

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038246.D
 Acq On : 21 Nov 2024 17:12
 Operator : SY/MD
 Sample : P4883-11
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:49:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 22 01:41:27 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	243049	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	264885	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	105442	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	67517	3.624	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.400%
7) Chloroethane-d5	1.529	69	67353	4.470	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.400%
11) 1,1-Dichloroethene-d2	2.053	65	31902	3.979	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	3.780	46	183281	49.180	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.360%
24) Chloroform-d	4.240	84	166767	4.613	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	4.937	65	82848	5.107	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
32) Benzene-d6	4.953	84	292595	4.274	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.400%
36) 1,2-Dichloropropane-d6	5.982	67	96760	4.593	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.239	98	223454	3.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.600%
43) trans-1,3-Dichloroprop...	7.555	79	32871	4.197	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.018	63	158073	51.920	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.840%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	85269	4.768	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.400%
66) 1,2-Dichlorobenzene-d4	11.554	152	96311	5.361	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	5438	0.298	ug/L	90
16) Methylene chloride	2.442	84	23730	1.199	ug/L	97
22) cis-1,2-Dichloroethene	3.815	96	2536	0.134	ug/L	94
29) 1,1,1-Trichloroethane	4.506	97	38424	1.209	ug/L	98
31) Carbon tetrachloride	4.510	117	5136	0.183	ug/L	91
34) Trichloroethene	5.834	95	24602	1.213	ug/L	97
35) Methylcyclohexane	5.982	83	24132	0.841	ug/L #	19
37) 1,2-Dichloropropane	5.979	63	10152	0.545	ug/L #	86
42) Toluene	7.323	91	23055	0.293	ug/L	94
47) Tetrachloroethene	7.899	164	46396	2.847	ug/L	98
49) Dibromochloromethane	7.899	129	43394	2.633	ug/L #	11
51) Chlorobenzene	8.818	112	13152	0.242	ug/L	91
52) Ethylbenzene	8.956	91	7596	0.091	ug/L	100
53) m,p-Xylene	9.079	106	5816	0.184	ug/L	91
61) 1,2,3-Trichloropropane	11.178	75	12739	1.411	ug/L #	65
67) 1,2-Dichlorobenzene	11.574	146	5752	0.191	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.191	75	315	0.155	ug/L #	2

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Nov 22 01:41:27 2024
Response via : Initial Calibration

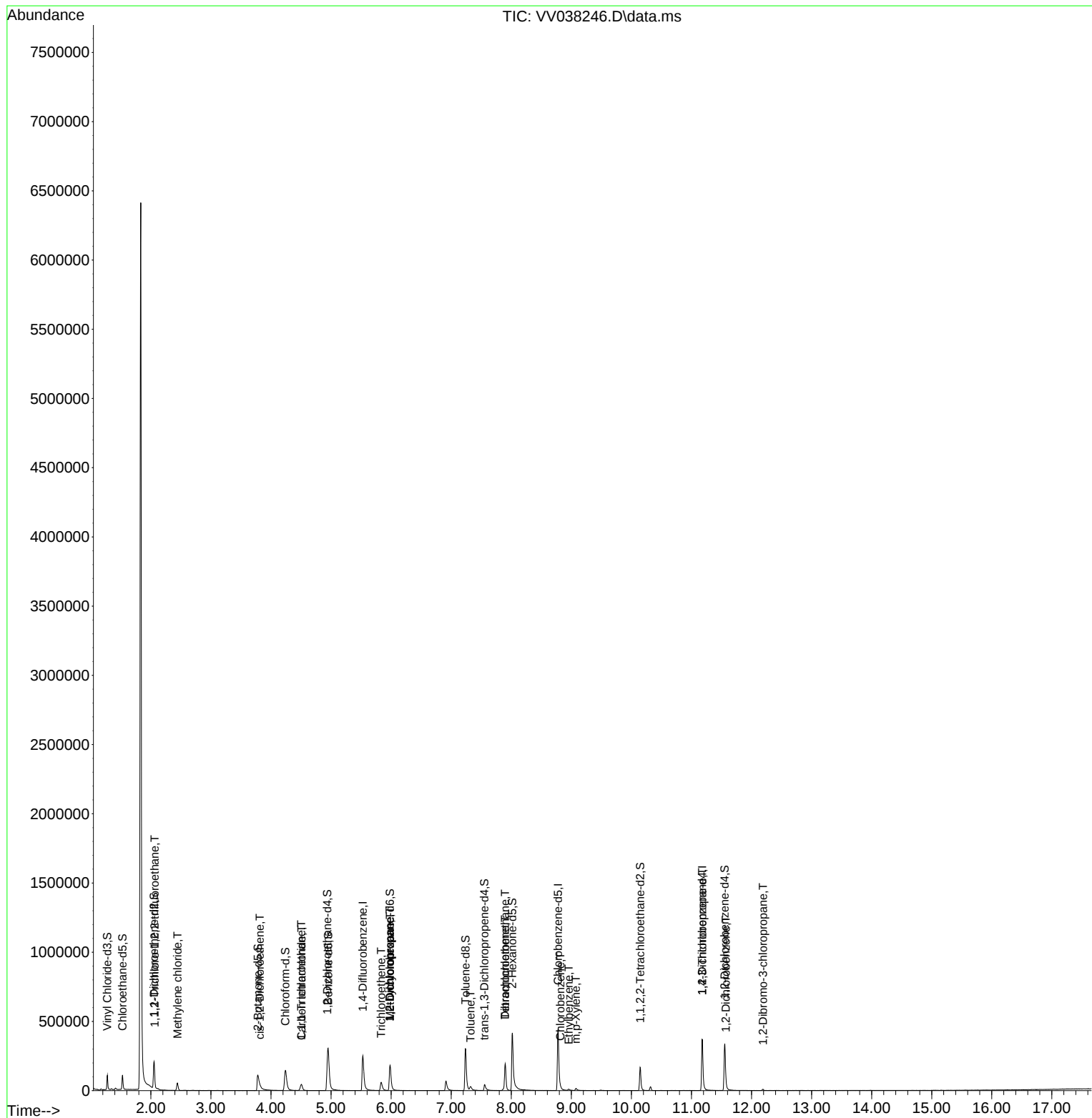
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

