Column phase: .50um DB-5ms

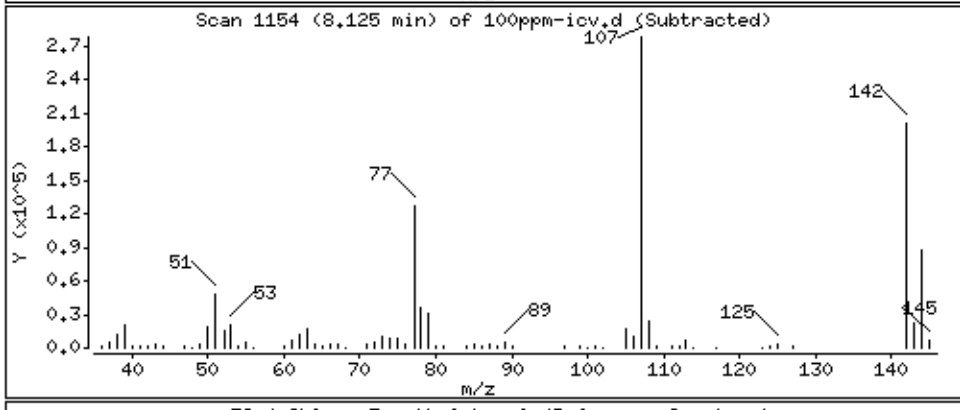
Column diameter: 0.25

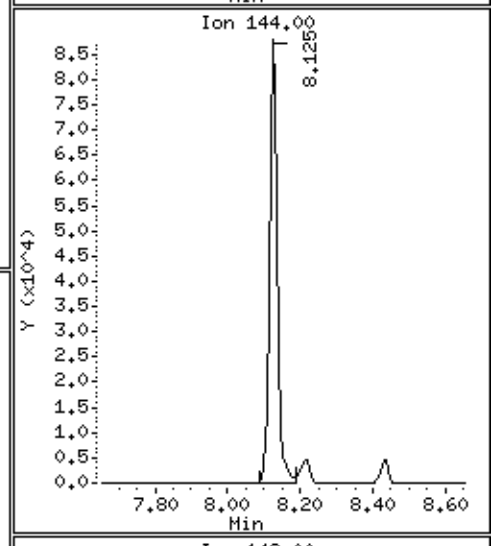
38 4-Chloro-3-methylphenol

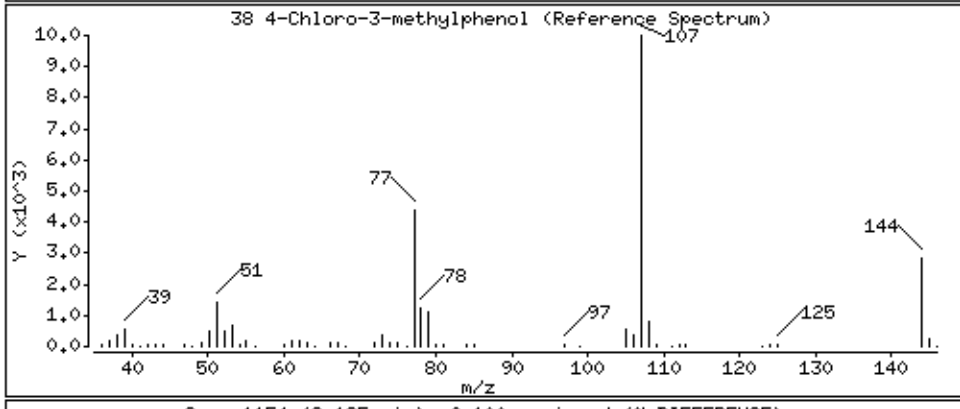
Concentration: 99.66 ug/L

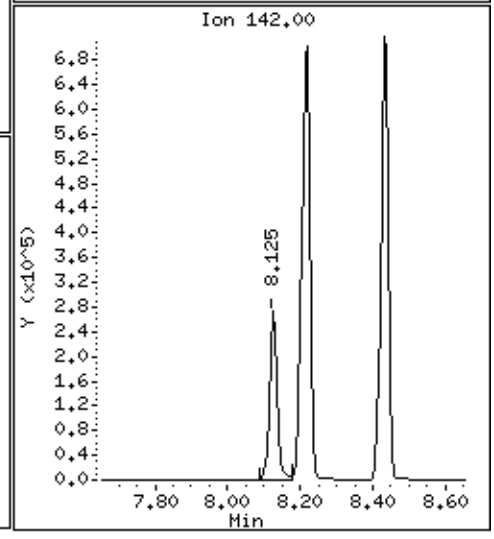


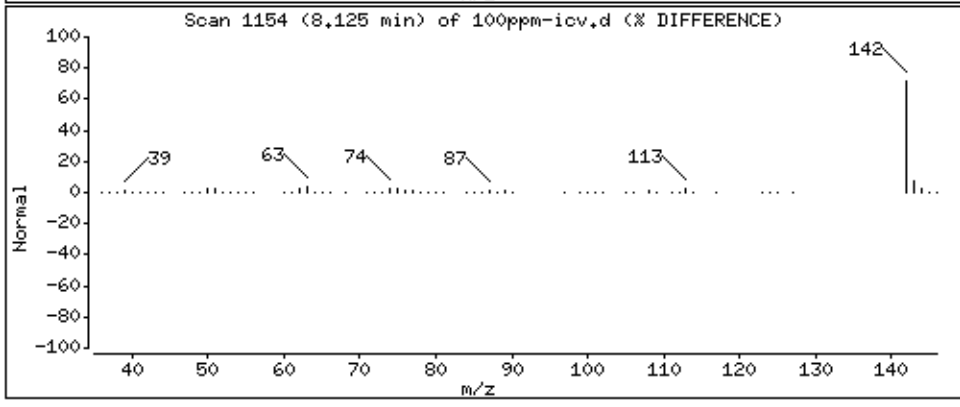












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

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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

