TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-1
Client Smp ID: MW-12S_050114
Inj Date : 08-MAY-2014 21:18
Operator : MTP Inst ID: D.i
Smp Info : 200-22183-B-1
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 10:52 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	99666	129.574	5.2
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	2.076	2.070	(0.340)	519	1.82877	0.073(aQM)
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	76577	131.514	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	2.380	2.374	(0.390)	10754	7.68150	0.31(a)
$	9 1,1-Dichloroethene-d2	63	2.850	2.838	(0.467)	395532	250.378	10(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	424338	577.995	23(AQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.600	3.600	(0.590)	4235	5.57692	0.22(aQ)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	188985	135.609	5.4
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	104910	1202.54	48
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	455807	610.222	24(A)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	164398	123.435	4.9
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	315924	232.643	9.3
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	5.441	5.435	(0.574)	12082	9.84317	0.39(a)
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	64654	137.252	5.5
$	29 Benzene-d6	84	5.630	5.630	(0.594)	387858	126.216	5.0
	30 Benzene	78	5.672	5.673	(0.599)	2705	0.85495	0.034(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	333911	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	430665	518.112	21(A)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	92932	108.028	4.3
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	377263	123.990	5.0
	41 Toluene	91	7.861	7.861	(0.830)	53629	15.5495	0.62
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	74696	118.797	4.8
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	126285	151.380	6.1
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	87425	1224.21	49
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	263003	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.056	11.050	(1.167)	34889	117.793	4.7
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	128839	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	108646	117.798	4.7
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-1
Client Smp ID: MW-12S_050114
Inj Date : 08-MAY-2014 21:18
Operator : MTP Inst ID: D.i
Smp Info : 200-22183-B-1
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 10:52 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	747328	125.000
* 50 Chlorobenzene-d5	9.477	774892	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	729245	125.000

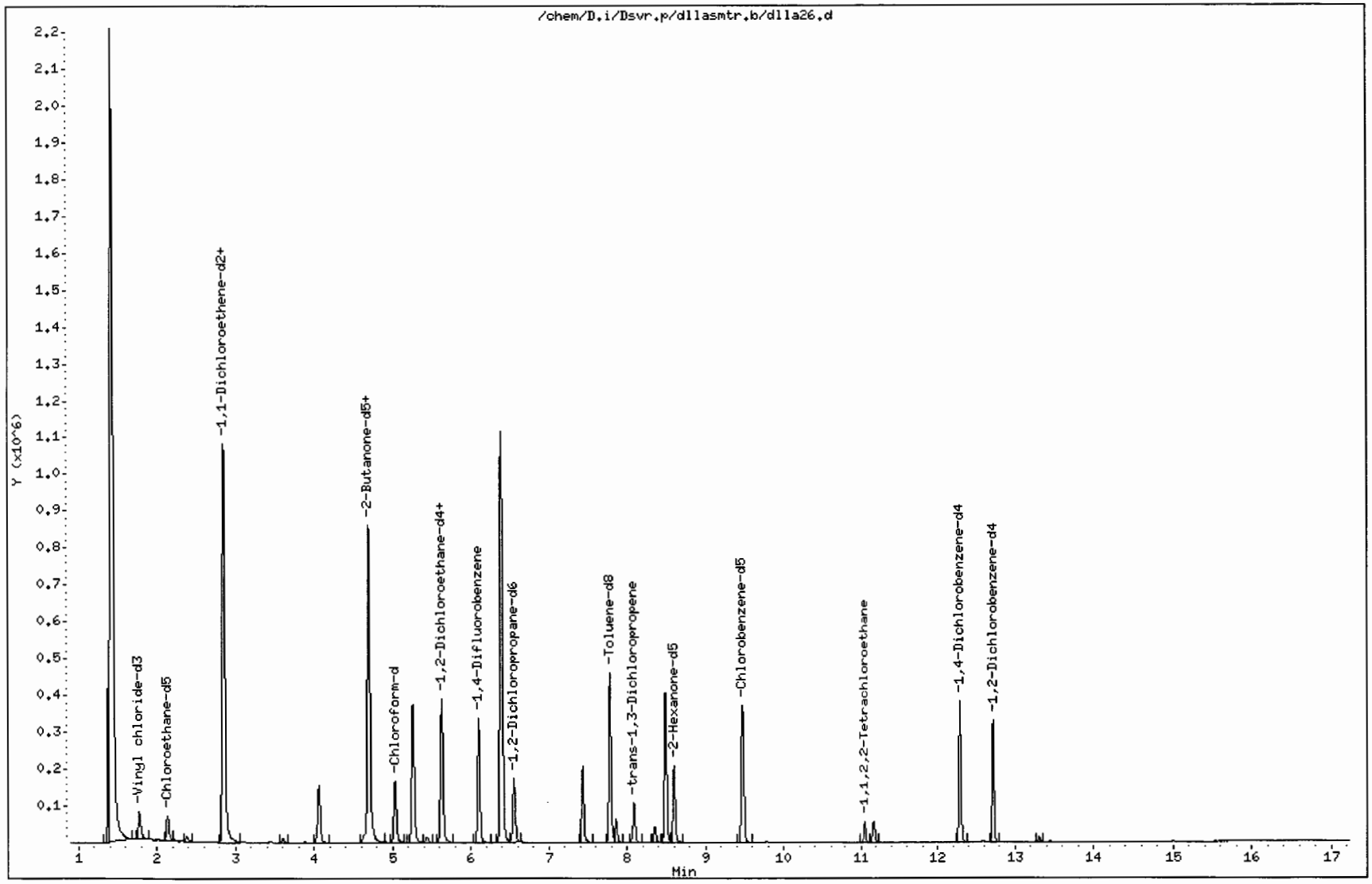
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	437242	73.1341234	2.9	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.349	97027	15.6516760	0.63	90	NIST05.1	73123	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	122410	20.9822421	0.84	91	NIST05.1	122481	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla26.d
Date : 08-MAY-2014 21:18
Client ID: MW-12S_050114
Sample Info: 200-22183-B-1
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



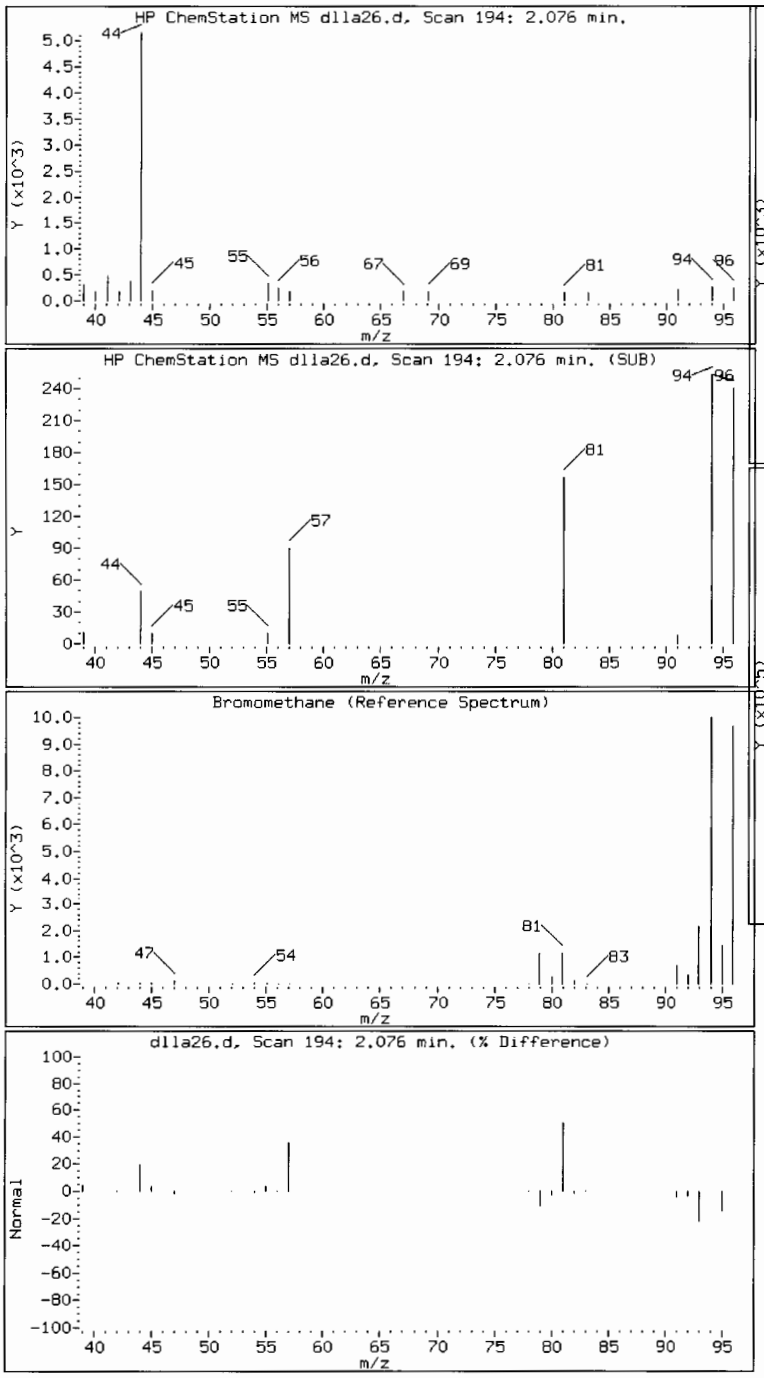
Data File: dlla26.d

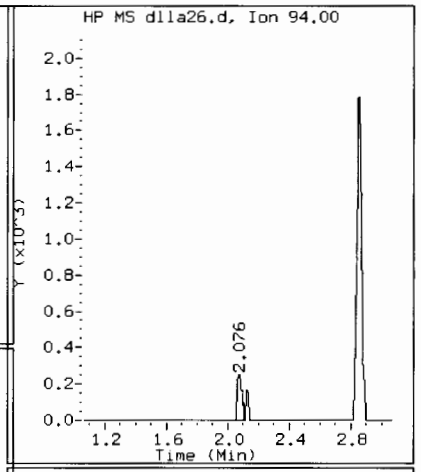
Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

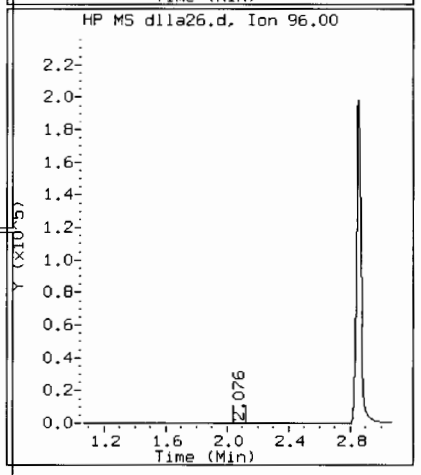
Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

5 Bromomethane







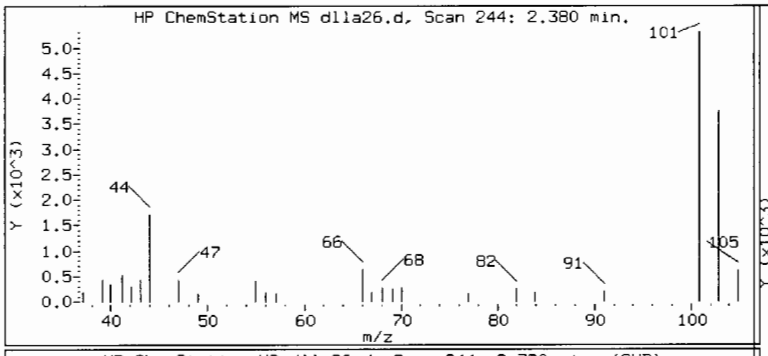
Data File: dlla26.d

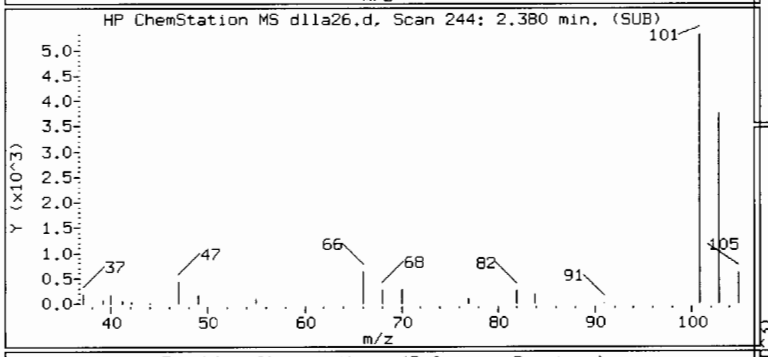
Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

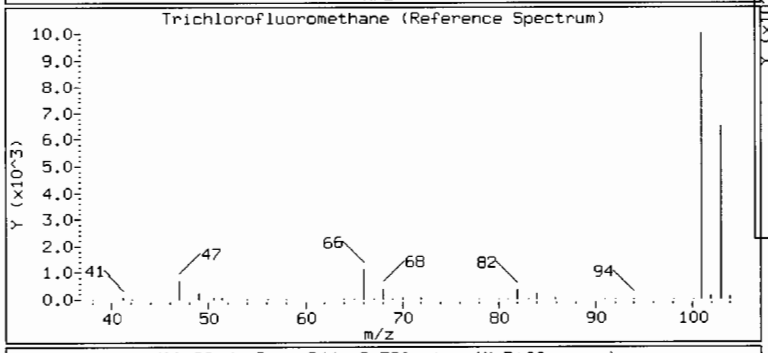
Client ID: MW-12S_050114 Instrument: D.i

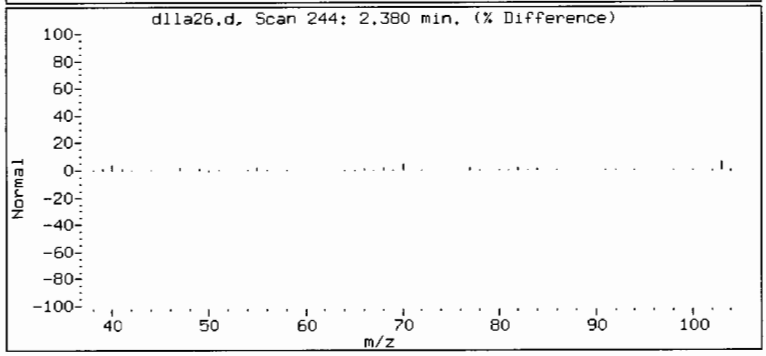
Sample Info: 200-22183-B-1 Operator: MTP

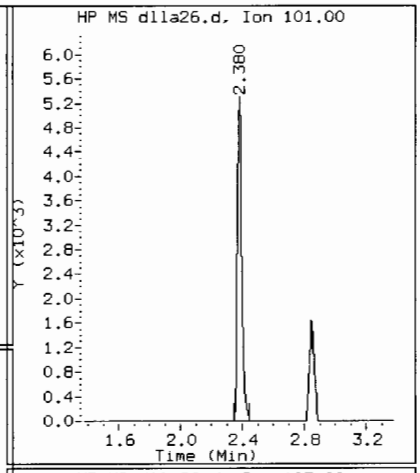
8 Trichlorofluoromethane

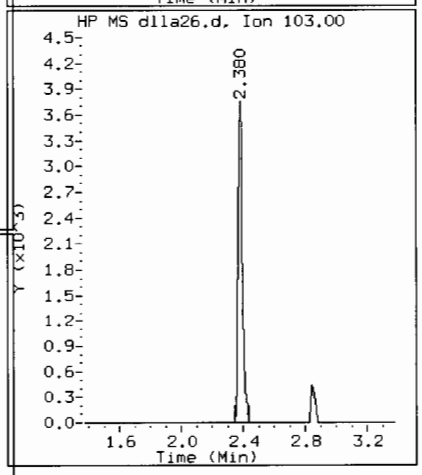












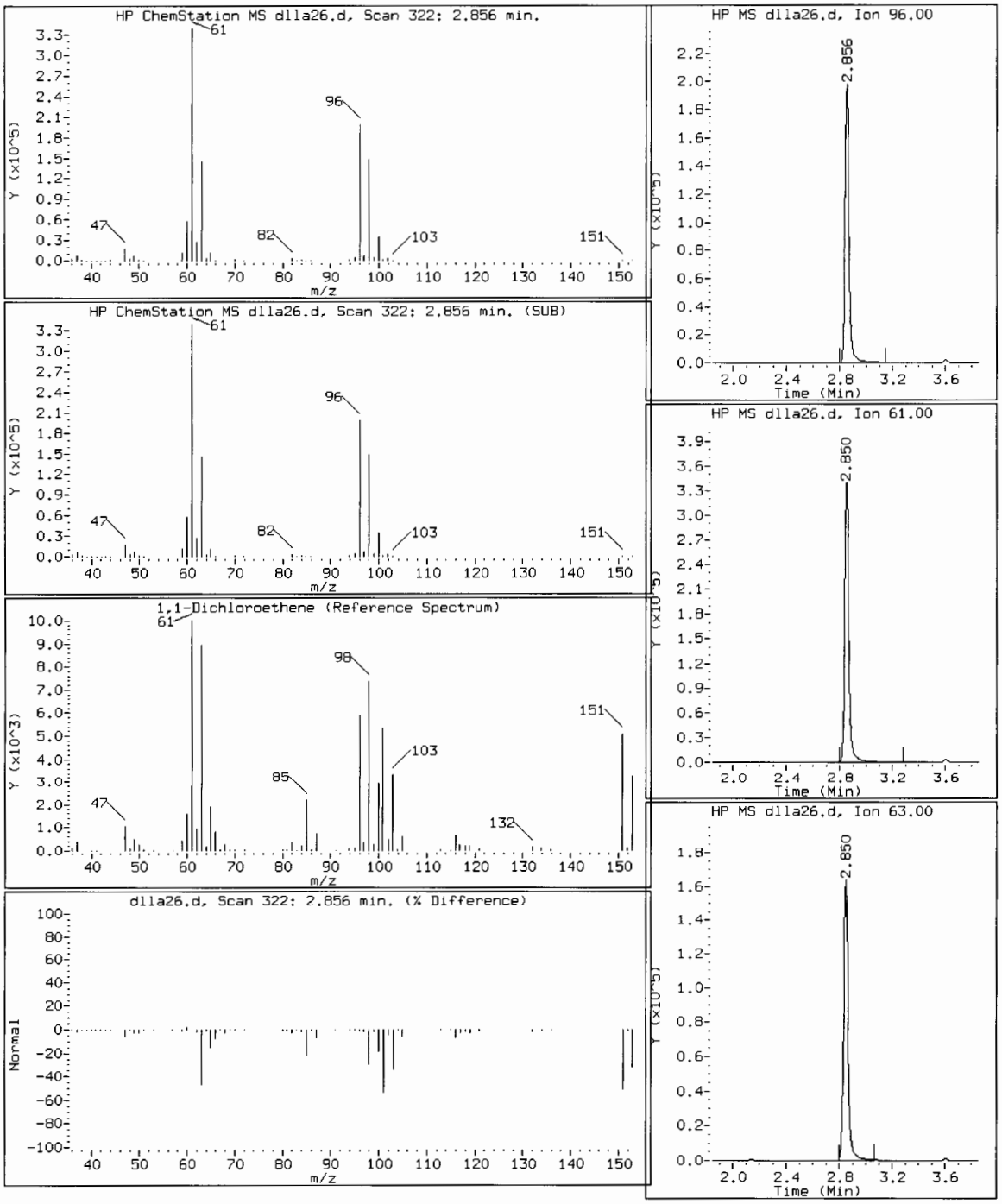
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

10 1,1-Dichloroethene



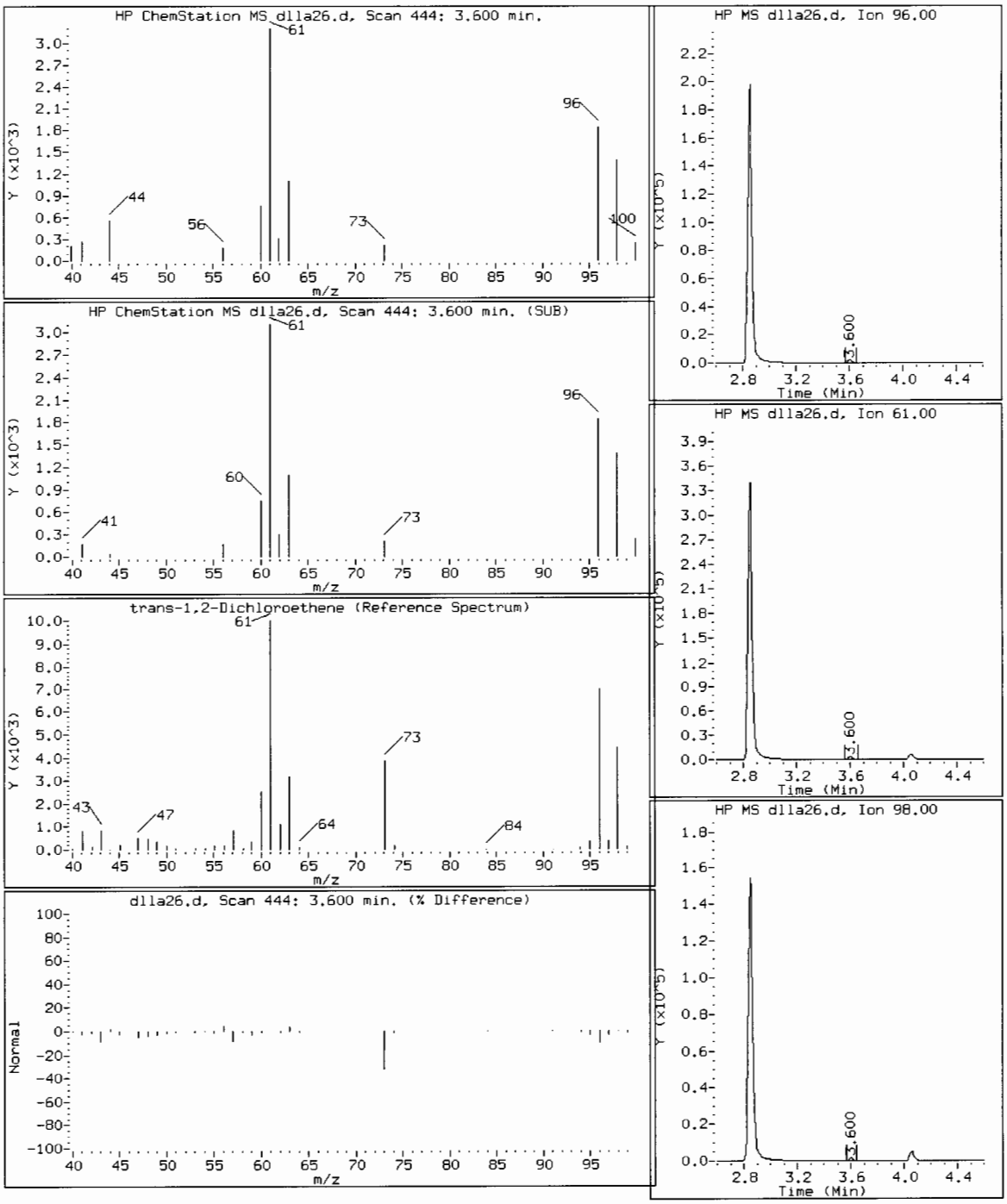
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

16 trans-1,2-Dichloroethene



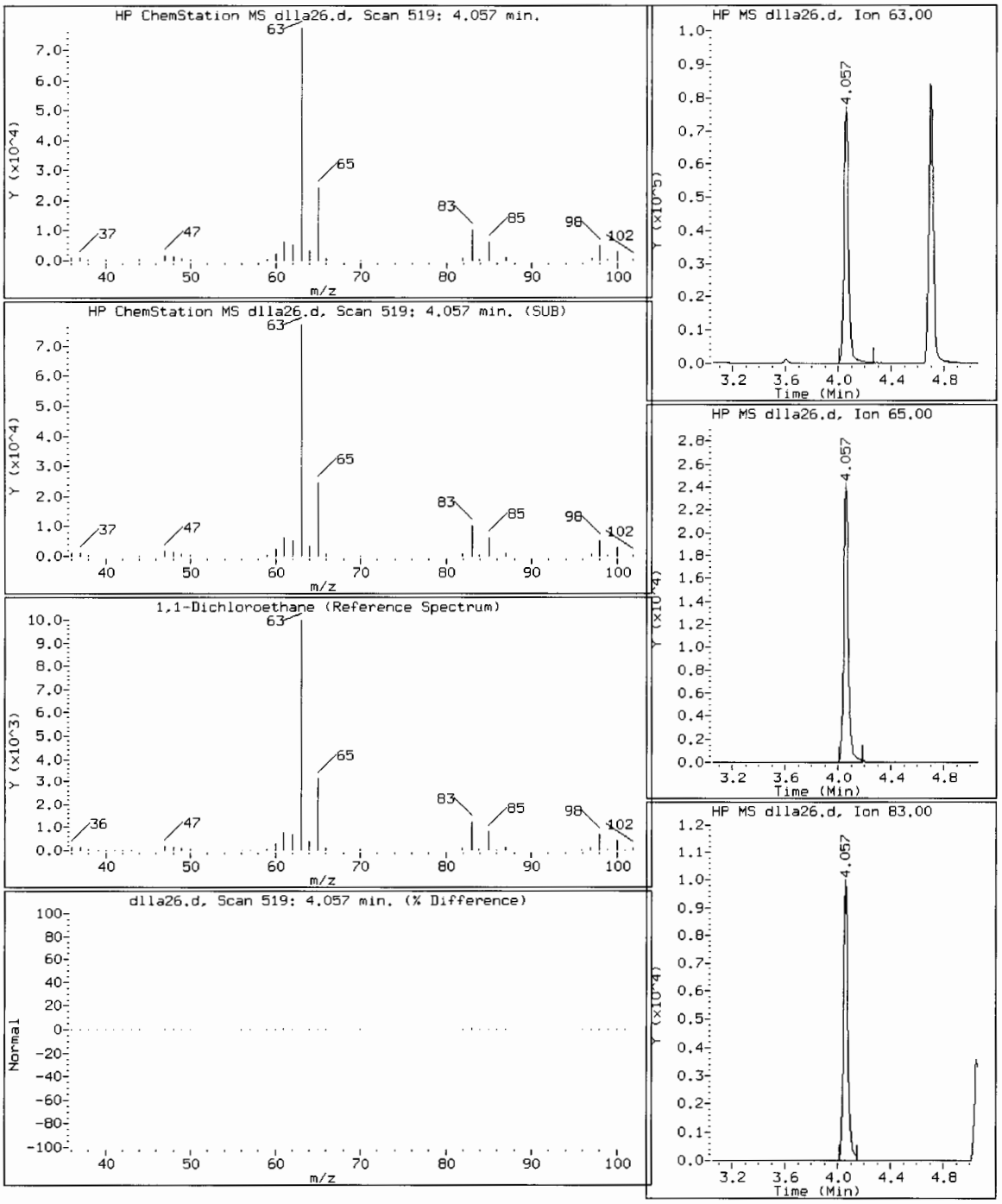
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

18 1,1-Dichloroethane



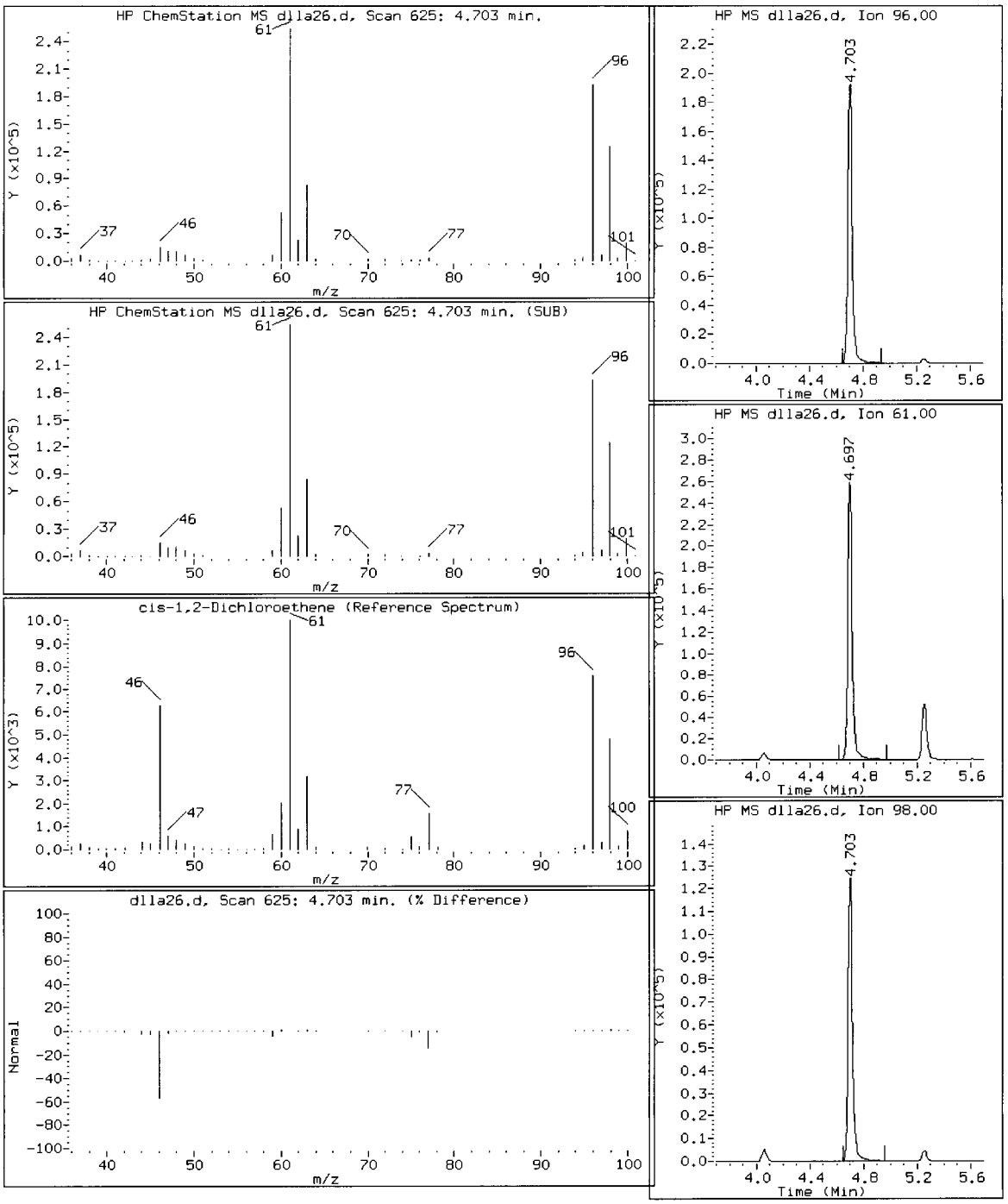
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

20 cis-1,2-Dichloroethene



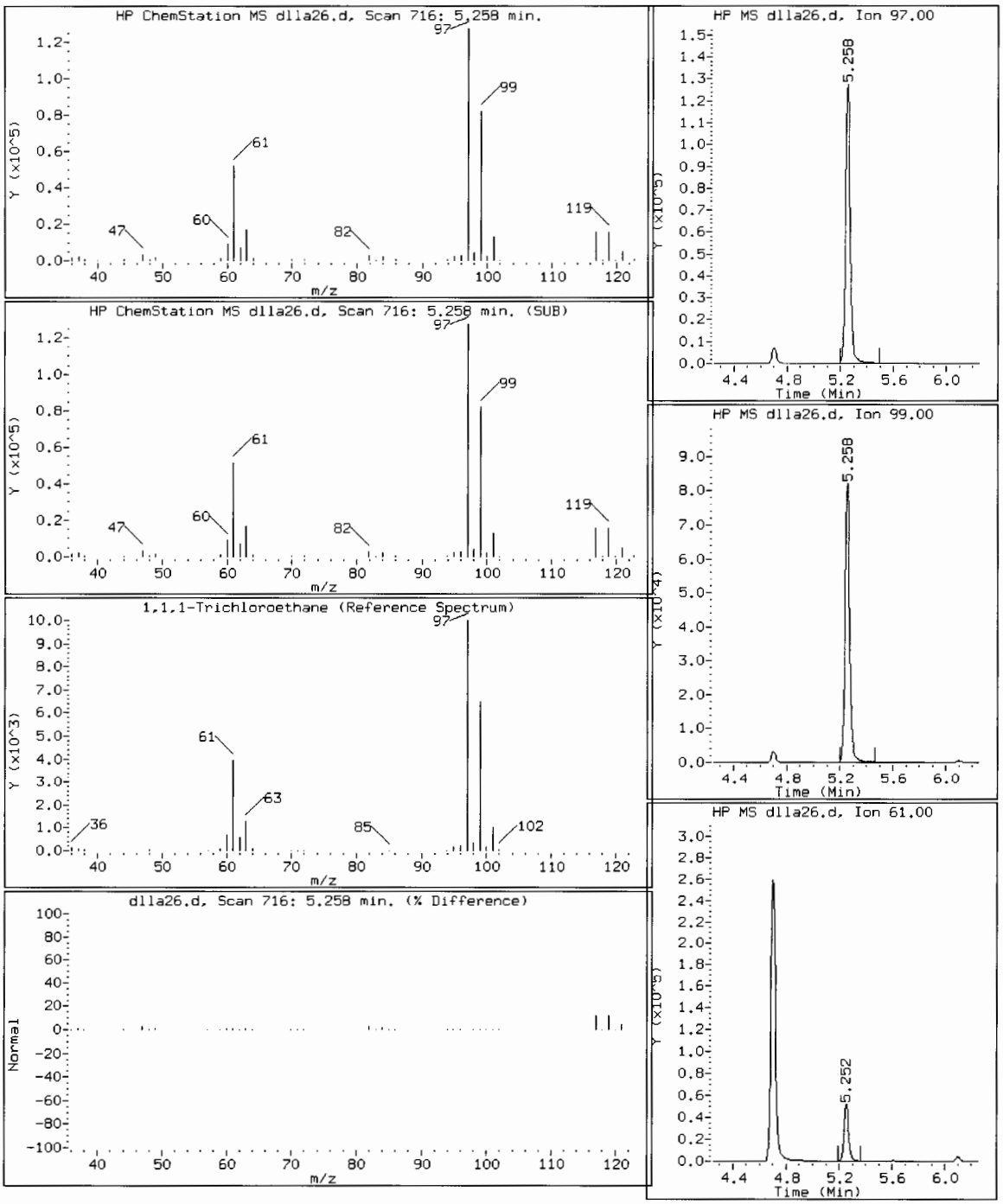
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

25 1,1,1-Trichloroethane



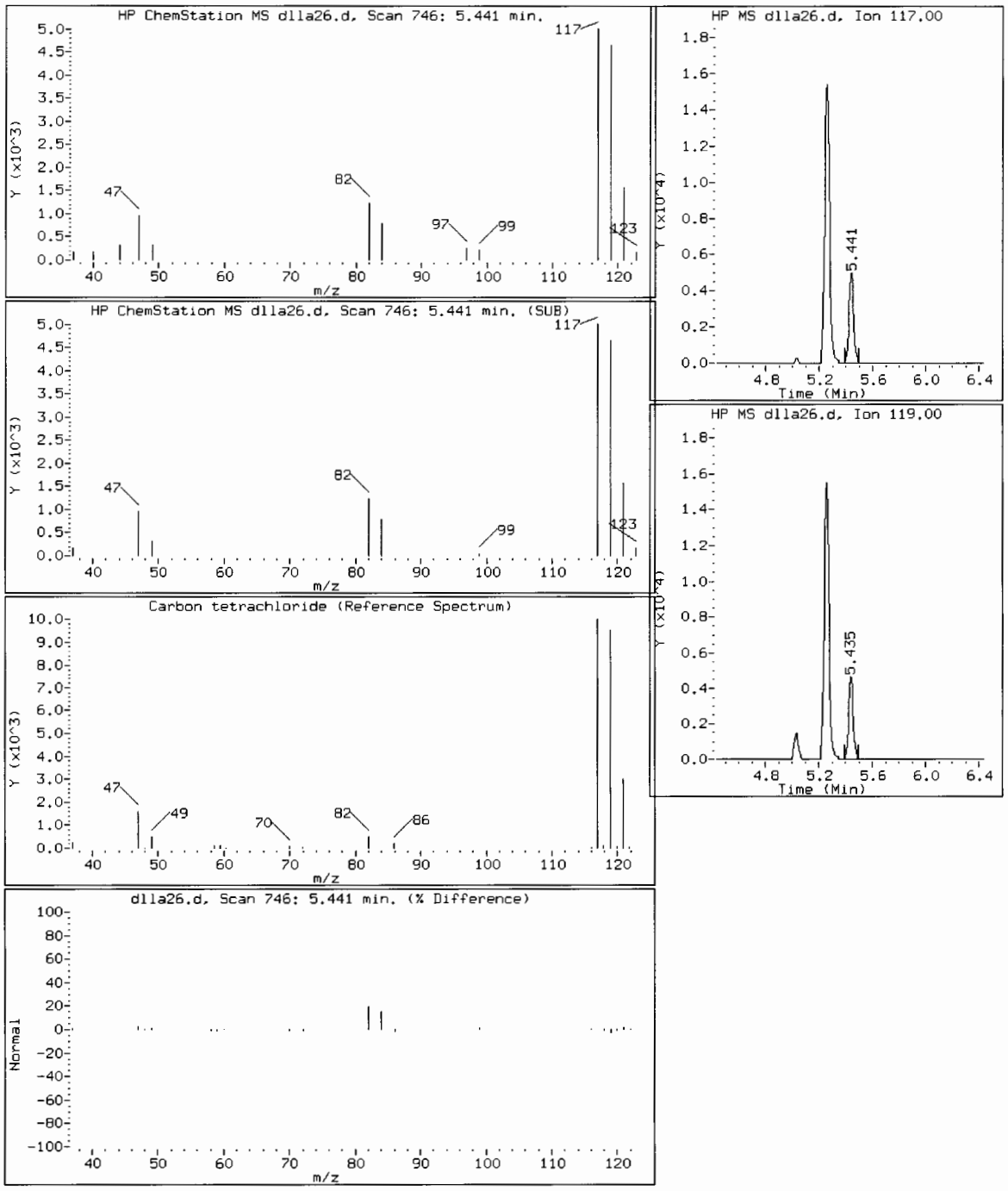
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

27 Carbon tetrachloride



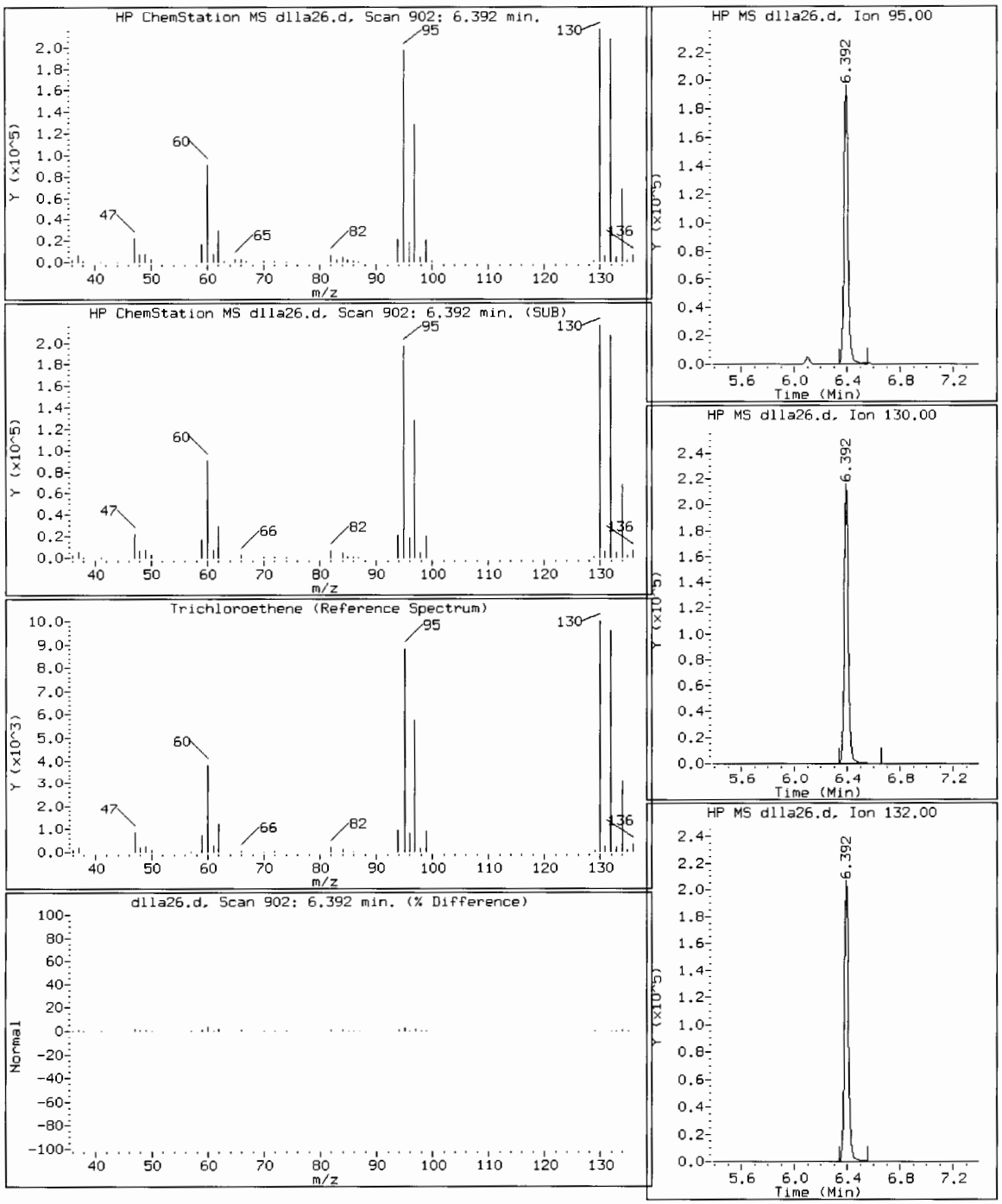
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

33 Trichloroethene



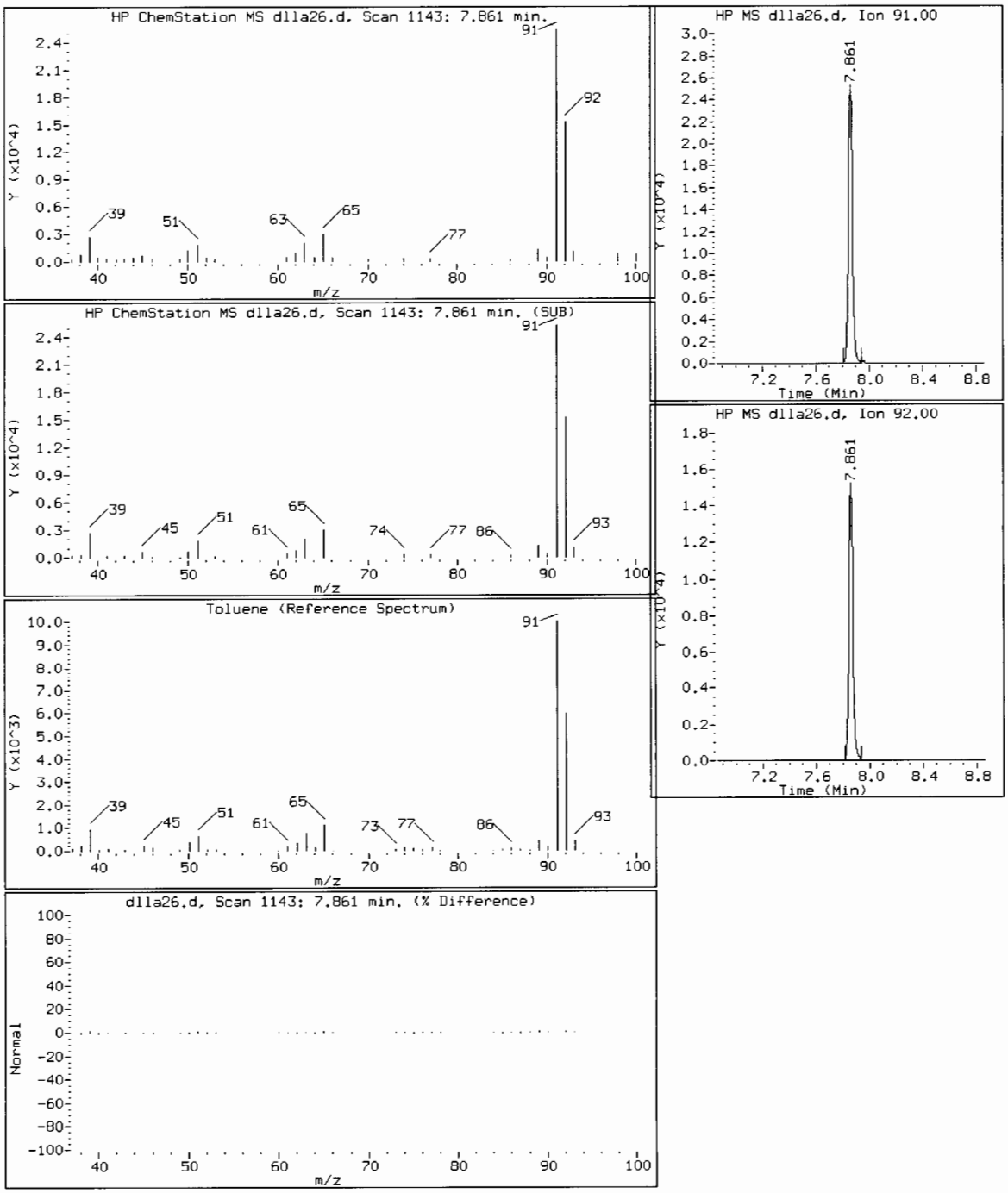
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

41 Toluene



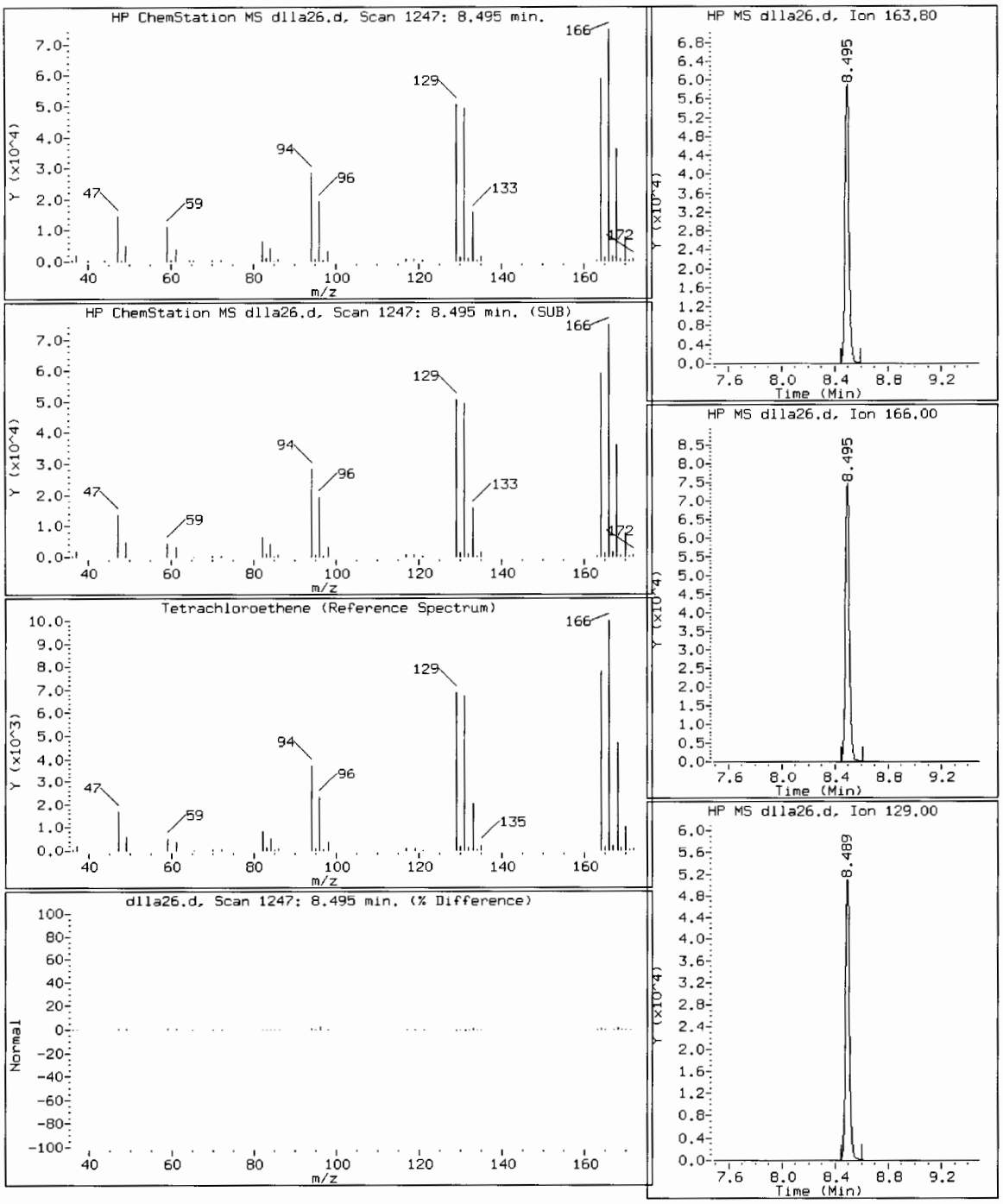
Data File: dlla26.d

Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

45 Tetrachloroethene



Manual Integration Report

Data File: dlla26.d
Lab Sample ID: 200-22183-1
Inj. Date and Time: 08-MAY-2014 21:18
Instrument ID: D.i
Client ID: MW-12S_050114
Compound: 5 Bromomethane
CAS #: 74-83-9
Report Date: 05/09/2014

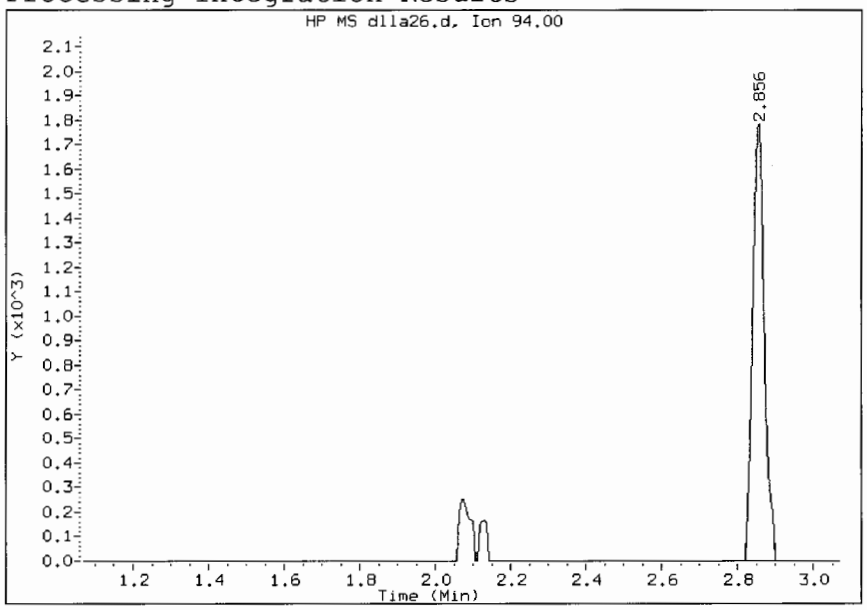
Processing Integration Results

RT: 2.86

Response: 3850

Amount: 13.57

Conc: 0.542651



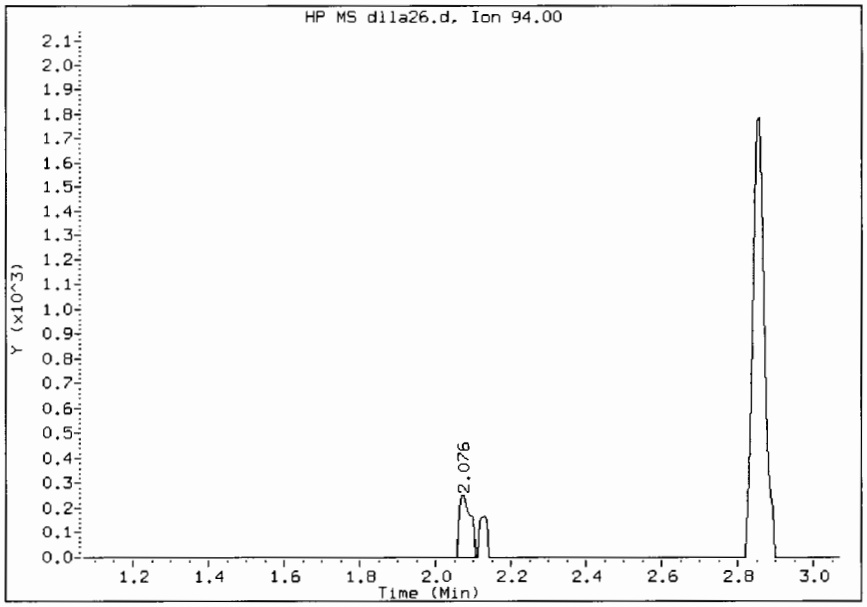
Manual Integration Results

RT: 2.08

Response: 519

Amount: 1.83

Conc: 0.073151



File Uploaded By: wilburj
Manual Integration Reason: Analyte not identified by the data system

Data File: d11a26.d

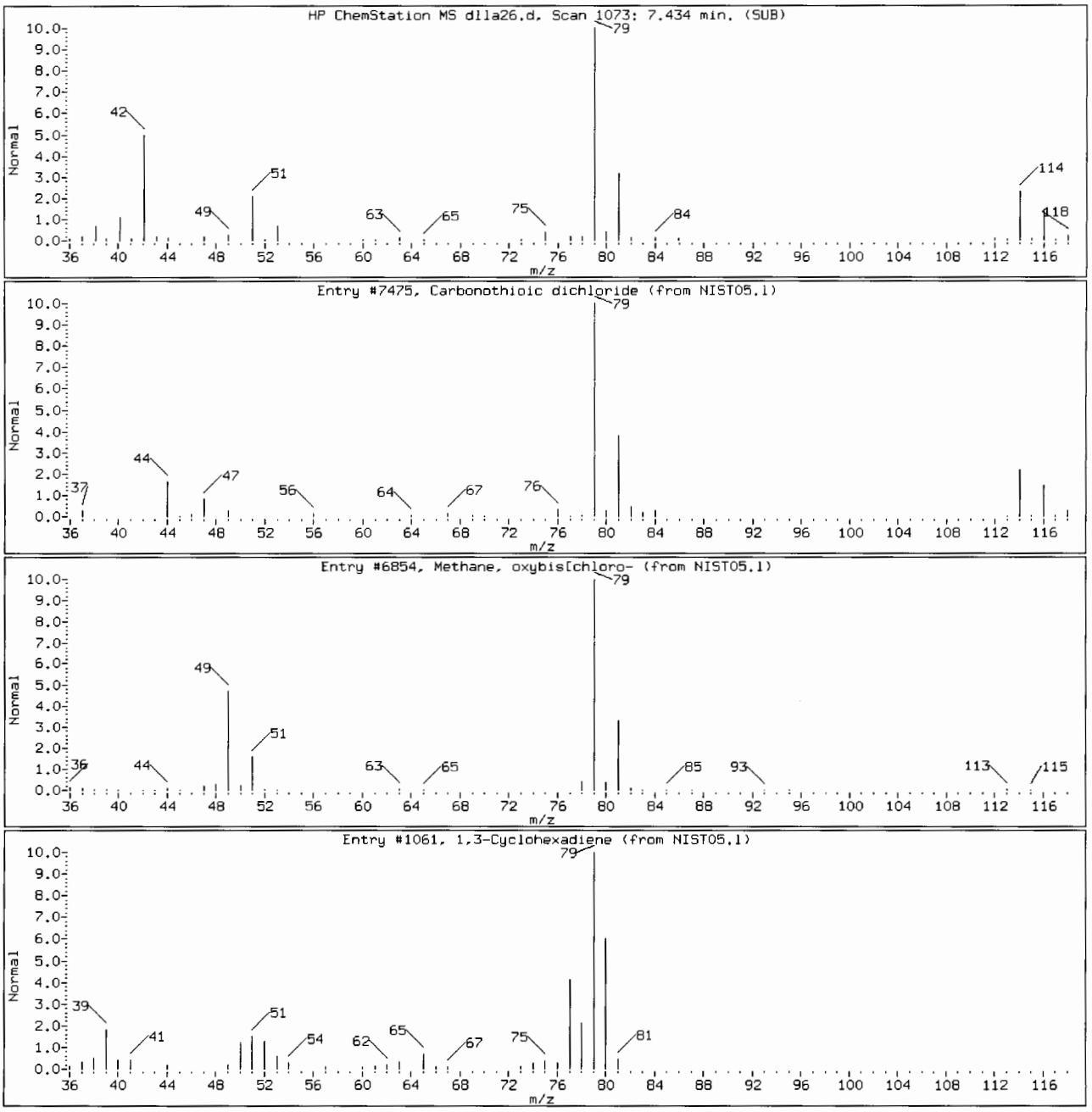
Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18

Client ID: MW-12S_050114 Instrument: D.i

Sample Info: 200-22183-B-1 Operator: MTP

Retention Time: 7.43

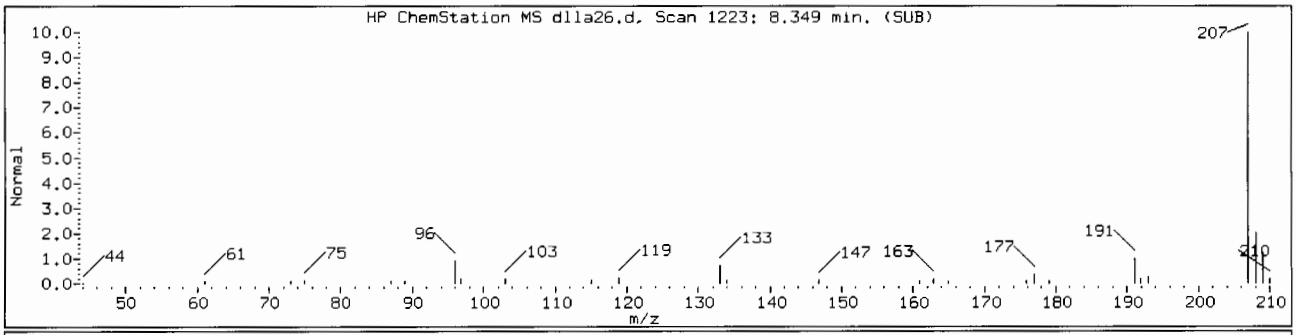
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80

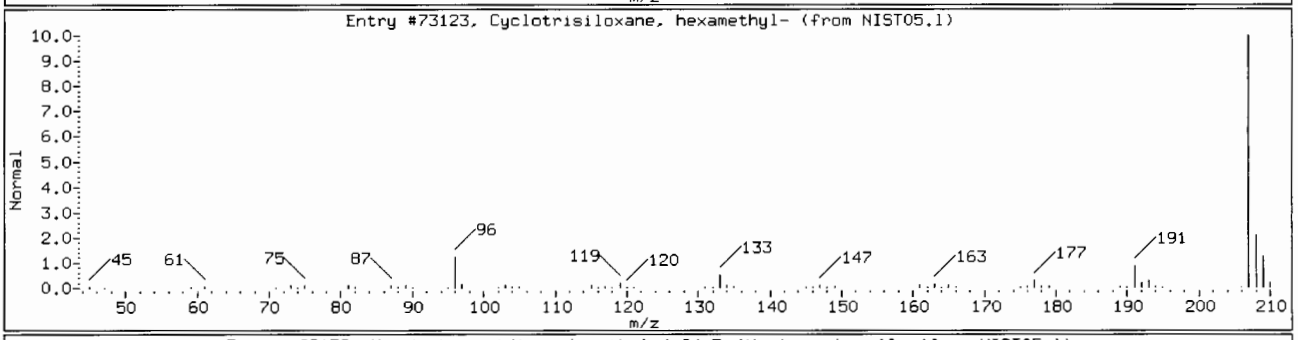


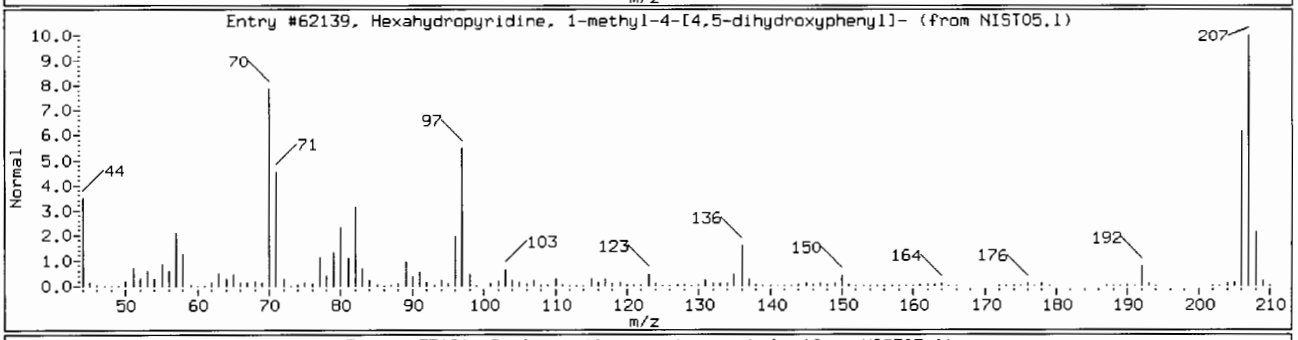
Data File: d11a26.d
Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18
Client ID: MW-12S_050114 Instrument: D.i
Sample Info: 200-22183-B-1 Operator: MTP

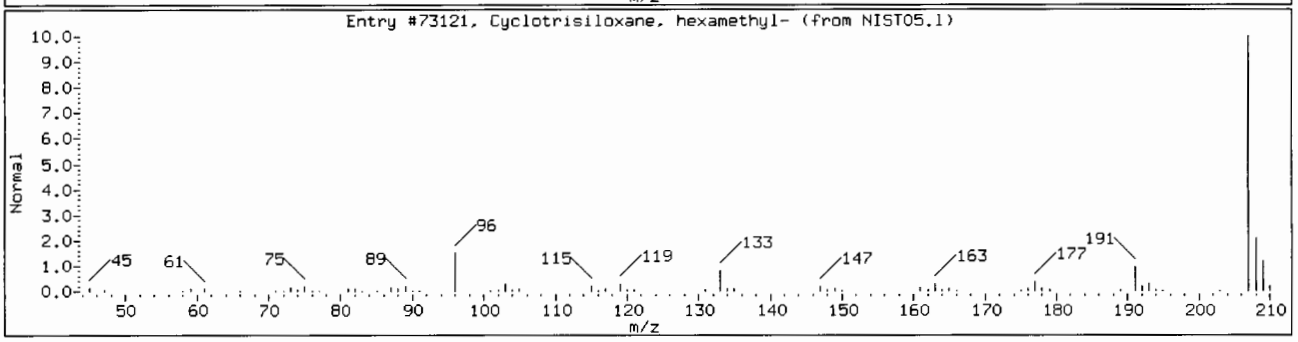
Retention Time: 8.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C12H17NO2	207
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222





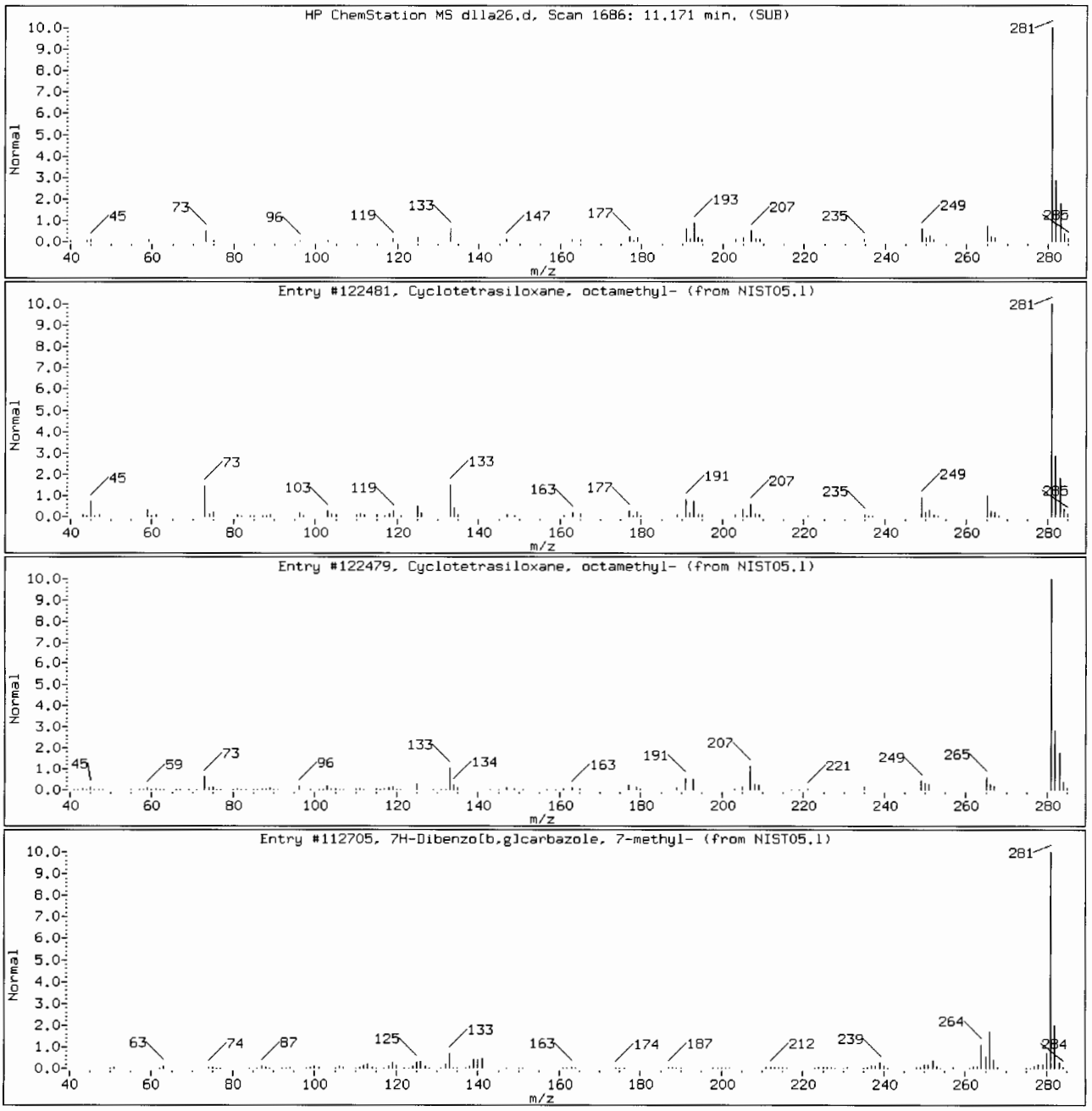




Data File: d11a26.d
Lab Sample ID: 200-22183-1 Date: 08-MAY-2014 21:18
Client ID: MW-12S_050114 Instrument: D.i
Sample Info: 200-22183-B-1 Operator: MTP

Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C21H15N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-12S_050114 DL
Lab Sample ID: 200-22183-1 DL
Matrix: Water
Lab File ID: dlld17.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 16:07
Sample wt/vol: 25(mL)
Date Analyzed: 05/12/2014 19:48
Soil Aliquot Vol:
Dilution Factor: 1.7
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72030
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	0.13
74-87-3	Chloromethane	0.85	U	0.85	0.11
75-01-4	Vinyl chloride	0.85	U	0.85	0.11
74-83-9	Bromomethane	0.85	U	0.85	0.12
75-00-3	Chloroethane	0.85	U	0.85	0.16
75-69-4	Trichlorofluoromethane	0.20	J D	0.85	0.17
75-35-4	1,1-Dichloroethene	16	D	0.85	0.063
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.85	U	0.85	0.065
67-64-1	Acetone	8.5	U	8.5	1.6
75-15-0	Carbon disulfide	0.85	U	0.85	0.085
79-20-9	Methyl acetate	0.85	U	0.85	0.24
75-09-2	Methylene chloride	0.85	U	0.85	0.12
156-60-5	trans-1,2-Dichloroethene	0.20	J D	0.85	0.080
1634-04-4	Methyl tert-butyl ether	0.85	U	0.85	0.11
75-34-3	1,1-Dichloroethane	5.0	D	0.85	0.13
156-59-2	cis-1,2-Dichloroethene	21	D	0.85	0.090
78-93-3	2-Butanone	8.5	U	8.5	1.5
74-97-5	Bromochloromethane	0.85	U	0.85	0.12
67-66-3	Chloroform	0.27	J D	0.85	0.14
71-55-6	1,1,1-Trichloroethane	7.7	D	0.85	0.13
110-82-7	Cyclohexane	0.85	U	0.85	0.11
56-23-5	Carbon tetrachloride	0.30	J D	0.85	0.11
71-43-2	Benzene	0.85	U	0.85	0.11
107-06-2	1,2-Dichloroethane	0.85	U	0.85	0.15
79-01-6	Trichloroethene	15	D	0.85	0.14
108-87-2	Methylcyclohexane	0.85	U	0.85	0.13
78-87-5	1,2-Dichloropropane	0.85	U	0.85	0.12
75-27-4	Bromodichloromethane	0.85	U	0.85	0.10
10061-01-5	cis-1,3-Dichloropropene	0.85	U	0.85	0.10
108-10-1	4-Methyl-2-pentanone	8.5	U	8.5	1.4
108-88-3	Toluene	0.52	J D	0.85	0.12
10061-02-6	trans-1,3-Dichloropropene	0.85	U	0.85	0.37
79-00-5	1,1,2-Trichloroethane	0.85	U	0.85	0.15
127-18-4	Tetrachloroethene	3.3	D	0.85	0.13
591-78-6	2-Hexanone	8.5	U	8.5	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12S_050114 DL | Lab Sample ID: 200-22183-1 DL

Matrix: Water | Lab File ID: dlld17.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 16:07

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 19:48

Soil Aliquot Vol: | Dilution Factor: 1.7

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.85	U	0.85	0.11
106-93-4	1,2-Dibromoethane	0.85	U	0.85	0.099
108-90-7	Chlorobenzene	0.85	U	0.85	0.11
100-41-4	Ethylbenzene	0.85	U	0.85	0.10
95-47-6	o-Xylene	0.85	U	0.85	0.11
179601-23-1	m,p-Xylene	0.85	U	0.85	0.12
100-42-5	Styrene	0.85	U	0.85	0.10
75-25-2	Bromoform	0.85	U	0.85	0.14
98-82-8	Isopropylbenzene	0.85	U	0.85	0.099
79-34-5	1,1,2,2-Tetrachloroethane	0.85	U	0.85	0.15
541-73-1	1,3-Dichlorobenzene	0.85	U	0.85	0.11
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	0.10
95-50-1	1,2-Dichlorobenzene	0.85	U	0.85	0.12
96-12-8	1,2-Dibromo-3-chloropropane	0.85	U	0.85	0.27
120-82-1	1,2,4-Trichlorobenzene	0.85	U	0.85	0.11
87-61-6	1,2,3-Trichlorobenzene	0.85	U	0.85	0.15

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	114	D	65-131
19199-91-8	Chloroethane-d5	122	D	71-131
22280-73-5	1,1-Dichloroethene-d2	145	X D	55-104
24313-50-6	2-Butanone-d5	112	D	49-155
865-49-6	Chloroform-d	110	D	78-121
17060-07-0	1,2-Dichloroethane-d4	129	D	78-129
1076-43-3	Benzene-d6	105	D	77-124
93952-08-0	1,2-Dichloropropane-d6	92	D	79-124
2037-26-5	Toluene-d8	103	D	77-121
93951-86-1	trans-1,3-Dichloropropene-d4	97	D	73-121
4840-82-8	2-Hexanone-d5	105	D	28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	96	D	73-125
2199-69-1	1,2-Dichlorobenzene-d4	96	D	80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12S_050114 DL Lab Sample ID: 200-22183-1 DL

Matrix: Water Lab File ID: dlld17.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:07

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 19:48

Soil Aliquot Vol: Dilution Factor: 1.7

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

Number TICs Found: 4 TIC Result Total: 9.33

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	1.8	J D
	Unknown	7.43	5.2	J B D
	Unknown	8.35	0.93	J D
	Unknown	11.17	1.4	J D

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12S_050114 DL Lab Sample ID: 200-22183-1 DL

Matrix: Water Lab File ID: dlld17.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:07

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 19:48

Soil Aliquot Vol: Dilution Factor: 1.7

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-1
Client Smp ID: MW-12S_050114DL
Inj Date : 12-MAY-2014 19:48
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-A-1
Misc Info : 1.7,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:31 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 17
Dil Factor: 1.70000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	86877	142.756	5.7
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	70292	152.581	6.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	2.380	2.374	(0.390)	3215	2.90254	0.20(a)
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	226489	181.210	7.2(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	138830	239.010	16(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	1781	2.96433	0.20(a)
17 Methyl tert-butyl ether	73	Compound Not Detected.					
18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	80861	73.3367	5.0
$ 19 2-Butanone-d5	46	4.679	4.703	(0.766)	96522	1398.40	56
20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	182201	308.304	21
21 2-Butanone	43	Compound Not Detected.					
22 Bromochloromethane	128	Compound Not Detected.					
$ 23 Chloroform-d	84	5.032	5.026	(0.824)	144523	137.152	5.5
24 Chloroform	83	5.051	5.051	(0.827)	3865	3.90914	0.27(aQ)
25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	123806	113.170	7.7
26 Cyclohexane	56	Compound Not Detected.					
27 Carbon tetrachloride	117	5.441	5.435	(0.574)	4290	4.33845	0.30(a)
$ 28 1,2-Dichloroethane-d4	65	5.611	5.612	(0.919)	60090	161.231	6.4
$ 29 Benzene-d6	84	5.630	5.630	(0.594)	324296	130.998	5.2
30 Benzene	78	Compound Not Detected.					
31 1,2-Dichloroethane	62	Compound Not Detected.					
* 32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	264186	125.000	
33 Trichloroethene	95	6.392	6.392	(0.674)	149014	222.532	15
$ 34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	79359	114.511	4.6
35 Methylcyclohexane	55	Compound Not Detected.					
36 1,2-Dichloropropane	63	Compound Not Detected.					
37 Bromodichloromethane	83	Compound Not Detected.					
38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$ 40 Toluene-d8	98	7.782	7.782	(0.821)	316058	128.940	5.2
41 Toluene	91	7.861	7.861	(0.830)	21361	7.68811	0.52(a)
$ 42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	61692	121.791	4.9
43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
44 1,1,2-Trichloroethane	97	Compound Not Detected.					
45 Tetrachloroethene	164	8.495	8.489	(0.896)	32614	48.5289	3.3
$ 46 2-Hexanone-d5	63	8.599	8.599	(0.907)	75547	1313.16	53(Q)
47 2-Hexanone	43	Compound Not Detected.					
48 Dibromochloromethane	129	Compound Not Detected.					
49 1,2-Dibromoethane	107	Compound Not Detected.					
* 50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	211875	125.000	
51 Chlorobenzene	112	Compound Not Detected.					
52 Ethylbenzene	91	Compound Not Detected.					
53 m,p-Xylene	106	Compound Not Detected.					
55 o-Xylene	106	Compound Not Detected.					
54 Styrene	104	Compound Not Detected.					
56 Bromoform	172	Compound Not Detected.					
57 Isopropylbenzene	105	Compound Not Detected.					
$ 58 1,1,2,2-Tetrachloroethane-d2	84	11.056	11.050	(1.167)	28530	119.567	4.8
59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
60 1,3-Dichlorobenzene	146	Compound Not Detected.					
* 61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	102101	125.000	
62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	88120	120.564	4.8
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-1
Client Smp ID: MW-12S_050114DL
Inj Date : 12-MAY-2014 19:48
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-A-1
Misc Info : 1.7,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:31 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 17
Dil Factor: 1.70000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.70000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	615170	125.000
* 50 Chlorobenzene-d5	9.477	659958	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	612635	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.642	129196	26.2520586	1.8	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.434	373205	75.8335138	5.2	0		0	32
Unknown					CAS #:		
8.349	72347	13.7028573	0.93	0		0	50
Unknown					CAS #:		
11.171	104443	21.3102763	1.4	0		0	61

