

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112124\
 Data File : VV038245.D
 Acq On : 21 Nov 2024 16:48
 Operator : SY/MD
 Sample : P4883-10
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 22 01:49:16 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	242595	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	268681	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	109787	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	65877	3.543	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.800%
7) Chloroethane-d5	1.529	69	68135	4.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.053	65	31665	3.957	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	3.780	46	180994	48.658	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.320%
24) Chloroform-d	4.239	84	166710	4.620	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	4.937	65	83283	5.143	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
32) Benzene-d6	4.950	84	284991	4.104	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
36) 1,2-Dichloropropane-d6	5.982	67	98022	4.587	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.239	98	227734	3.544	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
43) trans-1,3-Dichloroprop...	7.558	79	30903	3.890	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.800%
46) 2-Hexanone-d5	8.017	63	156772	50.765	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.540%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	90386	4.983	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.600%
66) 1,2-Dichlorobenzene-d4	11.554	152	99926	5.342	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	7652	0.421	ug/L	92
16) Methylene chloride	2.442	84	24452	1.238	ug/L	98
17) Methyl tert-butyl Ether	2.699	73	4029	0.103	ug/L #	83
22) cis-1,2-Dichloroethene	3.812	96	7505	0.398	ug/L	94
27) 1,2-Dichloroethane	5.072	62	3356	0.174	ug/L	96
29) 1,1,1-Trichloroethane	4.503	97	52425	1.627	ug/L	98
31) Carbon tetrachloride	4.510	117	6805	0.239	ug/L	96
34) Trichloroethene	5.828	95	112771	5.481	ug/L	98
35) Methylcyclohexane	5.982	83	24408	0.839	ug/L #	19
37) 1,2-Dichloropropane	5.982	63	10344	0.547	ug/L #	86
42) Toluene	7.323	91	29551	0.370	ug/L	95
47) Tetrachloroethene	7.898	164	75085	4.542	ug/L	97
49) Dibromochloromethane	7.898	129	70428	4.213	ug/L #	11
51) Chlorobenzene	8.815	112	15506	0.282	ug/L	99
52) Ethylbenzene	8.953	91	10288	0.121	ug/L	88
53) m,p-Xylene	9.075	106	6085	0.190	ug/L	86
61) 1,2,3-Trichloropropane	11.178	75	12897	1.372	ug/L #	64
67) 1,2-Dichlorobenzene	11.577	146	7227	0.230	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.188	75	341	0.162	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