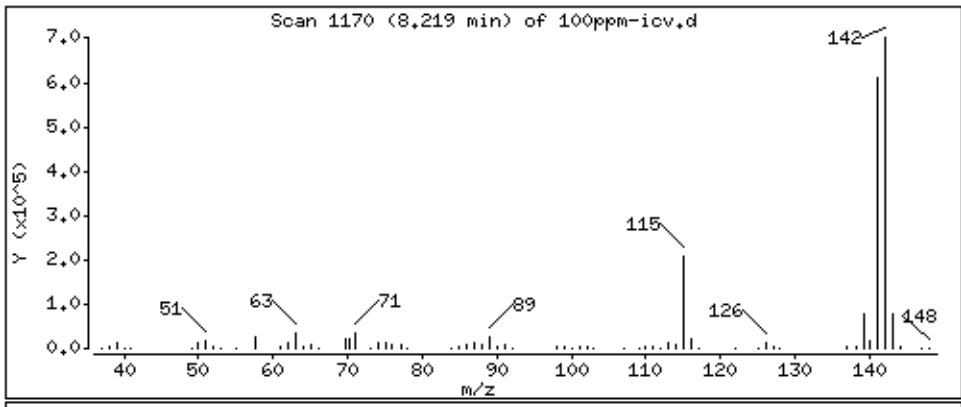
Operator: SN

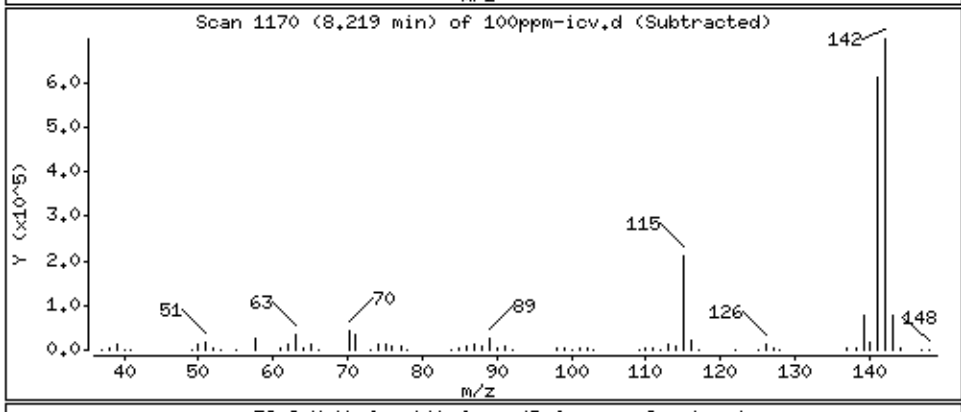
Column phase: .50um DB-5ms

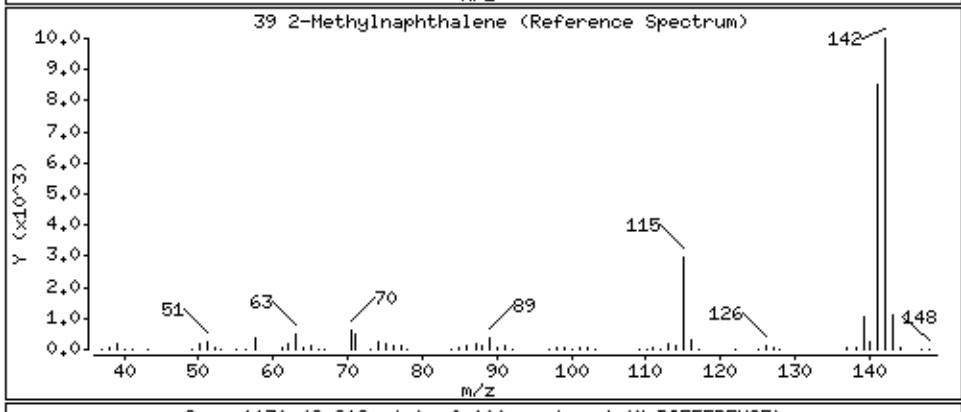
Column diameter: 0.25

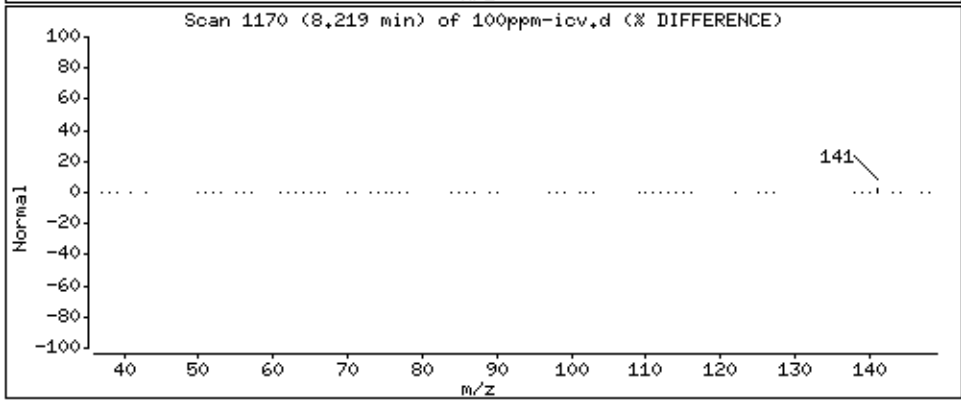
39 2-Methylnaphthalene

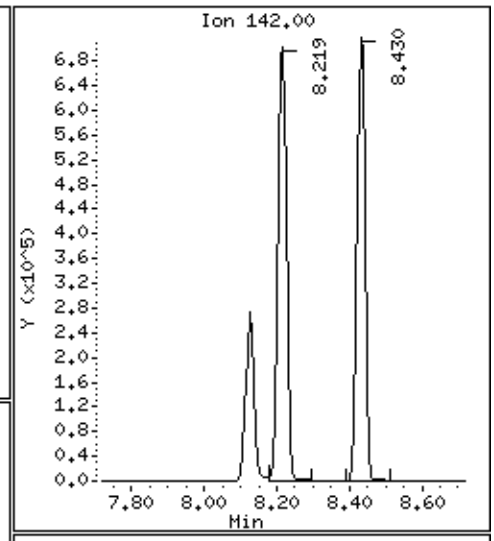
Concentration: 93.54 ug/L

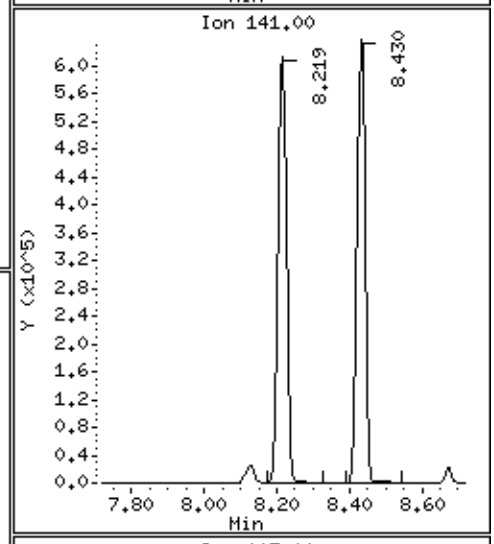


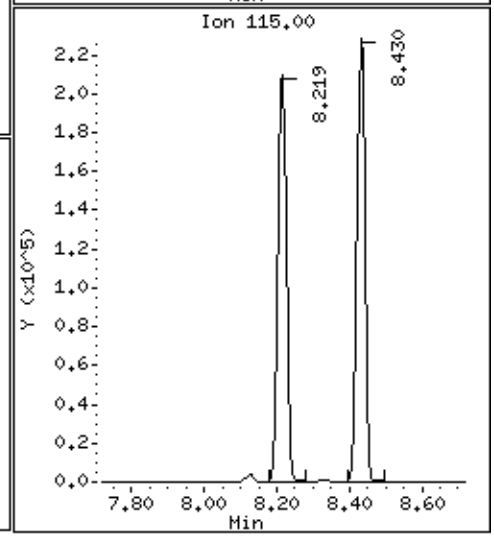












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

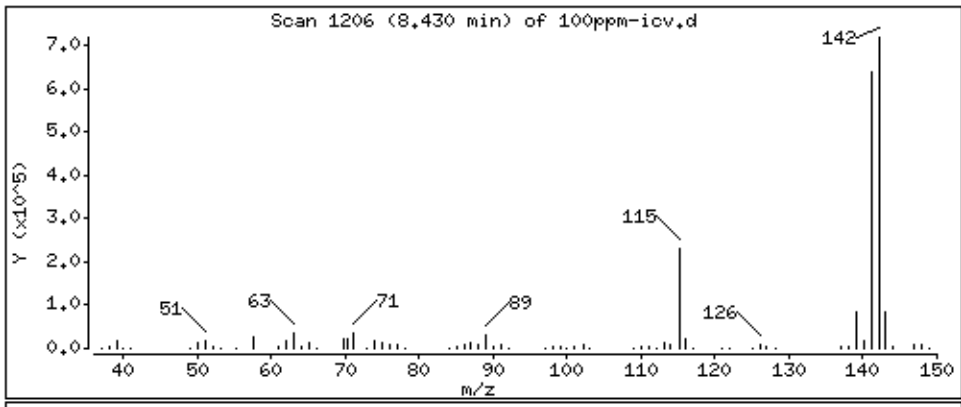
Operator: SN

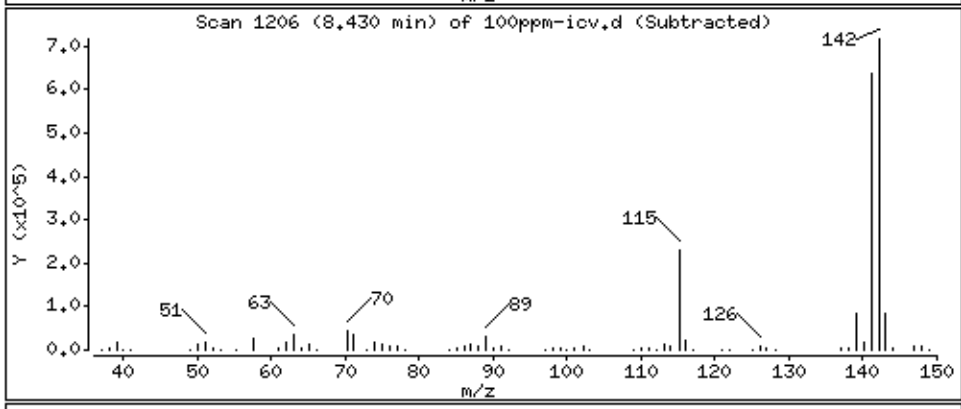
Column phase: .50um DB-5ms

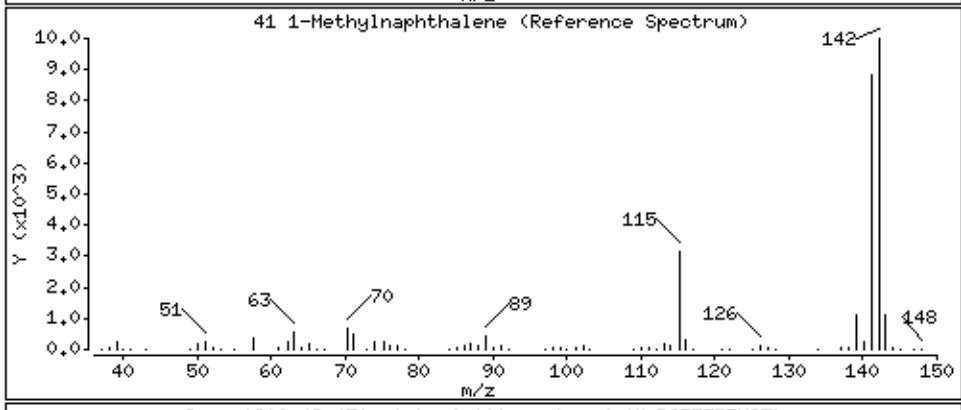
Column diameter: 0.25

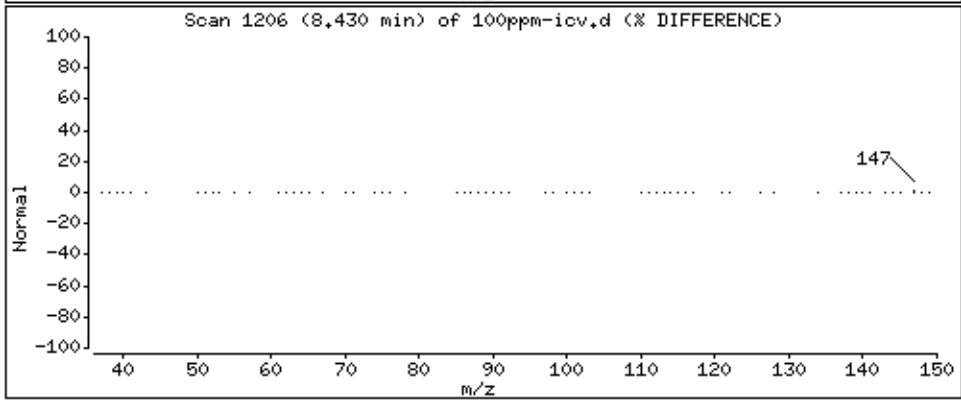
41 1-Methylnaphthalene

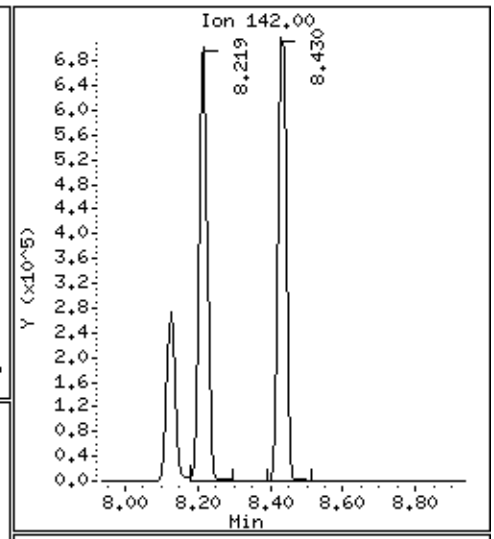
Concentration: 92.60 ug/L

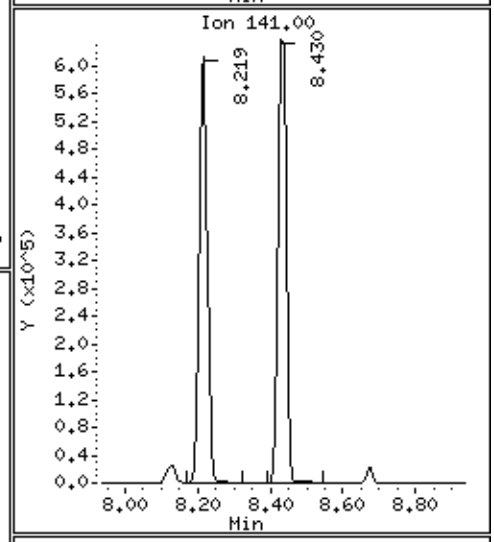


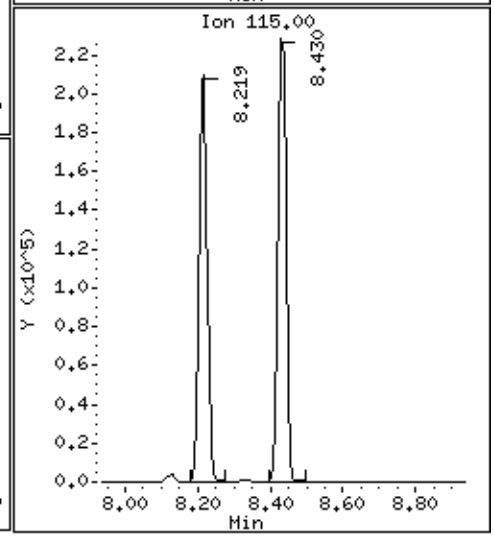












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

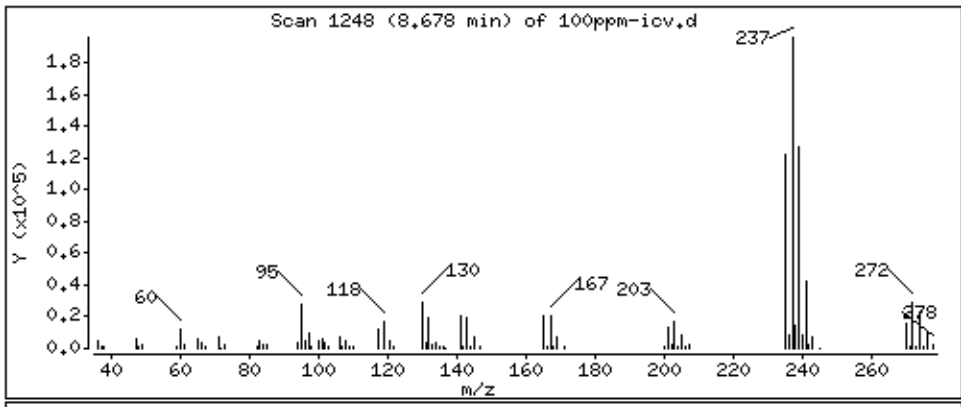
Operator: SN

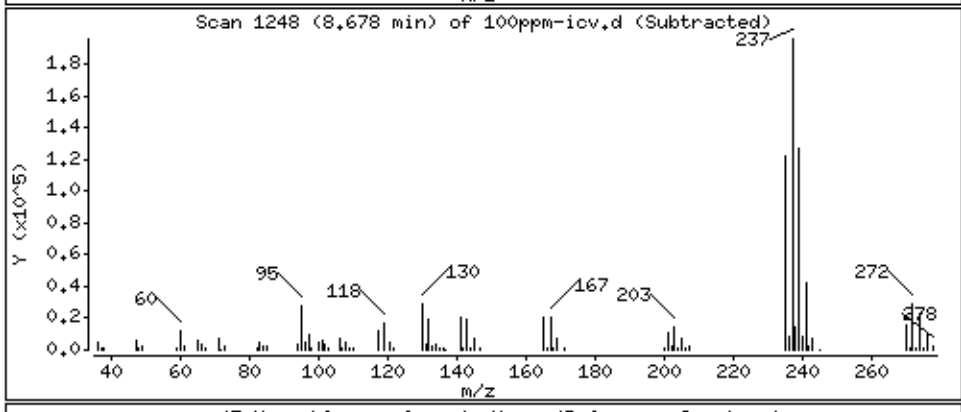
Column phase: .50um DB-5ms

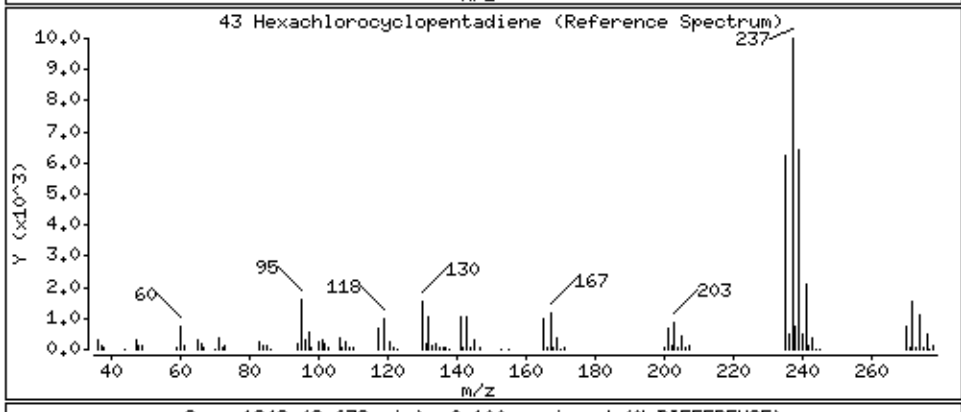
Column diameter: 0.25

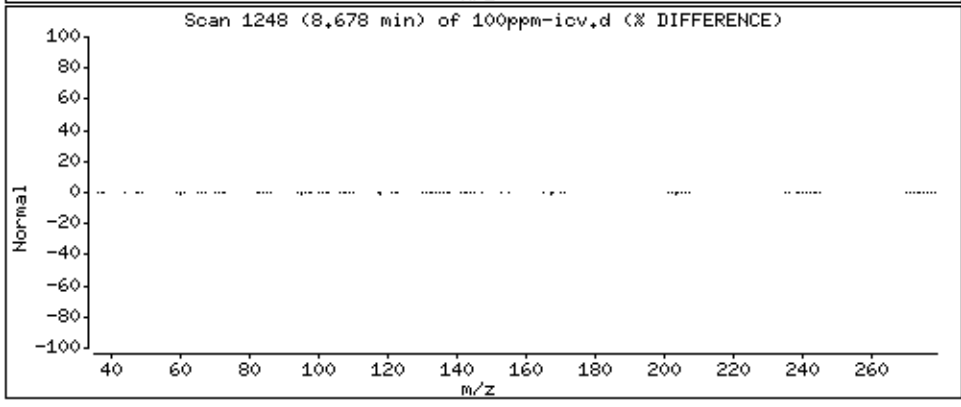
43 Hexachlorocyclopentadiene

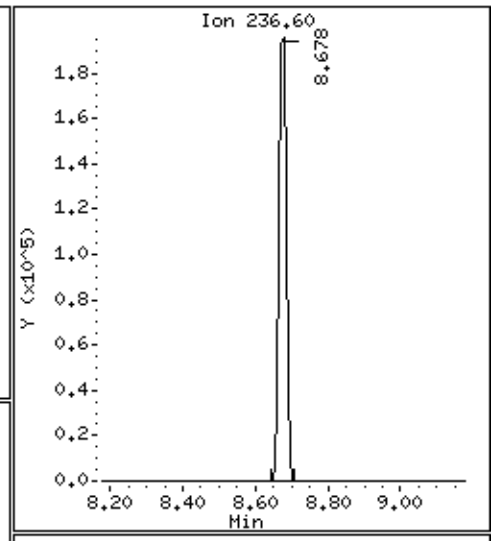
Concentration: 96.90 ug/L

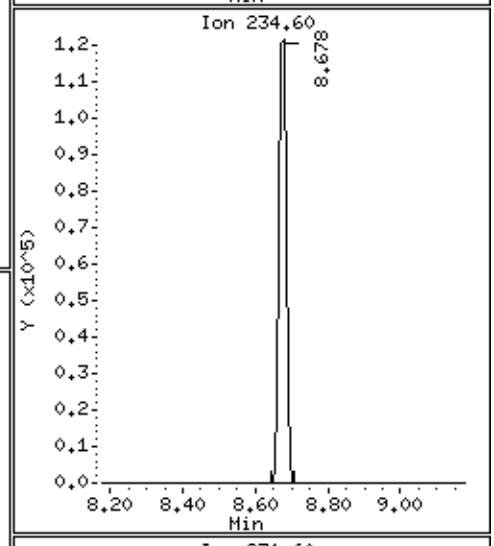


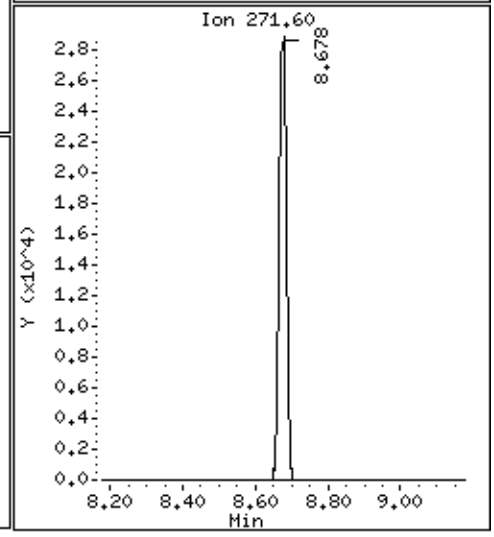












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

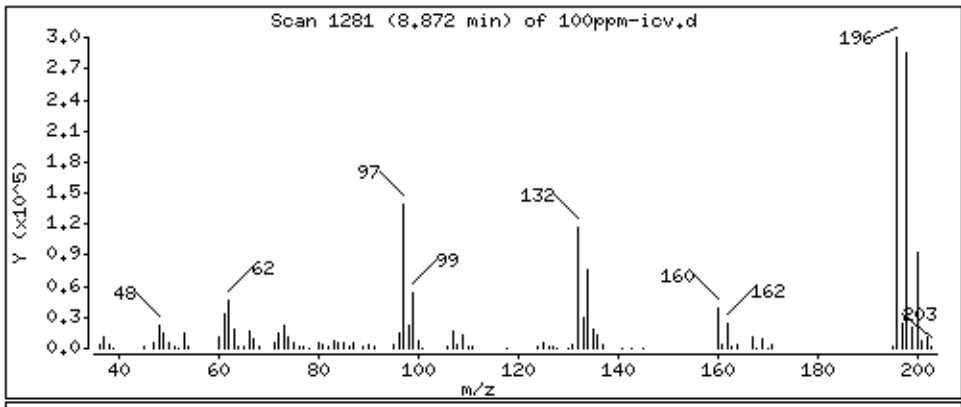
Operator: SN

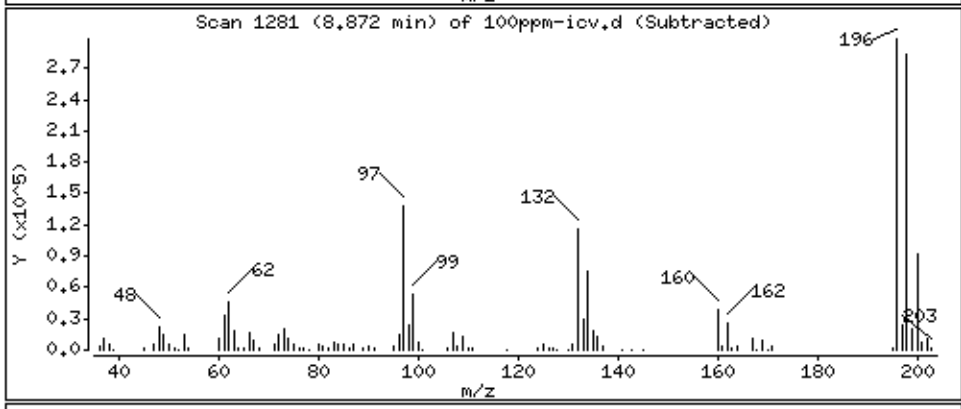
Column phase: .50um DB-5ms

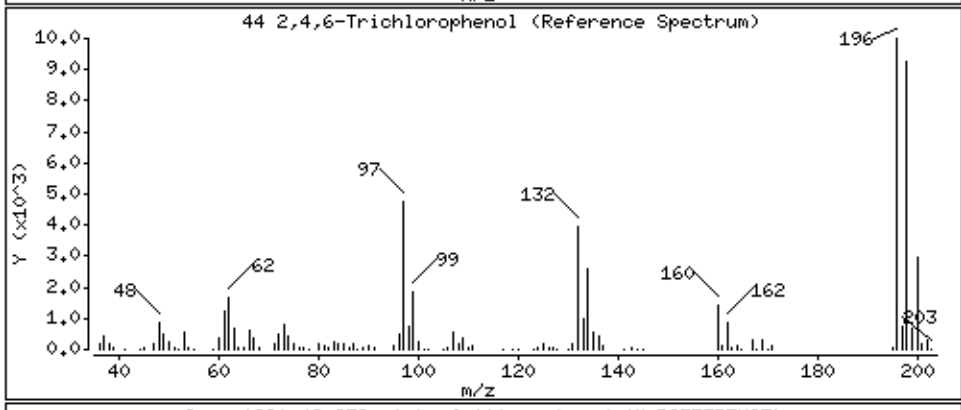
Column diameter: 0.25

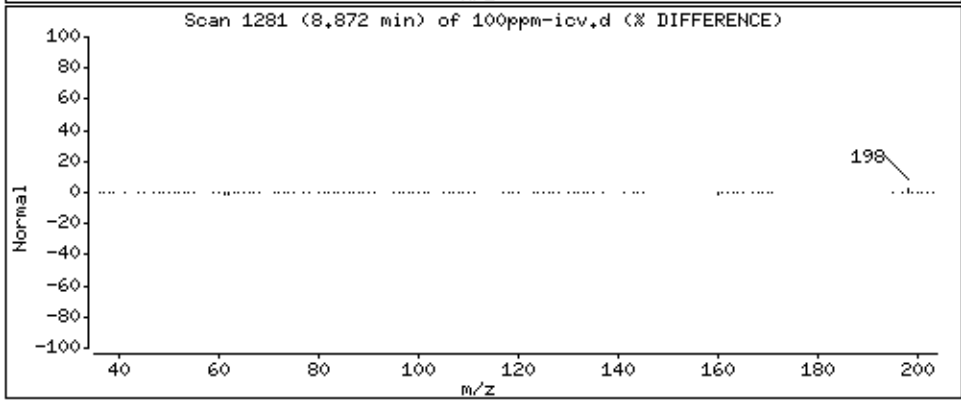
44 2,4,6-Trichlorophenol

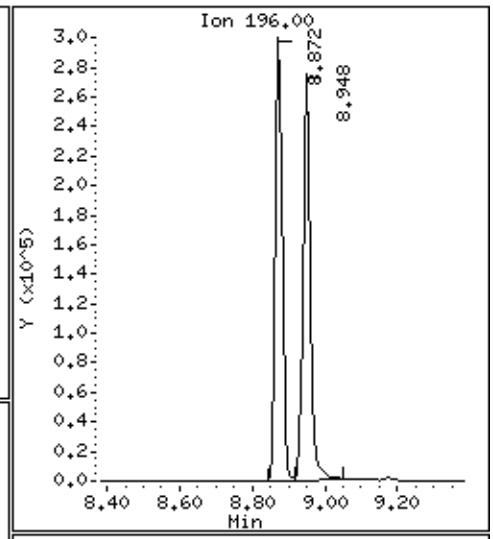
Concentration: 99.20 ug/L

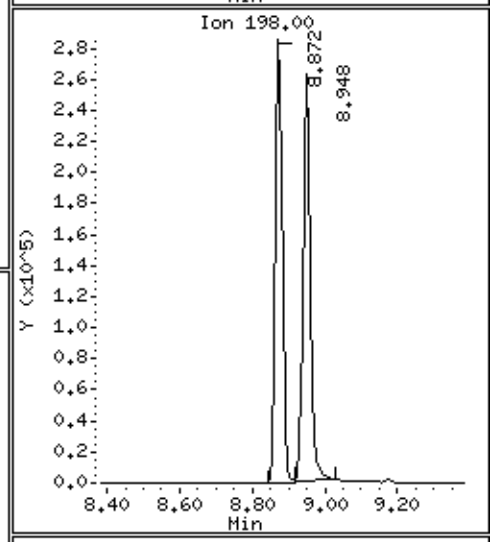


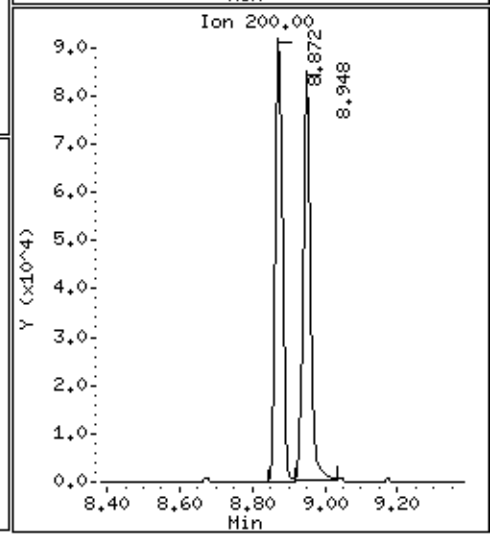












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

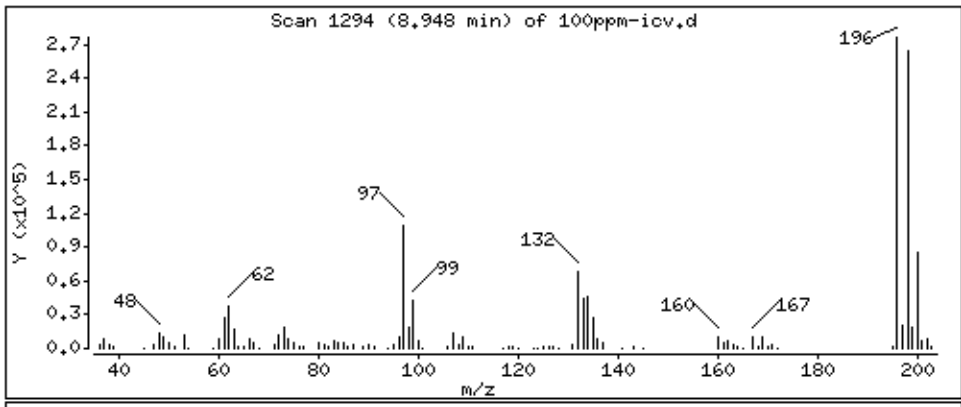
Operator: SN

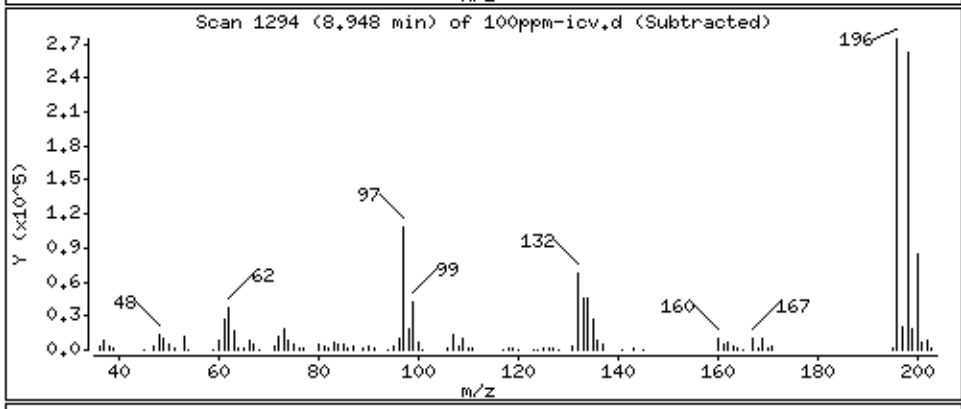
Column phase: .50um DB-5ms

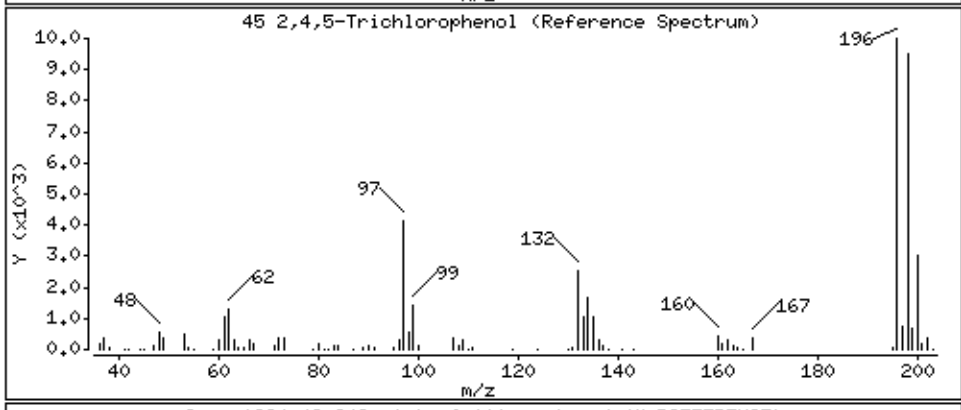
Column diameter: 0.25

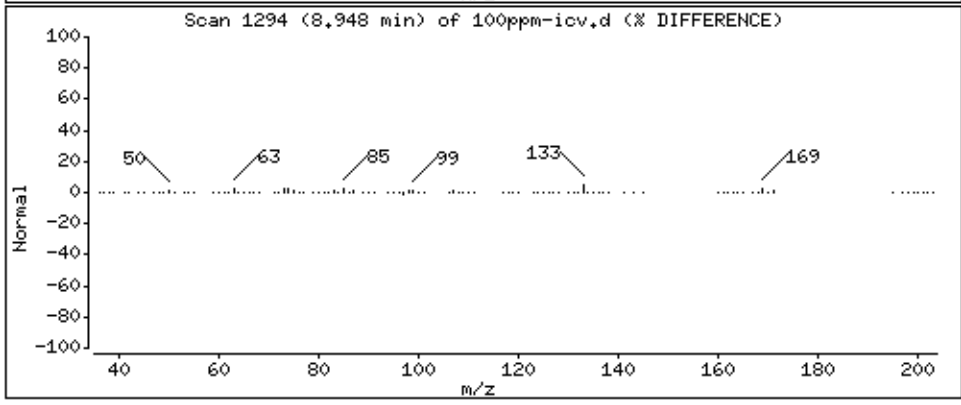
45 2,4,5-Trichlorophenol

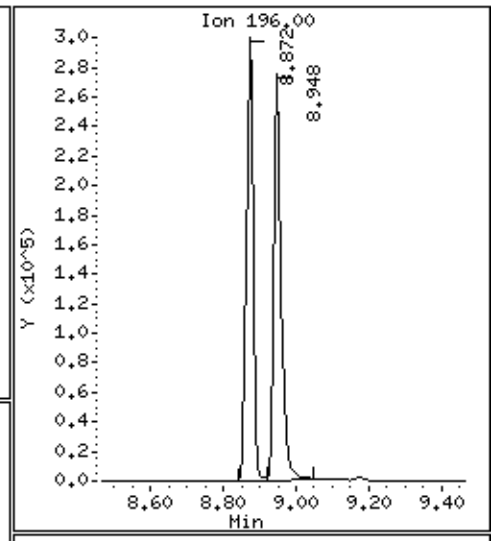
Concentration: 98.61 ug/L

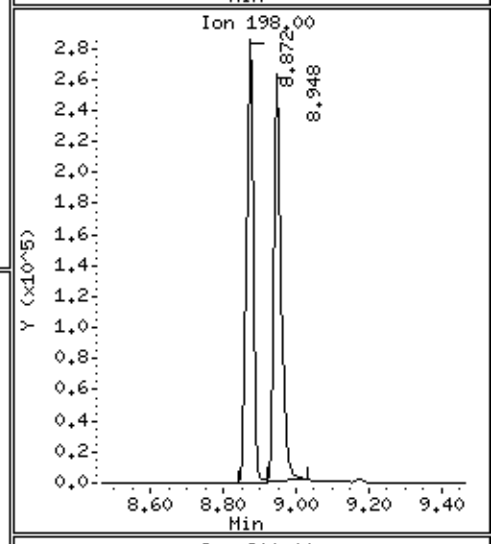


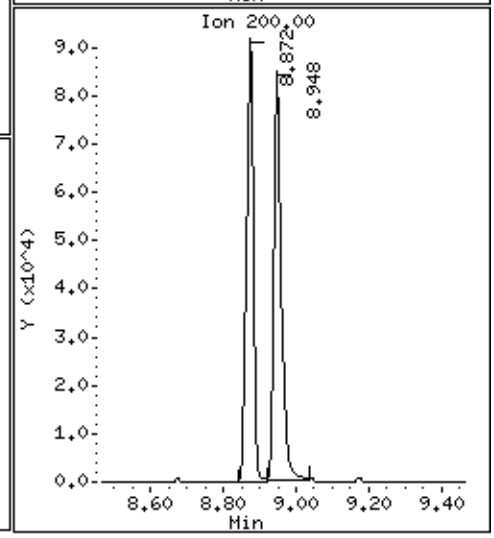












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

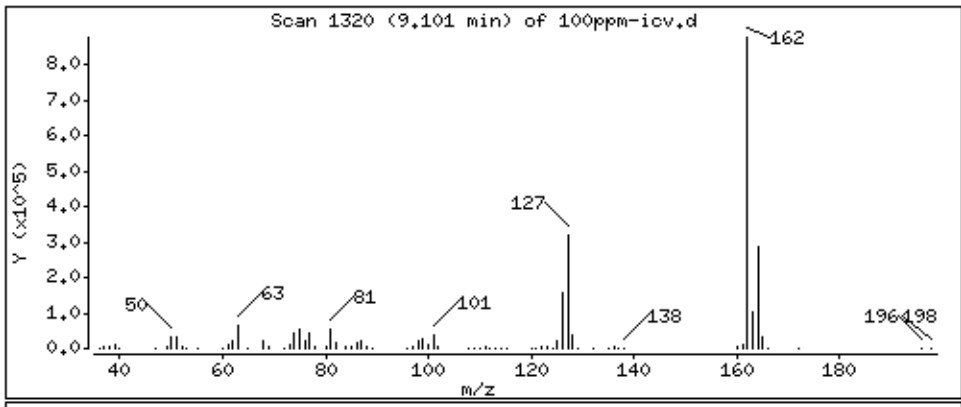
Operator: SN

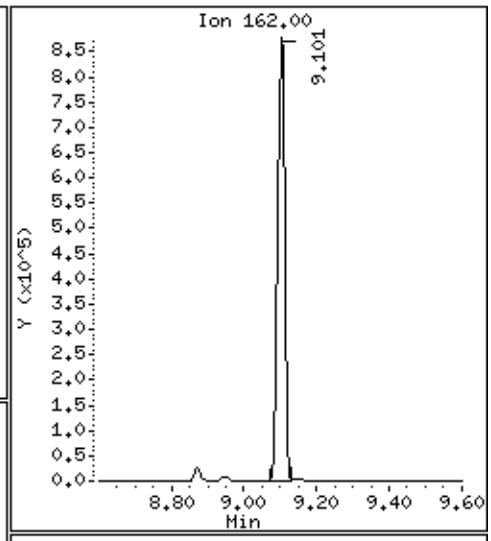
Column phase: .50um DB-5ms

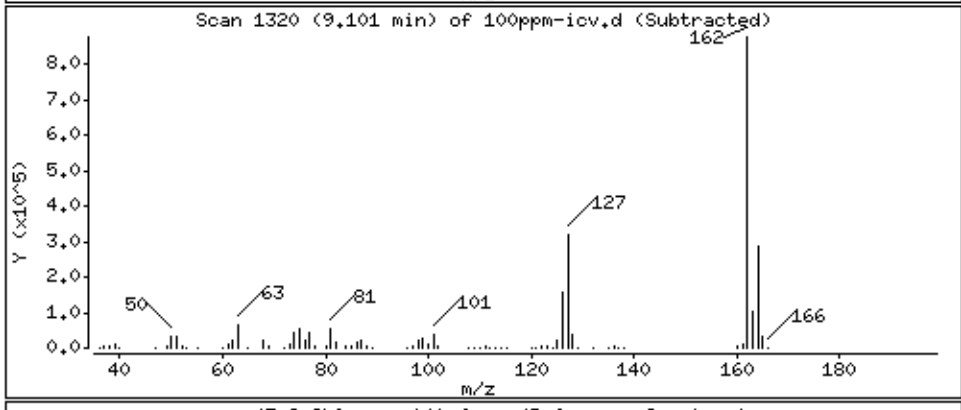
Column diameter: 0.25

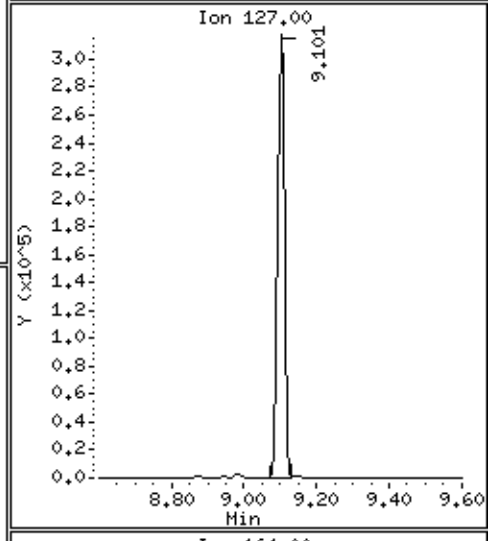
47 2-Chloronaphthalene

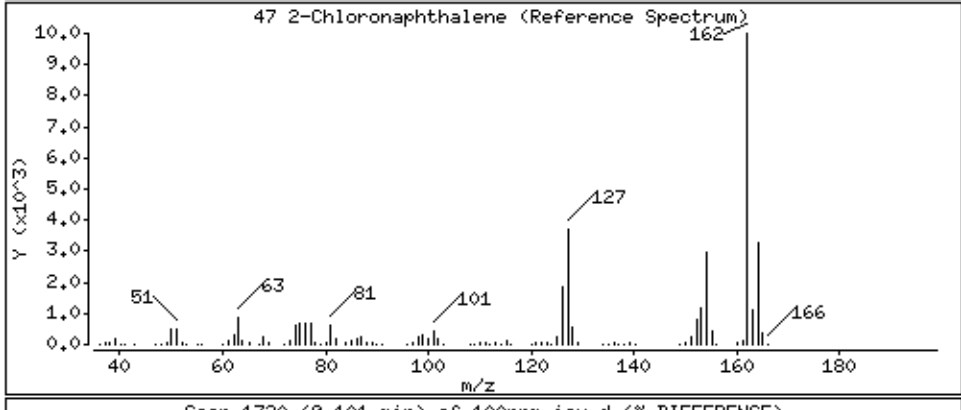
Concentration: 100.8 ug/L

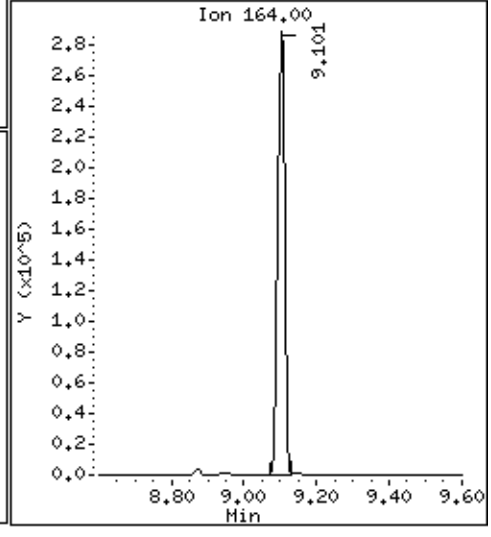


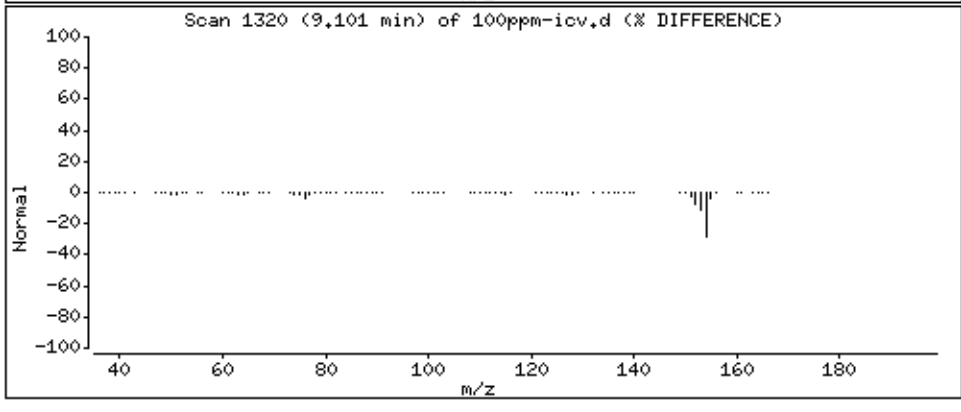












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

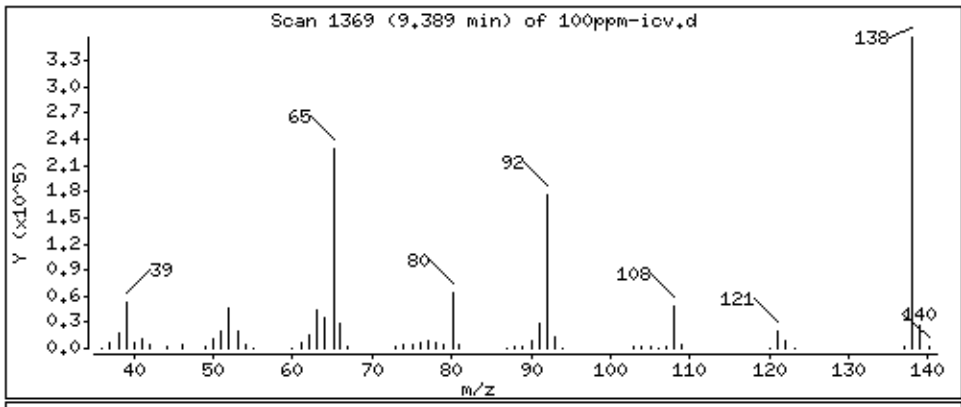
Operator: SN

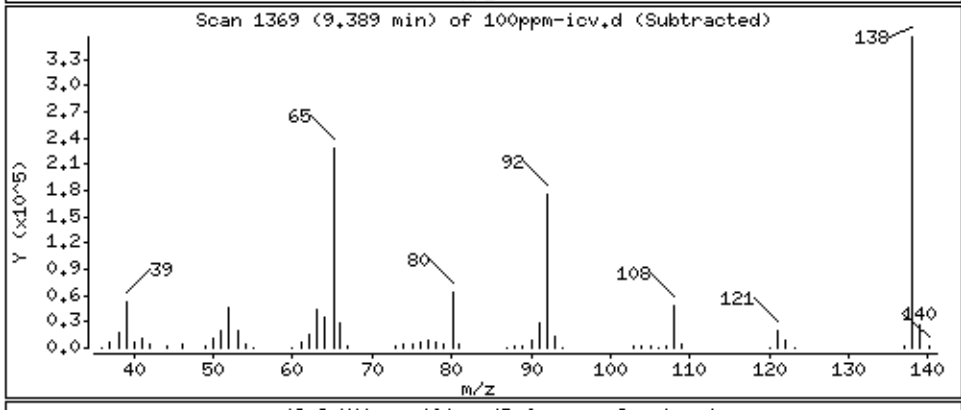
Column phase: .50um DB-5ms

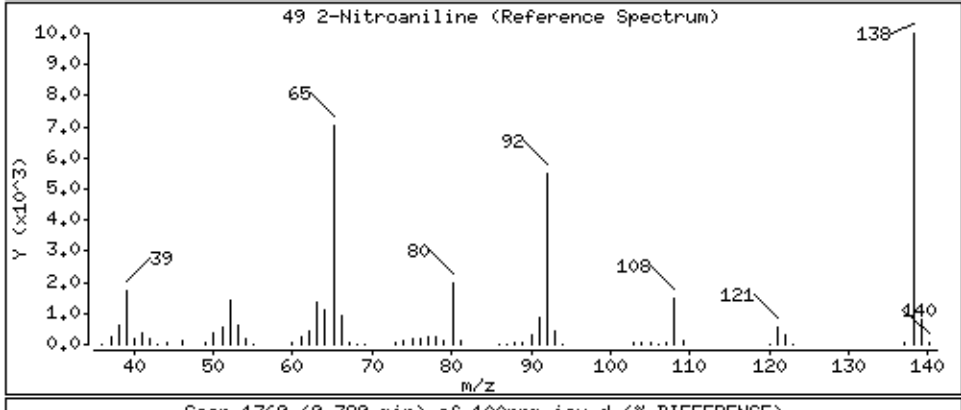
Column diameter: 0.25

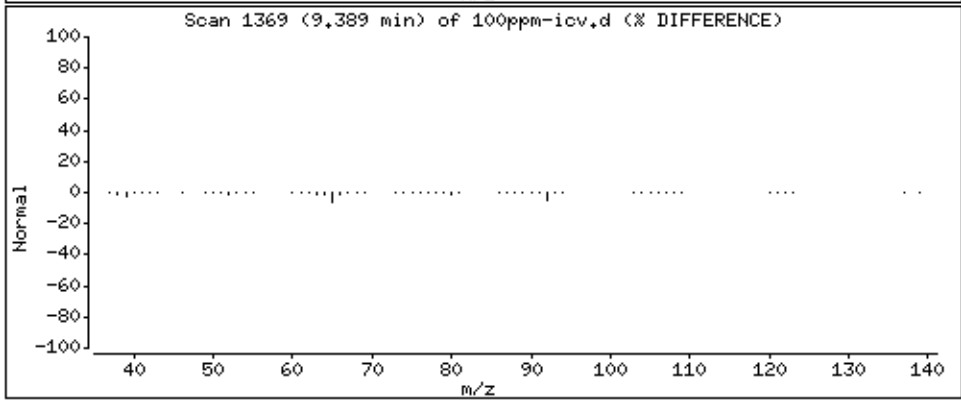
49 2-Nitroaniline

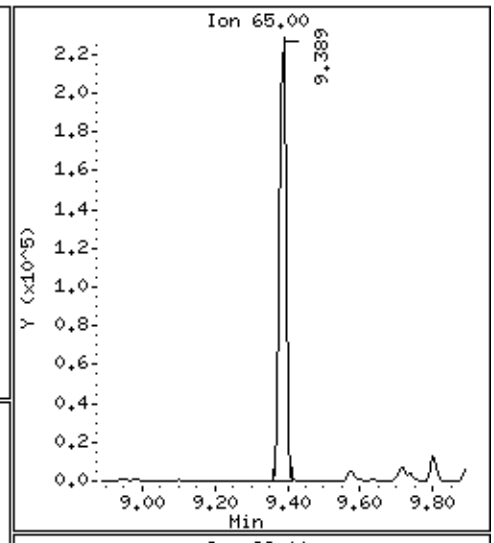
Concentration: 103.9 ug/L

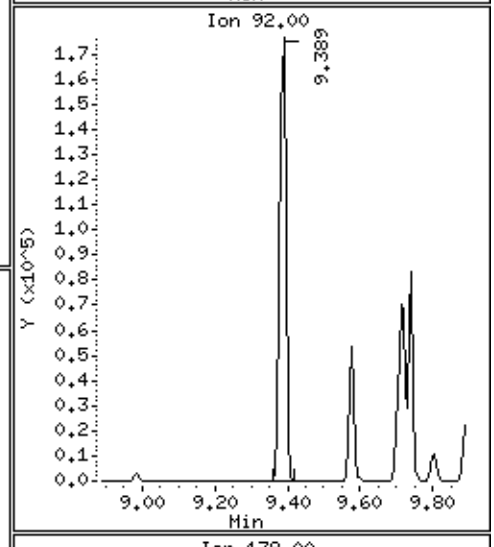


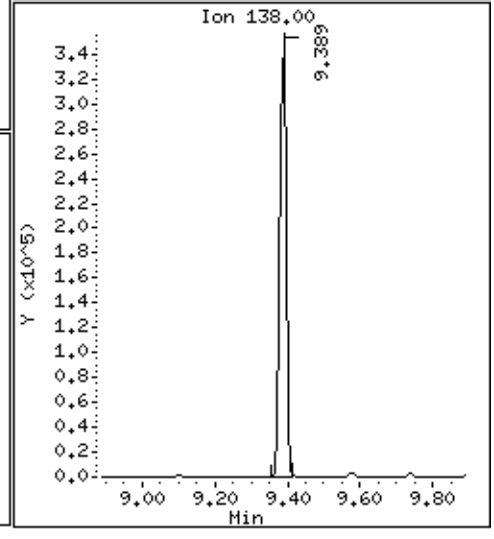












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

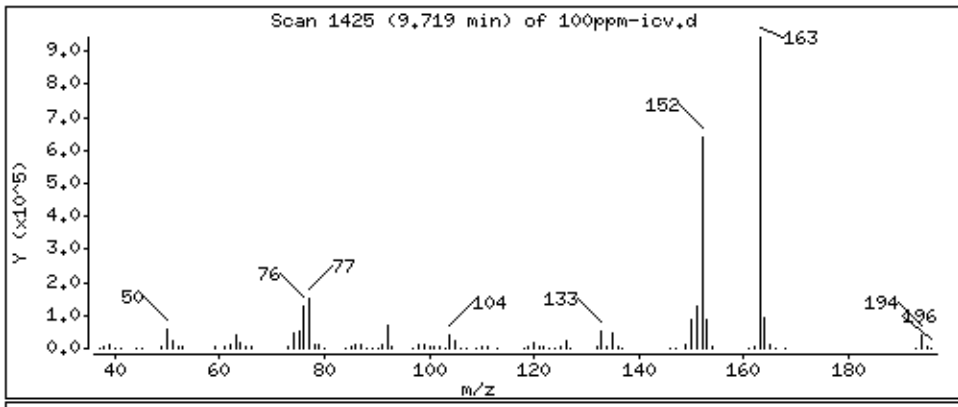
Operator: SN

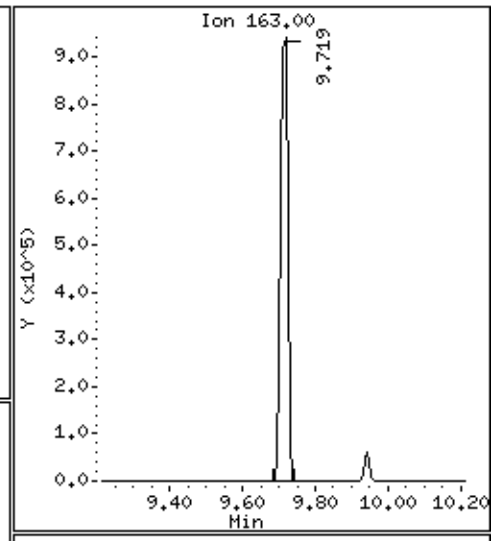
Column phase: .50um DB-5ms

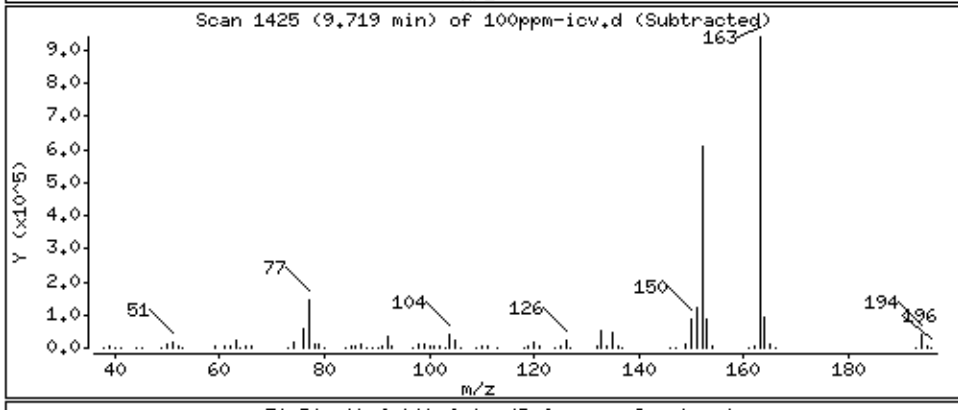
Column diameter: 0.25

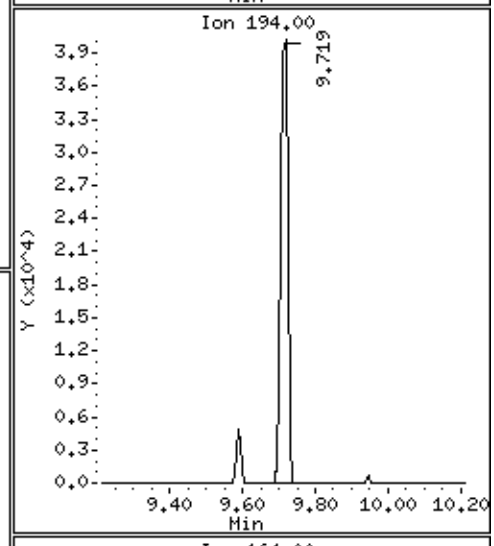
50 Dimethylphthalate

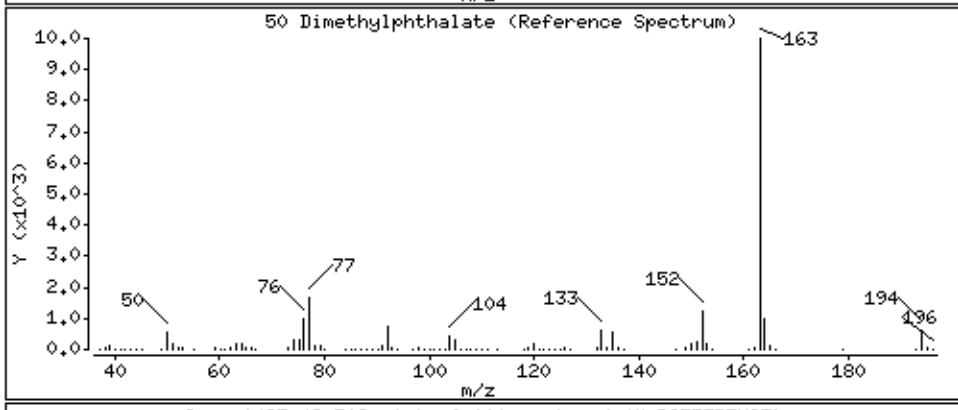
Concentration: 95.49 ug/L

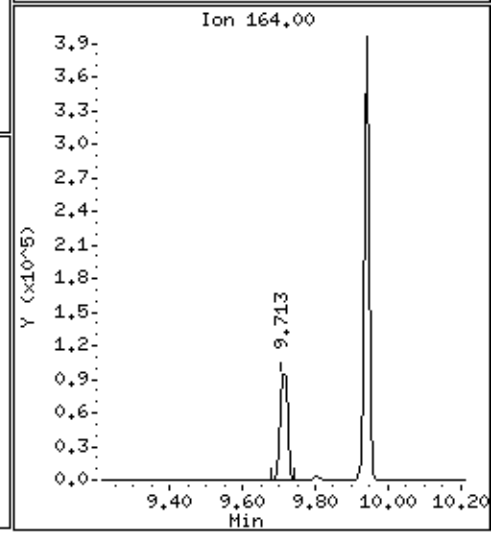


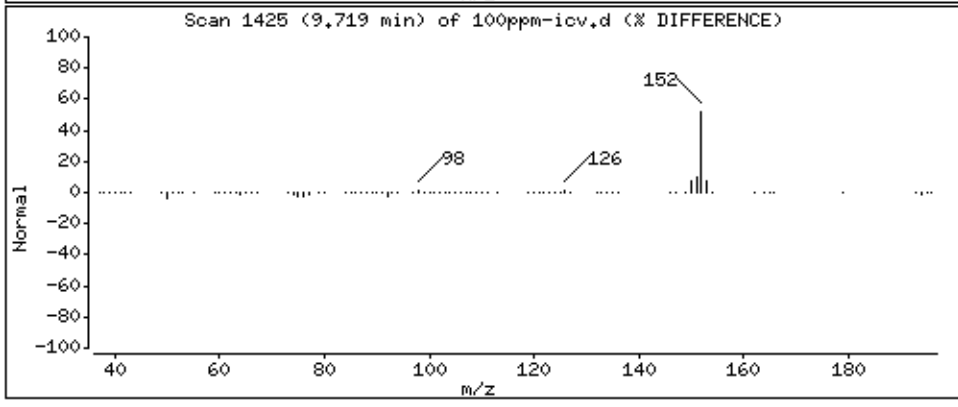












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

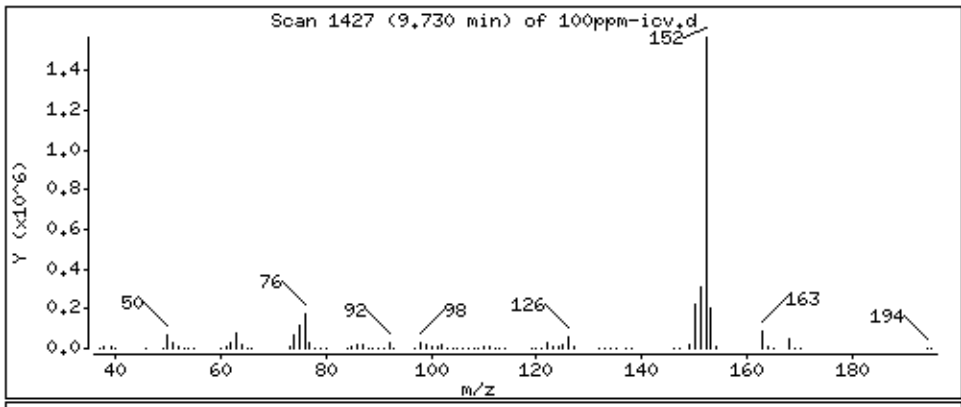
Operator: SN

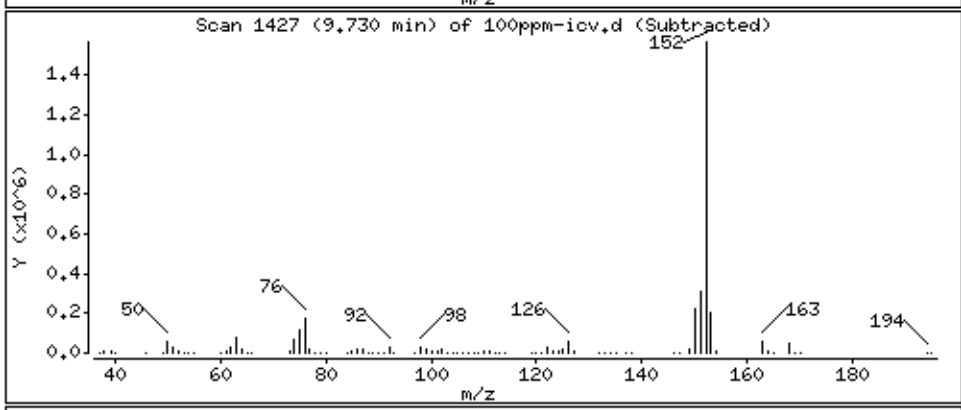
Column phase: .50um DB-5ms

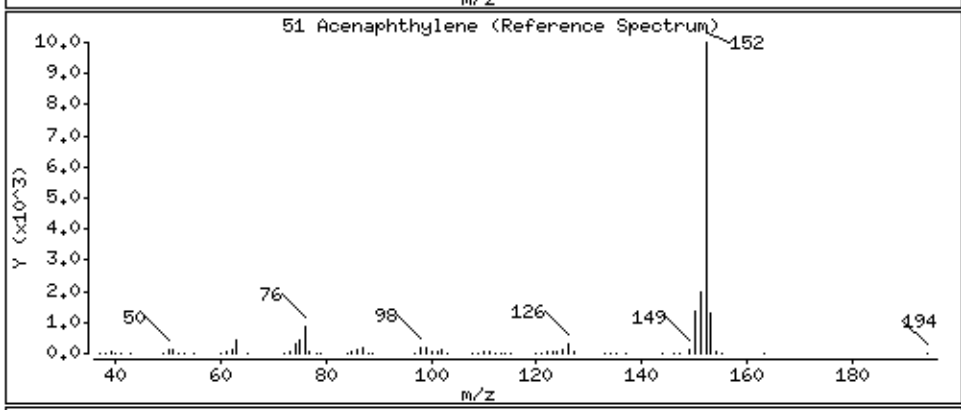
Column diameter: 0.25

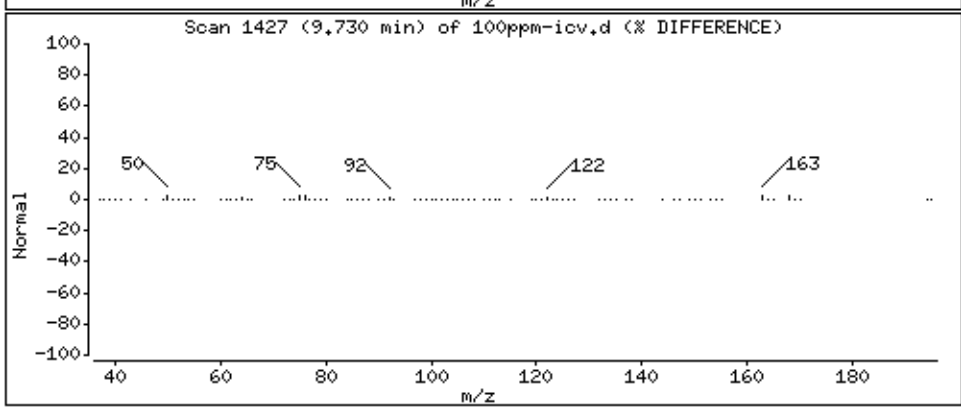
51 Acenaphthylene

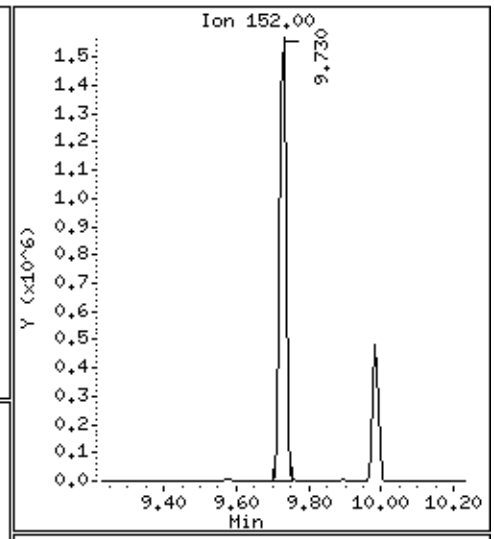
Concentration: 92.94 ug/L

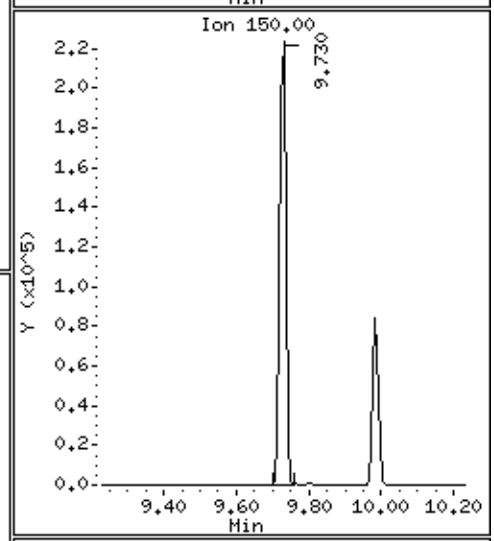


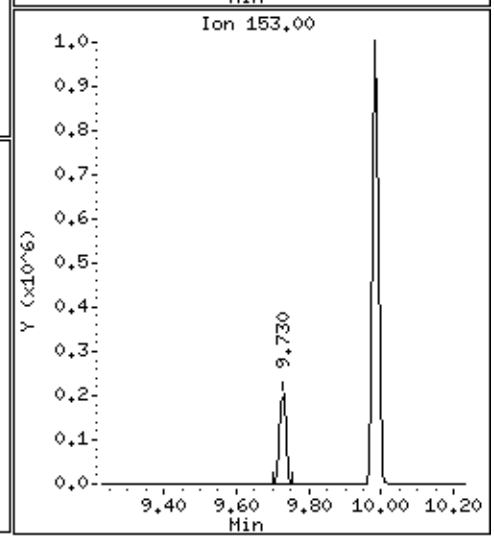












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

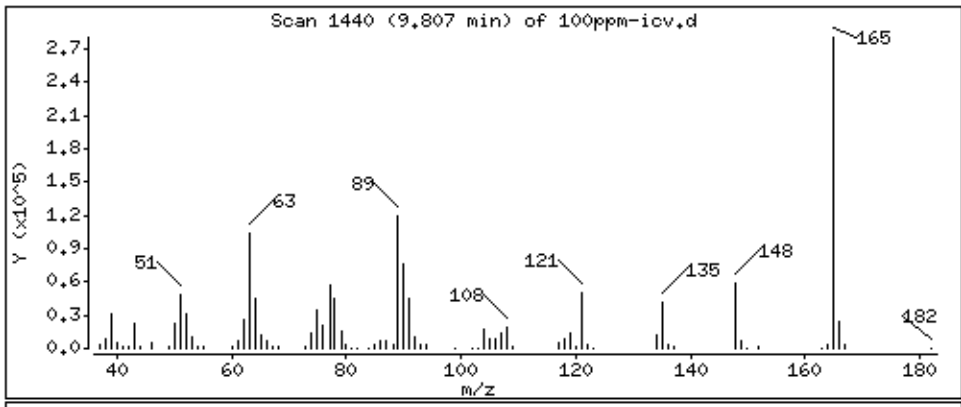
Operator: SN

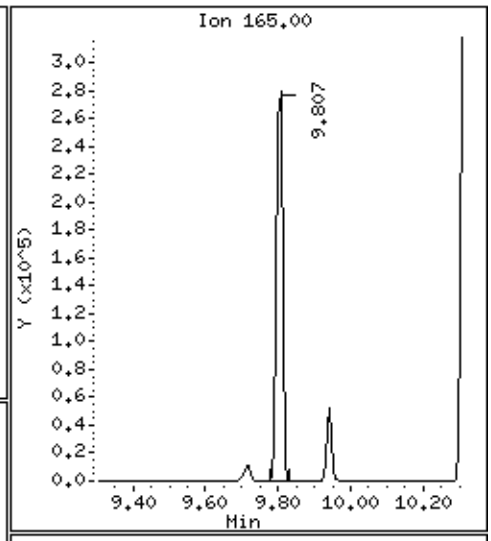
Column phase: .50um DB-5ms

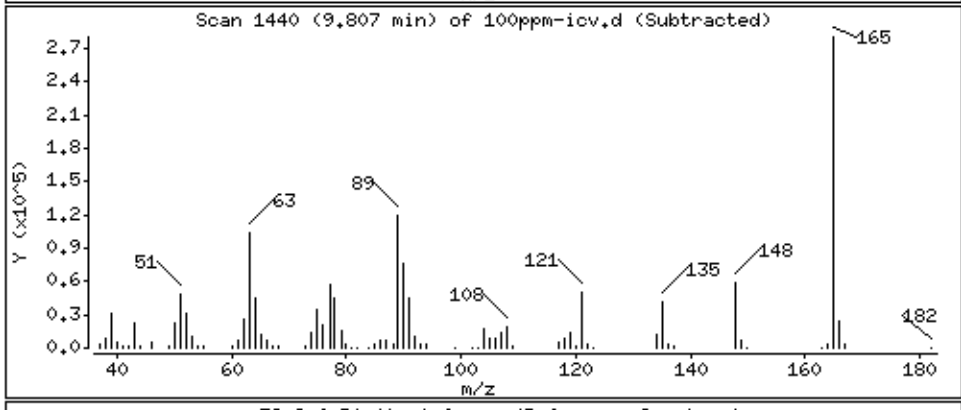
Column diameter: 0.25

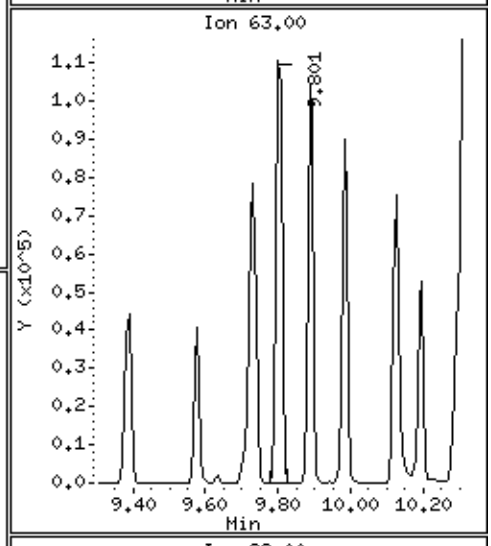
52 2,6-Dinitrotoluene

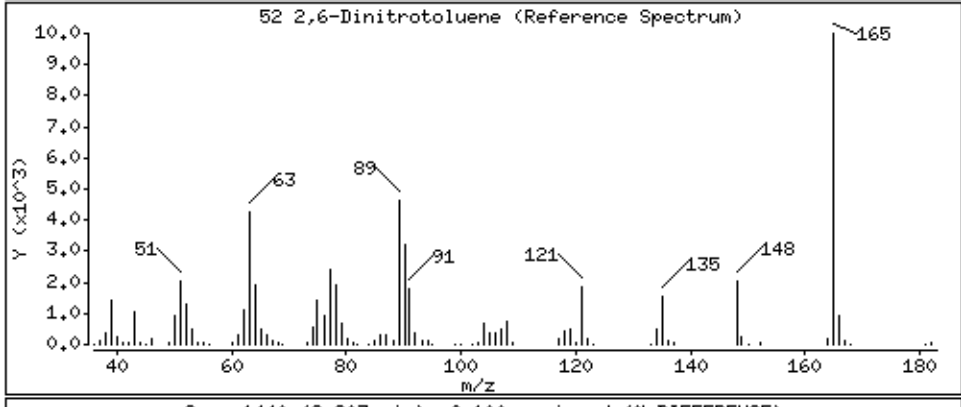
Concentration: 108.6 ug/L

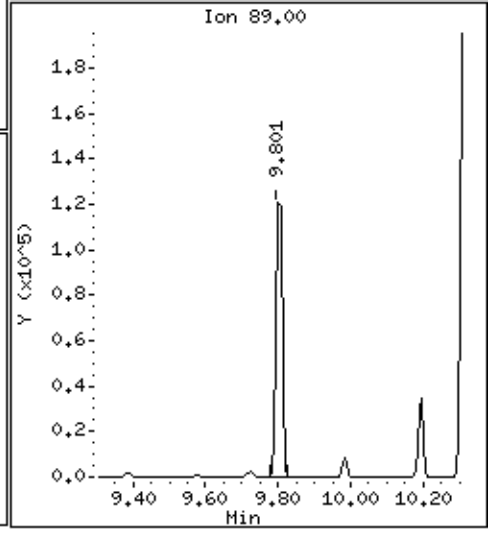


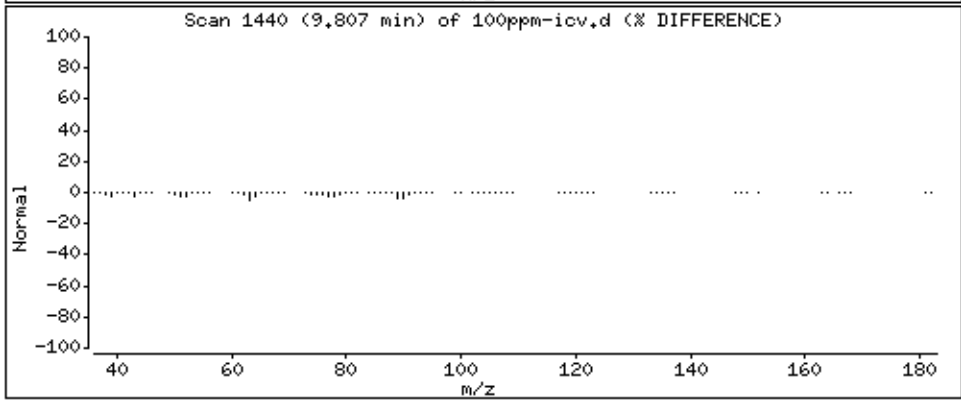












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

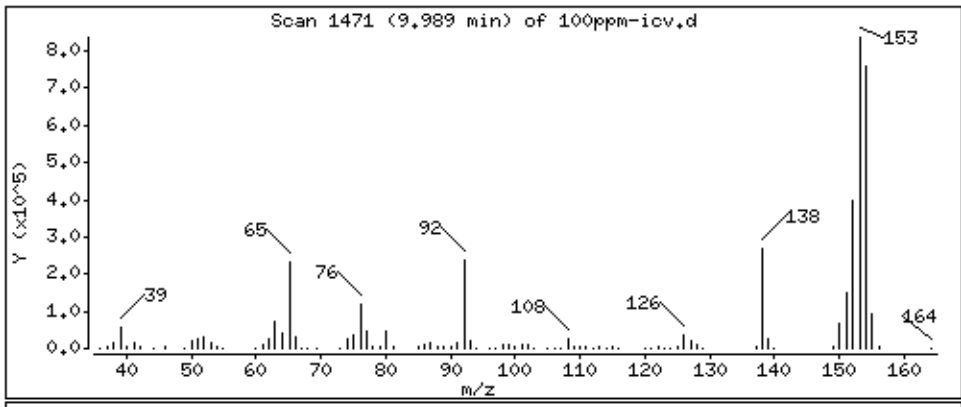
Operator: SN

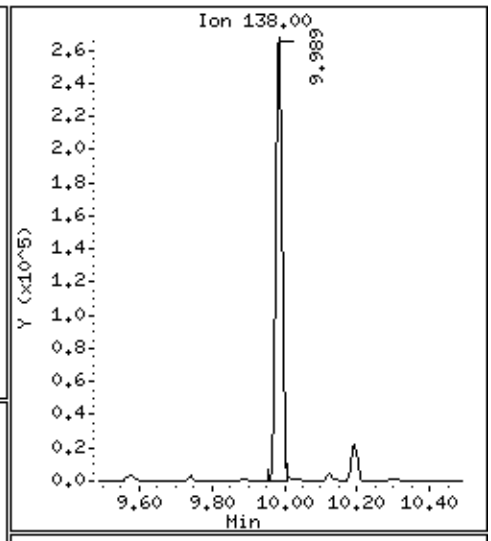
Column phase: .50um DB-5ms

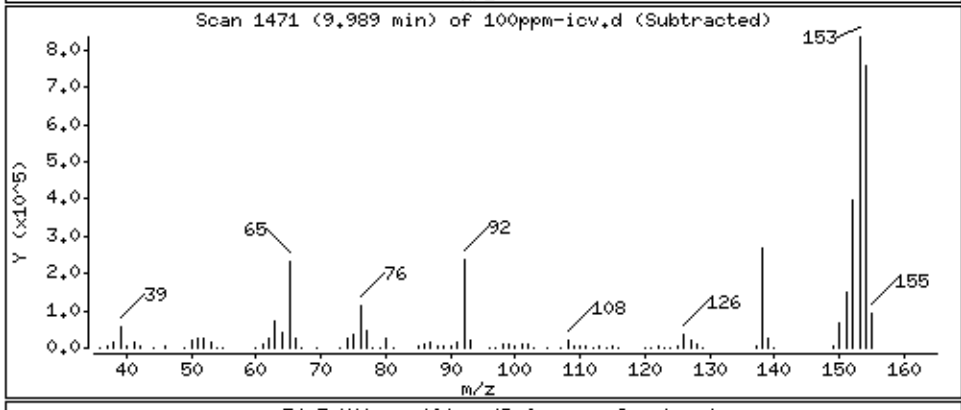
Column diameter: 0.25

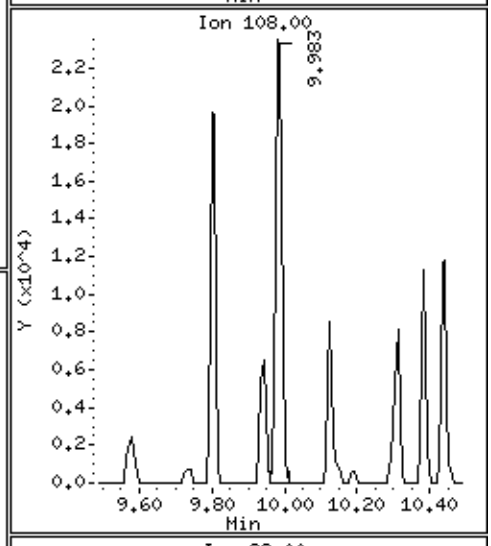
54 3-Nitroaniline

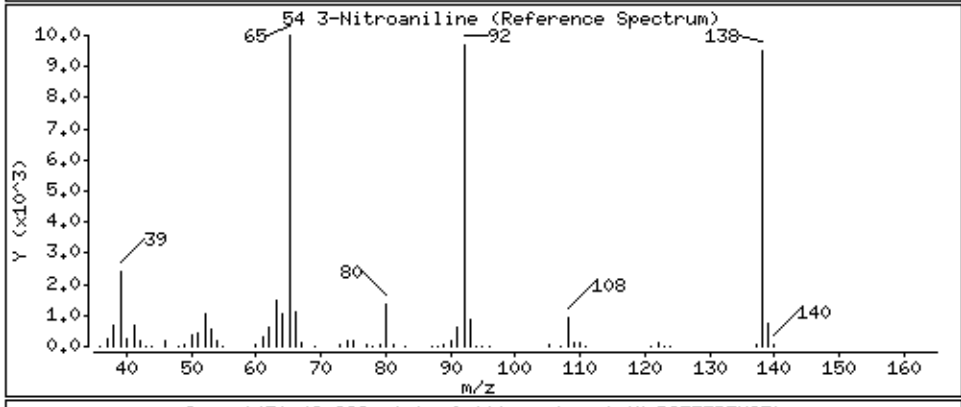
Concentration: 105.3 ug/L

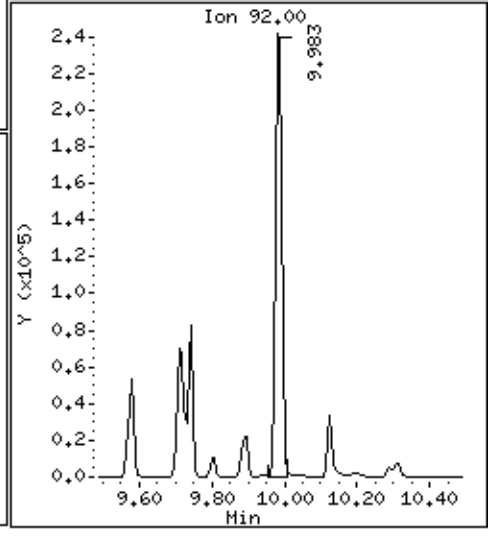


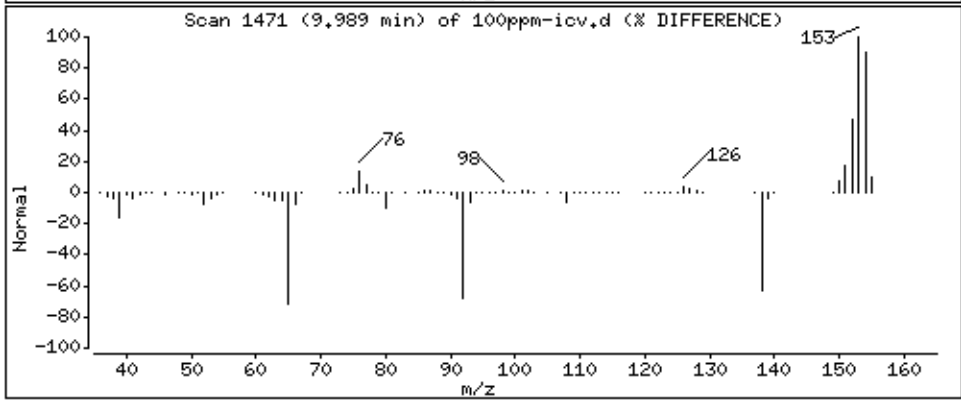












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Page 44

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

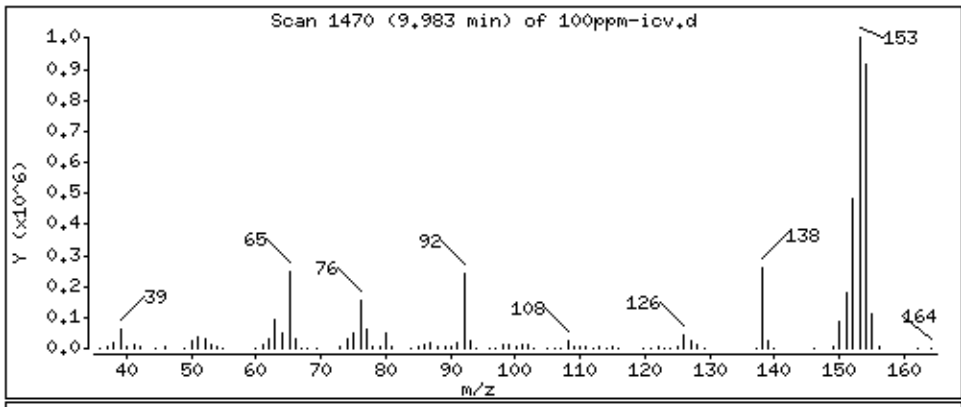
Operator: SN

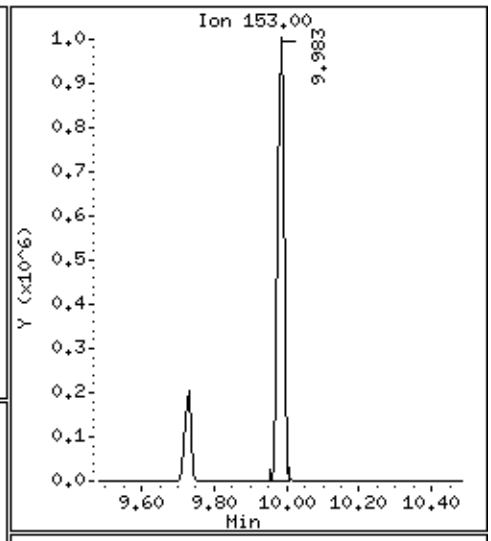
Column phase: .50um DB-5ms

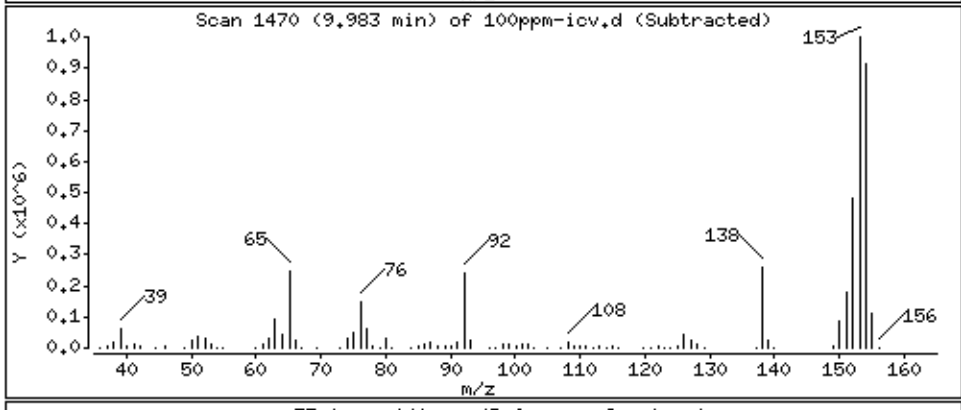
Column diameter: 0.25

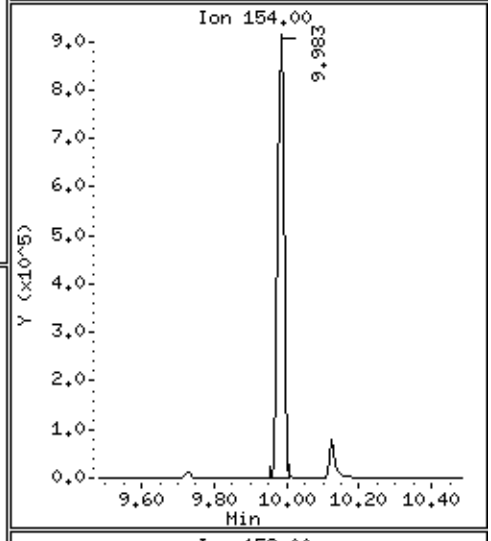
55 Acenaphthene

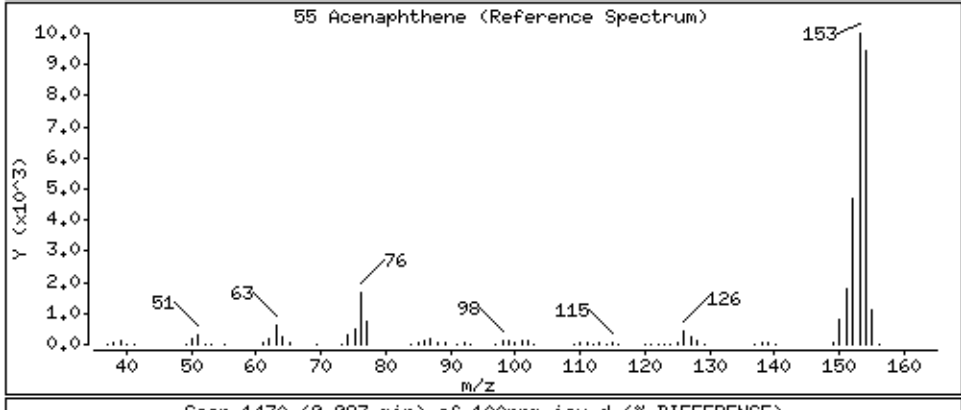
Concentration: 99.54 ug/L

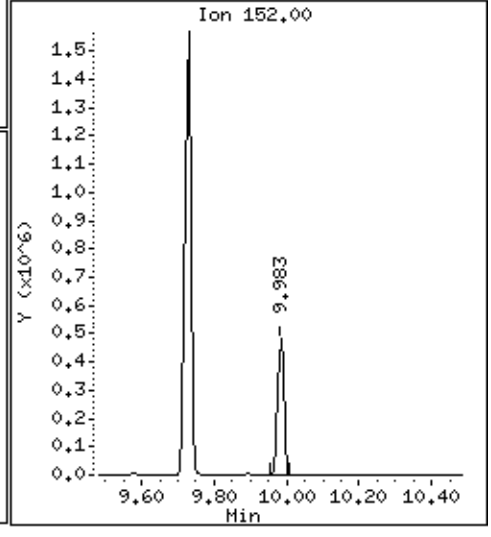


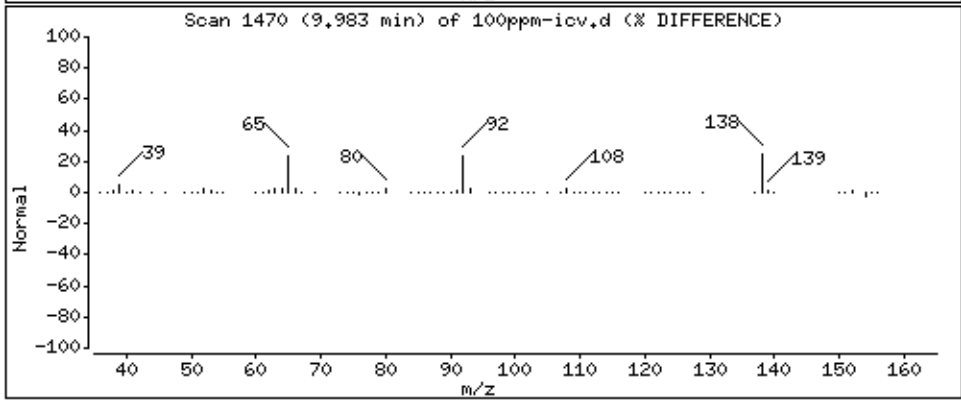












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

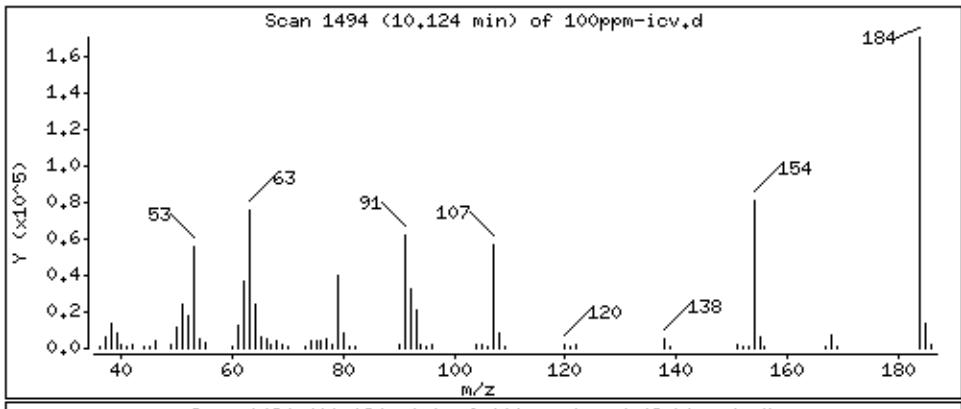