Data File: /chem/D.i/Dsvr.p/dlldsmtr.b/dlld17.d

Date : 12-MAY-2014 19:48

Client ID: MW-12S_050114DL

Sample Info: 200-22183-A-1

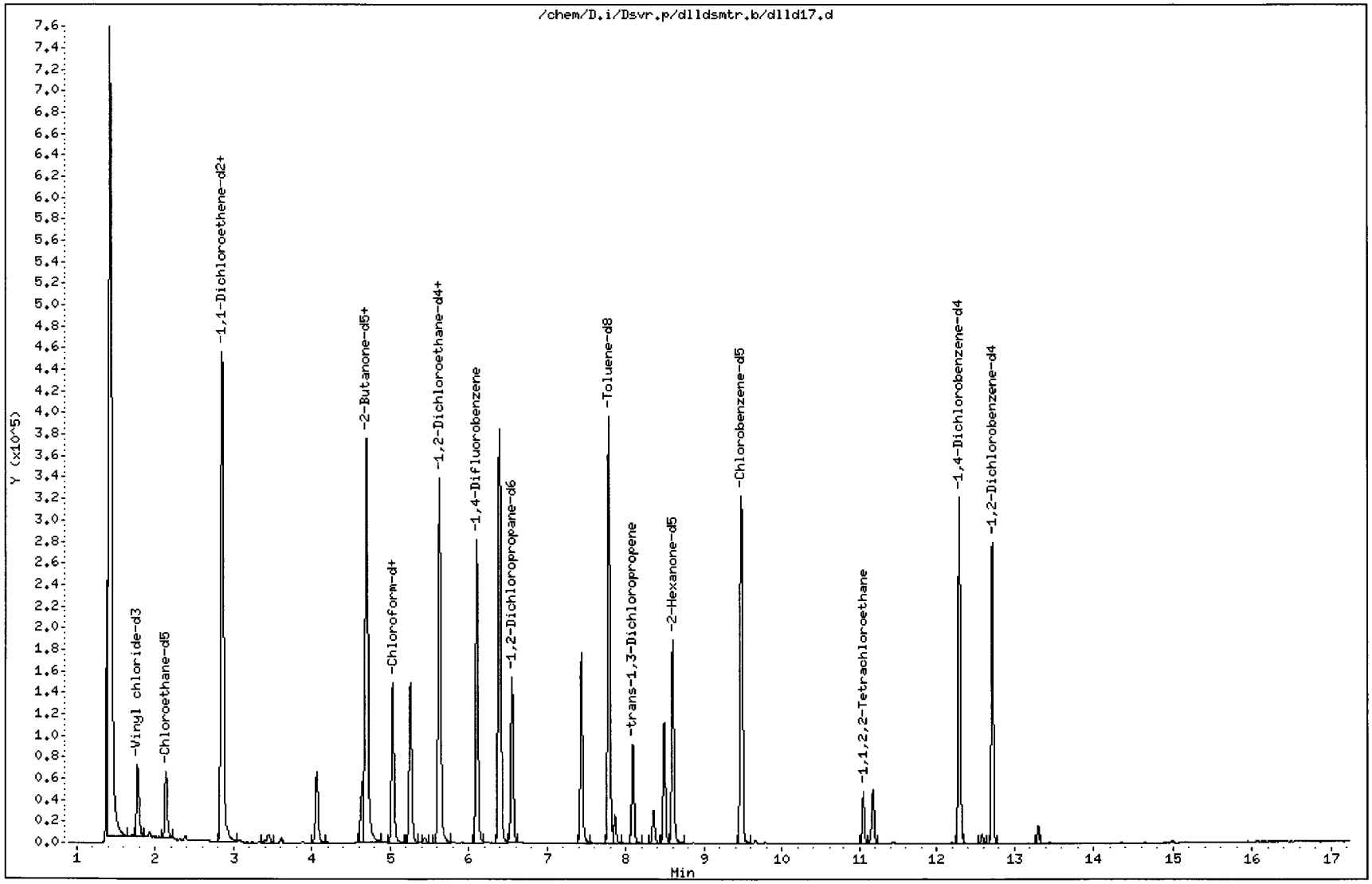
Purge Volume: 25.0

Column phase: DB-624

Instrument: D.i

Operator: JSW

Column diameter: 0.20



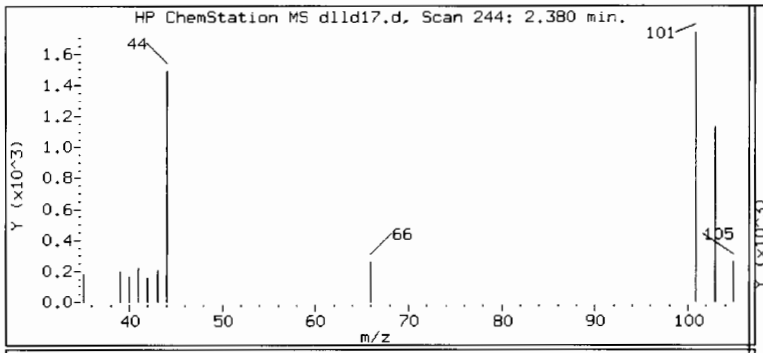
Data File: dlld17.d

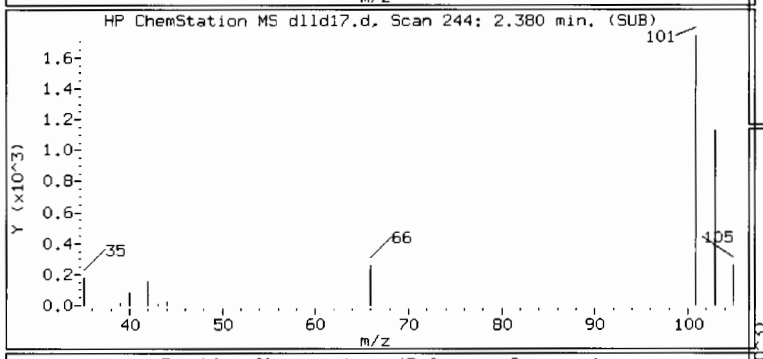
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

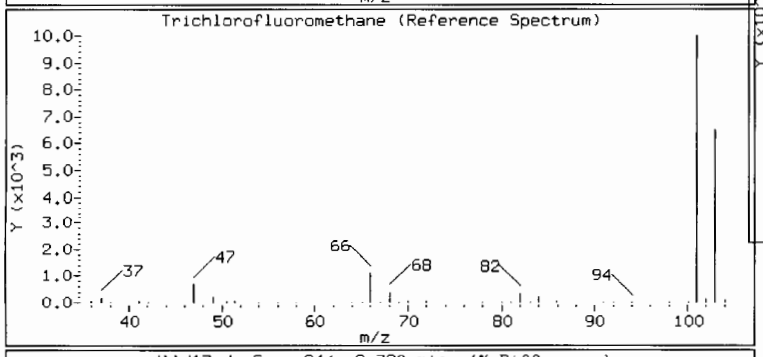
Client ID: MW-12S_050114DL Instrument: D.i

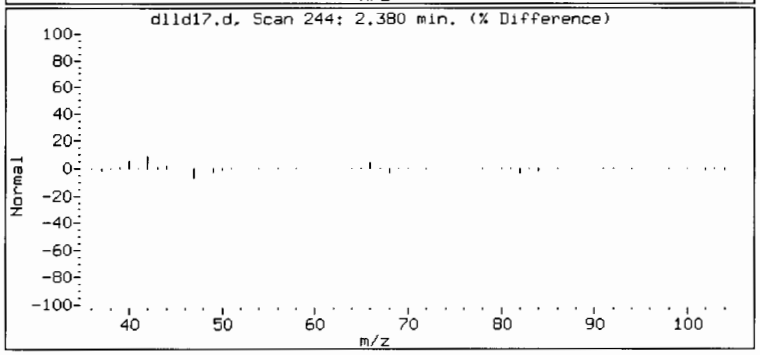
Sample Info: 200-22183-A-1 Operator: JSW

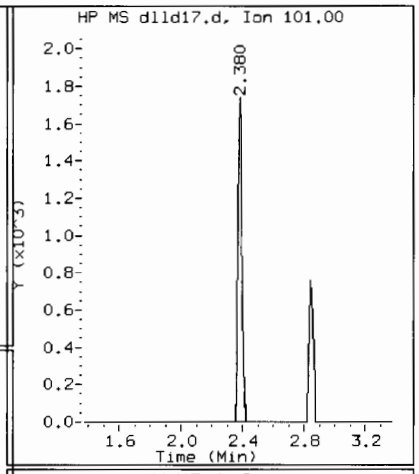
8 Trichlorofluoromethane

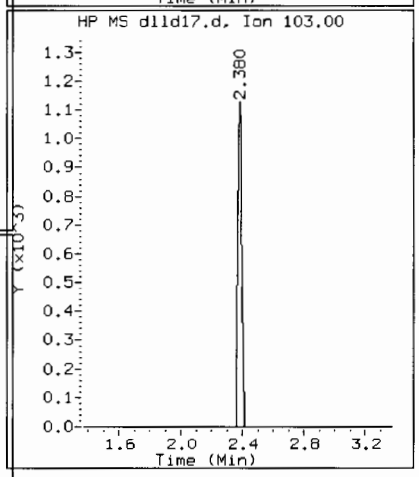












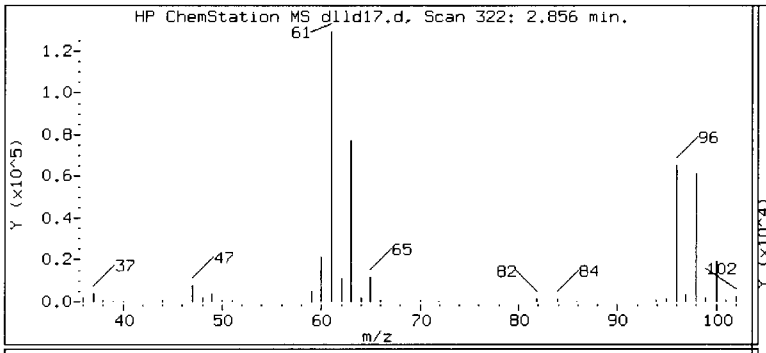
Data File: dlld17.d

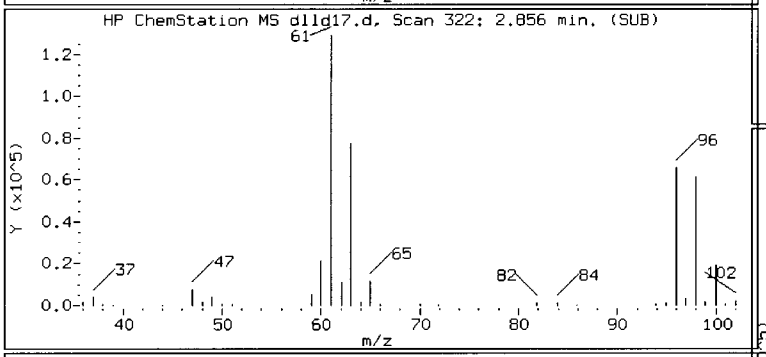
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

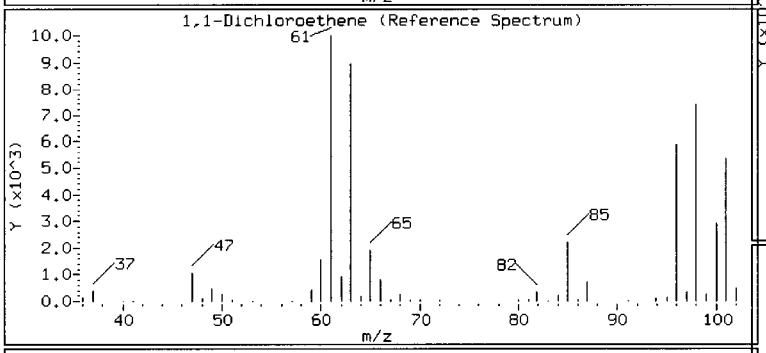
Client ID: MW-12S_050114DL Instrument: D.i

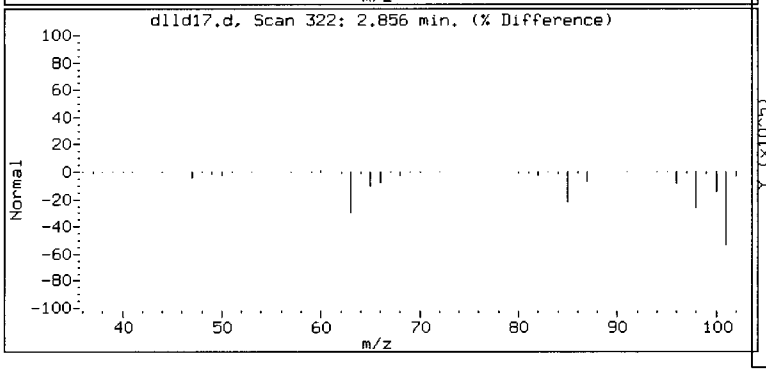
Sample Info: 200-22183-A-1 Operator: JSW

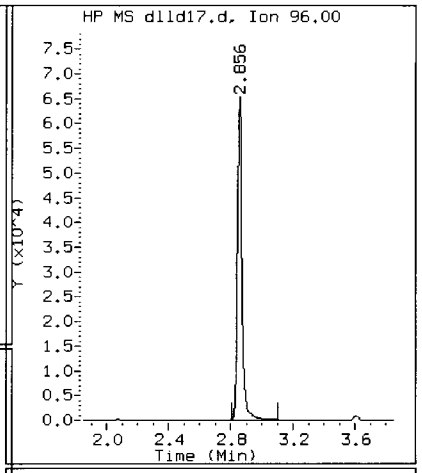
10 1,1-Dichloroethene

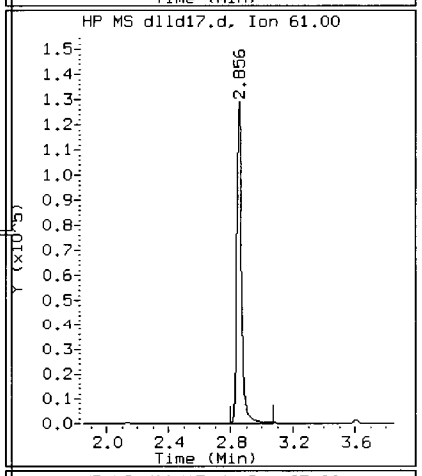


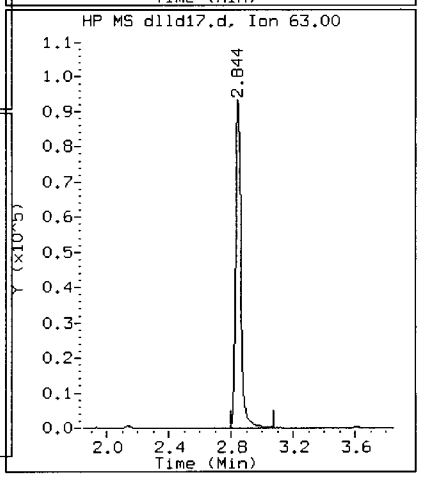












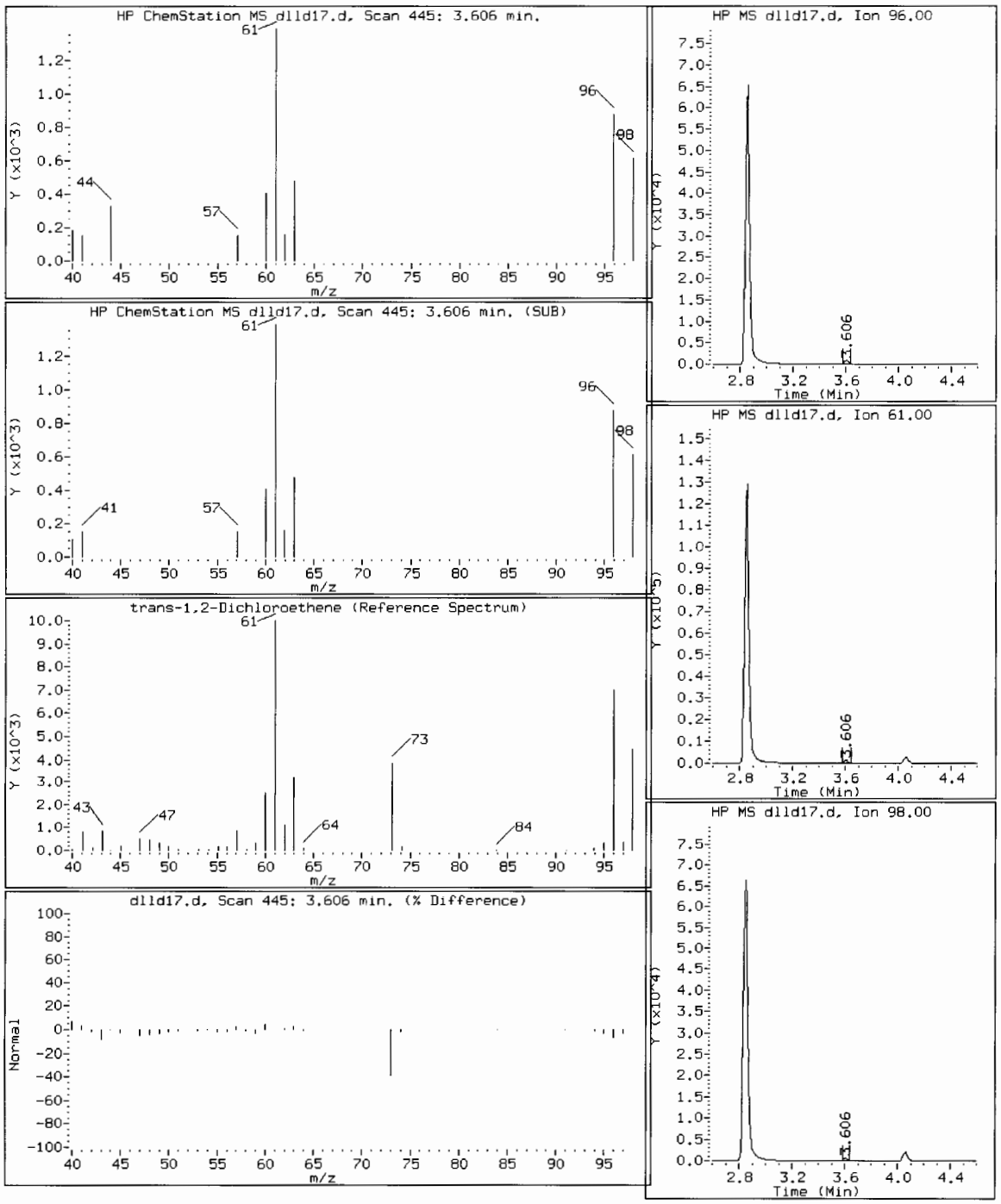
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

16 trans-1,2-Dichloroethene



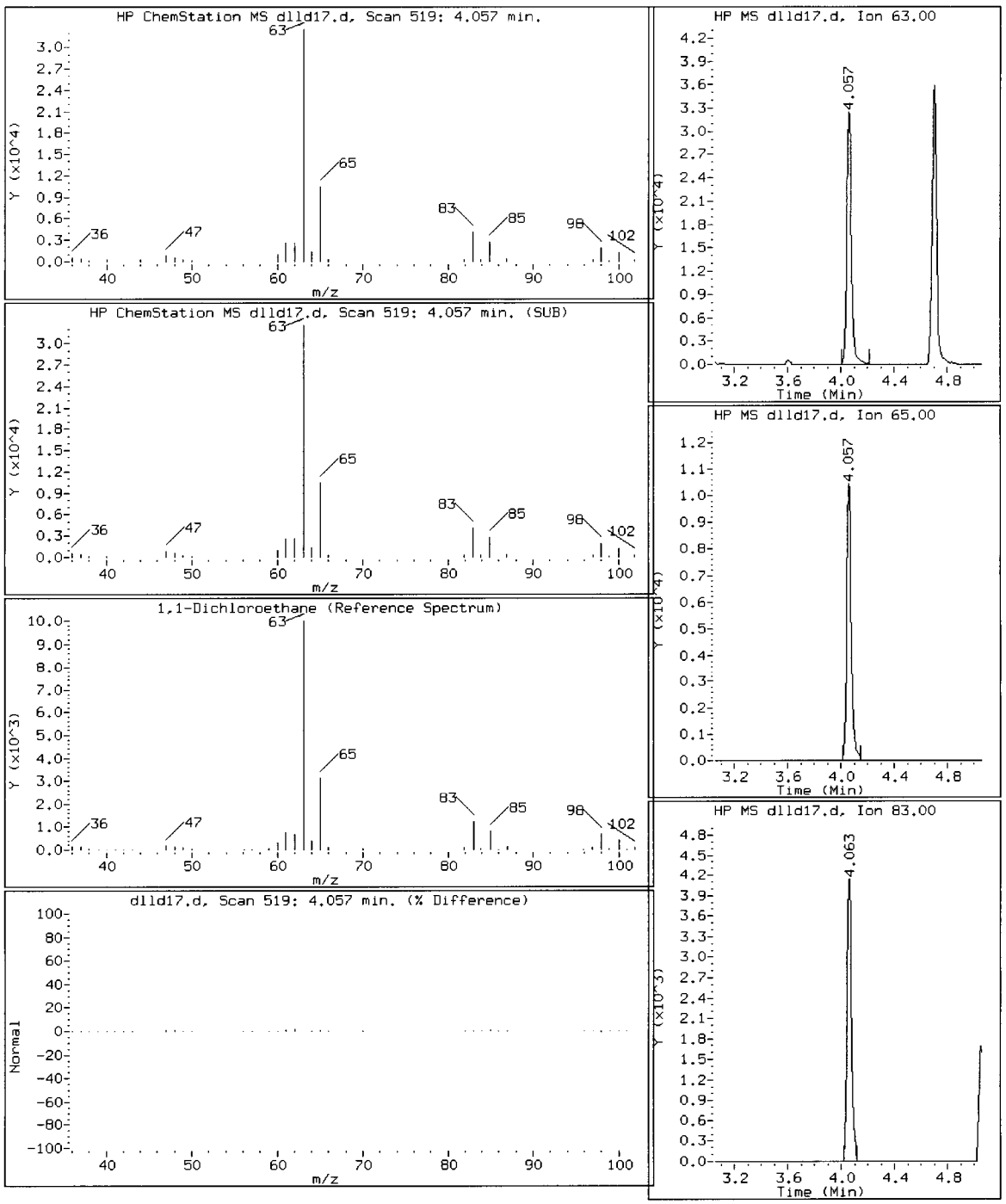
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

18 1,1-Dichloroethane



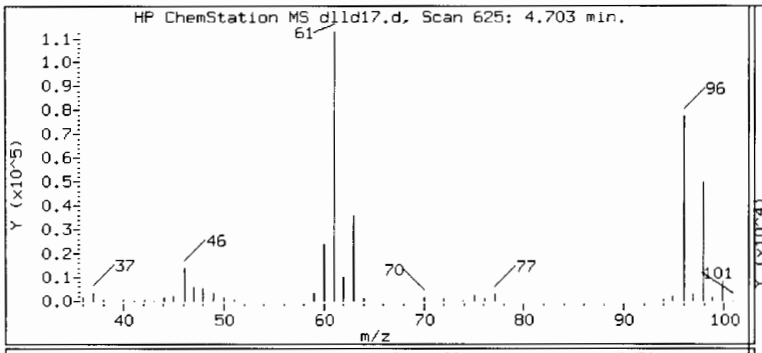
Data File: dlld17.d

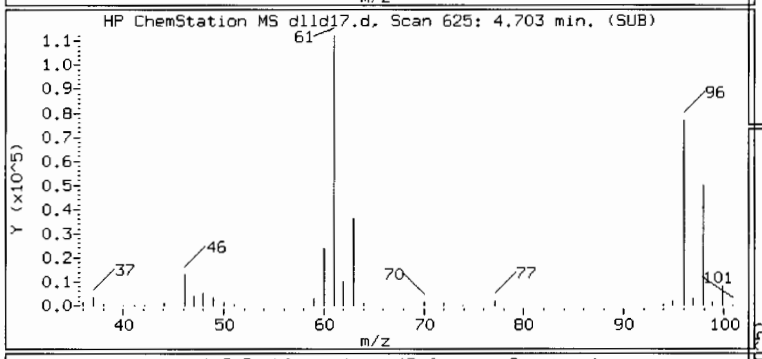
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

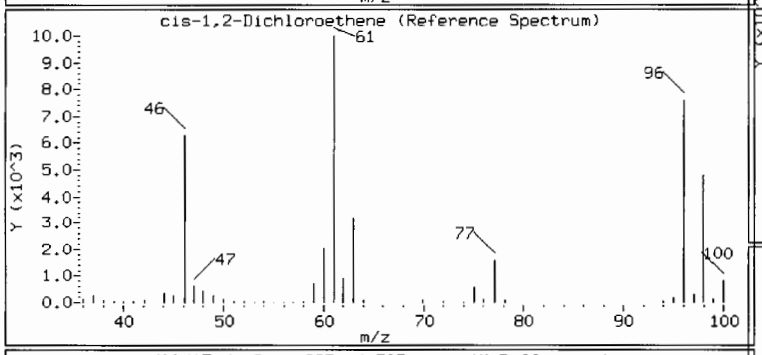
Client ID: MW-12S_050114DL Instrument: D.i

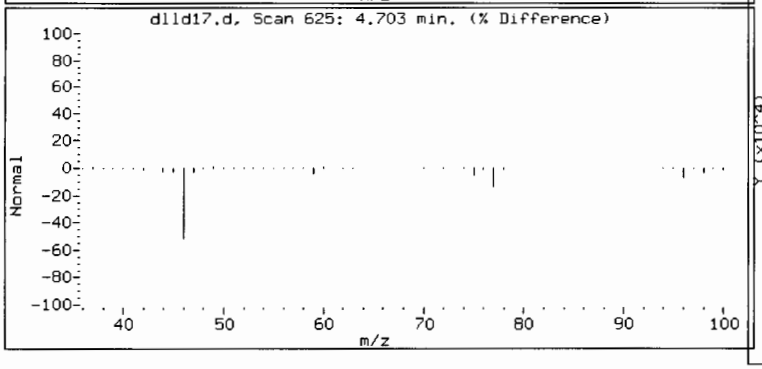
Sample Info: 200-22183-A-1 Operator: JSW

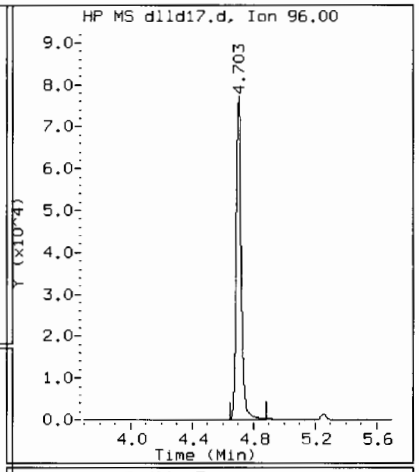
20 cis-1,2-Dichloroethene

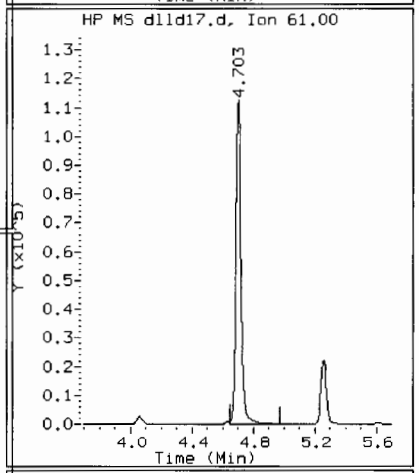


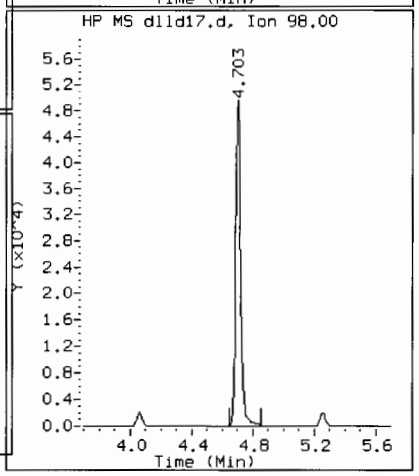












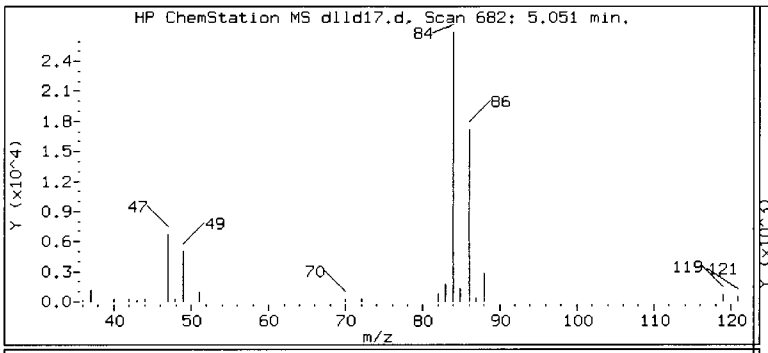
Data File: dlld17.d

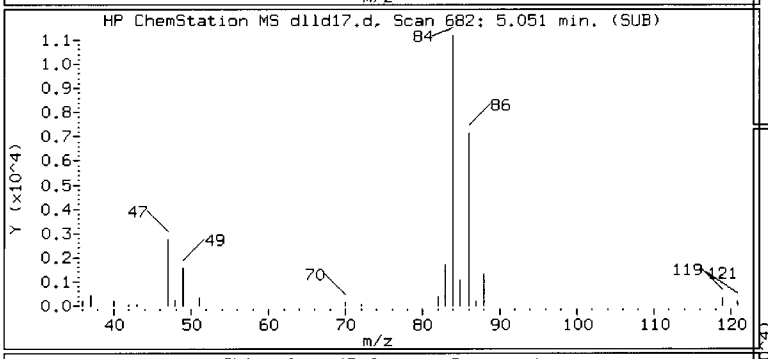
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

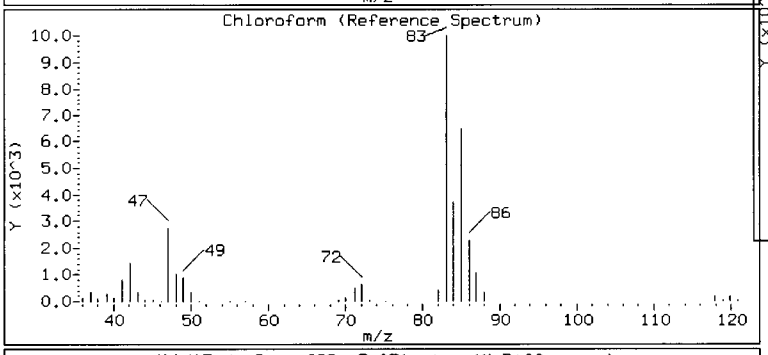
Client ID: MW-12S_050114DL Instrument: D.i

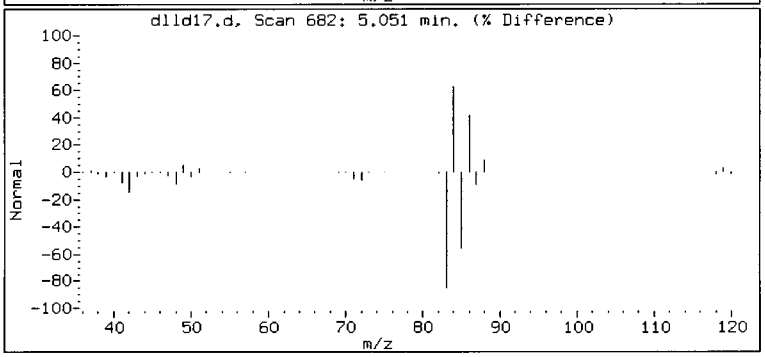
Sample Info: 200-22183-A-1 Operator: JSW

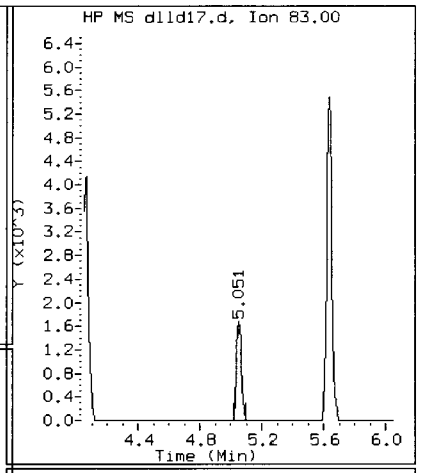
24 Chloroform

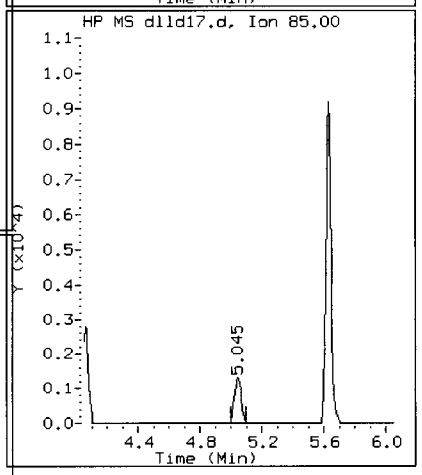












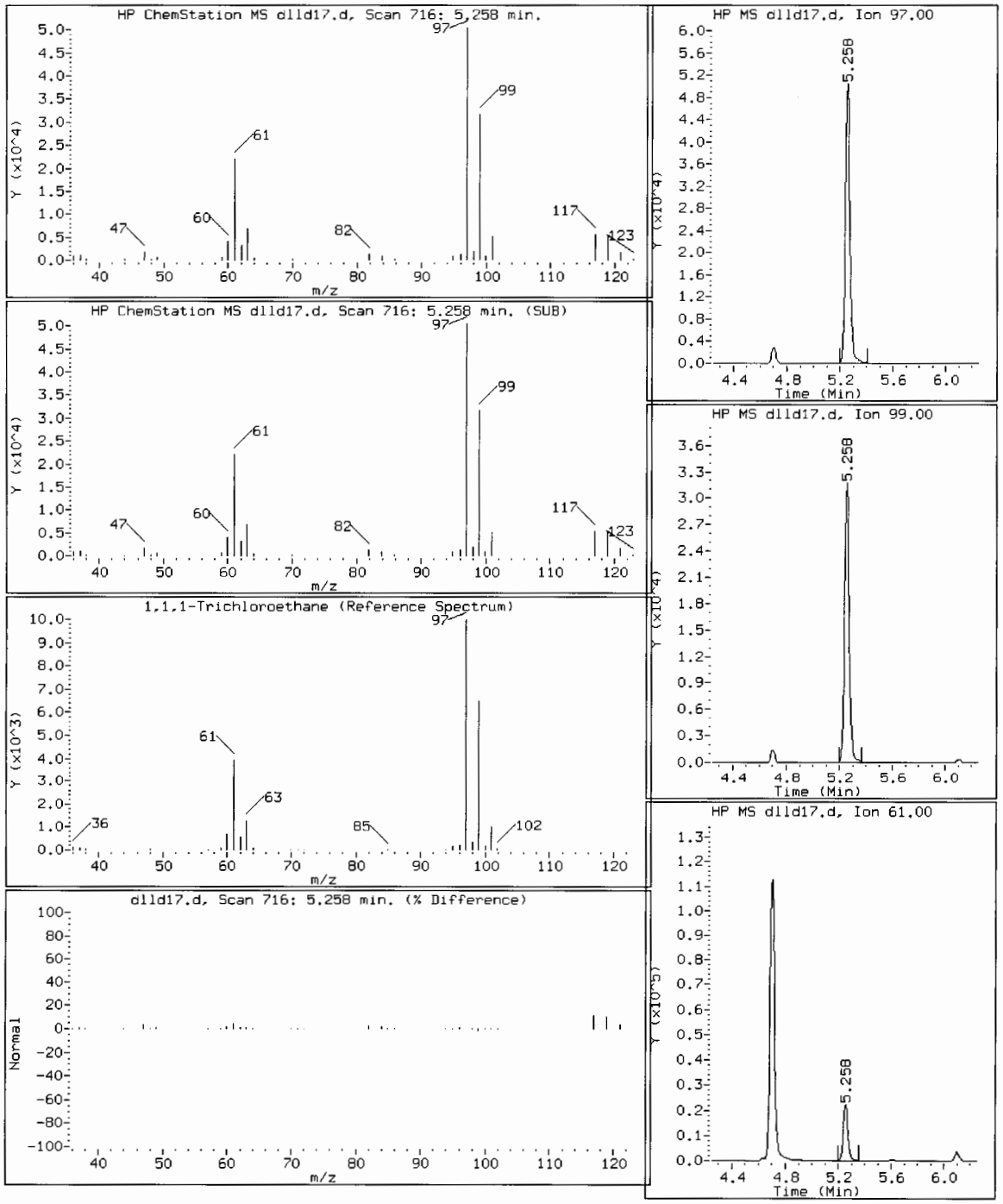
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

25 1,1,1-Trichloroethane



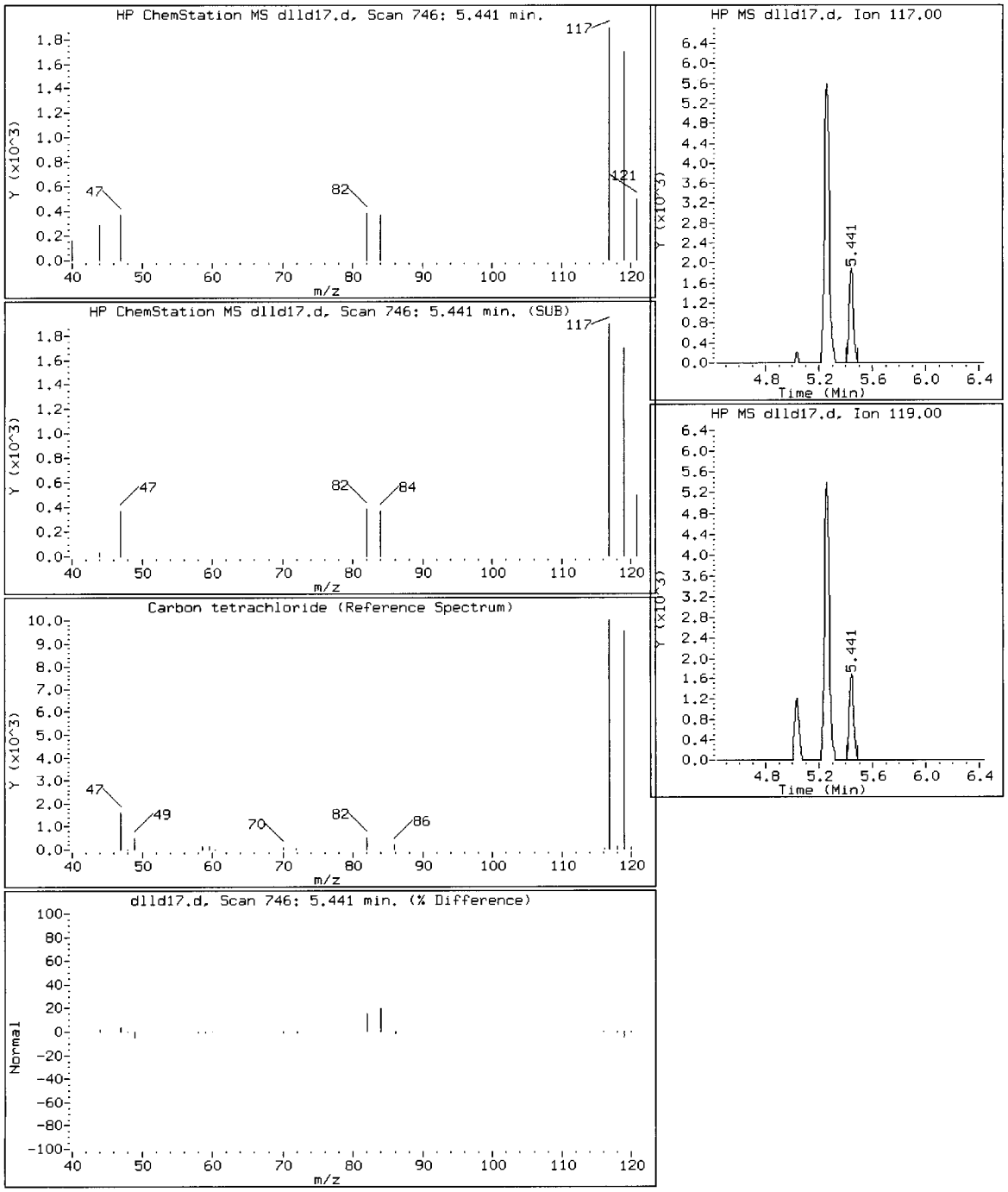
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

27 Carbon tetrachloride



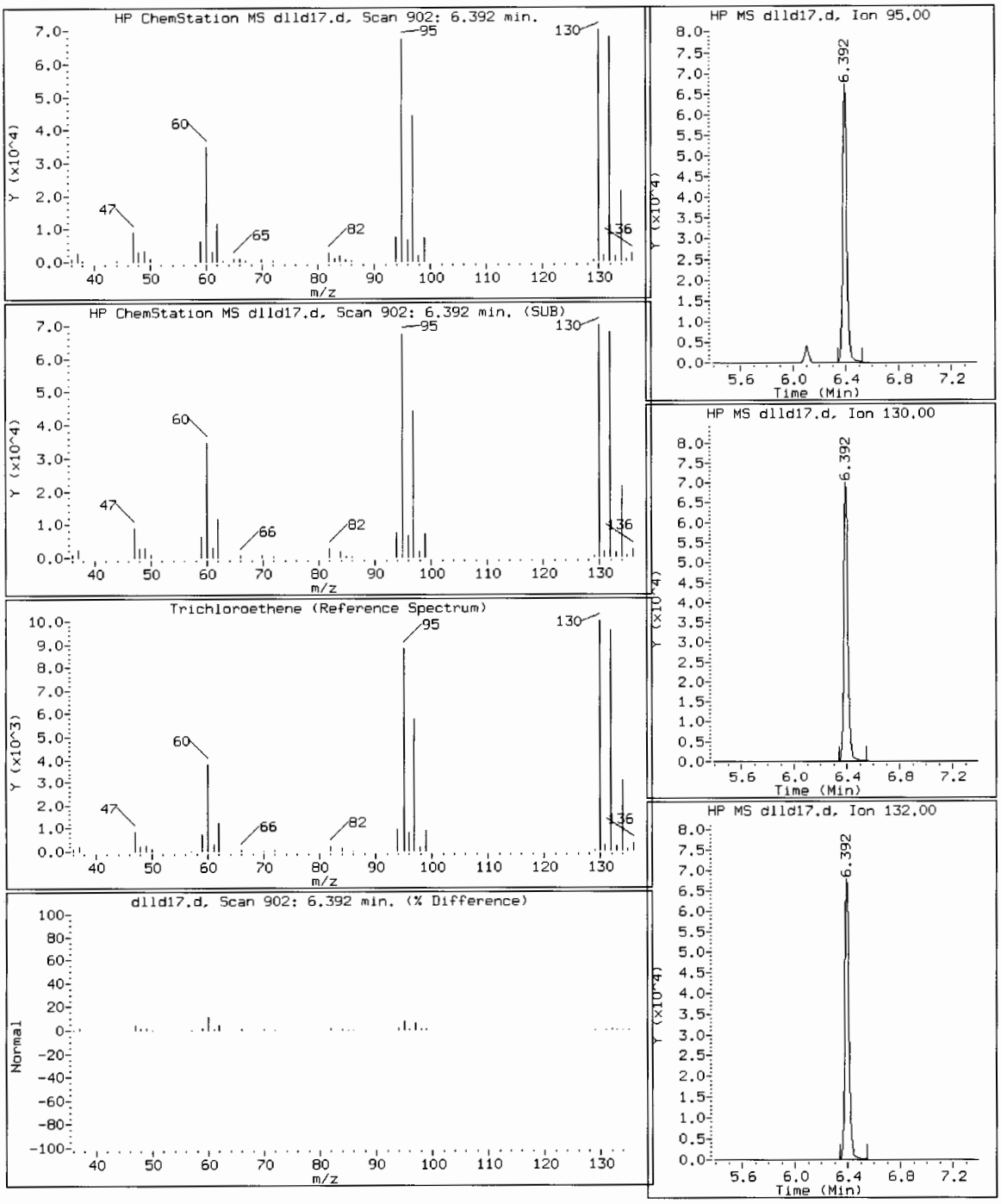
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

33 Trichloroethene



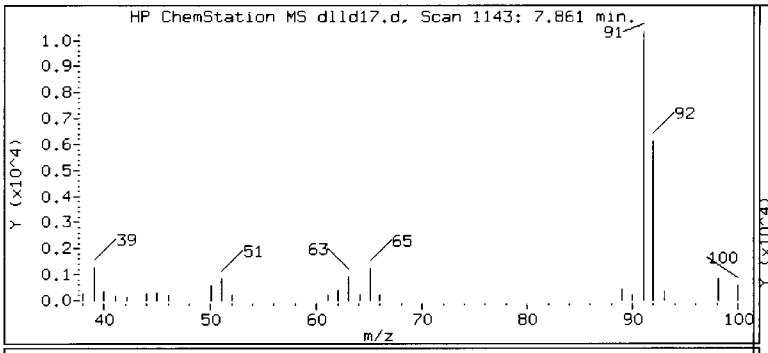
Data File: dlld17.d

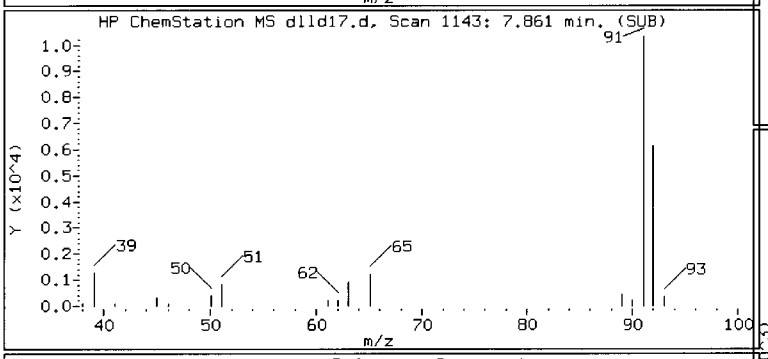
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

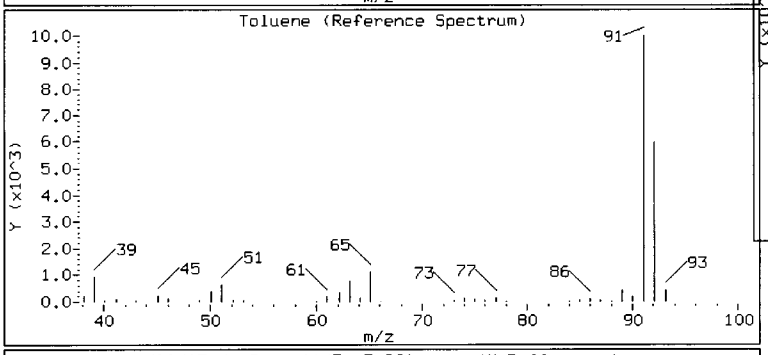
Client ID: MW-12S_050114DL Instrument: D.i

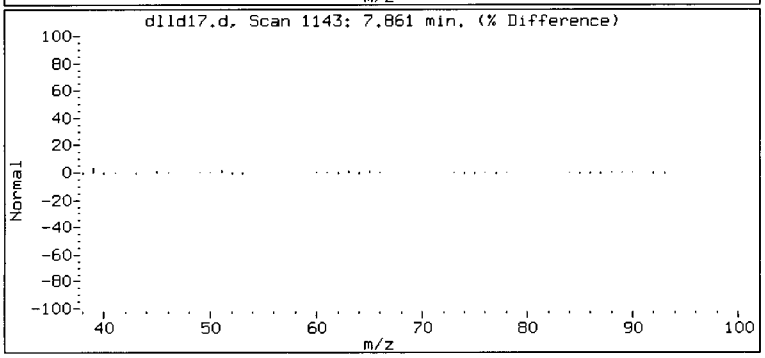
Sample Info: 200-22183-A-1 Operator: JSW

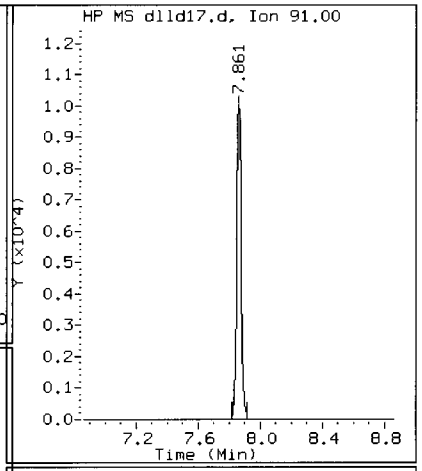
41 Toluene

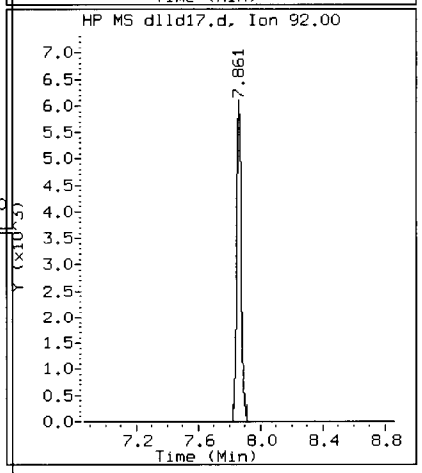












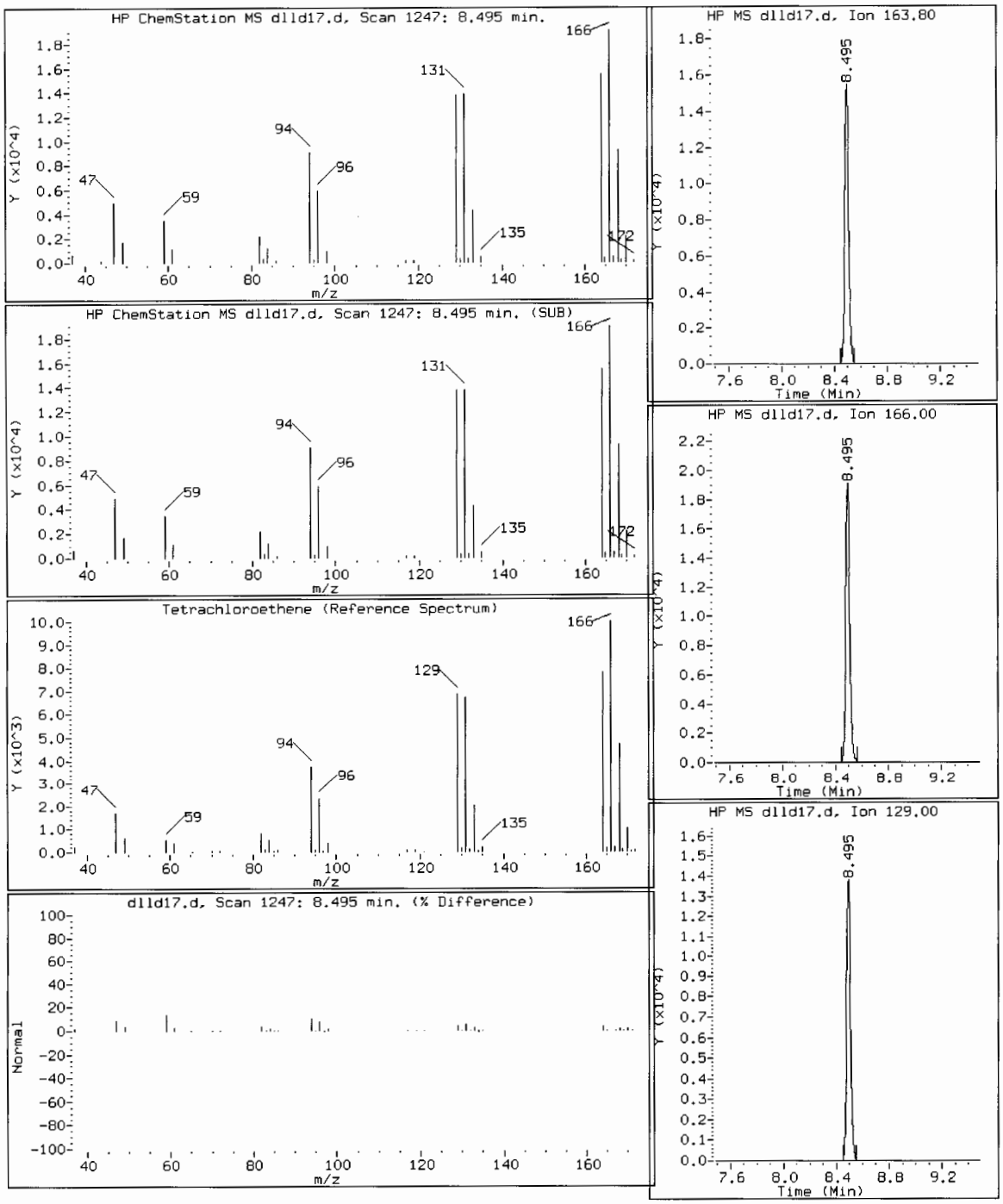
Data File: dlld17.d

Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

Client ID: MW-12S_050114DL Instrument: D.i

Sample Info: 200-22183-A-1 Operator: JSW

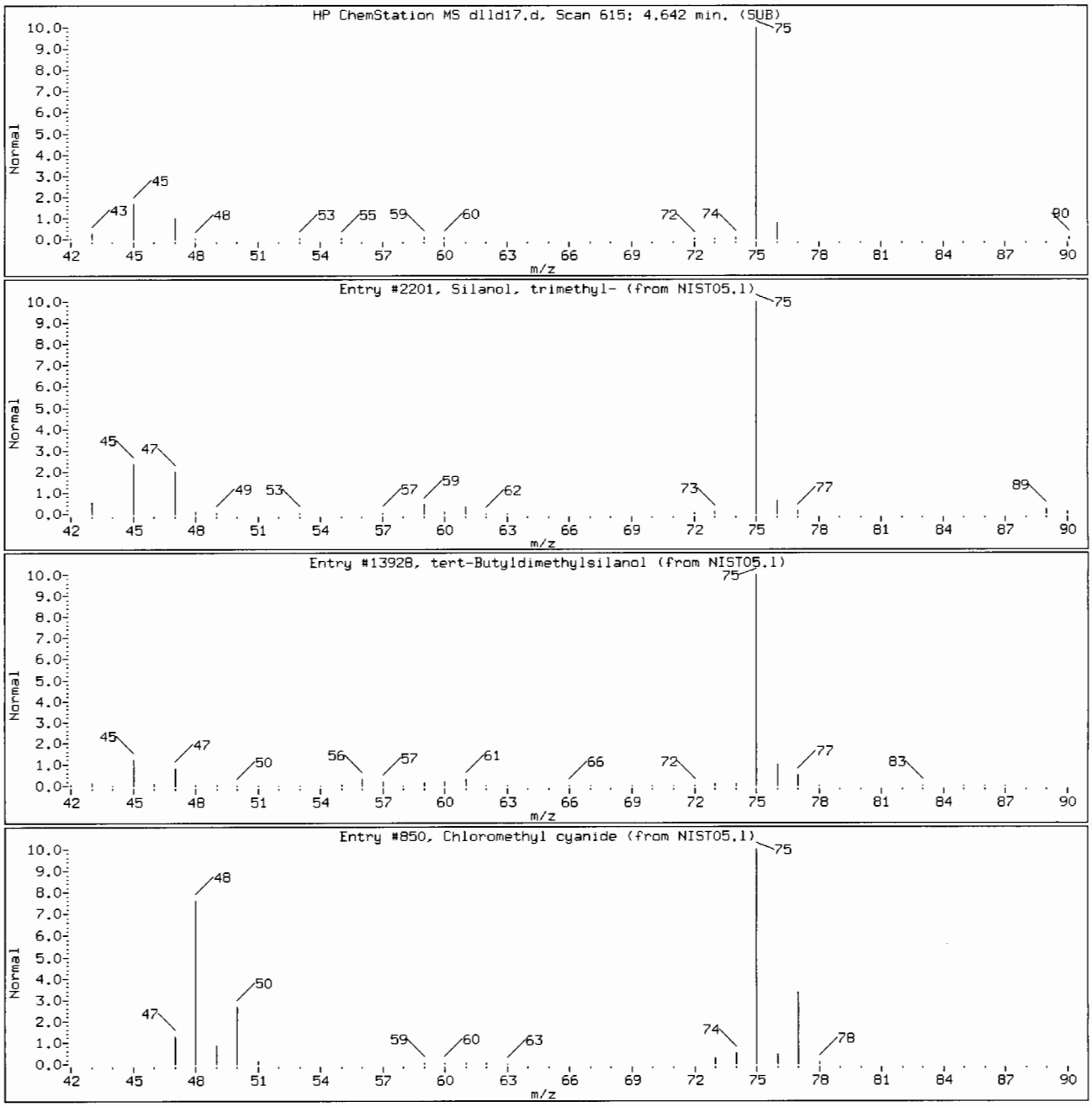
45 Tetrachloroethene



Data File: dlld17.d
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48
Client ID: MW-12S_050114DL Instrument: D.i
Sample Info: 200-22183-A-1 Operator: JSW

Retention Time: 4.64

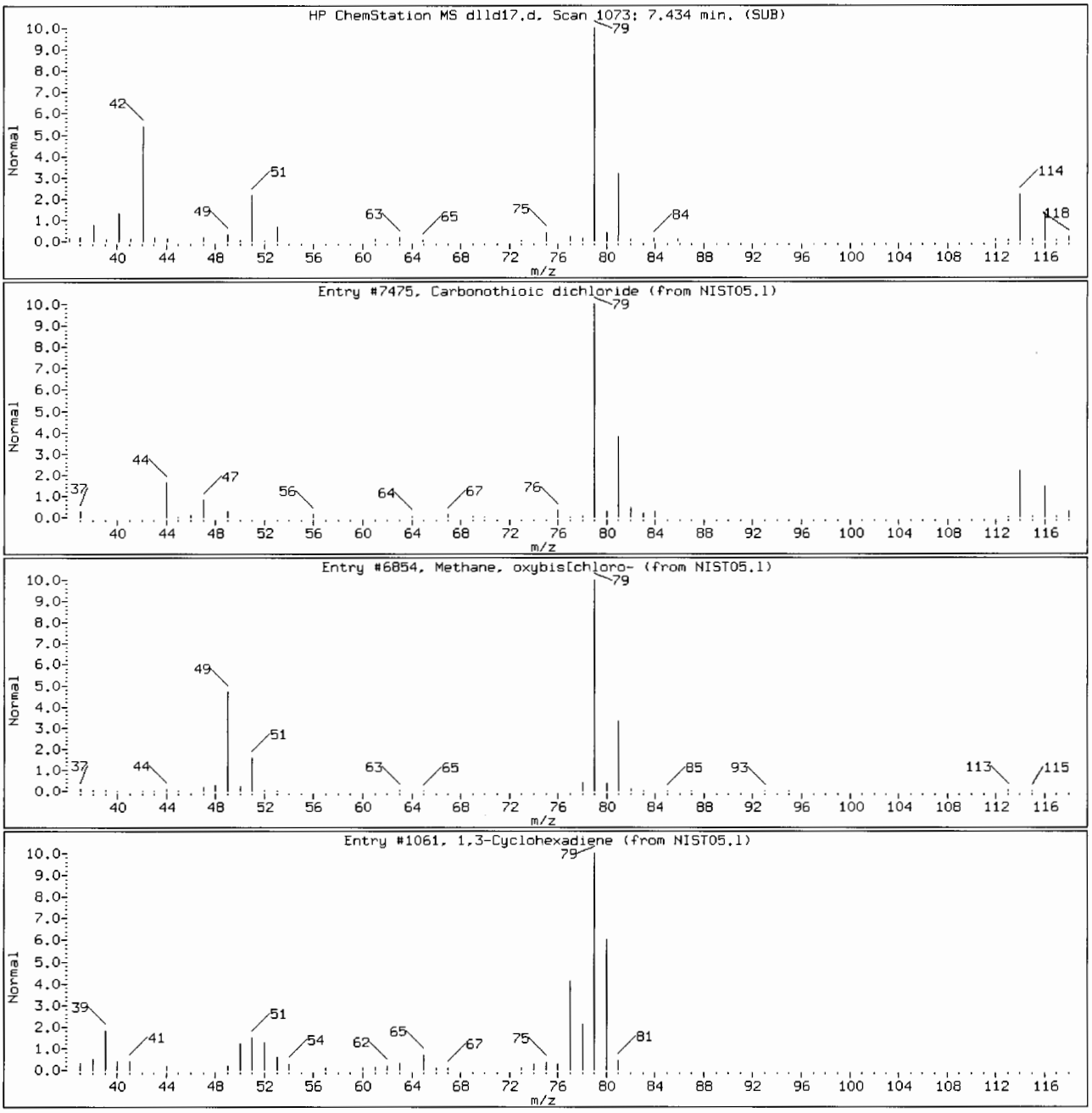
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2201	43	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NIST05.1	13928	43	C6H16OSi	132
Chloromethyl cyanide	107-14-2	NIST05.1	850	9	C2H2ClN	75



Data File: dlld17.d
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48
Client ID: MW-12S_050114DL Instrument: D.i
Sample Info: 200-22183-A-1 Operator: JSW

Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: d11d17.d

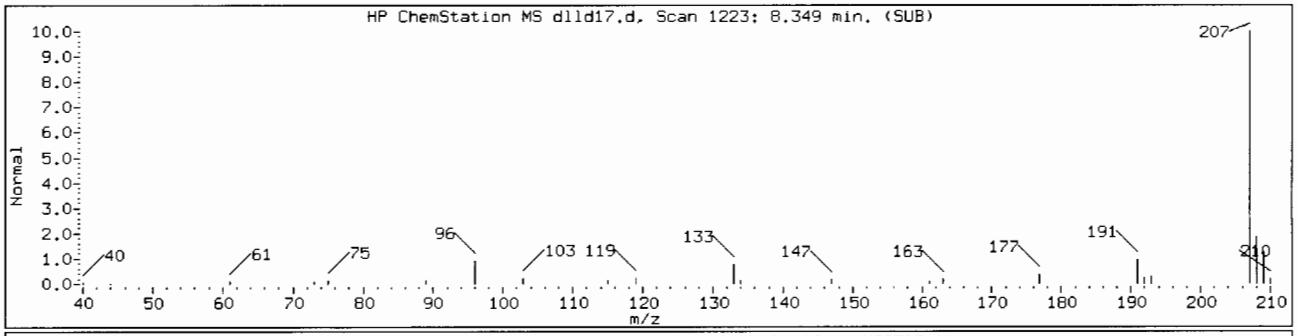
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48

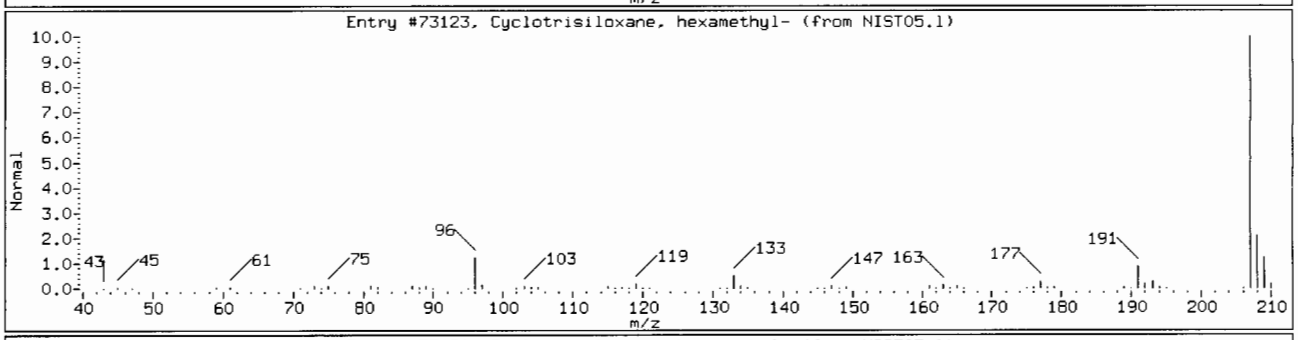
Client ID: MW-12S_050114DL Instrument: D.i

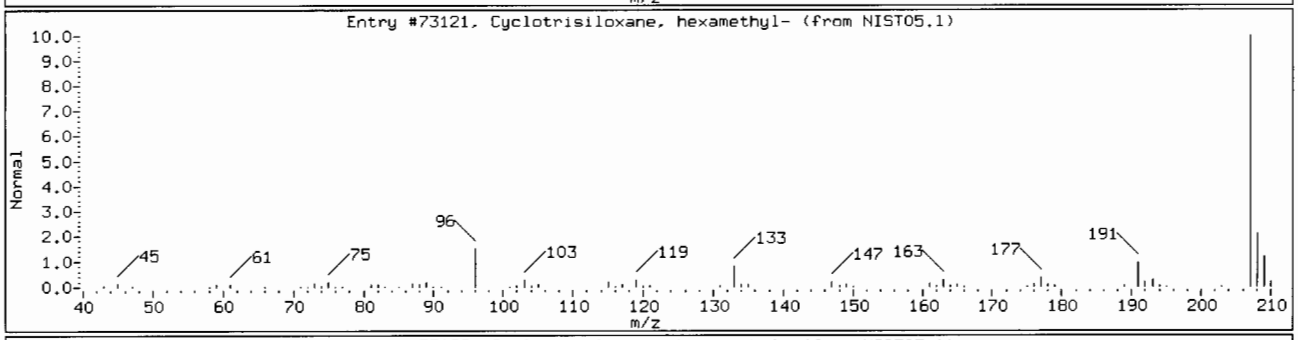
Sample Info: 200-22183-A-1 Operator: JSW

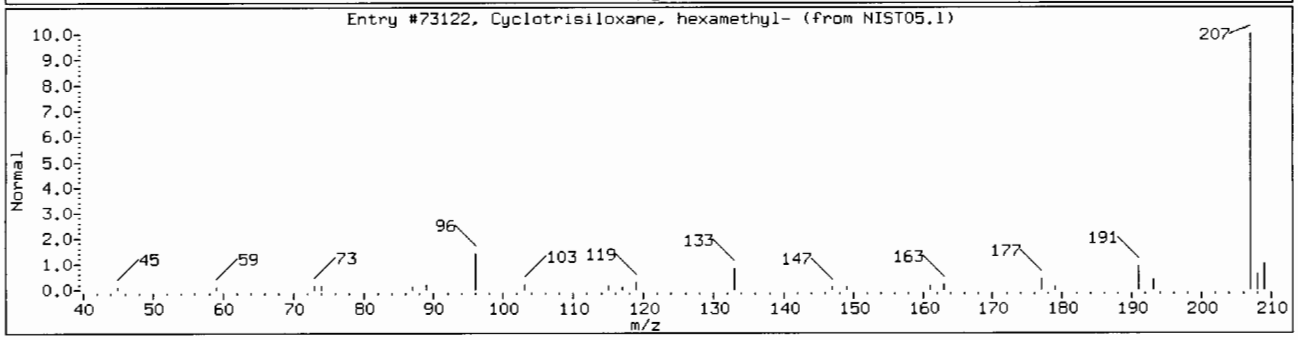
Retention Time: 8.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	47	C6H18O3Si3	222





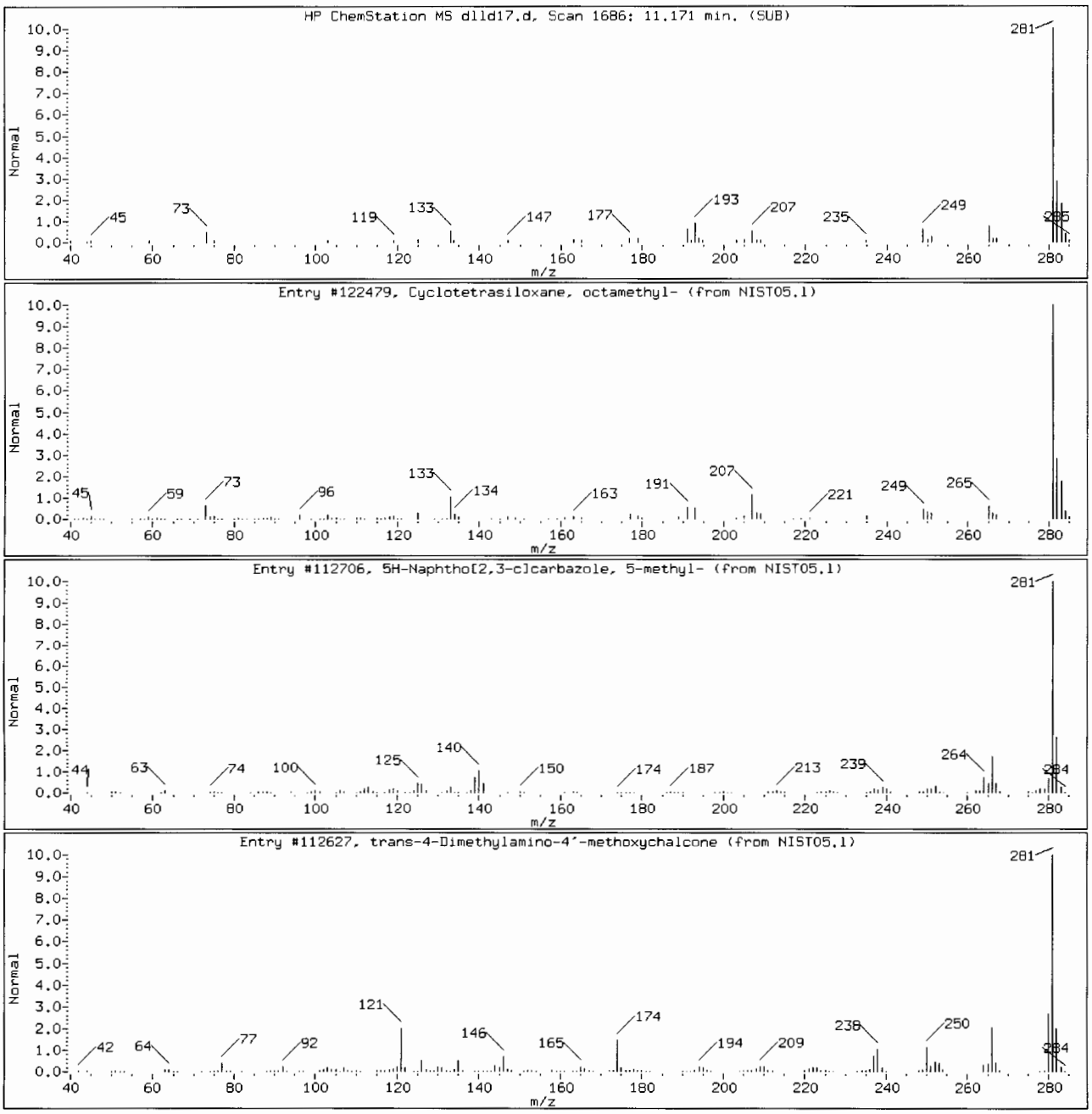




Data File: dlld17.d
Lab Sample ID: 200-22183-1 Date: 12-MAY-2014 19:48
Client ID: MW-12S_050114DL Instrument: D.i
Sample Info: 200-22183-A-1 Operator: JSW

Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.l	122479	78	C8H24O4Si4	296
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.l	112706	59	C21H15N	281
trans-4-Dimethylamino-4'-methoxych	52119-37-6	NIST05.l	112627	59	C18H19NO2	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: EB-4_050114
Lab Sample ID: 200-22183-2
Matrix: Water
Lab File ID: dlla27.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 16:35
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 21:43
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 71915
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.074
74-87-3	Chloromethane	0.50	U	0.50	0.062
75-01-4	Vinyl chloride	0.50	U	0.50	0.067
74-83-9	Bromomethane	0.50	U	0.50	0.069
75-00-3	Chloroethane	0.50	U	0.50	0.093
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.099
75-35-4	1,1-Dichloroethene	0.50	U	0.50	0.037
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.038
67-64-1	Acetone	5.0	U	5.0	0.92
75-15-0	Carbon disulfide	0.50	U	0.50	0.050
79-20-9	Methyl acetate	0.50	U	0.50	0.14
75-09-2	Methylene chloride	0.27	J	0.50	0.070
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.50	0.047
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.062
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.075
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	0.053
78-93-3	2-Butanone	5.0	U	5.0	0.89
74-97-5	Bromochloromethane	0.50	U	0.50	0.073
67-66-3	Chloroform	0.50	U	0.50	0.081
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.066
71-43-2	Benzene	0.50	U	0.50	0.064
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.089
79-01-6	Trichloroethene	0.50	U	0.50	0.080
108-87-2	Methylcyclohexane	0.50	U	0.50	0.077
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.070
75-27-4	Bromodichloromethane	0.50	U	0.50	0.061
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.060
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.82
108-88-3	Toluene	0.50	U	0.50	0.068
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.22
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.087
127-18-4	Tetrachloroethene	0.50	U	0.50	0.078
591-78-6	2-Hexanone	5.0	U	5.0	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: EB-4_050114 | Lab Sample ID: 200-22183-2

Matrix: Water | Lab File ID: dlla27.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 16:35

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 21:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 71915 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.067
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.058
108-90-7	Chlorobenzene	0.50	U	0.50	0.063
100-41-4	Ethylbenzene	0.50	U	0.50	0.059
95-47-6	o-Xylene	0.50	U	0.50	0.065
179601-23-1	m,p-Xylene	0.50	U	0.50	0.068
100-42-5	Styrene	0.50	U	0.50	0.061
75-25-2	Bromoform	0.50	U	0.50	0.083
98-82-8	Isopropylbenzene	0.50	U	0.50	0.058
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.091
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.064
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.059
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.072
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.16
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.066
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.091