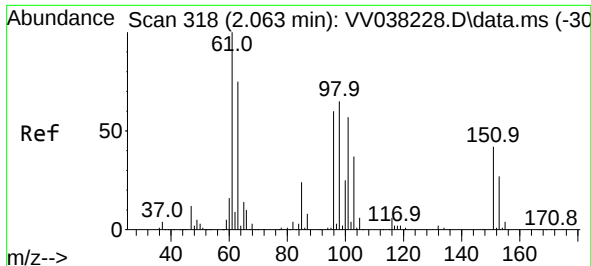
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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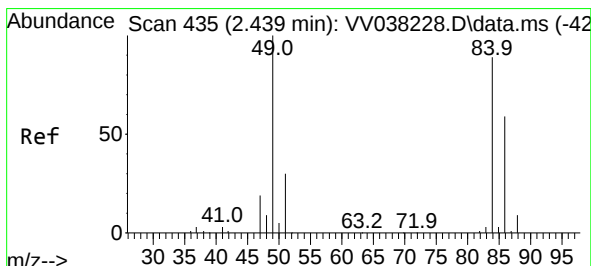
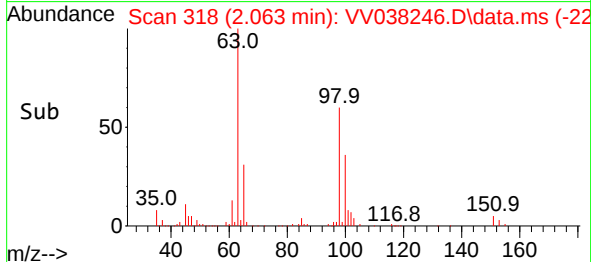
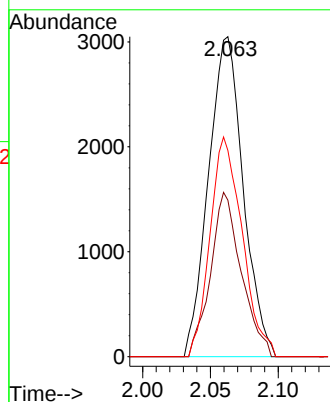
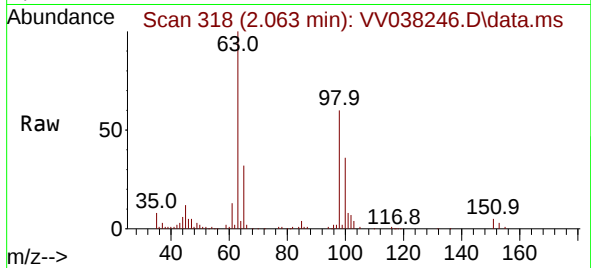




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.298 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

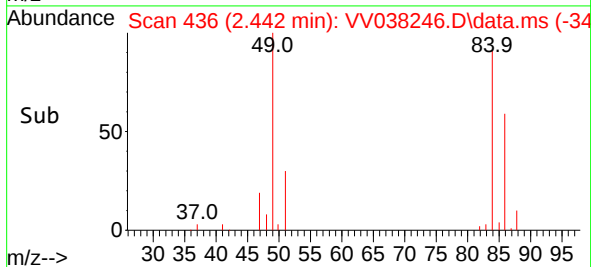
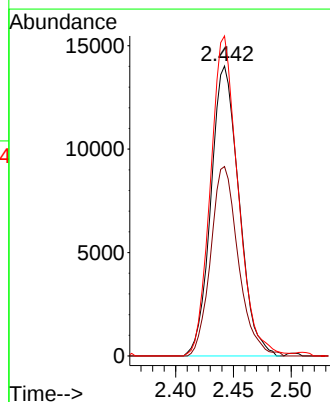
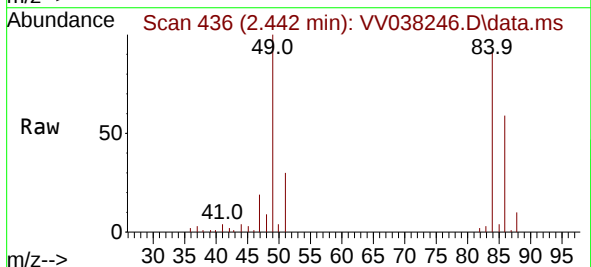
Instrument :
MSVOA_V
ClientSampleId :

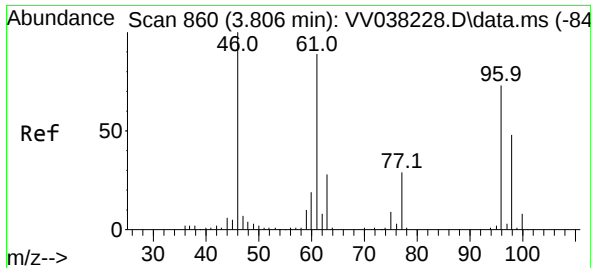
Tgt Ion:	101	Resp:	5438
Ion	Ratio	Lower	Upper
101	100		
85	45.4	33.4	50.0
151	63.5	58.8	88.2



#16
Methylene chloride
Concen: 1.199 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

