TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22132-6
Client Smp ID: VHBLK01
Inj Date : 14-MAY-2014 13:12
Operator : MTP Inst ID: D.i
Smp Info : 200-22132-B-6
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dlmsmtr.b/somtr5t.m
Meth Date : 14-May-2014 14:48 wilburj Quant Type: ISTD
Cal Date : 14-MAY-2014 09:25 Cal File: dlm06.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	1.777	(0.291)	63049	138.524	5.5
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.137	(0.350)	51551	130.016	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.844	(0.465)	108979	97.6795	3.9
	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	Compound Not Detected.					
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.679	(0.766)	75486	1303.36	52
	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	5.032	(0.824)	113859	122.996	4.9(Q)
	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	5.612	5.612	(0.919)	49692	128.165	5.1
$	29 Benzene-d6	84	5.630	5.630	(0.594)	244133	129.446	5.2
	30 Benzene	78	Compound Not Detected.					
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.105	(1.000)	201255	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	59520	108.621	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)	245064	129.550	5.2
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	50181	127.502	5.1
	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)	56657	1349.98	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)	163981	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)	22537	118.319	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)	79817	125.000	(Q)
	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)	68695	122.467	4.9
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

Q - Qualifier signal failed the ratio test.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22132-6
Client Smp ID: VHBLK01
Inj Date : 14-MAY-2014 13:12
Operator : MTP Inst ID: D.i
Smp Info : 200-22132-B-6
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dlmsmtr.b/somtr5t.m
Meth Date : 14-May-2014 14:48 wilburj Quant Type: ISTD
Cal Date : 14-MAY-2014 09:25 Cal File: dlm06.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	481984	125.000
* 50 Chlorobenzene-d5	9.477	521348	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	485013	125.000

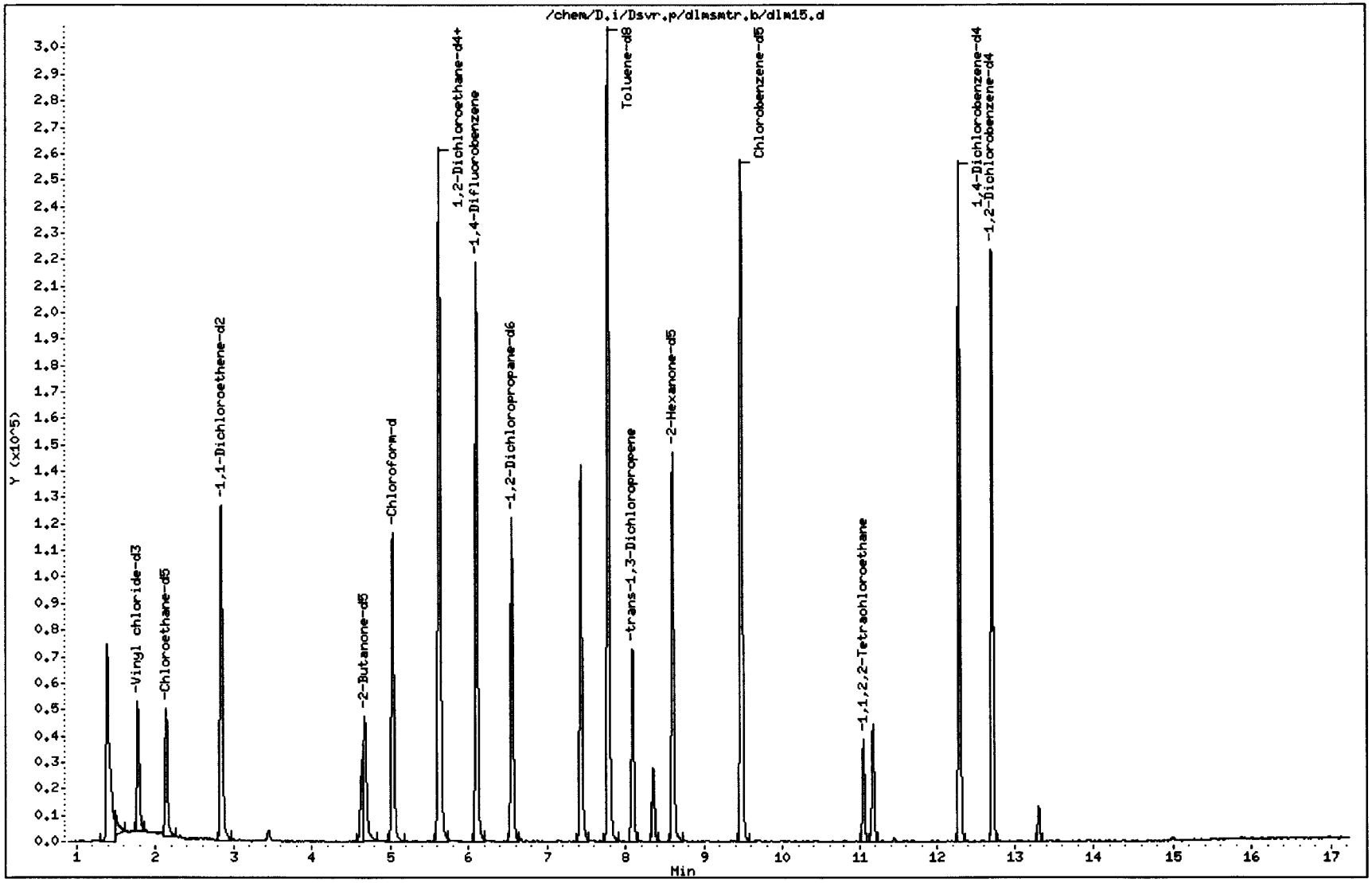
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
4.636	62428	16.1903594	0.65	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	301440	78.1767968	3.1	0		0	32
Unknown				CAS #:			
8.349	64918	15.5647928	0.62	0		0	50
Unknown				CAS #:			
11.172	93357	24.0604267	0.96	0		0	61

Data File: /chem/D.i/Dsvr.p/dlmsmtr.b/dlm15.d
Date : 14-MAY-2014 13:12
Client ID: VHBLK01
Sample Info: 200-22132-B-6
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

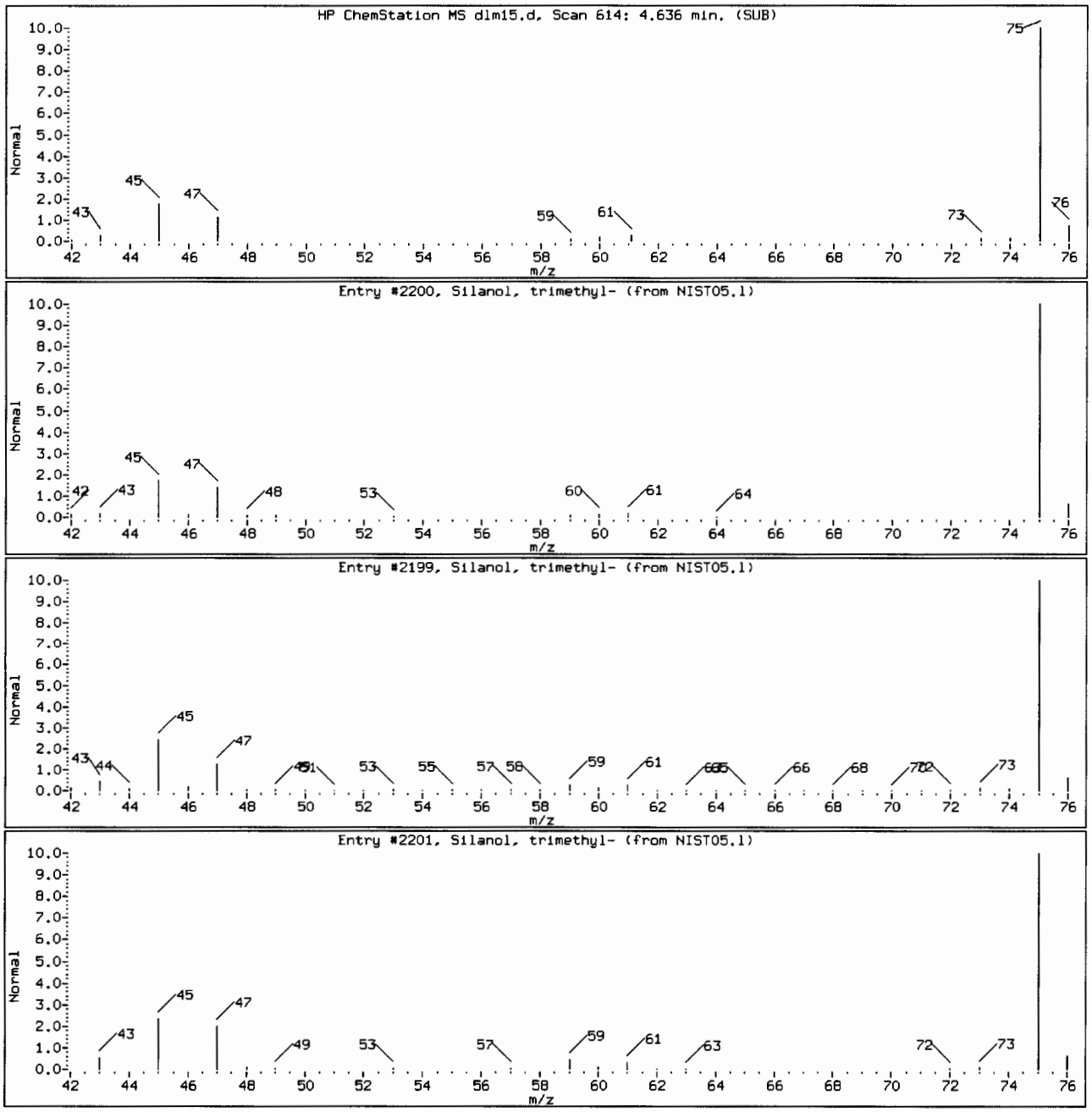
Operator: MTP
Column diameter: 0.20



Data File: dlm15.d
Lab Sample ID: 200-22132-6 Date: 14-MAY-2014 13:12
Client ID: VHBLK01 Instrument: D.i
Sample Info: 200-22132-B-6 Operator: MTP

Retention Time: 4.64

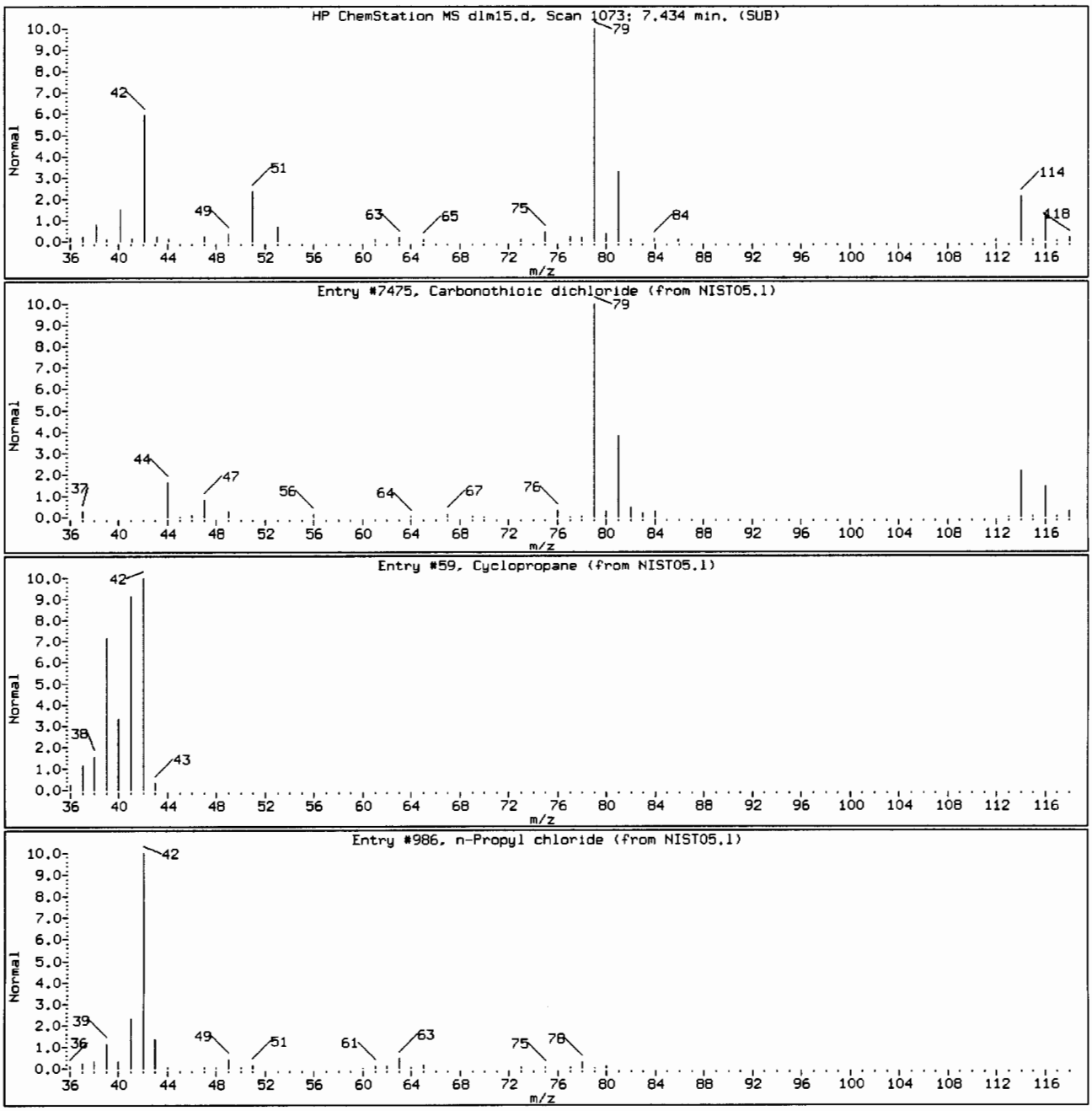
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Silanol, trimethyl-	1066-40-6	NIST05.1	2200	83	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2199	74	C3H10OSi	90
Silanol, trimethyl-	1066-40-6	NIST05.1	2201	9	C3H10OSi	90



Data File: dlm15.d
Lab Sample ID: 200-22132-6 Date: 14-MAY-2014 13:12
Client ID: VHBLK01 Instrument: D.i
Sample Info: 200-22132-B-6 Operator: MTP

Retention Time: 7.43

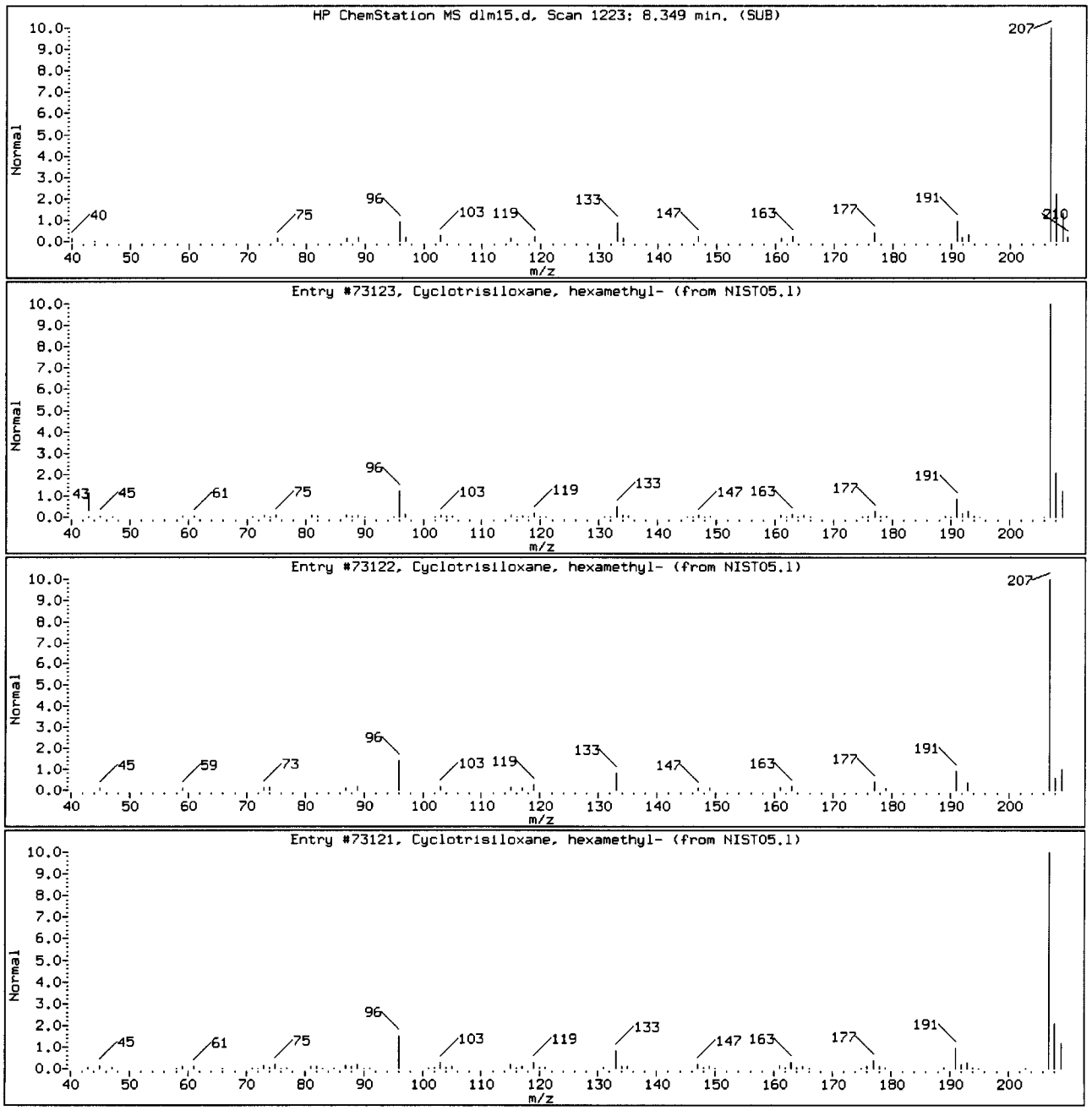
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	49	CCl2S	114
Cyclopropane	75-19-4	NIST05.1	59	9	C3H6	42
n-Propyl chloride	540-54-5	NIST05.1	986	9	C3H7Cl	78



Data File: dlm15.d
Lab Sample ID: 200-22132-6 Date: 14-MAY-2014 13:12
Client ID: VHBLK01 Instrument: D.i
Sample Info: 200-22132-B-6 Operator: MTP

Retention Time: 8.35

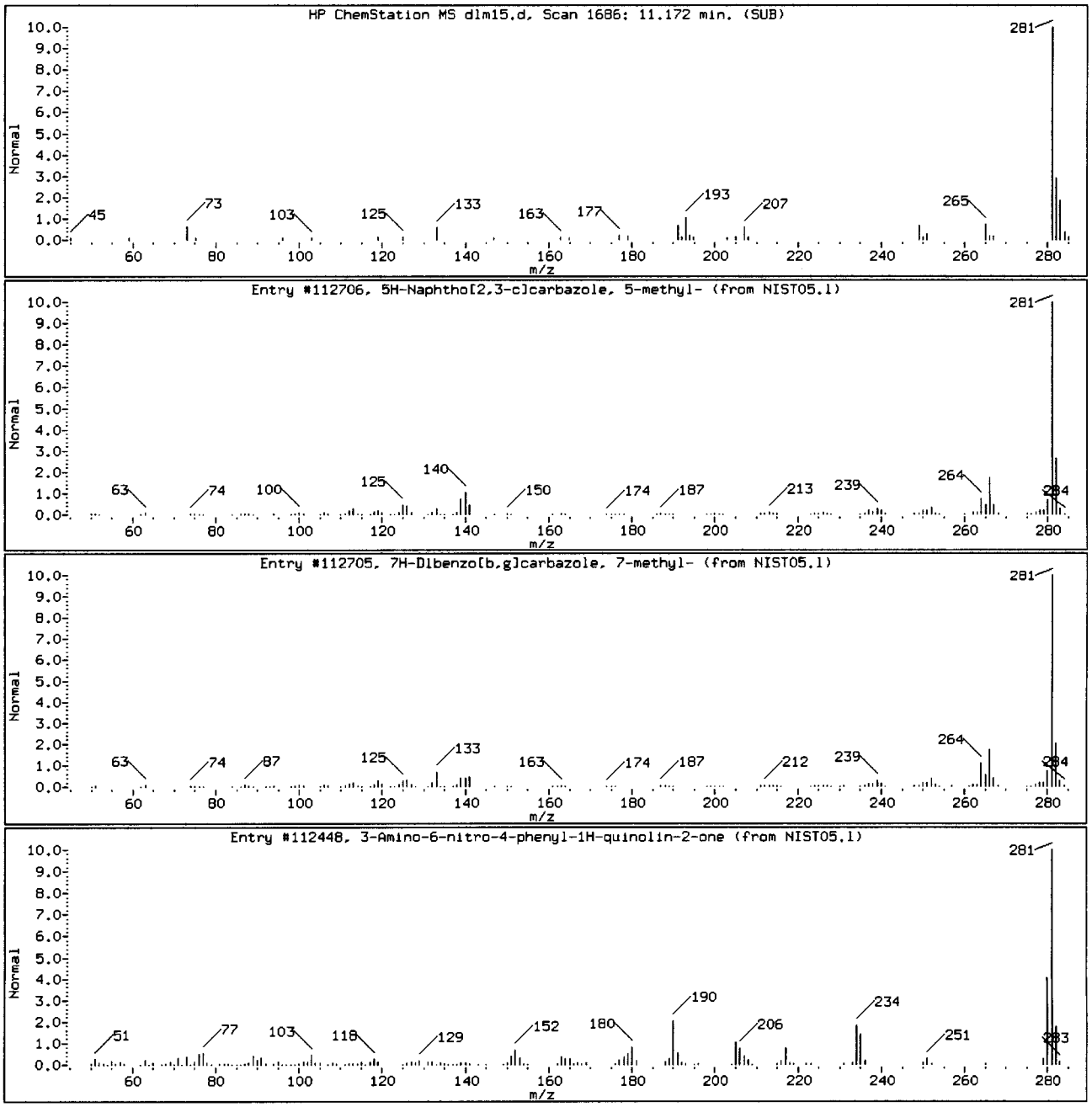
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	83	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	72	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222



Data File: dlm15.d
Lab Sample ID: 200-22132-6 Date: 14-MAY-2014 13:12
Client ID: VHBLK01 Instrument: D.i
Sample Info: 200-22132-B-6 Operator: MTP

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
3-Amino-6-nitro-4-phenyl-1H-quinol	36020-93-6	NIST05.1	112448	50	C15H11N3O3	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-19D_050114 | Lab Sample ID: 200-22155-2

Matrix: Water | Lab File ID: dlla11.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 09:35

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 15:09

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	0.50	U	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	0.15	J	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	1.0		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: MW-19D_050114 | Lab Sample ID: 200-22155-2

Matrix: Water | Lab File ID: dlla11.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 09:35

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 15:09

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	108		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	100		49-155
865-49-6	Chloroform-d	100		78-121
17060-07-0	1,2-Dichloroethane-d4	110		78-129
1076-43-3	Benzene-d6	102		77-124
93952-08-0	1,2-Dichloropropane-d6	88		79-124
2037-26-5	Toluene-d8	102		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	96		73-121
4840-82-8	2-Hexanone-d5	104		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	100		73-125
2199-69-1	1,2-Dichlorobenzene-d4	99		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-19D_050114 Lab Sample ID: 200-22155-2

Matrix: Water Lab File ID: d11a11.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 09:35

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:09

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: 5.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	B J
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.90	J N
	Unknown	11.17	1.3	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-19D_050114 Lab Sample ID: 200-22155-2

Matrix: Water Lab File ID: dlla11.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 09:35

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:09

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: 200-22155-2
Client Smp ID: MW-19D_050114
Inj Date : 08-MAY-2014 15:09
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-2
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 11:22 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 11
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)	118133	134.382	5.4
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.131	2.131	(0.349)	88323	132.723	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)	185147	102.549	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	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	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.767)	124333	1247.01	50
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.771)	3195	3.74265	0.15(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.026	5.026	(0.824)	190705	125.287	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	5.612	5.612	(0.920)	73944	137.350	5.5
$	29 Benzene-d6	84	5.630	5.630	(0.594)	456617	128.096	5.1
	30 Benzene	78	5.673	5.673	(0.599)	4068	1.10839	0.044(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.099	6.099	(1.000)	381619	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	1639	1.69982	0.068(aQ)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	110315	110.547	4.4
	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)	451956	128.050	5.1
	41 Toluene	91	7.861	7.861	(0.830)	101068	25.2622	1.0
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	87556	120.042	4.8
	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)	107916	1302.71	52
	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)	305084	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	9.641	9.641	(1.017)	2497	0.51032	0.020(aQ)
	53 m,p-Xylene	106	9.781	9.782	(1.032)	2944	1.51502	0.061(a)
	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)	42909	124.888	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)	152959	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)	134826	123.132	4.9
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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-2
Client Smp ID: MW-19D_050114
Inj Date : 08-MAY-2014 15:09
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-2
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 11:22 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 11
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	6.099	836176	125.000
* 50 Chlorobenzene-d5	9.477	884491	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	851333	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	516883	77.2687452	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	159092	22.4835673	0.90	91	NIST05.1	73123	50
Unknown				CAS #:			
11.171	217648	31.9568879	1.3	0		0	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla11.d

Date : 08-MAY-2014 15:09

Client ID: MW-19D_050114

Sample Info: 200-22155-B-2

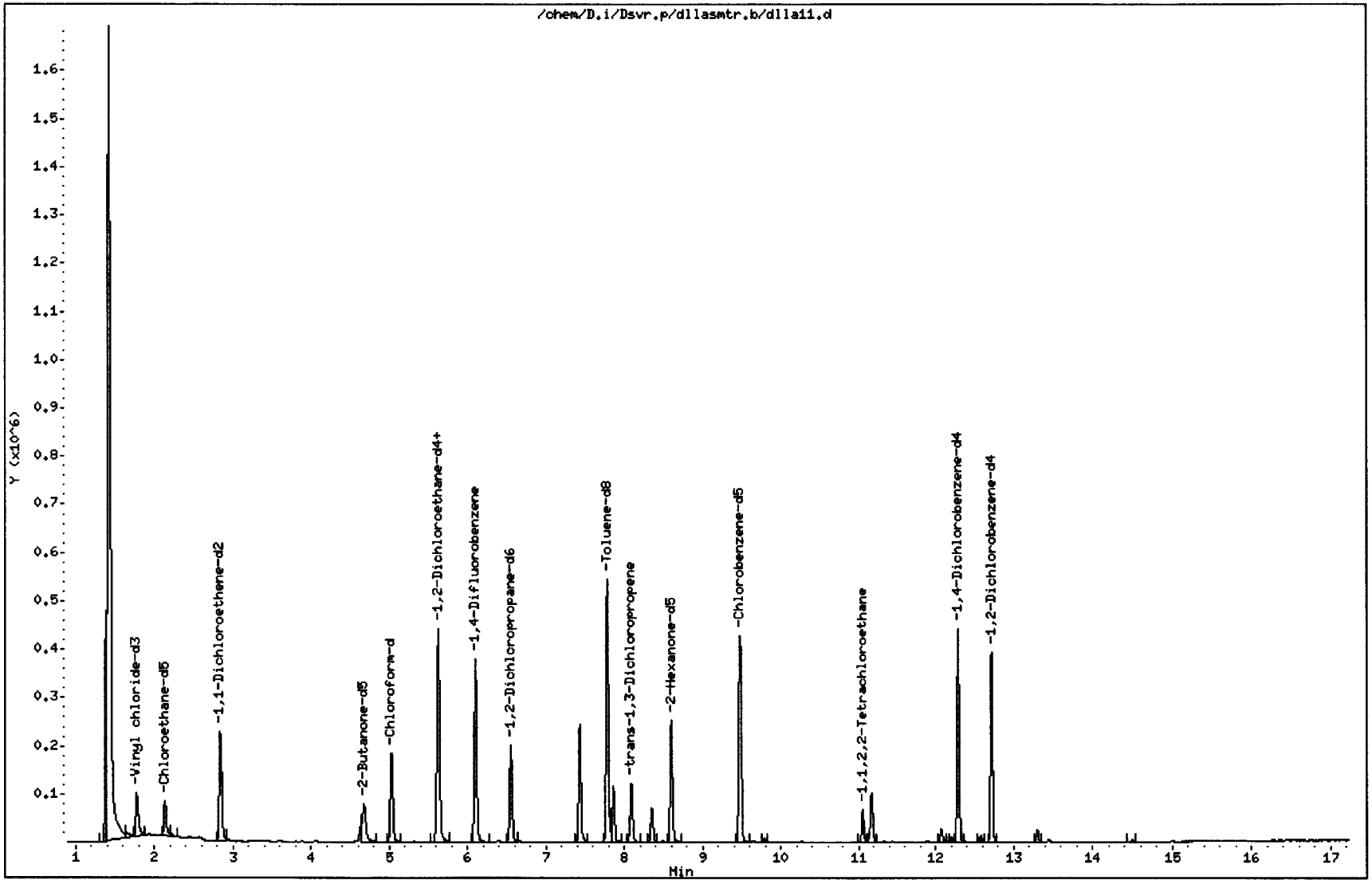
Purge Volume: 25.0

Column phase: DB-624

Instrument: D.i

Operator: MTP

Column diameter: 0.20



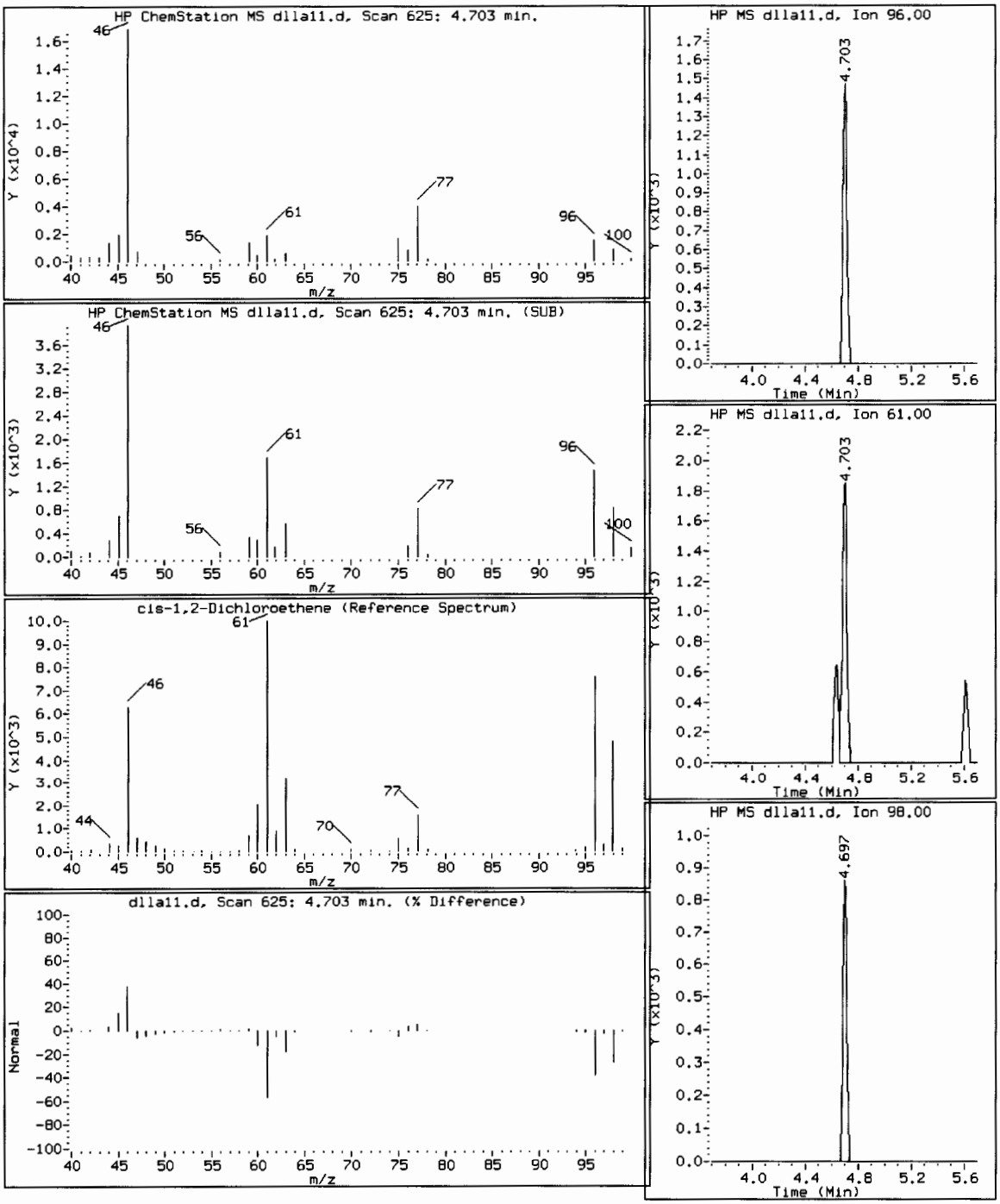
Data File: dlla11.d

Lab Sample ID: 200-22155-2 Date: 08-MAY-2014 15:09

Client ID: MW-19D_050114 Instrument: D.i

Sample Info: 200-22155-B-2 Operator: MTP

20 cis-1,2-Dichloroethene



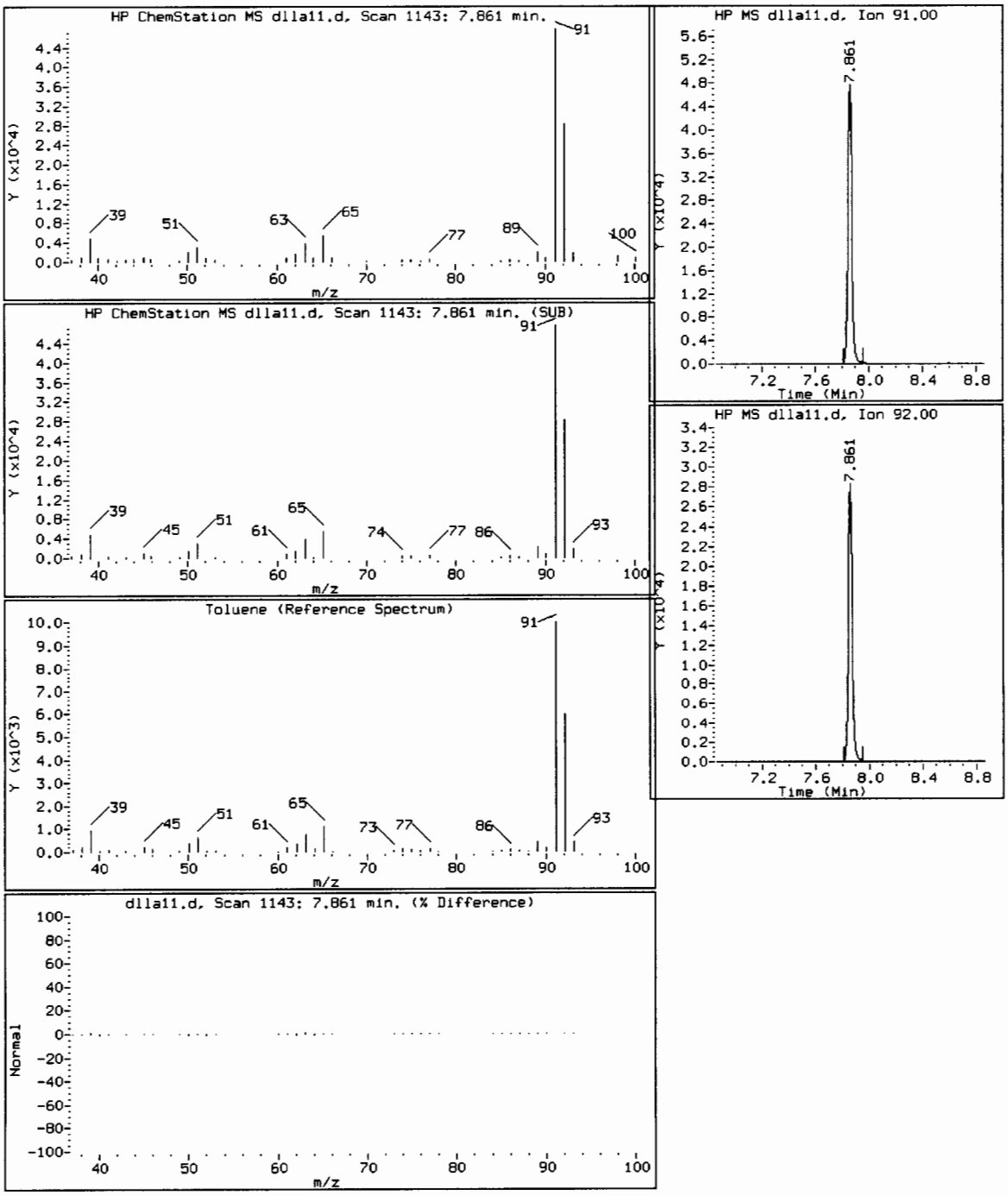
Data File: dlla11.d

Lab Sample ID: 200-22155-2 Date: 08-MAY-2014 15:09

Client ID: MW-19D_050114 Instrument: D.i

Sample Info: 200-22155-B-2 Operator: MTP

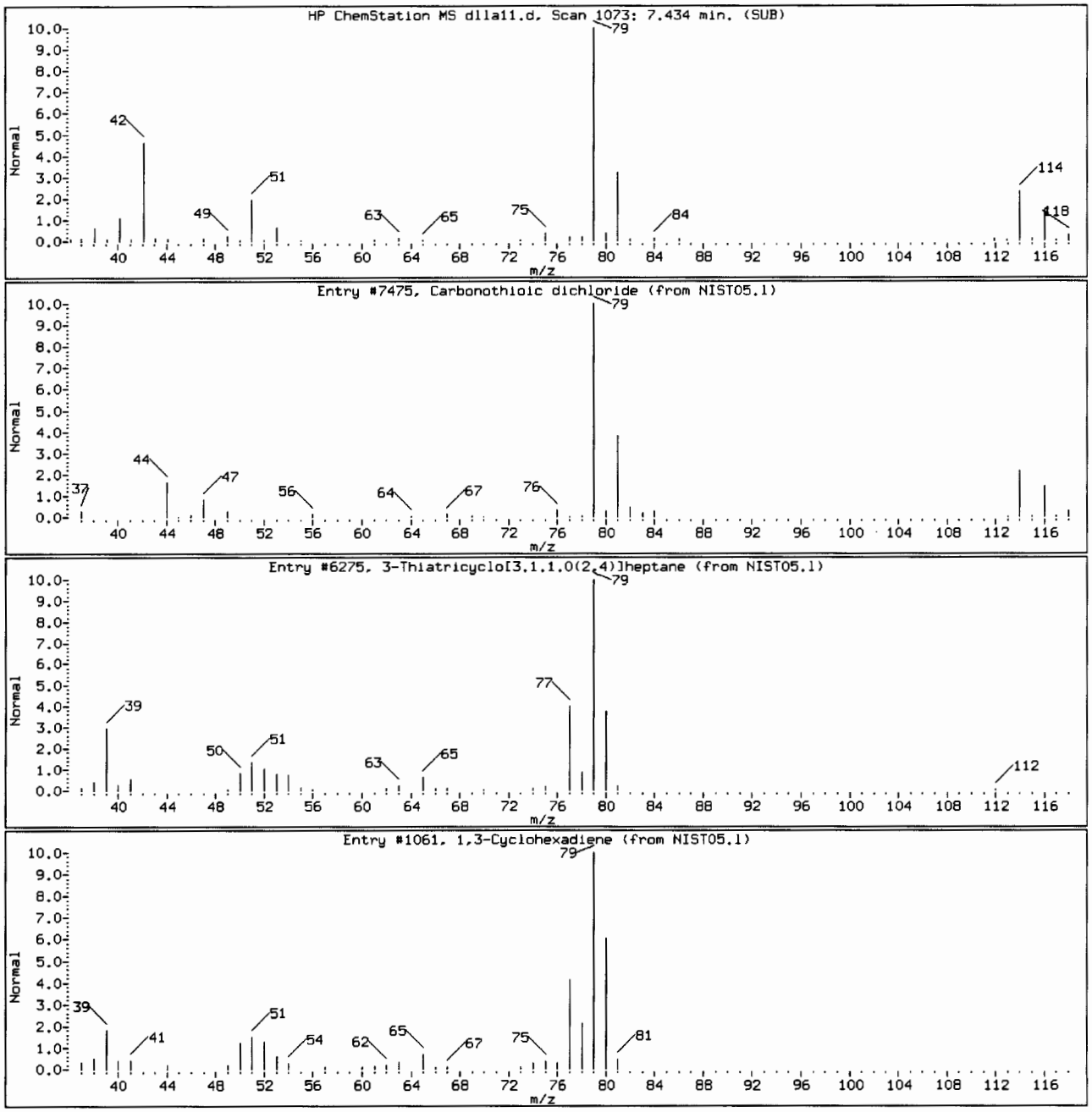
41 Toluene



Data File: d11a11.d
Lab Sample ID: 200-22155-2 Date: 08-MAY-2014 15:09
Client ID: MW-19D_050114 Instrument: D.i
Sample Info: 200-22155-B-2 Operator: MTP

Retention Time: 7.43

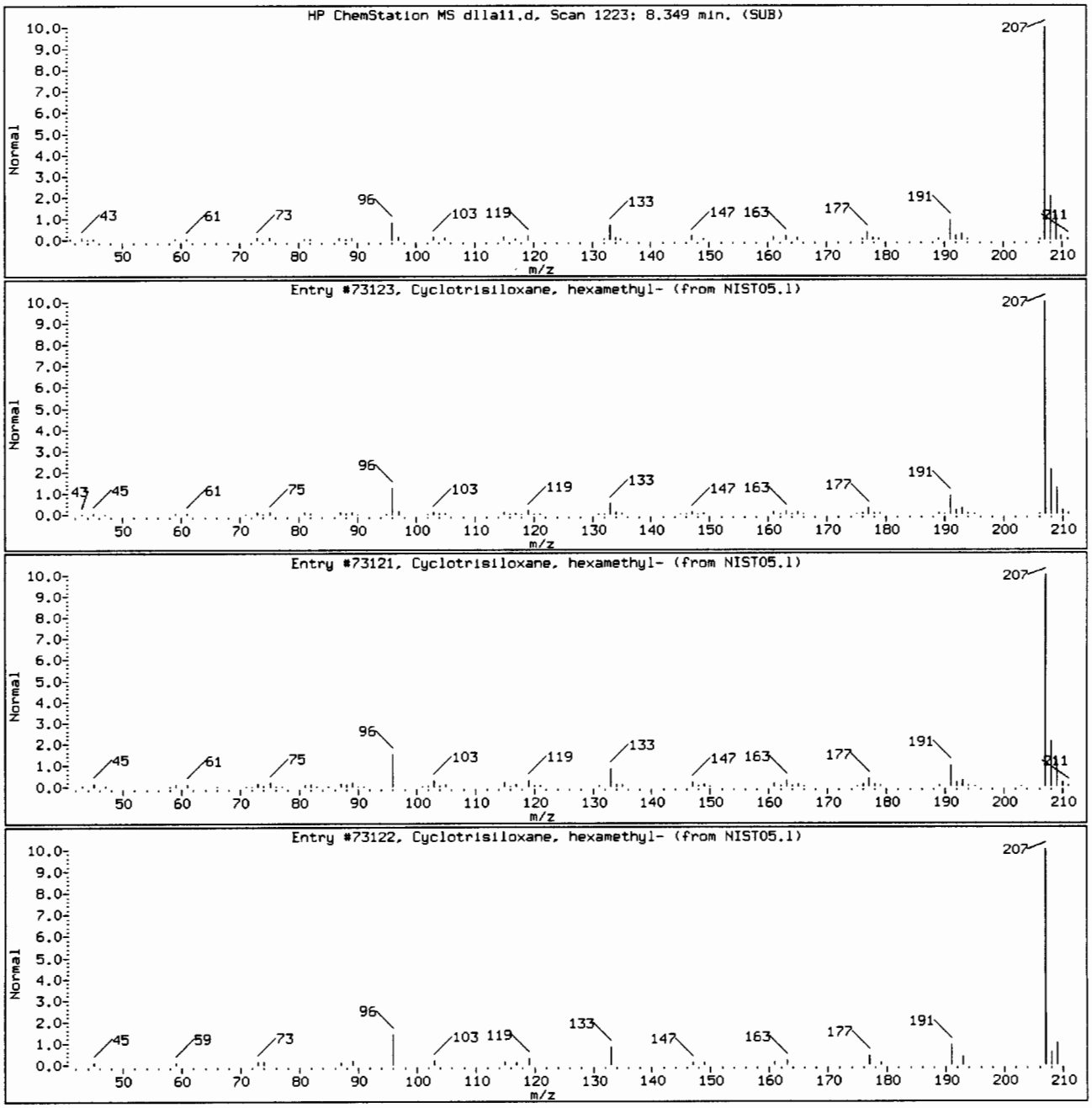
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	43	C6H8S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: d11a11.d
Lab Sample ID: 200-22155-2 Date: 08-MAY-2014 15:09
Client ID: MW-19D_050114 Instrument: D.i
Sample Info: 200-22155-B-2 Operator: MTP

Retention Time: 8.35

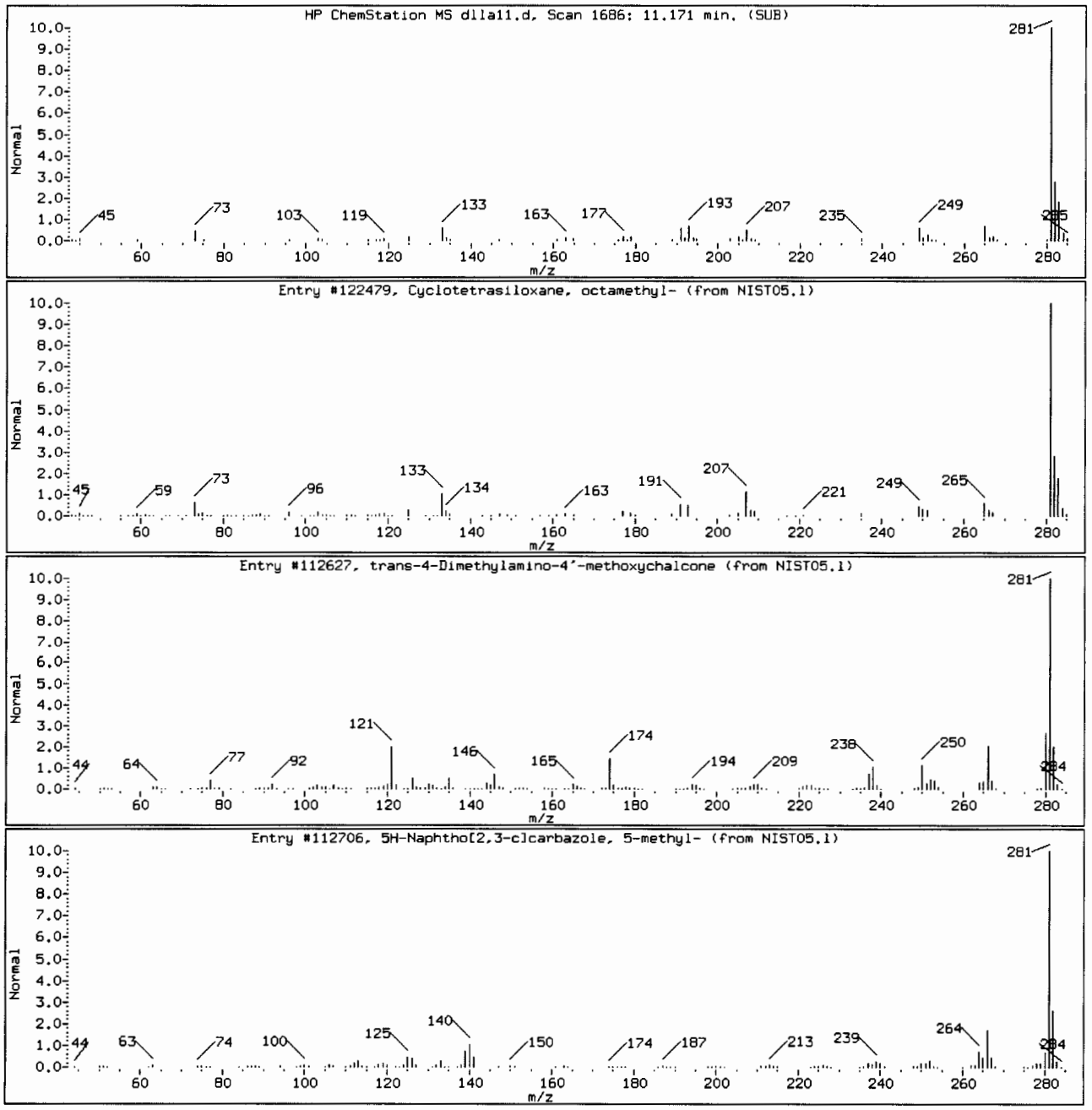
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	91	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	90	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	46	C6H18O3Si3	222



Data File: d11a11.d
Lab Sample ID: 200-22155-2 Date: 08-MAY-2014 15:09
Client ID: MW-19D_050114 Instrument: D.i
Sample Info: 200-22155-B-2 Operator: MTP

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
trans-4-Dimethylamino-4'-methoxych	52119-37-6	NIST05.1	112627	64	C18H19NO2	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-16S_050114 | Lab Sample ID: 200-22155-3

Matrix: Water | Lab File ID: dlla12.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 08:47

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 15:34

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	0.17	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	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	0.50	U	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	0.087	J	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	0.93		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: MW-16S_050114 | Lab Sample ID: 200-22155-3

Matrix: Water | Lab File ID: dlla12.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 08:47

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 15:34

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	105		65-131
19199-91-8	Chloroethane-d5	105		71-131
22280-73-5	1,1-Dichloroethene-d2	80		55-104
24313-50-6	2-Butanone-d5	98		49-155
865-49-6	Chloroform-d	98		78-121
17060-07-0	1,2-Dichloroethane-d4	110		78-129
1076-43-3	Benzene-d6	102		77-124
93952-08-0	1,2-Dichloropropane-d6	88		79-124
2037-26-5	Toluene-d8	102		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	100		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-16S_050114 Lab Sample ID: 200-22155-3

Matrix: Water Lab File ID: dlla12.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 08:47

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:34

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: 5.21

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.0	J B
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.91	J N
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	1.3	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-16S_050114 Lab Sample ID: 200-22155-3

Matrix: Water Lab File ID: dlla12.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 08:47

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:34

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: 200-22155-3
Client Smp ID: MW-16S_050114
Inj Date : 08-MAY-2014 15:34
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-3
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: 12
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)	108766	130.855	5.2
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	2.070	2.070	(0.339)	1297	4.22920	0.17(a)
$	6 Chloroethane-d5	69	2.130	2.131	(0.349)	82781	131.562	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)	171408	100.409	4.0
	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	Compound Not Detected.					
	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	(0.767)	115478	1224.93	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	5.026	5.026	(0.824)	175443	121.901	4.9
	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	5.612	5.612	(0.920)	70095	137.702	5.5
$	29 Benzene-d6	84	5.630	5.630	(0.594)	425151	128.064	5.1
	30 Benzene	78	5.666	5.673	(0.598)	2848	0.83321	0.033(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.099	6.099	(1.000)	360830	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	102301	110.076	4.4
	35 Methylcyclohexane	55	6.599	6.599	(0.696)	2963	2.16760	0.087(aQ)
	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)	419719	127.686	5.1
	41 Toluene	91	7.861	7.861	(0.830)	86323	23.1679	0.93
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	80507	118.518	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)	101206	1311.80	52
	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)	284130	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)	39871	124.604	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)	143187	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)	124913	121.864	4.9
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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-3
Client Smp ID: MW-16S_050114
Inj Date : 08-MAY-2014 15:34
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-3
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: 12
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	6.099	784642	125.000
* 50 Chlorobenzene-d5	9.477	824096	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	795089	125.000

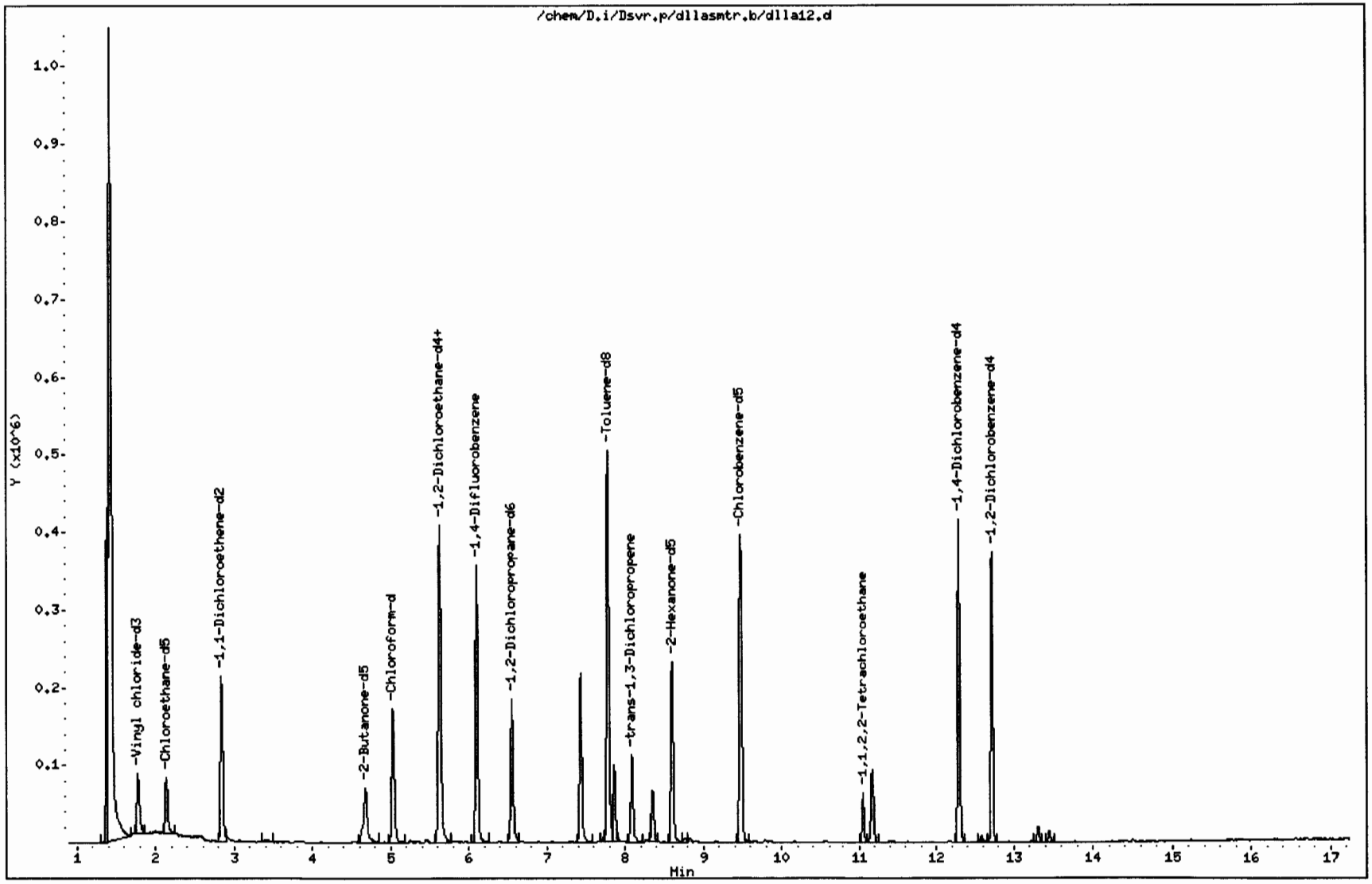
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	473197	75.3842236	3.0	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.349	150651	22.8509053	0.91	86	NIST05.1	73123	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	203363	31.9717658	1.3	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla12.d
Date : 08-MAY-2014 15:34
Client ID: MW-16S_050114
Sample Info: 200-22155-C-3
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



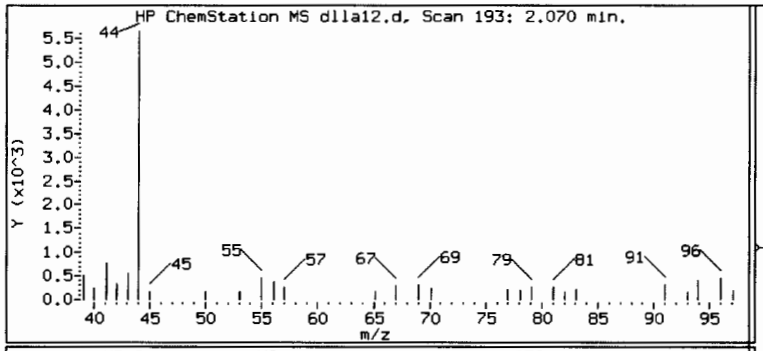
Data File: dlla12.d

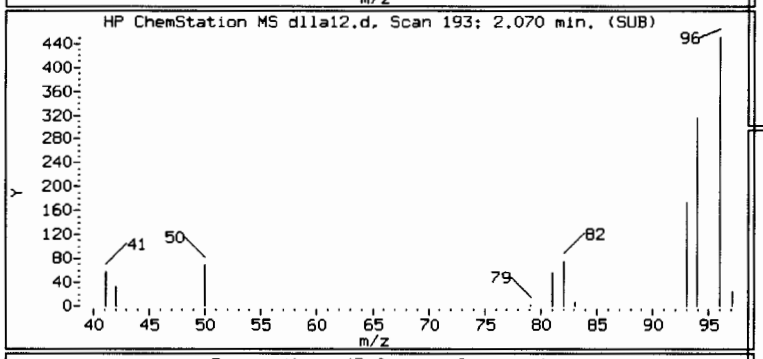
Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34

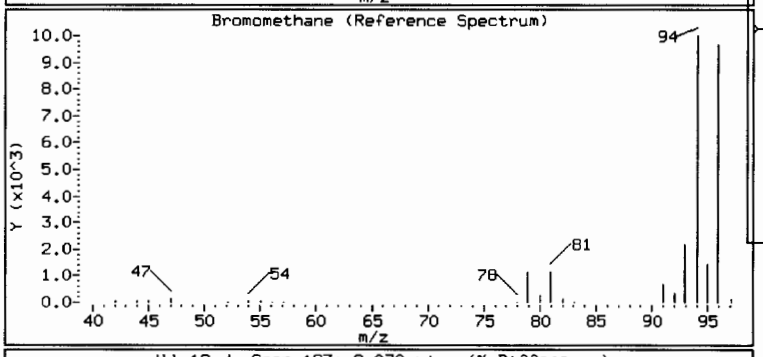
Client ID: MW-16S_050114 Instrument: D.i

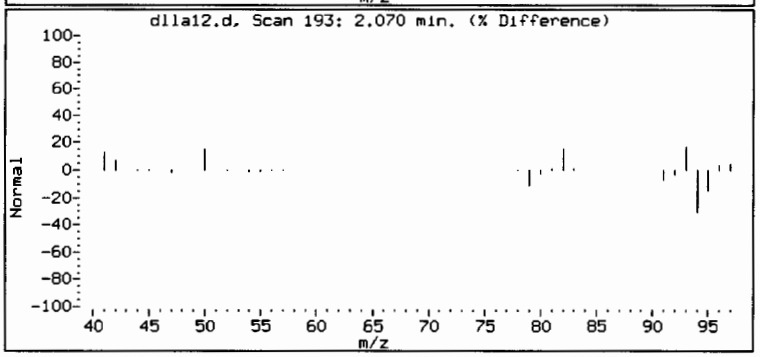
Sample Info: 200-22155-C-3 Operator: MTP

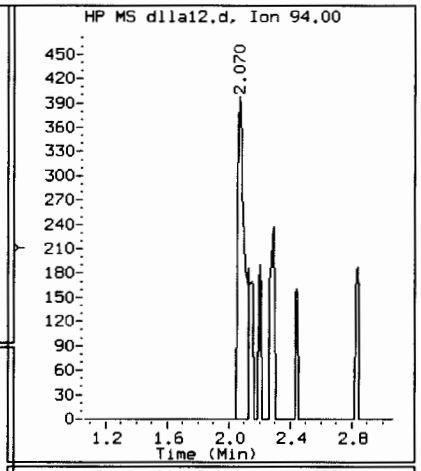
5 Bromomethane

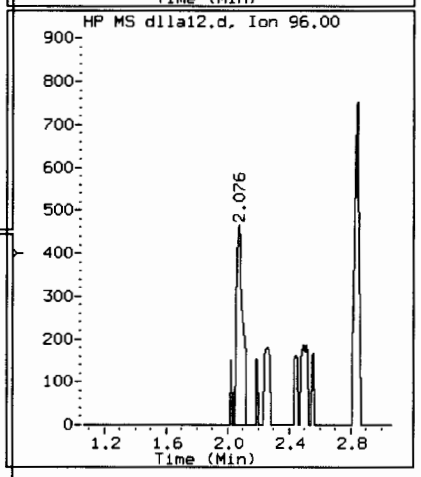












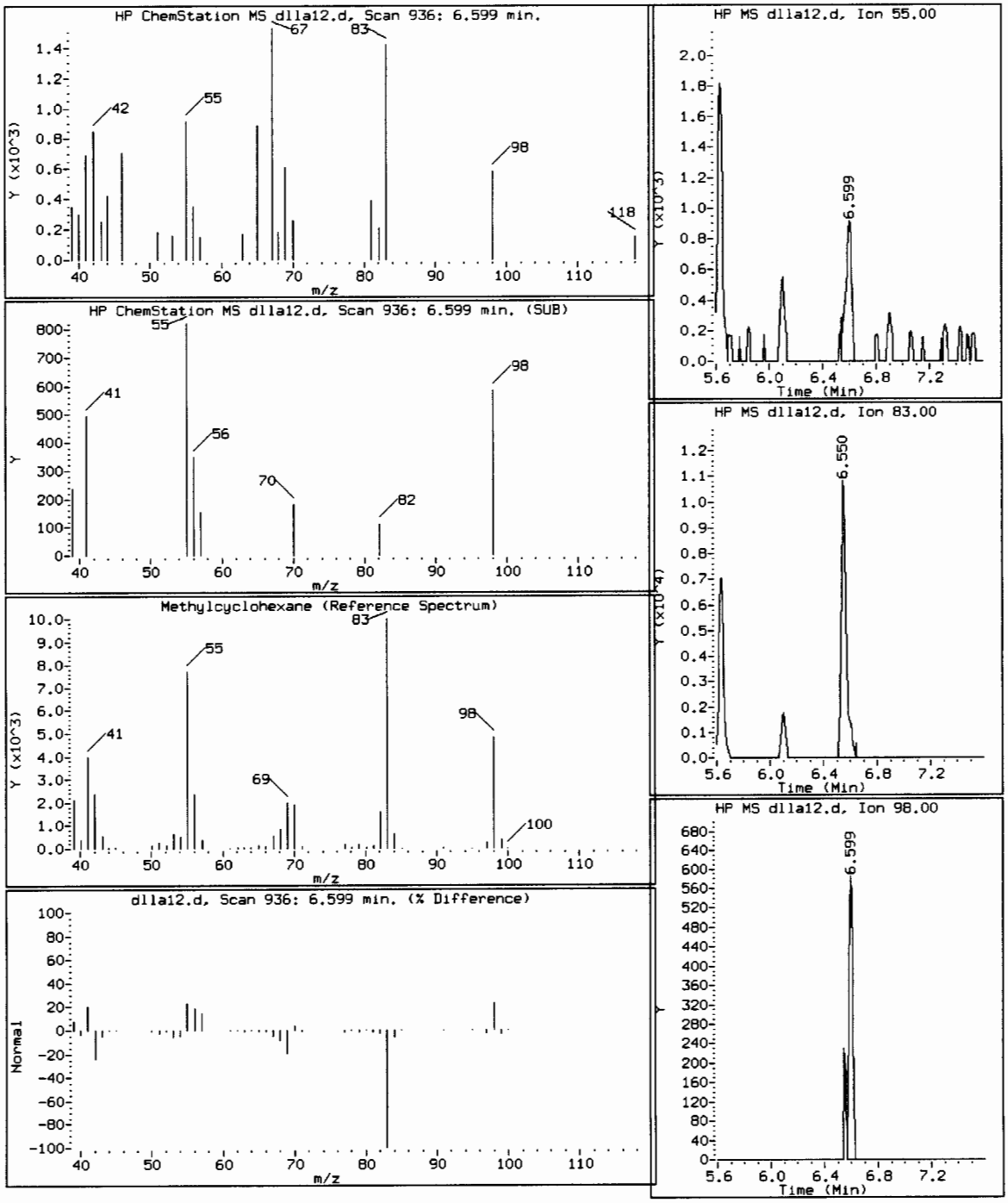
Data File: dlla12.d

Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34

Client ID: MW-16S_050114 Instrument: D.i

Sample Info: 200-22155-C-3 Operator: MTP

35 Methylcyclohexane



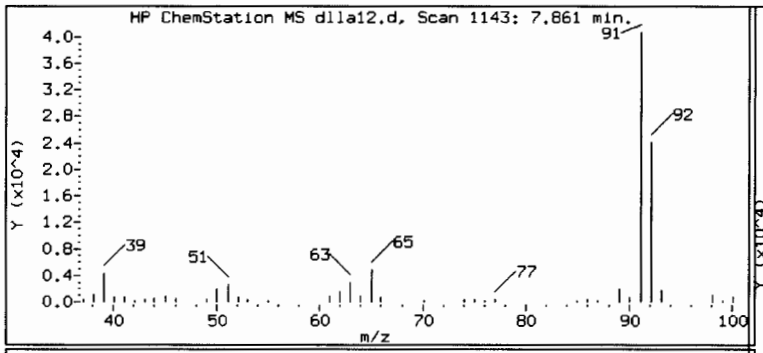
Data File: dlla12.d

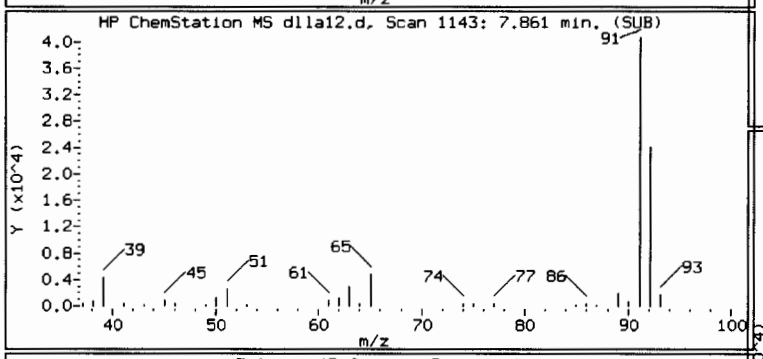
Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34