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	107		65-131
19199-91-8	Chloroethane-d5	106		71-131
22280-73-5	1,1-Dichloroethene-d2	82		55-104
24313-50-6	2-Butanone-d5	99		49-155
865-49-6	Chloroform-d	100		78-121
17060-07-0	1,2-Dichloroethane-d4	111		78-129
1076-43-3	Benzene-d6	100		77-124
93952-08-0	1,2-Dichloropropane-d6	87		79-124
2037-26-5	Toluene-d8	100		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	95		73-121
4840-82-8	2-Hexanone-d5	99		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	94		73-125
2199-69-1	1,2-Dichlorobenzene-d4	96		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: EB-4_050114 Lab Sample ID: 200-22183-2

Matrix: Water Lab File ID: dlla27.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:35

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 21:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 71915 Units: ug/L

Number TICs Found: 3 TIC Result Total: 4.27

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	0.63	J
	Unknown	7.43	3.0	J B
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.64	J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: EB-4_050114 Lab Sample ID: 200-22183-2

Matrix: Water Lab File ID: dlla27.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:35

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 21:43

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 71915 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-2
Client Smp ID: EB-4_050114
Inj Date : 08-MAY-2014 21:43
Operator : MTP Inst ID: D.i
Smp Info : 200-22183-B-2
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 10:52 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	101293	134.074	5.4
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.130	2.131	(0.349)	75962	132.820	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	159015	102.482	4.1
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	3.325	3.325	(0.545)	4002	6.77133	0.27(a)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	105907	1235.96	49
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	162968	124.578	5.0
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.611	5.612	(0.919)	63919	138.150	5.5
$	29 Benzene-d6	84	5.630	5.630	(0.594)	386169	125.442	5.0
	30 Benzene	78	5.672	5.673	(0.599)	1709	0.53919	0.022(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	327971	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	93479	108.470	4.3
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	380946	124.977	5.0
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	74470	118.226	4.7
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	163	Compound Not Detected.					
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	88550	1237.75	50
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.476	9.477	(1.000)	263473	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.049	11.050	(1.166)	34690	116.912	4.7
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	131362	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	112855	120.012	4.8
	64 1,2-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-2
Client Smp ID: EB-4_050114
Inj Date : 08-MAY-2014 21:43
Operator : MTP Inst ID: D.i
Smp Info : 200-22183-B-2
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 10:52 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dl107.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	727351	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	741147	125.000

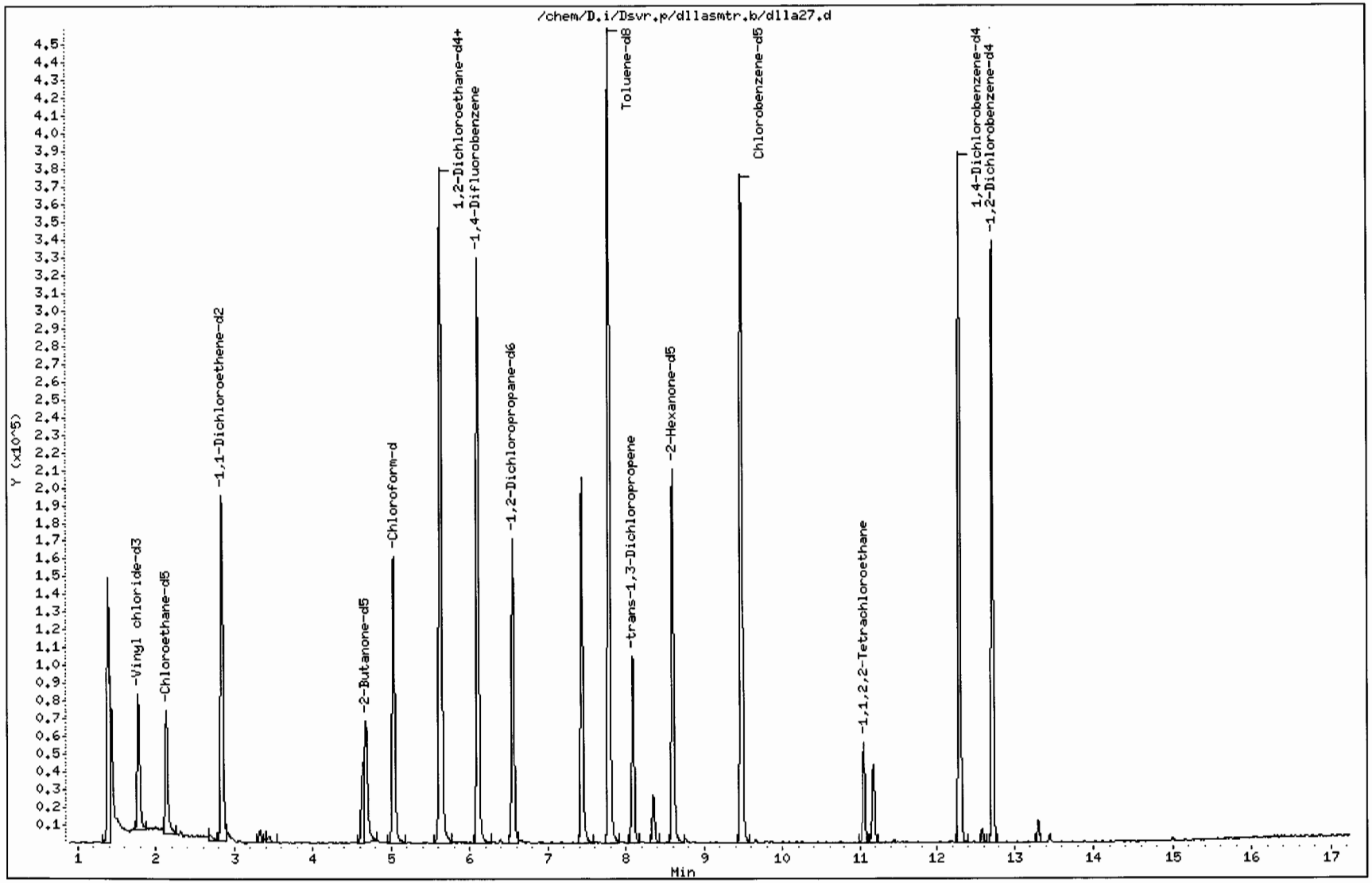
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.636	92369	15.8742539	0.63	0		0	32
Unknown				CAS #:			
7.434	440584	75.7171242	3.0	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	94223	15.8914136	0.64	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla27.d
Date : 08-MAY-2014 21:43
Client ID: EB-4_050114
Sample Info: 200-22183-B-2
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



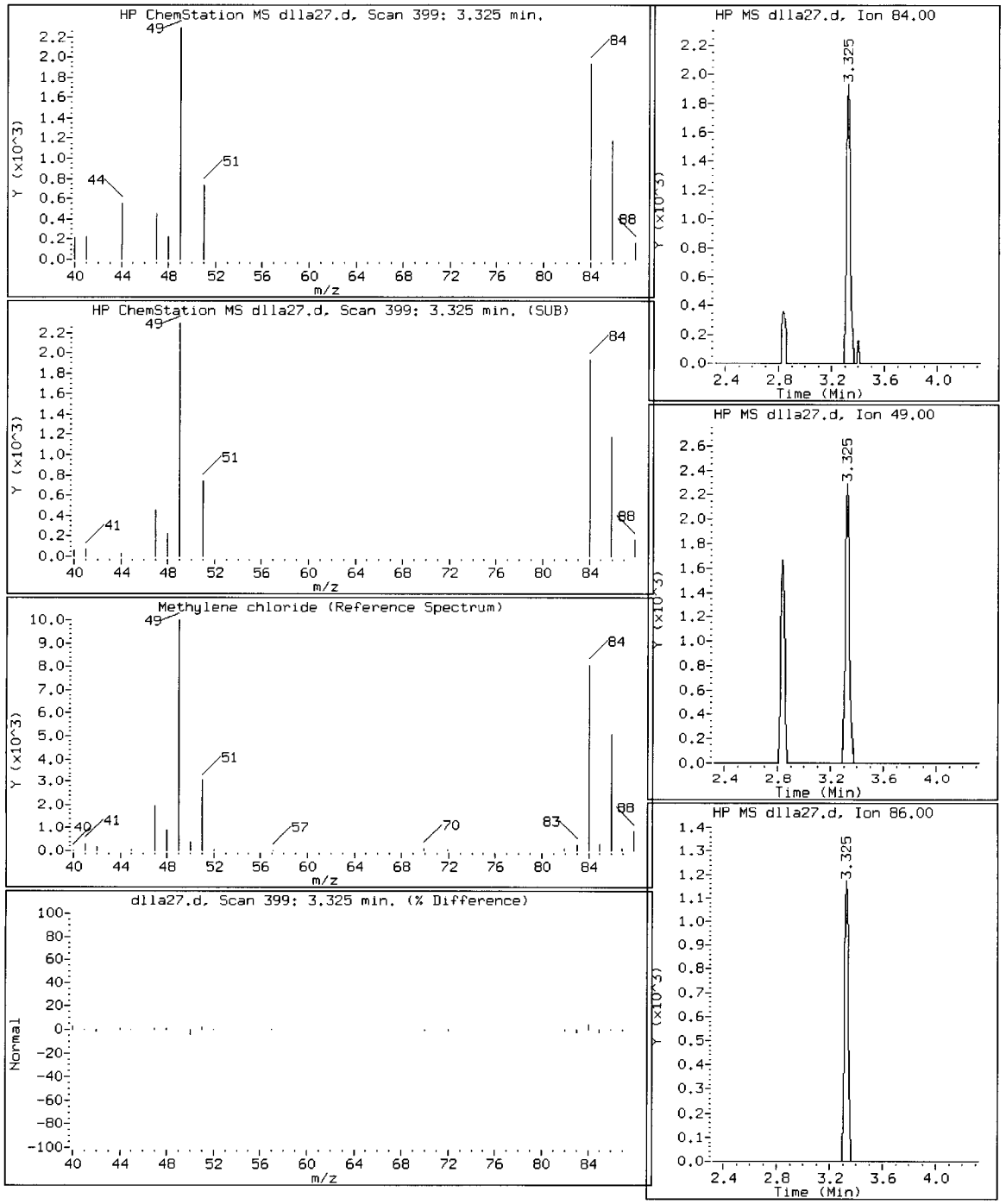
Data File: dlla27.d

Lab Sample ID: 200-22183-2 Date: 08-MAY-2014 21:43

Client ID: EB-4_050114 Instrument: D.i

Sample Info: 200-22183-B-2 Operator: MTP

15 Methylene chloride



Data File: d11a27.d

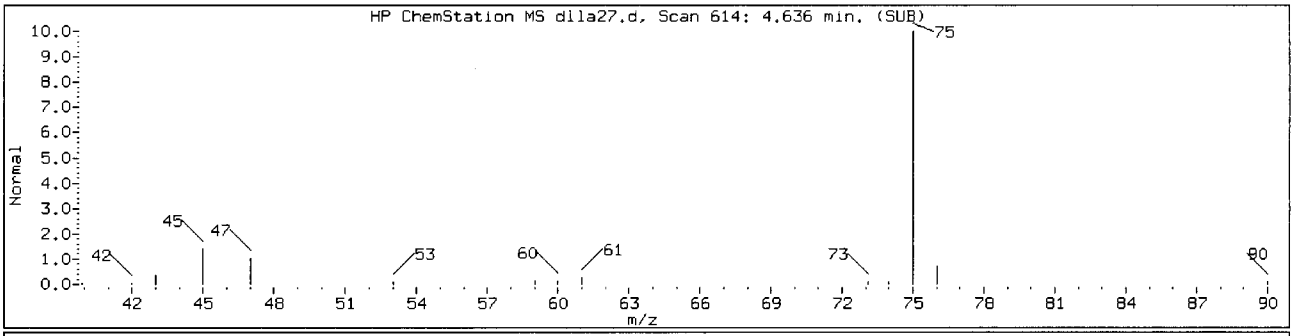
Lab Sample ID: 200-22183-2 Date: 08-MAY-2014 21:43

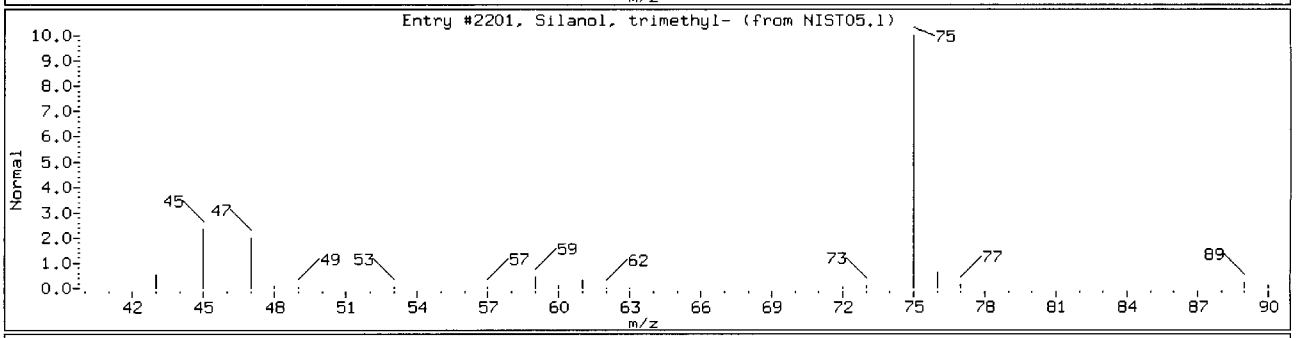
Client ID: EB-4_050114 Instrument: D.i

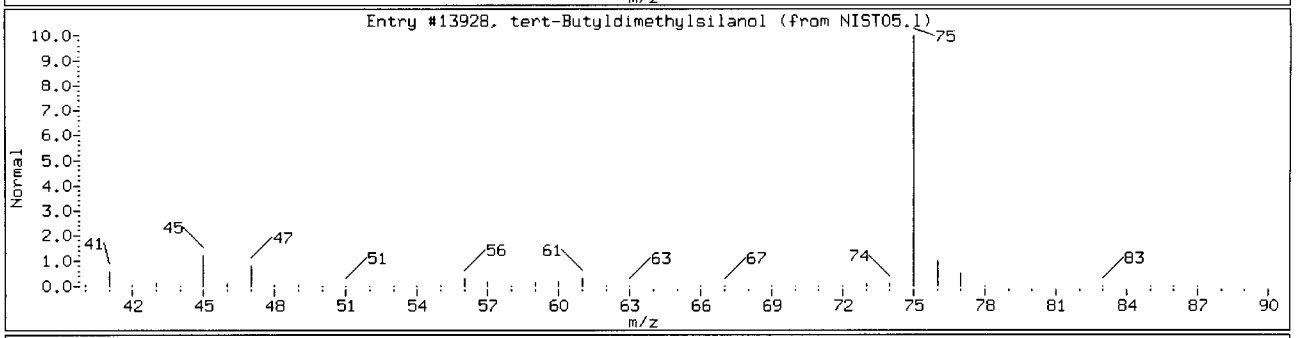
Sample Info: 200-22183-B-2 Operator: MTP

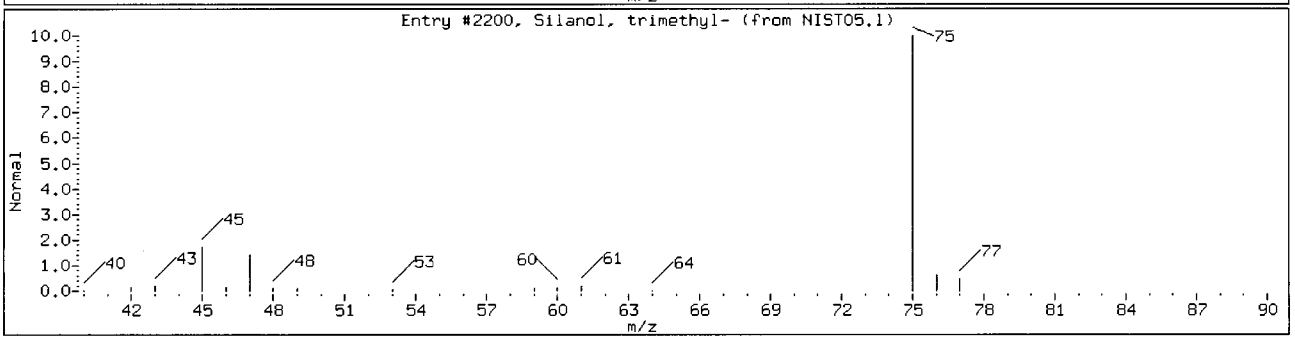
Retention Time: 4.64

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2201	83	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NIST05.1	13928	74	C6H16OSi	132
Silanol, trimethyl-	1066-40-6	NIST05.1	2200	74	C3H10OSi	90





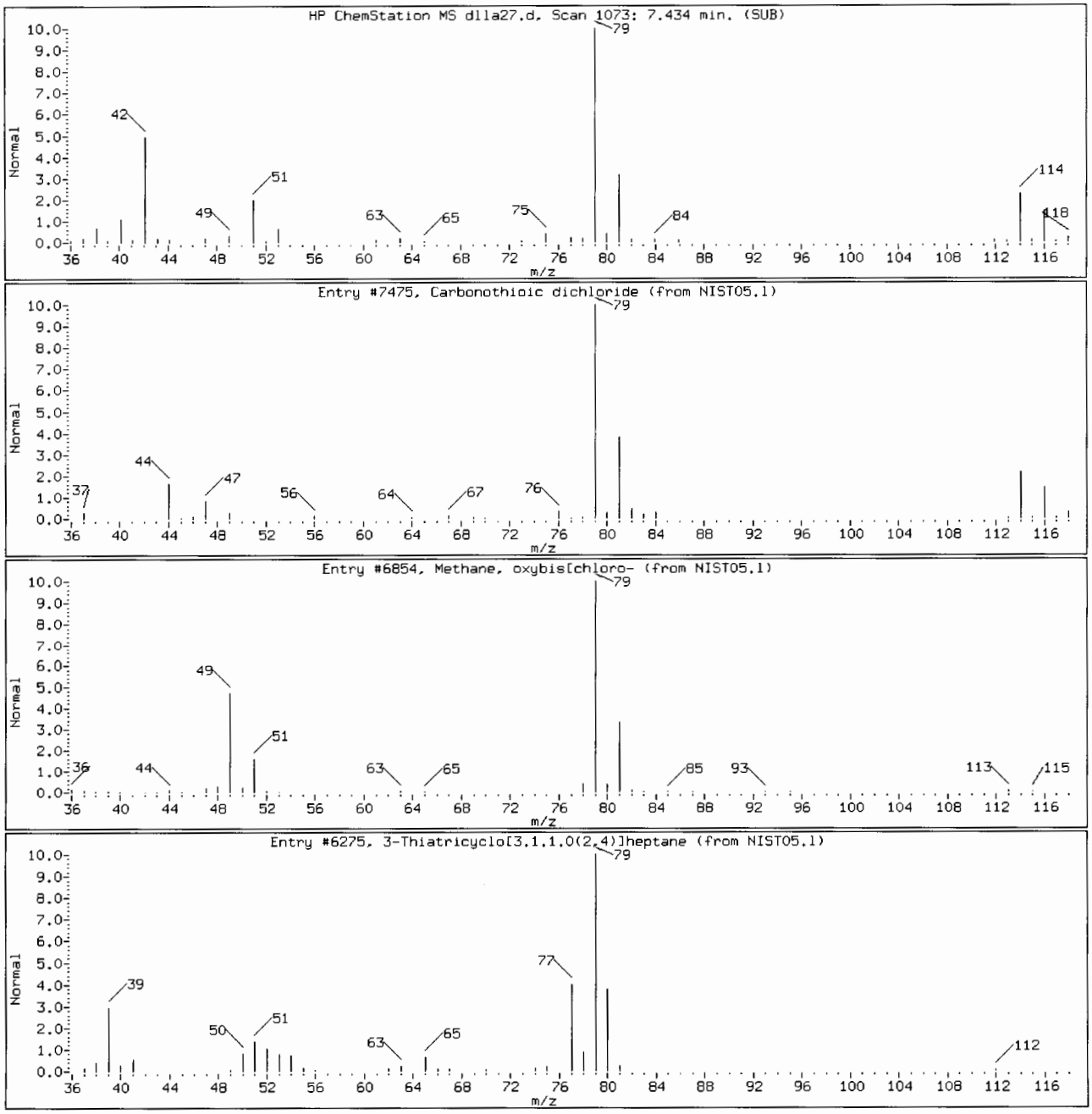




Data File: dlla27.d
Lab Sample ID: 200-22183-2 Date: 08-MAY-2014 21:43
Client ID: EB-4_050114 Instrument: D.i
Sample Info: 200-22183-B-2 Operator: MTP

Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112



Data File: d11a27.d

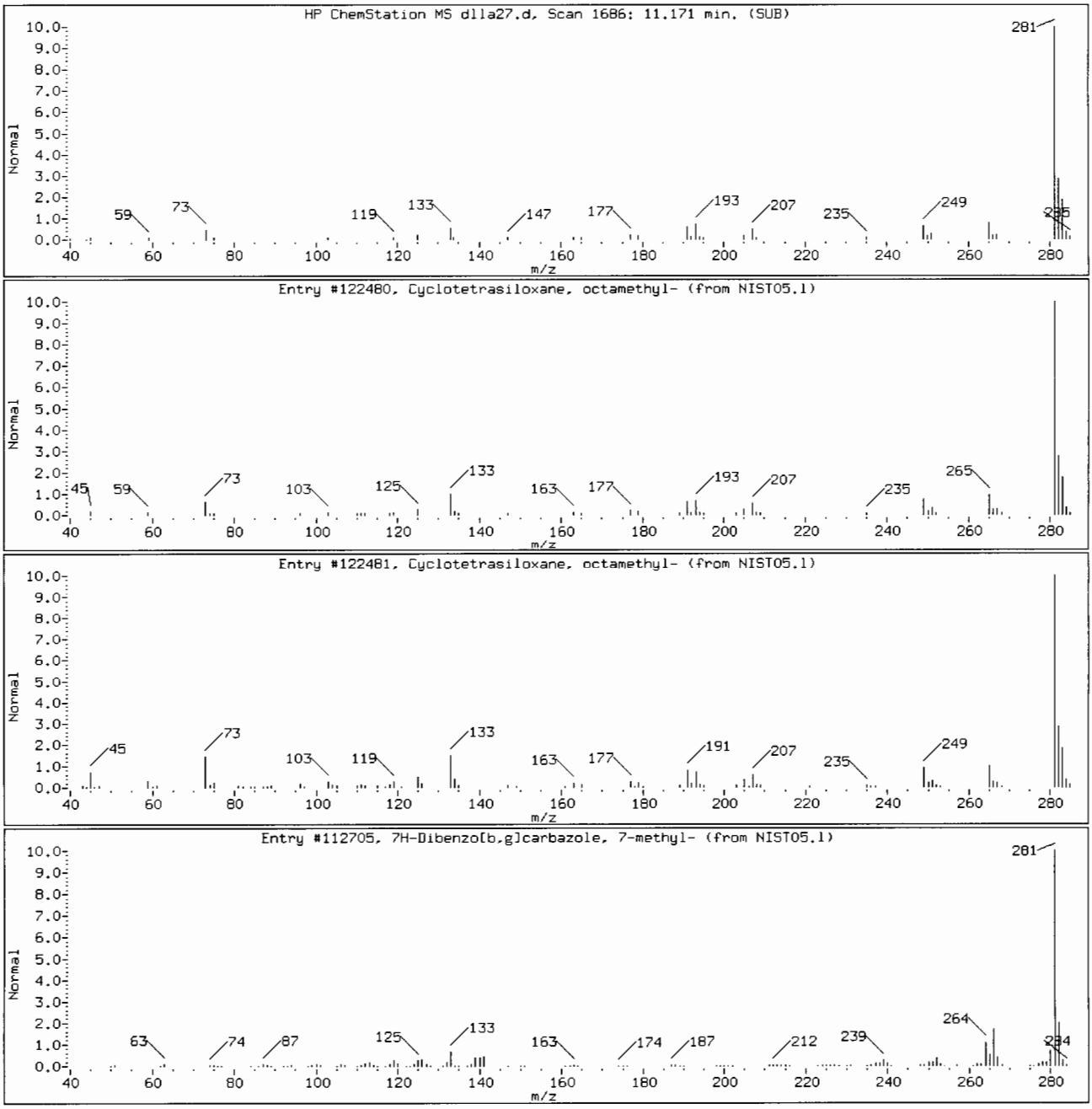
Lab Sample ID: 200-22183-2 Date: 08-MAY-2014 21:43

Client ID: EB-4_050114 Instrument: D.i

Sample Info: 200-22183-B-2 Operator: MTP

Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	91	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	91	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	50	C21H15N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-24S_050114
Lab Sample ID: 200-22183-3
Matrix: Water
Lab File ID: dlle06.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 16:23
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 12:07
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.074
74-87-3	Chloromethane	0.50	U	0.50	0.062
75-01-4	Vinyl chloride	0.50	U	0.50	0.067
74-83-9	Bromomethane	0.24	J B	0.50	0.069
75-00-3	Chloroethane	0.50	U	0.50	0.093
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.099
75-35-4	1,1-Dichloroethene	2.4		0.50	0.037
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	0.50	U	0.50	0.038
67-64-1	Acetone	5.0	U	5.0	0.92
75-15-0	Carbon disulfide	0.50	U	0.50	0.050
79-20-9	Methyl acetate	0.50	U	0.50	0.14
75-09-2	Methylene chloride	0.50	U	0.50	0.070
156-60-5	trans-1,2-Dichloroethene	0.22	J	0.50	0.047
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.062
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.075
156-59-2	*cis-1,2-Dichloroethene*	*24*	*E*	*0.50*	*0.053*
78-93-3	2-Butanone	5.0	U	5.0	0.89
74-97-5	Bromochloromethane	0.50	U	0.50	0.073
67-66-3	Chloroform	0.50	U	0.50	0.081
71-55-6	1,1,1-Trichloroethane	2.7		0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.066
71-43-2	Benzene	0.50	U	0.50	0.064
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.089
79-01-6	*Trichloroethene*	*34*	*E*	*0.50*	*0.080*
108-87-2	Methylcyclohexane	0.50	U	0.50	0.077
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.070
75-27-4	Bromodichloromethane	0.50	U	0.50	0.061
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.060
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.82
108-88-3	Toluene	0.49	J	0.50	0.068
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.22
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.087
127-18-4	Tetrachloroethene	5.3		0.50	0.078
591-78-6	2-Hexanone	5.0	U	5.0	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 | Lab Sample ID: 200-22183-3

Matrix: Water | Lab File ID: dlle06.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) | Date Analyzed: 05/13/2014 12:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72092 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.067
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.058
108-90-7	Chlorobenzene	0.50	U	0.50	0.063
100-41-4	Ethylbenzene	0.50	U	0.50	0.059
95-47-6	o-Xylene	0.50	U	0.50	0.065
179601-23-1	m,p-Xylene	0.50	U	0.50	0.068
100-42-5	Styrene	0.50	U	0.50	0.061
75-25-2	Bromoform	0.50	U	0.50	0.083
98-82-8	Isopropylbenzene	0.50	U	0.50	0.058
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.091
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.064
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.059
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.072
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.16
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.066
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.091

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	116		65-131
19199-91-8	Chloroethane-d5	122		71-131
22280-73-5	1,1-Dichloroethene-d2	105	X	55-104
24313-50-6	2-Butanone-d5	111		49-155
865-49-6	Chloroform-d	110		78-121
17060-07-0	1,2-Dichloroethane-d4	134	X	78-129
1076-43-3	Benzene-d6	104		77-124
93952-08-0	1,2-Dichloropropane-d6	90		79-124
2037-26-5	Toluene-d8	101		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	101		73-121
4840-82-8	2-Hexanone-d5	106		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	97		73-125
2199-69-1	1,2-Dichlorobenzene-d4	95		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 Lab Sample ID: 200-22183-3

Matrix: Water Lab File ID: d11e06.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 12:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

Number TICs Found: 3 TIC Result Total: 4.44

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	B J
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.53	J N
	Unknown	11.17	0.81	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 Lab Sample ID: 200-22183-3

Matrix: Water Lab File ID: dlle06.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 12:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-3
Client Smp ID: MW-24S_050114
Inj Date : 13-MAY-2014 12:07
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-3
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	80050	145.053	5.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	2.070	2.070	(0.339)	1239	6.08494	0.24(aQ)
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	63894	152.942	6.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	149124	131.570	5.3(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	31037	58.9232	2.4(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	3031	5.56317	0.22(a)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	86524	1382.34	55
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	323099	602.889	24(A)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	131699	137.823	5.5
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	67326	68.0145	2.7
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	56471	167.088	6.7(R)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	291242	130.019	5.2
	30 Benzene	78	5.673	5.673	(0.599)	1434	0.62177	0.025(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	239572	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	518110	855.101	34(A)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	70228	111.993	4.5(Q)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	281331	126.844	5.1
	41 Toluene	91	7.861	7.861	(0.830)	30797	12.2500	0.49(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	57977	126.495	5.1
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	80979	133.168	5.3
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	68838	1322.39	53(Q)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	191712	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.050	11.050	(1.166)	26245	121.559	4.9
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	92065	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	78637	119.318	4.8
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-3
Client Smp ID: MW-24S_050114
Inj Date : 13-MAY-2014 12:07
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-3
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	562457	125.000
* 50 Chlorobenzene-d5	9.477	601937	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	559781	125.000

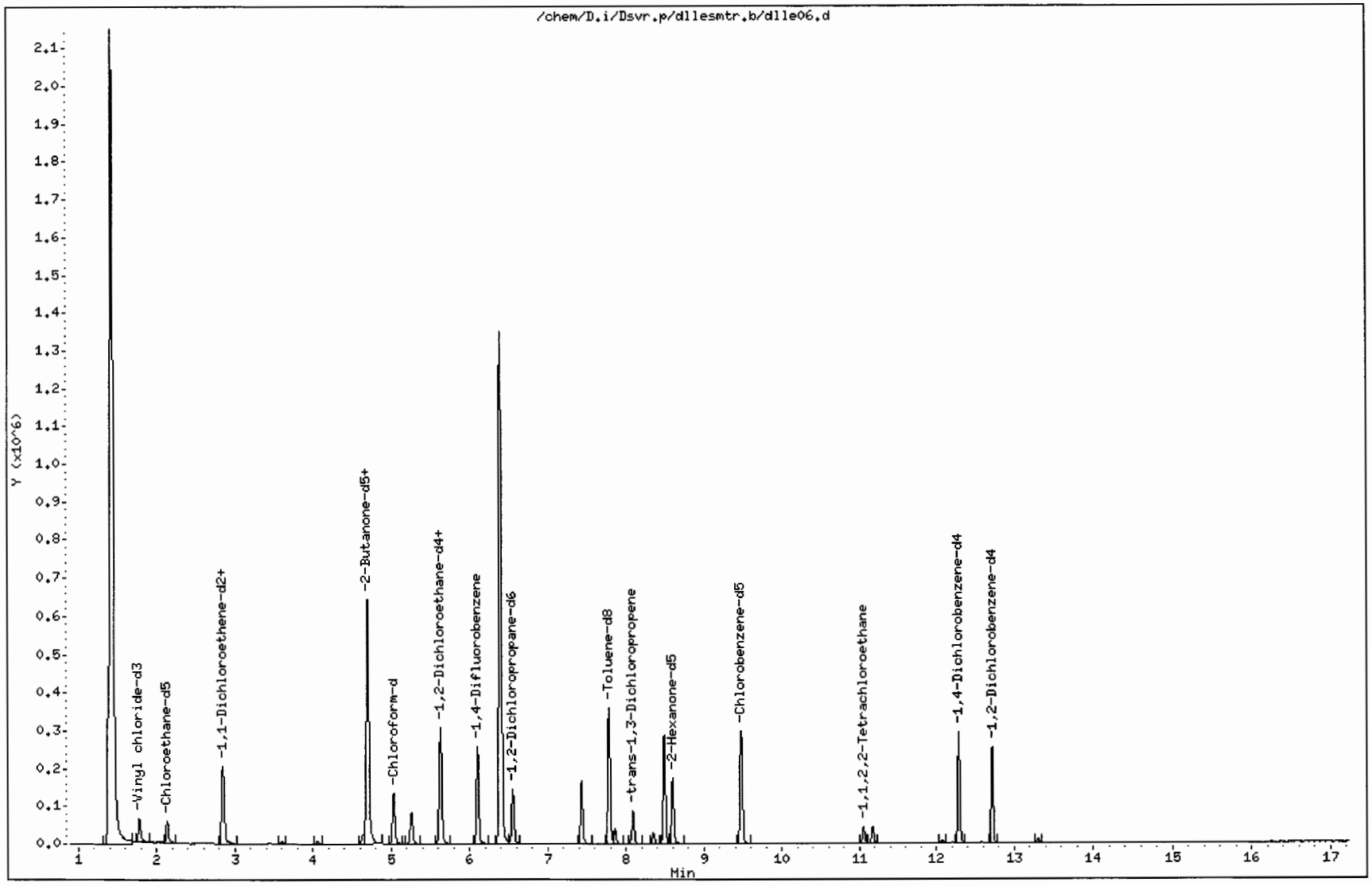
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.434	352116	78.2538130	3.1	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.349	63787	13.2462777	0.53	90	NIST05.1	73123	50
Unknown				CAS #:			
11.172	90434	20.1939811	0.81	0		0	61

Data File: /chem/D.i/Dsvr.p/dllesmtr.b/dlle06.d
Date : 13-MAY-2014 12:07
Client ID: MW-24S_050114
Sample Info: 200-22183-C-3
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



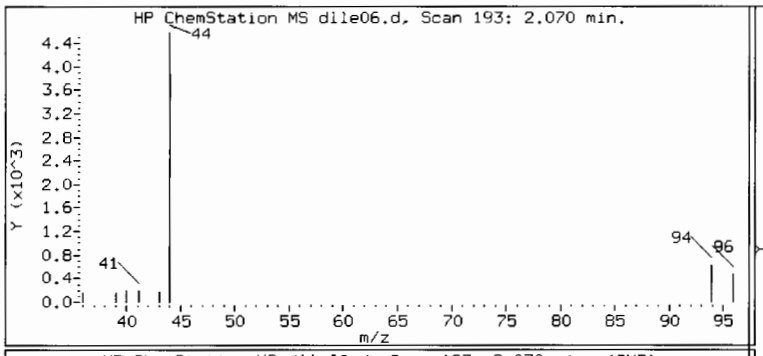
Data File: dlle06.d

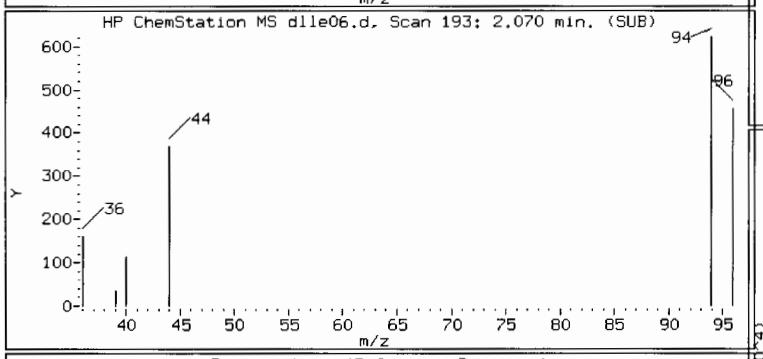
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

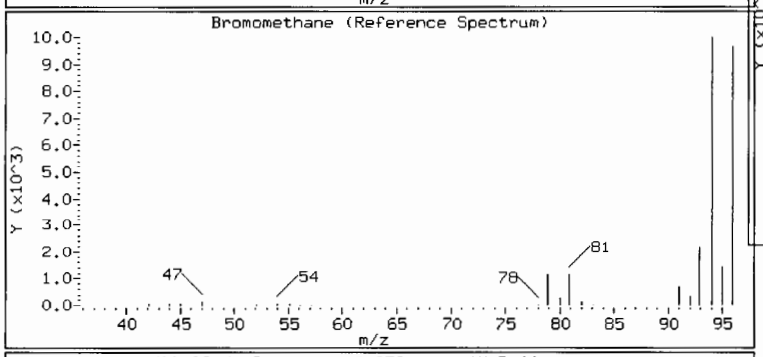
Client ID: MW-24S_050114 Instrument: D.i

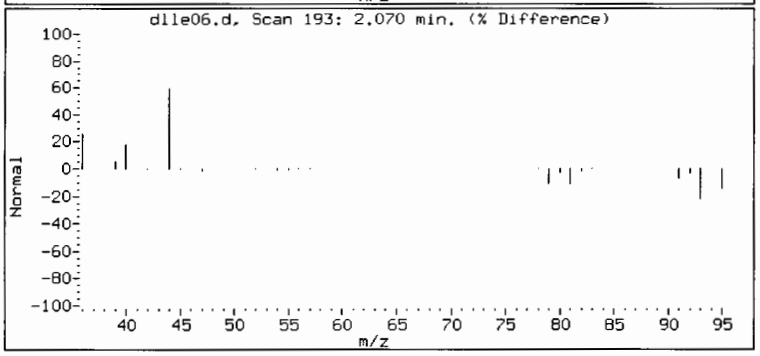
Sample Info: 200-22183-C-3 Operator: JSW

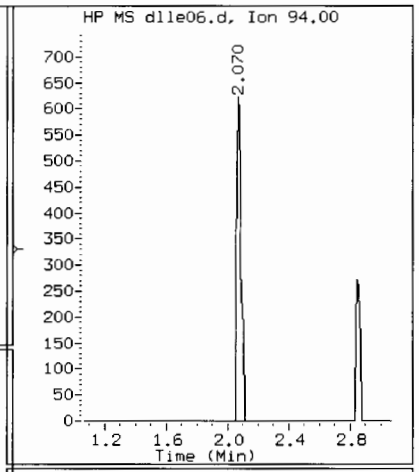
5 Bromomethane

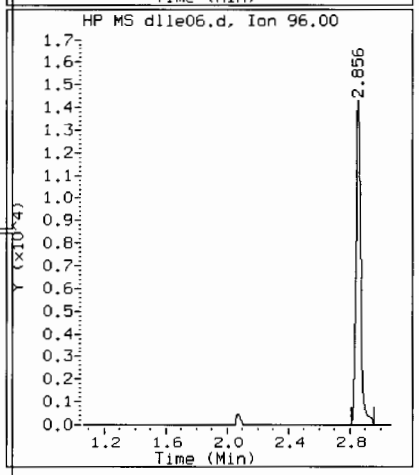












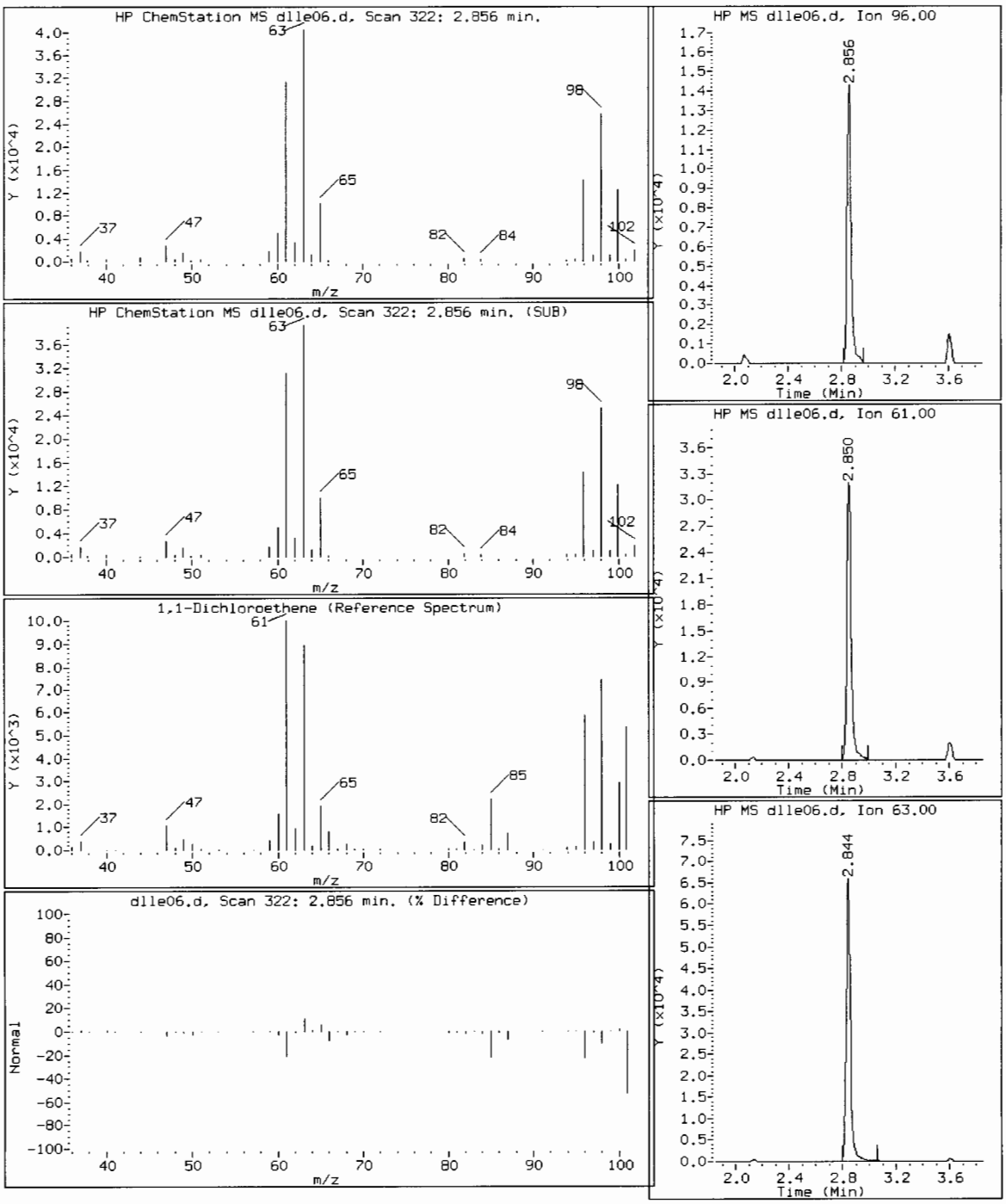
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

10 1,1-Dichloroethene



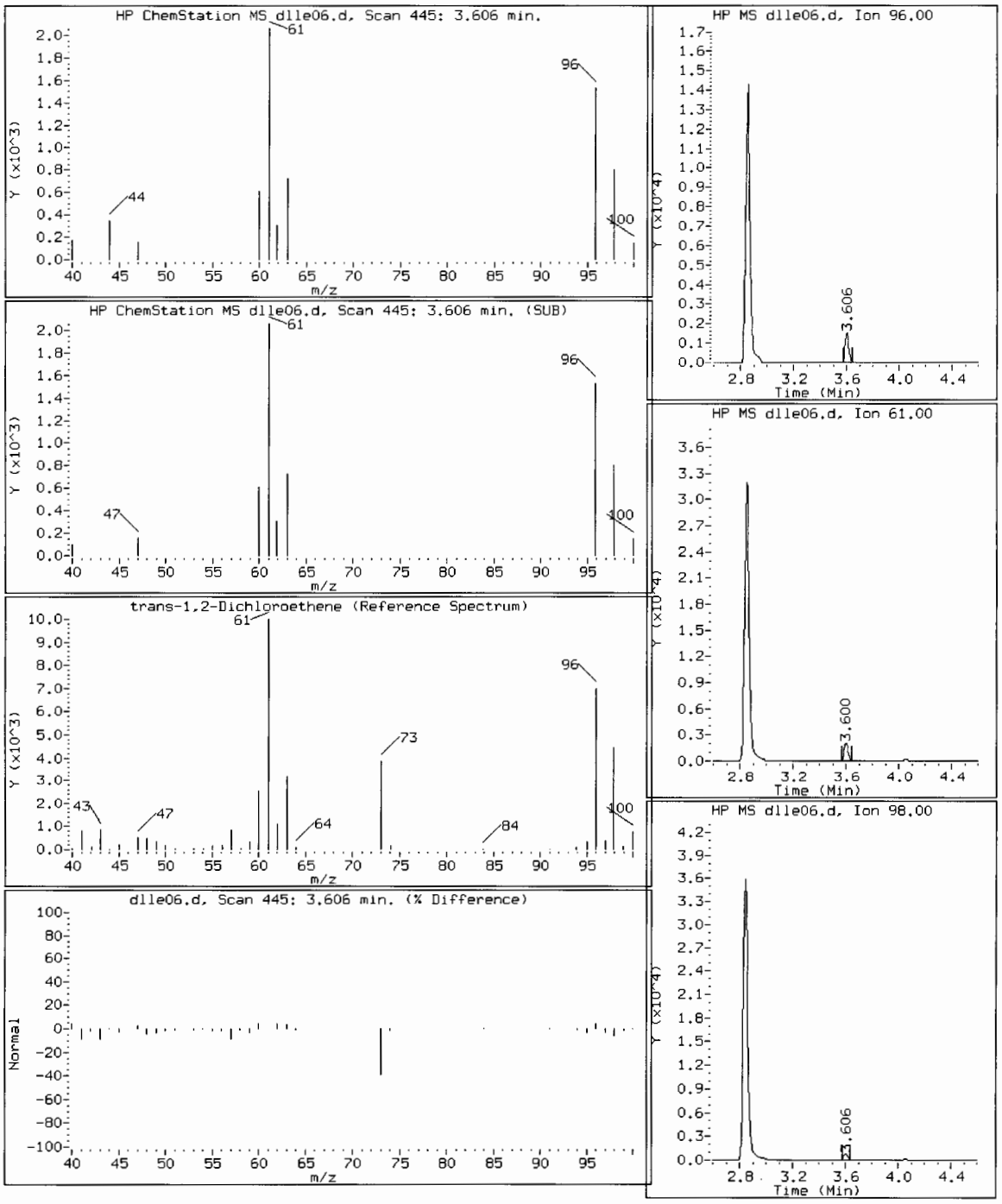
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

16 trans-1,2-Dichloroethene



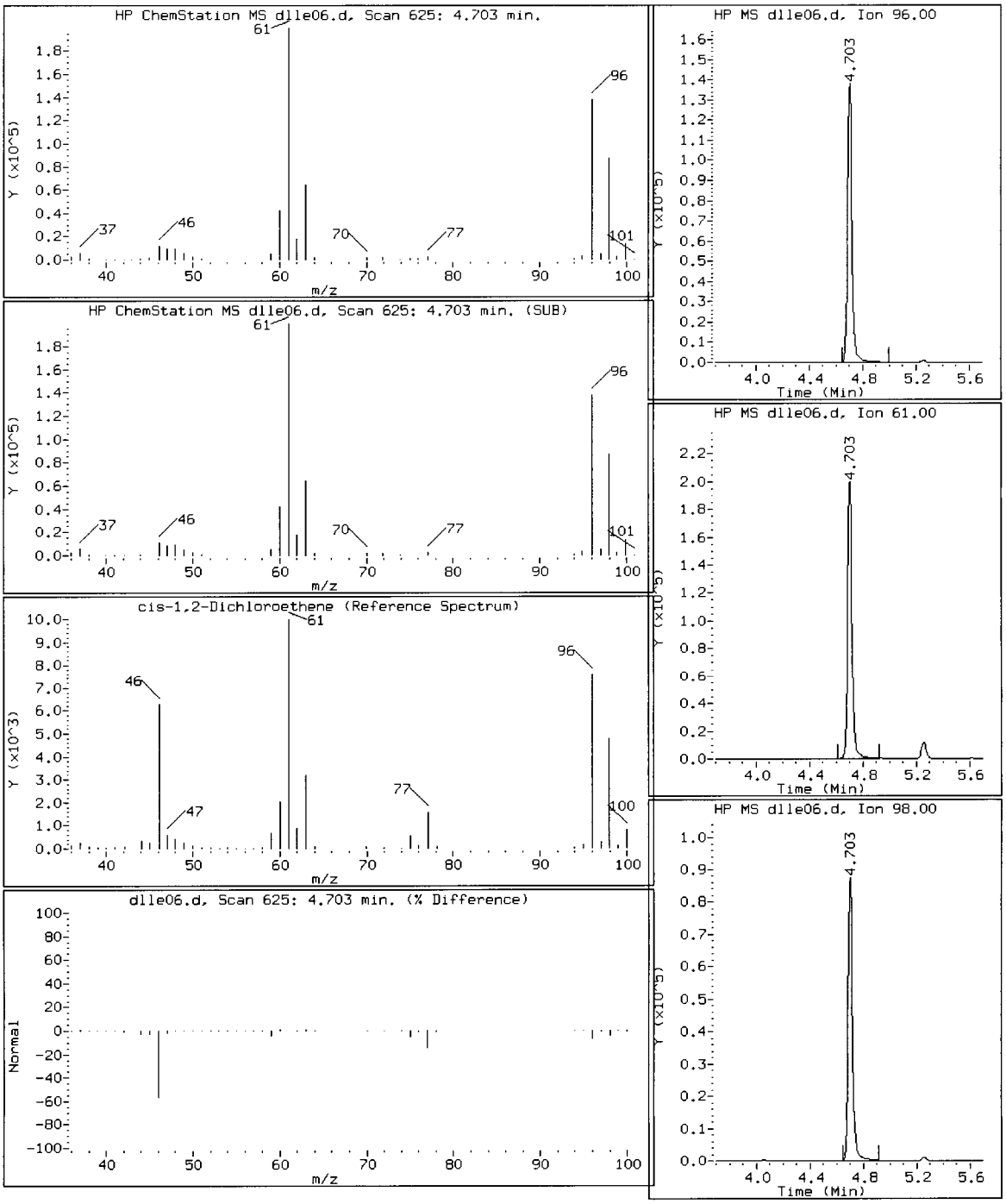
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

20 cis-1,2-Dichloroethene



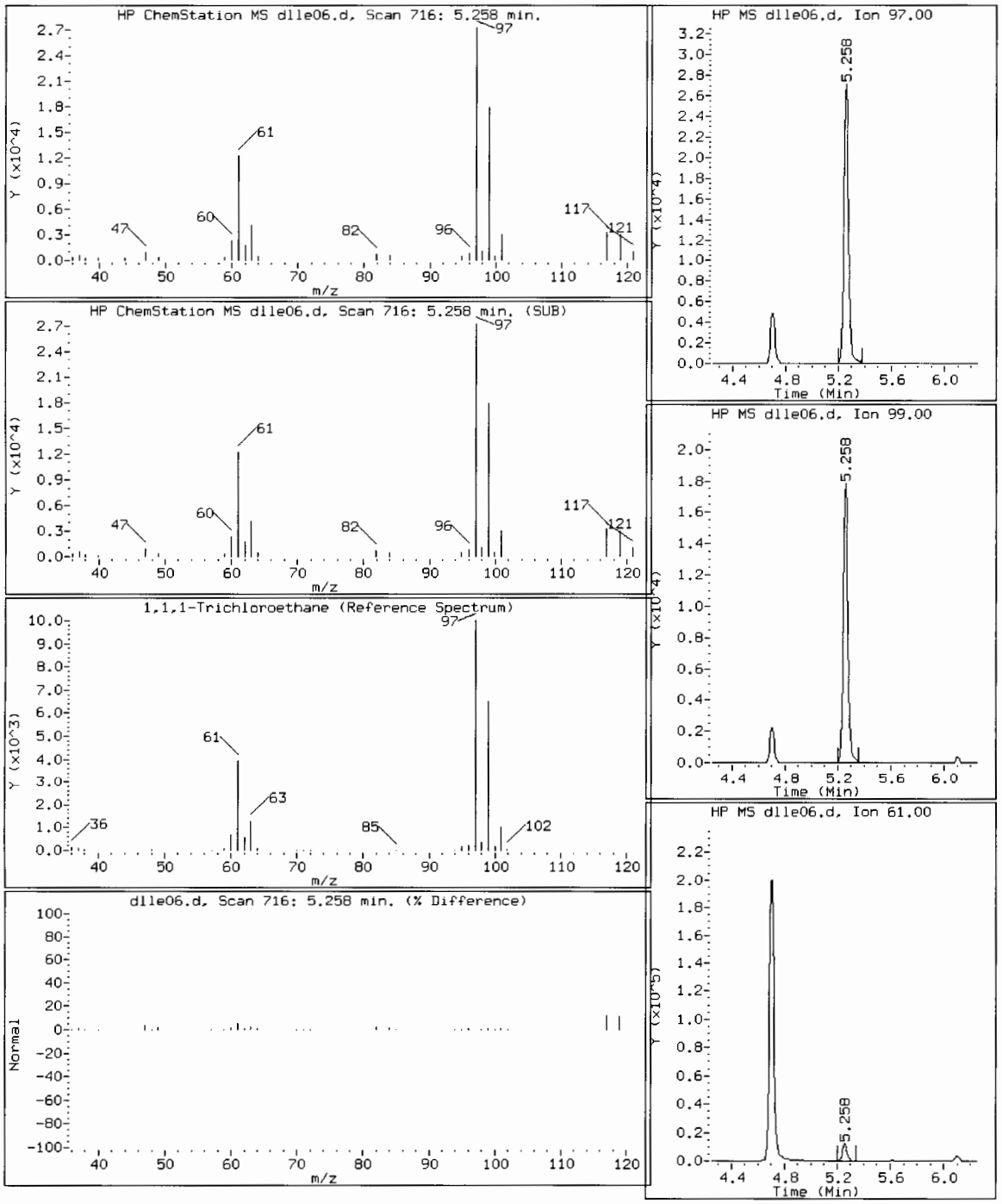
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

25 1,1,1-Trichloroethane



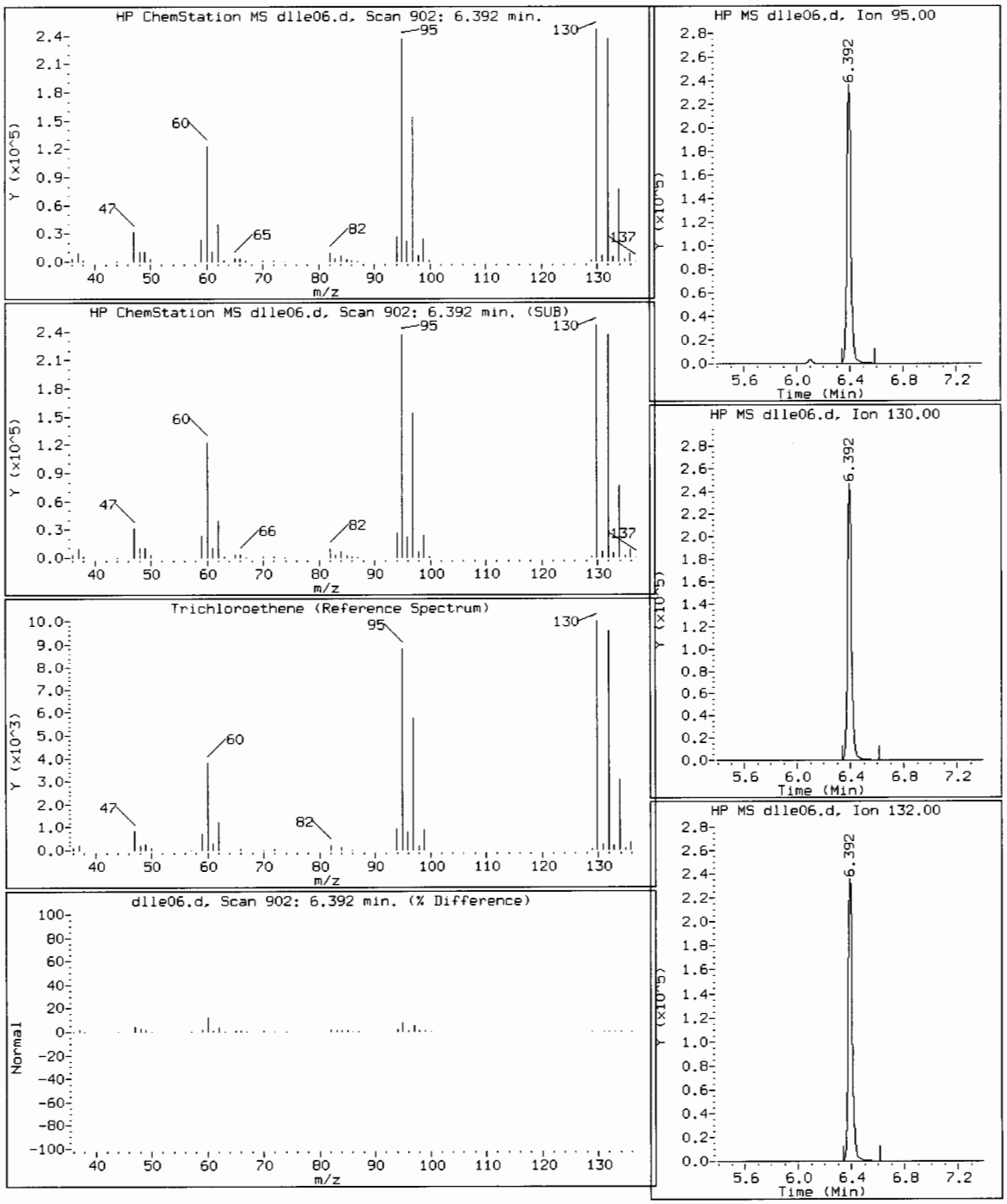
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

33 Trichloroethene



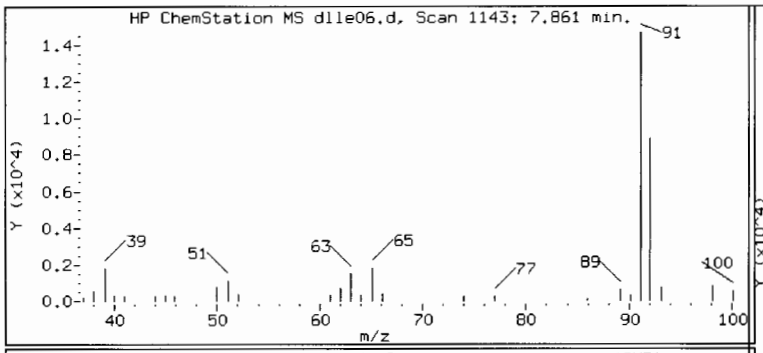
Data File: dlle06.d

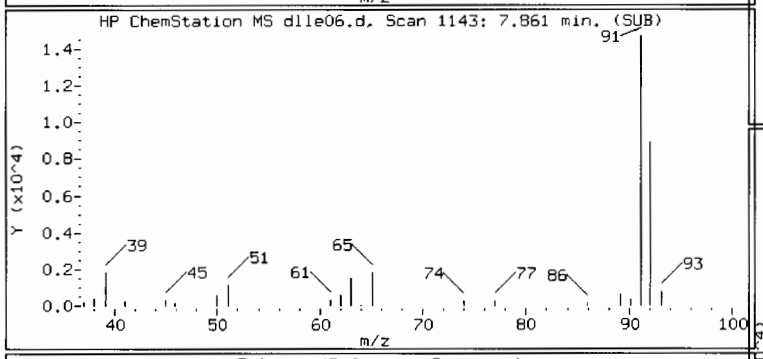
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

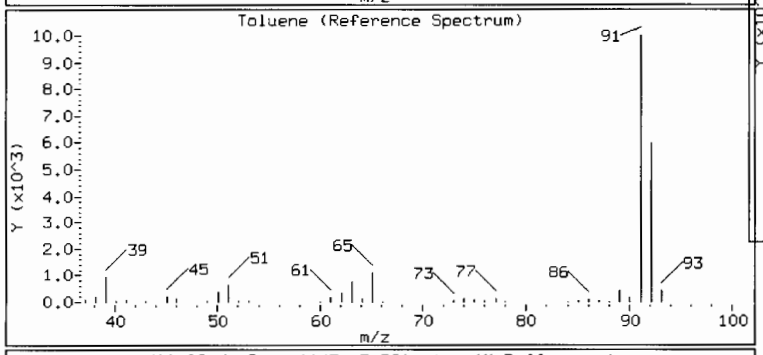
Client ID: MW-24S_050114 Instrument: D.i

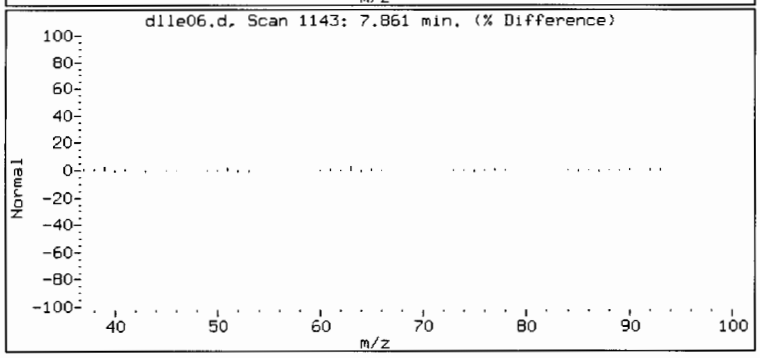
Sample Info: 200-22183-C-3 Operator: JSW

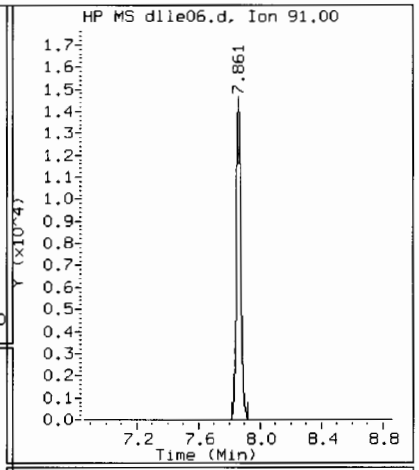
41 Toluene

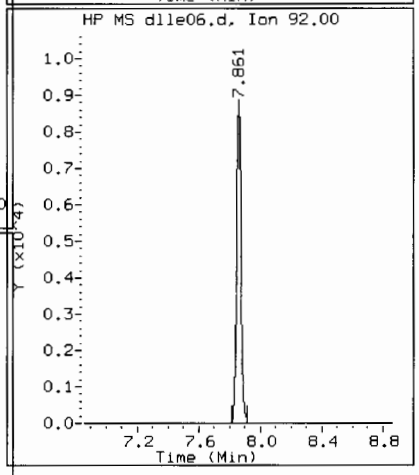












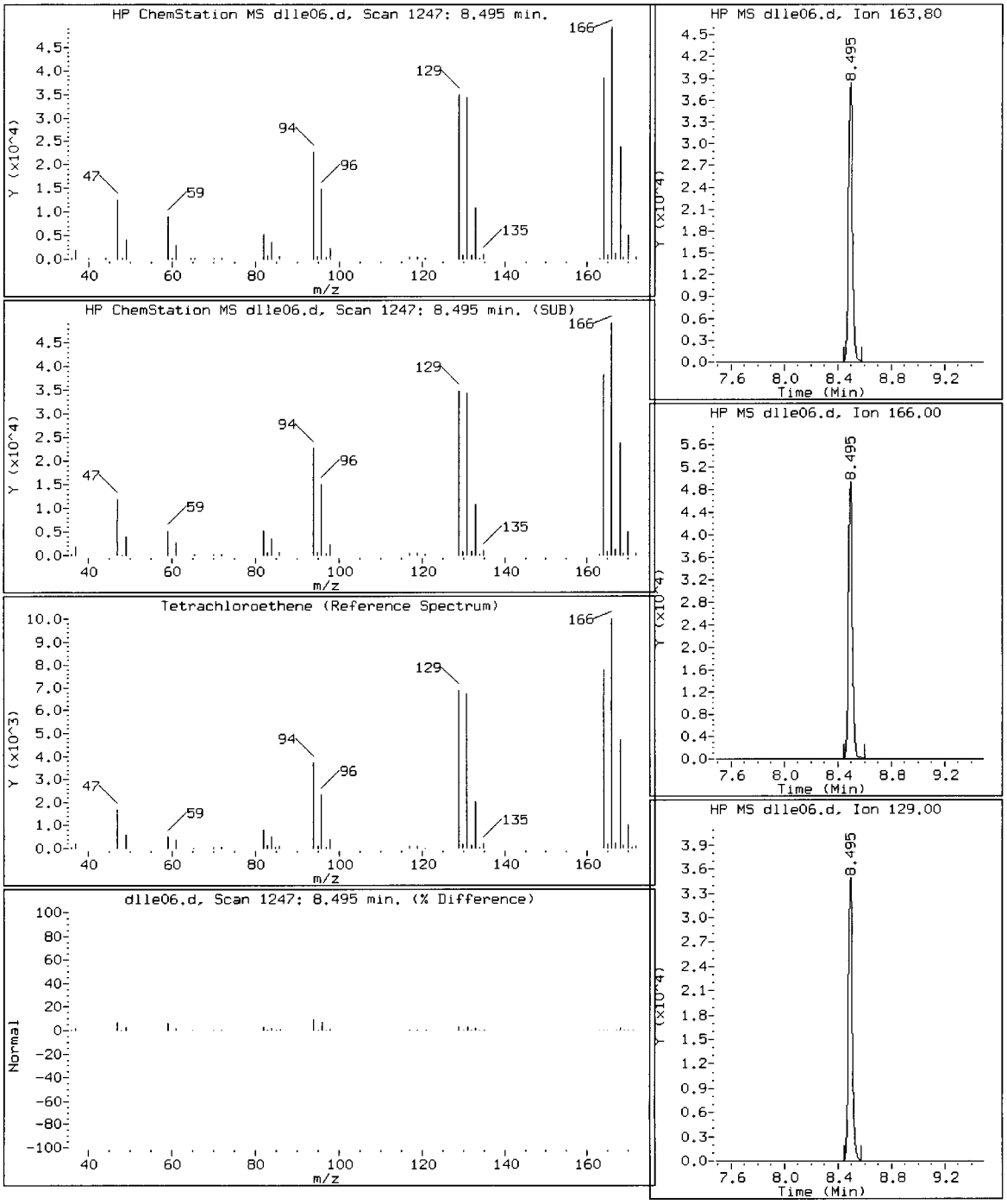
Data File: dlle06.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

Client ID: MW-24S_050114 Instrument: D.i

Sample Info: 200-22183-C-3 Operator: JSW

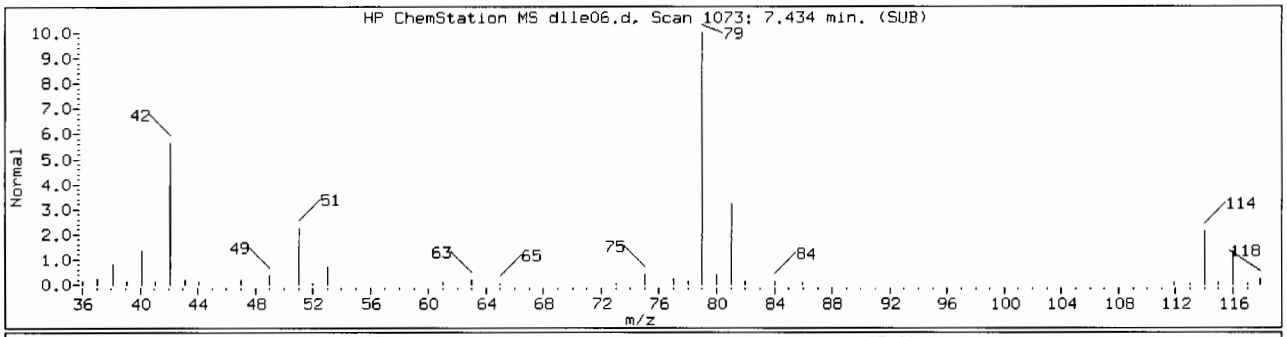
45 Tetrachloroethene

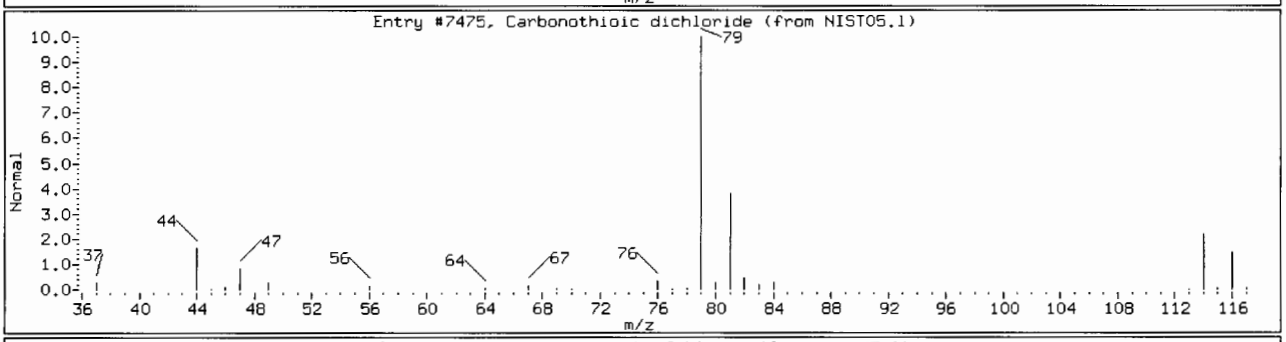


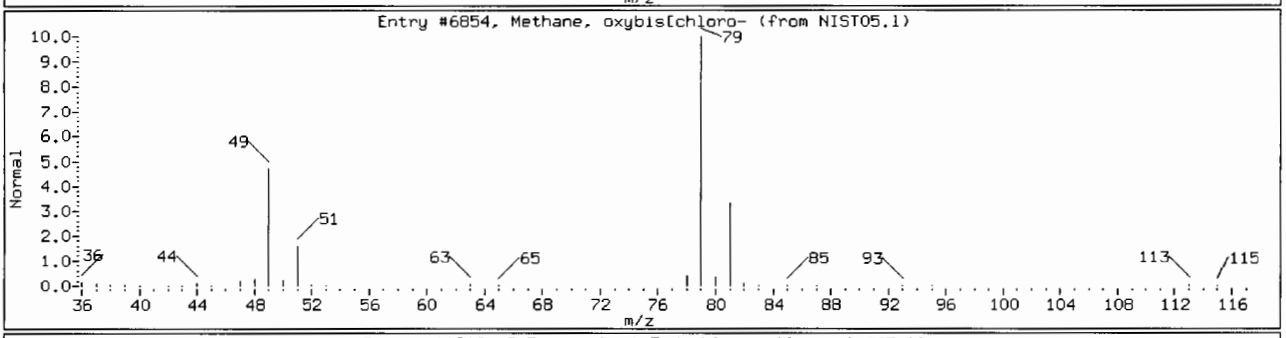
Data File: dlle06.d
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07
Client ID: MW-24S_050114 Instrument: D.i
Sample Info: 200-22183-C-3 Operator: JSW

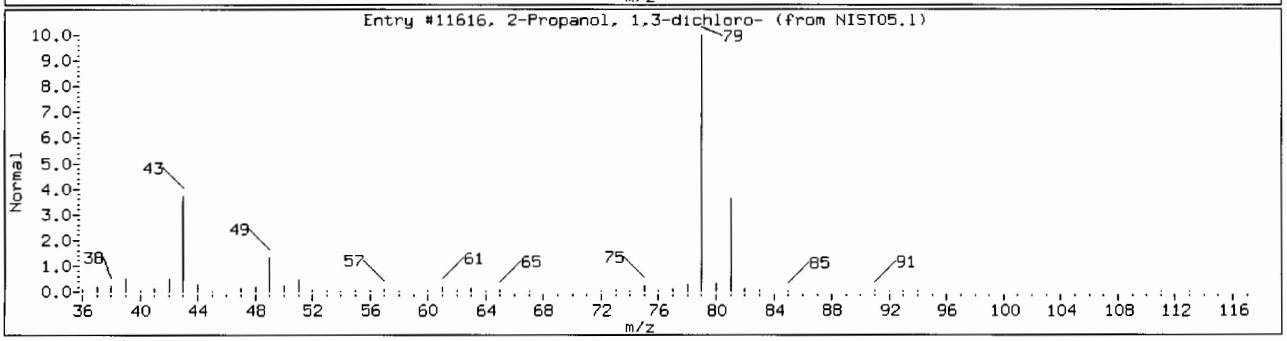
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C3H6Cl2O	128









Data File: d11e06.d

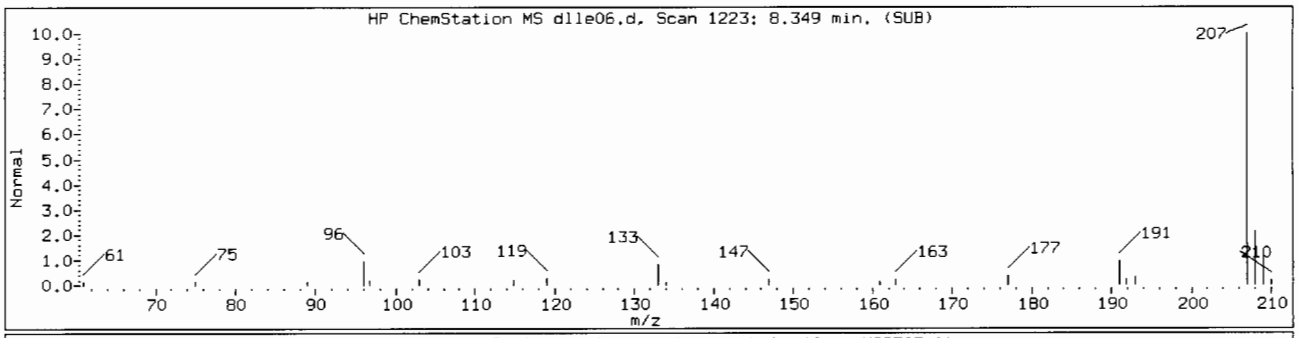
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07

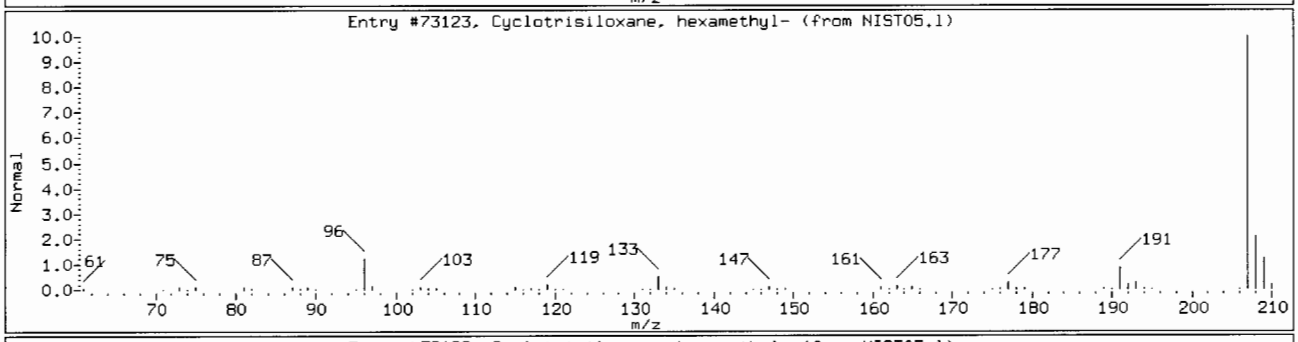
Client ID: MW-24S_050114 Instrument: D.i