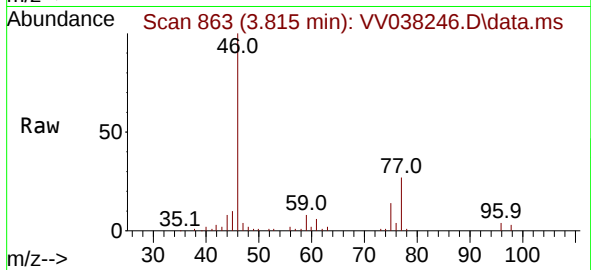
Tgt Ion:	84	Resp:	23730
Ion	Ratio	Lower	Upper
84	100		
86	65.4	44.2	82.2
49	110.4	74.9	139.1





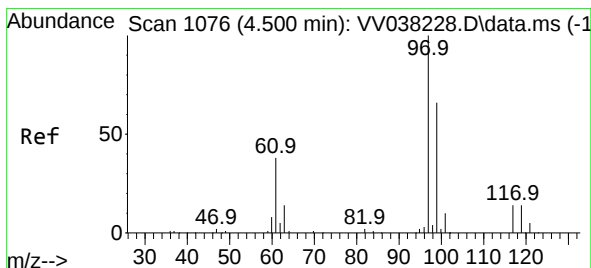
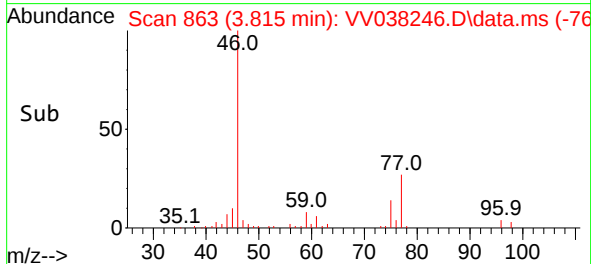
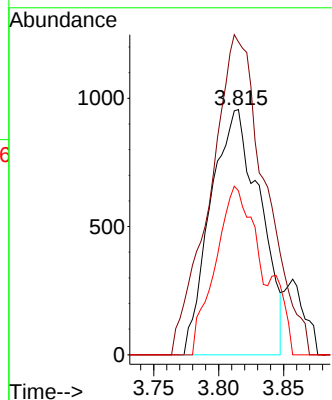
#22
 cis-1,2-Dichloroethene
 Concen: 0.134 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. 0.010 min
 Lab File: VV038246.D
 Acq: 21 Nov 2024 17:12

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 2536

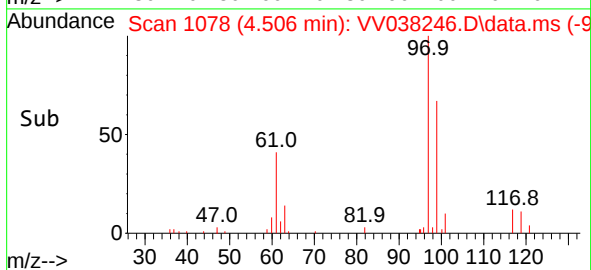
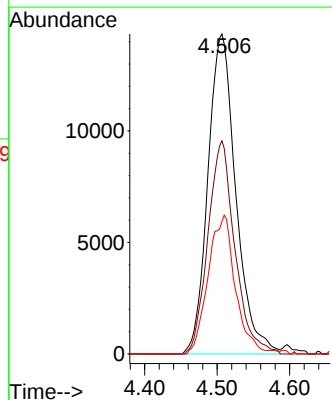
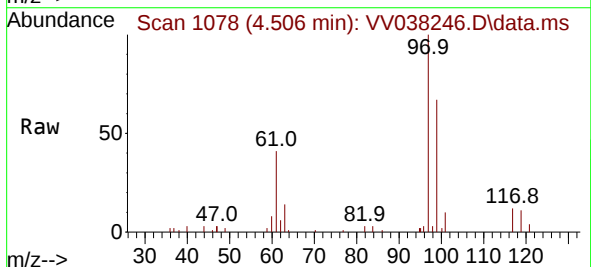
Ion	Ratio	Lower	Upper
96	100		
61	127.6	82.7	153.5
98	66.8	46.3	85.9

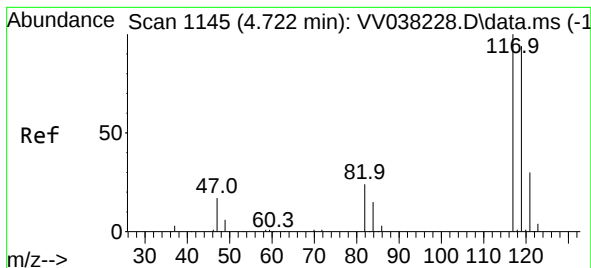


#29
 1,1,1-Trichloroethane
 Concen: 1.209 ug/L
 RT: 4.506 min Scan# 1078
 Delta R.T. 0.006 min
 Lab File: VV038246.D
 Acq: 21 Nov 2024 17:12

Tgt Ion: 97 Resp: 38424

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.8
61	42.3	32.2	48.2





#31

Carbon tetrachloride

Concen: 0.183 ug/L

RT: 4.510 min Scan# 1145

Delta R.T. -0.212 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Instrument :