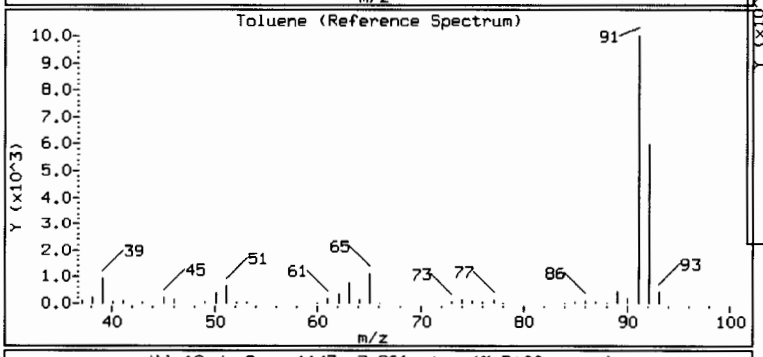
Client ID: MW-16S_050114 Instrument: D.i

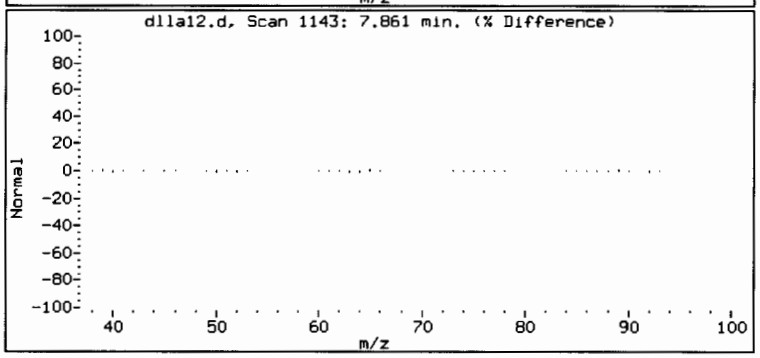
Sample Info: 200-22155-C-3 Operator: MTP

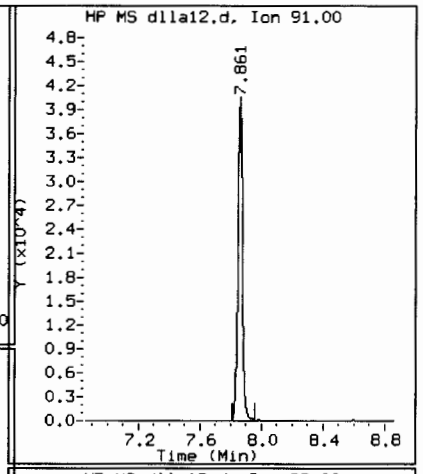
41 Toluene

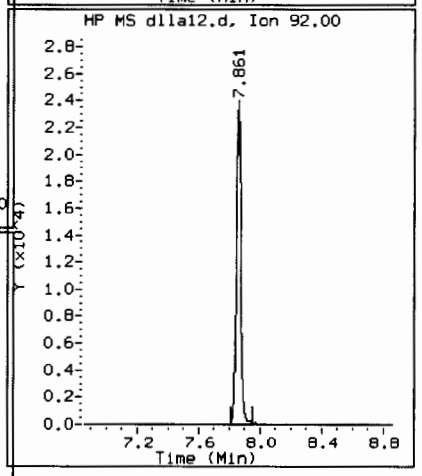








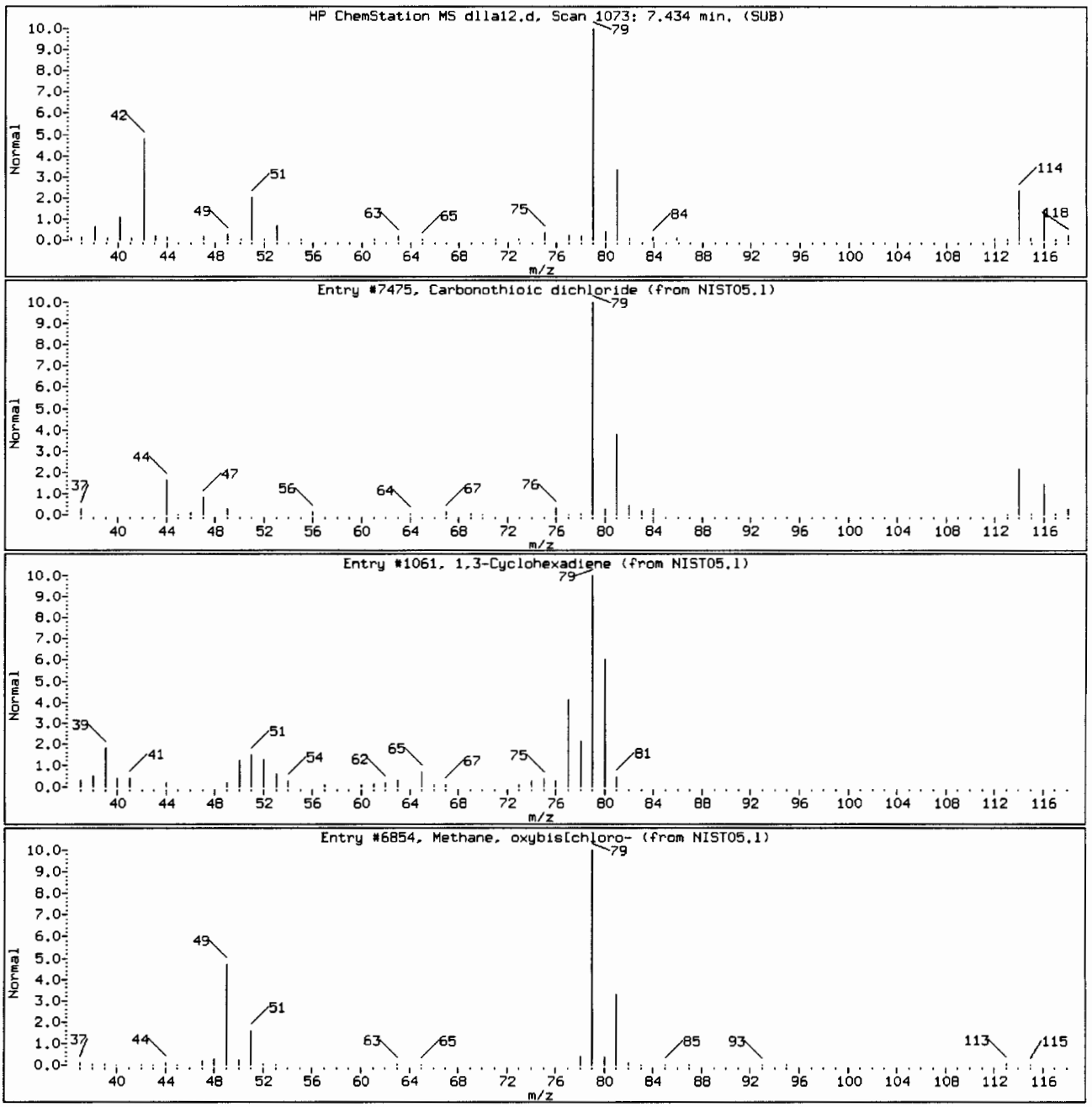




Data File: d11a12.d
Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34
Client ID: MW-16S_050114 Instrument: D.i
Sample Info: 200-22155-C-3 Operator: MTP

Retention Time: 7.43

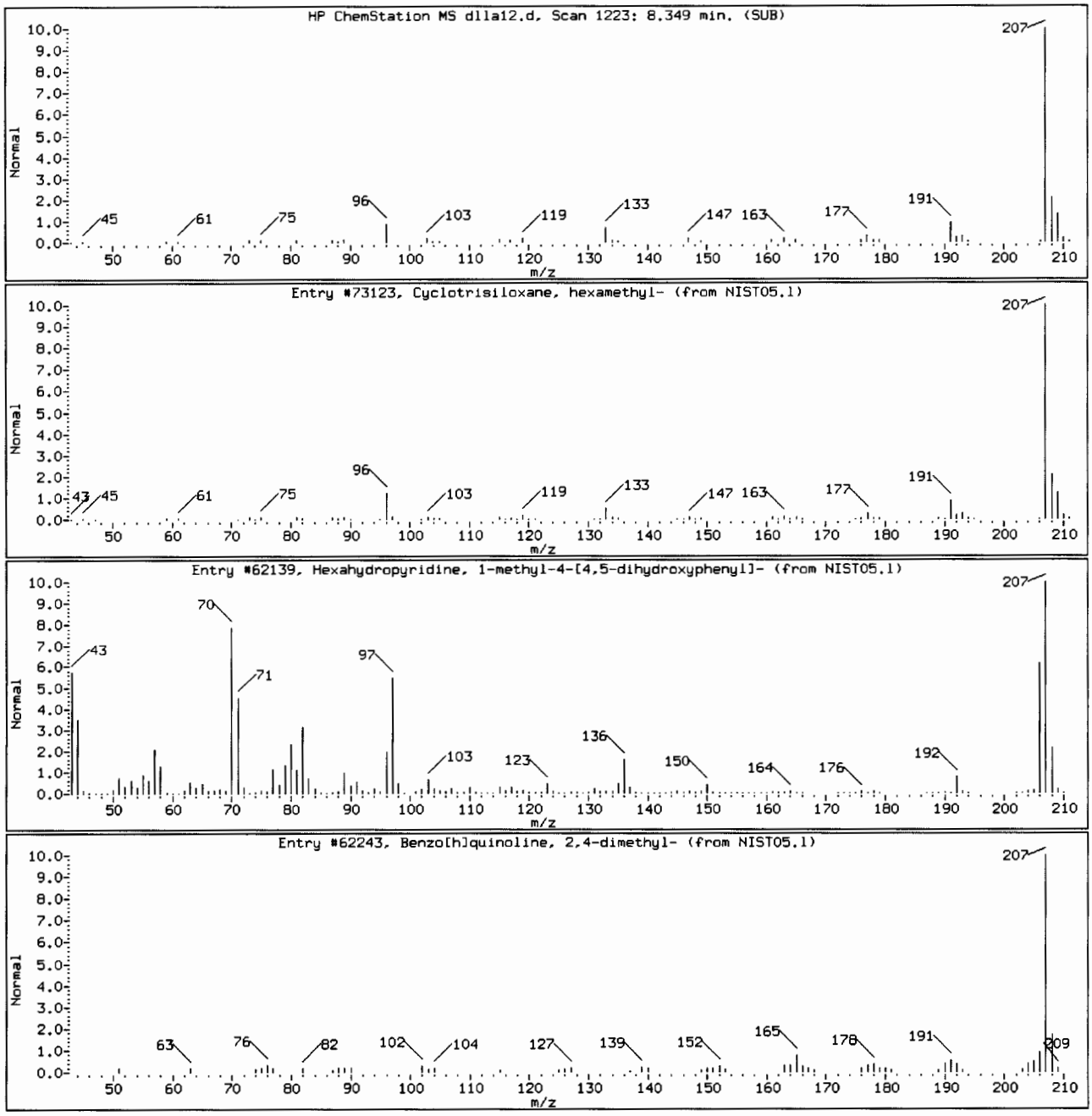
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114



Data File: dlla12.d
Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34
Client ID: MW-16S_050114 Instrument: D.i
Sample Info: 200-22155-C-3 Operator: MTP

Retention Time: 8.35

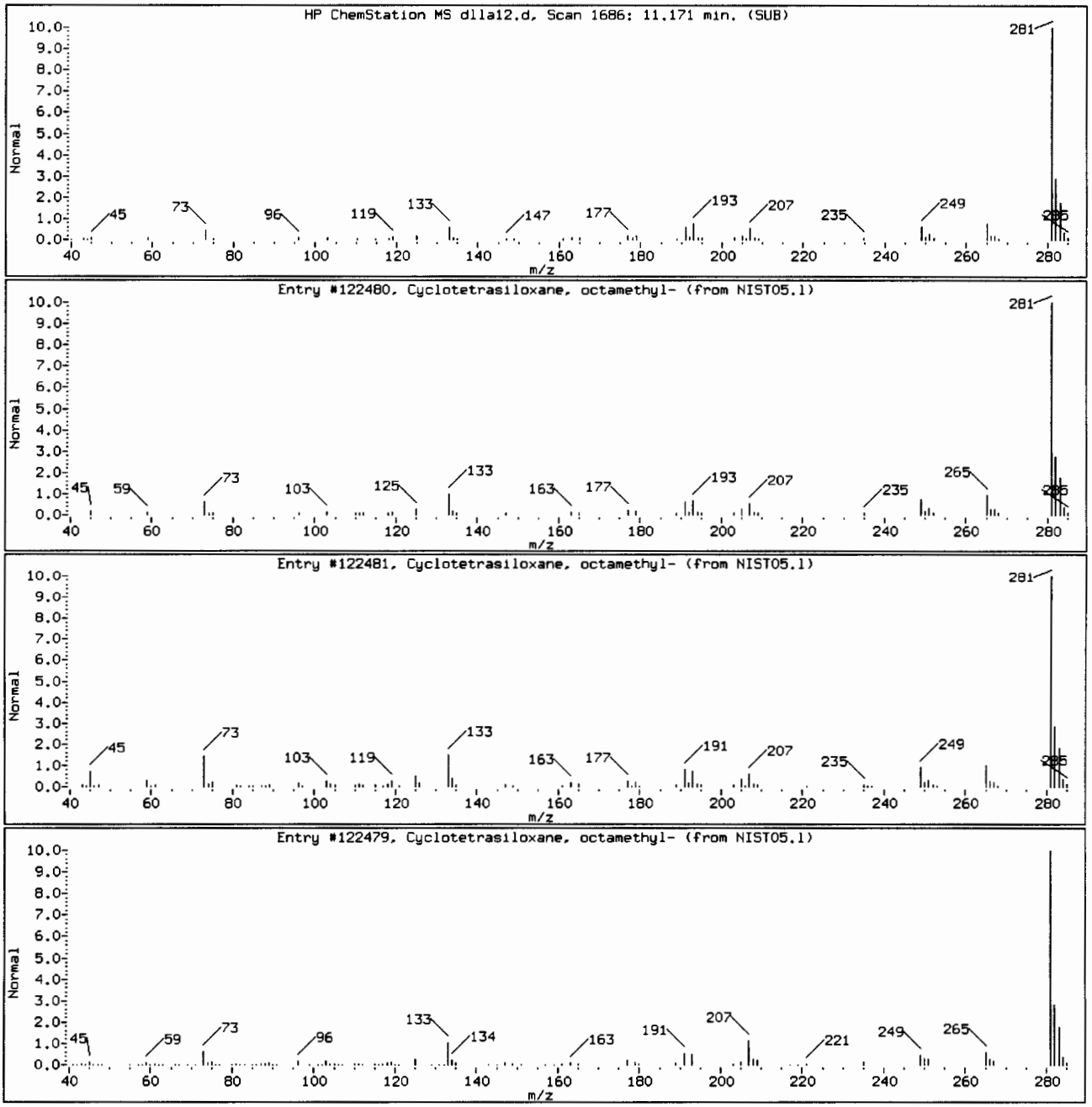
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	86	C6H18O3Si3	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	59	C12H17NO2	207
Benzo[h]quinoline, 2,4-dimethyl-	605-67-4	NIST05.1	62243	50	C15H13N	207



Data File: dlla12.d
Lab Sample ID: 200-22155-3 Date: 08-MAY-2014 15:34
Client ID: MW-16S_050114 Instrument: D.i
Sample Info: 200-22155-C-3 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	90	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C8H24O4Si4	296



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-17S_050114 | Lab Sample ID: 200-22155-4

Matrix: Water | Lab File ID: dlla13.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 09:54

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 15:58

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	0.50	U	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	0.37	J	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	0.52		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: MW-17S_050114
Lab Sample ID: 200-22155-4
Matrix: Water
Lab File ID: d11a13.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 09:54
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 15:58
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	95		65-131
19199-91-8	Chloroethane-d5	98		71-131
22280-73-5	1,1-Dichloroethene-d2	77		55-104
24313-50-6	2-Butanone-d5	89		49-155
865-49-6	Chloroform-d	94		78-121
17060-07-0	1,2-Dichloroethane-d4	98		78-129
1076-43-3	Benzene-d6	98		77-124
93952-08-0	1,2-Dichloropropane-d6	82		79-124
2037-26-5	Toluene-d8	97		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	88		73-121
4840-82-8	2-Hexanone-d5	92		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	90		73-125
2199-69-1	1,2-Dichlorobenzene-d4	93		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-17S_050114 Lab Sample ID: 200-22155-4

Matrix: Water Lab File ID: dl1a13.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 09:54

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:58

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: 4.55

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.8	J B
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.77	J N
	Unknown	11.17	0.98	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-17S_050114 Lab Sample ID: 200-22155-4

Matrix: Water Lab File ID: dlla13.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 09:54

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 15:58

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: 200-22155-4
Client Smp ID: MW-17S_050114
Inj Date : 08-MAY-2014 15:58
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-4
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: 13
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)	102187	119.162	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	79894	123.072	4.9
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	170413	96.7584	3.9
	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	Compound Not Detected.					
	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)	108038	1110.79	44
	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)	174539	117.546	4.7
	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	5.612	5.612	(0.919)	64568	122.946	4.9
$	29 Benzene-d6	84	5.630	5.630	(0.594)	420359	122.389	4.9
	30 Benzene	78	5.673	5.673	(0.599)	2327	0.65804	0.026(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	372271	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	8573	9.22780	0.37(a)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	98731	102.684	4.1
	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)	413950	121.722	4.9
	41 Toluene	91	7.861	7.861	(0.830)	50099	12.9965	0.52
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	77525	110.314	4.4
	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)	1368	1.46718	0.059(a)
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	91693	1148.78	46
	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)	293954	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)	37105	112.084	4.5
	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)	146239	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)	121358	115.925	4.6
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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-4
Client Smp ID: MW-17S_050114
Inj Date : 08-MAY-2014 15:58
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-4
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: 13
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	812409	125.000
* 50 Chlorobenzene-d5	9.477	846342	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	804736	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.434	458437	70.5367020	2.8		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	130585	19.2866155	0.77	90	NIST05.1	73123	50
Unknown				CAS #:			
11.172	158018	24.5449189	0.98	0		0	61

Data File: /ohem/D.i/Dsvr.p/dllasmtr.b/dlla13.d

Date : 08-MAY-2014 15:58

Client ID: MW-17S_050114

Instrument: D.i

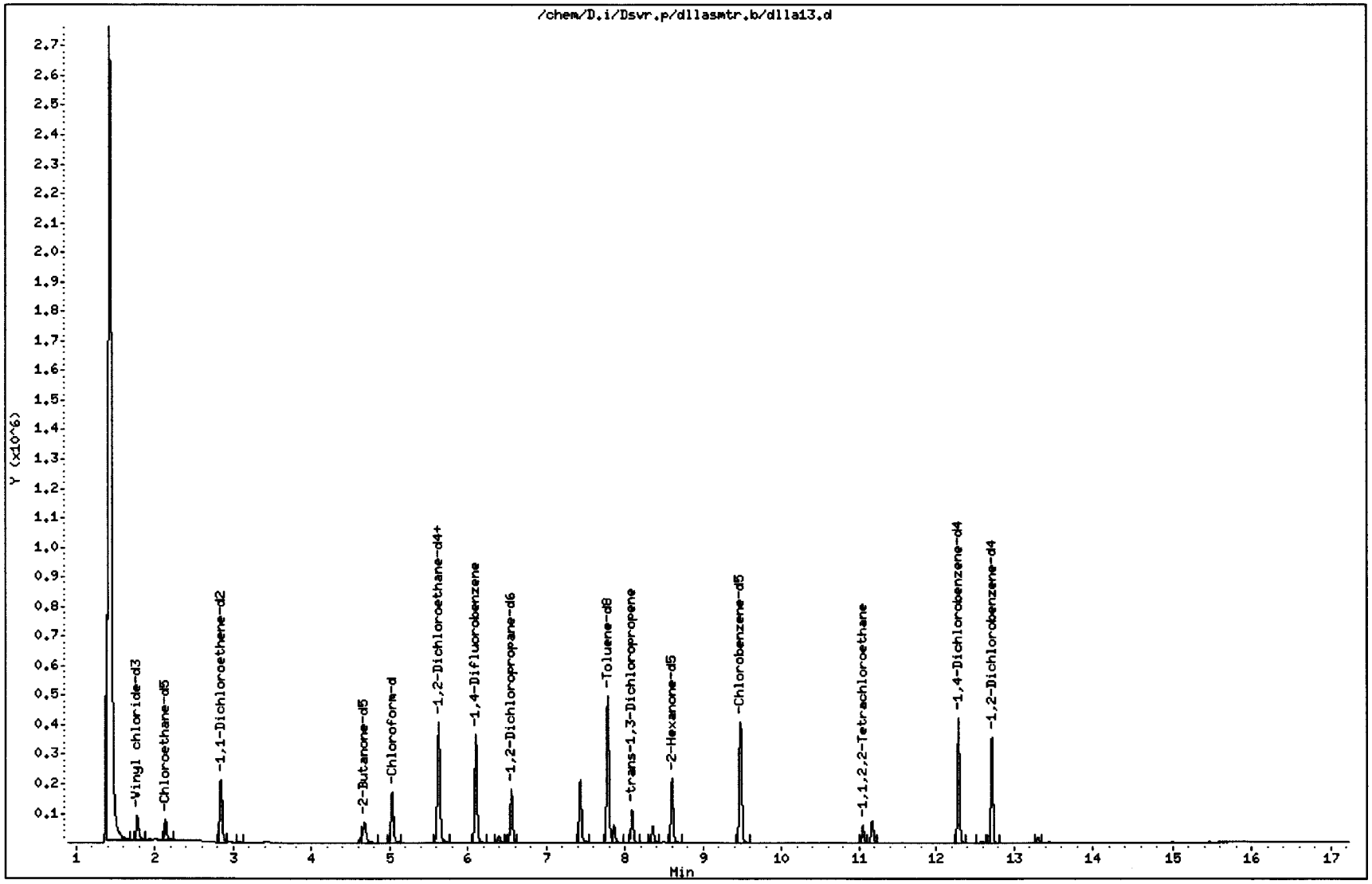
Sample Info: 200-22155-B-4

Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.20



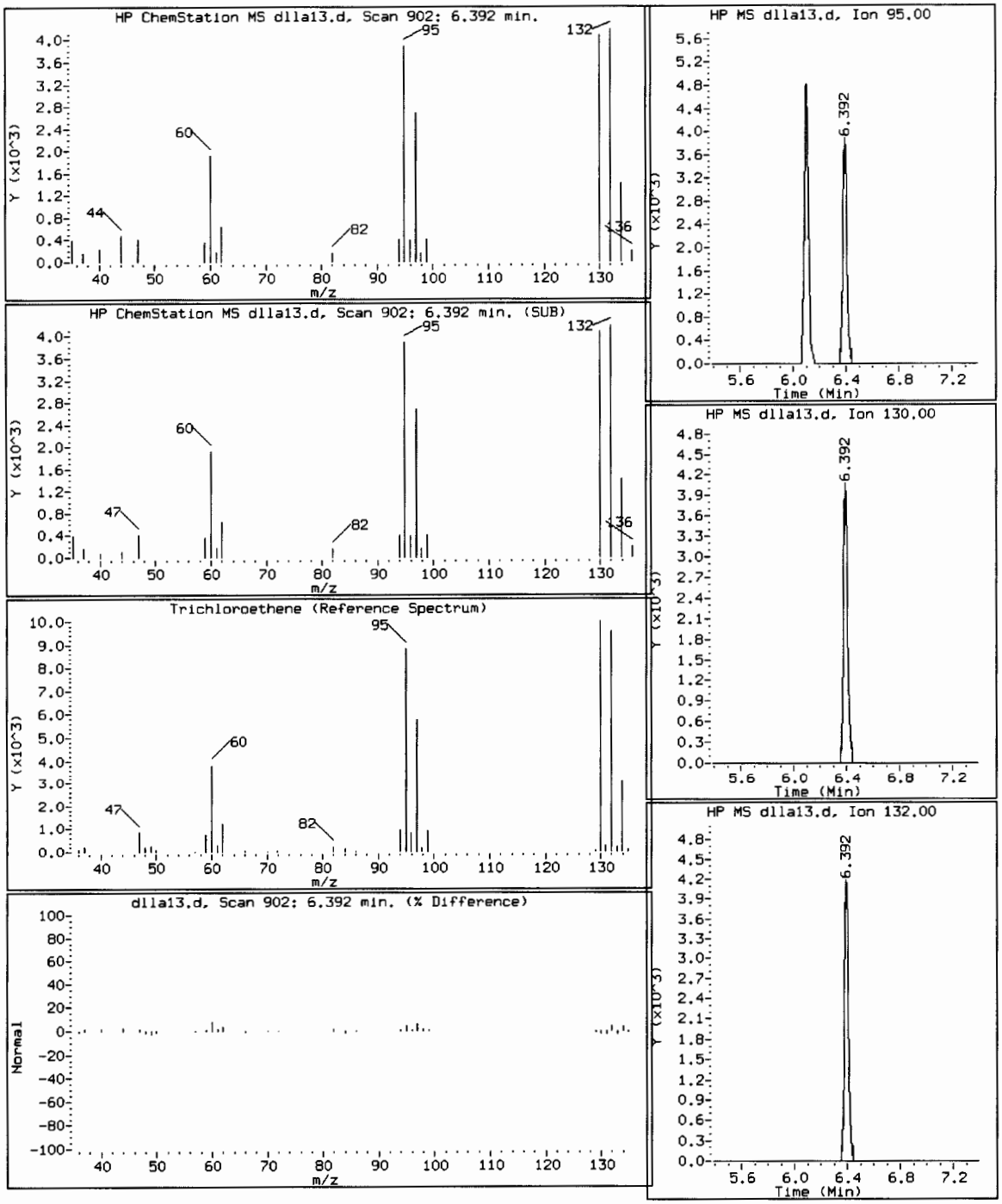
Data File: dlla13.d

Lab Sample ID: 200-22155-4 Date: 08-MAY-2014 15:58

Client ID: MW-17S_050114 Instrument: D.i

Sample Info: 200-22155-B-4 Operator: MTP

33 Trichloroethene



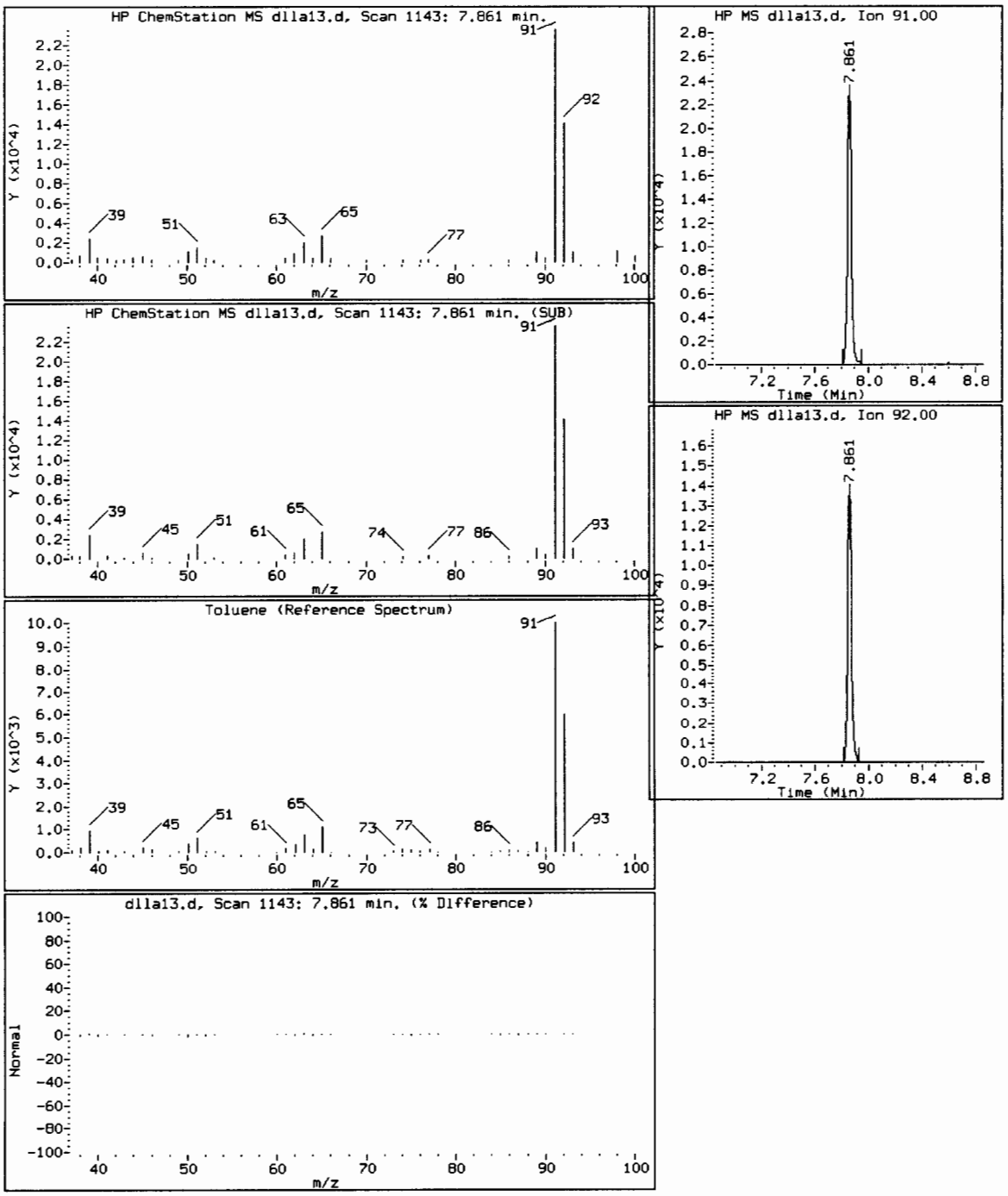
Data File: dlla13.d

Lab Sample ID: 200-22155-4 Date: 08-MAY-2014 15:58

Client ID: MW-17S_050114 Instrument: D.i

Sample Info: 200-22155-B-4 Operator: MTP

41 Toluene



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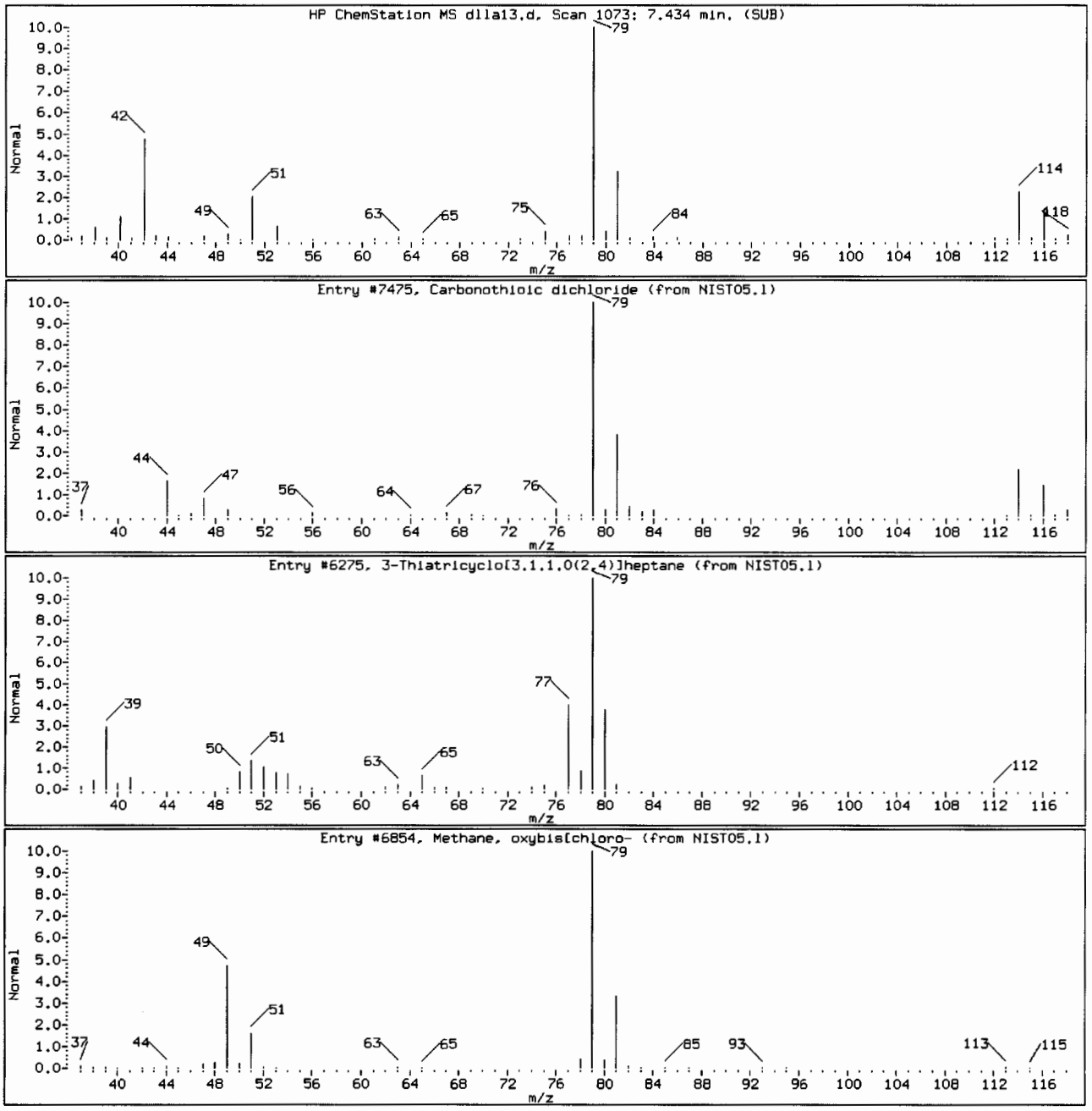
Lab Sample ID: 200-22155-4 Date: 08-MAY-2014 15:58
Client ID: MW-17S_050114 Instrument: D.i
Sample Info: 200-22155-B-4 Operator: MTP

Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	37	C6H8S	112
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114



Data File: d11a13.d

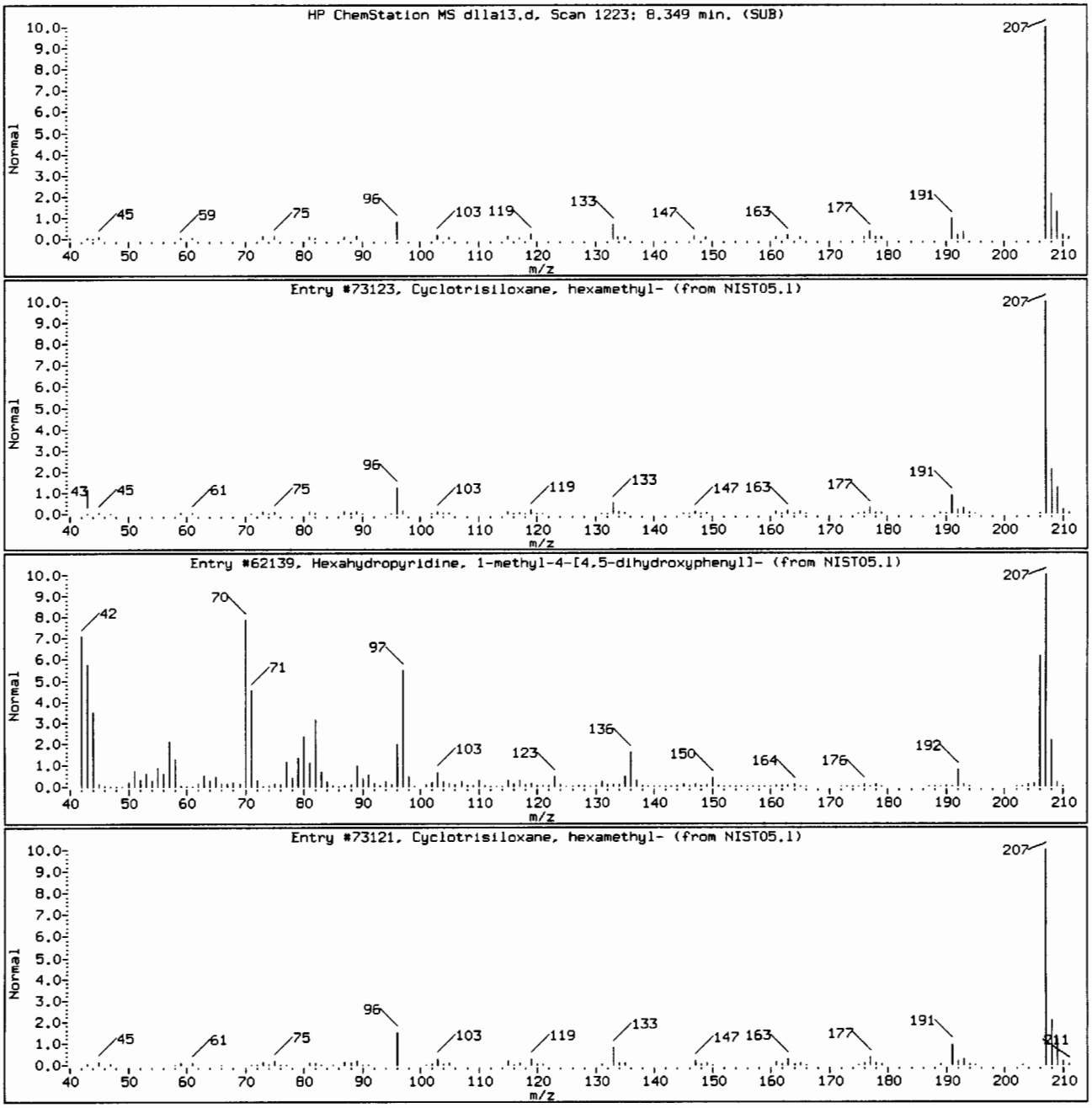
Lab Sample ID: 200-22155-4 Date: 08-MAY-2014 15:58

Client ID: MW-17S_050114 Instrument: D.i

Sample Info: 200-22155-B-4 Operator: MTP

Retention Time: 8.35

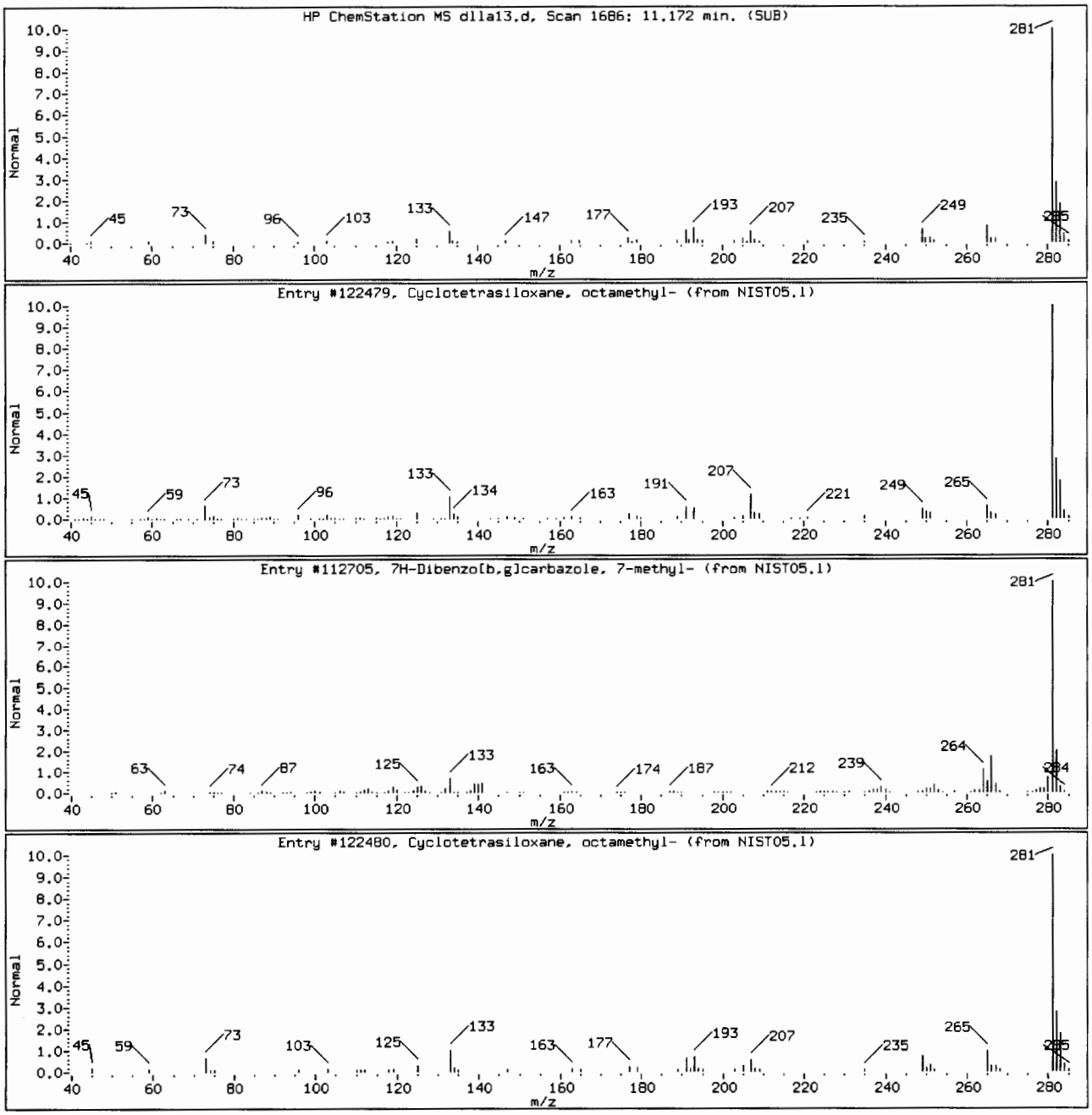
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C12H17NO2	207
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	49	C6H18O3Si3	222



Data File: d11a13.d
Lab Sample ID: 200-22155-4 Date: 08-MAY-2014 15:58
Client ID: MW-17S_050114 Instrument: D.i
Sample Info: 200-22155-B-4 Operator: MTP

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
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C21H15N	281
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	53	C8H24O4Si4	296



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-17D_050114 | Lab Sample ID: 200-22155-5

Matrix: Water | Lab File ID: dlla14.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 10:33

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 16:23

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	0.50	U	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	0.82		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	1.2		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	1.6		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	0.77		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-17D_050114 | Lab Sample ID: 200-22155-5

Matrix: Water | Lab File ID: dlla14.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 10:33

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 16:23

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	99		65-131
19199-91-8	Chloroethane-d5	103		71-131
22280-73-5	1,1-Dichloroethene-d2	81		55-104
24313-50-6	2-Butanone-d5	96		49-155
865-49-6	Chloroform-d	98		78-121
17060-07-0	1,2-Dichloroethane-d4	107		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	98		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	93		73-121
4840-82-8	2-Hexanone-d5	99		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	98		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: MW-17D_050114 Lab Sample ID: 200-22155-5

Matrix: Water Lab File ID: dlla14.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 10:33

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 16:23

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: 4.79

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	J B
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.73	J N
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.96	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-17D_050114 Lab Sample ID: 200-22155-5

Matrix: Water Lab File ID: dlla14.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 10:33

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 16:23

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: 200-22155-5
Client Smp ID: MW-17D_050114
Inj Date : 08-MAY-2014 16:23
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-5
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: 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	1.783	1.771	(0.292)	99539	123.144	4.9
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	78784	128.754	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	169116	101.871	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	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)	485	0.60776	0.024(aQMH)
	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)	110008	1199.94	48
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	16147	20.5707	0.82
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	172257	123.075	4.9
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	1312	0.90264	0.036(aQ)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	5.441	5.435	(0.574)	1262	0.96057	0.038(a)
$	28 1,2-Dichloroethane-d4	65	5.611	5.612	(0.919)	66134	133.598	5.3
$	29 Benzene-d6	84	5.630	5.630	(0.594)	409888	124.618	5.0
	30 Benzene	78	5.672	5.673	(0.599)	2377	0.70190	0.028(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	350897	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	27266	30.6463	1.2
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	100078	108.688	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)	400515	122.980	4.9
	41 Toluene	91	7.861	7.861	(0.830)	150382	40.7367	1.6
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	78648	116.860	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)	17092	19.1418	0.77
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	94906	1241.61	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	9.477	9.477	(1.000)	281506	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)	38678	122.002	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)	141617	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)	122057	120.398	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.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-5
Client Smp ID: MW-17D_050114
Inj Date : 08-MAY-2014 16:23
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-5
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: 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	764644	125.000
* 50 Chlorobenzene-d5	9.477	813808	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	786555	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	466857	76.3192646	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	118272	18.1663883	0.73	90	NIST05.1	73123	50
Cyclotetrasiloxane, octamethyl-					CAS #: 556-67-2		
11.171	151394	24.0596578	0.96	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla14.d

Date : 08-MAY-2014 16:23

Client ID: MW-17D_050114

Instrument: D.i

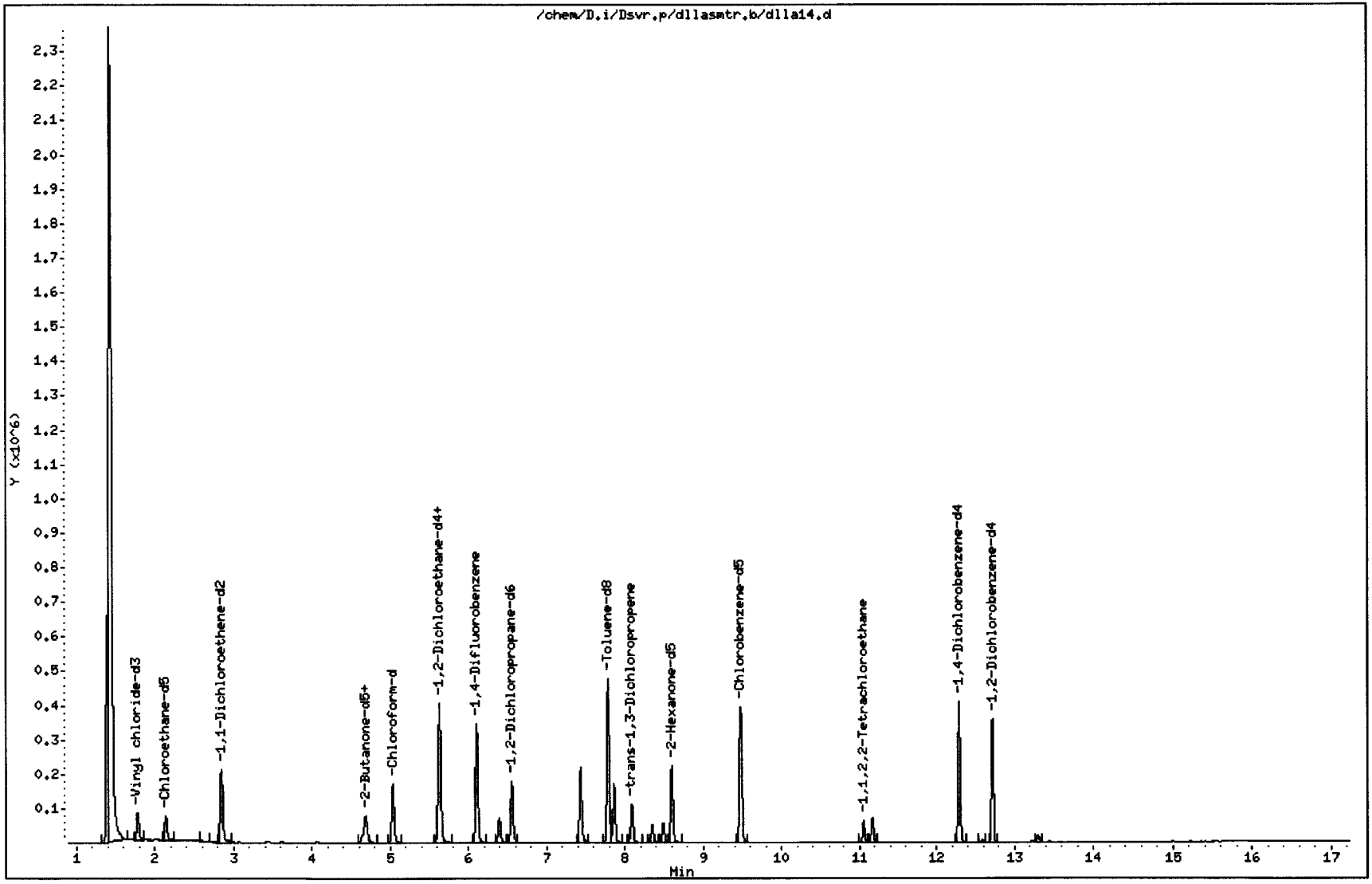
Sample Info: 200-22155-B-5

Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.20



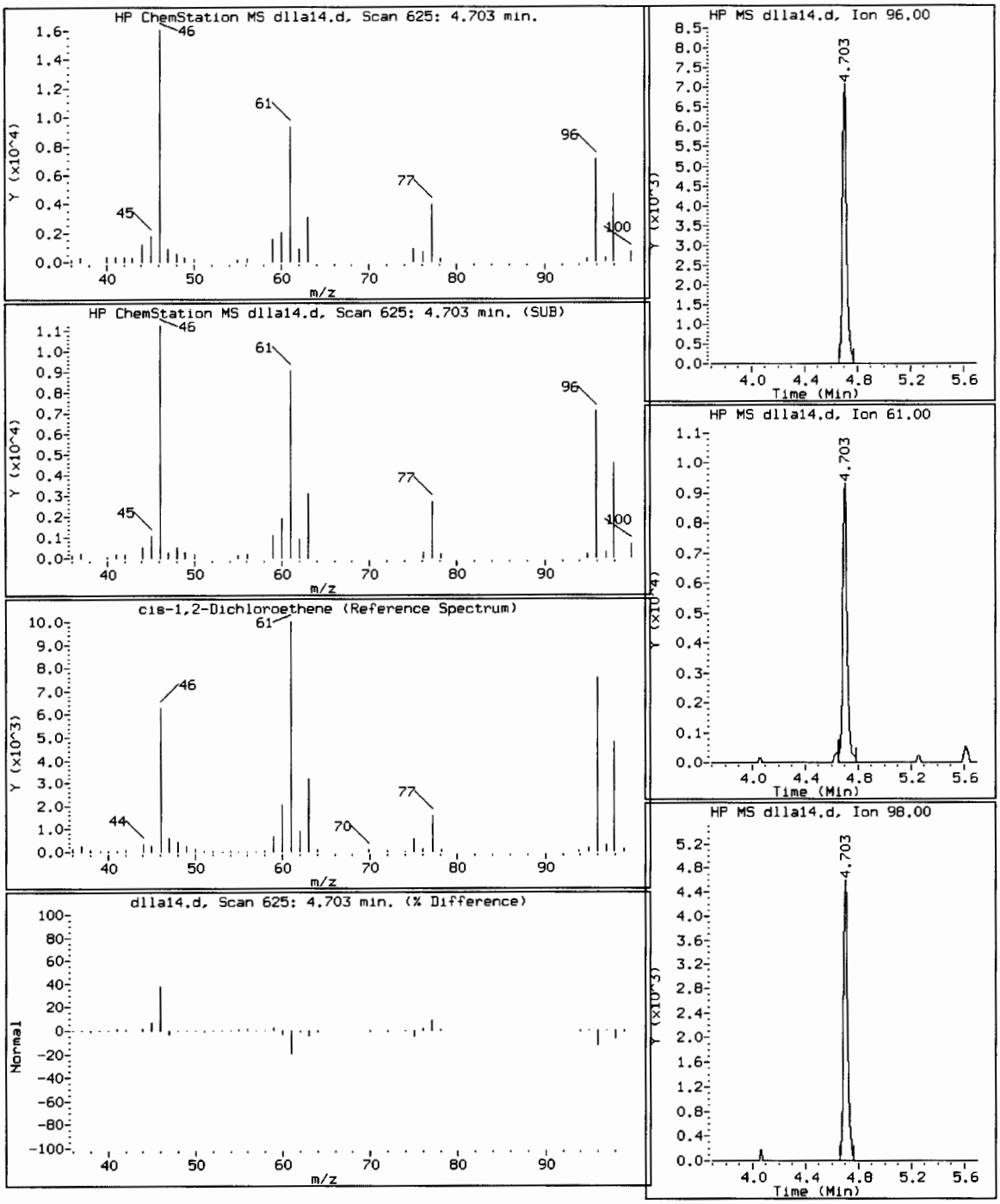
Data File: dlla14.d

Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23

Client ID: MW-17D_050114 Instrument: D.i

Sample Info: 200-22155-B-5 Operator: MTP

20 cis-1,2-Dichloroethene



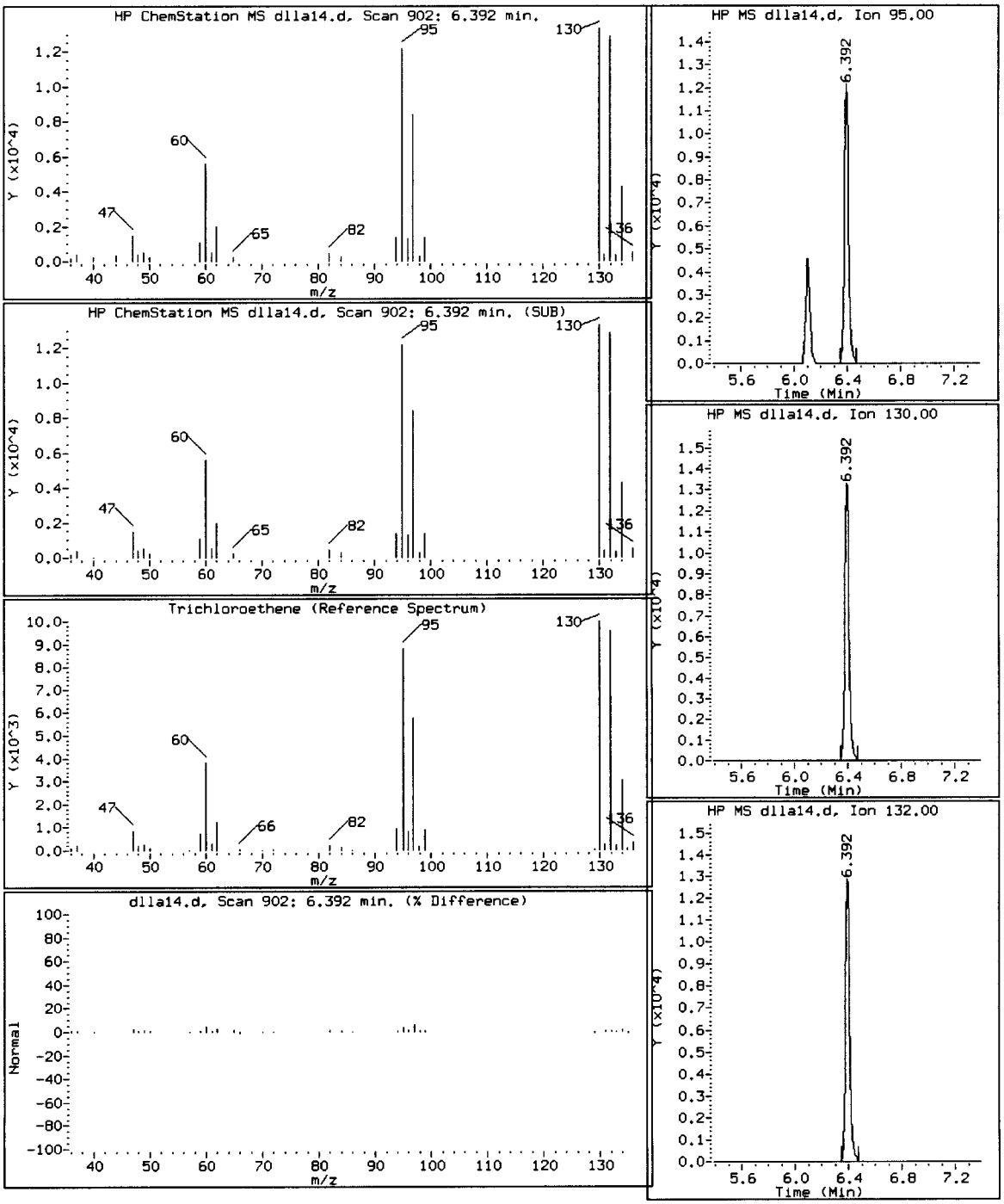
Data File: dlla14.d

Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23

Client ID: MW-17D_050114 Instrument: D.i

Sample Info: 200-22155-B-5 Operator: MTP

33 Trichloroethene



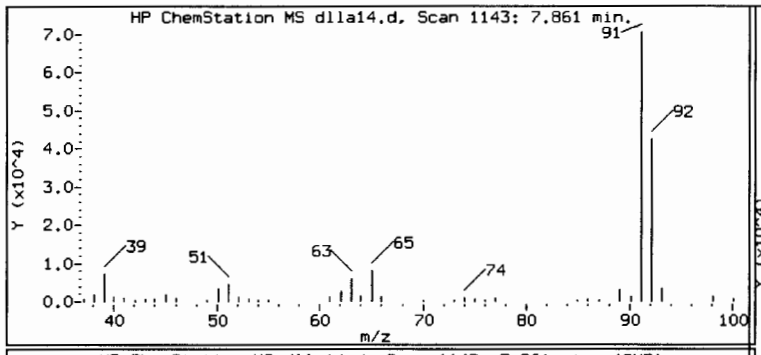
Data File: dlla14.d

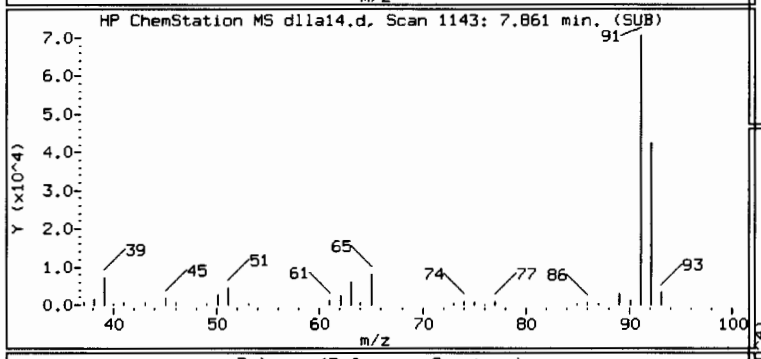
Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23

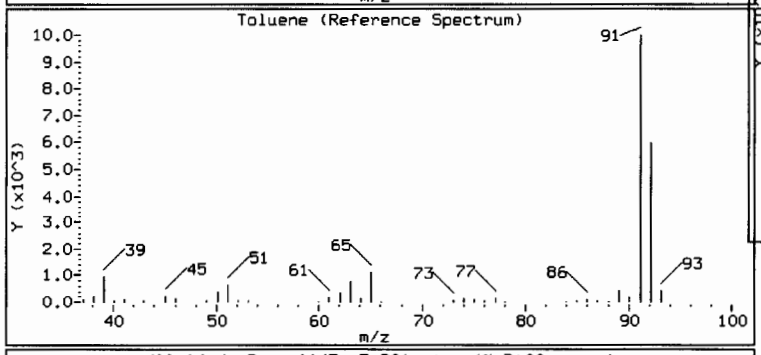
Client ID: MW-17D_050114 Instrument: D.i

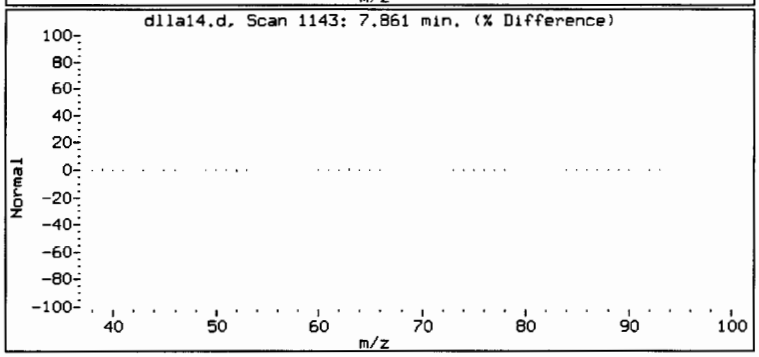
Sample Info: 200-22155-B-5 Operator: MTP

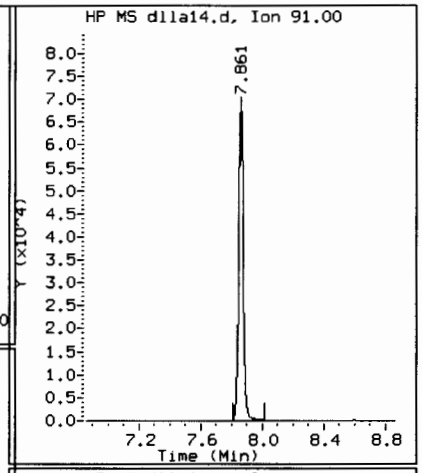
41 Toluene

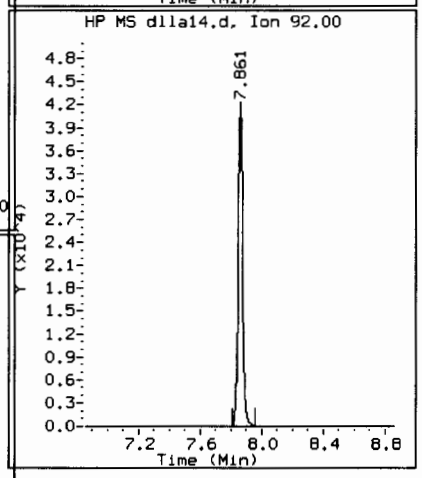












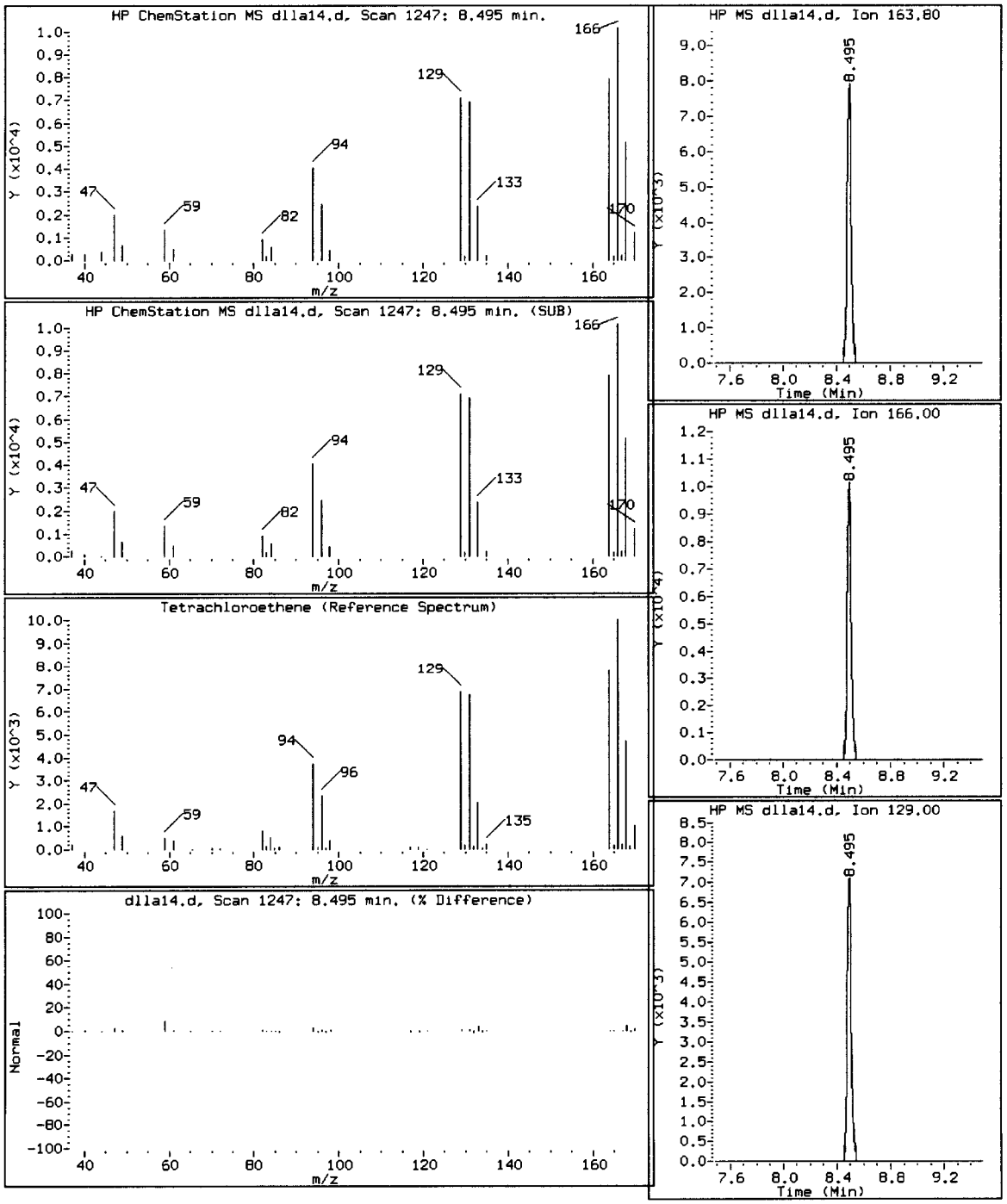
Data File: dlla14.d

Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23

Client ID: MW-17D_050114 Instrument: D.i

Sample Info: 200-22155-B-5 Operator: MTP

45 Tetrachloroethene



Manual Integration Report

Data File: dlla14.d
Lab Sample ID: 200-22155-5
Inj. Date and Time: 08-MAY-2014 16:23
Instrument ID: D.i
Client ID: MW-17D_050114
Compound: 16 trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 05/09/2014