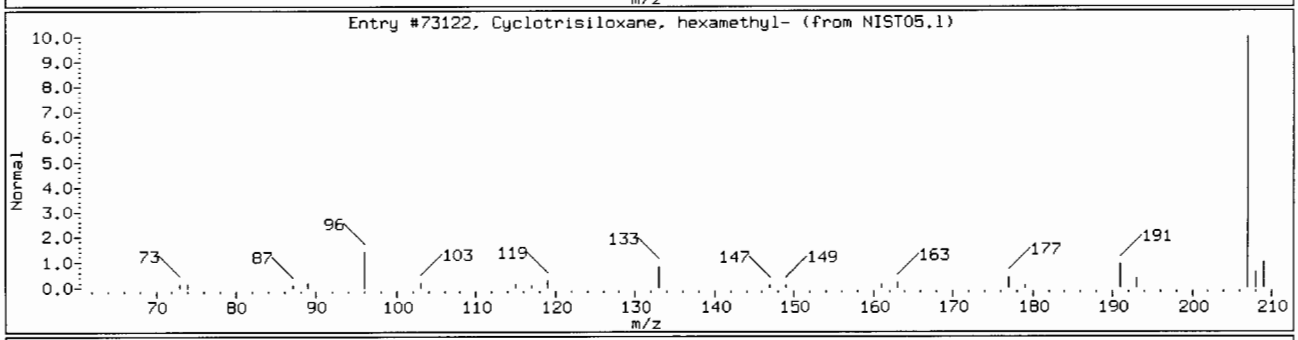
Sample Info: 200-22183-C-3 Operator: JSW

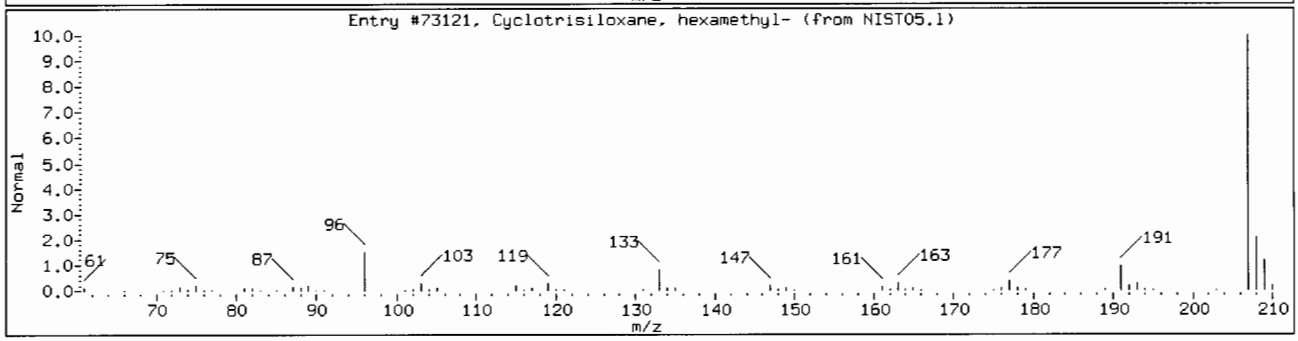
Retention Time: 8.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222





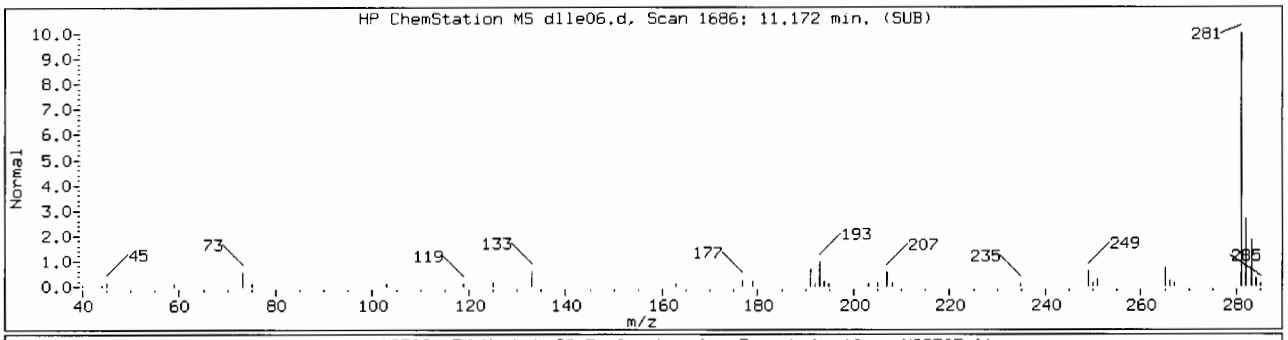


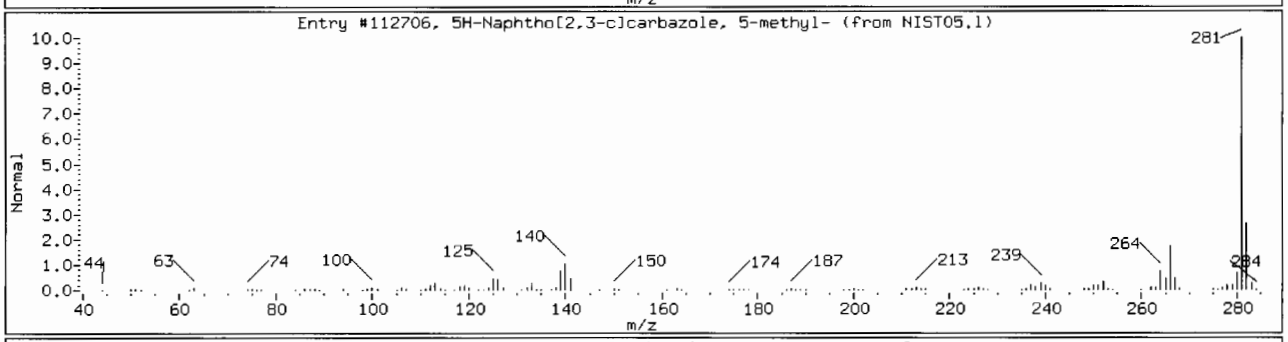


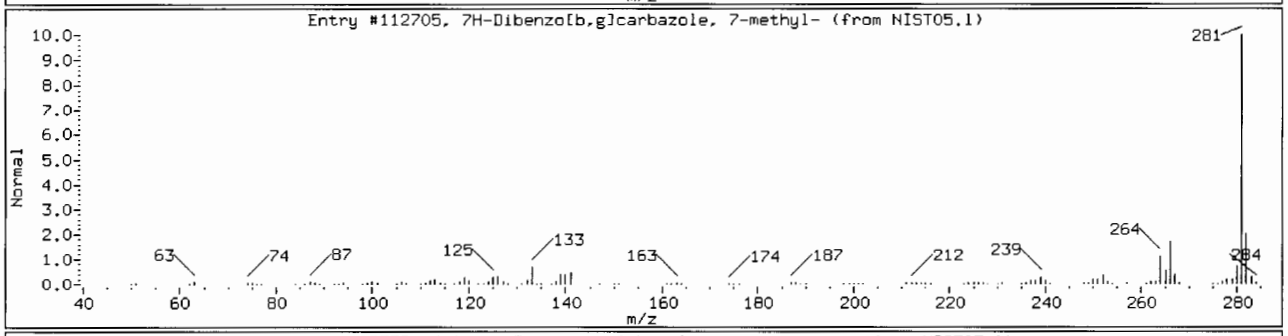
Data File: dlle06.d
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 12:07
Client ID: MW-24S_050114 Instrument: D.i
Sample Info: 200-22183-C-3 Operator: JSW

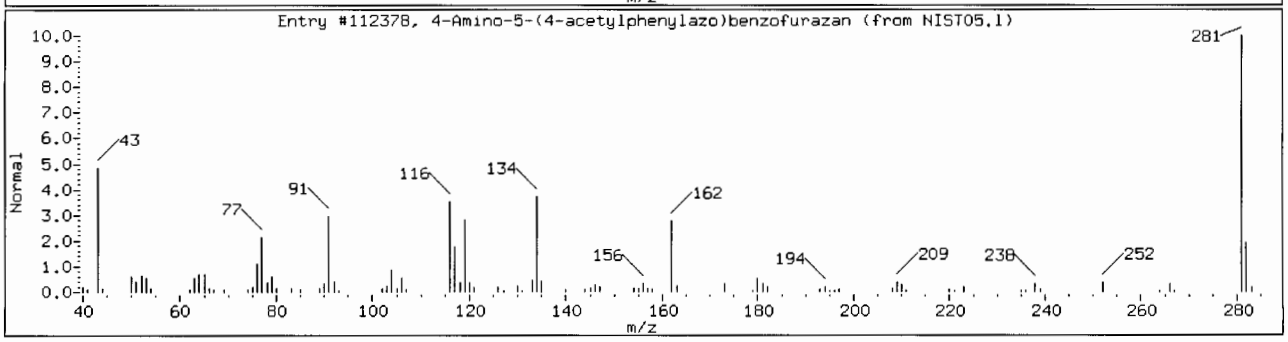
Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	59	C21H15N	281
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C21H15N	281
4-Amino-5-(4-acetylphenylazo)benzo	166766-09-2	NIST05.1	112378	50	C14H11N5O2	281









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-24S_050114 DL
Lab Sample ID: 200-22183-3 DL
Matrix: Water
Lab File ID: dl1e16.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 16:23
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 16:13
Soil Aliquot Vol:
Dilution Factor: 2.8
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.4	U	1.4	0.21
74-87-3	Chloromethane	1.4	U	1.4	0.17
75-01-4	Vinyl chloride	1.4	U	1.4	0.19
74-83-9	Bromomethane	1.4	U	1.4	0.19
75-00-3	Chloroethane	1.4	U	1.4	0.26
75-69-4	Trichlorofluoromethane	1.4	U	1.4	0.28
75-35-4	1,1-Dichloroethene	1.4	U	1.4	0.10
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	1.4	0.11
67-64-1	Acetone	14	U	14	2.6
75-15-0	Carbon disulfide	1.4	U	1.4	0.14
79-20-9	Methyl acetate	1.4	U	1.4	0.39
75-09-2	Methylene chloride	0.45	J D	1.4	0.20
156-60-5	trans-1,2-Dichloroethene	1.4	U	1.4	0.13
1634-04-4	Methyl tert-butyl ether	1.4	U	1.4	0.17
75-34-3	1,1-Dichloroethane	1.4	U	1.4	0.21
156-59-2	cis-1,2-Dichloroethene	9.9	D	1.4	0.15
78-93-3	2-Butanone	14	U	14	2.5
74-97-5	Bromochloromethane	1.4	U	1.4	0.20
67-66-3	Chloroform	1.4	U	1.4	0.23
71-55-6	1,1,1-Trichloroethane	0.83	J D	1.4	0.22
110-82-7	Cyclohexane	1.4	U	1.4	0.18
56-23-5	Carbon tetrachloride	1.4	U	1.4	0.18
71-43-2	Benzene	1.4	U	1.4	0.18
107-06-2	1,2-Dichloroethane	1.4	U	1.4	0.25
79-01-6	Trichloroethene	11	D	1.4	0.22
108-87-2	Methylcyclohexane	1.4	U	1.4	0.22
78-87-5	1,2-Dichloropropane	1.4	U	1.4	0.20
75-27-4	Bromodichloromethane	1.4	U	1.4	0.17
10061-01-5	cis-1,3-Dichloropropene	1.4	U	1.4	0.17
108-10-1	4-Methyl-2-pentanone	14	U	14	2.3
108-88-3	Toluene	0.25	J D	1.4	0.19
10061-02-6	trans-1,3-Dichloropropene	1.4	U	1.4	0.62
79-00-5	1,1,2-Trichloroethane	1.4	U	1.4	0.24
127-18-4	Tetrachloroethene	1.5	D	1.4	0.22
591-78-6	2-Hexanone	14	U	14	2.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 DL | Lab Sample ID: 200-22183-3 DL

Matrix: Water | Lab File ID: dlle16.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) | Date Analyzed: 05/13/2014 16:13

Soil Aliquot Vol: | Dilution Factor: 2.8

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72092 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.4	U	1.4	0.19
106-93-4	1,2-Dibromoethane	1.4	U	1.4	0.16
108-90-7	Chlorobenzene	1.4	U	1.4	0.18
100-41-4	Ethylbenzene	1.4	U	1.4	0.17
95-47-6	o-Xylene	1.4	U	1.4	0.18
179601-23-1	m,p-Xylene	1.4	U	1.4	0.19
100-42-5	Styrene	1.4	U	1.4	0.17
75-25-2	Bromoform	1.4	U	1.4	0.23
98-82-8	Isopropylbenzene	1.4	U	1.4	0.16
79-34-5	1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.25
541-73-1	1,3-Dichlorobenzene	1.4	U	1.4	0.18
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	0.17
95-50-1	1,2-Dichlorobenzene	1.4	U	1.4	0.20
96-12-8	1,2-Dibromo-3-chloropropane	1.4	U	1.4	0.45
120-82-1	1,2,4-Trichlorobenzene	1.4	U	1.4	0.18
87-61-6	1,2,3-Trichlorobenzene	1.4	U	1.4	0.25

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	118	D	65-131
19199-91-8	Chloroethane-d5	123	D	71-131
22280-73-5	1,1-Dichloroethene-d2	93	D	55-104
24313-50-6	2-Butanone-d5	115	D	49-155
865-49-6	Chloroform-d	113	D	78-121
17060-07-0	1,2-Dichloroethane-d4	135	D X	78-129
1076-43-3	Benzene-d6	102	D	77-124
93952-08-0	1,2-Dichloropropane-d6	89	D	79-124
2037-26-5	Toluene-d8	102	D	77-121
93951-86-1	trans-1,3-Dichloropropene-d4	99	D	73-121
4840-82-8	2-Hexanone-d5	105	D	28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	96	D	73-125
2199-69-1	1,2-Dichlorobenzene-d4	95	D	80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 DL Lab Sample ID: 200-22183-3 DL

Matrix: Water Lab File ID: dl1e16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 16:13

Soil Aliquot Vol: Dilution Factor: 2.8

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

Number TICs Found: 4 TIC Result Total: 18.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	5.6	D J
	Unknown	7.43	8.6	B D J
	Unknown	8.35	1.8	D J
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	2.6	D J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-24S_050114 DL Lab Sample ID: 200-22183-3 DL

Matrix: Water Lab File ID: dlle16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 16:23

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 16:13

Soil Aliquot Vol: Dilution Factor: 2.8

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-3
Client Smp ID: MW-24S_050114DL
Inj Date : 13-MAY-2014 16:13
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-B-3
Misc Info : 2.8,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 16
Dil Factor: 2.80000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	74772	147.275	5.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	59327	154.364	6.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	121352	116.381	4.7(Q)
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	3.325	3.325	(0.545)	1582	3.98317	0.45(aQ)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	83051	1442.28	58
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	43604	88.4412	9.9(Q)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	123669	140.678	5.6
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	6876	7.45511	0.83(a)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	52590	169.141	6.8(R)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	265999	127.448	5.1
	30 Benzene	78	5.673	5.673	(0.599)	2433	1.13220	0.13(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	220399	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	55136	97.6631	11
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	65263	111.699	4.5(Q)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	264026	127.761	5.1
	41 Toluene	91	7.861	7.861	(0.830)	5156	2.20111	0.25(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	52949	123.987	5.0
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	7392	13.0463	1.5
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	63905	1317.54	53(Q)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	178628	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.050	11.050	(1.166)	24188	120.238	4.8
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	87892	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	74932	119.094	4.8
	64 1,2-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-3
Client Smp ID: MW-24S_050114DL
Inj Date : 13-MAY-2014 16:13
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-B-3
Misc Info : 2.8,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 16
Dil Factor: 2.80000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	2.80000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	523095	125.000
* 50 Chlorobenzene-d5	9.477	565502	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	529218	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.636	207897	49.6794959	5.6	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	320946	76.6939871	8.6	0		0	32
Unknown				CAS #:			
8.349	70784	15.6462933	1.8	0		0	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	99665	23.5407125	2.6	86	NIST05.1	122479	61

Data File: /chem/D.i/Dsvr.p/dllesmtr.b/dlle16.d

Date : 13-MAY-2014 16:13

Client ID: MW-24S_050114DL

Sample Info: 200-22183-B-3

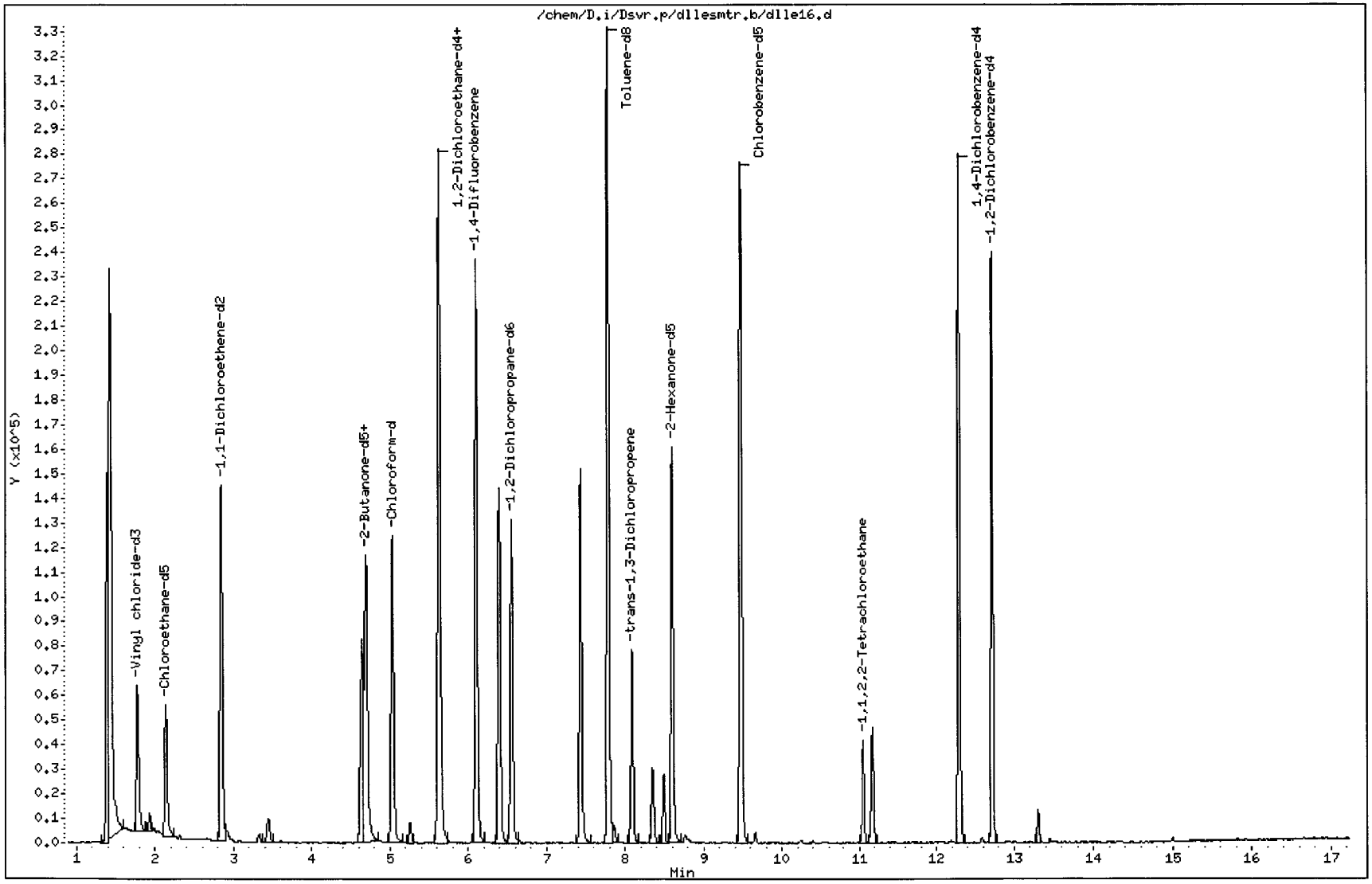
Purge Volume: 25.0

Column phase: DB-624

Instrument: D.i

Operator: JSW

Column diameter: 0.20



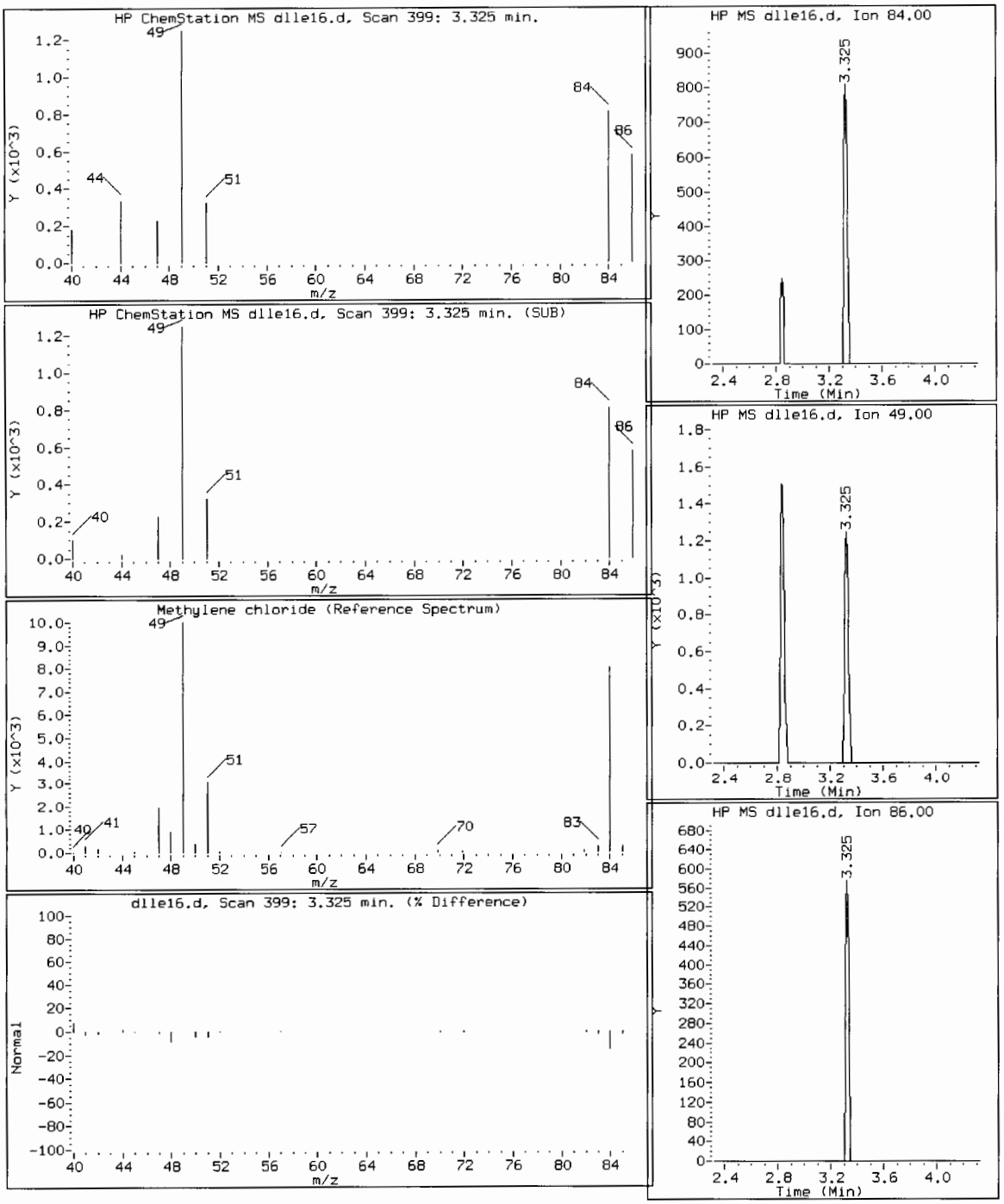
Data File: dlle16.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

Client ID: MW-24S_050114DL Instrument: D.i

Sample Info: 200-22183-B-3 Operator: JSW

15 Methylene chloride



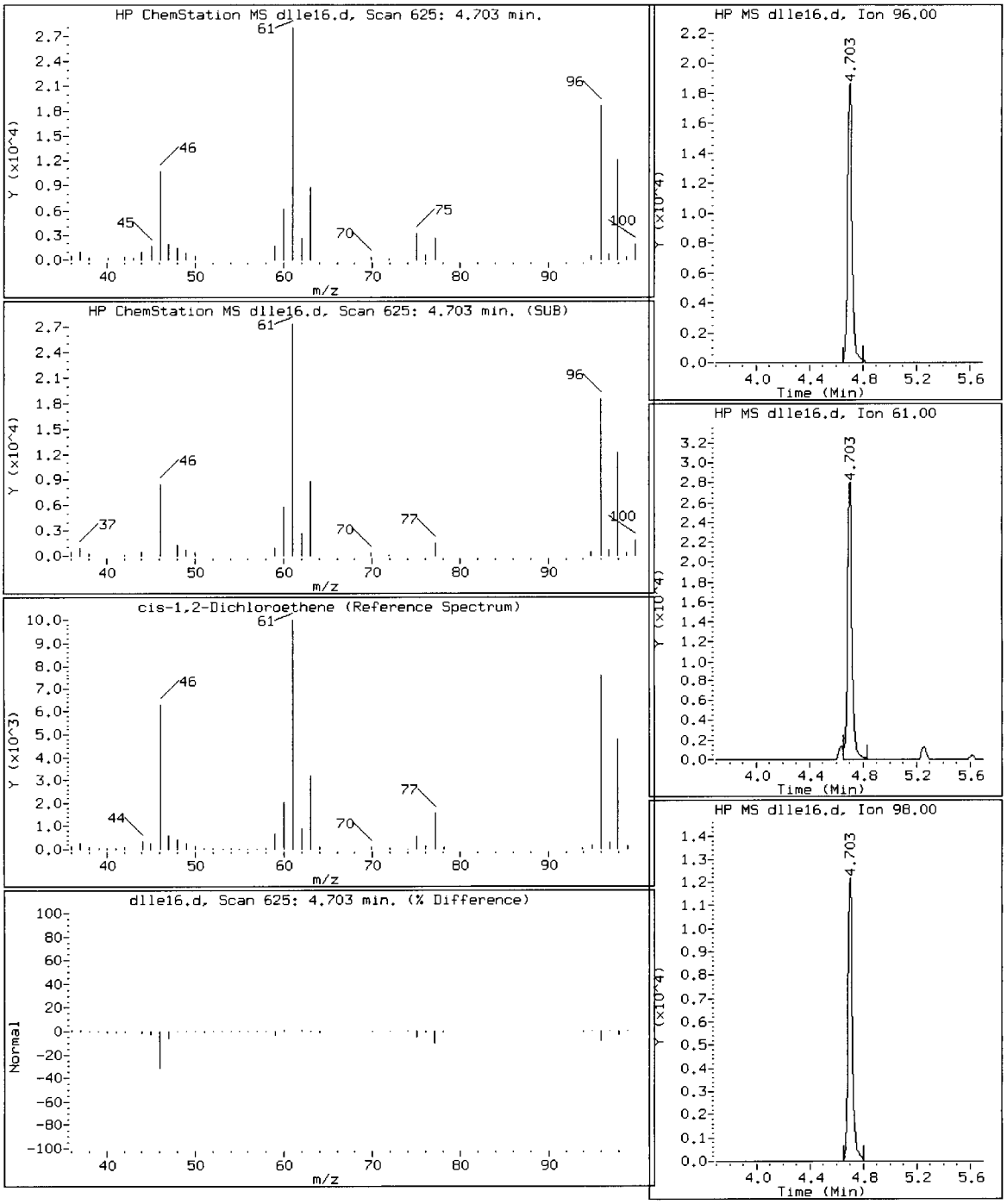
Data File: dlle16.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

Client ID: MW-24S_050114DL Instrument: D.i

Sample Info: 200-22183-B-3 Operator: JSW

20 cis-1,2-Dichloroethene



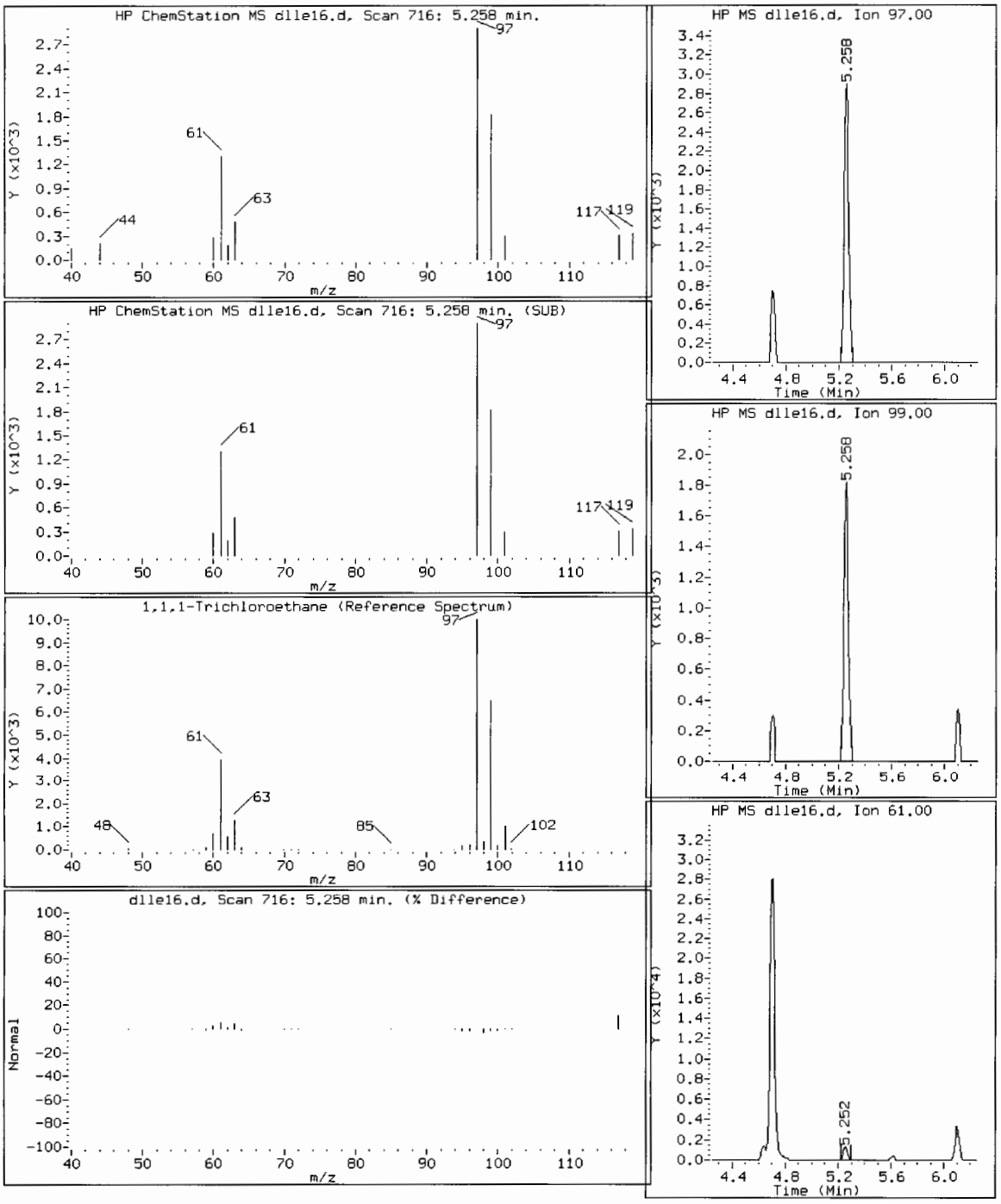
Data File: dlle16.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

Client ID: MW-24S_050114DL Instrument: D.i

Sample Info: 200-22183-B-3 Operator: JSW

25 1,1,1-Trichloroethane



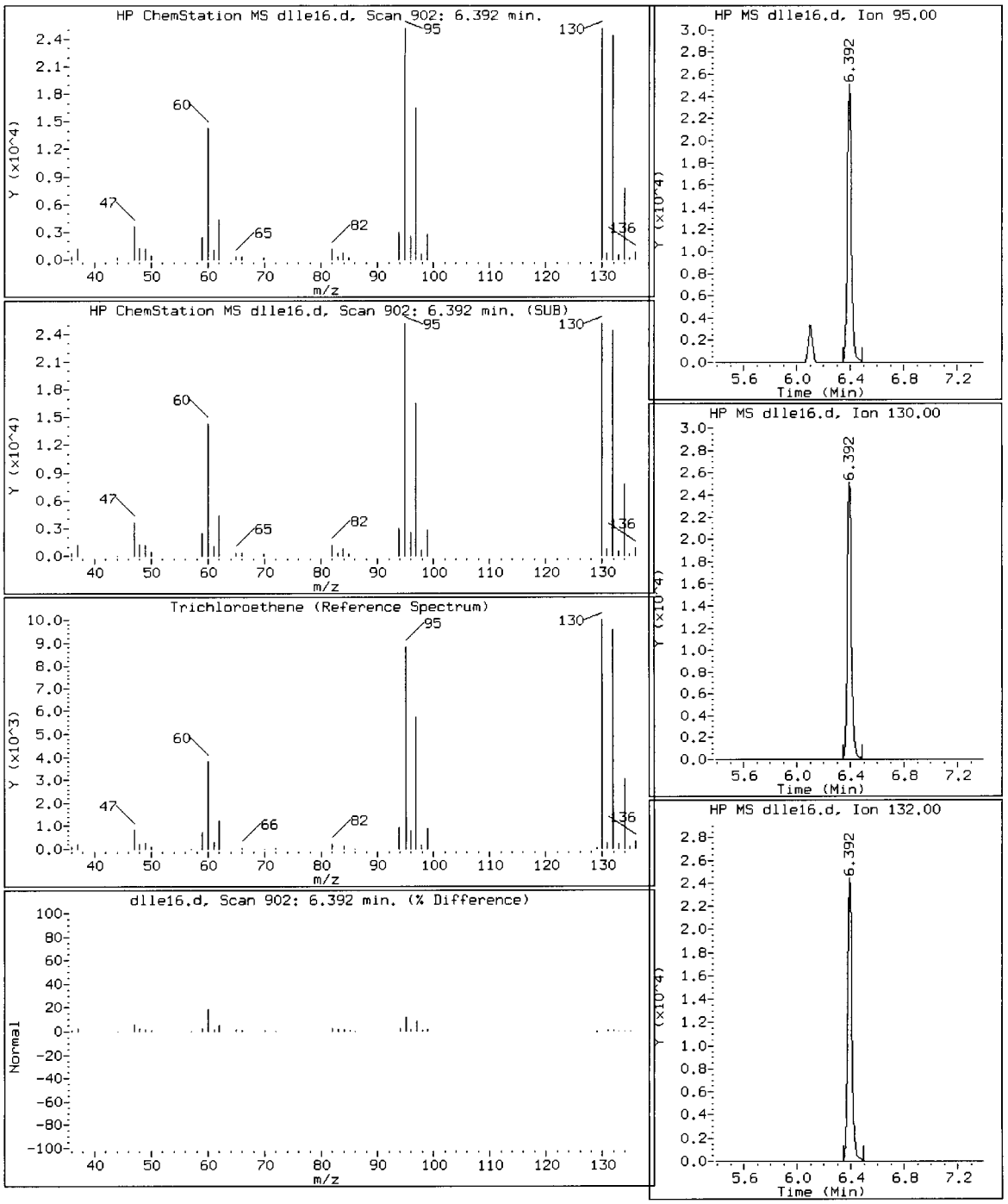
Data File: dlle16.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

Client ID: MW-24S_050114DL Instrument: D.i

Sample Info: 200-22183-B-3 Operator: JSW

33 Trichloroethene



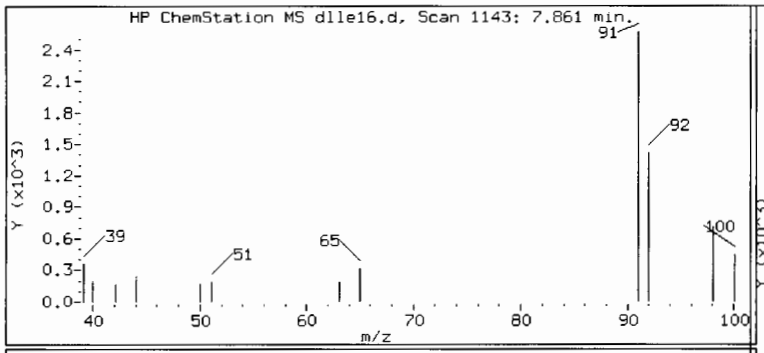
Data File: dlle16.d

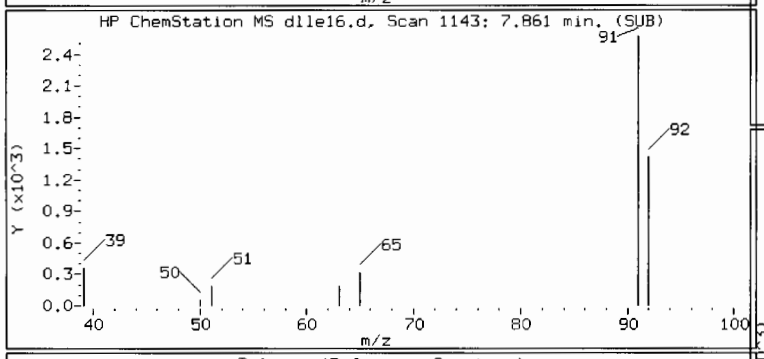
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

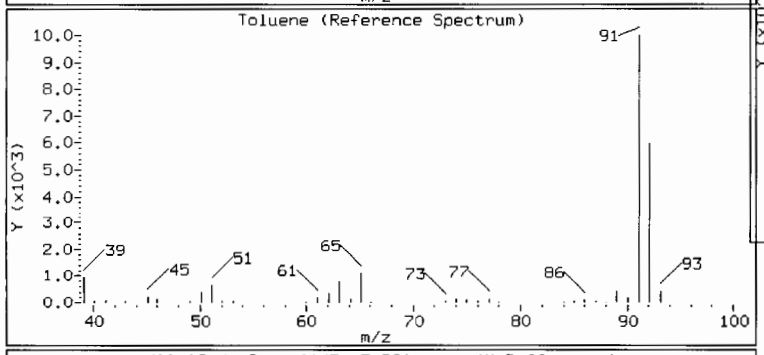
Client ID: MW-24S_050114DL Instrument: D.i

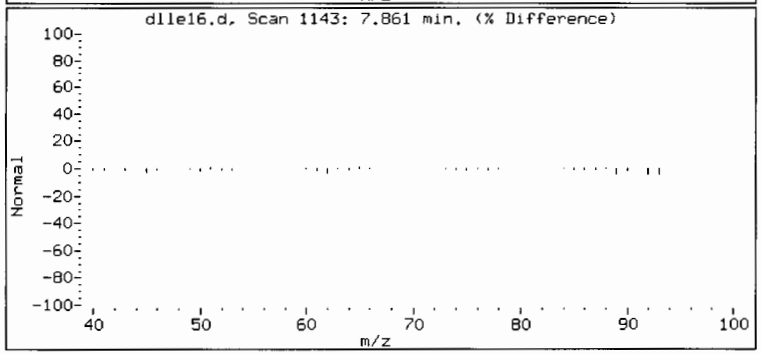
Sample Info: 200-22183-B-3 Operator: JSW

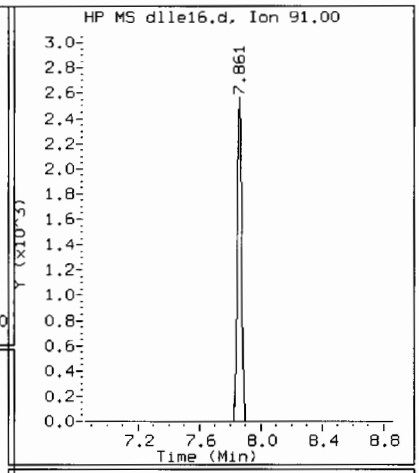
41 Toluene

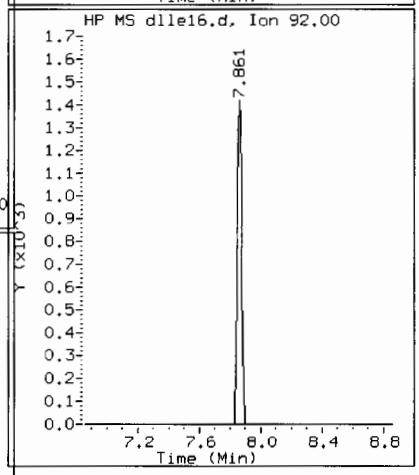












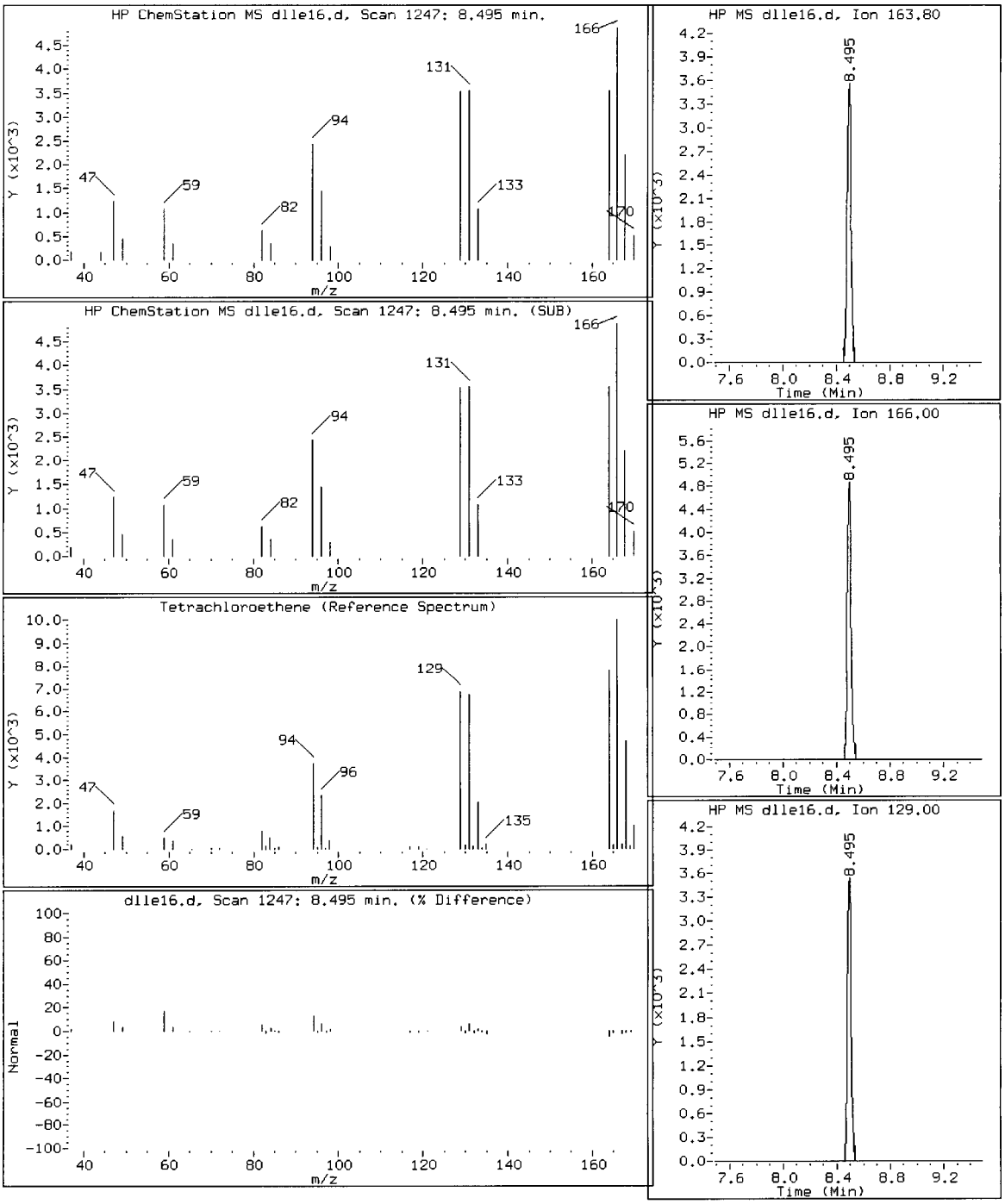
Data File: dlle16.d

Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

Client ID: MW-24S_050114DL Instrument: D.i

Sample Info: 200-22183-B-3 Operator: JSW

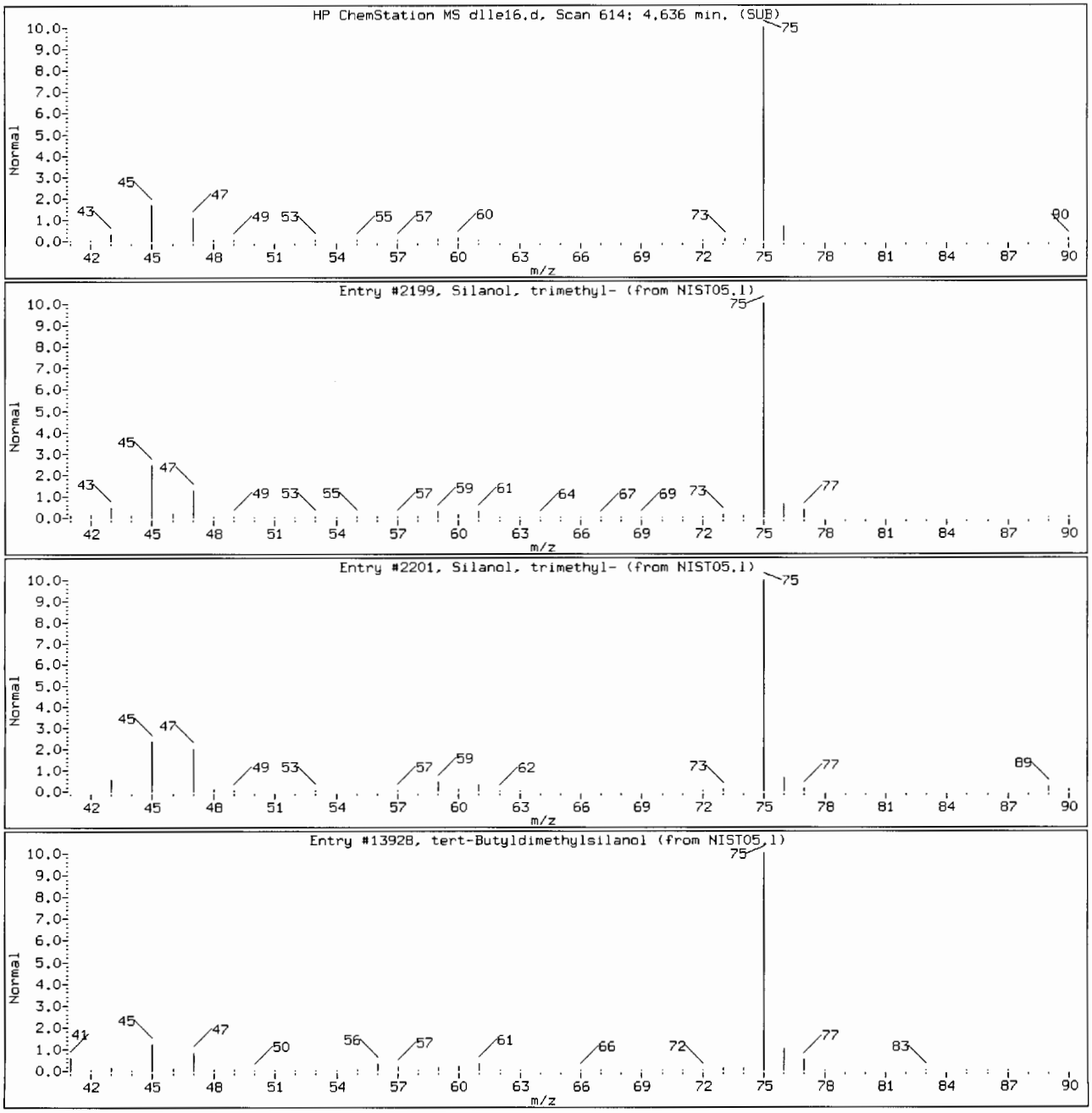
45 Tetrachloroethene



Data File: dlle16.d
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13
Client ID: MW-24S_050114DL Instrument: D.i
Sample Info: 200-22183-B-3 Operator: JSW

Retention Time: 4.64

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2199	78	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2201	78	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NIST05.1	13928	64	C6H16OSi	132



Data File: d11e16.d

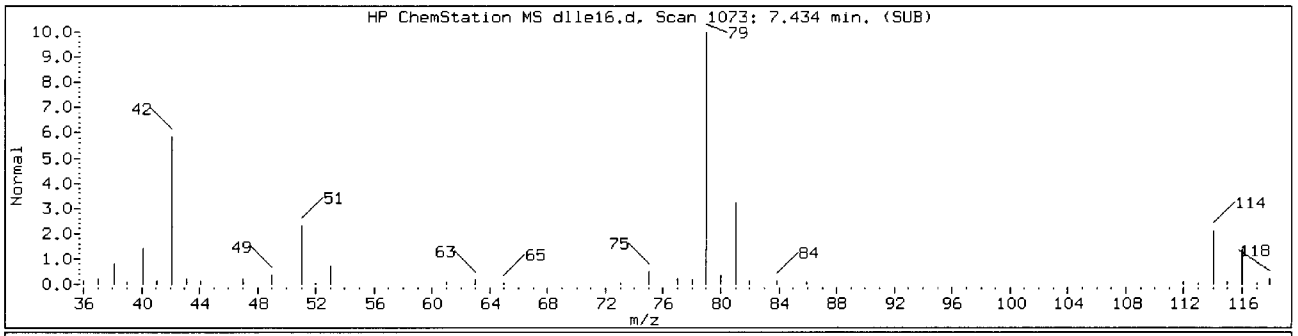
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13

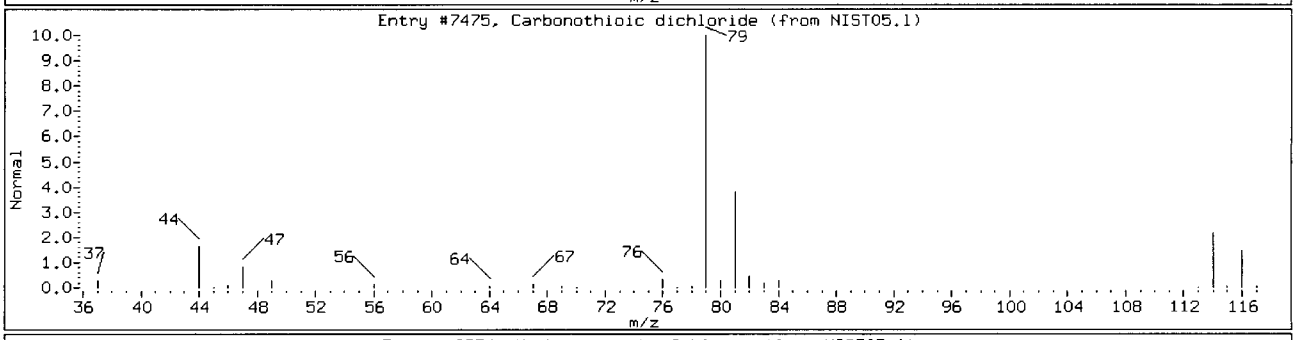
Client ID: MW-24S_050114DL Instrument: D.i

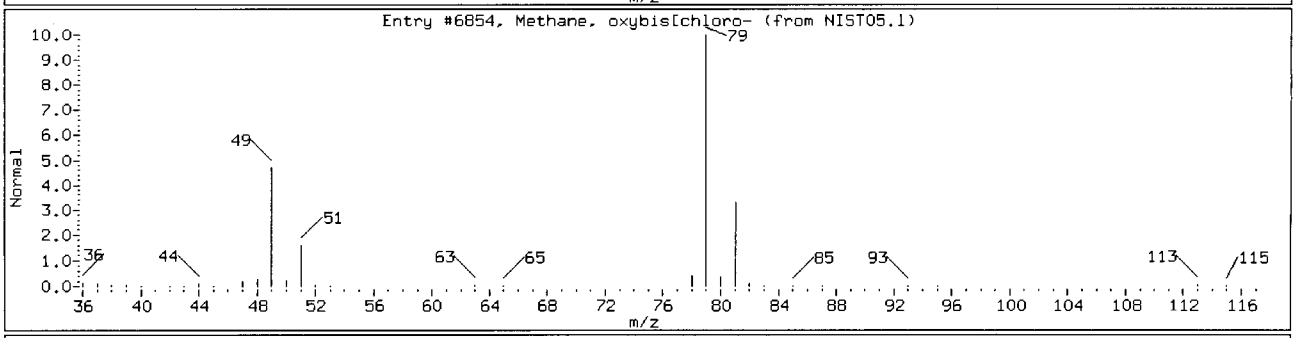
Sample Info: 200-22183-B-3 Operator: JSW

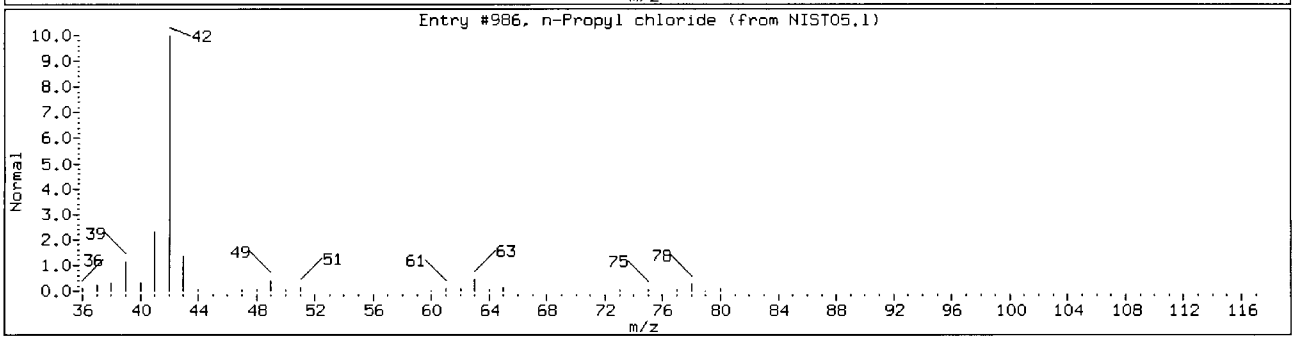
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114
n-Propyl chloride	540-54-5	NIST05.1	986	9	C3H7Cl	78





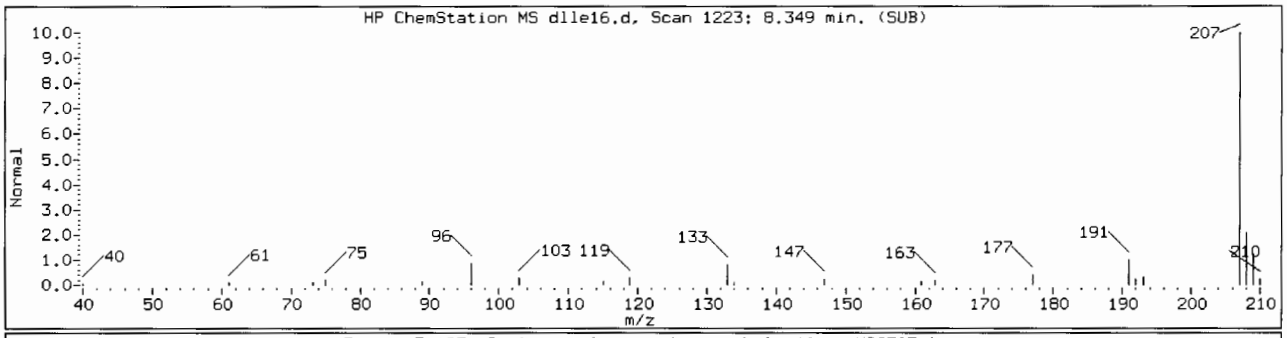


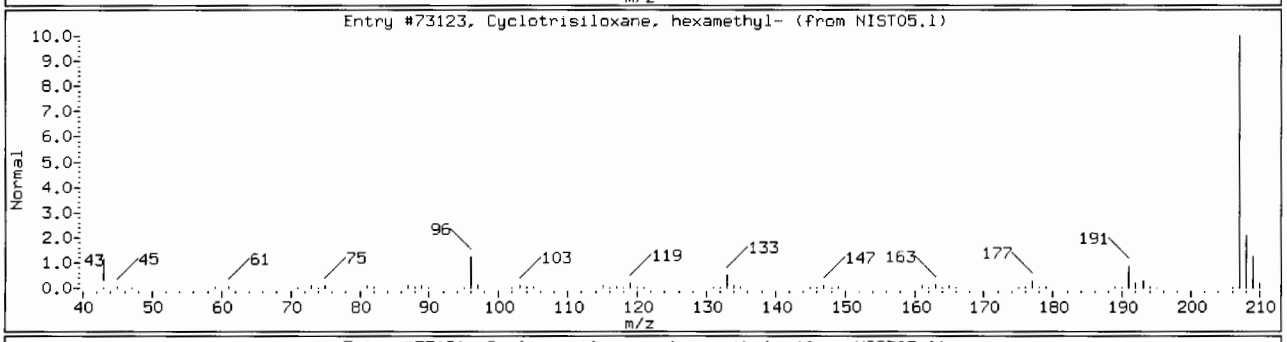


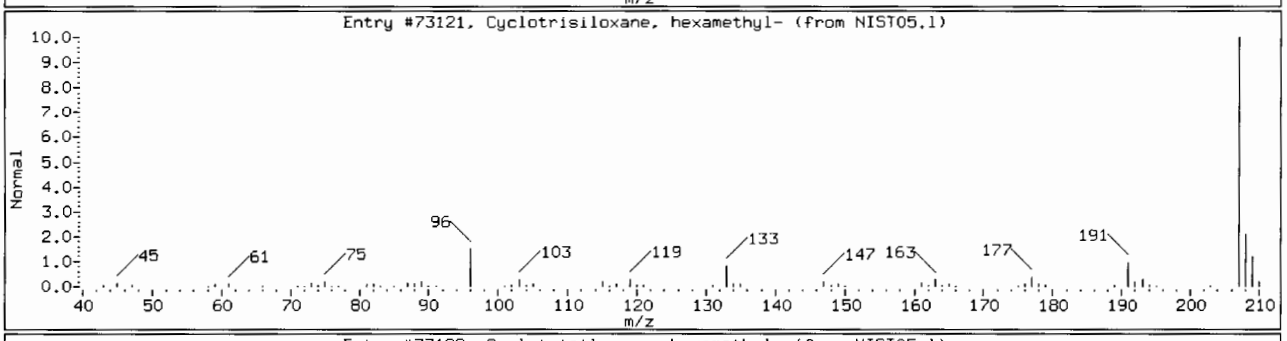
Data File: dlle16.d
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13
Client ID: MW-24S_050114DL Instrument: D.i
Sample Info: 200-22183-B-3 Operator: JSW

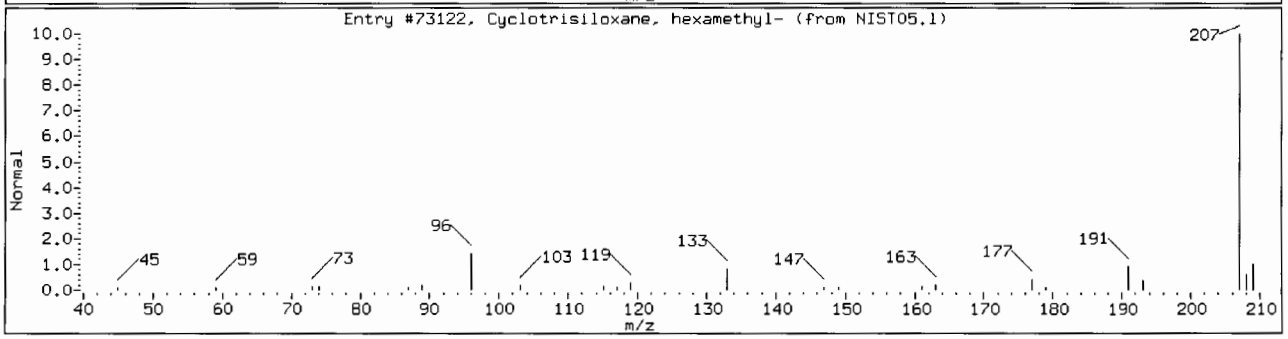
Retention Time: 8.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	47	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	43	C6H18O3Si3	222





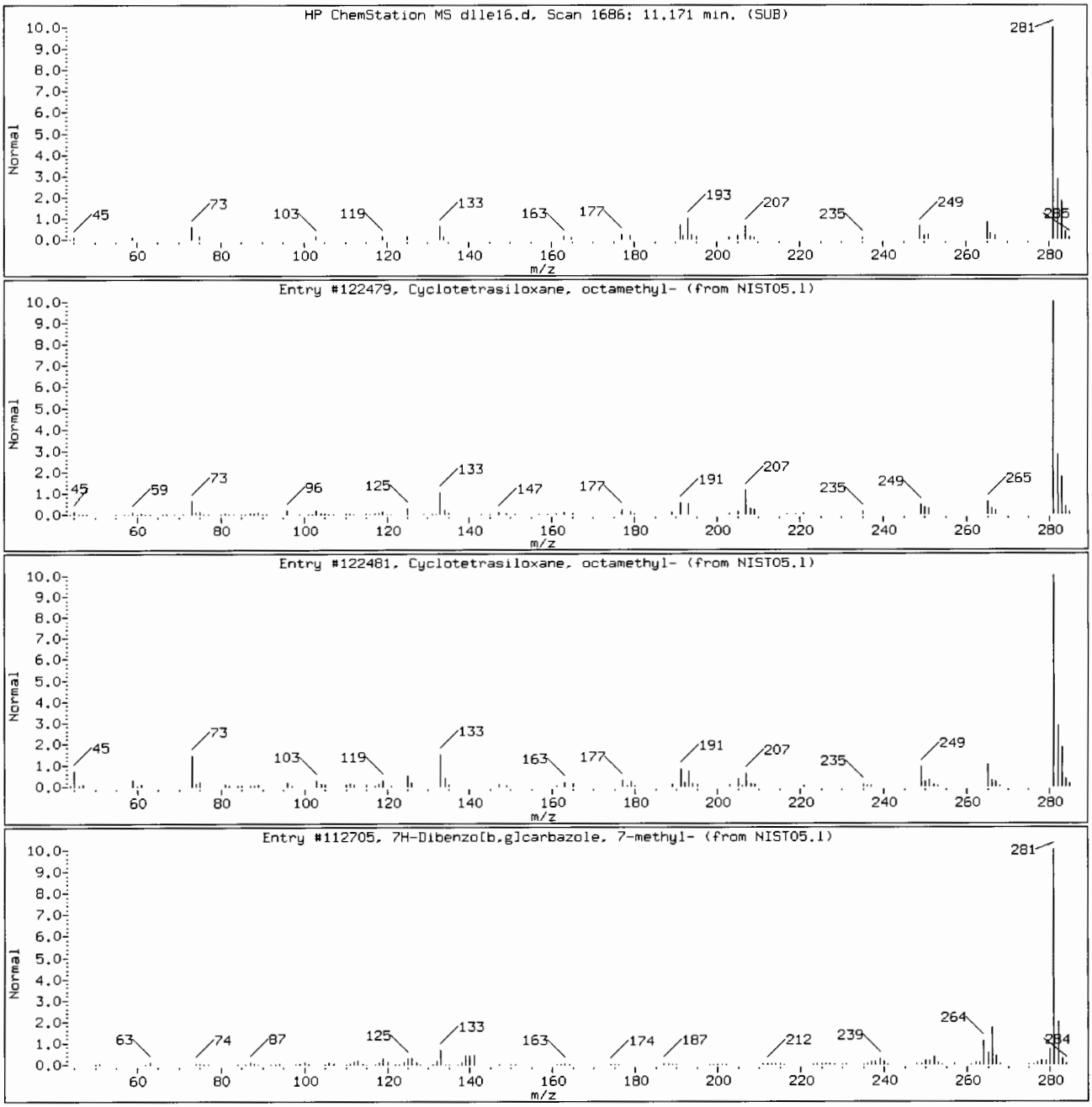




Data File: dlle16.d
Lab Sample ID: 200-22183-3 Date: 13-MAY-2014 16:13
Client ID: MW-24S_050114DL Instrument: D.i
Sample Info: 200-22183-B-3 Operator: JSW

Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	86	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	78	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C21H15N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-11S_050214
Lab Sample ID: 200-22183-5
Matrix: Water
Lab File ID: d11e12.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 08:36
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 14:35
Soil Aliquot Vol:
Dilution Factor: 8.4
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	4.2	U	4.2	0.62
74-87-3	Chloromethane	4.2	U	4.2	0.52
75-01-4	Vinyl chloride	4.2	U	4.2	0.56
74-83-9	Bromomethane	4.2	U	4.2	0.58
75-00-3	Chloroethane	11		4.2	0.78
75-69-4	Trichlorofluoromethane	1.2	J	4.2	0.83
75-35-4	*1,1-Dichloroethene*	*190*	*E*	*4.2*	*0.31*
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	4.2	U	4.2	0.32
67-64-1	Acetone	42	U	42	7.7
75-15-0	Carbon disulfide	4.2	U	4.2	0.42
79-20-9	Methyl acetate	4.2	U	4.2	1.2
75-09-2	Methylene chloride	4.2	U	4.2	0.59
156-60-5	trans-1,2-Dichloroethene	1.7	J	4.2	0.39
1634-04-4	Methyl tert-butyl ether	4.2	U	4.2	0.52
75-34-3	*1,1-Dichloroethane*	*210*	*E*	*4.2*	*0.63*
156-59-2	*cis-1,2-Dichloroethene*	*780*	*E*	*4.2*	*0.45*
78-93-3	2-Butanone	42	U	42	7.5
74-97-5	Bromochloromethane	4.2	U	4.2	0.61
67-66-3	Chloroform	4.2	U	4.2	0.68
71-55-6	*1,1,1-Trichloroethane*	*310*	*E*	*4.2*	*0.66*
110-82-7	Cyclohexane	4.2	U	4.2	0.55
56-23-5	Carbon tetrachloride	4.2	U	4.2	0.55
71-43-2	Benzene	4.2	U	4.2	0.54
107-06-2	1,2-Dichloroethane	4.2	U	4.2	0.75
79-01-6	*Trichloroethene*	*230*	*E*	*4.2*	*0.67*
108-87-2	Methylcyclohexane	4.2	U	4.2	0.65
78-87-5	1,2-Dichloropropane	4.2	U	4.2	0.59
75-27-4	Bromodichloromethane	4.2	U	4.2	0.51
10061-01-5	cis-1,3-Dichloropropene	4.2	U	4.2	0.50
108-10-1	4-Methyl-2-pentanone	42	U	42	6.9
108-88-3	Toluene	0.81	J	4.2	0.57
10061-02-6	trans-1,3-Dichloropropene	4.2	U	4.2	1.8
79-00-5	1,1,2-Trichloroethane	4.2	U	4.2	0.73
127-18-4	Tetrachloroethene	17		4.2	0.66
591-78-6	2-Hexanone	42	U	42	8.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-11S_050214
Lab Sample ID: 200-22183-5
Matrix: Water
Lab File ID: dlle12.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 08:36
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 14:35
Soil Aliquot Vol:
Dilution Factor: 8.4
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	4.2	U	4.2	0.56
106-93-4	1,2-Dibromoethane	4.2	U	4.2	0.49
108-90-7	Chlorobenzene	4.2	U	4.2	0.53
100-41-4	Ethylbenzene	4.2	U	4.2	0.50
95-47-6	o-Xylene	4.2	U	4.2	0.55
179601-23-1	m,p-Xylene	4.2	U	4.2	0.57
100-42-5	Styrene	4.2	U	4.2	0.51
75-25-2	Bromoform	4.2	U	4.2	0.70
98-82-8	Isopropylbenzene	4.2	U	4.2	0.49
79-34-5	1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.76
541-73-1	1,3-Dichlorobenzene	4.2	U	4.2	0.54
106-46-7	1,4-Dichlorobenzene	4.2	U	4.2	0.50
95-50-1	1,2-Dichlorobenzene	4.2	U	4.2	0.60
96-12-8	1,2-Dibromo-3-chloropropane	4.2	U	4.2	1.3
120-82-1	1,2,4-Trichlorobenzene	4.2	U	4.2	0.55
87-61-6	1,2,3-Trichlorobenzene	4.2	U	4.2	0.76

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	116		65-131
19199-91-8	Chloroethane-d5	124		71-131
22280-73-5	1,1-Dichloroethene-d2	229	X	55-104
24313-50-6	2-Butanone-d5	112		49-155
865-49-6	Chloroform-d	112		78-121
17060-07-0	1,2-Dichloroethane-d4	132	X	78-129
1076-43-3	Benzene-d6	104		77-124
93952-08-0	1,2-Dichloropropane-d6	89		79-124
2037-26-5	Toluene-d8	102		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	100		73-121
4840-82-8	2-Hexanone-d5	103		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	96		73-125
2199-69-1	1,2-Dichlorobenzene-d4	94		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-11S_050214 Lab Sample ID: 200-22183-5

Matrix: Water Lab File ID: dlle12.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 08:36

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 14:35

Soil Aliquot Vol: Dilution Factor: 8.4

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

Number TICs Found: 4 TIC Result Total: 65.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	1.39	26	J
	Unknown	7.43	26	B J
	Unknown	8.35	5.4	J
	Unknown	11.17	7.8	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-11S_050214
Lab Sample ID: 200-22183-5
Matrix: Water
Lab File ID: dlle12.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 08:36
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 14:35
Soil Aliquot Vol:
Dilution Factor: 8.4
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-5
Client Smp ID: MW-11S_050214
Inj Date : 13-MAY-2014 14:35
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-5
Misc Info : 8.4,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dl107.d
Als bottle: 12
Dil Factor: 8.40000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	8.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	77615	145.245	5.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	62921	155.544	6.2
	7 Chloroethane	64	2.155	2.155	(0.353)	11969	32.6095	11
	8 Trichlorofluoromethane	101	2.381	2.374	(0.390)	3336	3.42995	1.2(a)
$	9 1,1-Dichloroethene-d2	63	2.850	2.838	(0.467)	313499	285.651	11(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	295398	579.169	190(AQ)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	2743	5.19940	1.7(a)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	593938	613.463	210(A)
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	85082	1403.80	56
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	1198108	2308.81	780(A)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	129204	139.638	5.6
	24 Chloroform	83	5.057	5.051	(0.828)	1688	1.94433	0.65(aQ)
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	889842	929.080	310(A)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	53879	164.638	6.6(R)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	280974	129.641	5.2
	30 Benzene	78	5.673	5.673	(0.599)	1641	0.73538	0.25(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	231977	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	407274	694.710	230(A)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	67761	111.682	4.5(Q)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	273599	127.494	5.1
	41 Toluene	91	7.861	7.861	(0.830)	5874	2.41482	0.81(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	55461	125.063	5.0
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	29113	49.4807	17
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	65111	1292.73	52(Q)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	185493	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.050	11.050	(1.166)	25195	120.608	4.8
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	89528	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	74943	116.935	4.7
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-5
Client Smp ID: MW-11S_050214
Inj Date : 13-MAY-2014 14:35
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-5
Misc Info : 8.4,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 12
Dil Factor: 8.40000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	8.40000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	549523	125.000
* 50 Chlorobenzene-d5	9.477	584542	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	543239	125.000

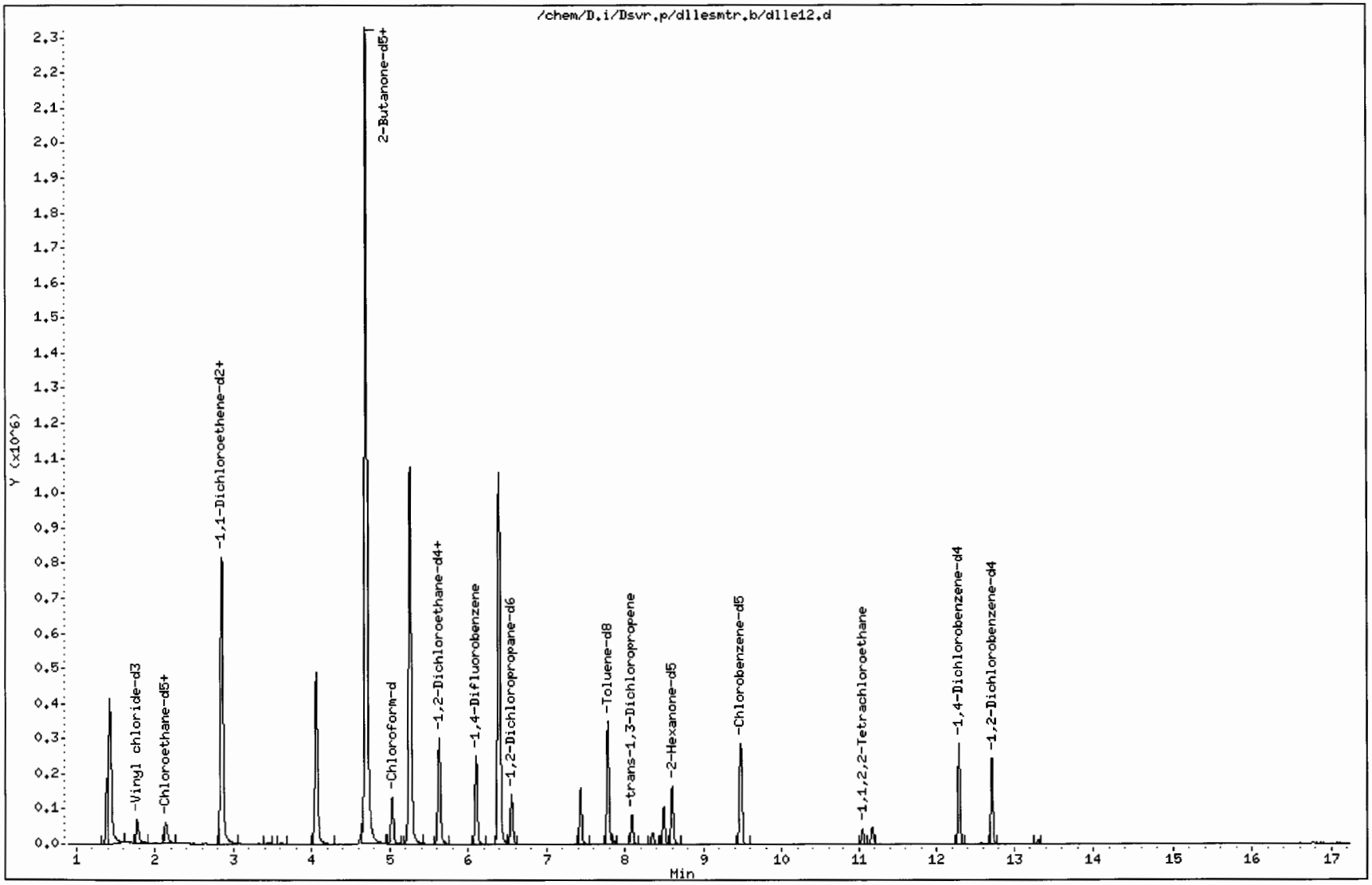
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
1.387	335182	76.2437573	26	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.434	337068	76.6726486	26	0		0	32
Unknown					CAS #:		
8.349	75115	16.0626810	5.4	0		0	50
Unknown					CAS #:		
11.171	100876	23.2116486	7.8	0		0	61