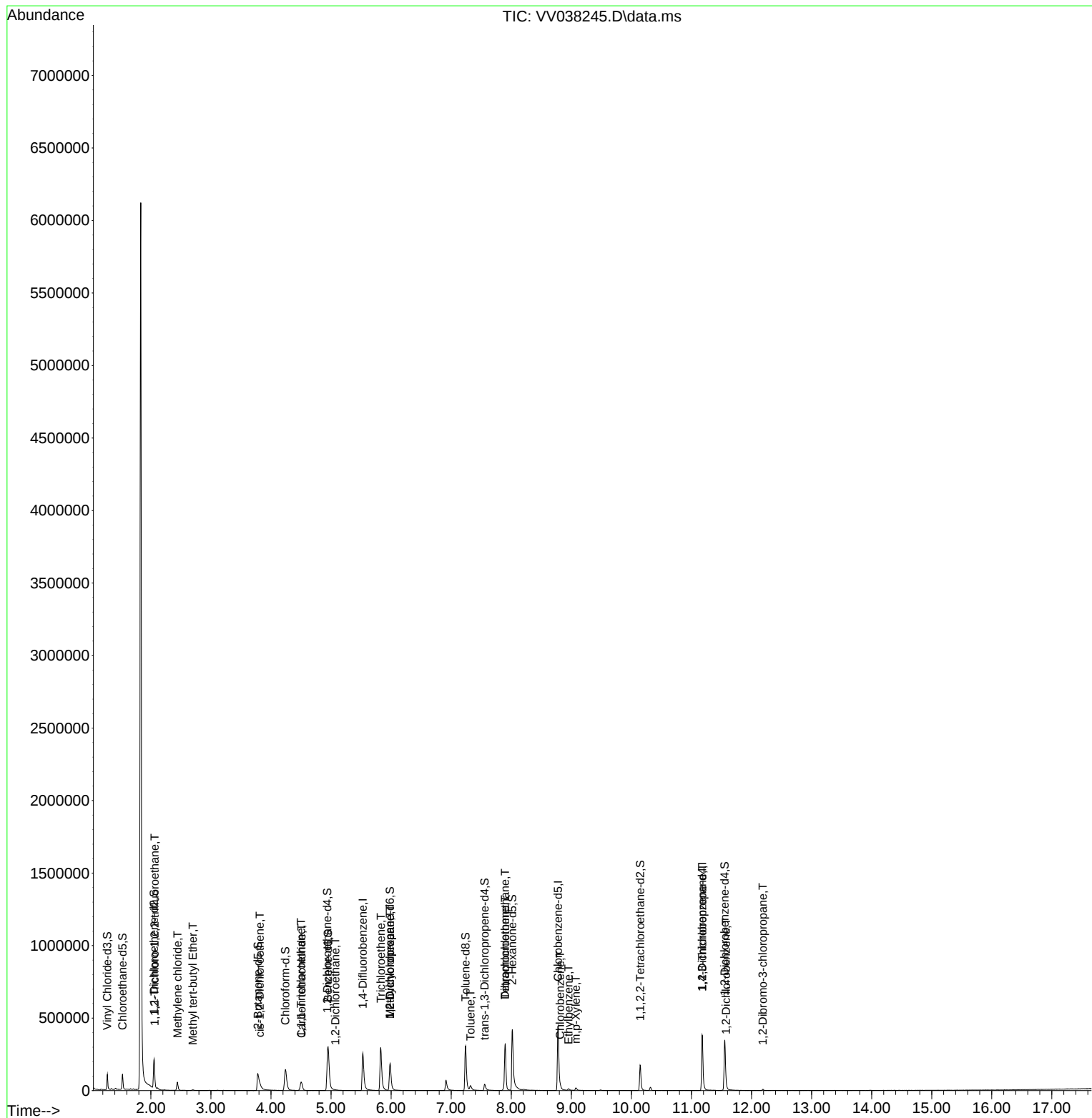
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

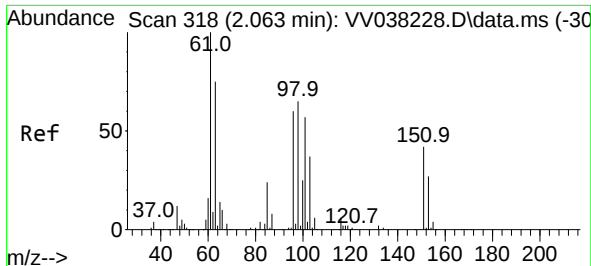
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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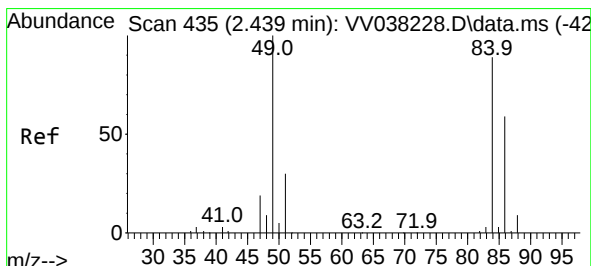
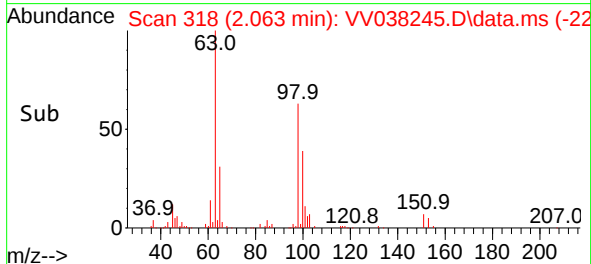
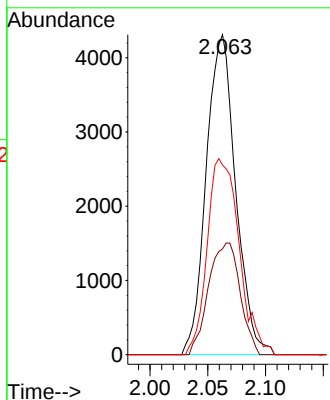
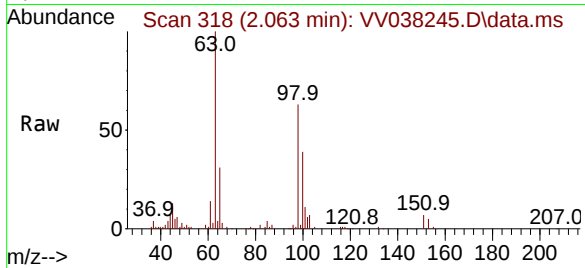