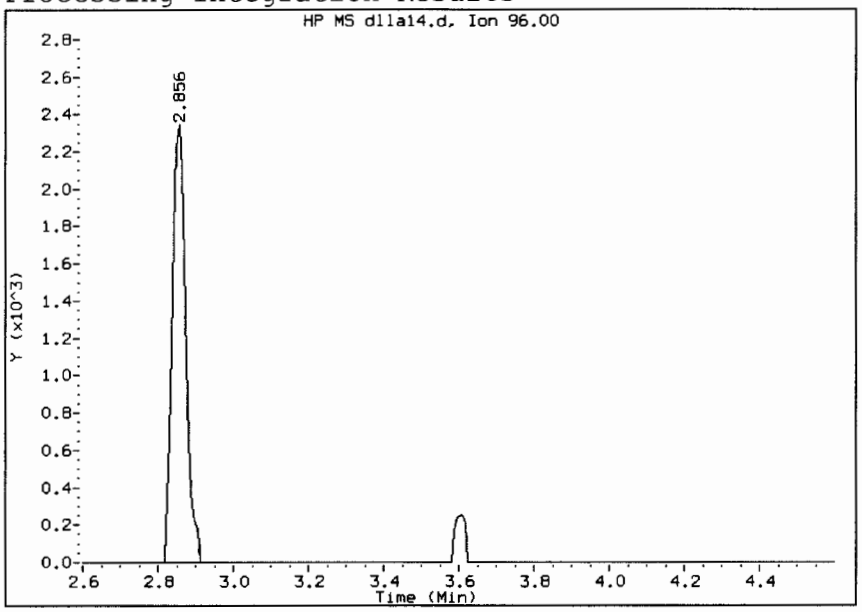
Processing Integration Results

RT: 2.86

Response: 5473

Amount: 6.86

Conc: 0.274333



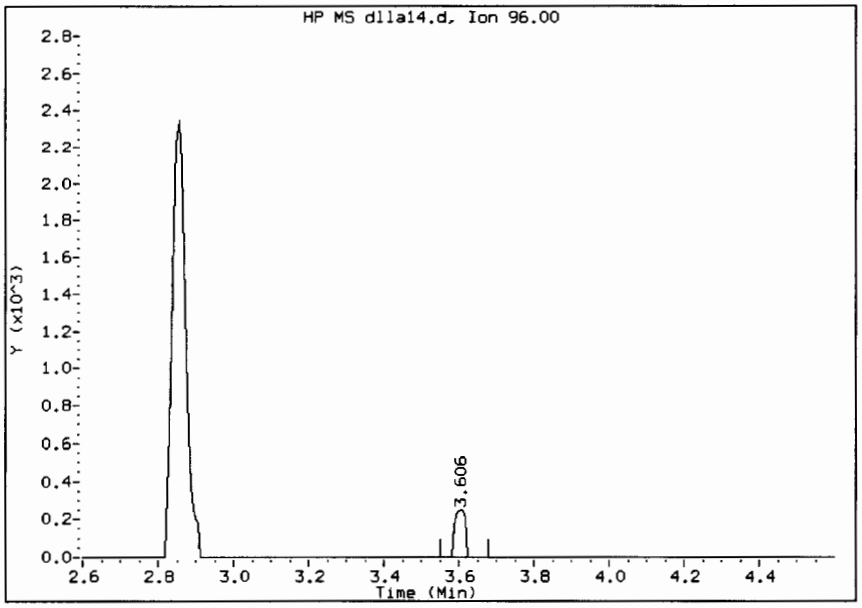
Manual Integration Results

RT: 3.61

Response: 485

Amount: 0.607763

Conc: 0.024311

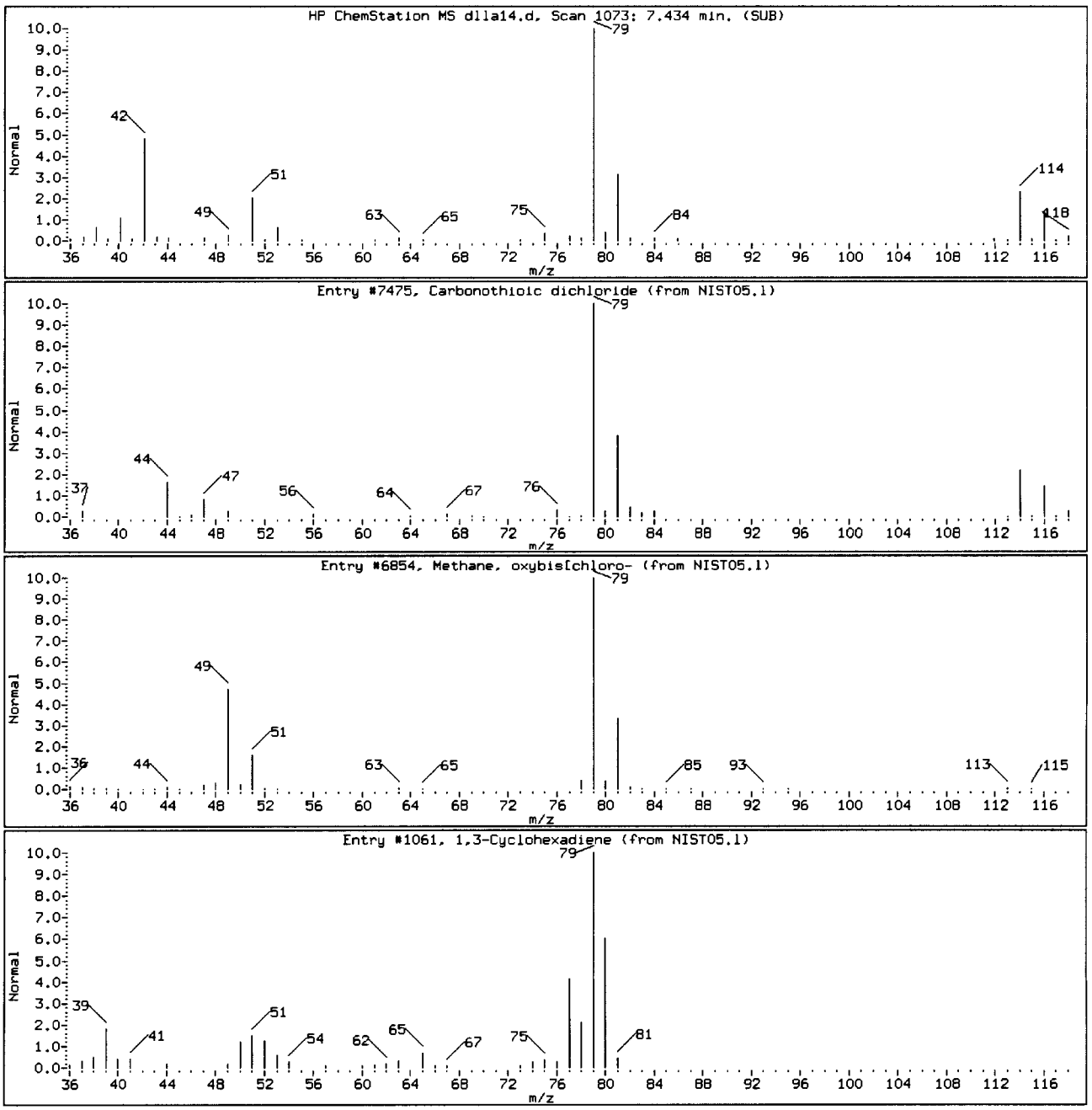


File Uploaded By: wilburj
Manual Integration Reason: Analyte not identified by the data system

Data File: dlla14.d
Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23
Client ID: MW-17D_050114 Instrument: D.i
Sample Info: 200-22155-B-5 Operator: MTP

Retention Time: 7.43

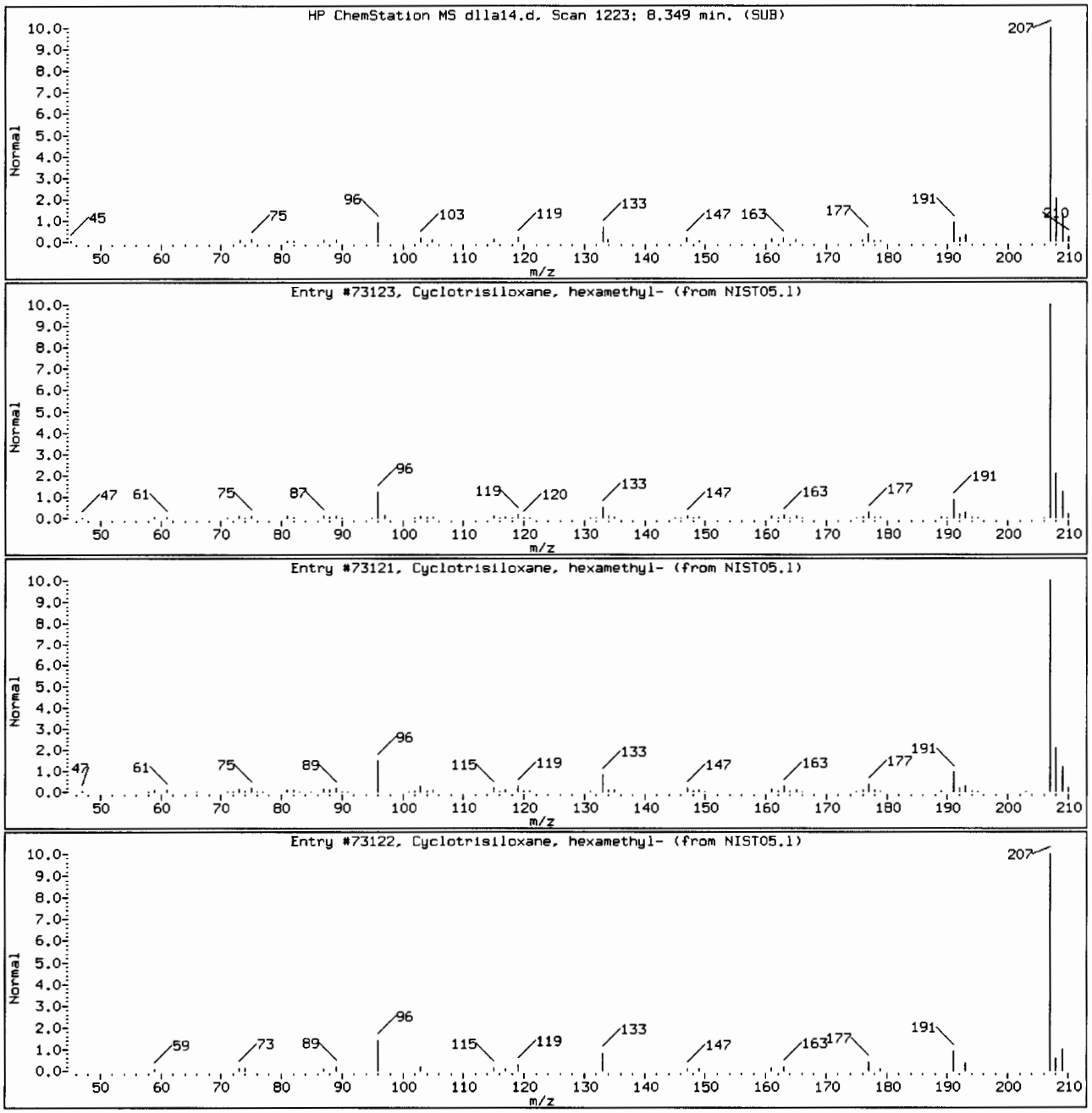
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	38	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	37	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: dlla14.d
Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23
Client ID: MW-17D_050114 Instrument: D.i
Sample Info: 200-22155-B-5 Operator: MTP

Retention Time: 8.35

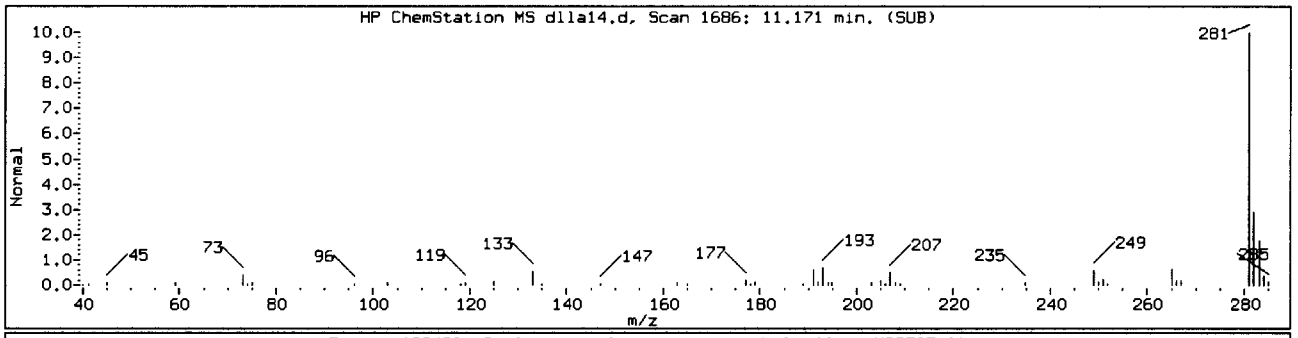
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	49	C6H18O3Si3	222

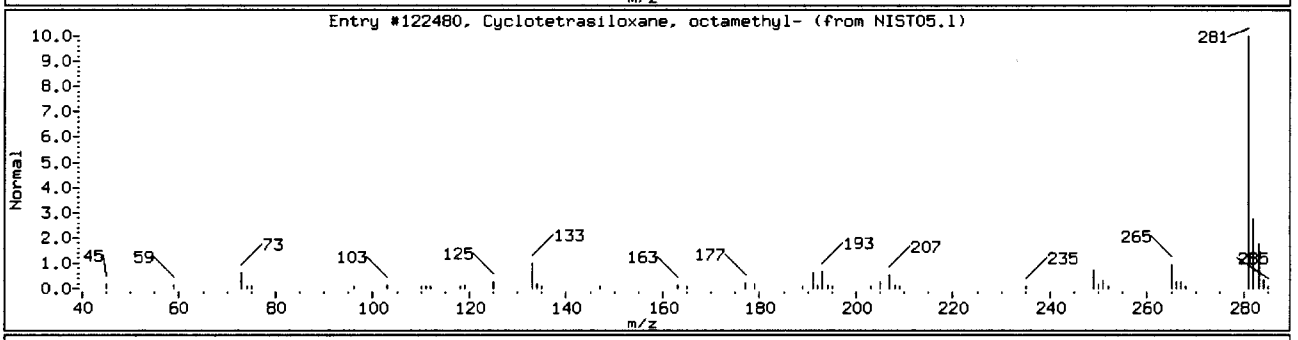


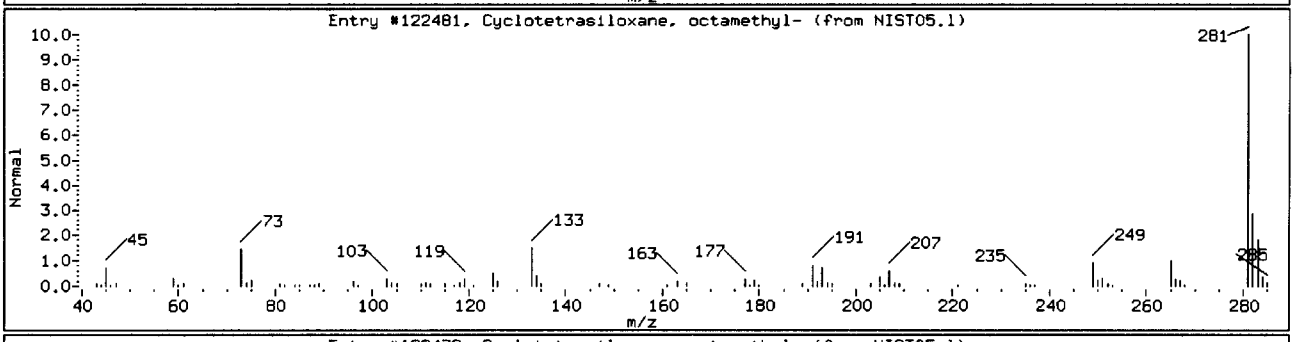
Data File: d11a14.d
Lab Sample ID: 200-22155-5 Date: 08-MAY-2014 16:23
Client ID: MW-17D_050114 Instrument: D.i
Sample Info: 200-22155-B-5 Operator: MTP

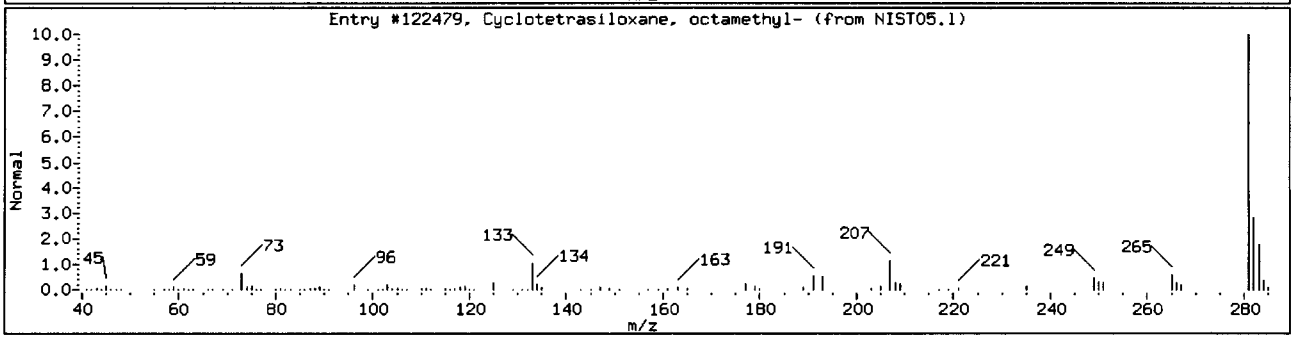
Retention Time: 11.17

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
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	78	C8H24O4Si4	296









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-21D_050114 | Lab Sample ID: 200-22155-6

Matrix: Water | Lab File ID: dlla15.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 10:40

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 16:47

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	3.0	J	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	0.50	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	0.12	J	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	0.33	J	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	2.2		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: MW-21D_050114 Lab Sample ID: 200-22155-6

Matrix: Water Lab File ID: dlla15.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 10:40

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 16:47

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	100		65-131
19199-91-8	Chloroethane-d5	105		71-131
22280-73-5	1,1-Dichloroethene-d2	81		55-104
24313-50-6	2-Butanone-d5	96		49-155
865-49-6	Chloroform-d	97		78-121
17060-07-0	1,2-Dichloroethane-d4	109		78-129
1076-43-3	Benzene-d6	101		77-124
93952-08-0	1,2-Dichloropropane-d6	86		79-124
2037-26-5	Toluene-d8	100		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	94		73-121
4840-82-8	2-Hexanone-d5	101		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	95		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-21D_050114 Lab Sample ID: 200-22155-6

Matrix: Water Lab File ID: d11a15.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 10:40

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 16:47

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: 4.84

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	J B
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.51	J N
	Unknown	11.17	0.72	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-21D_050114 Lab Sample ID: 200-22155-6

Matrix: Water Lab File ID: d11a15.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 10:40

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 16:47

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		0.51	J

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-6
Client Smp ID: MW-21D_050114
Inj Date : 08-MAY-2014 16:47
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-6
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: 15
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)	103564	124.940	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	82177	130.962	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	172015	101.042	4.0
	10 1,1-Dichloroethene	96	Compound Not Detected.					
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.929	2.972	(0.480)	4569	75.2094	3.0(a)
	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	3.612	3.600	(0.592)	287	0.35071	0.014(aQM)
	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)	113121	1203.23	48
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	2467	3.06477	0.12(a)
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	174001	121.232	4.8
	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	5.612	5.612	(0.919)	69009	135.941	5.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	425235	126.071	5.0
	30 Benzene	78	5.673	5.673	(0.599)	3553	1.02308	0.041(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	359840	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	7615	8.34637	0.33(a)
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	101670	107.673	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)	417726	125.077	5.0
	41 Toluene	91	7.861	7.861	(0.830)	205292	54.2291	2.2
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	81223	117.687	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)	772	0.84310	0.034(aM)
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	98478	1256.33	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	9.477	9.477	(1.000)	288680	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	9.641	9.641	(1.017)	2267	0.48964	0.020(aQ)
	53 m,p-Xylene	106	9.781	9.782	(1.032)	2370	1.28893	0.052(a)
	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)	38502	118.429	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)	145264	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)	124116	119.355	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.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-6
Client Smp ID: MW-21D_050114
Inj Date : 08-MAY-2014 16:47
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-6
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: 15
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	783894	125.000
* 50 Chlorobenzene-d5	9.477	835358	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	802527	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown					CAS #:		
7.434	482851	76.9955830	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	85793	12.8377592	0.51	90	NIST05.1	73123	50
Unknown				CAS #:			
11.171	115693	18.0201075	0.72	0		0	61
Unknown alkane				CAS #:			
12.074	81725	12.7293724	0.51	0		0	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla15.d

Date : 08-MAY-2014 16:47

Client ID: MW-21D_050114

Sample Info: 200-22155-C-6

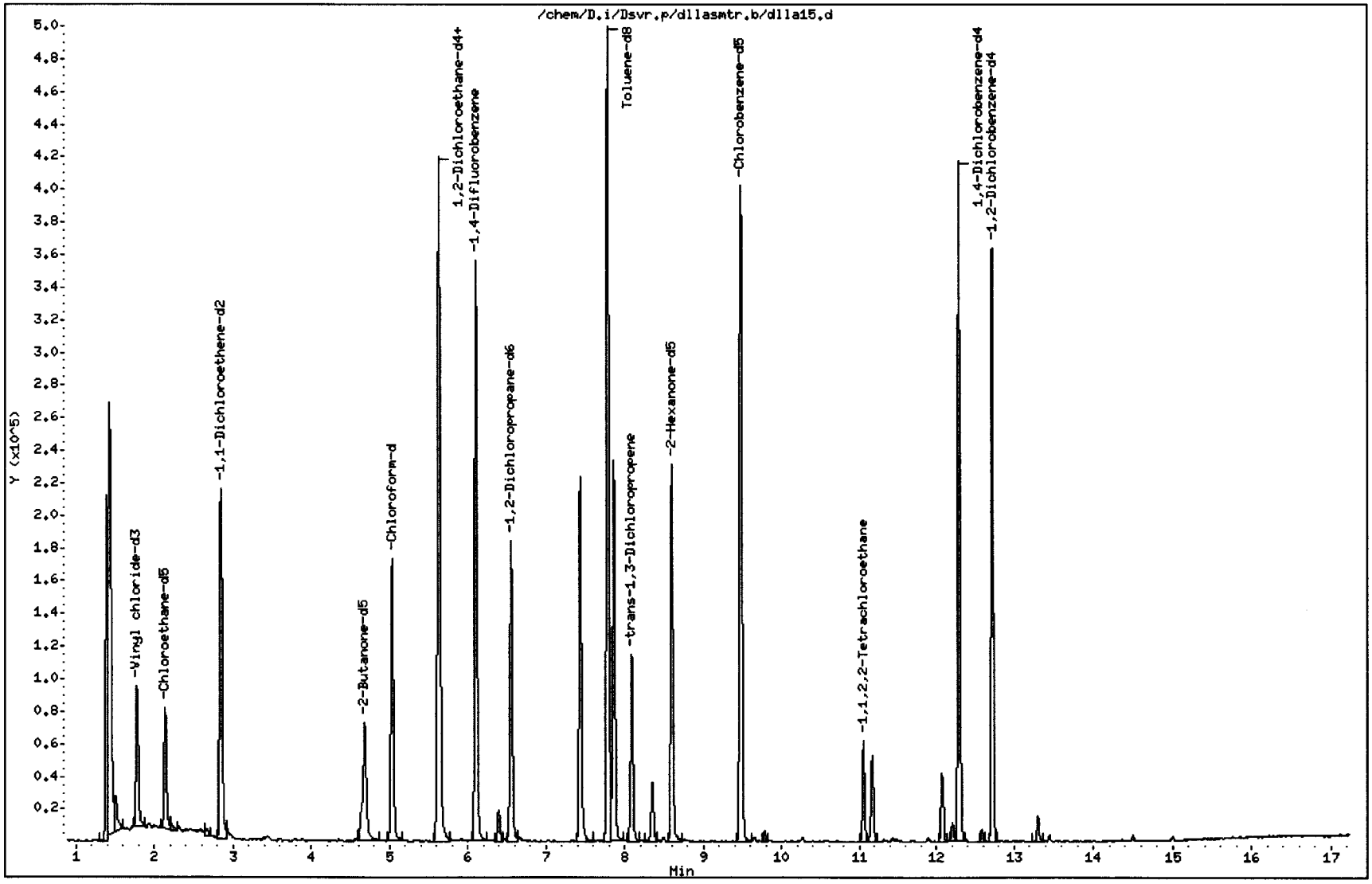
Purge Volume: 25.0

Column phase: DB-624

Instrument: D.i

Operator: MTP

Column diameter: 0.20



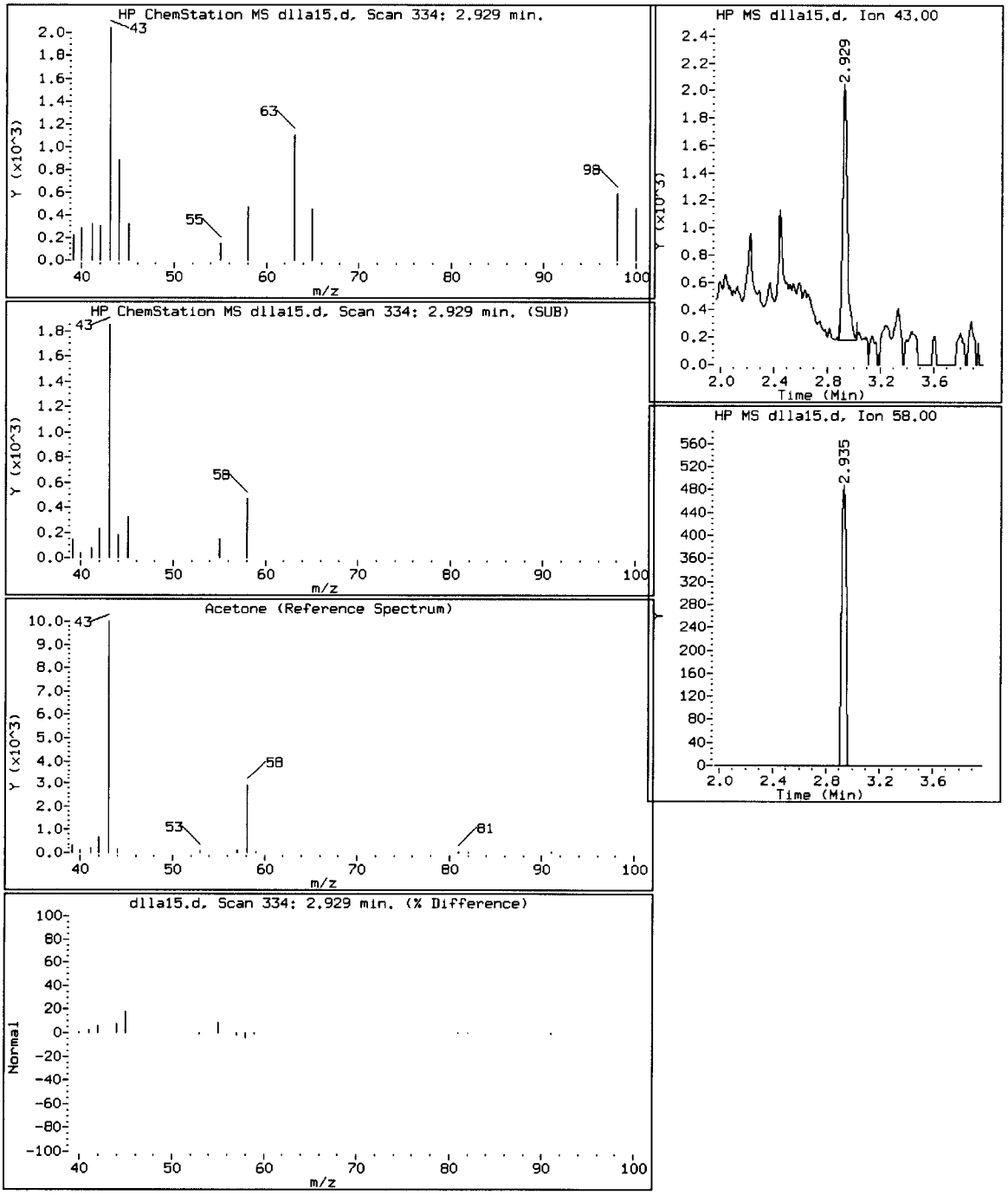
Data File: dlla15.d

Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47

Client ID: MW-21D_050114 Instrument: D.i

Sample Info: 200-22155-C-6 Operator: MTP

12 Acetone



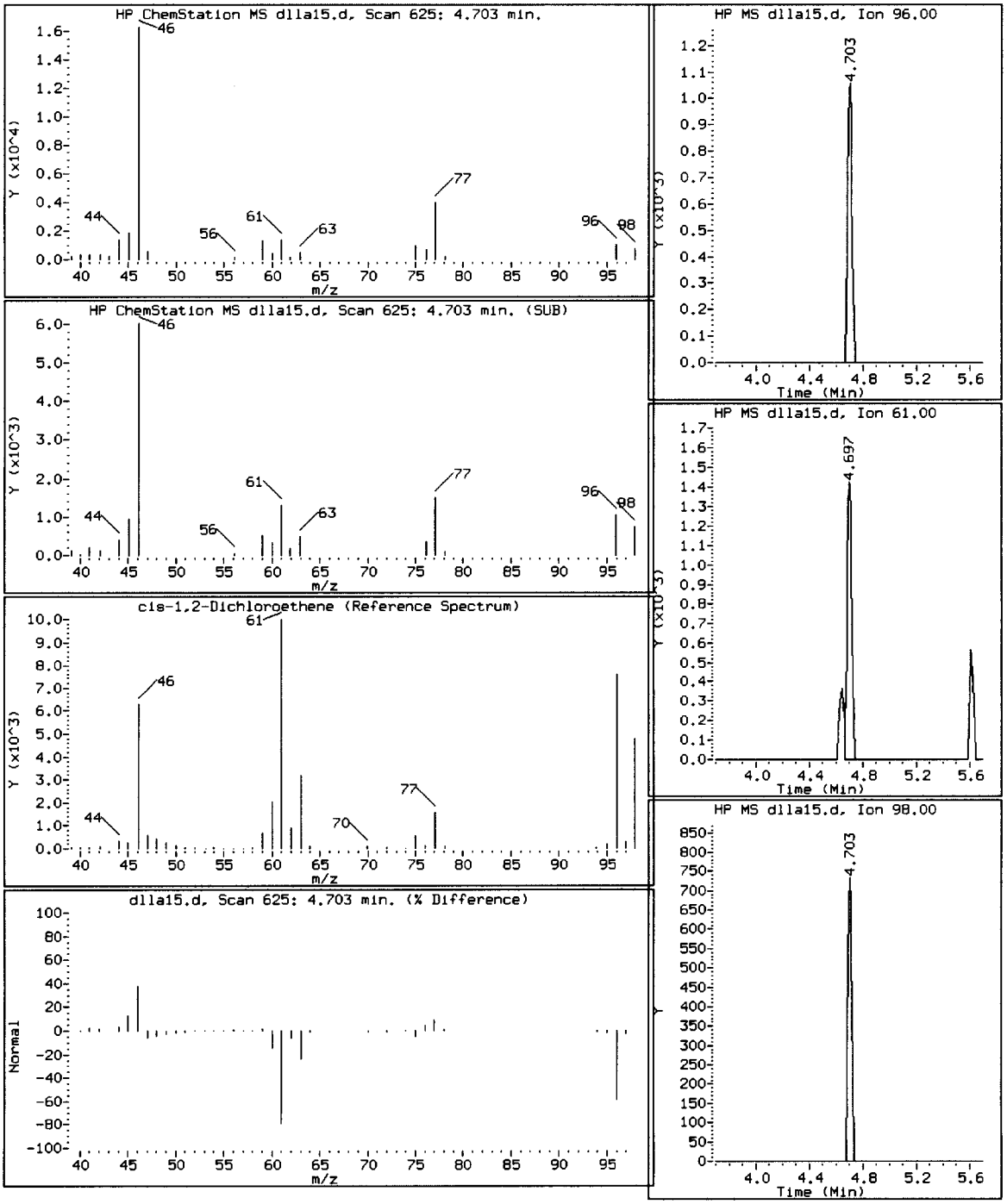
Data File: dlla15.d

Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47

Client ID: MW-21D_050114 Instrument: D.i

Sample Info: 200-22155-C-6 Operator: MTP

20 cis-1,2-Dichloroethene



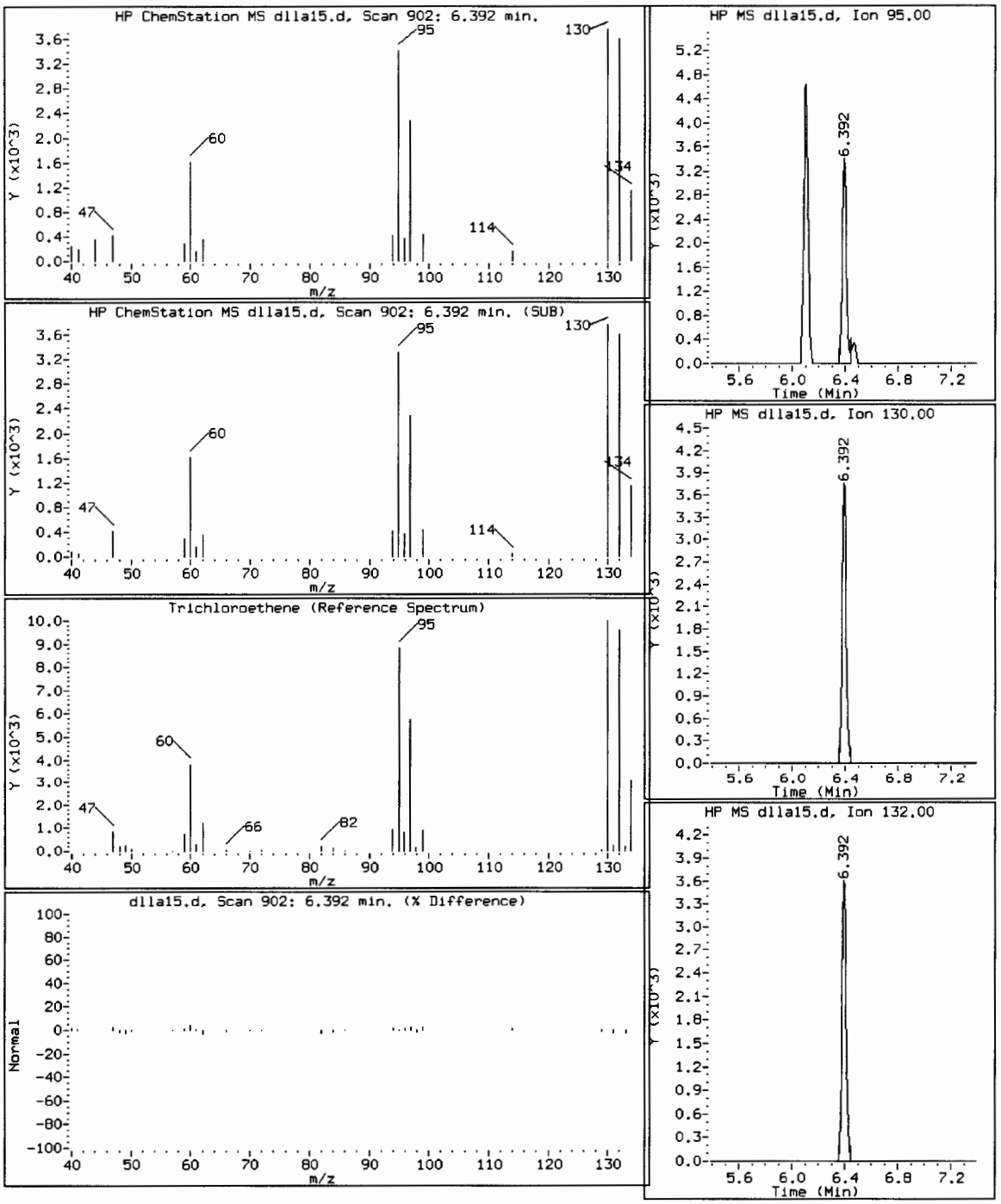
Data File: dlla15.d

Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47

Client ID: MW-21D_050114 Instrument: D.i

Sample Info: 200-22155-C-6 Operator: MTP

33 Trichloroethene



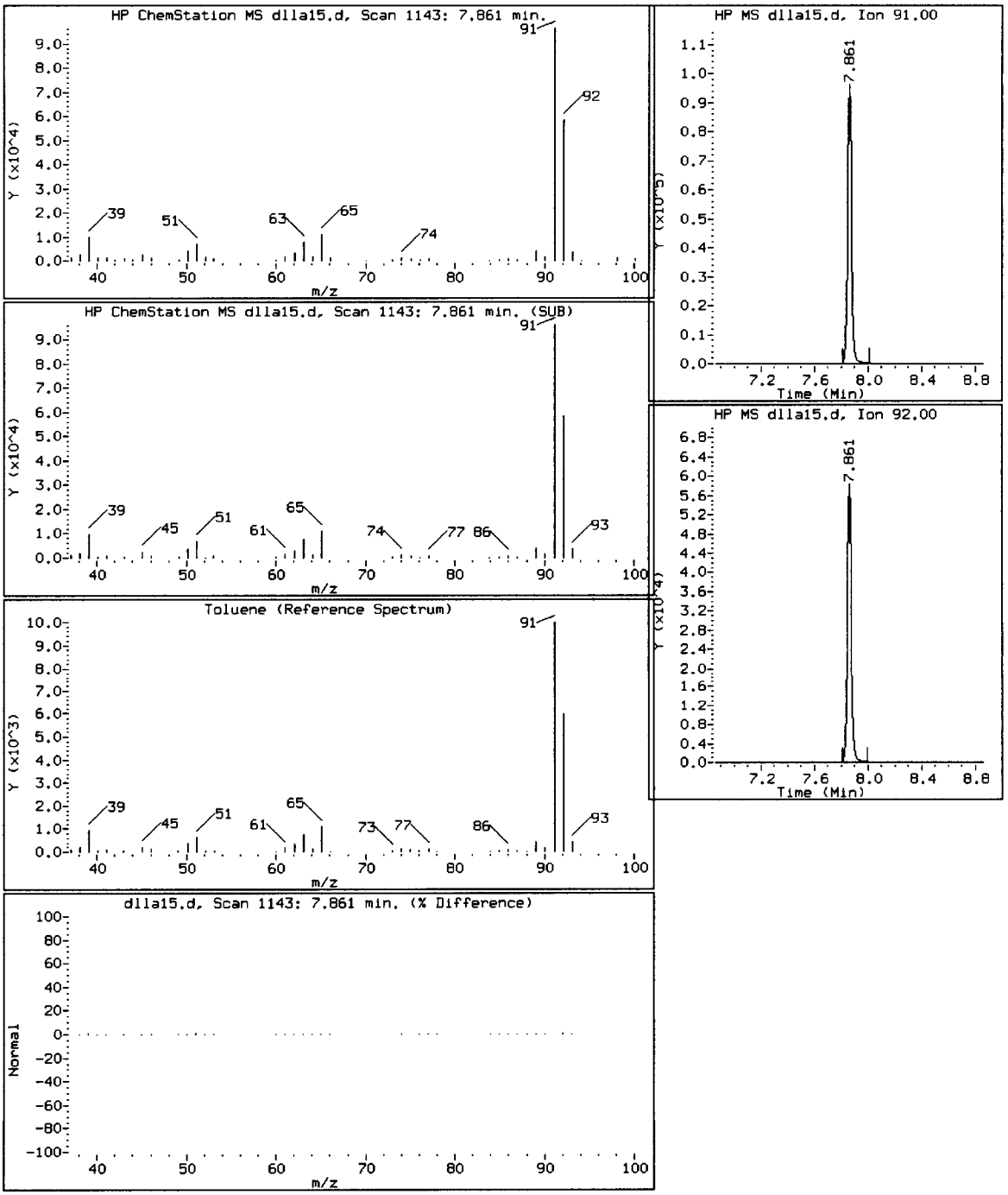
Data File: dlla15.d

Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47

Client ID: MW-21D_050114 Instrument: D.i

Sample Info: 200-22155-C-6 Operator: MTP

41 Toluene



Manual Integration Report

Data File: dlla15.d
Lab Sample ID: 200-22155-6
Inj. Date and Time: 08-MAY-2014 16:47
Instrument ID: D.i
Client ID: MW-21D_050114
Compound: 16 trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 05/09/2014

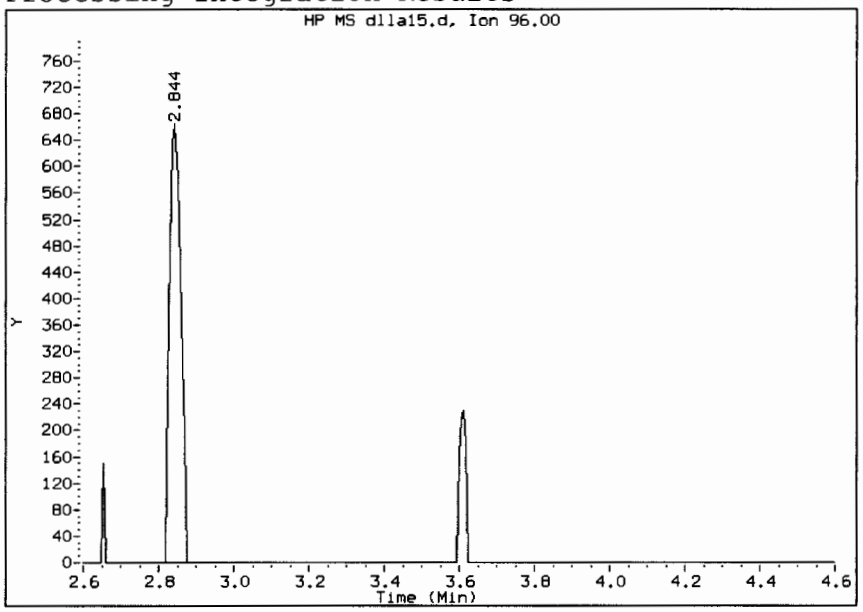
Processing Integration Results

RT: 2.84

Response: 1306

Amount: 1.60

Conc: 0.063836



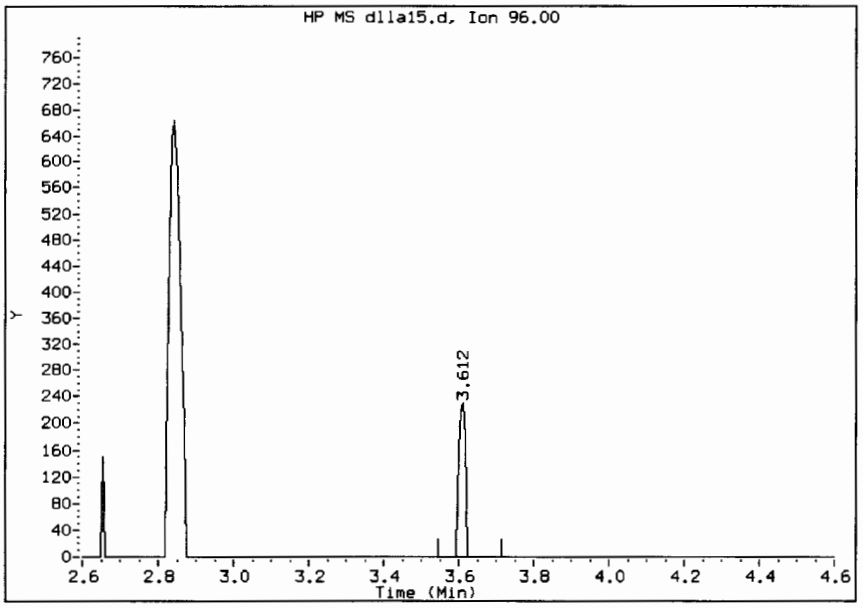
Manual Integration Results

RT: 3.61

Response: 287

Amount: 0.350707

Conc: 0.014028



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

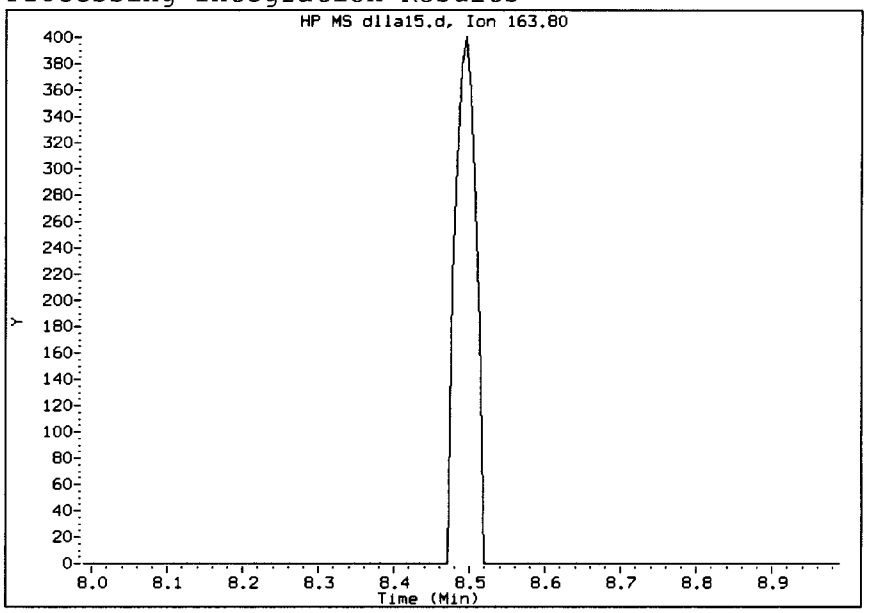
Manual Integration Report

Data File: dlla15.d
Lab Sample ID: 200-22155-6
Inj. Date and Time: 08-MAY-2014 16:47
Instrument ID: D.i
Client ID: MW-21D_050114
Compound: 45 Tetrachloroethene
CAS #: 127-18-4
Report Date: 05/09/2014

Processing Integration Results

Not Detected

Expected RT: 8.49



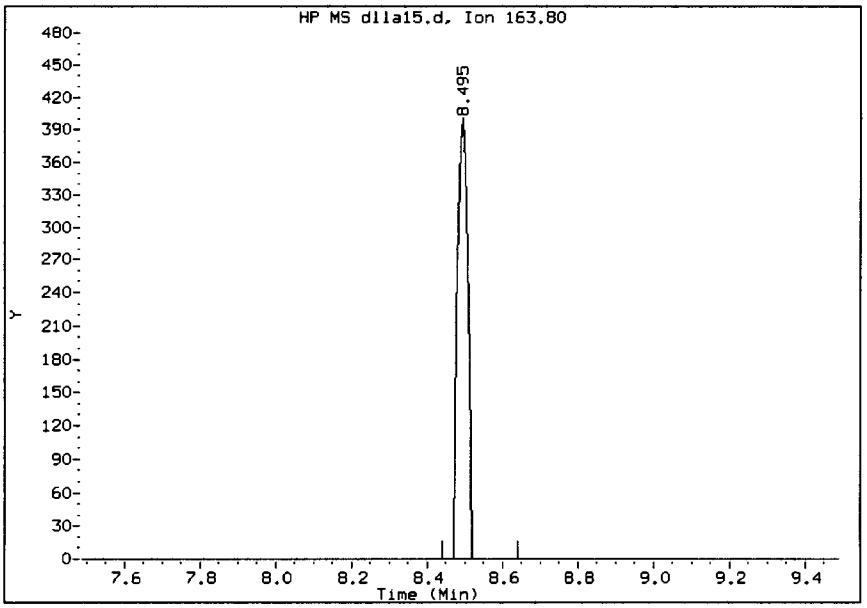
Manual Integration Results

RT: 8.50

Response: 772

Amount: 0.843096

Conc: 0.033724

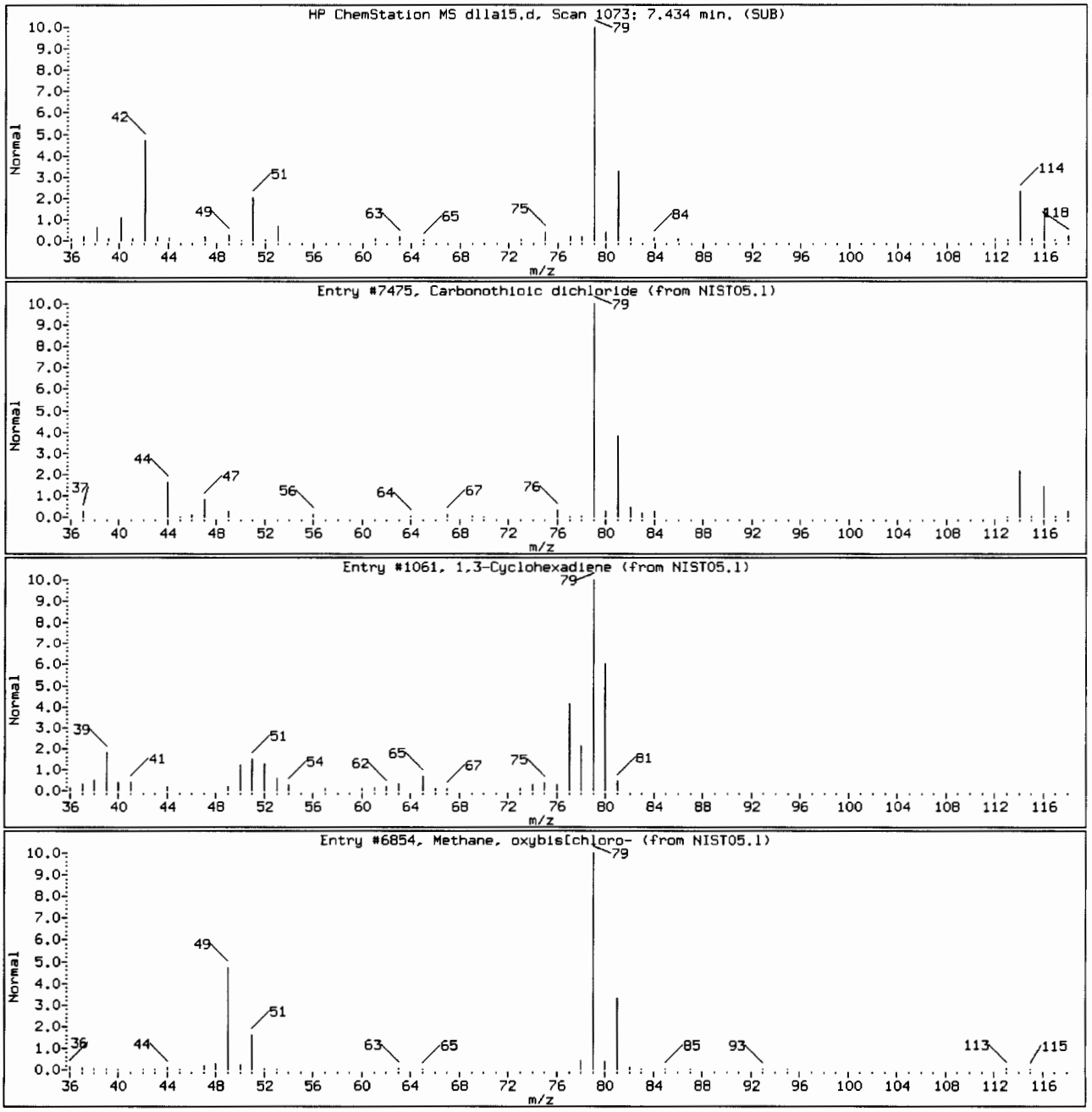


File Uploaded By: wilburj
Manual Integration Reason: Analyte not identified by the data system

Data File: dlla15.d
Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47
Client ID: MW-21D_050114 Instrument: D.i
Sample Info: 200-22155-C-6 Operator: MTP

Retention Time: 7.43

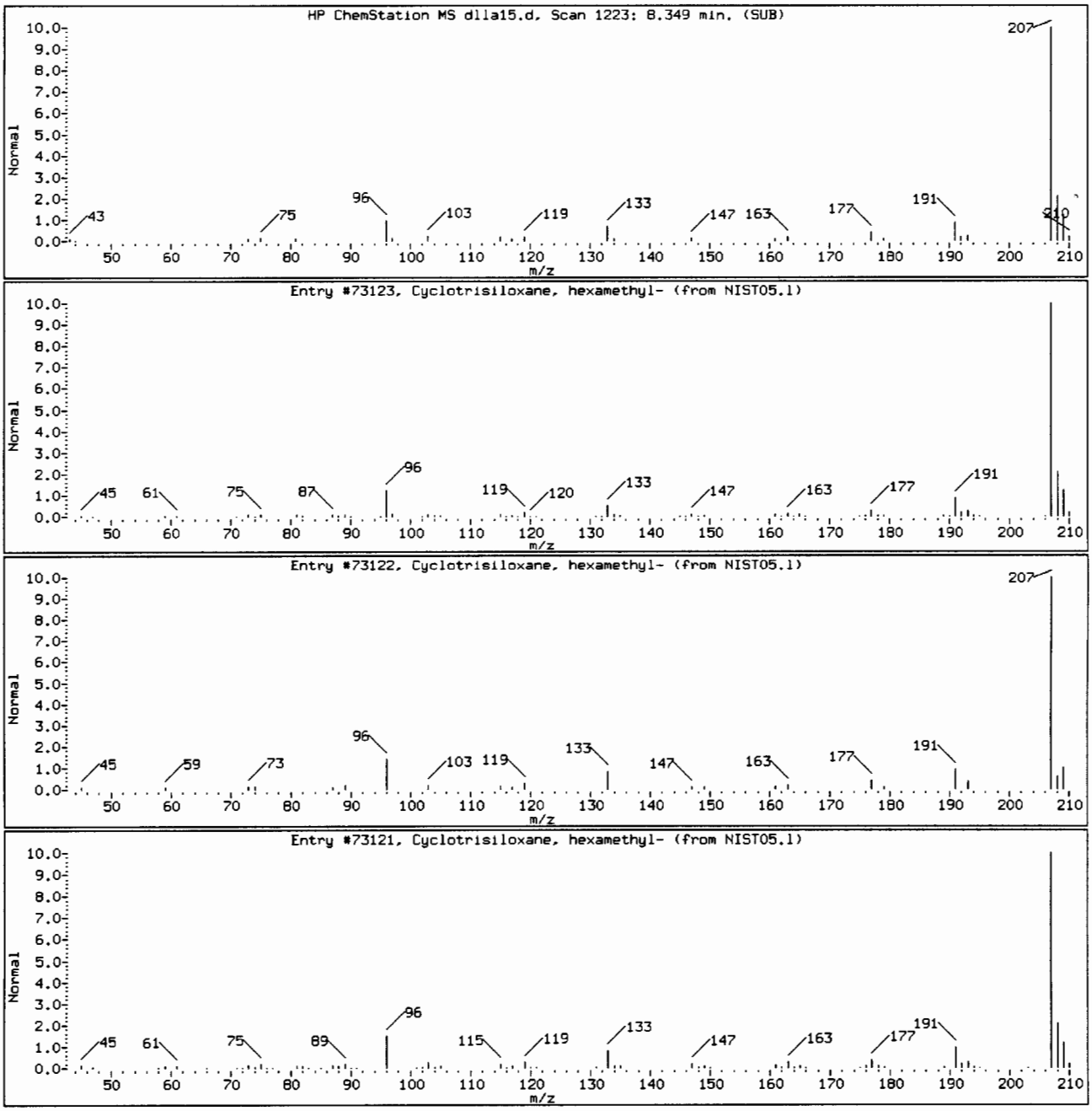
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Data File: d11a15.d
Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47
Client ID: MW-21D_050114 Instrument: D.i
Sample Info: 200-22155-C-6 Operator: MTP

Retention Time: 8.35

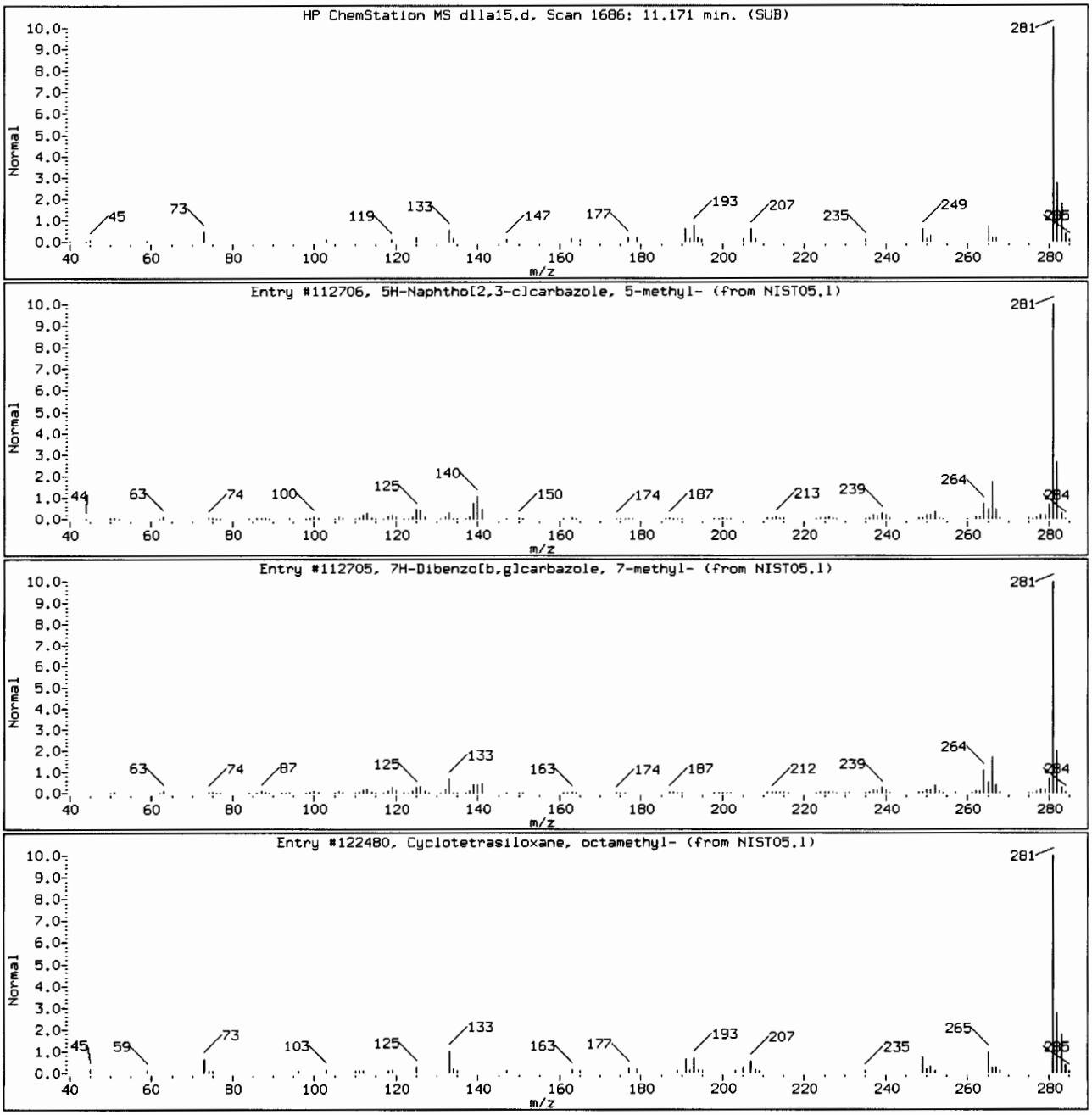
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73122	80	C6H18O3Si3	222
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	47	C6H18O3Si3	222



Data File: d11a15.d
Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47
Client ID: MW-21D_050114 Instrument: D.i
Sample Info: 200-22155-C-6 Operator: MTP

Retention Time: 11.17

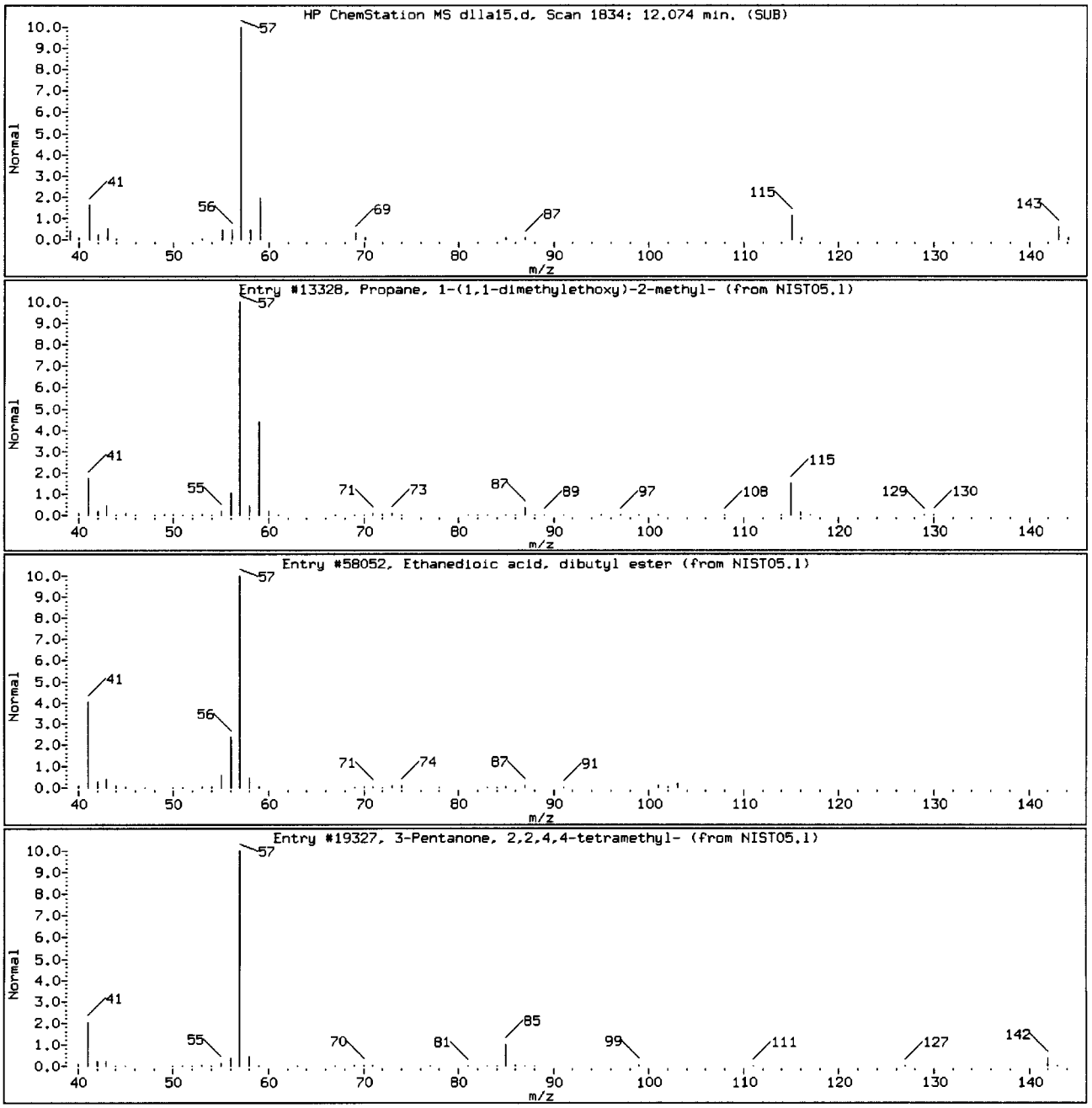
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
5H-Naphtho[2,3-c]carbazole, 5-meth	100025-44-3	NIST05.1	112706	64	C21H15N	281
7H-Dibenzo[b,g]carbazole, 7-methyl	3557-49-1	NIST05.1	112705	59	C21H15N	281
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122480	53	C8H24O4Si4	296



Data File: d11a15.d
Lab Sample ID: 200-22155-6 Date: 08-MAY-2014 16:47
Client ID: MW-21D_050114 Instrument: D.i
Sample Info: 200-22155-C-6 Operator: MTP

Retention Time: 12.07

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown alkane						
Propane, 1-(1,1-dimethylethoxy)-2-	33021-02-2	NIST05.1	13328	23	C8H18O	130
Ethanedioic acid, dibutyl ester	2050-60-4	NIST05.1	58052	12	C10H18O4	202
3-Pentanone, 2,2,4,4-tetramethyl-	815-24-7	NIST05.1	19327	12	C9H18O	142



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-21S_050114 | Lab Sample ID: 200-22155-7

Matrix: Water | Lab File ID: dlla16.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 11:25

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 17:12

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	3.3	J	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	0.082	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	5.0		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	3.5		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	1.5		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	2.9		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-21S_050114 | Lab Sample ID: 200-22155-7

Matrix: Water | Lab File ID: d11a16.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 11:25

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 17:12

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	100		65-131
19199-91-8	Chloroethane-d5	105		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	108		78-129
1076-43-3	Benzene-d6	101		77-124
93952-08-0	1,2-Dichloropropane-d6	89		79-124
2037-26-5	Toluene-d8	100		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	96		73-121
4840-82-8	2-Hexanone-d5	101		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	98		73-125
2199-69-1	1,2-Dichlorobenzene-d4	99		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-21S_050114 Lab Sample ID: 200-22155-7

Matrix: Water Lab File ID: dlla16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 11:25

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 17:12

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: 2 TIC Result Total: 3.79

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	J B
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.69	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-21S_050114 Lab Sample ID: 200-22155-7

Matrix: Water Lab File ID: dlla16.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 11:25

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 17:12

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: 200-22155-7
Client Smp ID: MW-21S_050114
Inj Date : 08-MAY-2014 17:12
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-7
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: 16
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)	100956	124.780	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	80152	130.867	5.2
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	170935	102.870	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	2.929	2.972	(0.480)	4962	83.6815	3.3(a)
	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)	1644	2.05819	0.082(aQ)
	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	(0.767)	113460	1236.43	49
	20 cis-1,2-Dichloroethene	96	4.697	4.697	(0.770)	99157	126.204	5.0
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.825)	175139	125.017	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	5.435	5.435	(0.573)	1025	0.78128	0.031(aQ)
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.920)	67119	135.461	5.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	415178	126.405	5.1
	30 Benzene	78	5.673	5.673	(0.599)	2672	0.79012	0.032(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.099	6.099	(1.000)	351227	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	78426	88.2737	3.5
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	101796	110.710	4.4
	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)	407839	125.406	5.0
	41 Toluene	91	7.861	7.861	(0.830)	133757	36.2845	1.5
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	80759	120.167	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)	65274	73.2055	2.9
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	96843	1268.75	51
	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)	281108	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	9.641	9.641	(1.017)	2018	0.44760	0.018(aQ)
	53 m,p-Xylene	106	9.788	9.782	(1.033)	2427	1.35549	0.054(a)
	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)	38604	121.941	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)	140248	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)	124313	123.820	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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-7
Client Smp ID: MW-21S_050114
Inj Date : 08-MAY-2014 17:12
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-7
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: 16
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