Data File: /chem/D.i/Dsvr.p/dllesmtr.b/dlle12.d
Date : 13-MAY-2014 14:35
Client ID: MW-11S_050214
Sample Info: 200-22183-C-5
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



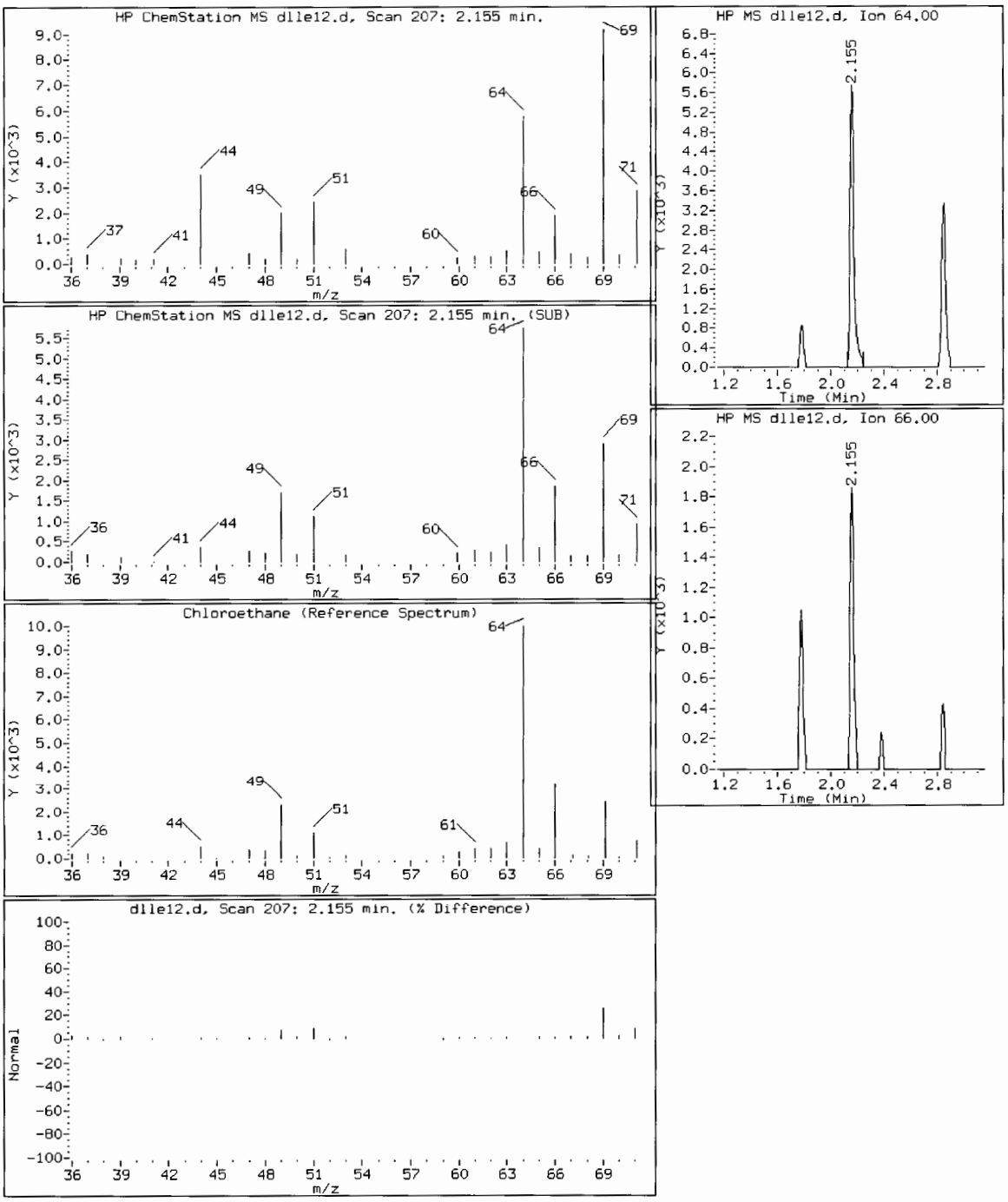
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

7 Chloroethane



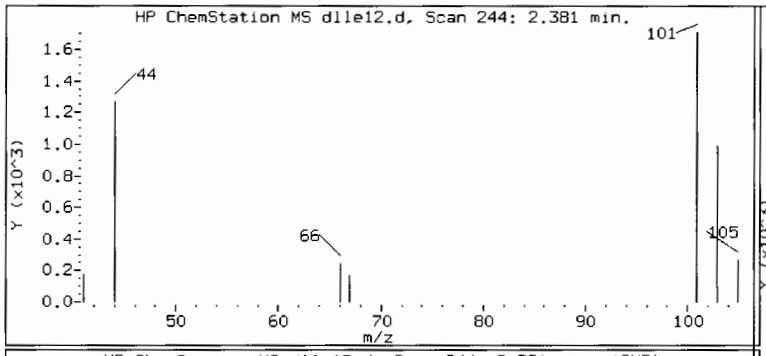
Data File: dlle12.d

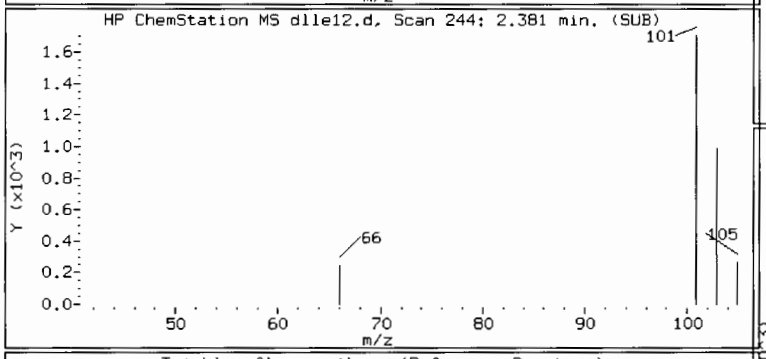
Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

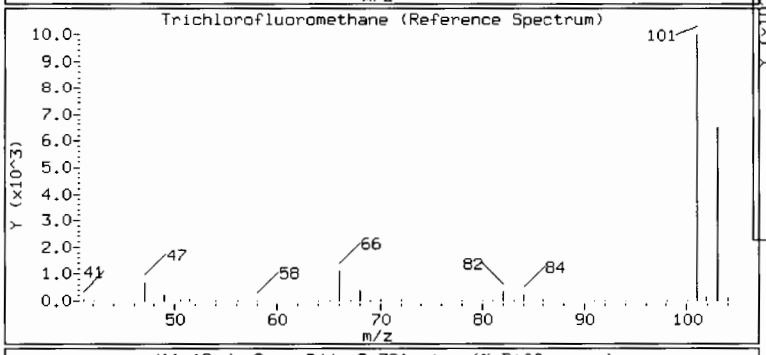
Client ID: MW-11S_050214 Instrument: D.i

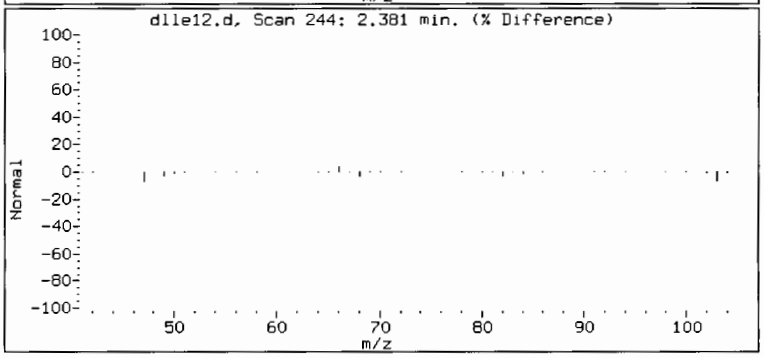
Sample Info: 200-22183-C-5 Operator: JSW

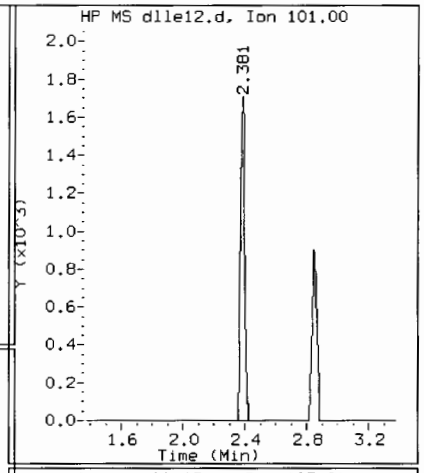
8 Trichlorofluoromethane

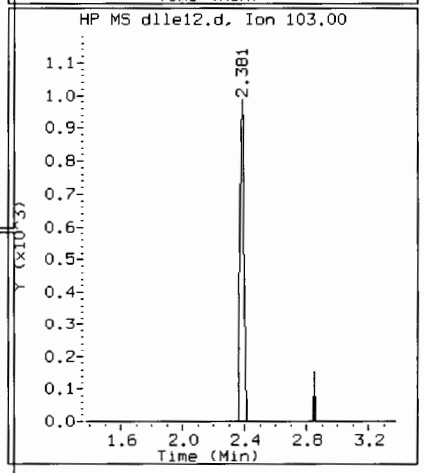












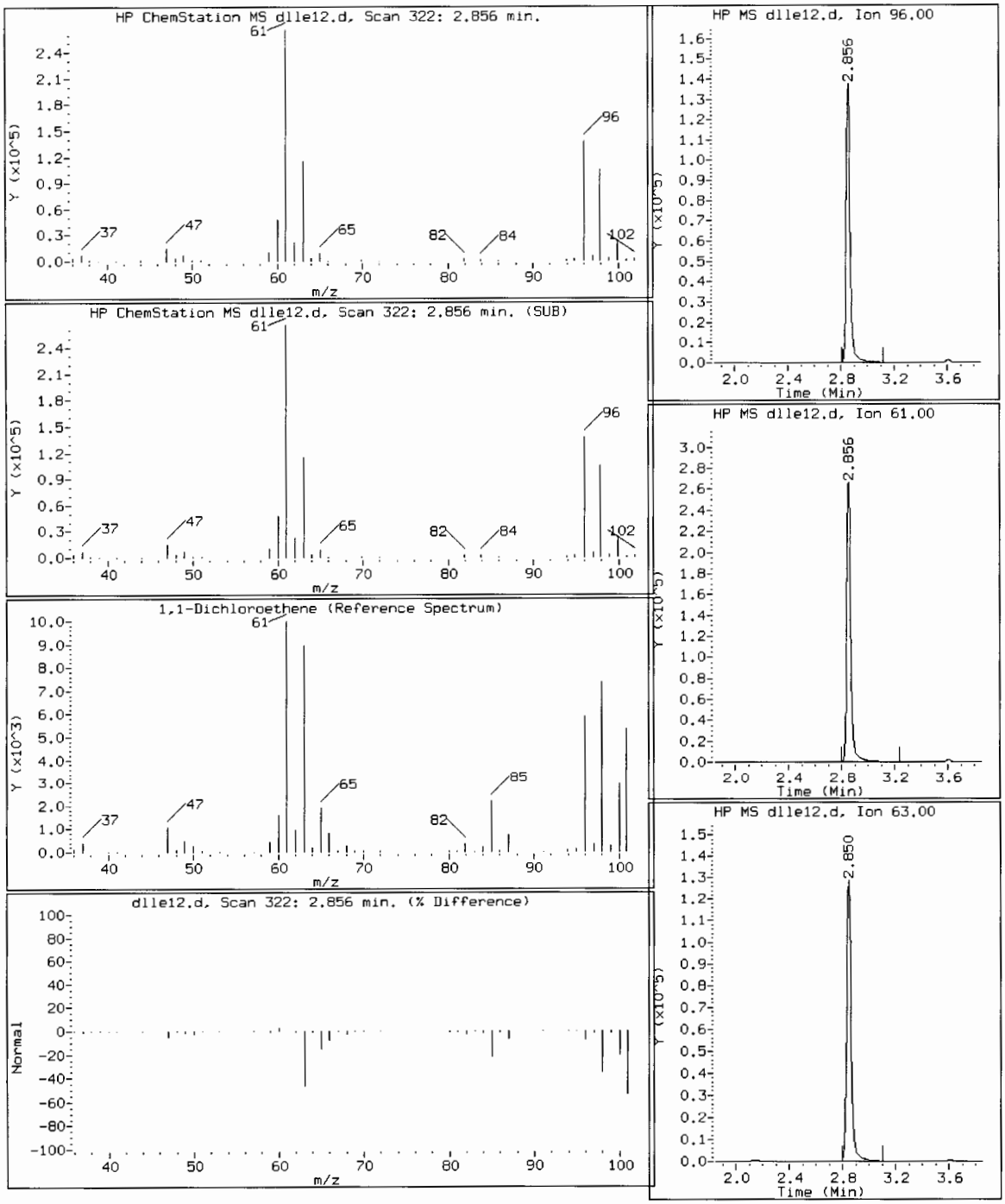
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

10 1,1-Dichloroethene



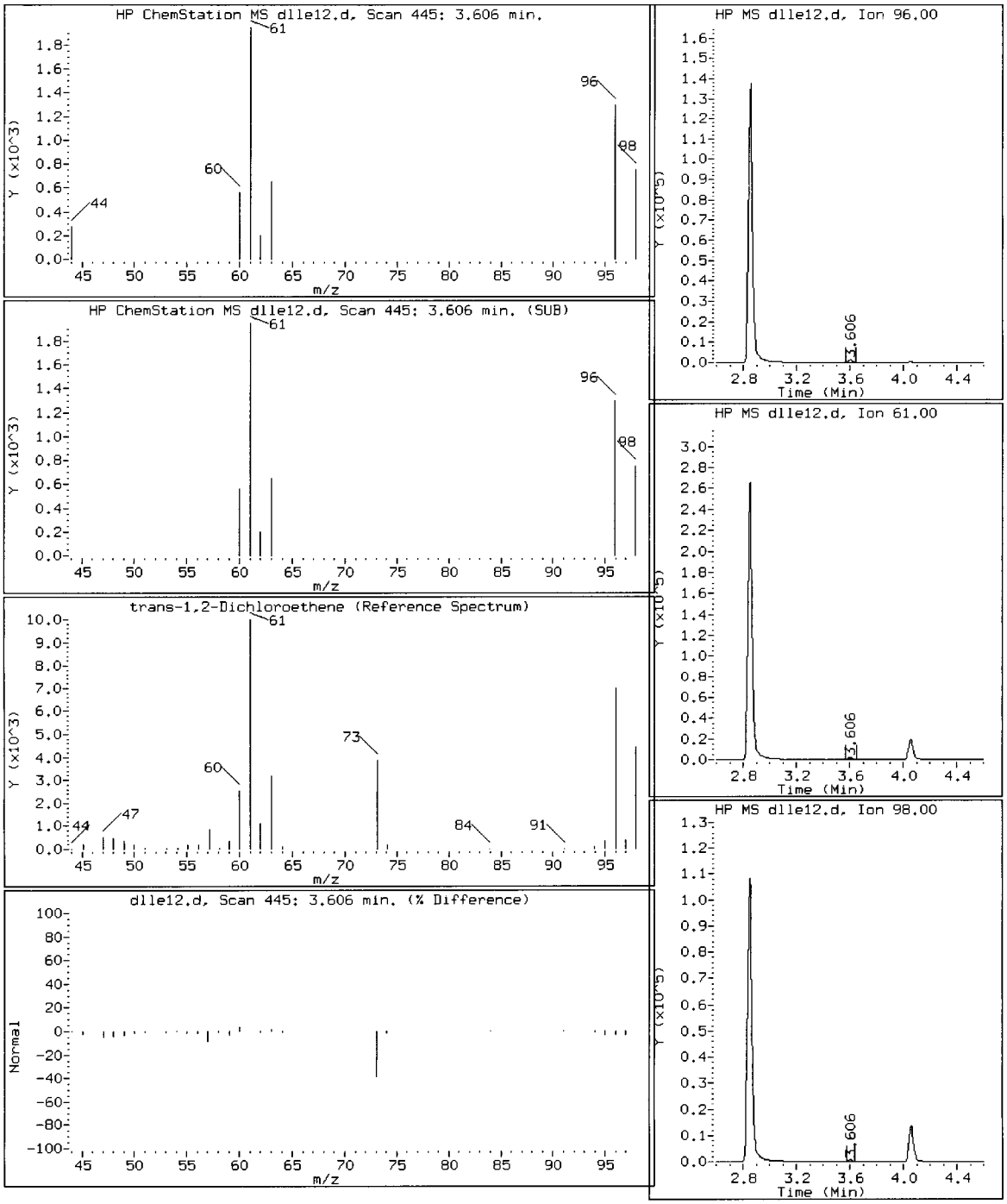
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

16 trans-1,2-Dichloroethene



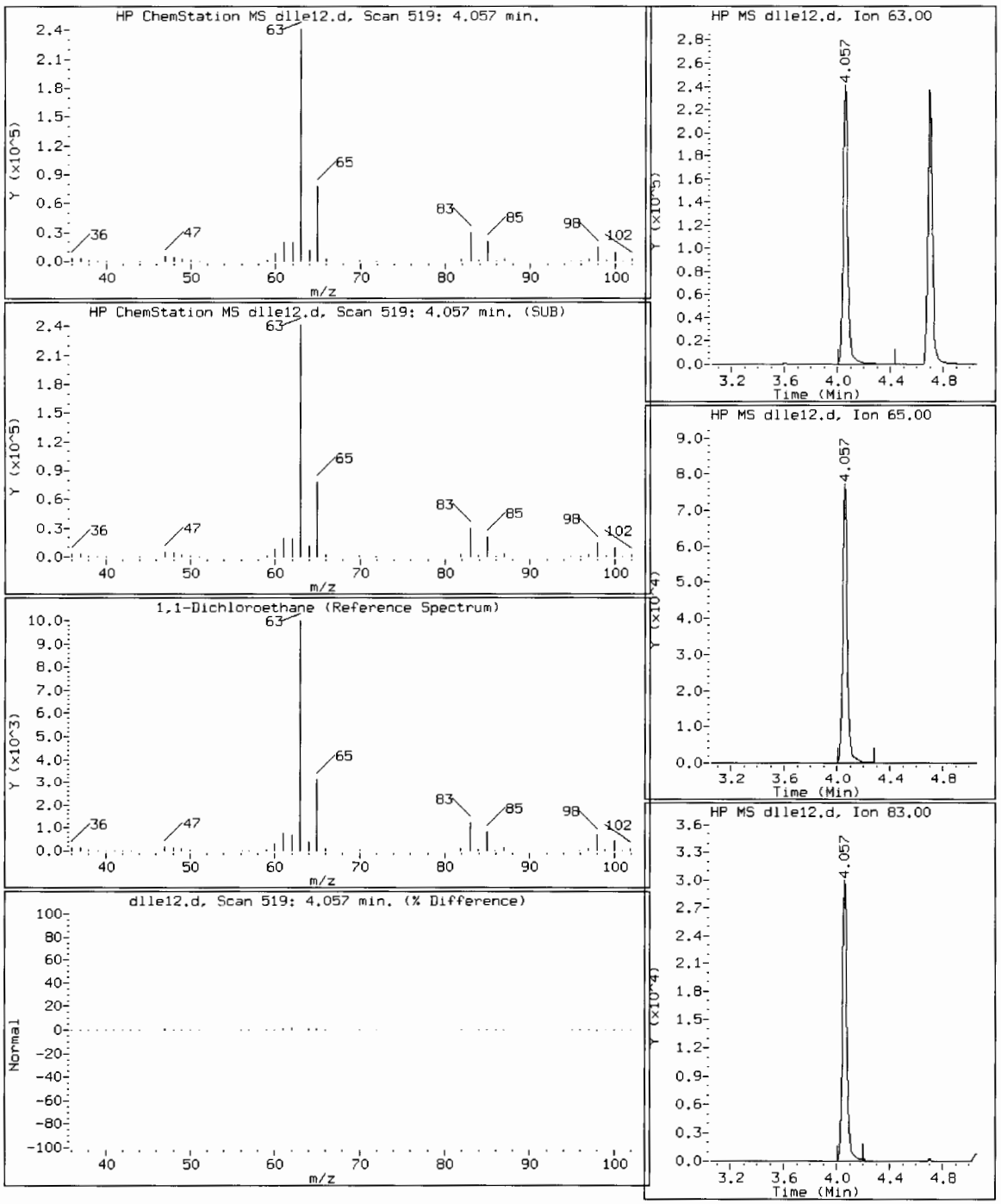
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

18 1,1-Dichloroethane



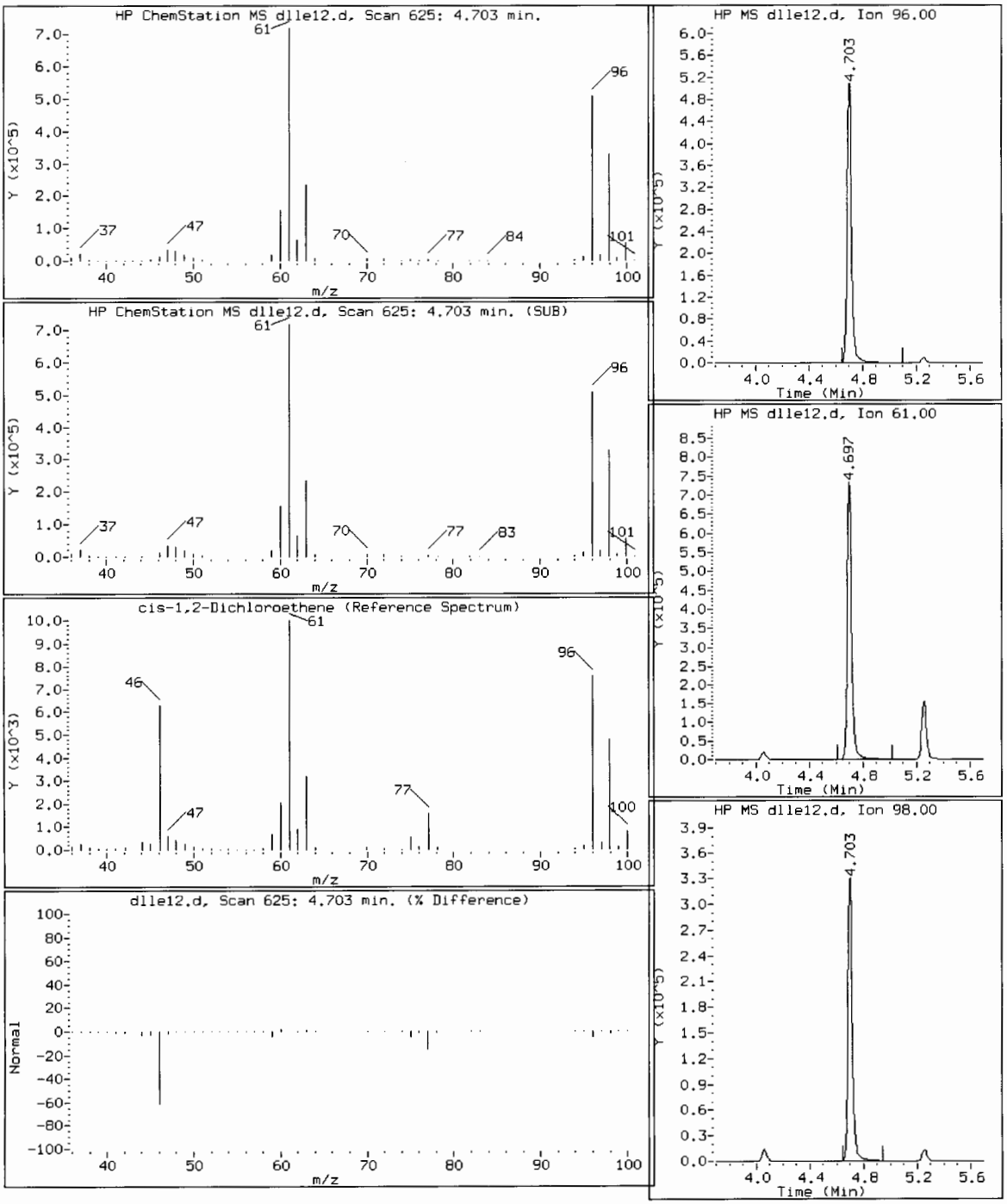
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

20 cis-1,2-Dichloroethene



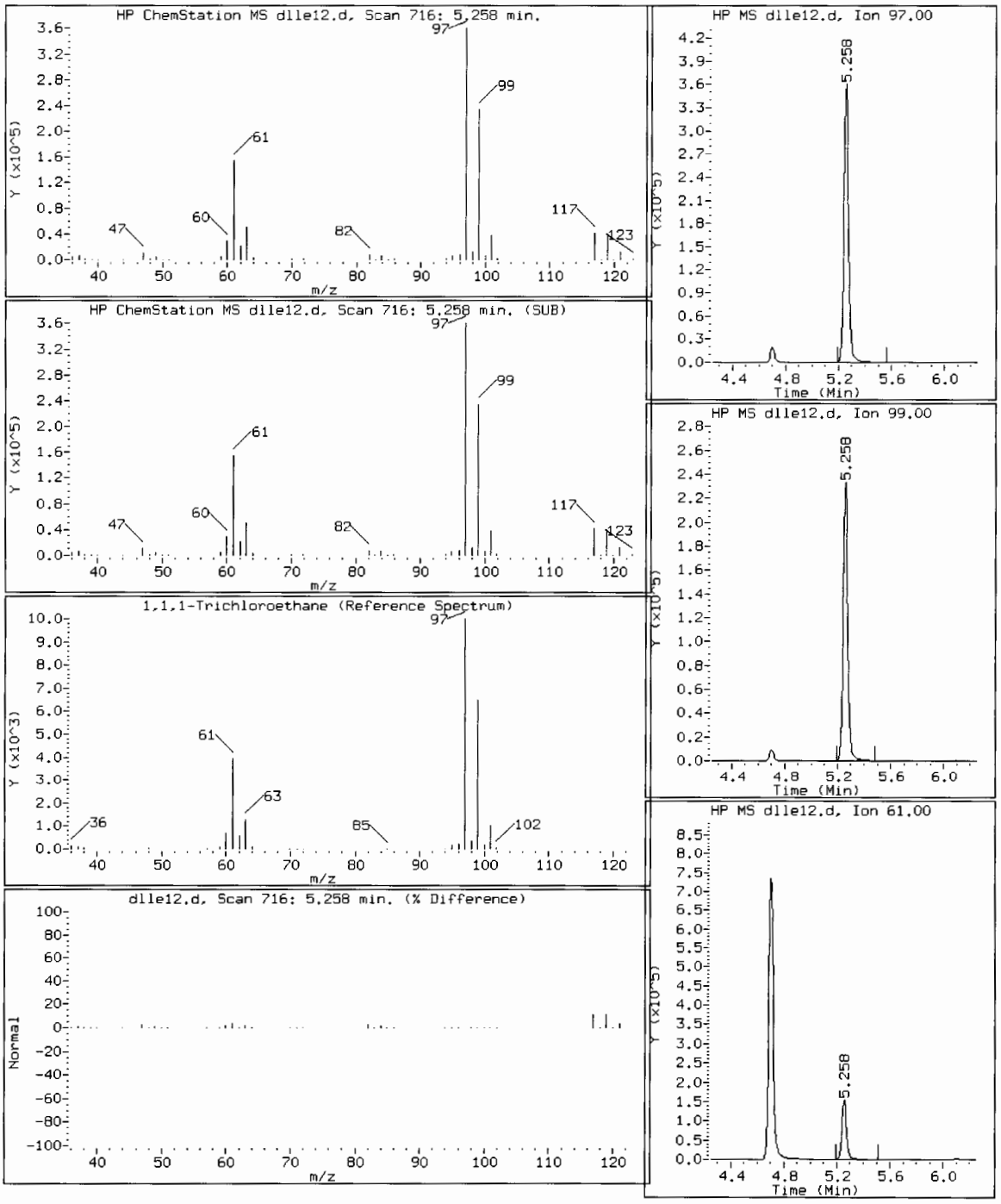
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

25 1,1,1-Trichloroethane



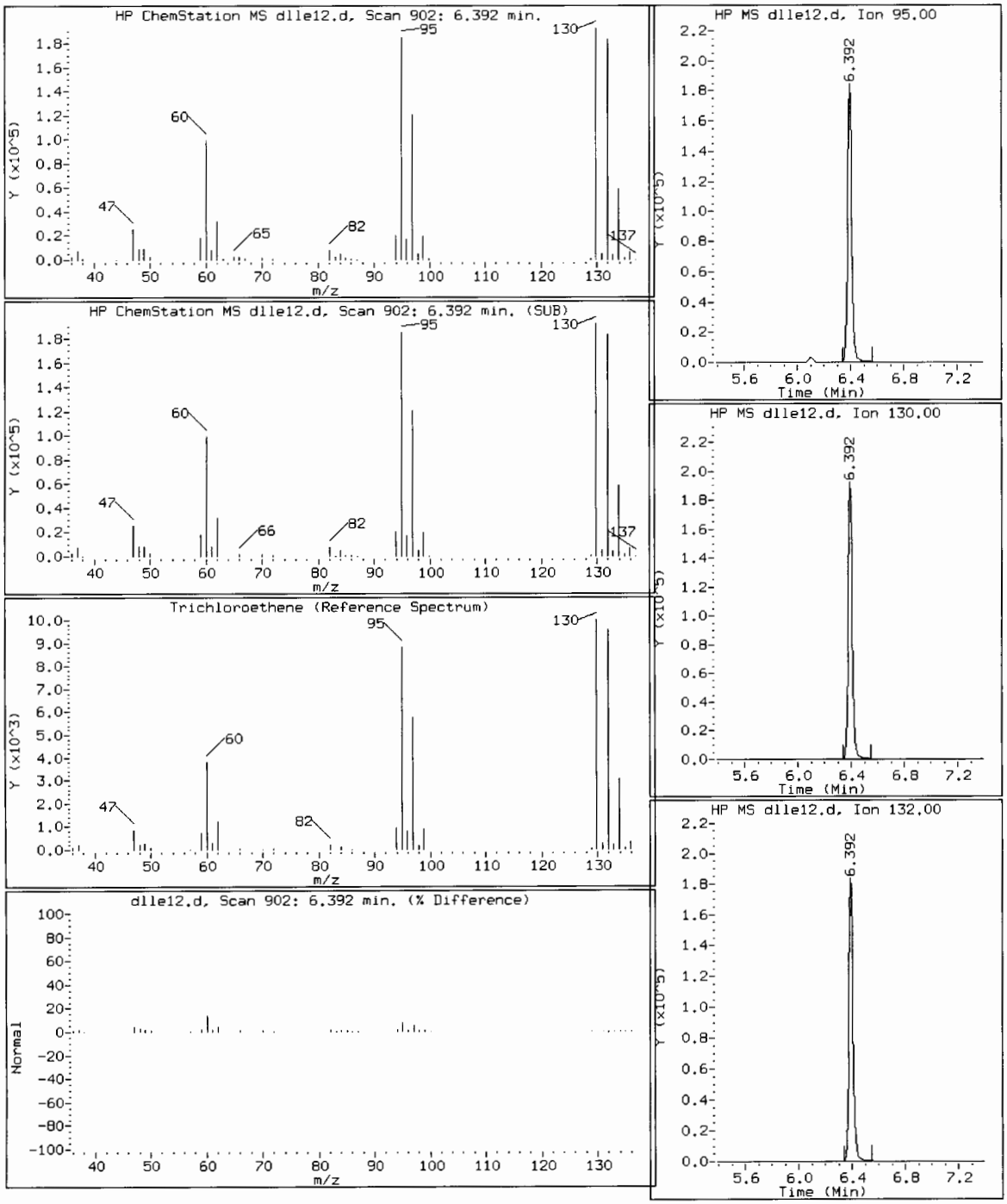
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

33 Trichloroethene



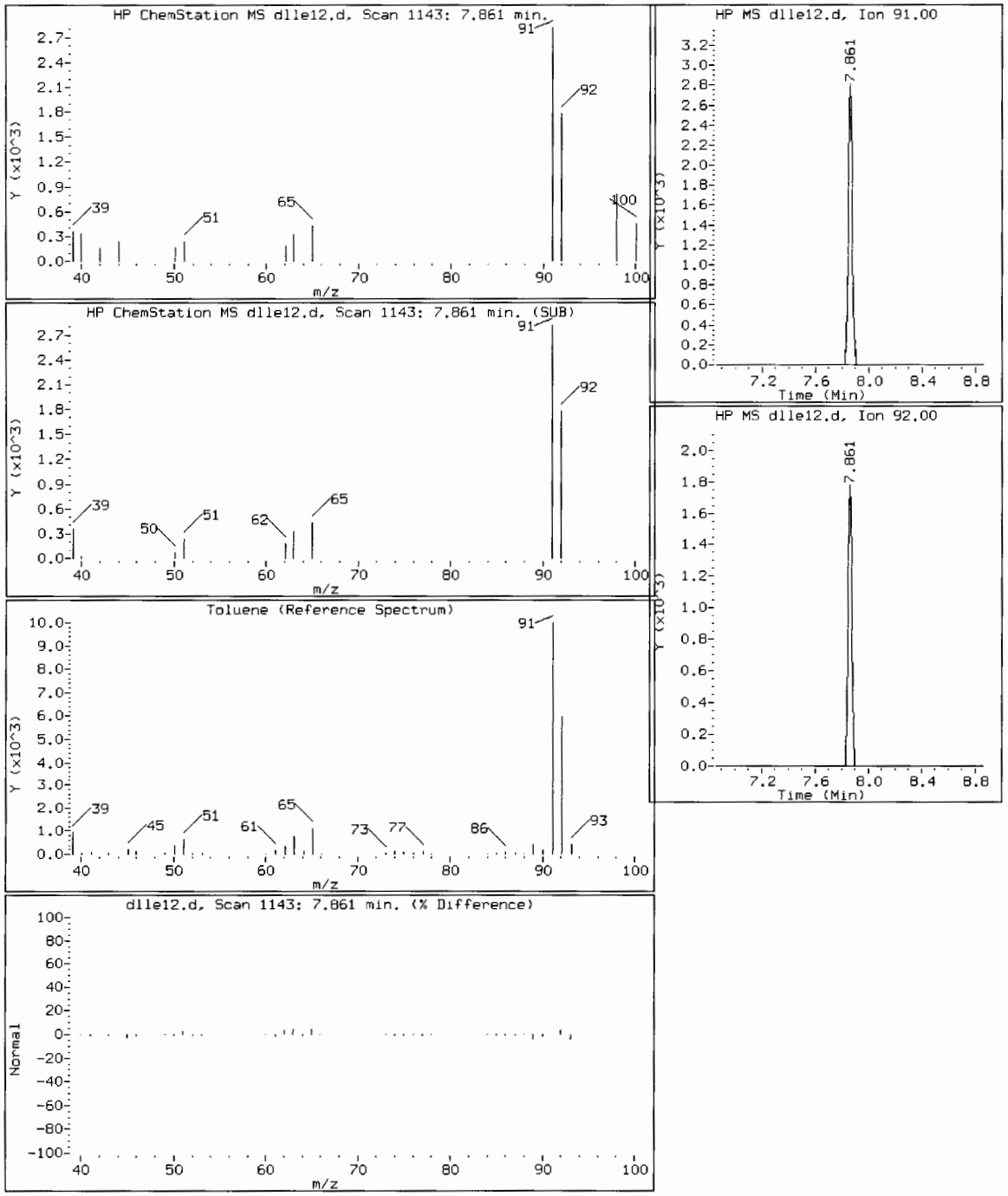
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

41 Toluene



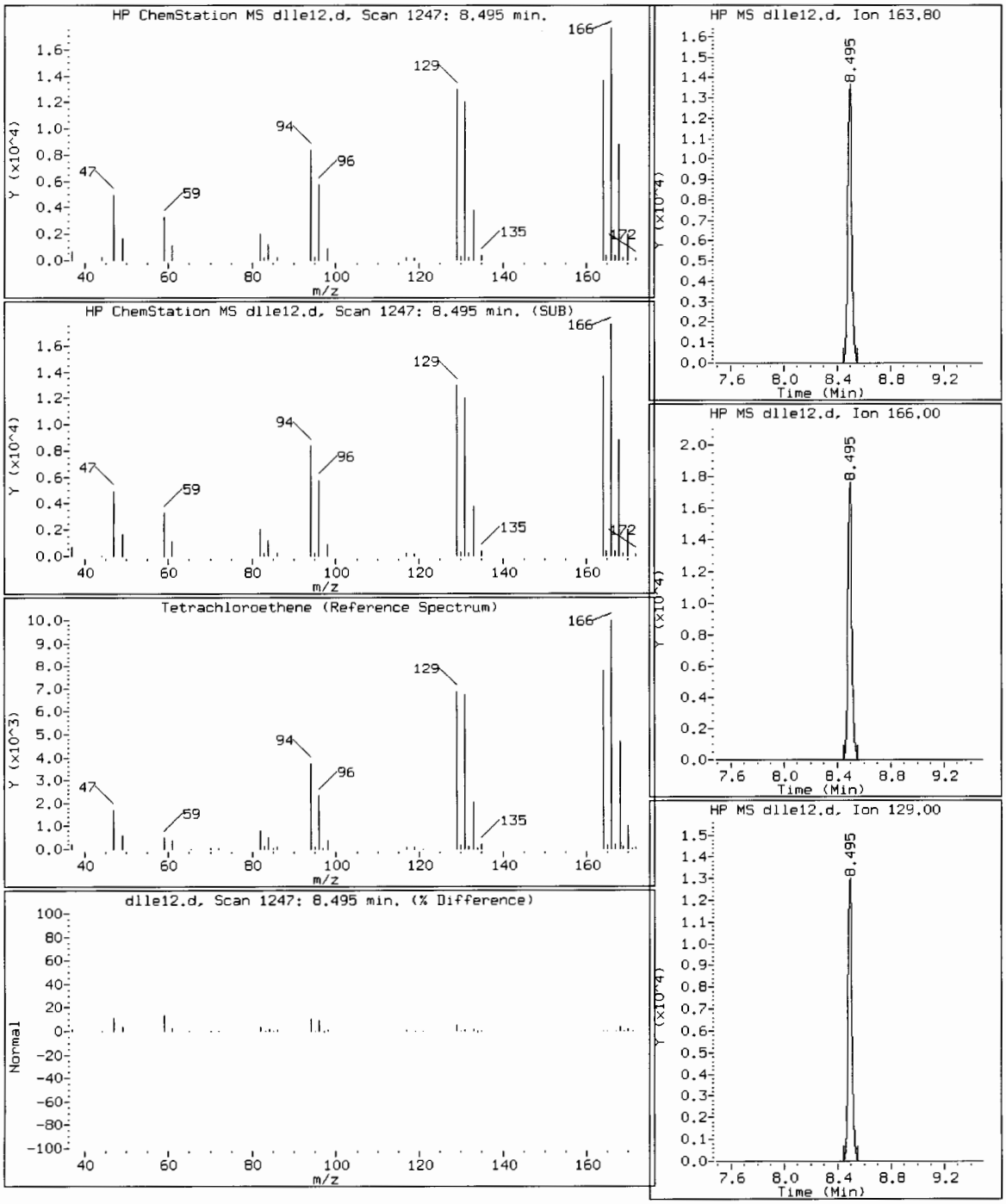
Data File: dlle12.d

Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

Client ID: MW-11S_050214 Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

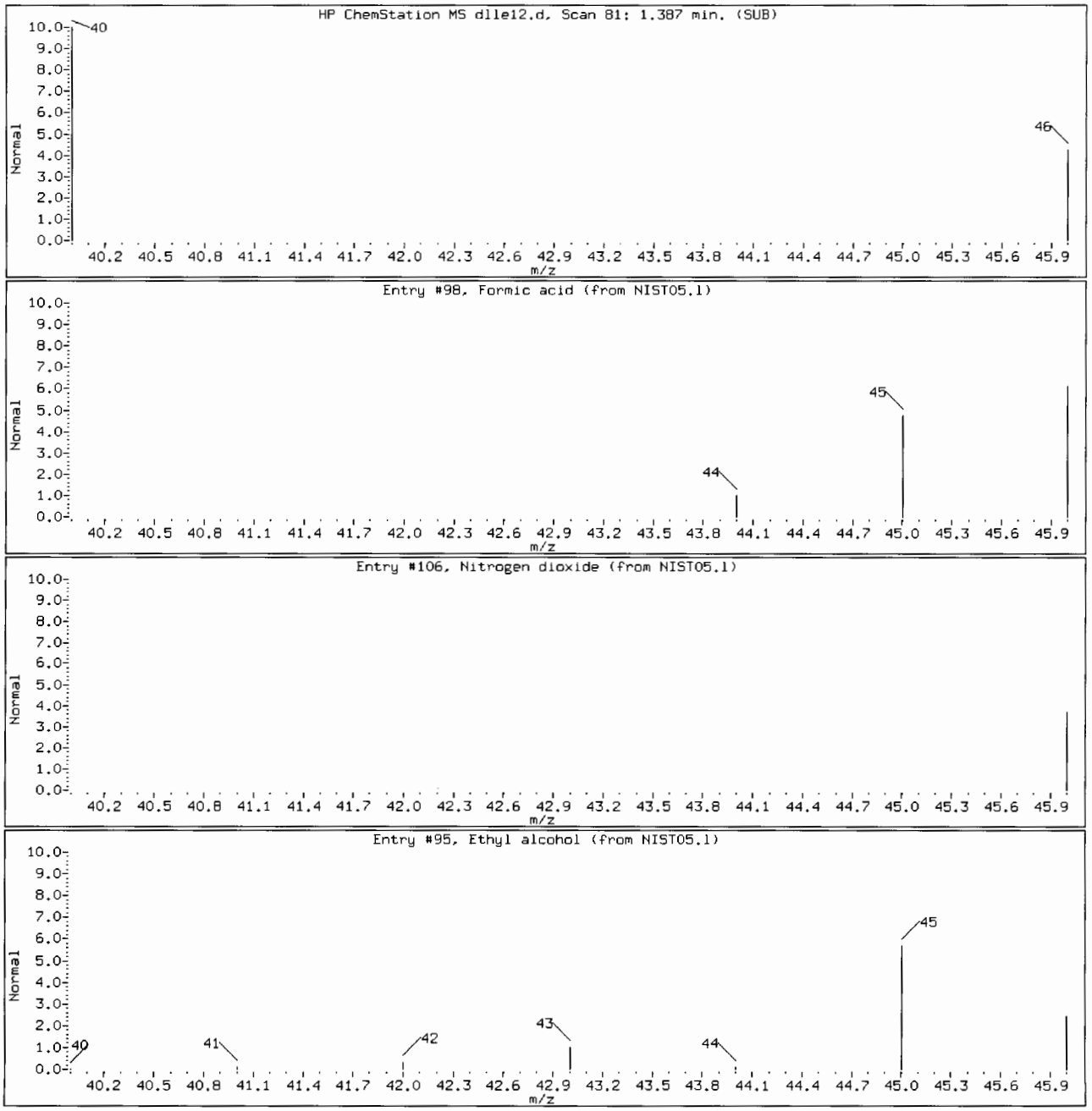
45 Tetrachloroethene



Data File: d11e12.d
Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35
Client ID: MW-11S_050214 Instrument: D.i
Sample Info: 200-22183-C-5 Operator: JSW

Retention Time: 1.39

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Formic acid	64-18-6	NIST05.1	98	2	CH2O2	46
Nitrogen dioxide	10102-44-0	NIST05.1	106	2	NO2	46
Ethyl alcohol	64-17-5	NIST05.1	95	2	C2H6O	46



Data File: dlle12.d

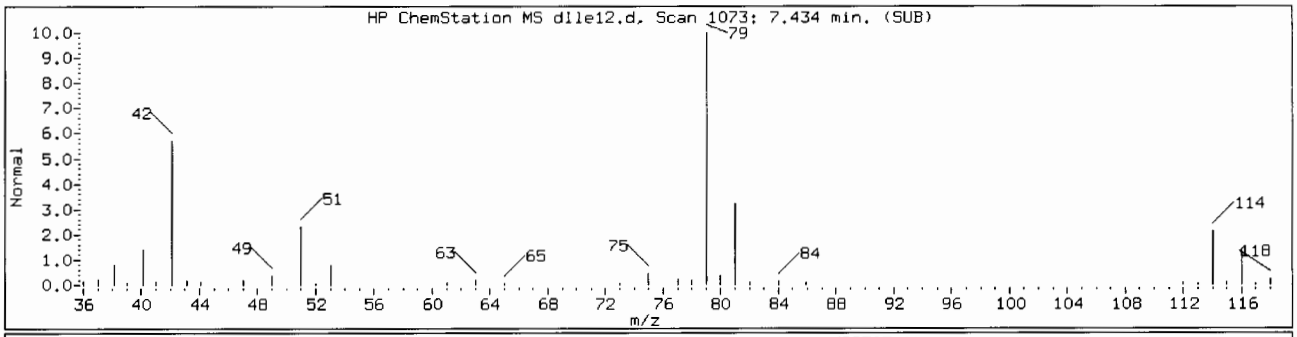
Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35

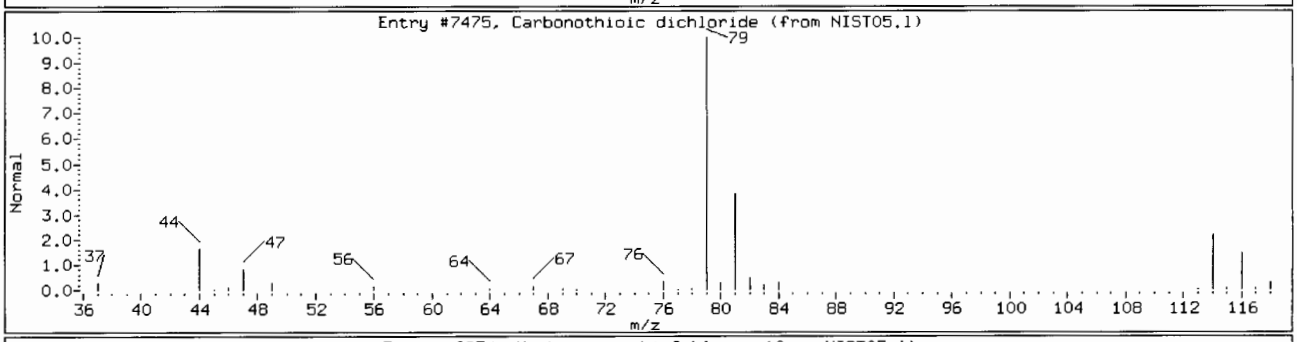
Client ID: MW-11S_050214 Instrument: D.i

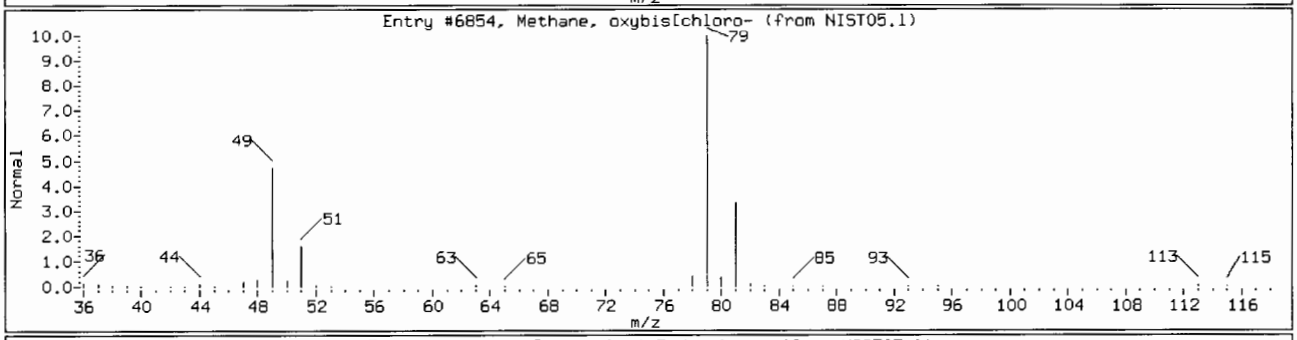
Sample Info: 200-22183-C-5 Operator: JSW

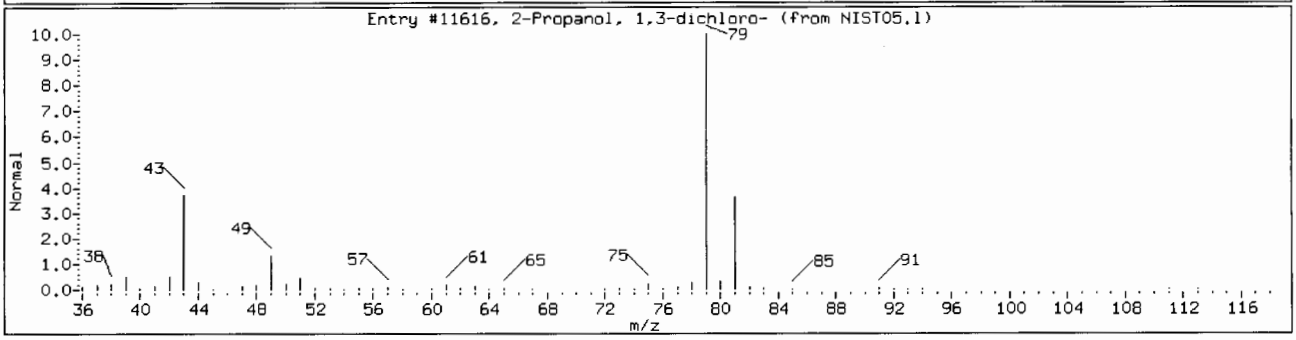
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114
2-Propanol, 1,3-dichloro-	96-23-1	NIST05.1	11616	23	C3H6Cl2O	128





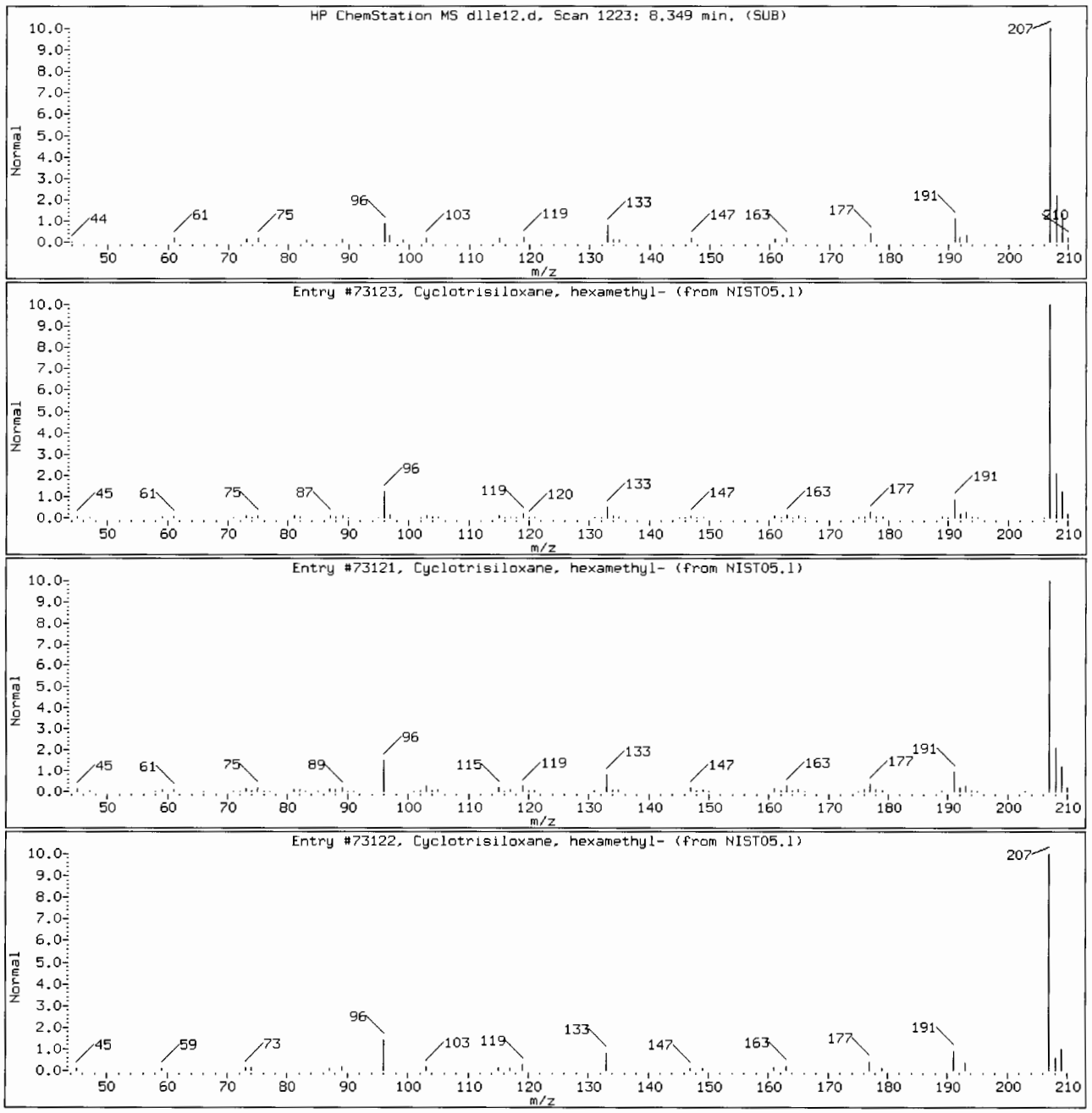




Data File: dlle12.d
Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35
Client ID: MW-11S_050214 Instrument: D.i
Sample Info: 200-22183-C-5 Operator: JSW

Retention Time: 8.35

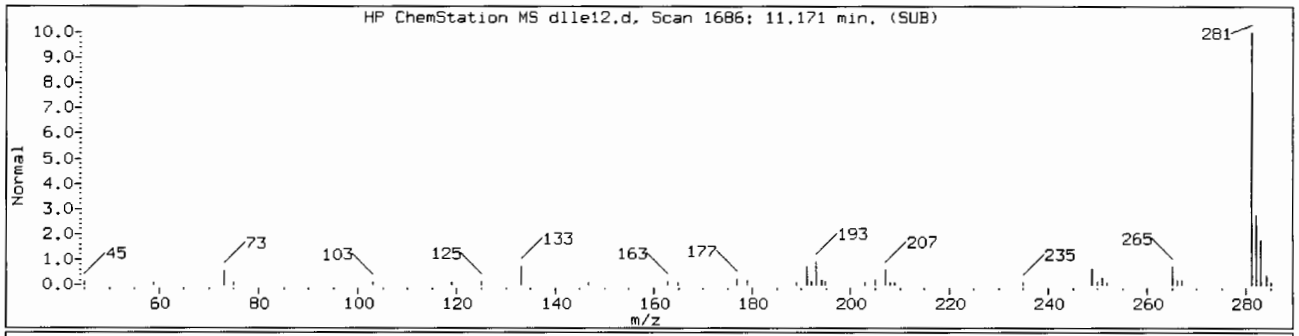
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	43	C6H18O3Si3	222

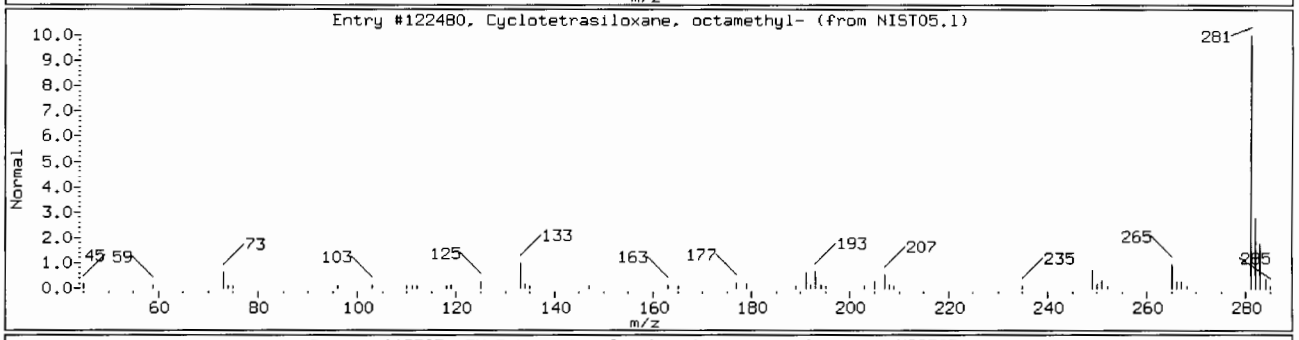


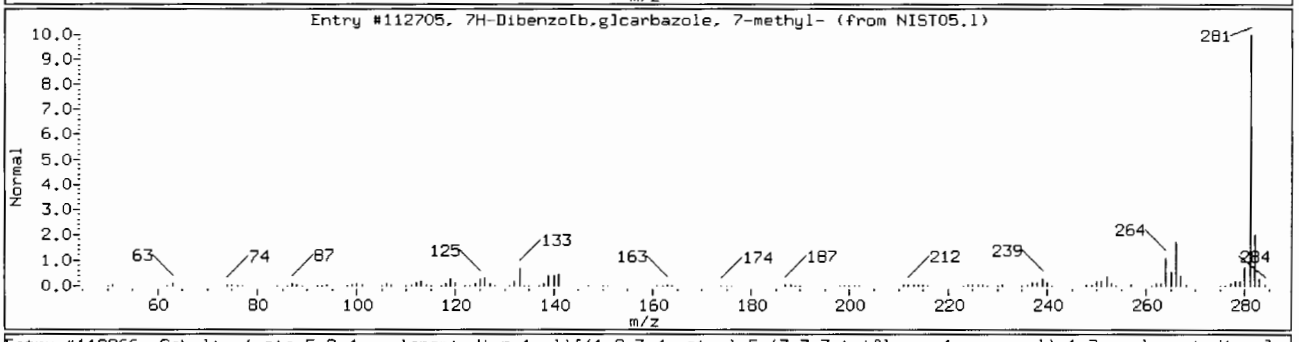
Data File: dlle12.d
Lab Sample ID: 200-22183-5 Date: 13-MAY-2014 14:35
Client ID: MW-11S_050214 Instrument: D.i
Sample Info: 200-22183-C-5 Operator: JSW

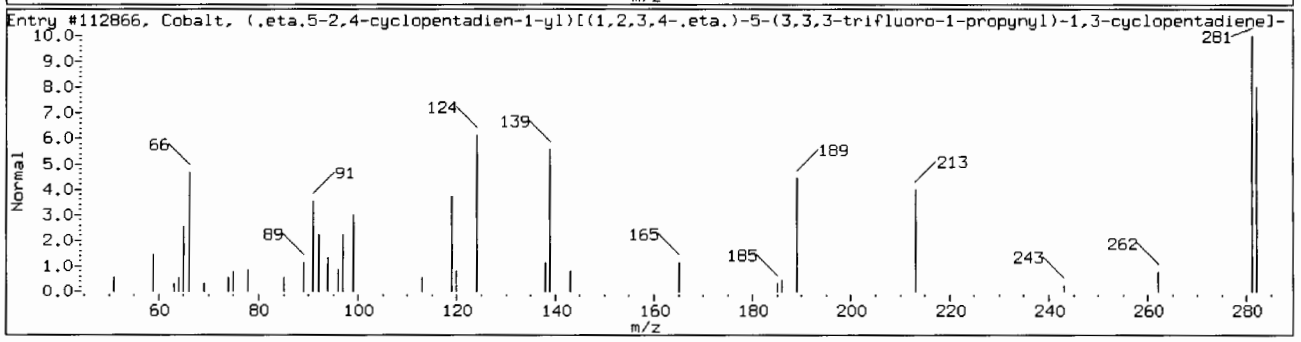
Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	53	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C21H15N	281
Cobalt, (.eta.5-2,4-cyclopentadien	55991-82-7	NIST05.1	112866	53	C13H10CoF3	282









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-11S_050214 DL
Lab Sample ID: 200-22183-5 DL
Matrix: Water
Lab File ID: dlld13.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 08:36
Sample wt/vol: 25(mL)
Date Analyzed: 05/12/2014 18:09
Soil Aliquot Vol:
Dilution Factor: 42
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72030
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	21	U	21	3.1
74-87-3	Chloromethane	21	U	21	2.6
75-01-4	Vinyl chloride	21	U	21	2.8
74-83-9	Bromomethane	21	U	21	2.9
75-00-3	Chloroethane	10	J D	21	3.9
75-69-4	Trichlorofluoromethane	21	U	21	4.2
75-35-4	1,1-Dichloroethene	180	D	21	1.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21	U	21	1.6
67-64-1	Acetone	210	U	210	39
75-15-0	Carbon disulfide	21	U	21	2.1
79-20-9	Methyl acetate	21	U	21	5.9
75-09-2	Methylene chloride	21	U	21	2.9
156-60-5	trans-1,2-Dichloroethene	21	U	21	2.0
1634-04-4	Methyl tert-butyl ether	21	U	21	2.6
75-34-3	1,1-Dichloroethane	190	D	21	3.2
156-59-2	cis-1,2-Dichloroethene	690	D	21	2.2
78-93-3	2-Butanone	210	U	210	37
74-97-5	Bromochloromethane	21	U	21	3.1
67-66-3	Chloroform	21	U	21	3.4
71-55-6	1,1,1-Trichloroethane	270	D	21	3.3
110-82-7	Cyclohexane	21	U	21	2.8
56-23-5	Carbon tetrachloride	21	U	21	2.8
71-43-2	Benzene	21	U	21	2.7
107-06-2	1,2-Dichloroethane	21	U	21	3.7
79-01-6	Trichloroethene	200	D	21	3.4
108-87-2	Methylcyclohexane	21	U	21	3.2
78-87-5	1,2-Dichloropropane	21	U	21	2.9
75-27-4	Bromodichloromethane	21	U	21	2.6
10061-01-5	cis-1,3-Dichloropropene	21	U	21	2.5
108-10-1	4-Methyl-2-pentanone	210	U	210	34
108-88-3	Toluene	21	U	21	2.9
10061-02-6	trans-1,3-Dichloropropene	21	U	21	9.2
79-00-5	1,1,2-Trichloroethane	21	U	21	3.7
127-18-4	Tetrachloroethene	16	J D	21	3.3
591-78-6	2-Hexanone	210	U	210	40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-11S_050214 DL | Lab Sample ID: 200-22183-5 DL

Matrix: Water | Lab File ID: d11d13.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 08:36

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 18:09

Soil Aliquot Vol: | Dilution Factor: 42

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	21	U	21	2.8
106-93-4	1,2-Dibromoethane	21	U	21	2.4
108-90-7	Chlorobenzene	21	U	21	2.6
100-41-4	Ethylbenzene	21	U	21	2.5
95-47-6	o-Xylene	21	U	21	2.7
179601-23-1	m,p-Xylene	21	U	21	2.9
100-42-5	Styrene	21	U	21	2.6
75-25-2	Bromoform	21	U	21	3.5
98-82-8	Isopropylbenzene	21	U	21	2.4
79-34-5	1,1,2,2-Tetrachloroethane	21	U	21	3.8
541-73-1	1,3-Dichlorobenzene	21	U	21	2.7
106-46-7	1,4-Dichlorobenzene	21	U	21	2.5
95-50-1	1,2-Dichlorobenzene	21	U	21	3.0
96-12-8	1,2-Dibromo-3-chloropropane	21	U	21	6.7
120-82-1	1,2,4-Trichlorobenzene	21	U	21	2.8
87-61-6	1,2,3-Trichlorobenzene	21	U	21	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	117	D	65-131
19199-91-8	Chloroethane-d5	124	D	71-131
22280-73-5	1,1-Dichloroethene-d2	117	D X	55-104
24313-50-6	2-Butanone-d5	114	D	49-155
865-49-6	Chloroform-d	113	D	78-121
17060-07-0	1,2-Dichloroethane-d4	131	D X	78-129
1076-43-3	Benzene-d6	108	D	77-124
93952-08-0	1,2-Dichloropropane-d6	93	D	79-124
2037-26-5	Toluene-d8	105	D	77-121
93951-86-1	trans-1,3-Dichloropropene-d4	103	D	73-121
4840-82-8	2-Hexanone-d5	107	D	28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	100	D	73-125
2199-69-1	1,2-Dichlorobenzene-d4	99	D	80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-11S_050214 DL | Lab Sample ID: 200-22183-5 DL

Matrix: Water | Lab File ID: dlld13.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 08:36

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 18:09

Soil Aliquot Vol: | Dilution Factor: 42

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

Number TICs Found: 2 | TIC Result Total: 158

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	130	B D J
	Unknown	11.17	28	D J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-11S_050214 DL Lab Sample ID: 200-22183-5 DL

Matrix: Water Lab File ID: dlld13.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 08:36

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 18:09

Soil Aliquot Vol: Dilution Factor: 42

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-5
Client Smp ID: MW-11S_050214DL
Inj Date : 12-MAY-2014 18:09
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-5
Misc Info : 42,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:32 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 13
Dil Factor: 42.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	42.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	97785	146.766	5.9(a)
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.131	2.131	(0.349)	78143	154.934	6.2(a)
	7 Chloroethane	64	2.155	2.155	(0.353)	2843	6.21243	10(aQ)
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	200085	146.222	5.8(aR)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	67803	106.622	180(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	134690	111.579	190
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	107650	1424.56	57(a)
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	264676	409.078	690
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	163053	141.337	5.7(a)
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	190986	158.213	270
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	66711	163.496	6.5(aR)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	368265	134.814	5.4(a)
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	289232	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	90128	121.977	200
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	88958	116.329	4.7(a)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	355620	131.480	5.3(a)
	41 Toluene	91	7.861	7.861	(0.830)	2058	0.67127	1.1(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	72256	129.275	5.2(a)
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	6876	9.27224	16(a)
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	84947	1338.14	54(aQ)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	233791	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.050	11.050	(1.166)	32807	124.603	5.0(a)
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	113733	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	100708	123.694	4.9(a)
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
    Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-5
Client Smp ID: MW-11S_050214DL
Inj Date : 12-MAY-2014 18:09
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-5
Misc Info : 42,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:32 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 13
Dil Factor: 42.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	42.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

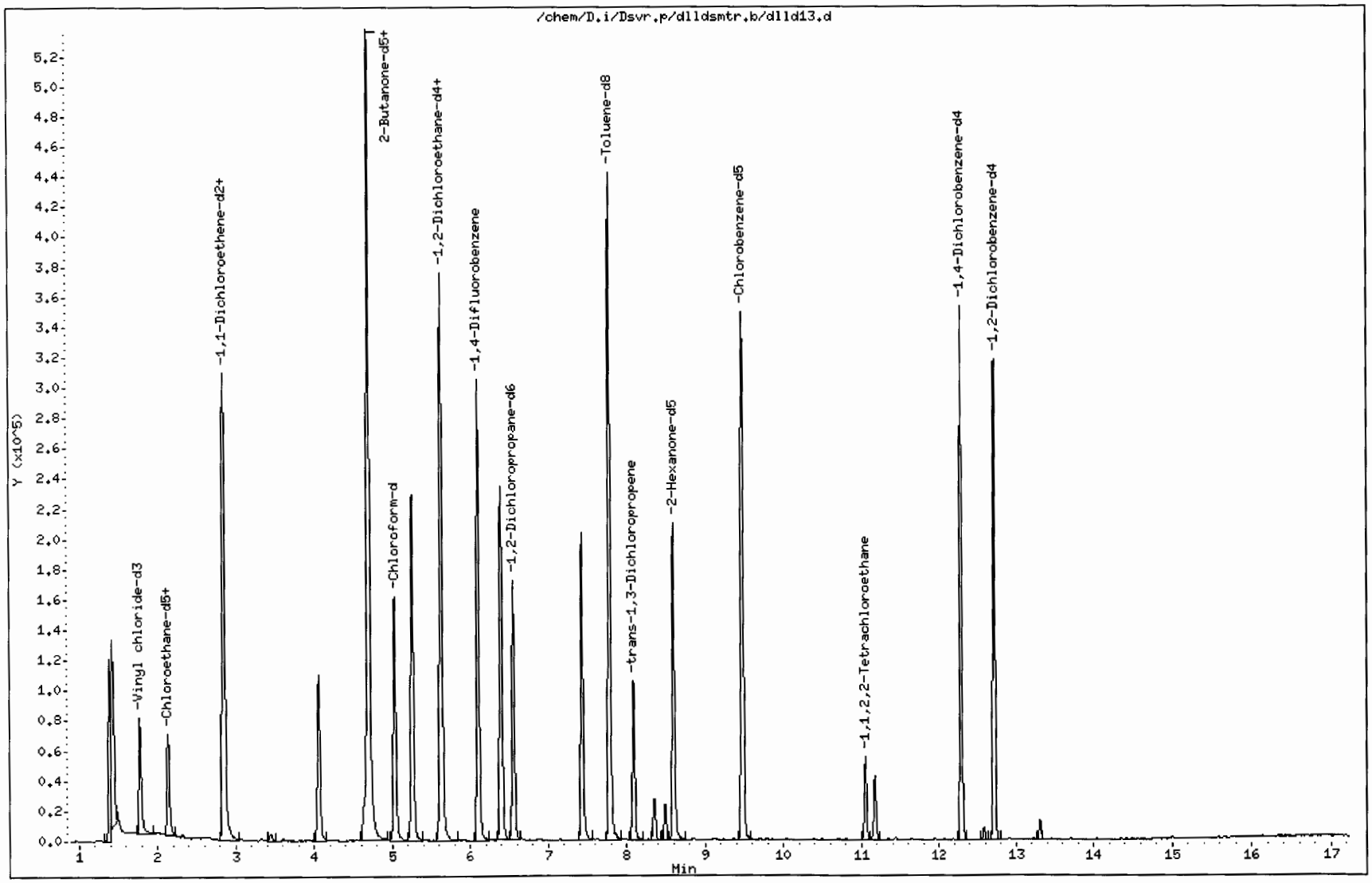
ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	672495	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	673060	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	431799	80.2606101	130	0		0	32
Unknown				CAS #:			
11.171	90347	16.7790671	28	0		0	61

Data File: /chem/D.i/Dsvr.p/dlldsmtr.b/dlld13.d
Date : 12-MAY-2014 18:09
Client ID: MW-11S_050214DL
Sample Info: 200-22183-C-5
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



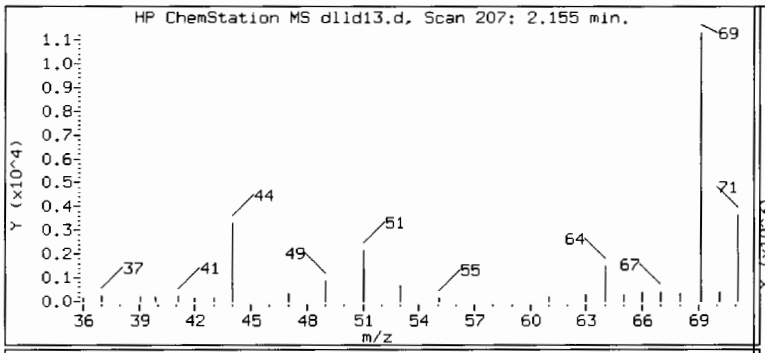
Data File: dlld13.d

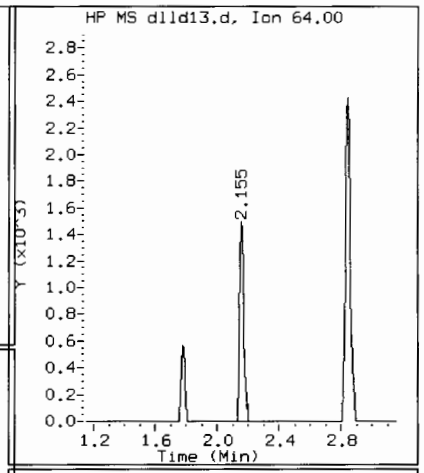
Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

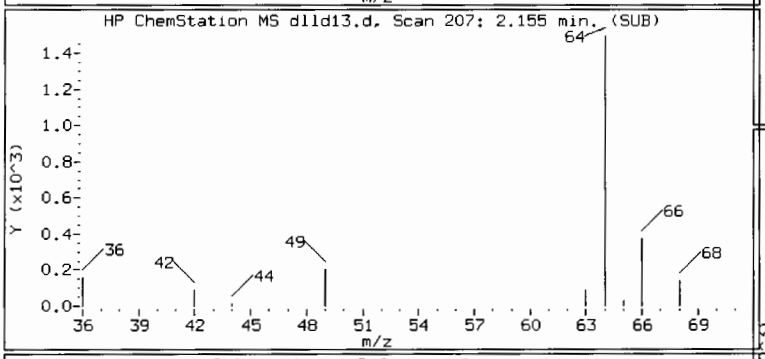
Client ID: MW-11S_050214DL Instrument: D.i

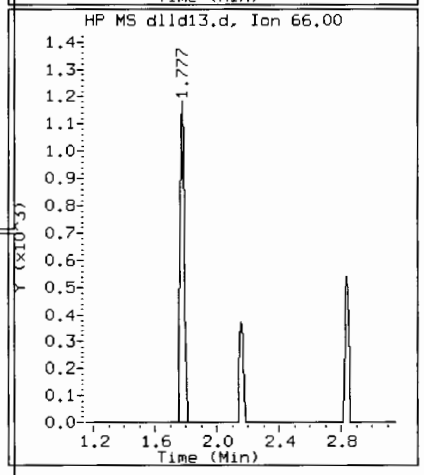
Sample Info: 200-22183-C-5 Operator: JSW