Operator: SN

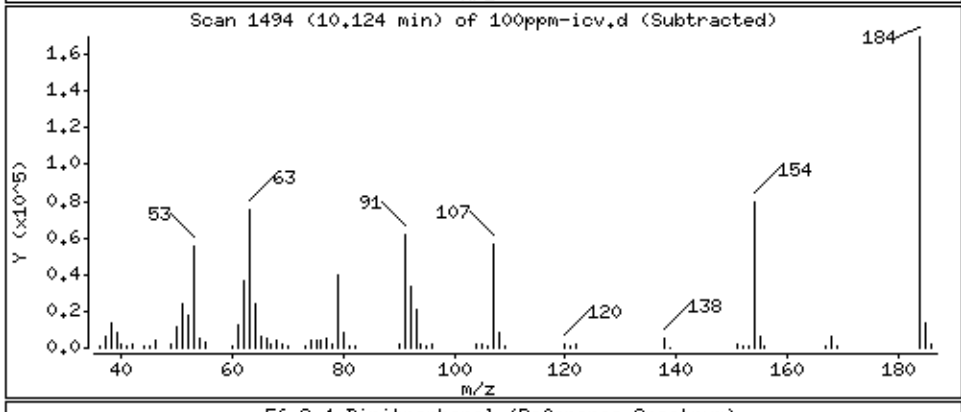
Column phase: .50um DB-5ms

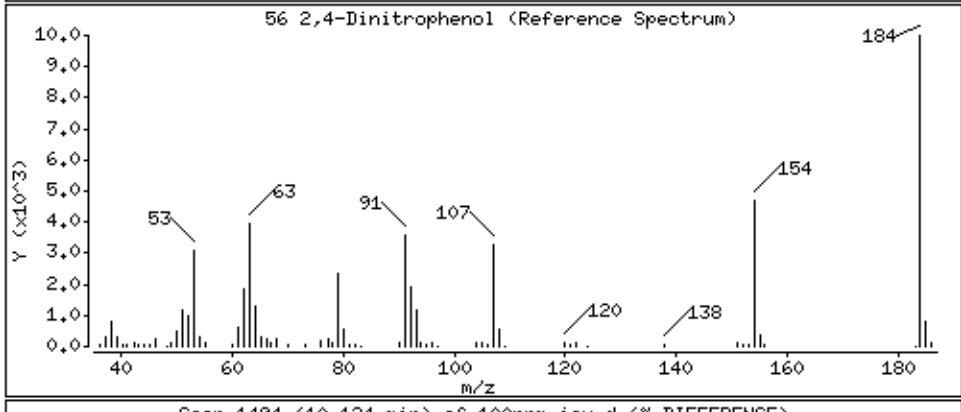
Column diameter: 0.25

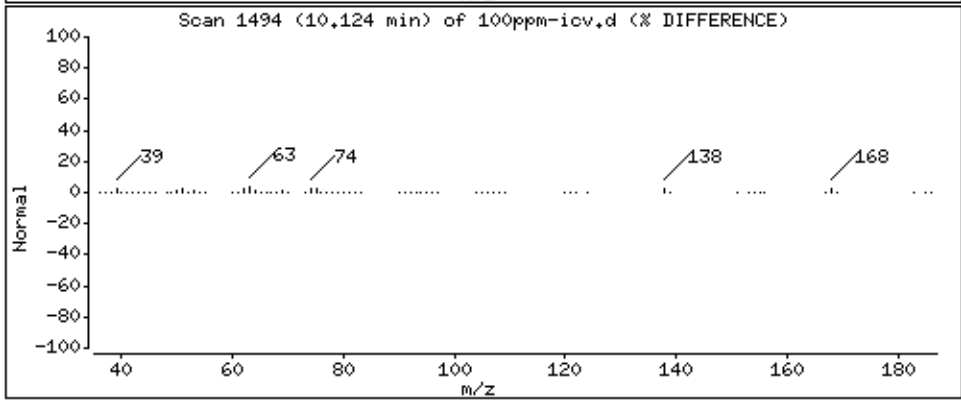
56 2,4-Dinitrophenol

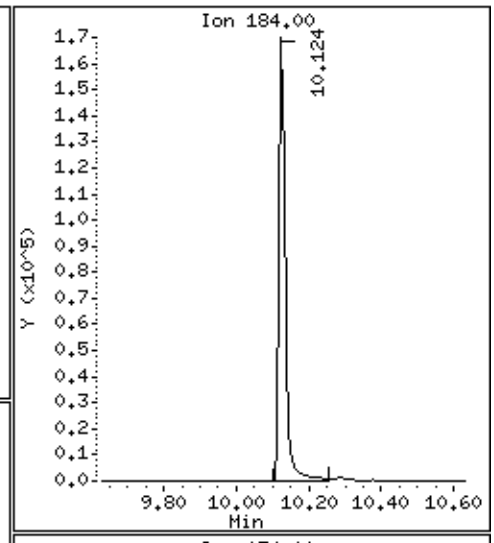
Concentration: 107.5 ug/L

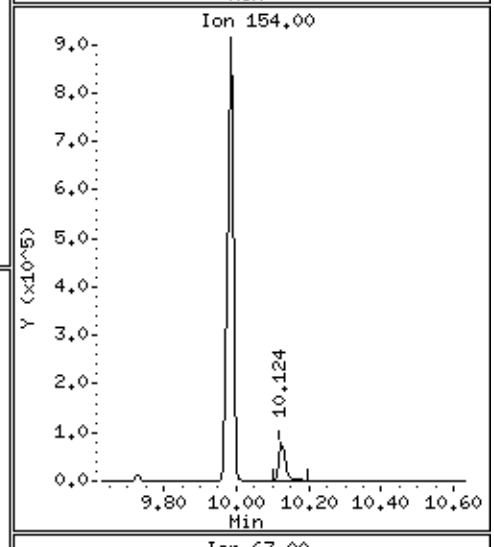


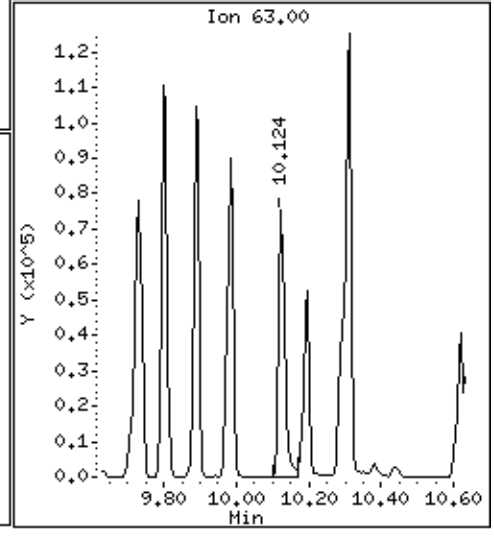












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

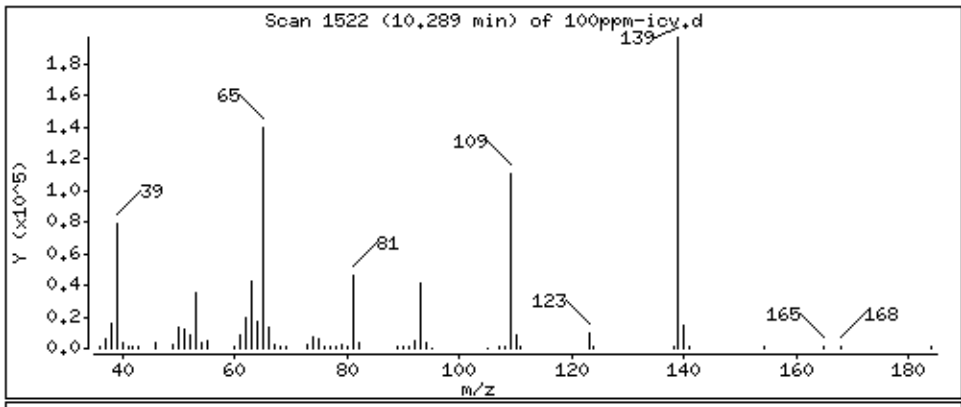
Operator: SN

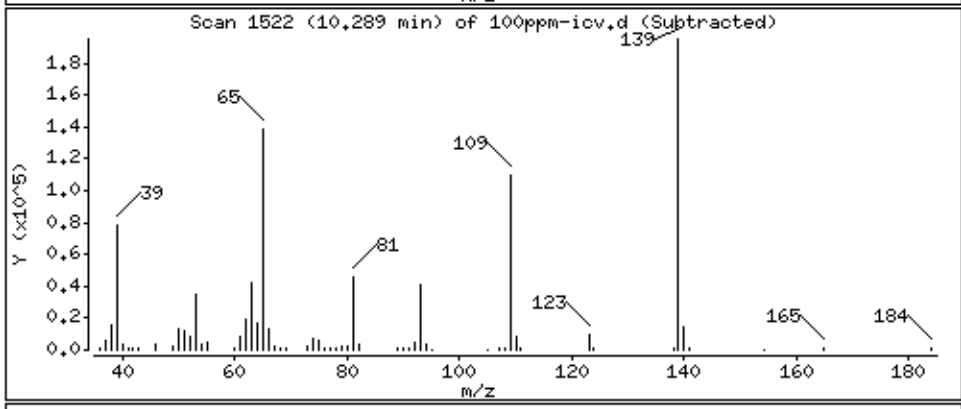
Column phase: .50um DB-5ms

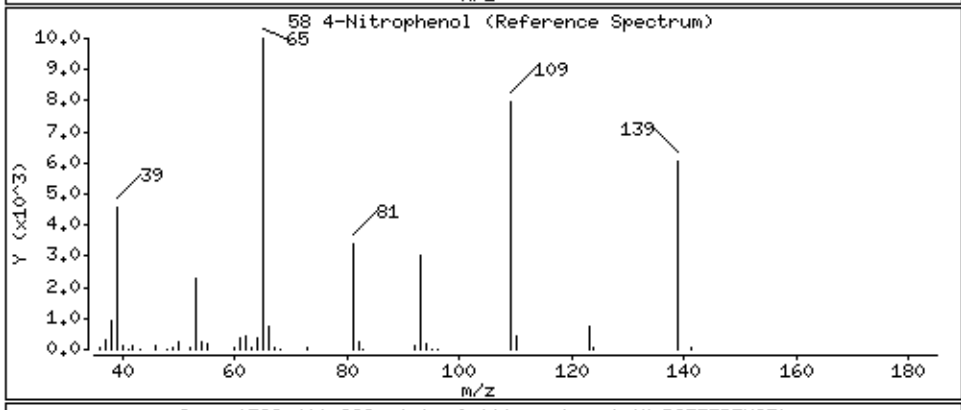
Column diameter: 0.25

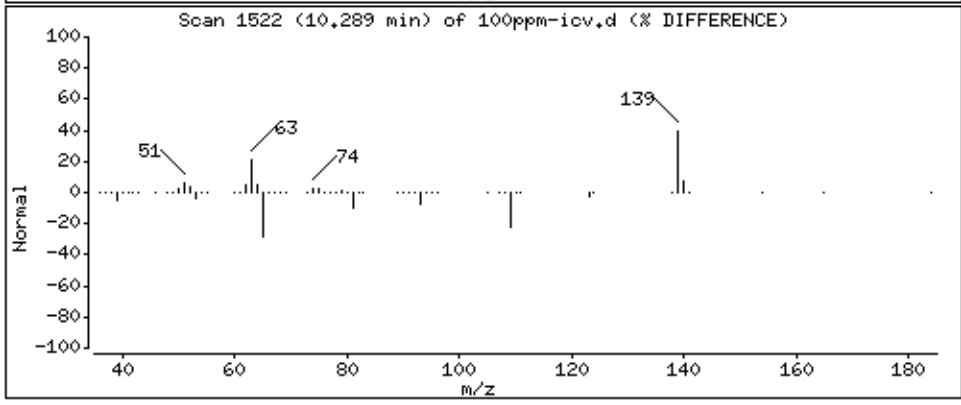
58 4-Nitrophenol

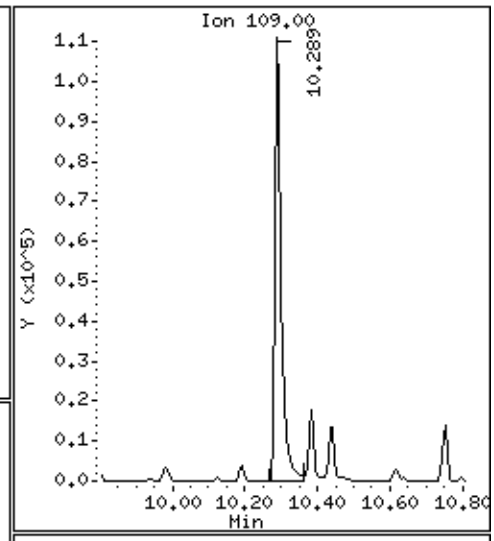
Concentration: 103.0 ug/L

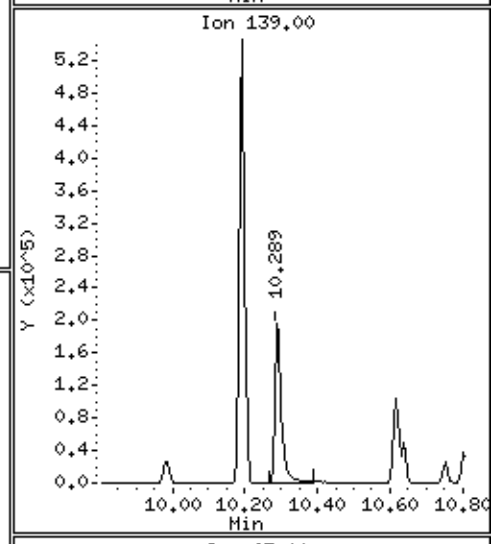


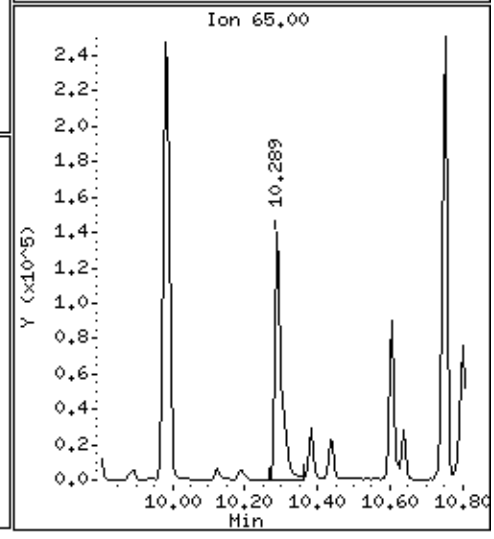












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

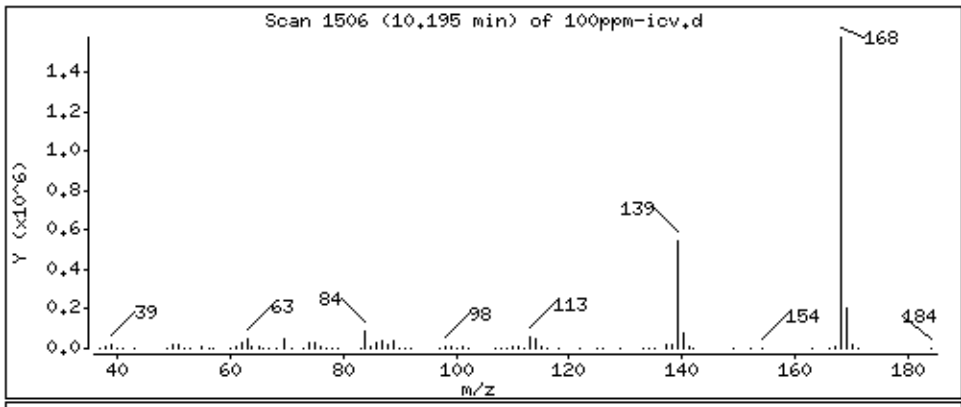
Operator: SN

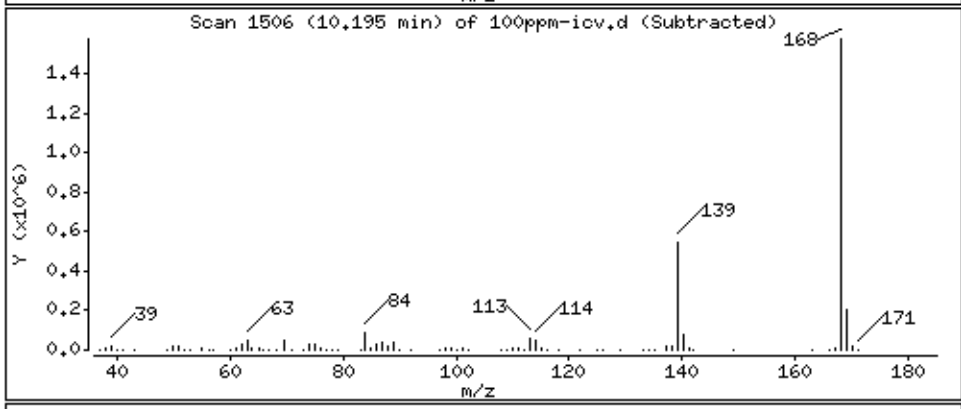
Column phase: .50um DB-5ms

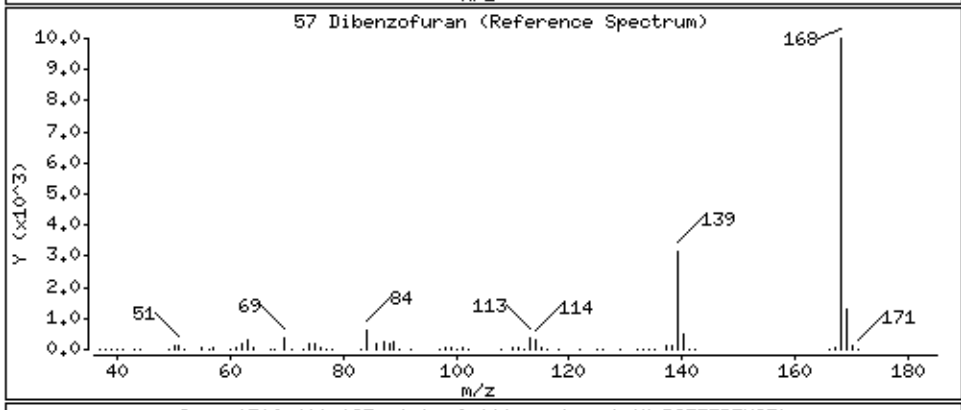
Column diameter: 0.25

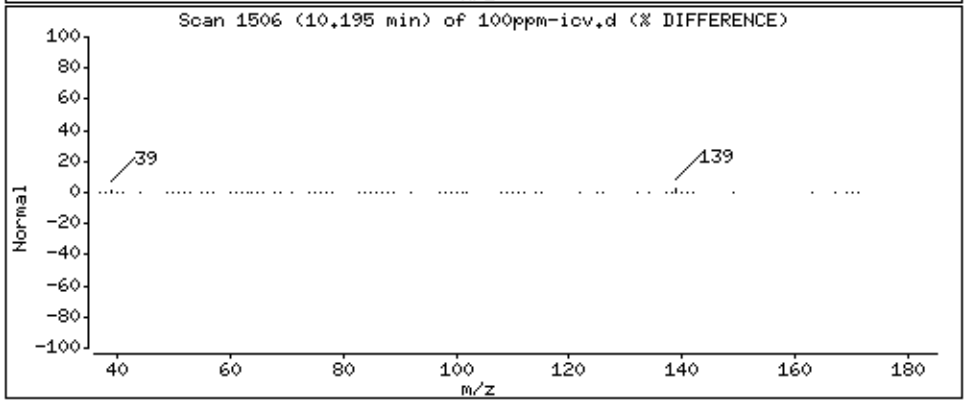
57 Dibenzofuran

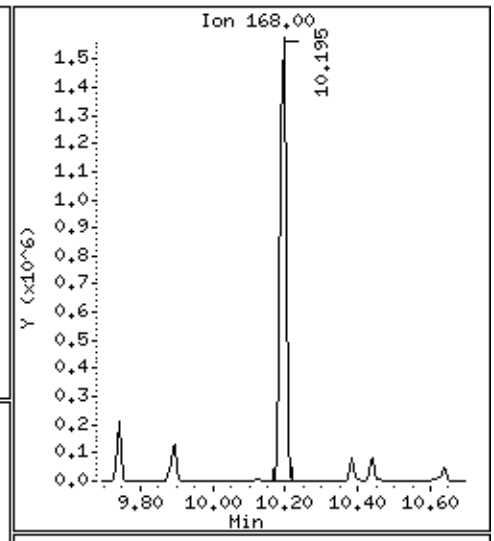
Concentration: 97.40 ug/L

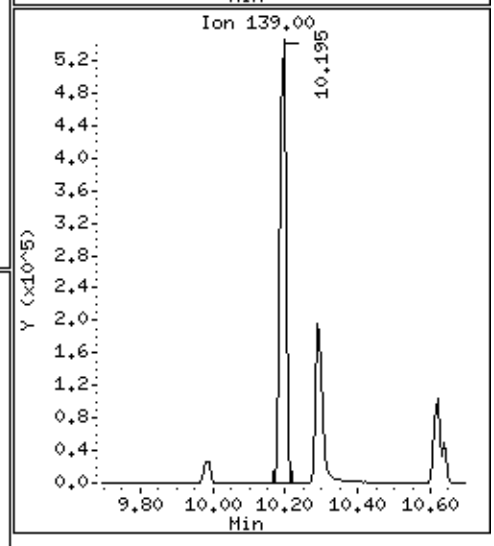












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

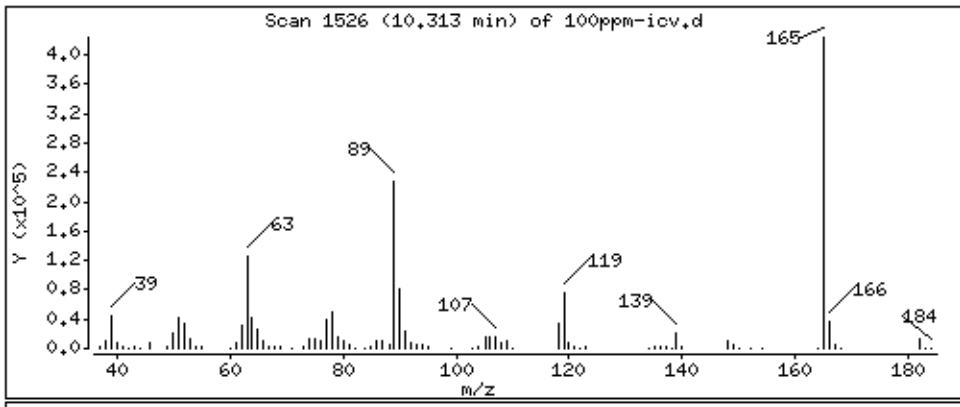
Operator: SN

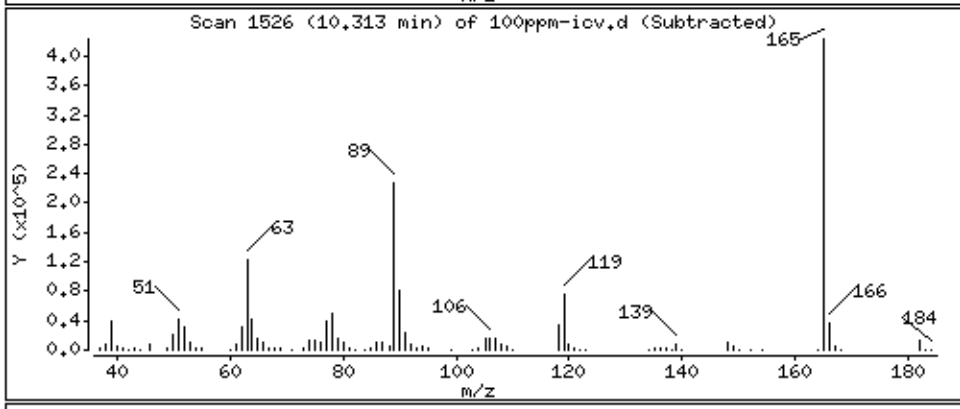
Column phase: .50um DB-5ms

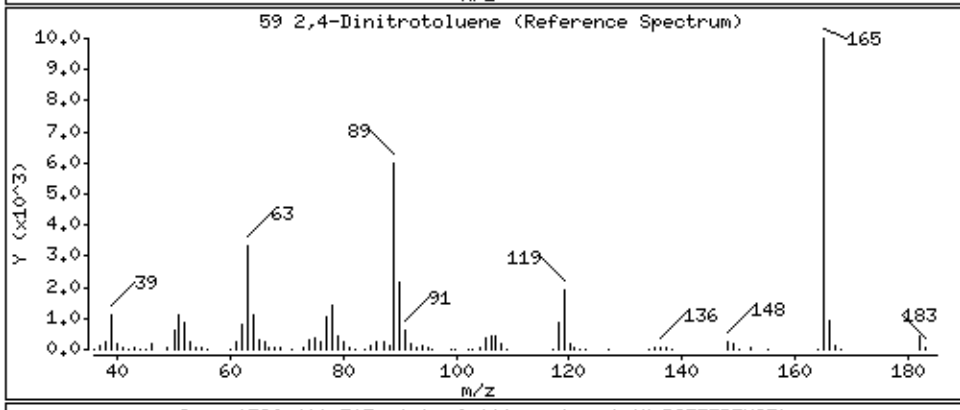
Column diameter: 0.25

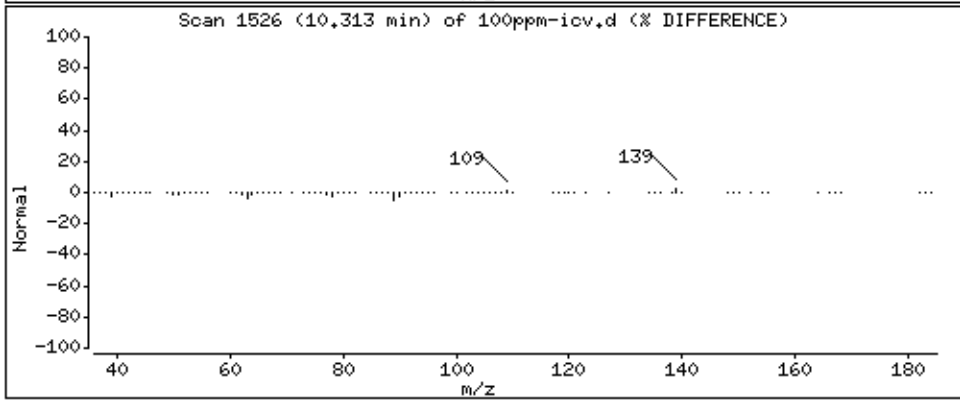
59 2,4-Dinitrotoluene

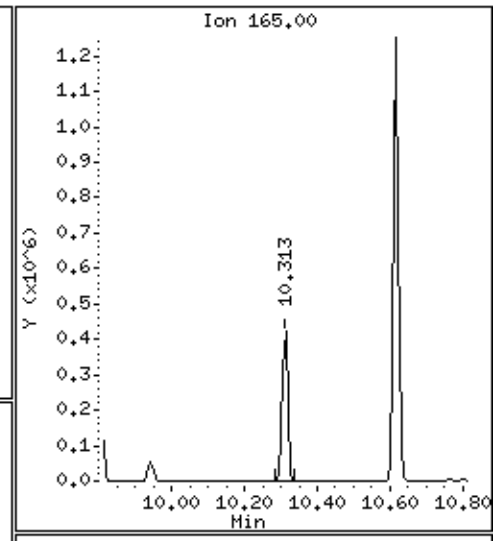
Concentration: 107.0 ug/L

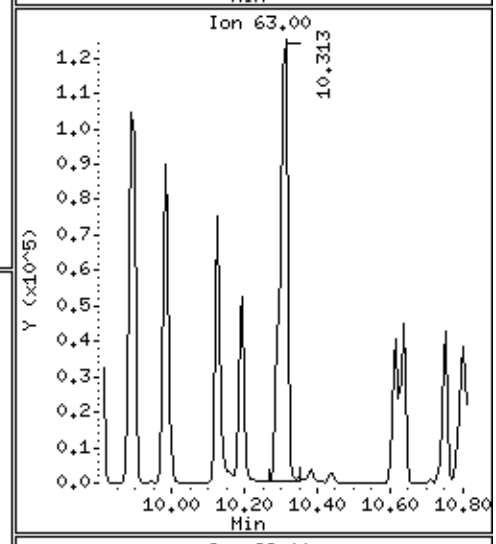


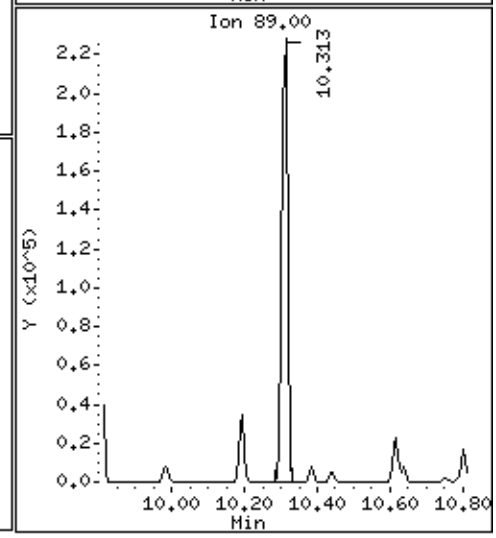












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

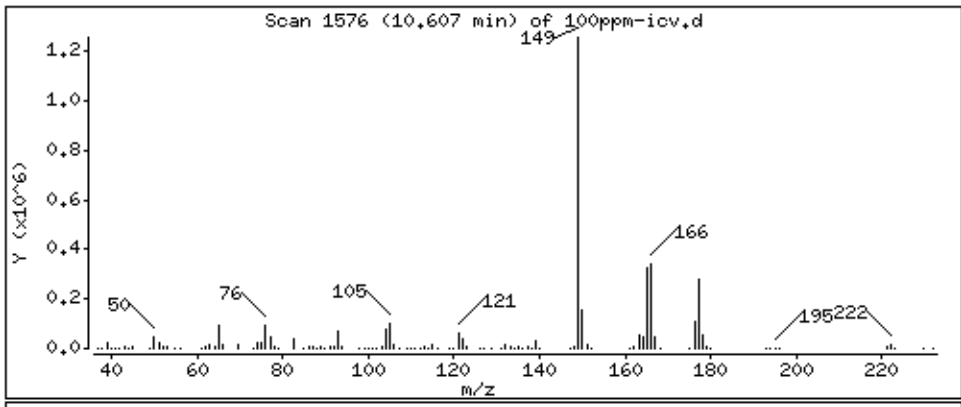
Operator: SN

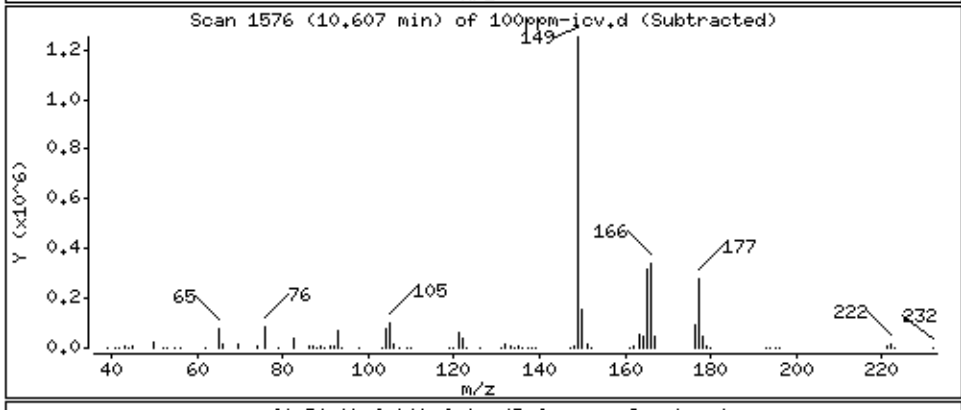
Column phase: .50um DB-5ms

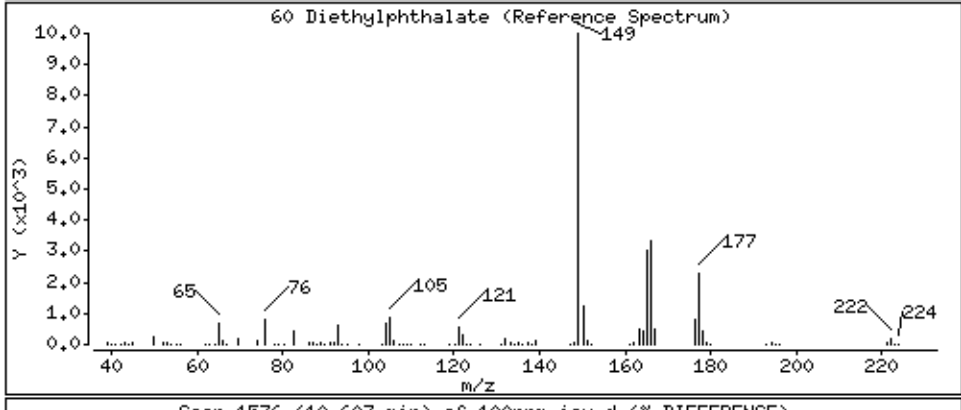
Column diameter: 0.25

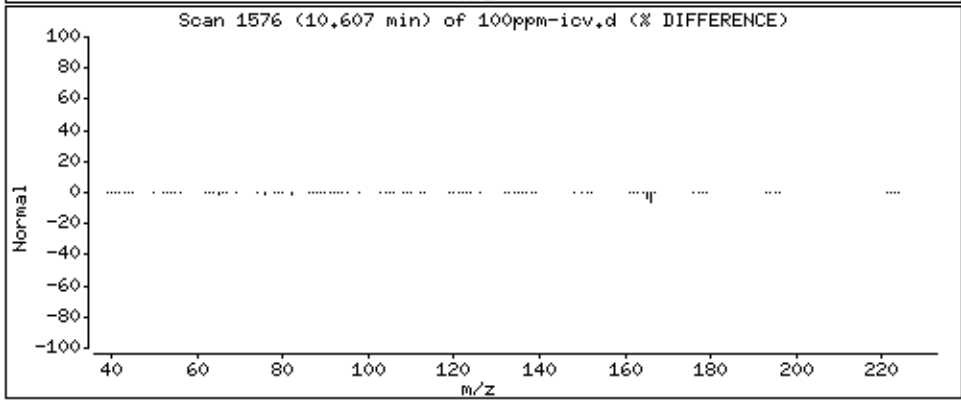
60 Diethylphthalate

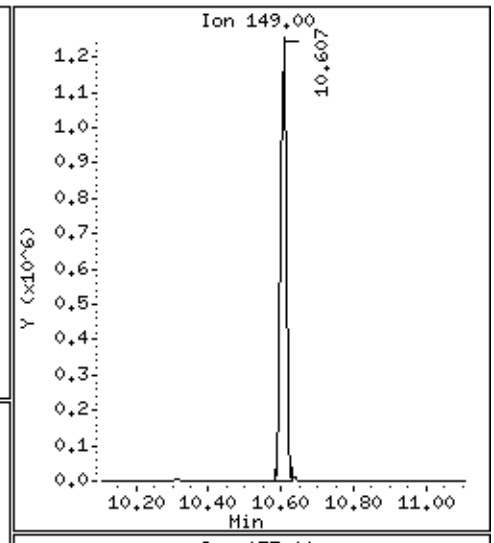
Concentration: 112.8 ug/L

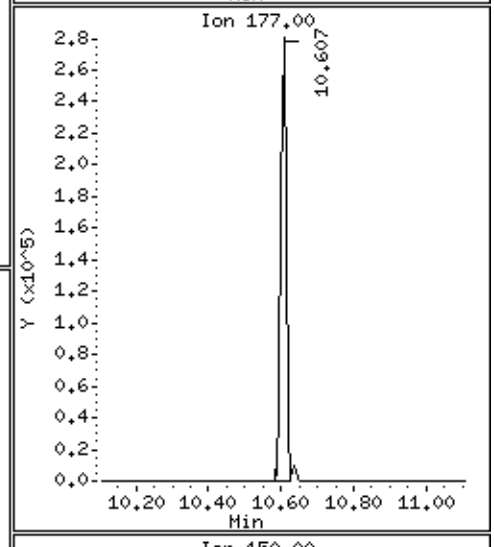


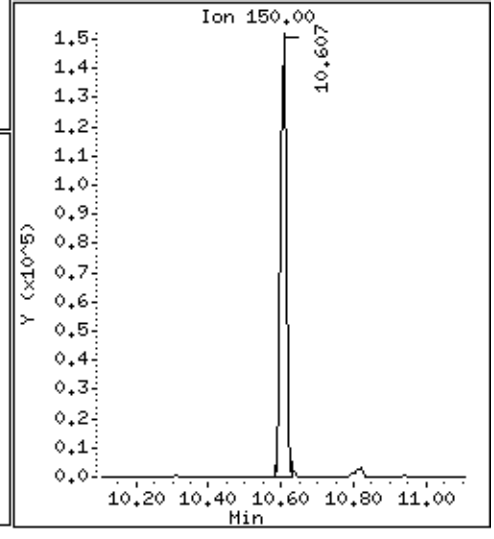












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

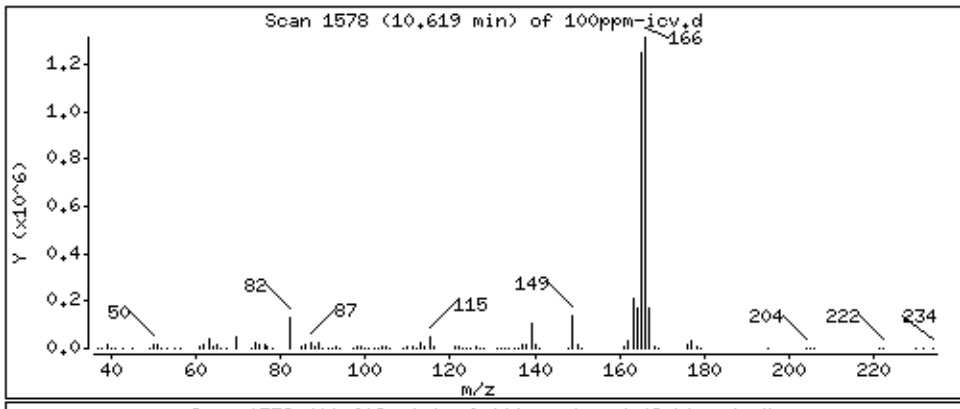
Operator: SN

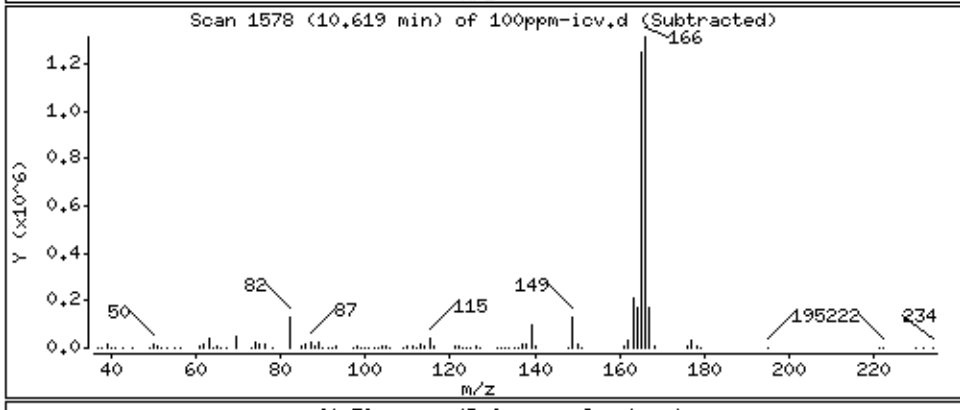
Column phase: .50um DB-5ms

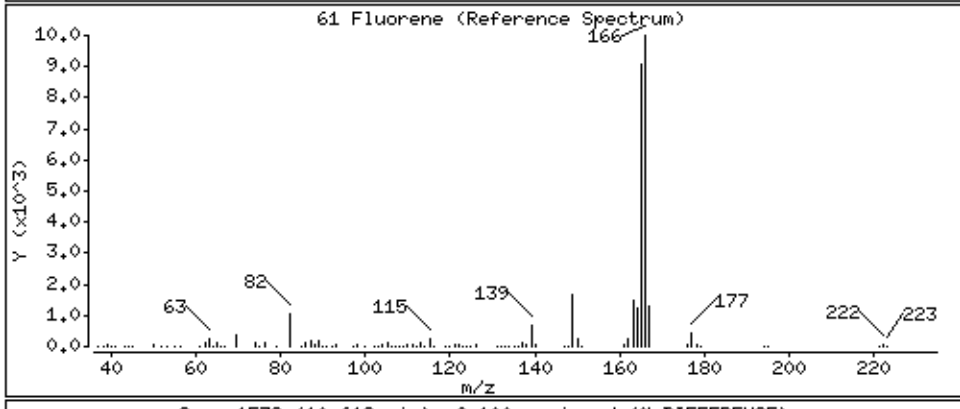
Column diameter: 0.25

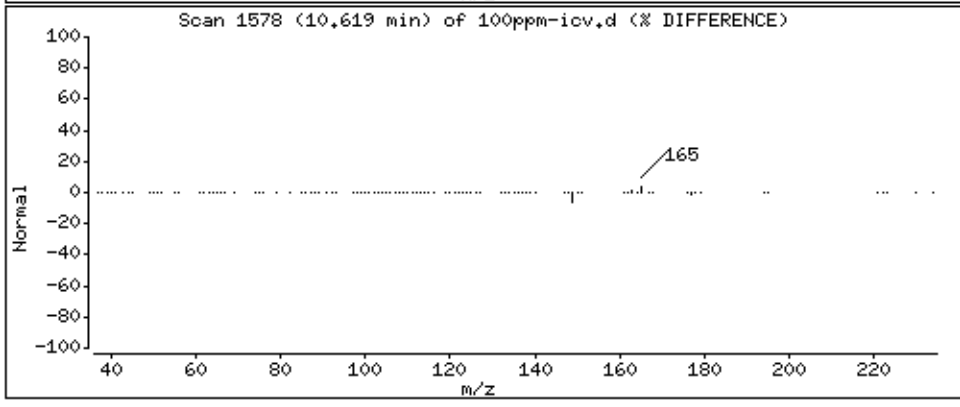
61 Fluorene

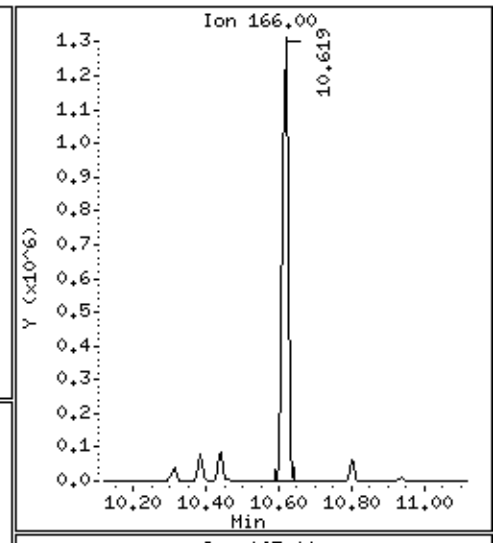
Concentration: 109.6 ug/L

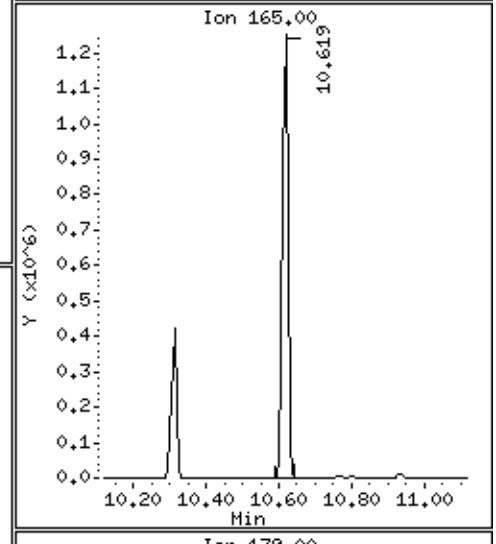


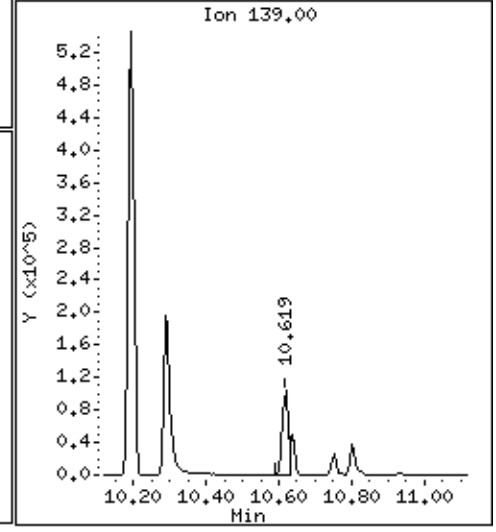












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

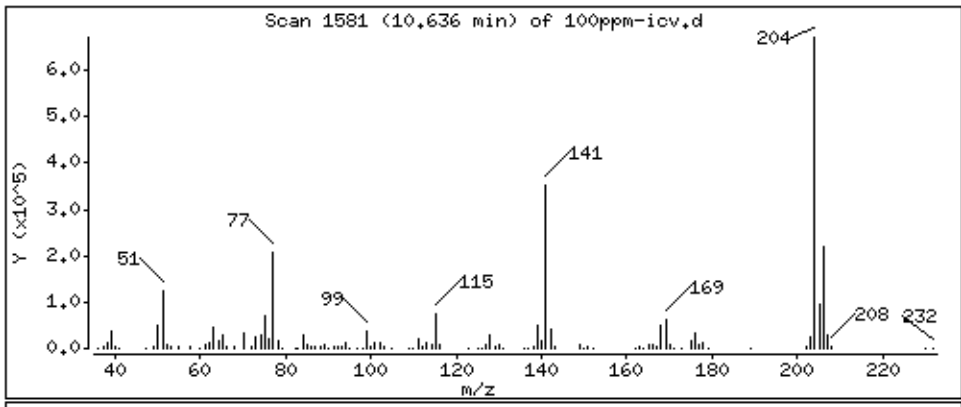
Operator: SN

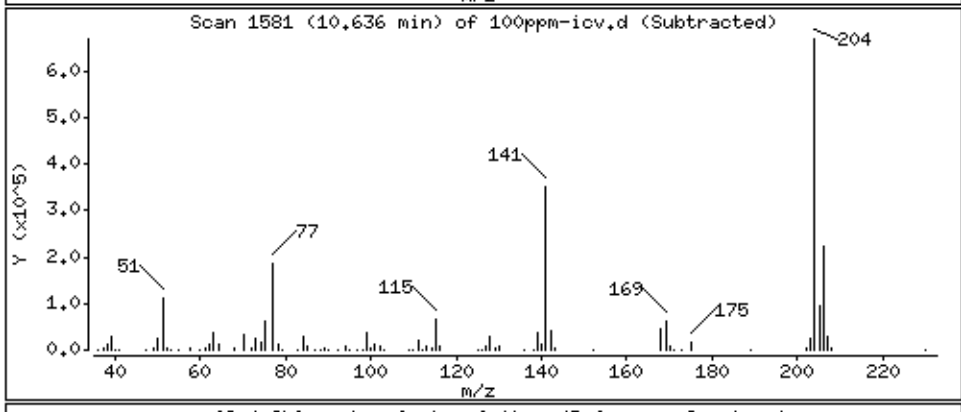
Column phase: .50um DB-5ms

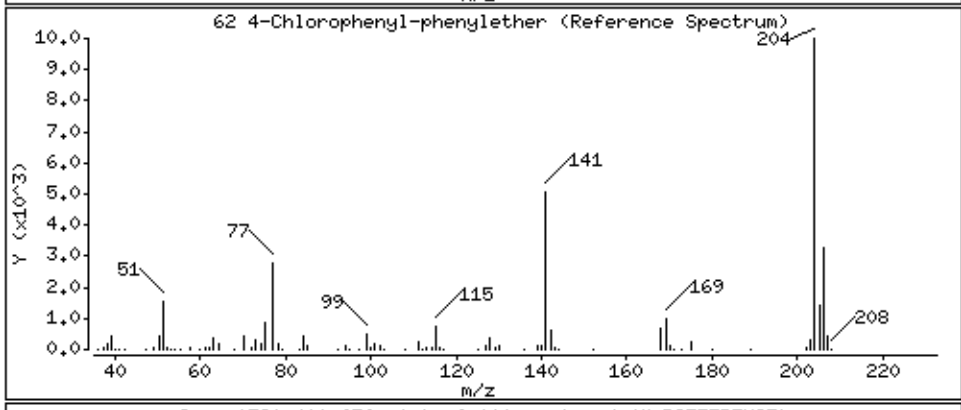
Column diameter: 0.25

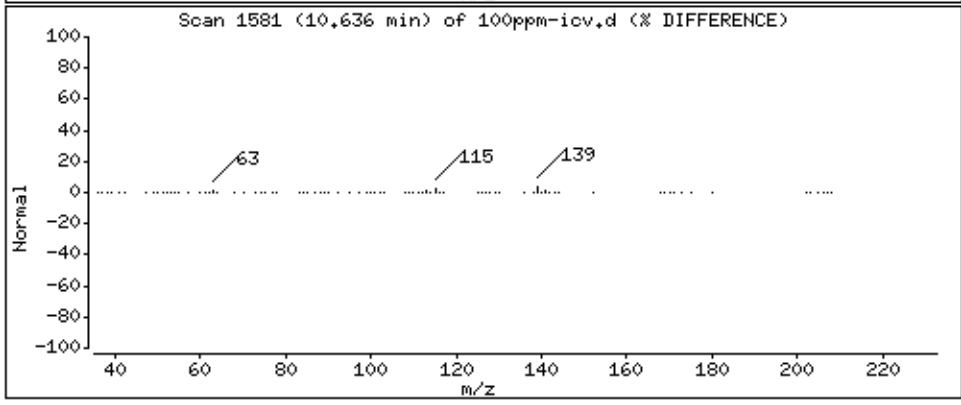
62 4-Chlorophenyl-phenylether

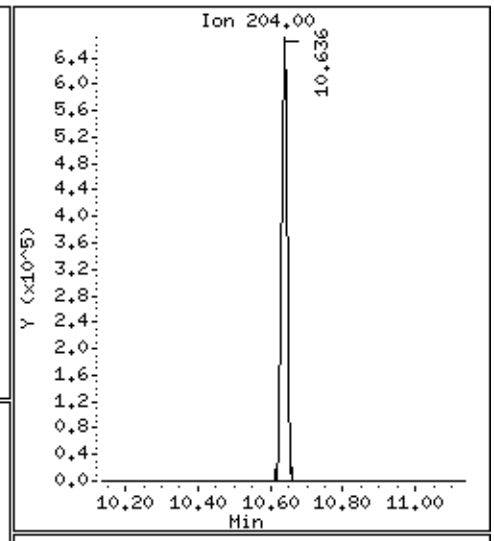
Concentration: 98.42 ug/L

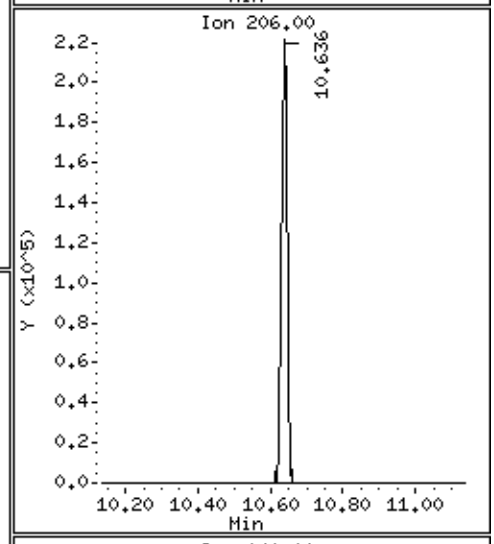


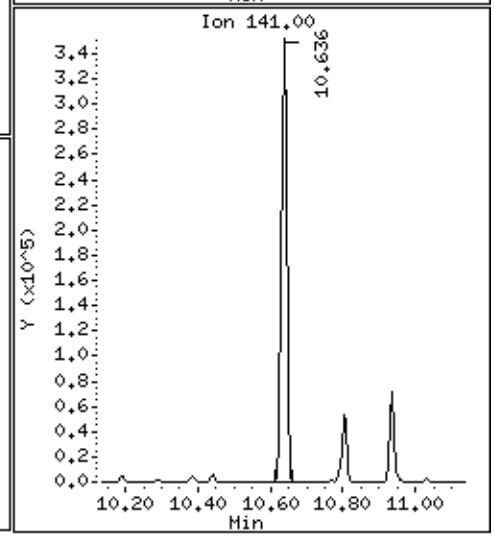












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

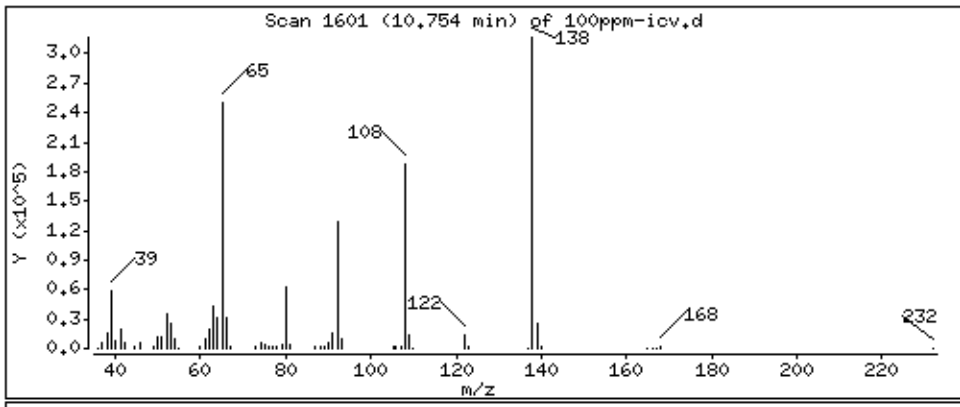
Operator: SN

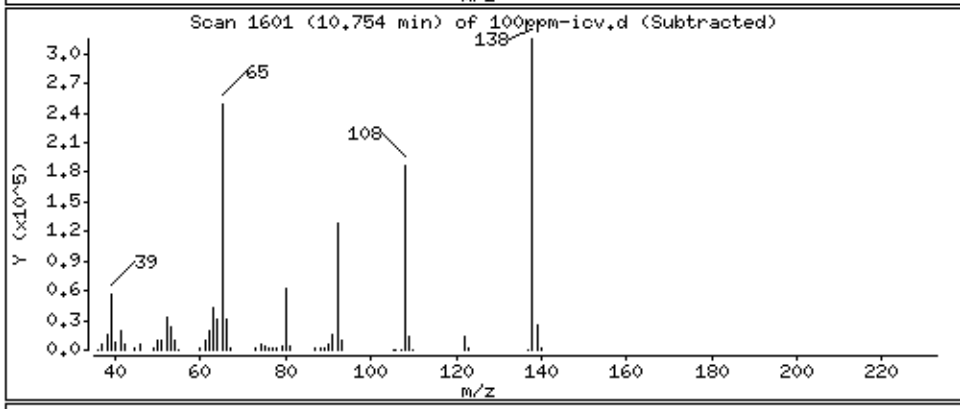
Column phase: .50um DB-5ms

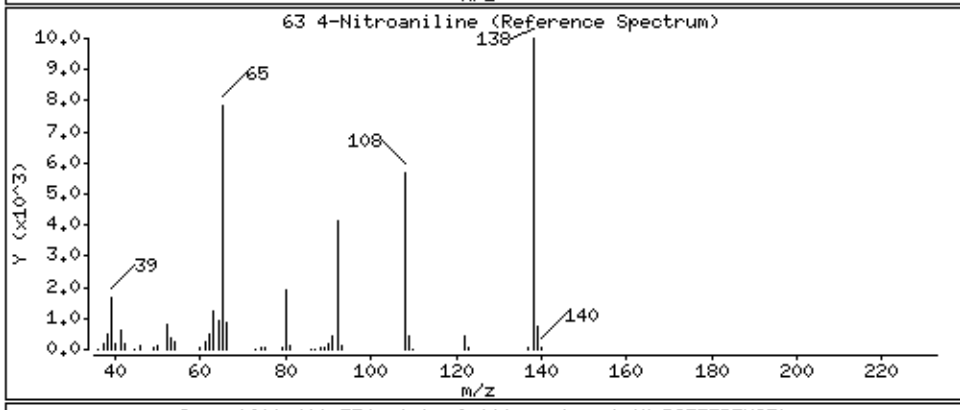
Column diameter: 0.25

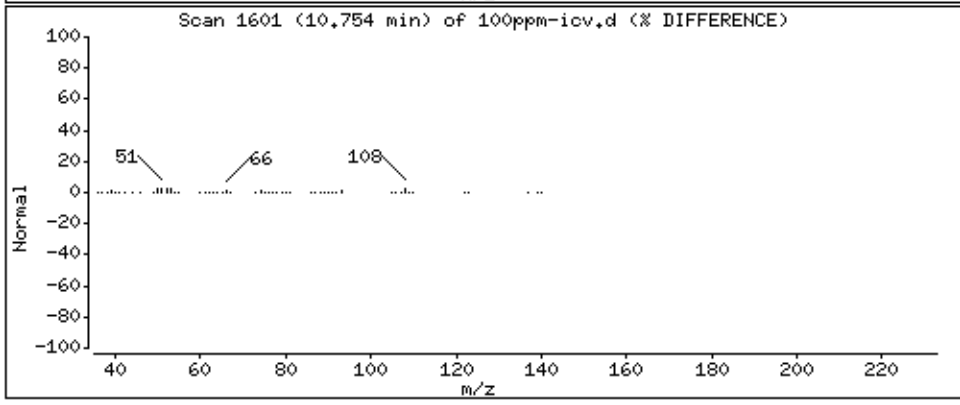
63 4-Nitroaniline

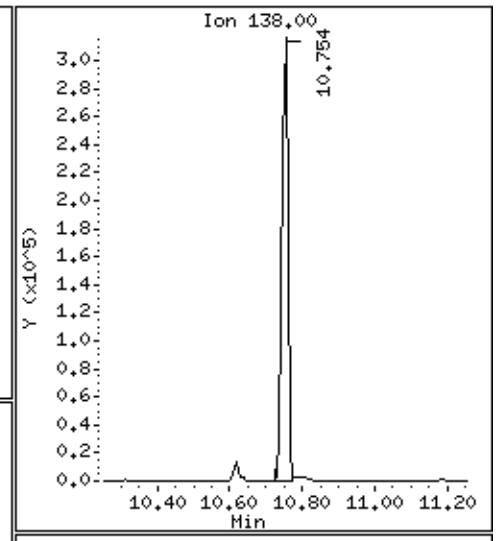
Concentration: 105.5 ug/L

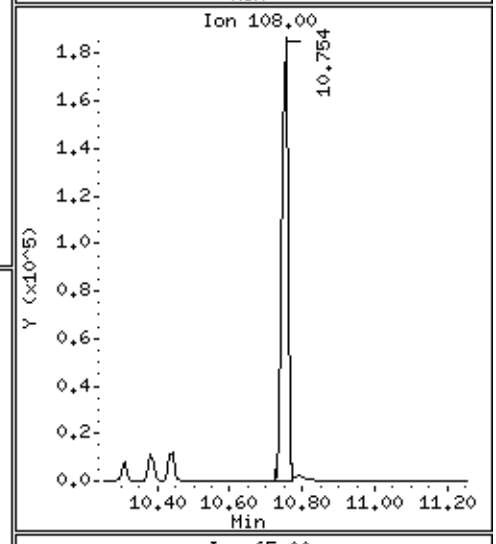


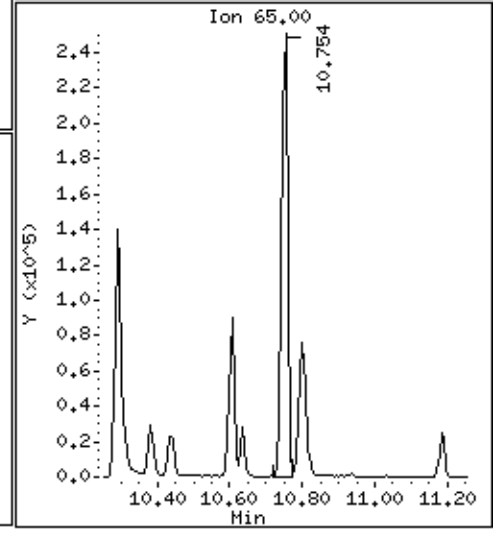












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

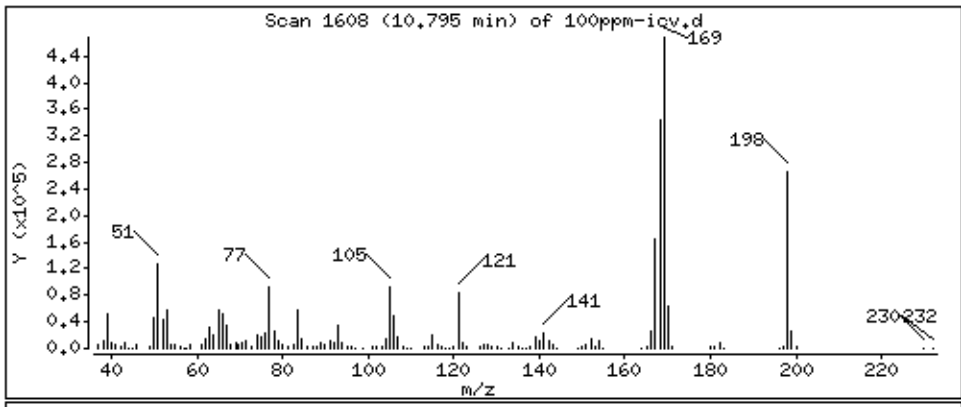
Operator: SN

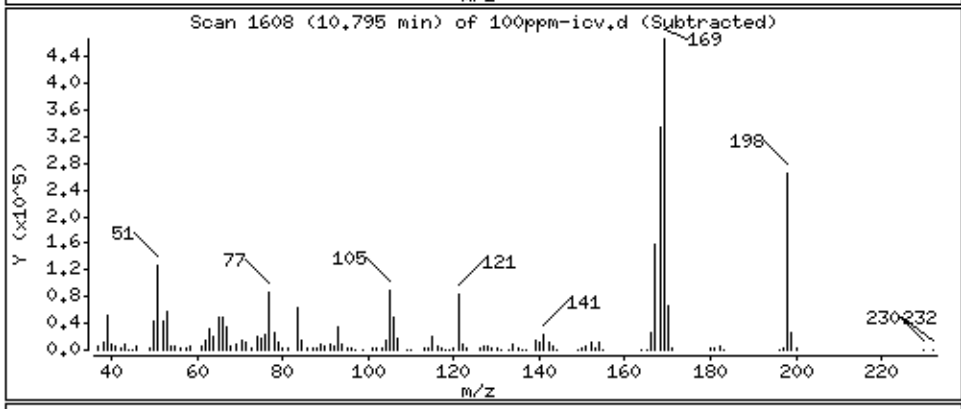
Column phase: .50um DB-5ms

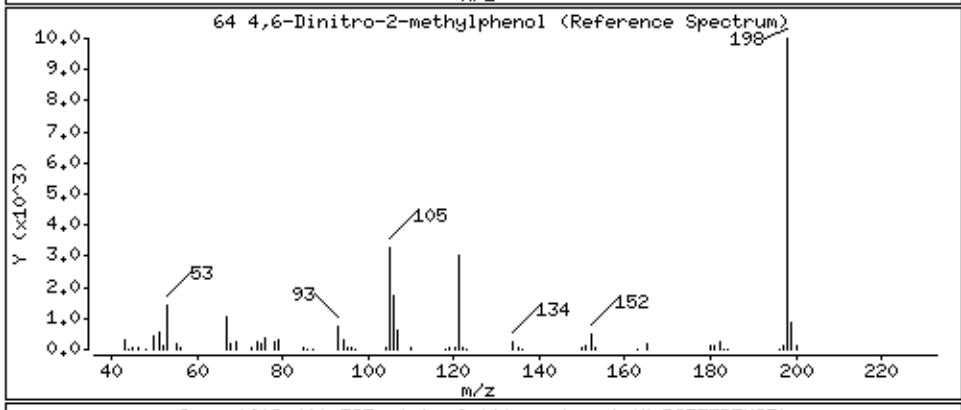
Column diameter: 0.25

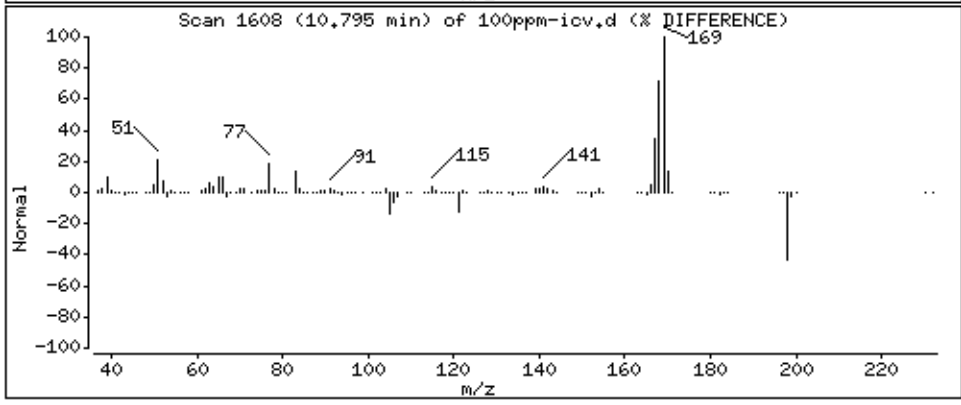
64 4,6-Dinitro-2-methylphenol

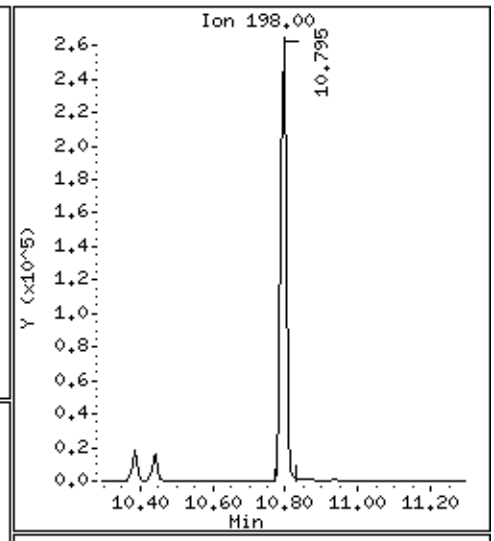
Concentration: 115.5 ug/L

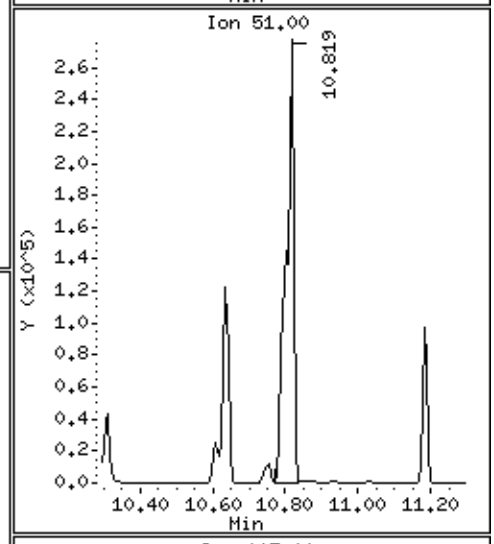


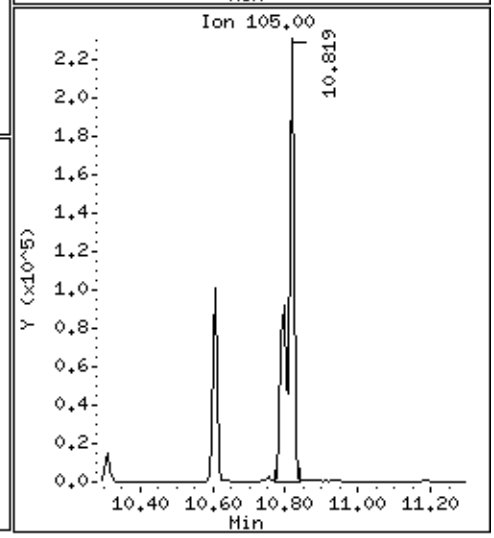












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

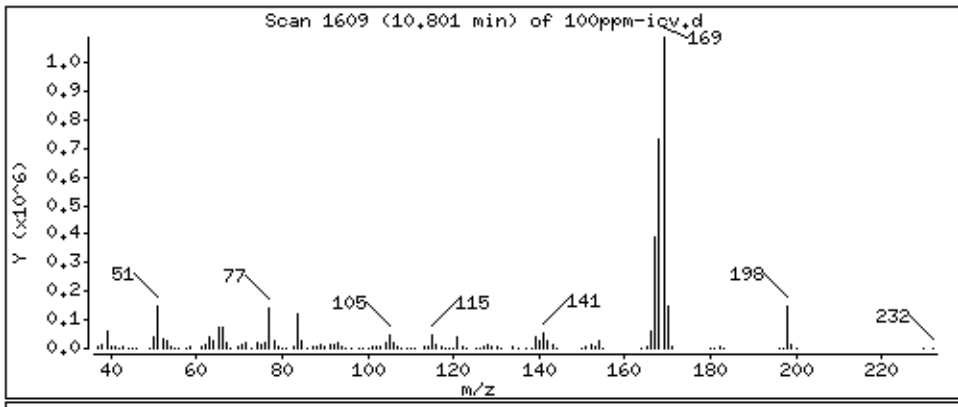
Operator: SN

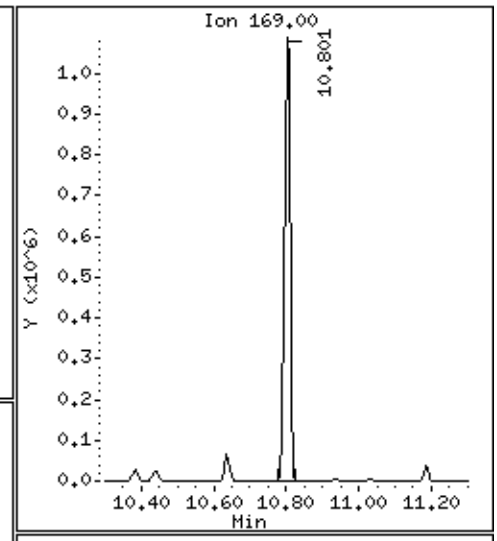
Column phase: .50um DB-5ms

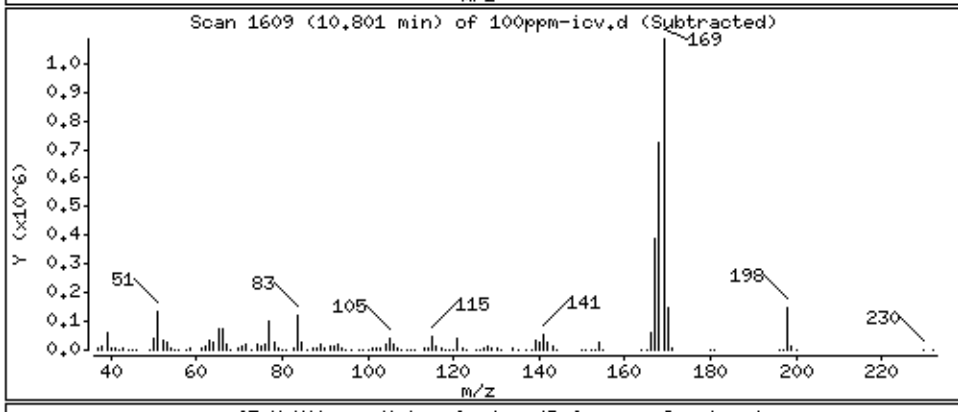
Column diameter: 0.25

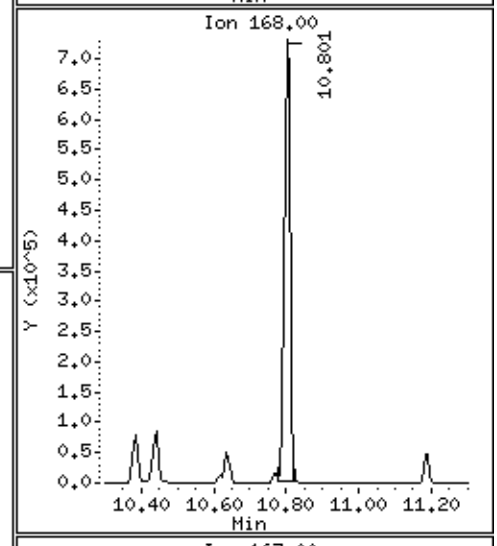
65 N-Nitrosodiphenylamine

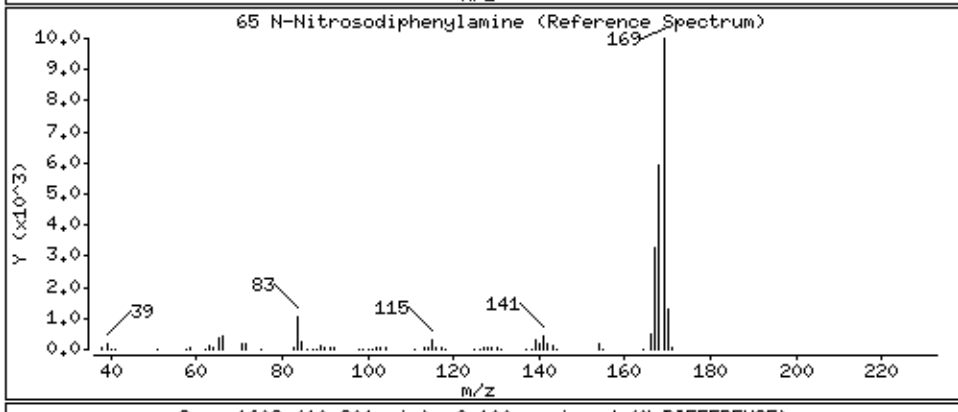
Concentration: 117.0 ug/L

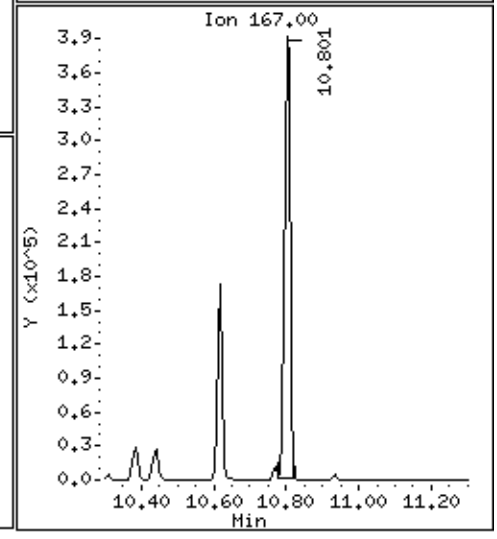


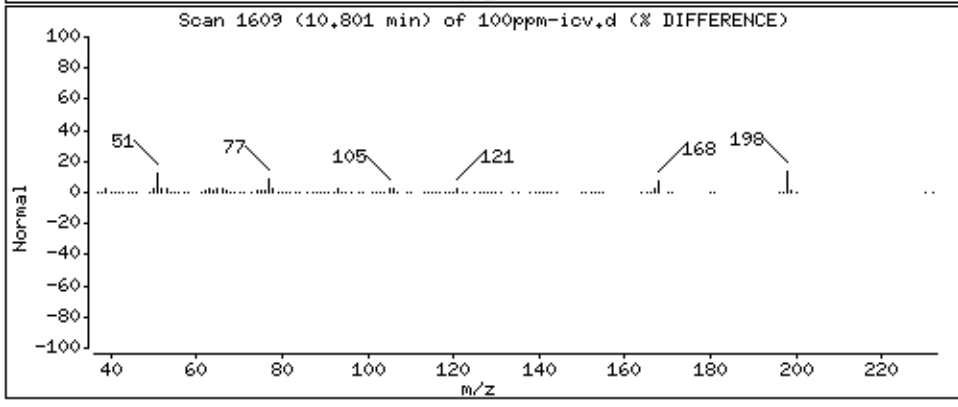












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

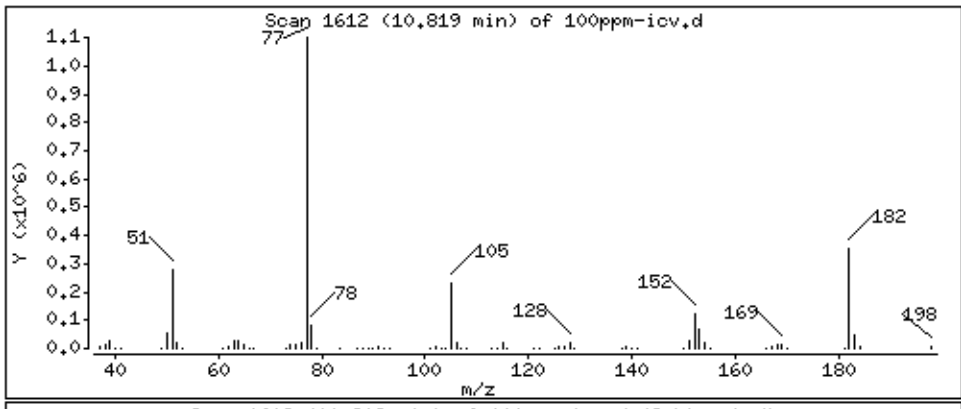
Operator: SN

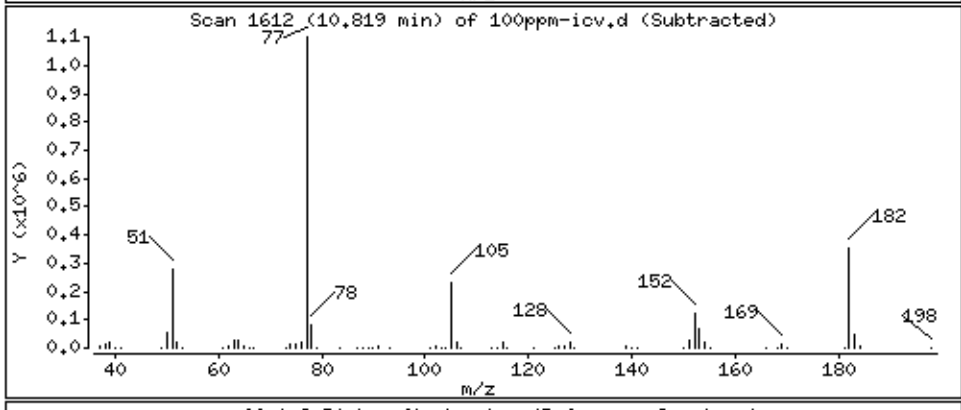
Column phase: .50um DB-5ms

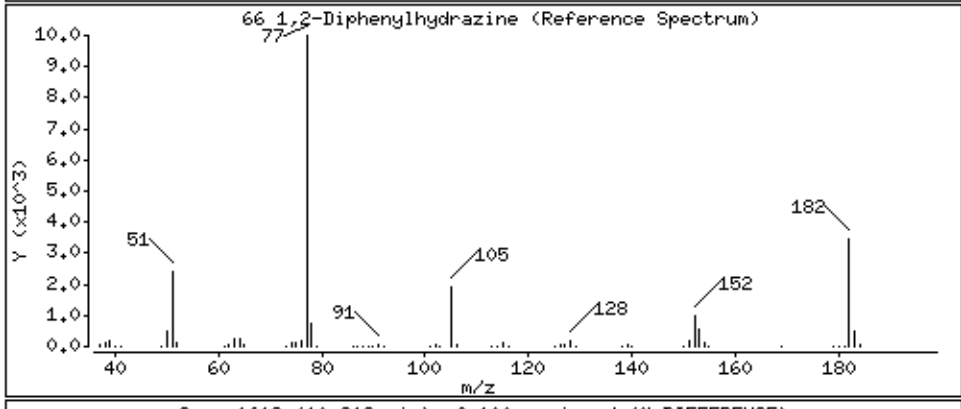
Column diameter: 0.25

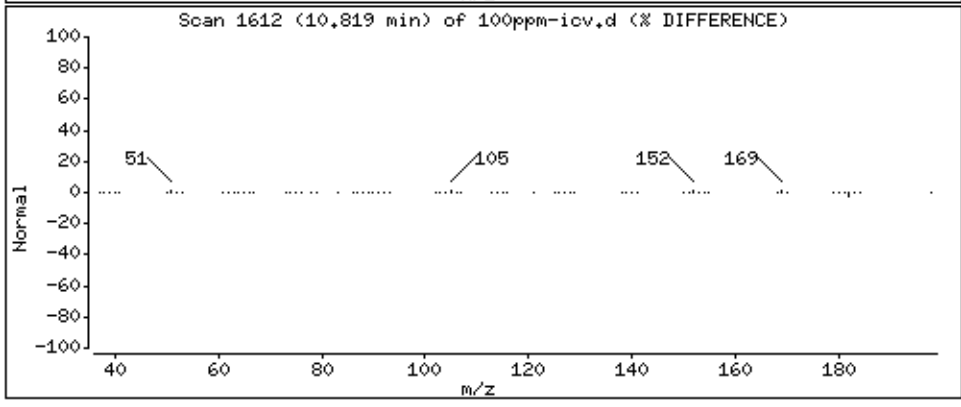
66 1,2-Diphenylhydrazine

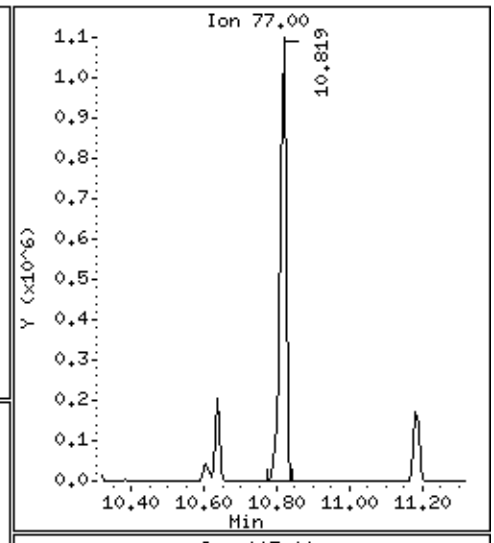
Concentration: 98.15 ug/L

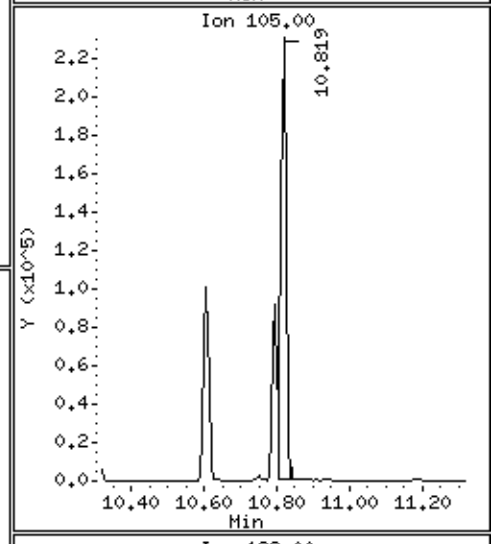


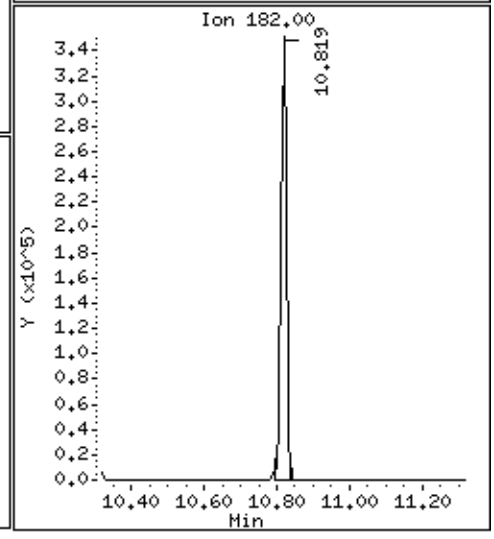












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

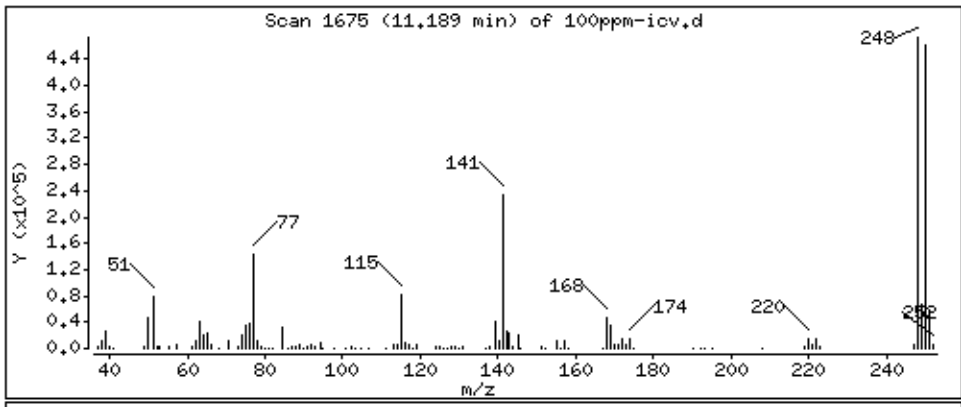
Operator: SN

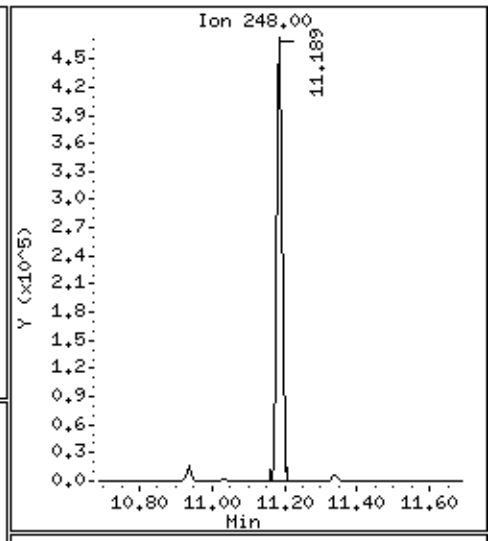
Column phase: .50um DB-5ms

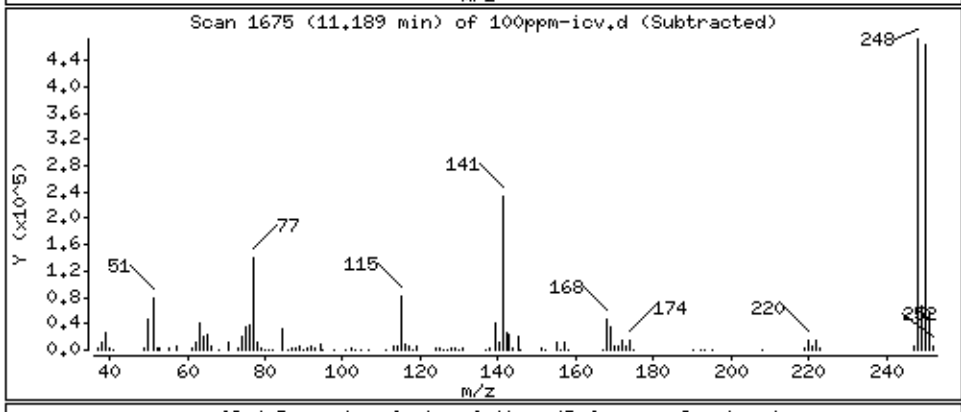
Column diameter: 0.25

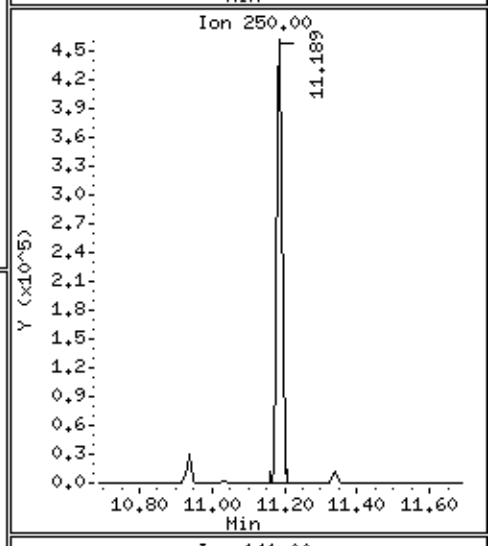
68 4-Bromophenyl-phenylether

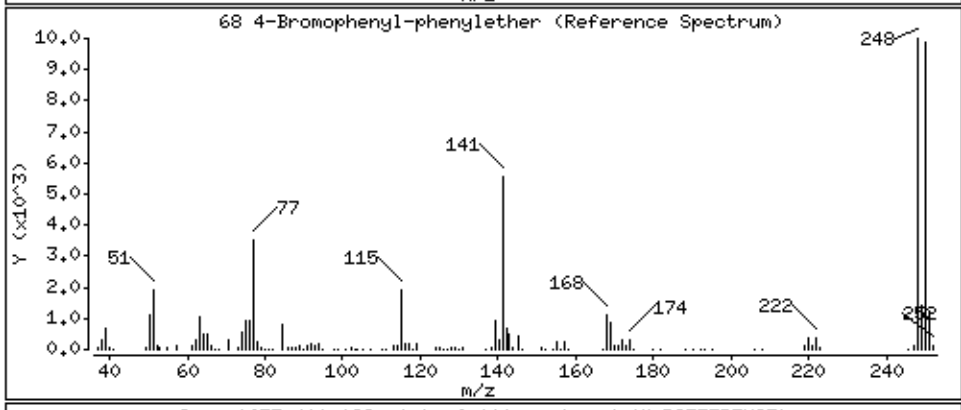
Concentration: 100.2 ug/L

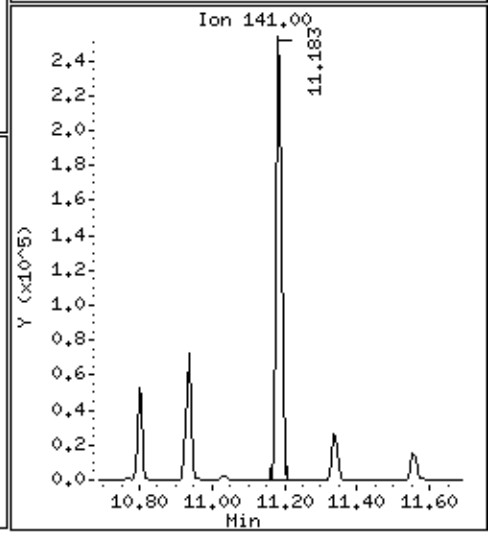


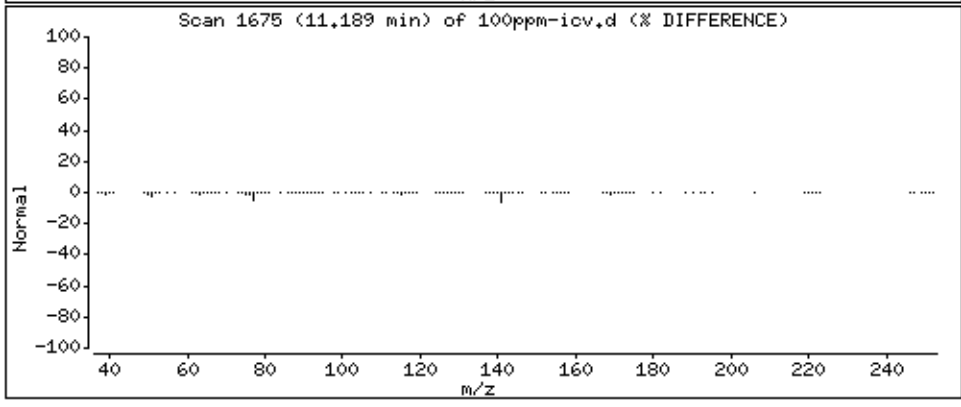












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

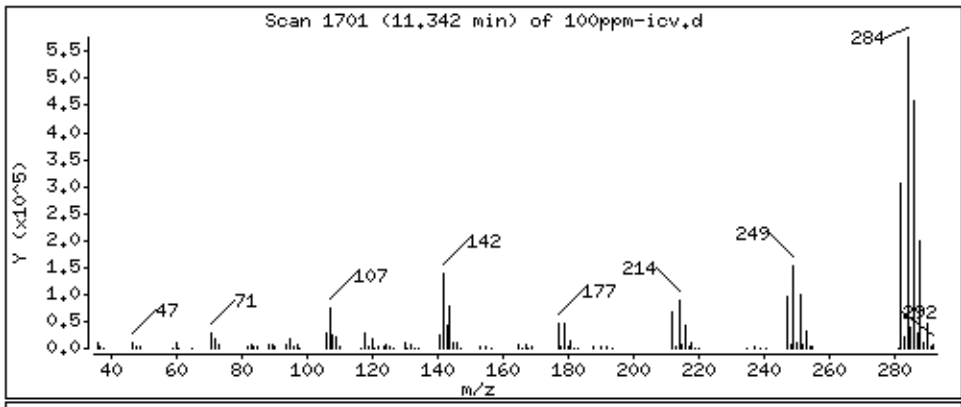
Operator: SN

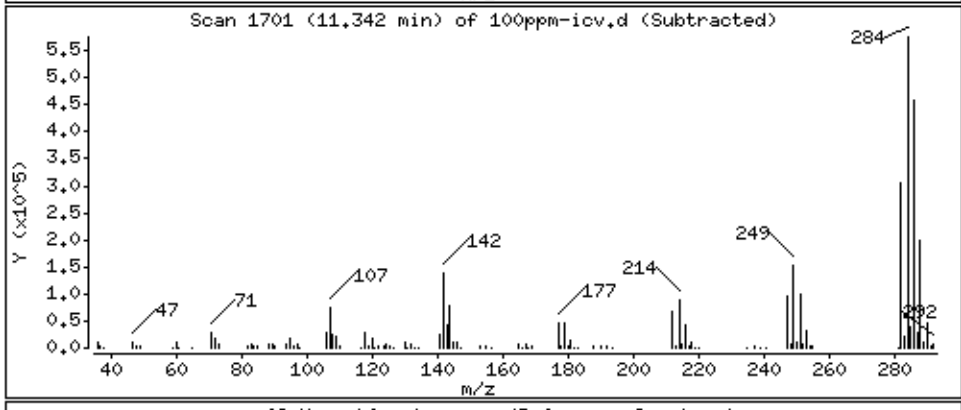
Column phase: .50um DB-5ms

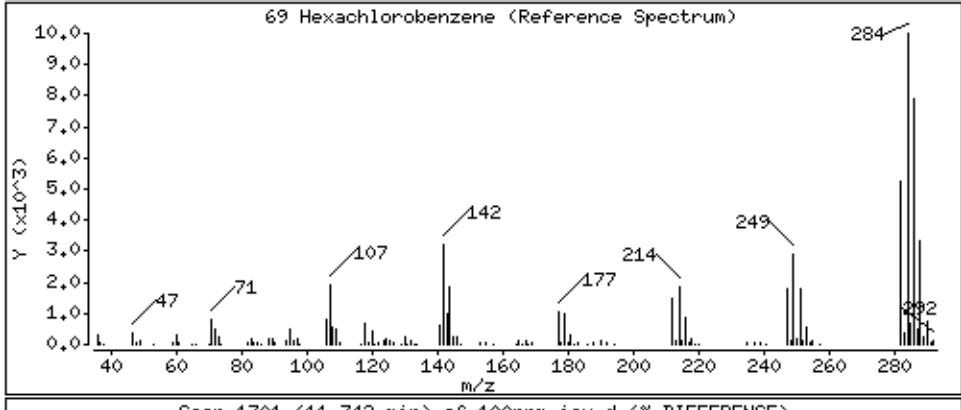
Column diameter: 0.25