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.421 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

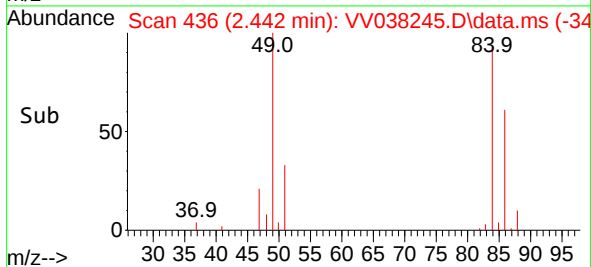
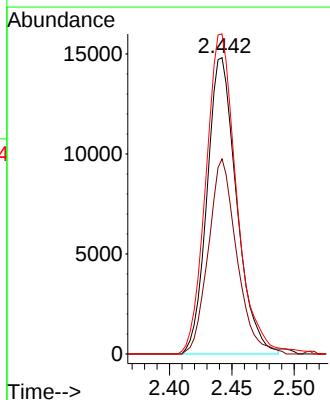
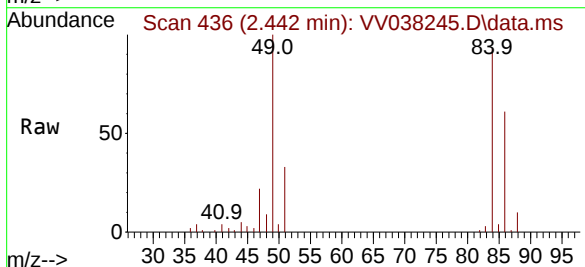
Instrument :
MSVOA_V
ClientSampleId :

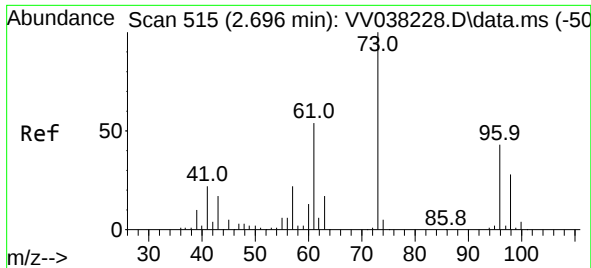
Tgt Ion:101 Resp: 7652
Ion Ratio Lower Upper
101 100
85 37.3 33.4 50.0
151 66.5 58.8 88.2



#16
Methylene chloride
Concen: 1.238 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.003 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion: 84 Resp: 24452
Ion Ratio Lower Upper
84 100
86 65.8 44.2 82.2
49 108.0 74.9 139.1

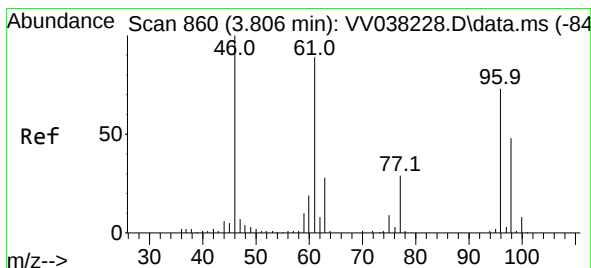
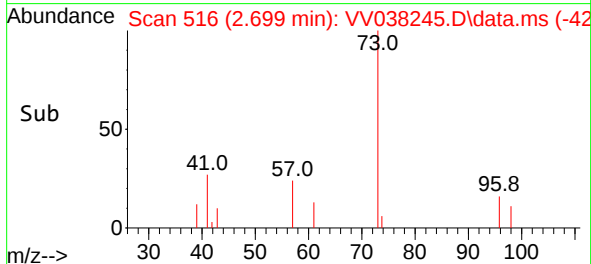
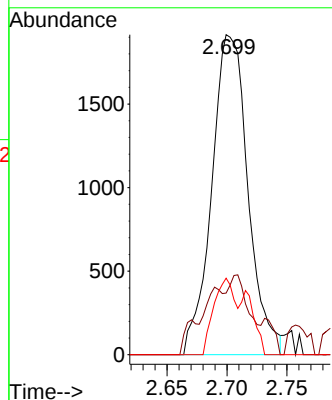
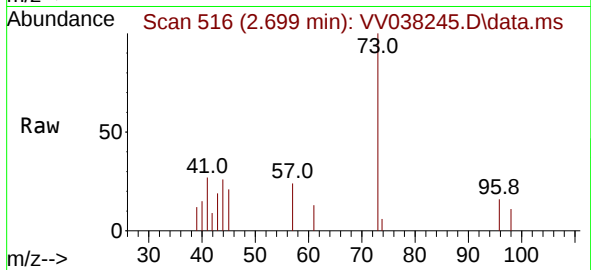