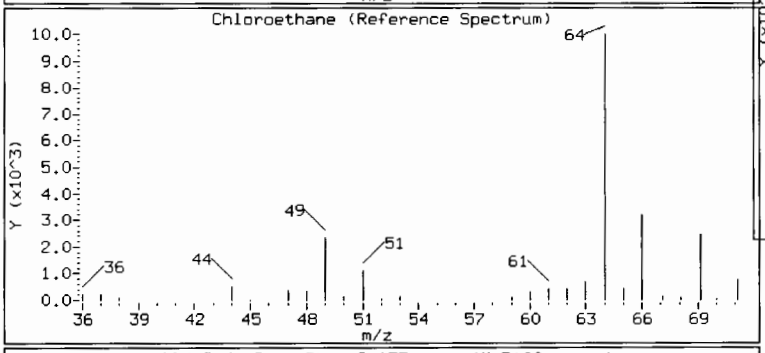
7 Chloroethane

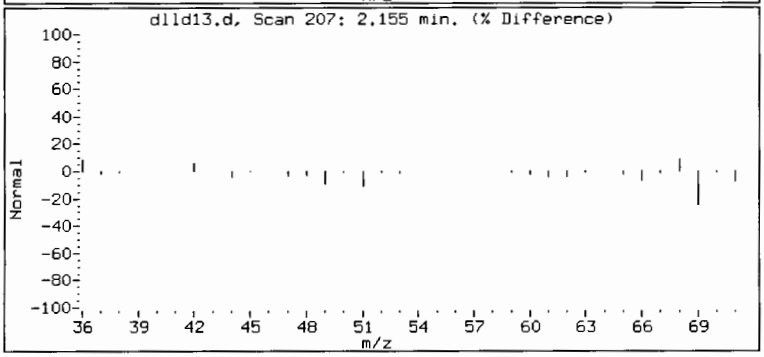












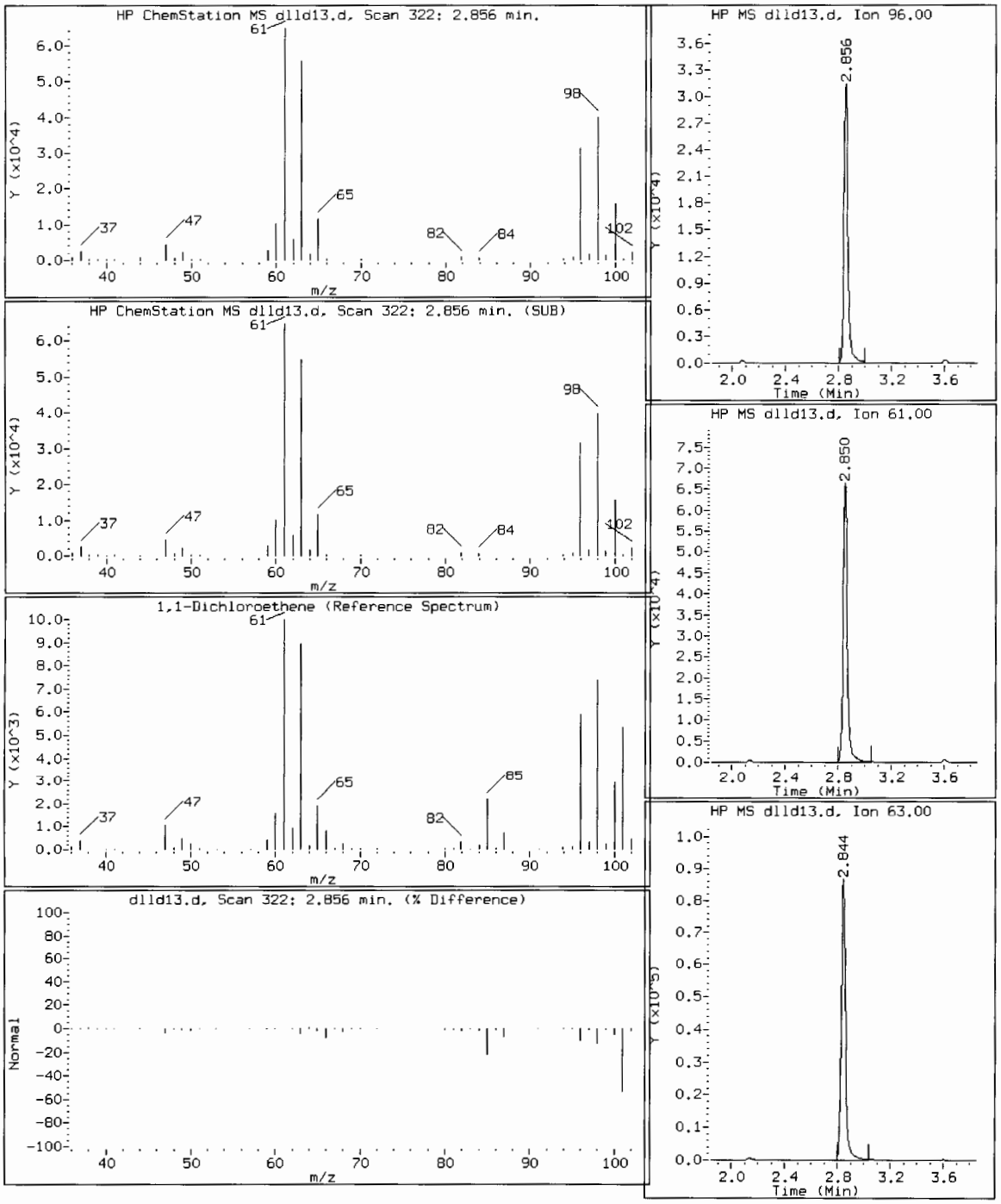
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

10 1,1-Dichloroethene



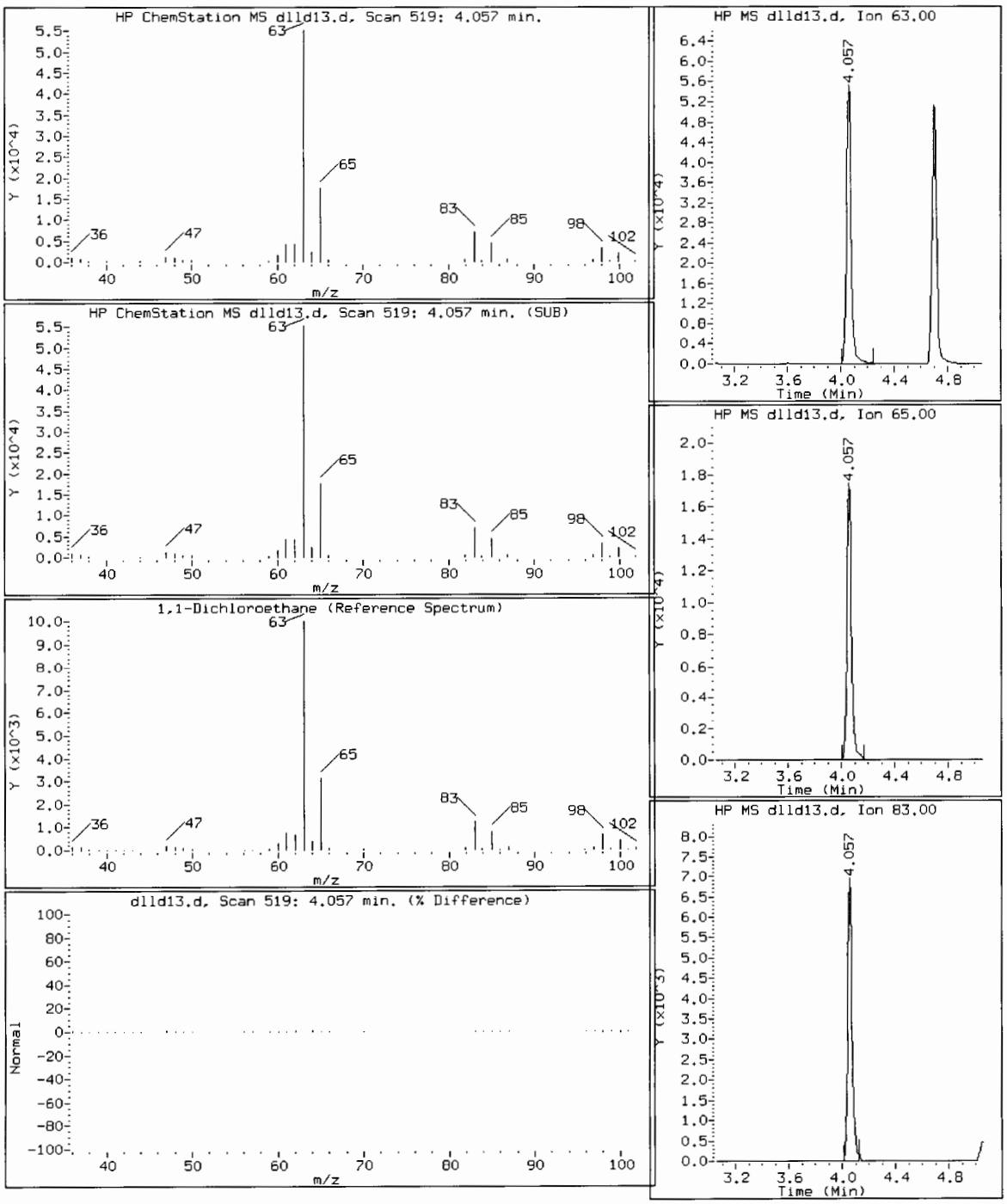
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

18 1,1-Dichloroethane



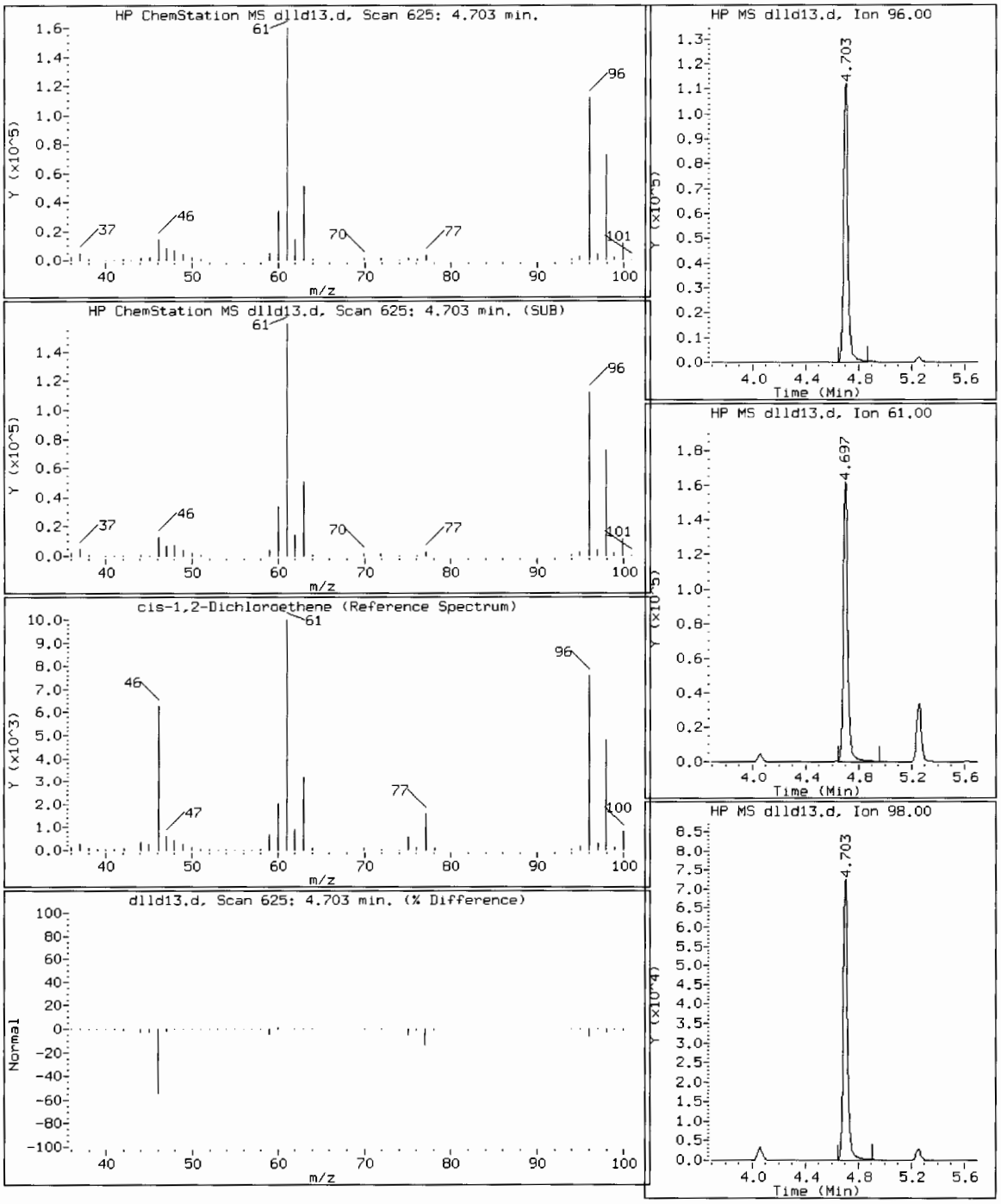
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

20 cis-1,2-Dichloroethene



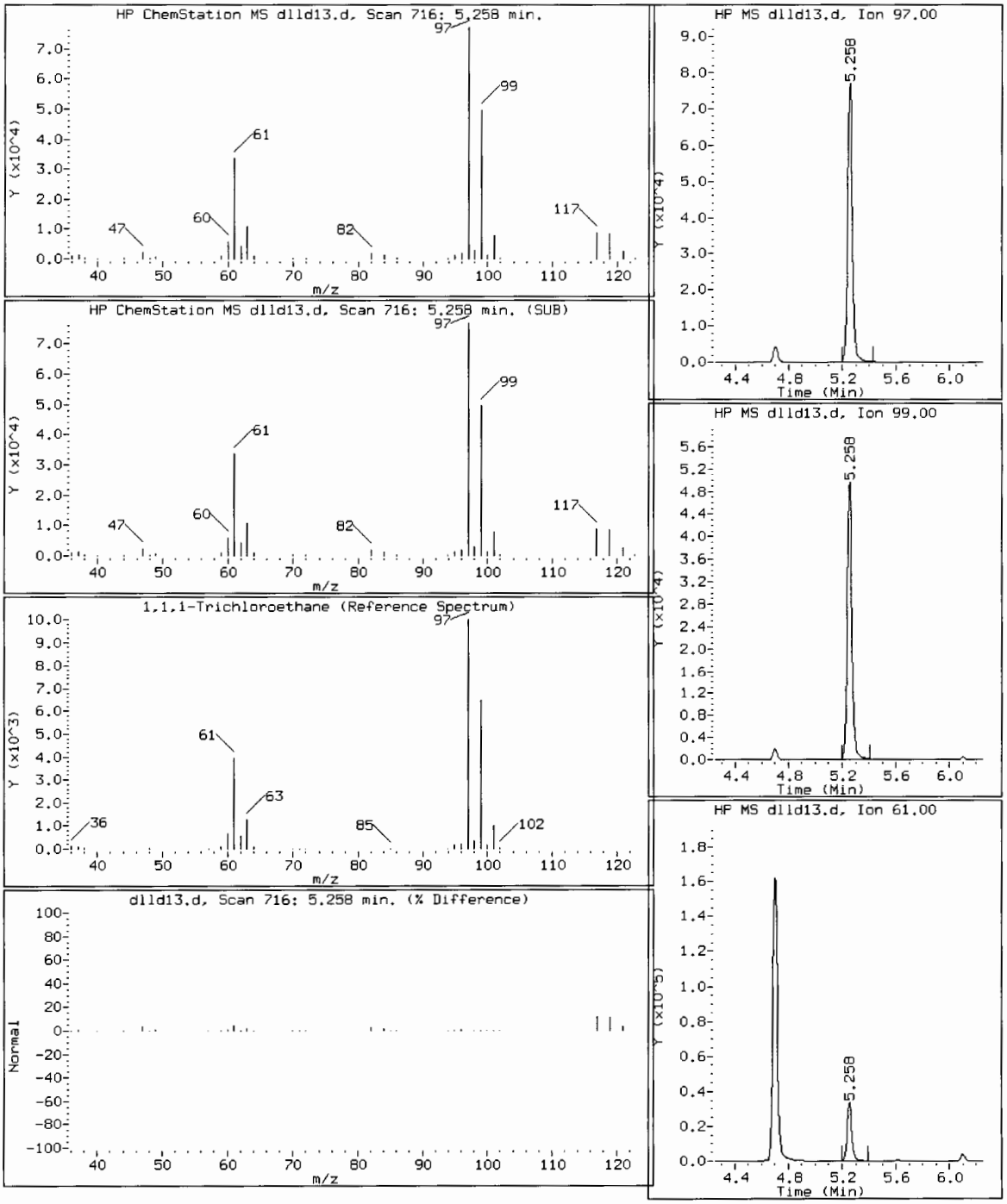
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

25 1,1,1-Trichloroethane



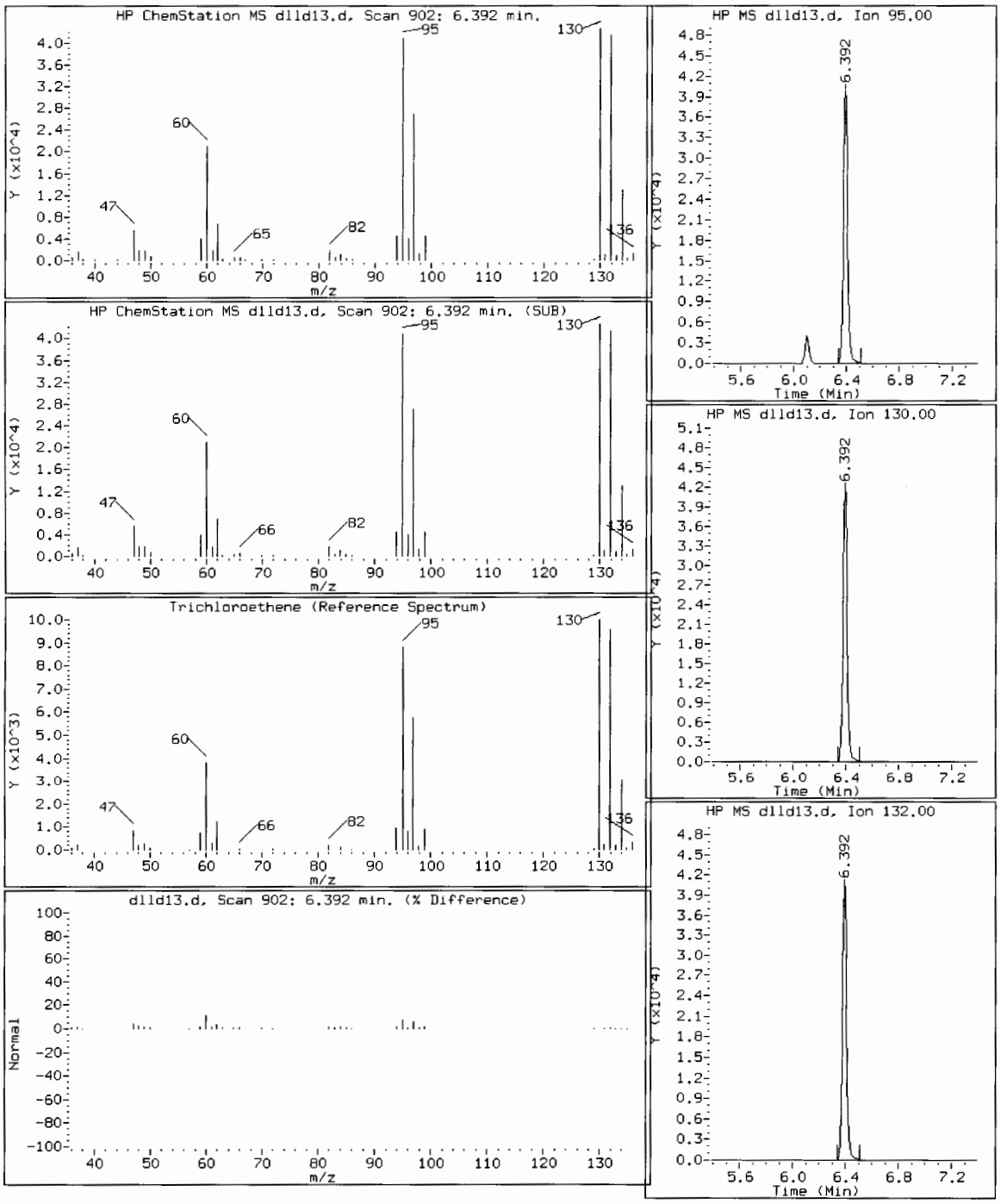
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

33 Trichloroethene



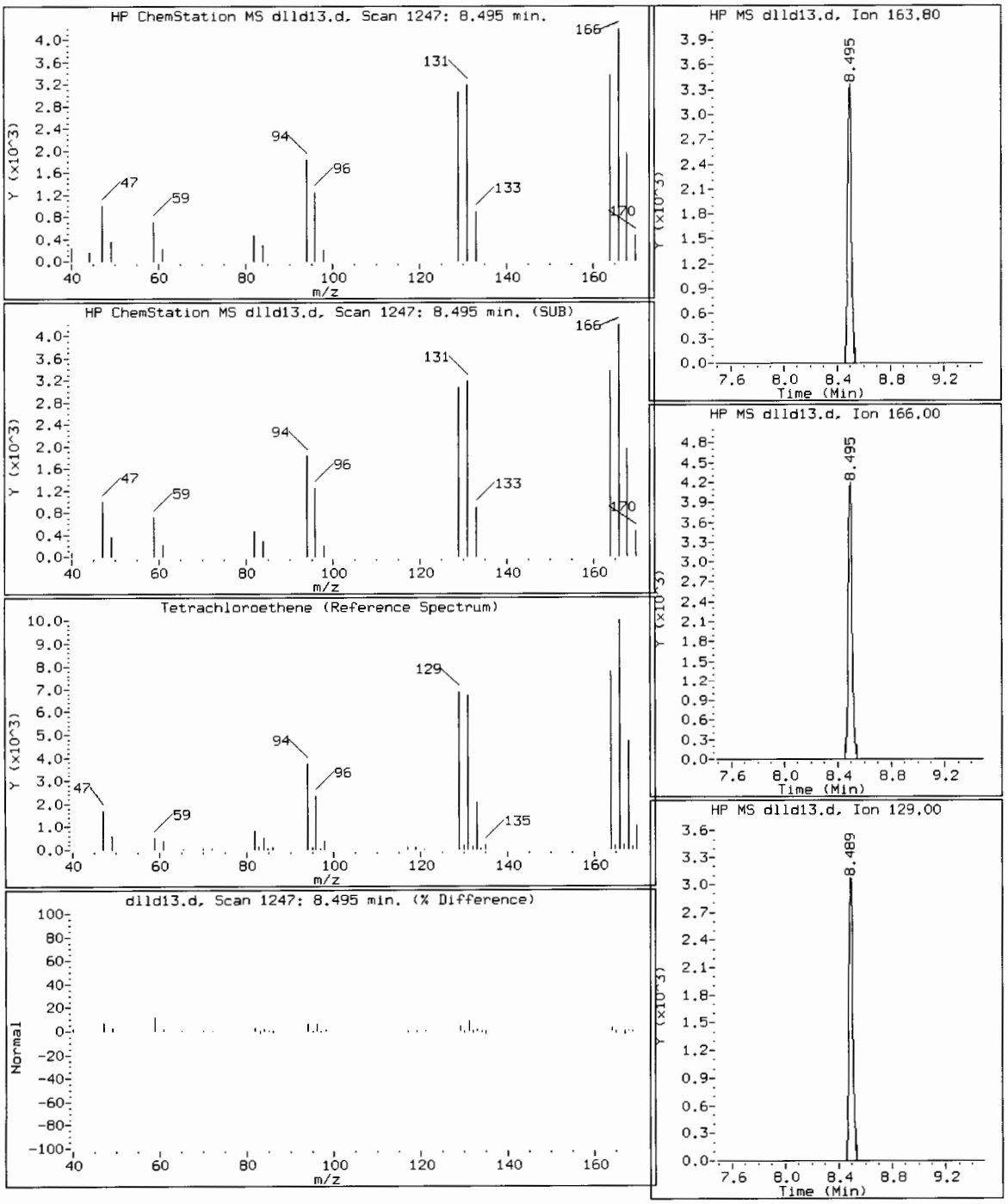
Data File: dlld13.d

Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

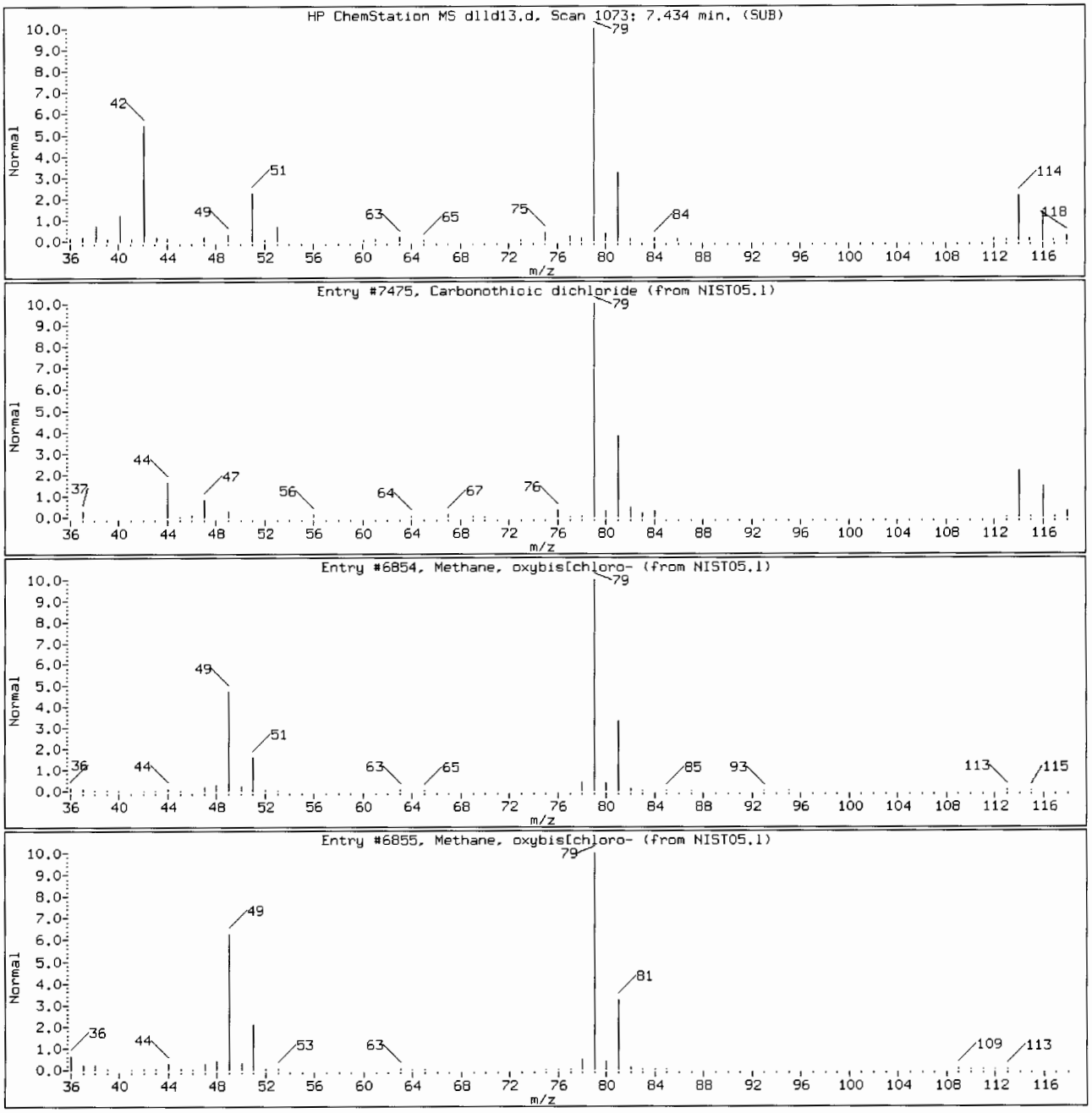
45 Tetrachloroethene



Data File: d11d13.d
Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09
Client ID: MW-11S_050214DL Instrument: D.i
Sample Info: 200-22183-C-5 Operator: JSW

Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114



Data File: d11d13.d

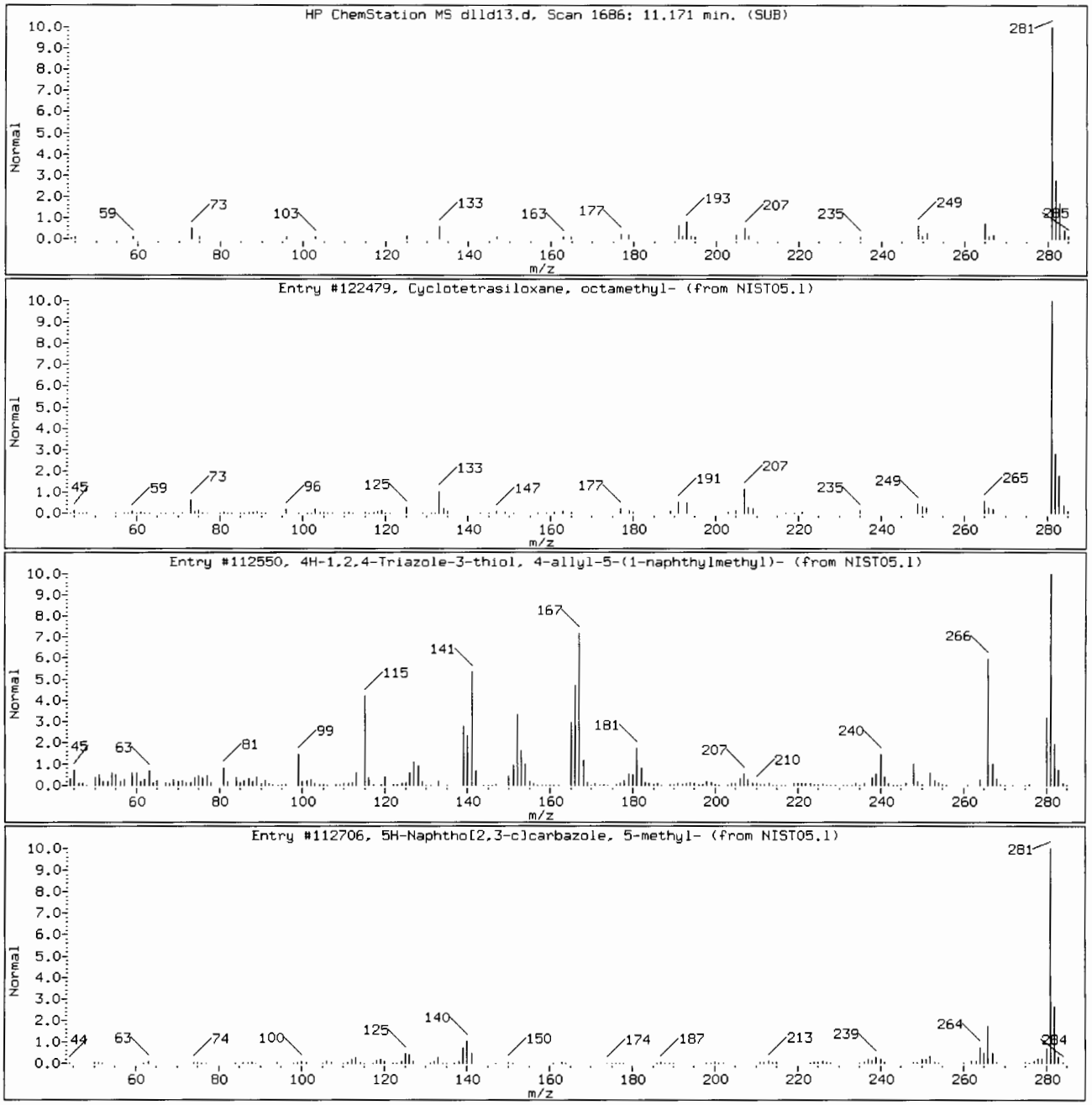
Lab Sample ID: 200-22183-5 Date: 12-MAY-2014 18:09

Client ID: MW-11S_050214DL Instrument: D.i

Sample Info: 200-22183-C-5 Operator: JSW

Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C8H24O4Si4	296
4H-1,2,4-Triazole-3-thiol, 4-allyl	31803-13-1	NIST05.1	112550	64	C16H15N3S	281
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	64	C21H15N	281



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 | Lab Sample ID: 200-22183-6

Matrix: Water | Lab File ID: d11e14.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) | Date Analyzed: 05/13/2014 15:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72092 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	0.074
74-87-3	Chloromethane	0.50	U	0.50	0.062
75-01-4	Vinyl chloride	0.50	U	0.50	0.067
74-83-9	Bromomethane	0.50	U	0.50	0.069
75-00-3	Chloroethane	0.50	U	0.50	0.093
75-69-4	Trichlorofluoromethane	0.50	U	0.50	0.099
75-35-4	1,1-Dichloroethene	0.92		0.50	0.037
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U	0.50	0.038
67-64-1	Acetone	5.0	U	5.0	0.92
75-15-0	Carbon disulfide	0.50	U	0.50	0.050
79-20-9	Methyl acetate	0.50	U	0.50	0.14
75-09-2	Methylene chloride	0.50	U	0.50	0.070
156-60-5	trans-1,2-Dichloroethene	1.4		0.50	0.047
1634-04-4	Methyl tert-butyl ether	0.50	U	0.50	0.062
75-34-3	1,1-Dichloroethane	0.50	U	0.50	0.075
156-59-2	*cis-1,2-Dichloroethene*	*69*	*E*	*0.50*	*0.053*
78-93-3	2-Butanone	5.0	U	5.0	0.89
74-97-5	Bromochloromethane	0.50	U	0.50	0.073
67-66-3	Chloroform	0.50	U	0.50	0.081
71-55-6	1,1,1-Trichloroethane	0.50	U	0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.50	U	0.50	0.066
71-43-2	Benzene	0.50	U	0.50	0.064
107-06-2	1,2-Dichloroethane	0.50	U	0.50	0.089
79-01-6	*Trichloroethene*	*31*	*E*	*0.50*	*0.080*
108-87-2	Methylcyclohexane	0.50	U	0.50	0.077
78-87-5	1,2-Dichloropropane	0.50	U	0.50	0.070
75-27-4	Bromodichloromethane	0.50	U	0.50	0.061
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	0.060
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	0.82
108-88-3	Toluene	1.4		0.50	0.068
10061-02-6	trans-1,3-Dichloropropene	0.50	U	0.50	0.22
79-00-5	1,1,2-Trichloroethane	0.50	U	0.50	0.087
127-18-4	Tetrachloroethene	5.0		0.50	0.078
591-78-6	2-Hexanone	5.0	U	5.0	0.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 | Lab Sample ID: 200-22183-6

Matrix: Water | Lab File ID: d11e14.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) | Date Analyzed: 05/13/2014 15:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72092 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.50	U	0.50	0.067
106-93-4	1,2-Dibromoethane	0.50	U	0.50	0.058
108-90-7	Chlorobenzene	0.50	U	0.50	0.063
100-41-4	Ethylbenzene	0.50	U	0.50	0.059
95-47-6	o-Xylene	0.50	U	0.50	0.065
179601-23-1	m,p-Xylene	0.50	U	0.50	0.068
100-42-5	Styrene	0.50	U	0.50	0.061
75-25-2	Bromoform	0.50	U	0.50	0.083
98-82-8	Isopropylbenzene	0.50	U	0.50	0.058
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.50	0.091
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	0.064
106-46-7	1,4-Dichlorobenzene	0.50	U	0.50	0.059
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	0.072
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U	0.50	0.16
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.50	0.066
87-61-6	1,2,3-Trichlorobenzene	0.50	U	0.50	0.091

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	115		65-131
19199-91-8	Chloroethane-d5	126		71-131
22280-73-5	1,1-Dichloroethene-d2	97		55-104
24313-50-6	2-Butanone-d5	115		49-155
865-49-6	Chloroform-d	114		78-121
17060-07-0	1,2-Dichloroethane-d4	139	X	78-129
1076-43-3	Benzene-d6	105		77-124
93952-08-0	1,2-Dichloropropane-d6	90		79-124
2037-26-5	Toluene-d8	103		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	95		73-121
4840-82-8	2-Hexanone-d5	105		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	99		73-125
2199-69-1	1,2-Dichlorobenzene-d4	97		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-12D_050214
Lab Sample ID: 200-22183-6
Matrix: Water
Lab File ID: dlle14.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 09:47
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 15:24
Soil Aliquot Vol:
Dilution Factor: 1
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L
Number TICs Found: 4
TIC Result Total: 5.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	0.64	J
	Unknown	7.43	3.0	B J
	Unknown	8.35	0.66	J
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	1.0	J N

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 Lab Sample ID: 200-22183-6

Matrix: Water Lab File ID: dlle14.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 15:24

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-6
Client Smp ID: MW-12D_050214
Inj Date : 13-MAY-2014 15:24
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-B-6
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
$ 3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	72789	144.128	5.8
4 Vinyl chloride	62	Compound Not Detected.					
5 Bromomethane	94	Compound Not Detected.					
$ 6 Chloroethane-d5	69	2.137	2.131	(0.350)	60252	157.600	6.3
7 Chloroethane	64	Compound Not Detected.					
8 Trichlorofluoromethane	101	Compound Not Detected.					
$ 9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	125640	121.131	4.8(Q)
10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	11098	23.0234	0.92(Q)
11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
12 Acetone	43	Compound Not Detected.					
13 Carbon disulfide	76	Compound Not Detected.					
14 Methyl acetate	43	Compound Not Detected.					
15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	17135	34.3667	1.4(Q)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	82411	1438.74	58
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	845291	1723.56	69(A)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	124633	142.524	5.7
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	1643	1.77965	0.071(aQ)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	53662	173.502	6.9(R)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	273387	130.861	5.2
	30 Benzene	78	5.673	5.673	(0.599)	1434	0.66667	0.027(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	219239	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	440008	778.637	31(A)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	65858	112.608	4.5(Q)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	266475	128.821	5.2
	41 Toluene	91	7.861	7.861	(0.830)	84751	36.1453	1.4
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	50576	118.316	4.7
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	70194	123.767	5.0
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	63765	1313.39	53(Q)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	178801	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.056	11.050	(1.167)	25008	124.194	5.0
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	87714	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	75889	120.860	4.8
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-6
Client Smp ID: MW-12D_050214
Inj Date : 13-MAY-2014 15:24
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-B-6
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	520896	125.000
* 50 Chlorobenzene-d5	9.477	563791	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	527232	125.000

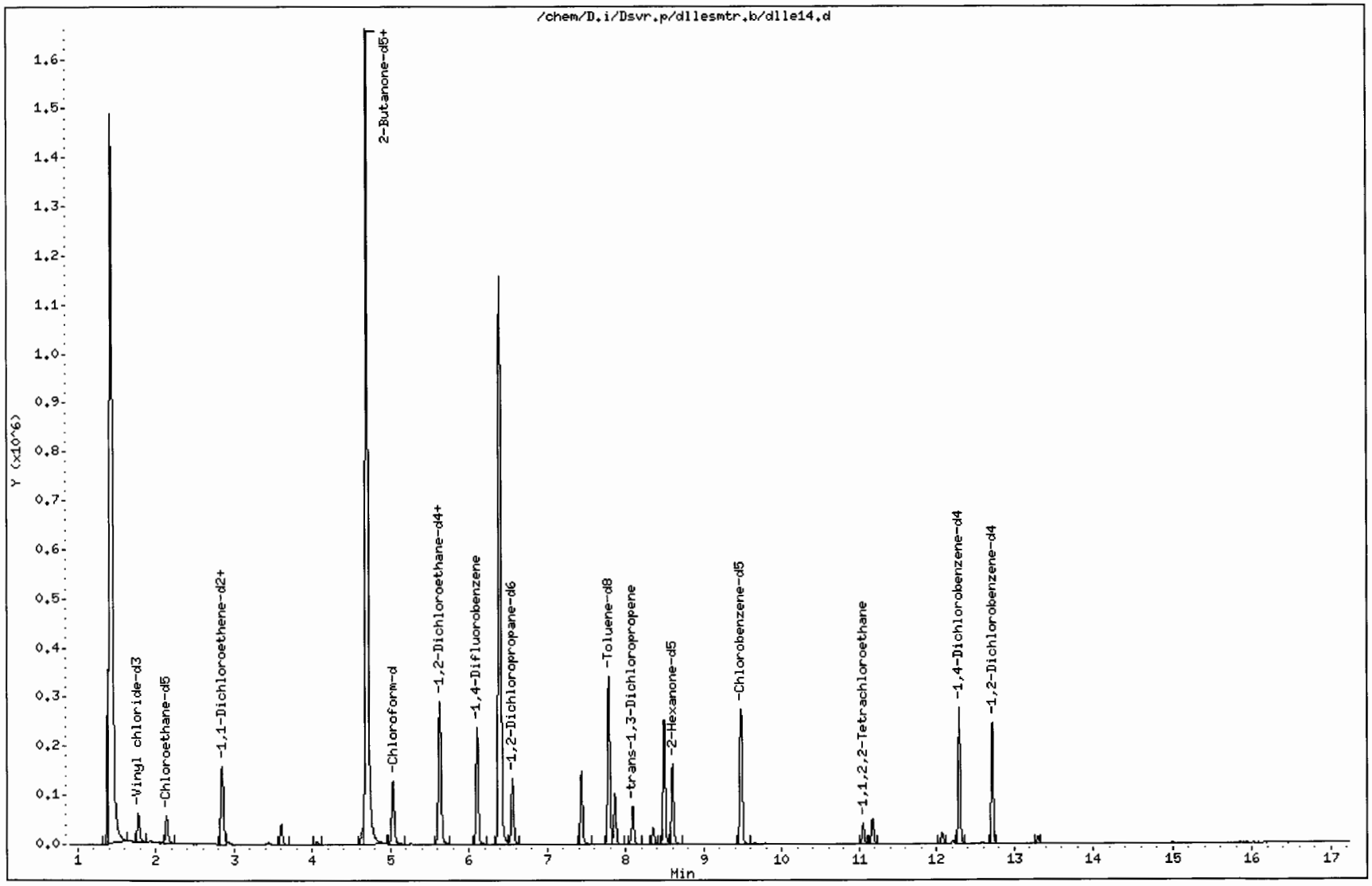
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.642	66275	15.9039502	0.64	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	312686	75.0353804	3.0	0		0	32
Unknown				CAS #:			
8.349	74857	16.5967334	0.66	0		0	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	106449	25.2375716	1.0	91	NIST05.1	122481	61

Data File: /chem/D.i/Dsvr.p/dllesmtr.b/dlle14.d
Date : 13-MAY-2014 15:24
Client ID: MW-12D_050214
Sample Info: 200-22183-B-6
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



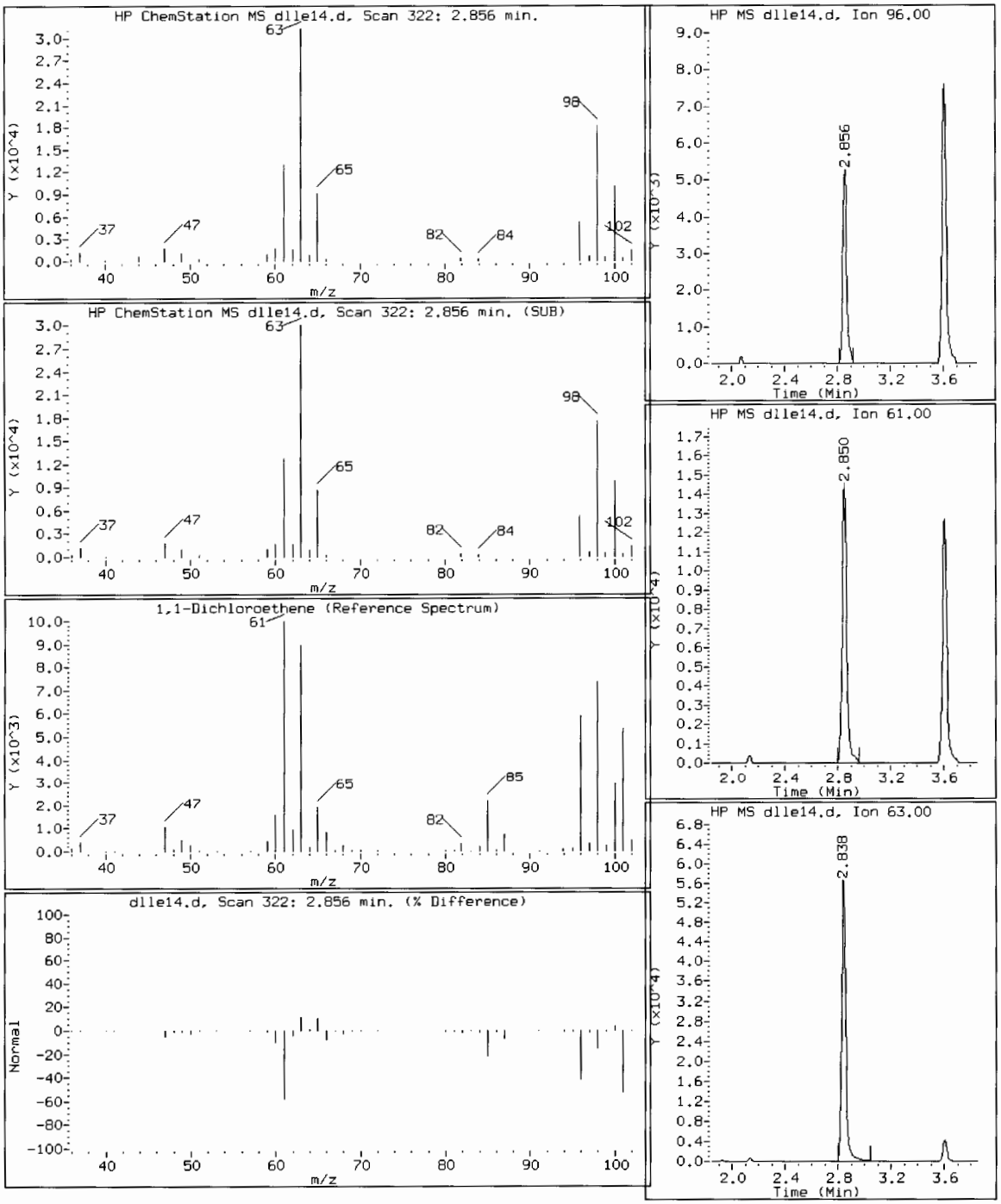
Data File: dlle14.d

Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

Client ID: MW-12D_050214 Instrument: D.i

Sample Info: 200-22183-B-6 Operator: JSW

10 1,1-Dichloroethene



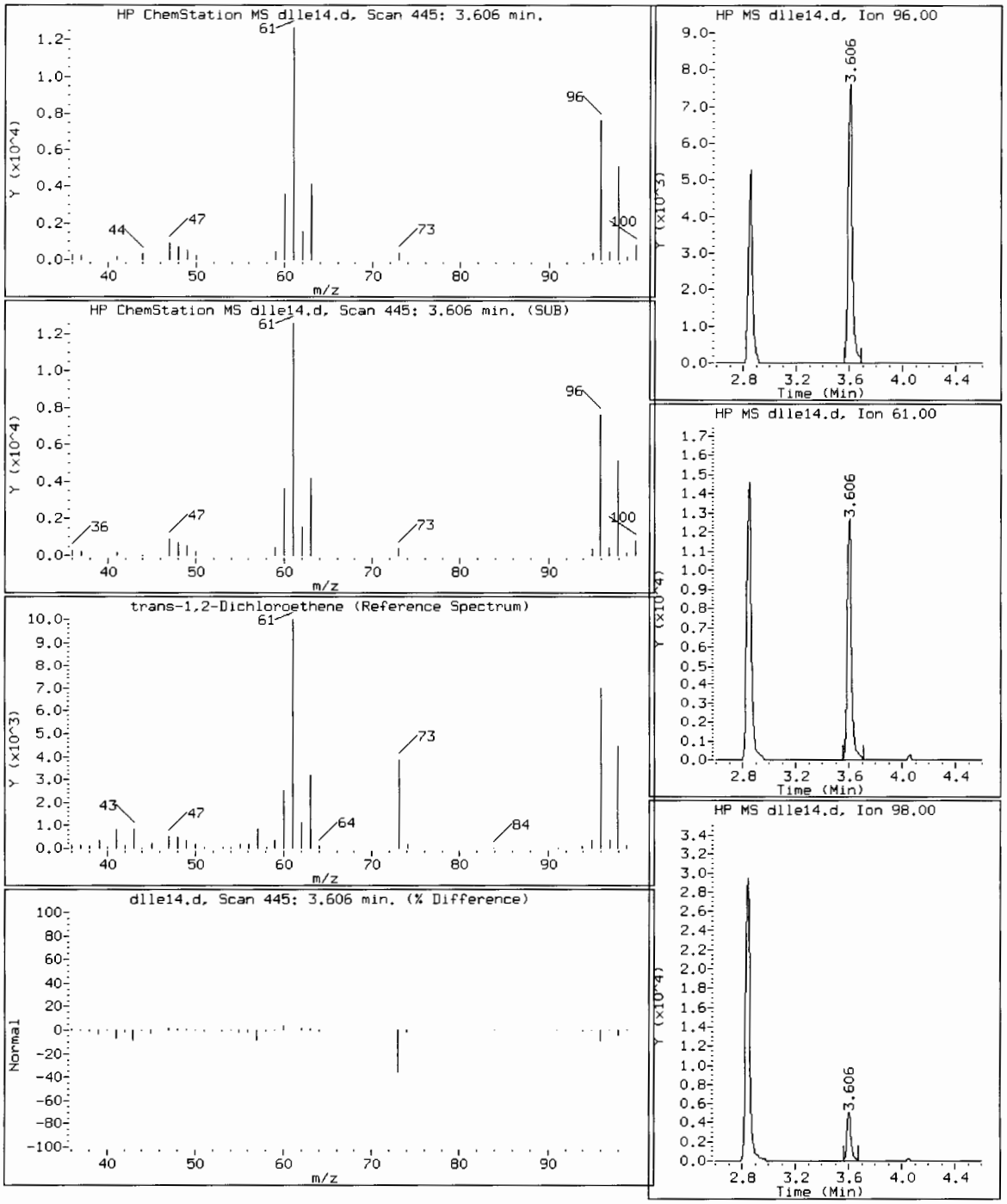
Data File: dlle14.d

Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

Client ID: MW-12D_050214 Instrument: D.i

Sample Info: 200-22183-B-6 Operator: JSW

16 trans-1,2-Dichloroethene



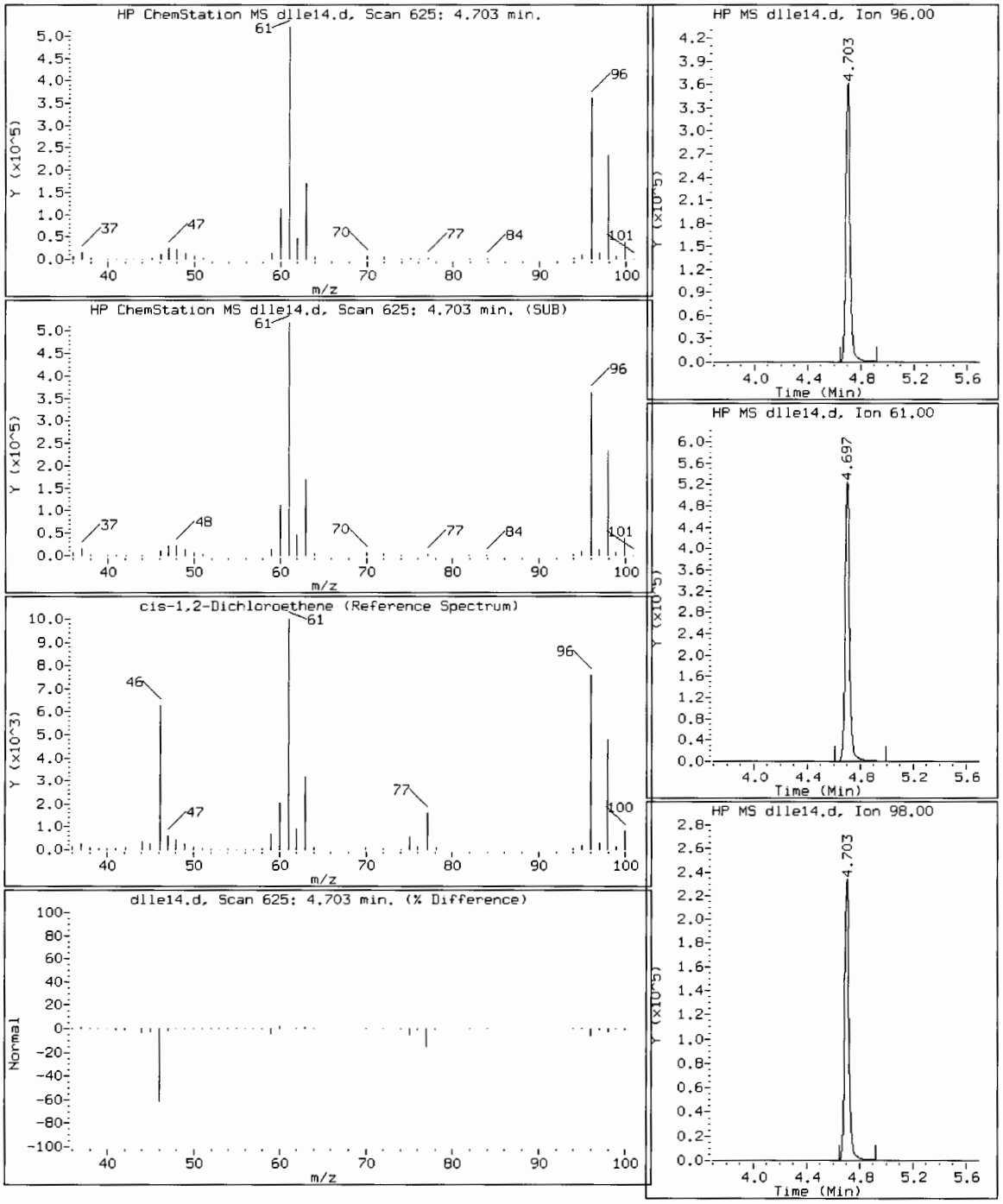
Data File: dlle14.d

Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

Client ID: MW-12D_050214 Instrument: D.i

Sample Info: 200-22183-B-6 Operator: JSW

20 cis-1,2-Dichloroethene



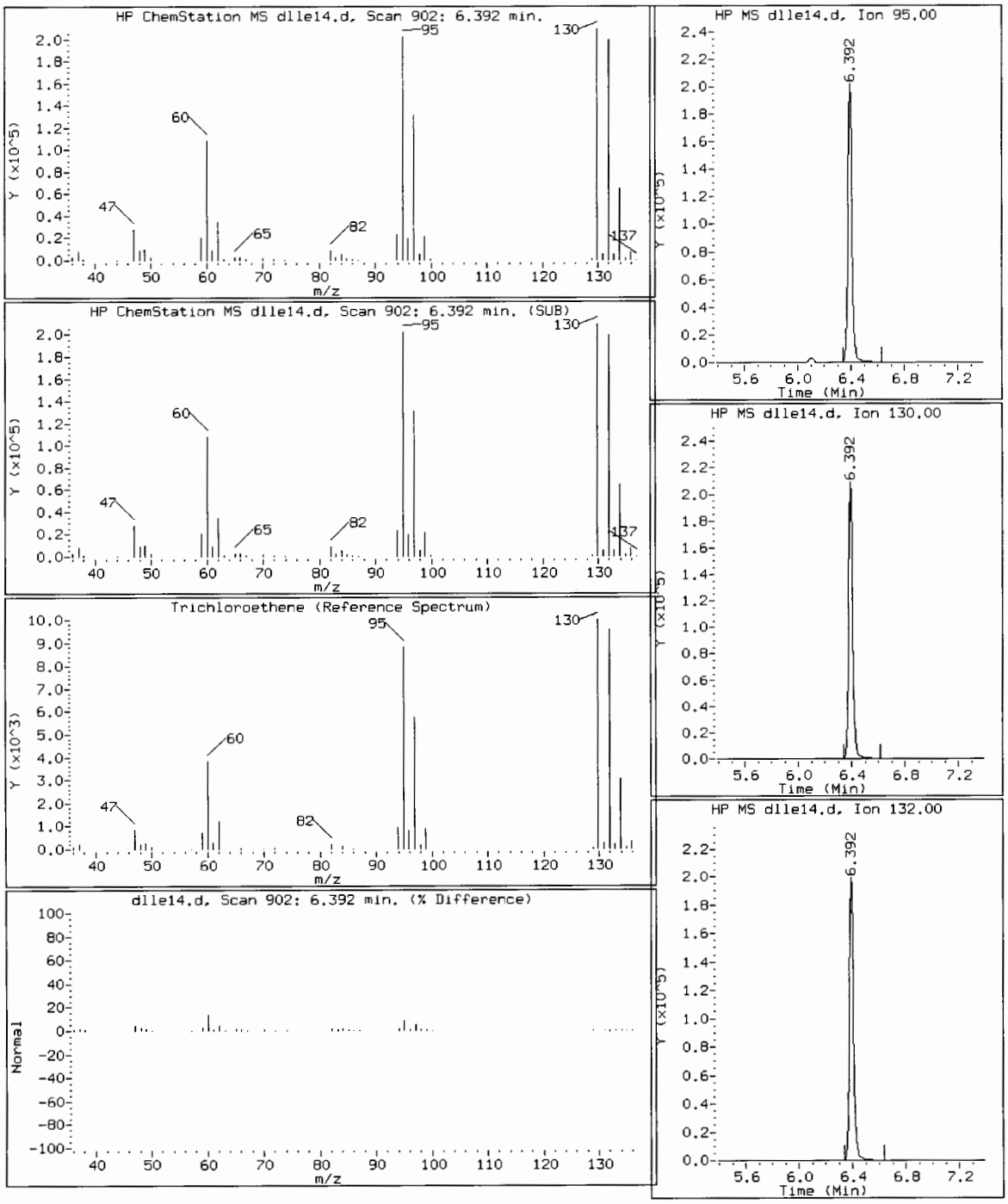
Data File: dlle14.d

Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

Client ID: MW-12D_050214 Instrument: D.i

Sample Info: 200-22183-B-6 Operator: JSW

33 Trichloroethene



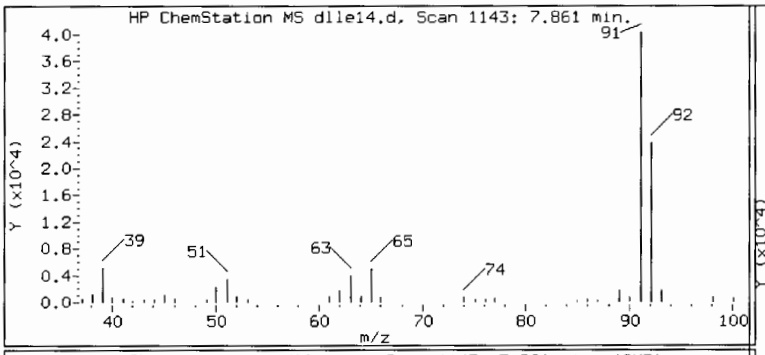
Data File: dlle14.d

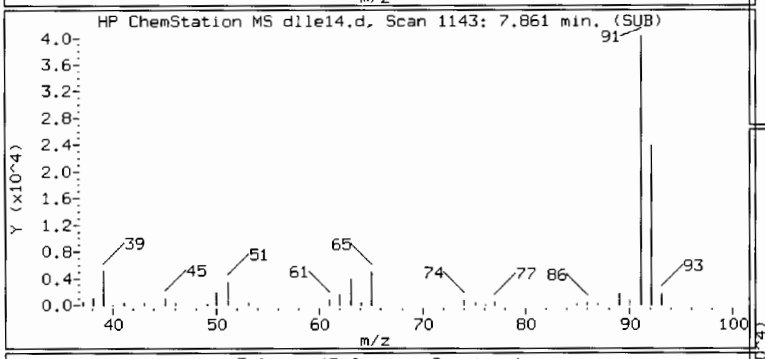
Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

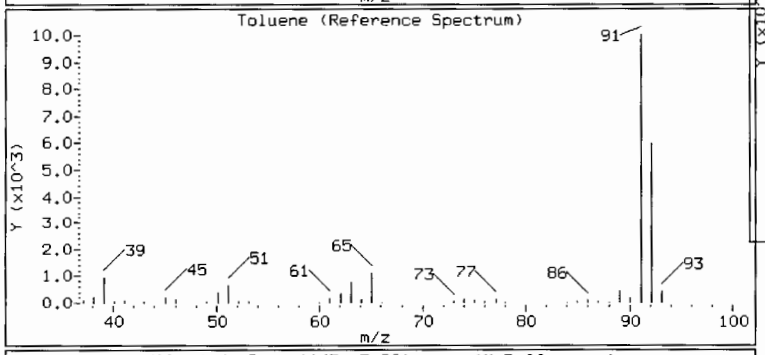
Client ID: MW-12D_050214 Instrument: D.i

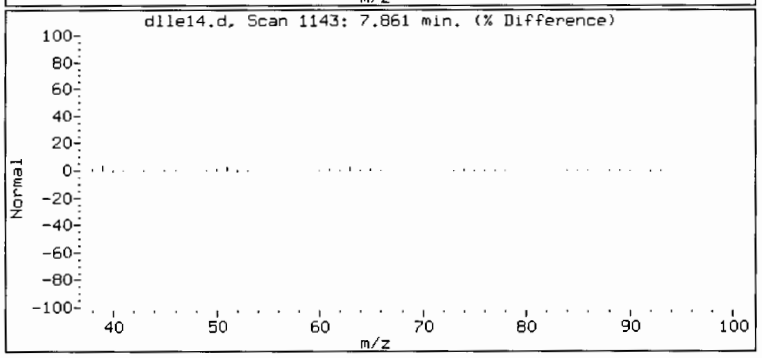
Sample Info: 200-22183-B-6 Operator: JSW

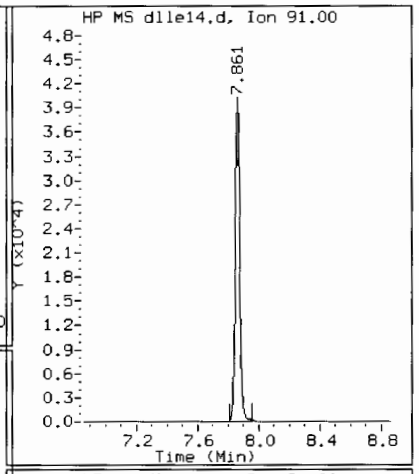
41 Toluene

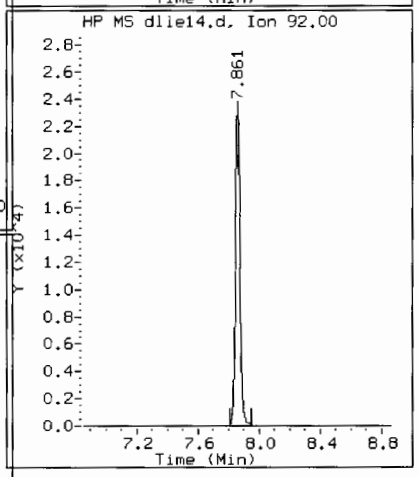












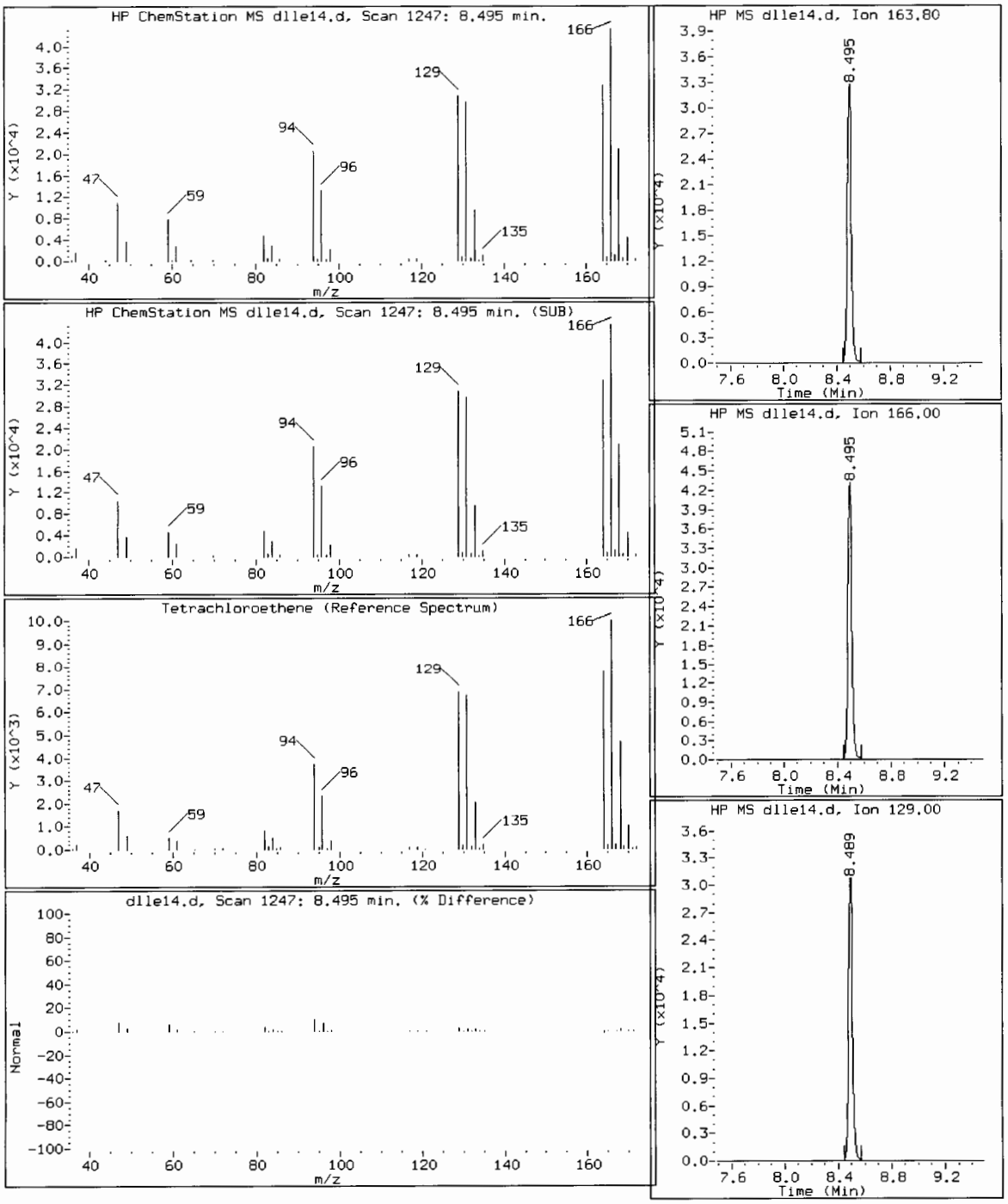
Data File: dlle14.d

Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

Client ID: MW-12D_050214 Instrument: D.i

Sample Info: 200-22183-B-6 Operator: JSW

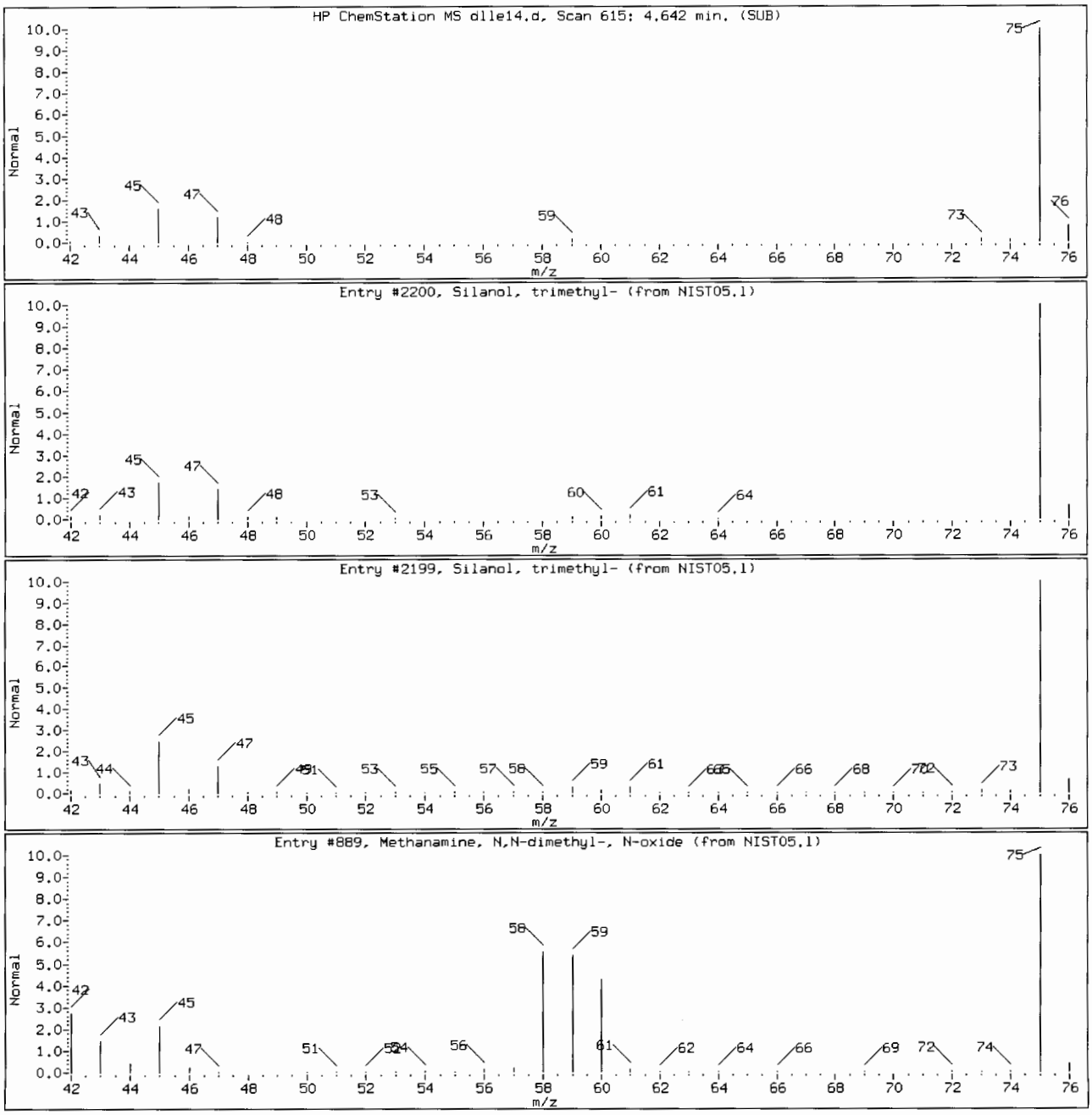
45 Tetrachloroethene



Data File: dlle14.d
Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24
Client ID: MW-12D_050214 Instrument: D.i
Sample Info: 200-22183-B-6 Operator: JSW

Retention Time: 4.64

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2200	9	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2199	9	C3H10OSi	90
Methanamine, N,N-dimethyl-, N-oxid	1184-78-7	NIST05.1	889	4	C3H9NO	75



Data File: d11e14.d

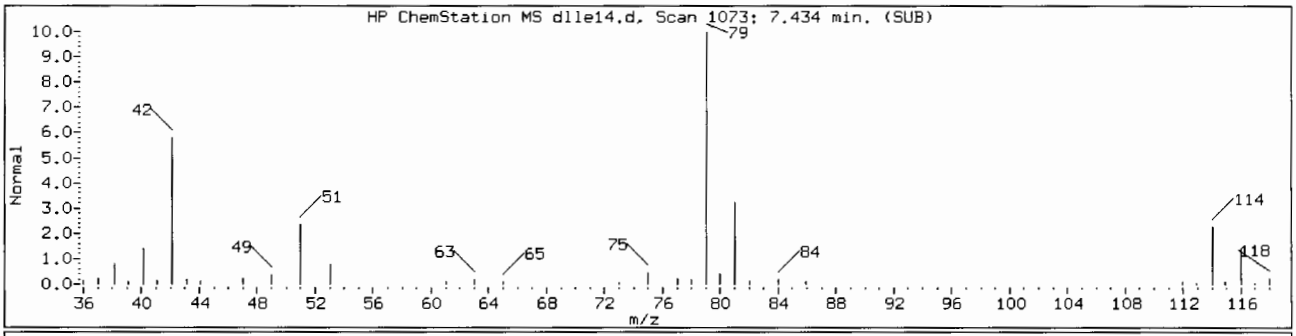
Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24

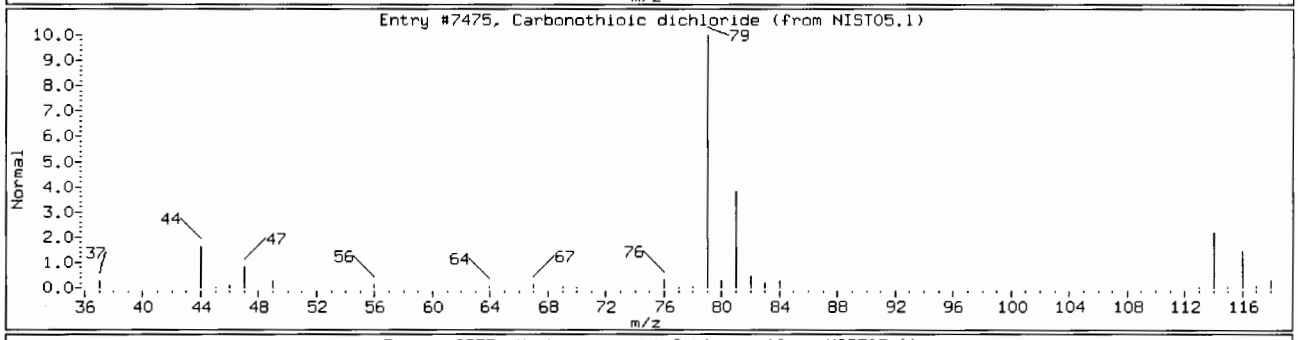
Client ID: MW-12D_050214 Instrument: D.i

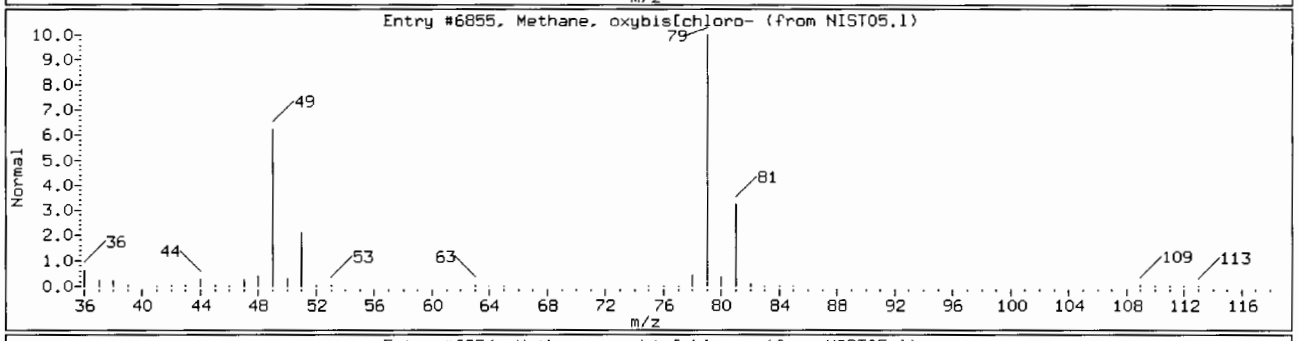
Sample Info: 200-22183-B-6 Operator: JSW