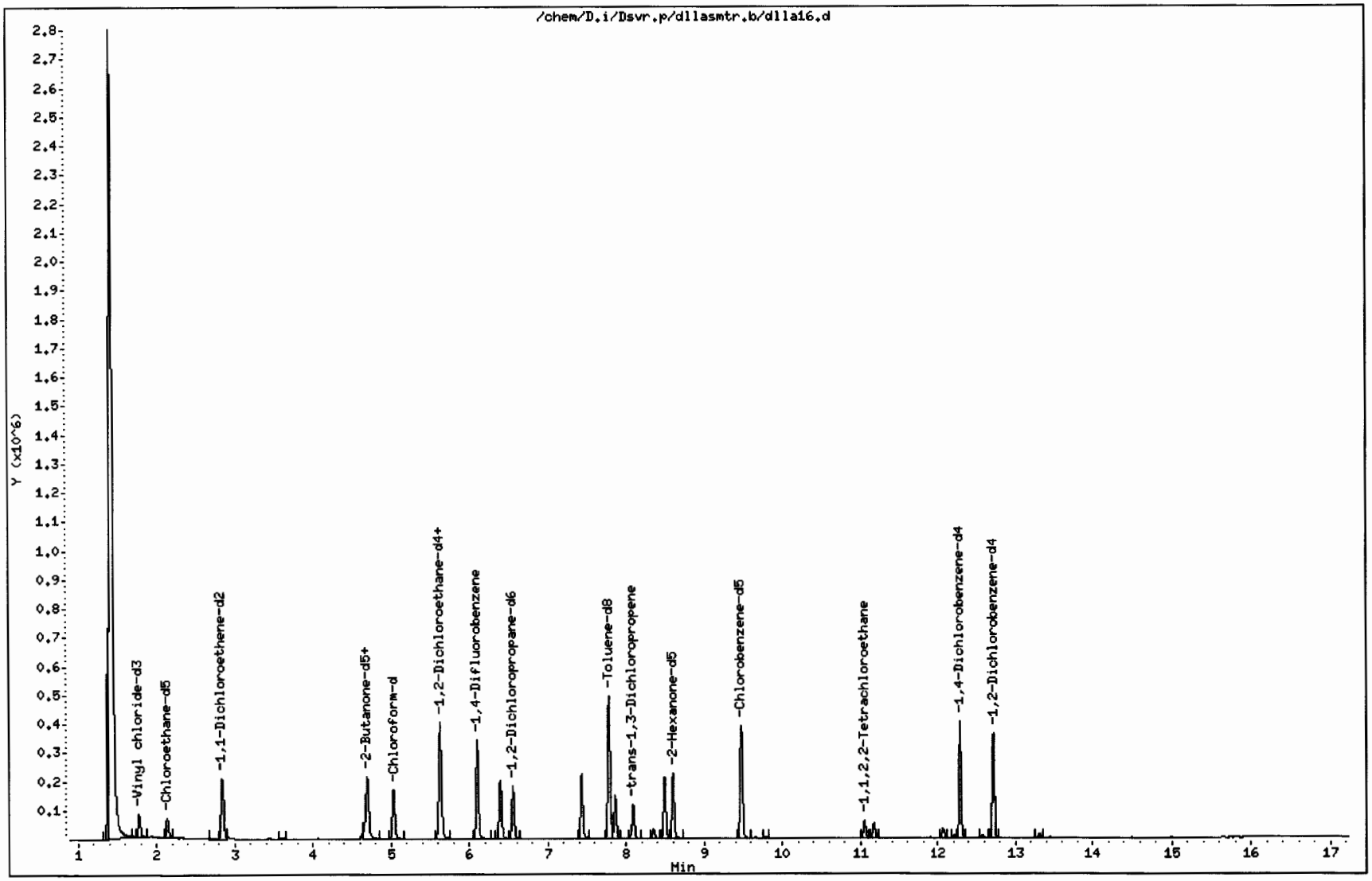
ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.099	767838	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	775854	125.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	476483	77.5689018	3.1	0		0	32
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	106981	17.2360448	0.69	90	NIST05.1	122481	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla16.d
Date : 08-MAY-2014 17:12
Client ID: MW-21S_050114
Sample Info: 200-22155-C-7
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



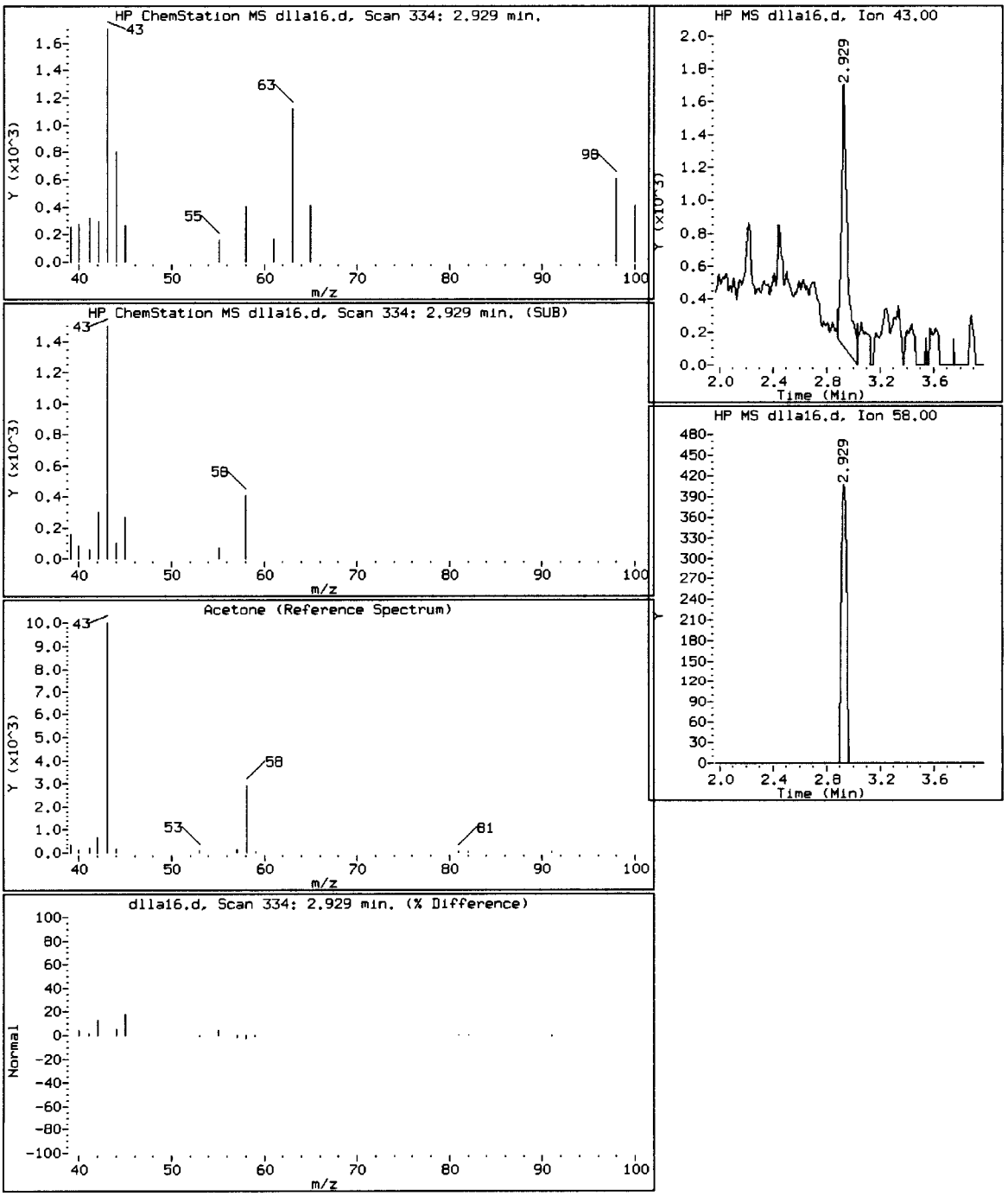
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

12 Acetone



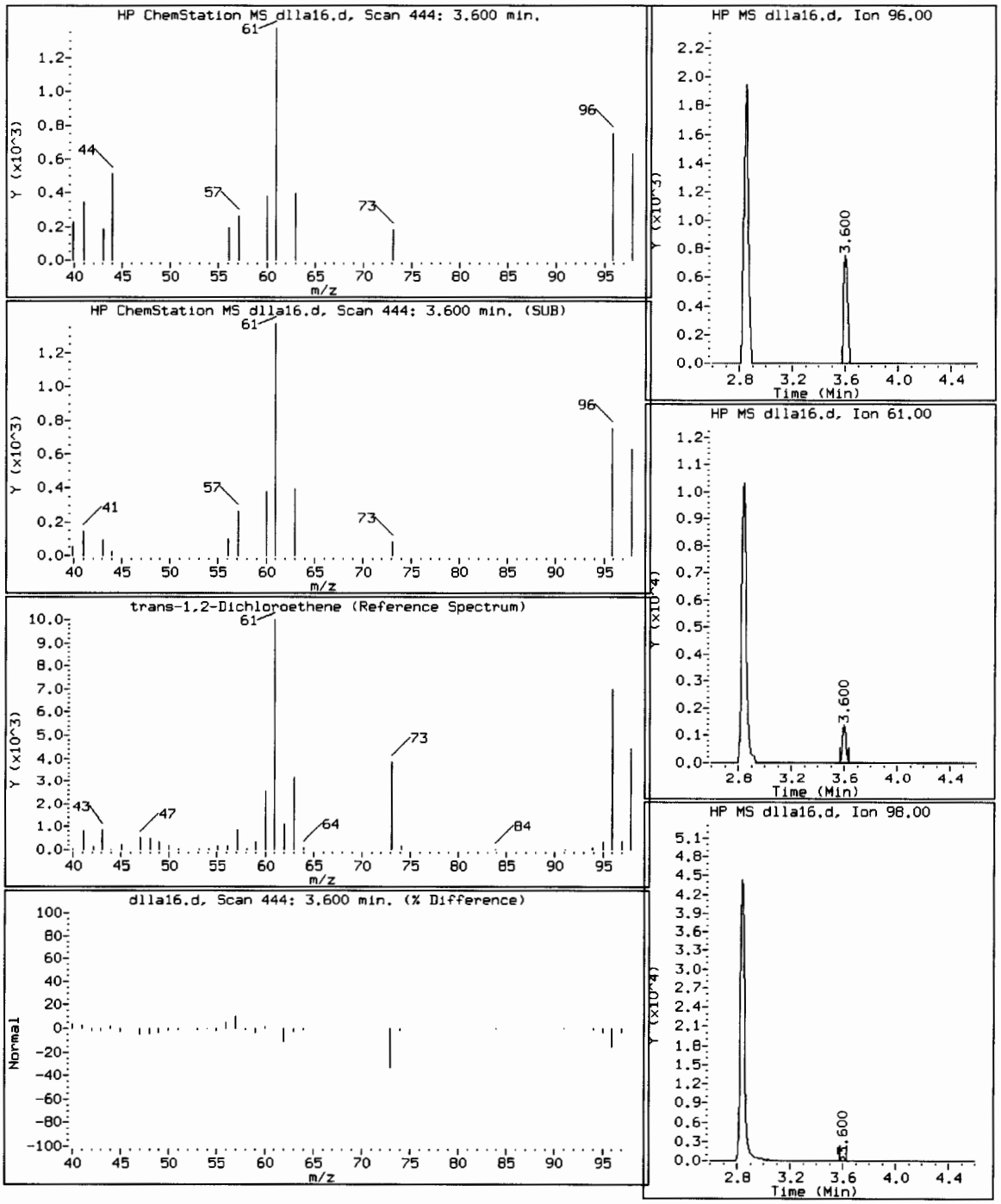
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

16 trans-1,2-Dichloroethene



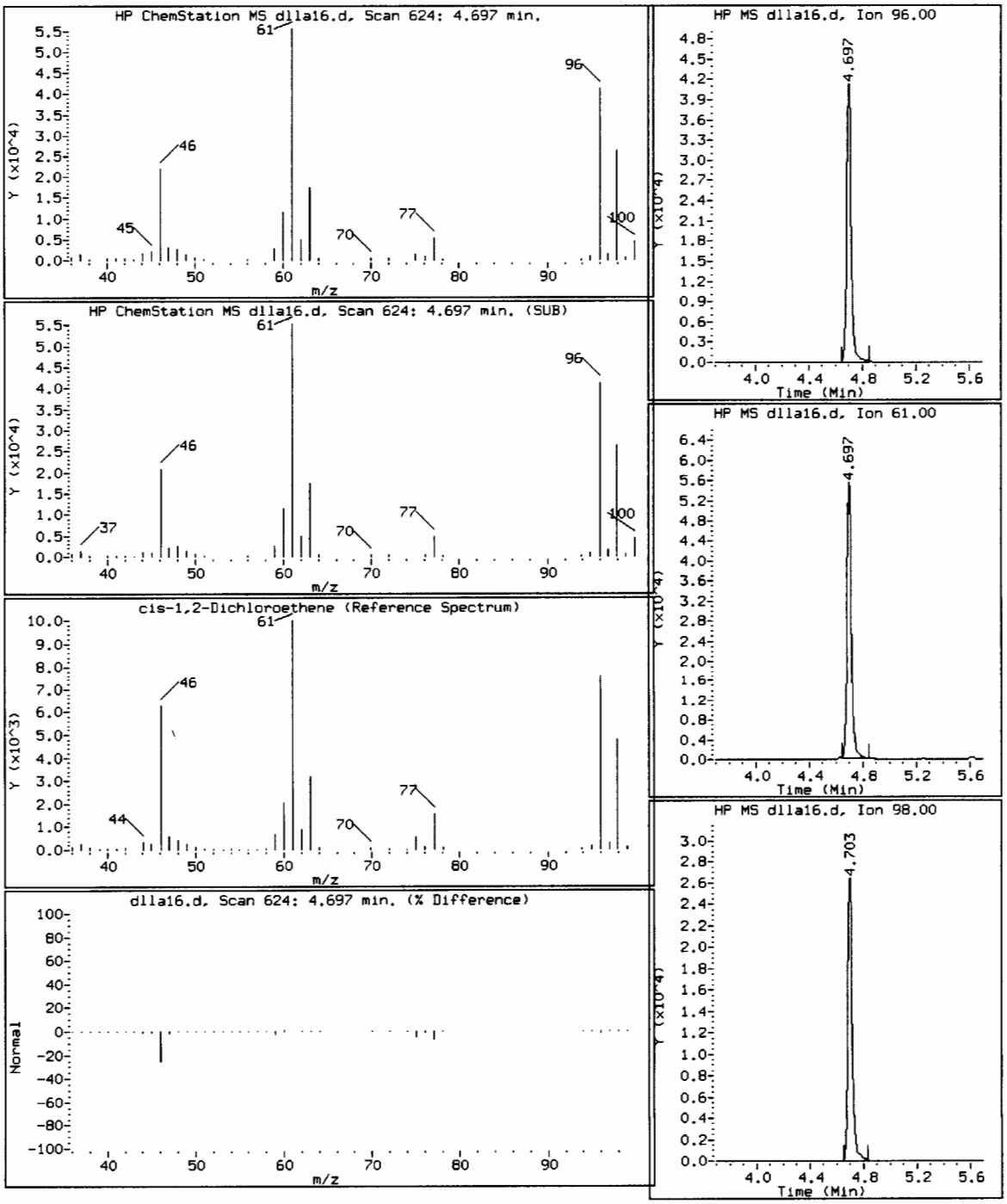
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

20 cis-1,2-Dichloroethene



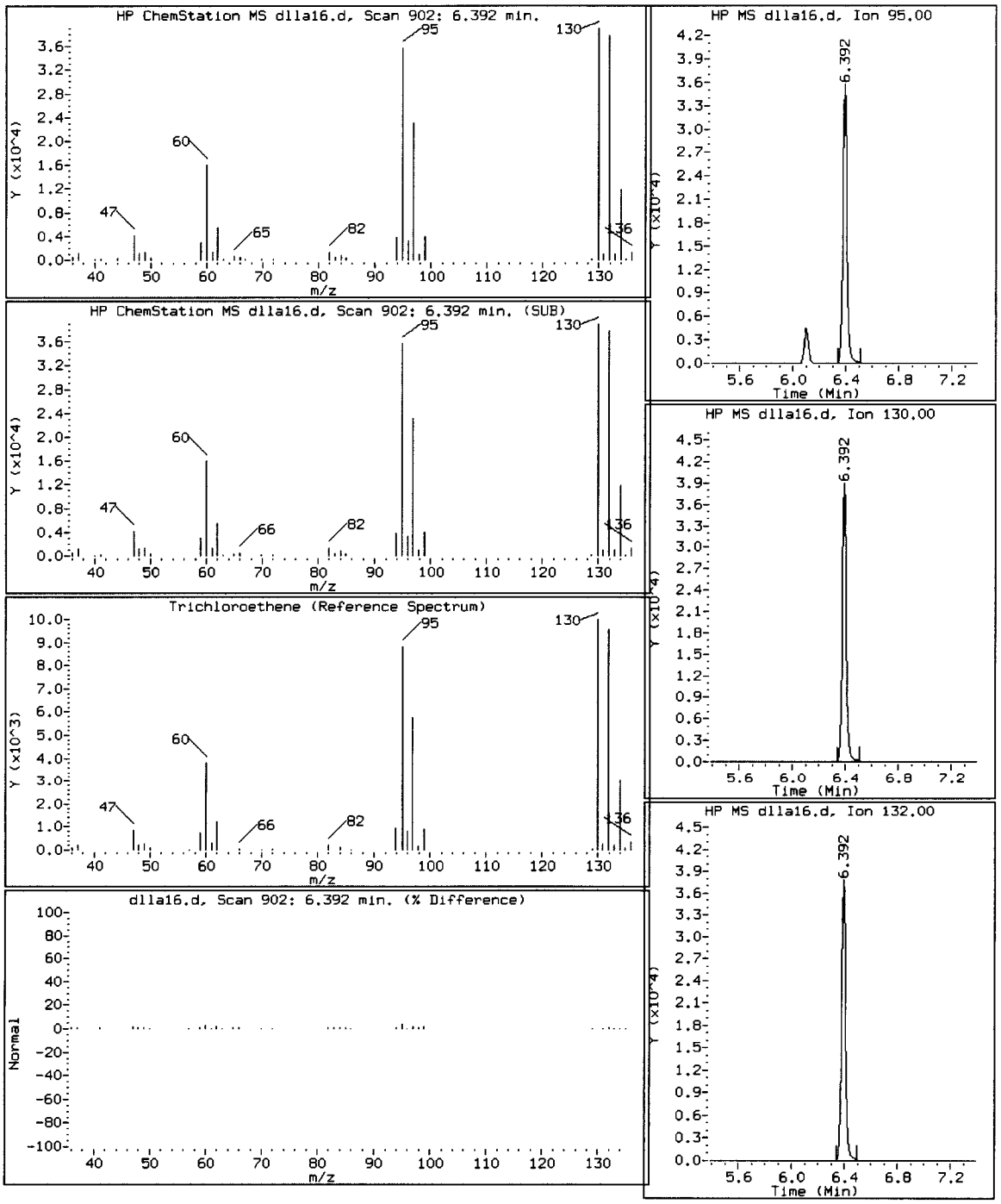
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

33 Trichloroethene



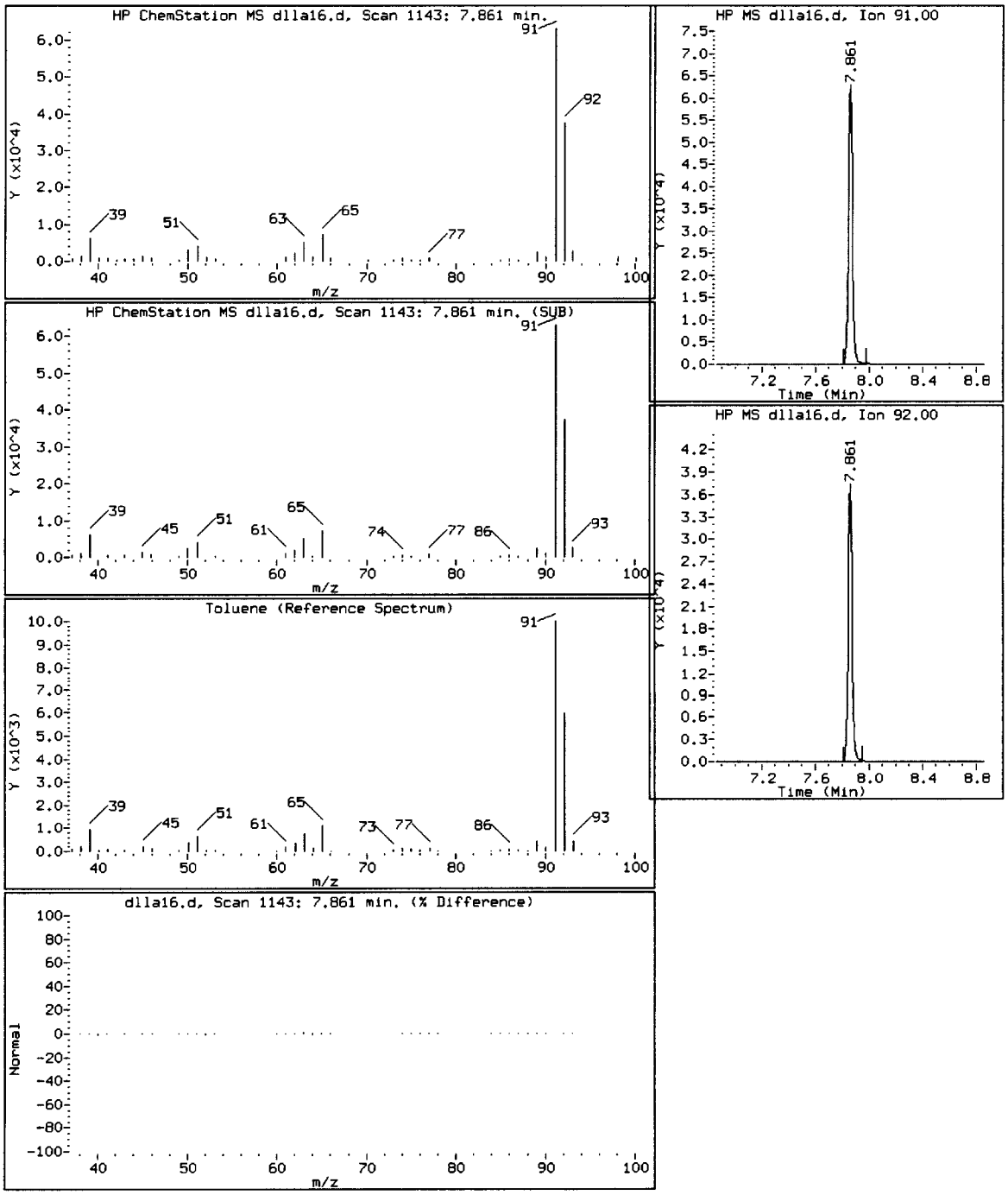
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

41 Toluene



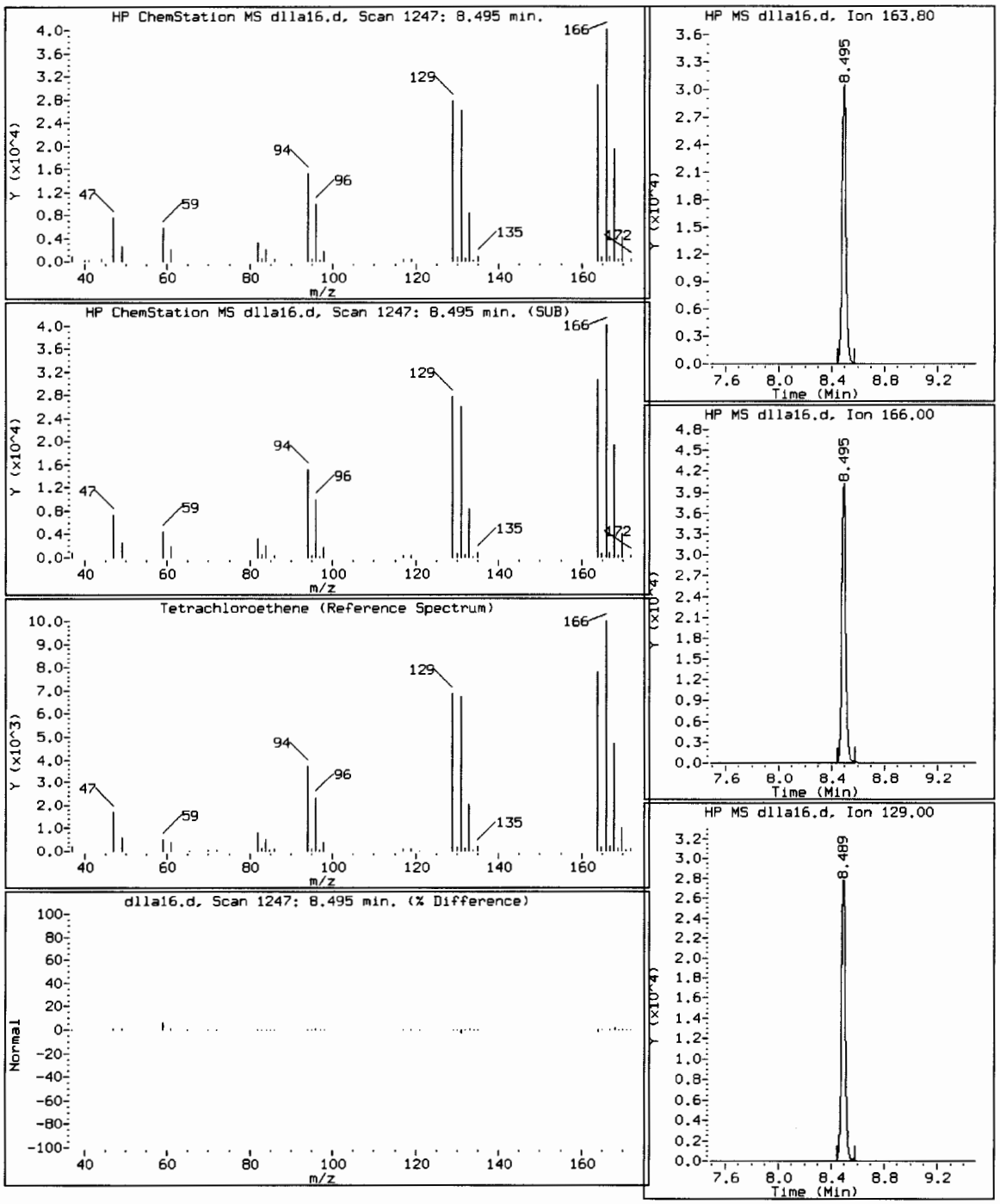
Data File: dlla16.d

Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12

Client ID: MW-21S_050114 Instrument: D.i

Sample Info: 200-22155-C-7 Operator: MTP

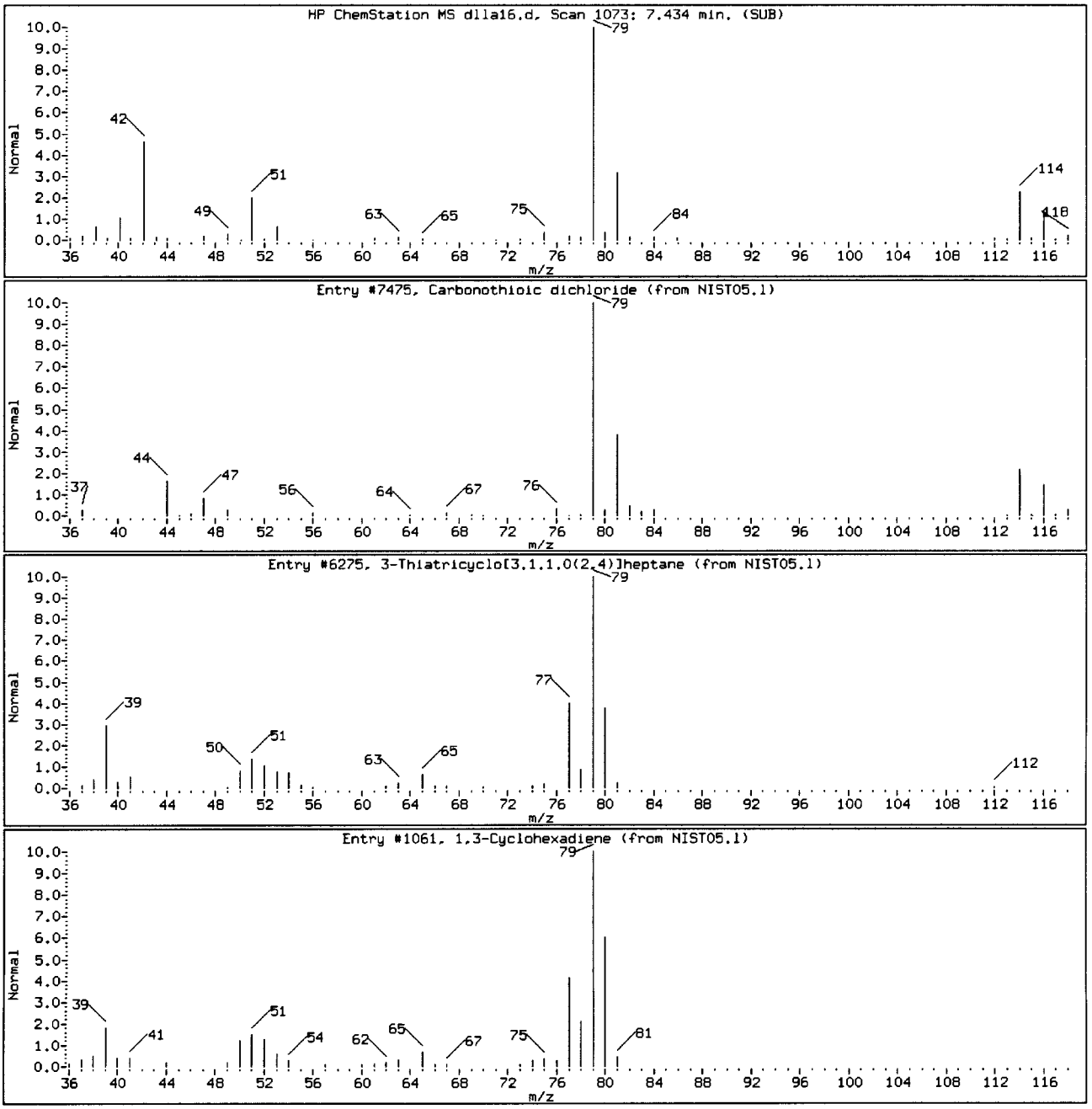
45 Tetrachloroethene



Data File: d11a16.d
Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12
Client ID: MW-21S_050114 Instrument: D.i
Sample Info: 200-22155-C-7 Operator: MTP

Retention Time: 7.43

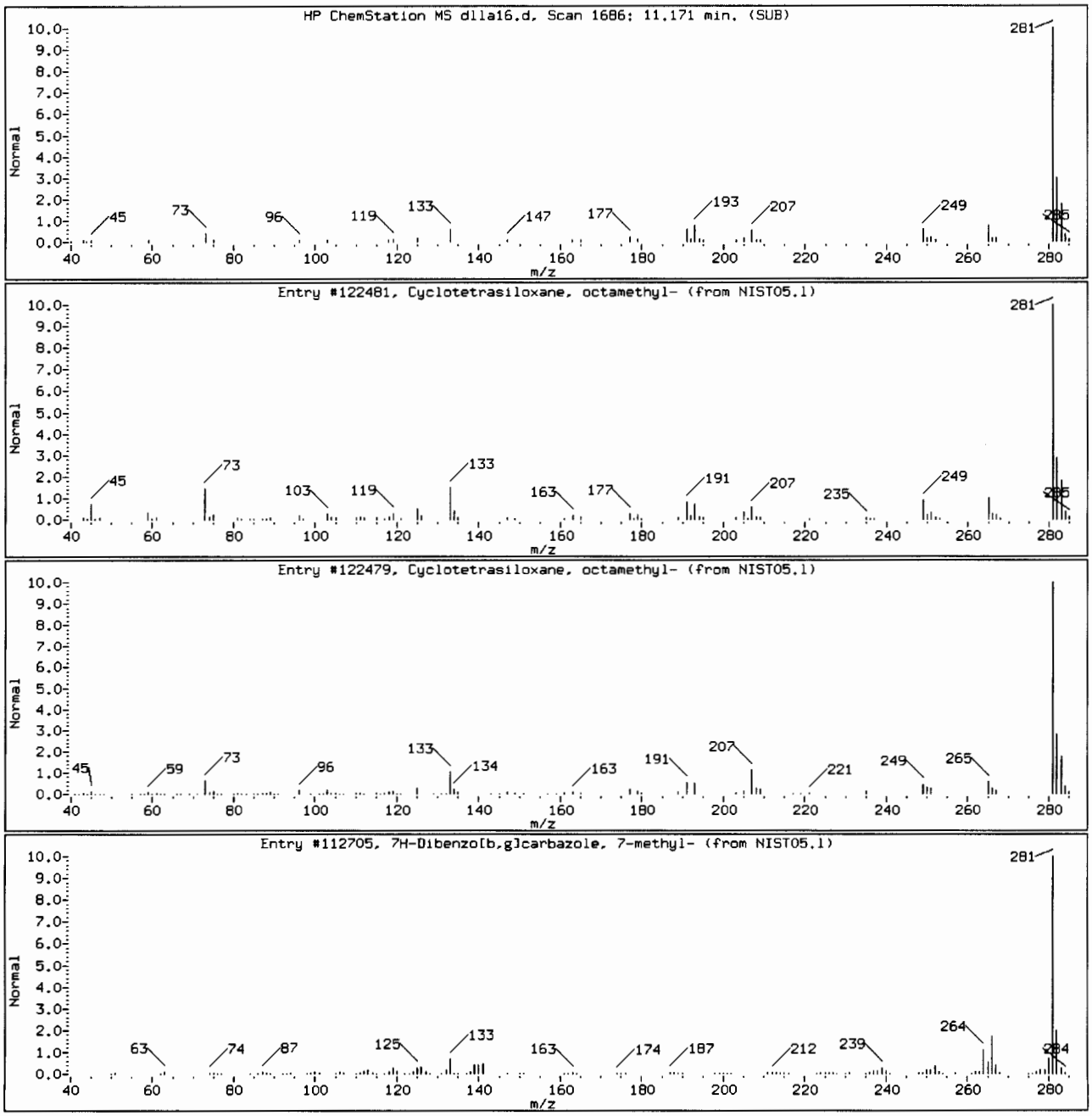
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	47	CCl2S	114
3-Thiatricyclo[3.1.1.0(2,4)]heptan	1000221-37-0	NIST05.1	6275	43	C6H8S	112
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: dlla16.d
Lab Sample ID: 200-22155-7 Date: 08-MAY-2014 17:12
Client ID: MW-21S_050114 Instrument: D.i
Sample Info: 200-22155-C-7 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	90	C8H24O4Si4	296
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST05.1	122479	64	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-20S_050114
Lab Sample ID: 200-22155-9
Matrix: Water
Lab File ID: d11a17.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 11:30
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 17:37
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	0.15	J	0.50	0.099
75-35-4	1,1-Dichloroethene	4.0		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	0.054	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	1.4		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	3.9		0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.42	J	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	4.6		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	1.0		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	4.9		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-20S_050114 | Lab Sample ID: 200-22155-9

Matrix: Water | Lab File ID: d11a17.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 11:30

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 17:37

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	96		65-131
19199-91-8	Chloroethane-d5	103		71-131
22280-73-5	1,1-Dichloroethene-d2	100		55-104
24313-50-6	2-Butanone-d5	98		49-155
865-49-6	Chloroform-d	97		78-121
17060-07-0	1,2-Dichloroethane-d4	108		78-129
1076-43-3	Benzene-d6	99		77-124
93952-08-0	1,2-Dichloropropane-d6	87		79-124
2037-26-5	Toluene-d8	99		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	96		73-121
4840-82-8	2-Hexanone-d5	104		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-20S_050114 Lab Sample ID: 200-22155-9

Matrix: Water Lab File ID: dlla17.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 11:30

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 17:37

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: 2 TIC Result Total: 3.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.1	J B
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.60	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-20S_050114 Lab Sample ID: 200-22155-9

Matrix: Water Lab File ID: dlla17.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 11:30

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 17:37

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: 200-22155-9
Client Smp ID: MW-20S_050114
Inj Date : 08-MAY-2014 17:37
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-9
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: 17
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)	98082	119.731	4.8
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.136	2.131	(0.350)	79474	128.158	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	2.380	2.374	(0.390)	5610	3.76259	0.15(a)
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	209974	124.804	5.0
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	78306	100.151	4.0(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)	1100	1.36014	0.054(aQ)
	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)	113929	1226.21	49
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	28321	35.6011	1.4
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	171868	121.168	4.8
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	142142	97.5092	3.9
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	5.441	5.435	(0.574)	13872	10.5281	0.42(a)
$	28 1,2-Dichloroethane-d4	65	5.611	5.612	(0.919)	68038	135.620	5.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	408898	123.957	5.0
	30 Benzene	78	5.672	5.673	(0.599)	2024	0.59593	0.024(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	355617	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	103038	115.478	4.6
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	100378	108.699	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)	404130	123.731	4.9
	41 Toluene	91	7.861	7.861	(0.830)	95099	25.6867	1.0
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	81321	120.483	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)	110817	123.748	4.9
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	100011	1304.62	52
	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)	282322	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)	39366	123.813	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)	140870	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)	122484	121.460	4.9
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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-9
Client Smp ID: MW-20S_050114
Inj Date : 08-MAY-2014 17:37
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-9
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: 17
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	774481	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	788130	125.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	473808	76.4717471	3.1	0		0	32
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	94684	15.0171074	0.60	91	NIST05.1	122481	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla17.d

Date : 08-MAY-2014 17:37

Client ID: MW-20S_050114

Instrument: D.i

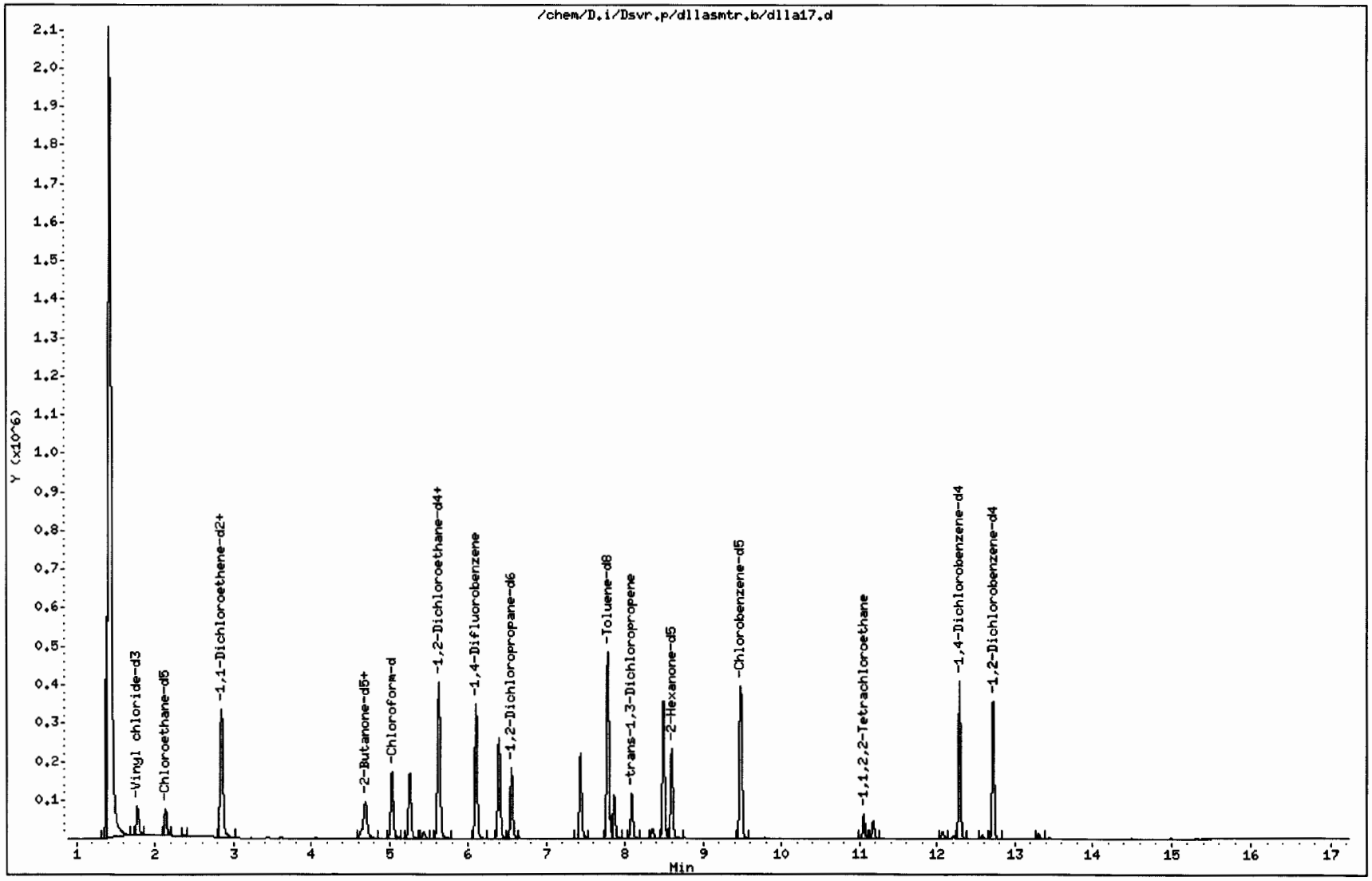
Sample Info: 200-22155-C-9

Purge Volume: 25.0

Operator: HTP

Column phase: DB-624

Column diameter: 0.20



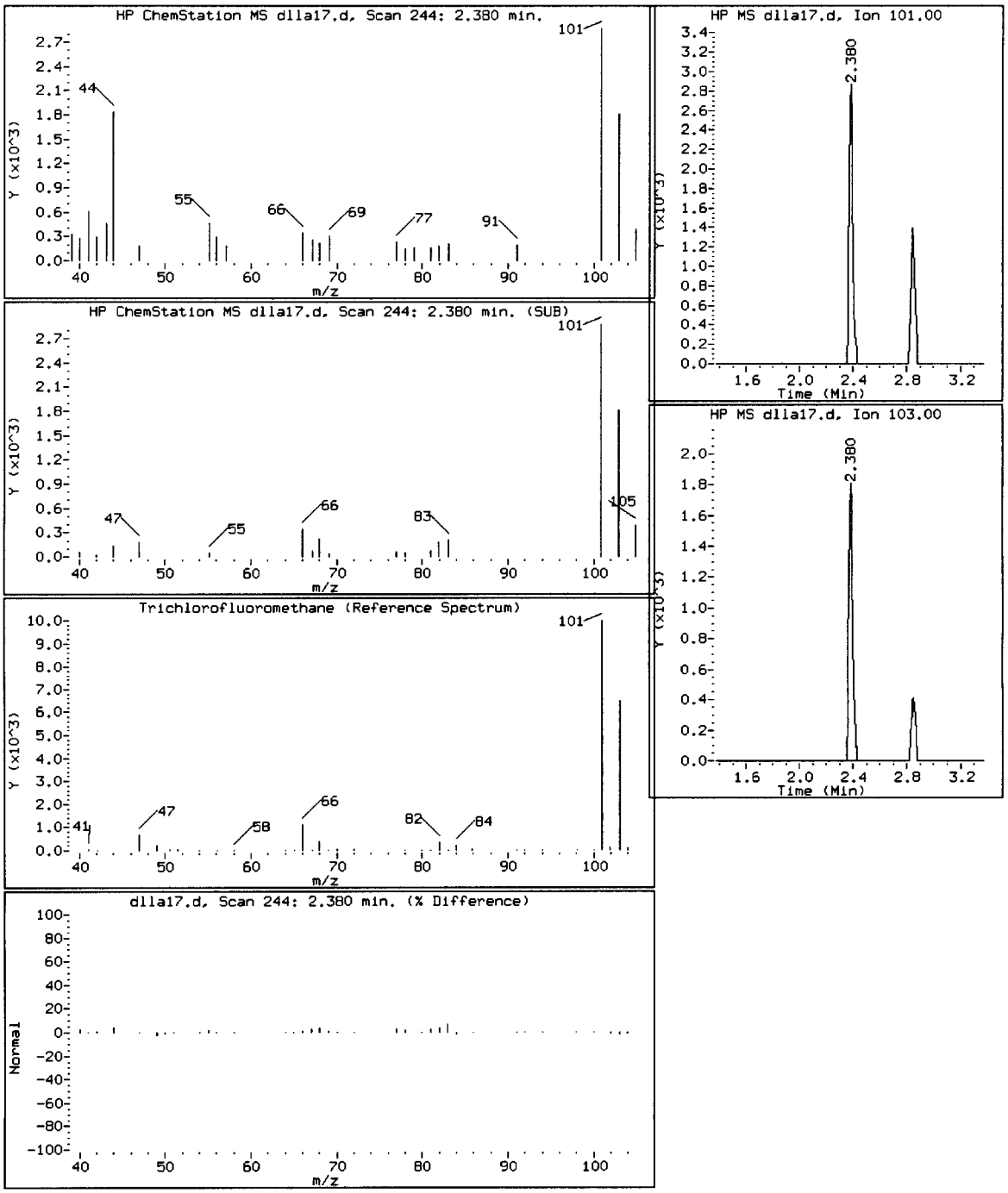
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

8 Trichlorofluoromethane



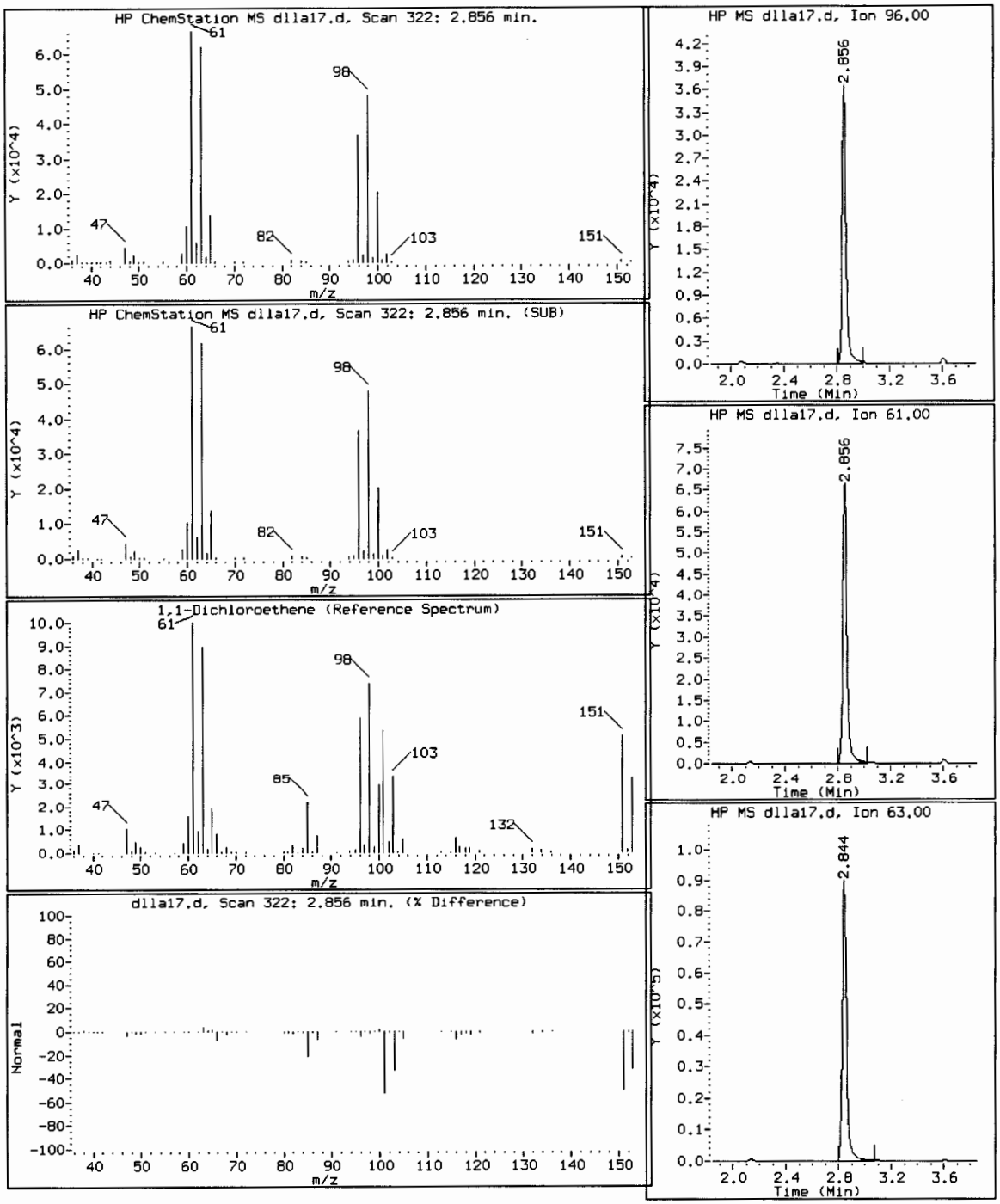
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

10 1,1-Dichloroethene



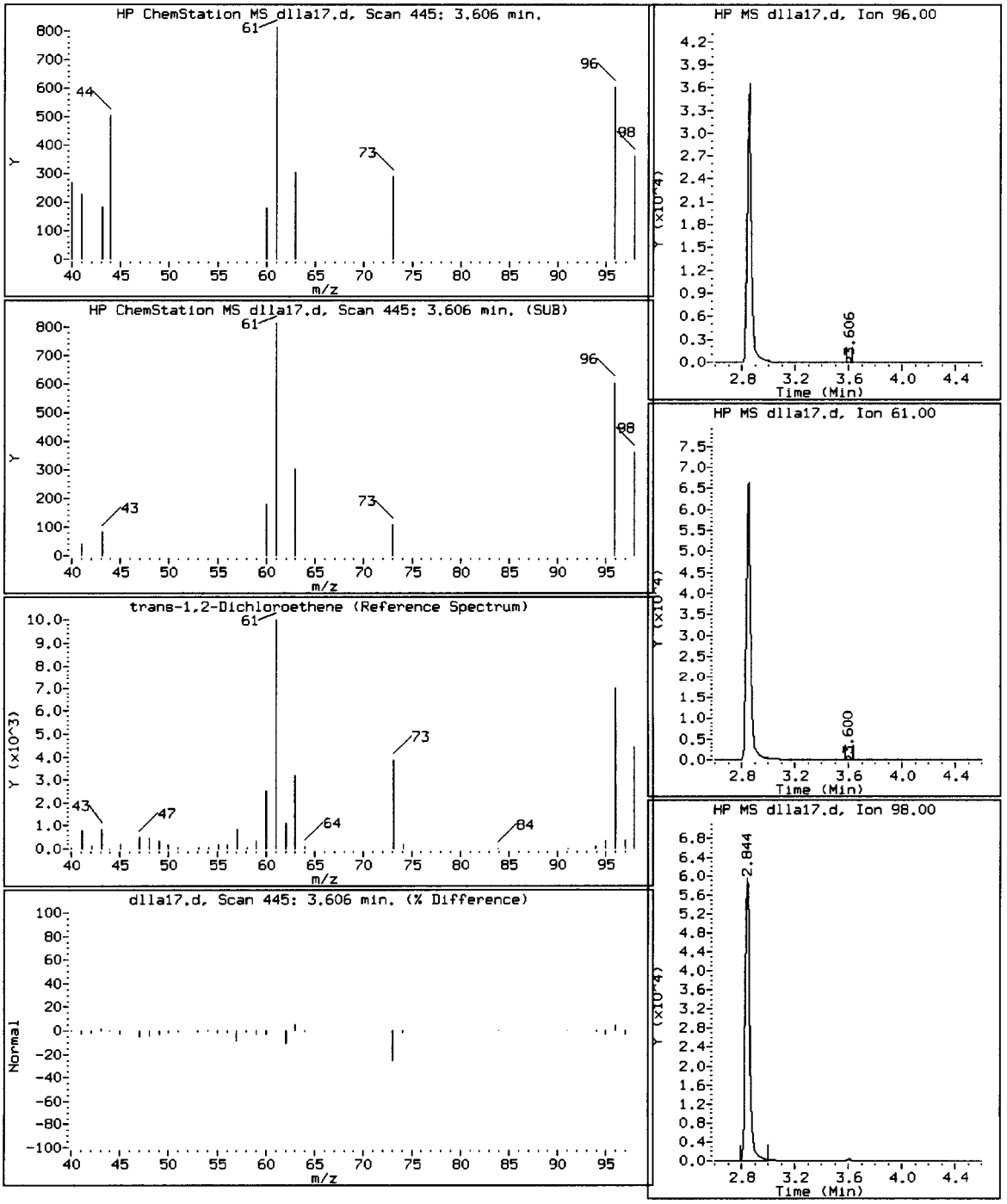
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

16 trans-1,2-Dichloroethene



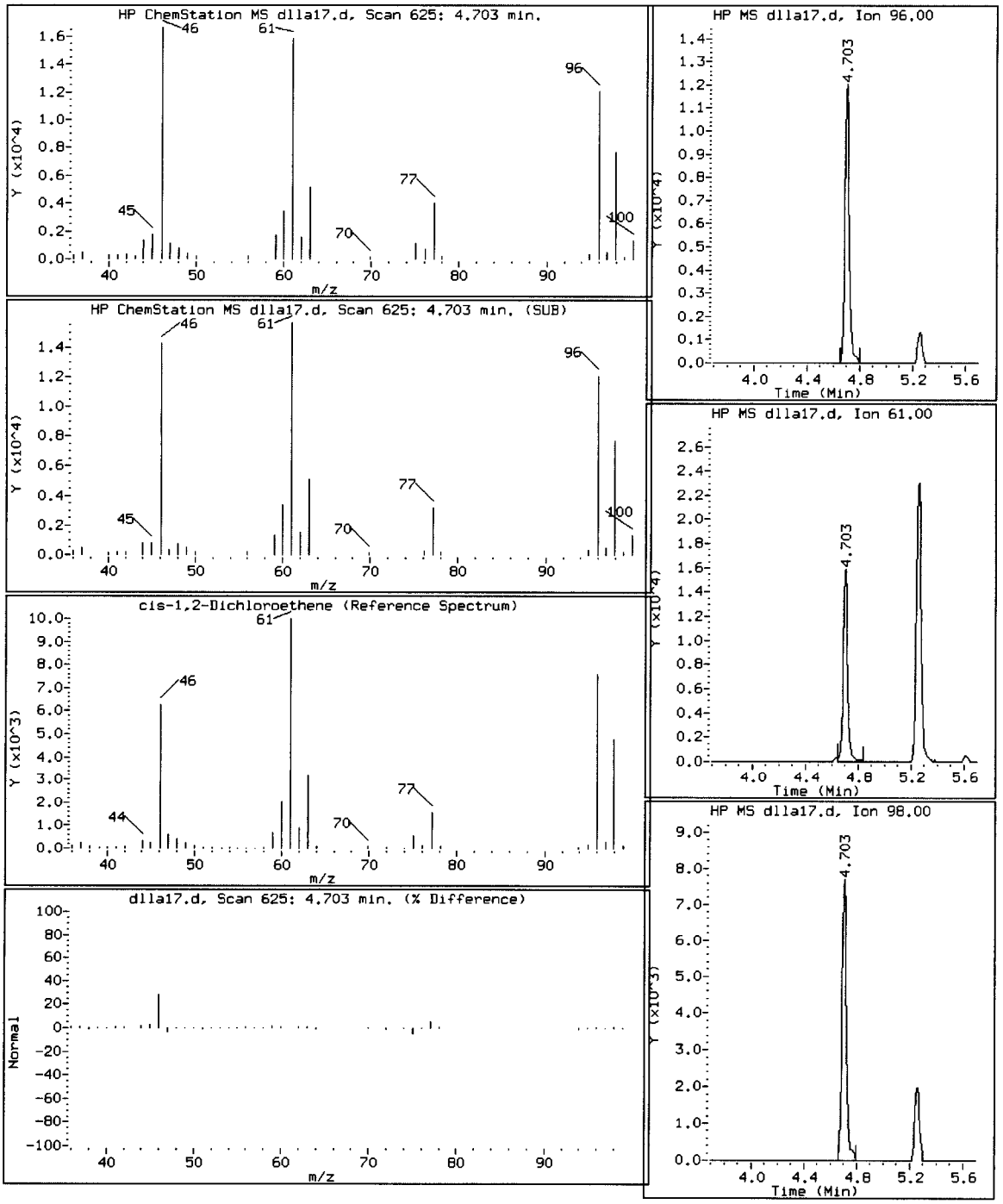
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

20 cis-1,2-Dichloroethene



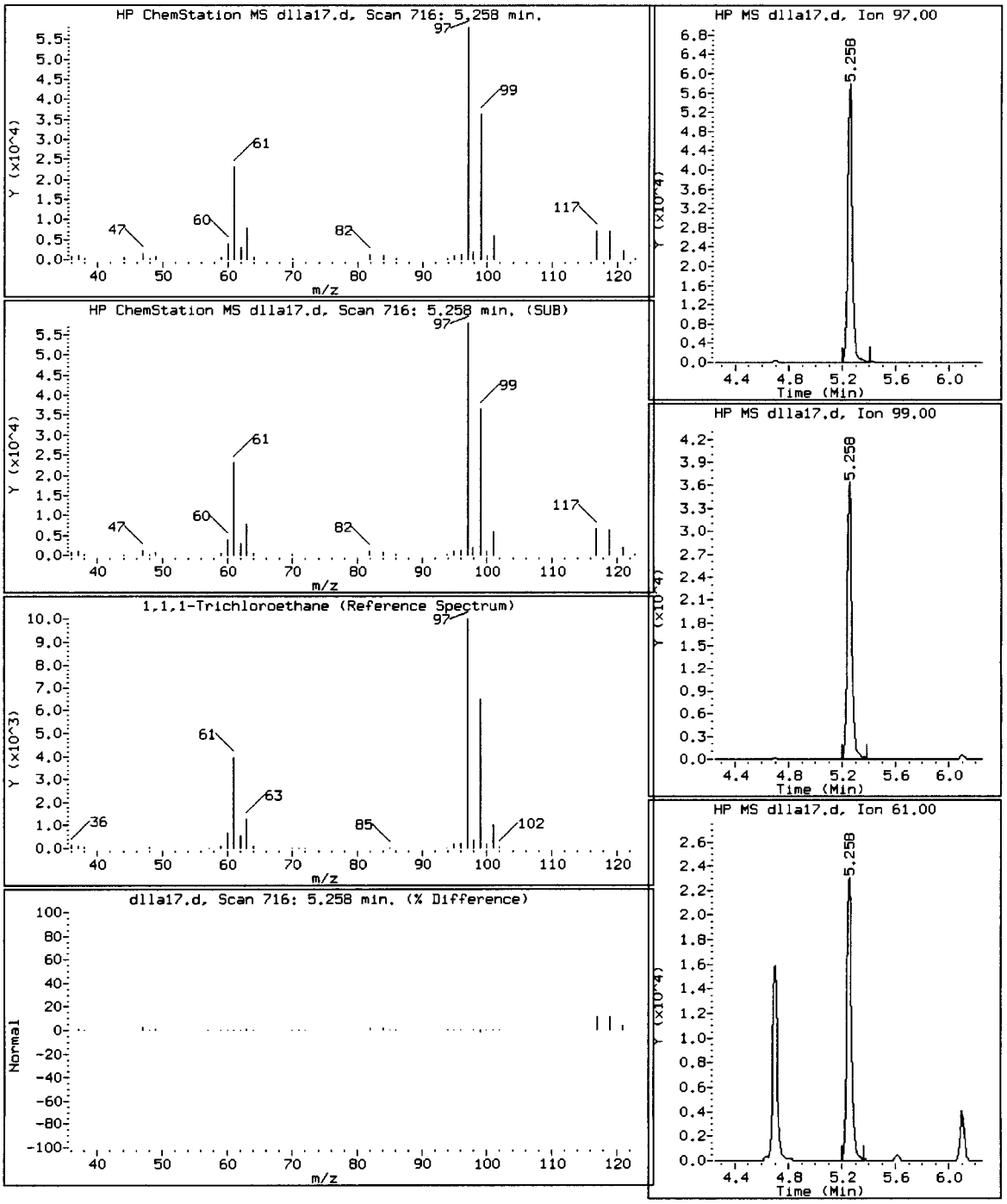
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

25 1,1,1-Trichloroethane



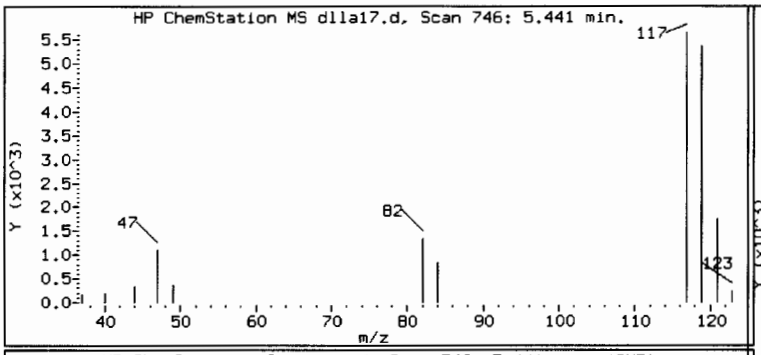
Data File: dlla17.d

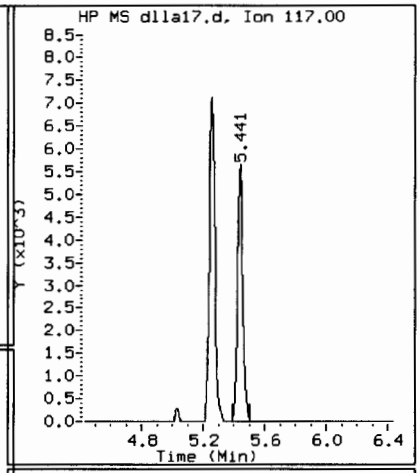
Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

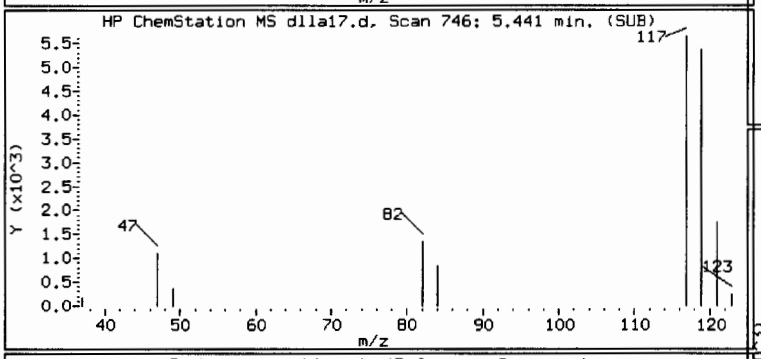
Client ID: MW-20S_050114 Instrument: D.i

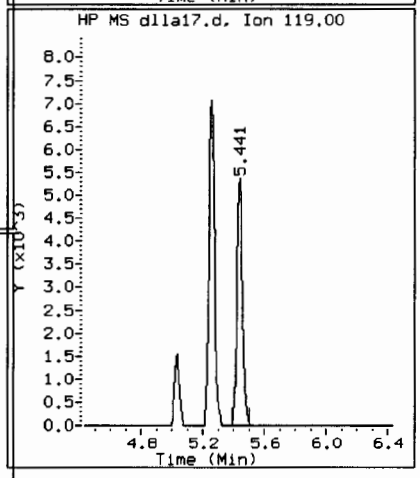
Sample Info: 200-22155-C-9 Operator: MTP