#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.699 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

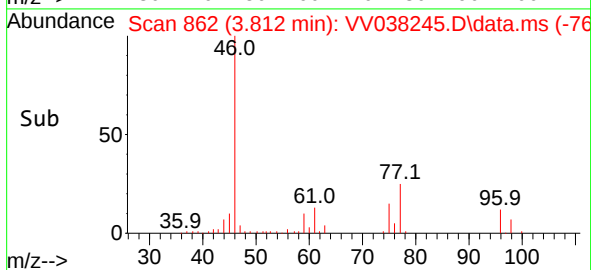
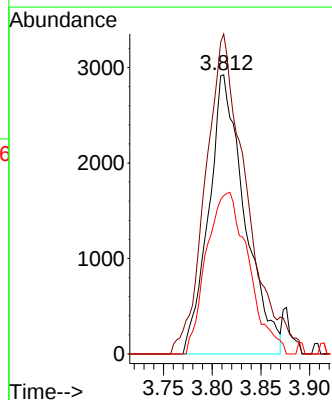
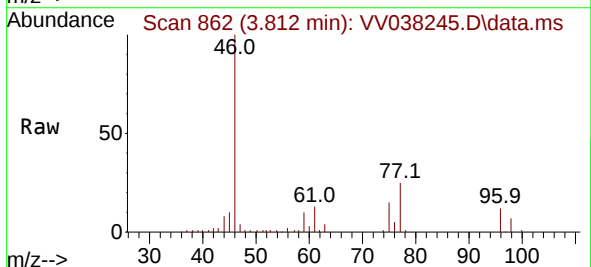
Instrument :
MSVOA_V
ClientSampleId :

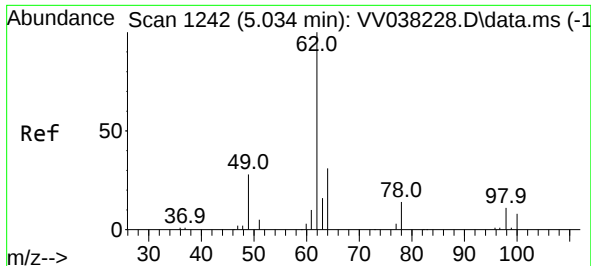
Tgt Ion: 73 Resp: 4029
Ion Ratio Lower Upper
73 100
43 9.9 14.2 21.2#
57 14.1 17.6 26.4#



#22
cis-1,2-Dichloroethene
Concen: 0.398 ug/L
RT: 3.812 min Scan# 862
Delta R.T. 0.006 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion: 96 Resp: 7505
Ion Ratio Lower Upper
96 100
61 114.6 82.7 153.5
98 56.7 46.3 85.9





#27

1,2-Dichloroethane

Concen: 0.174 ug/L

RT: 5.072 min Scan# 1

Delta R.T. 0.038 min

Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

Instrument :