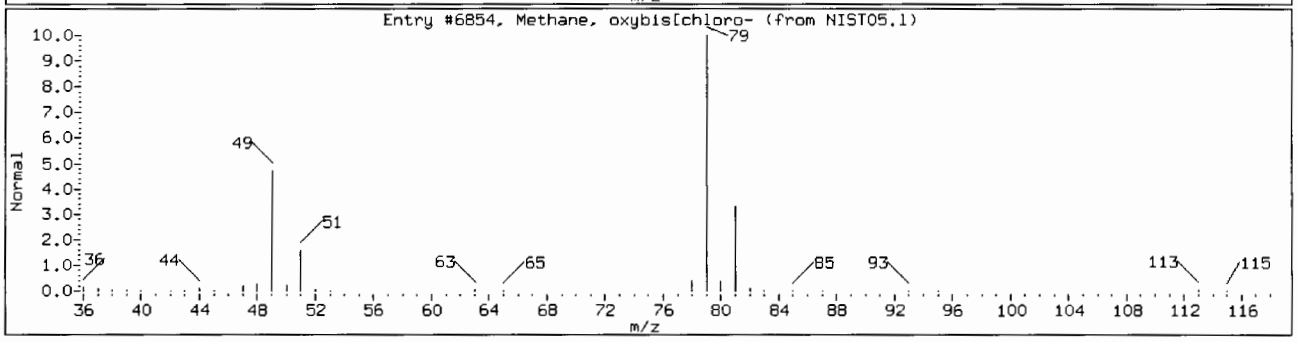
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114





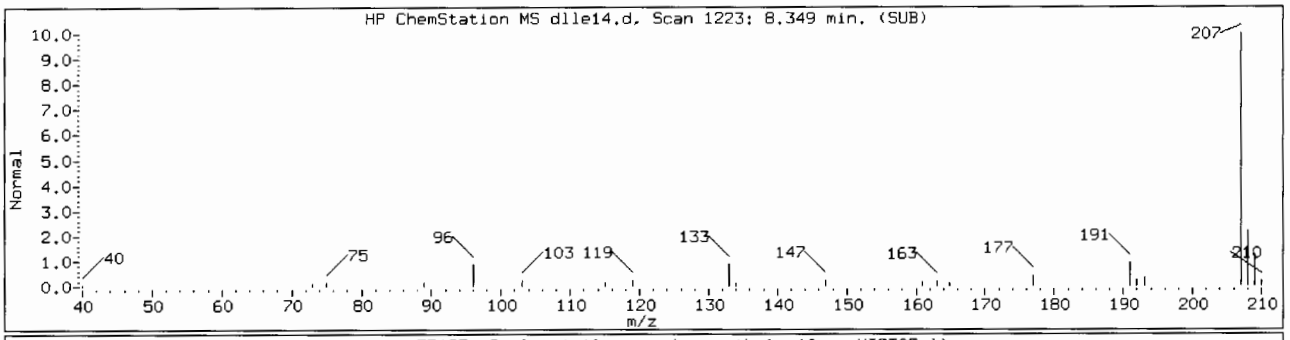


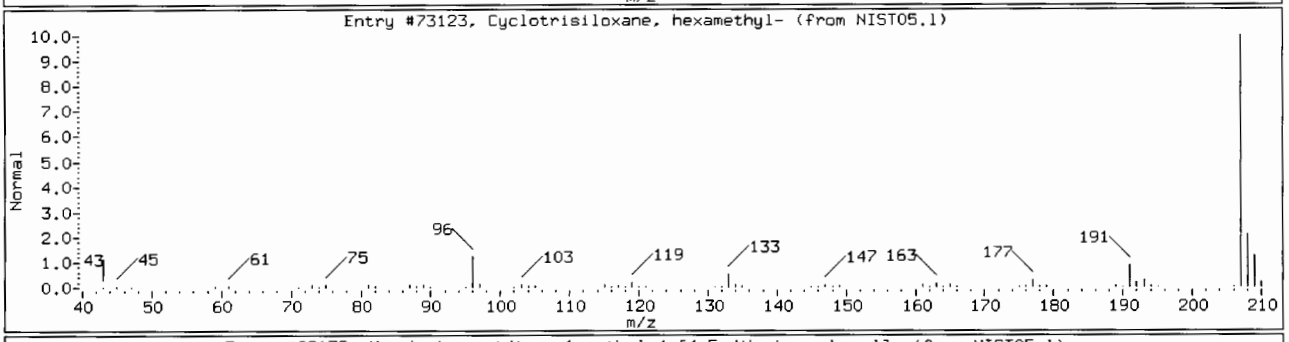


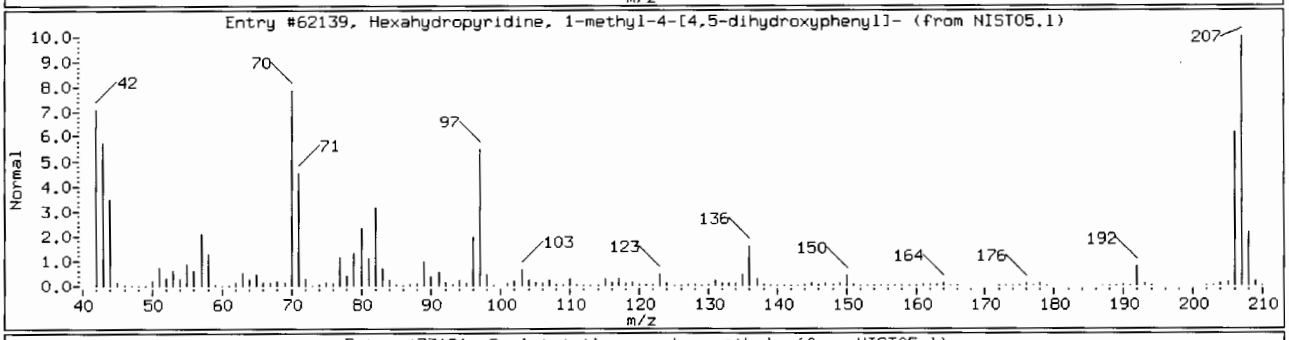
Data File: dlle14.d
Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24
Client ID: MW-12D_050214 Instrument: D.i
Sample Info: 200-22183-B-6 Operator: JSW

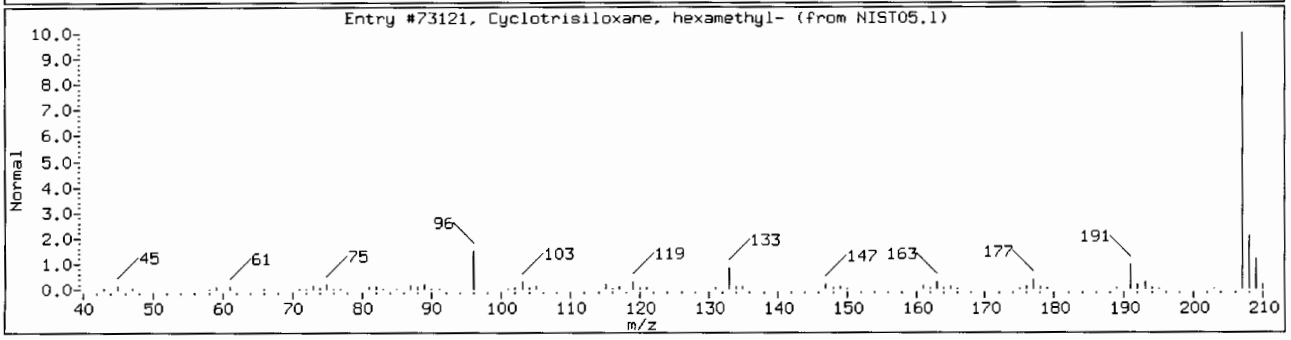
Retention Time: 8.35

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.l	73123	83	C6H18O3Si3	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.l	62139	59	C12H17NO2	207
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.l	73121	49	C6H18O3Si3	222





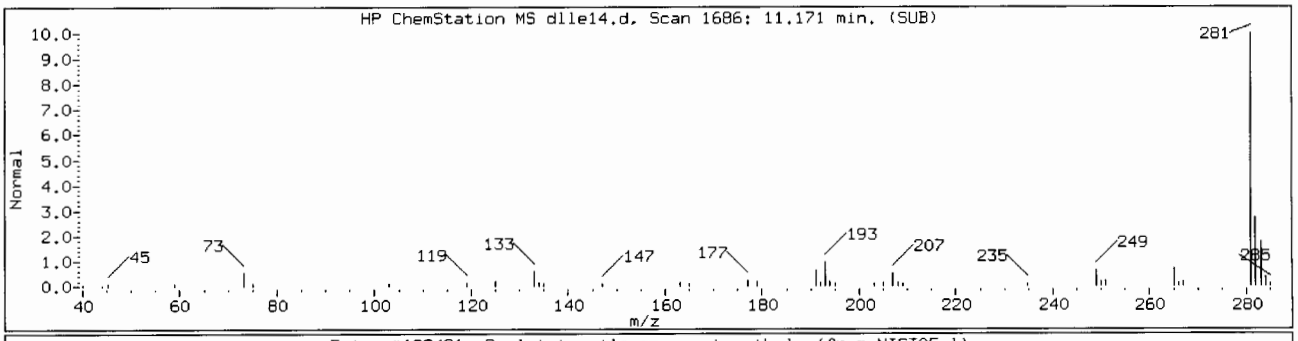


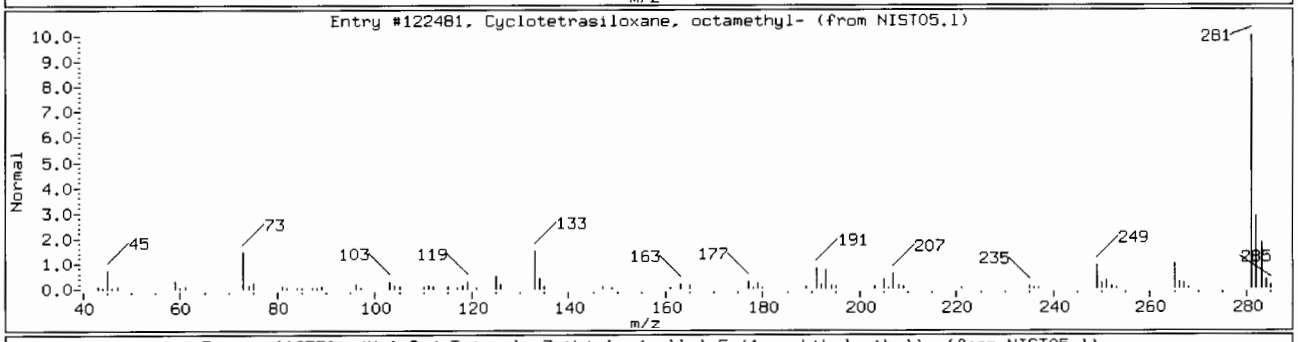


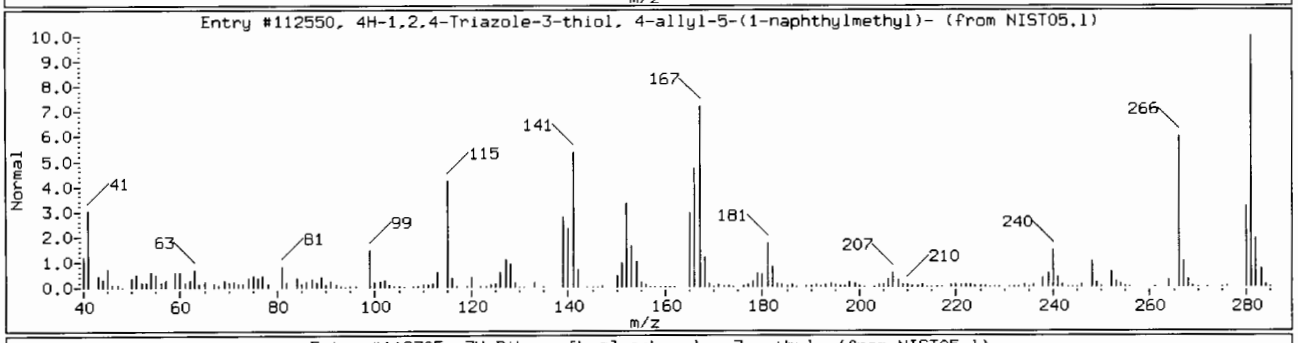
Data File: dlle14.d
Lab Sample ID: 200-22183-6 Date: 13-MAY-2014 15:24
Client ID: MW-12D_050214 Instrument: D.i
Sample Info: 200-22183-B-6 Operator: JSW

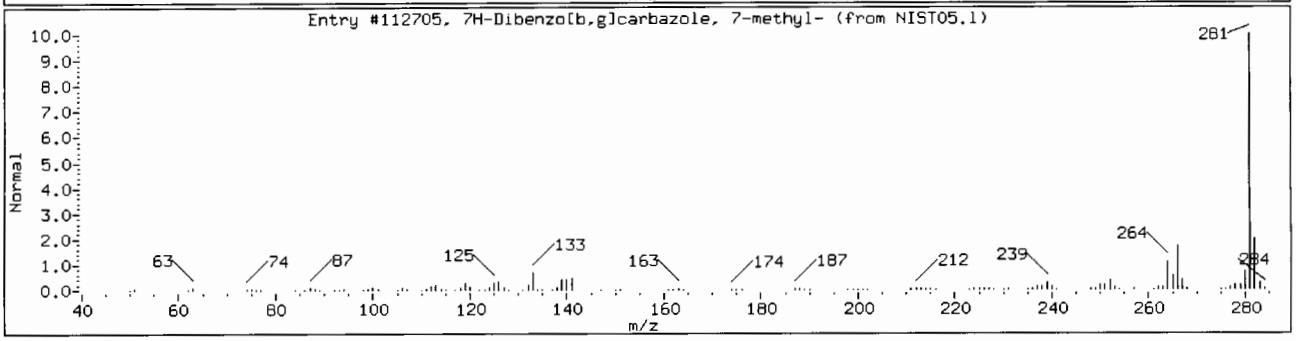
Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	91	C8H24O4Si4	296
4H-1,2,4-Triazole-3-thiol, 4-allyl	31803-13-1	NIST05.1	112550	58	C16H15N3S	281
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	53	C21H15N	281









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-12D_050214 DL
Lab Sample ID: 200-22183-6 DL
Matrix: Water
Lab File ID: dlld16.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 09:47
Sample wt/vol: 25(mL)
Date Analyzed: 05/12/2014 19:23
Soil Aliquot Vol:
Dilution Factor: 3.2
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72030
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	1.6	U	1.6	0.24
74-87-3	Chloromethane	1.6	U	1.6	0.20
75-01-4	Vinyl chloride	1.6	U	1.6	0.21
74-83-9	Bromomethane	1.6	U	1.6	0.22
75-00-3	Chloroethane	1.6	U	1.6	0.30
75-69-4	Trichlorofluoromethane	1.6	U	1.6	0.32
75-35-4	1,1-Dichloroethene	1.6	U	1.6	0.12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.6	U	1.6	0.12
67-64-1	Acetone	16	U	16	2.9
75-15-0	Carbon disulfide	1.6	U	1.6	0.16
79-20-9	Methyl acetate	1.6	U	1.6	0.45
75-09-2	Methylene chloride	1.6	U	1.6	0.22
156-60-5	trans-1,2-Dichloroethene	1.3	J D	1.6	0.15
1634-04-4	Methyl tert-butyl ether	1.6	U	1.6	0.20
75-34-3	1,1-Dichloroethane	1.6	U	1.6	0.24
156-59-2	cis-1,2-Dichloroethene	60	D	1.6	0.17
78-93-3	2-Butanone	16	U	16	2.8
74-97-5	Bromochloromethane	1.6	U	1.6	0.23
67-66-3	Chloroform	1.6	U	1.6	0.26
71-55-6	1,1,1-Trichloroethane	1.6	U	1.6	0.25
110-82-7	Cyclohexane	1.6	U	1.6	0.21
56-23-5	Carbon tetrachloride	1.6	U	1.6	0.21
71-43-2	Benzene	1.6	U	1.6	0.20
107-06-2	1,2-Dichloroethane	1.6	U	1.6	0.28
79-01-6	Trichloroethene	28	D	1.6	0.26
108-87-2	Methylcyclohexane	1.6	U	1.6	0.25
78-87-5	1,2-Dichloropropane	1.6	U	1.6	0.22
75-27-4	Bromodichloromethane	1.6	U	1.6	0.20
10061-01-5	cis-1,3-Dichloropropene	1.6	U	1.6	0.19
108-10-1	4-Methyl-2-pentanone	16	U	16	2.6
108-88-3	Toluene	1.4	J D	1.6	0.22
10061-02-6	trans-1,3-Dichloropropene	1.6	U	1.6	0.70
79-00-5	1,1,2-Trichloroethane	1.6	U	1.6	0.28
127-18-4	Tetrachloroethene	4.9	D	1.6	0.25
591-78-6	2-Hexanone	16	U	16	3.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 DL | Lab Sample ID: 200-22183-6 DL

Matrix: Water | Lab File ID: dlld16.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 19:23

Soil Aliquot Vol: | Dilution Factor: 3.2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	1.6	U	1.6	0.21
106-93-4	1,2-Dibromoethane	1.6	U	1.6	0.19
108-90-7	Chlorobenzene	1.6	U	1.6	0.20
100-41-4	Ethylbenzene	1.6	U	1.6	0.19
95-47-6	o-Xylene	1.6	U	1.6	0.21
179601-23-1	m,p-Xylene	1.6	U	1.6	0.22
100-42-5	Styrene	1.6	U	1.6	0.20
75-25-2	Bromoform	1.6	U	1.6	0.27
98-82-8	Isopropylbenzene	1.6	U	1.6	0.19
79-34-5	1,1,2,2-Tetrachloroethane	1.6	U	1.6	0.29
541-73-1	1,3-Dichlorobenzene	1.6	U	1.6	0.20
106-46-7	1,4-Dichlorobenzene	1.6	U	1.6	0.19
95-50-1	1,2-Dichlorobenzene	1.6	U	1.6	0.23
96-12-8	1,2-Dibromo-3-chloropropane	1.6	U	1.6	0.51
120-82-1	1,2,4-Trichlorobenzene	1.6	U	1.6	0.21
87-61-6	1,2,3-Trichlorobenzene	1.6	U	1.6	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	121	D	65-131
19199-91-8	Chloroethane-d5	130	D	71-131
22280-73-5	1,1-Dichloroethene-d2	95	D	55-104
24313-50-6	2-Butanone-d5	112	D	49-155
865-49-6	Chloroform-d	115	D	78-121
17060-07-0	1,2-Dichloroethane-d4	132	X D	78-129
1076-43-3	Benzene-d6	110	D	77-124
93952-08-0	1,2-Dichloropropane-d6	95	D	79-124
2037-26-5	Toluene-d8	109	D	77-121
93951-86-1	trans-1,3-Dichloropropene-d4	99	D	73-121
4840-82-8	2-Hexanone-d5	109	D	28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	98	D	73-125
2199-69-1	1,2-Dichlorobenzene-d4	100	D	80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 DL Lab Sample ID: 200-22183-6 DL

Matrix: Water Lab File ID: dlld16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 19:23

Soil Aliquot Vol: Dilution Factor: 3.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

Number TICs Found: 5 TIC Result Total: 32

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	3.6	J D
	Unknown	7.43	9.8	J B D
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	5.9	J N D
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	9.9	J N D
	Unknown	13.31	2.8	J D

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-12D_050214 DL Lab Sample ID: 200-22183-6 DL

Matrix: Water Lab File ID: dlld16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 09:47

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 19:23

Soil Aliquot Vol: Dilution Factor: 3.2

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-6
Client Smp ID: MW-12D_050214DL
Inj Date : 12-MAY-2014 19:23
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-6
Misc Info : 3.2,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:31 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 16
Dil Factor: 3.20000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	3.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.777	1.771	(0.291)	93507	150.637	6.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.136	2.131	(0.350)	76128	162.007	6.5
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	151488	118.826	4.8(Q)
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	6407	10.4547	1.3(a)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	98496	1399.00	56
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	280840	465.890	60
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	154589	143.827	5.8
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	Compound Not Detected.					
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.611	5.612	(0.919)	62623	164.731	6.6(R)
$	29 Benzene-d6	84	5.630	5.630	(0.594)	344282	137.547	5.5
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	269472	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	149712	221.125	28
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	83255	118.817	4.8
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.782	7.782	(0.821)	338551	136.603	5.5
	41 Toluene	91	7.861	7.861	(0.830)	30292	10.7830	1.4(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	63527	124.040	5.0
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	25760	37.9104	4.9
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	79248	1362.40	54
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	214222	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.055	11.050	(1.167)	29646	122.883	4.9
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	102597	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	91448	124.512	5.0
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-6
Client Smp ID: MW-12D_050214DL
Inj Date : 12-MAY-2014 19:23
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-6
Misc Info : 3.2,5
Comment :
Method : /chem/D.i/Dsvr.p/dlldsmtr.b/somtr5t.m
Meth Date : 13-May-2014 11:31 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 16
Dil Factor: 3.20000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	3.20000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	624710	125.000
* 50 Chlorobenzene-d5	9.477	659252	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	619190	125.000

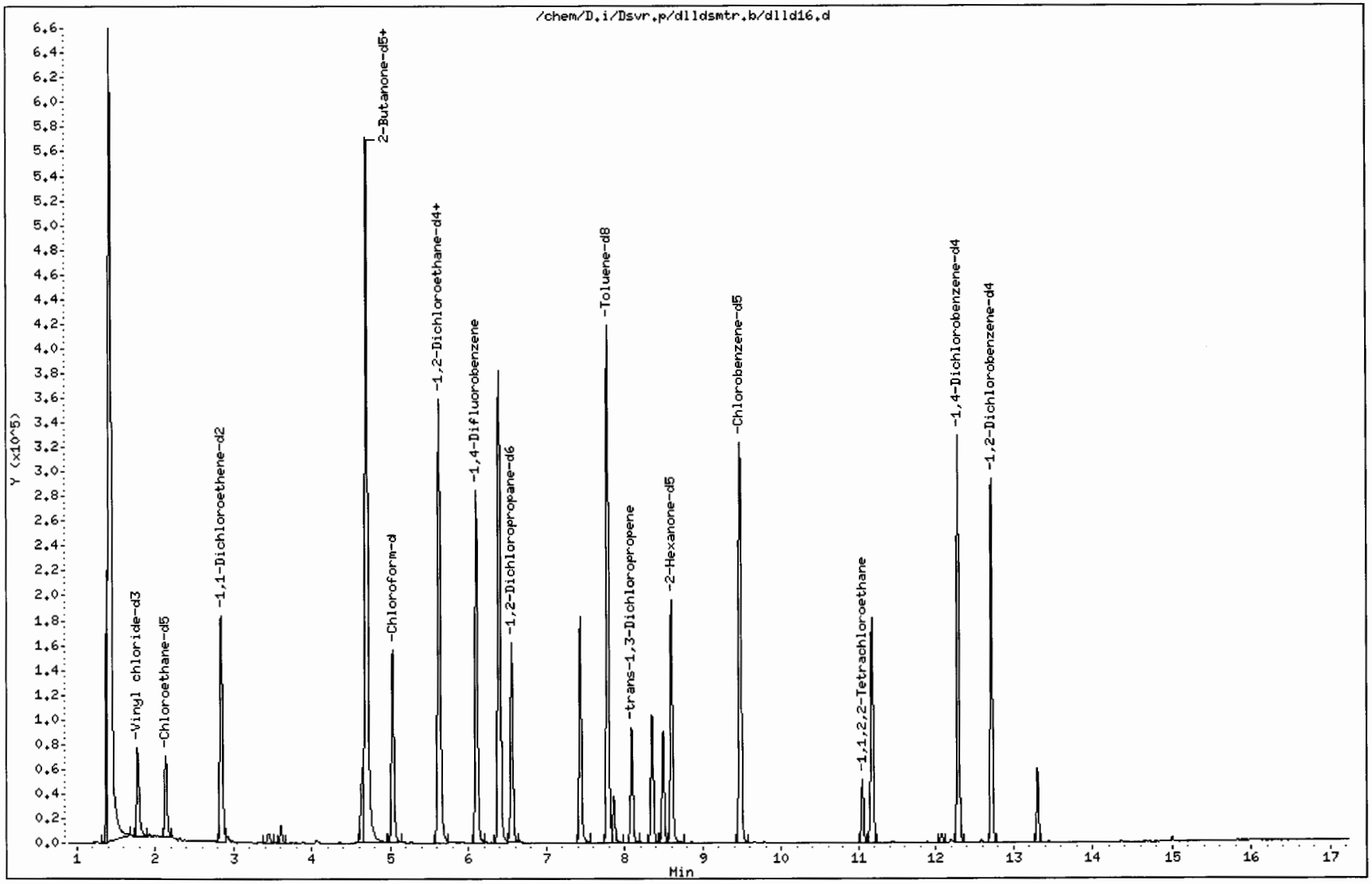
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.642	138824	27.7775724	3.6	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	384091	76.8538300	9.8	0		0	32
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.349	241573	45.8042753	5.9	86	NIST05.1	73123	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	384136	77.5479439	9.9	91	NIST05.1	122481	61
Unknown				CAS #:			
13.305	107883	21.7790070	2.8	0		0	61

Data File: /chem/D.i/Dsvr.p/dlldsmtr.b/dlld16.d
Date : 12-MAY-2014 19:23
Client ID: MW-12D_050214DL
Sample Info: 200-22183-C-6
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



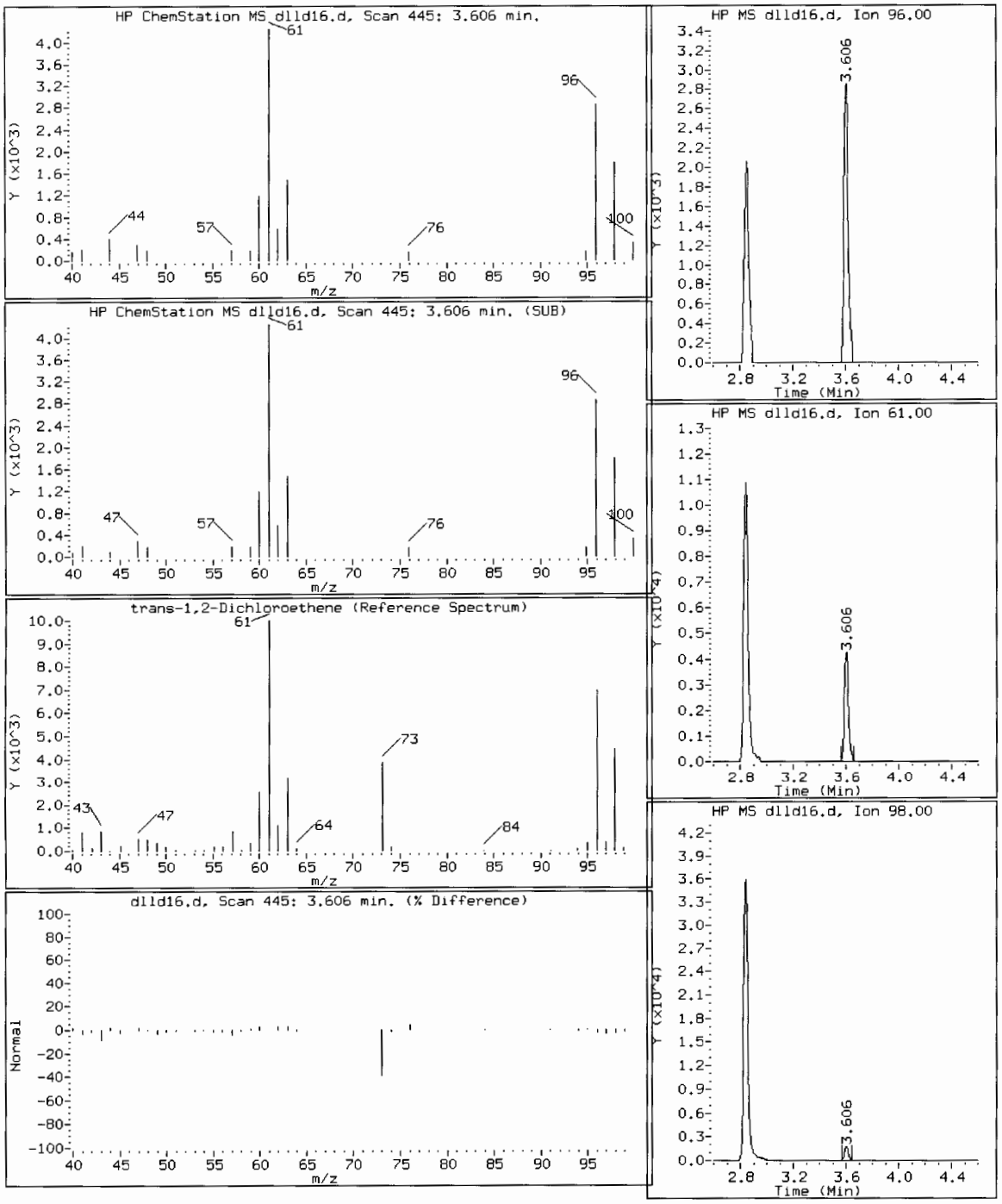
Data File: dlld16.d

Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

Client ID: MW-12D_050214DL Instrument: D.i

Sample Info: 200-22183-C-6 Operator: JSW

16 trans-1,2-Dichloroethene



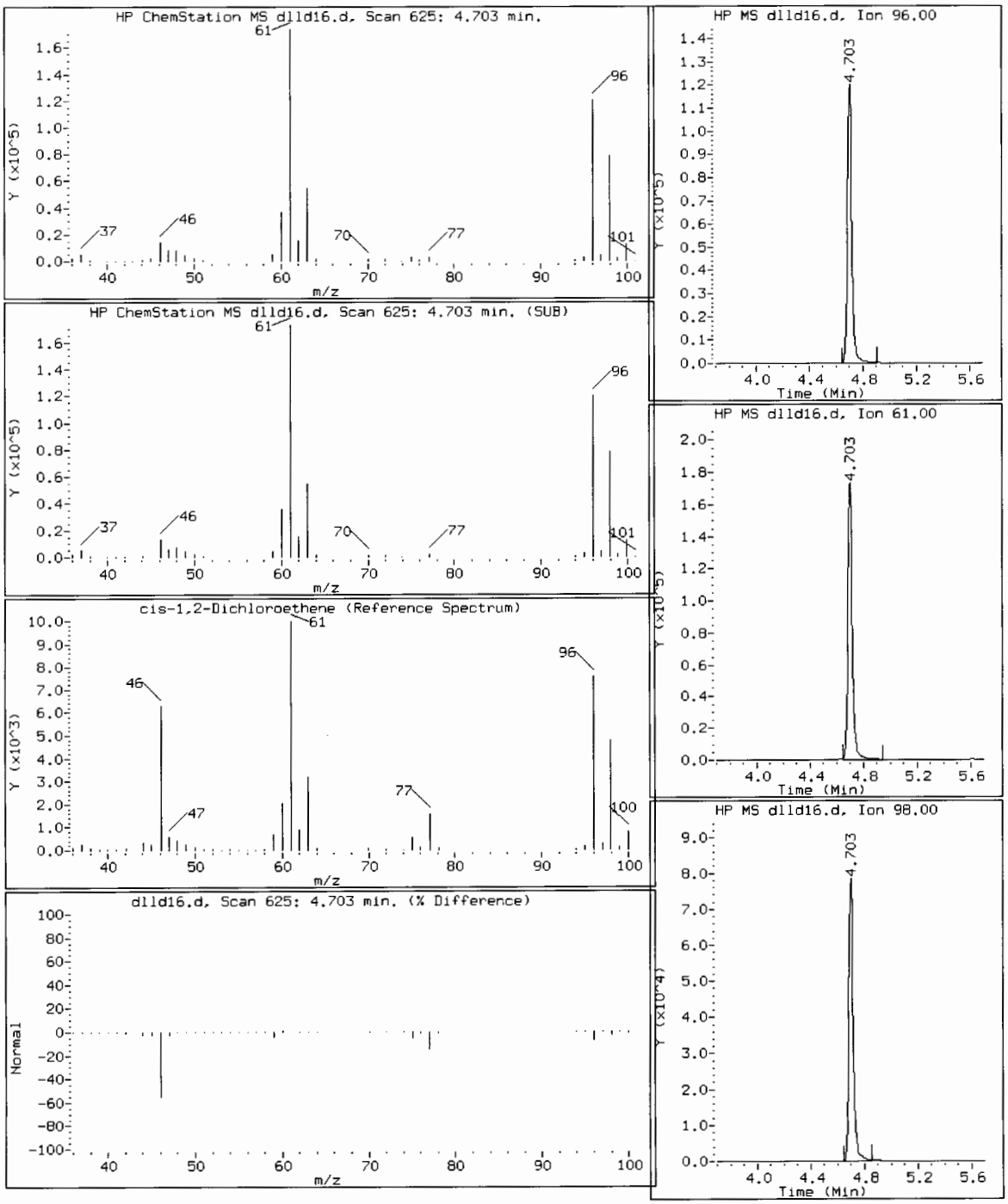
Data File: dlld16.d

Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

Client ID: MW-12D_050214DL Instrument: D.i

Sample Info: 200-22183-C-6 Operator: JSW

20 cis-1,2-Dichloroethene



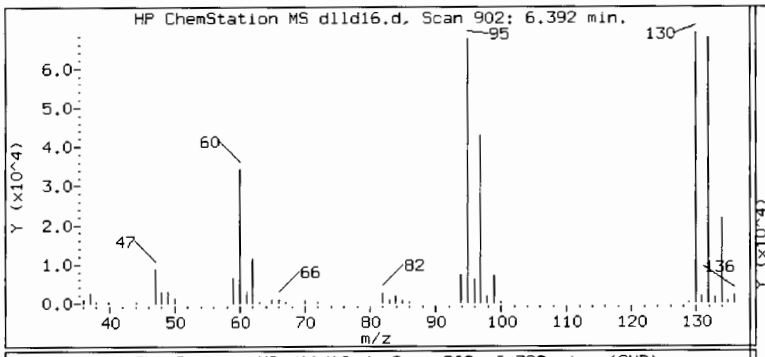
Data File: dlld16.d

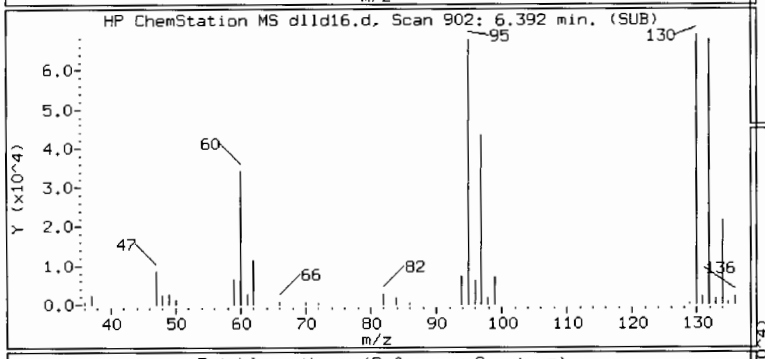
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

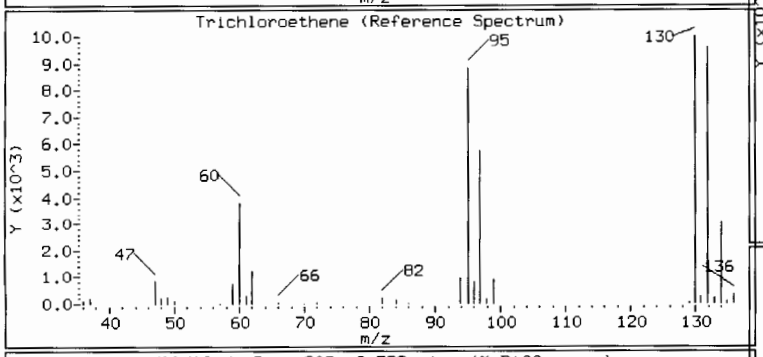
Client ID: MW-12D_050214DL Instrument: D.i

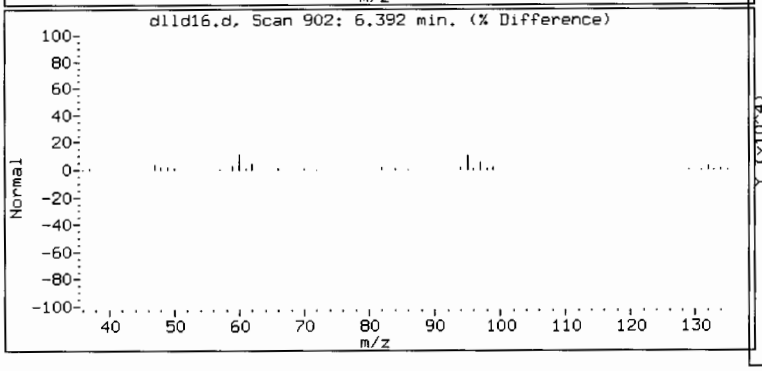
Sample Info: 200-22183-C-6 Operator: JSW

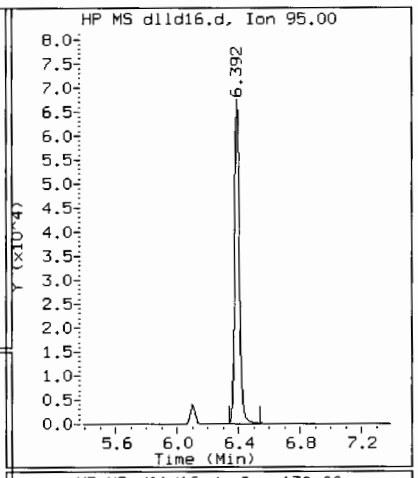
33 Trichloroethene

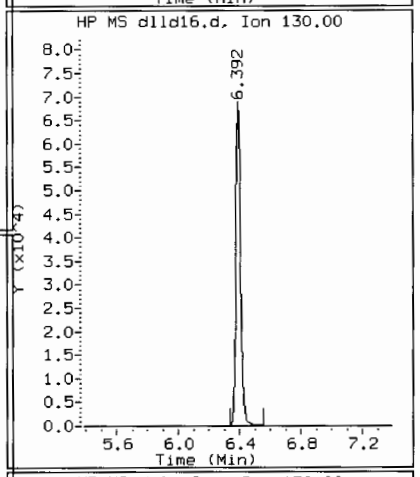


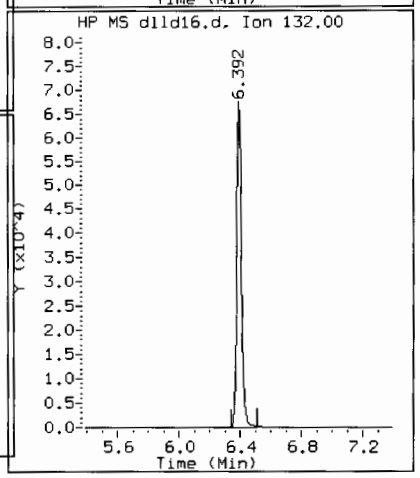












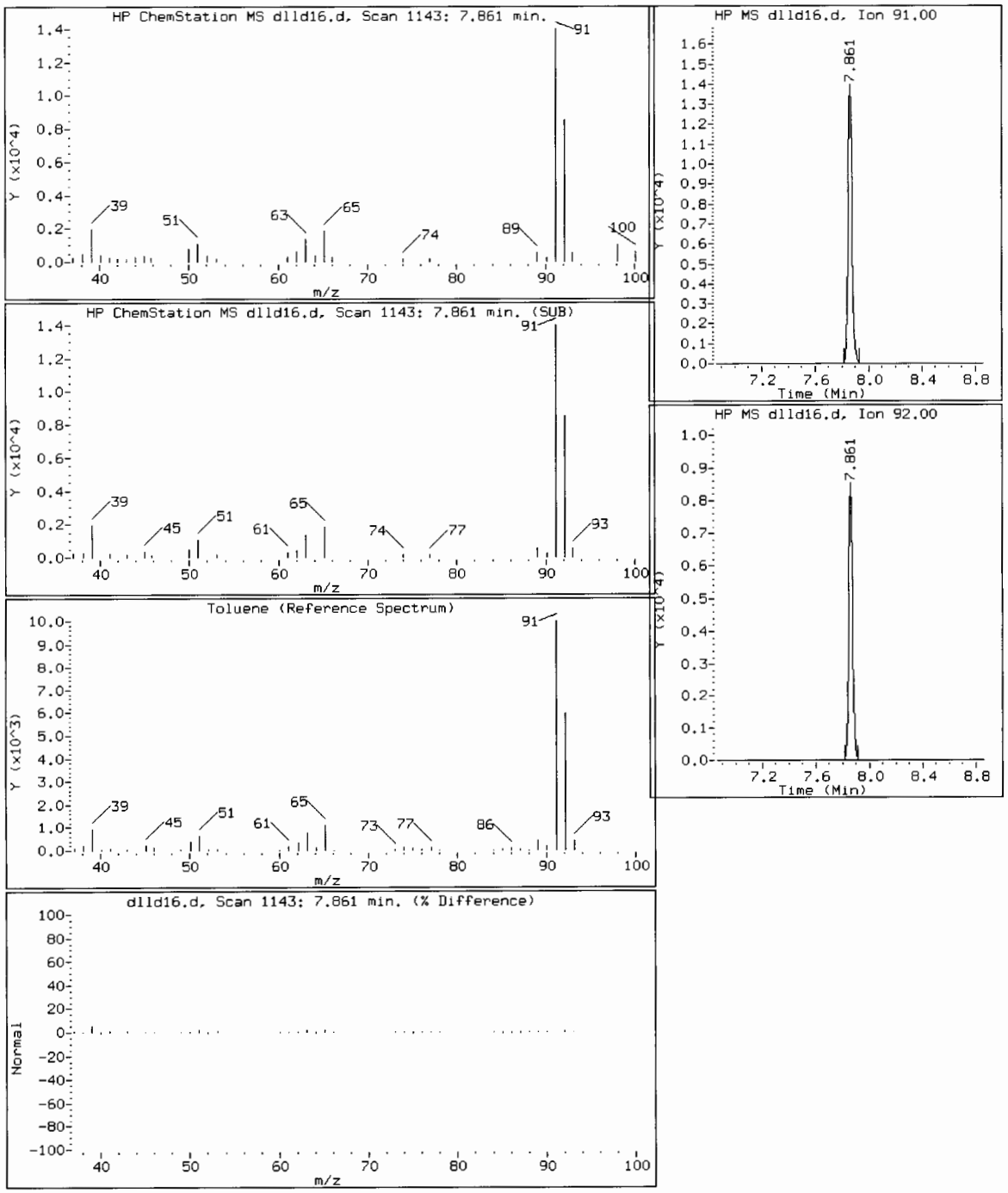
Data File: dlld16.d

Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

Client ID: MW-12D_050214DL Instrument: D.i

Sample Info: 200-22183-C-6 Operator: JSW

41 Toluene



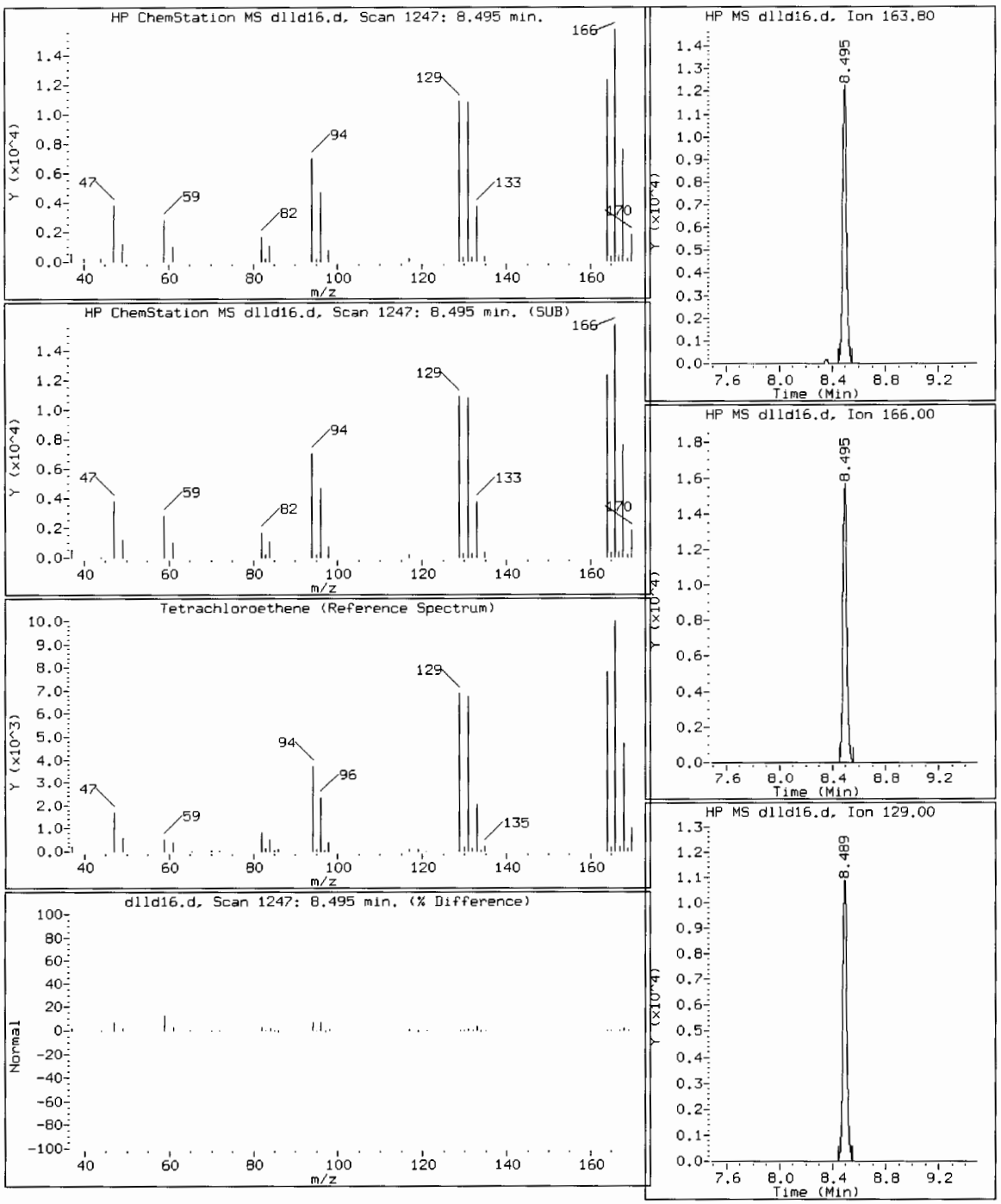
Data File: dlldl6.d

Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

Client ID: MW-12D_050214DL Instrument: D.i

Sample Info: 200-22183-C-6 Operator: JSW

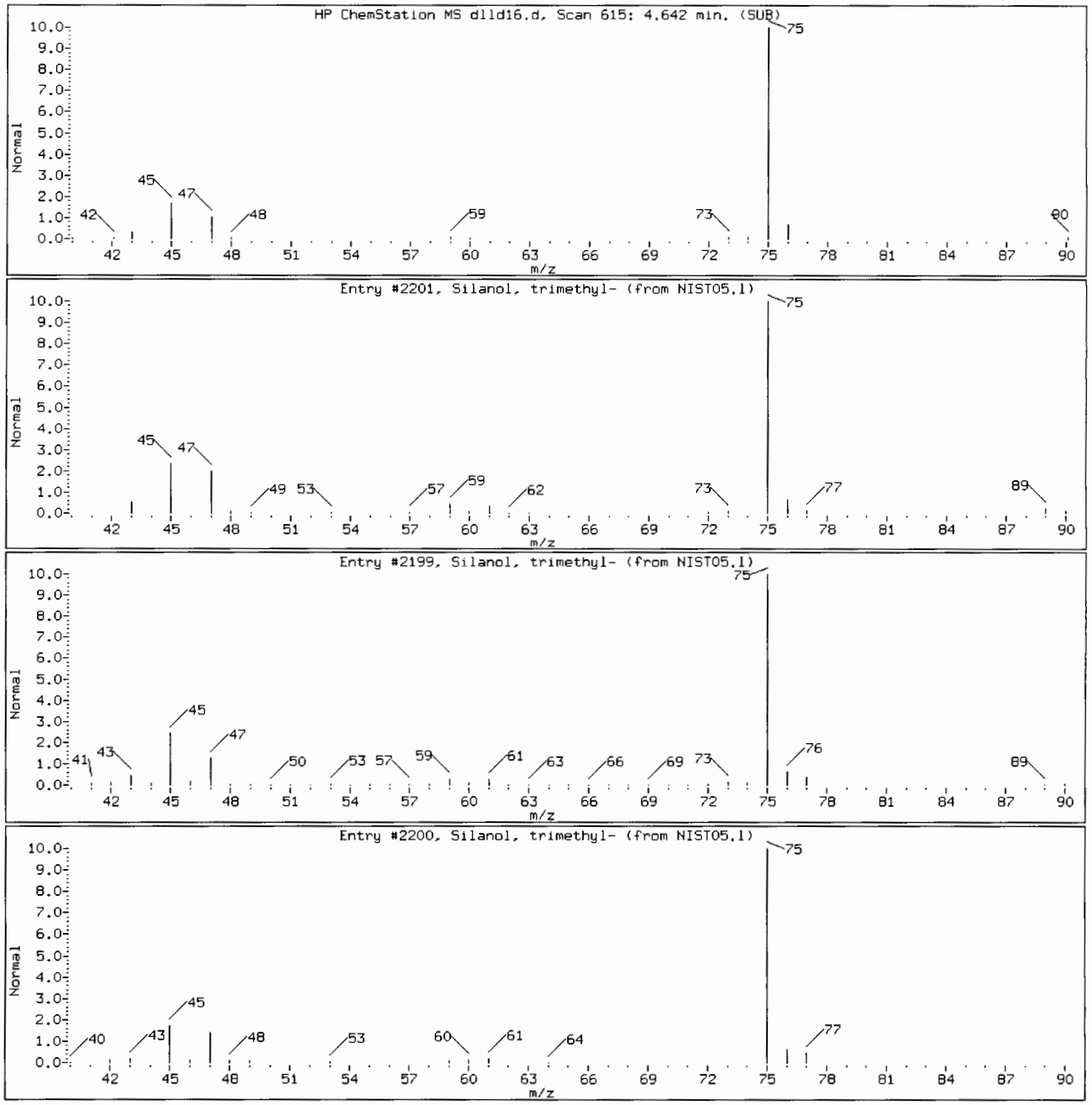
45 Tetrachloroethene



Data File: d11d16.d
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23
Client ID: MW-12D_050214DL Instrument: D.i
Sample Info: 200-22183-C-6 Operator: JSW

Retention Time: 4.64

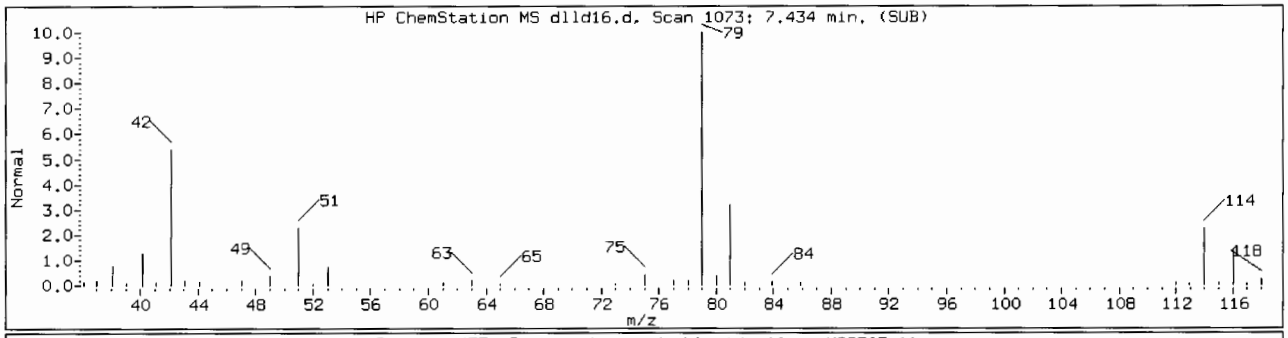
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2201	64	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2199	43	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2200	43	C3H10OSi	90

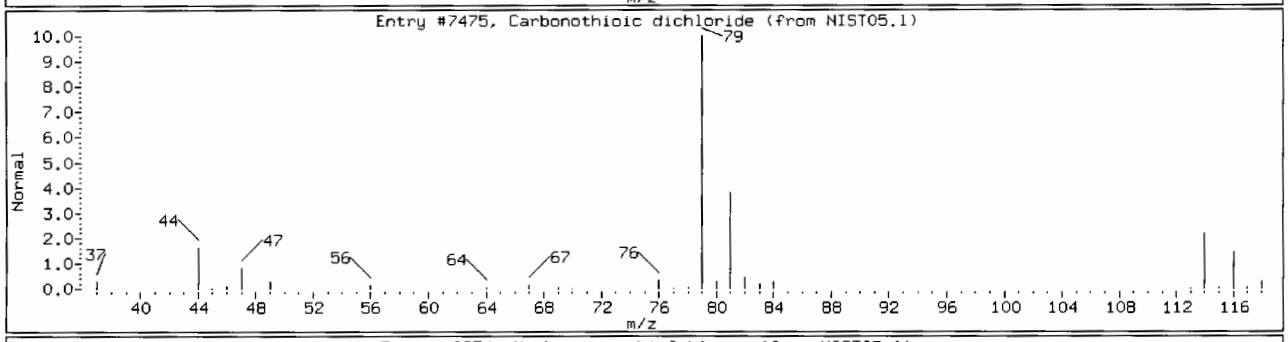


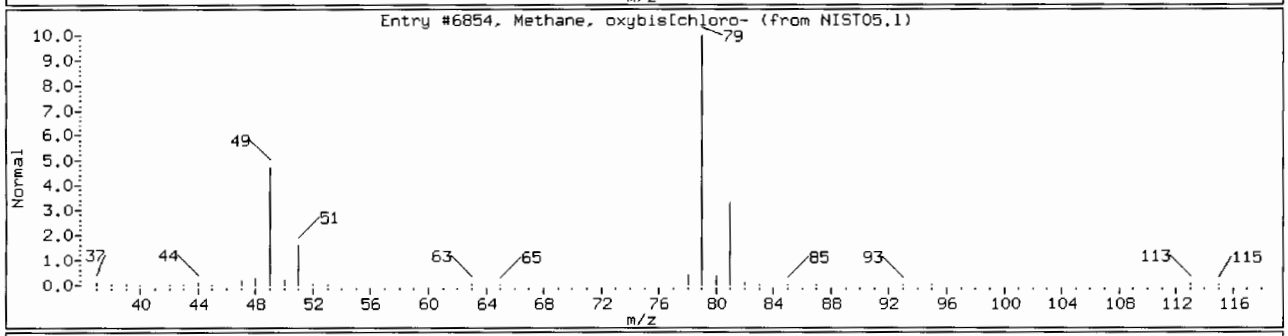
Data File: d11d16.d
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23
Client ID: MW-12D_050214DL Instrument: D.i
Sample Info: 200-22183-C-6 Operator: JSW

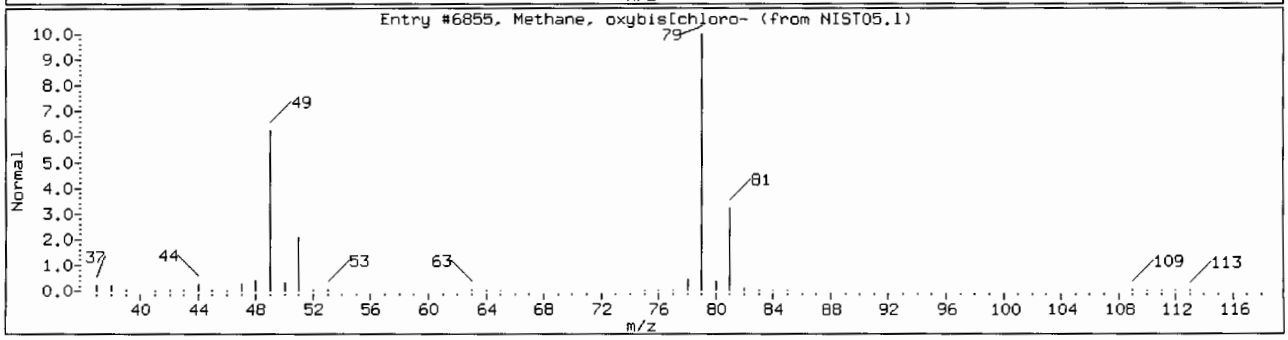
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114









Data File: dlld16.d

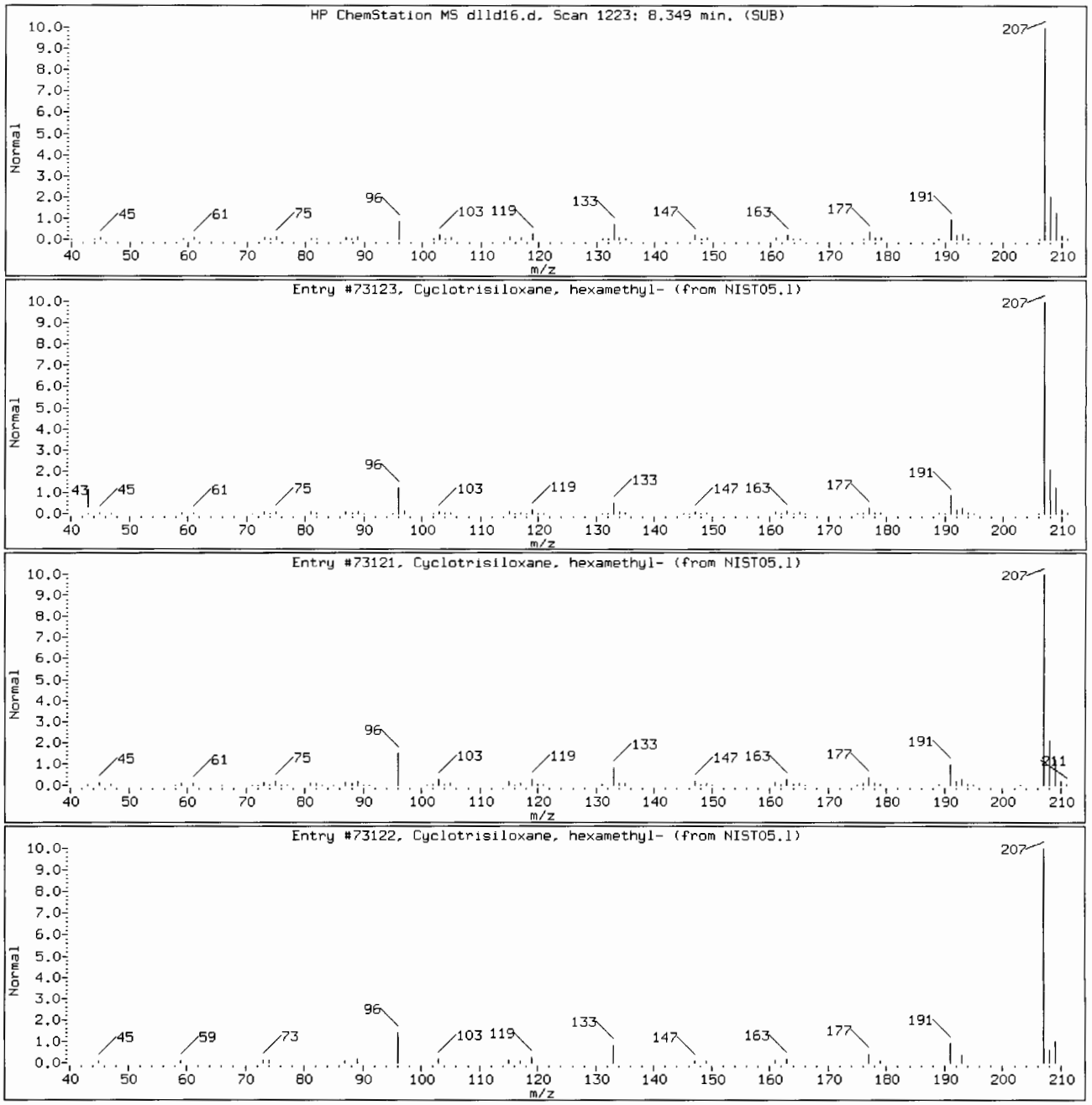
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23

Client ID: MW-12D_050214DL Instrument: D.i

Sample Info: 200-22183-C-6 Operator: JSW

Retention Time: 8.35

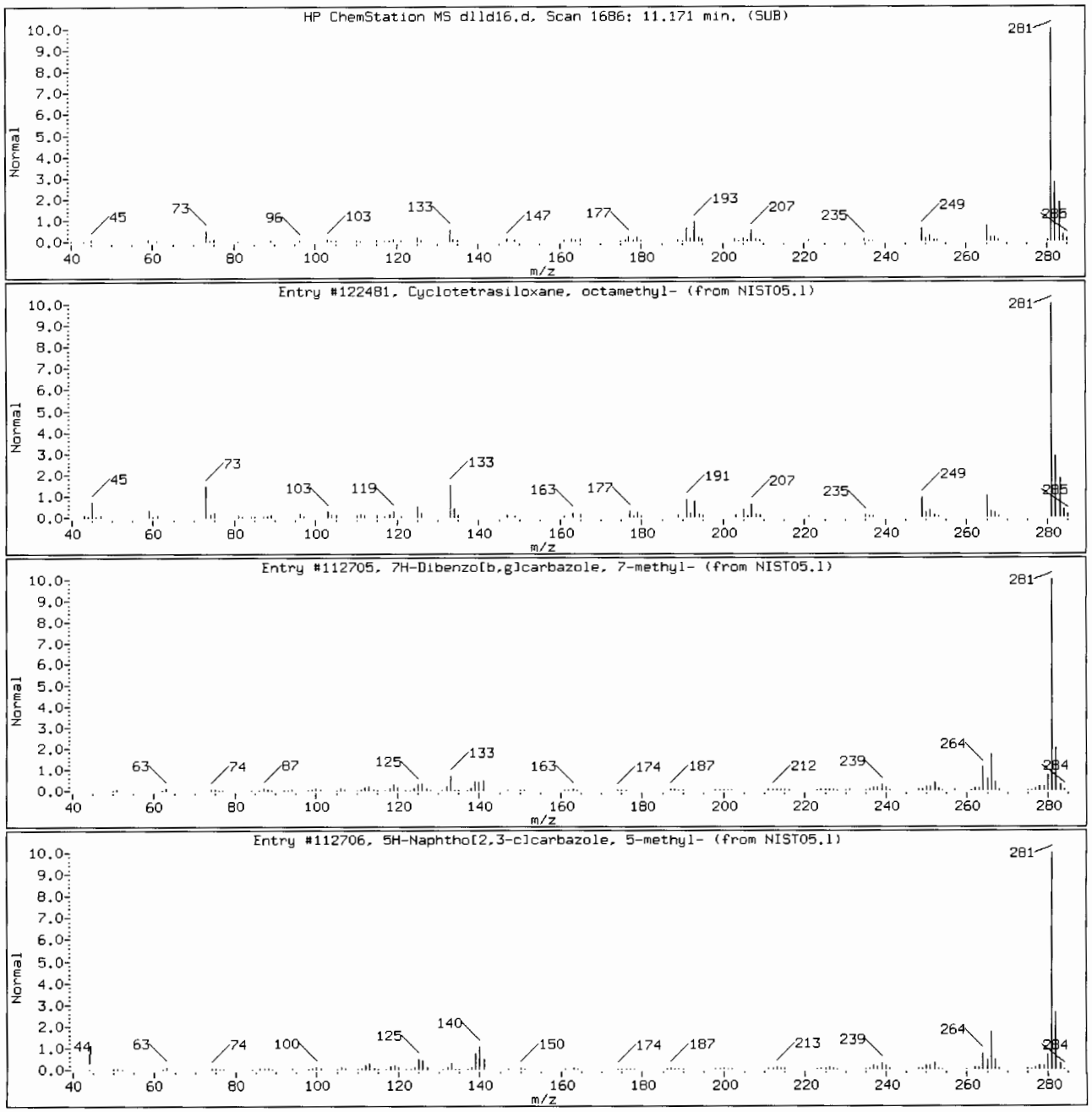
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	86	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	46	C6H18O3Si3	222



Data File: d11d16.d
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23
Client ID: MW-12D_050214DL Instrument: D.i
Sample Info: 200-22183-C-6 Operator: JSW

Retention Time: 11.17

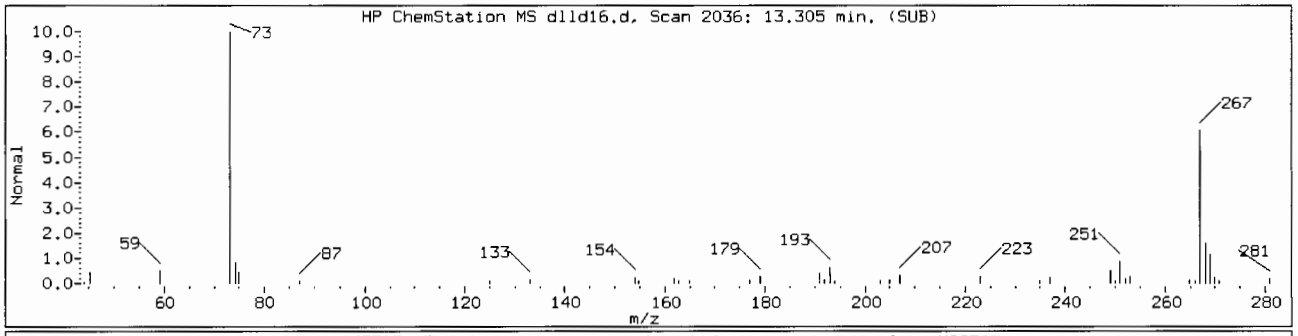
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122481	91	C8H24O4Si4	296
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C21H15N	281
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	56	C21H15N	281

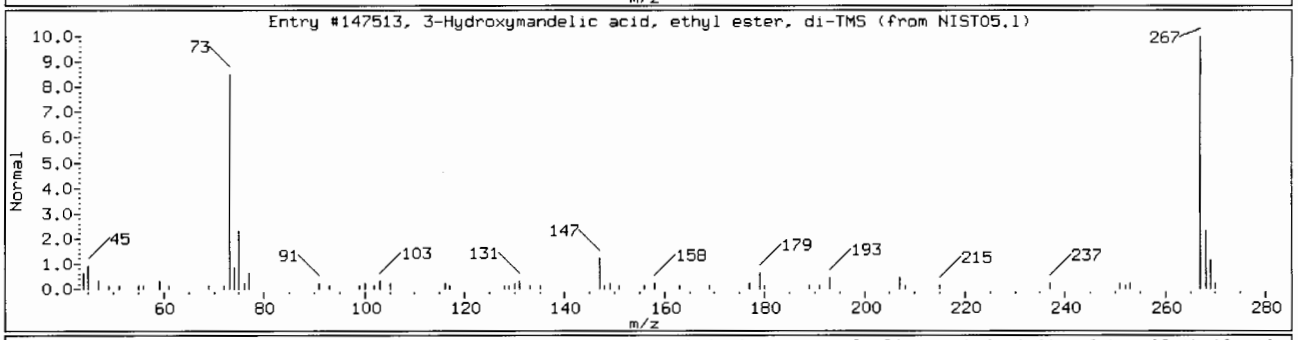


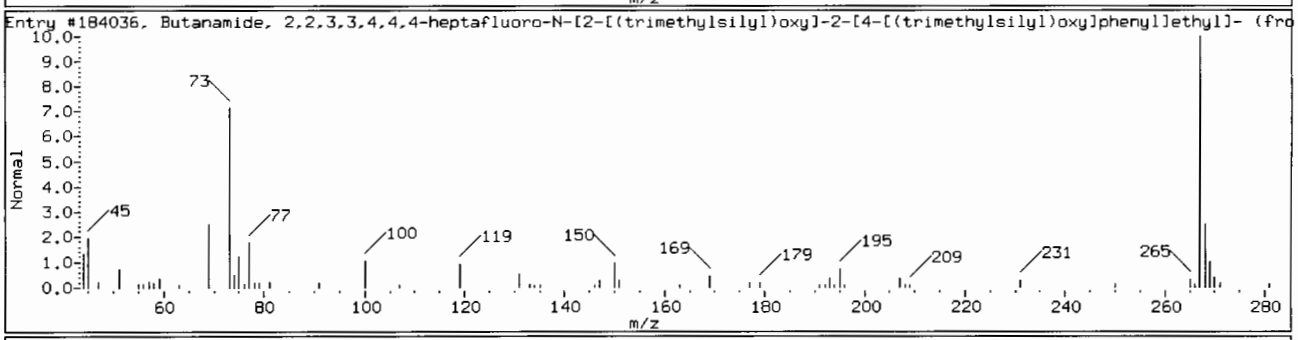
Data File: dlld16.d
Lab Sample ID: 200-22183-6 Date: 12-MAY-2014 19:23
Client ID: MW-12D_050214DL Instrument: D.i
Sample Info: 200-22183-C-6 Operator: JSW

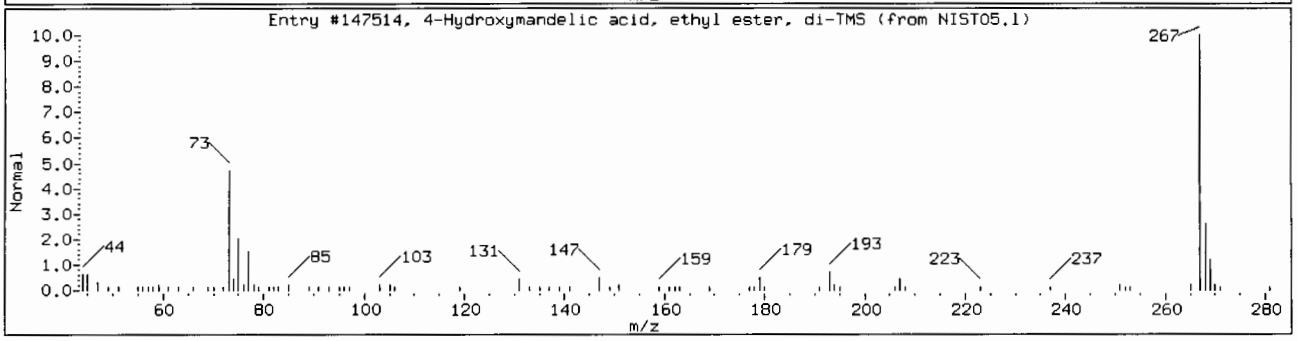
Retention Time: 13.31

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
3-Hydroxymandelic acid, ethyl este	1000071-88-9	NIST05.1	147513	72	C16H28O4Si2	340
Butanamide, 2,2,3,3,4,4,4-heptaflu	55471-01-7	NIST05.1	184036	50	C18H26F7NO3Si2	493
4-Hydroxymandelic acid, ethyl este	1000071-53-3	NIST05.1	147514	50	C16H28O4Si2	340









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-20D_050214
Lab Sample ID: 200-22183-7
Matrix: Water
Lab File ID: dlle19.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 10:52
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 17:27
Soil Aliquot Vol:
Dilution Factor: 5.3
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	2.7	U	2.7	0.39
74-87-3	Chloromethane	2.7	U	2.7	0.33
75-01-4	Vinyl chloride	33		2.7	0.36
74-83-9	Bromomethane	2.7	U	2.7	0.37
75-00-3	Chloroethane	2.7	U	2.7	0.49
75-69-4	Trichlorofluoromethane	2.7	U	2.7	0.52
75-35-4	1,1-Dichloroethene	28		2.7	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.7	U	2.7	0.20
67-64-1	Acetone	27	U	27	4.9
75-15-0	Carbon disulfide	2.7	U	2.7	0.27
79-20-9	Methyl acetate	2.7	U	2.7	0.74
75-09-2	Methylene chloride	2.7	U	2.7	0.37
156-60-5	trans-1,2-Dichloroethene	2.2	J	2.7	0.25
1634-04-4	Methyl tert-butyl ether	2.7	U	2.7	0.33
75-34-3	1,1-Dichloroethane	11		2.7	0.40
156-59-2	*cis-1,2-Dichloroethene*	*430*	*E*	*2.7*	*0.28*
78-93-3	2-Butanone	27	U	27	4.7
74-97-5	Bromochloromethane	2.7	U	2.7	0.39
67-66-3	Chloroform	1.2	J	2.7	0.43
71-55-6	1,1,1-Trichloroethane	5.2		2.7	0.41
110-82-7	Cyclohexane	2.7	U	2.7	0.35
56-23-5	Carbon tetrachloride	2.7	U	2.7	0.35
71-43-2	Benzene	2.7	U	2.7	0.34
107-06-2	1,2-Dichloroethane	2.7	U	2.7	0.47
79-01-6	*Trichloroethene*	*170*	*E*	*2.7*	*0.42*
108-87-2	Methylcyclohexane	2.7	U	2.7	0.41
78-87-5	1,2-Dichloropropane	2.7	U	2.7	0.37
75-27-4	Bromodichloromethane	2.7	U	2.7	0.32
10061-01-5	cis-1,3-Dichloropropene	2.7	U	2.7	0.32
108-10-1	4-Methyl-2-pentanone	27	U	27	4.3
108-88-3	Toluene	1.4	J	2.7	0.36
10061-02-6	trans-1,3-Dichloropropene	2.7	U	2.7	1.2
79-00-5	1,1,2-Trichloroethane	2.7	U	2.7	0.46
127-18-4	Tetrachloroethene	37		2.7	0.41
591-78-6	2-Hexanone	27	U	27	5.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 | Lab Sample ID: 200-22183-7

Matrix: Water | Lab File ID: dlle19.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) | Date Analyzed: 05/13/2014 17:27

Soil Aliquot Vol: | Dilution Factor: 5.3

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72092 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	2.7	U	2.7	0.36
106-93-4	1,2-Dibromoethane	2.7	U	2.7	0.31
108-90-7	Chlorobenzene	2.7	U	2.7	0.33
100-41-4	Ethylbenzene	2.7	U	2.7	0.31
95-47-6	o-Xylene	2.7	U	2.7	0.34
179601-23-1	m,p-Xylene	2.7	U	2.7	0.36
100-42-5	Styrene	2.7	U	2.7	0.32
75-25-2	Bromoform	2.7	U	2.7	0.44
98-82-8	Isopropylbenzene	2.7	U	2.7	0.31
79-34-5	1,1,2,2-Tetrachloroethane	2.7	U	2.7	0.48
541-73-1	1,3-Dichlorobenzene	2.7	U	2.7	0.34
106-46-7	1,4-Dichlorobenzene	2.7	U	2.7	0.31
95-50-1	1,2-Dichlorobenzene	2.7	U	2.7	0.38
96-12-8	1,2-Dibromo-3-chloropropane	2.7	U	2.7	0.85
120-82-1	1,2,4-Trichlorobenzene	2.7	U	2.7	0.35
87-61-6	1,2,3-Trichlorobenzene	2.7	U	2.7	0.48

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	113		65-131
19199-91-8	Chloroethane-d5	118		71-131
22280-73-5	1,1-Dichloroethene-d2	121	X	55-104
24313-50-6	2-Butanone-d5	104		49-155
865-49-6	Chloroform-d	107		78-121
17060-07-0	1,2-Dichloroethane-d4	127		78-129
1076-43-3	Benzene-d6	97		77-124
93952-08-0	1,2-Dichloropropane-d6	86		79-124
2037-26-5	Toluene-d8	97		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	92		73-121
4840-82-8	2-Hexanone-d5	97		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	91		73-125
2199-69-1	1,2-Dichlorobenzene-d4	91		80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington
Job No.: 200-22132-1
SDG No.: 200-22132
Client Sample ID: MW-20D_050214
Lab Sample ID: 200-22183-7
Matrix: Water
Lab File ID: d11e19.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/02/2014 10:52
Sample wt/vol: 25(mL)
Date Analyzed: 05/13/2014 17:27
Soil Aliquot Vol:
Dilution Factor: 5.3
Soil Extract Vol.:
GC Column: DB-624 ID: 0.2(mm)
% Moisture:
Level: (low/med) Trace
Analysis Batch No.: 72092
Units: ug/L
Number TICs Found: 4
TIC Result Total: 28.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	4.64	4.1	J
	Unknown	7.43	15	B J
	Unknown	8.35	3.8	J
	Unknown	11.17	5.8	J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 Lab Sample ID: 200-22183-7

Matrix: Water Lab File ID: d11e19.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) Date Analyzed: 05/13/2014 17:27

Soil Aliquot Vol: Dilution Factor: 5.3

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72092 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-7
Client Smp ID: MW-20D_050214
Inj Date : 13-MAY-2014 17:27
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-7
Misc Info : 5.3,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 19
Dil Factor: 5.30000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	5.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	1 Dichlorodifluoromethane	85	Compound Not Detected.					
	2 Chloromethane	50	Compound Not Detected.					
$	3 Vinyl chloride-d3	65	1.783	1.771	(0.292)	69547	141.009	5.6
	4 Vinyl chloride	62	1.783	1.777	(0.292)	96940	154.564	33
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	55298	148.109	5.9
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	153093	151.137	6.0(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	61715	131.100	28(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	Compound Not Detected.					
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	16 trans-1,2-Dichloroethene	96	3.606	3.600	(0.591)	5147	10.5705	2.2(aQ)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.063	4.057	(0.665)	46285	51.7966	11
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	72458	1295.30	52
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	969057	2023.28	430(A)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	113872	133.340	5.3
	24 Chloroform	83	5.051	5.051	(0.827)	4588	5.72578	1.2(a)
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	21700	24.4306	5.2
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	Compound Not Detected.					
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	48032	159.021	6.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	244287	121.537	4.9
	30 Benzene	78	5.673	5.673	(0.599)	3200	1.54628	0.33(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	214107	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	430988	792.713	170(A)
$	34 1,2-Dichloropropane-d6	67	6.557	6.550	(0.692)	60296	107.158	4.3(Q)
	35 Methylcyclohexane	55	Compound Not Detected.					
	36 1,2-Dichloropropane	63	Compound Not Detected.					
	37 Bromodichloromethane	83	Compound Not Detected.					
	38 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	39 4-Methyl-2-pentanone	43	Compound Not Detected.					
$	40 Toluene-d8	98	7.788	7.782	(0.822)	241101	121.145	4.8
	41 Toluene	91	7.861	7.861	(0.830)	14939	6.62224	1.4(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.093	8.087	(0.854)	47154	114.655	4.6
	43 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	44 1,1,2-Trichloroethane	97	Compound Not Detected.					
	45 Tetrachloroethene	164	8.495	8.489	(0.896)	94213	172.661	37
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	56347	1206.30	48(Q)
	47 2-Hexanone	43	Compound Not Detected.					
	48 Dibromochloromethane	129	Compound Not Detected.					
	49 1,2-Dibromoethane	107	Compound Not Detected.					
*	50 Chlorobenzene-d5	117	9.477	9.477	(1.000)	172026	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	Compound Not Detected.					
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	Compound Not Detected.					
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.050	11.050	(1.166)	22071	113.925	4.6
	59 1,1,2,2-Tetrachloroethane	83	Compound Not Detected.					
	60 1,3-Dichlorobenzene	146	Compound Not Detected.					
*	61 1,4-Dichlorobenzene-d4	152	12.293	12.293	(1.000)	83214	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
$ 63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	67630	113.531	4.5
64 1,2-Dichlorobenzene	146	Compound Not Detected.					
65 1,2-Dibromo-3-chloropropane	75	Compound Not Detected.					
66 1,2,4-Trichlorobenzene	180	Compound Not Detected.					
67 1,2,3-Trichlorobenzene	180	Compound Not Detected.					