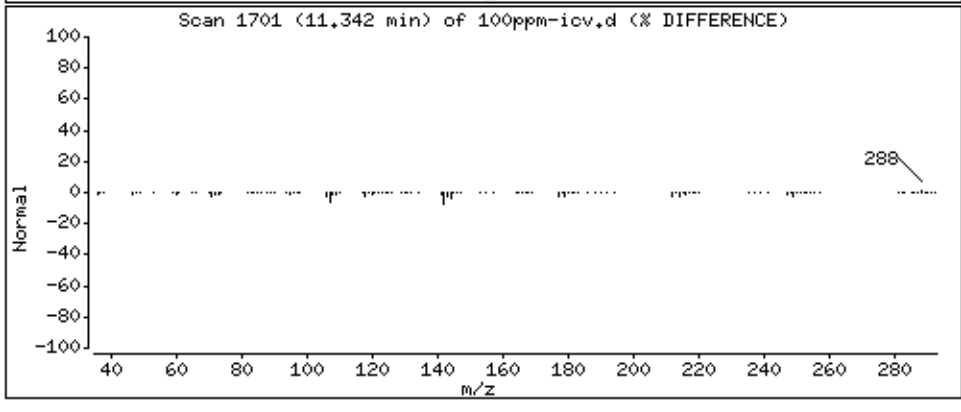
69 Hexachlorobenzene

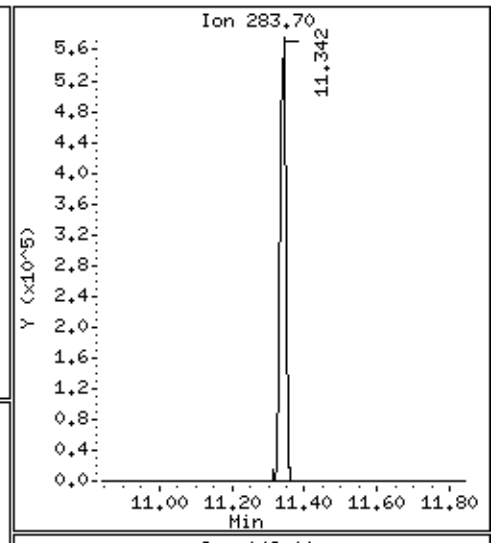
Concentration: 99.90 ug/L

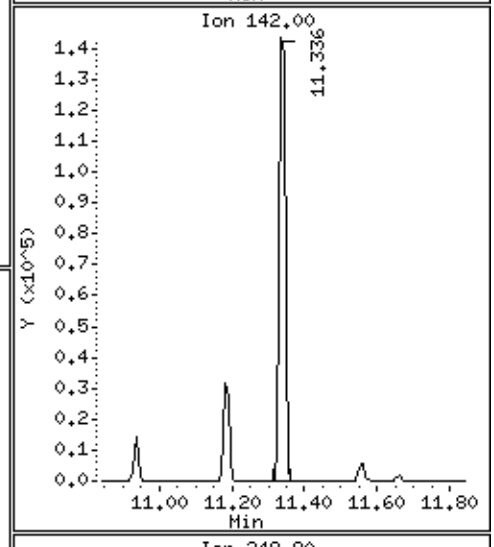


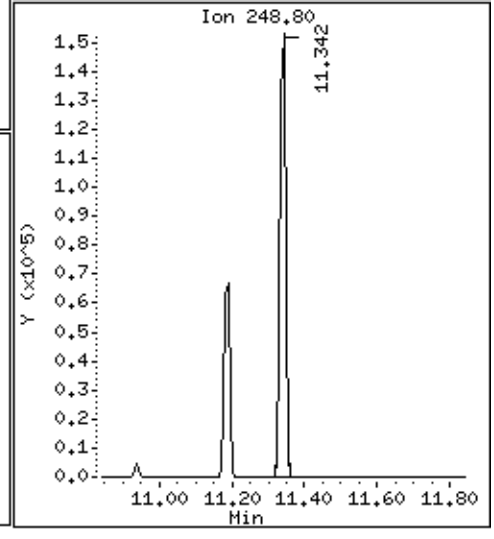












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

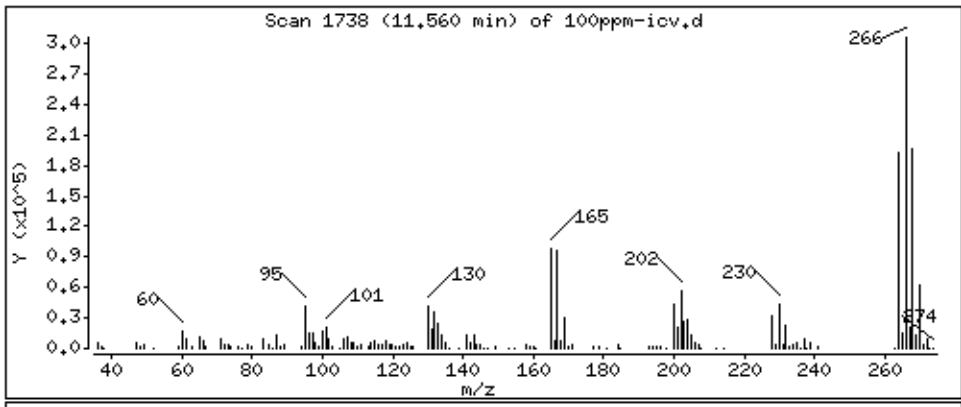
Operator: SN

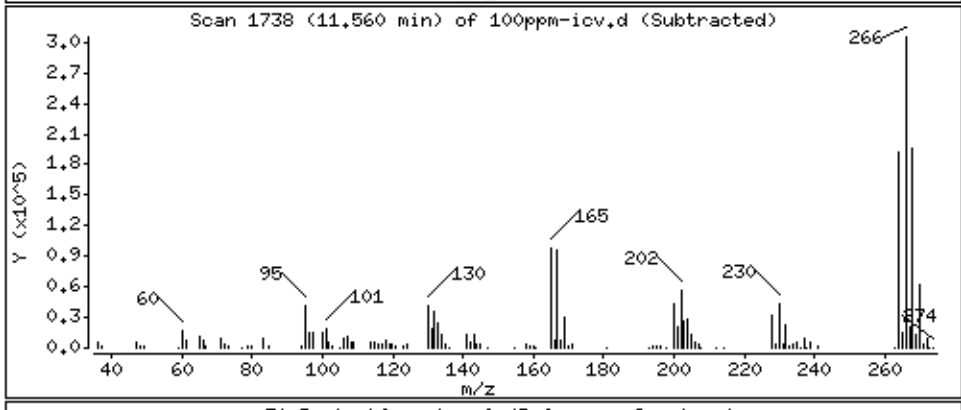
Column phase: .50um DB-5ms

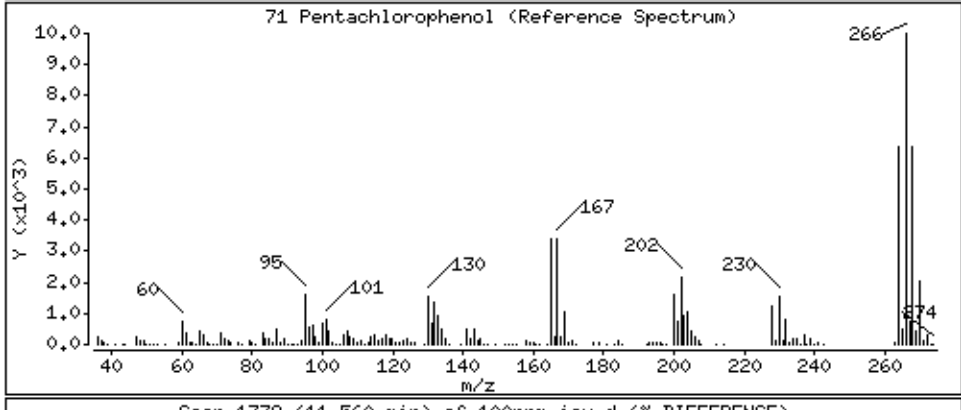
Column diameter: 0.25

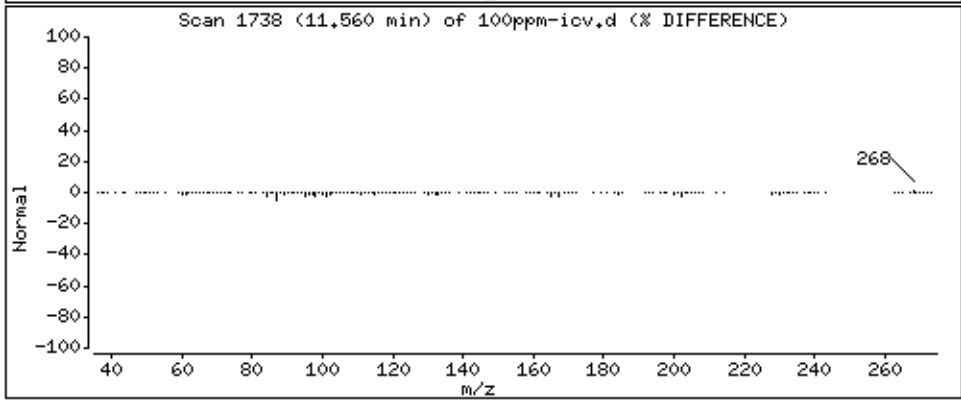
71 Pentachlorophenol

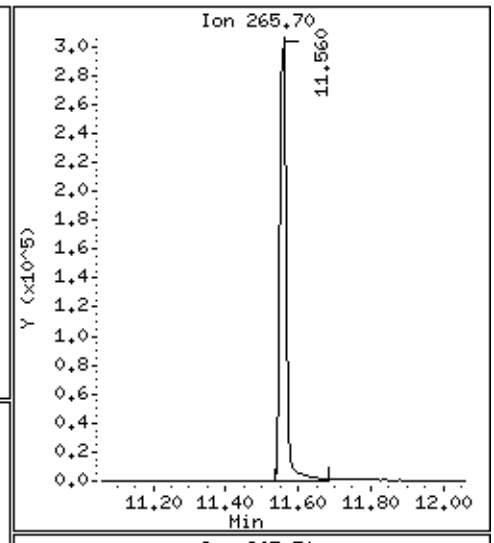
Concentration: 121.7 ug/L

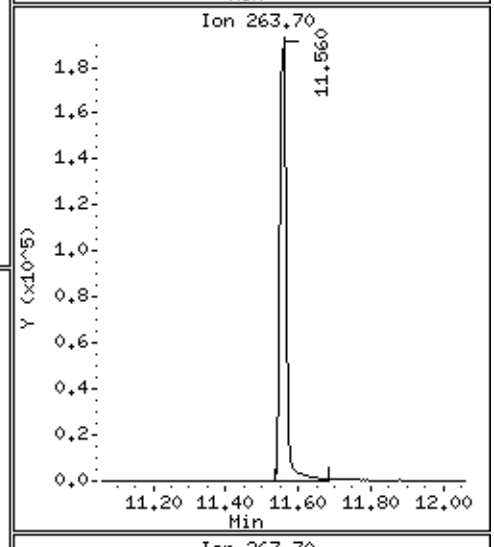


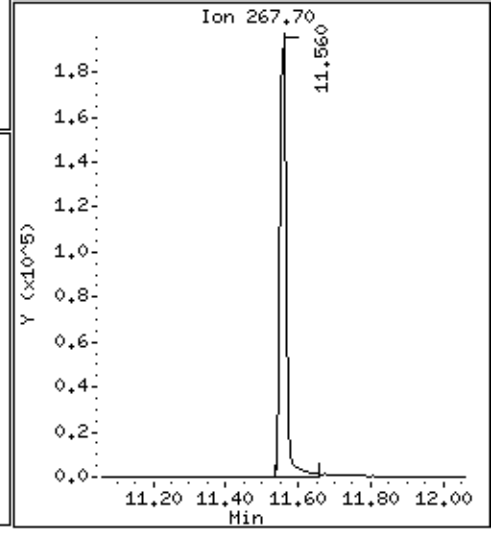












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

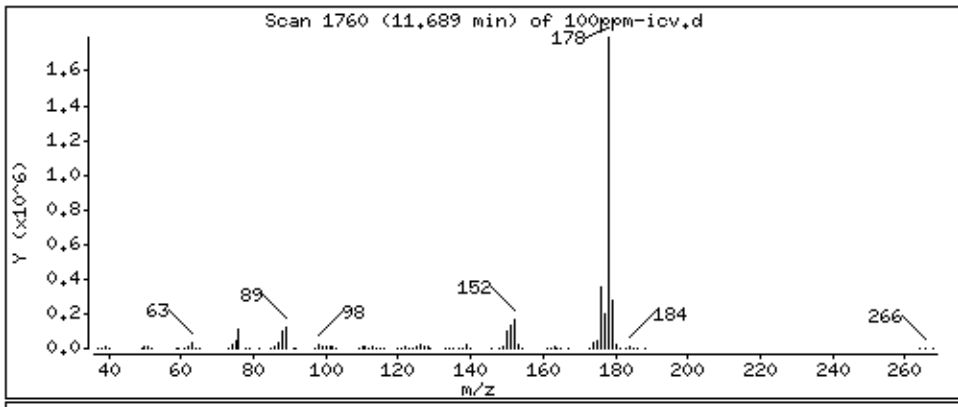
Operator: SN

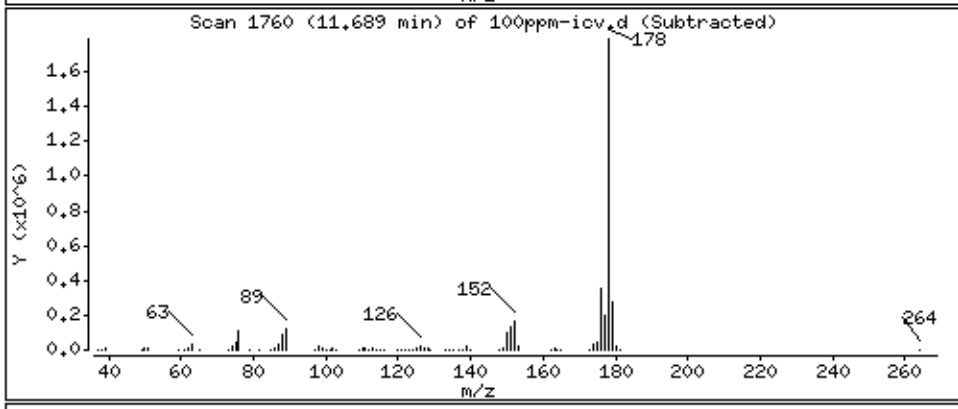
Column phase: .50um DB-5ms

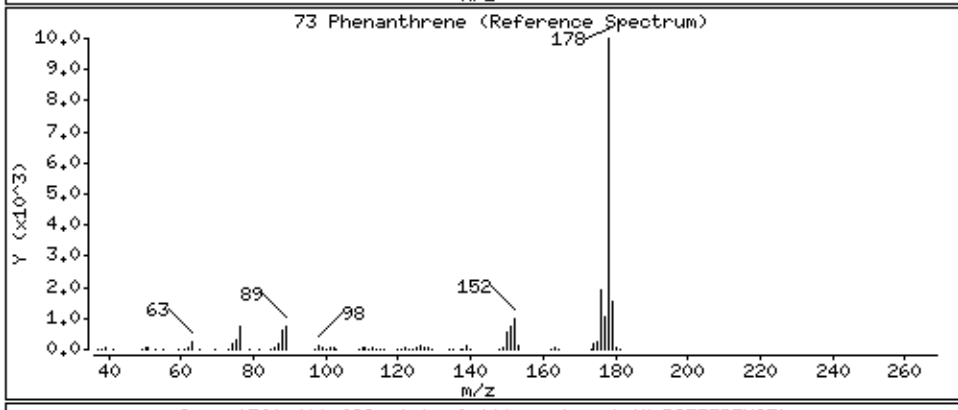
Column diameter: 0.25

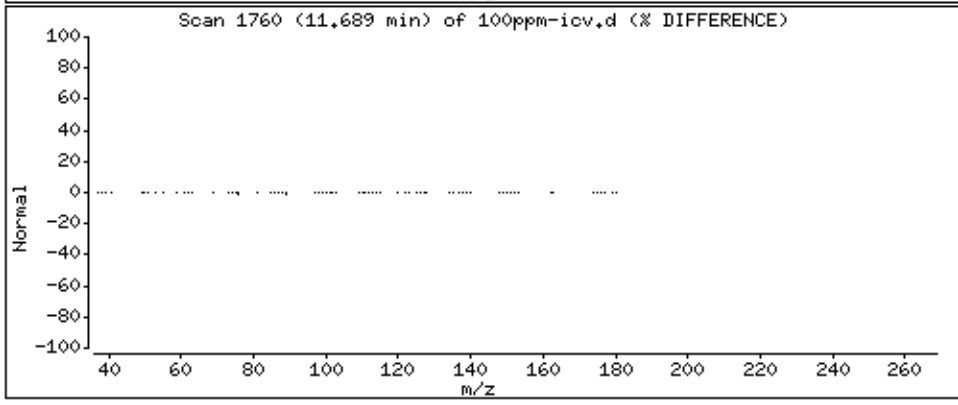
73 Phenanthrene

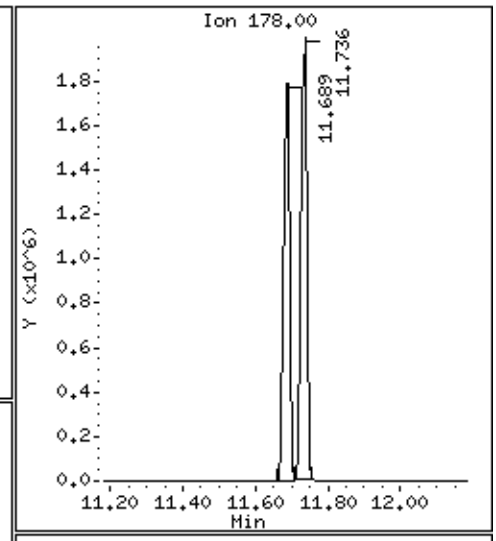
Concentration: 99.07 ug/L

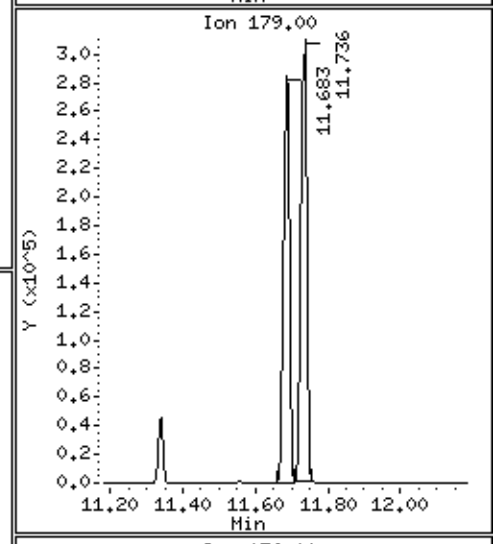


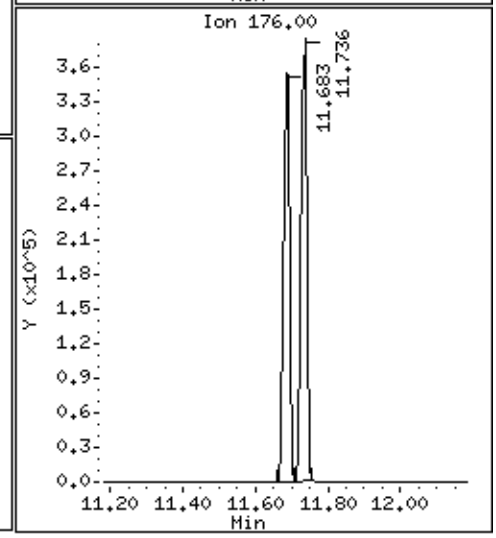












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

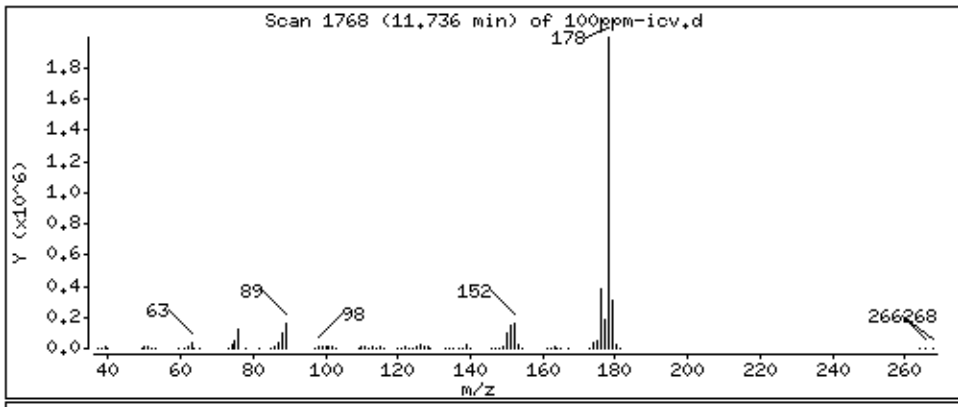
Operator: SN

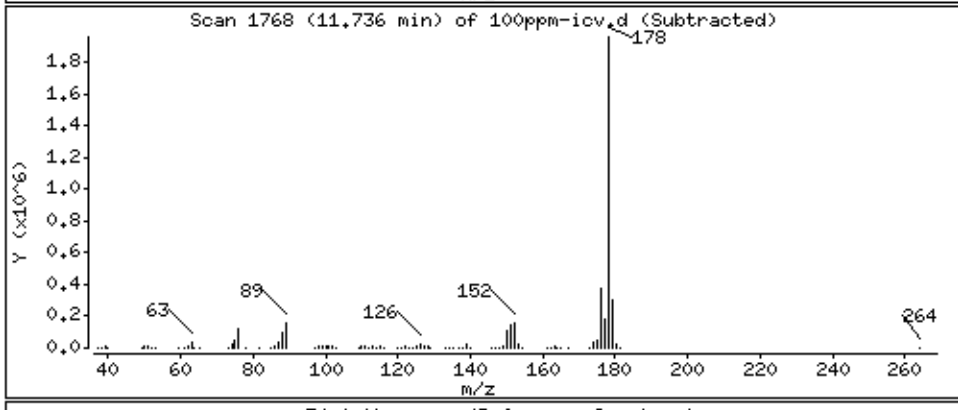
Column phase: .50um DB-5ms

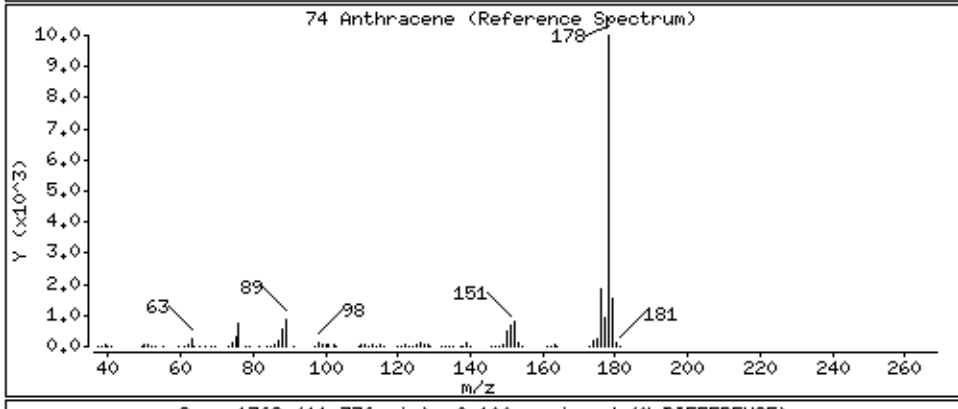
Column diameter: 0.25

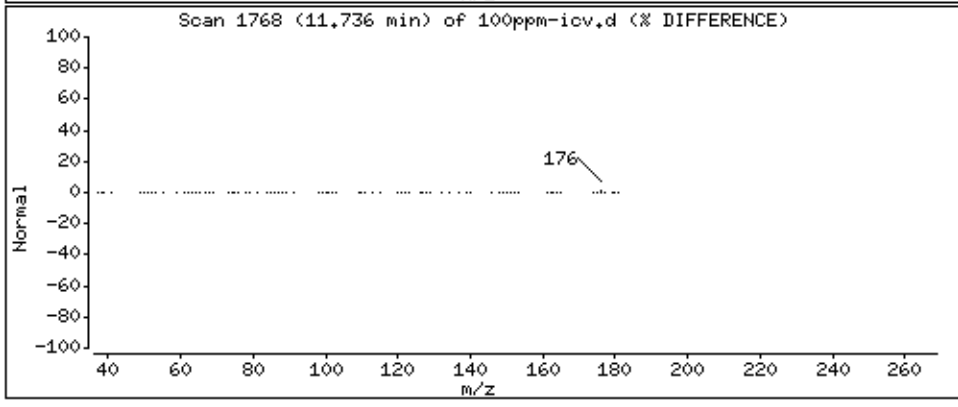
74 Anthracene

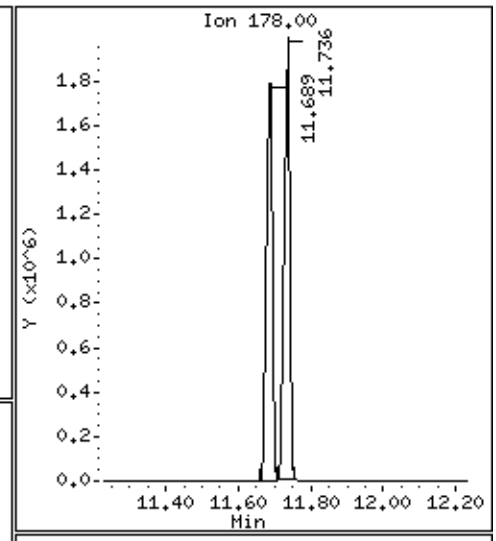
Concentration: 97.37 ug/L

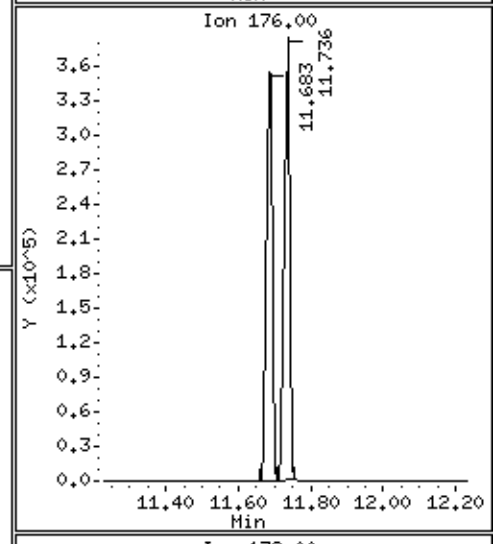


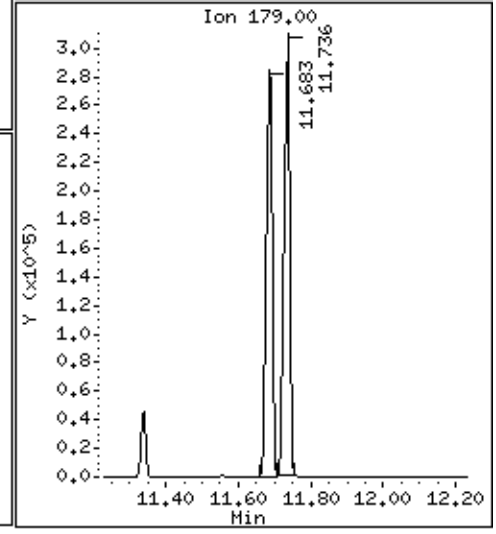












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

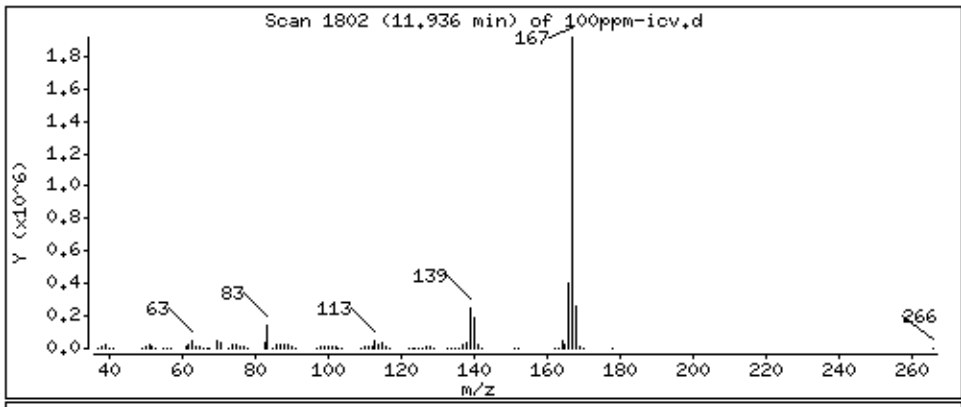
Operator: SN

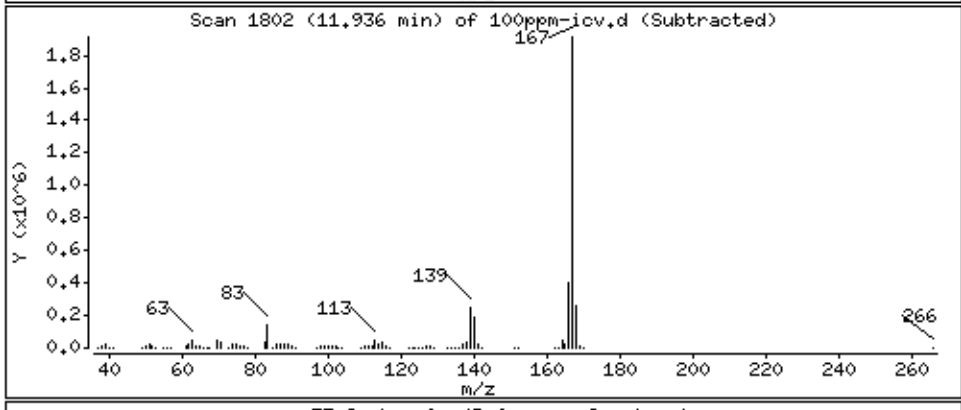
Column phase: .50um DB-5ms

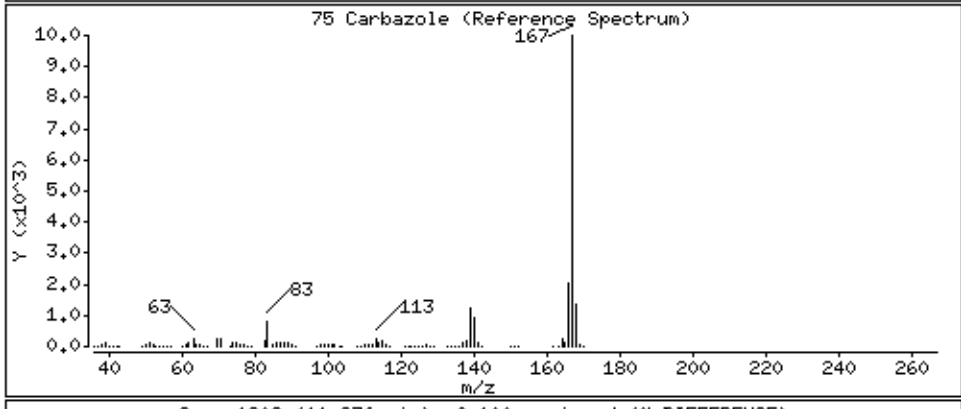
Column diameter: 0.25

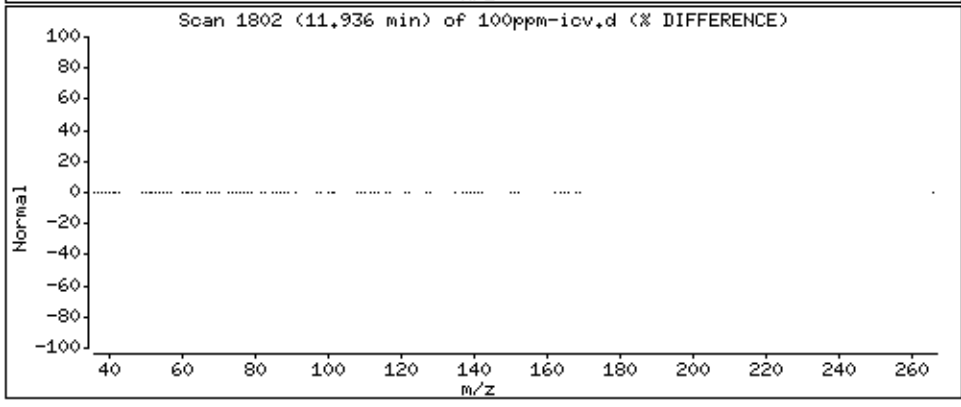
75 Carbazole

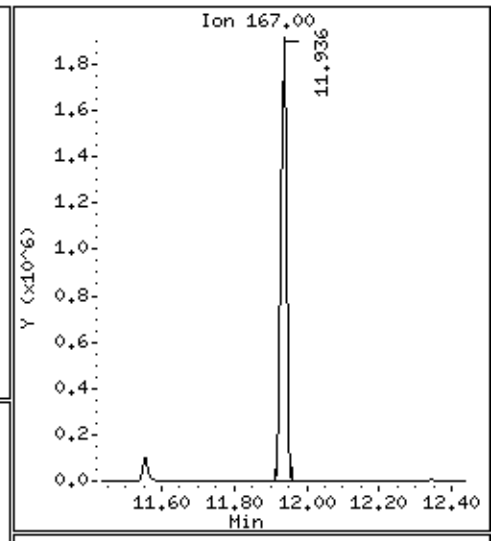
Concentration: 95.66 ug/L

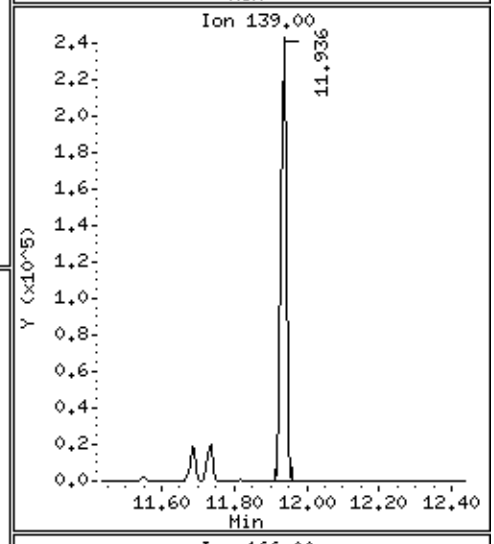


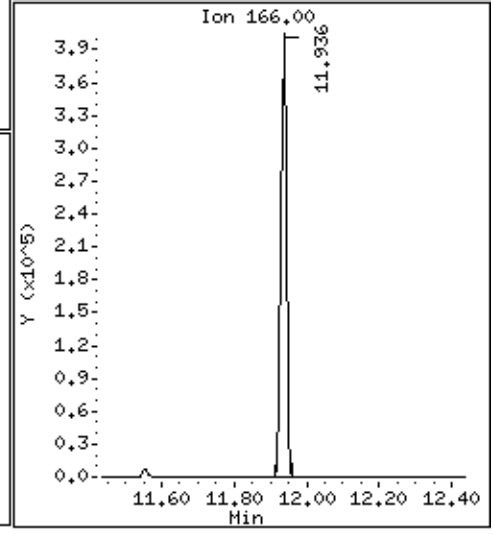












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

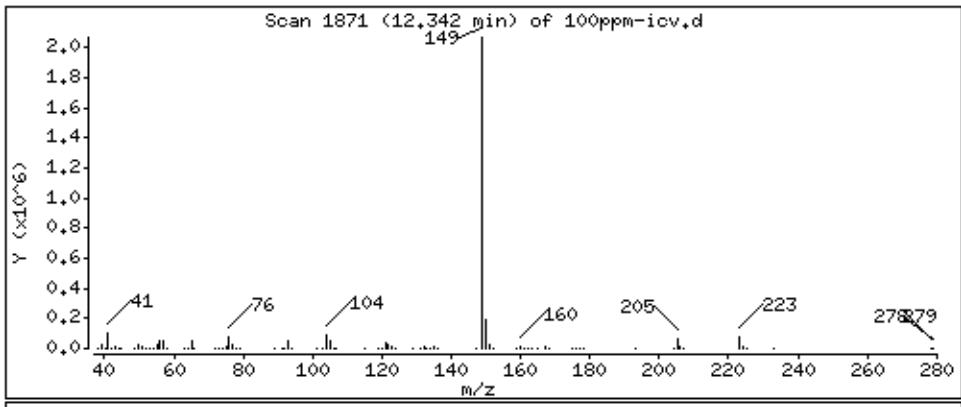
Operator: SN

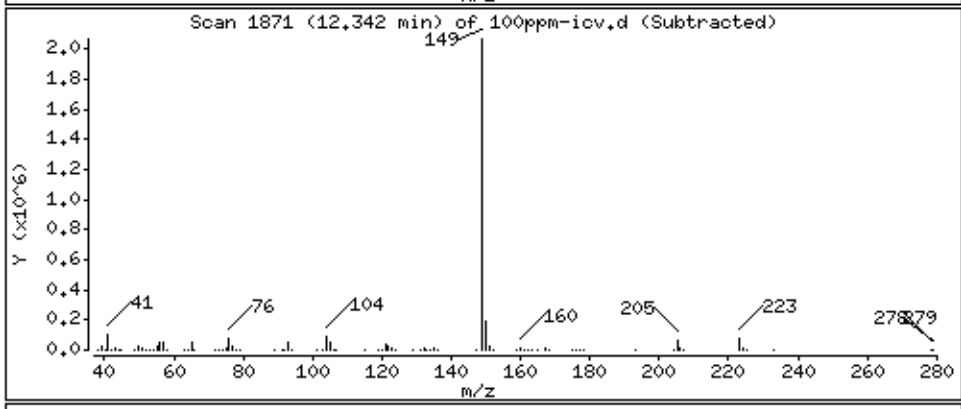
Column phase: .50um DB-5ms

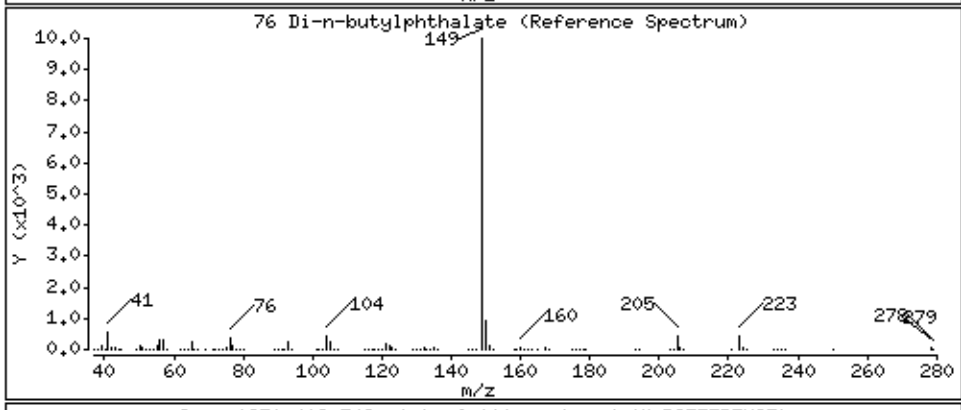
Column diameter: 0.25

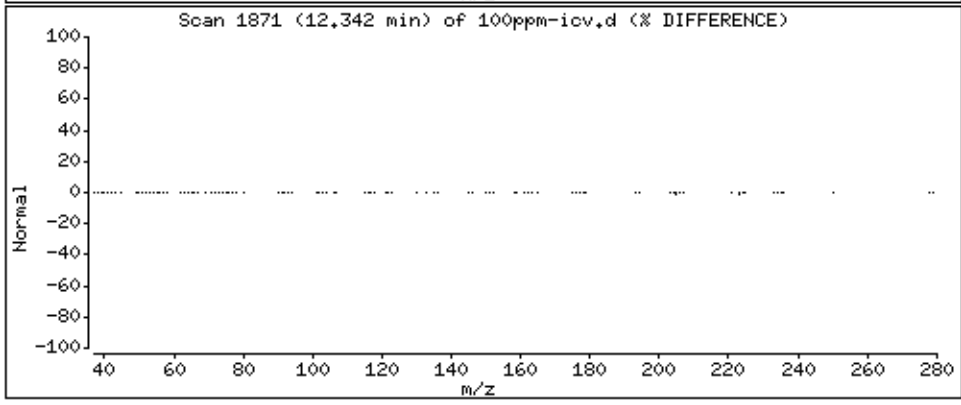
76 Di-n-butylphthalate

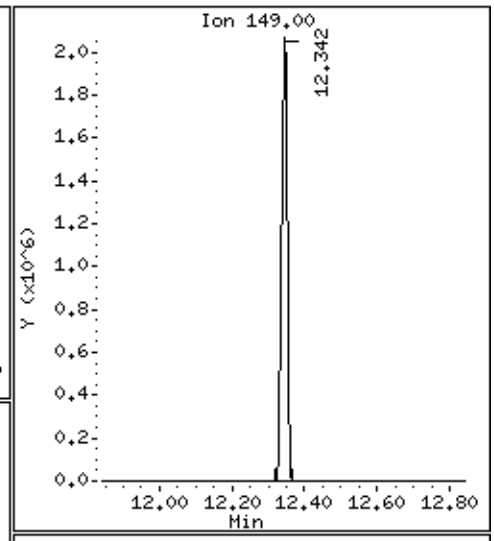
Concentration: 94.78 ug/L

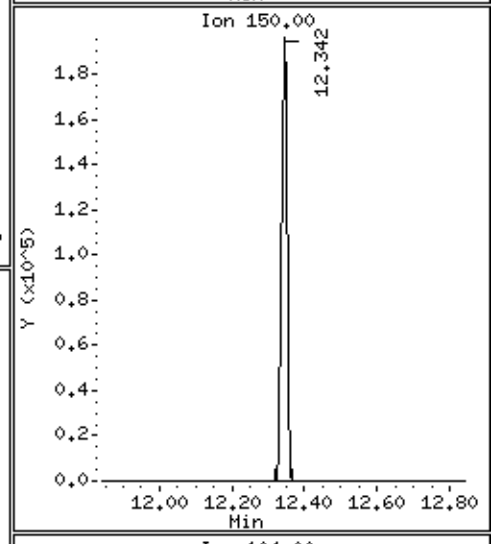


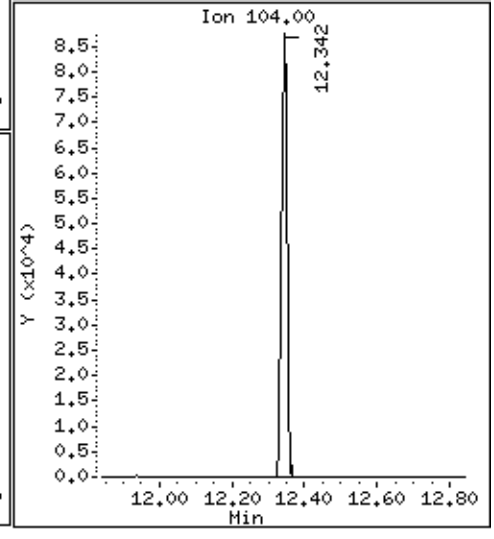












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

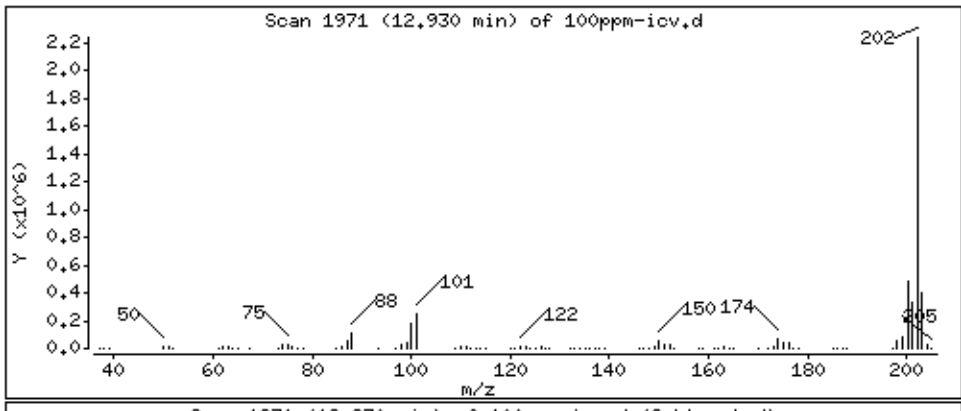
Operator: SN

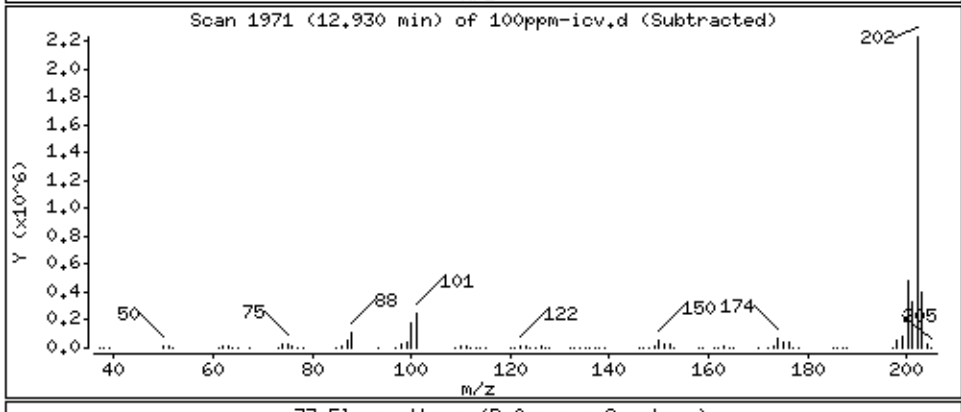
Column phase: .50um DB-5ms

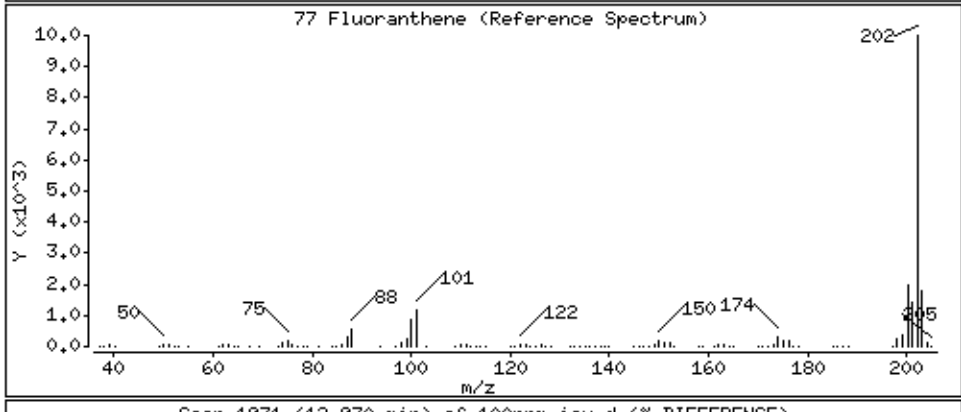
Column diameter: 0.25

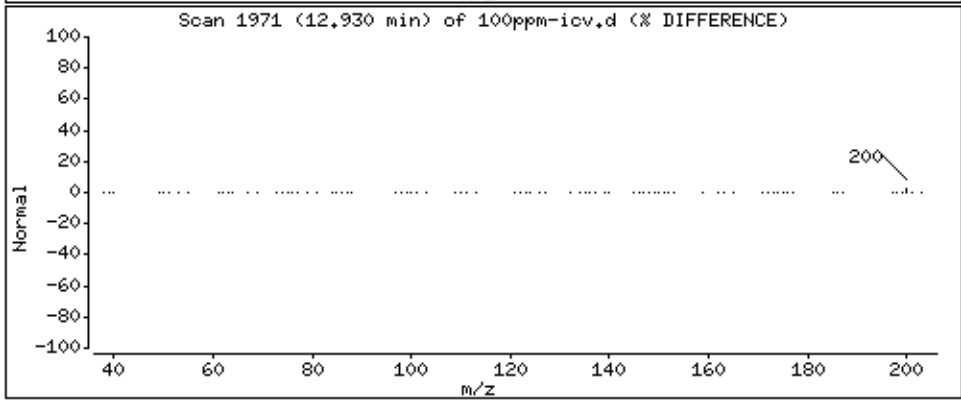
77 Fluoranthene

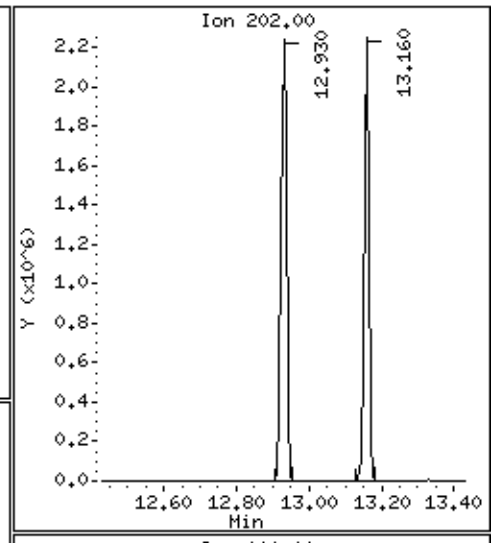
Concentration: 98.80 ug/L

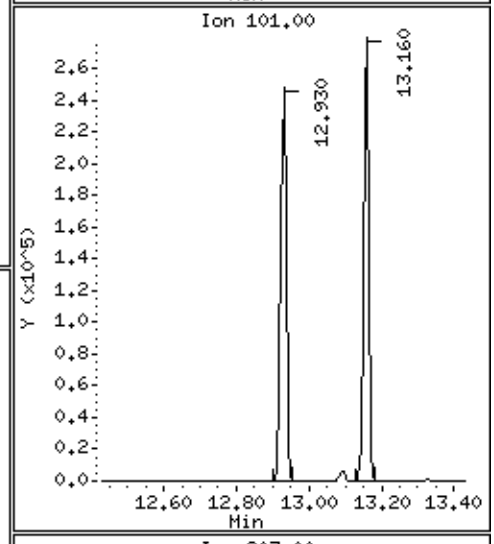


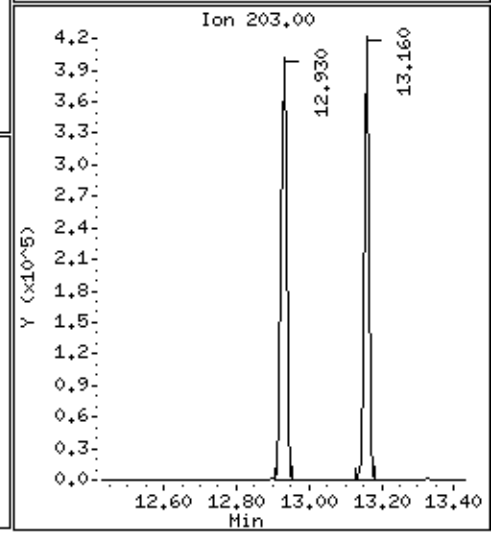












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

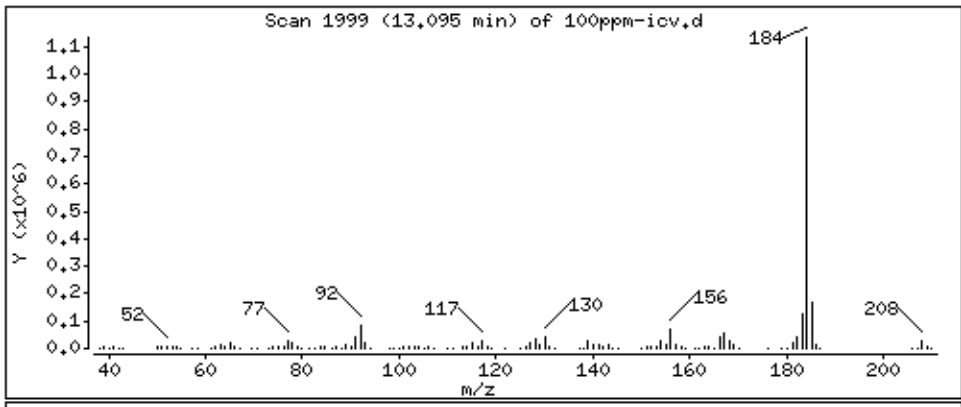
Operator: SN

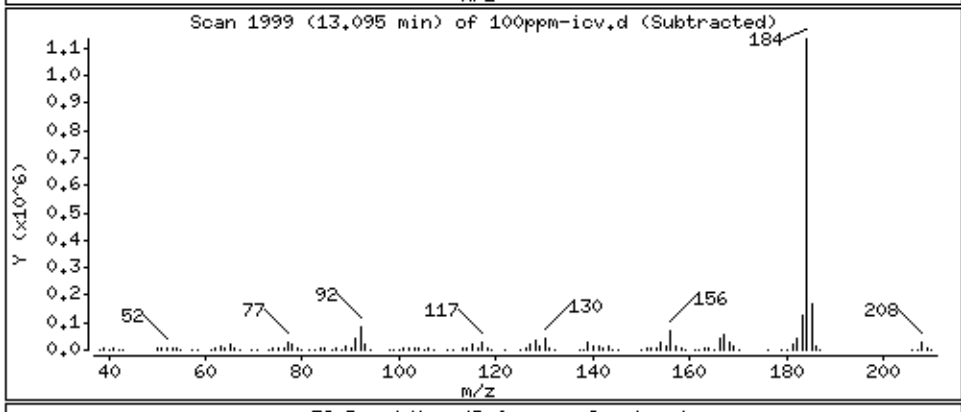
Column phase: .50um DB-5ms

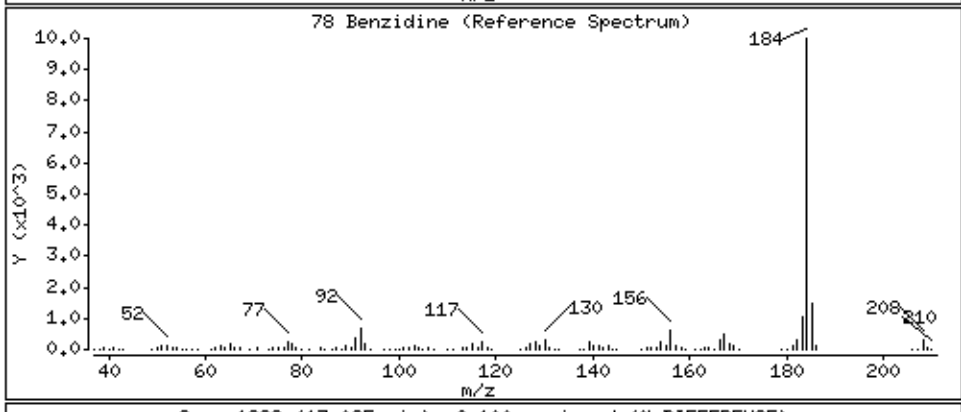
Column diameter: 0.25

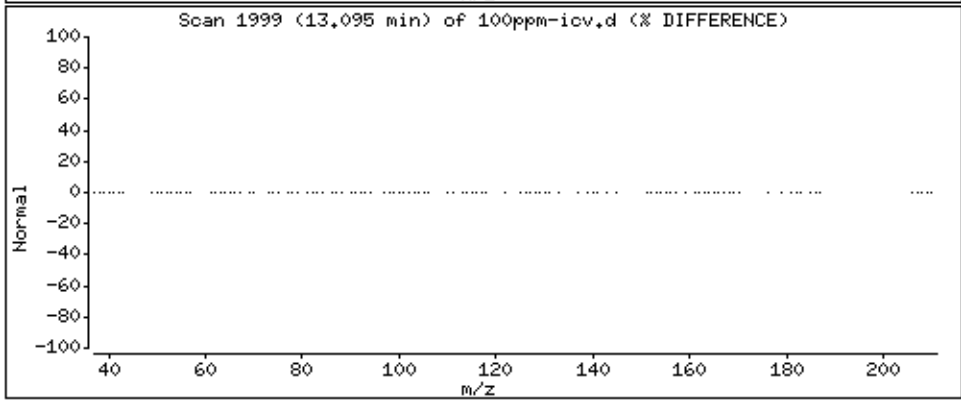
78 Benzidine

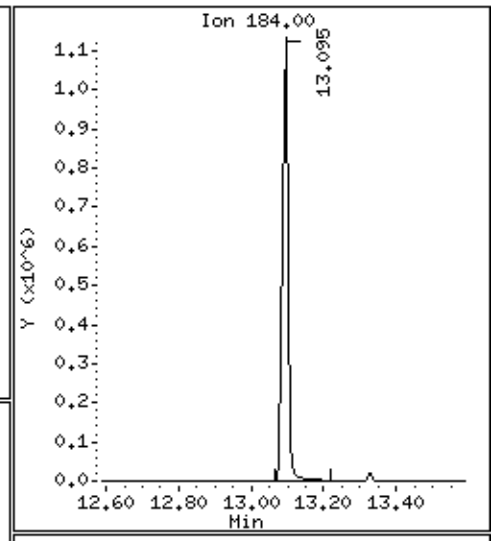
Concentration: 216.7 ug/L

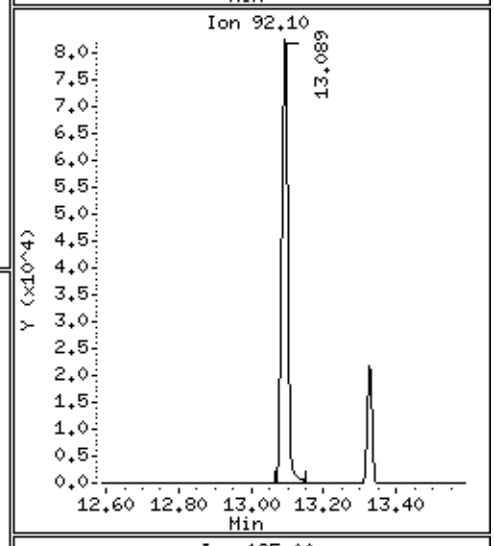


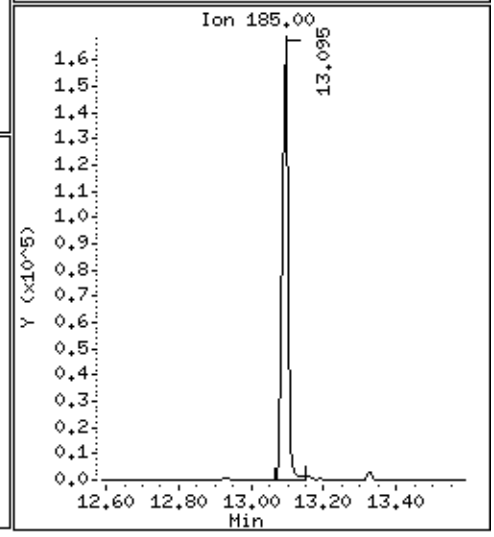












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

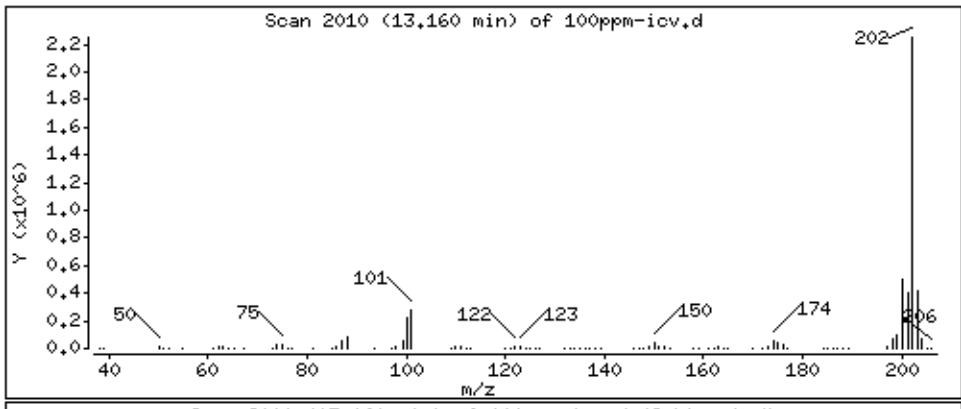
Operator: SN

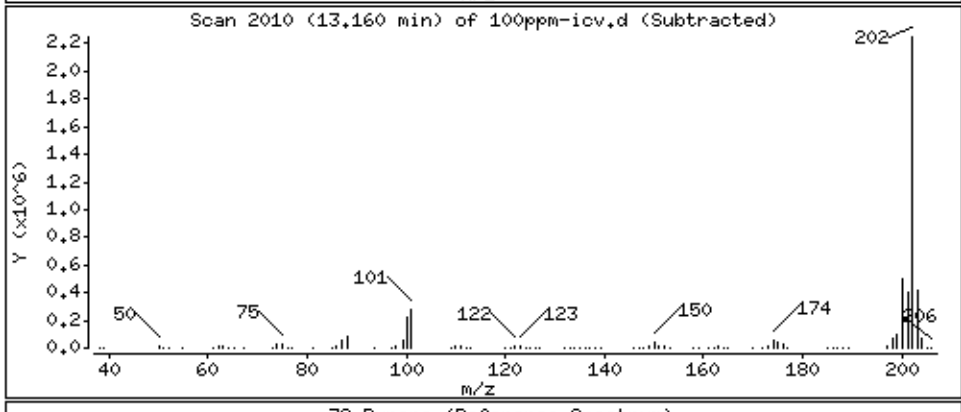
Column phase: .50um DB-5ms

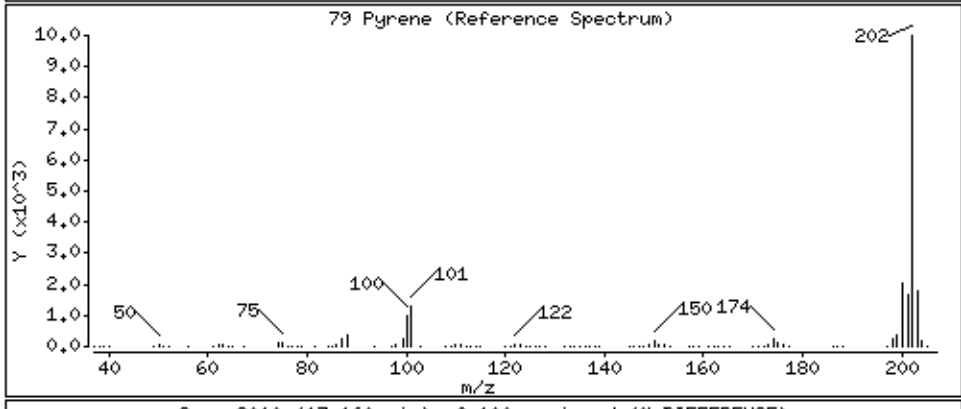
Column diameter: 0.25

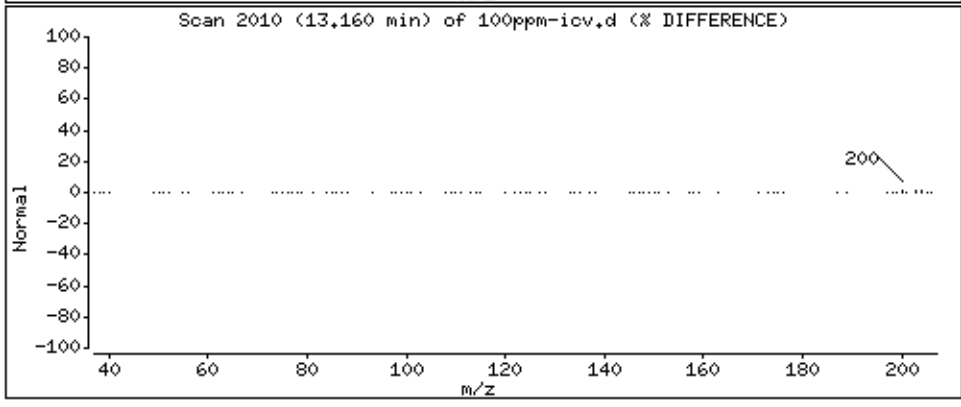
79 Pyrene

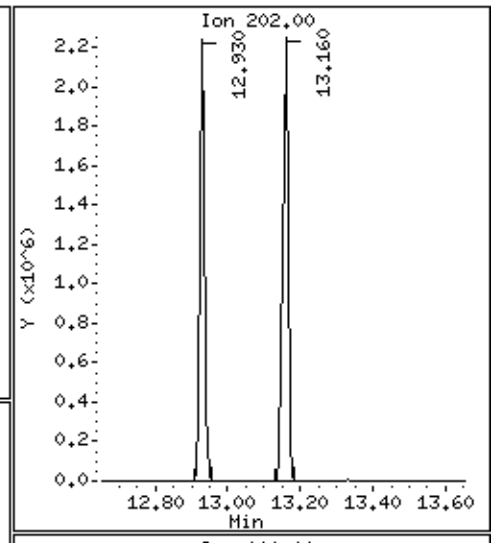
Concentration: 97.66 ug/L

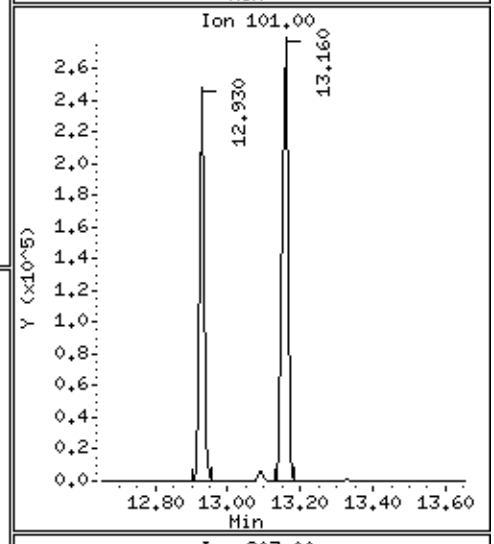


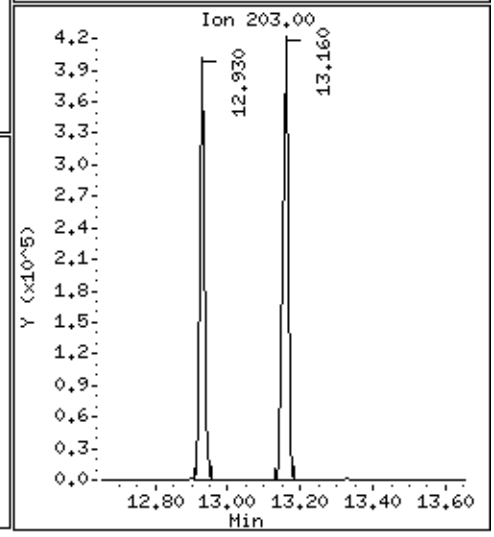












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

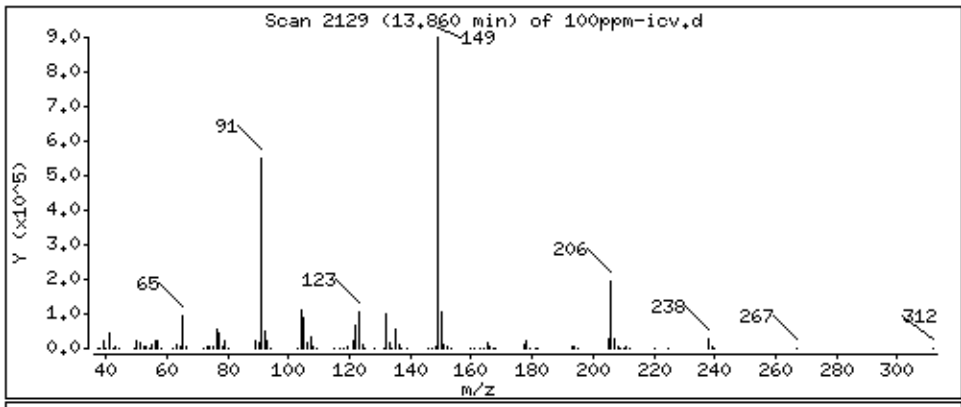
Operator: SN

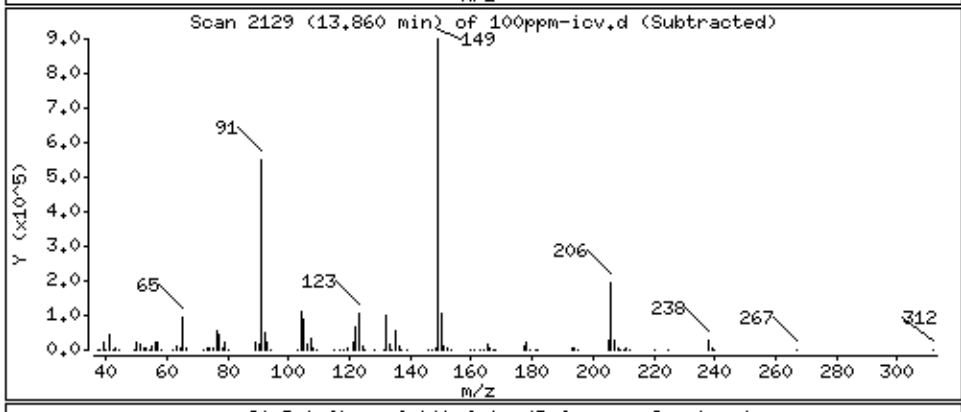
Column phase: .50um DB-5ms

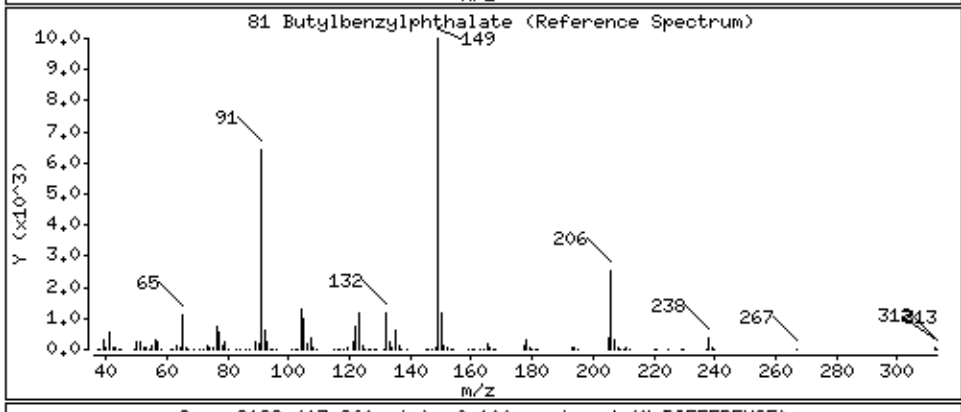
Column diameter: 0.25

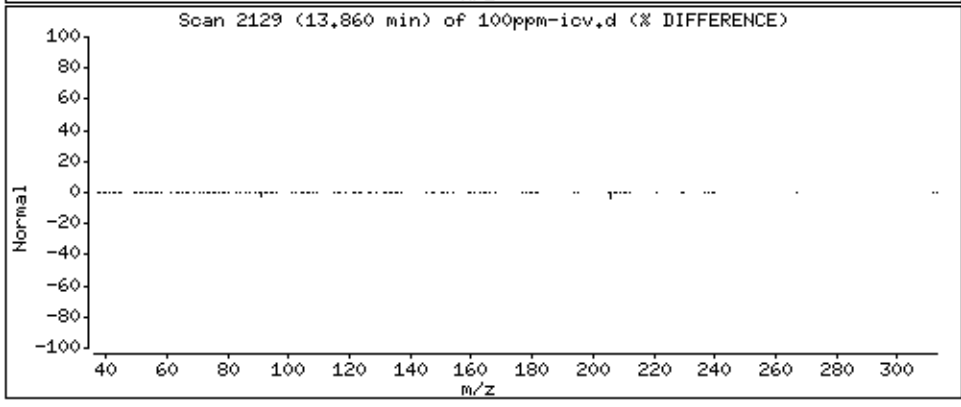
81 Butylbenzylphthalate

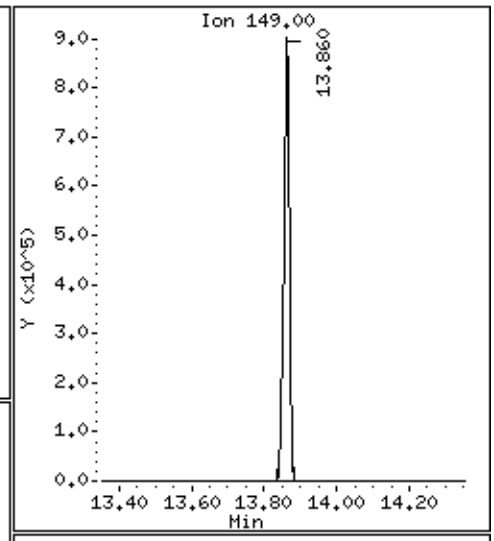
Concentration: 100.5 ug/L

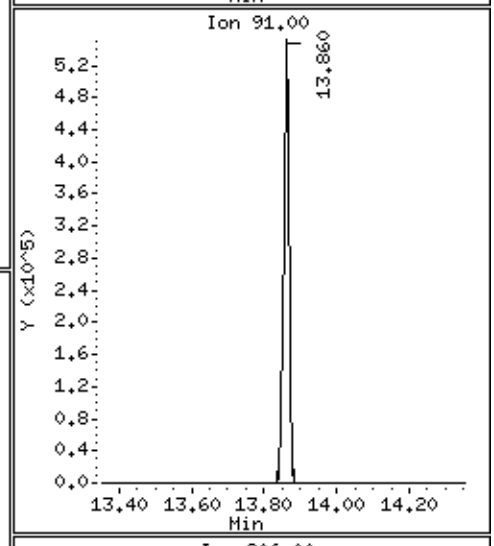


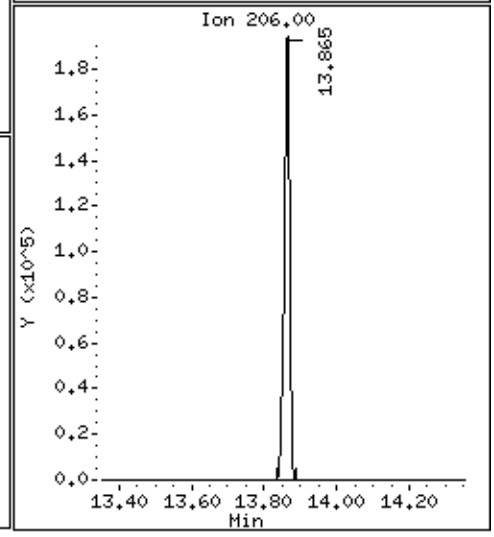












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

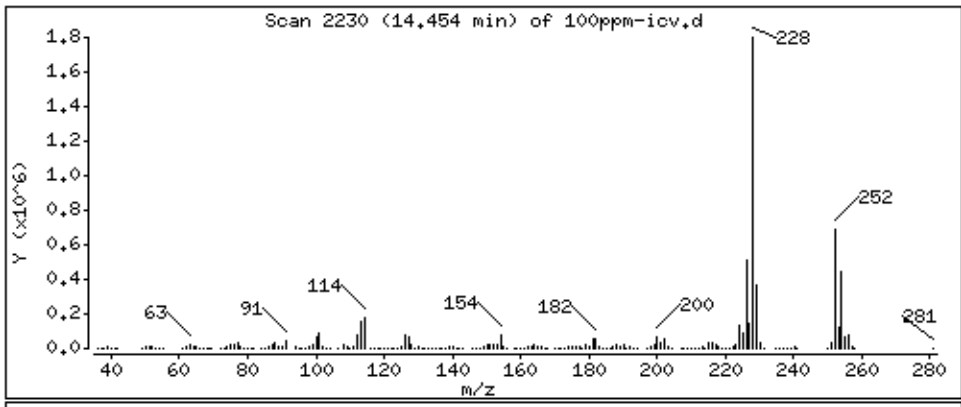
Operator: SN

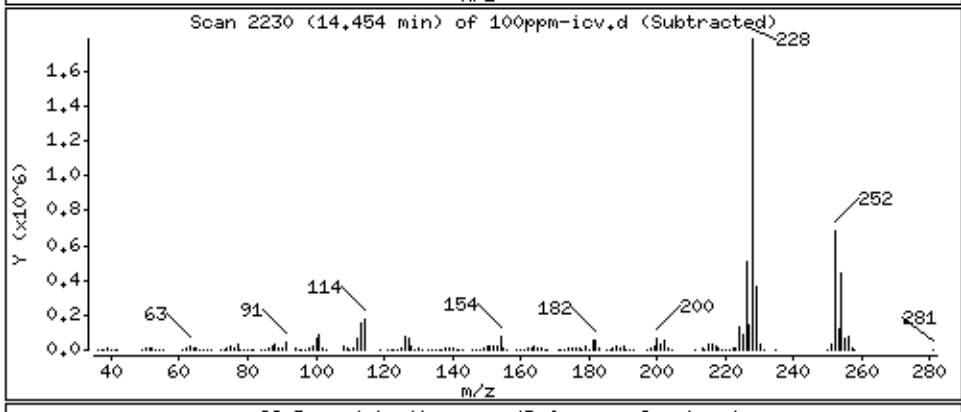
Column phase: .50um DB-5ms

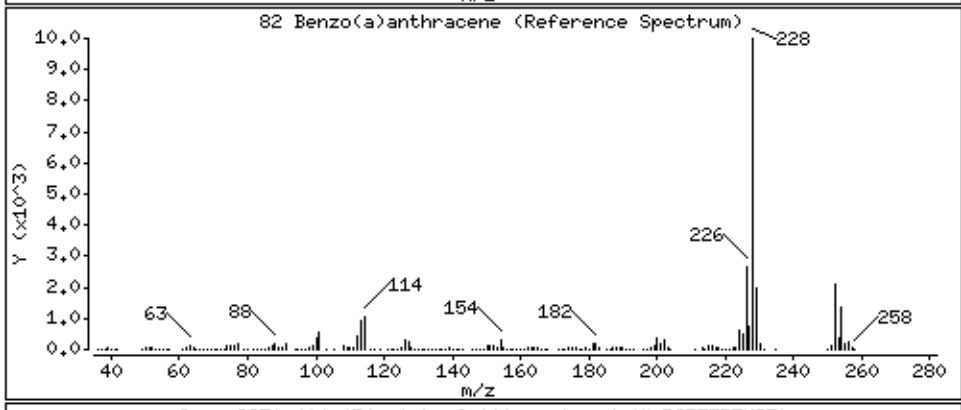
Column diameter: 0.25

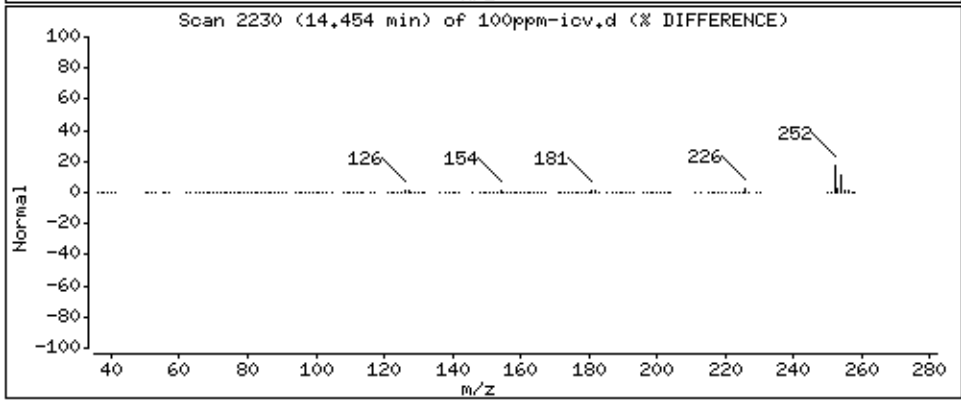
82 Benzo(a)anthracene

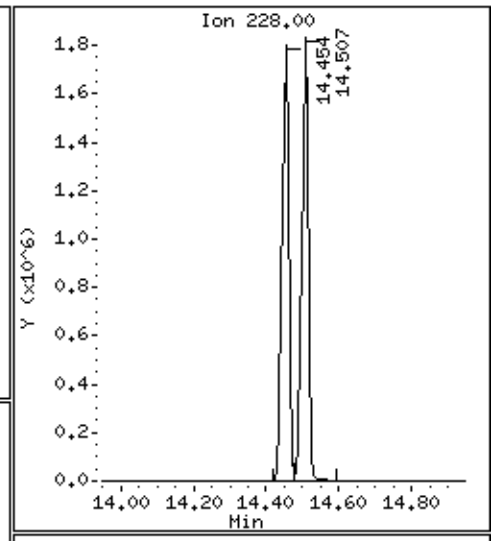
Concentration: 97.98 ug/L

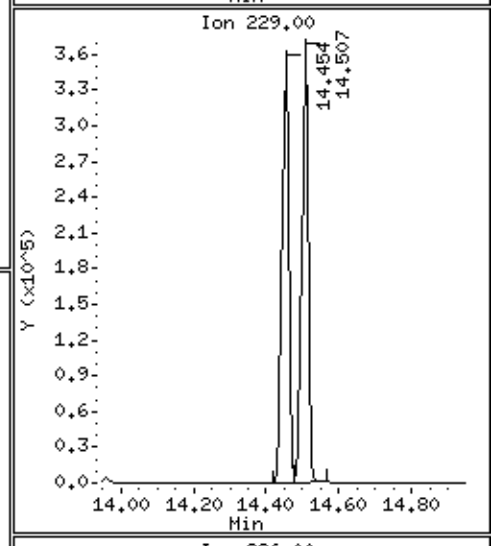


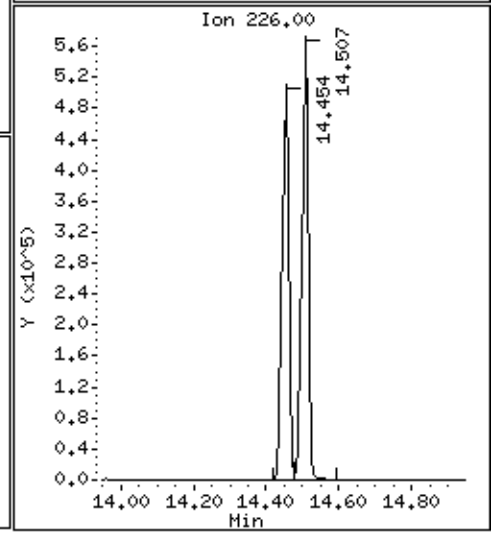












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

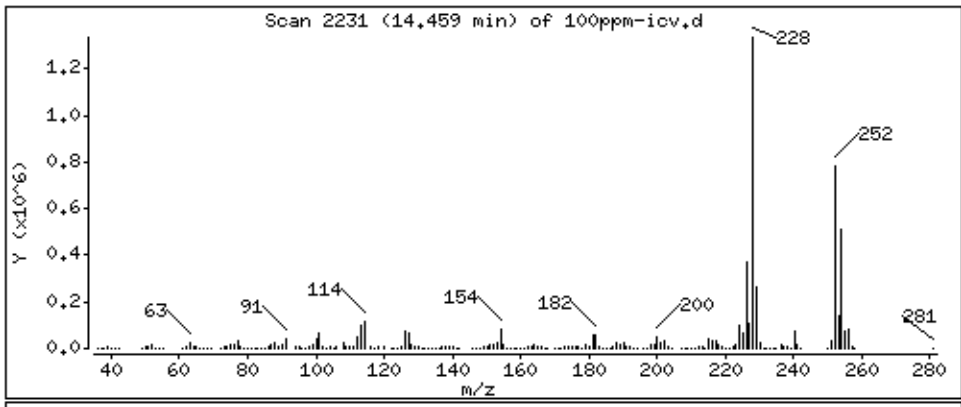
Operator: SN

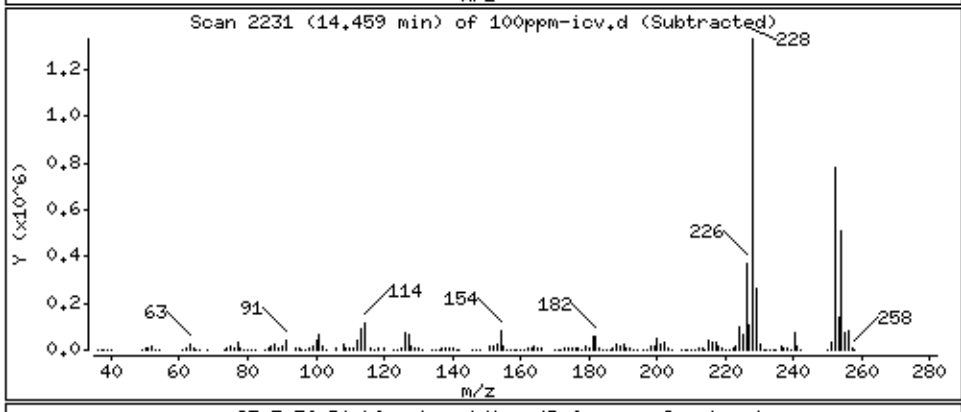
Column phase: .50um DB-5ms

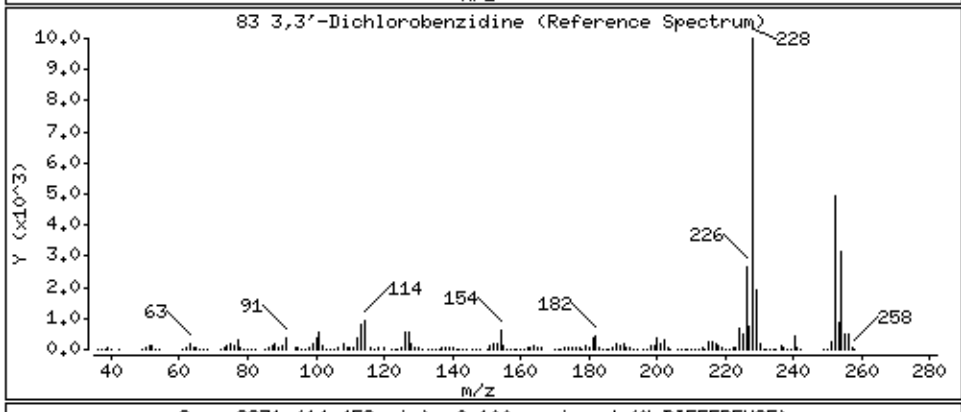
Column diameter: 0.25

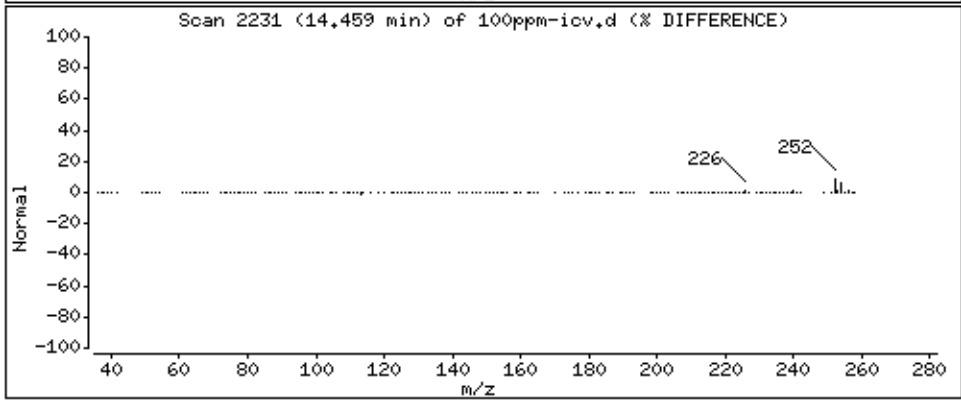
83 3,3'-Dichlorobenzidine

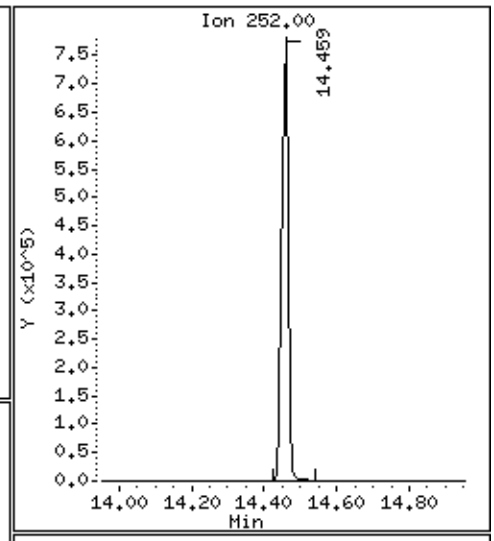
Concentration: 117.7 ug/L

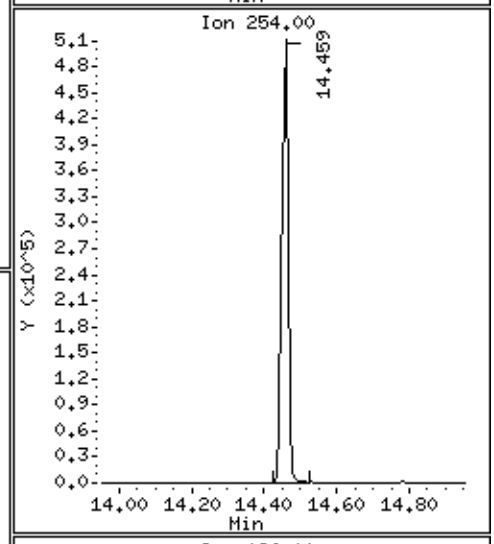


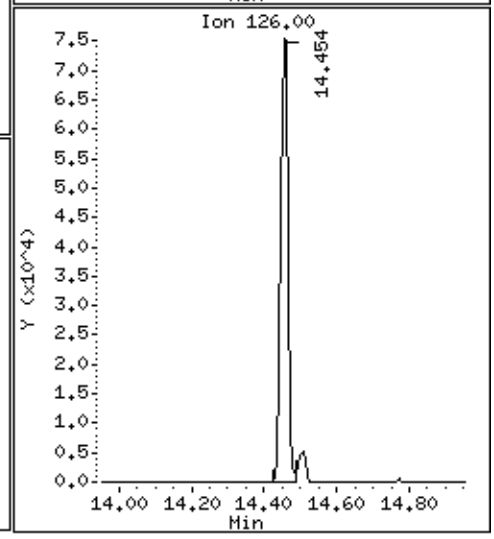












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

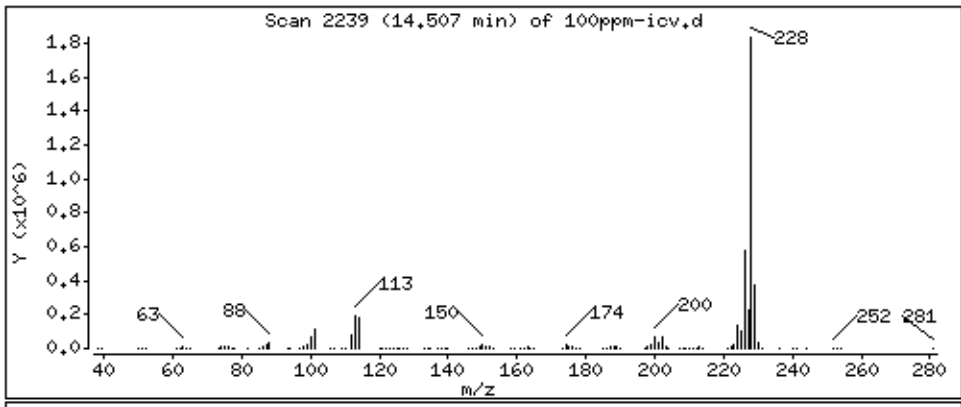
Operator: SN

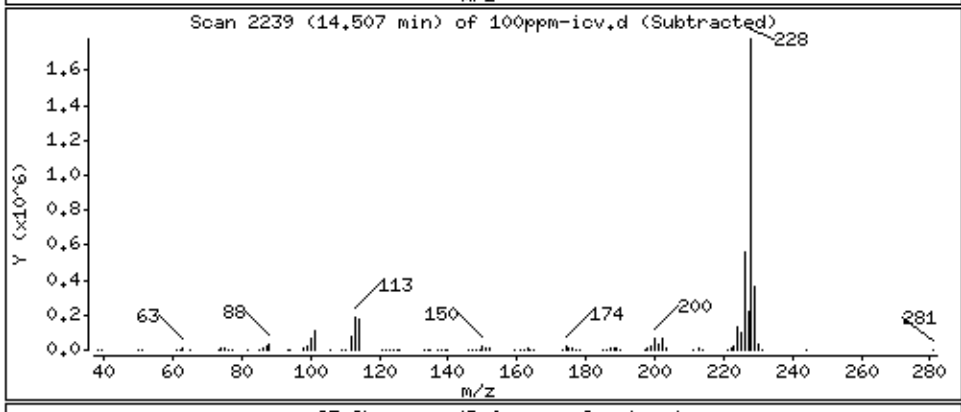
Column phase: .50um DB-5ms

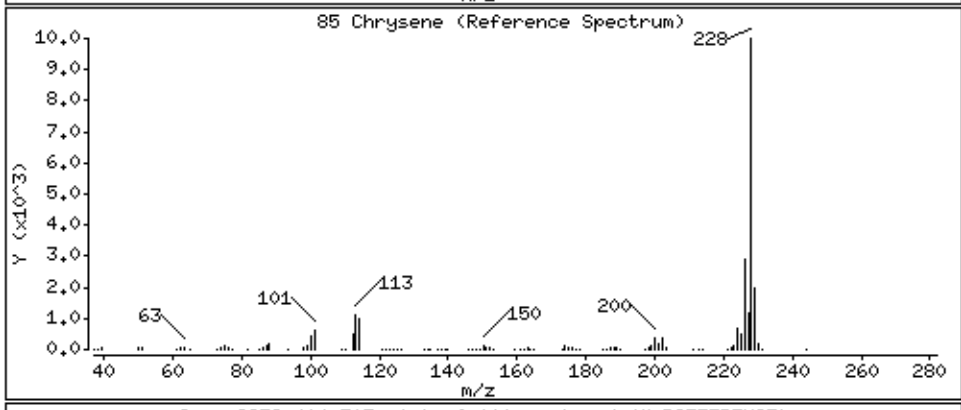
Column diameter: 0.25

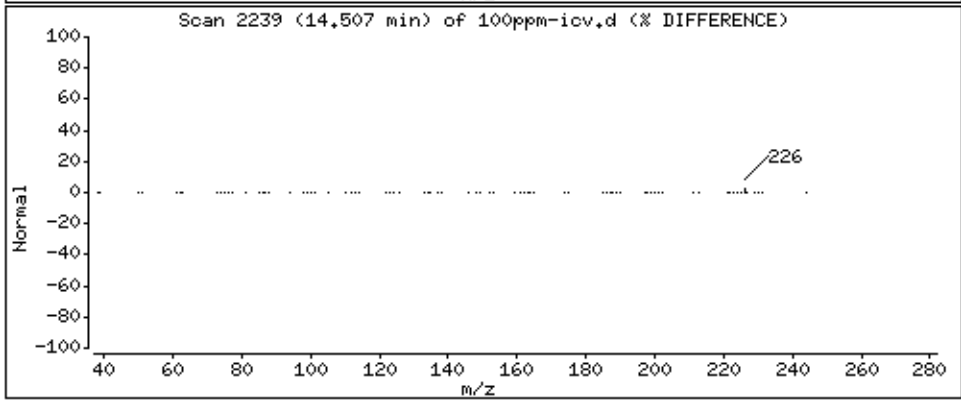
85 Chrysene

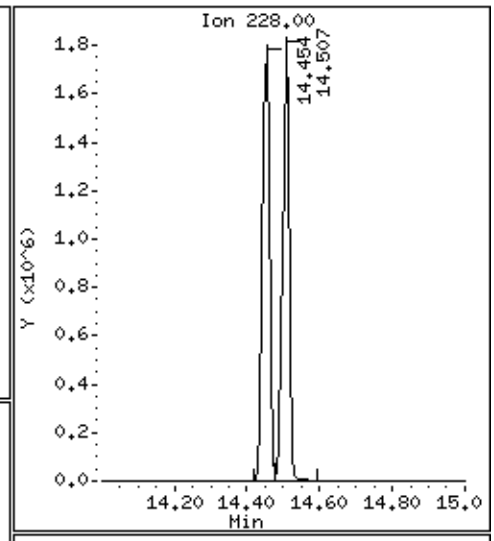
Concentration: 101.0 ug/L