MSVOA_V

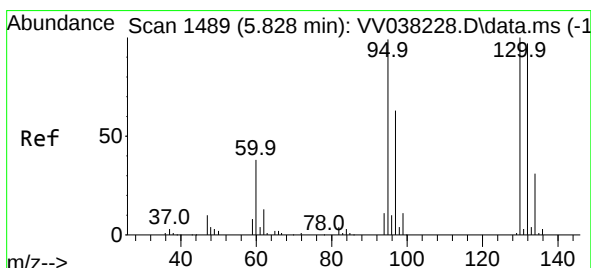
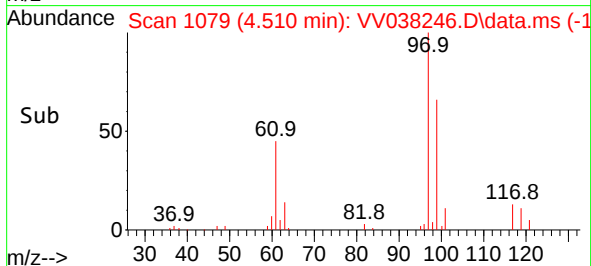
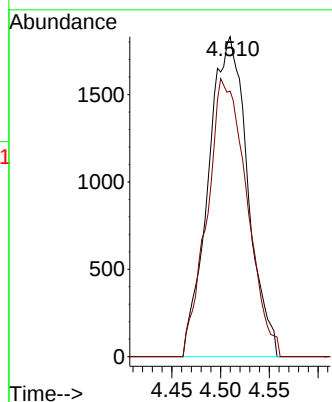
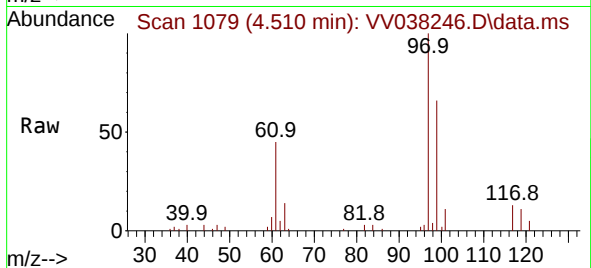
ClientSampleId :

Tgt Ion:117 Resp: 5136

Ion Ratio Lower Upper

117 100

119 87.6 77.4 116.2



#34

Trichloroethene

Concen: 1.213 ug/L

RT: 5.834 min Scan# 1491

Delta R.T. 0.006 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Tgt Ion: 95 Resp: 24602

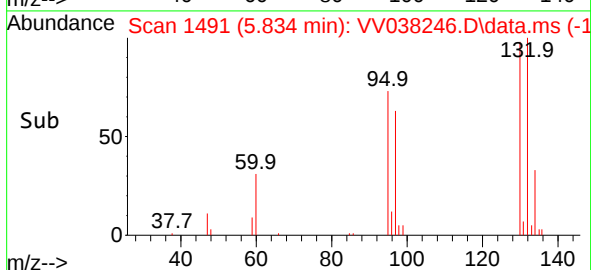
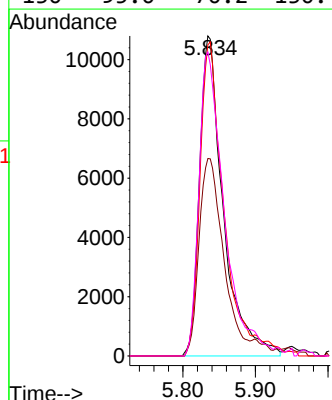
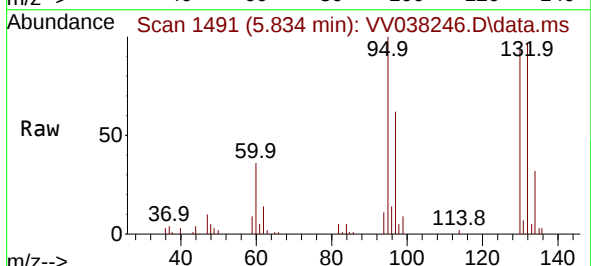
Ion Ratio Lower Upper

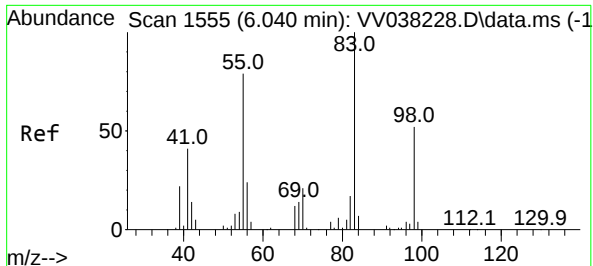
95 100

97 61.7 44.8 83.2

132 97.2 68.3 126.8

130 95.0 70.2 130.4





#35

Methylcyclohexane

Concen: 0.841 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Instrument :

MSVOA_V

ClientSampleId :

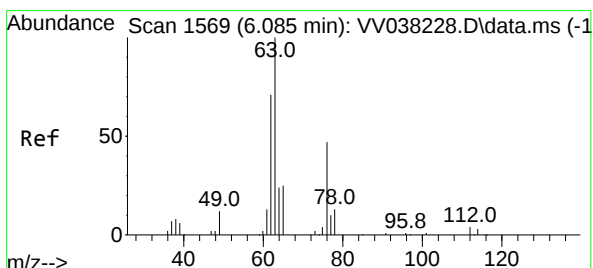
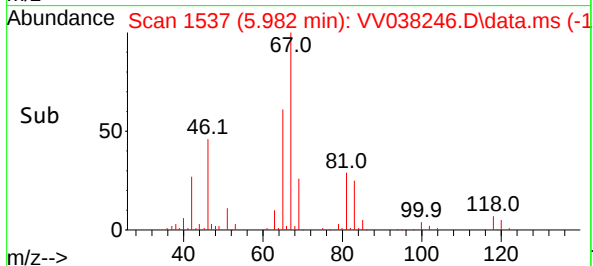
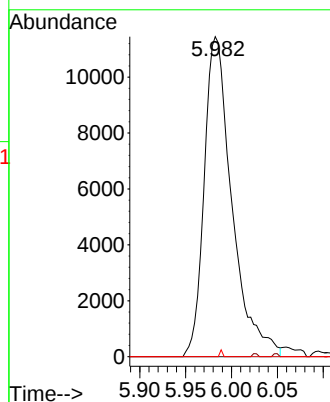
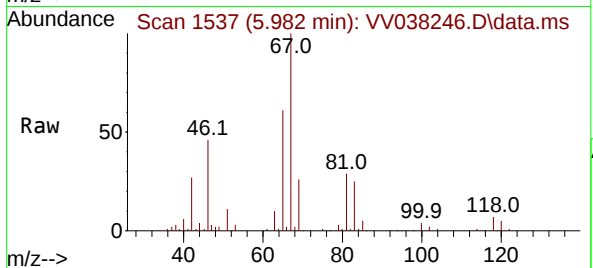
Tgt Ion: 83 Resp: 24132

Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

98 0.2 39.0 58.4#



#37

1,2-Dichloropropane

Concen: 0.545 ug/L

RT: 5.979 min Scan# 1536

Delta R.T. -0.106 min

Lab File: VV038246.D

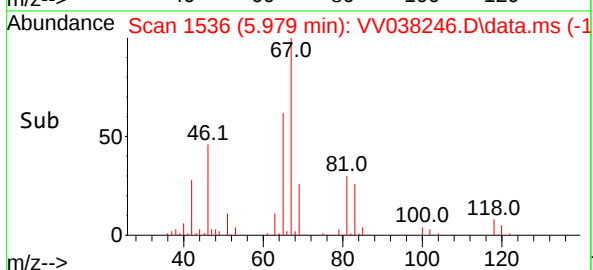
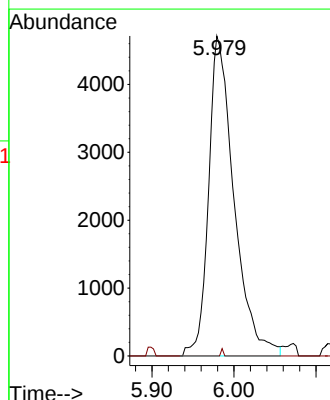
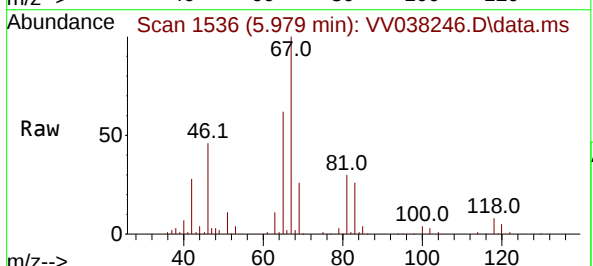
Acq: 21 Nov 2024 17:12

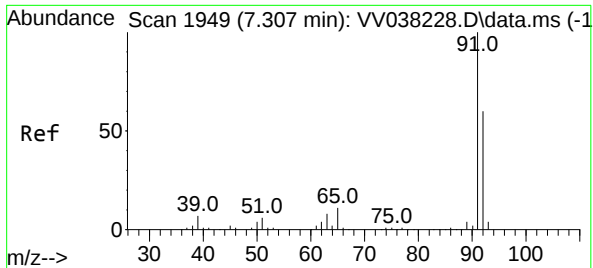
Tgt Ion: 63 Resp: 10152

Ion Ratio Lower Upper

63 100

112 0.2 3.9 5.9#





#42

Toluene

Concen: 0.293 ug/L

RT: 7.323 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Instrument :

MSVOA_V

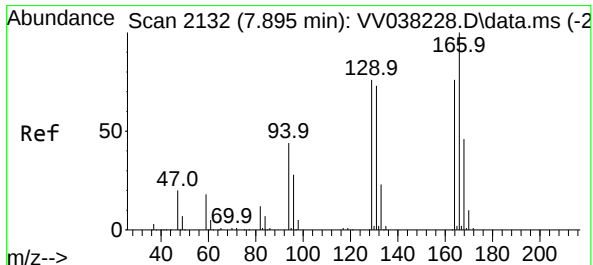
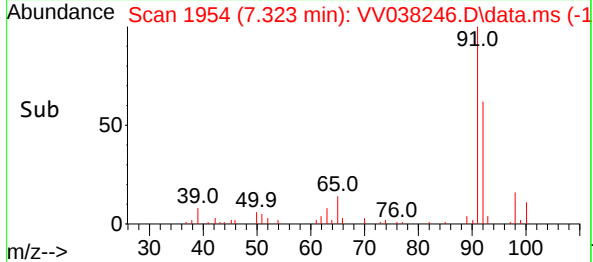
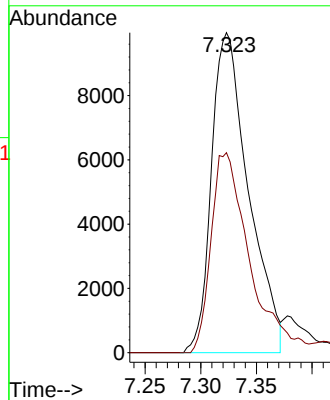
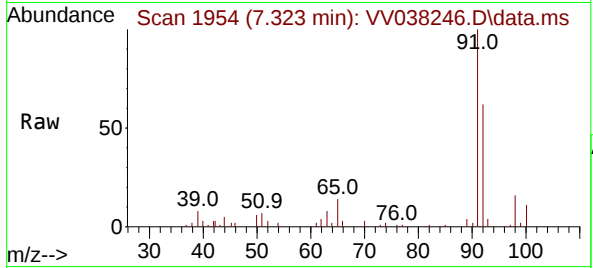
ClientSampleId :

Tgt Ion: 91 Resp: 23055

Ion Ratio Lower Upper

91 100

92 62.5 40.8 75.8



#47

Tetrachloroethene

Concen: 2.847 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Tgt Ion: 164 Resp: 46396