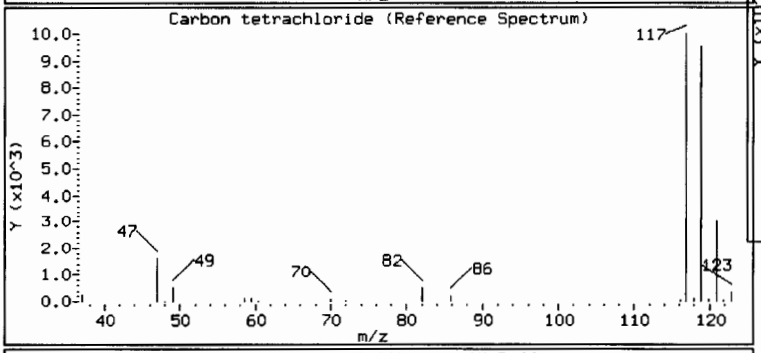
27 Carbon tetrachloride

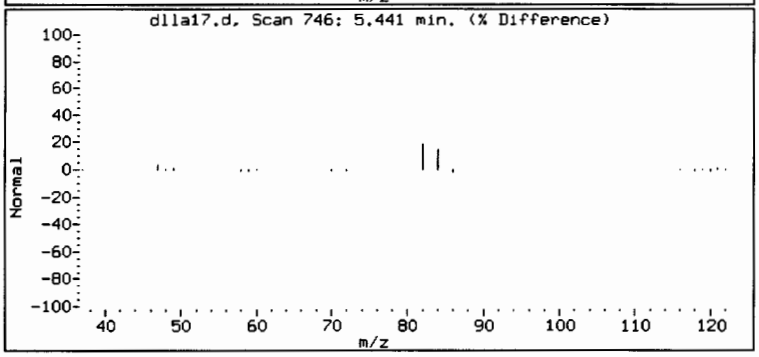












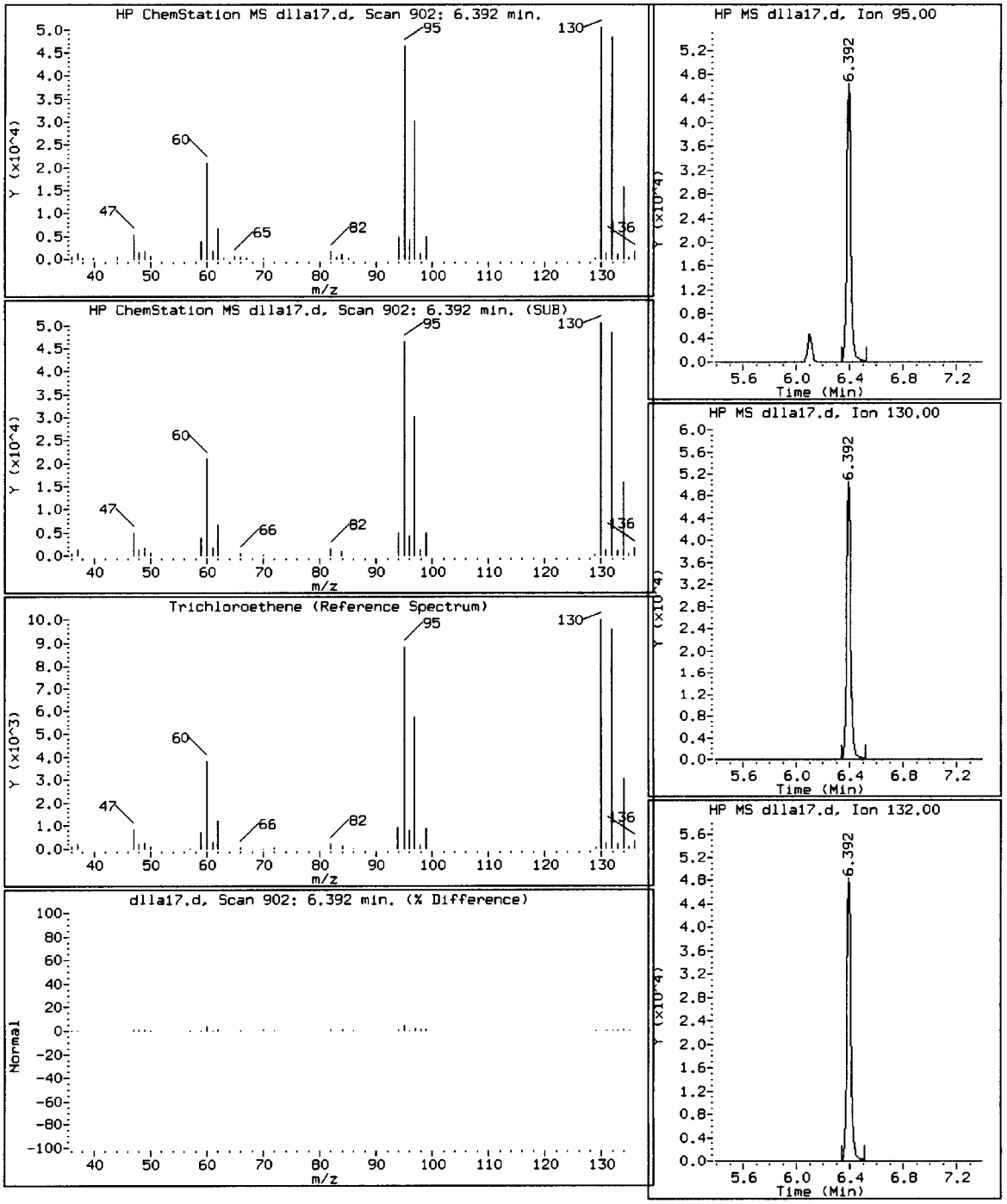
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

33 Trichloroethene



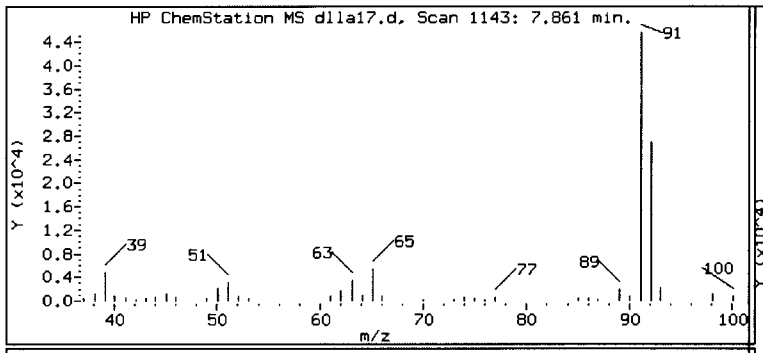
Data File: dlla17.d

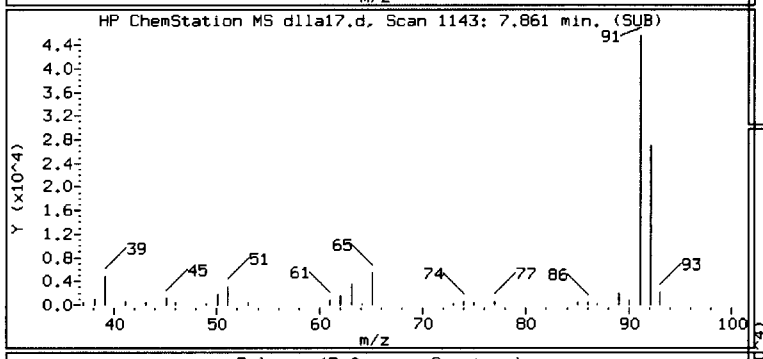
Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

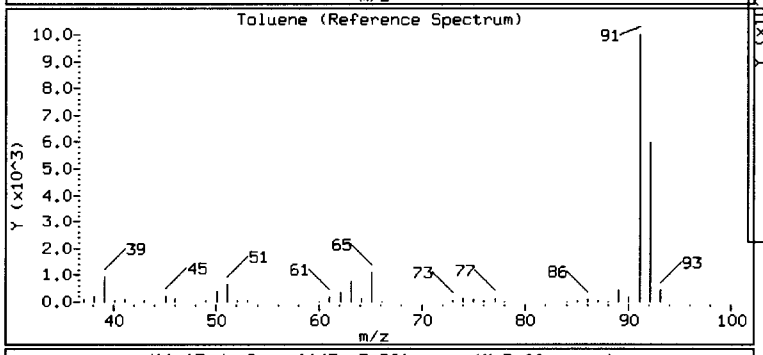
Client ID: MW-20S_050114 Instrument: D.i

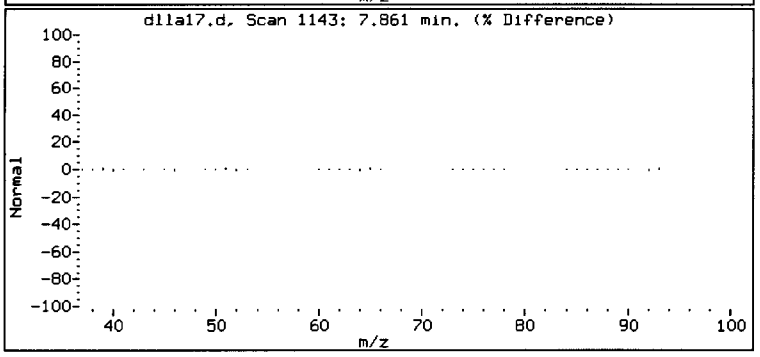
Sample Info: 200-22155-C-9 Operator: MTP

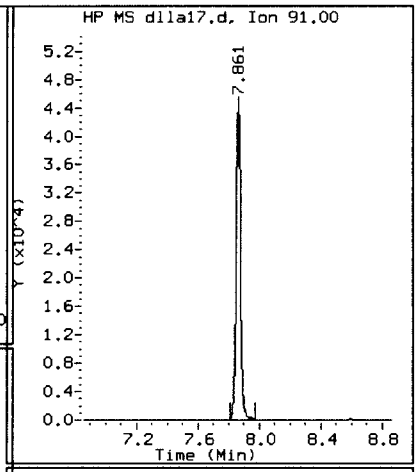
41 Toluene

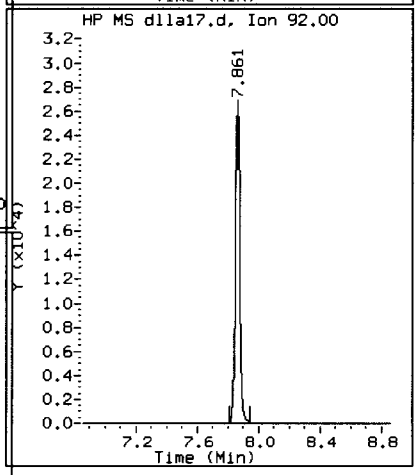












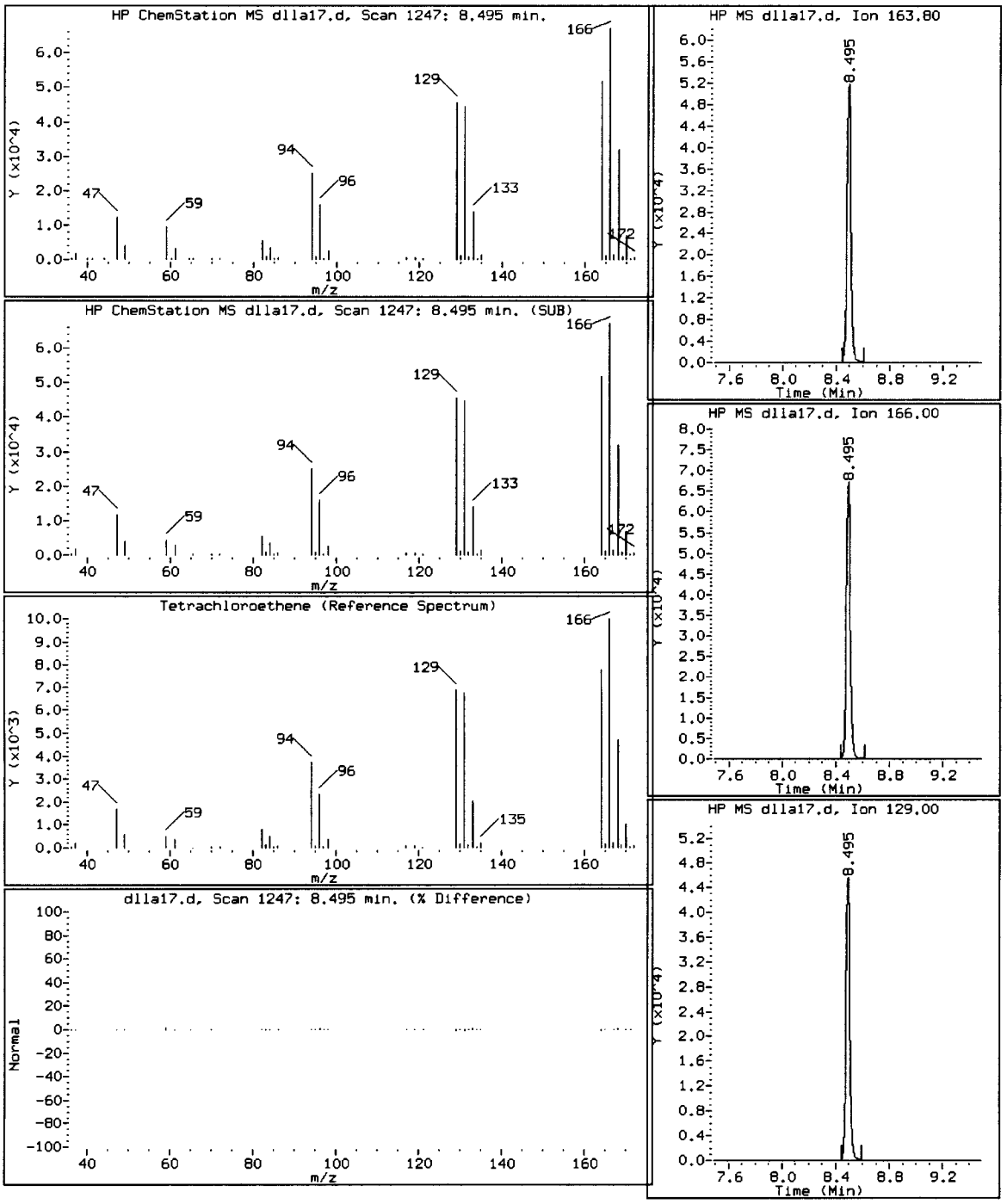
Data File: dlla17.d

Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37

Client ID: MW-20S_050114 Instrument: D.i

Sample Info: 200-22155-C-9 Operator: MTP

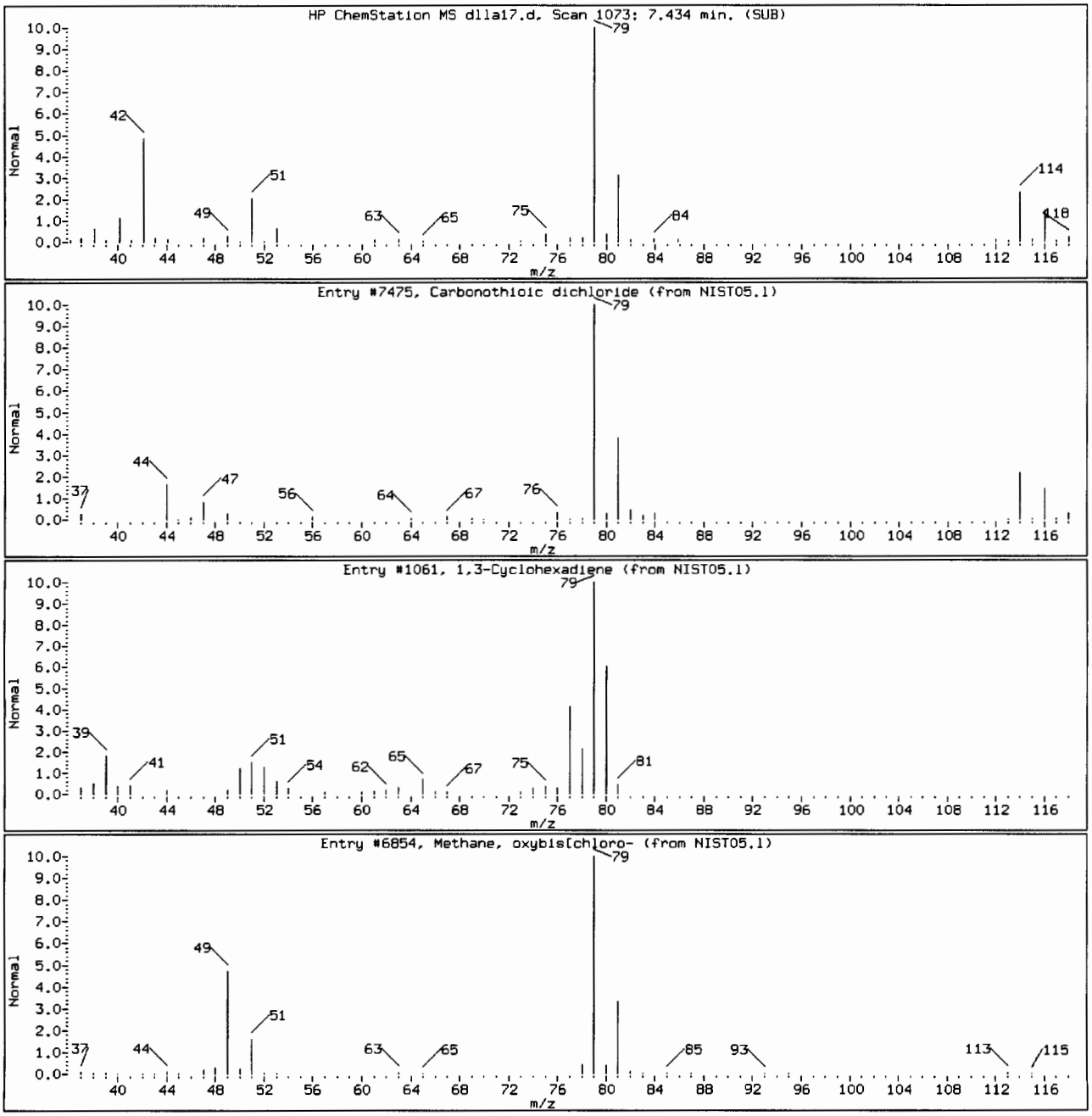
45 Tetrachloroethene



Data File: dlla17.d
Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37
Client ID: MW-20S_050114 Instrument: D.i
Sample Info: 200-22155-C-9 Operator: MTP

Retention Time: 7.43

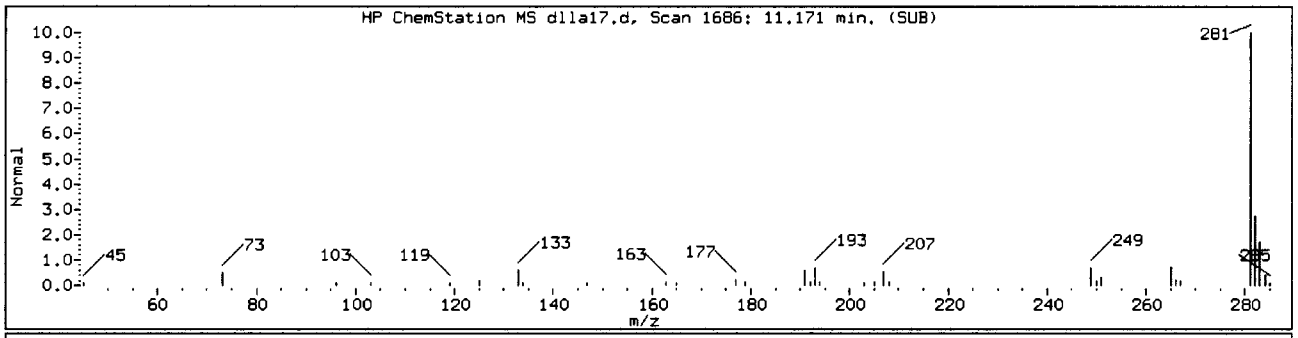
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	23	C2H4Cl2O	114

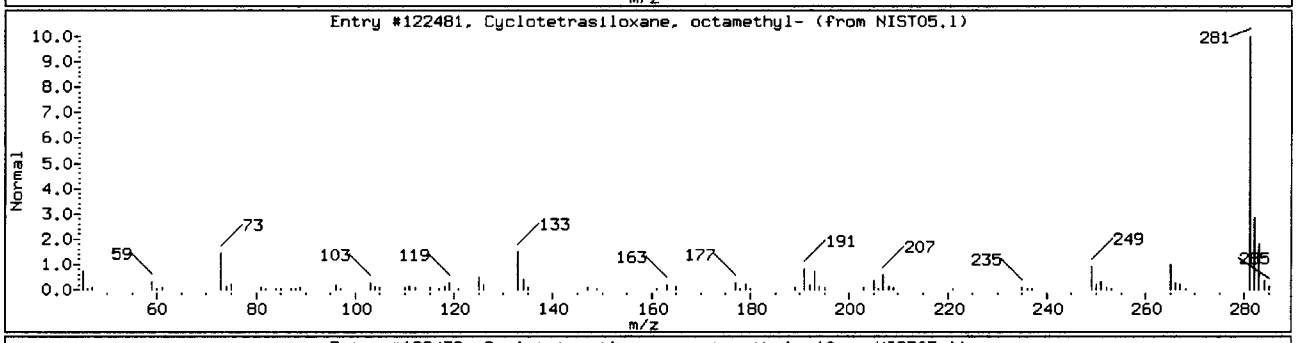


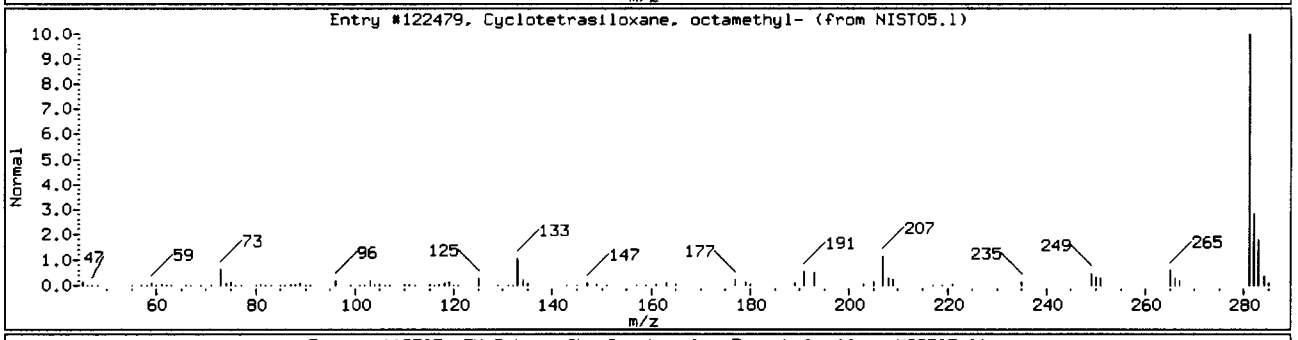
Data File: d11a17.d
Lab Sample ID: 200-22155-9 Date: 08-MAY-2014 17:37
Client ID: MW-20S_050114 Instrument: D.i
Sample Info: 200-22155-C-9 Operator: MTP

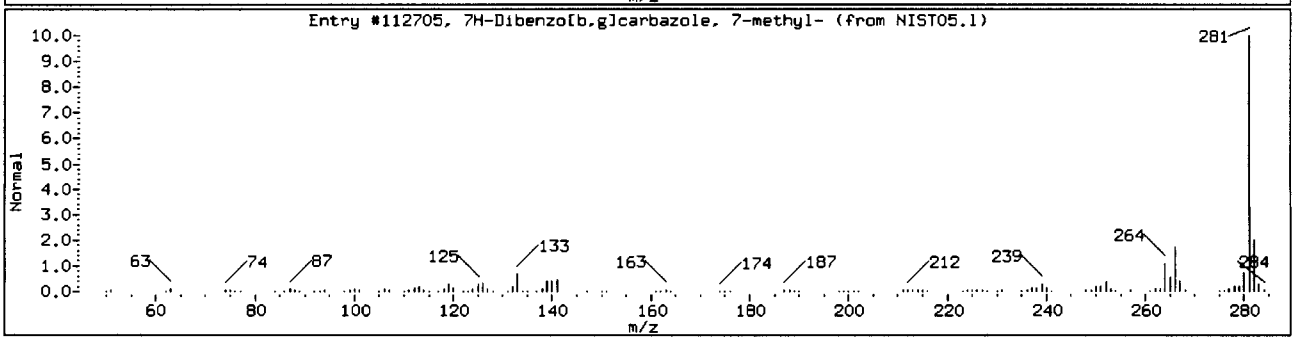
Retention Time: 11.17

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-11D_050114 | Lab Sample ID: 200-22155-10

Matrix: Water | Lab File ID: d11a18.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 15:00

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 18:01

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	1.1		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	0.097	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	3.4		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	0.22	J	0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.22	J	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	3.7		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	1.7		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	3.0		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-11D_050114 | Lab Sample ID: 200-22155-10

Matrix: Water | Lab File ID: dlla18.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 15:00

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 18:01

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	102		65-131
19199-91-8	Chloroethane-d5	106		71-131
22280-73-5	1,1-Dichloroethene-d2	87		55-104
24313-50-6	2-Butanone-d5	101		49-155
865-49-6	Chloroform-d	101		78-121
17060-07-0	1,2-Dichloroethane-d4	110		78-129
1076-43-3	Benzene-d6	101		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	93		73-121
4840-82-8	2-Hexanone-d5	103		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	99		73-125
2199-69-1	1,2-Dichlorobenzene-d4	99		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-11D_050114
Lab Sample ID: 200-22155-10
Matrix: Water
Lab File ID: d11a18.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 15:00
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 18:01
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: 2
TIC Result Total: 3.61

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.0	J B
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.61	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-11D_050114 Lab Sample ID: 200-22155-10

Matrix: Water Lab File ID: dlla18.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 15:00

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 18:01

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: 200-22155-10
Client Smp ID: MW-11D_050114
Inj Date : 08-MAY-2014 18:01
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-10
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: 18
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)	101624	127.408	5.1
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	80071	132.611	5.3
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	177414	108.301	4.3
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	21768	28.5931	1.1(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)	1919	2.43695	0.097(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)	113928	1259.34	50
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	66039	85.2587	3.4
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	173531	125.647	5.0
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	7739	5.41928	0.22(a)
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	5.441	5.435	(0.574)	7237	5.60666	0.22(a)
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	67080	137.325	5.5
$	29 Benzene-d6	84	5.630	5.630	(0.594)	408778	126.496	5.1
	30 Benzene	78	5.673	5.673	(0.599)	2414	0.72553	0.029(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	346258	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	81049	92.7216	3.7
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	98678	109.079	4.4
	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)	400066	125.032	5.0
	41 Toluene	91	7.861	7.861	(0.830)	155685	42.9253	1.7
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	76506	115.705	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)	65263	74.3930	3.0
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	97019	1291.89	52
	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)	276574	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	Compound Not Detected.					
	53 m,p-Xylene	106	9.782	9.782	(1.032)	1114	0.63237	0.025(aQ)
	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)	38356	123.144	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)	136898	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)	120883	123.350	4.9
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.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-10
Client Smp ID: MW-11D_050114
Inj Date : 08-MAY-2014 18:01
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-10
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: 18
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)

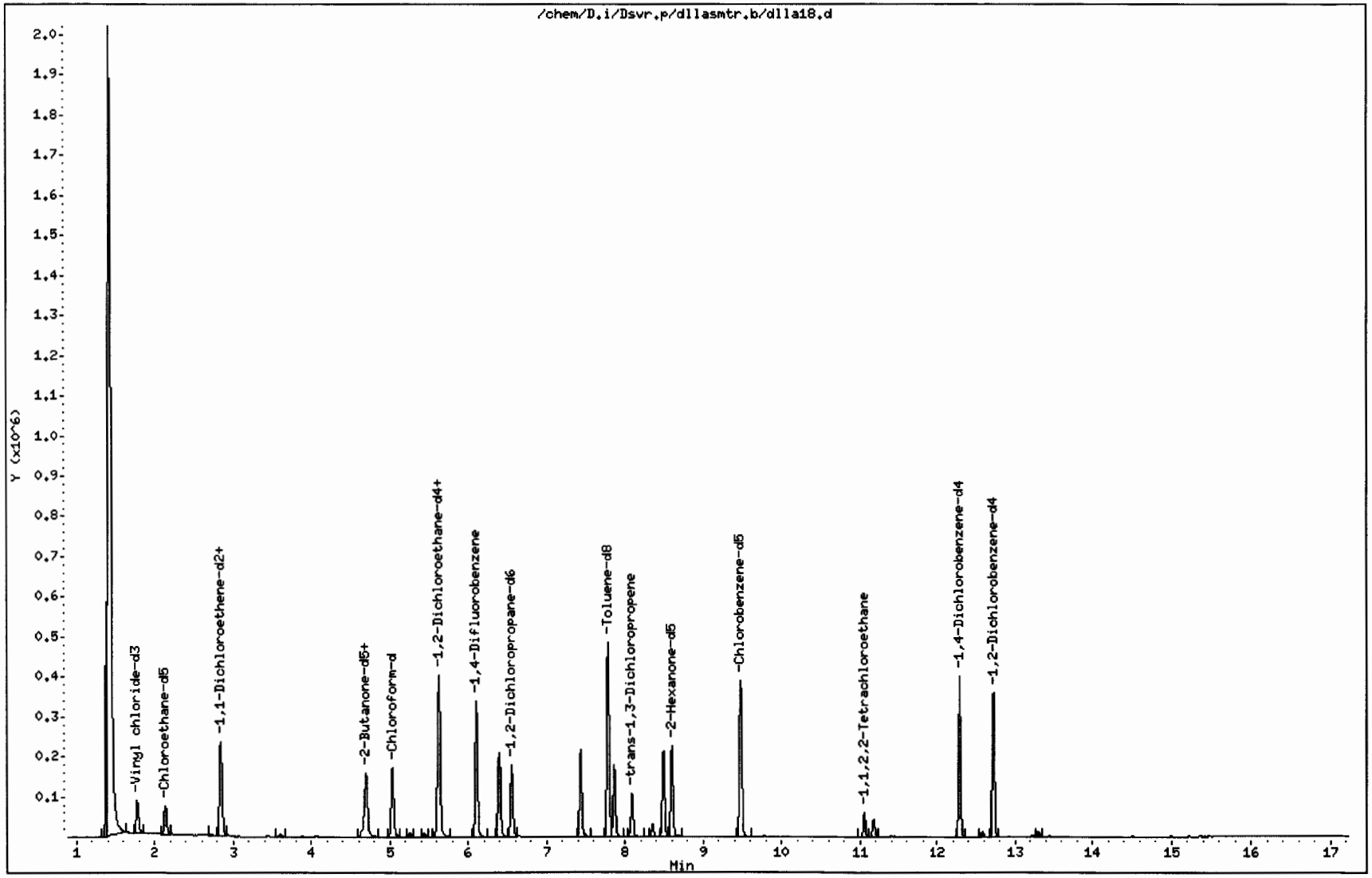
Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	757562	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	769669	125.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	456103	75.2583451	3.0	0		0	32
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	94541	15.3542100	0.61	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla18.d
Date : 08-MAY-2014 18:01
Client ID: MW-11D_050114
Sample Info: 200-22155-C-10
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i
Operator: HTP
Column diameter: 0.20



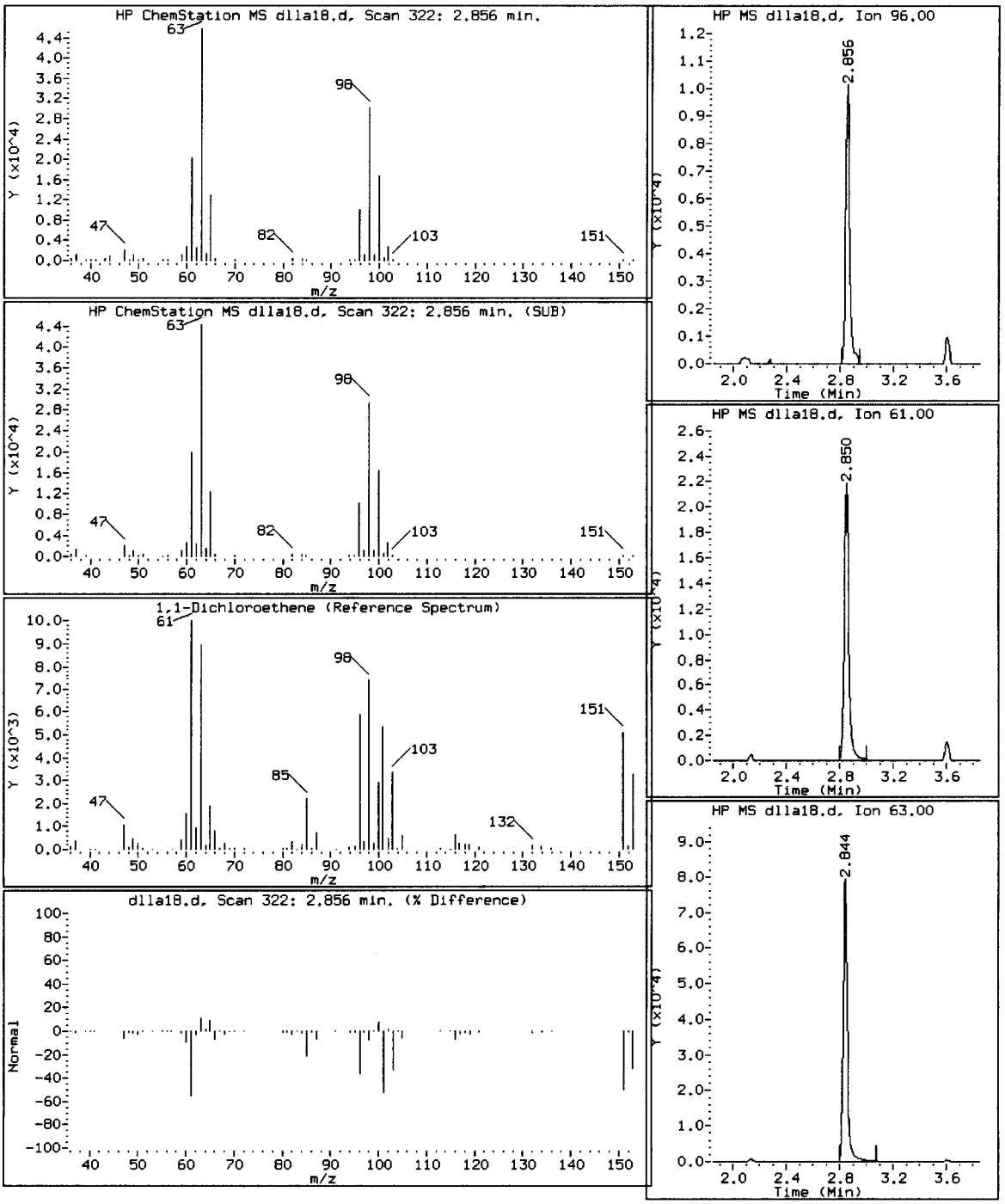
Data File: dlla18.d

Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

Client ID: MW-11D_050114 Instrument: D.i

Sample Info: 200-22155-C-10 Operator: MTP

10 1,1-Dichloroethene



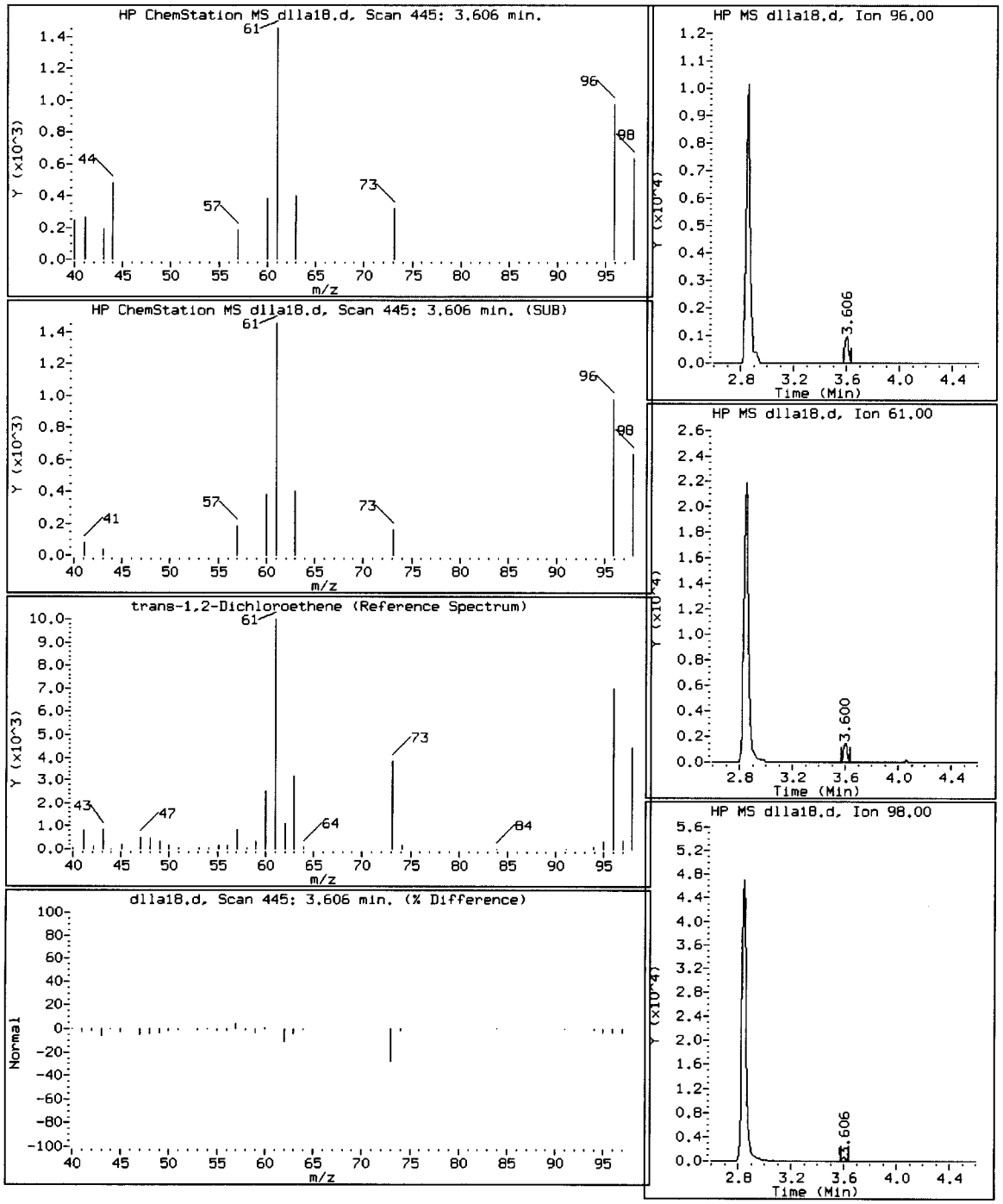
Data File: dlla18.d

Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

Client ID: MW-11D_050114 Instrument: D.i

Sample Info: 200-22155-C-10 Operator: MTP

16 trans-1,2-Dichloroethene



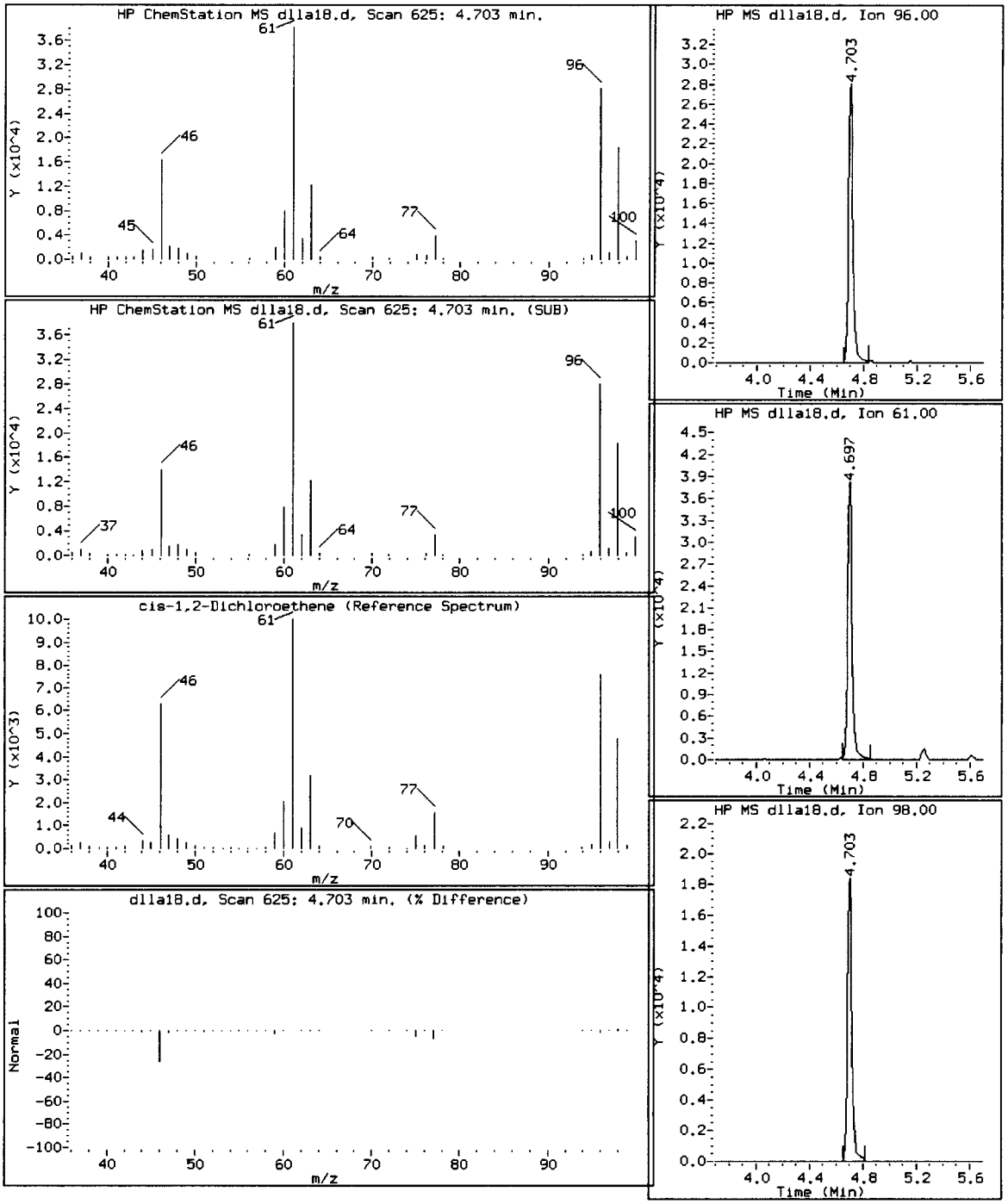
Data File: dlla18.d

Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

Client ID: MW-11D_050114 Instrument: D.i

Sample Info: 200-22155-C-10 Operator: MTP

20 cis-1,2-Dichloroethene



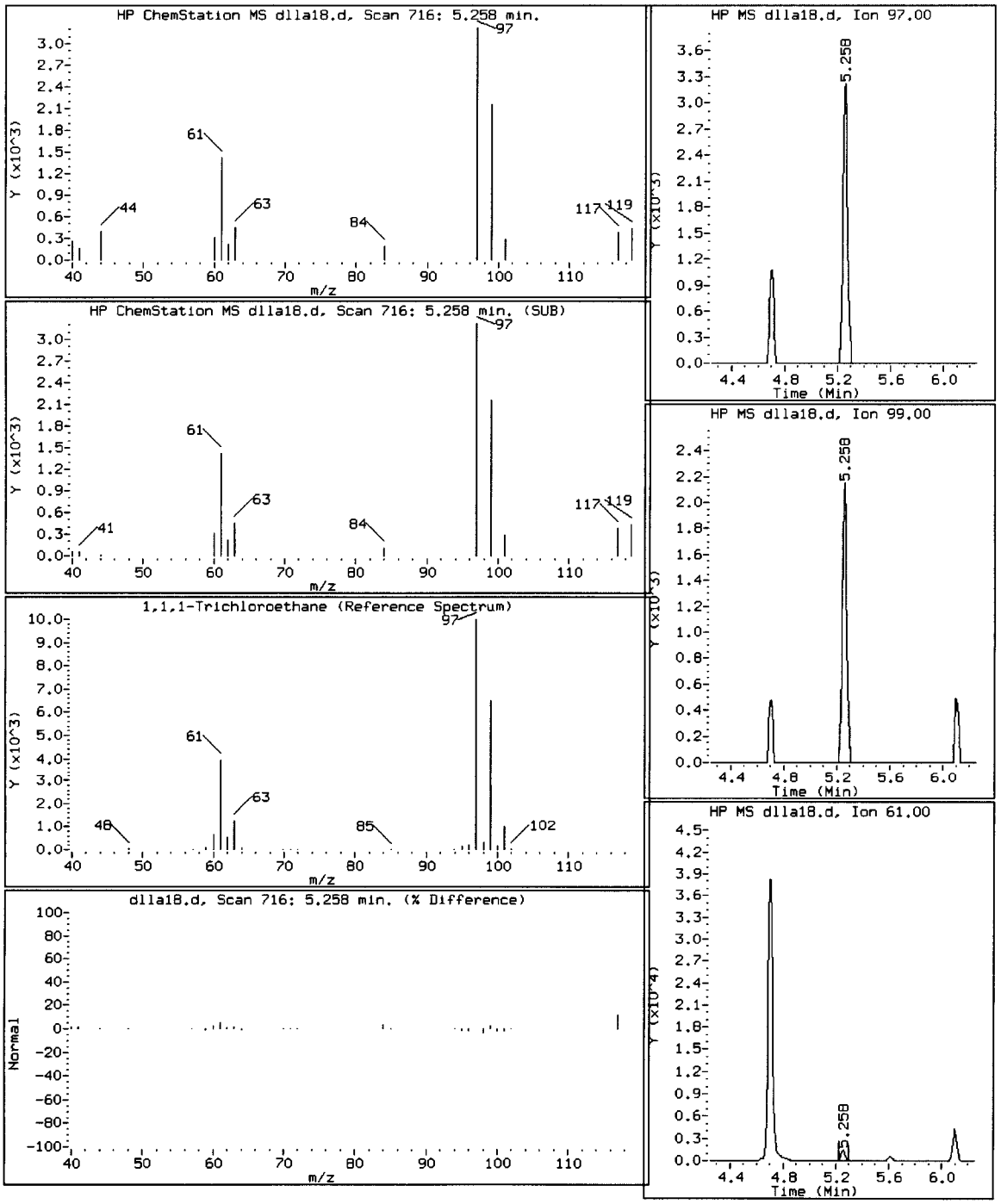
Data File: dlla18.d

Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

Client ID: MW-11D_050114 Instrument: D.i

Sample Info: 200-22155-C-10 Operator: MTP

25 1,1,1-Trichloroethane



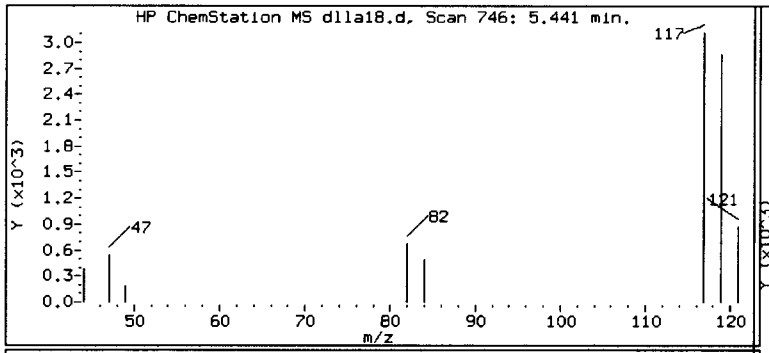
Data File: dlla18.d

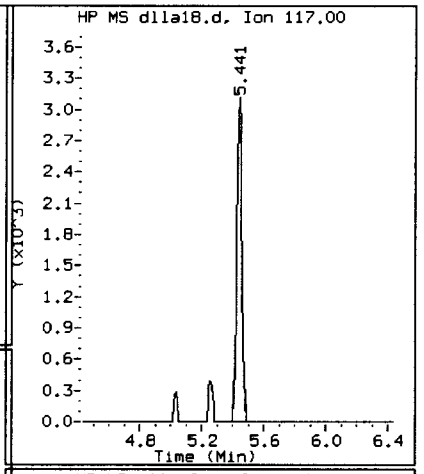
Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

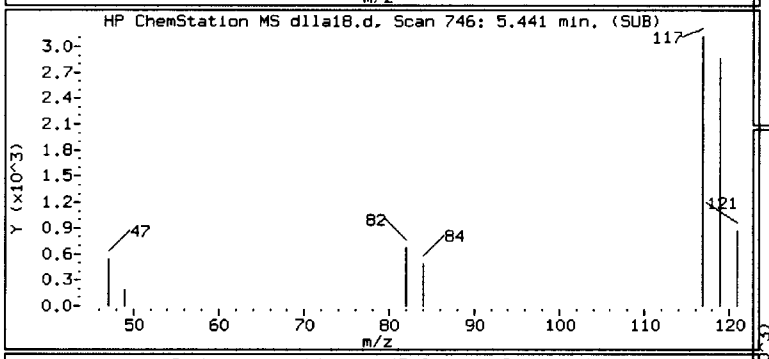
Client ID: MW-11D_050114 Instrument: D.i

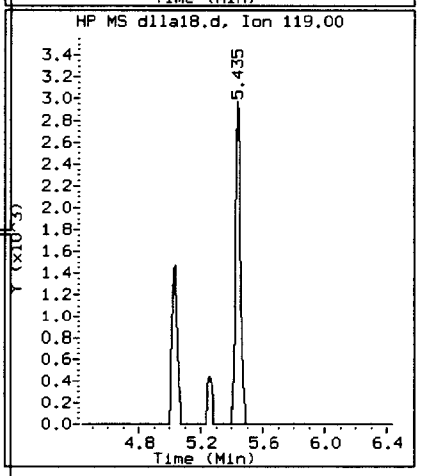
Sample Info: 200-22155-C-10 Operator: MTP

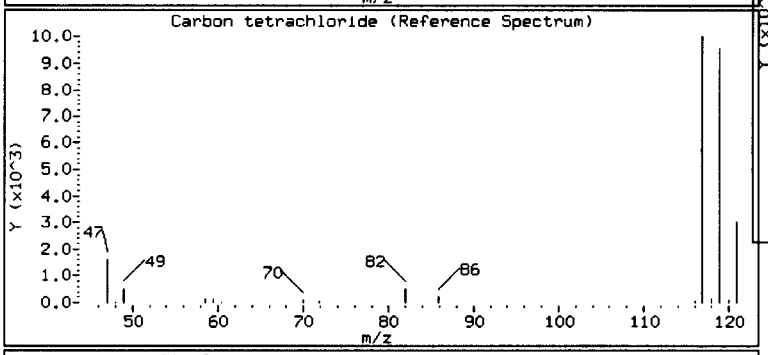
27 Carbon tetrachloride

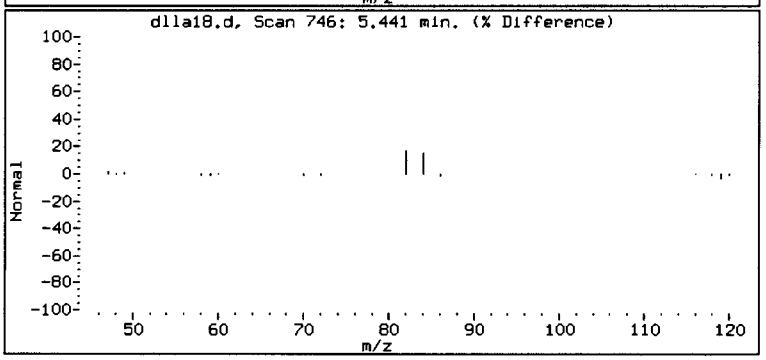












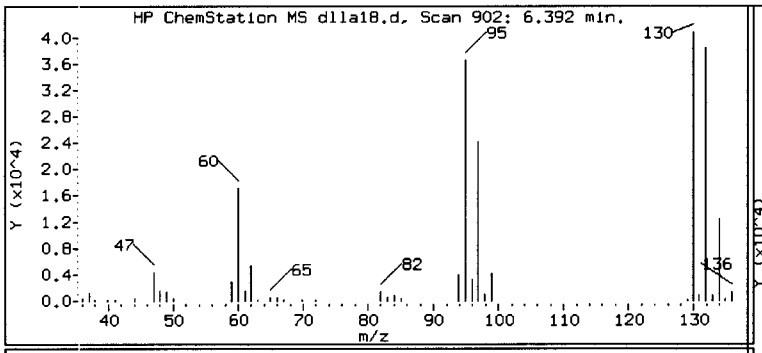
Data File: dlla18.d

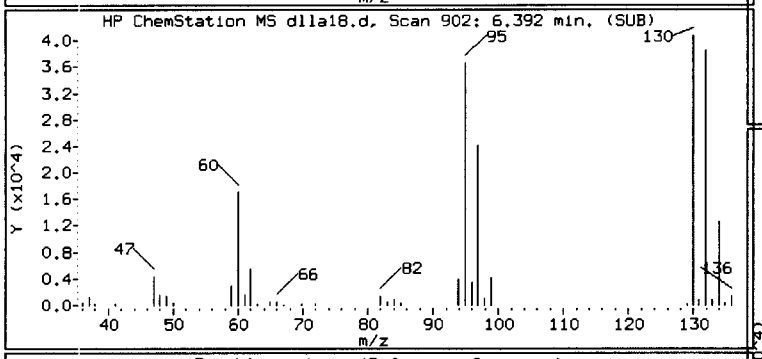
Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

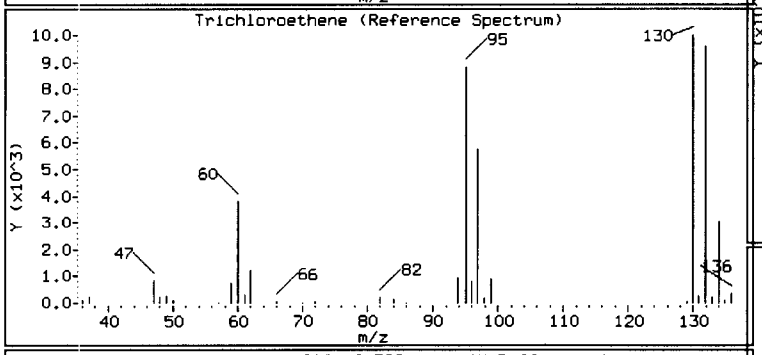
Client ID: MW-11D_050114 Instrument: D.i

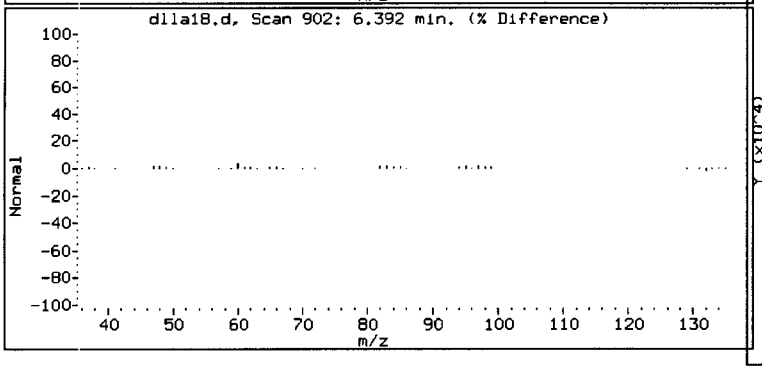
Sample Info: 200-22155-C-10 Operator: MTP

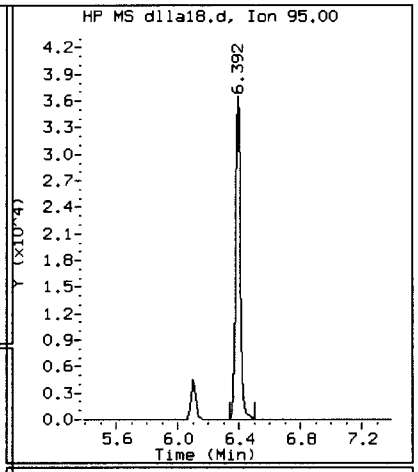
33 Trichloroethene

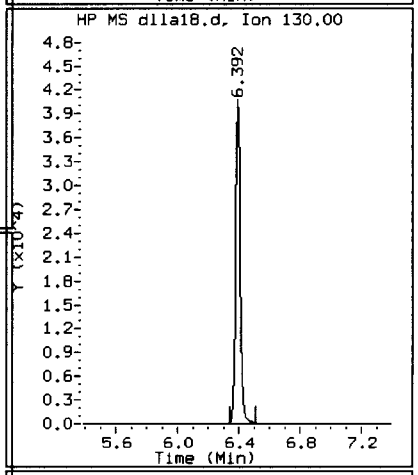


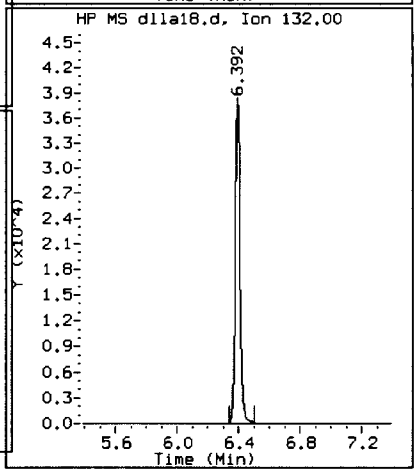












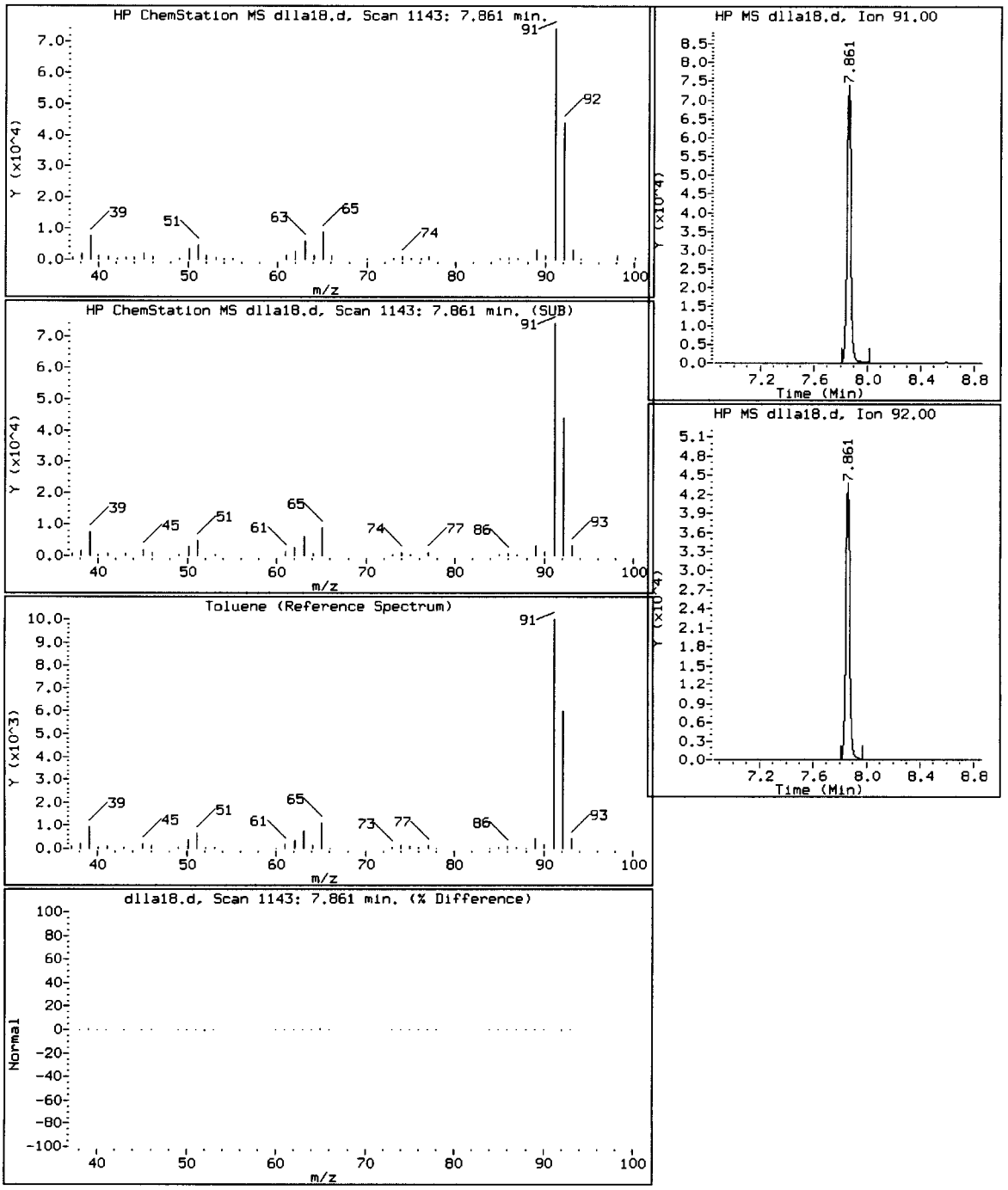
Data File: dlla18.d

Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

Client ID: MW-11D_050114 Instrument: D.i

Sample Info: 200-22155-C-10 Operator: MTP

41 Toluene



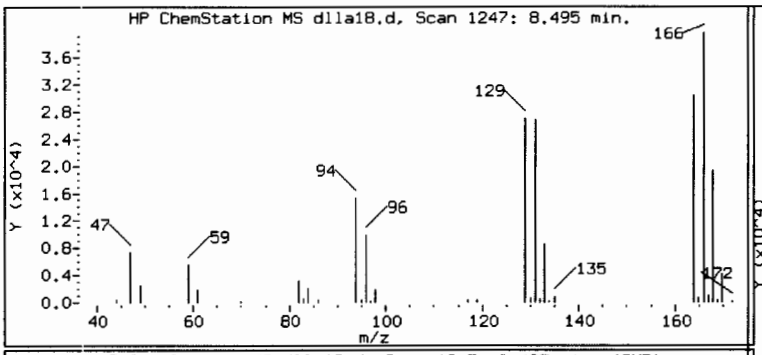
Data File: dlla18.d

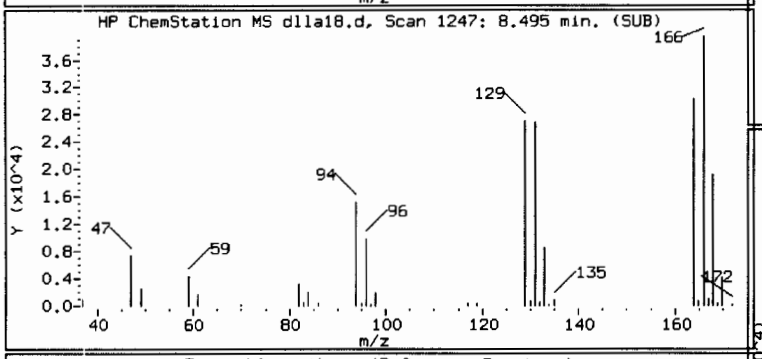
Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01

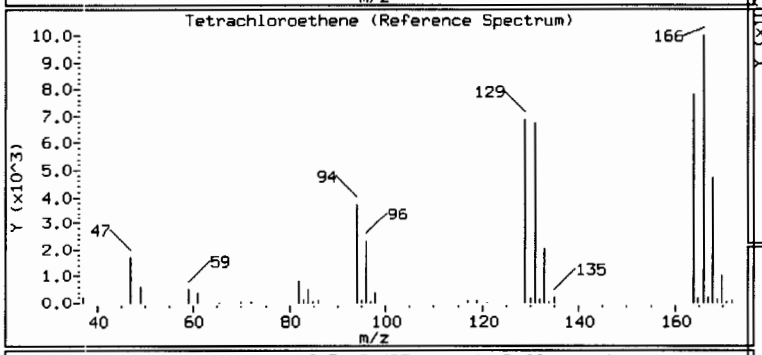
Client ID: MW-11D_050114 Instrument: D.i

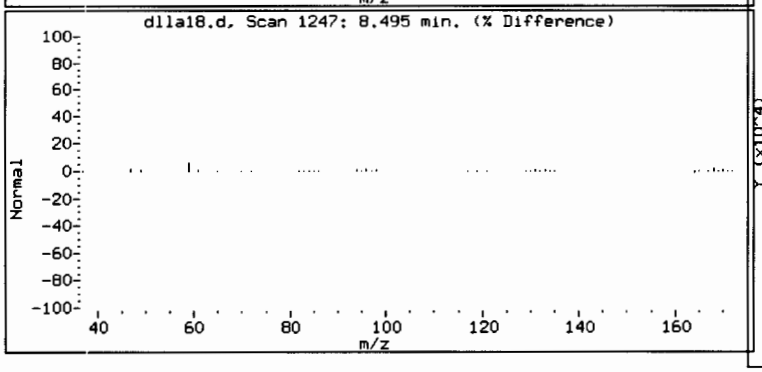
Sample Info: 200-22155-C-10 Operator: MTP

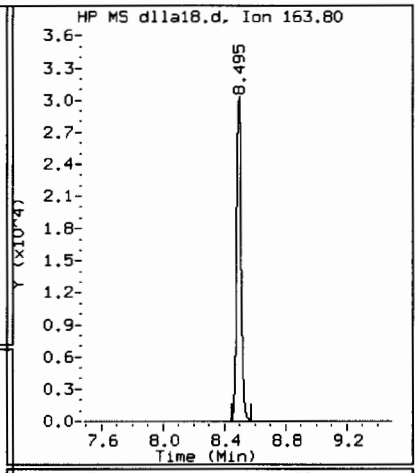
45 Tetrachloroethene

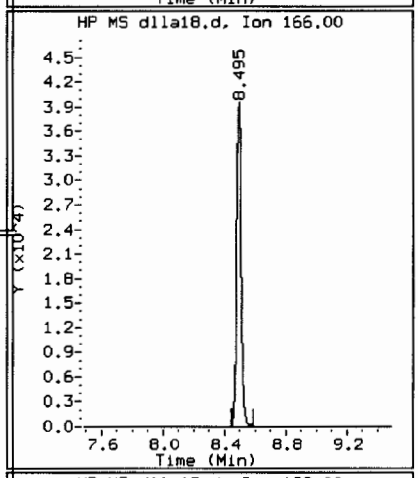


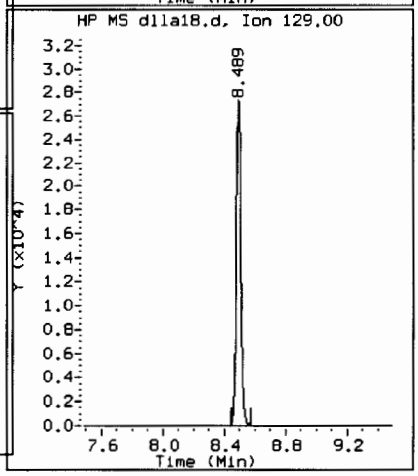








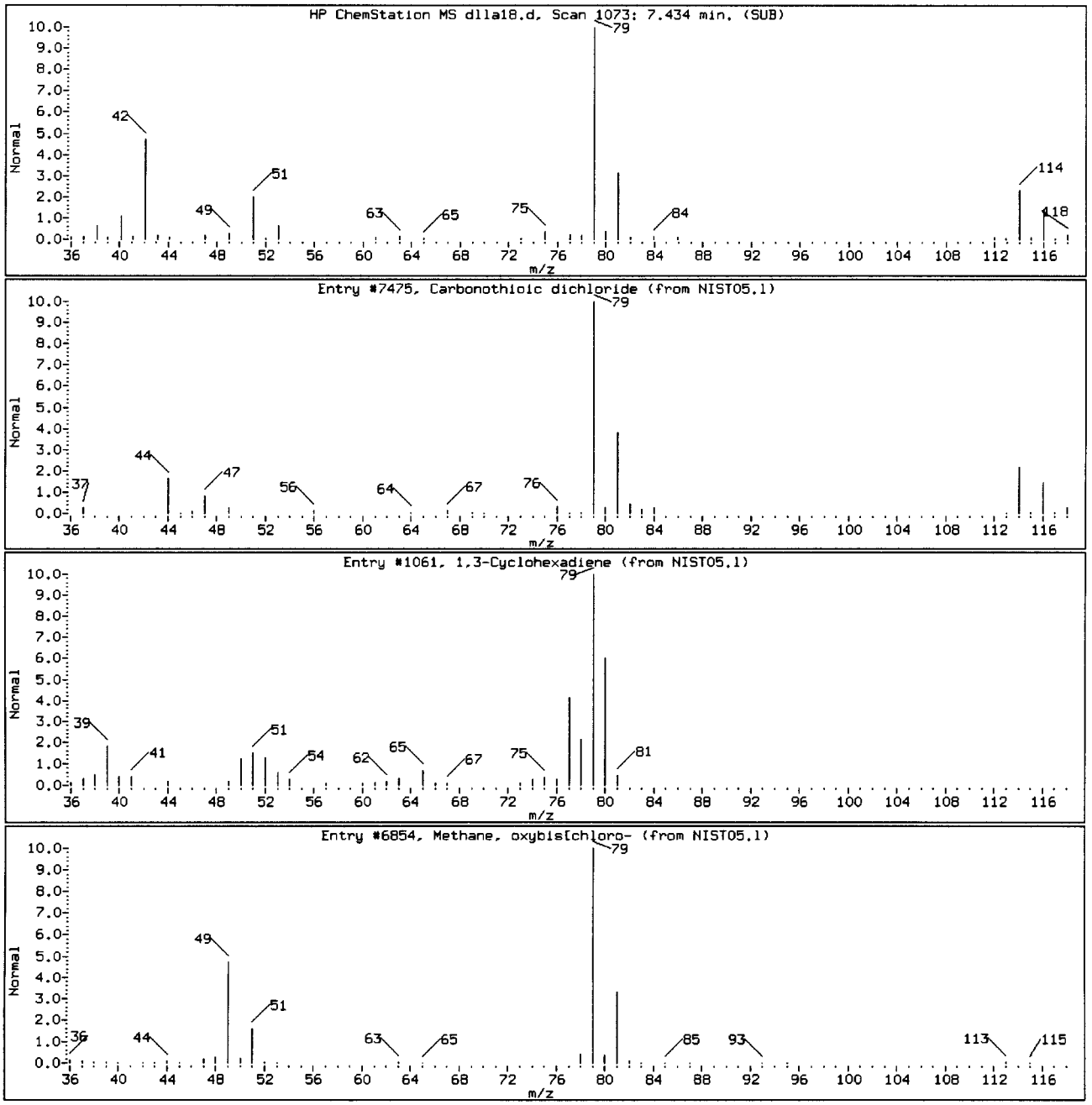




Data File: d11a18.d
Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01
Client ID: MW-11D_050114 Instrument: D.i
Sample Info: 200-22155-C-10 Operator: MTP