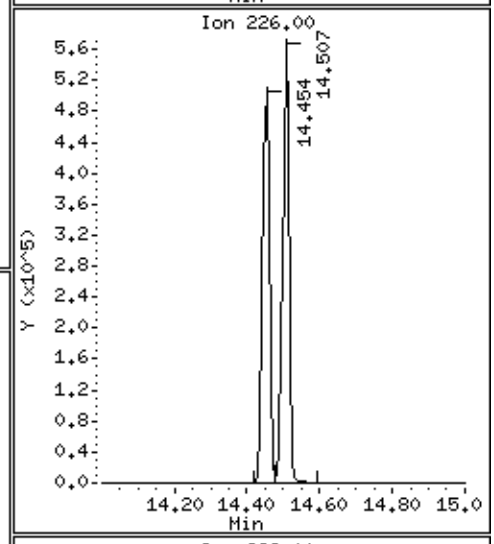


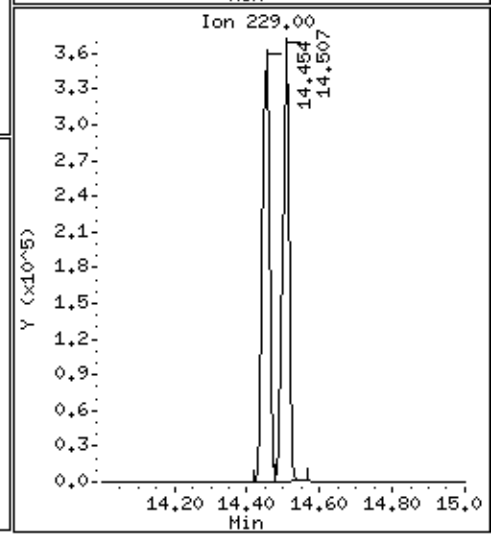












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

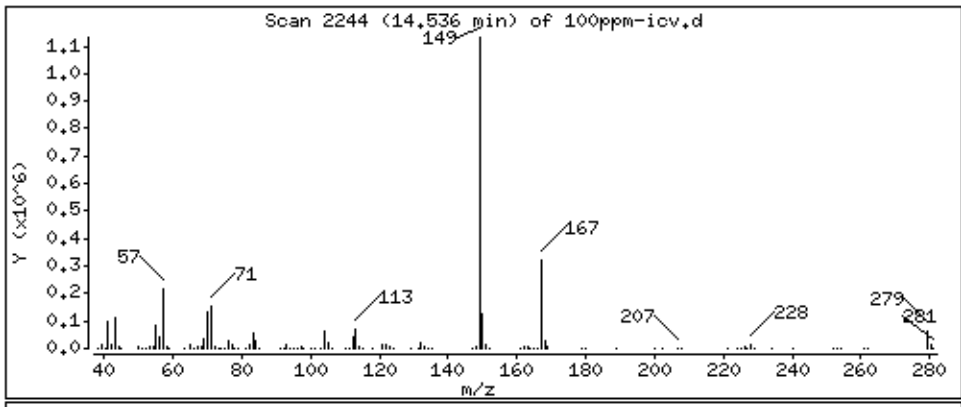
Operator: SN

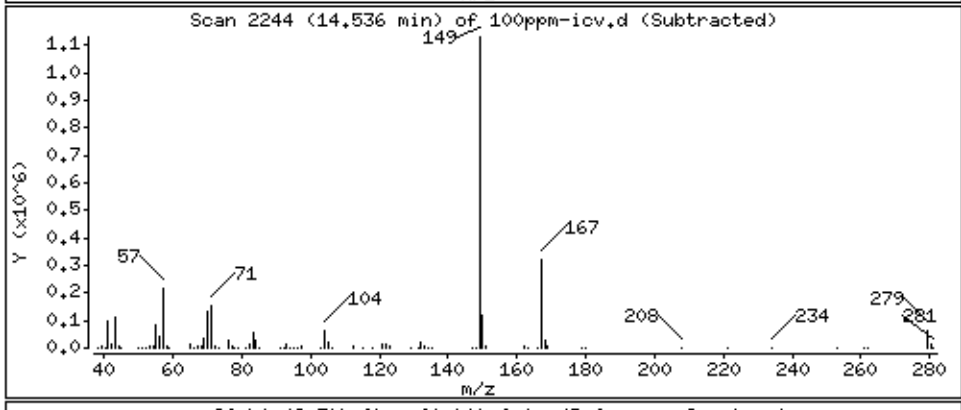
Column phase: .50um DB-5ms

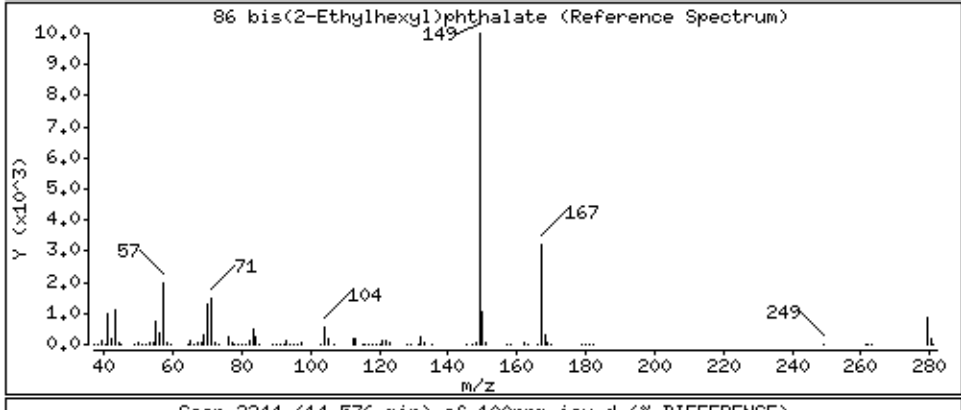
Column diameter: 0.25

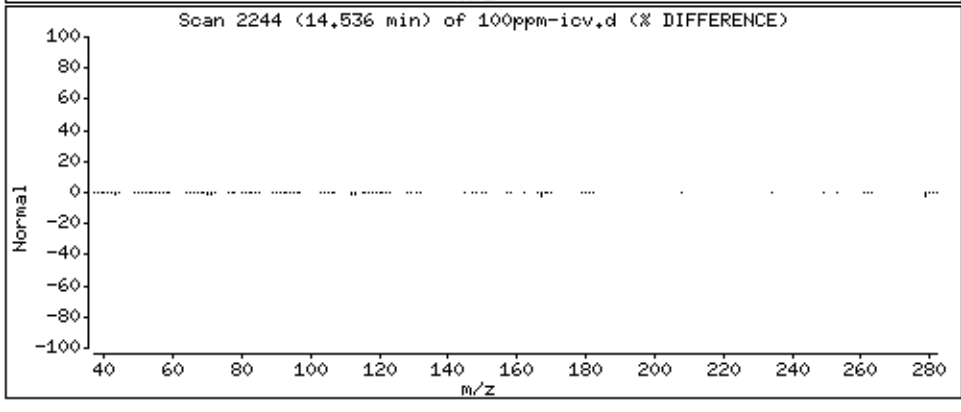
86 bis(2-Ethylhexyl)phthalate

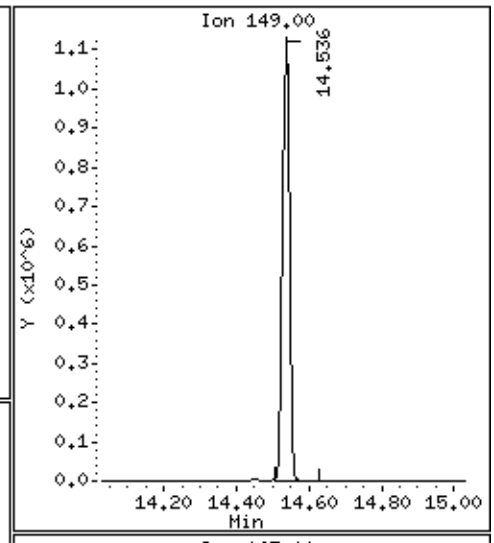
Concentration: 101.9 ug/L

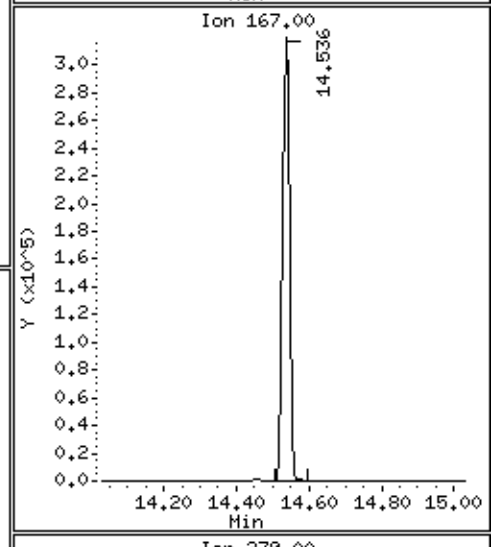


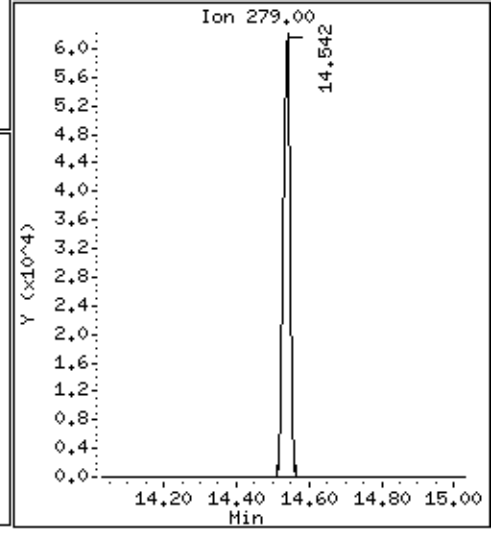












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

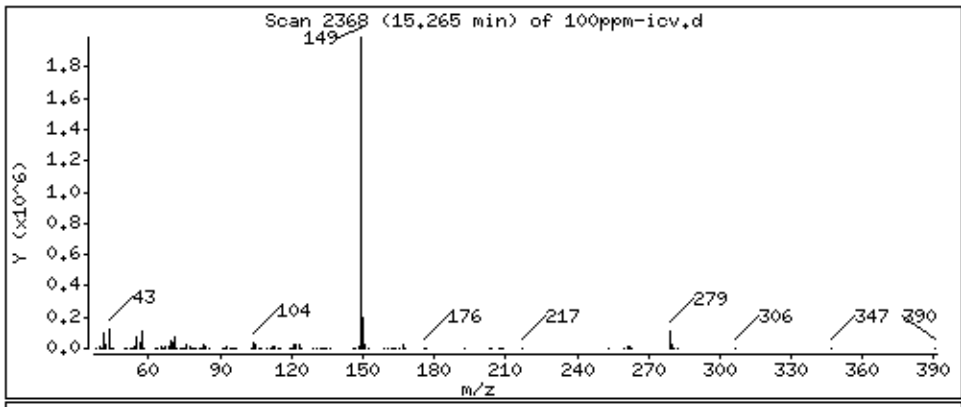
Operator: SN

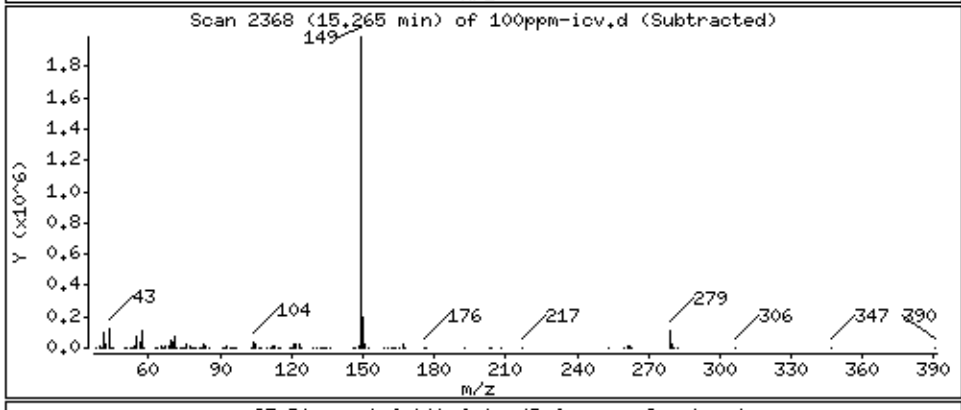
Column phase: .50um DB-5ms

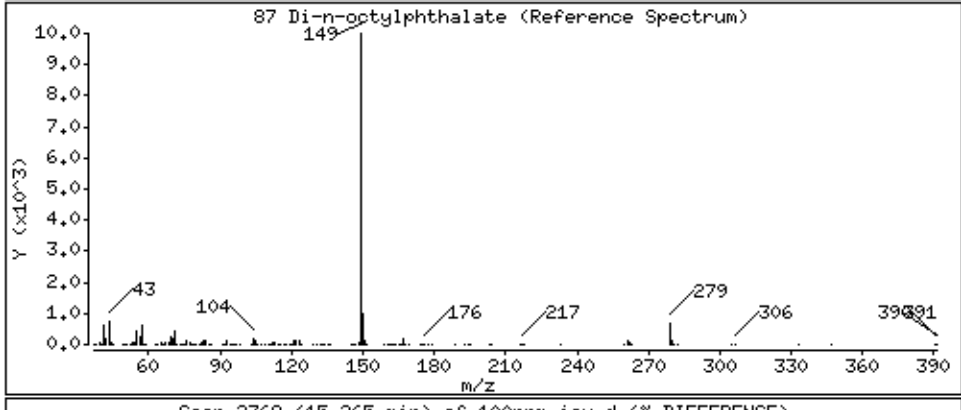
Column diameter: 0.25

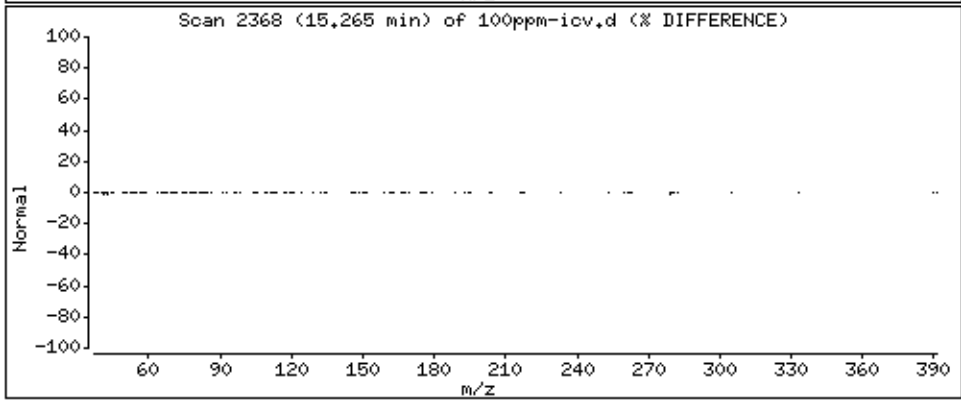
87 Di-n-octylphthalate

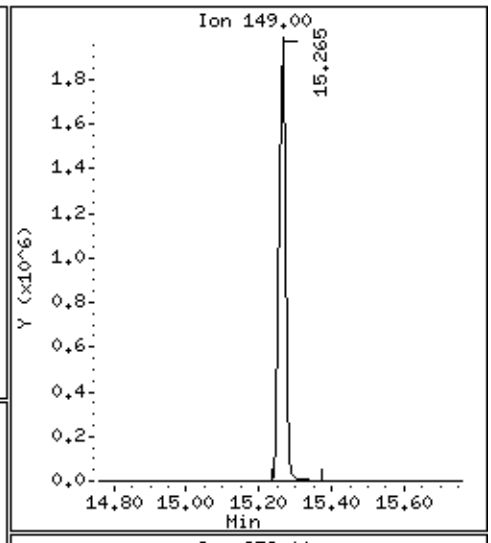
Concentration: 100.7 ug/L

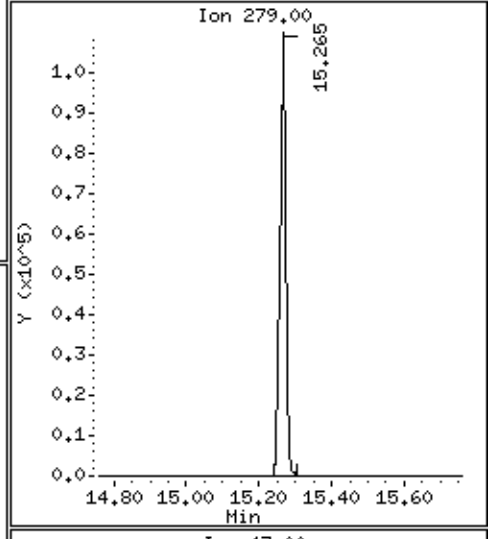


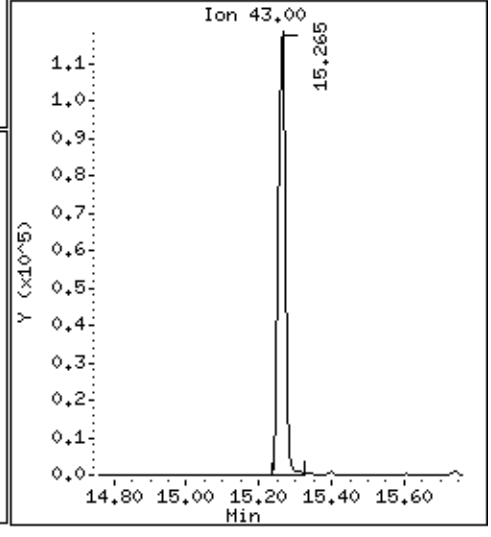












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

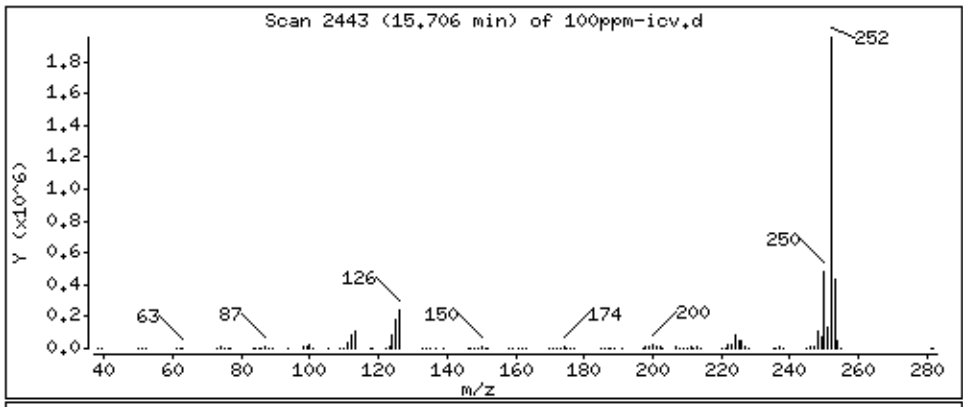
Operator: SN

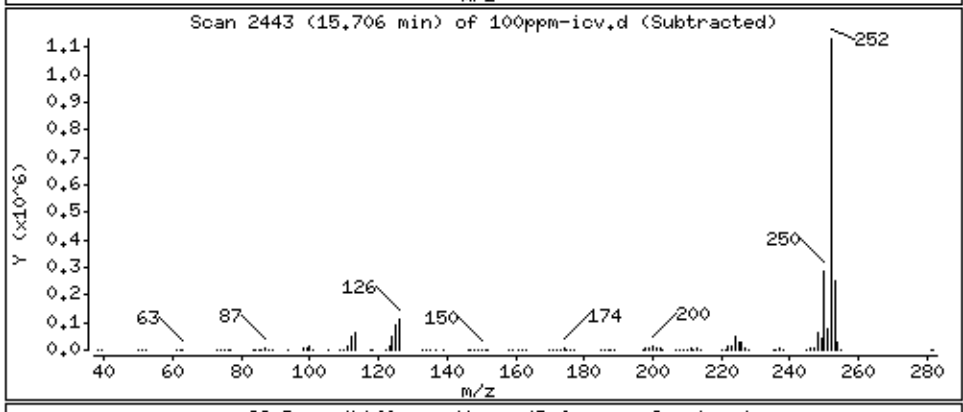
Column phase: .50um DB-5ms

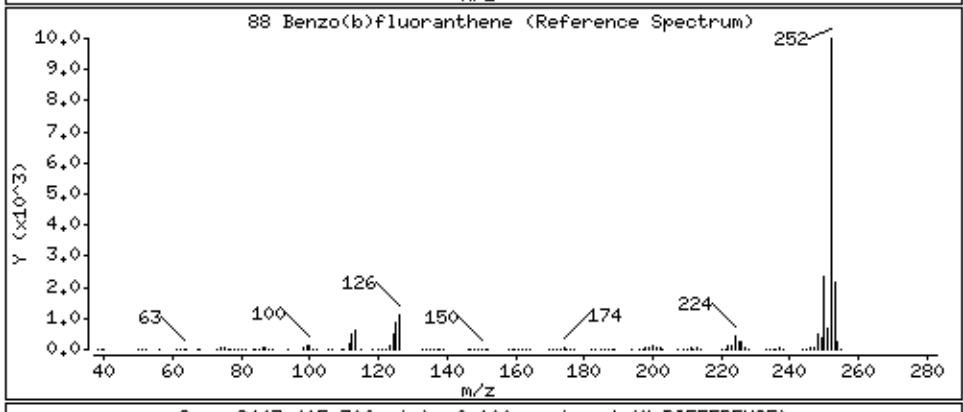
Column diameter: 0.25

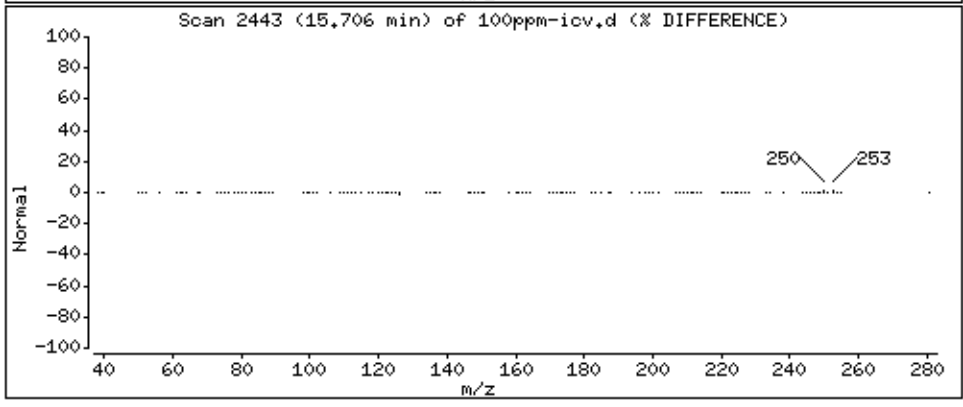
88 Benzo(b)fluoranthene

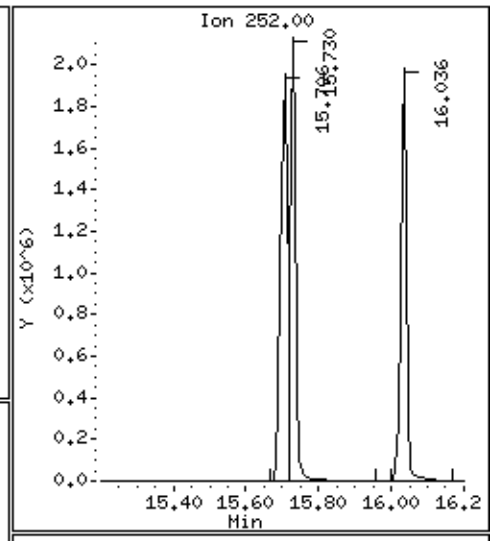
Concentration: 100.4 ug/L

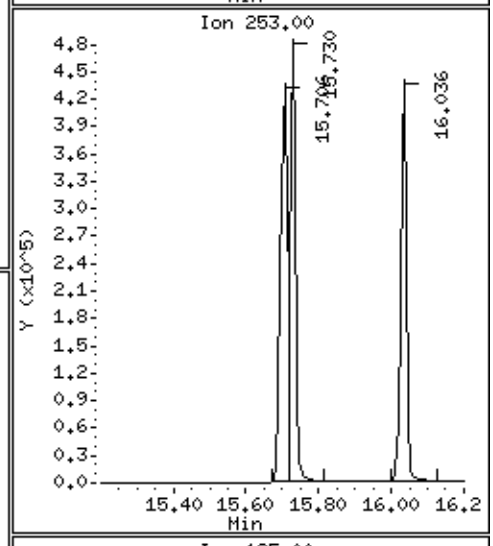


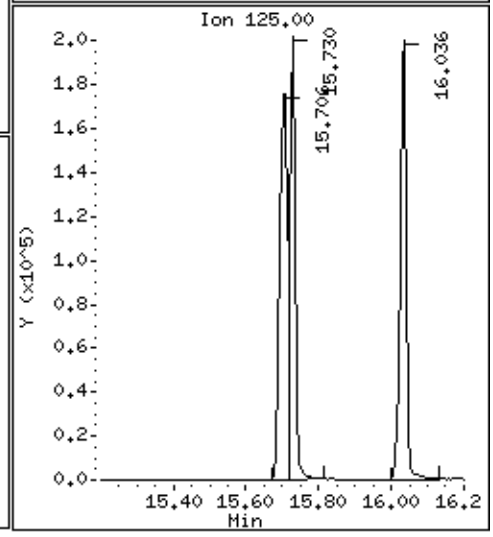












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

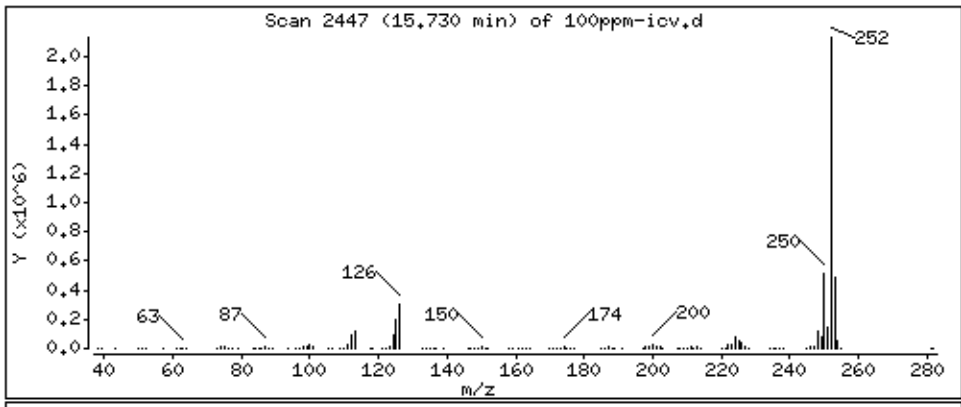
Operator: SN

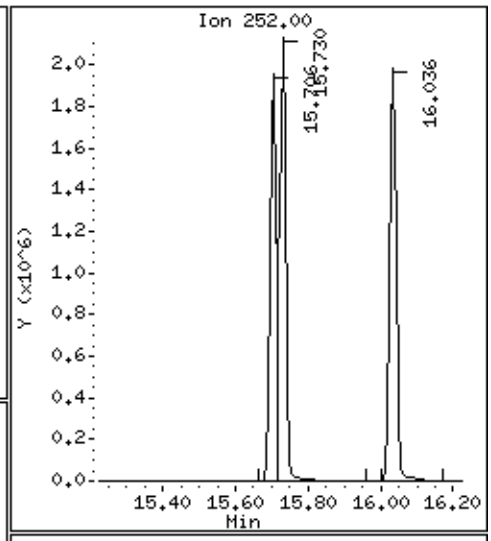
Column phase: .50um DB-5ms

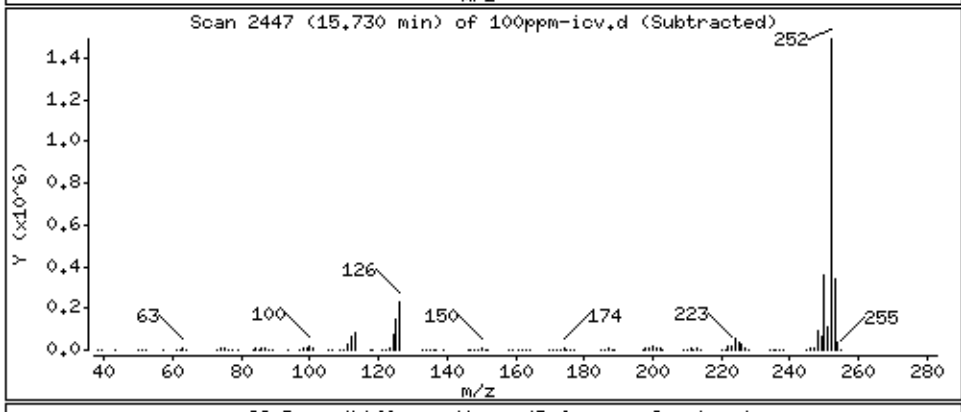
Column diameter: 0.25

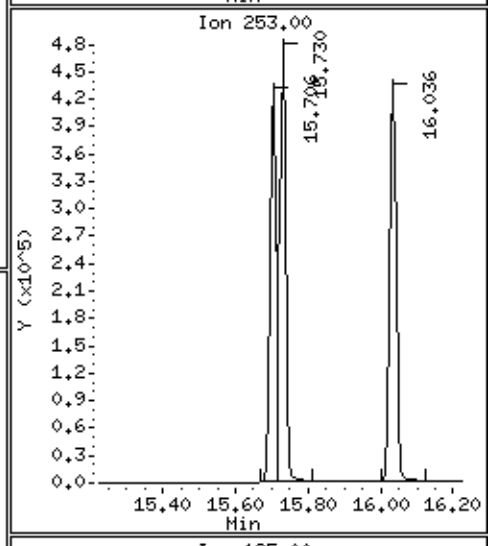
89 Benzo(k)fluoranthene

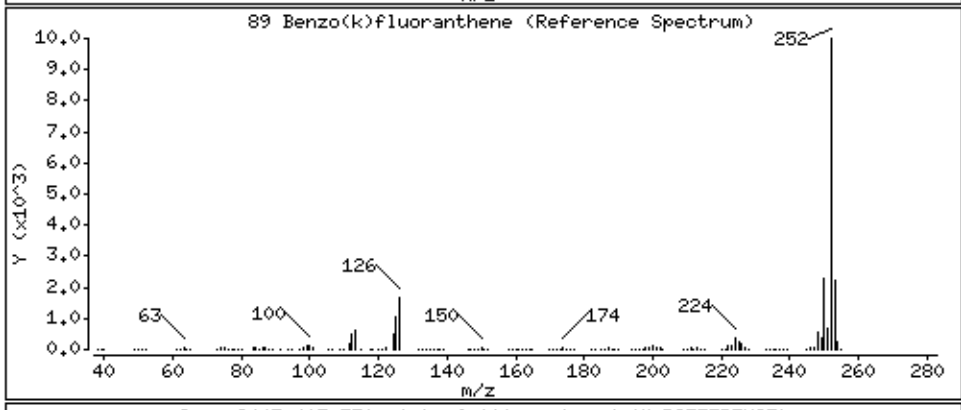
Concentration: 95.86 ug/L

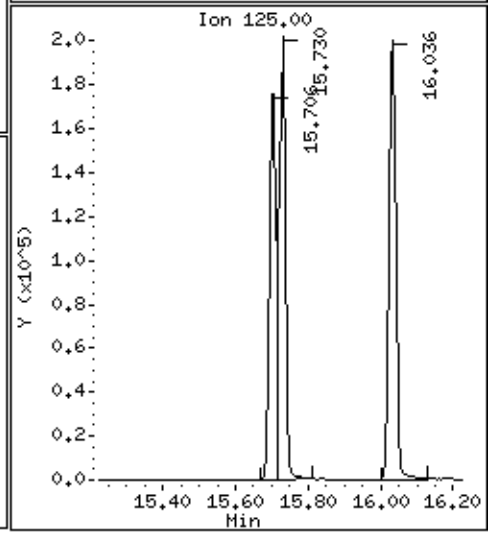


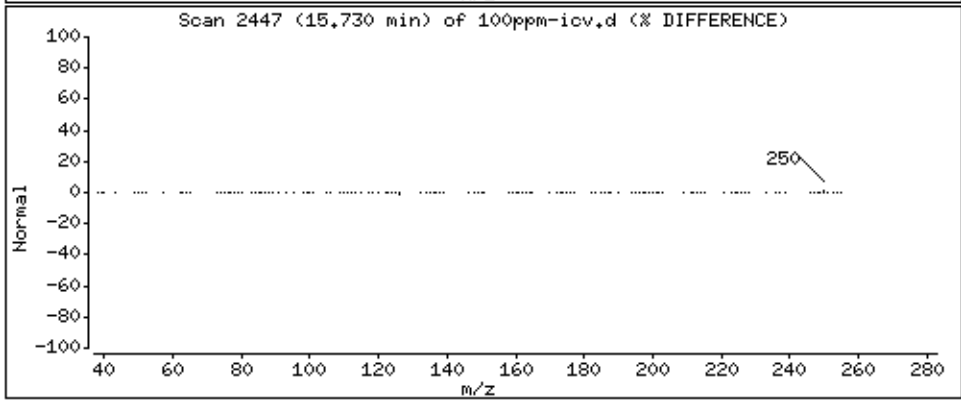












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

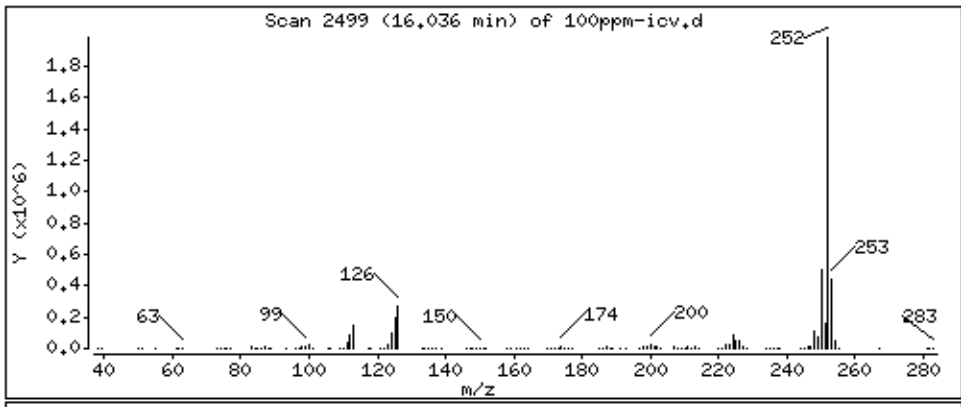
Operator: SN

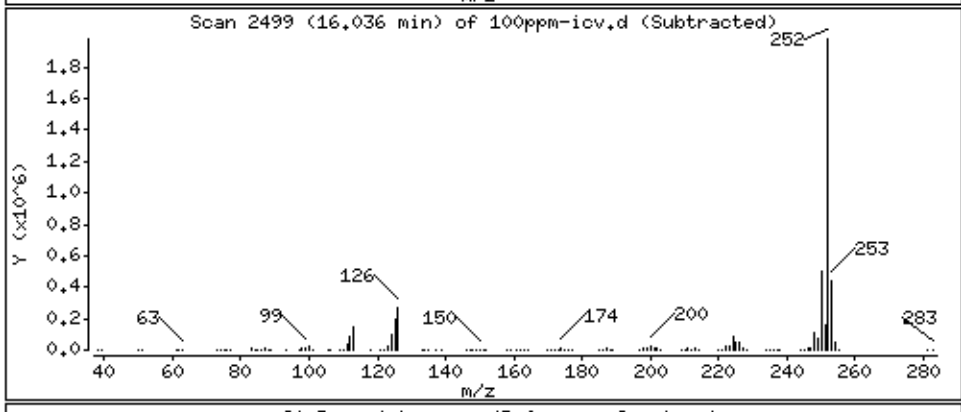
Column phase: .50um DB-5ms

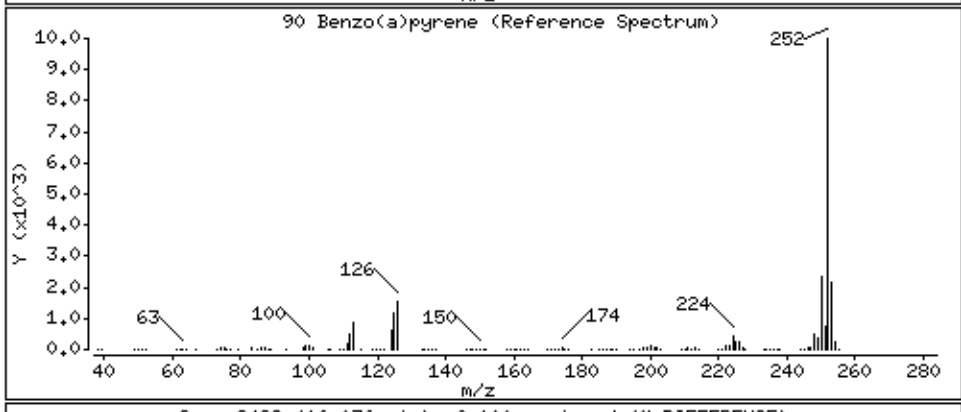
Column diameter: 0.25

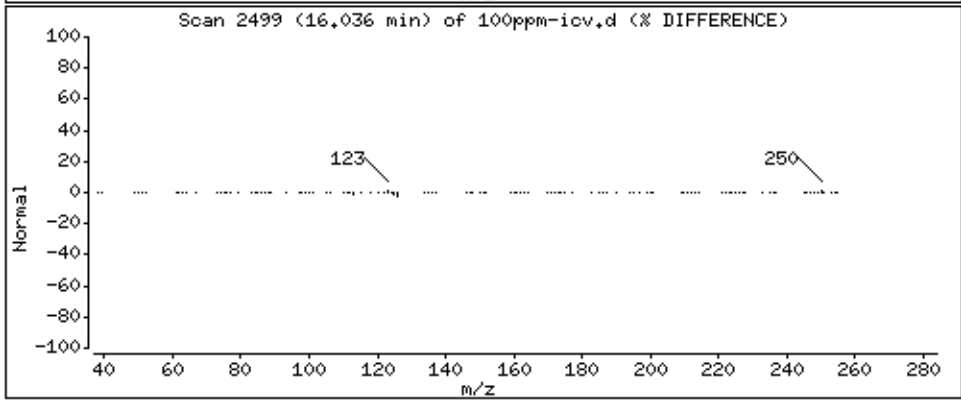
90 Benzo(a)pyrene

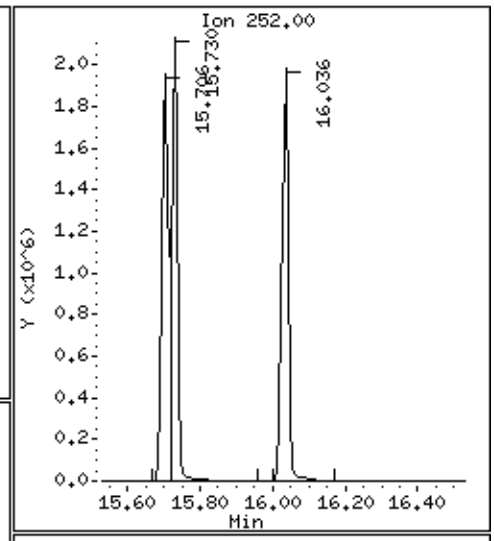
Concentration: 99.64 ug/L

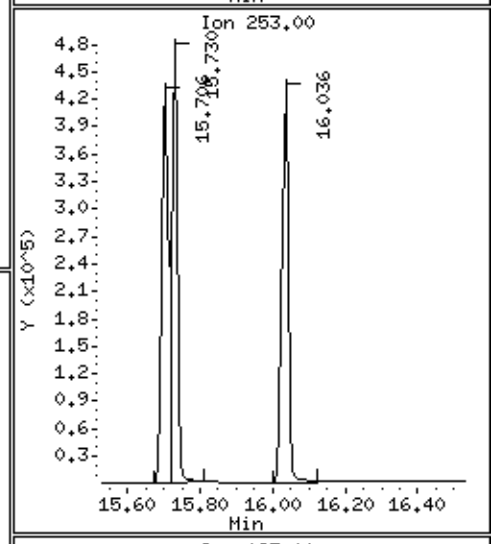


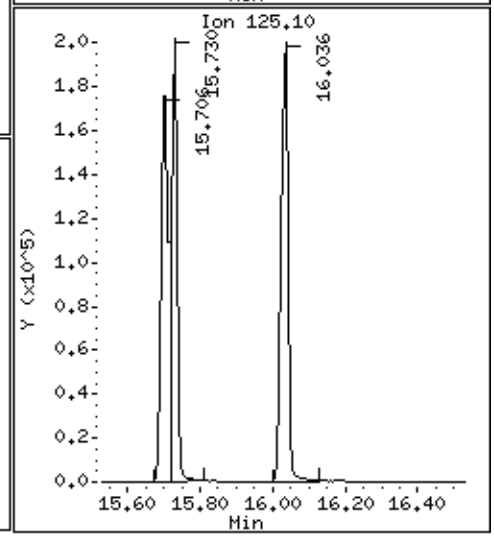












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Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

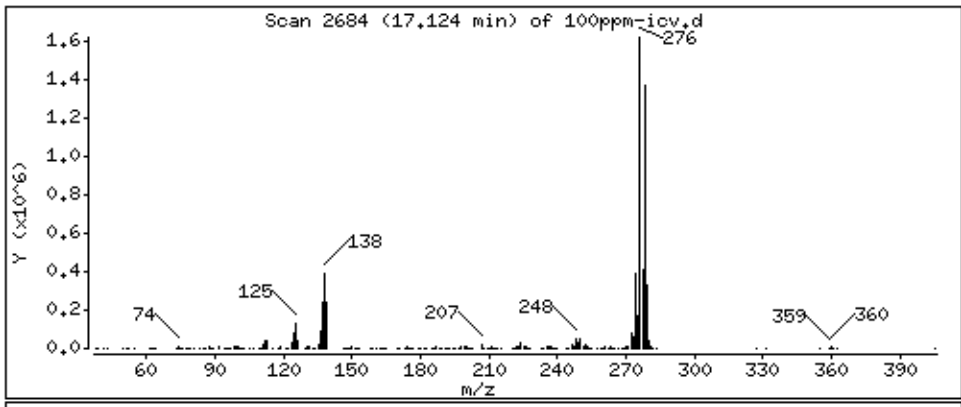
Operator: SN

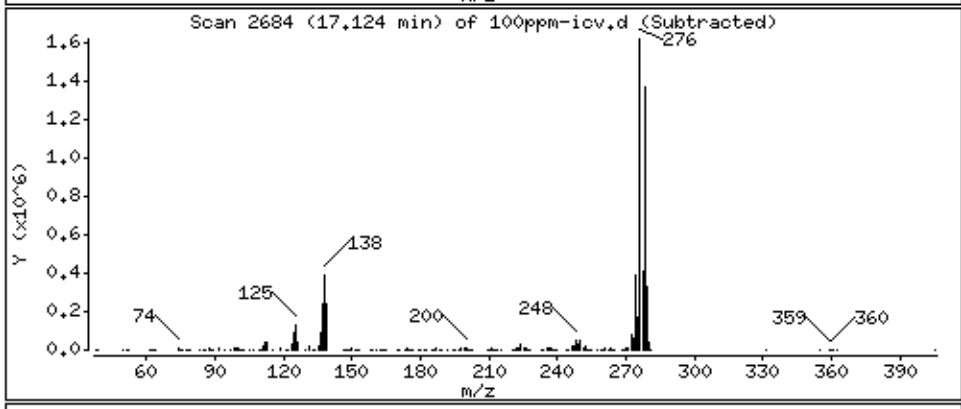
Column phase: .50um DB-5ms

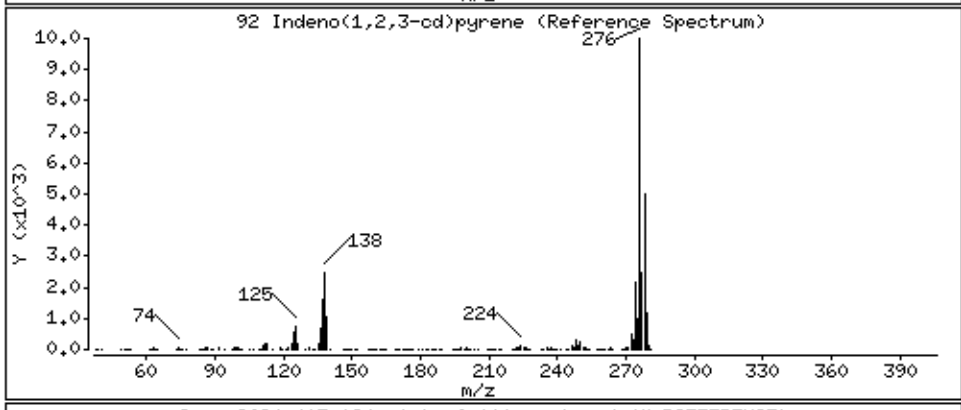
Column diameter: 0.25

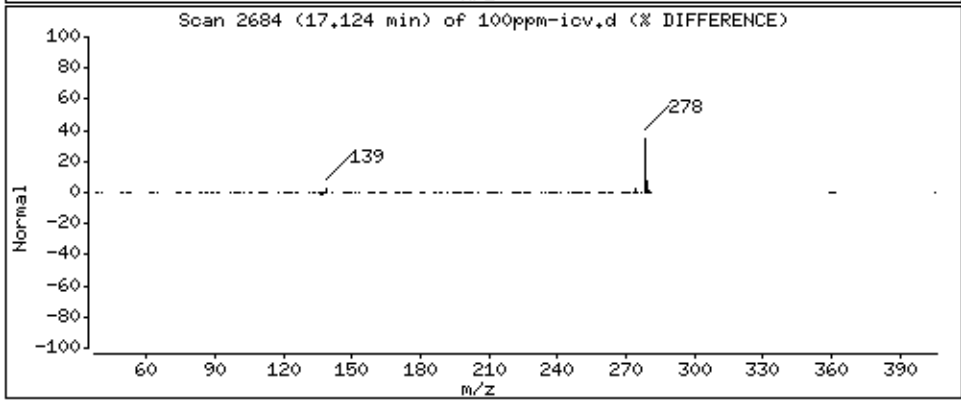
92 Indeno(1,2,3-cd)pyrene

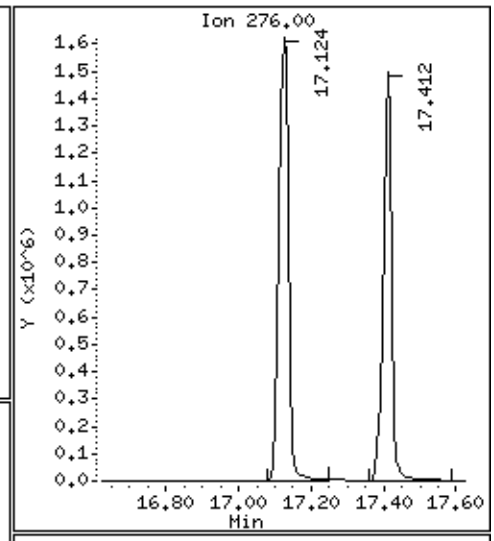
Concentration: 95.62 ug/L

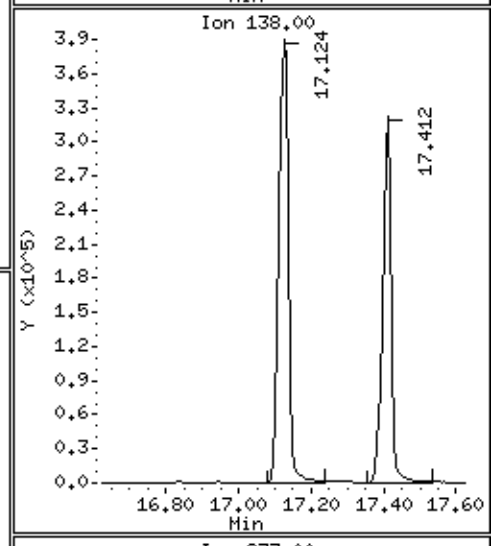


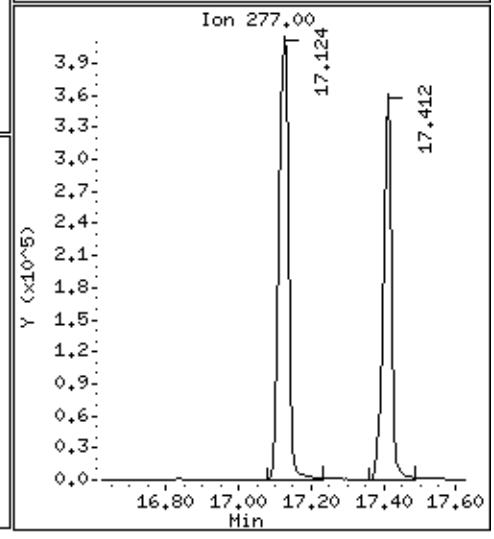












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

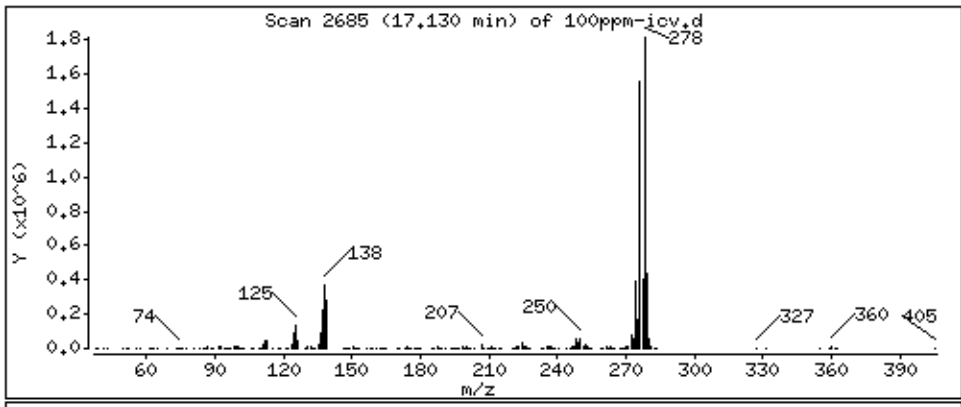
Operator: SN

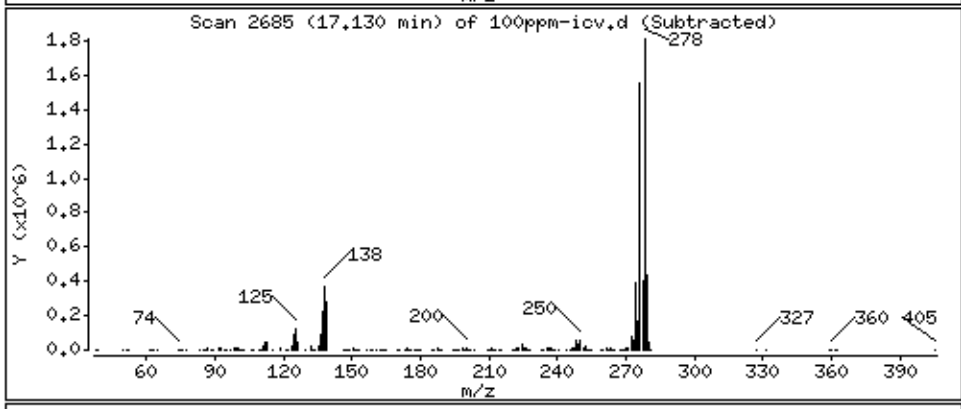
Column phase: .50um DB-5ms

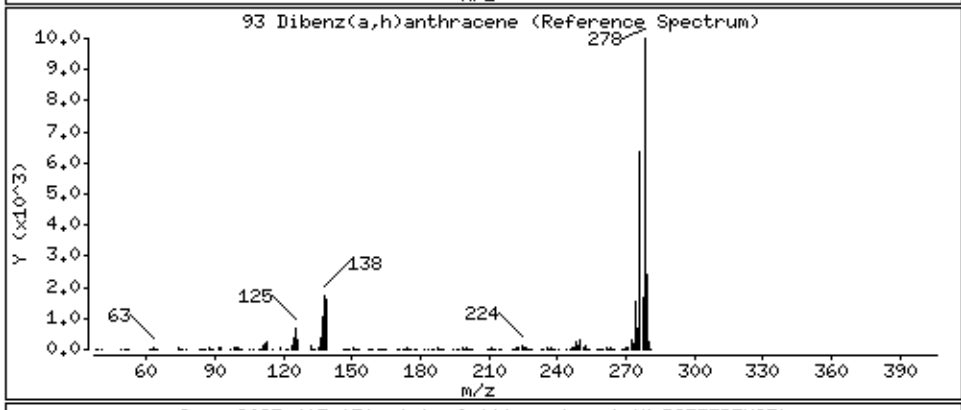
Column diameter: 0.25

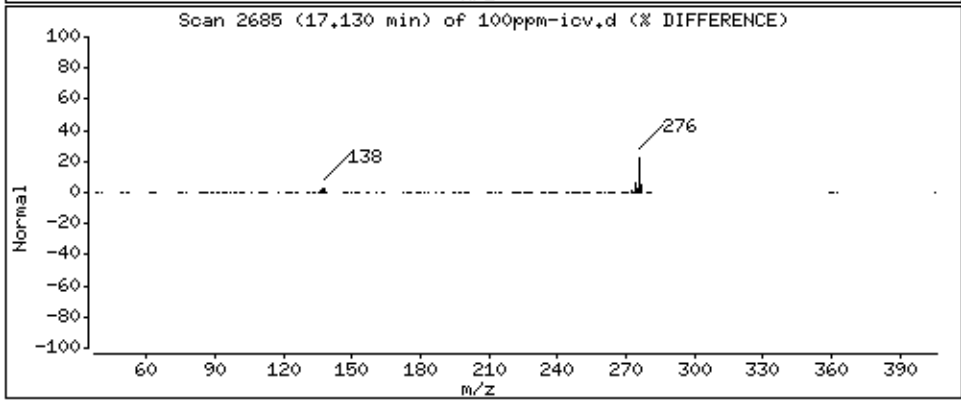
93 Dibenz(a,h)anthracene

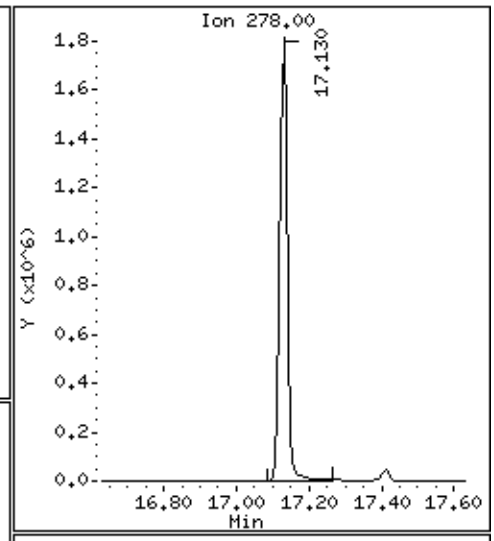
Concentration: 100.6 ug/L

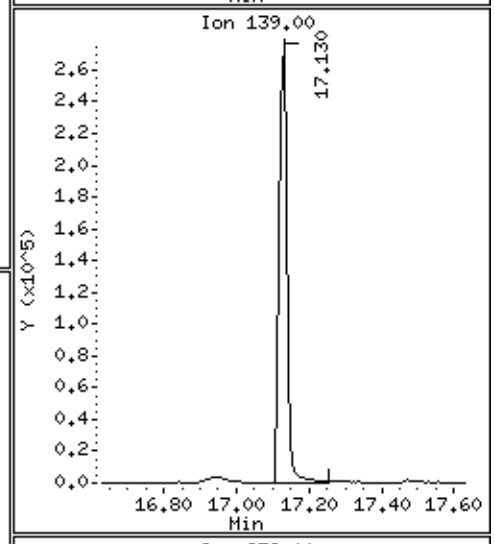


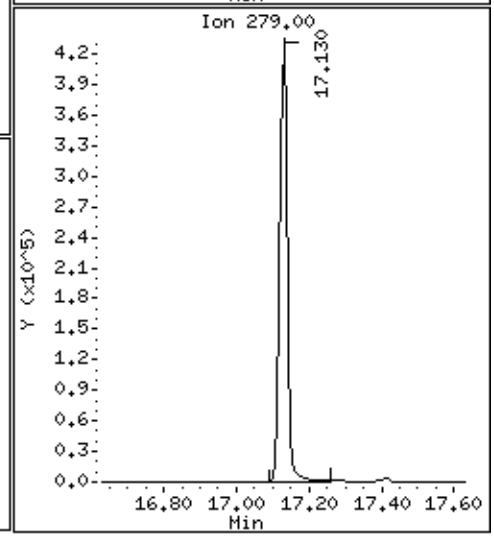












Data File: \\192.168.50.6\chem\50MSS2.i\063014cal.b\100ppm-icv.d

Date : 30-JUN-2014 16:35

Client ID:

Instrument: 50MSS2.i

Sample Info: ICV,71680:1

Volume Injected (uL): 1.0

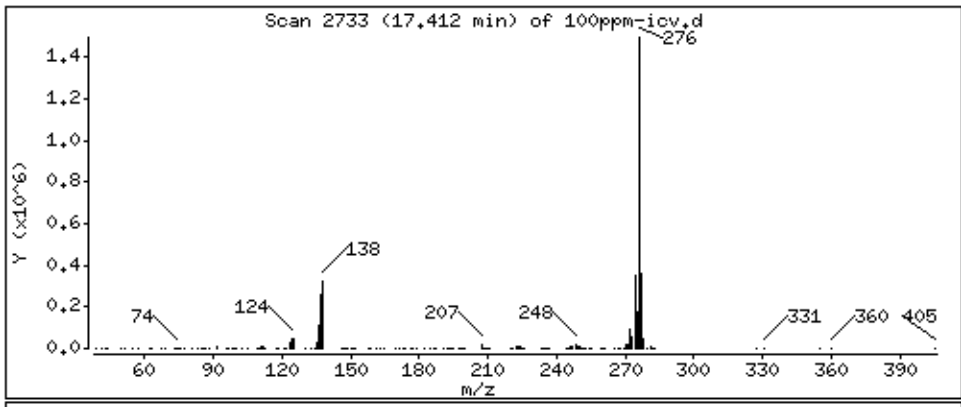
Operator: SN

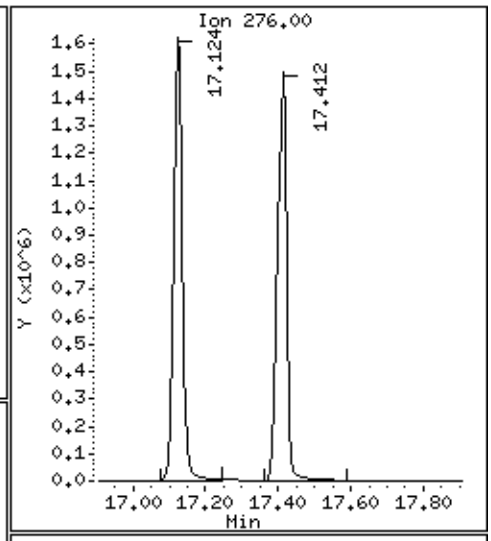
Column phase: .50um DB-5ms

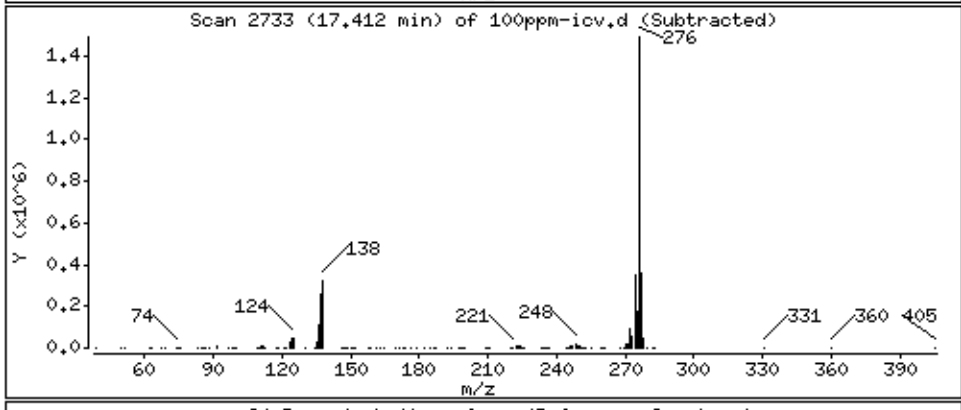
Column diameter: 0.25

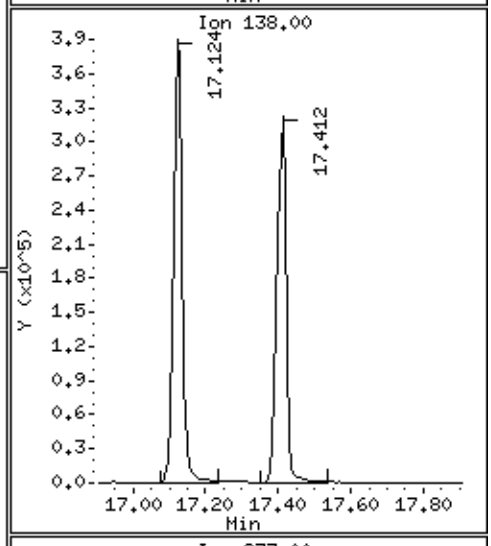
94 Benzo(g,h,i)perylene

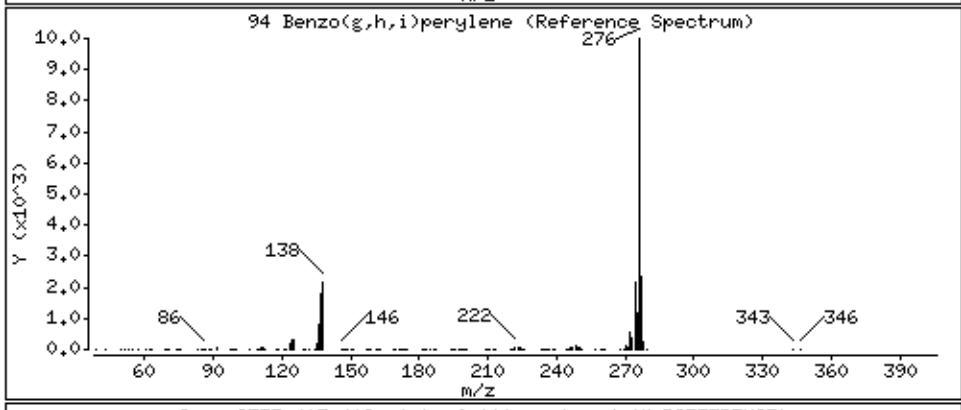
Concentration: 98.25 ug/L

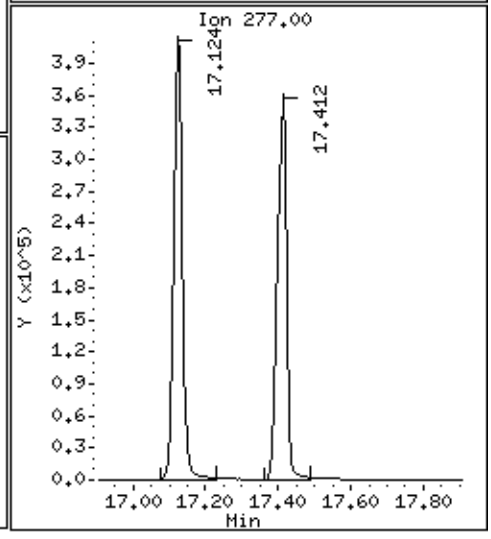


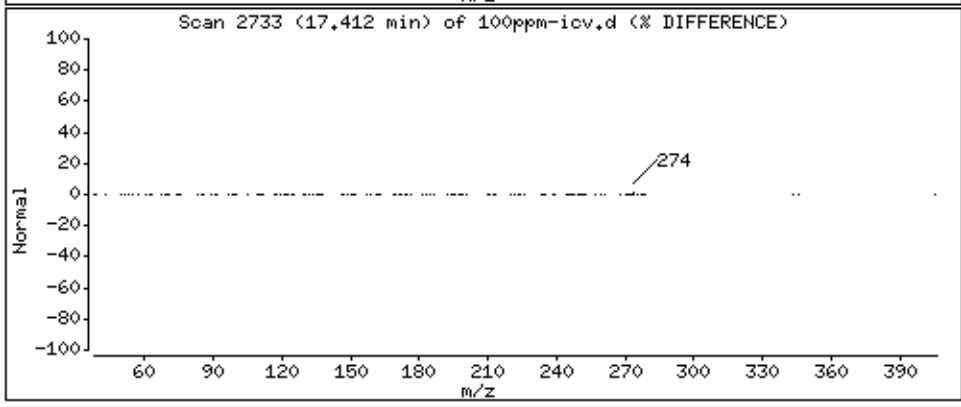












Pace Analytical Services, Inc.

Semivolatile REPORT SW-846 Method 8270/EPA 625

Data file : \\192.168.50.6\chem\50MSS2.i\070914b.b\100ppm-b.d
Lab Smp Id: CCV,71944:1
Inj Date : 09-JUL-2014 23:53
Operator : SN Inst ID: 50MSS2.i
Smp Info : ccv,71944:1
Misc Info : 15626
Comment :
Method : \\192.168.50.6\chem\50MSS2.i\070914b.b\8270c.m
Meth Date : 10-Jul-2014 09:05 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	2.019	2.019	(0.433)	207644	100.000	100.7
	2 Pyridine	79	2.019	2.019	(0.433)	570217	100.000	100.1
$	3 2-Fluorophenol (S)	112	3.366	3.366	(0.721)	546924	100.000	102.8
	5 Benzaldehyde	77	4.207	4.207	(0.902)	354531	100.000	187.4
$	6 Phenol-d5 (S)	99	4.377	4.377	(0.938)	703525	100.000	107.1
	7 Phenol	94	4.389	4.389	(0.941)	747464	100.000	104.9
	8 bis(2-Chloroethyl)ether	93	4.430	4.430	(0.950)	540355	100.000	105.4
	9 2-Chlorophenol	128	4.483	4.483	(0.961)	678595	100.000	104.5
	10 1,3-Dichlorobenzene	146	4.624	4.624	(0.991)	736867	100.000	102.0
*	11 1,4-Dichlorobenzene-d4 (IS)	152	4.665	4.665	(1.000)	195277	40.0000	
	12 1,4-Dichlorobenzene	146	4.683	4.683	(1.004)	736382	100.000	102.4
	13 Benzyl Alcohol	108	4.877	4.877	(1.045)	426093	100.000	111.6
	14 1,2-Dichlorobenzene	146	4.901	4.901	(1.050)	719879	100.000	104.1
	15 2-Methylphenol	108	5.060	5.060	(1.084)	548189	100.000	102.1
	16 bis(2chloro1methylethyl) ether	45	5.048	5.048	(1.082)	615780	100.000	105.0
	17 2,2'-Oxybis(1-chloropropane)	45	5.048	5.048	(1.082)	615780	100.000	105.0
	18 bis(2-Chloroisopropyl)ether	45	5.048	5.048	(1.082)	615780	100.000	105.0
	20 3&4-Methylphenol	108	5.259	5.259	(1.127)	614843	100.000	106.9
	19 Acetophenone	105	5.201	5.201	(1.115)	868669	100.000	107.8
	21 N-Nitroso-di-n-propylamine	70	5.242	5.242	(1.124)	396314	100.000	108.7