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
R - Spike/Surrogate failed recovery limits.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22183-7
Client Smp ID: MW-20D_050214
Inj Date : 13-MAY-2014 17:27
Operator : JSW Inst ID: D.i
Smp Info : 200-22183-C-7
Misc Info : 5.3,5
Comment :
Method : /chem/D.i/Dsvr.p/dllesmtr.b/somtr5t.m
Meth Date : 14-May-2014 11:05 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 19
Dil Factor: 5.30000
Integrator: HP RTE Compound Sublist: SOMTrace.sub
Target Version: 3.50
Processing Host: chemsvr6

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

Name	Value	Description
DF	5.30000	Dilution Factor
Uf	1.00000	ng unit correction factor
Vo	25.00000	Sample Volume purged (mL)

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	506261	125.000
* 50 Chlorobenzene-d5	9.477	548438	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	508323	125.000

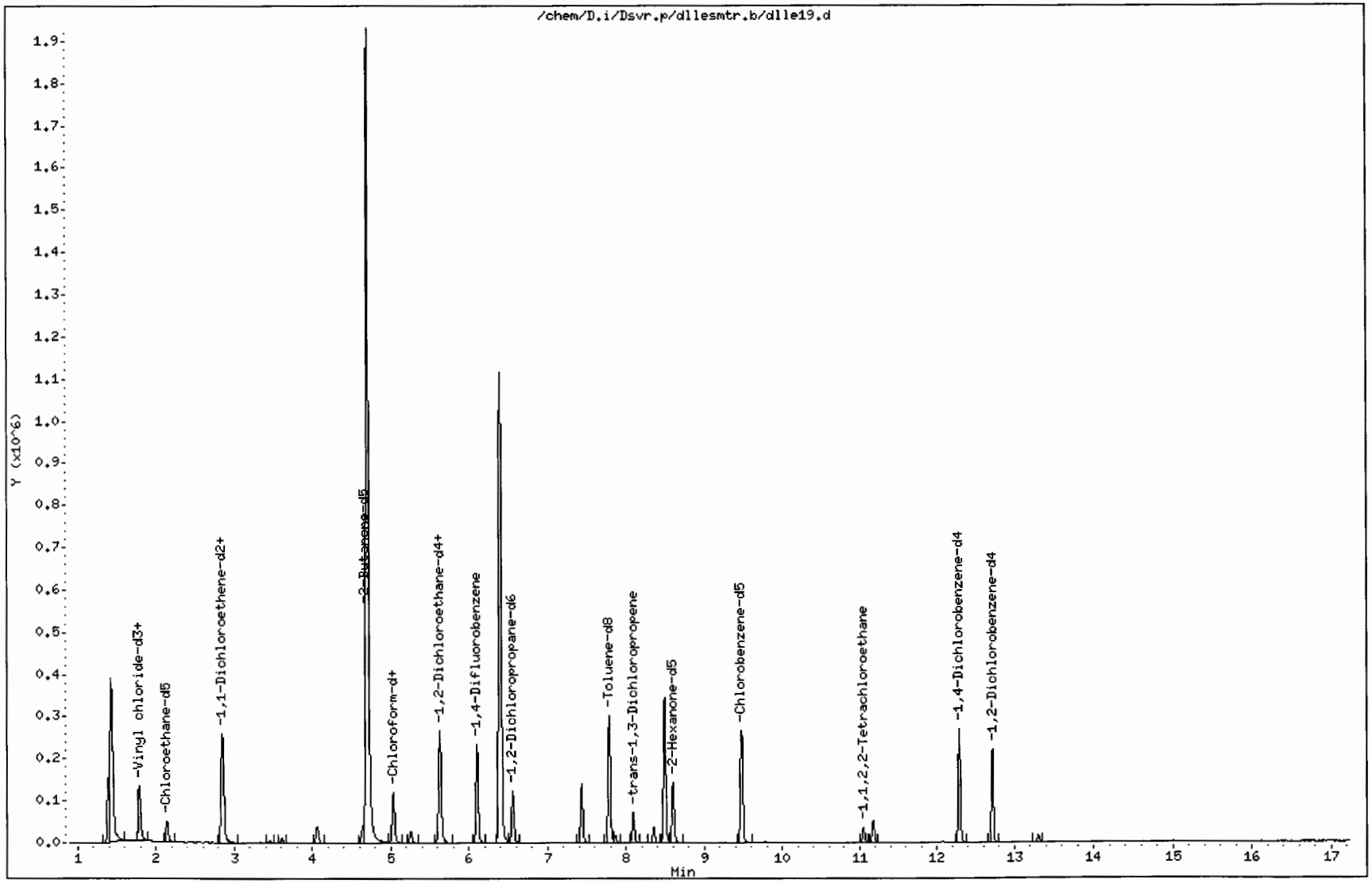
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.642	79034	19.5141138	4.1	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	293054	72.3572090	15	0		0	32
Unknown				CAS #:			
8.349	78206	17.8247402	3.8	0		0	50
Unknown				CAS #:			
11.172	111400	27.3939999	5.8	0		0	61

Data File: /chem/D.i/Dsvr.p/dllesmtr.b/dlle19.d
Date : 13-MAY-2014 17:27
Client ID: MW-20D_050214
Sample Info: 200-22183-C-7
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: JSW
Column diameter: 0.20



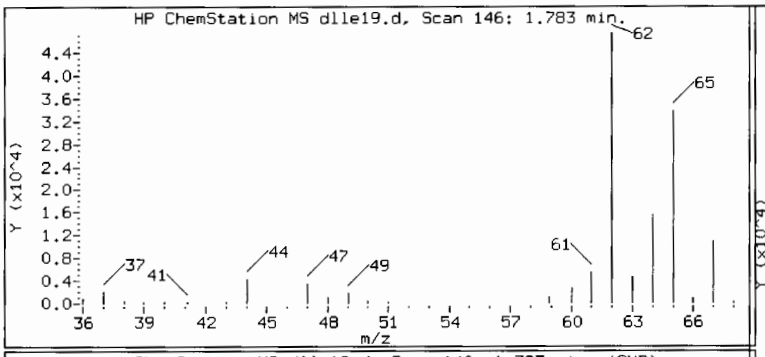
Data File: dlle19.d

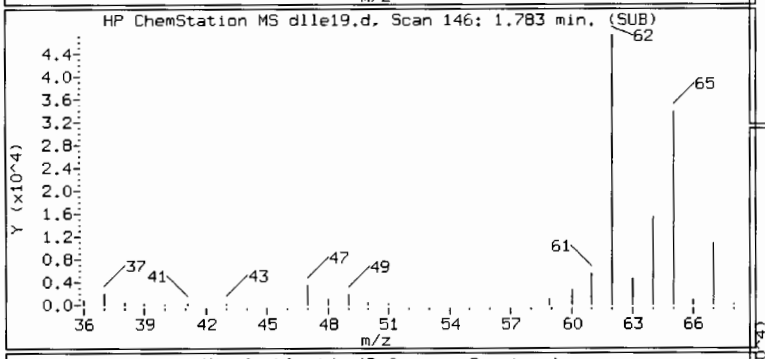
Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

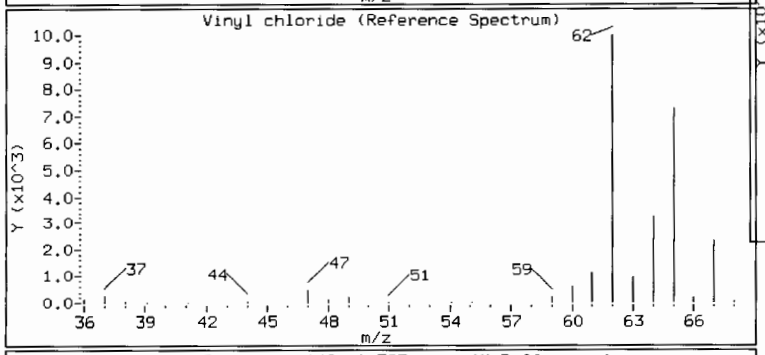
Client ID: MW-20D_050214 Instrument: D.i

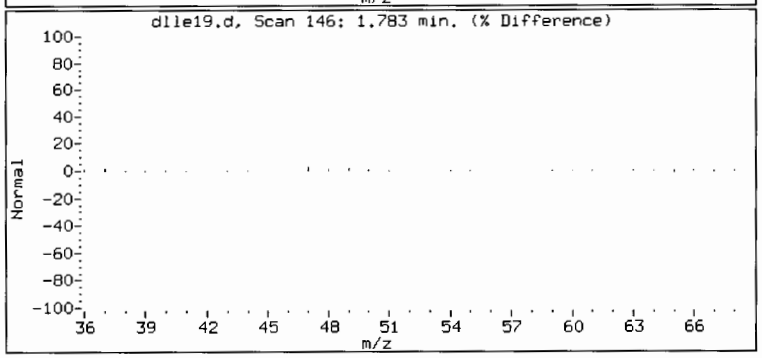
Sample Info: 200-22183-C-7 Operator: JSW

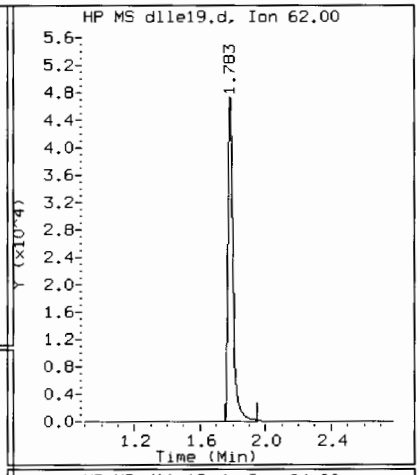
4 Vinyl chloride

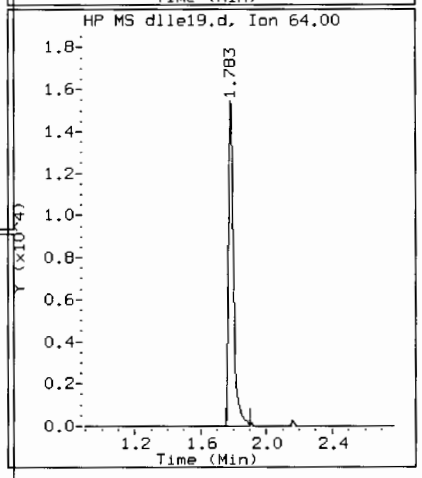












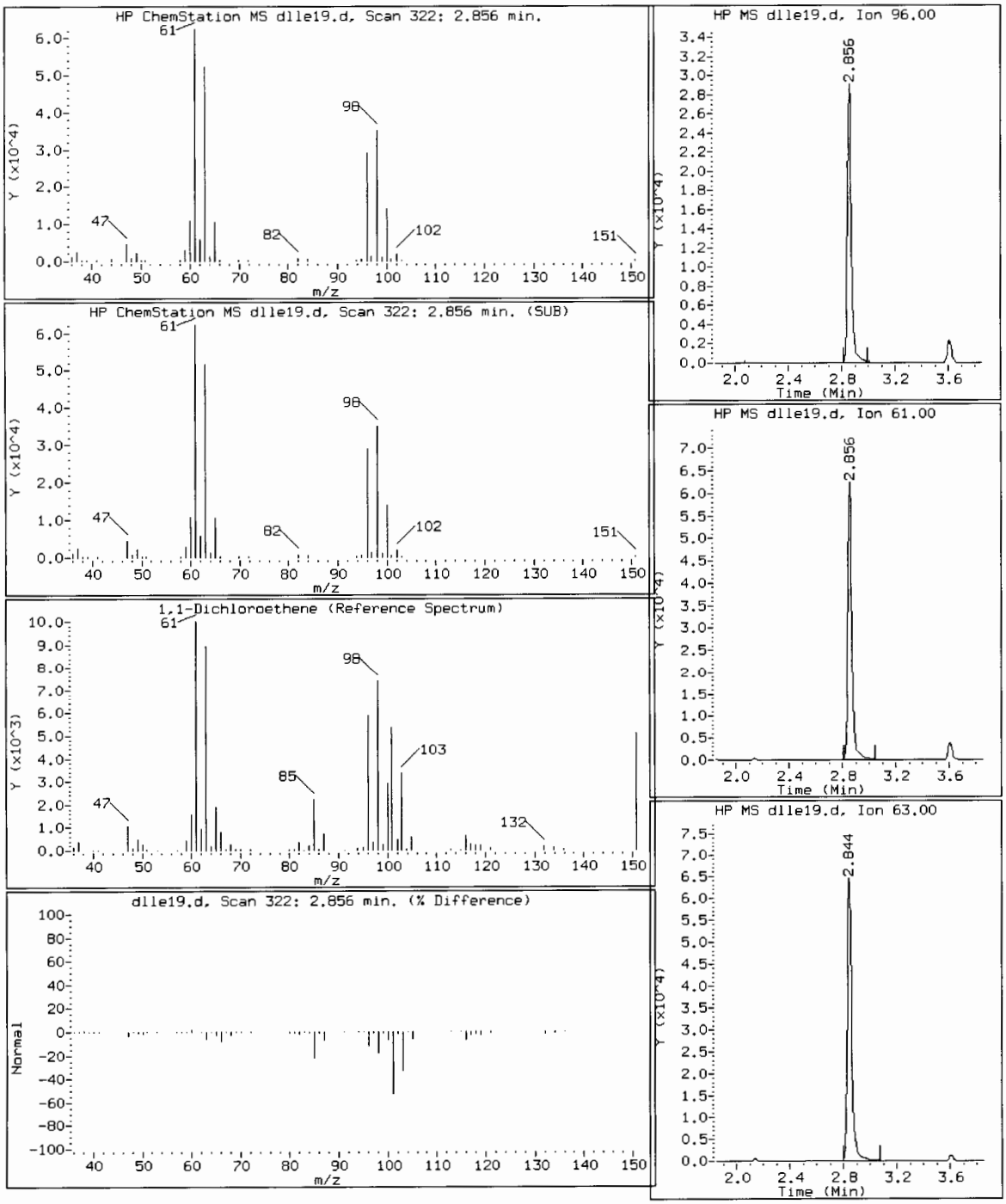
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

10 1,1-Dichloroethene



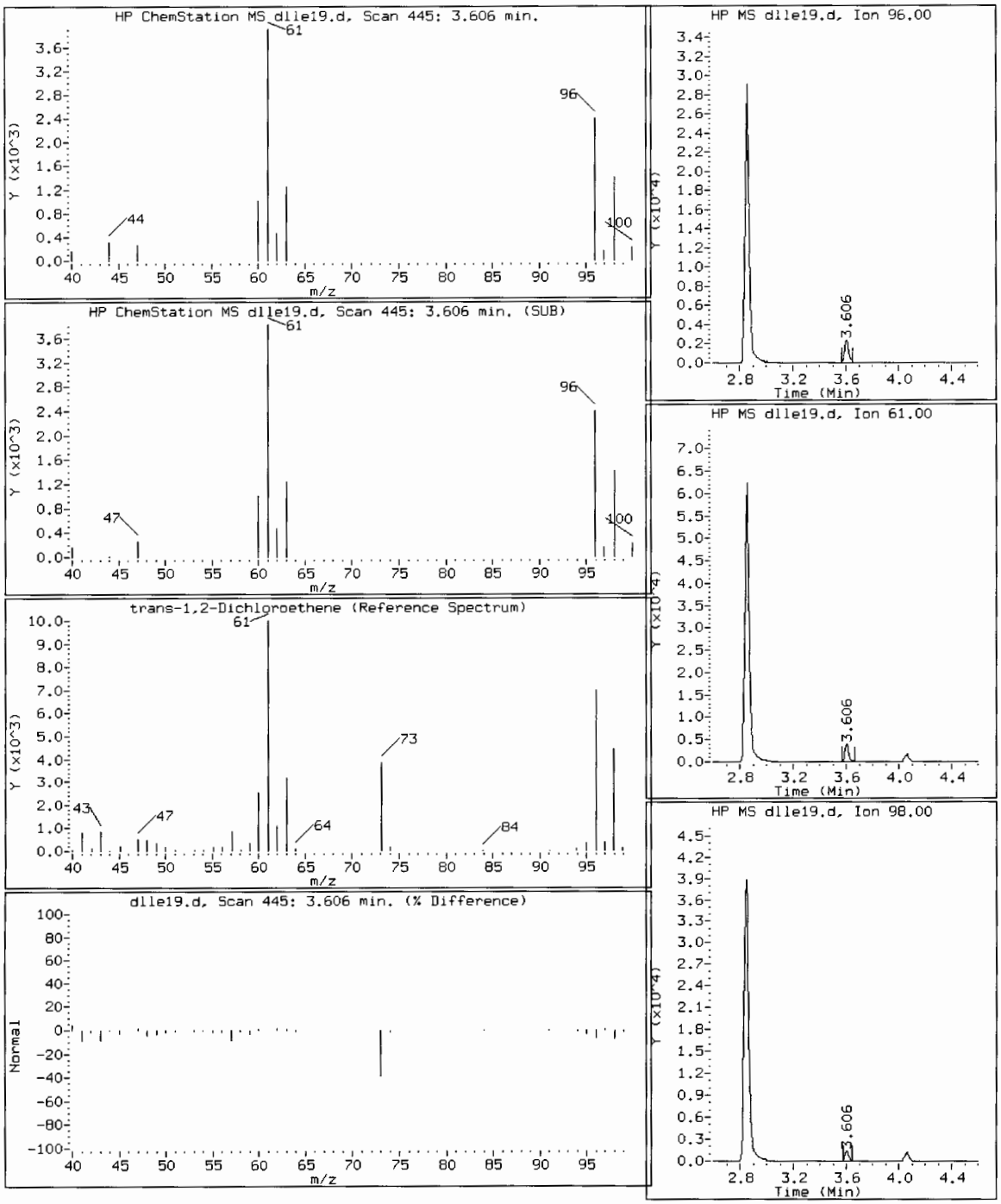
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

16 trans-1,2-Dichloroethene



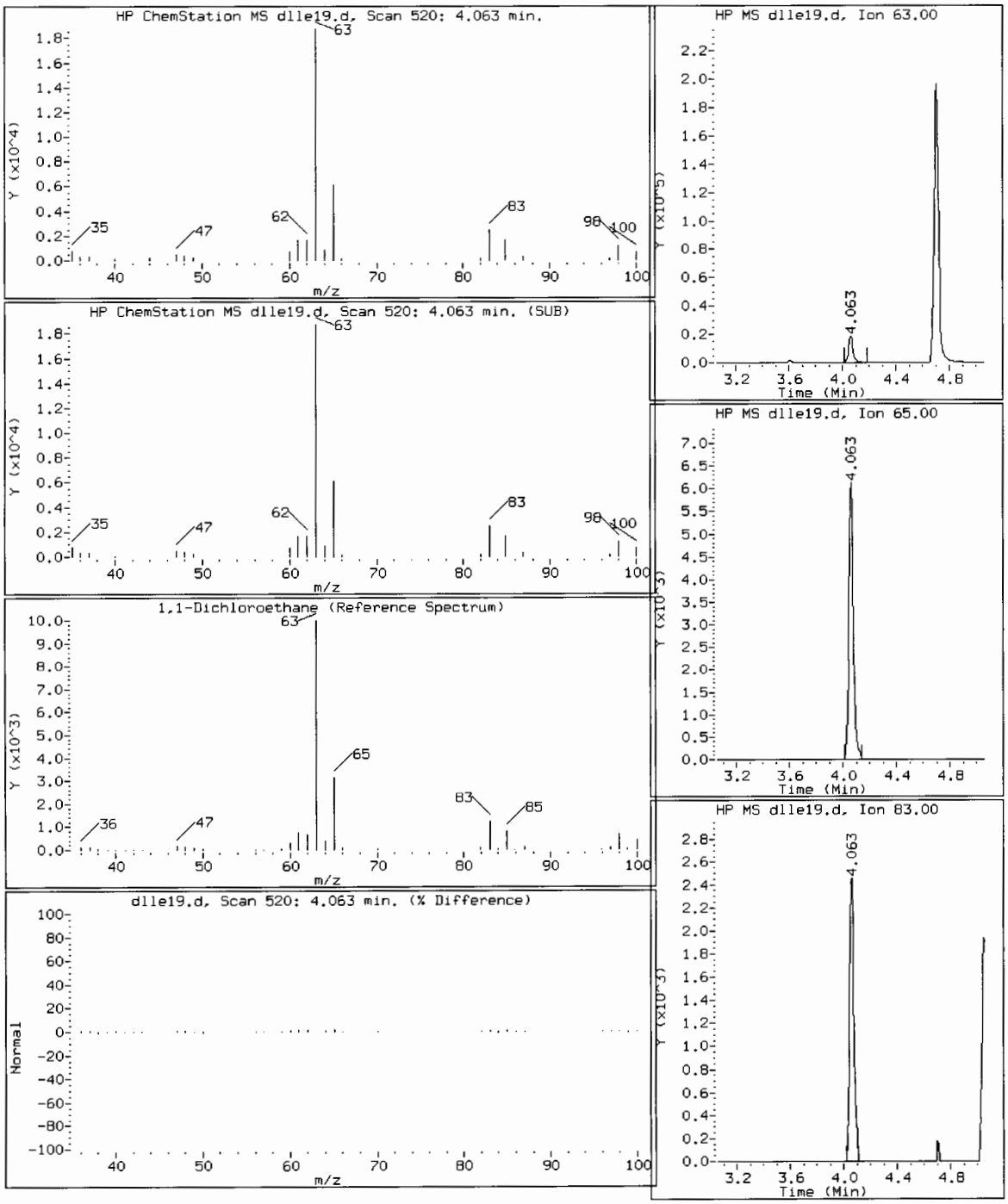
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

18 1,1-Dichloroethane



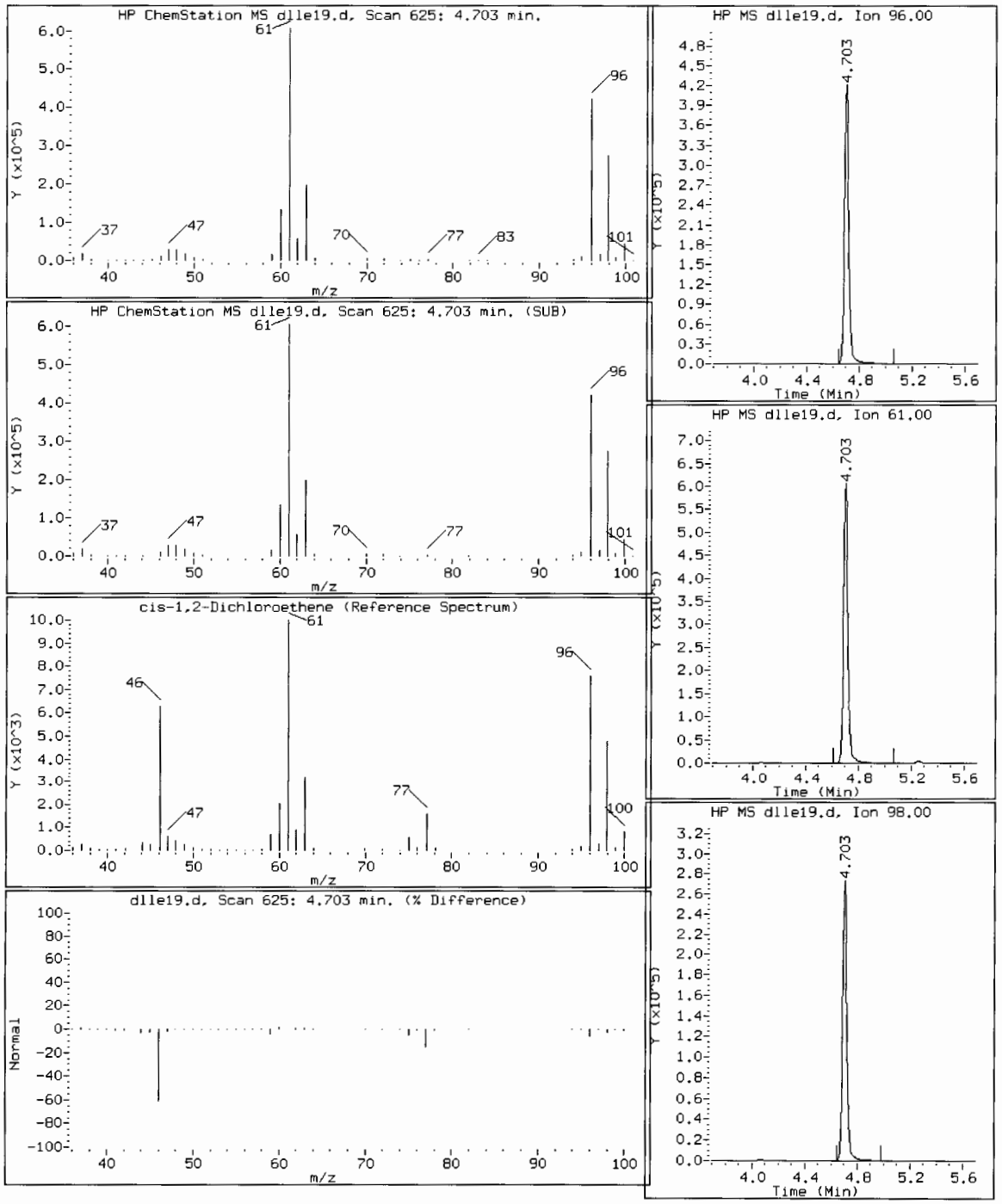
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

20 cis-1,2-Dichloroethene



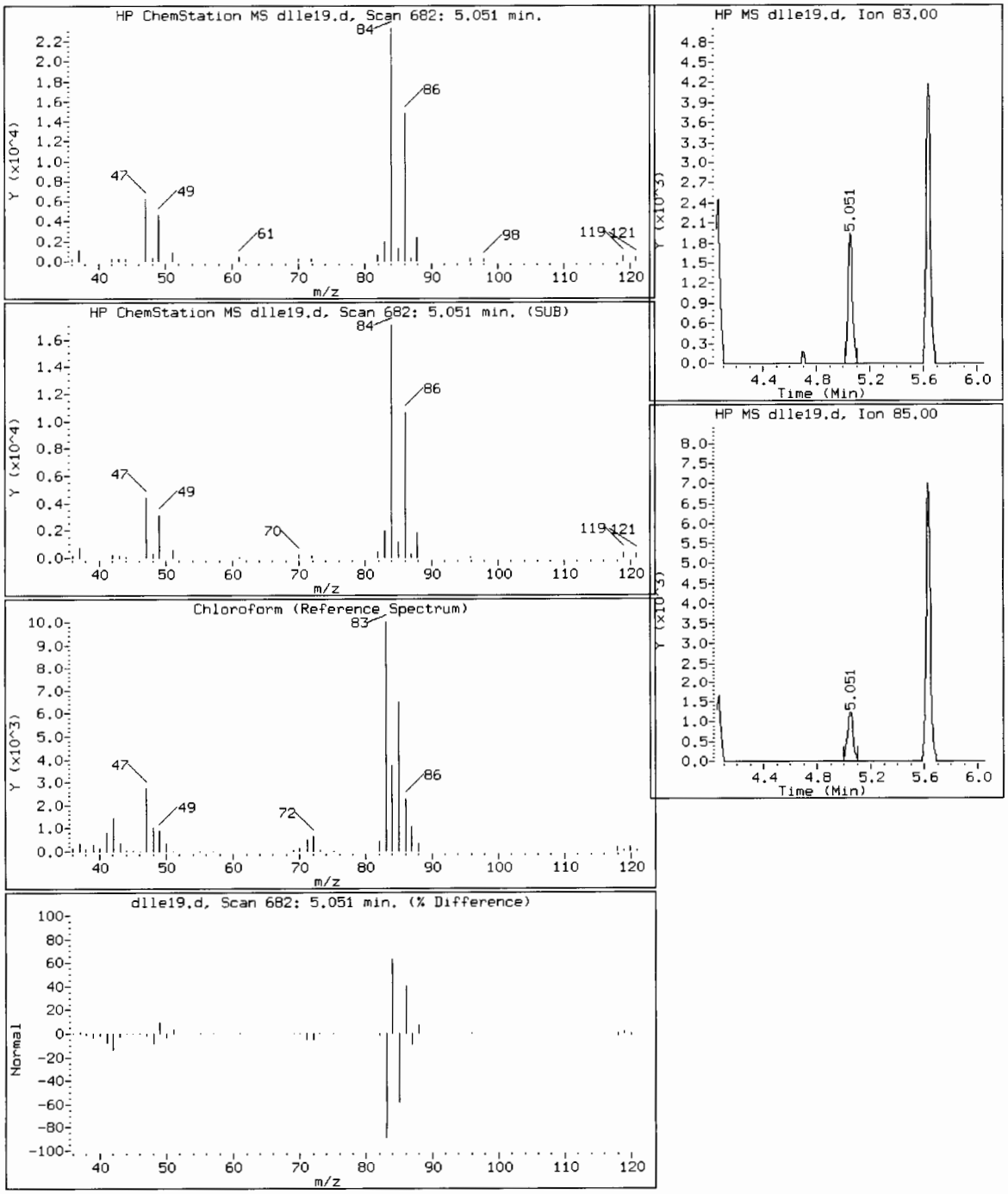
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

24 Chloroform



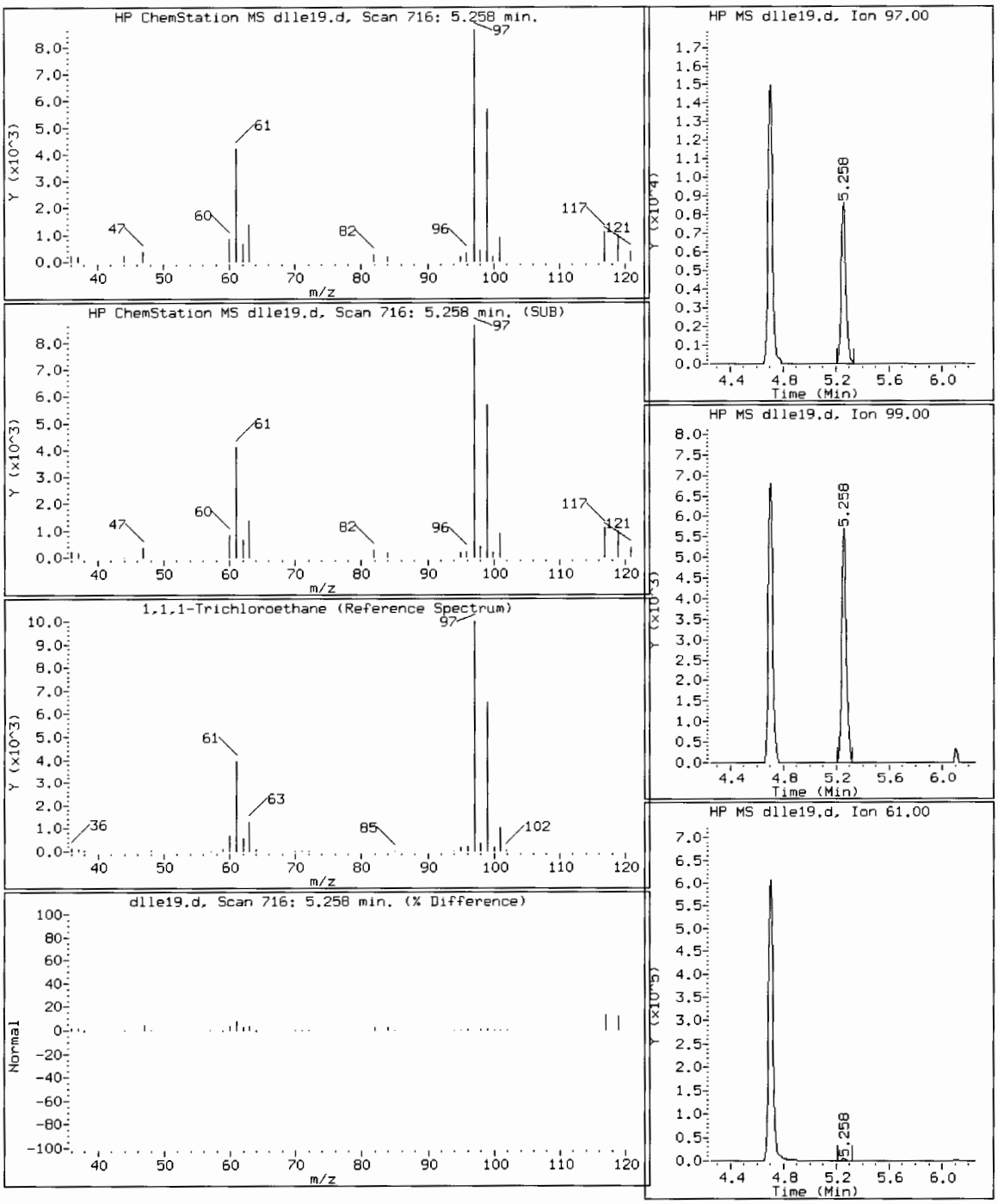
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

25 1,1,1-Trichloroethane



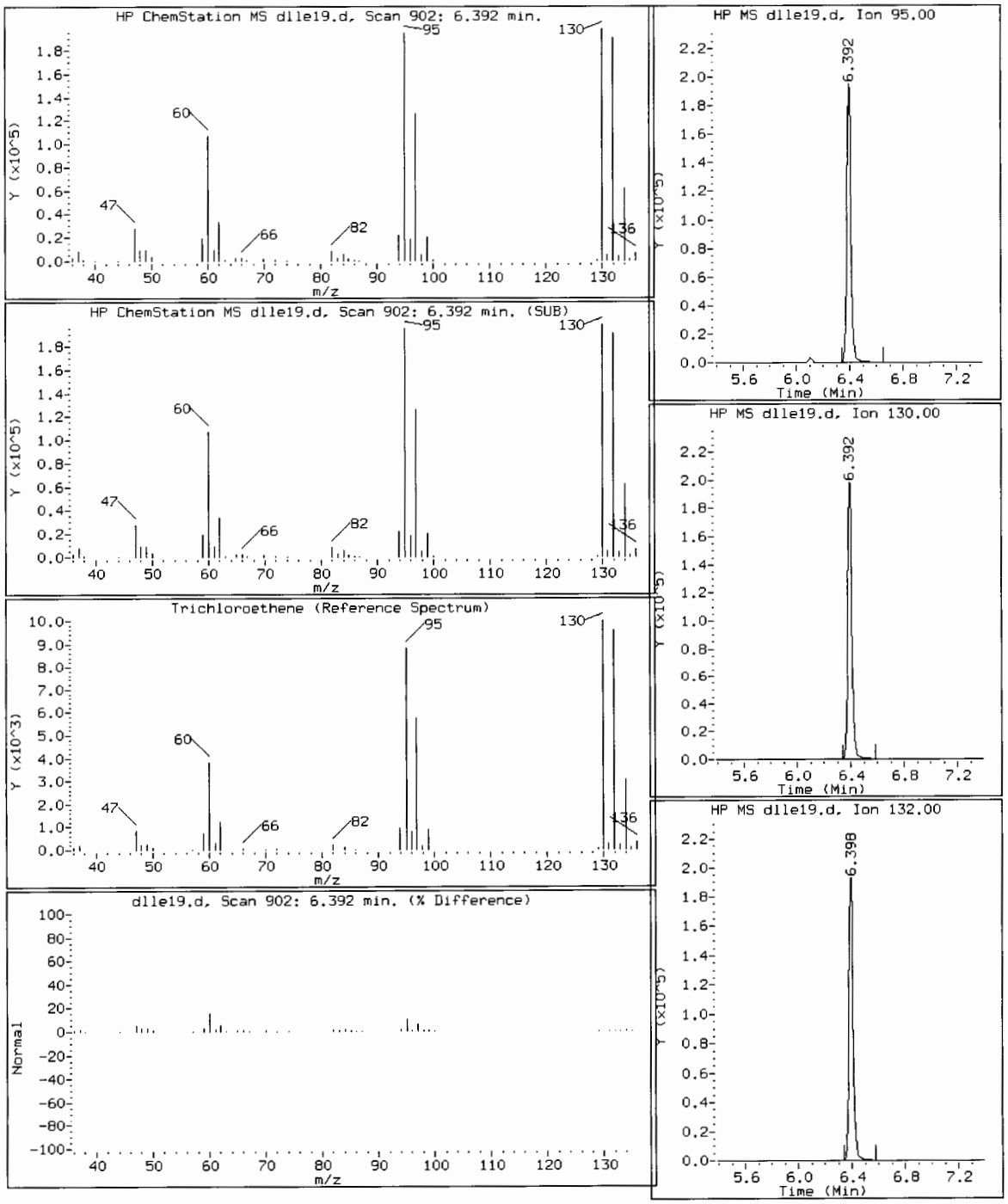
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

33 Trichloroethene



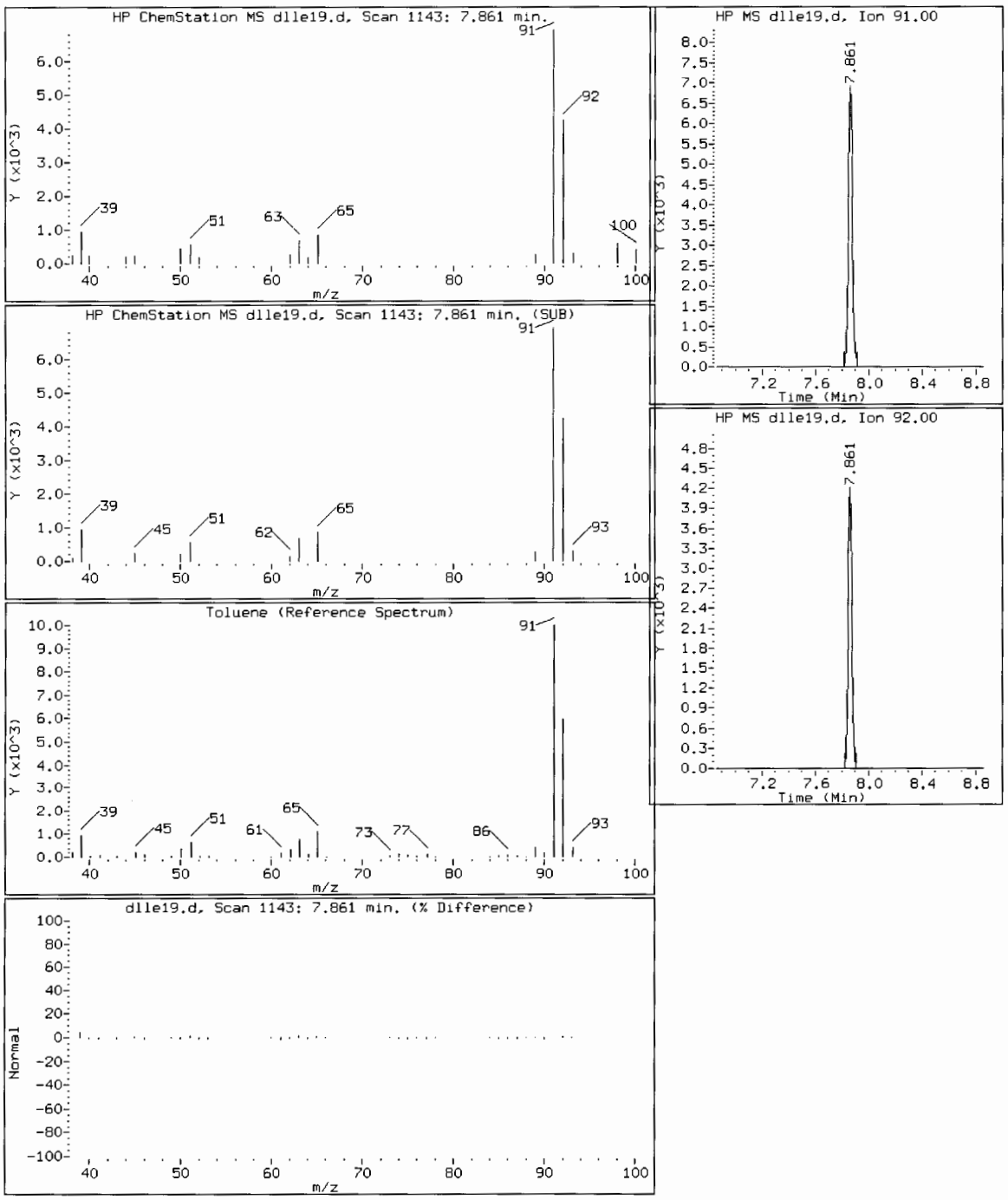
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

41 Toluene



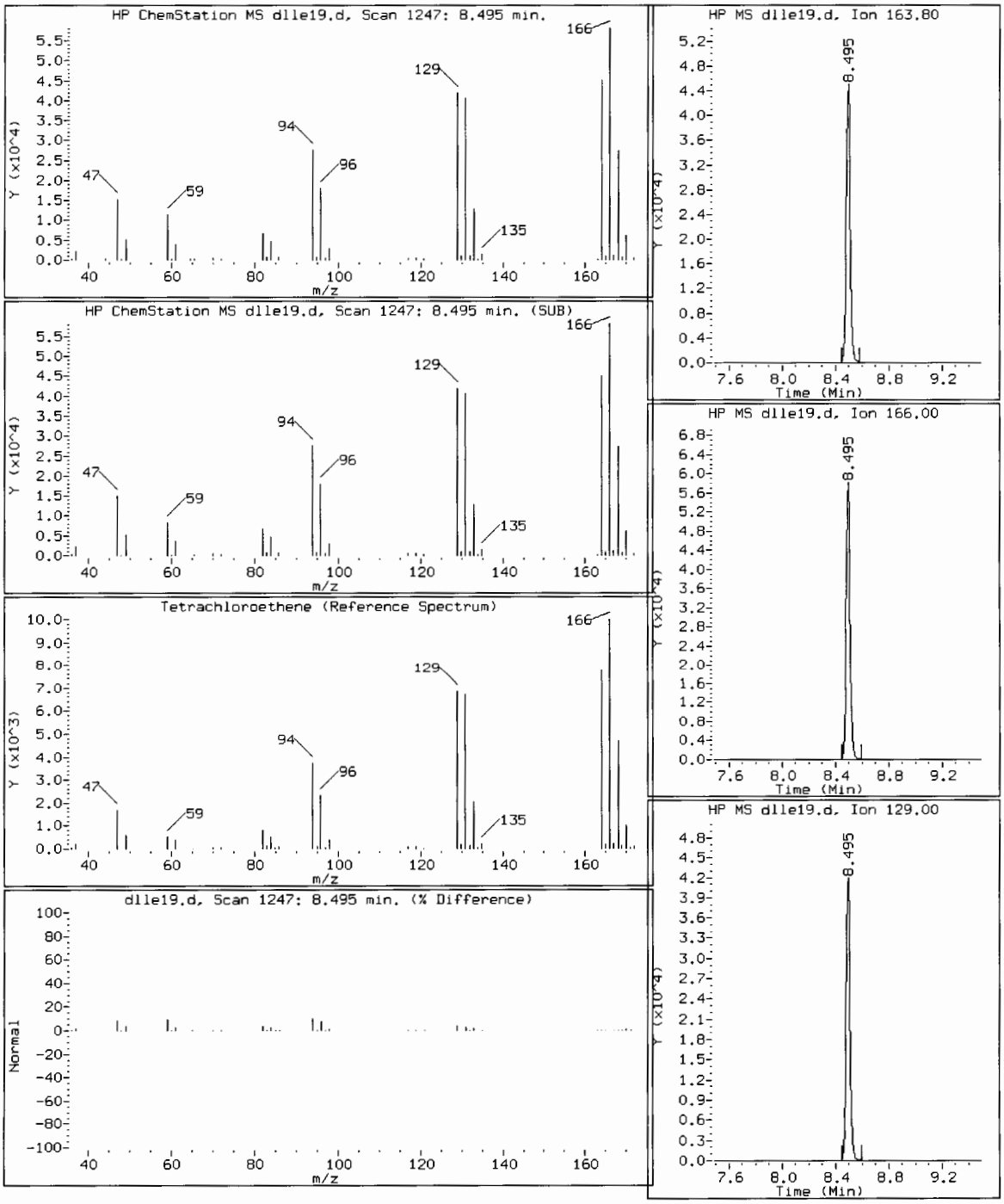
Data File: dlle19.d

Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27

Client ID: MW-20D_050214 Instrument: D.i

Sample Info: 200-22183-C-7 Operator: JSW

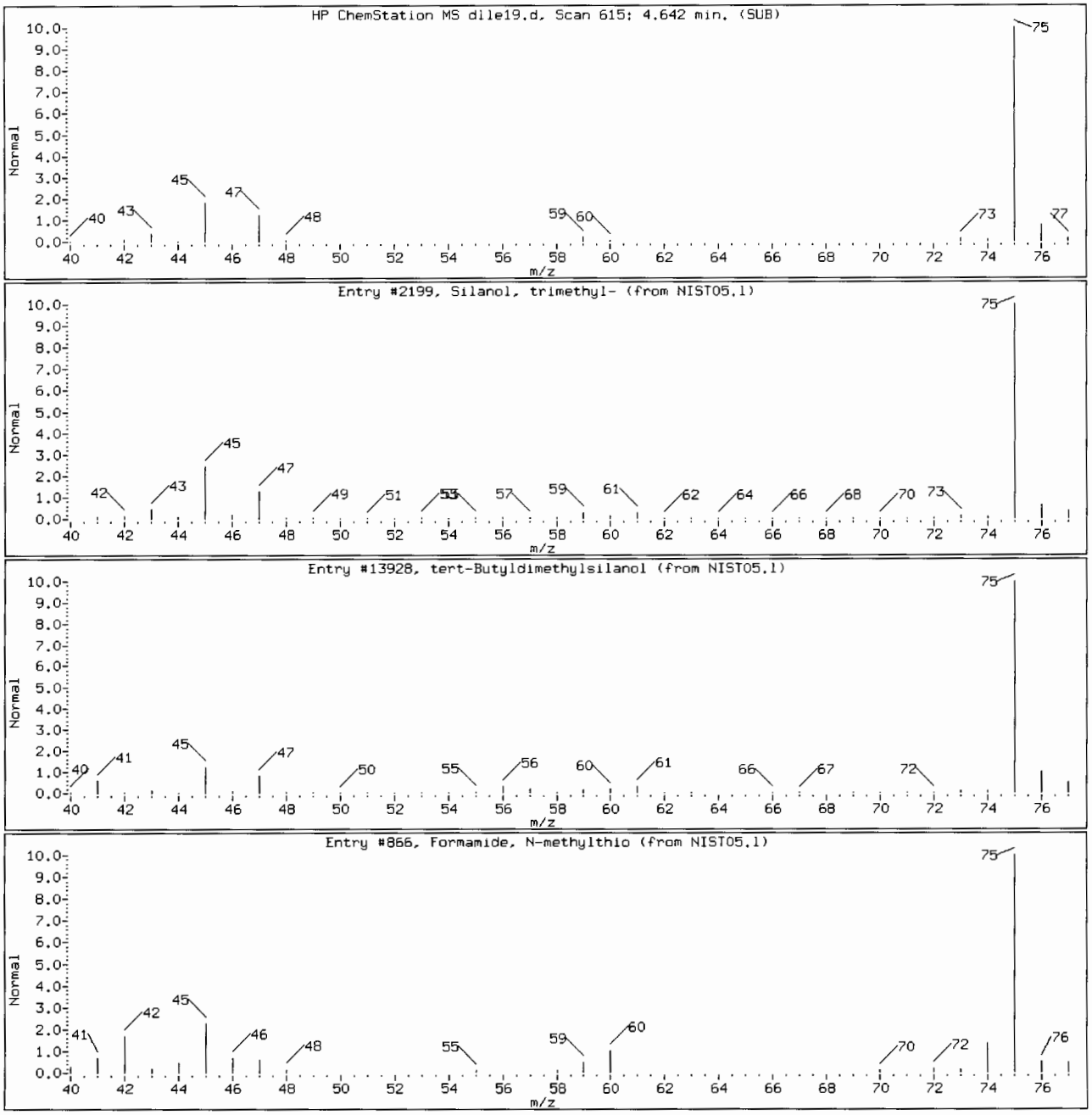
45 Tetrachloroethene



Data File: d11e19.d
Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27
Client ID: MW-20D_050214 Instrument: D.i
Sample Info: 200-22183-C-7 Operator: JSW

Retention Time: 4.64

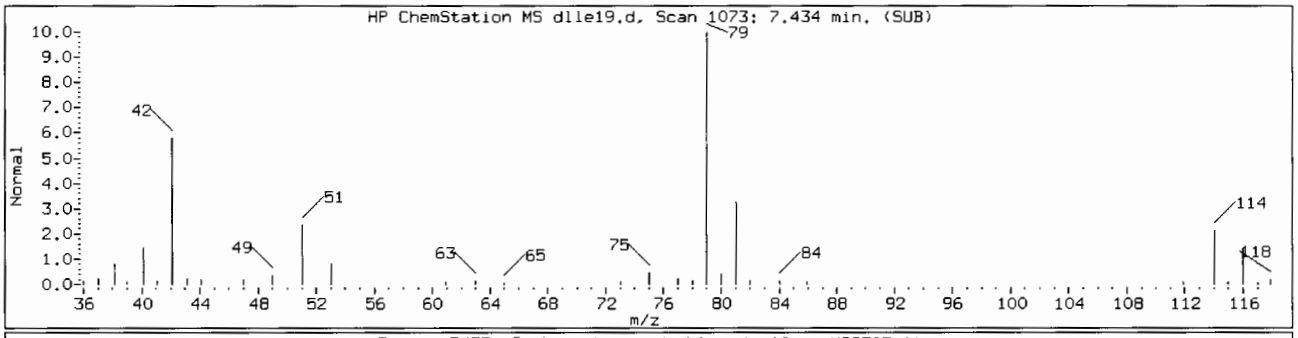
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2199	47	C3H10OSi	90
tert-Butyldimethylsilanol	18173-64-3	NIST05.1	13928	43	C6H16OSi	132
Formamide, N-methylthio	18952-41-5	NIST05.1	866	9	C2H5NS	75

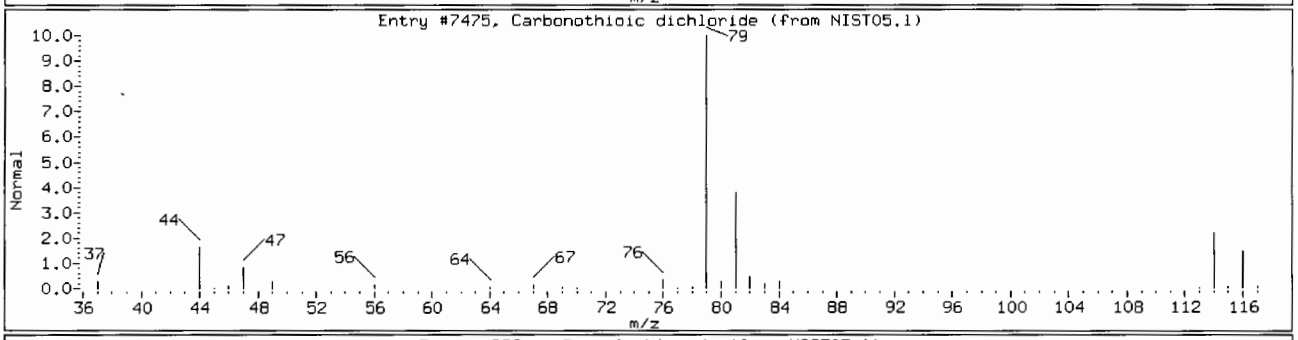


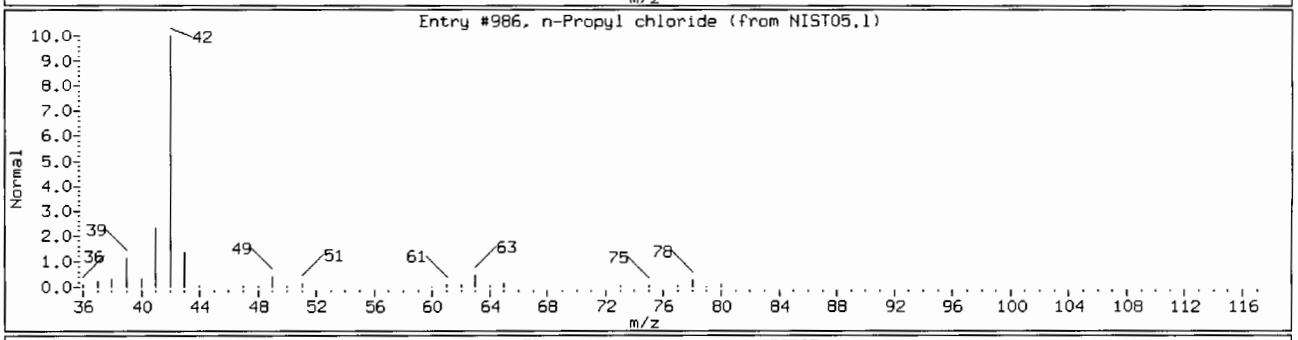
Data File: dlle19.d
Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27
Client ID: MW-20D_050214 Instrument: D.i
Sample Info: 200-22183-C-7 Operator: JSW

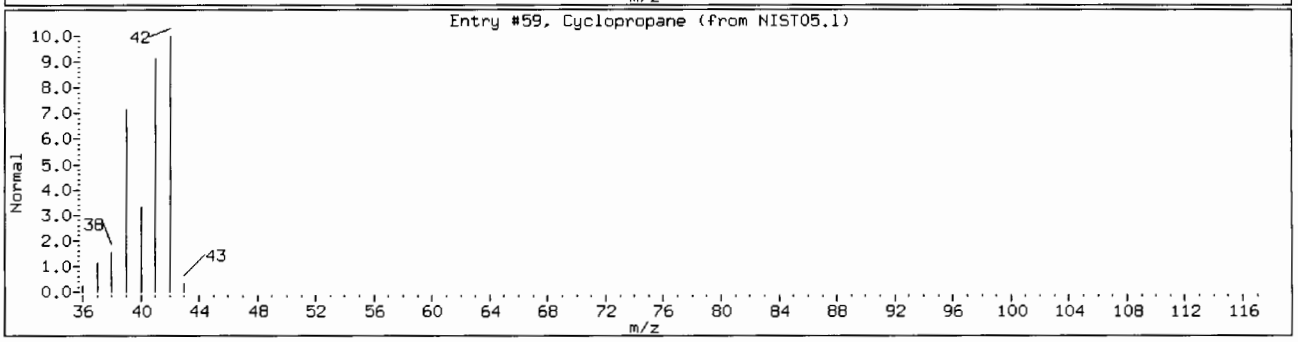
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
n-Propyl chloride	540-54-5	NIST05.1	986	9	C3H7Cl	78
Cyclopropane	75-19-4	NIST05.1	59	9	C3H6	42





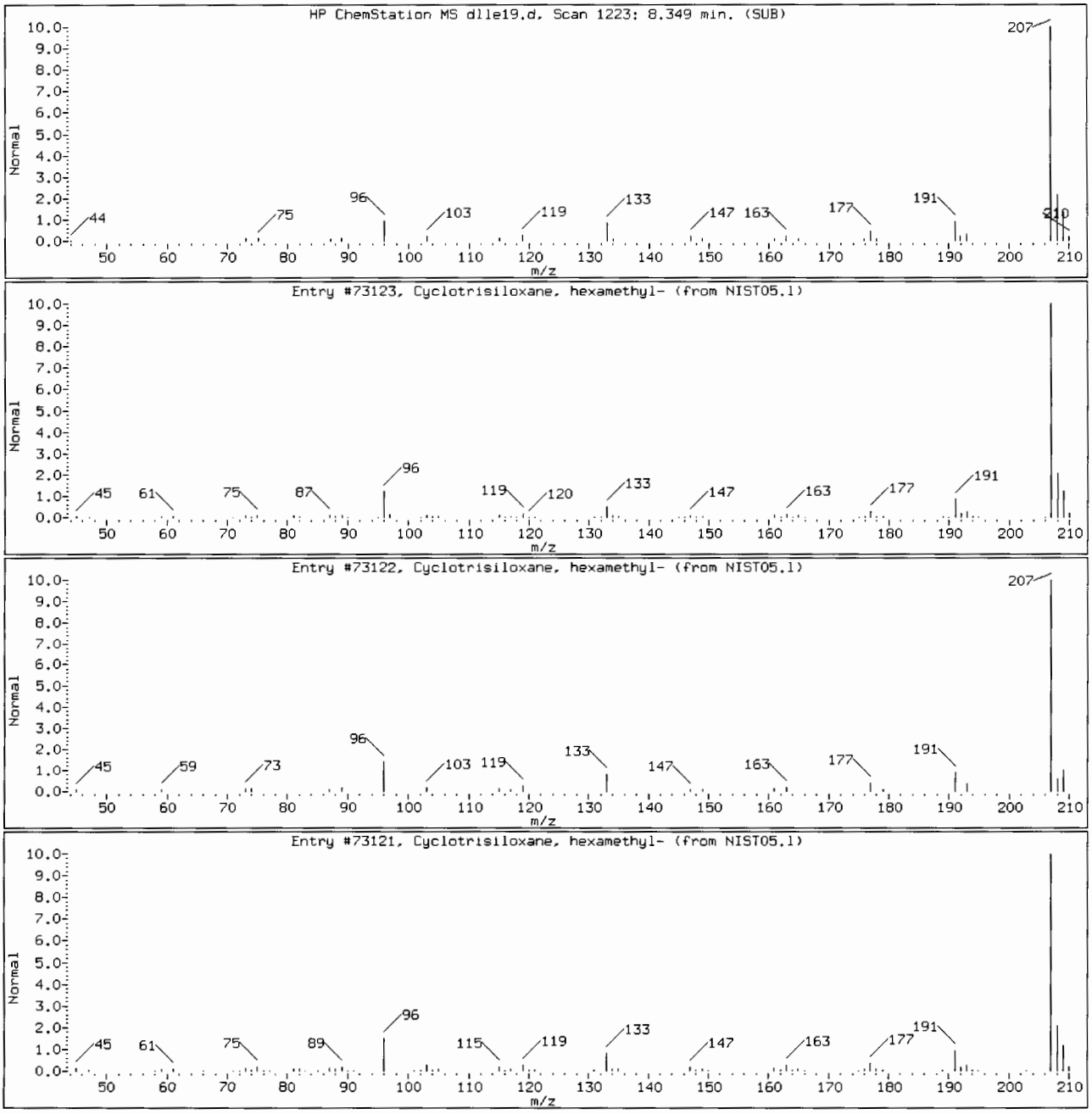




Data File: dlle19.d
Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27
Client ID: MW-20D_050214 Instrument: D.i
Sample Info: 200-22183-C-7 Operator: JSW

Retention Time: 8.35

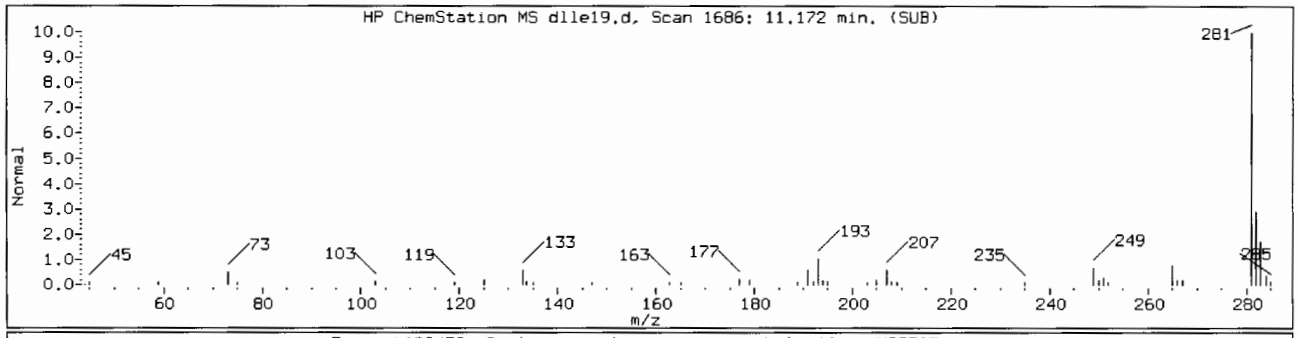
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222

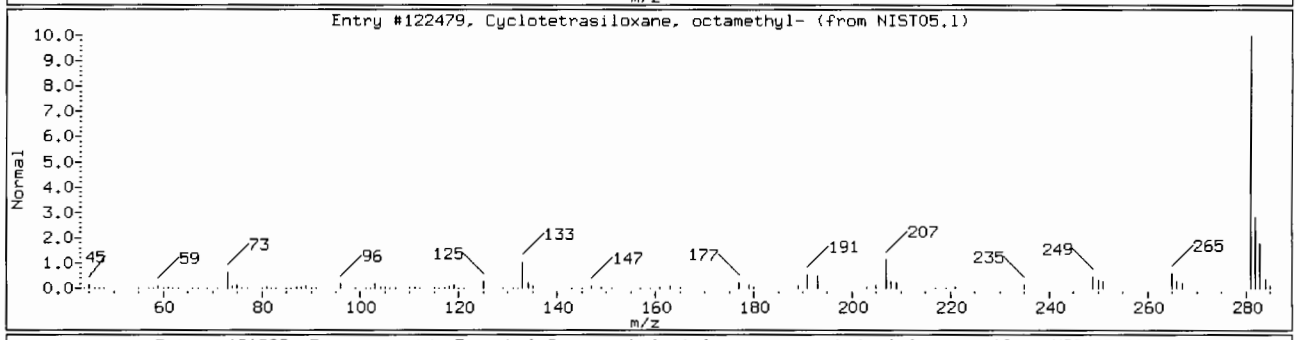


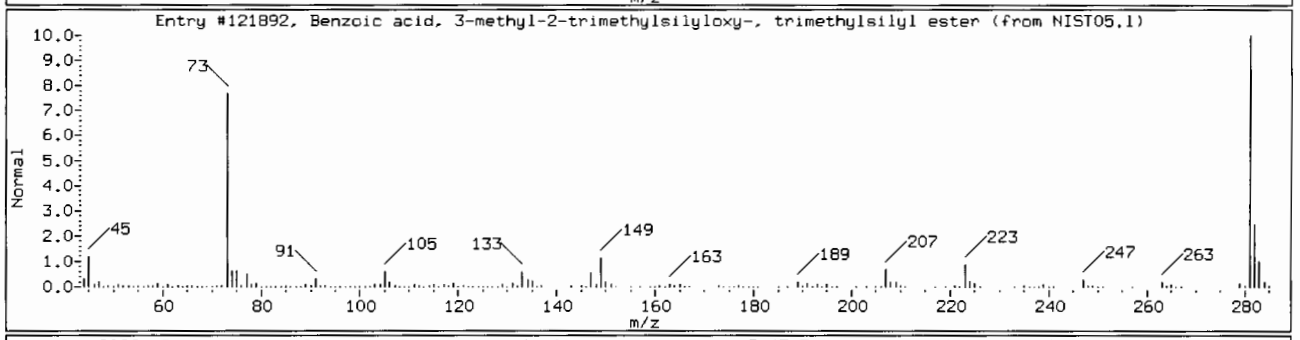
Data File: d11e19.d
Lab Sample ID: 200-22183-7 Date: 13-MAY-2014 17:27
Client ID: MW-20D_050214 Instrument: D.i
Sample Info: 200-22183-C-7 Operator: JSW

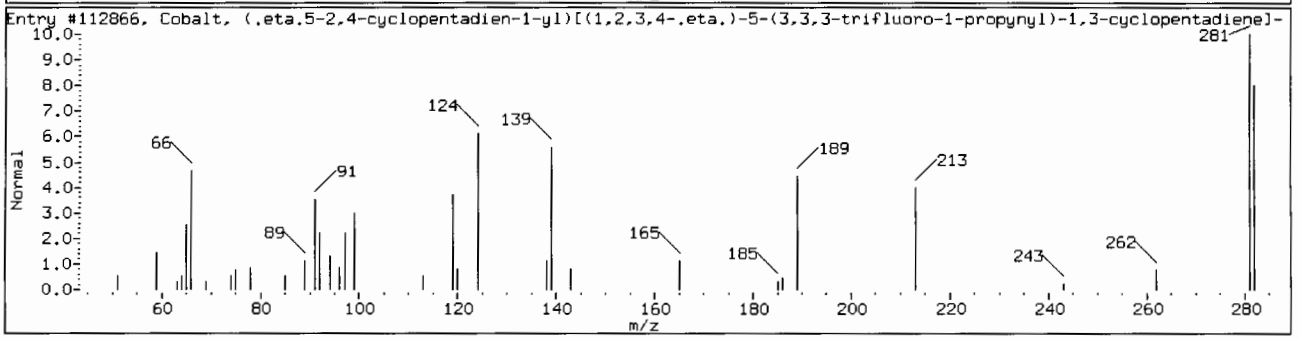
Retention Time: 11.17

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C8H24O4Si4	296
Benzoic acid, 3-methyl-2-trimethyl	1000153-57-1	NIST05.1	121892	59	C14H24O3Si2	296
Cobalt, (.eta.5-2,4-cyclopentadien	55991-82-7	NIST05.1	112866	53	C13H10CoF3	282









FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 DL | Lab Sample ID: 200-22183-7 DL

Matrix: Water | Lab File ID: dlld12.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 17:44

Soil Aliquot Vol: | Dilution Factor: 26

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-71-8	Dichlorodifluoromethane	13	U	13	1.9
74-87-3	Chloromethane	13	U	13	1.6
75-01-4	Vinyl chloride	27	D	13	1.7
74-83-9	Bromomethane	13	U	13	1.8
75-00-3	Chloroethane	13	U	13	2.4
75-69-4	Trichlorofluoromethane	13	U	13	2.6
75-35-4	1,1-Dichloroethene	26	D	13	0.96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	13	U	13	0.99
67-64-1	Acetone	130	U	130	24
75-15-0	Carbon disulfide	13	U	13	1.3
79-20-9	Methyl acetate	13	U	13	3.6
75-09-2	Methylene chloride	13	U	13	1.8
156-60-5	trans-1,2-Dichloroethene	2.2	J D	13	1.2
1634-04-4	Methyl tert-butyl ether	13	U	13	1.6
75-34-3	1,1-Dichloroethane	8.9	J D	13	2.0
156-59-2	cis-1,2-Dichloroethene	340	D	13	1.4
78-93-3	2-Butanone	130	U	130	23
74-97-5	Bromochloromethane	13	U	13	1.9
67-66-3	Chloroform	13	U	13	2.1
71-55-6	1,1,1-Trichloroethane	4.2	J D	13	2.0
110-82-7	Cyclohexane	13	U	13	1.7
56-23-5	Carbon tetrachloride	13	U	13	1.7
71-43-2	Benzene	13	U	13	1.7
107-06-2	1,2-Dichloroethane	13	U	13	2.3
79-01-6	Trichloroethene	140	D	13	2.1
108-87-2	Methylcyclohexane	13	U	13	2.0
78-87-5	1,2-Dichloropropane	13	U	13	1.8
75-27-4	Bromodichloromethane	13	U	13	1.6
10061-01-5	cis-1,3-Dichloropropene	13	U	13	1.6
108-10-1	4-Methyl-2-pentanone	130	U	130	21
108-88-3	Toluene	13	U	13	1.8
10061-02-6	trans-1,3-Dichloropropene	13	U	13	5.7
79-00-5	1,1,2-Trichloroethane	13	U	13	2.3
127-18-4	Tetrachloroethene	31	D	13	2.0
591-78-6	2-Hexanone	130	U	130	25

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington | Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 DL | Lab Sample ID: 200-22183-7 DL

Matrix: Water | Lab File ID: dlld12.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) | Date Analyzed: 05/12/2014 17:44

Soil Aliquot Vol: | Dilution Factor: 26

Soil Extract Vol.: | GC Column: DB-624 ID: 0.2(mm)

% Moisture: | Level: (low/med) Trace

Analysis Batch No.: 72030 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	13	U	13	1.7
106-93-4	1,2-Dibromoethane	13	U	13	1.5
108-90-7	Chlorobenzene	13	U	13	1.6
100-41-4	Ethylbenzene	13	U	13	1.5
95-47-6	o-Xylene	13	U	13	1.7
179601-23-1	m,p-Xylene	13	U	13	1.8
100-42-5	Styrene	13	U	13	1.6
75-25-2	Bromoform	13	U	13	2.2
98-82-8	Isopropylbenzene	13	U	13	1.5
79-34-5	1,1,2,2-Tetrachloroethane	13	U	13	2.4
541-73-1	1,3-Dichlorobenzene	13	U	13	1.7
106-46-7	1,4-Dichlorobenzene	13	U	13	1.5
95-50-1	1,2-Dichlorobenzene	13	U	13	1.9
96-12-8	1,2-Dibromo-3-chloropropane	13	U	13	4.2
120-82-1	1,2,4-Trichlorobenzene	13	U	13	1.7
87-61-6	1,2,3-Trichlorobenzene	13	U	13	2.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
6745-35-3	Vinyl chloride-d3	117	D	65-131
19199-91-8	Chloroethane-d5	124	D	71-131
22280-73-5	1,1-Dichloroethene-d2	95	D	55-104
24313-50-6	2-Butanone-d5	109	D	49-155
865-49-6	Chloroform-d	109	D	78-121
17060-07-0	1,2-Dichloroethane-d4	127	D	78-129
1076-43-3	Benzene-d6	106	D	77-124
93952-08-0	1,2-Dichloropropane-d6	91	D	79-124
2037-26-5	Toluene-d8	104	D	77-121
93951-86-1	trans-1,3-Dichloropropene-d4	98	D	73-121
4840-82-8	2-Hexanone-d5	106	D	28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	99	D	73-125
2199-69-1	1,2-Dichlorobenzene-d4	98	D	80-131

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 DL Lab Sample ID: 200-22183-7 DL

Matrix: Water Lab File ID: d11d12.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 17:44

Soil Aliquot Vol: Dilution Factor: 26

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

Number TICs Found: 1 TIC Result Total: 81

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	81	B D J

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Burlington Job No.: 200-22132-1

SDG No.: 200-22132

Client Sample ID: MW-20D_050214 DL Lab Sample ID: 200-22183-7 DL

Matrix: Water Lab File ID: dlld12.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/02/2014 10:52

Sample wt/vol: 25(mL) Date Analyzed: 05/12/2014 17:44

Soil Aliquot Vol: Dilution Factor: 26

Soil Extract Vol.: GC Column: DB-624 ID: 0.2(mm)

% Moisture: Level: (low/med) Trace

Analysis Batch No.: 72030 Units: ug/L

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Total Alkanes			