MSVOA_V

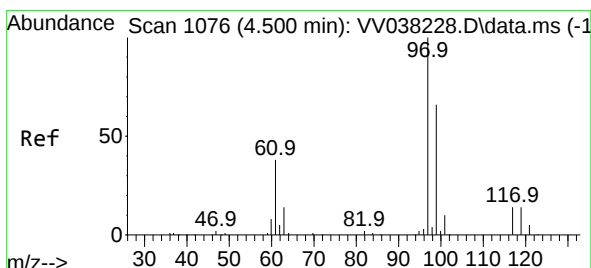
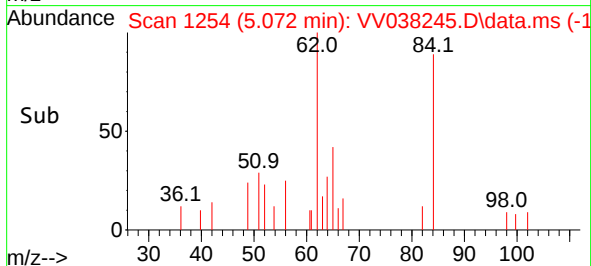
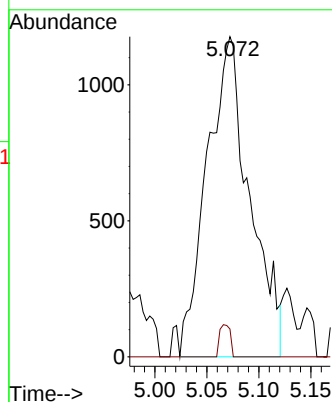
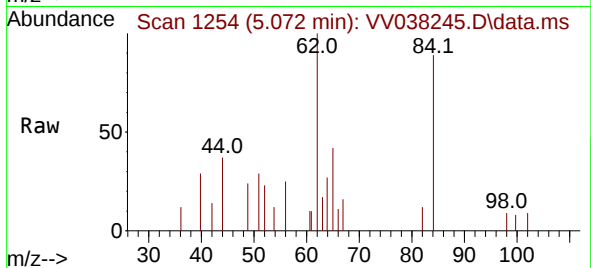
ClientSampleId :

Tgt Ion: 62 Resp: 3356

Ion Ratio Lower Upper

62 100

98 8.7 8.2 12.4



#29

1,1,1-Trichloroethane

Concen: 1.627 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

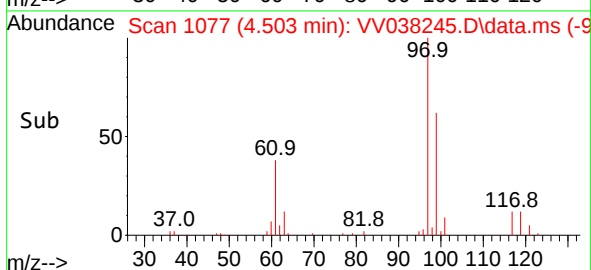
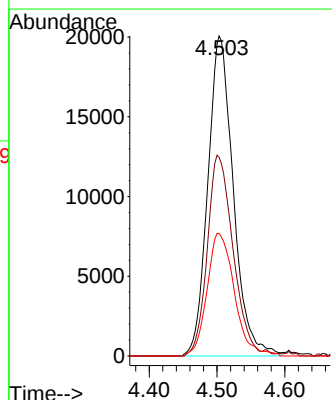
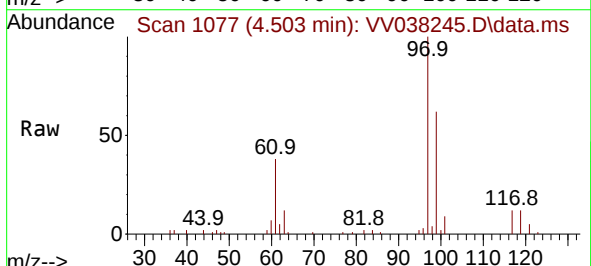
Tgt Ion: 97 Resp: 52425