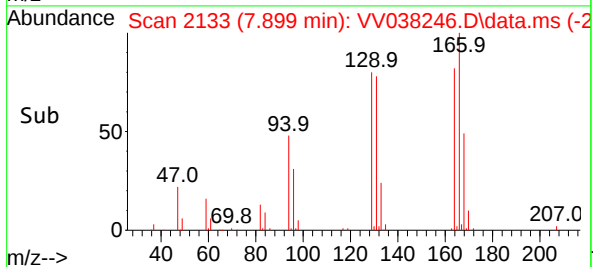
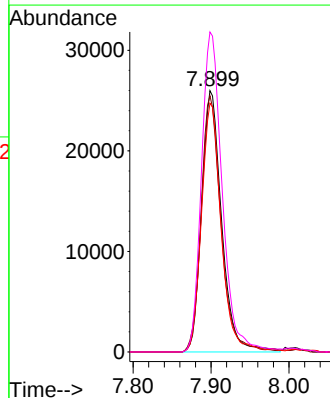
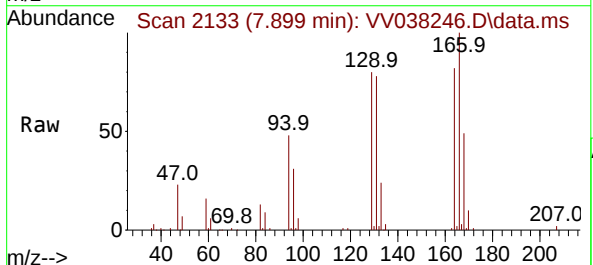
Ion Ratio Lower Upper

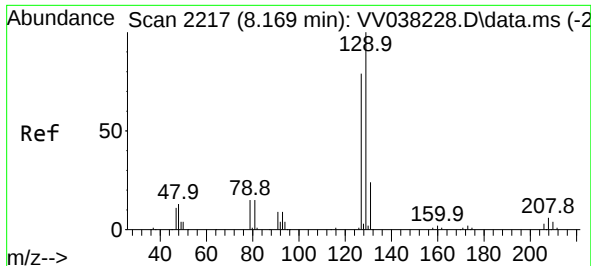
164 100

129 98.0 68.5 127.1

131 95.2 64.8 120.4

166 122.4 88.3 163.9





#49

Dibromochloromethane

Concen: 2.633 ug/L

RT: 7.899 min Scan# 2133

Delta R.T. -0.270 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Instrument :

MSVOA_V

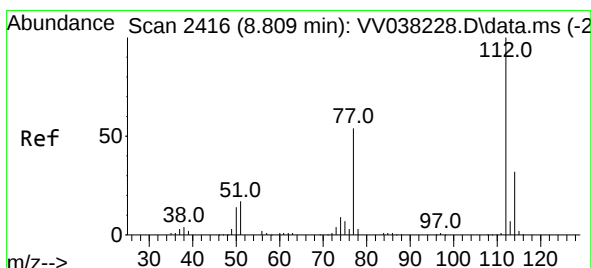
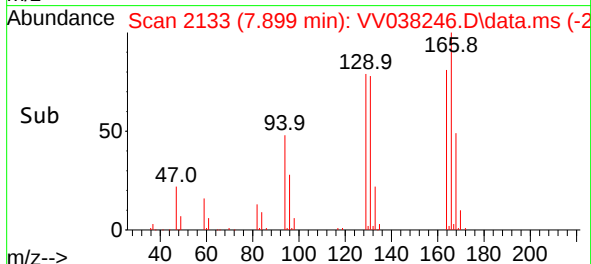
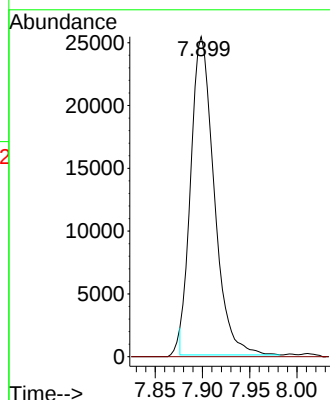
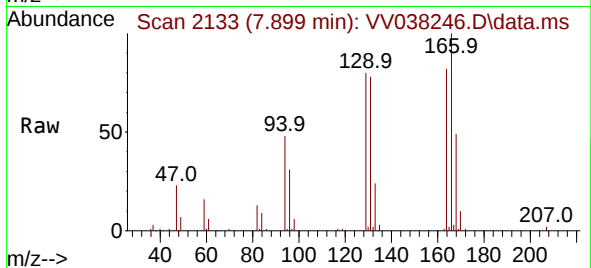
ClientSampleId :

Tgt Ion:129 Resp: 43394

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#51

Chlorobenzene

Concen: 0.242 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.010 min

Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

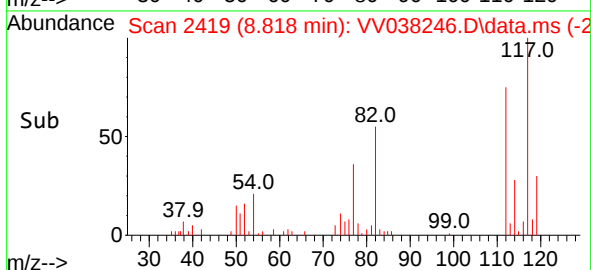
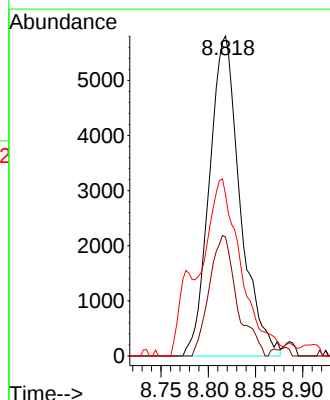
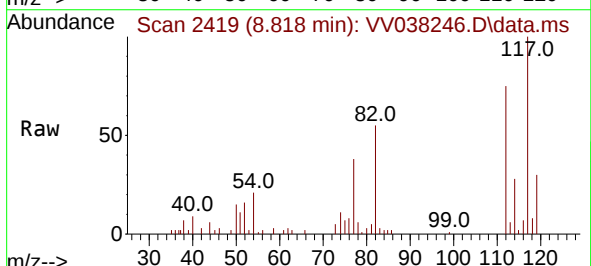
Tgt Ion:112 Resp: 13152