Retention Time: 7.43

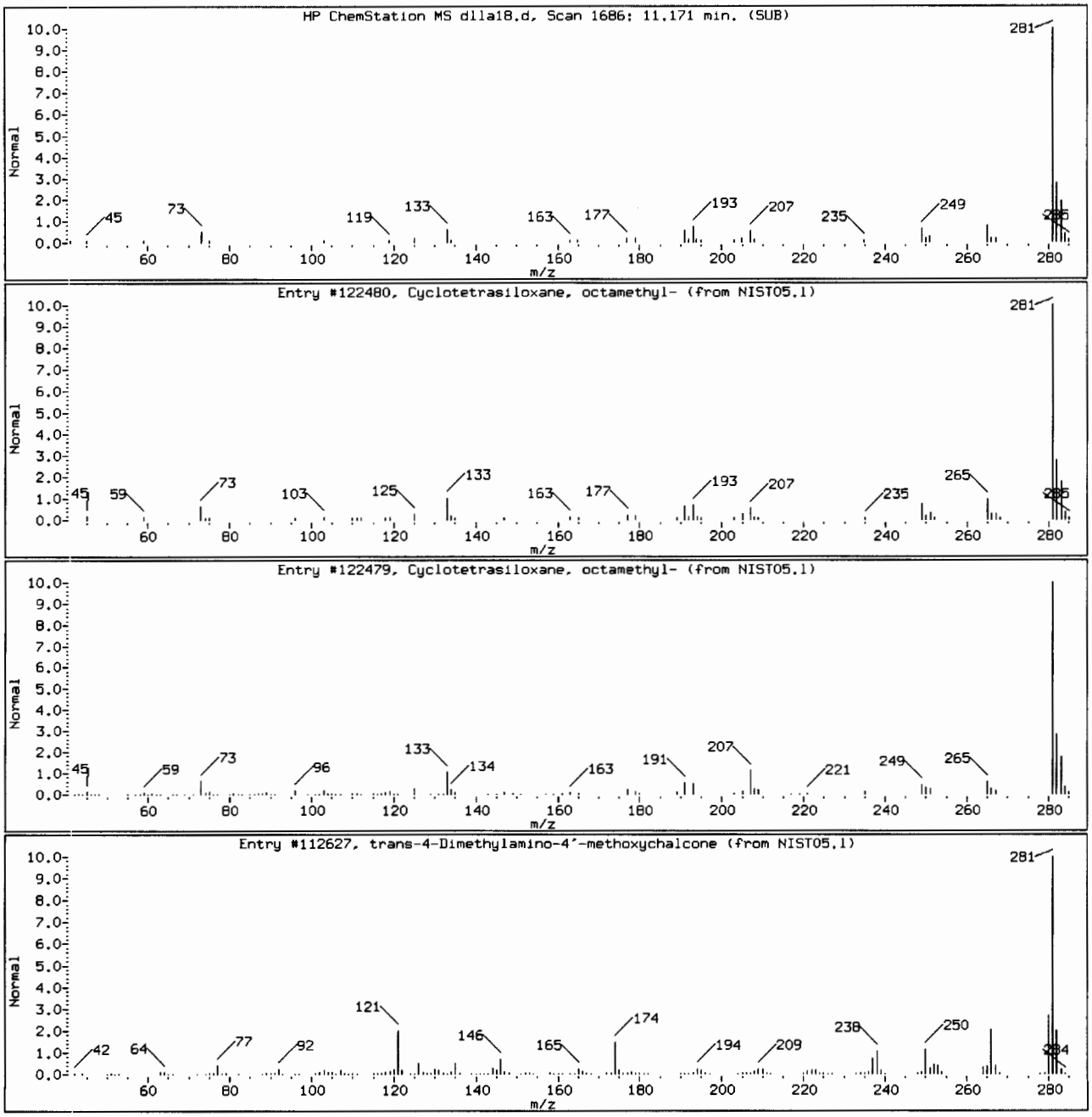
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114



Data File: d11a18.d
Lab Sample ID: 200-22155-10 Date: 08-MAY-2014 18:01
Client ID: MW-11D_050114 Instrument: D.i
Sample Info: 200-22155-C-10 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	122479	64	C8H24O4Si4	296
trans-4-Dimethylamino-4'-methoxych	52119-37-6	NIST05.1	112627	64	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: MW-5D_050114
Lab Sample ID: 200-22155-11
Matrix: Water
Lab File ID: dlla19.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 13:52
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 18:26
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	0.99		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	2.6	J	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	0.50	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	0.63		0.50	0.075
156-59-2	cis-1,2-Dichloroethene	9.8		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	6.9		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	1.3		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	0.41	J	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-5D_050114 | Lab Sample ID: 200-22155-11

Matrix: Water | Lab File ID: dlla19.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 13:52

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 18:26

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	101		65-131
19199-91-8	Chloroethane-d5	102		71-131
22280-73-5	1,1-Dichloroethene-d2	83		55-104
24313-50-6	2-Butanone-d5	99		49-155
865-49-6	Chloroform-d	98		78-121
17060-07-0	1,2-Dichloroethane-d4	108		78-129
1076-43-3	Benzene-d6	99		77-124
93952-08-0	1,2-Dichloropropane-d6	85		79-124
2037-26-5	Toluene-d8	99		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	90		73-121
4840-82-8	2-Hexanone-d5	101		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	97		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-5D_050114 Lab Sample ID: 200-22155-11

Matrix: Water Lab File ID: dl1a19.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 13:52

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 18:26

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: 1 TIC Result Total: 2.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.9	B 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-5D_050114 Lab Sample ID: 200-22155-11

Matrix: Water Lab File ID: dlla19.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 13:52

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 18:26

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: 200-22155-11
Client Smp ID: MW-5D_050114
Inj Date : 08-MAY-2014 18:26
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-11
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: 19
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)	107584	125.797	5.0
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	82812	127.914	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	182752	104.047	4.2
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	20123	24.6523	0.99(Q)
	11 1,1,2-Trichloro-1,2,2-trifluo	101	Compound Not Detected.					
	12 Acetone	43	2.929	2.972	(0.480)	4051	64.6315	2.6(a)
	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)	577	0.68339	0.027(aM)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	24448	15.7782	0.63
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	120245	1239.66	50
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	204144	245.808	9.8
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	182148	123.004	4.9
	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)	70917	135.403	5.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	426560	123.341	4.9
	30 Benzene	78	5.672	5.673	(0.599)	2063	0.57937	0.023(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	371260	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	160994	172.099	6.9
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	103402	106.803	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)	422242	123.307	4.9
	41 Toluene	91	7.861	7.861	(0.830)	123483	31.8133	1.3
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	79966	113.005	4.5
	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)	9555	10.1773	0.41(a)
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	101279	1260.15	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	9.477	9.477	(1.000)	295989	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)	40350	121.048	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)	147183	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)	127332	120.852	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.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-11
Client Smp ID: MW-5D_050114
Inj Date : 08-MAY-2014 18:26
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-11
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: 19
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	813293	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	471579	72.4798640	2.9	0		0	32

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla19.d

Date : 08-MAY-2014 18:26

Client ID: MW-5D_050114

Instrument: D.i

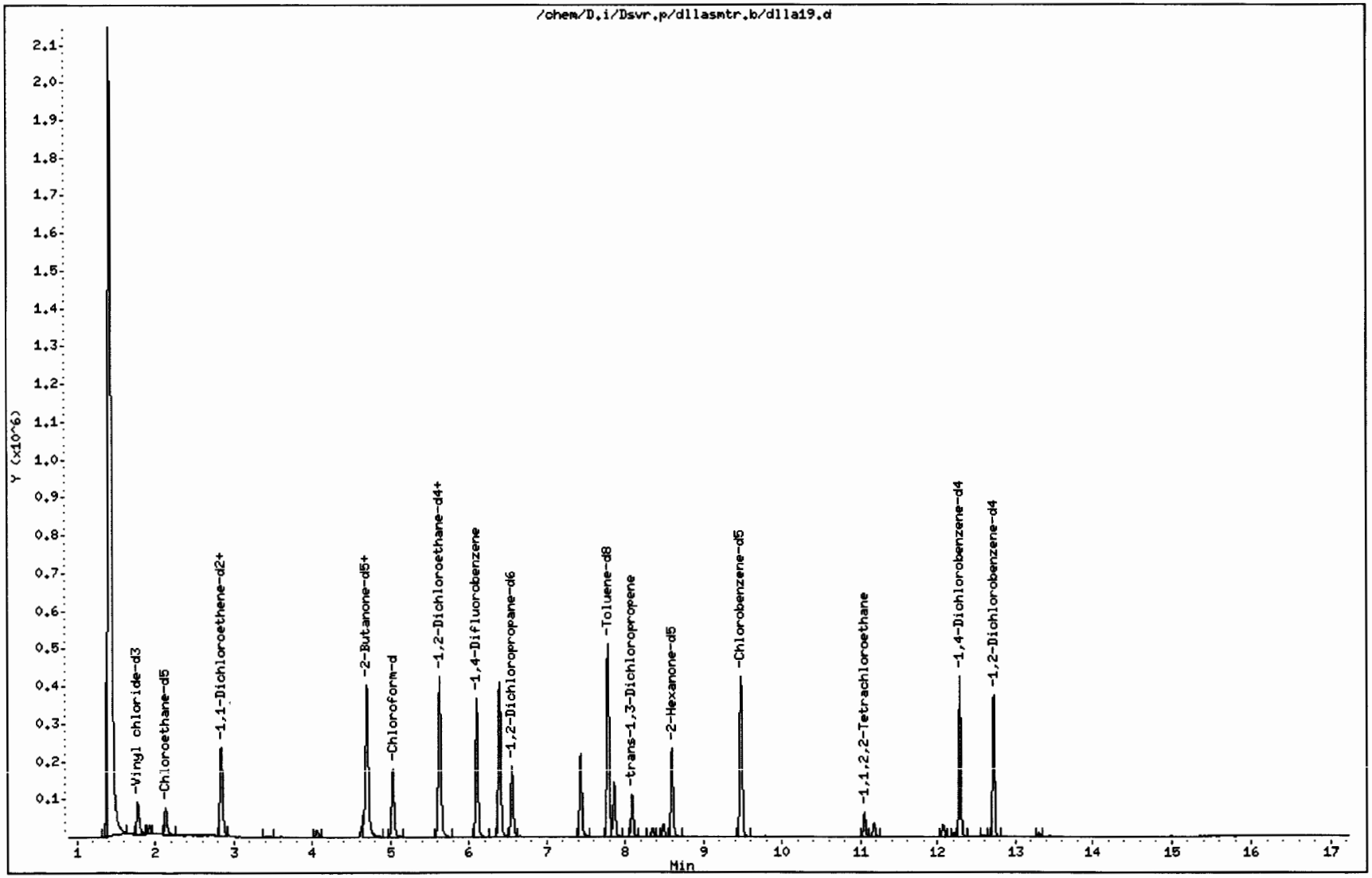
Sample Info: 200-22155-C-11

Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.20



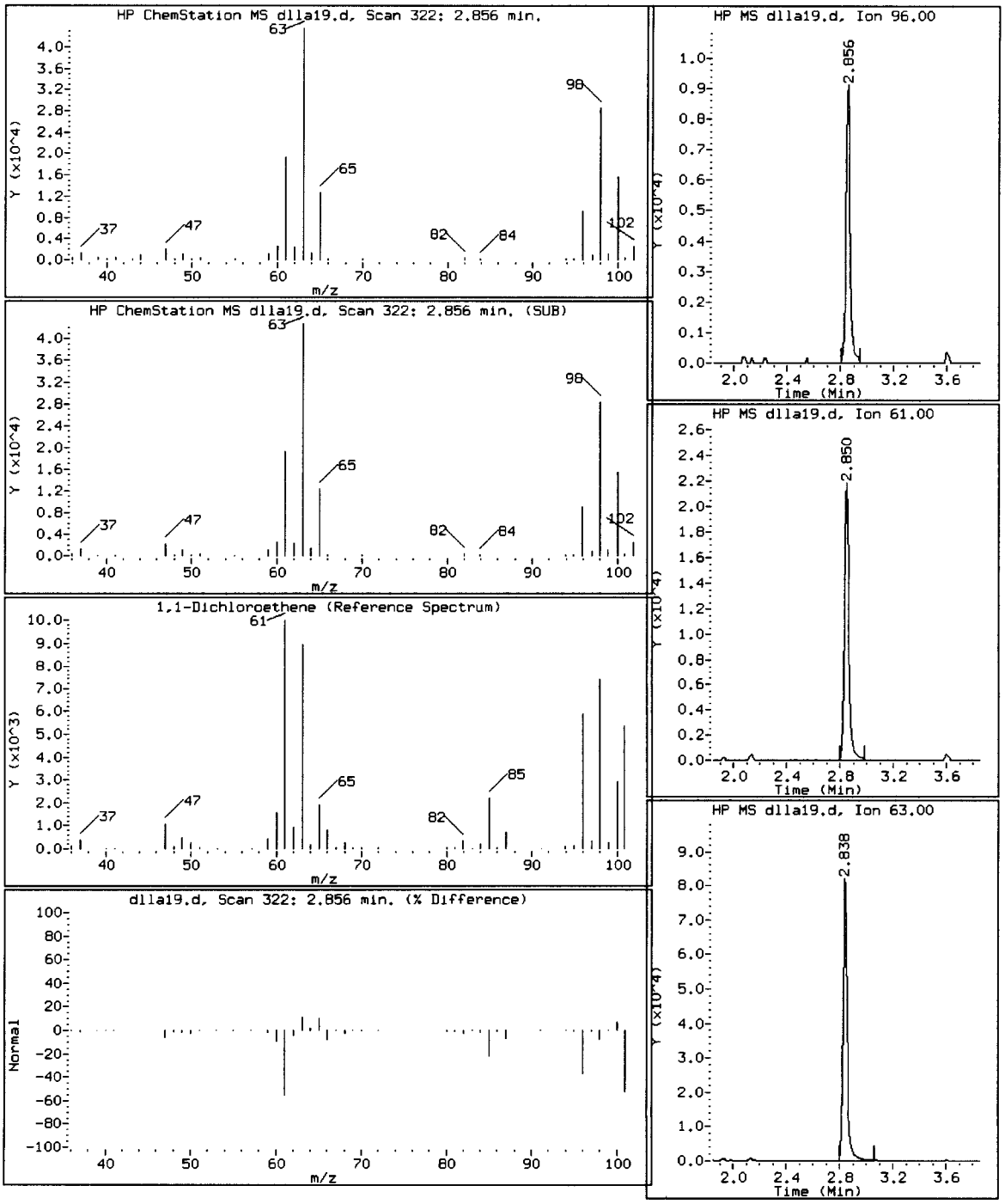
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

10 1,1-Dichloroethene



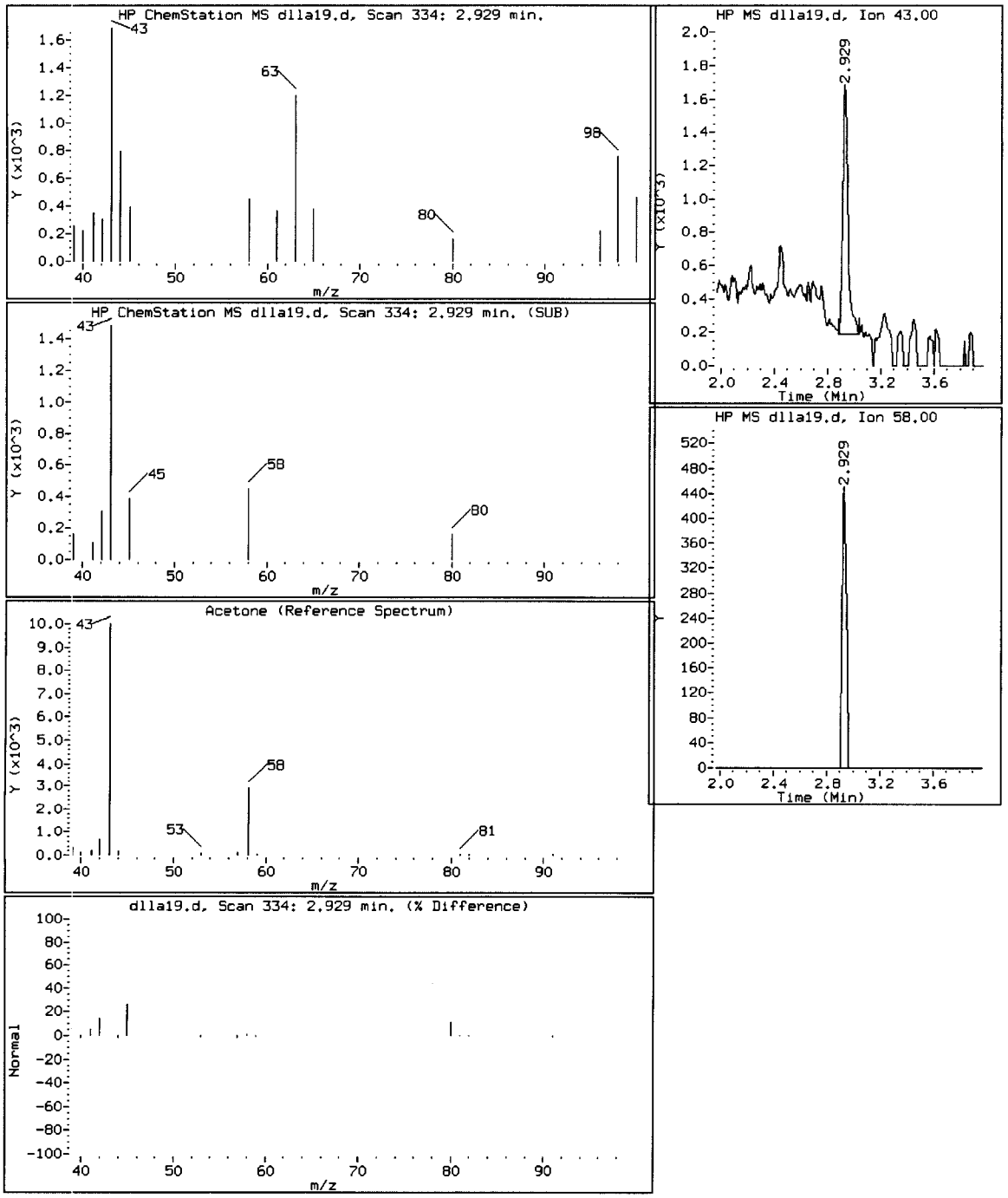
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

12 Acetone



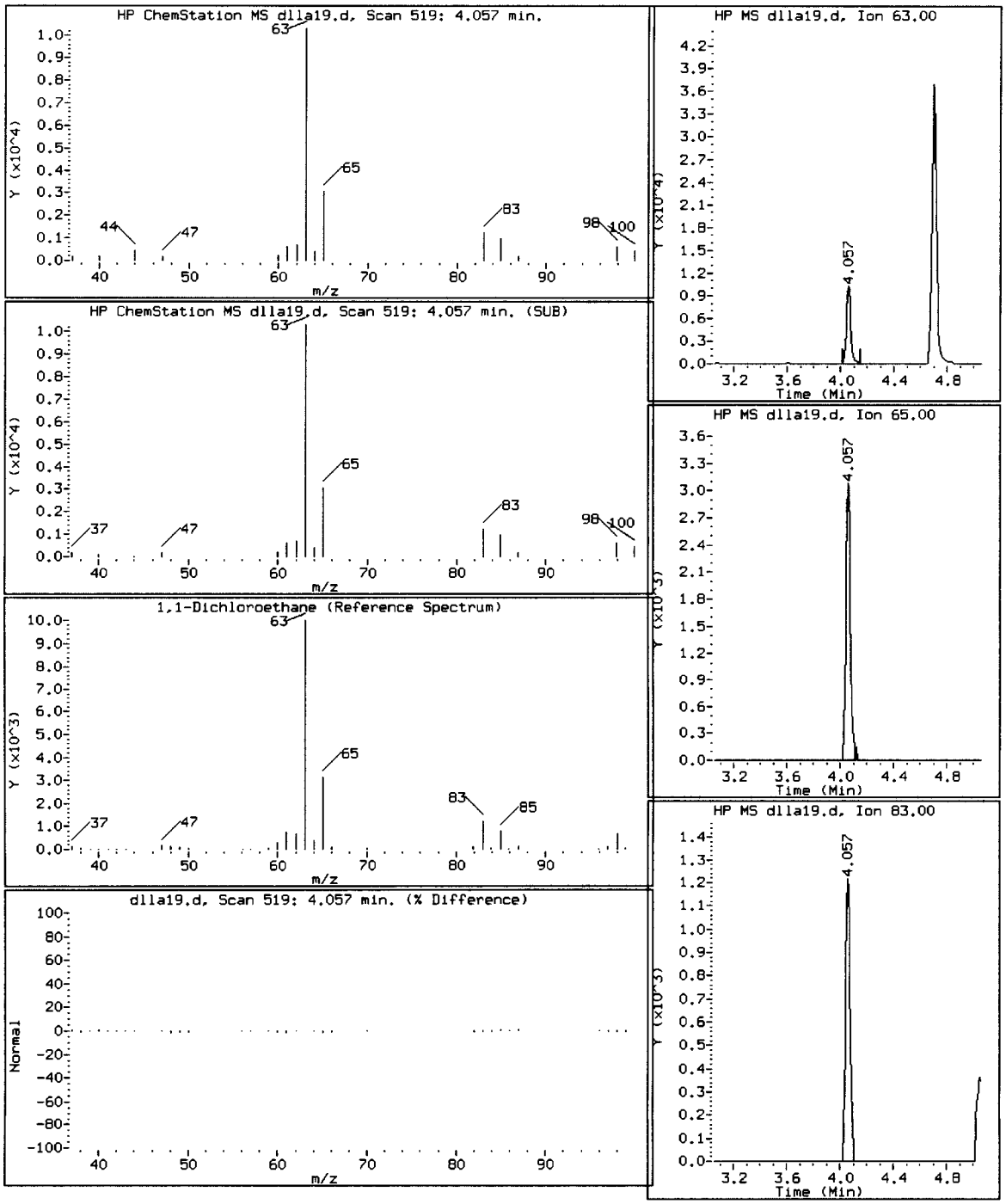
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

18 1,1-Dichloroethane



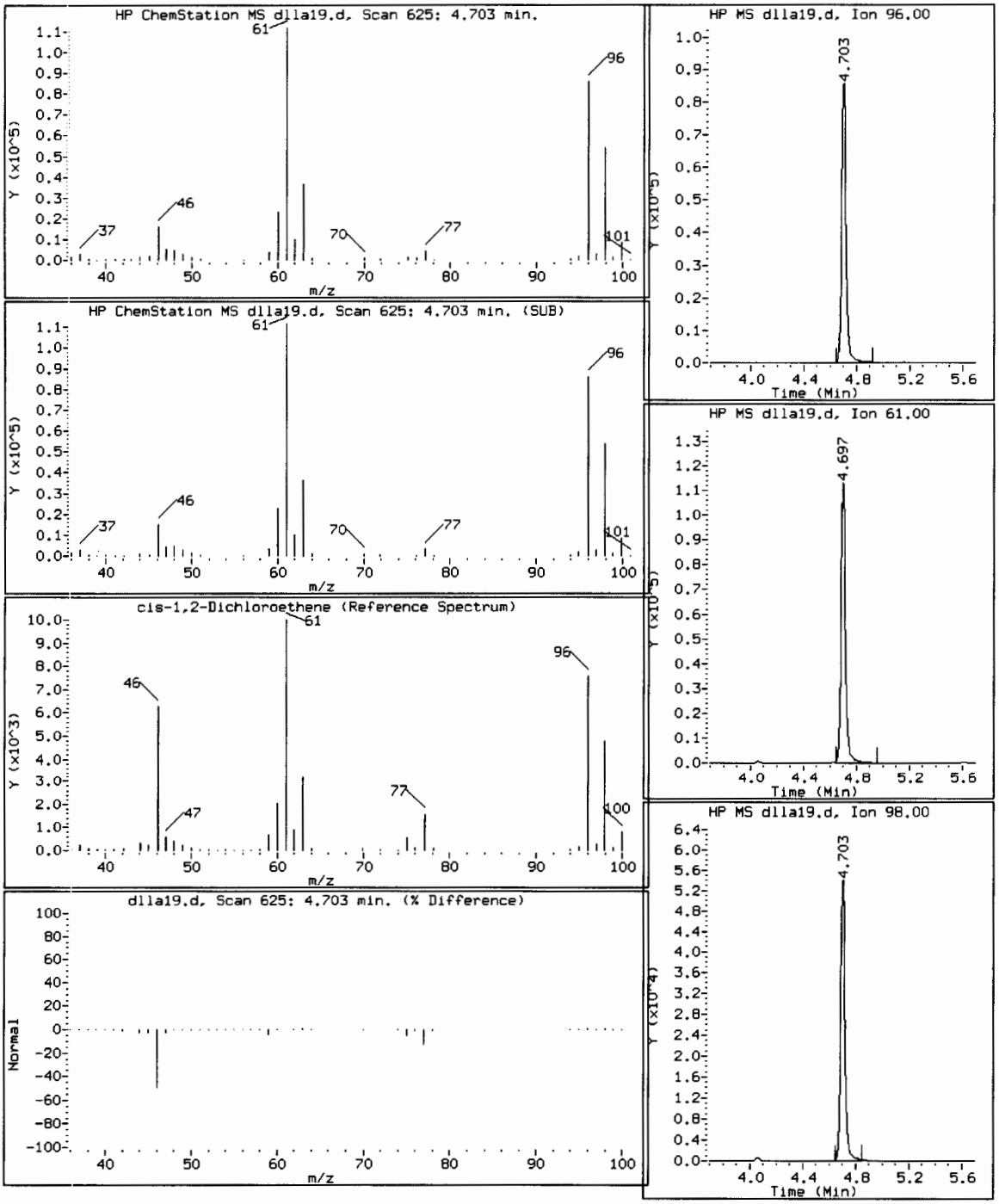
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

20 cis-1,2-Dichloroethene



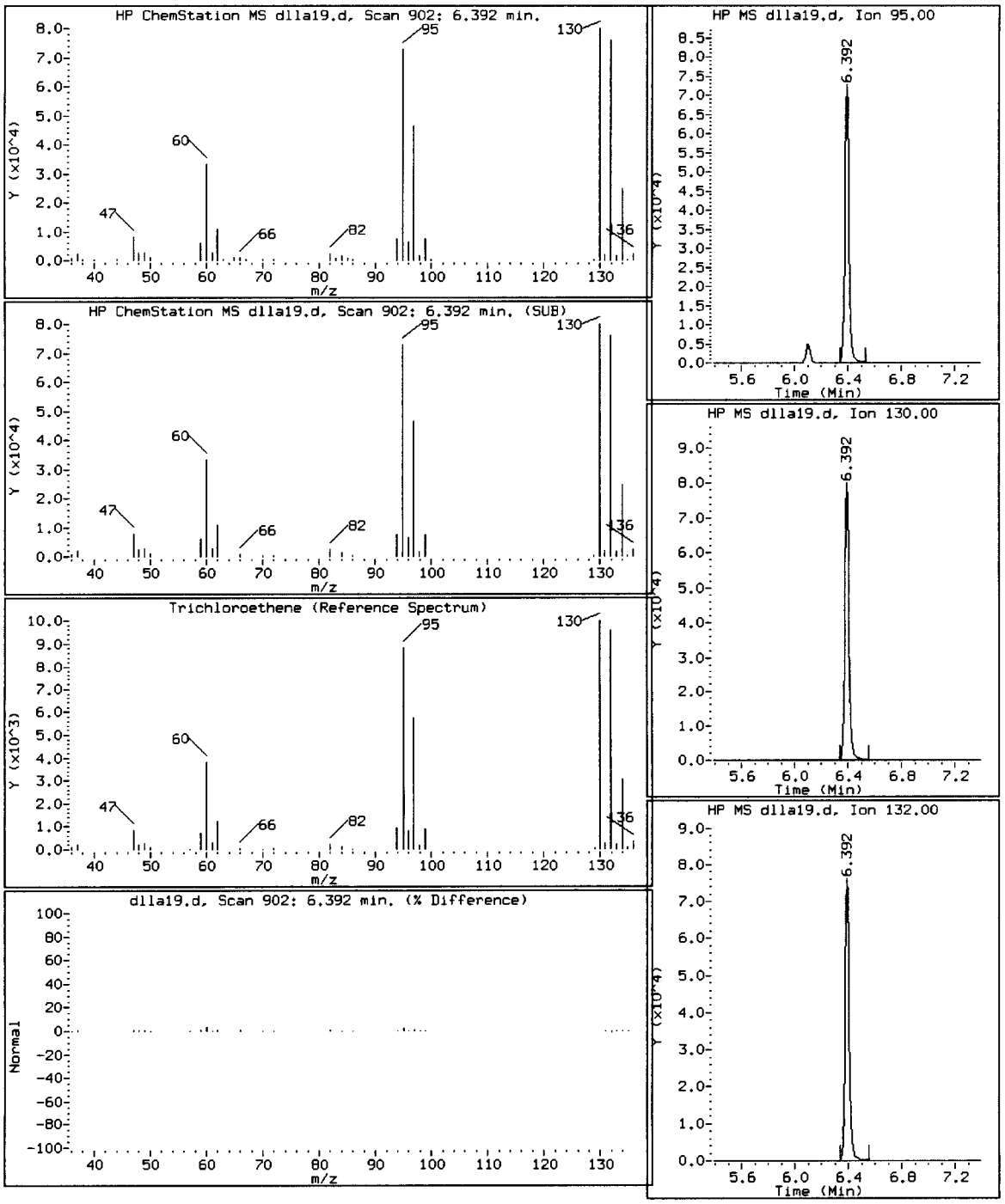
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

33 Trichloroethene



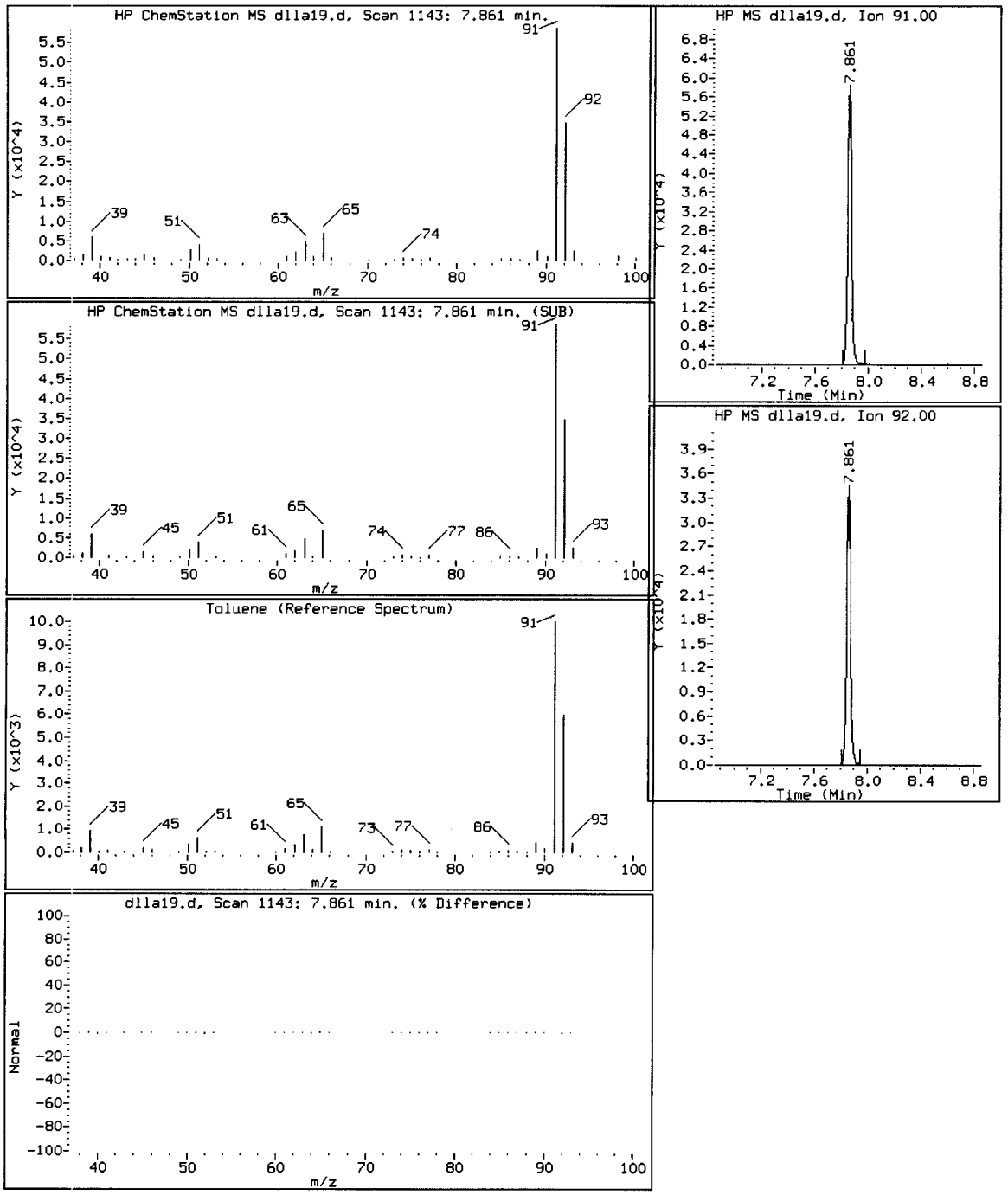
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

41 Toluene



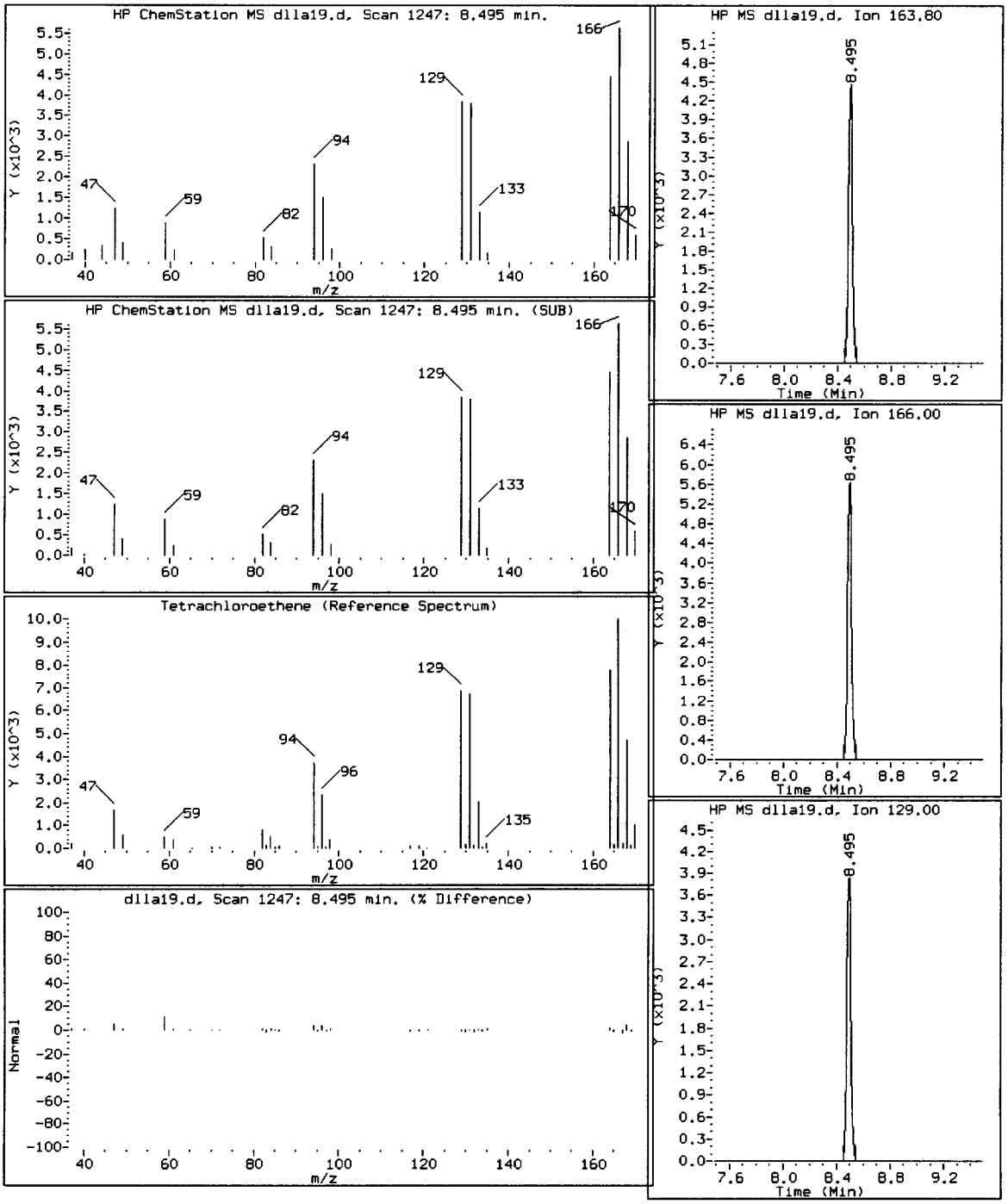
Data File: dlla19.d

Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26

Client ID: MW-5D_050114 Instrument: D.i

Sample Info: 200-22155-C-11 Operator: MTP

45 Tetrachloroethene



Manual Integration Report

Data File: dlla19.d
Lab Sample ID: 200-22155-11
Inj. Date and Time: 08-MAY-2014 18:26
Instrument ID: D.i
Client ID: MW-5D_050114
Compound: 16 trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 05/09/2014

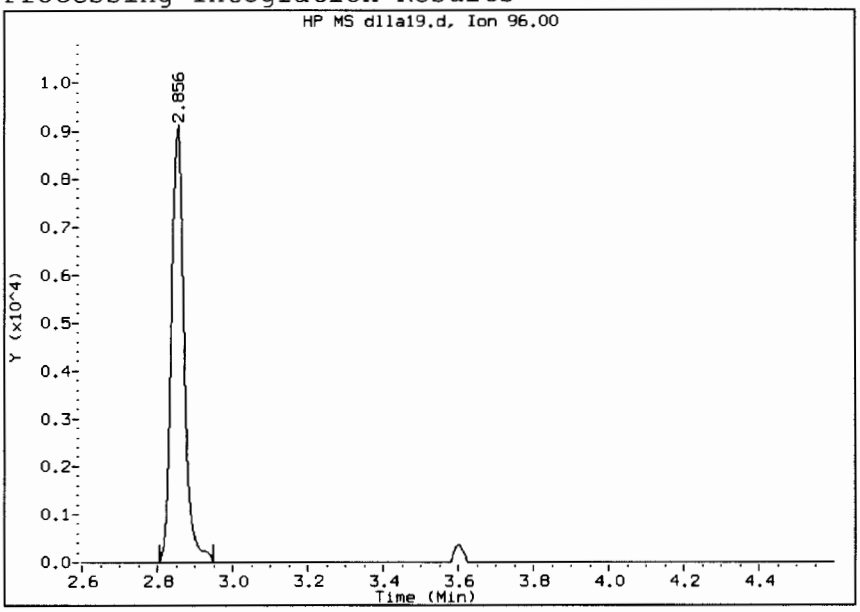
Processing Integration Results

RT: 2.86

Response: 20123

Amount: 23.83

Conc: 0.953337



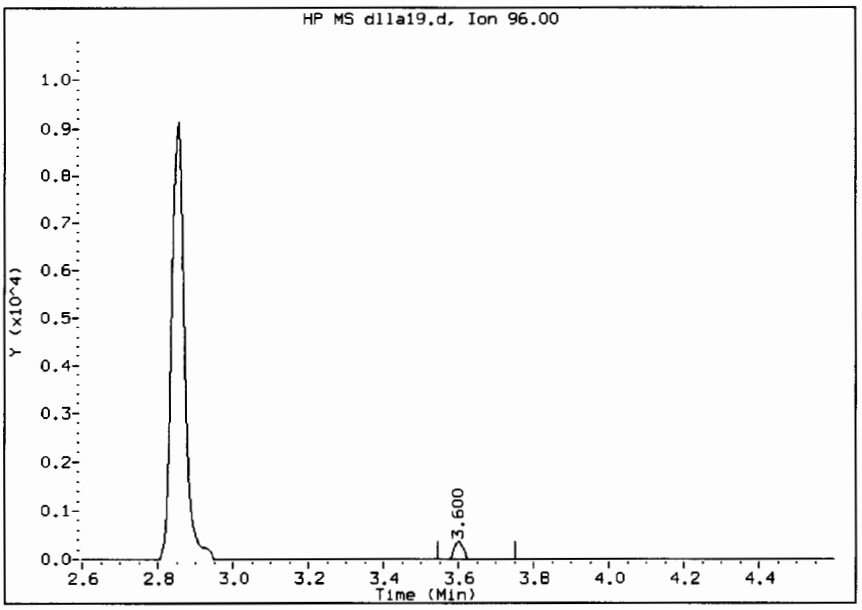
Manual Integration Results

RT: 3.60

Response: 577

Amount: 0.683392

Conc: 0.027336

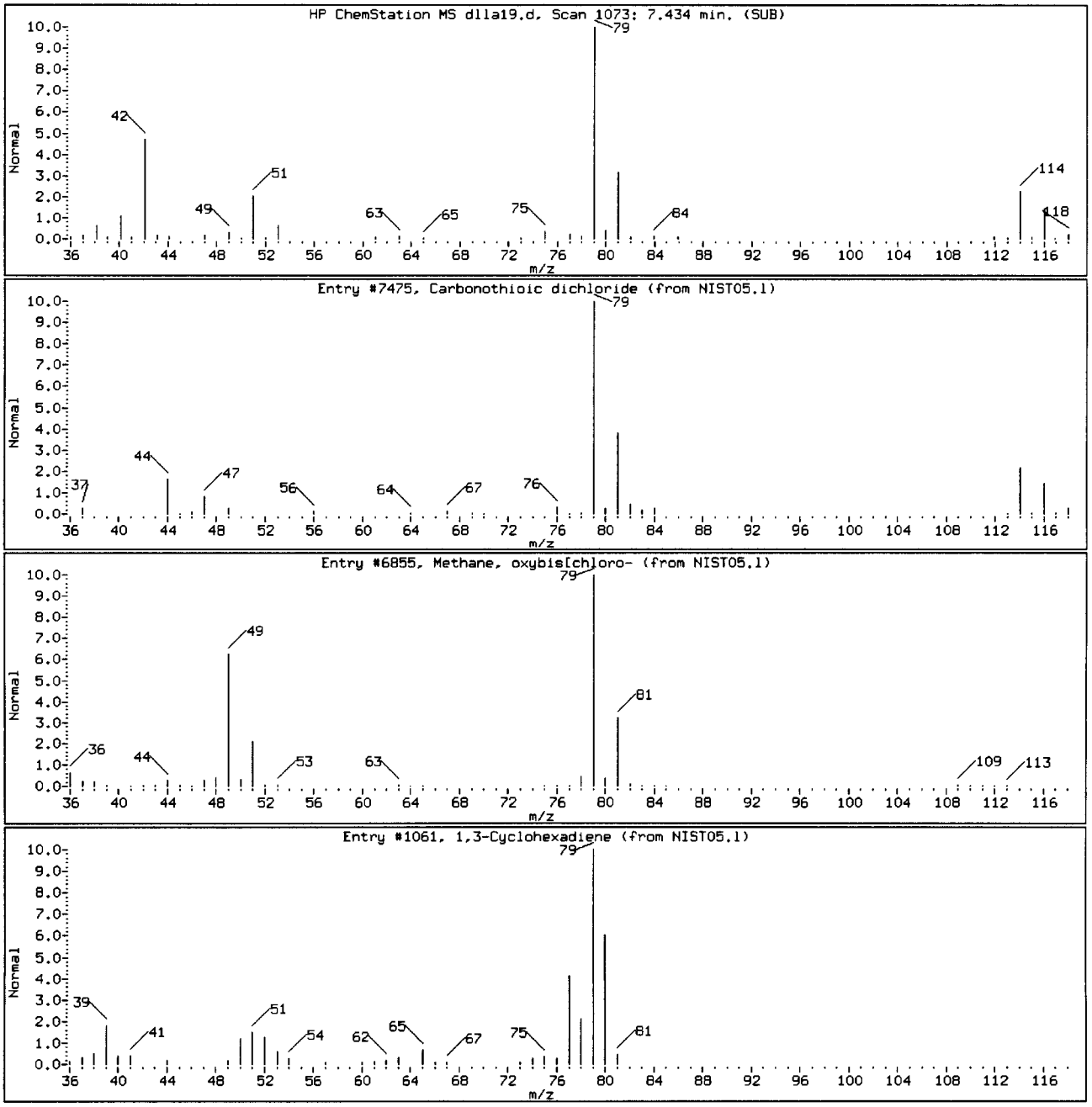


File Uploaded By: wilburj
Manual Integration Reason: Analyte misidentified by the data system

Data File: d11a19.d
Lab Sample ID: 200-22155-11 Date: 08-MAY-2014 18:26
Client ID: MW-5D_050114 Instrument: D.i
Sample Info: 200-22155-C-11 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	6855	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



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: DUP_050114 | Lab Sample ID: 200-22155-12

Matrix: Water | Lab File ID: dlla22.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 13:58

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 19:40

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	1.0		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	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	0.61		0.50	0.075
156-59-2	cis-1,2-Dichloroethene	9.9		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	7.1		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	1.3		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	0.42	J	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: DUP_050114 | Lab Sample ID: 200-22155-12

Matrix: Water | Lab File ID: dlla22.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 13:58

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 19:40

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	102		65-131
19199-91-8	Chloroethane-d5	102		71-131
22280-73-5	1,1-Dichloroethene-d2	84		55-104
24313-50-6	2-Butanone-d5	94		49-155
865-49-6	Chloroform-d	98		78-121
17060-07-0	1,2-Dichloroethane-d4	107		78-129
1076-43-3	Benzene-d6	99		77-124
93952-08-0	1,2-Dichloropropane-d6	84		79-124
2037-26-5	Toluene-d8	99		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	88		73-121
4840-82-8	2-Hexanone-d5	98		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	90		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: DUP_050114 Lab Sample ID: 200-22155-12

Matrix: Water Lab File ID: dl1a22.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 13:58

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 19:40

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: 2 TIC Result Total: 3.45

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.8	J B
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.65	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: DUP_050114 Lab Sample ID: 200-22155-12

Matrix: Water Lab File ID: dlla22.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 13:58

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 19:40

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: 200-22155-12
Client Smp ID: DUP_050114
Inj Date : 08-MAY-2014 19:40
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-12
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: 22
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)	104759	126.911	5.1
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	79745	127.619	5.1
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	178433	105.252	4.2
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	19751	25.0692	1.0(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	(0.468)	680	0.83443	0.033(aQMH)
	17 Methyl tert-butyl ether	73	Compound Not Detected.					
	18 1,1-Dichloroethane	63	4.057	4.057	(0.664)	22945	15.3422	0.61
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	109628	1170.96	47
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	198446	247.565	9.9
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	174676	122.212	4.9
	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	5.612	5.612	(0.919)	67572	133.669	5.3
$	29 Benzene-d6	84	5.630	5.630	(0.594)	410926	123.324	4.9
	30 Benzene	78	5.672	5.673	(0.599)	2827	0.82402	0.033(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	358337	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	160570	178.152	7.1
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	98408	105.497	4.2
	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)	407167	123.411	4.9
	41 Toluene	91	7.861	7.861	(0.830)	119364	31.9177	1.3
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	75229	110.340	4.4
	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)	9439	10.4348	0.42(a)
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	94986	1226.65	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)	285180	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)	36076	112.329	4.5
	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)	137288	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)	116041	118.073	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).
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-12
Client Smp ID: DUP_050114
Inj Date : 08-MAY-2014 19:40
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-12
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: 22
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	791890	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	772010	125.000

	CONCENTRATIONS				QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	447867	70.6959347	2.8	0		0	32
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	100777	16.3173531	0.65	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla22.d

Date : 08-MAY-2014 19:40

Client ID: DUP_050114

Instrument: D.i

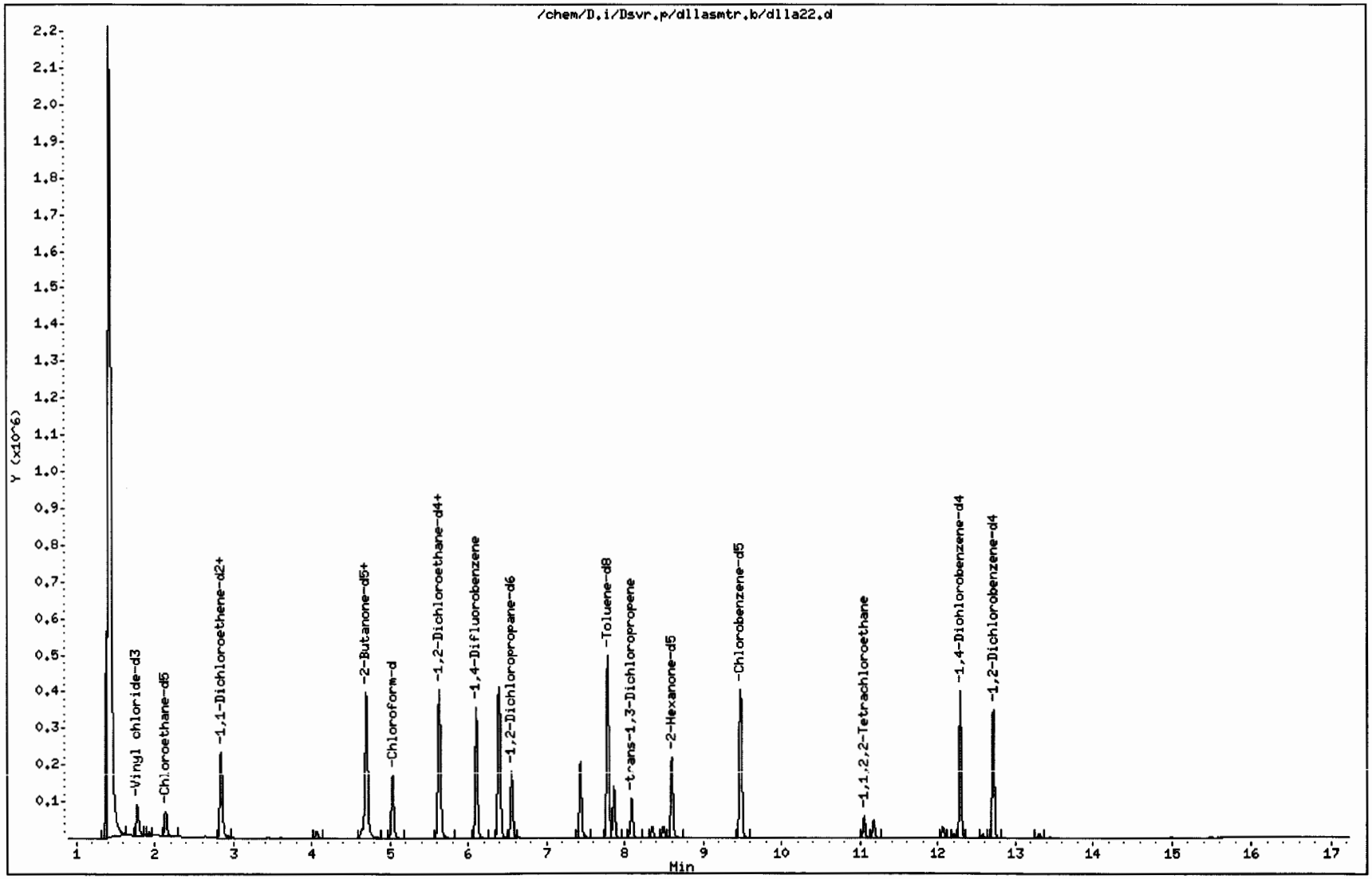
Sample Info: 200-22155-C-12

Purge Volume: 25.0

Operator: MTP

Column phase: DB-624

Column diameter: 0.20



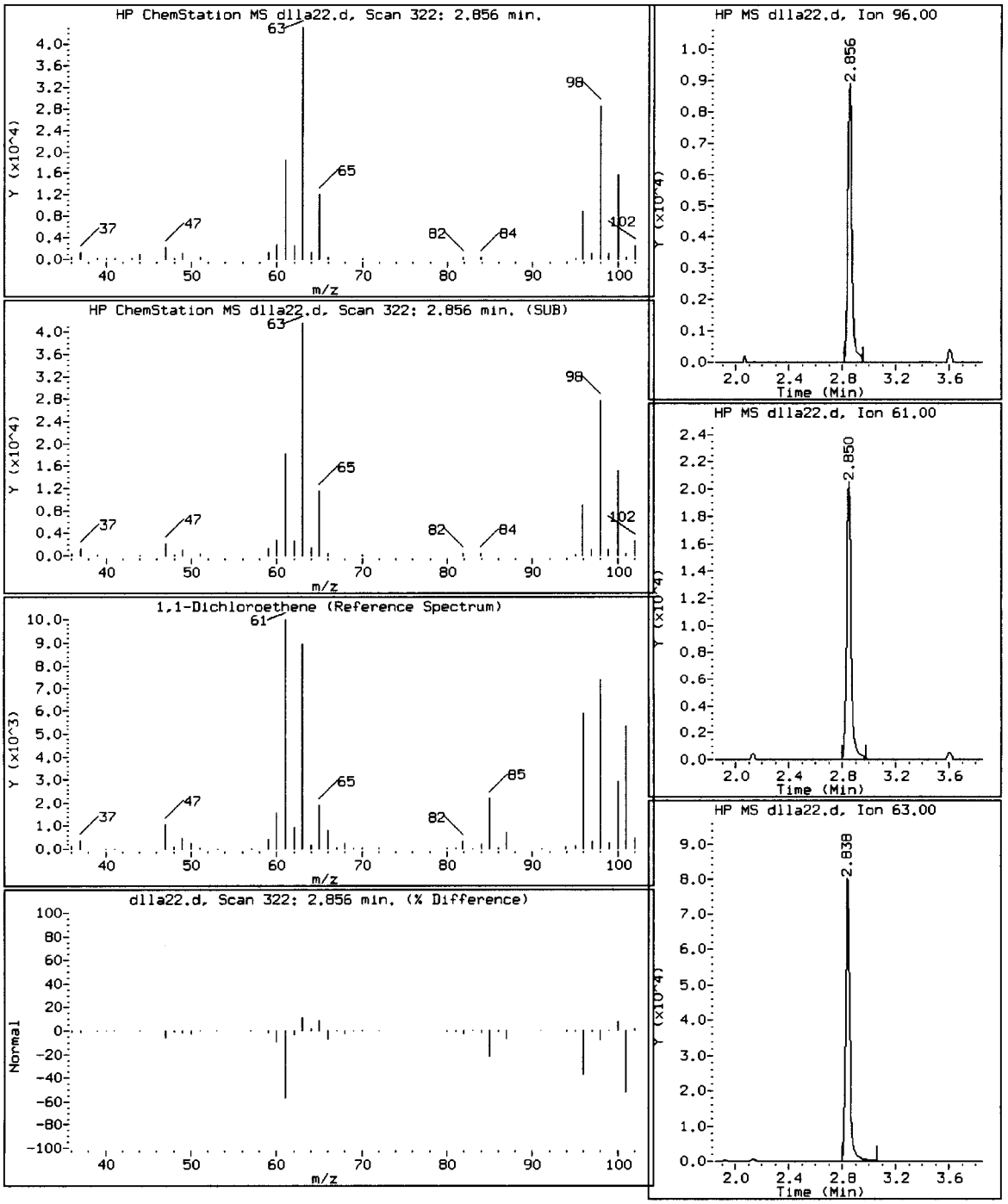
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

10 1,1-Dichloroethene



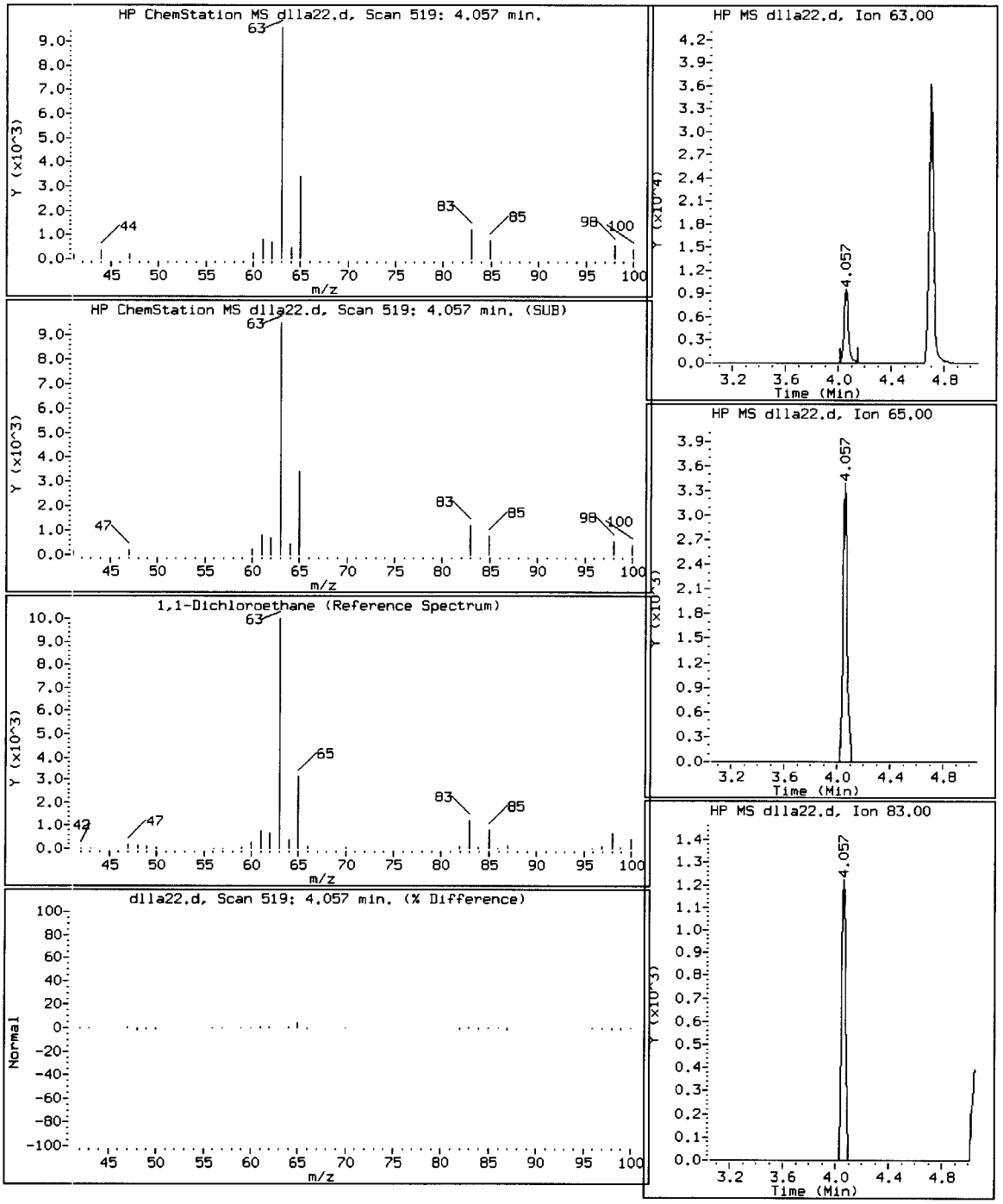
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

18 1,1-Dichloroethane



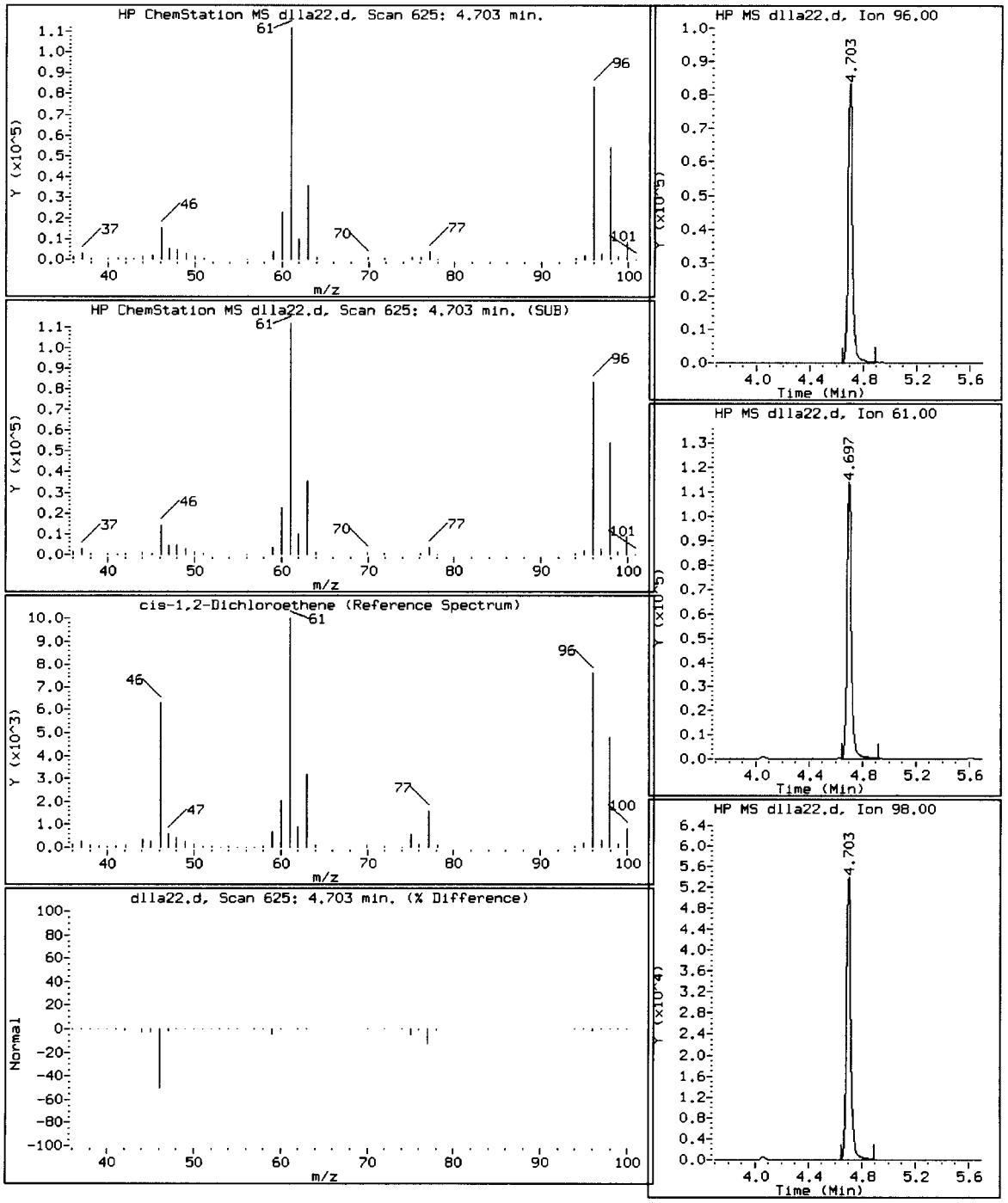
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