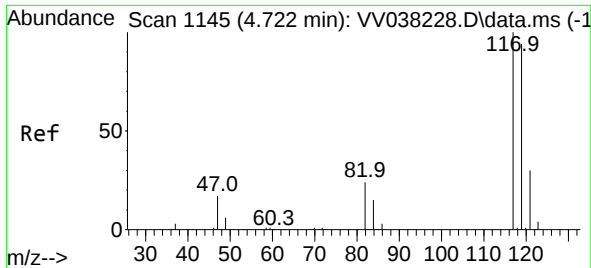
Ion Ratio Lower Upper

97 100

99 63.1 51.8 77.8

61 41.0 32.2 48.2

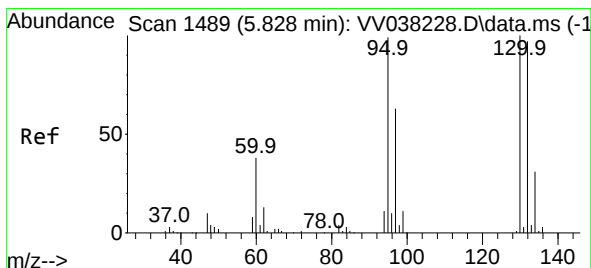
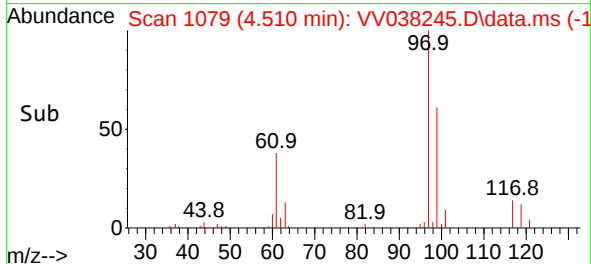
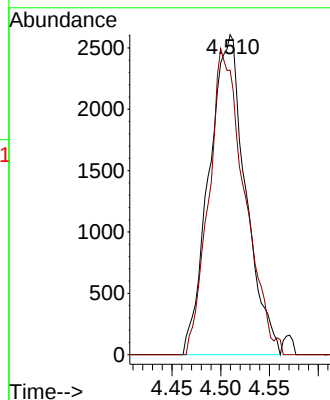
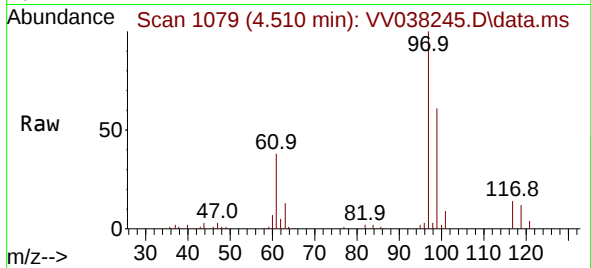




#31
Carbon tetrachloride
Concen: 0.239 ug/L
RT: 4.510 min Scan# 1145
Delta R.T. -0.212 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

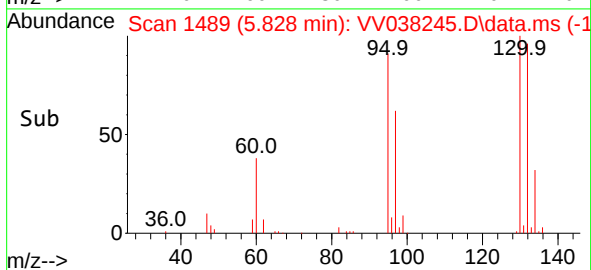
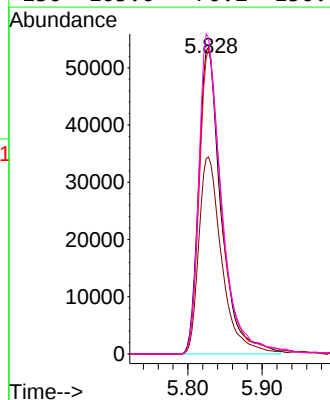
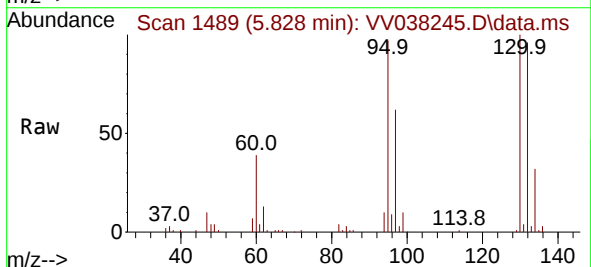
Instrument :
MSVOA_V
ClientSampleId :

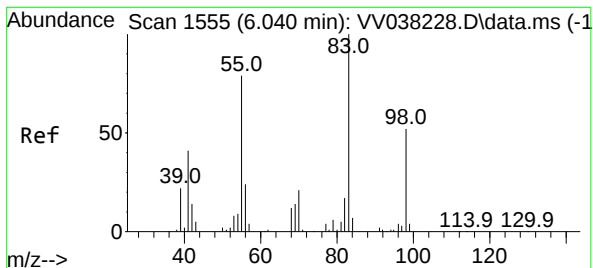
Tgt Ion:117 Resp: 6805
Ion Ratio Lower Upper
117 100
119 93.2 77.4 116.2