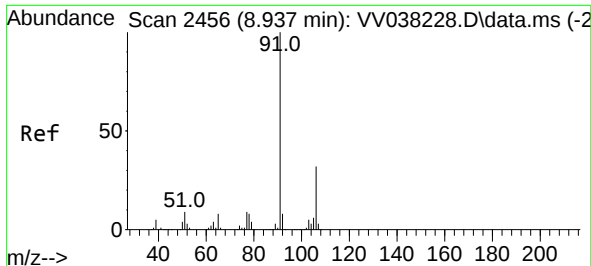
Ion Ratio Lower Upper

112 100

114 37.2 22.0 40.8

77 50.5 45.0 67.4

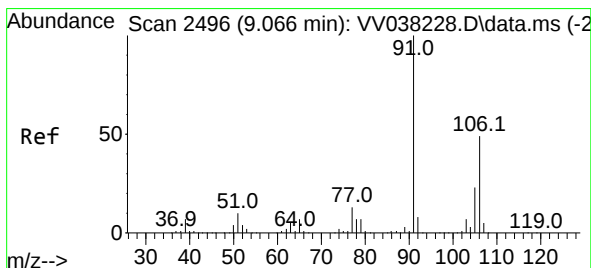
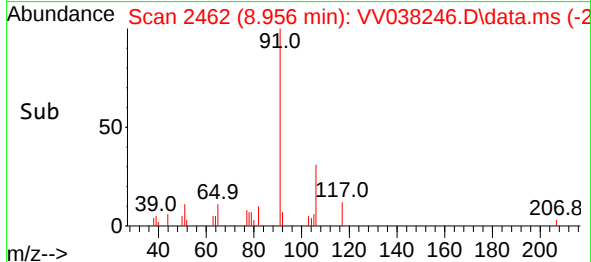
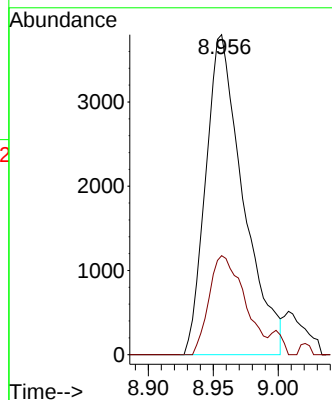
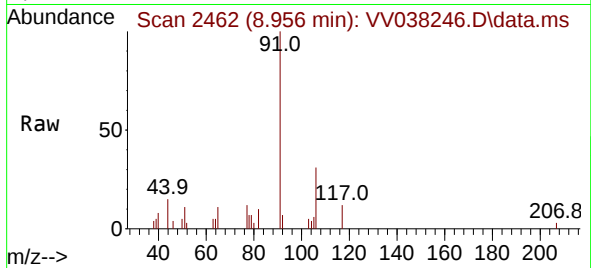




#52
Ethylbenzene
Concen: 0.091 ug/L
RT: 8.956 min Scan# 2456
Delta R.T. 0.019 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

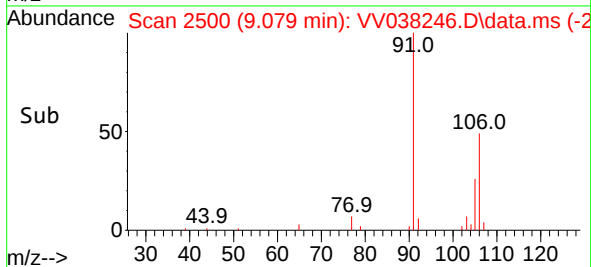
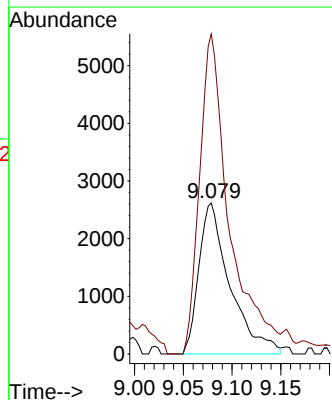
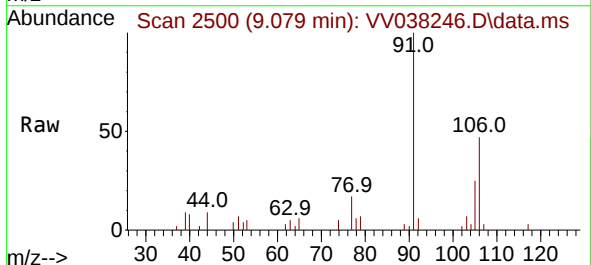
Instrument :
MSVOA_V
ClientSampleId :

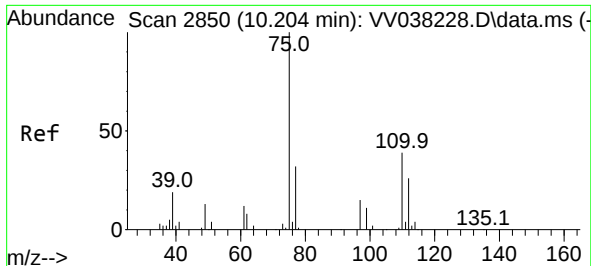
Tgt Ion: 91 Resp: 7596
Ion Ratio Lower Upper
91 100
106 30.9 21.8 40.4



#53
m,p-Xylene
Concen: 0.184 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.013 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