	22 Hexachloroethane	117	5.277	5.277	(1.131)	259894	100.000	103.9

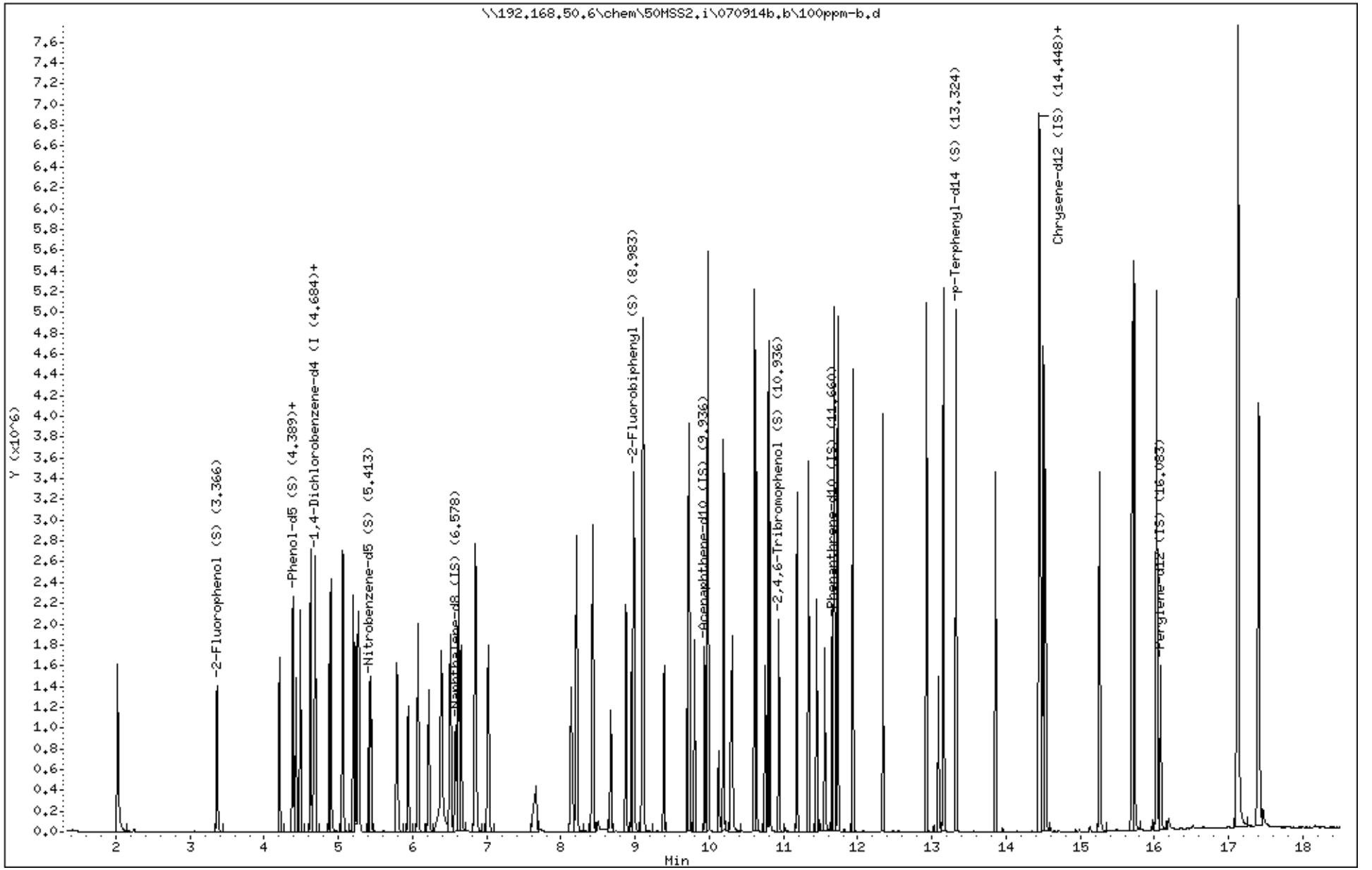
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
$	23 Nitrobenzene-d5 (S)	82	5.412	5.412	(0.823)	592036	100.000	105.1
	24 Nitrobenzene	77	5.436	5.436	(0.827)	597274	100.000	104.1
	25 Isophorone	82	5.789	5.789	(0.880)	1129293	100.000	102.9
	26 2-Nitrophenol	139	5.942	5.942	(0.903)	401369	100.000	108.4
	27 2,4-Dimethylphenol	122	6.071	6.071	(0.923)	568725	100.000	97.06
	28 Benzoic Acid	122	6.395	6.395	(0.972)	274144	100.000	128.8
	29 bis(2-Chloroethoxy)methane	93	6.218	6.218	(0.945)	722997	100.000	103.2
	30 2,4-Dichlorophenol	162	6.389	6.389	(0.971)	628560	100.000	105.3
	31 1,2,4-Trichlorobenzene	180	6.512	6.512	(0.990)	670594	100.000	102.7
*	32 Naphthalene-d8 (IS)	136	6.577	6.577	(1.000)	800313	40.0000	
	33 Naphthalene	128	6.618	6.618	(1.006)	2049388	100.000	102.1
	35 4-Chloroaniline	127	6.848	6.848	(1.041)	808548	100.000	103.6
	34 2,6-Dichlorophenol	162	6.848	6.848	(1.041)	589647	100.000	101.4
	36 Hexachlorobutadiene	225	7.018	7.018	(1.067)	414630	100.000	104.3
	37 Caprolactam	113	7.665	7.665	(1.165)	175523	100.000	104.6
	38 4-Chloro-3-methylphenol	107	8.136	8.136	(1.237)	567405	100.000	106.7
	39 2-Methylnaphthalene	142	8.212	8.212	(1.249)	1446864	100.000	103.3
	41 1-Methylnaphthalene	142	8.430	8.430	(1.282)	1381105	100.000	102.1
	43 Hexachlorocyclopentadiene	237	8.671	8.671	(0.873)	260641	100.000	87.48
	44 2,4,6-Trichlorophenol	196	8.871	8.871	(0.893)	489510	100.000	108.2
	45 2,4,5-Trichlorophenol	196	8.953	8.953	(0.901)	506206	100.000	108.2
$	46 2-Fluorobiphenyl (S)	172	8.983	8.983	(0.904)	1541277	100.000	104.0
	48 Biphenyl (Diphenyl)	154	9.112	9.112	(0.917)	1680910	100.000	101.7
	47 2-Chloronaphthalene	162	9.100	9.100	(0.916)	1270867	100.000	101.5
	49 2-Nitroaniline	65	9.389	9.389	(0.945)	307357	100.000	108.4
	50 Dimethylphthalate	163	9.706	9.706	(0.977)	1451934	100.000	99.74
	51 Acenaphthylene	152	9.724	9.724	(0.979)	2179224	100.000	102.6
	52 2,6-Dinitrotoluene	165	9.800	9.800	(0.986)	337651	100.000	108.0
	54 3-Nitroaniline	138	9.983	9.983	(1.005)	350355	100.000	105.8
*	53 Acenaphthene-d10 (IS)	164	9.936	9.936	(1.000)	461317	40.0000	
	55 Acenaphthene	153	9.983	9.983	(1.005)	1311576	100.000	102.5
	56 2,4-Dinitrophenol	184	10.124	10.124	(1.019)	155848	100.000	80.09
	58 4-Nitrophenol	109	10.289	10.289	(1.036)	162985	100.000	106.6
	57 Dibenzofuran	168	10.189	10.189	(1.025)	1877276	100.000	100.3
	59 2,4-Dinitrotoluene	165	10.312	10.312	(1.038)	457318	100.000	105.7
	60 Diethylphthalate	149	10.606	10.606	(1.067)	1356816	100.000	113.2
	61 Fluorene	166	10.612	10.612	(1.068)	1447447	100.000	109.4
	62 4-Chlorophenyl-phenylether	204	10.636	10.636	(1.070)	761394	100.000	101.9
	63 4-Nitroaniline	138	10.753	10.753	(1.082)	374440	100.000	104.6
	64 4,6-Dinitro-2-methylphenol	198	10.794	10.794	(0.926)	248485	100.000	102.7(Q)
	65 N-Nitrosodiphenylamine	169	10.800	10.800	(0.926)	1046467	100.000	105.9
	66 1,2-Diphenylhydrazine	77	10.818	10.818	(0.928)	1290607	100.000	103.6
$	67 2,4,6-Tribromophenol (S)	330	10.936	10.936	(0.938)	338533	100.000	114.0
	68 4-Bromophenyl-phenylether	248	11.183	11.183	(0.959)	525842	100.000	108.4
	69 Hexachlorobenzene	284	11.336	11.336	(0.972)	620715	100.000	105.9
	70 Atrazine	200	11.447	11.447	(0.982)	346002	100.000	95.93
	71 Pentachlorophenol	266	11.553	11.553	(0.991)	263731	100.000	91.01
*	72 Phenanthrene-d10 (IS)	188	11.659	11.659	(1.000)	824555	40.0000	
	73 Phenanthrene	178	11.683	11.683	(1.002)	2158156	100.000	103.4
	74 Anthracene	178	11.730	11.730	(1.006)	2164323	100.000	99.25
	75 Carbazole	167	11.936	11.936	(1.024)	1999277	100.000	97.61
	76 Di-n-butylphthalate	149	12.341	12.341	(1.059)	2271131	100.000	98.55
	77 Fluoranthene	202	12.930	12.930	(1.109)	2398513	100.000	99.99
	78 Benzidine	184	13.088	13.088	(1.123)	649917	100.000	112.0

	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)	2470146	100.000	98.84
$	80 p-Terphenyl-d14 (S)	244	13.324	13.324	(1.143)	1583121	100.000	97.06
	81 Butylbenzylphthalate	149	13.853	13.853	(0.957)	1025568	100.000	104.2
	82 Benzo(a)anthracene	228	14.447	14.447	(0.998)	2437299	100.000	101.7
	83 3,3'-Dichlorobenzidine	252	14.453	14.453	(0.999)	875911	100.000	108.8
*	84 Chrysene-d12 (IS)	240	14.471	14.471	(1.000)	958606	40.0000	
	85 Chrysene	228	14.500	14.500	(1.002)	2319496	100.000	102.2
	86 bis(2-Ethylhexyl)phthalate	149	14.529	14.529	(1.004)	1477709	100.000	104.5
	87 Di-n-octylphthalate	149	15.259	15.259	(0.949)	2544444	100.000	105.1
	88 Benzo(b)fluoranthene	252	15.700	15.700	(0.976)	2737810	100.000	100.0
	89 Benzo(k)fluoranthene	252	15.724	15.724	(0.978)	2941930	100.000	106.1
	90 Benzo(a)pyrene	252	16.029	16.029	(0.997)	2551282	100.000	104.9
*	91 Perylene-d12 (IS)	264	16.082	16.082	(1.000)	663765	40.0000	
	92 Indeno(1,2,3-cd)pyrene	276	17.123	17.123	(1.065)	3421041	100.000	108.0
	93 Dibenz(a,h)anthracene	278	17.129	17.129	(1.065)	2711901	100.000	107.0
	94 Benzo(g,h,i)perylene	276	17.406	17.406	(1.082)	2904978	100.000	107.3

QC Flag Legend

Q - Qualifier signal failed the ratio test.

Data File: \\192.168.50.6\chem\50MSS2.i\070914b.b\100ppm-b.d
Date : 09-JUL-2014 23:53
Client ID:
Instrument: 50MSS2.i
Sample Info: CCV,71944:1
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\063014cal.b\dftpp-a.d

Date : 30-JUN-2014 13:11

Client ID: DFTPP

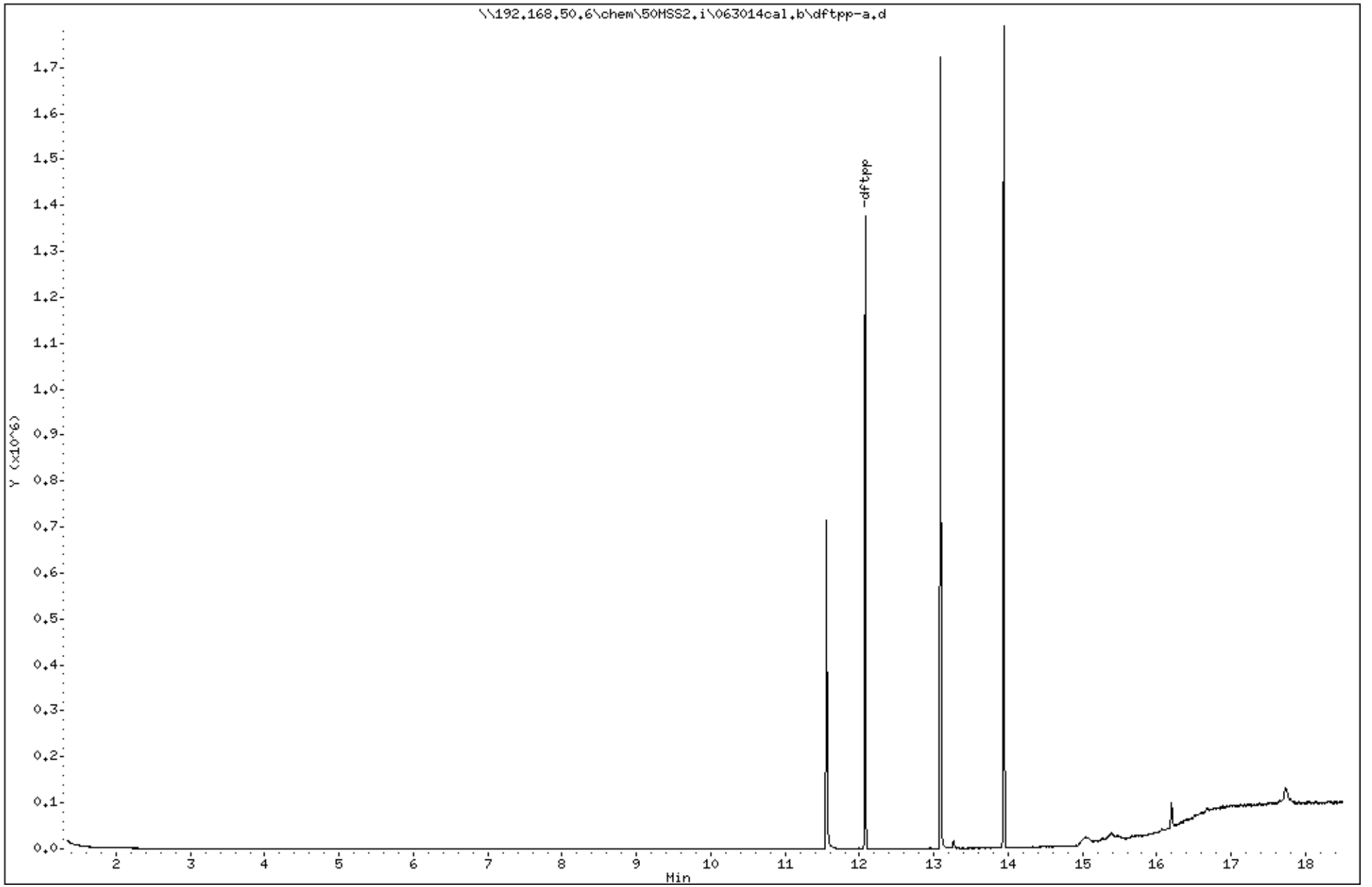
Instrument: 50MSS2.i

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

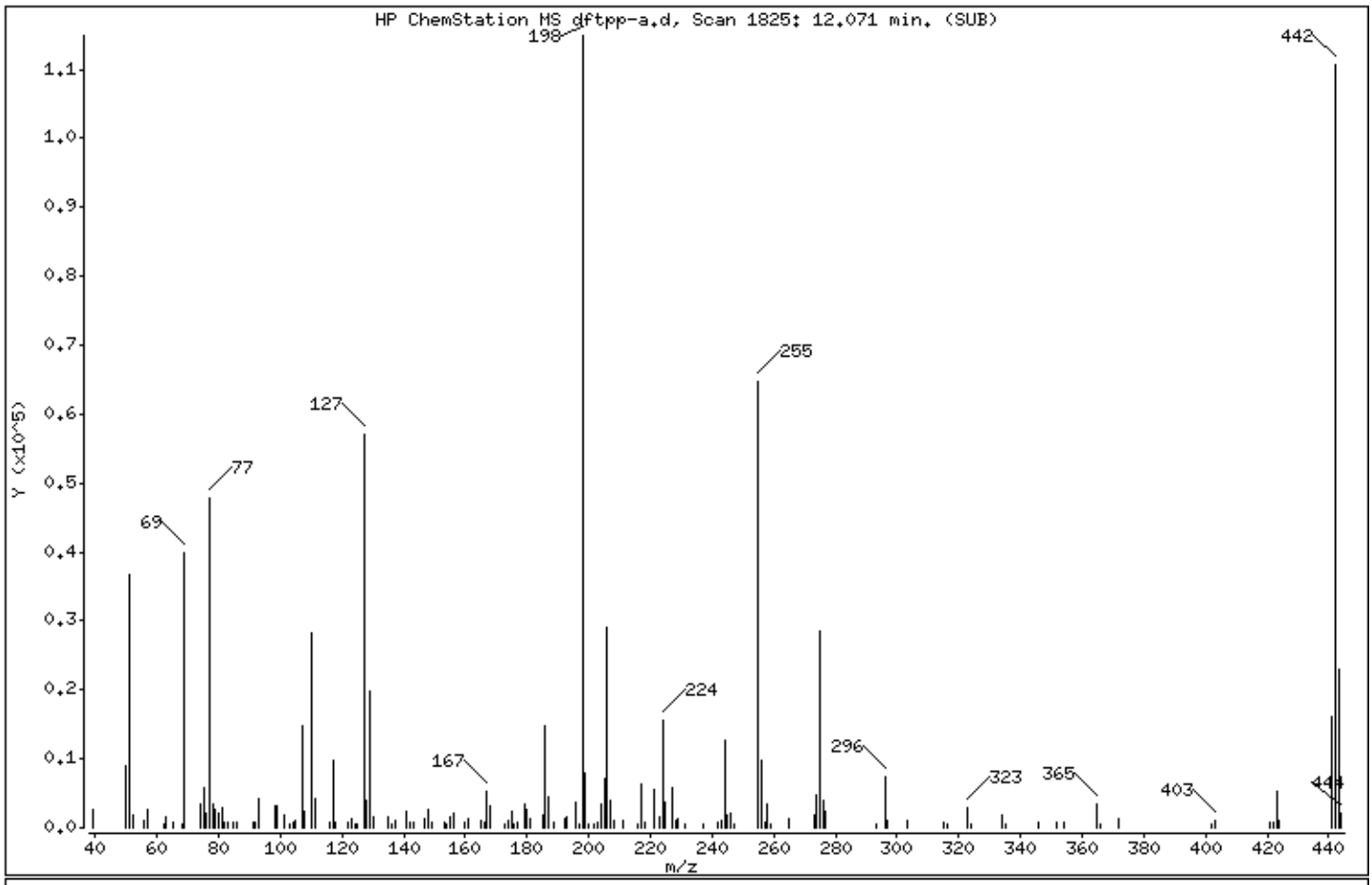
Sample Info: TUNE,71640:1

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\070914b.b\dftpp-b.d

Date : 09-JUL-2014 23:30

Client ID: DFTPP

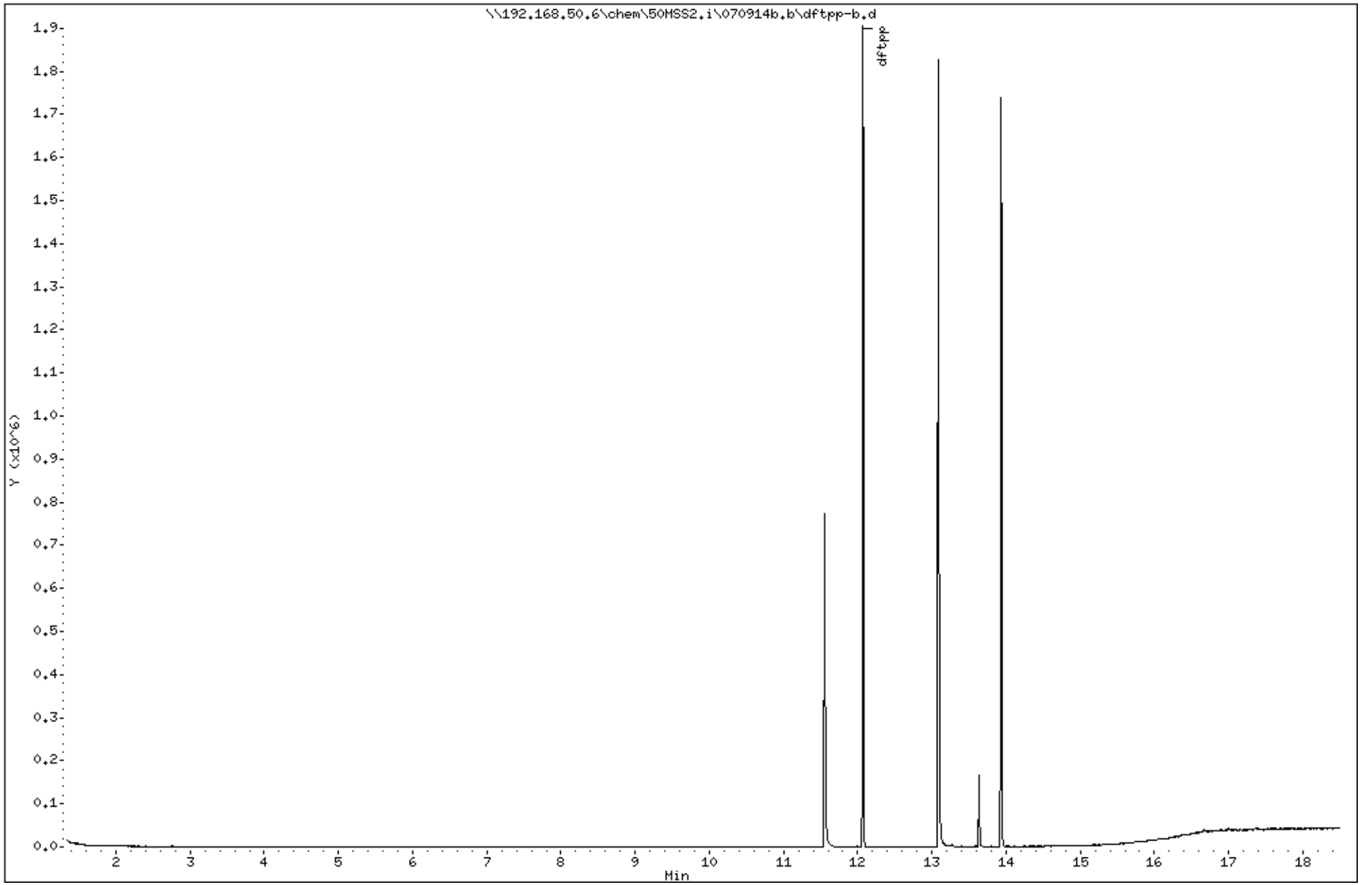
Instrument: 50MSS2.i

Sample Info: TUNE,71941:1

Operator: SN

Column phase:

Column diameter: 2.00



Data File: \\192.168.50.6\chem\50MSS2.i\070914b.b\dftpp-b.d

Date : 09-JUL-2014 23:30

Client ID: DFTPP

Instrument: 50MSS2.i

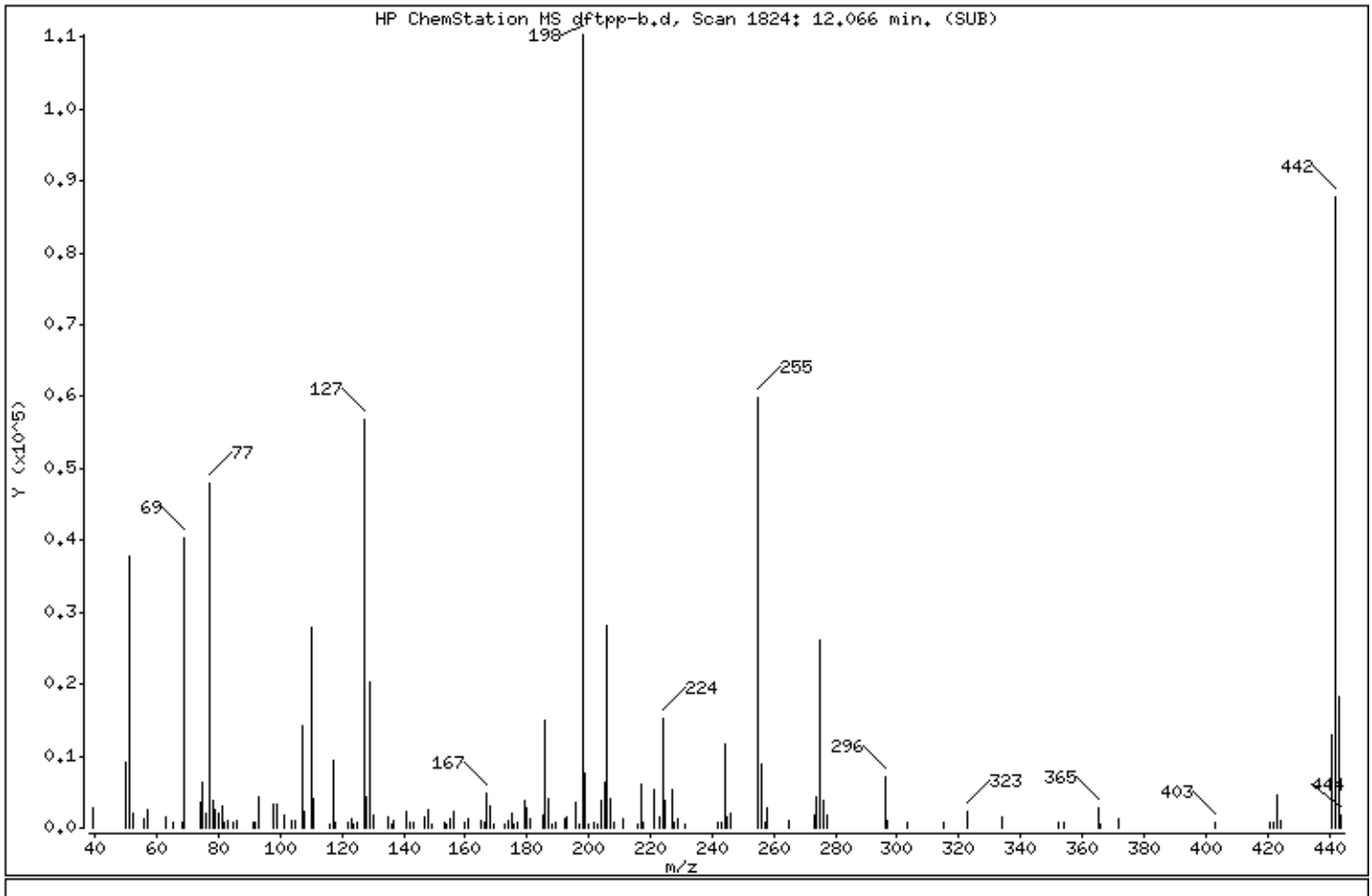
Sample Info: TUNE,71941:1

Operator: SN

Column phase:

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	34.33
68	Less than 2.00% of mass 69	0.66 (1.82)
69	Mass 69 relative abundance	36.58
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	51.54
197	Less than 1.00% of mass 198	0.55
199	5.00 - 9.00% of mass 198	6.91
275	10.00 - 30.00% of mass 198	23.61
365	Greater than 1.00% of mass 198	2.60
441	Present, but less than mass 443	11.67
442	Greater than 40.00% of mass 198	79.48
443	17.00 - 23.00% of mass 442	16.46 (20.71)

Date : 09-JUL-2014 23:30

Client ID: DFTPP Instrument: 50MSS2.i

Sample Info: TUNE,71941:1

Operator: SN

Column phase: Column diameter: 2.00

Data File: dftpp-b.d
Spectrum: HP ChemStation MS dftpp-b.d, Scan 1824: 12.066 min. (SUB)
Location of Maximum: 198.00
Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
39.10	2875	117.00	9276	179.00	3707	243.00	687
50.00	9173	118.00	777	180.00	2775	244.00	11615
51.00	37864	122.00	824	181.00	1360	245.00	1593
52.00	1926	123.00	1148	185.00	1720	246.00	2033
56.00	1158	123.90	622	186.00	14929	255.00	59832
57.00	2550	124.90	687	187.00	4169	256.00	8871
63.00	1487	127.00	56848	188.00	563	257.00	813
65.00	825	128.00	4234	189.00	838	258.00	2856
68.00	733	129.00	20160	192.00	1251	265.00	1077
69.00	40352	130.00	1839	193.00	1450	273.00	1725
74.00	3540	135.00	1565	196.00	3523	274.00	4404
75.00	6247	136.00	600	196.70	609	275.00	26048
76.10	2020	137.00	914	198.00	110304	276.00	3801
77.00	47960	141.00	2283	199.00	7619	277.00	1800
78.00	3772	141.90	841	200.00	583	296.00	6993
79.00	2460	143.00	635	201.40	637	297.00	998
80.00	2013	147.00	1428	202.90	614	303.00	773
81.00	3163	148.00	2550	204.00	3813	315.00	756
82.00	798	148.90	550	205.00	6407	323.00	2286
83.00	897	153.00	732	206.00	28128	334.10	1580
85.00	779	154.00	621	207.10	3936	352.00	711
85.90	913	155.00	1373	207.90	760	354.00	791
91.00	691	156.00	2237	211.00	1162	365.00	2867
92.00	735	160.00	770	216.00	567	366.00	505
93.00	4383	160.90	1299	217.00	6150	372.00	1287
98.00	3336	164.90	940	217.90	859	403.00	641
99.00	3182	166.00	800	221.00	5376	421.00	636
101.00	1673	167.00	4791	223.00	1621	422.10	679
103.90	958	168.00	2937	224.00	15220	423.10	4460
105.00	958	169.00	537	225.00	3915	424.10	1091
107.00	14189	172.90	555	227.00	5301	441.00	12871
108.00	2329	174.00	1021	227.90	701	442.10	87672
110.00	28000	175.00	2016	229.00	1257	443.10	18160
111.00	4130	175.90	587	231.00	579	444.00	1814
115.90	599	177.00	836	241.90	817		

Date : 09-JUL-2014 23:30

Client ID: DFTPP Instrument: 50MSS2.i

Sample Info: TUNE,71941:1

Operator: SN

Column phase: Column diameter: 2.00

Data File: dftpp-b.d
Spectrum: HP ChemStation MS dftpp-b.d, Scan 1824: 12.066 min. (SUB)
Location of Maximum: 198.00
Number of points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y

Prep Log Report

Batch Information: OEXT 233090 BNA (W) SHORT

Template Version: EF-IN-O-308-Rev.02(11Sep2012)

Prep Method	EPA 3510	Analysis Method	EPA 8270	Extracted By	JLR	Extracted By Date	07/09/2014 13:01:00
Spiked By	JLR	Vialed By	JLR	Vialed By Date	07/09/2014 14:37:53:116	Zymark	See Log
N-evap	See Log	Water Bath	See Log	Methylene Chloride	70898	Sulfuric Acid	65401
NaOH 10 N	71375	Sodium Sulfate	72011	Batch Notes			

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Initial Volume (mL)	Final Volume (mL)	Initial pH	Adjusted pH	Adjusted pH (1)	Sample Notes	8270-SS (mL)	8270SS-SPK (mL)
8270 WSEPS	BLANK	**1124628**	1000	1	7	<2	>11		57572 (1)	
8270 WSEPS	LCS	**1124629**	1000	1	7	<2	>11		57572 (1)	71550 (1)
8270 WSEPS	PS	**50100317001**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317002**	960	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317003**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317004**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317005**	960	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317006**	930	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317007**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317008**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	RQS	**50100317009**	1000	1	7	<2	>11		57572 (1)	
8270 WSEPS	MS	**1124630**	500	1	7	<2	>11		57572 (1)	71550 (1)
8270 WSEPS	MSD	**1124631**	500	1	7	<2	>11		57572 (1)	71550 (1)
8270 WSEPS	PS	**50100317010**	970	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317011**	950	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317012**	710	1	7	<2	>11		57572 (1)	
8270 WSEPS	PS	**50100317014**	980	1	7	<2	>11		57572 (1)	

Standard Notes:

57572: NEW working conc. stock from O2Si

71550: 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	6/30/14	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	
1/5099717001.d	5099717001	S/15601	SAMPLE	1	8270c	6/30/14	20:20	SN	
1/1118959m.d	1118959	S/15601	MS	1	8270c	6/30/14	20:43	SN	
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	
1/1120073b.d	1120073	L/15607	BLANK	1	8270c	6/30/14	23:21	SN	
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
1/1118961b.d	1118961	L/15599	BLANK	1	8270c	7/01/14	01:59	SN	
1/1118962l.d	1118962	L/15599	LCS	1	8270c	7/01/14	02:22	SN	
1/5099884001.d	5099884001	L/15599	SAMPLE	1	8270c	7/01/14	02:44	SN	
1/5099355032.d	5099355032	L/15599	SAMPLE	1	8270c	7/01/14	03:07	SN	
1/5099355033.d	5099355033	L/15599	SAMPLE	1	8270c	7/01/14	03:29	SN	
1/5099355034.d	5099355034	L/15599	SAMPLE	1	8270c	7/01/14	03:52	SN	
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

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	7/09/14	11:05	SN	
1/dftpp-a.d	TUNE,71941:1	G/	DFTPP	1	sw846tun	7/09/14	11:27	SN	Good
1/100ppm-a.d	CCV,71944:1	L/	CCALIB_6	1	8270c	7/09/14	11:50	SN	Good
1/50100326003x10.d	50100326003x10	L/15676	SAMPLE	5	8270c	7/09/14	12:12	SN	
1/50100145004x100.d	50100145004x100	L/15627	SAMPLE	100	8270c	7/09/14	12:35	SN	
1/1124824b.d	1124824	L/15683	BLANK	1	8270c	7/09/14	12:58	SN	
1/1124825l.d	1124825	L/15683	LCS	1	8270c	7/09/14	13:20	SN	
1/50100044001.d	50100044001	S/15683	SAMPLE	1	8270c	7/09/14	13:43	SN	
1/1124826m.d	1124826	S/15683	MS	1	8270c	7/09/14	14:05	SN	
1/50100044002.d	50100044002	S/15683	SAMPLE	1	8270c	7/09/14	14:28	SN	
1/50100044003.d	50100044003	S/15683	SAMPLE	1	8270c	7/09/14	14:50	SN	
1/50100044004.d	50100044004	S/15683	SAMPLE	1	8270c	7/09/14	15:13	SN	
1/1124821b.d	1124821	L/15684	BLANK	1	8270c	7/09/14	15:36	SN	
1/1124822l.d	1124822	L/15684	LCS	1	8270c	7/09/14	15:58	SN	
1/50100395001.d	50100395001	S/15684	SAMPLE	1	8270c	7/09/14	16:21	SN	
1/1124823m.d	1124823	S/15684	MS	1	8270c	7/09/14	16:43	SN	
1/1124636b.d	1124636	S/15687	BLANK	1	8270c	7/09/14	17:06	SN	
1/1124637l.d	1124637	S/15687	LCS	1	8270c	7/09/14	17:28	SN	
1/50100483001.d	50100483001	S/15687	SAMPLE	1	8270c	7/09/14	17:51	SN	
1/50100483002.d	50100483002	S/15687	SAMPLE	1	8270c	7/09/14	18:14	SN	
1/50100483003.d	50100483003	S/15687	SAMPLE	1	8270c	7/09/14	18:36	SN	
1/50100239002r.d	50100239002	L/15687	SAMPLE	1	8270c	7/09/14	18:59	SN	
1/50100124003rx10.d	50100124003x10	L/15687	SAMPLE	10	8270c	7/09/14	19:21	SN	report original
1/50100124003mrx10.d	50100124003x10	L/15687	MS	10	8270c	7/09/14	19:44	SN	↓
1/50100124003drx10.d	50100124003x10	L/15687	MSD	1	8270c	7/09/14	20:07	SN	↓
1/50100441001.d	50100441001	S/15687	SAMPLE	1	8270c	7/09/14	20:29	SN	
1/50100441005.d	50100441005	S/15687	SAMPLE	1	8270c	7/09/14	20:52	SN	
1/50100441006.d	50100441006	S/15687	SAMPLE	1	8270c	7/09/14	21:14	SN	
1/50100451001.d	50100451001	S/15687	SAMPLE	1	8270c	7/09/14	21:37	SN	
1/50100451002.d	50100451002	S/15687	SAMPLE	1	8270c	7/09/14	21:59	SN	
1/50100451003.d	50100451003	S/15687	SAMPLE	1	8270c	7/09/14	22:22	SN	
1/1124638m.d	1124638	S/15687	MS	1	8270c	7/09/14	22:45	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\070914b.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 08:55 07/10/2014

Page: 1

CEM 7.10.14

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	7/09/14	23:07	SN	
1/dftpp-b.d	TUNE,71941:1	G/	DFTPP	1	sw846tun	7/09/14	23:30	SN	Good
1/100ppm-b.d	CCV,71944:1	L/	CCALIB_6	1	8270c	7/09/14	23:53	SN	Good
1/1124639d.d	1124639	S/15687	MSD	1	8270c	7/10/14	00:15	SN	
1/50100451004.d	50100451004	S/15687	SAMPLE	1	8270c	7/10/14	00:38	SN	
1/1124628b.d	1124628	L/15691	BLANK	1	8270c	7/10/14	01:01	SN	
1/1124629l.d	1124629	L/15691	LCS	1	8270c	7/10/14	01:23	SN	
1/50100317001.d	50100317001	L/15691	SAMPLE	1	8270c	7/10/14	01:46	SN	
1/50100317002.d	50100317002	L/15691	SAMPLE	1	8270c	7/10/14	02:09	SN	
1/50100317003.d	50100317003	L/15691	SAMPLE	1	8270c	7/10/14	02:31	SN	
1/50100317004.d	50100317004	L/15691	SAMPLE	1	8270c	7/10/14	02:54	SN	
1/50100317005.d	50100317005	L/15691	SAMPLE	1	8270c	7/10/14	03:17	SN	
1/50100317006.d	50100317006	L/15691	SAMPLE	1	8270c	7/10/14	03:39	SN	
1/50100317007.d	50100317007	L/15691	SAMPLE	1	8270c	7/10/14	04:02	SN	
1/50100317008.d	50100317008	L/15691	SAMPLE	1	8270c	7/10/14	04:24	SN	
1/50100317009.d	50100317009	L/15691	SAMPLE	1	8270c	7/10/14	04:47	SN	
1/1124630m.d	1124630	L/15691	MS	1	8270c	7/10/14	05:09	SN	
1/1124631d.d	1124631	L/15691	MSD	1	8270c	7/10/14	05:32	SN	
1/50100317010.d	50100317010	L/15691	SAMPLE	1	8270c	7/10/14	05:55	SN	
1/50100317011.d	50100317011	L/15691	SAMPLE	1	8270c	7/10/14	06:18	SN	
1/50100317012.d	50100317012	L/15691	SAMPLE	1	8270c	7/10/14	06:40	SN	
1/50100317014.d	50100317014	L/15691	SAMPLE	1	8270c	7/10/14	07:03	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\070914b.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 08:55 07/10/2014

CEM 7.10.14

INSTRUMENT RUN LOG
Pace Analytical Services, Inc.

Instrument: 50MSS2.i
Column .50um DB-5ms 30m X 0.25mm He Method: Semivolatile REPORT SW-846 Met
Misc. Prep Info [G]:
Misc. Prep Info [L]:
Misc. Prep Info [S]:
ISTD lot: 64176:1 Surr. lot:
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/mecl2-a.d	PBLK,65934:1	L/	SAMPLE	1	8270c	7/10/14	11:18	SN	
1/dftpp-a.d	TUNE,71941:1	G/	DFTPP	1	sw846tun	7/10/14	11:41	SN	Good
1/100ppm-a.d	CCV,71944:1	L/	CCALIB_6	1	8270c	7/10/14	12:03	SN	Good
1/1125447b.d	1125447	L/15696	BLANK	1	8270c	7/10/14	12:36	SN	
1/1125448l.d	1125448	L/15696	LCS	1	8270c	7/10/14	12:59	SN	
1/50100489001.d	50100489001	S/15696	SAMPLE	1	8270c	7/10/14	13:21	SN	
1/1125449m.d	1125449	S/15696	MS	1	8270c	7/10/14	13:44	SN	
1/50100489002.d	50100489002	S/15696	SAMPLE	1	8270c	7/10/14	14:06	SN	
1/50100365001.d	50100365001	S/15696	SAMPLE	1	8270c	7/10/14	14:29	SN	
1/1125450m.d	1125450	S/15696	MS	1	8270c	7/10/14	14:51	SN	
1/50100366001.d	50100366001	S/15696	SAMPLE	1	8270c	7/10/14	15:14	SN	
1/50100365002.d	50100365002	S/15696	SAMPLE	1	8270c	7/10/14	15:36	SN	
1/1125451b.d	1125451	L/15697	BLANK	1	8270c	7/10/14	15:59	SN	
1/1125452l.d	1125452	L/15697	LCS	1	8270c	7/10/14	16:21	SN	
1/50100233001.d	50100233001	S/15697	SAMPLE	1	8270c	7/10/14	16:44	SN	
1/1125453m.d	1125453	S/15697	MS	1	8270c	7/10/14	17:07	SN	
1/50100233002.d	50100233002	S/15697	SAMPLE	1	8270c	7/10/14	17:29	SN	
1/1125383b.d	1125383	S/15699	BLANK	1	8270c	7/10/14	17:52	SN	
1/1125384l.d	1125384	S/15699	LCS	1	8270c	7/10/14	18:14	SN	
1/50100548001.d	50100548001	S/15699	SAMPLE	1	8270c	7/10/14	18:37	SN	
1/50100548002.d	50100548002	S/15699	SAMPLE	1	8270c	7/10/14	18:59	SN	
1/50100504004.d	50100504004	S/15699	SAMPLE	1	8270c	7/10/14	19:22	SN	
1/50100548004.d	50100548004	S/15699	SAMPLE	1	8270c	7/10/14	19:44	SN	
1/50100441009.d	50100441009	S/15699	SAMPLE	1	8270c	7/10/14	20:07	SN	
1/50100441017.d	50100441017	S/15699	SAMPLE	1	8270c	7/10/14	20:29	SN	
1/50100504001.d	50100504001	S/15699	SAMPLE	1	8270c	7/10/14	20:52	SN	
1/50100504002.d	50100504002	S/15699	SAMPLE	1	8270c	7/10/14	21:14	SN	
1/50100504003.d	50100504003	S/15699	SAMPLE	1	8270c	7/10/14	21:37	SN	
1/50100548003.d	50100548003	S/15699	SAMPLE	1	8270c	7/10/14	21:59	SN	
1/50100441032.d	50100441032	S/15699	SAMPLE	1	8270c	7/10/14	22:22	SN	
1/mecl2-b.d	PBLK,65934:1	L/	SAMPLE	1	8270c	7/10/14	22:44	SN	
1/dftpp-b.d	TUNE,71941:1	G/	DFTPP	1	sw846tun	7/10/14	23:07	SN	Good

File Path 1: \\192.168.50.6\chem\50MSS2.i\071014.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:39 07/11/2014

CEM 7.11.14

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: 7540-025 Surr. lot: see extract sheet
Tune std: _____ Cal. std: _____

Path/File	Smp Info	Mtrx/Batch	Type	DF	Method	Date	Time	Oper	Comments
1/100ppm-b.d	CCV,71944:1	L/	CCALIB_6	1	8270c	7/10/14	23:30	SN	good
1/50100441033.d	50100441033	S/15699	SAMPLE	1	8270c	7/10/14	23:52	SN	
1/50100441036.d	50100441036	S/15699	SAMPLE	1	8270c	7/11/14	00:15	SN	
1/1125385m.d	1125385	S/15699	MS	1	8270c	7/11/14	00:37	SN	
1/1125386d.d	1125386	S/15699	MSD	1	8270c	7/11/14	01:00	SN	
1/50100441037.d	50100441037	S/15699	SAMPLE	1	8270c	7/11/14	01:23	SN	
1/1125643b.d	1125643	L/15700	BLANK	1	8270c	7/11/14	01:45	SN	
1/1125644l.d	1125644	L/15700	LCS	1	8270c	7/11/14	02:08	SN	
1/50100441021.d	50100441021	L/15700	SAMPLE	1	8270c	7/11/14	02:30	SN	

File Path 1: \\192.168.50.6\chem\50MSS2.i\071014.b
Matrix Codes: [G]as, [L]iquid, [S]olid, [N]one
Report Date: 13:39 07/11/2014

CEM 7.11.14

SAMPLE NO.

TMW-1

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:13
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:13
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:13
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:13
7439-89-6	Iron	2770		ug/L	1	07/10/2014 12:13
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:13
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:13
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:13

SAMPLE NO.

TMW-2

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:16
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:16
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:16
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:16
7439-89-6	Iron	1430		ug/L	1	07/10/2014 12:16
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:16
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:16
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:16

SAMPLE NO.

TMW-3

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:24
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:24
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:24
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:24
7439-89-6	Iron	326		ug/L	1	07/10/2014 12:24
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:24
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:24
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:24

SAMPLE NO.

TMW-4

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:27
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:27
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:27
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:27
7439-89-6	Iron	1550		ug/L	1	07/10/2014 12:27
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:27
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:27
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:27

SAMPLE NO.

TMW-5

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:29
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:29
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:29
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:29
7439-89-6	Iron	1960		ug/L	1	07/10/2014 12:29
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:29
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:29
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:29

SAMPLE NO.

TMW-6

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:32
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:32
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:32
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:32
7439-89-6	Iron	273		ug/L	1	07/10/2014 12:32
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:32
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:32
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:32

SAMPLE NO.

TMW-7

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317007 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:35
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:35
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:35
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:35
7439-89-6	Iron	911		ug/L	1	07/10/2014 12:35
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:35
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:35
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:35

SAMPLE NO.

TMW-8

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:38
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:38
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:38
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:38
7439-89-6	Iron	1640		ug/L	1	07/10/2014 12:38
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:38
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:38
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:38

SAMPLE NO.

TMW-9

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 12:41
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 12:41
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 12:41
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 12:41
7439-89-6	Iron	911		ug/L	1	07/10/2014 12:41
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 12:41
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 12:41
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 12:41

SAMPLE NO.

TMW-10

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317010 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 13:02
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 13:02
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 13:02
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 13:02
7439-89-6	Iron	711		ug/L	1	07/10/2014 13:02
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 13:02
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 13:02
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 13:02

SAMPLE NO.

GW-Dupe

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317011 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 13:05
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 13:05
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 13:05
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 13:05
7439-89-6	Iron	287		ug/L	1	07/10/2014 13:05
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 13:05
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 13:05
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 13:05

SAMPLE NO.

GW EQ Blank

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317012 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 13:08
7440-38-2	Arsenic	ND	U	ug/L	1	07/10/2014 13:08
7440-47-3	Chromium	ND	U	ug/L	1	07/10/2014 13:08
7440-48-4	Cobalt	ND	U	ug/L	1	07/10/2014 13:08
7439-89-6	Iron	ND	U	ug/L	1	07/10/2014 13:08
7439-92-1	Lead	ND	U	ug/L	1	07/10/2014 13:08
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 13:08
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 13:08

SAMPLE NO.

S-A IDW

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7440-36-0	Antimony	ND	U	ug/L	1	07/10/2014 13:14
7440-38-2	Arsenic	22.5		ug/L	1	07/10/2014 13:14
7440-41-7	Beryllium	ND	U	ug/L	1	07/10/2014 13:14
7440-43-9	Cadmium	ND	U	ug/L	1	07/10/2014 13:14
7440-47-3	Chromium	72.1		ug/L	1	07/10/2014 13:14
7440-50-8	Copper	67.7		ug/L	1	07/10/2014 13:14
7439-92-1	Lead	27.6		ug/L	1	07/10/2014 13:14
7440-02-0	Nickel	37.5		ug/L	1	07/10/2014 13:14
7782-49-2	Selenium	ND	U	ug/L	1	07/10/2014 13:14
7440-28-0	Thallium	ND	U	ug/L	1	07/10/2014 13:14
7440-66-6	Zinc	200		ug/L	1	07/10/2014 13:14

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Initial Calibration Verification Source: 72100

Continuing Calibration Verification Source: 72101

Concentration Units: ug/L Instrument ID: 50ICP2

	Initial Calibration Verification				Continuing Calibration Verification						
	07/10/2014 10:29				07/10/2014 11:11			07/10/2014 11:43			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Antimony	1000	1000	100.1	90-110	1000	1000	100.5	1000	1000	100.2	90-110
Arsenic	1000	1020	101.6	90-110	1000	1020	101.8	1000	1020	101.5	90-110
Beryllium	1000	984	98.4	90-110	1000	989	98.9	1000	981	98.1	90-110
Cadmium	1000	964	96.4	90-110	1000	965	96.5	1000	964	96.4	90-110
Chromium	1000	986	98.6	90-110	1000	994	99.4	1000	982	98.2	90-110
Cobalt	1000	967	96.7	90-110	1000	966	96.6	1000	963	96.3	90-110
Copper	1000	942	94.2	90-110	1000	950	95.0	1000	946	94.6	90-110
Iron	10000	9870	98.7	90-110	10000	9960	99.6	10000	9890	98.9	90-110
Lead	1000	938	93.8	90-110	1000	936	93.6	1000	933	93.3	90-110
Nickel	1000	981	98.1	90-110	1000	982	98.2	1000	978	97.8	90-110
Selenium	1000	992	99.2	90-110	1000	987	98.7	1000	982	98.2	90-110
Thallium	1000	942	94.2	90-110	1000	941	94.1	1000	936	93.6	90-110
Zinc	1000	985	98.5	90-110	1000	987	98.7	1000	983	98.3	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 72101

Concentration Units: ug/L Instrument ID: 50ICP2

	Continuing Calibration Verification									
	07/10/2014 12:18			07/10/2014 12:52			07/10/2014 13:28			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Antimony	1000	999	99.9	1000	992	99.2	1000	994	99.4	90-110
Arsenic	1000	1010	101.3	1000	1000	100.5	1000	1010	100.6	90-110
Beryllium	1000	984	98.4	1000	984	98.4	1000	980	98.0	90-110
Cadmium	1000	962	96.2	1000	957	95.7	1000	957	95.7	90-110
Chromium	1000	986	98.6	1000	988	98.8	1000	991	99.1	90-110
Cobalt	1000	964	96.4	1000	961	96.1	1000	961	96.1	90-110
Copper	1000	942	94.2	1000	943	94.3	1000	945	94.5	90-110
Iron	10000	9860	98.6	10000	9860	98.6	10000	9940	99.4	90-110
Lead	1000	932	93.2	1000	922	92.2	1000	934	93.4	90-110
Nickel	1000	981	98.1	1000	978	97.8	1000	974	97.4	90-110
Selenium	1000	984	98.4	1000	972	97.2	1000	978	97.8	90-110
Thallium	1000	932	93.2	1000	923	92.3	1000	934	93.4	90-110
Zinc	1000	984	98.4	1000	980	98.0	1000	983	98.3	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72081 Analysis Date/Time: 07/10/2014 10:34

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.8	146.9	50-150
Arsenic	10.0	9.7	96.9	50-150
Beryllium	4.0	4.3	106.7	50-150
Cadmium	2.0	2.1	106.6	50-150
Chromium	10.0	10.3	102.8	50-150
Cobalt	10.0	10.1	101.0	50-150
Copper	10.0	9.8	98.5	50-150
Iron	100	114	114.4	50-150
Lead	10.0	11.4	113.7	50-150
Nickel	10.0	10.2	102.1	50-150
Selenium	10.0	10.8	107.9	50-150
Thallium	10.0	11.3	112.7	50-150
Zinc	20	25.4	127.0	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72081 Analysis Date/Time: 07/10/2014 11:49

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.0	133.9	50-150
Arsenic	10.0	10.7	106.6	50-150
Beryllium	4.0	4.2	105.8	50-150
Cadmium	2.0	2.1	102.6	50-150
Chromium	10.0	10	99.7	50-150
Cobalt	10.0	10.0	100.2	50-150
Copper	10.0	9.9	98.7	50-150
Iron	100	120	119.8	50-150
Lead	10.0	11.1	111.1	50-150
Nickel	10.0	10.6	105.9	50-150
Selenium	10.0	9.0	90.3	50-150
Thallium	10.0	9.2	91.6	50-150
Zinc	20	25.2	126.2	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72081 Analysis Date/Time: 07/10/2014 12:57

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Antimony	6.0	8.2	137.0	50-150
Arsenic	10.0	12.0	119.8	50-150
Beryllium	4.0	4.3	107.3	50-150
Cadmium	2.0	2.1	106.6	50-150
Chromium	10.0	10.5	104.6	50-150
Cobalt	10.0	10.1	100.8	50-150
Copper	10.0	9.8	97.9	50-150
Iron	100	113	112.8	50-150
Lead	10.0	10.8	107.5	50-150
Nickel	10.0	10.4	104.4	50-150
Selenium	10.0	11.7	117.3	50-150
Thallium	10.0	10.1	100.9	50-150
Zinc	20	26.6	132.8	50-150

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Water Instrument ID: 50ICP2

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	07/10/2014 10:31	C	07/10/2014 11:14	C	07/10/2014 11:46	C	07/10/2014 12:21	C	1123973	C
Antimony	5.6	J	4.7	J	5.1	J	6.0		ND	U
Arsenic	5.0	U	5.0	U	5.0	U	5.0	U	ND	U
Beryllium	2.0	U	2.0	U	2.0	U	2.0	U	ND	U
Cadmium	1.0	U	1.0	U	1.0	U	1.0	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
Copper	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
Nickel	5.0	U	5.0	U	5.0	U	5.0	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
Zinc	10.0	U	10.0	U	10.0	U	10.0	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Instrument ID: 50ICP2

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	07/10/2014 12:54	C	07/10/2014 13:30	C		C
Antimony			6.0		4.8	J		
Arsenic			5.0	U	5.0	U		
Beryllium			2.0	U	2.0	U		
Cadmium			1.0	U	1.0	U		
Chromium			5.0	U	5.0	U		
Cobalt			5.0	U	5.0	U		
Copper			5.0	U	5.0	U		
Iron			50.0	U	50.0	U		
Lead			4.0	U	4.0	U		
Nickel			5.0	U	5.0	U		
Selenium			5.0	U	5.0	U		
Thallium			5.0	U	5.0	U		
Zinc			10.0	U	10.0	U		

FORM IV INORGANIC-1
INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Instrument ID: 50ICP2 Solution A Run Date: 07/10/2014 10:37

ICS Source: 72102,72103 Solution AB Run Date: 07/10/2014 10:40

Concentration Units: ug/L

Analyte	True		Found				
	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Limits
Aluminum	500000	500000	399100	79.8	397100	79.4	80-120
Antimony		500	1.896		490.1	98	80-120
Arsenic		500	-6.95		530.3	106.1	80-120
Beryllium		500	0.1204		489.7	97.9	80-120
Cadmium		500	3.505		497.6	99.5	80-120
Calcium	500000	500000	430300	86.1	432700	86.5	80-120
Chromium		500	1.713		485	97	80-120
Cobalt		500	-1.228		442.6	88.5	80-120
Copper		500	4.975		495	99	80-120
Iron	200000	200000	183600	91.8	184100	92.1	80-120
Lead		500	-7.827		412.1	82.4	80-120
Magnesium	500000	500000	464500	92.9	468700	93.7	80-120
Nickel		500	-2.61		443	88.6	80-120
Selenium		500	2.388		505.2	101	80-120
Thallium		500	-7.135		400	80	80-120
Zinc		500	-3.898		469.1	93.8	80-120

SAMPLE NO.

1123975MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Basis: Wet Parent Sample ID: TMW-9

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1020	ND	1000	102
Arsenic	ug/L	75-125	1050	ND	1000	105
Beryllium	ug/L	75-125	1010	ND	1000	101
Cadmium	ug/L	75-125	975	ND	1000	98
Chromium	ug/L	75-125	1000	ND	1000	100
Cobalt	ug/L	75-125	950	ND	1000	95
Copper	ug/L	75-125	965	ND	1000	96
Iron	ug/L	75-125	10900	911	10000	100
Lead	ug/L	75-125	909	ND	1000	91
Nickel	ug/L	75-125	967	ND	1000	96
Selenium	ug/L	75-125	1000	ND	1000	100
Thallium	ug/L	75-125	882	ND	1000	88
Zinc	ug/L	75-125	983	ND	1000	97

SAMPLE NO.

1123976MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Basis: Wet Parent Sample ID: TMW-9

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1020	ND	1000	102
Arsenic	ug/L	75-125	1060	ND	1000	106
Beryllium	ug/L	75-125	1020	ND	1000	102
Cadmium	ug/L	75-125	979	ND	1000	98
Chromium	ug/L	75-125	1000	ND	1000	100
Cobalt	ug/L	75-125	956	ND	1000	95
Copper	ug/L	75-125	968	ND	1000	97
Iron	ug/L	75-125	10800	911	10000	99
Lead	ug/L	75-125	914	ND	1000	91
Nickel	ug/L	75-125	972	ND	1000	97
Selenium	ug/L	75-125	1010	ND	1000	101
Thallium	ug/L	75-125	890	ND	1000	89
Zinc	ug/L	75-125	988	ND	1000	98

SAMPLE NO.

1125438PDS

FORM V INORGANIC-1

POST-DIGESTION SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Parent Sample ID: TMW-9

Analyte	Units	Control Limit %R	DF	Spiked Sample Result (SSR)	DF	Sample Result (SR)	Spike Added (SA)	%R
Antimony	ug/L	75-125	1	972	1	3.0U	1000	97.2
Arsenic	ug/L	75-125	1	1000	1	5.0U	1000	100.3
Beryllium	ug/L	75-125	1	962	1	2.0U	1000	96.2
Cadmium	ug/L	75-125	1	936	1	1.0U	1000	93.6
Chromium	ug/L	75-125	1	960	1	5.0U	1000	96.0
Cobalt	ug/L	75-125	1	914	1	5.0U	1000	91.4
Copper	ug/L	75-125	1	924	1	5.0U	1000	92.4
Iron	ug/L	75-125	1	10400	1	911	10000	94.8
Lead	ug/L	75-125	1	869	1	4.0U	1000	86.9
Nickel	ug/L	75-125	1	930	1	5.7J	1000	92.4
Selenium	ug/L	75-125	1	963	1	5.0U	1000	96.3
Thallium	ug/L	75-125	1	855	1	5.0U	1000	85.5
Zinc	ug/L	75-125	1	944	1	10.0U	1000	94.4

SAMPLE NO.

1123976MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Antimony	20	1020	1020	1
Arsenic	20	1050	1060	1
Beryllium	20	1010	1020	1
Cadmium	20	975	979	0
Chromium	20	1000	1000	0
Cobalt	20	950	956	1
Copper	20	965	968	0
Iron	20	10900	10800	1
Lead	20	909	914	1
Nickel	20	967	972	1
Selenium	20	1000	1010	0
Thallium	20	882	890	1
Zinc	20	983	988	1

SAMPLE NO.

1123974LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Antimony	ug/L	1000	1010	101	80	120
Arsenic	ug/L	1000	1010	101	80	120
Beryllium	ug/L	1000	993	99	80	120
Cadmium	ug/L	1000	963	96	80	120
Chromium	ug/L	1000	987	99	80	120
Cobalt	ug/L	1000	966	97	80	120
Copper	ug/L	1000	951	95	80	120
Iron	ug/L	10000	9890	99	80	120
Lead	ug/L	1000	934	93	80	120
Nickel	ug/L	1000	977	98	80	120
Selenium	ug/L	1000	987	99	80	120
Thallium	ug/L	1000	928	93	80	120
Zinc	ug/L	1000	981	98	80	120

SAMPLE NO.

1125439SD

FORM VIII INORGANIC-1
SERIAL DILUTIONS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Parent Sample ID: TMW-9

Analyte	Units	Initial Sample Result	Serial Dilution Result	% Difference	Control Limit %D
Antimony	ug/L	3.0U	21.4J		10
Arsenic	ug/L	5.0U	25.0U		10
Beryllium	ug/L	2.0U	10.0U		10
Cadmium	ug/L	1.0U	5.0U		10
Chromium	ug/L	5.0U	25.0U		10
Cobalt	ug/L	5.0U	25.0U		10
Copper	ug/L	5.0U	25.0U		10
Iron	ug/L	911	932	2.2	10
Lead	ug/L	4.0U	20.0U		10
Nickel	ug/L	5.7J	25.0U		10
Selenium	ug/L	5.0U	25.0U		10
Thallium	ug/L	5.0U	25.0U		10
Zinc	ug/L	10.0U	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. : 50100317 Contract: Sibley - Accucast

Instrument ID: 50ICP2 Analysis Method: EPA 6010

Start Date: 07/10/2014 10:06 End Date: 07/10/2014 13:30

Sample Name	Lab Sample ID	D/F	Date	Time	As	Be	Cd	Co	Cr	Cu	Fe	Ni	Pb	Sb	Se	Tl	Zn
6946802CAL0	6946802CAL0	1	07/10/2014	10:06	X	X	X	X	X	X	X	X	X	X	X	X	X
6946803CAL1	6946803CAL1	1	07/10/2014	10:09		X	X						X		X		X
6946804CAL2	6946804CAL2	1	07/10/2014	10:12				X		X	X						
6946805CAL3	6946805CAL3	1	07/10/2014	10:15	X												
6946806CAL4	6946806CAL4	1	07/10/2014	10:18					X			X					
6946807CAL5	6946807CAL5	1	07/10/2014	10:20										X		X	
6946810ICV	6946810ICV	1	07/10/2014	10:29	X	X	X	X	X	X	X	X	X	X	X	X	X
6946811ICB	6946811ICB	1	07/10/2014	10:31	X	X	X	X	X	X	X	X	X	X	X	X	X
6946812CRDL	6946812CRDL	1	07/10/2014	10:34	X	X	X	X	X	X	X	X	X	X	X	X	X
6946813ICSA	6946813ICSA	1	07/10/2014	10:37	X	X	X	X	X	X	X	X	X	X	X	X	X
6946814ICSAB	6946814ICSAB	1	07/10/2014	10:40	X	X	X	X	X	X	X	X	X	X	X	X	X
6946816CCV	6946816CCV	1	07/10/2014	11:11	X	X	X	X	X	X	X	X	X	X	X	X	X
6946817CCB	6946817CCB	1	07/10/2014	11:14	X	X	X	X	X	X	X	X	X	X	X	X	X
6946819CCV	6946819CCV	1	07/10/2014	11:43	X	X	X	X	X	X	X	X	X	X	X	X	X
6946820CCB	6946820CCB	1	07/10/2014	11:46	X	X	X	X	X	X	X	X	X	X	X	X	X
6946821CRDL	6946821CRDL	1	07/10/2014	11:49	X	X	X	X	X	X	X	X	X	X	X	X	X
1123973BLANK	1123973	1	07/10/2014	12:07	X	X	X	X	X	X	X	X	X	X	X	X	X
1123974LCS	1123974	1	07/10/2014	12:10	X	X	X	X	X	X	X	X	X	X	X	X	X
TMW-1	50100317001	1	07/10/2014	12:13	X			X	X		X		X	X	X	X	
TMW-2	50100317002	1	07/10/2014	12:16	X			X	X		X		X	X	X	X	
6950099CCV	6950099CCV	1	07/10/2014	12:18	X	X	X	X	X	X	X	X	X	X	X	X	X
6950100CCB	6950100CCB	1	07/10/2014	12:21	X	X	X	X	X	X	X	X	X	X	X	X	X
TMW-3	50100317003	1	07/10/2014	12:24	X			X	X		X		X	X	X	X	
TMW-4	50100317004	1	07/10/2014	12:27	X			X	X		X		X	X	X	X	
TMW-5	50100317005	1	07/10/2014	12:29	X			X	X		X		X	X	X	X	
TMW-6	50100317006	1	07/10/2014	12:32	X			X	X		X		X	X	X	X	
TMW-7	50100317007	1	07/10/2014	12:35	X			X	X		X		X	X	X	X	
TMW-8	50100317008	1	07/10/2014	12:38	X			X	X		X		X	X	X	X	
TMW-9	50100317009	1	07/10/2014	12:41	X			X	X		X		X	X	X	X	
1125438PDS	1125438	1	07/10/2014	12:44	X	X	X	X	X	X	X	X	X	X	X	X	X
1125439SD	1125439	1	07/10/2014	12:46	X	X	X	X	X	X	X	X	X	X	X	X	X
1123975MS	1123975	1	07/10/2014	12:49	X	X	X	X	X	X	X	X	X	X	X	X	X
6950140CCV	6950140CCV	1	07/10/2014	12:52	X	X	X	X	X	X	X	X	X	X	X	X	X
6950141CCB	6950141CCB	1	07/10/2014	12:54	X	X	X	X	X	X	X	X	X	X	X	X	X
6950142CRDL	6950142CRDL	1	07/10/2014	12:57	X	X	X	X	X	X	X	X	X	X	X	X	X
1123976MSD	1123976	1	07/10/2014	13:00	X	X	X	X	X	X	X	X	X	X	X	X	X
TMW-10	50100317010	1	07/10/2014	13:02	X			X	X		X		X	X	X	X	
GW-Dupe	50100317011	1	07/10/2014	13:05	X			X	X		X		X	X	X	X	
GW EQ Blank	50100317012	1	07/10/2014	13:08	X			X	X		X		X	X	X	X	
S-A IDW	50100317014	1	07/10/2014	13:14	X	X	X		X	X		X	X	X	X	X	X
6950143CCV	6950143CCV	1	07/10/2014	13:28	X	X	X	X	X	X	X	X	X	X	X	X	X
6950144CCB	6950144CCB	1	07/10/2014	13:30	X	X	X	X	X	X	X	X	X	X	X	X	X

Sample Name: CAL0 Acquired: 7/10/2014 10:06:48 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0018**	**.0020**	**-.0001**	**.0001**	**.0023**	**-.0003**
Stddev	.0001	.0000	.0000	.0000	.0000	.0001
%RSD	2.885	2.036	73.41	8.804	1.954	19.90
#1	-.0018	.0020	-.0001	.0001	.0023	-.0003
#2	-.0019	.0020	.0000	.0001	.0023	-.0002

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0023**	**.0003**	**.0000**	**.0000**	**.0026**	**.0000**
Stddev	.0001	.0000	.000	.0000	.0000	.000
%RSD	2.981	14.18	76.34	822.7	1.028	151.4
#1	-.0023	.0003	-.0001	.0000	.0026	.0000
#2	-.0022	.0003	.0000	.0000	.0026	.0000

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0030**	**.0000**	**.0001**	**.0001**	**.0010**	**.0000**
Stddev	.0003	.000	.0000	.0000	.0000	.000
%RSD	9.535	48.72	16.06	21.41	2.536	165.0
#1	-.0028	.0000	.0001	.0001	.0010	.0000
#2	-.0032	.0000	.0001	.0001	.0010	-.0001

Sample Name: CAL0 Acquired: 7/10/2014 10:06:48 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0001	.0012	.0000	.0000	-.0004
Stddev	.0000	.0000	.0000	.0000	.000	.0001
%RSD	2.653	28.76	2.732	185.2	110.1	19.58
#1	.0001	.0001	.0012	.0000	.0000	-.0003
#2	.0001	.0001	.0012	.0000	-.0001	-.0004

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0001	.0004	-.0005	.0000	-.0026
Stddev	.0000	.0000	.0005	.000	.0000
%RSD	7.566	5.044	88.76	975.5	.1381
#1	.0001	.0004	-.0009	.0002	-.0026
#2	.0001	.0004	-.0002	-.0002	-.0026

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	12136.	148920.	20267.
Stddev	5.	1058.	904.
%RSD	.04184	.71025	4.4625
#1	12140.	148180.	19627.
#2	12132.	149670.	20906.

Sample Name: CAL1 Acquired: 7/10/2014 10:09:37 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Be3130	Cd2288	Mn2576	Pb2203	Se1960	Zn2062
Line	313.042 {108}	228.802 {447}	257.610 {131}	220.353 {453}	196.090 {472}	206.200 {463}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.272	2.218	.8330	1.032	.1286	1.531
Stddev	.005	.013	.0043	.005	.0008	.006
%RSD	.3661	.5614	.5208	.5172	.6174	.4209
#1	1.268	2.209	.8300	1.028	.1281	1.527
#2	1.275	2.227	.8361	1.036	.1292	1.536

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	12090.	148120.	20552.
Stddev	5.	259.	26.
%RSD	.04204	.17514	.12470
#1	12086.	148300.	20534.
#2	12093.	147930.	20570.

Sample Name: CAL2 Acquired: 7/10/2014 10:12:34 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ba4554	Co2286	Cu3247	Fe2714	V_2924	Sr4077
Line	455.403 { 74}	228.616 {447}	324.754 {104}	271.441 {124}	292.464 {115}	407.771 { 83}
IS Ref	(Y_3710)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.281	.4518	.1399	.3621	.0537	2.248
Stddev	.004	.0016	.0001	.0013	.0001	.008
%RSD	.2902	.3628	.0495	.3654	.1658	.3596
#1	1.279	.4506	.1399	.3612	.0536	2.242
#2	1.284	.4529	.1400	.3631	.0538	2.253

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	11989.	147360.	20331.
Stddev	11.	489.	170.
%RSD	.08829	.33166	.83444
#1	11996.	147010.	20211.
#2	11981.	147700.	20451.

Sample Name: CAL3 Acquired: 7/10/2014 10:15:20 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	As1890	Mo2020	Si2881
Line	189.042 {478}	202.030 {467}	288.158 {117}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)
Units	Cts/S	Cts/S	Cts/S
Avg	.3592	.5805	.2128
Stddev	.0018	.0036	.0006
%RSD	.4952	.6153	.2891
#1	.3579	.5779	.2123
#2	.3604	.5830	.2132

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	12344.	151640.
Stddev	22.	520.
%RSD	.18106	.34310
#1	12360.	151270.
#2	12328.	152010.

Sample Name: CAL4 Acquired: 7/10/2014 10:18:07 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Al3082	Ca3158	Cr2677	K_7664	Ni2316	Na5895
Line	308.215 {109}	315.887 {107}	267.716 {126}	766.490 { 44}	231.604 {446}	589.592 { 57}
IS Ref	(Y_3600)	(Y_3600)	(Y_3600)	(Y_3710)	(Y_2243)	(Y_3710)
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.1662	2.494	.0691	.3535	.2797	.5287
Stddev	.0015	.004	.0001	.0024	.0004	.0035
%RSD	.9007	.1770	.1979	.6849	.1481	.6662
#1	.1652	2.491	.0690	.3517	.2794	.5262
#2	.1673	2.497	.0692	.3552	.2800	.5311

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	11769.	142960.	20323.
Stddev	4.	344.	15.
%RSD	.03350	.24052	.07585
#1	11766.	142720.	20334.
#2	11771.	143210.	20312.

Sample Name: CAL5 Acquired: 7/10/2014 10:20:58 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	B_2496	Mg2790	Sb2068	Tl1908
Line	249.678 {135}	279.079 {121}	206.833 {463}	190.856 {477}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.0459	.1702	.2126	.2319
Stddev	.0002	.0011	.0005	.0005
%RSD	.4192	.6631	.2291	.2162
#1	.0458	.1694	.2123	.2315
#2	.0460	.1710	.2130	.2322

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	12121.	148270.
Stddev	13.	485.
%RSD	.11065	.32744
#1	12112.	148610.
#2	12131.	147920.

Sample Name: CAL6 Acquired: 7/10/2014 10:23:44 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
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	.8813	2.853	.4764
Stddev	.0033	.018	.0008
%RSD	.3732	.6344	.1607
#1	.8790	2.866	.4759
#2	.8836	2.840	.4770

Int. Std.	Y_2243	Y_3600
Line	224.306 {450}	360.073 { 94}
Units	Cts/S	Cts/S
Avg	12136.	149400.
Stddev	9.	8.
%RSD	.07236	.00507
#1	12130.	149390.
#2	12142.	149410.

Sample Name: CAL7 Acquired: 7/10/2014 10:26:39 Type: Cal
Method: method build ASXpress(v52) Mode: IR Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280
Line	328.068 {103}
IS Ref	(Y_3600)
Units	Cts/S
Avg	.2241
Stddev	.0000
%RSD	.0212
#1	.2241
#2	.2241
Int. Std.	Y_3600
Line	360.073 { 94}
Units	Cts/S
Avg	143380.
Stddev	597.
%RSD	.41630
#1	142960.
#2	143800.

Sample Name: ICV Acquired: 7/10/2014 10:29:26 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**466.8**	**9706.**	**1016.**	**987.0**	**966.4**	**983.5**
Stddev	1.0	39.	7.	3.2	2.5	1.4
%RSD	.2243	.4019	.6634	.3258	.2550	.1417
#1	466.1	9678.	1011.	984.8	964.6	982.6
#2	467.6	9734.	1021.	989.3	968.1	984.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9854.**	**963.6**	**966.7**	**986.5**	**942.0**	**9873.**
Stddev	30.	4.8	4.4	4.6	7.4	22.
%RSD	.3048	.4990	.4579	.4713	.7831	.2250
#1	9833.	960.2	963.5	983.2	936.8	9858.
#2	9876.	967.0	969.8	989.8	947.2	9889.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 7/10/2014 10:29:26 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9867.**	**9669.**	**960.0**	**1024.**	**980.8**	**938.4**
Stddev	50.	13.	4.2	3.	3.0	.9
%RSD	.5024	.1331	.4361	.3313	.3054	.0943
#1	9832.	9660.	957.1	1021.	978.7	937.8
#2	9902.	9678.	963.0	1026.	982.9	939.1
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	**1001.**	**991.6**	**4593.**	**998.4**	**1024.**	**941.7**
Stddev	5.	5.7	43.	3.0	7.	2.5
%RSD	.4565	.5757	.9456	.3037	.6727	.2634
#1	998.0	987.5	4562.	996.3	1019.	940.0
#2	1004.	995.6	4623.	1001.	1029.	943.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: ICV Acquired: 7/10/2014 10:29:26 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1016.	985.2	9732.	963.7	1006.
Stddev	6.	2.6	13.	2.4	3.
%RSD	.6199	.2616	.1382	.2442	.3234
#1	1012.	983.3	9723.	962.0	1004.
#2	1021.	987.0	9742.	965.3	1009.
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	11807.	143920.	20077.
Stddev	8.	414.	24.
%RSD	.06597	.28798	.11965
#1	11812.	144210.	20060.
#2	11801.	143620.	20094.

Sample Name: ICB Acquired: 7/10/2014 10:31:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3119	-5.191	-.4925	.9051	-.1518	.1521
Stddev	.3017	.122	.4816	.8287	.0692	.0630
%RSD	96.73	2.342	97.79	91.55	45.58	41.40
#1	-.0986	-5.105	-.8330	.3192	-.2007	.1076
#2	-.5253	-5.277	-.1519	1.491	-.1029	.1967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.138	-.0024	.1237	-.0580	-.5415	.6358
Stddev	.633	.0612	.0382	.0441	.2992	.2944
%RSD	10.32	2594.	30.86	75.94	55.26	46.30
#1	-6.586	.0409	.0967	-.0269	-.3299	.8440
#2	-5.690	-.0456	.1507	-.0892	-.7531	.4276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 7/10/2014 10:31:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	59.29	5.032	1.368	2.995	-.1944	-.2462
Stddev	39.49	3.519	.041	.235	.2958	.2767
%RSD	66.61	69.94	3.019	7.844	152.2	112.4
#1	31.36	2.544	1.339	3.161	-.4035	-.4418
#2	87.21	7.521	1.397	2.829	.0148	-.0505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.592	-.3781	12.08	2.207	1.491	-.4334
Stddev	.651	.0633	2.21	.060	.026	.1973
%RSD	11.65	16.75	18.28	2.716	1.780	45.52
#1	5.131	-.3333	10.51	2.249	1.510	-.5729
#2	6.052	-.4229	13.64	2.164	1.473	-.2939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 7/10/2014 10:31:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3268	.9647	-10.64	-.1306	-.7755
Stddev	.6418	.0538	6.93	.0197	.3080
%RSD	196.4	5.572	65.14	15.11	39.71
#1	.7806	1.003	-5.739	-.1446	-.9933
#2	-.1271	.9266	-15.54	-.1167	-.5577
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	12119.	149020.	20091.
Stddev	.	882.	14.
%RSD	.00021	.59205	.07120
#1	12119.	149640.	20101.
#2	12119.	148400.	20080.

Sample Name: CRDL Acquired: 7/10/2014 10:34:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.312**	**227.1**	**9.692**	**112.0**	**9.941**	**4.269**
Stddev	.253	3.3	.001	2.4	.179	.095
%RSD	2.717	1.469	.0138	2.117	1.806	2.228
#1	9.133	229.5	9.691	113.7	10.07	4.337
#2	9.491	224.8	9.693	110.3	9.815	4.202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1124.**	**2.132**	**10.10**	**10.28**	**9.849**	**114.4**
Stddev	2.	.065	.07	.09	.001	.9
%RSD	.1984	3.046	.7092	.8699	.0067	.7506
#1	1126.	2.086	10.16	10.34	9.849	113.8
#2	1123.	2.178	10.05	10.22	9.849	115.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 10:34:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1191.**	**1115.**	**10.48**	**10.68**	**10.21**	**11.37**
Stddev	13.	1.	.05	.09	.09	1.35
%RSD	1.113	.1250	.4595	.8051	.9101	11.90
#1	1200.	1116.	10.45	10.62	10.15	10.41
#2	1182.	1114.	10.51	10.74	10.28	12.33
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	**8.813**	**10.79**	**214.1**	**12.03**	**11.33**	**11.27**
Stddev	.660	1.06	.7	.71	.12	.94
%RSD	7.486	9.871	.3218	5.934	1.097	8.375
#1	8.346	10.04	214.6	12.53	11.42	11.94
#2	9.279	11.55	213.6	11.52	11.24	10.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 10:34:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**11.03**	**25.41**	**1116.**	**10.09**	F **1142.**
Stddev	.43	.08	2.	.08	2.
%RSD	3.912	.2984	.1626	.7709	.1586
#1	10.73	25.46	1115.	10.04	1141.
#2	11.34	25.35	1117.	10.15	1143.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**12237.**	**150220.**	**20420.**
Stddev	11.	718.	75.
%RSD	.09329	.47808	.36973
#1	12229.	149710.	20367.
#2	12245.	150730.	20473.

Sample Name: ICSA Acquired: 7/10/2014 10:37:29 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-6.406	F 399100.	-6.950	-50.72	.5090	.1204
Stddev	.446	23.	.060	3.23	.2978	.1398
%RSD	6.969	.0057	.8646	6.365	58.52	116.2
#1	-6.722	399100.	-6.993	-48.43	.2984	.2193
#2	-6.090	399100.	-6.908	-53.00	.7196	.0215
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600000.				
Low Limit		400000.				

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	430300.	3.505	-1.228	1.713	4.975	183600.
Stddev	2355.	.148	.176	.232	.049	2023.
%RSD	.5472	4.234	14.36	13.54	.9874	1.102
#1	428700.	3.400	-1.353	1.877	5.009	182200.
#2	432000.	3.610	-1.103	1.549	4.940	185100.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 7/10/2014 10:37:29 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-68.54	464500.	3.644	-.9121	-2.610	-7.827
Stddev	10.90	2947.	.115	.2301	.388	.640
%RSD	15.90	.6343	3.161	25.23	14.85	8.178
#1	-60.84	462400.	3.562	-1.075	-2.336	-7.375
#2	-76.25	466600.	3.725	-.7494	-2.884	-8.280
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	1.896	2.388	43.55	.6633	2.802	-7.135
Stddev	.042	.092	1.79	.8389	.162	.205
%RSD	2.220	3.859	4.107	126.5	5.797	2.870
#1	1.866	2.323	42.29	1.256	2.916	-6.991
#2	1.925	2.453	44.82	.0700	2.687	-7.280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 7/10/2014 10:37:29 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**-5.348**	**-3.898**	**50.25**	**18.14**	**25.61**
Stddev	.821	.020	2.15	.03	.99
%RSD	15.35	.5196	4.272	.1769	3.883
#1	-4.767	-3.912	48.73	18.12	26.31
#2	-5.928	-3.883	51.77	18.16	24.91
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	**10492.**	**126230.**	**19386.**
Stddev	13.	635.	127.
%RSD	.12394	.50314	.65287
#1	10501.	126680.	19475.
#2	10483.	125780.	19296.

Sample Name: ICSAB Acquired: 7/10/2014 10:40:32 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**247.3**	F **397100.**	**530.3**	**456.0**	**500.7**	**489.7**
Stddev	.6	5659.	4.7	3.5	.0	1.4
%RSD	.2255	1.425	.8873	.7681	.0055	.2767
#1	247.0	393100.	527.0	458.5	500.8	488.7
#2	247.7	401100.	533.6	453.6	500.7	490.7
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		600000.				
Low Limit		400000.				

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**432700.**	**497.6**	**442.6**	**485.0**	**495.0**	**184100.**
Stddev	2195.	1.5	1.2	2.5	1.1	440.
%RSD	.5072	.2966	.2655	.5091	.2233	.2388
#1	431100.	496.6	441.8	483.2	494.3	183800.
#2	434200.	498.7	443.5	486.7	495.8	184400.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 7/10/2014 10:40:32 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-61.46**	**468700.**	**480.0**	**490.0**	**443.0**	**412.1**
Stddev	5.48	6694.	1.1	.7	.9	3.7
%RSD	8.919	1.428	.2350	.1412	.2047	.9068
#1	-57.59	463900.	479.2	489.5	442.4	409.5
#2	-65.34	473400.	480.8	490.5	443.6	414.8
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	**490.1**	**505.2**	**2102.**	**455.6**	**514.6**	**400.0**
Stddev	2.7	.3	16.	1.6	.2	1.6
%RSD	.5452	.0531	.7498	.3547	.0351	.4011
#1	488.2	505.4	2091.	454.5	514.4	398.9
#2	491.9	505.0	2113.	456.8	514.7	401.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 7/10/2014 10:40:32 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**499.4**	**469.1**	**61.78**	**509.5**	**537.7**
Stddev	.4	1.6	9.77	1.4	1.3
%RSD	.0861	.3474	15.82	.2822	.2339
#1	499.7	468.0	68.69	510.5	536.8
#2	499.1	470.3	54.87	508.4	538.6
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	**10469.**	**125370.**	**19166.**
Stddev	1.	268.	17.
%RSD	.00603	.21355	.08936
#1	10469.	125550.	19178.
#2	10468.	125180.	19154.

Sample Name: CCV Acquired: 7/10/2014 11:11:28 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**470.5**	**9907.**	**1018.**	**1005.**	**974.9**	**988.8**
Stddev	.6	135.	6.	4.	.5	.4
%RSD	.1252	1.364	.6261	.3993	.0541	.0427
#1	470.1	9812.	1013.	1002.	974.6	989.1
#2	470.9	10000.	1022.	1008.	975.3	988.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10020.**	**965.3**	**966.4**	**994.0**	**949.7**	**9956.**
Stddev	20.	4.8	5.3	1.6	6.8	30.
%RSD	.1979	.4969	.5535	.1595	.7187	.2986
#1	10040.	961.9	962.6	995.1	944.8	9977.
#2	10010.	968.7	970.1	992.9	954.5	9935.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 11:11:28 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9996.**	**9853.**	**967.8**	**1019.**	**982.4**	**935.6**
Stddev	26.	29.	1.7	6.	5.6	3.8
%RSD	.2630	.2941	.1721	.5548	.5750	.4082
#1	10010.	9873.	969.0	1015.	978.4	932.9
#2	9977.	9832.	966.6	1023.	986.4	938.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1005.**	**986.9**	**4698.**	**1004.**	**1027.**	**940.6**
Stddev	6.	.2	36.	4.	2.	8.0
%RSD	.5924	.0197	.7705	.3940	.2187	.8500
#1	1001.	986.7	4672.	1002.	1028.	935.0
#2	1009.	987.0	4724.	1007.	1025.	946.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 11:11:28 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1025.	986.6	F 8263.	973.0	1004.
Stddev	2.	2.9	5.	.4	3.
%RSD	.1612	.2914	.0654	.0428	.2881
#1	1026.	984.6	8260.	973.3	1002.
#2	1024.	988.7	8267.	972.7	1006.
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value			10000.		
Range			-10.00%		

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	11915.	144350.	19942.
Stddev	5.	758.	279.
%RSD	.04015	.52515	1.4011
#1	11918.	143810.	19745.
#2	11911.	144880.	20140.