20 cis-1,2-Dichloroethene



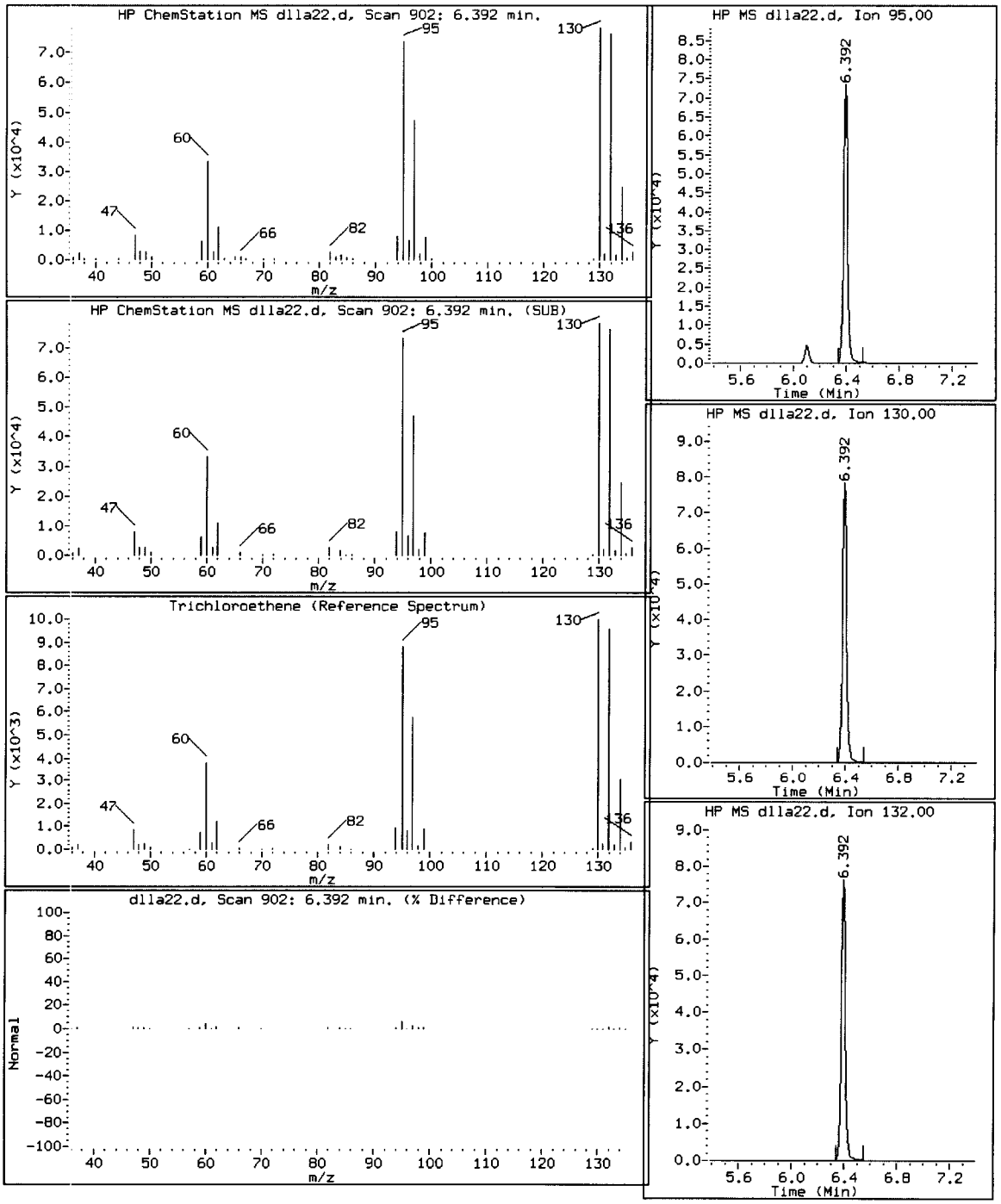
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

33 Trichloroethene



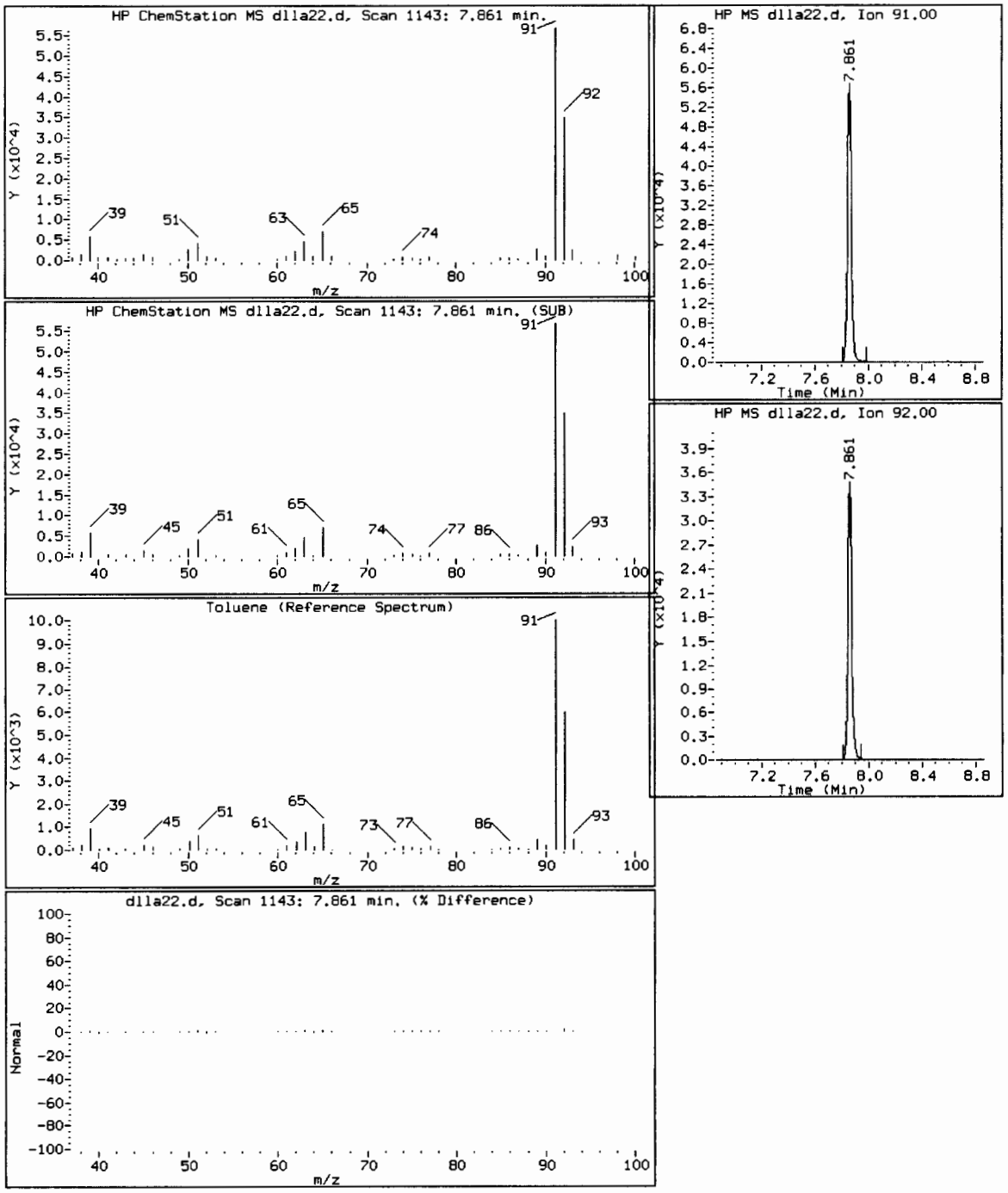
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

41 Toluene



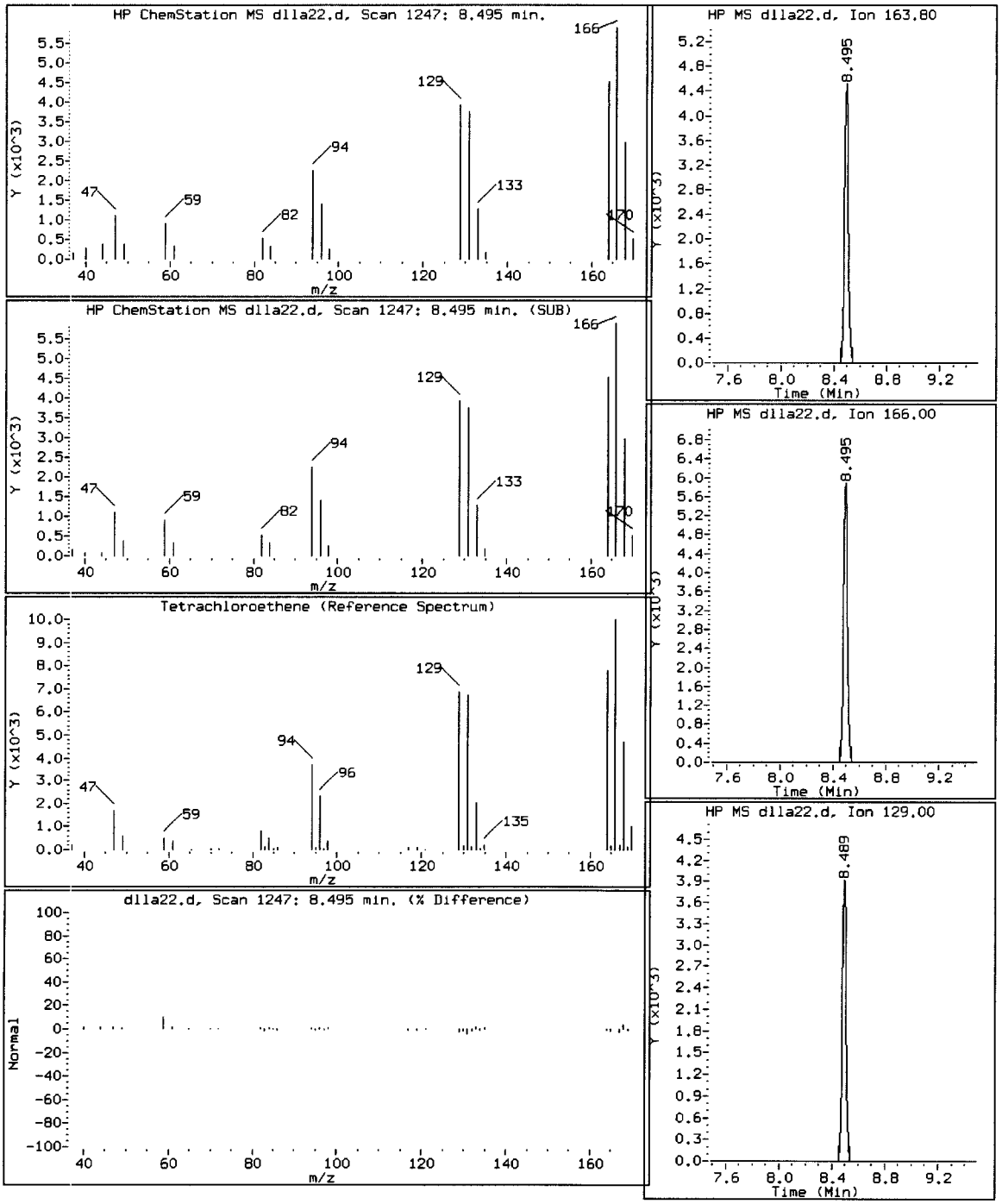
Data File: dlla22.d

Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40

Client ID: DUP_050114 Instrument: D.i

Sample Info: 200-22155-C-12 Operator: MTP

45 Tetrachloroethene



Manual Integration Report

Data File: dlla22.d
Lab Sample ID: 200-22155-12
Inj. Date and Time: 08-MAY-2014 19:40
Instrument ID: D.i
Client ID: DUP_050114
Compound: 16 trans-1,2-Dichloroethene
CAS #: 156-60-5
Report Date: 05/09/2014

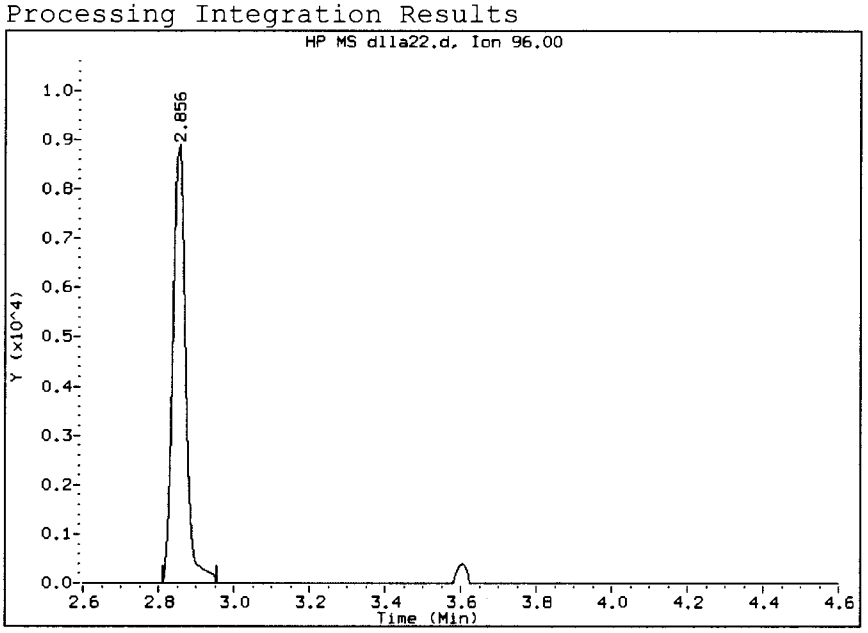
Processing Integration Results

RT: 2.86

Response: 19751

Amount: 24.24

Conc: 0.969459



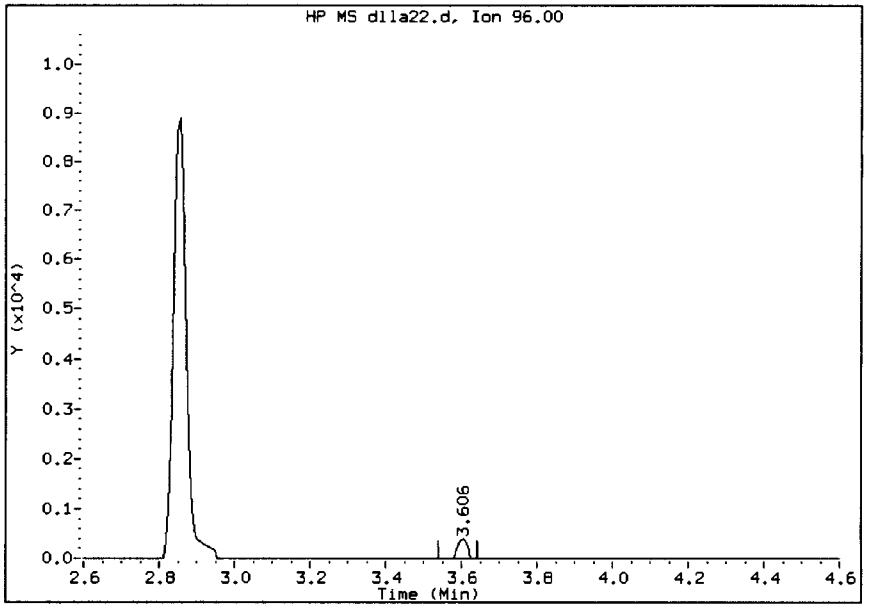
Manual Integration Results

RT: 3.61

Response: 680

Amount: 0.834429

Conc: 0.033377

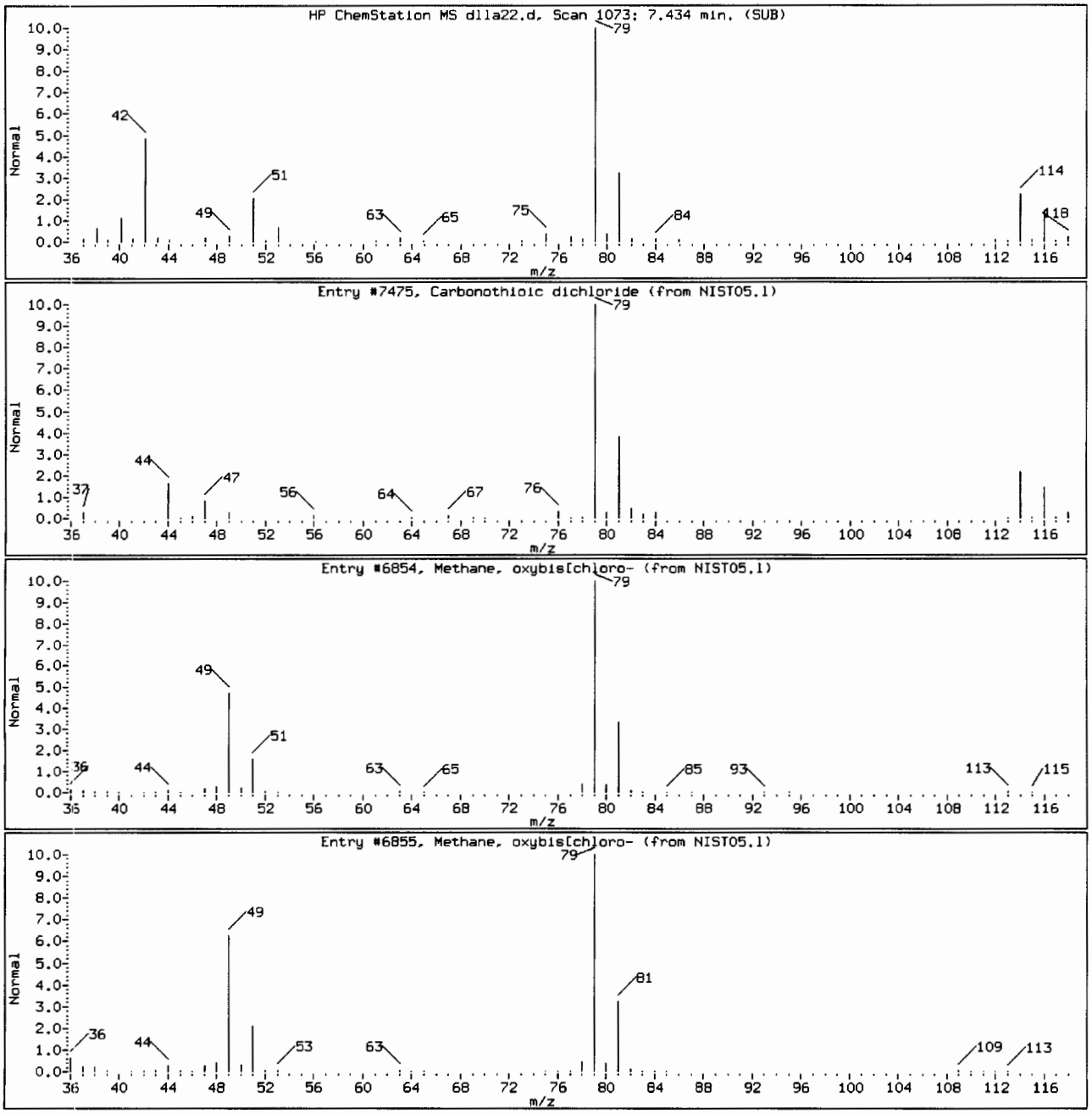


File Uploaded By: wilburj
Manual Integration Reason: Analyte not identified by the data system

Data File: d11a22.d
Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40
Client ID: DUP_050114 Instrument: D.i
Sample Info: 200-22155-C-12 Operator: MTP

Retention Time: 7.43

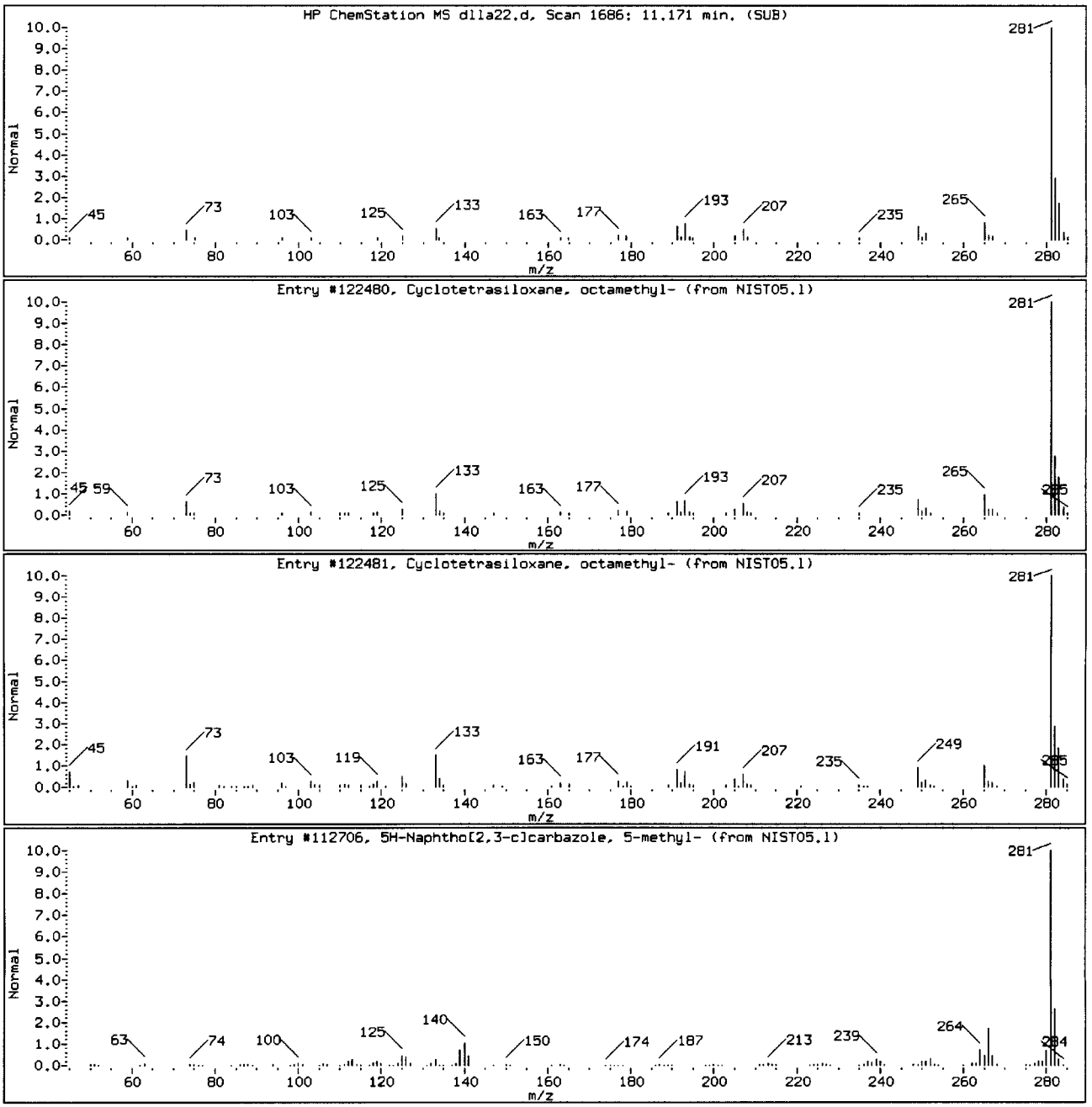
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114



Data File: dlla22.d
Lab Sample ID: 200-22155-12 Date: 08-MAY-2014 19:40
Client ID: DUP_050114 Instrument: D.i
Sample Info: 200-22155-C-12 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	90	C8H24O4Si4	296
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-15D_050114 | Lab Sample ID: 200-22155-13

Matrix: Water | Lab File ID: d11a23.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 15:13

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:04

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	4.6		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	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	0.27	J	0.50	0.075
156-59-2	cis-1,2-Dichloroethene	2.9		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	1.7		0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.13	J	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	18		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	2.8		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-15D_050114
Lab Sample ID: 200-22155-13
Matrix: Water
Lab File ID: d11a23.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 15:13
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 20:04
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	108		71-131
22280-73-5	1,1-Dichloroethene-d2	105	X	55-104
24313-50-6	2-Butanone-d5	98		49-155
865-49-6	Chloroform-d	100		78-121
17060-07-0	1,2-Dichloroethane-d4	113		78-129
1076-43-3	Benzene-d6	101		77-124
93952-08-0	1,2-Dichloropropane-d6	88		79-124
2037-26-5	Toluene-d8	101		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	90		73-121
4840-82-8	2-Hexanone-d5	103		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	93		73-125
2199-69-1	1,2-Dichlorobenzene-d4	100		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-15D_050114
Lab Sample ID: 200-22155-13
Matrix: Water
Lab File ID: dlla23.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 15:13
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 20:04
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: 1
TIC Result Total: 2.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.9	J B

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-15D_050114 Lab Sample ID: 200-22155-13

Matrix: Water Lab File ID: dl1a23.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 15:13

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 20:04

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			

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-15D_050114
Lab Sample ID: 200-22155-13
Matrix: Water
Lab File ID: dlla23.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 15:13
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 20:04
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: 200-22155-13
Client Smp ID: MW-15D_050114
Inj Date : 08-MAY-2014 20:04
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-13
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: 23
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)	101636	133.845	5.4
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	77923	135.557	5.4
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	2.380	2.374	(0.390)	1023	0.74018	0.030(aQ)
$	9 1,1-Dichloroethene-d2	63	2.844	2.838	(0.466)	205061	131.487	5.3(R)
	10 1,1-Dichloroethene	96	2.856	2.850	(0.468)	83958	115.840	4.6(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	4.063	4.057	(0.665)	9322	6.77573	0.27(a)
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	105133	1220.70	49
	20 cis-1,2-Dichloroethene	96	4.703	4.697	(0.770)	52782	71.5778	2.9
	21 2-Butanone	43	Compound Not Detected.					
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.824)	164184	124.870	5.0
	24 Chloroform	83	Compound Not Detected.					
	25 1,1,1-Trichloroethane	97	5.258	5.252	(0.555)	59448	43.6039	1.7
	26 Cyclohexane	56	Compound Not Detected.					
	27 Carbon tetrachloride	117	5.441	5.435	(0.574)	3873	3.14286	0.13(a)
$	28 1,2-Dichloroethane-d4	65	5.612	5.612	(0.919)	65488	140.822	5.6
$	29 Benzene-d6	84	5.630	5.630	(0.594)	390350	126.525	5.1
	30 Benzene	78	5.672	5.673	(0.599)	2484	0.78200	0.031(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	329644	125.000	
	33 Trichloroethene	95	6.392	6.392	(0.674)	366036	438.620	18
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	94790	109.752	4.4
	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)	384922	126.007	5.0
	41 Toluene	91	7.861	7.861	(0.830)	120648	34.8432	1.4
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	70727	112.040	4.5
	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)	58475	69.8180	2.8
$	46 2-Hexanone-d5	63	8.599	8.599	(0.907)	92177	1285.65	51
	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)	264046	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)	34753	116.870	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)	130555	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)	117147	125.346	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: 200-22155-13
Client Smp ID: MW-15D_050114
Inj Date : 08-MAY-2014 20:04
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-C-13
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: 23
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

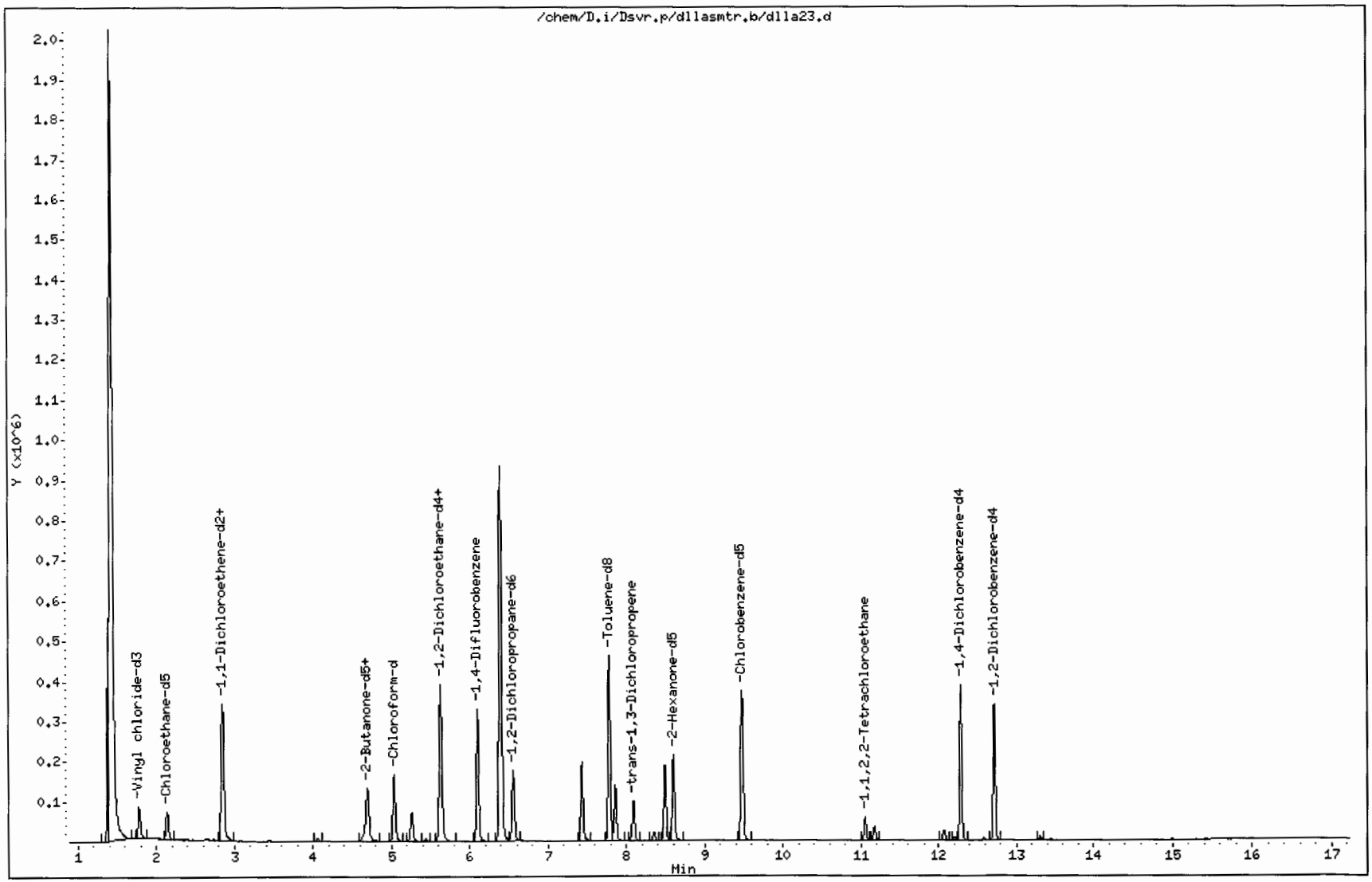
ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.105	728104	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	424929	72.9512503	2.9	0		0	32

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla23.d
Date : 08-MAY-2014 20:04
Client ID: MW-15D_050114
Sample Info: 200-22155-C-13
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



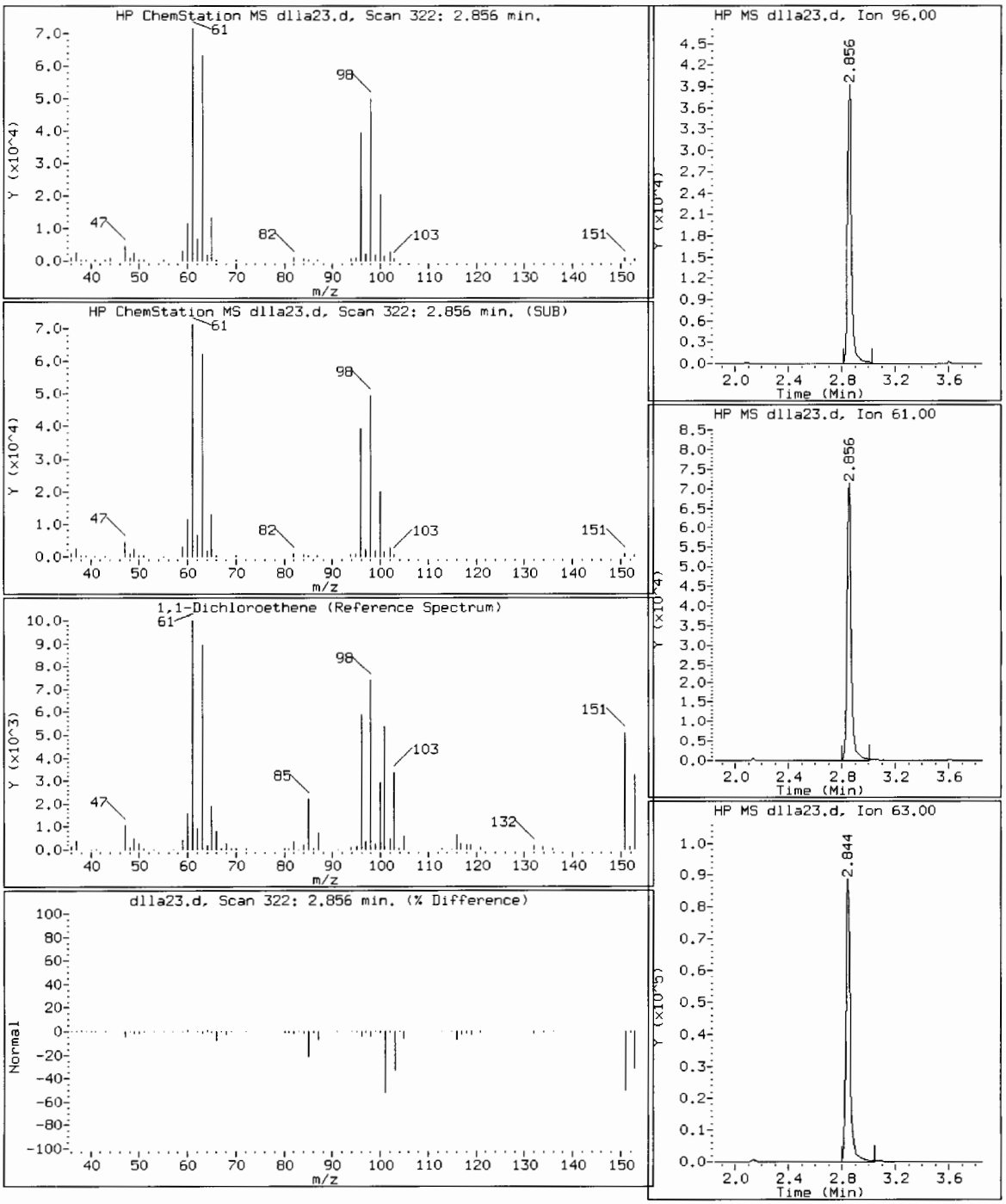
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

10 1,1-Dichloroethene



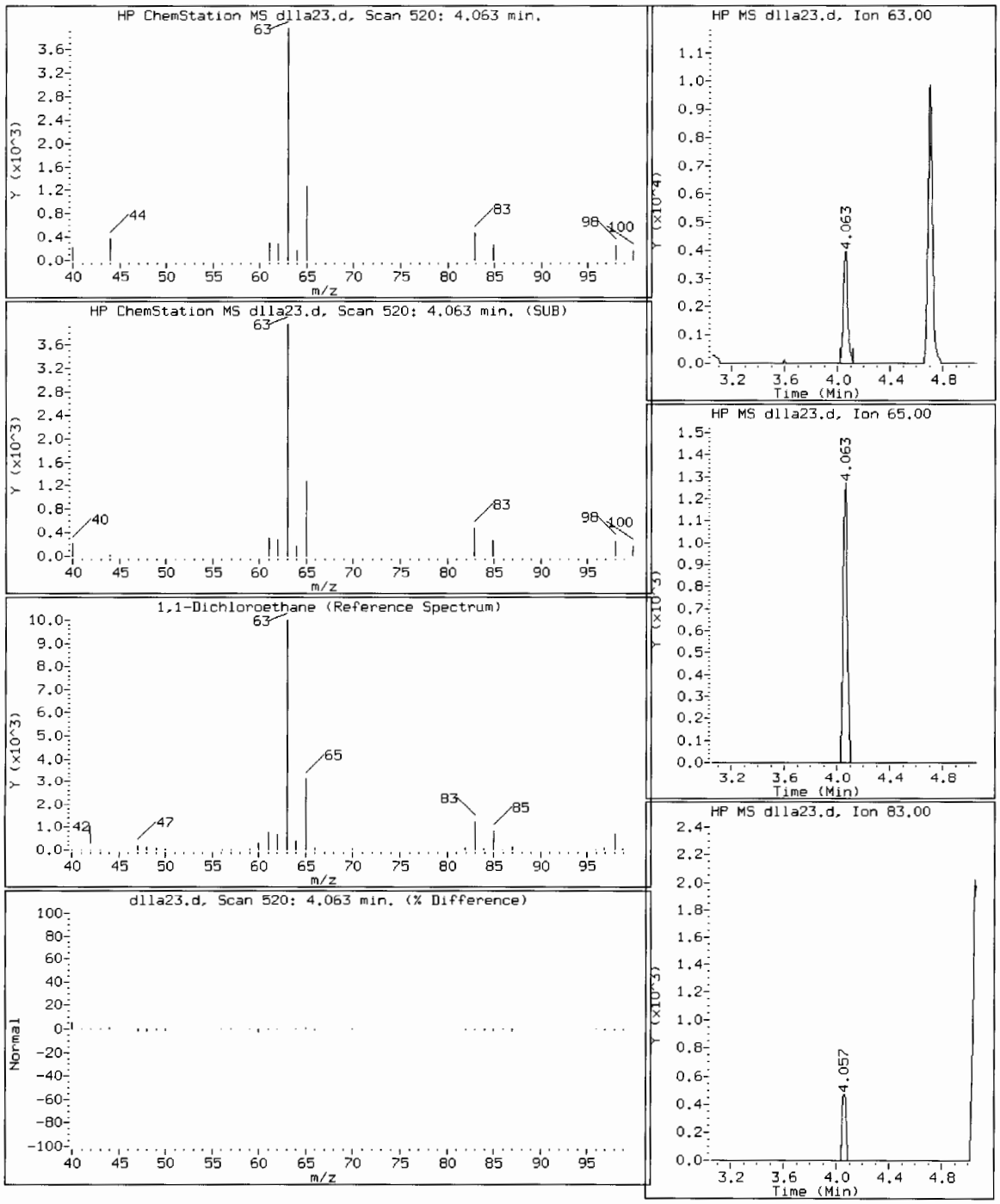
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

18 1,1-Dichloroethane



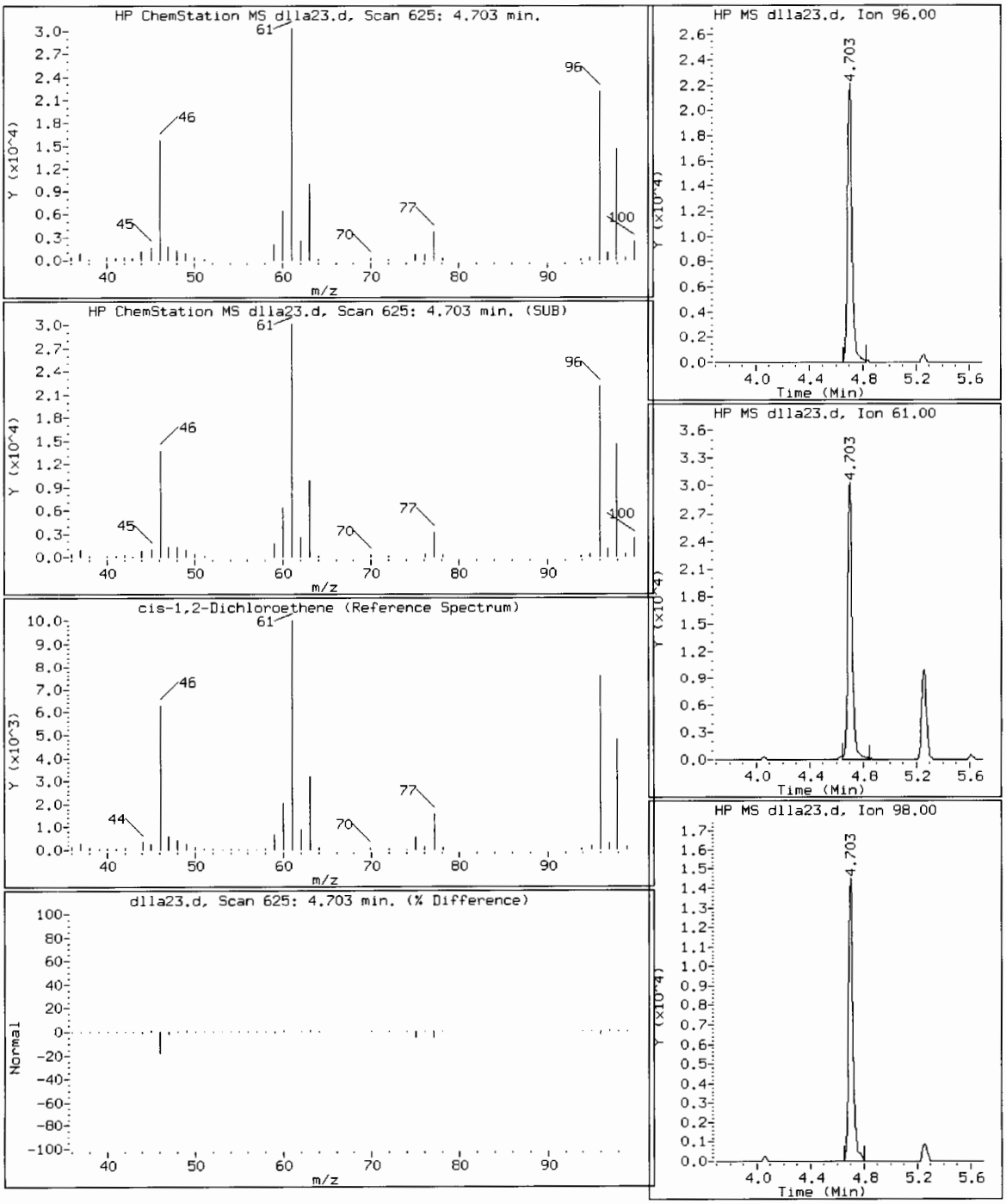
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

20 cis-1,2-Dichloroethene



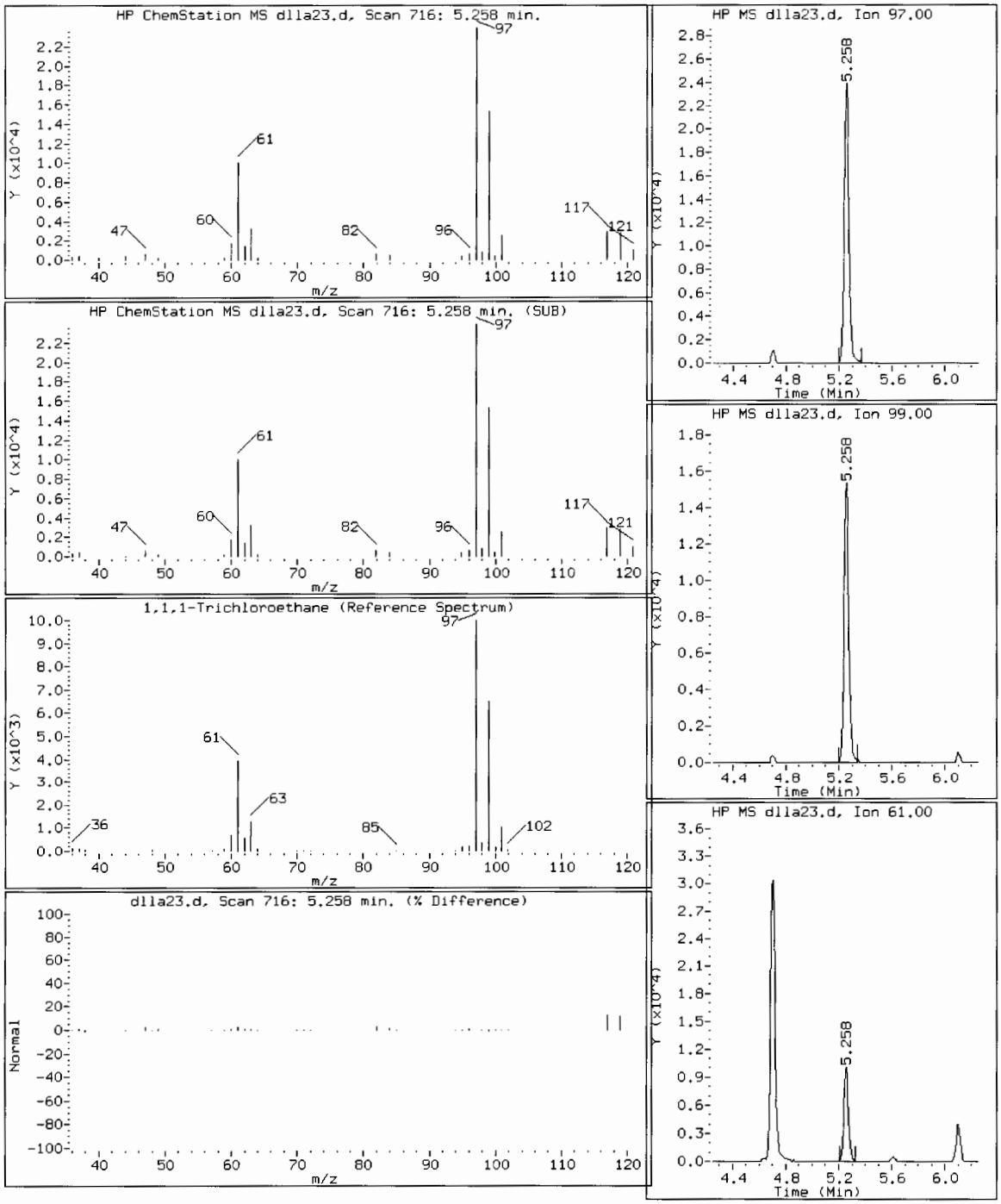
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

25 1,1,1-Trichloroethane



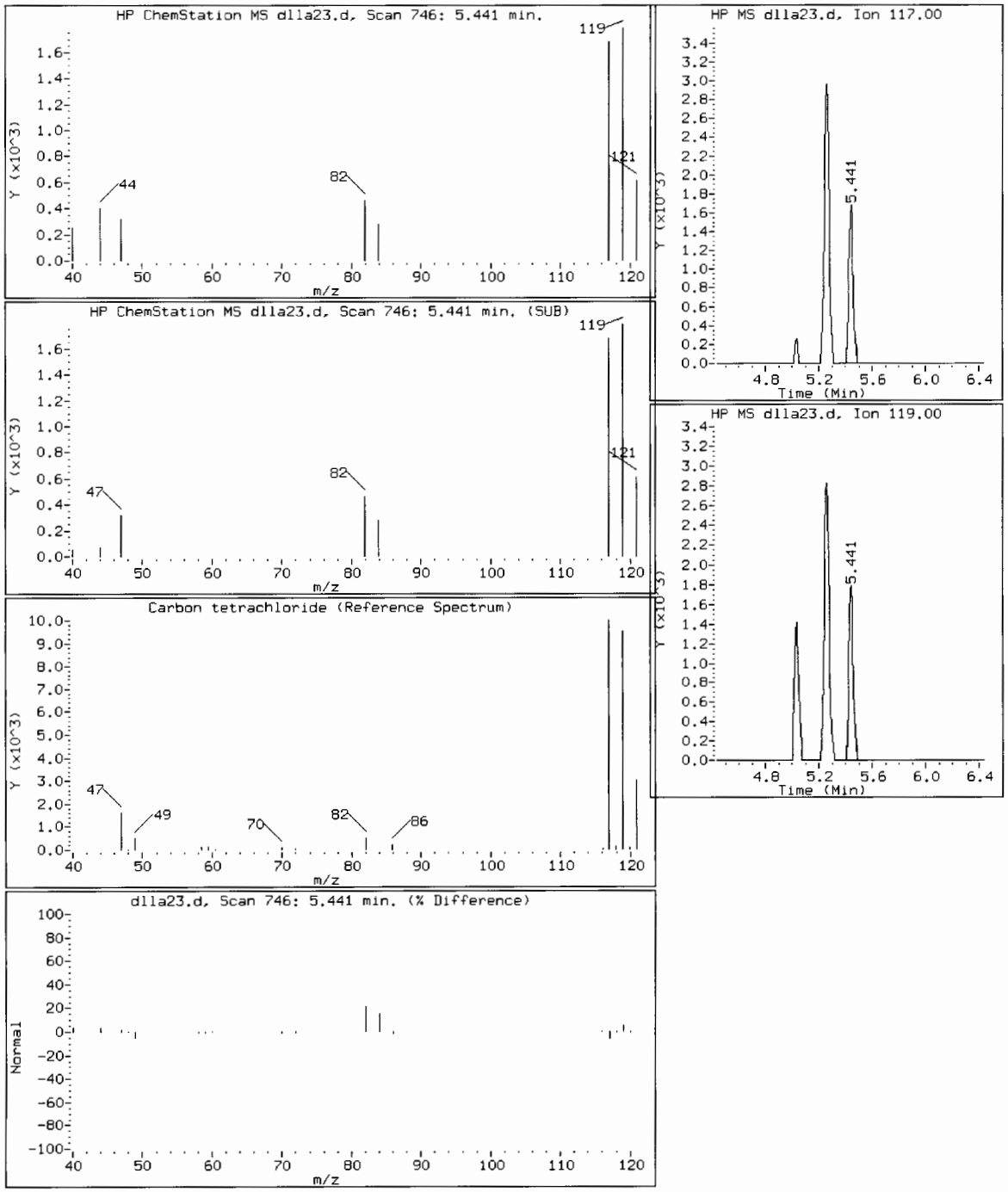
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

27 Carbon tetrachloride



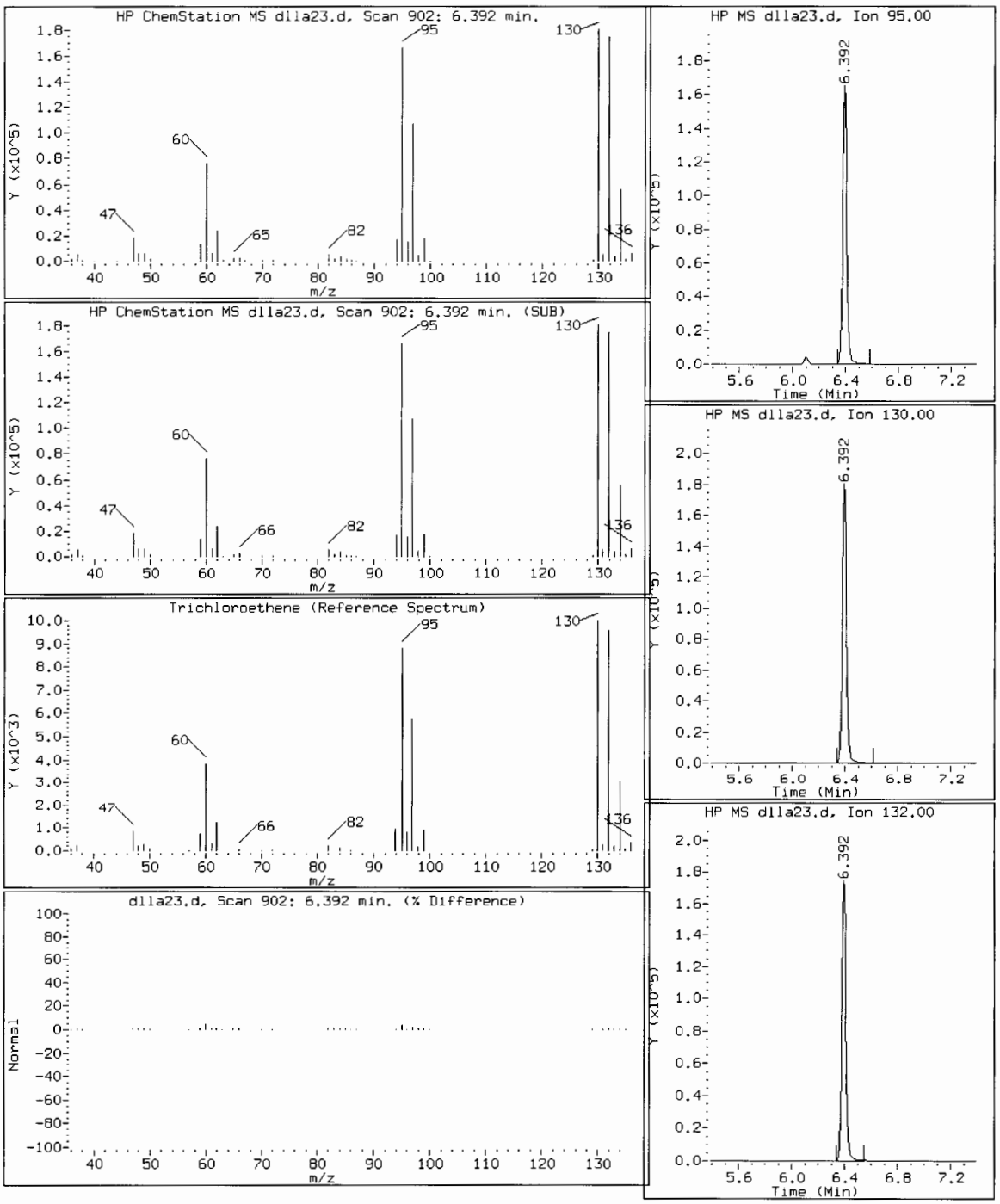
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

33 Trichloroethene



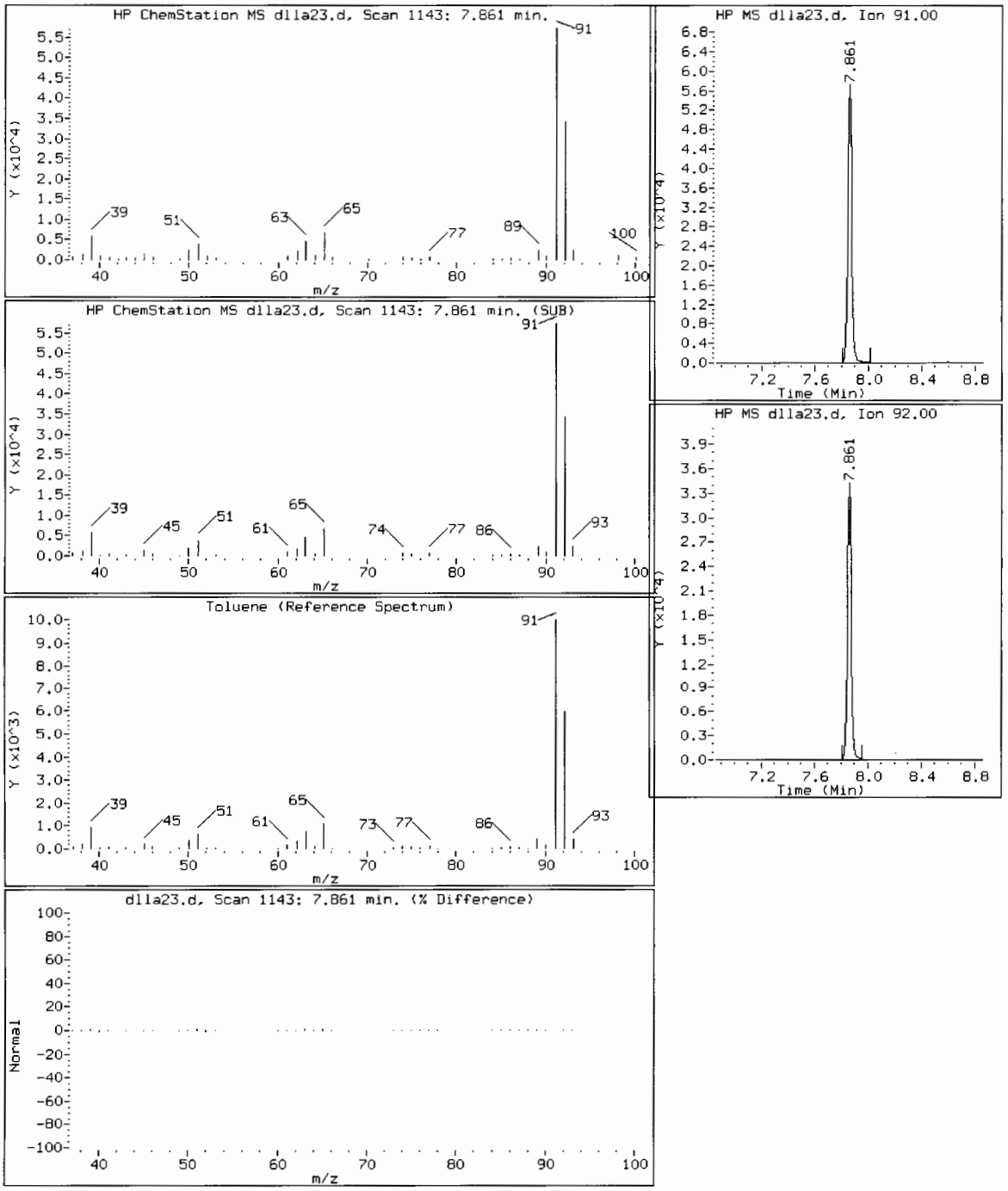
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

41 Toluene



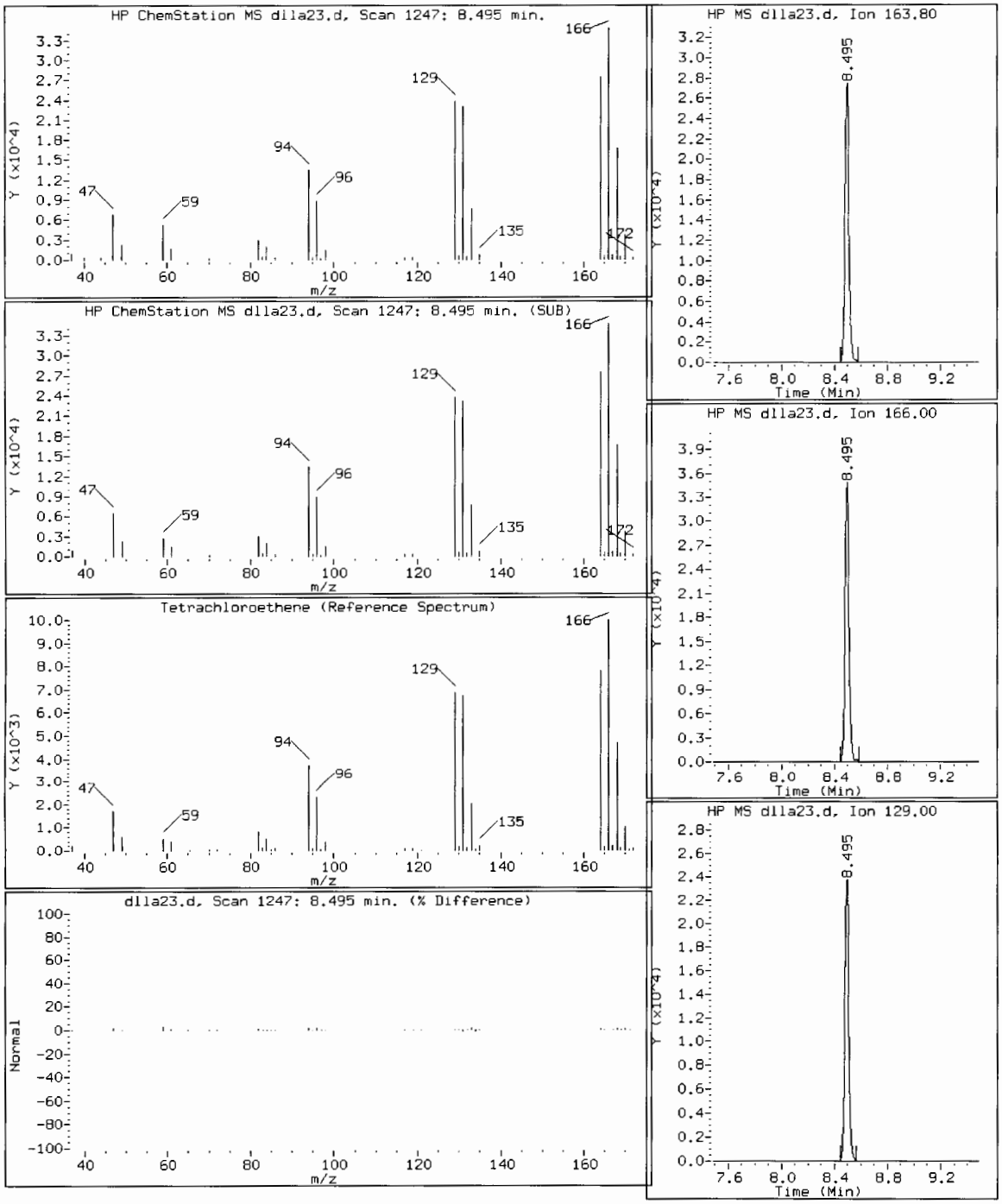
Data File: dlla23.d

Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

Client ID: MW-15D_050114 Instrument: D.i

Sample Info: 200-22155-C-13 Operator: MTP

45 Tetrachloroethene



Data File: dlla23.d

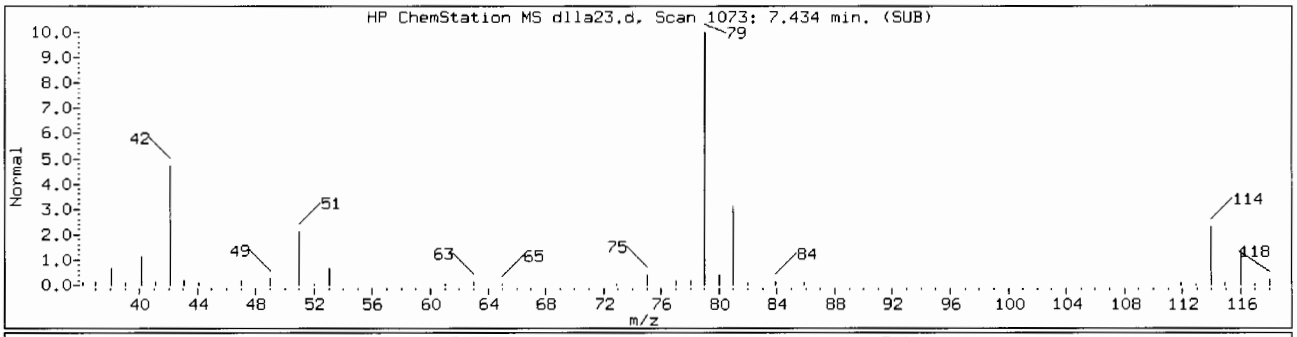
Lab Sample ID: 200-22155-13 Date: 08-MAY-2014 20:04

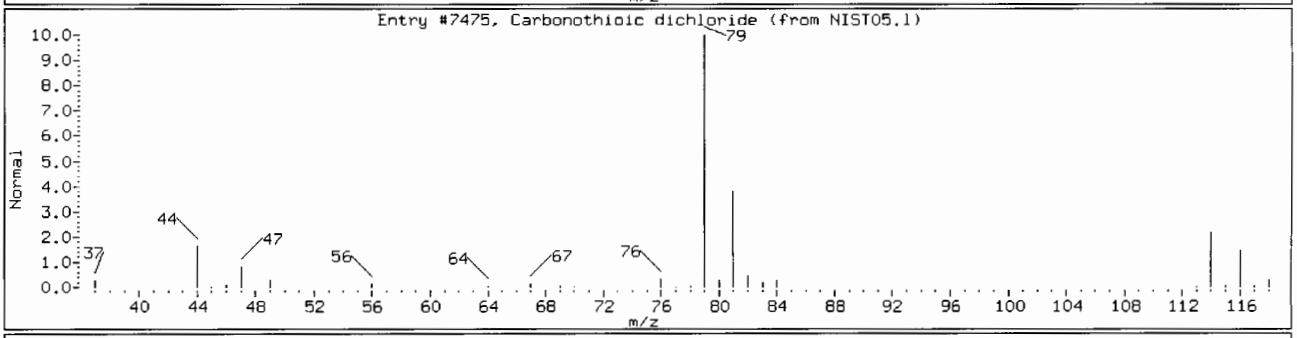
Client ID: MW-15D_050114 Instrument: D.i

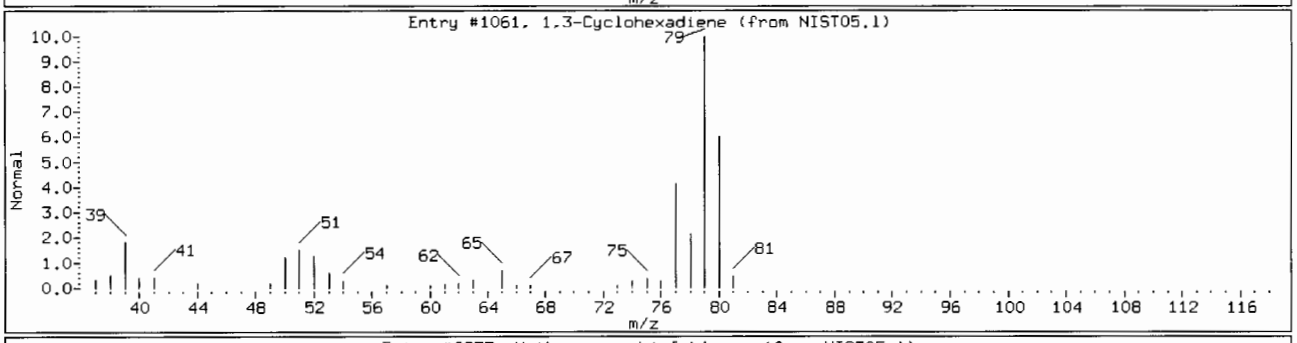
Sample Info: 200-22155-C-13 Operator: MTP

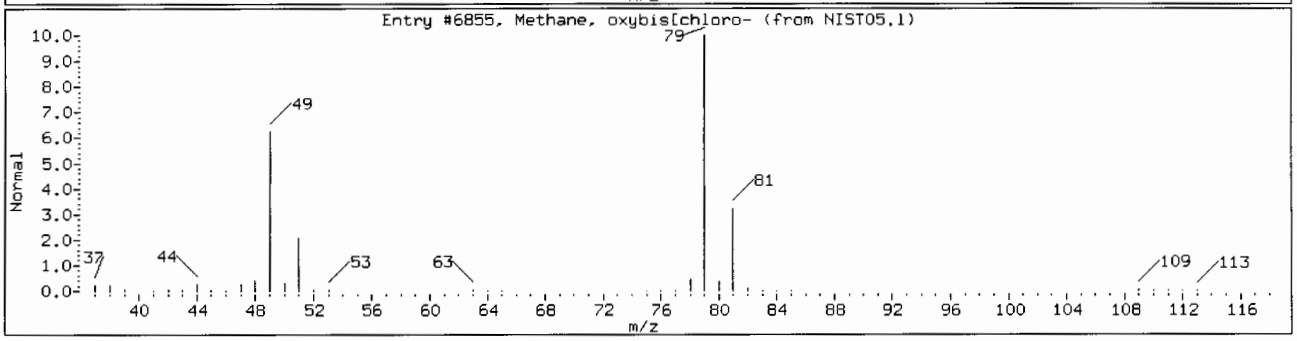
Retention Time: 7.43

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	50	CCl2S	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114









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: FB-2_050114 | Lab Sample ID: 200-22155-14

Matrix: Water | Lab File ID: dlla24.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 15:40

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:29

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	16		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	0.38	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	8.7		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	0.083	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	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: FB-2_050114
Lab Sample ID: 200-22155-14
Matrix: Water
Lab File ID: dlla24.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 15:40
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 20:29
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	0.40	J	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	104		65-131
19199-91-8	Chloroethane-d5	108		71-131
22280-73-5	1,1-Dichloroethene-d2	82		55-104
24313-50-6	2-Butanone-d5	97		49-155
865-49-6	Chloroform-d	99		78-121
17060-07-0	1,2-Dichloroethane-d4	107		78-129
1076-43-3	Benzene-d6	100		77-124
93952-08-0	1,2-Dichloropropane-d6	86		79-124
2037-26-5	Toluene-d8	101		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	92		73-121
4840-82-8	2-Hexanone-d5	98		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	95		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: FB-2_050114 | Lab Sample ID: 200-22155-14

Matrix: Water | Lab File ID: dlla24.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 15:40

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:29

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: 2 | TIC Result Total: 3.54

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.9	J B
	Unknown	11.17	0.64	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: FB-2_050114 Lab Sample ID: 200-22155-14

Matrix: Water Lab File ID: dlla24.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 15:40

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 20:29

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: 200-22155-14
Client Smp ID: FB-2_050114
Inj Date : 08-MAY-2014 20:29
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-14
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: 24
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)	101110	130.526	5.2
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.137	2.131	(0.350)	79179	135.025	5.4
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	162161	101.928	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	2.923	2.972	(0.479)	22227	391.510	16
	13 Carbon disulfide	76	Compound Not Detected.					
	14 Methyl acetate	43	Compound Not Detected.					
	15 Methylene chloride	84	3.325	3.325	(0.545)	5806	9.58100	0.38(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	(0.767)	106169	1208.41	48
	20 cis-1,2-Dichloroethene	96	Compound Not Detected.					
	21 2-Butanone	43	4.746	4.764	(0.778)	18975	217.996	8.7
	22 Bromochloromethane	128	Compound Not Detected.					
$	23 Chloroform-d	84	5.032	5.026	(0.825)	166546	124.168	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	5.612	5.612	(0.920)	63574	134.010	5.4
$	29 Benzene-d6	84	5.630	5.630	(0.594)	392401	125.223	5.0
	30 Benzene	78	5.673	5.673	(0.599)	3734	1.15733	0.046(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.099	6.099	(1.000)	336278	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	94837	108.109	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)	391521	126.185	5.0
	41 Toluene	91	7.861	7.861	(0.830)	7278	2.06939	0.083(a)
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	73873	115.214	4.6
	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)	89379	1227.35	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)	268193	125.000	
	51 Chlorobenzene	112	Compound Not Detected.					
	52 Ethylbenzene	91	9.641	9.641	(1.017)	42904	9.97452	0.40(a)
	53 m,p-Xylene	106	9.788	9.782	(1.033)	1925	1.12689	0.045(aQ)
	55 o-Xylene	106	Compound Not Detected.					
	54 Styrene	104	Compound Not Detected.					
	56 Bromoform	172	Compound Not Detected.					
	57 Isopropylbenzene	105	10.708	10.708	(1.130)	4863	1.05193	0.042(aM)
$	58 1,1,2,2-Tetrachloroethane-d2	84	11.056	11.050	(1.167)	35926	118.947	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)	130409	125.000	
	62 1,4-Dichlorobenzene	146	Compound Not Detected.					
$	63 1,2-Dichlorobenzene-d4	152	12.720	12.720	(1.035)	112739	120.764	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.
M - Compound response manually integrated.