Tgt Ion: 106 Resp: 5816
Ion Ratio Lower Upper
106 100
91 212.2 138.7 257.5

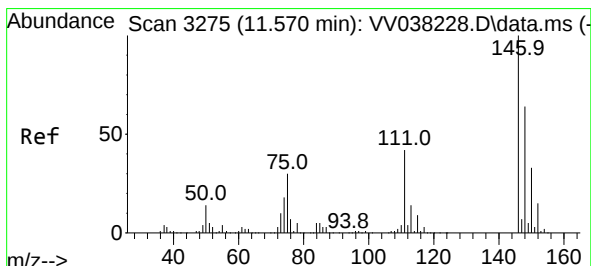
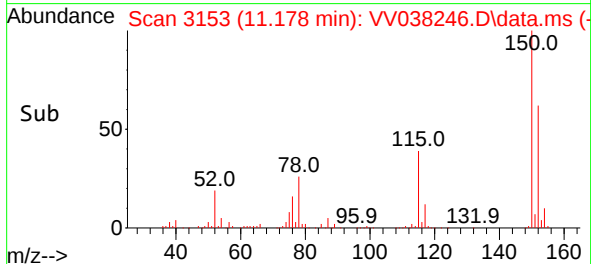
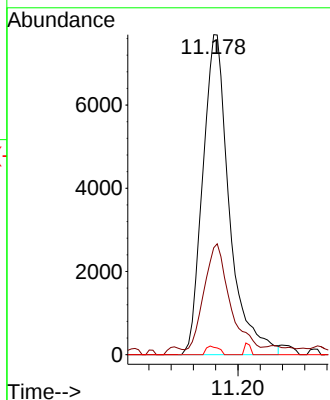
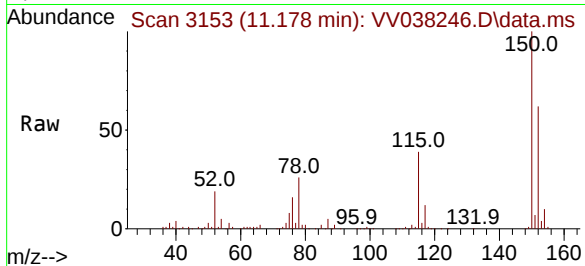




#61
1,2,3-Trichloropropane
Concen: 1.411 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

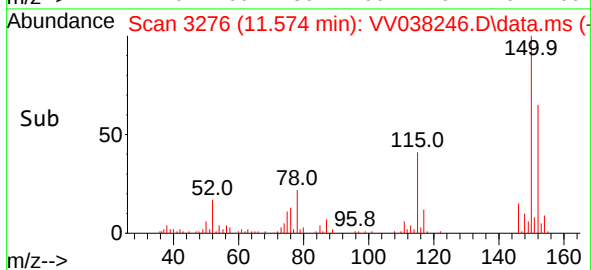
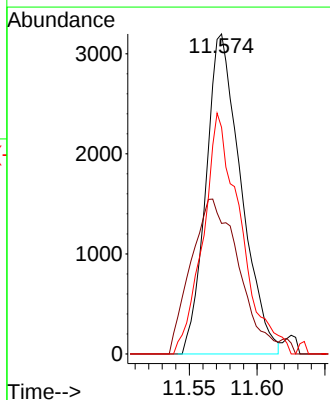
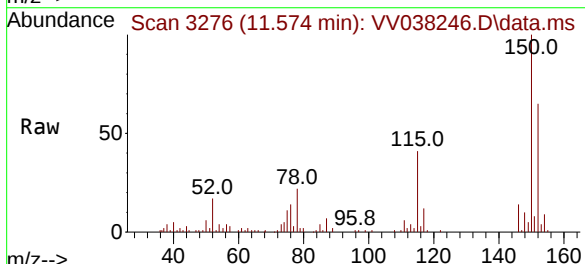
Instrument :
MSVOA_V
ClientSampleId :

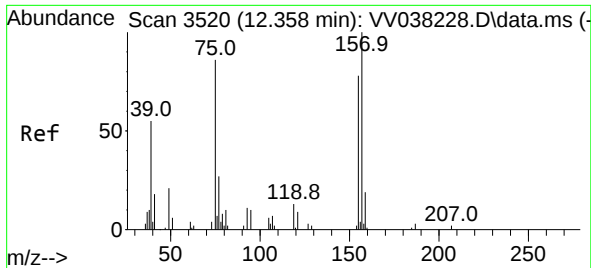
Tgt Ion: 75 Resp: 12739
Ion Ratio Lower Upper
75 100
77 32.7 26.4 39.6
110 1.3 32.3 48.5#



#67
1,2-Dichlorobenzene
Concen: 0.191 ug/L
RT: 11.574 min Scan# 3276
Delta R.T. 0.003 min
Lab File: VV038246.D
Acq: 21 Nov 2024 17:12

Tgt Ion: 146 Resp: 5752
Ion Ratio Lower Upper
146 100
111 40.8 34.2 51.2
148 70.8 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.155 ug/L

RT: 12.191 min Scan# 34

Delta R.T. -0.167 min

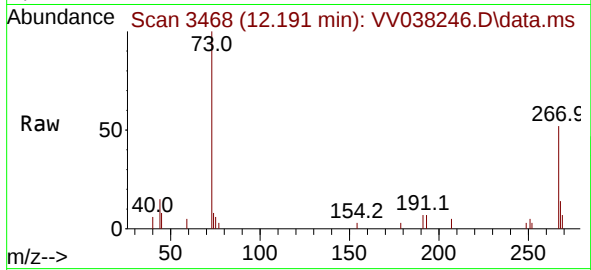
Lab File: VV038246.D

Acq: 21 Nov 2024 17:12

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 315

Ion Ratio Lower Upper

75 100

155 0.0 67.5 101.3#

157 0.0 82.7 124.1#