Sample Name: CCB Acquired: 7/10/2014 11:14:00 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.4514	.3294	-.4773	1.684	.1069	.3014
Stddev	.0759	2.064	.5106	1.248	.4142	.0744
%RSD	16.81	626.7	107.0	74.13	387.7	24.69
#1	-.3977	1.789	-.8384	2.567	-.1861	.2488
#2	-.5050	-1.130	-.1163	.8012	.3998	.3540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	14.11	.0267	.0642	-.4822	-.1724	8.612
Stddev	.31	.0511	.0009	.1612	.0388	10.47
%RSD	2.164	190.9	1.379	33.44	22.49	121.6
#1	14.33	.0628	.0636	-.5962	-.1450	16.02
#2	13.90	-.0094	.0648	-.3682	-.1998	1.206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 11:14:00 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	36.12	.7747	.3473	2.771	.0274	.8168
Stddev	14.18	1.192	.0136	.111	.1006	.6381
%RSD	39.25	153.8	3.903	4.015	366.9	78.12
#1	26.09	-.0679	.3569	2.692	-.0437	.3656
#2	46.14	1.617	.3378	2.849	.0986	1.268
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	4.728	2.617	6.075	2.213	1.108	.3289
Stddev	.768	.204	1.272	.190	.130	.5104
%RSD	16.24	7.797	20.94	8.592	11.72	155.2
#1	4.185	2.472	5.175	2.079	1.200	.6899
#2	5.271	2.761	6.974	2.348	1.016	-.0320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 11:14:00 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.3151	.3337	259.8	-.0572	-2.188
Stddev	.1477	.0832	4.9	.0004	.291
%RSD	46.87	24.94	1.870	.6468	13.30
#1	.4196	.3925	263.2	-.0570	-1.982
#2	.2107	.2748	256.4	-.0575	-2.393
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	12171.	149940.	19898.
Stddev	10.	923.	65.
%RSD	.08057	.61574	.32842
#1	12178.	149290.	19945.
#2	12164.	150590.	19852.

Sample Name: CCV Acquired: 7/10/2014 11:43:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**470.8**	**9862.**	**1015.**	**996.6**	**966.7**	**980.8**
Stddev	1.1	82.	1.	2.4	5.7	3.8
%RSD	.2296	.8351	.0922	.2413	.5901	.3885
#1	471.6	9921.	1014.	998.3	962.7	978.1
#2	470.1	9804.	1016.	994.9	970.7	983.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9922.**	**964.0**	**962.6**	**982.5**	**945.8**	**9889.**
Stddev	22.	4.4	4.6	2.5	.8	20.
%RSD	.2197	.4568	.4737	.2583	.0890	.2014
#1	9907.	960.9	959.4	980.7	946.4	9875.
#2	9938.	967.1	965.9	984.3	945.2	9903.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 11:43:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9904.**	**9752.**	**961.2**	**1017.**	**978.3**	**933.1**
Stddev	33.	5.	3.1	4.	5.8	3.0
%RSD	.3375	.0511	.3257	.4387	.5910	.3246
#1	9880.	9755.	959.0	1014.	974.2	931.0
#2	9928.	9748.	963.4	1020.	982.3	935.2
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	**1002.**	**981.7**	**4659.**	**997.3**	**1020.**	**935.6**
Stddev	4.	3.1	12.	5.9	2.	3.0
%RSD	.3675	.3177	.2587	.5904	.2058	.3205
#1	999.9	979.5	4667.	993.1	1018.	933.5
#2	1005.	983.9	4650.	1001.	1021.	937.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 11:43:44 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1016.**	**982.7**	**9127.**	**965.2**	**1005.**
Stddev	5.	1.9	44.	4.4	2.
%RSD	.5070	.1946	.4864	.4575	.2000
#1	1013.	981.4	9095.	962.1	1004.
#2	1020.	984.1	9158.	968.3	1007.
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	**11940.**	**145340.**	**20123.**
Stddev	14.	238.	59.
%RSD	.11492	.16342	.29226
#1	11930.	145510.	20165.
#2	11950.	145170.	20081.

Sample Name: CCB Acquired: 7/10/2014 11:46:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.5068	1.058	.7724	2.505	.0071	.1995
Stddev	.0544	1.165	.1703	.946	.0756	.0555
%RSD	10.74	110.1	22.05	37.78	1064.	27.81
#1	-.4683	1.881	.6520	3.174	-.0464	.2388
#2	-.5453	.2343	.8929	1.835	.0606	.1603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	10.84	.0688	.0652	-.0967	-.5733	4.364
Stddev	.72	.0845	.1388	.3657	.0964	.643
%RSD	6.611	122.9	212.9	378.2	16.82	14.73
#1	11.35	.0090	.1633	.1619	-.5051	4.818
#2	10.34	.1285	-.0329	-.3553	-.6415	3.909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 11:46:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	30.43	.8109	.3349	2.739	-.0917	.5667
Stddev	11.08	1.245	.0238	.172	.1526	.0420
%RSD	36.41	153.5	7.103	6.290	166.4	7.417
#1	22.60	1.691	.3180	2.861	-.1995	.5370
#2	38.27	-.0692	.3517	2.617	.0162	.5965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	5.122	2.573	6.375	1.563	1.077	-.0210
Stddev	1.122	.964	.150	.127	.242	.2537
%RSD	21.91	37.47	2.353	8.106	22.43	1210.
#1	5.915	1.891	6.269	1.474	.9065	.1584
#2	4.329	3.254	6.481	1.653	1.248	-.2003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 11:46:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.5723	.4441	114.5	-.0170	-.9118
Stddev	.2928	.1211	3.0	.1003	.1474
%RSD	51.16	27.26	2.632	590.1	16.16
#1	.7794	.3585	116.7	-.0879	-1.016
#2	.3653	.5298	112.4	.0539	-.8076
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	12214.	149970.	20141.
Stddev	2.	228.	31.
%RSD	.01696	.15229	.15560
#1	12212.	149810.	20163.
#2	12215.	150130.	20119.

Sample Name: CRDL Acquired: 7/10/2014 11:49:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.195**	**223.9**	**10.66**	**112.5**	**10.21**	**4.234**
Stddev	.334	2.7	.01	1.4	.04	.058
%RSD	3.634	1.226	.1305	1.211	.4242	1.361
#1	8.959	225.9	10.67	111.5	10.24	4.274
#2	9.431	222.0	10.65	113.4	10.18	4.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1121.**	**2.051**	**10.02**	**9.966**	**9.870**	**119.8**
Stddev	4.	.119	.13	.190	.022	2.5
%RSD	.3337	5.788	1.253	1.907	.2247	2.108
#1	1124.	1.967	9.930	10.10	9.855	121.6
#2	1119.	2.135	10.11	9.832	9.886	118.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 11:49:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1140.**	**1110.**	**10.41**	**10.92**	**10.59**	**11.11**
Stddev	18.	2.	.09	.21	.27	.84
%RSD	1.606	.1780	.9025	1.957	2.596	7.523
#1	1153.	1109.	10.48	10.77	10.39	10.52
#2	1127.	1112.	10.34	11.08	10.78	11.70
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	**8.034**	**9.030**	**200.5**	**11.86**	**10.83**	**9.156**
Stddev	.491	1.989	3.3	.13	.18	.076
%RSD	6.117	22.02	1.622	1.085	1.668	.8274
#1	7.687	7.624	198.2	11.77	10.96	9.103
#2	8.382	10.44	202.8	11.95	10.70	9.210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 11:49:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	11.29	25.25	1136.	9.998	F 1133.
Stddev	.55	.10	6.	.057	1.
%RSD	4.876	.3841	.5594	.5685	.1090
#1	11.67	25.32	1131.	10.04	1132.
#2	10.90	25.18	1140.	9.958	1134.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	12252.	150890.	20213.
Stddev	43.	431.	3.
%RSD	.35179	.28585	.01677
#1	12222.	150590.	20211.
#2	12282.	151200.	20216.

Sample Name: CCV Acquired: 7/10/2014 12:18:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**466.3**	**9818.**	**1013.**	**988.6**	**974.3**	**984.3**
Stddev	.6	3.	4.	.2	3.4	.9
%RSD	.1196	.0345	.4178	.0217	.3439	.0902
#1	465.9	9815.	1010.	988.5	976.6	983.7
#2	466.7	9820.	1016.	988.8	971.9	985.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9904.**	**961.9**	**964.3**	**986.0**	**941.9**	**9864.**
Stddev	34.	1.3	2.9	5.3	.4	47.
%RSD	.3474	.1348	.3047	.5399	.0471	.4804
#1	9879.	961.0	962.3	982.2	941.5	9830.
#2	9928.	962.8	966.4	989.8	942.2	9897.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 12:18:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9998.**	**9701.**	**961.3**	**1017.**	**981.1**	**932.2**
Stddev	44.	36.	3.1	2.	.8	.4
%RSD	.4385	.3677	.3242	.2285	.0826	.0442
#1	10030.	9675.	959.0	1016.	980.6	931.9
#2	9967.	9726.	963.5	1019.	981.7	932.4
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	**999.2**	**983.9**	**4641.**	**999.7**	**1019.**	**932.3**
Stddev	1.3	5.6	22.	4.7	1.	.7
%RSD	.1337	.5648	.4711	.4714	.1180	.0753
#1	1000.	987.8	4626.	996.4	1019.	931.8
#2	998.2	980.0	4656.	1003.	1020.	932.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 12:18:57 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1018.**	**984.5**	**9459.**	**972.4**	**1004.**
Stddev	1.	3.8	.	3.1	4.
%RSD	.0673	.3884	.0034	.3239	.4157
#1	1018.	981.8	9459.	974.6	1001.
#2	1017.	987.2	9459.	970.1	1007.
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	**11987.**	**145900.**	**20071.**
Stddev	7.	2.	196.
%RSD	.05616	.00134	.97765
#1	11982.	145900.	19933.
#2	11991.	145900.	20210.

Sample Name: CCB Acquired: 7/10/2014 12:21:30 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3445	-7.359	.2772	2.978	.0781	.2418
Stddev	.4109	.459	2.787	.826	.4170	.1094
%RSD	119.3	6.238	1005.	27.73	533.9	45.26
#1	-.6350	-7.683	-1.693	3.562	-.2168	.1644
#2	-.0540	-7.034	2.248	2.394	.3730	.3192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.650	.0671	-.1312	-.0136	-.4024	7.908
Stddev	.319	.1393	.0743	.4726	.3686	1.826
%RSD	8.732	207.6	56.62	3463.	91.59	23.09
#1	3.875	-.0314	-.1837	.3205	-.6631	6.617
#2	3.425	.1656	-.0786	-.3478	-.1418	9.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 12:21:30 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41.42**	**2.999**	**.9567**	**2.525**	**.0126**	**.7893**
Stddev	6.01	1.971	.0025	.144	.1787	.7819
%RSD	14.52	65.72	.2576	5.699	1421.	99.07
#1	45.67	4.392	.9549	2.627	-.1138	1.342
#2	37.17	1.605	.9584	2.423	.1389	.2364
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 **6.049**	**.6319**	**8.526**	**1.983**	**.8147**	**-.3286**
Stddev	.321	1.489	.178	.060	.2962	.2092
%RSD	5.308	235.5	2.090	3.034	36.36	63.67
#1	6.276	1.684	8.400	2.026	1.024	-.4766
#2	5.822	-.4206	8.652	1.941	.6052	-.1806
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: 7/10/2014 12:21:30 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.6870	.8686	63.73	-.0422	-.7333
Stddev	.9371	.0366	12.41	.1761	.1799
%RSD	136.4	4.214	19.47	417.0	24.54
#1	.0244	.8945	54.96	.0823	-.6060
#2	1.350	.8427	72.51	-.1668	-.8605
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	12291.	151860.	20028.
Stddev	25.	1154.	54.
%RSD	.20298	.75986	.26725
#1	12274.	152680.	20066.
#2	12309.	151050.	19990.

Sample Name: CCV Acquired: 7/10/2014 12:52:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**465.9**	**9881.**	**1005.**	**998.9**	**975.5**	**983.5**
Stddev	.8	40.	1.	1.2	1.7	1.3
%RSD	.1692	.4055	.0776	.1183	.1713	.1368
#1	466.5	9909.	1005.	999.7	974.3	982.5
#2	465.3	9853.	1006.	998.0	976.7	984.4
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_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9911.**	**956.6**	**961.4**	**987.5**	**942.8**	**9858.**
Stddev	14.	3.9	2.5	1.2	3.4	34.
%RSD	.1447	.4051	.2648	.1228	.3567	.3481
#1	9901.	953.9	959.6	988.4	945.1	9834.
#2	9921.	959.4	963.2	986.6	940.4	9882.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 12:52:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	9971.	9690.	963.9	1013.	977.6	921.9
Stddev	29.	28.	.5	4.	1.2	2.2
%RSD	.2938	.2914	.0499	.3925	.1273	.2433
#1	9950.	9670.	964.2	1010.	976.7	920.3
#2	9992.	9710.	963.5	1016.	978.5	923.4
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	991.7	971.7	4698.	997.1	1022.	922.8
Stddev	.1	1.5	1.	5.8	1.	4.2
%RSD	.0122	.1541	.0215	.5776	.1289	.4512
#1	991.7	972.8	4697.	993.0	1023.	919.8
#2	991.8	970.7	4698.	1001.	1021.	925.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 12:52:04 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	1021.	980.2	9584.	974.6	996.5
Stddev	1.	3.0	21.	2.5	2.3
%RSD	.1272	.3016	.2157	.2524	.2349
#1	1022.	978.1	9569.	972.9	994.8
#2	1020.	982.3	9598.	976.3	998.1
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	12068.	146730.	20082.
Stddev	6.	146.	56.
%RSD	.05228	.09927	.27819
#1	12063.	146630.	20121.
#2	12072.	146830.	20042.

Sample Name: CCB Acquired: 7/10/2014 12:54:37 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3811	-5.928	.2619	2.990	-.0882	.2441
Stddev	.1775	1.006	.8004	.271	.2138	.0769
%RSD	46.57	16.97	305.6	9.076	242.4	31.52
#1	-.5066	-6.640	.8279	2.798	-.2393	.2985
#2	-.2556	-5.217	-.3040	3.181	.0630	.1897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	3.402	-.0109	-.0218	.0353	-.2329	8.366
Stddev	1.410	.0148	.1330	.1271	.2225	4.397
%RSD	41.46	136.0	610.4	360.5	95.54	52.56
#1	4.399	-.0004	-.1158	.1252	-.0755	5.256
#2	2.404	-.0214	.0722	-.0546	-.3902	11.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 12:54:37 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	109.3	1.539	.9582	2.945	.0306	-.2184
Stddev	32.4	1.454	.0472	.163	.3036	.1815
%RSD	29.64	94.50	4.924	5.533	990.9	83.13
#1	86.41	2.567	.9248	3.060	.2453	-.3467
#2	132.2	.5106	.9915	2.830	-.1840	-.0900
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 6.006	1.113	4.317	2.107	1.222	1.055
Stddev	1.055	.155	1.147	.445	.208	1.095
%RSD	17.56	13.93	26.56	21.12	17.03	103.7
#1	6.751	1.003	3.506	2.421	1.369	1.829
#2	5.260	1.222	5.128	1.792	1.075	.2810
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: 7/10/2014 12:54:37 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.9809	.8812	48.29	-.0129	-.7113
Stddev	.0499	.1090	.60	.0587	.2350
%RSD	5.090	12.37	1.245	453.5	33.04
#1	.9456	.8041	48.71	-.0545	-.5451
#2	1.016	.9583	47.86	.0286	-.8774
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	12302.	150700.	19951.
Stddev	56.	246.	41.
%RSD	.45492	.16335	.20700
#1	12342.	150880.	19922.
#2	12263.	150530.	19980.

Sample Name: CRDL Acquired: 7/10/2014 12:57:25 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9.086**	**219.5**	**11.98**	**111.6**	**10.16**	**4.292**
Stddev	.170	5.7	.94	.6	.00	.122
%RSD	1.871	2.580	7.808	.5143	.0334	2.851
#1	9.206	215.5	12.65	111.2	10.16	4.205
#2	8.966	223.5	11.32	112.0	10.16	4.378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1113.**	**2.131**	**10.08**	**10.46**	**9.794**	**112.8**
Stddev	5.	.103	.04	.05	.099	.3
%RSD	.4349	4.825	.3493	.4836	1.008	.2275
#1	1110.	2.204	10.06	10.50	9.724	113.0
#2	1117.	2.059	10.11	10.43	9.863	112.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 12:57:25 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1123.**	**1109.**	**10.52**	**10.81**	**10.44**	**10.75**
Stddev	8.	12.	.06	.36	.23	.38
%RSD	.6850	1.047	.5528	3.349	2.184	3.520
#1	1129.	1100.	10.47	11.07	10.28	10.49
#2	1118.	1117.	10.56	10.56	10.60	11.02
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	**8.217**	**11.73**	**197.3**	**11.75**	**10.87**	**10.09**
Stddev	.101	.66	3.2	1.03	.02	.36
%RSD	1.229	5.593	1.606	8.728	.1428	3.557
#1	8.145	12.19	195.1	11.03	10.88	10.34
#2	8.288	11.26	199.6	12.48	10.86	9.835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CRDL Acquired: 7/10/2014 12:57:25 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	10.98	26.57	1099.	9.905	F 1130.
Stddev	.11	.11	2.	.104	3.
%RSD	1.020	.4029	.1834	1.050	.2970
#1	10.90	26.64	1100.	9.831	1128.
#2	11.06	26.49	1097.	9.978	1132.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit					15.00
Low Limit					5.000

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	12288.	150900.	20190.
Stddev	19.	59.	144.
%RSD	.15782	.03926	.71313
#1	12274.	150860.	20088.
#2	12301.	150940.	20291.

Sample Name: CCV Acquired: 7/10/2014 13:28:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**468.1**	**9839.**	**1006.**	**998.2**	**969.4**	**979.7**
Stddev	1.7	57.	8.	1.4	.8	.4
%RSD	.3698	.5769	.7797	.1359	.0863	.0428
#1	466.9	9799.	1001.	997.3	969.9	980.0
#2	469.3	9879.	1012.	999.2	968.8	979.4
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_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9948.**	**956.7**	**961.0**	**991.4**	**945.4**	**9944.**
Stddev	80.	3.4	4.7	6.5	2.9	45.
%RSD	.8013	.3532	.4861	.6531	.3098	.4525
#1	9892.	954.4	957.7	986.8	943.4	9913.
#2	10000.	959.1	964.3	996.0	947.5	9976.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 13:28:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**9795.**	**9800.**	**962.8**	**1018.**	**974.4**	**933.8**
Stddev	60.	89.	5.8	3.	4.2	6.9
%RSD	.6091	.9044	.6076	.3317	.4277	.7344
#1	9838.	9738.	958.7	1015.	971.5	928.9
#2	9753.	9863.	967.0	1020.	977.4	938.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Elem	Sb2068	Se1960	Si2881	Sn1899	Ti3372	Tl1908
Line	206.833 {463}	196.090 {472}	288.158 {117}	189.989 {477}	337.280 {100}	190.856 {477}
IS Ref	(Y_2243)	(Y_2243)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**994.1**	**977.7**	**4962.**	**990.5**	**1021.**	**934.2**
Stddev	.1	2.7	40.	5.8	5.	3.9
%RSD	.0148	.2717	.7995	.5839	.4849	.4144
#1	994.0	979.6	4934.	986.4	1017.	931.4
#2	994.2	975.8	4990.	994.6	1024.	936.9
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Sample Name: CCV Acquired: 7/10/2014 13:28:17 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	**1016.**	**983.1**	**9079.**	**966.1**	**997.5**
Stddev	4.	5.5	24.	.7	.4
%RSD	.4308	.5588	.2688	.0675	.0425
#1	1013.	979.2	9062.	965.6	997.8
#2	1019.	987.0	9097.	966.5	997.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					
Range					

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**11984.**	**144890.**	**19971.**
Stddev	15.	1301.	81.
%RSD	.12503	.89755	.40344
#1	11973.	145810.	20028.
#2	11995.	143970.	19914.

Sample Name: CCB Acquired: 7/10/2014 13:30:49 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3130
Line	328.068 {103}	308.215 {109}	189.042 {478}	249.678 {135}	455.403 { 74}	313.042 {108}
IS Ref	(Y_3600)	(Y_3600)	(Y_2243)	(Y_3600)	(Y_3710)	(Y_3710)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	-.3586	-4.550	-.6653	3.252	.0210	.2386
Stddev	.2118	4.163	.8802	.513	.1562	.1157
%RSD	59.06	91.49	132.3	15.79	743.1	48.48
#1	-.2089	-1.606	-1.288	2.889	.1315	.3204
#2	-.5084	-7.493	-.0429	3.616	-.0895	.1568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca3158	Cd2288	Co2286	Cr2677	Cu3247	Fe2714
Line	315.887 {107}	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}
IS Ref	(Y_3600)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3600)	(Y_3600)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	2.866	-.0092	.0323	-.1065	.0304	6.835
Stddev	1.262	.0077	.0003	.3347	.1198	5.941
%RSD	44.05	84.01	1.077	314.3	393.6	86.93
#1	1.973	-.0037	.0321	.1302	-.0543	11.04
#2	3.758	-.0146	.0326	-.3432	.1151	2.634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 13:30:49 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	K_7664	Mg2790	Mn2576	Mo2020	Ni2316	Pb2203
Line	766.490 { 44}	279.079 {121}	257.610 {131}	202.030 {467}	231.604 {446}	220.353 {453}
IS Ref	(Y_3710)	(Y_3600)	(Y_3600)	(Y_2243)	(Y_2243)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**95.75**	**1.031**	**1.018**	**2.513**	**.1733**	**.5783**
Stddev	12.56	3.623	.004	.138	.0860	.8611
%RSD	13.11	351.5	.3947	5.503	49.62	148.9
#1	104.6	3.592	1.021	2.611	.2342	-.0305
#2	86.87	-1.531	1.016	2.415	.1125	1.187
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	**4.842**	**1.310**	**128.4**	**1.963**	**.9462**	**-.6258**
Stddev	.860	.599	1.1	.178	.0989	.3130
%RSD	17.77	45.74	.8180	9.061	10.45	50.01
#1	4.234	1.734	127.6	2.089	.8763	-.4045
#2	5.450	.8865	129.1	1.838	1.016	-.8471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB Acquired: 7/10/2014 13:30:49 Type: QC
Method: method build ASXpress(v52) Mode: CONC Corr. Factor: 1.000000
User: LLB 6010B: 50ICP2: :
Comment:

Elem	V_2924	Zn2062	Na5895	Sr4077	P_1774
Line	292.464 {115}	206.200 {463}	589.592 { 57}	407.771 { 83}	177.495 {490}
IS Ref	(Y_3600)	(Y_2243)	(Y_3710)	(Y_3710)	(Y_2243)
Units	ppb	ppb	ppb	ppb	ppb
Avg	.4471	.8996	100.9	-.1041	-.7949
Stddev	.7819	.0211	4.8	.0202	.2289
%RSD	174.9	2.340	4.738	19.43	28.80
#1	-.1058	.8847	104.3	-.0898	-.9567
#2	1.0000	.9145	97.56	-.1184	-.6330
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	12305.	150580.	20036.
Stddev	11.	713.	244.
%RSD	.09316	.47358	1.2202
#1	12297.	150070.	19863.
#2	12313.	151080.	20209.

Prep Log Report

Batch Information: MPRP 13728

Template Version: EF-IN-I-317(rev.00, 30Nov2011)

Prep Method	EPA 3010	Analysis Method	EPA 6010	Extracted By	BKK	Extracted By Date	07/08/2014 14:55:15:400
Block ID	7	Block Temp (C)	94	Correction Factor (C)	1.3	Corrected Temp. (C)	95.3
Thermometer ID	PT-174	Digestion Vessel Lot	69959	Batch Notes		Reviewed By	LLB
Reviewed By Date	07/10/2014 16:24						

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	6010-SPK (mL)
6010 W_P	BLANK	**1123973**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	LCS	**1123974**	Water	25	64423 (1.25)	70439 (1)	25		71782 (0.5)
6010 W_P	PS	**50100317001**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317002**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317003**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317004**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317005**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317006**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317007**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317008**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	RQS	**50100317009**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	MS	**1123975**	Water	25	64423 (1.25)	70439 (1)	25		71782 (0.5)
6010 W_P	MSD	**1123976**	Water	25	64423 (1.25)	70439 (1)	25		71782 (0.5)
6010 W_P	PS	**50100317010**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317011**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317012**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100322001**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100317014**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100322002**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100322003**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100322004**	Water	50	64423 (2.5)	70439 (2)	50		

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	Conc. HCL (mL)	Final Volume (mL)	Sample Notes	6010-SPK (mL)
6010 W_P	PS	**50100322005**	Water	50	64423 (2.5)	70439 (2)	50		
6010 W_P	PS	**50100360022**	Water	50	64423 (2.5)	70439 (2)	50		

Standard Notes:

71782: ICP-SPK

SAMPLE NO.

S-A IDW

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7439-97-6	Mercury	ND	U	ug/L	1	07/10/2014 12:44

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Initial Calibration Verification Source: 72114

Continuing Calibration Verification Source: 72111

Concentration Units: ug/L Instrument ID: 50HG02

	Initial Calibration Verification				Continuing Calibration Verification						
	07/10/2014 11:45				07/10/2014 12:11			07/10/2014 12:36			
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	Control Limit
Mercury	5.0	5.1	101.8	90-110	5.0	5.0	100.4	5.0	5.0	100.4	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 72111

Concentration Units: ug/L Instrument ID: 50HG02

	Continuing Calibration Verification									
	07/10/2014 13:03			07/10/2014 13:28			07/10/2014 13:54			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Mercury	5.0	5.0	100.8	5.0	5.1	101.4	5.0	5.1	101.4	90-110

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72108 Analysis Date/Time: 07/10/2014 11:49

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.20	100.0	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72108 Analysis Date/Time: 07/10/2014 12:40

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.21	103.0	50-150

FORM II INORGANIC-1

CRDL CHECK STANDARD

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

CRDL Check Standard Source: 72108 Analysis Date/Time: 07/10/2014 13:32

Concentration Units: ug/L

Analyte	CRDL Check Standard			
	True	Found	%R	Control Limit %R
Mercury	0.2	0.21	105.5	50-150

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Water Instrument ID: 50HG02

Method Blank Concentration Units: ug/L

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Method Blank	
	07/10/2014 11:47	C	07/10/2014 12:13	C	07/10/2014 12:38	C	07/10/2014 13:05	C	1124365	C
Mercury	1.0	U	1.0	U	1.0	U	1.0	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Instrument ID: 50HG02

Method Blank Concentration Units:

Analyte	Initial Calibration Blank		Continuing Calibration Blank (ug/L)					
		C	07/10/2014 13:30	C	07/10/2014 13:56	C		C
Mercury			1.0	U	1.0	U		

SAMPLE NO.

1124367MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Basis: Wet Parent Sample ID: 50100202001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	75-125	5.2	ND	5.0	104

SAMPLE NO.

1124368MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Basis: Wet Parent Sample ID: 50100202001

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Mercury	ug/L	75-125	5.1	ND	5.0	102

SAMPLE NO.

1124368MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Concentration Units: ug/L

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Mercury	20	5.2	5.1	3

SAMPLE NO.

1124366LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Mercury	ug/L	5.0	5.2	104	80	120

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Instrument ID: 50HG02 Analysis Method: EPA 7470

Start Date: 07/10/2014 11:30 End Date: 07/10/2014 13:56

Sample Name	Lab Sample ID	D/F	Date	Time	Hg
6949112CAL0	6949112CAL0	1	07/10/2014	11:30	X
6949113CAL1	6949113CAL1	1	07/10/2014	11:32	X
6949114CAL2	6949114CAL2	1	07/10/2014	11:34	X
6949115CAL3	6949115CAL3	1	07/10/2014	11:36	X
6949116CAL4	6949116CAL4	1	07/10/2014	11:38	X
6949117CAL5	6949117CAL5	1	07/10/2014	11:40	X
6949118CAL6	6949118CAL6	1	07/10/2014	11:43	X
6949119ICV	6949119ICV	1	07/10/2014	11:45	X
6949120ICB	6949120ICB	1	07/10/2014	11:47	X
6949121CRDL	6949121CRDL	1	07/10/2014	11:49	X
1124365BLANK	1124365	1	07/10/2014	12:01	X
1124366LCS	1124366	1	07/10/2014	12:03	X
50100202001	50100202001	1	07/10/2014	12:05	X
1124367MS	1124367	1	07/10/2014	12:07	X
1124368MSD	1124368	1	07/10/2014	12:09	X
6949122CCV	6949122CCV	1	07/10/2014	12:11	X
6949123CCB	6949123CCB	1	07/10/2014	12:13	X
6949124CCV	6949124CCV	1	07/10/2014	12:36	X
6949125CCB	6949125CCB	1	07/10/2014	12:38	X
6949126CRDL	6949126CRDL	1	07/10/2014	12:40	X
S-A IDW	50100317014	1	07/10/2014	12:44	X
6949136CCV	6949136CCV	1	07/10/2014	13:03	X
6949138CCB	6949138CCB	1	07/10/2014	13:05	X
6949141CCV	6949141CCV	1	07/10/2014	13:28	X
6949142CCB	6949142CCB	1	07/10/2014	13:30	X
6949143CRDL	6949143CRDL	1	07/10/2014	13:32	X
6949145CCV	6949145CCV	1	07/10/2014	13:54	X
6949146CCB	6949146CCB	1	07/10/2014	13:56	X

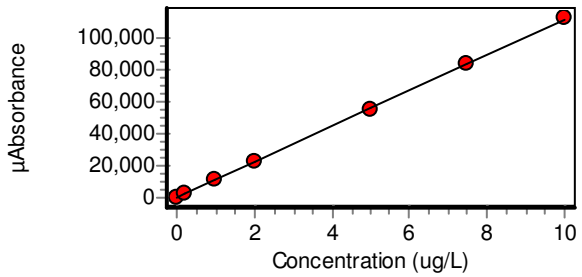
Report Generated By CETAC QuickTrace
Analyst: 50Metals
Worksheet file: C:\Program Files\QuickTrace\Worksheets\07-10-2014 6083-6090.wsz
Date Started: 7/10/2014 9:12:05 AM
Comment: ICV STD#70132/CCV STD#70131

Results

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CAL0					STD	07/10/14 10:02:49 am	0.000	299	0.30		1.00
	Replicates	298.4	298.0	299.8	299.8						
CAL1					STD	07/10/14 10:04:51 am	0.200	2562	0.21		1.00
	Replicates	2555.7	2560.1	2563.1	2568.6						
CAL2					STD	07/10/14 10:06:55 am	1.000	11476	0.26		1.00
	Replicates	11439.4	11468.7	11488.5	11509.0						
CAL3					STD	07/10/14 10:08:58 am	2.000	23049	0.18		1.00
	Replicates	23002.4	23032.1	23067.5	23094.9						
CAL4					STD	07/10/14 10:11:03 am	5.000	55114	0.04		1.00
	Replicates	55143.2	55095.3	55096.8	55119.1						
CAL5					STD	07/10/14 10:13:08 am	7.500	83464	0.32		1.00
	Replicates	83135.9	83370.3	83588.4	83759.9						
CAL6					STD	07/10/14 10:15:13 am	10.000	112874	0.33		1.00
	Replicates	112440.8	112723.0	113017.5	113312.9						

Calibration

Equation: A = 212.023 + 11181.060C
R2: 0.99980
SEE: 685.8979
Flags:



ICV					ICV	07/10/14 10:17:19 am	5.080	57064	0.09		1.00
	Replicates	57126.8	57046.4	57002.4	57079.6						
	% Recovery	101.69									

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
ICB				ICB	07/10/14 10:19:21 am	0.001	224	2.04		1.00
Replicates	230.2	224.3	219.9	221.4						
CRDL				CRDL	07/10/14 10:21:24 am	0.220	2675	0.54		1.00
Replicates	2659.6	2666.5	2682.8	2691.1						
% Recovery	110.14									
1124359				UNK	07/10/14 10:23:26 am	0.009	318	0.57		1.00
Replicates	316.8	317.5	317.8	320.9						
1124360				UNK	07/10/14 10:25:29 am	5.260	58999	0.27		1.00
Replicates	58801.4	58952.7	59074.2	59168.1						
50100071001				UNK	07/10/14 10:27:31 am	0.011	333	0.51		1.00
Replicates	332.8	330.7	334.8	333.2						
50100071002				UNK	07/10/14 10:29:34 am	0.023	474	1.00		1.00
Replicates	467.6	472.4	477.0	477.8						
50100071003				UNK	07/10/14 10:31:37 am	0.041	667	0.67		1.00
Replicates	662.1	672.3	669.7	665.5						
50100071004				UNK	07/10/14 10:33:41 am	0.035	606	0.93		1.00
Replicates	600.8	601.7	610.8	611.2						
50100071005				UNK	07/10/14 10:35:45 am	0.045	712	1.04		1.00
Replicates	702.3	711.6	713.4	720.3						
50100071006				UNK	07/10/14 10:37:49 am	0.012	345	0.99		1.00
Replicates	346.0	341.1	343.4	349.0						
50100071007				UNK	07/10/14 10:39:53 am	0.008	307	0.98		1.00
Replicates	302.8	306.3	310.2	306.8						
50100071008				UNK	07/10/14 10:41:58 am	0.009	316	1.12		1.00
Replicates	313.4	312.0	316.8	319.9						

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV					CCV	07/10/14 10:44:03 am	5.110	57316	0.25		1.00
	Replicates	57142.7	57266.9	57378.5	57474.9						
	% Recovery	102.14									
CCB					CCB	07/10/14 10:46:05 am	0.006	275	0.93		1.00
	Replicates	273.5	278.5	274.4	272.8						
50100242008					UNK	07/10/14 10:48:10 am	0.002	230	2.88		1.00
	Replicates	223.7	225.5	234.6	237.1						
1124361					UNK	07/10/14 10:50:15 am	3.370	37841	0.18		1.00
	Replicates	37758.9	37818.5	37868.8	37918.5						
1124362					UNK	07/10/14 10:53:50 am	3.360	37815	0.36		1.00
	Replicates	37683.9	37747.8	37831.3	37997.1						
50100242009					UNK	07/10/14 10:57:06 am	-0.008	120	4.98		1.00
	Replicates	110.9	120.5	123.0	123.9						
50100242010					UNK	07/10/14 10:59:09 am	0.010	328	1.91		1.00
	Replicates	337.1	327.5	322.2	326.6						
50100242011					UNK	07/10/14 11:01:11 am	0.008	306	2.25		1.00
	Replicates	296.0	307.0	309.1	311.6						
50100242012					UNK	07/10/14 11:06:03 am	0.028	520	0.66		1.00
	Replicates	522.5	516.3	518.6	523.7						
50100275008					UNK	07/10/14 11:08:06 am	15.500	173642	0.12	O	1.00
	Replicates	173883.0	173743.0	173547.6	173393.9						
50100145003					UNK	07/10/14 11:10:09 am	88.600	990683	0.42	S	1.00
	Replicates	985969.8	988951.3	992211.3	995598.3						
1124681					UNK	07/10/14 11:15:52 am	90.500	1012200	0.20	S	1.00
	Replicates	1009585.2	1011749.6	1013265.9	1014197.6						

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
CCV					CCV	07/10/14 11:21:43 am	5.240	58820	0.11		1.00
	Replicates	58739.4	58799.9	58847.8	58891.1						
	% Recovery	104.83									
CCB					CCB	07/10/14 11:23:45 am	0.007	285	0.71		1.00
	Replicates	287.6	283.2	284.3	286.6						
CRDL					CRDL	07/10/14 11:25:48 am	0.232	2802	0.22		1.00
	Replicates	2793.6	2800.0	2807.1	2805.9						
	% Recovery	115.80									
CAL0					STD	07/10/14 11:30:38 am	0.000	357	1.19		1.00
	Replicates	353.2	354.2	361.8	360.2						
CAL1					STD	07/10/14 11:32:41 am	0.200	2745	0.10		1.00
	Replicates	2744.2	2748.6	2743.8	2742.2						
CAL2					STD	07/10/14 11:34:44 am	1.000	12427	1.72		1.00
	Replicates	12170.9	12343.6	12534.1	12659.0						
CAL3					STD	07/10/14 11:36:48 am	2.000	24124	0.22		1.00
	Replicates	24063.5	24104.5	24141.7	24188.2						
CAL4					STD	07/10/14 11:38:53 am	5.000	58726	0.12		1.00
	Replicates	58626.2	58721.8	58770.8	58785.9						
CAL5					STD	07/10/14 11:40:58 am	7.500	89152	0.27		1.00
	Replicates	88866.7	89066.2	89247.3	89428.7						
CAL6					STD	07/10/14 11:43:03 am	10.000	117699	0.27		1.00
	Replicates	117315.0	117590.1	117828.1	118061.8						

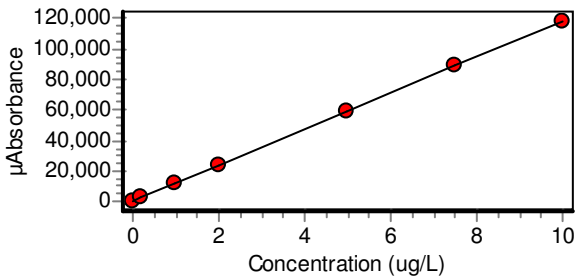
Calibration

Equation: A = 480.074 + 11745.920C

R2: 0.99994

SEE: 377.1612

Flags:



Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
ICV					ICV	07/10/14 11:45:09 am	5.090	60251	0.30		1.00
	Replicates	60031.9	60197.8	60326.3	60448.7						
	% Recovery	101.77									
ICB					ICB	07/10/14 11:47:11 am	-0.015	306	1.01		1.00
	Replicates	302.8	305.0	307.9	309.7						
CRDL					CRDL	07/10/14 11:49:14 am	0.200	2829	0.06		1.00
	Replicates	2828.8	2831.0	2826.9	2829.7						
	% Recovery	99.99									
1124682 20x					UNK	07/10/14 11:51:18 am	6.810	80442	0.27		1.00
	Replicates	80153.6	80403.7	80580.1	80629.5						
50100145005					UNK	07/10/14 11:53:22 am	0.025	769	0.39		1.00
	Replicates	773.1	769.5	766.0	768.2						
50100145007					UNK	07/10/14 11:55:27 am	2.520	30103	0.54		1.00
	Replicates	29902.1	30053.7	30173.0	30282.0						
50100224003					UNK	07/10/14 11:57:32 am	0.835	10294	0.59		1.00
	Replicates	10363.8	10322.2	10259.1	10230.0						
50100225005					UNK	07/10/14 11:59:34 am	-0.007	401	0.73		1.00
	Replicates	401.9	399.1	405.0	398.7						
1124365					UNK	07/10/14 12:01:36 pm	-0.011	350	0.56		1.00
	Replicates	351.6	349.7	347.7	351.9						
1124366					UNK	07/10/14 12:03:38 pm	5.190	61440	0.80		1.00
	Replicates	60784.1	61358.0	61711.4	61906.8						
50100202001					UNK	07/10/14 12:05:40 pm	-0.008	384	1.24		1.00
	Replicates	379.9	382.0	390.9	383.9						
1124367					UNK	07/10/14 12:07:43 pm	5.220	61822	0.46		1.00
	Replicates	61473.7	61734.7	61953.6	62126.4						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
1124368				UNK	07/10/14 12:09:46 pm	5.080	60199	0.57		1.00
Replicates	59752.2	60116.2	60387.2	60538.9						
CCV				CCV	07/10/14 12:11:51 pm	5.020	59455	0.34		1.00
Replicates	59197.8	59401.3	59567.3	59652.5						
% Recovery	100.42									
CCB				CCB	07/10/14 12:13:54 pm	-0.011	347	1.08		1.00
Replicates	345.0	344.1	345.2	352.2						
50100202002				UNK	07/10/14 12:15:57 pm	0.828	10206	0.51		1.00
Replicates	10141.9	10191.1	10227.2	10263.7						
50100202003				UNK	07/10/14 12:18:01 pm	0.000	475	0.66		1.00
Replicates	471.2	473.4	476.8	478.0						
50100202004				UNK	07/10/14 12:20:05 pm	0.863	10616	0.60		1.00
Replicates	10537.1	10596.2	10648.3	10683.2						
50100202005				UNK	07/10/14 12:22:09 pm	1.150	13942	0.25		1.00
Replicates	13898.0	13931.4	13960.8	13977.6						
50100202006				UNK	07/10/14 12:24:13 pm	1.900	22854	0.56		1.00
Replicates	22685.3	22828.1	22924.1	22976.8						
50100209001				UNK	07/10/14 12:26:18 pm	1.380	16727	1.69		1.00
Replicates	16356.2	16669.7	16877.8	17002.4						
50100209002				UNK	07/10/14 12:28:21 pm	0.419	5405	0.63		1.00
Replicates	5364.1	5392.1	5419.7	5442.6						
50100209003				UNK	07/10/14 12:30:23 pm	0.595	7473	0.37		1.00
Replicates	7436.4	7466.4	7487.2	7500.4						
50100209004				UNK	07/10/14 12:32:25 pm	0.499	6338	0.55		1.00
Replicates	6290.3	6335.5	6360.0	6368.1						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
50100233003				UNK	07/10/14 12:34:28 pm	-0.006	404	0.77		1.00
Replicates	399.7	406.4	405.5	405.7						
CCV				CCV	07/10/14 12:36:33 pm	5.020	59470	0.49		1.00
Replicates	59102.2	59384.1	59615.9	59779.0						
% Recovery	100.44									
CCB				CCB	07/10/14 12:38:35 pm	-0.009	377	1.56		1.00
Replicates	381.6	378.8	378.1	368.2						
CRDL				CRDL	07/10/14 12:40:37 pm	0.206	2896	0.42		1.00
Replicates	2880.4	2893.8	2902.0	2908.9						
% Recovery	102.85									
50100246001				UNK	07/10/14 12:42:40 pm	0.002	499	0.56		1.00
Replicates	500.5	502.0	495.7	497.9						
50100317014				UNK	07/10/14 12:44:43 pm	0.037	914	0.45		1.00
Replicates	912.6	918.9	914.2	909.0						
50100322002				UNK	07/10/14 12:46:47 pm	0.167	2441	0.33		1.00
Replicates	2430.9	2439.0	2447.8	2447.8						
50100322003				UNK	07/10/14 12:48:51 pm	0.028	810	0.45		1.00
Replicates	807.8	809.7	807.1	815.0						
50100322005				UNK	07/10/14 12:50:55 pm	0.017	680	0.60		1.00
Replicates	675.5	678.3	682.9	684.4						
50100360022				UNK	07/10/14 12:52:59 pm	-0.009	378	0.86		1.00
Replicates	379.1	380.8	377.3	373.3						
1124873				UNK	07/10/14 12:55:03 pm	-0.007	396	1.31		1.00
Replicates	396.1	401.7	396.7	389.1						
1124874				UNK	07/10/14 12:57:08 pm	4.840	57281	0.26		1.00
Replicates	57124.7	57209.2	57327.6	57463.0						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
50100044001				UNK	07/10/14 12:59:11 pm	-0.024	194	1.04		1.00
Replicates	193.5	197.0	192.4	193.6						
1124875				UNK	07/10/14 01:01:13 pm	5.020	59482	0.77		1.00
Replicates	58920.6	59341.6	59691.8	59975.9						
CCV				CCV	07/10/14 01:03:19 pm	5.040	59691	0.48		1.00
Replicates	59332.9	59611.8	59826.9	59993.0						
% Recovery	100.82									
CCB				CCB	07/10/14 01:05:21 pm	-0.009	371	0.52		1.00
Replicates	369.7	369.5	372.4	373.4						
50100044002				UNK	07/10/14 01:07:23 pm	-0.016	292	0.67		1.00
Replicates	291.3	294.7	291.2	290.3						
50100044003				UNK	07/10/14 01:09:26 pm	-0.008	381	3.13		1.00
Replicates	370.2	373.8	384.4	396.7						
50100044004				UNK	07/10/14 01:11:29 pm	-0.017	278	1.86		1.00
Replicates	270.7	279.2	282.6	280.2						
1124877				UNK	07/10/14 01:13:32 pm	-0.017	279	2.38		1.00
Replicates	281.1	285.7	278.0	269.9						
1124878				UNK	07/10/14 01:15:35 pm	5.190	61421	0.23		1.00
Replicates	61227.3	61419.3	61560.1	61476.0						
50100427001				UNK	07/10/14 01:17:39 pm	-0.018	262	1.41		1.00
Replicates	265.1	265.7	261.0	257.8						
1124879				UNK	07/10/14 01:19:43 pm	5.070	60087	0.31		1.00
Replicates	59865.1	60020.7	60156.6	60304.0						
50100395001				UNK	07/10/14 01:21:47 pm	-0.020	249	2.82		1.00
Replicates	255.5	255.1	246.2	241.1						

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
1124880					UNK	07/10/14 01:23:52 pm	5.080	60165	0.46		1.00
	Replicates	59836.3	60065.1	60278.9	60480.1						
1124883					UNK	07/10/14 01:25:56 pm	-0.016	290	0.65		1.00
	Replicates	292.9	290.0	289.6	288.5						
CCV					CCV	07/10/14 01:28:01 pm	5.070	59975	0.54		1.00
	Replicates	59566.2	59883.0	60134.0	60317.7						
	% Recovery	101.30									
CCB					CCB	07/10/14 01:30:03 pm	-0.009	378	0.34		1.00
	Replicates	377.0	377.2	379.1	379.5						
CRDL					CRDL	07/10/14 01:32:06 pm	0.211	2956	0.32		1.00
	Replicates	2942.9	2953.9	2962.8	2963.3						
	% Recovery	105.38									
1124884					UNK	07/10/14 01:34:09 pm	5.140	60883	0.61		1.00
	Replicates	60417.8	60774.0	61057.0	61281.8						
50100152001					UNK	07/10/14 01:36:12 pm	-0.022	226	1.43		1.00
	Replicates	222.0	226.5	227.6	229.7						
1124885					UNK	07/10/14 01:38:15 pm	5.160	61082	0.37		1.00
	Replicates	60813.5	61000.1	61167.7	61346.0						
50100152002					UNK	07/10/14 01:40:18 pm	-0.023	205	1.76		1.00
	Replicates	207.6	203.9	207.4	199.9						
50100152003					UNK	07/10/14 01:42:21 pm	-0.018	272	2.20		1.00
	Replicates	276.6	277.2	269.6	264.7						
50100152004					UNK	07/10/14 01:44:24 pm	-0.012	334	0.97		1.00
	Replicates	330.8	336.5	337.4	332.2						
1125323					UNK	07/10/14 01:46:27 pm	-0.026	175	4.15		1.00
	Replicates	170.3	168.5	177.6	184.3						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
1125324				UNK	07/10/14 01:48:31 pm	4.820	57151	0.30		1.00
Replicates	56937.0	57097.7	57242.0	57328.6						
50100489001				UNK	07/10/14 01:50:35 pm	-0.030	129	2.96		1.00
Replicates	127.6	134.3	125.3	128.8						
1125325				UNK	07/10/14 01:52:39 pm	4.860	57586	0.77		1.00
Replicates	57032.9	57460.3	57799.8	58050.8						
CCV				CCV	07/10/14 01:54:44 pm	5.070	60078	0.51		1.00
Replicates	59700.9	59980.3	60222.5	60409.7						
% Recovery	101.48									
CCB				CCB	07/10/14 01:56:51 pm	-0.010	368	1.09		1.00
Replicates	372.0	369.7	368.7	362.6						
50100489002				UNK	07/10/14 01:58:55 pm	-0.027	161	2.09		1.00
Replicates	163.8	161.9	156.0	161.9						
50100365001				UNK	07/10/14 02:01:00 pm	-0.023	210	1.48		1.00
Replicates	213.3	212.2	209.5	206.3						
1125326				UNK	07/10/14 02:03:03 pm	4.750	56234	0.25		1.00
Replicates	56054.9	56197.6	56314.2	56370.1						
50100365002				UNK	07/10/14 02:05:07 pm	-0.031	118	4.52		1.00
Replicates	122.8	123.1	115.7	112.3						
50100366001				UNK	07/10/14 02:07:10 pm	-0.023	208	3.69		1.00
Replicates	199.2	203.7	213.2	215.3						
1125327				UNK	07/10/14 02:09:13 pm	4.900	57994	0.59		1.00
Replicates	57579.7	57880.5	58154.0	58363.3						
1125328				UNK	07/10/14 02:11:17 pm	-0.033	95	2.80		1.00
Replicates	96.9	93.4	93.1	98.6						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
1125329				UNK	07/10/14 02:13:20 pm	5.140	60814	0.32		1.00
Replicates	60549.4	60794.8	60927.7	60984.1						
50100233001				UNK	07/10/14 02:15:23 pm	-0.030	131	1.94		1.00
Replicates	133.1	128.8	128.0	132.3						
1125330				UNK	07/10/14 02:17:27 pm	5.120	60676	0.30		1.00
Replicates	60458.3	60615.4	60750.1	60880.4						
CCV				CCV	07/10/14 02:19:33 pm	5.100	60428	0.36		1.00
Replicates	60151.0	60375.5	60532.9	60652.2						
% Recovery	102.07									
CCB				CCB	07/10/14 02:21:40 pm	-0.011	352	0.94		1.00
Replicates	347.0	353.5	354.4	351.7						
CRDL				CRDL	07/10/14 02:23:42 pm	0.205	2893	0.44		1.00
Replicates	2880.4	2885.7	2898.8	2908.9						
% Recovery	102.73									
50100233002				UNK	07/10/14 02:25:46 pm	-0.021	231	2.17		1.00
Replicates	235.9	235.1	229.5	225.2						
1125333				UNK	07/10/14 02:27:51 pm	-0.026	172	3.39		1.00
Replicates	166.2	169.3	172.6	179.8						
1125334				UNK	07/10/14 02:29:55 pm	5.040	59709	0.41		1.00
Replicates	59420.1	59616.0	59811.1	59988.6						
50100354001				UNK	07/10/14 02:32:00 pm	-0.028	155	3.87		1.00
Replicates	161.3	159.6	150.9	149.4						
1125335				UNK	07/10/14 02:34:04 pm	5.370	63545	0.42		1.00
Replicates	63214.8	63464.3	63664.9	63834.4						
50100275008 2x				UNK	07/10/14 02:36:07 pm	7.610	89847	0.44		1.00
Replicates	89328.5	89765.1	90081.5	90214.3						

Sample Name				Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
50100145003 20x				UNK	07/10/14 02:38:10 pm	6.610	78161	0.30		1.00
Replicates	77853.6	78102.3	78299.0	78388.0						
1124681 20x				UNK	07/10/14 02:40:14 pm	6.720	79360	0.27		1.00
Replicates	79070.0	79323.1	79497.0	79551.5						
CCV				CCV	07/10/14 02:42:20 pm	5.210	61729	0.33		1.00
Replicates	61468.6	61680.1	61834.7	61931.6						
% Recovery	104.29									
CCB				CCB	07/10/14 02:44:26 pm	-0.009	379	0.88		1.00
Replicates	380.6	381.9	379.8	374.3						
CRDL				CRDL	07/10/14 02:46:29 pm	0.211	2958	0.32		1.00
Replicates	2944.3	2958.8	2965.1	2964.2						
% Recovery	105.48									

Prep Log Report

Batch Information: MERP 5539

Template Version: EF-IN-I-322(rev.01, 21Jan2014)

Prep Method	EPA 7470	Analysis Method	EPA 7470	Extracted By	PHB	Extracted By Date	07/09/2014 09:48:11:497
Block ID	3	Thermometer ID	PT-183	Block Temp (C)	96	Correction Factor (C)	+0.6
Corrected Temp. (C)	96.60	Digestion Start Time	07/09/2014 09:48:14:553	Digestion End Time	07/09/2014 11:50:04:948	Digestion Vessel Lot	69959
Batch Notes	Final Volume represents Final Sample Volume	Reviewed By	LLB	Reviewed By Date	07/10/2014 14:23		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	H2SO4 (mL)	5% KMnO4 (mL)	5% K2S2O8 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7470 W_P	BLANK	**1124365**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	LCS	**1124366**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		70132 (1.5)
7470 W_P	PS	**50100202001**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	MS	**1124367**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		70132 (1.5)
7470 W_P	MSD	**1124368**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		70132 (1.5)
7470 W_P	PS	**50100202002**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100202003**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100202004**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100202005**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100202006**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30	1*	
7470 W_P	PS	**50100209001**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30	3*	
7470 W_P	PS	**50100209002**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30	2*	
7470 W_P	PS	**50100209003**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30	3*	
7470 W_P	PS	**50100209004**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30	3*	
7470 W_P	PS	**50100233003**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100246001**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100317014**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100322002**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	H2SO4 (mL)	5% KMnO4 (mL)	5% K2S2O8 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	MERCURY-SPK (mL)
7470 W_P	PS	**50100322003**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100322005**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		
7470 W_P	PS	**50100360022**	Water	30	64423 (0.75)	52493 (1.5)	70524 (5)	70413 (2.5)	70537 (1.8)	30		

Sample Notes:

1*: PUR@06:44on070314 071014llb

2*: PUR@08:51on070214 071014llb

3*: unable to preserve 071014llb

Standard Notes:

70132: prepared fresh daily

Prep Log Report

Batch Information: MERP WCAL 070914b

Template Version: EF-IN-I-322(rev.01, 21Jan2014)

Prep Method	EPA 7470	Analysis Method	EPA 7470	Extracted By	PHB	Extracted By Date	07/09/2014 09:47:56:731
Block ID	3	Thermometer ID	PT-183	Block Temp (C)	96	Correction Factor (C)	+0.6
Corrected Temp. (C)	96.60	Digestion Start Time	07/09/2014 09:47:15:120	Digestion End Time	07/09/2014 11:47:28:210	Digestion Vessel Lot	69959
Batch Notes	Calibration/Final Volume represents Final Sample Volume	Reviewed By	LLB	Reviewed By Date	07/10/2014 15:09		

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Matrix	Initial Volume (mL)	Conc. HNO3 (mL)	H2SO4 (mL)	5% KMnO4 (mL)	5% K2S2O8 (mL)	12% NH2OH*HCL (mL)	Final Volume (mL)	Sample Notes	CAL-STD
MERC_Q	CAL0	**CAL0**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72107 (1)
MERC_Q	CAL1	**CAL1**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72108 (1)
MERC_Q	CAL2	**CAL2**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72109 (1)
MERC_Q	CAL3	**CAL3**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72110 (1)
MERC_Q	CAL4	**CAL4**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72111 (1)
MERC_Q	CAL5	**CAL5**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72112 (1)
MERC_Q	CAL6	**CAL6**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72113 (1)
MERC_Q	ICV	**ICV**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72114 (1)
MERC_Q	CCV	**CCV**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72111 (1)
MERC_Q	CCB	**CCB**	WT	30	64423 (0.75)	52493 (1.5)	70524 (5)	71805 (2.5)	70537 (1.8)	30		72107 (1)

Standard Notes:

72107: MERC 7470/245.1
72108: MERC 7470/245.1
72109: MERC 7470/245.1
72110: MERC 7470/245.1
72111: MERC 7470/245.1
72112: MERC 7470/245.1
72113: MERC 7470/245.1
72114: MERC 7470/245.1

SAMPLE NO.

S-A IDW

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Carbonaceous BOD, 5 day	6.5		mg/L	1	07/08/2014 11:21

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Water Instrument ID: 50WETM

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1122818	C
Carbonaceous BOD, 5 day									ND	U

SAMPLE NO.

1123012DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Carbonaceous BOD, 5 day	20	6.5	4.8	30*

* RPD outside QC Limits

SAMPLE NO.

1122820LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Carbonaceous BOD, 5 day	mg/L	198	147	74*	85	115

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Instrument ID: 50WETM Analysis Method: SM 5210B

Start Date: 07/08/2014 11:21 End Date: 07/08/2014 11:21

Sample Name	Lab Sample ID	D/F	Date	Time	cbod
1122818BLANK	1122818	1	07/08/2014	11:21	X
1122819SCF	1122819	1	07/08/2014	11:21	X
1122820LCS	1122820	1	07/08/2014	11:21	X
1123012DUP	1123012	1	07/08/2014	11:21	X
S-A IDW	50100317014	1	07/08/2014	11:21	X

SAMPLE NO.

S-A IDW

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Lab Sample ID: 50100317014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Total Suspended Solids	1150		mg/L	1	07/09/2014 08:11

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract : Sibley - Accucast

Method Blank Matrix: Water Instrument ID: 50BAL6

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	1124622	C
Total Suspended Solids									ND	U

SAMPLE NO.

1124623DUP

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Total Suspended Solids	10	ND	4J	

SAMPLE NO.

1124624DUP

FORM VI INORGANIC-2
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	Control Limit	Sample	Duplicate	RPD
Total Suspended Solids	10	43	42	2

SAMPLE NO.

1124625LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Total Suspended Solids	mg/L	100	91	91	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Preparation Method: SM 2540D Batch: WET 16578

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
1124622	1124622BLANK	07/09/2014	100	100
1124623	1124623DUP	07/09/2014	100	100
1124624	1124624DUP	07/09/2014	100	100
1124625	1124625LCS	07/09/2014	100	100
50100317014	S-A IDW	07/09/2014	60	100

FORM XIII INORGANIC-1

ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50100317 Contract: Sibley - Accucast

Instrument ID: 50BAL6 Analysis Method: SM 2540D

Start Date: 07/09/2014 08:11 End Date: 07/09/2014 08:12

Sample Name	Lab Sample ID	D/F	Date	Time	tssw
1124622BLANK	1124622	1	07/09/2014	08:11	X
1124625LCS	1124625	1	07/09/2014	08:11	X
50100305005	50100305005	1	07/09/2014	08:11	X
1124623DUP	1124623	1	07/09/2014	08:11	X
S-A IDW	50100317014	1	07/09/2014	08:11	X
50100312002	50100312002	1	07/09/2014	08:12	X
1124624DUP	1124624	1	07/09/2014	08:12	X

Prep Log Report

Batch Information: WET 16578

Template Version: EF-IN-Q-341-Rev.00 (21 Jan 2013) TSS

Analysis Method	SM 2540D	Analyzed By	MLS	Instrument	50BAL6	Acceptance Range:	103-105
Oven ID	50WET7	Thermometer ID	PT-168	Oven Temp Correction Factor	1.3	Oven Temp In1 | Corr | Date/Time | Init	101.7 | 103.0 | 07/09/2014 12:07 | MLS
Oven Temp Out1 | Corr | Date/Time | Init	103.2 | 104.5 | 07/11/2014 06:05 | MLS	Batch Notes		Reviewed By	DDM	Reviewed By Date	07/11/2014 10:00

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	TSS Final (mg/L)	TSS Posted	Run Date/Time	Initial Volume (mL)	Final Volume (mL)	TSS Filters ()	Filter Wt 1	Filter Use 1	Oven Wt 1	Oven Use 1	ID
2540D W	BLANK	**1124622**	Y	-1.0000	-1.0000	07/09/2014 08:11:28	100	100	70454 ()	0.1187	M	0.1186	M	P7779
2540D W	LCS	**1124625**	Y	91.000	91.000	07/09/2014 08:11:28	100	100	70454 ()	0.1172	M	0.1263	M	P7780
2540D W	PS	**50100305004**	Y	14.000	14.000	07/09/2014 08:11:29	100	100	70454 ()	0.1204	M	0.1218	M	P7781
2540D W	PS	**50100305005**	Y	4.0000	4.0000	07/09/2014 08:11:37	100	100	70454 ()	0.1214	M	0.1218	M	P7782
2540D W	DUP	**1124623**	Y	4.0000	4.0000	07/09/2014 08:11:38	100	100	70454 ()	0.1220	M	0.1224	M	P7783
2540D W	PS	**50100305006**	Y	3.0000	3.0000	07/09/2014 08:11:39	100	100	70454 ()	0.1176	M	0.1179	M	P7784
2540D W	PS	**50100306001**	Y	16.000	16.000	07/09/2014 08:11:39	100	100	70454 ()	0.1220	M	0.1236	M	P7785
2540D W	PS	**50100308001**	Y	4.0000	4.0000	07/09/2014 08:11:47	100	100	70454 ()	0.1220	M	0.1224	M	P7786
2540D W	PS	**50100317014**	Y	1150.0	690.00	07/09/2014 08:11:47	60	100	70454 ()	0.1187	M	0.1877	M	P7787
2540D W	PS	**50100347002**	Y	470.00	235.00	07/09/2014 08:11:48	50	100	70454 ()	0.1193	M	0.1428	M	P7788
2540D W	PS	**50100348001**	Y	3.0000	3.0000	07/09/2014 08:11:49	100	100	70454 ()	0.1219	M	0.1222	M	66
2540D W	PS	**50100348002**	Y	3.0000	3.0000	07/09/2014 08:11:55	100	100	70454 ()	0.1201	M	0.1204	M	P7790
2540D W	PS	**50100348003**	Y	28.000	28.000	07/09/2014 08:11:55	100	100	70454 ()	0.1192	M	0.1220	M	P7791
2540D W	PS	**50100348004**	Y	6.0000	6.0000	07/09/2014 08:12:07	100	100	70454 ()	0.1169	M	0.1175	M	P7567
2540D W	PS	**50100348005**	Y	14.000	14.000	07/09/2014 08:12:08	100	100	70454 ()	0.1192	M	0.1206	M	P7568
2540D W	PS	**50100349002**	Y	57.000	57.000	07/09/2014 08:12:09	100	100	70454 ()	0.1176	M	0.1233	M	89
2540D W	PS	**50100312001**	Y	3.0000	3.0000	07/09/2014 08:12:09	100	100	70454 ()	0.1200	M	0.1203	M	P7570

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Select	TSS Final (mg/L)	TSS Posted	Run Date/Time	Initial Volume (mL)	Final Volume (mL)	TSS Filters ()	Filter Wt 1	Filter Use 1	Oven Wt 1	Oven Use 1	ID
2540D W	PS	**50100312002**	Y	43.000	43.000	07/09/2014 08:12:16	100	100	70454 ()	0.1181	M	0.1224	M	P7571
2540D W	DUP	**1124624**	Y	42.000	42.000	07/09/2014 08:12:17	100	100	70454 ()	0.1183	M	0.1225	M	P7572
2540D W	PS	**50100314001**	Y	51.000	51.000	07/09/2014 08:12:17	100	100	70454 ()	0.1200	M	0.1251	M	P7573
2540D W	PS	**50100314002**	Y	4.0000	4.0000	07/09/2014 08:12:24	100	100	70454 ()	0.1173	M	0.1177	M	P7574
2540D W	PS	**50100428001**	Y	5.0000	5.0000	07/09/2014 08:12:25	100	100	70454 ()	0.1202	M	0.1207	M	P7575
2540D W	PS	**50100455001**	Y	88.000	44.000	07/09/2014 08:12:31	50	100	70454 ()	0.1197	M	0.1241	M	P7576
2540D W	PS	**50100455002**	Y	148.00	74.000	07/09/2014 08:12:32	50	100	70454 ()	0.1157	M	0.1231	M	P7577

QC Rule	Sample Type	Lab Sample ID	Sample Notes	TSS-SPK (mL)
2540D W	BLANK	**1124622**		
2540D W	LCS	**1124625**		71128 (100)
2540D W	PS	**50100305004**		
2540D W	PS	**50100305005**		
2540D W	DUP	**1124623**		
2540D W	PS	**50100305006**		
2540D W	PS	**50100306001**		
2540D W	PS	**50100308001**		
2540D W	PS	**50100317014**		
2540D W	PS	**50100347002**		
2540D W	PS	**50100348001**		
2540D W	PS	**50100348002**		
2540D W	PS	**50100348003**		

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	Sample Notes	TSS-SPK (mL)
2540D W	PS	**50100348004**		
2540D W	PS	**50100348005**		
2540D W	PS	**50100349002**		
2540D W	PS	**50100312001**		
2540D W	PS	**50100312002**		
2540D W	DUP	**1124624**		
2540D W	PS	**50100314001**		
2540D W	PS	**50100314002**		
2540D W	PS	**50100428001**		
2540D W	PS	**50100455001**		
2540D W	PS	**50100455002**		

Standard Notes:

71128: TSS Std