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-14
Client Smp ID: FB-2_050114
Inj Date : 08-MAY-2014 20:29
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-B-14
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: 24
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

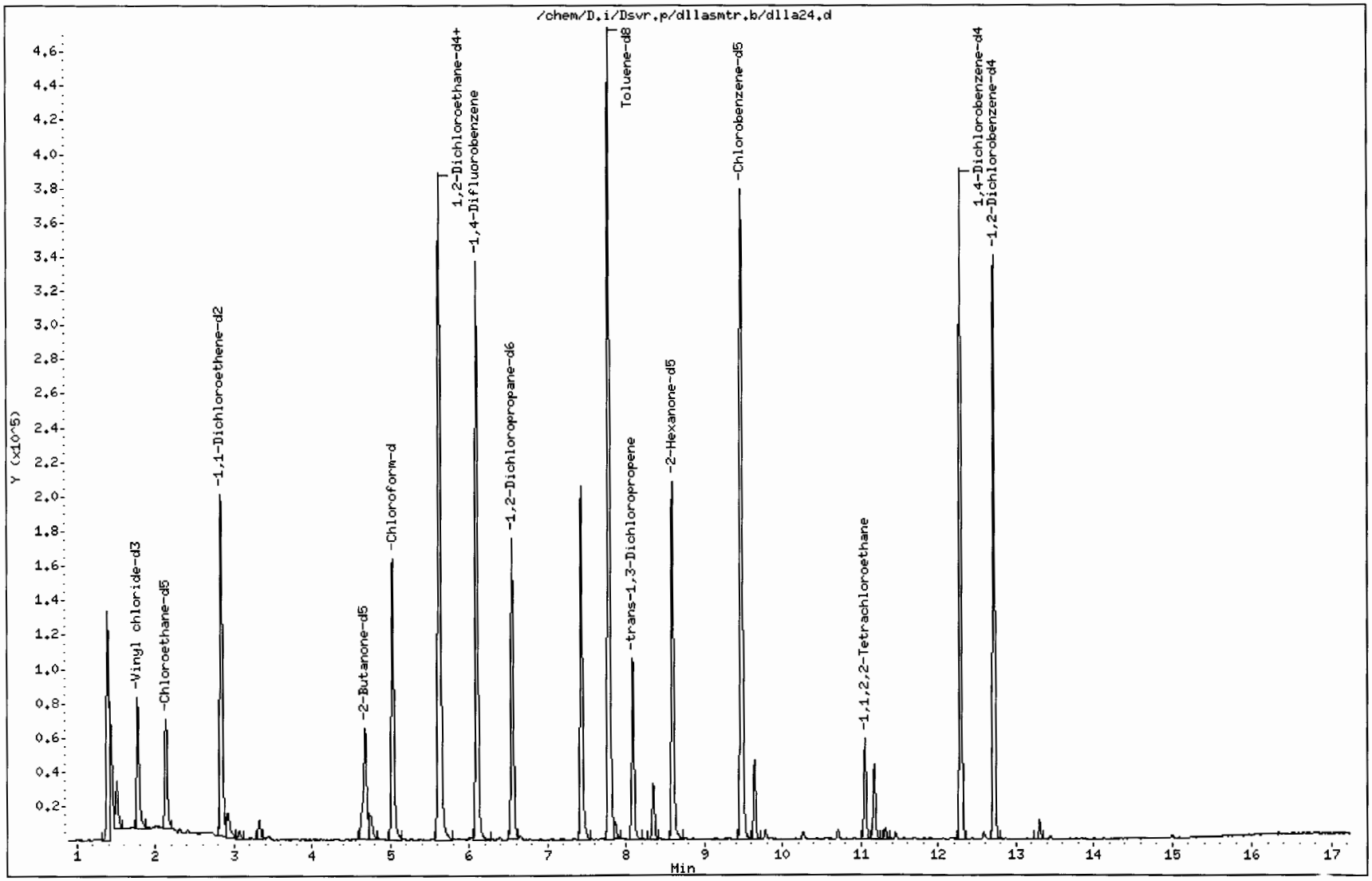
ISTD	RT	AREA	AMOUNT
* 32 1,4-Difluorobenzene	6.099	745422	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	744267	125.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	438533	73.5376654	2.9	0		0	32
Unknown				CAS #:			
11.172	95051	15.9638170	0.64	0		0	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla24.d
Date : 08-MAY-2014 20:29
Client ID: FB-2_050114
Sample Info: 200-22155-B-14
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



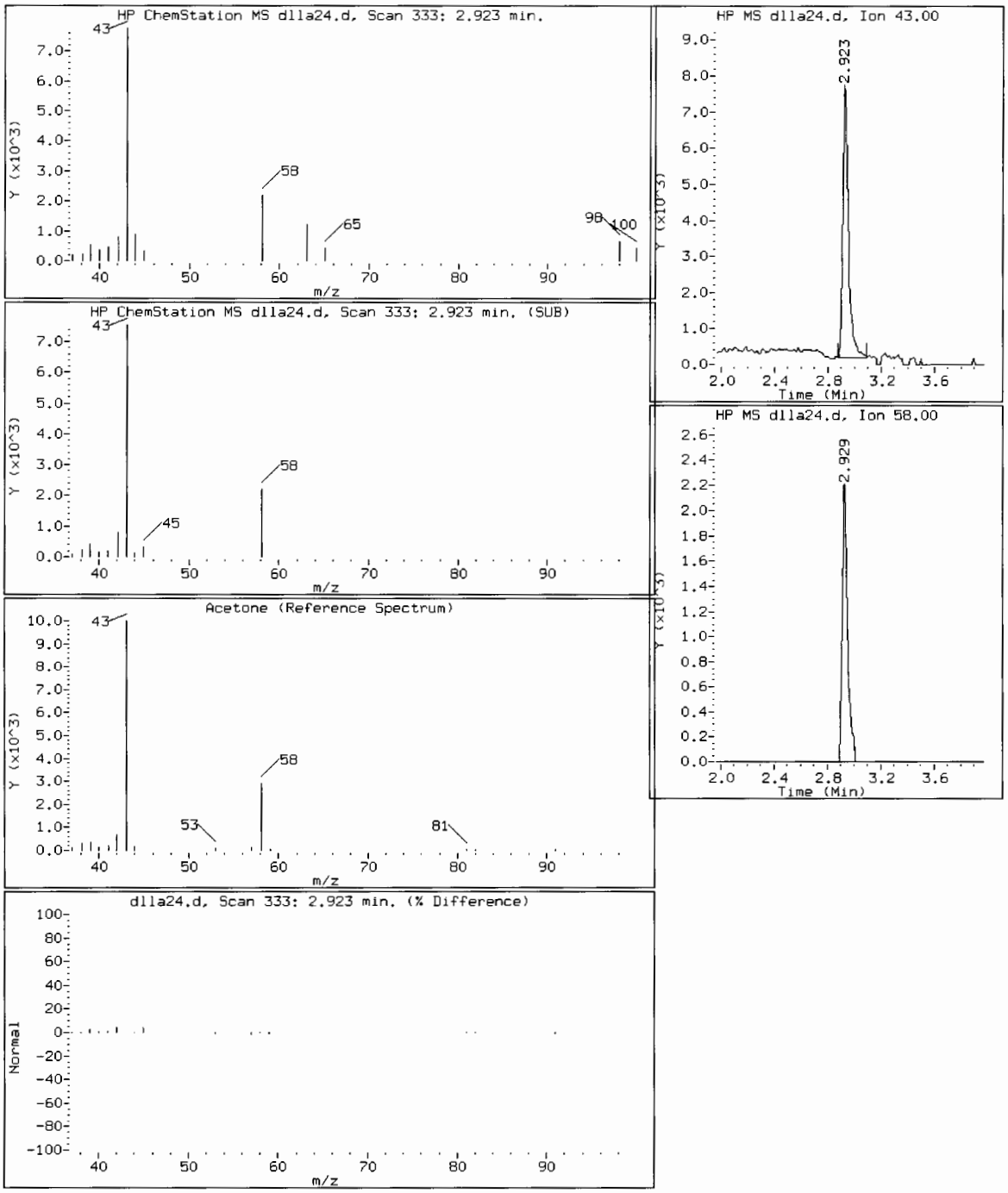
Data File: dlla24.d

Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29

Client ID: FB-2_050114 Instrument: D.i

Sample Info: 200-22155-B-14 Operator: MTP

12 Acetone



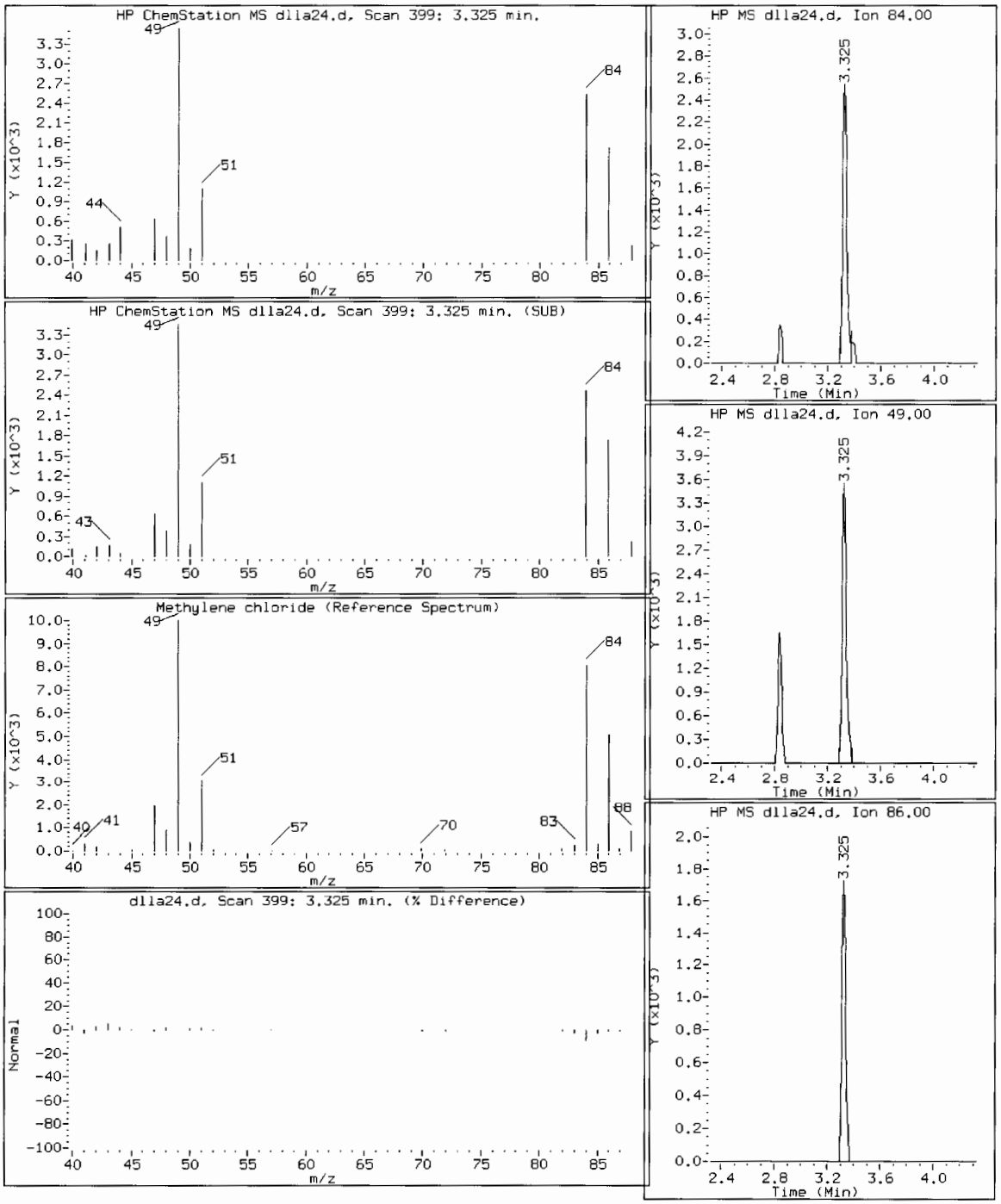
Data File: dlla24.d

Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29

Client ID: FB-2_050114 Instrument: D.i

Sample Info: 200-22155-B-14 Operator: MTP

15 Methylene chloride



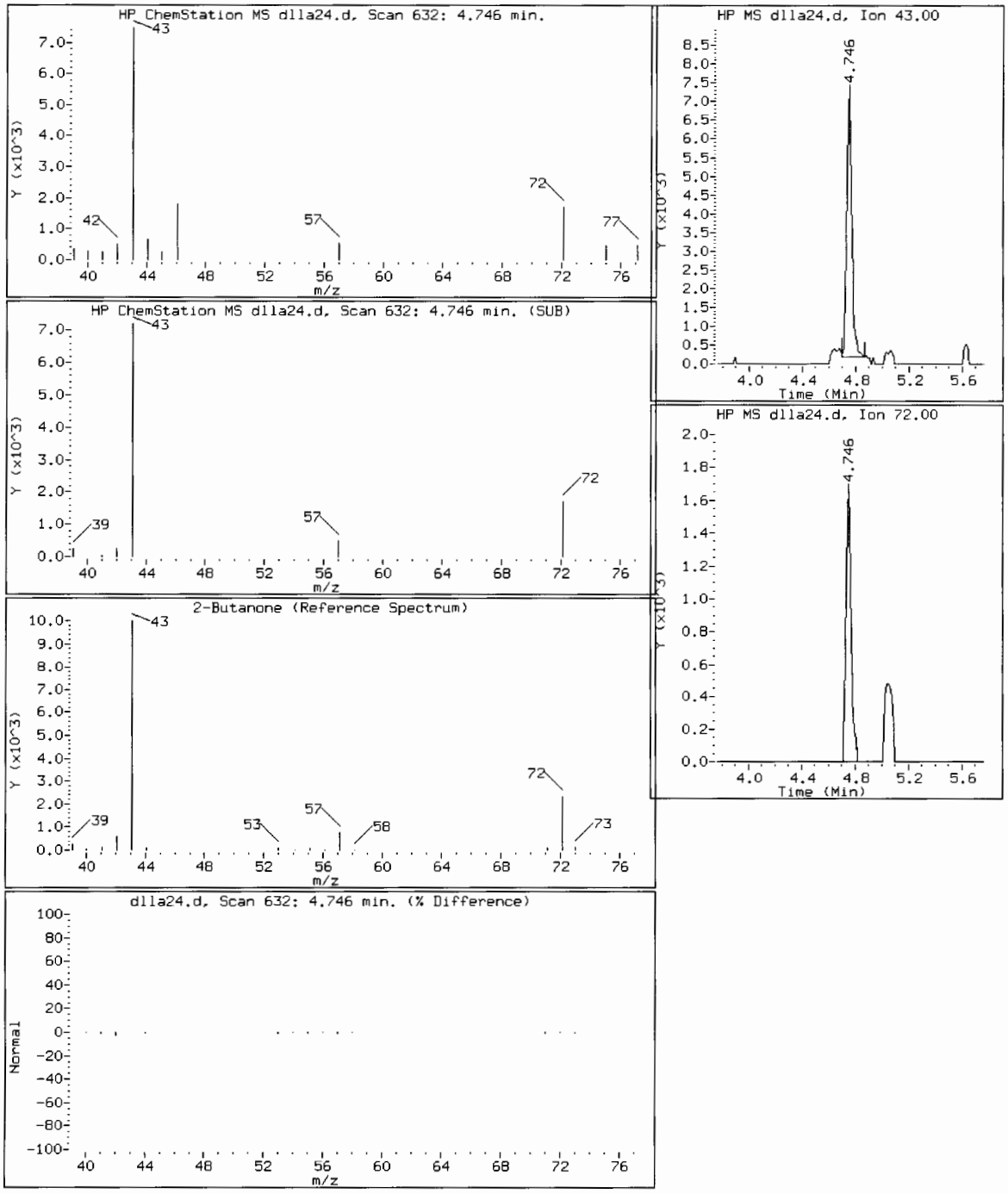
Data File: dlla24.d

Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29

Client ID: FB-2_050114 Instrument: D.i

Sample Info: 200-22155-B-14 Operator: MTP

21 2-Butanone



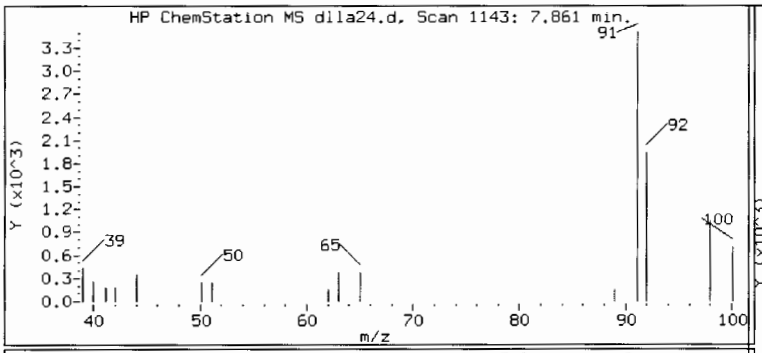
Data File: dlla24.d

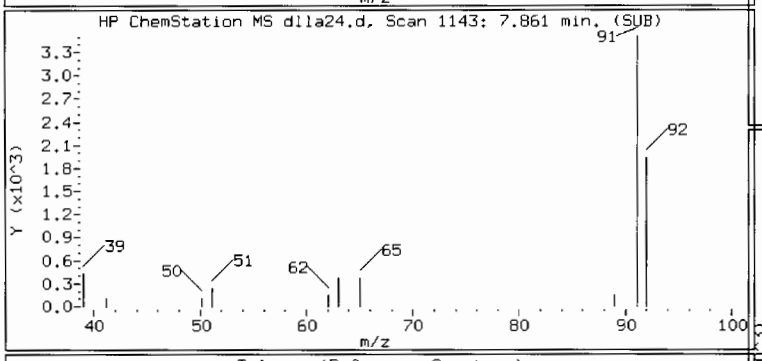
Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29

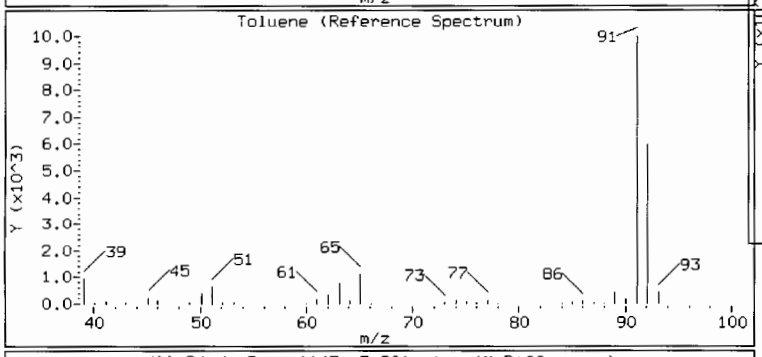
Client ID: FB-2_050114 Instrument: D.i

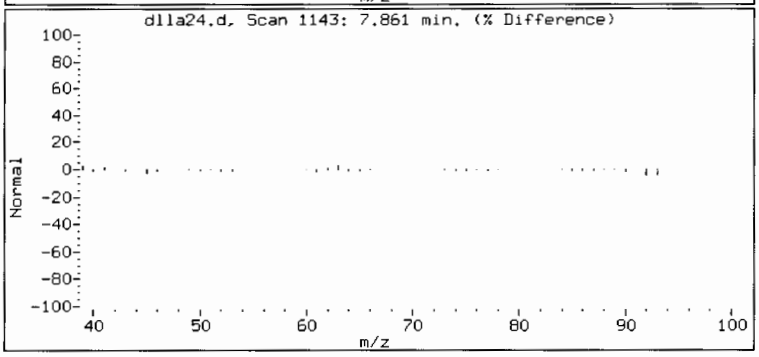
Sample Info: 200-22155-B-14 Operator: MTP

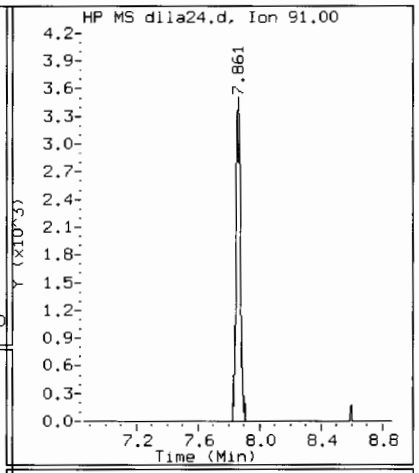
41 Toluene

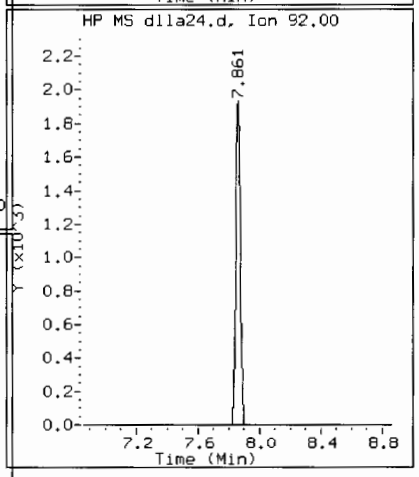












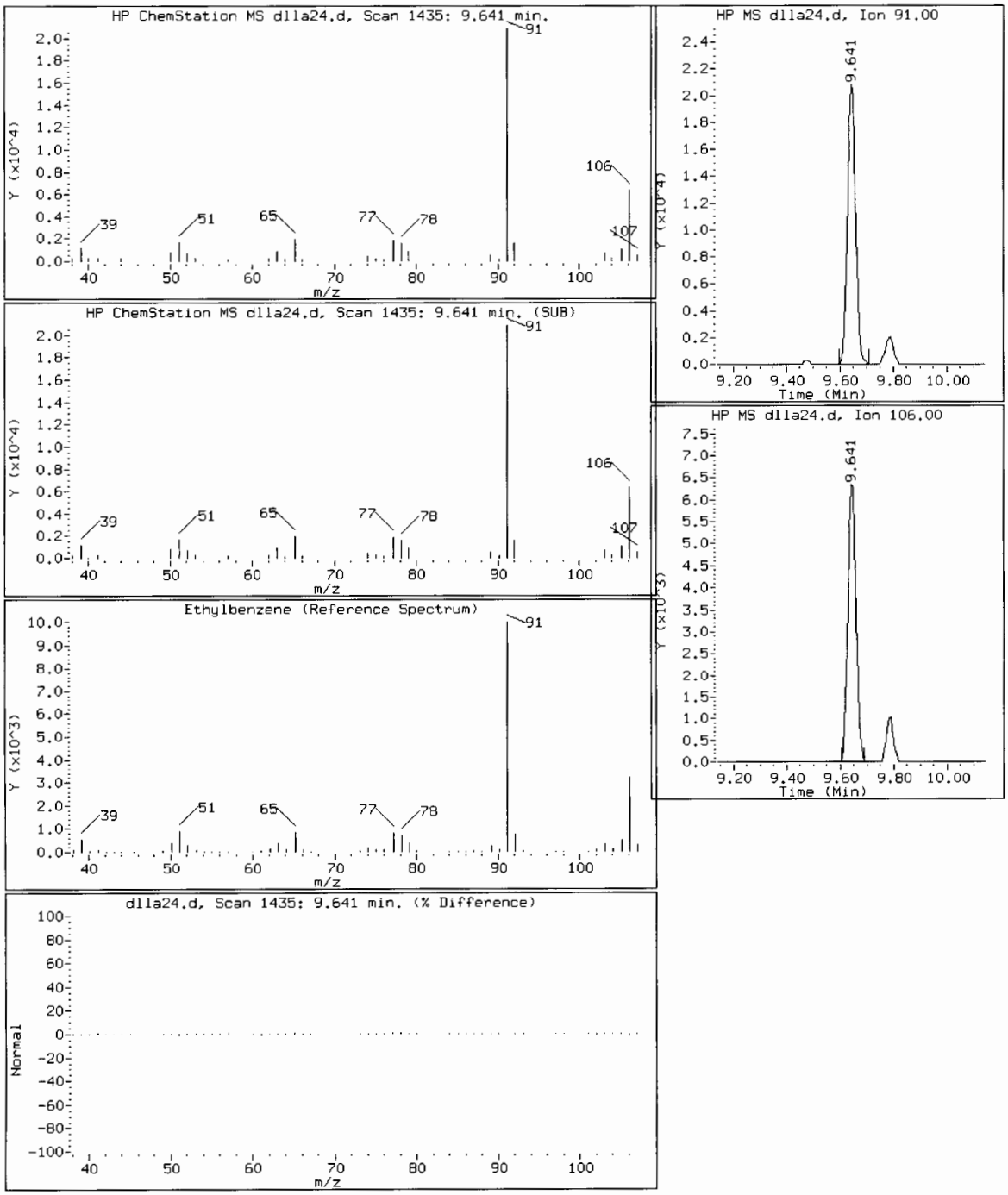
Data File: dlla24.d

Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29

Client ID: FB-2_050114 Instrument: D.i

Sample Info: 200-22155-B-14 Operator: MTP

52 Ethylbenzene



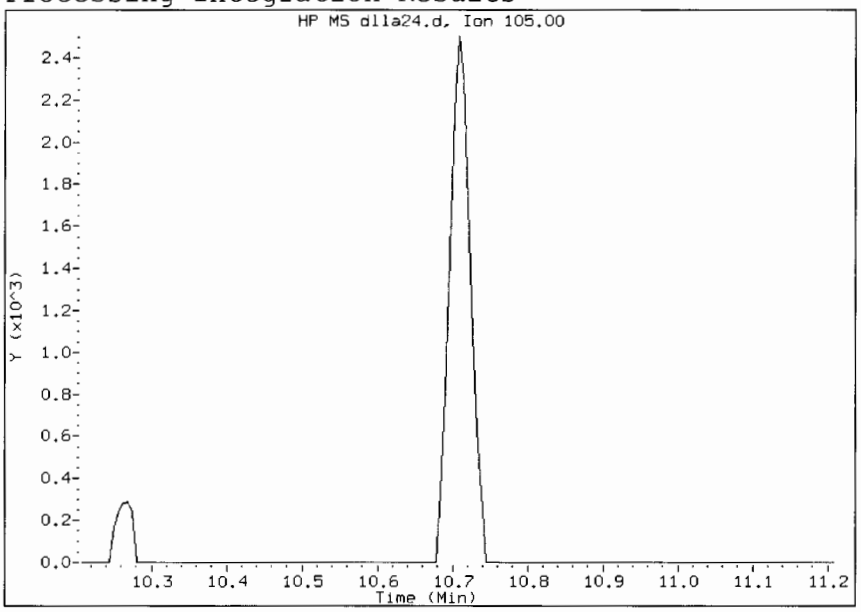
Manual Integration Report

Data File: dlla24.d
Lab Sample ID: 200-22155-14
Inj. Date and Time: 08-MAY-2014 20:29
Instrument ID: D.i
Client ID: FB-2_050114
Compound: 57 Isopropylbenzene
CAS #: 98-82-8
Report Date: 05/09/2014

Processing Integration Results

Not Detected

Expected RT: 10.71



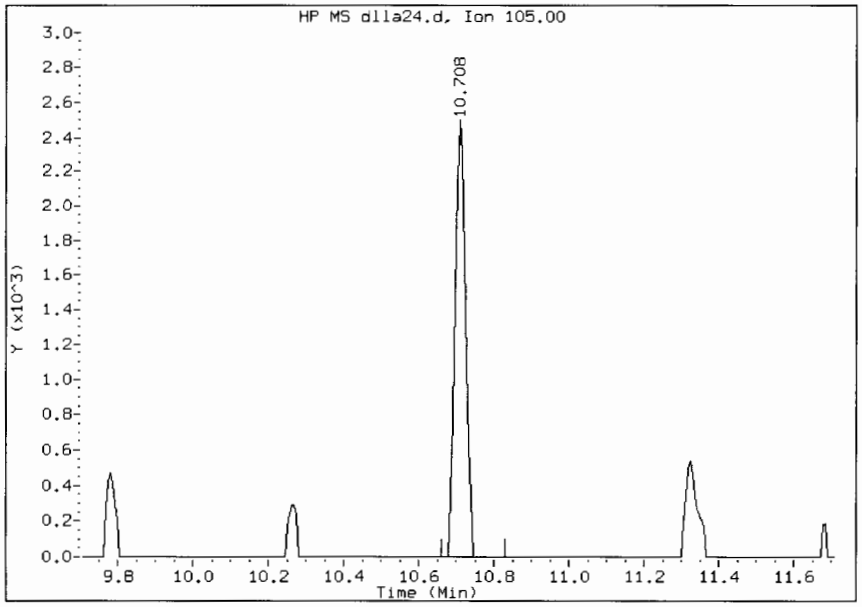
Manual Integration Results

RT: 10.71

Response: 4863

Amount: 1.05

Conc: 0.042077

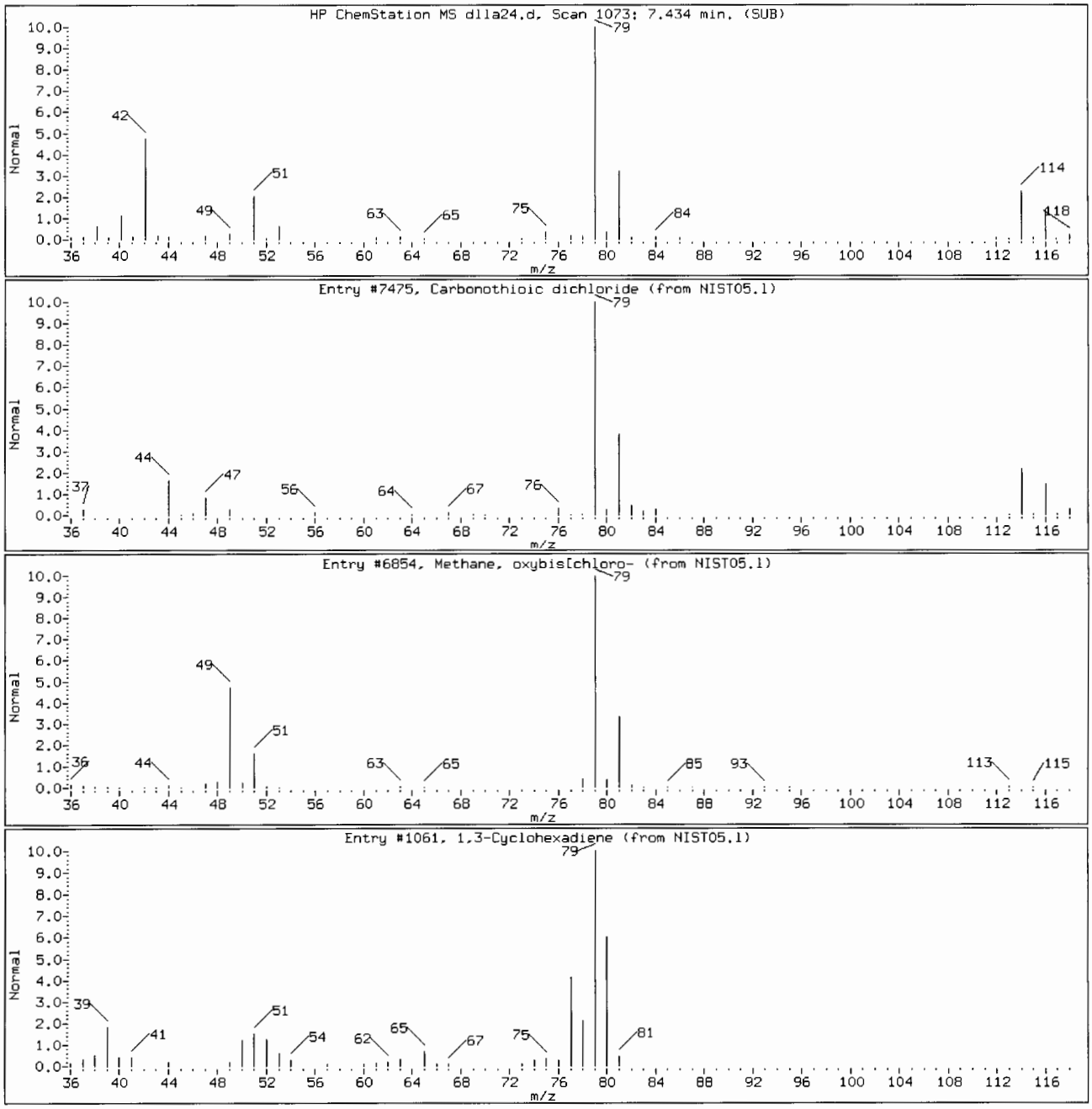


File Uploaded By: wilburj
Manual Integration Reason: Analyte not identified by the data system

Data File: d11a24.d
Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29
Client ID: FB-2_050114 Instrument: D.i
Sample Info: 200-22155-B-14 Operator: MTP

Retention Time: 7.43

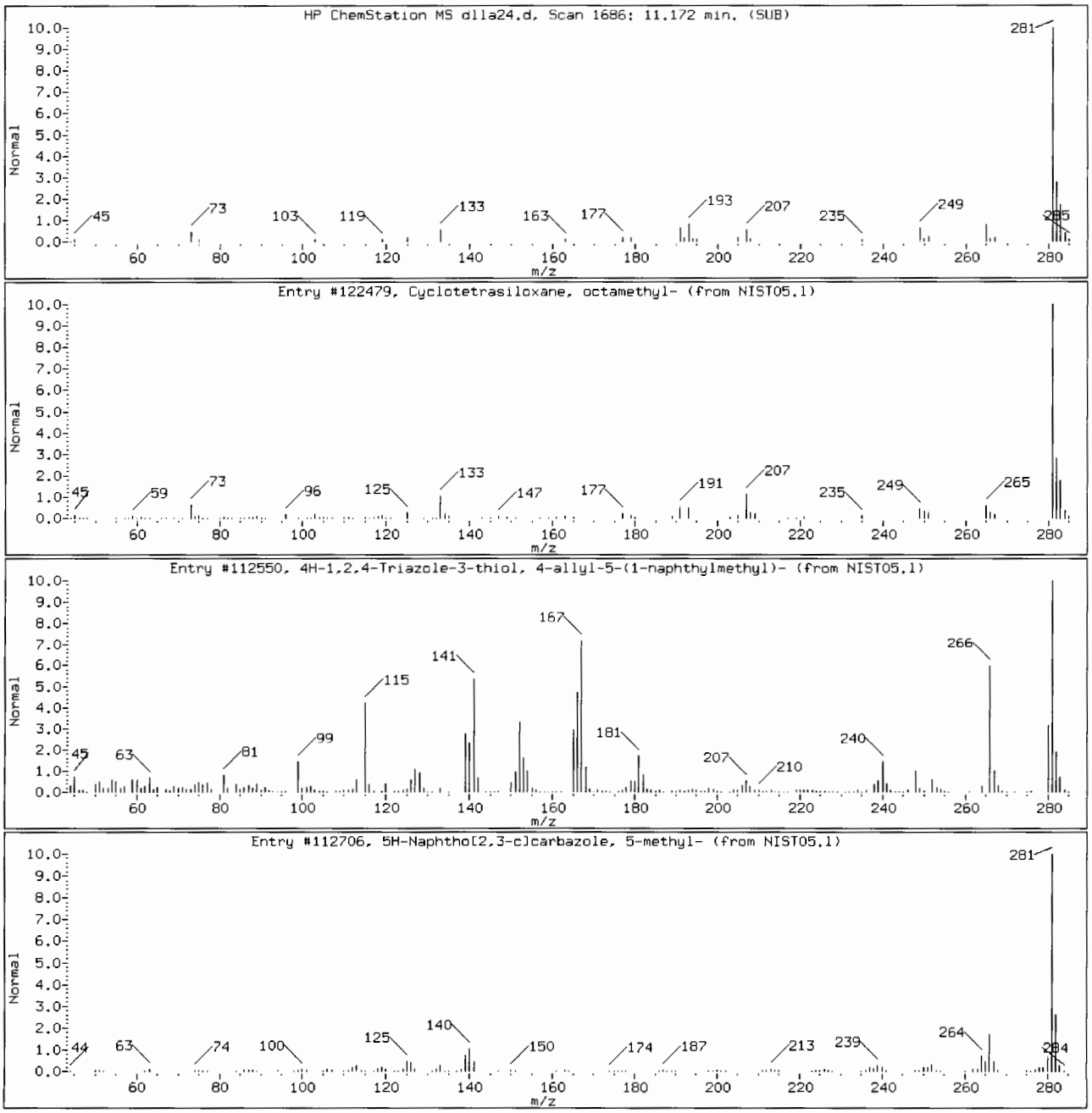
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6854	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: dlla24.d
Lab Sample ID: 200-22155-14 Date: 08-MAY-2014 20:29
Client ID: FB-2_050114 Instrument: D.i
Sample Info: 200-22155-B-14 Operator: MTP

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: TRIP BLANK | Lab Sample ID: 200-22155-15

Matrix: Water | Lab File ID: dlla25.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 00:00

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:54

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	3.3	J	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	0.50	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: TRIP BLANK | Lab Sample ID: 200-22155-15

Matrix: Water | Lab File ID: dlla25.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 00:00

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:54

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	105		65-131
19199-91-8	Chloroethane-d5	110		71-131
22280-73-5	1,1-Dichloroethene-d2	81		55-104
24313-50-6	2-Butanone-d5	98		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	103		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	94		73-121
4840-82-8	2-Hexanone-d5	99		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	95		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: TRIP BLANK | Lab Sample ID: 200-22155-15

Matrix: Water | Lab File ID: dlla25.d

Analysis Method: SOM01.2/VOA_Tr | Date Collected: 05/01/2014 00:00

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 20:54

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: 4.29

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	3.0	B J
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.58	J N
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.71	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: TRIP BLANK Lab Sample ID: 200-22155-15

Matrix: Water Lab File ID: dlla25.d

Analysis Method: SOM01.2/VOA_Tr Date Collected: 05/01/2014 00:00

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 20:54

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: 200-22155-15
Client Smp ID: TRIP BLANK
Inj Date : 08-MAY-2014 20:54
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-A-15
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 11:22 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 25
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)	101527	130.822	5.2
	4 Vinyl chloride	62	Compound Not Detected.					
	5 Bromomethane	94	Compound Not Detected.					
$	6 Chloroethane-d5	69	2.136	2.131	(0.350)	80924	137.746	5.5
	7 Chloroethane	64	Compound Not Detected.					
	8 Trichlorofluoromethane	101	Compound Not Detected.					
$	9 1,1-Dichloroethene-d2	63	2.838	2.838	(0.465)	161413	101.270	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	2.929	2.972	(0.480)	4648	81.7195	3.3(a)
	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	Compound Not Detected.					
$	19 2-Butanone-d5	46	4.679	4.703	(0.766)	108021	1227.22	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)	168414	125.329	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)	65988	138.841	5.6
$	29 Benzene-d6	84	5.630	5.630	(0.594)	398388	128.394	5.1
	30 Benzene	78	5.672	5.673	(0.599)	1791	0.56061	0.022(a)
	31 1,2-Dichloroethane	62	Compound Not Detected.					
*	32 1,4-Difluorobenzene	114	6.105	6.099	(1.000)	336900	125.000	
	33 Trichloroethene	95	Compound Not Detected.					
$	34 1,2-Dichloropropane-d6	67	6.550	6.550	(0.691)	96765	111.400	4.5
	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)	392594	127.785	5.1
	41 Toluene	91	Compound Not Detected.					
$	42 trans-1,3-Dichloropropene-d4	79	8.087	8.087	(0.853)	74483	117.317	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)	89384	1239.58	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)	265561	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)	35605	119.052	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)	129797	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)	111400	119.893	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).

TestAmerica Burlington

LOW CONCENTRATION VOLATILE QUANTITATION REPORT

Lab Sample Id: 200-22155-15
Client Smp ID: TRIP BLANK
Inj Date : 08-MAY-2014 20:54
Operator : MTP Inst ID: D.i
Smp Info : 200-22155-A-15
Misc Info : 1,5
Comment :
Method : /chem/D.i/Dsvr.p/dllasmtr.b/somtr5t.m
Meth Date : 09-May-2014 11:22 wilburj Quant Type: ISTD
Cal Date : 08-MAY-2014 10:19 Cal File: dll07.d
Als bottle: 25
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	744754	125.000
* 50 Chlorobenzene-d5	9.476	779871	125.000
* 61 1,4-Dichlorobenzene-d4	12.293	734901	125.000

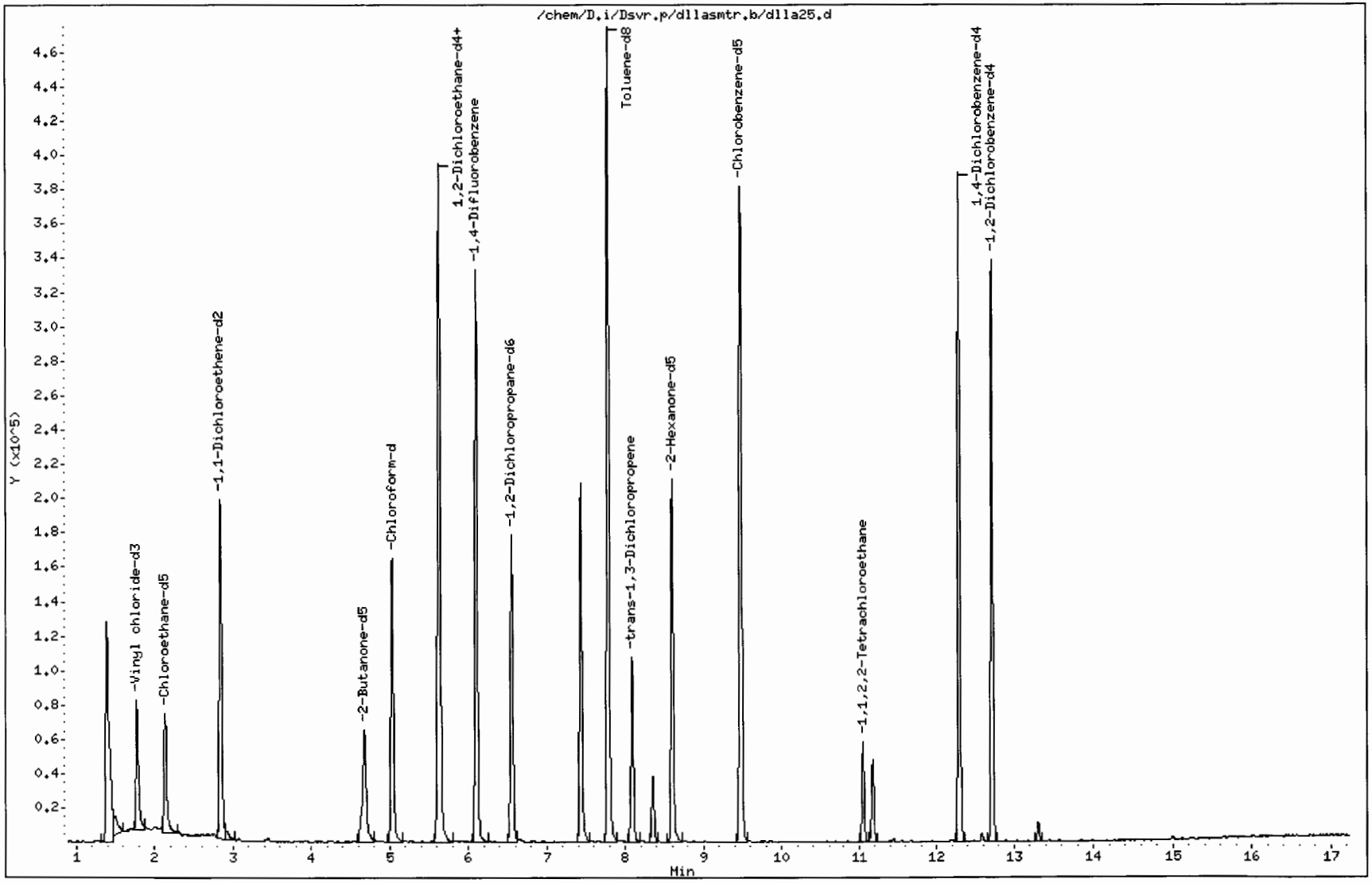
		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ng)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
7.434	441900	74.1687761	3.0	0		0	32

RT	AREA	CONCENTRATIONS ON-COL(ng)	FINAL(ug/L)	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.349	90461	14.4993719	0.58	90	NIST05.1	73123	50
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
11.171	104074	17.7020966	0.71	91	NIST05.1	122480	61

Data File: /chem/D.i/Dsvr.p/dllasmtr.b/dlla25.d
Date : 08-MAY-2014 20:54
Client ID: TRIP BLANK
Sample Info: 200-22155-A-15
Purge Volume: 25.0
Column phase: DB-624

Instrument: D.i

Operator: MTP
Column diameter: 0.20



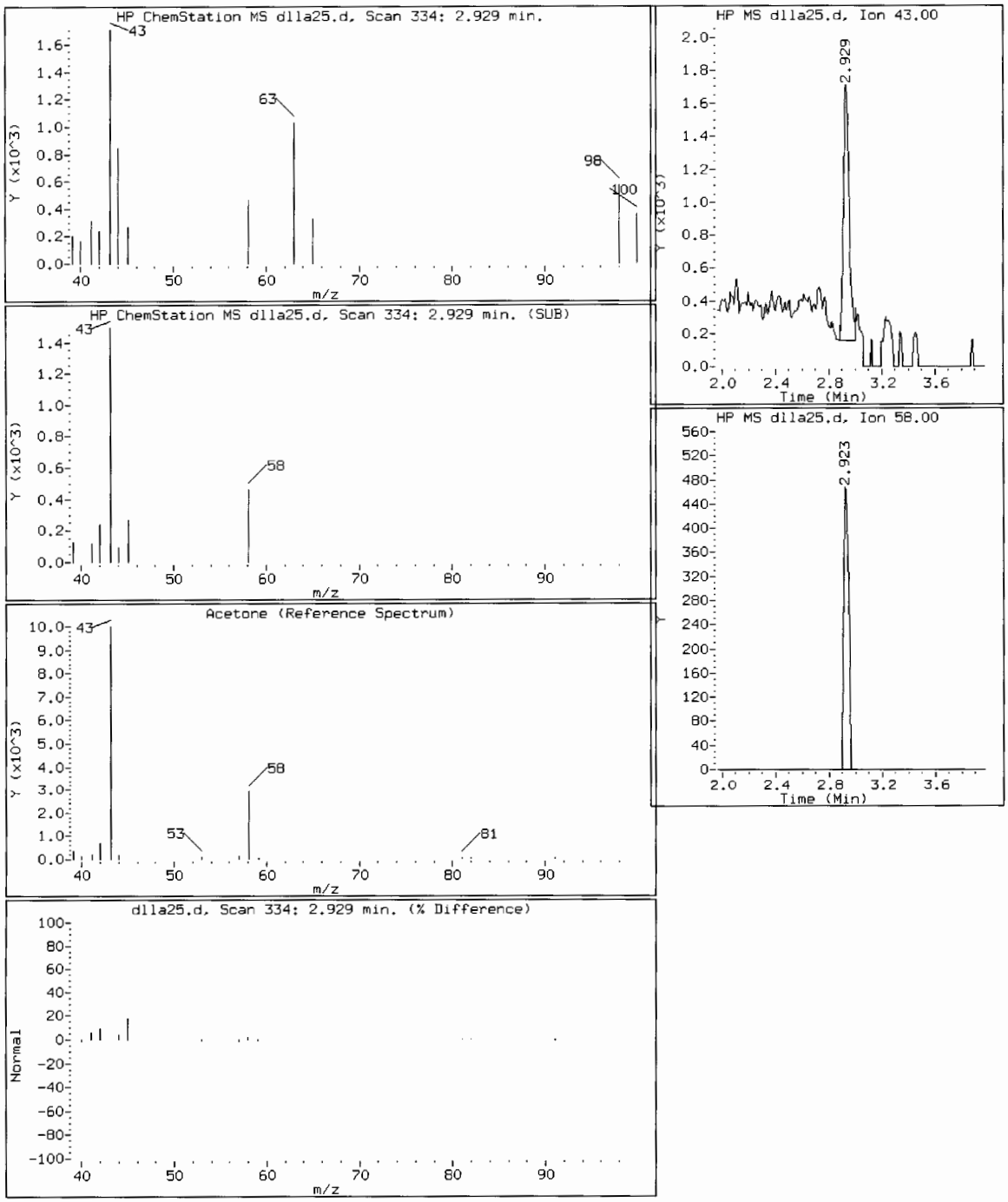
Data File: dlla25.d

Lab Sample ID: 200-22155-15 Date: 08-MAY-2014 20:54

Client ID: TRIP BLANK Instrument: D.i

Sample Info: 200-22155-A-15 Operator: MTP

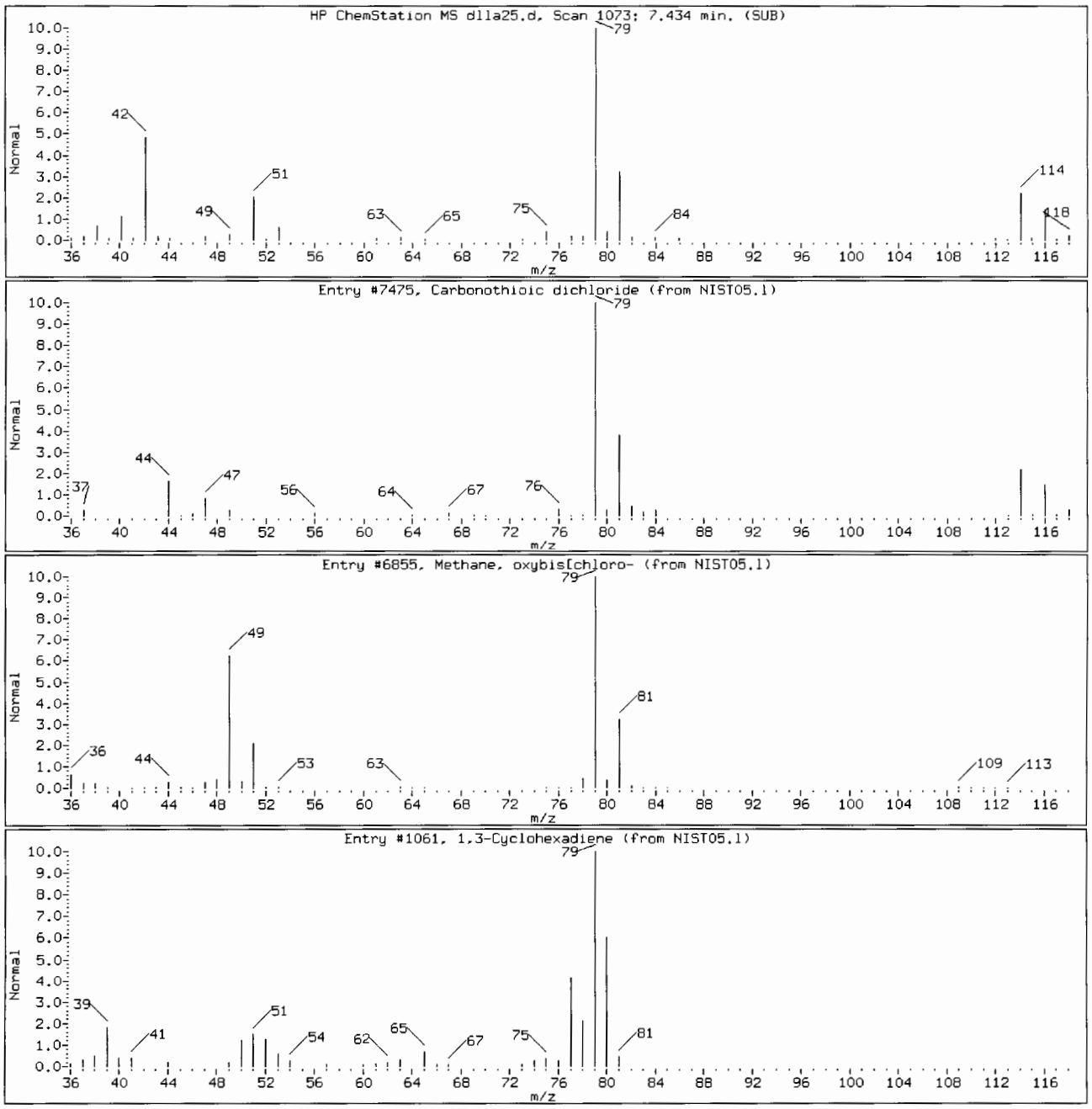
12 Acetone



Data File: d11a25.d
Lab Sample ID: 200-22155-15 Date: 08-MAY-2014 20:54
Client ID: TRIP BLANK Instrument: D.i
Sample Info: 200-22155-A-15 Operator: MTP

Retention Time: 7.43

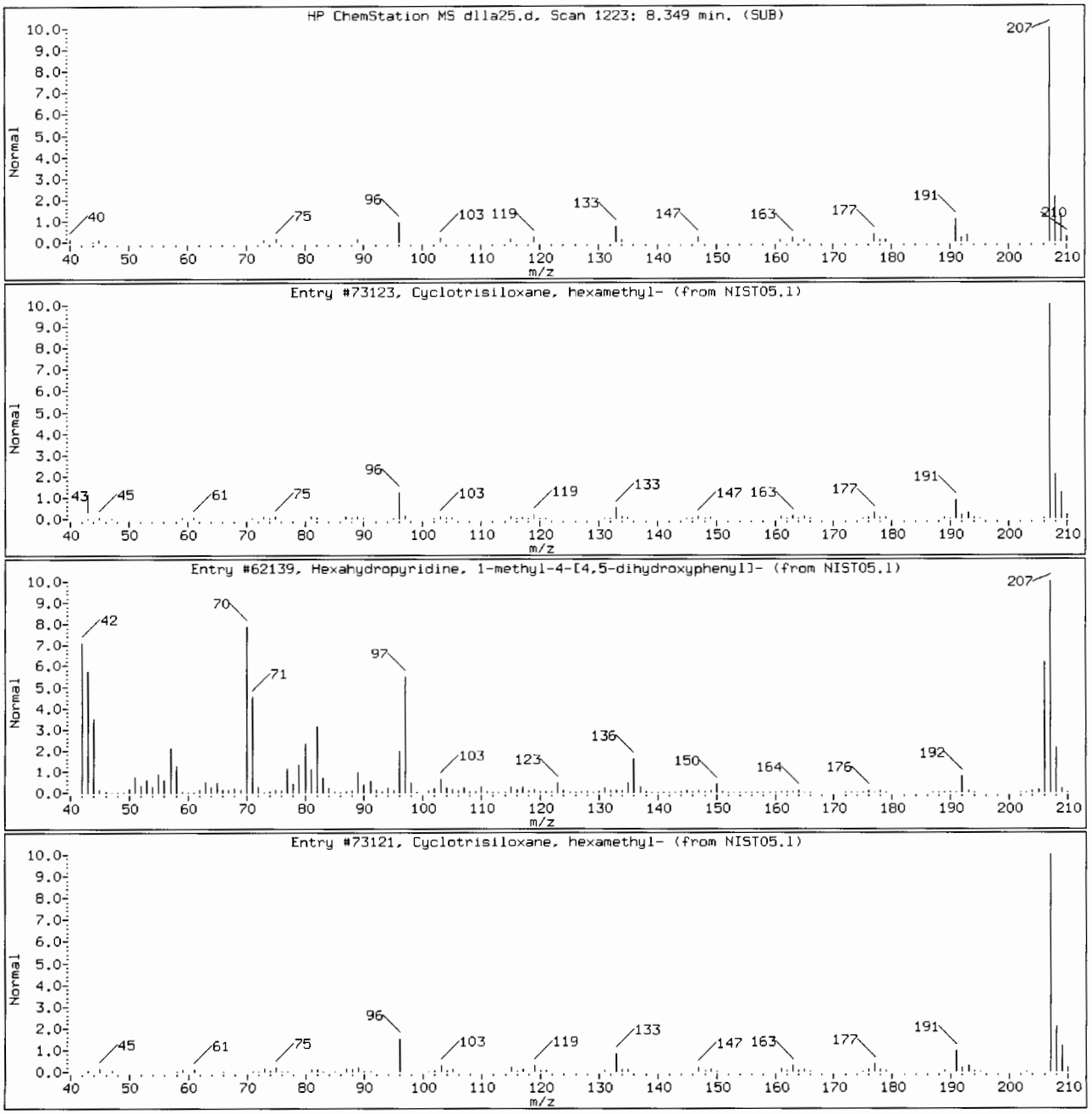
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Unknown						
Carbonothioic dichloride	463-71-8	NIST05.1	7475	52	CCl2S	114
Methane, oxybis[chloro-	542-88-1	NIST05.1	6855	25	C2H4Cl2O	114
1,3-Cyclohexadiene	592-57-4	NIST05.1	1061	25	C6H8	80



Data File: dlla25.d
Lab Sample ID: 200-22155-15 Date: 08-MAY-2014 20:54
Client ID: TRIP BLANK Instrument: D.i
Sample Info: 200-22155-A-15 Operator: MTP

Retention Time: 8.35

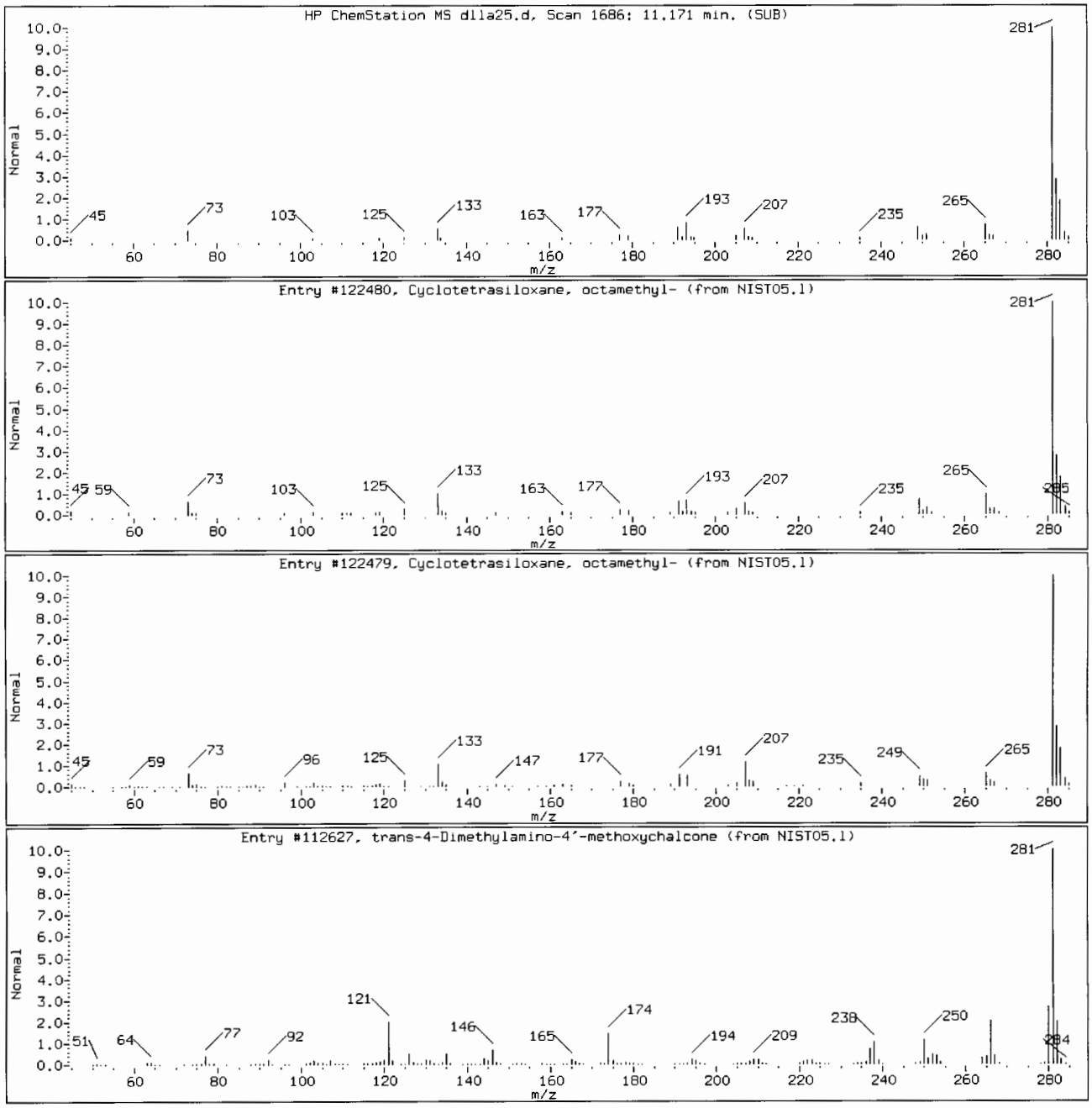
Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73123	90	C6H18O3Si3	222
Hexahydropyridine, 1-methyl-4-[4,5	94427-47-1	NIST05.1	62139	53	C12H17NO2	207
Cyclotrisiloxane, hexamethyl-	541-05-9	NIST05.1	73121	52	C6H18O3Si3	222



Data File: d11a25.d
Lab Sample ID: 200-22155-15 Date: 08-MAY-2014 20:54
Client ID: TRIP BLANK Instrument: D.i
Sample Info: 200-22155-A-15 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	122479	78	C8H24O4Si4	296
trans-4-Dimethylamino-4'-methoxych	52119-37-6	NIST05.1	112627	64	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: MW-12S_050114
Lab Sample ID: 200-22183-1
Matrix: Water
Lab File ID: dlla26.d
Analysis Method: SOM01.2/VOA_Tr
Date Collected: 05/01/2014 16:07
Sample wt/vol: 25(mL)
Date Analyzed: 05/08/2014 21:18
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	0.073	J B	0.50	0.069
75-00-3	Chloroethane	0.50	U	0.50	0.093
75-69-4	Trichlorofluoromethane	0.31	J	0.50	0.099
75-35-4	*1,1-Dichloroethene*	*23*	*E*	*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	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	5.4		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	9.3		0.50	0.078
110-82-7	Cyclohexane	0.50	U	0.50	0.066
56-23-5	Carbon tetrachloride	0.39	J	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*	*21*	*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	0.62		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	6.1		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-12S_050114 | Lab Sample ID: 200-22183-1

Matrix: Water | Lab File ID: dlla26.d

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

Sample wt/vol: 25(mL) | Date Analyzed: 05/08/2014 21:18

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	104		65-131
19199-91-8	Chloroethane-d5	105		71-131
22280-73-5	1,1-Dichloroethene-d2	200	X	55-104
24313-50-6	2-Butanone-d5	96		49-155
865-49-6	Chloroform-d	99		78-121
17060-07-0	1,2-Dichloroethane-d4	110		78-129
1076-43-3	Benzene-d6	101		77-124
93952-08-0	1,2-Dichloropropane-d6	86		79-124
2037-26-5	Toluene-d8	99		77-121
93951-86-1	trans-1,3-Dichloropropene-d4	95		73-121
4840-82-8	2-Hexanone-d5	98		28-135
33685-54-0	1,1,2,2-Tetrachloroethane-d2	94		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-12S_050114 Lab Sample ID: 200-22183-1

Matrix: Water Lab File ID: d11a26.d

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

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 21:18

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: 4.37

CAS NO.	COMPOUND NAME	RT	RESULT	Q
	Unknown	7.43	2.9	J B
541-05-9	Cyclotrisiloxane, hexamethyl-	8.35	0.63	J N
556-67-2	Cyclotetrasiloxane, octamethyl-	11.17	0.84	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-12S_050114 Lab Sample ID: 200-22183-1

Matrix: Water Lab File ID: dlla26.d

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

Sample wt/vol: 25(mL) Date Analyzed: 05/08/2014 21:18

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			