#34
Trichloroethene
Concen: 5.481 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion: 95 Resp: 112771
Ion Ratio Lower Upper
95 100
97 64.2 44.8 83.2
132 99.4 68.3 126.8
130 103.0 70.2 130.4





#35

Methylcyclohexane

Concen: 0.839 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.058 min

Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

Instrument :

MSVOA_V

ClientSampleId :

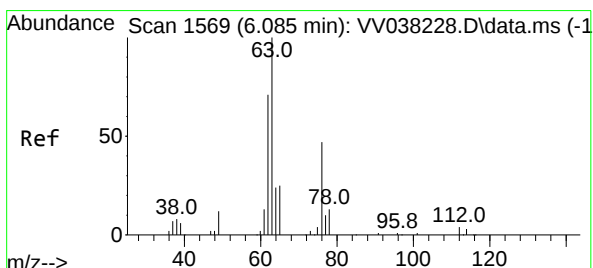
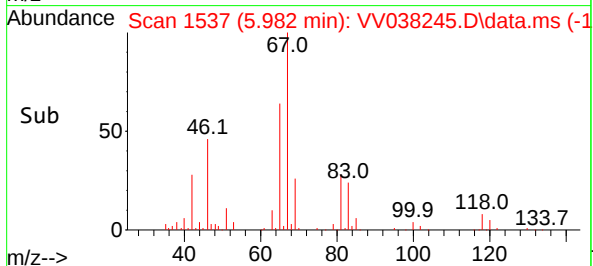
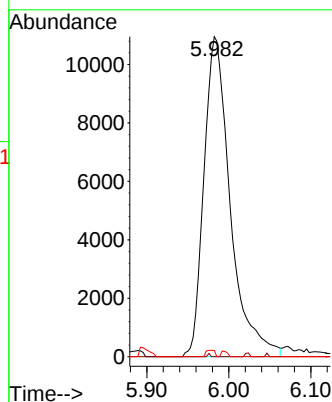
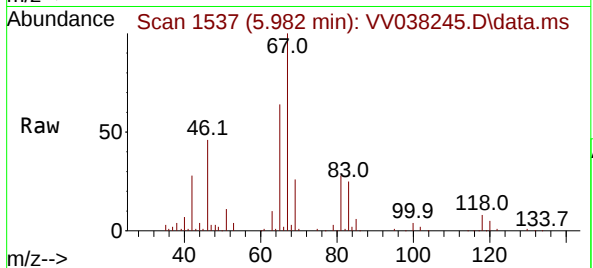
Tgt Ion: 83 Resp: 24408

Ion Ratio Lower Upper

83 100

55 0.1 59.7 89.5#

98 0.7 39.0 58.4#



#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 5.982 min Scan# 1537

Delta R.T. -0.103 min

Lab File: VV038245.D

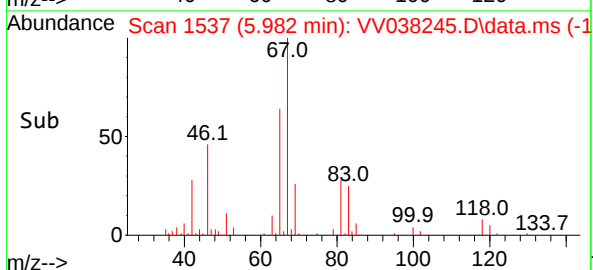
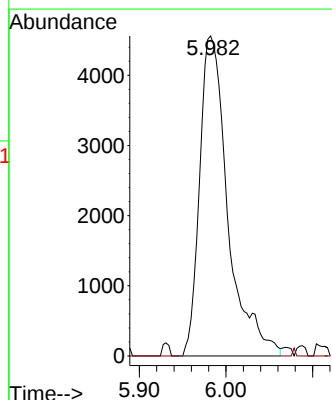
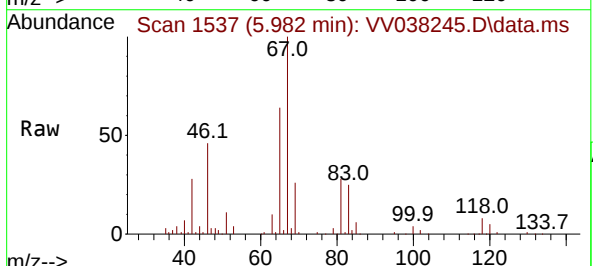
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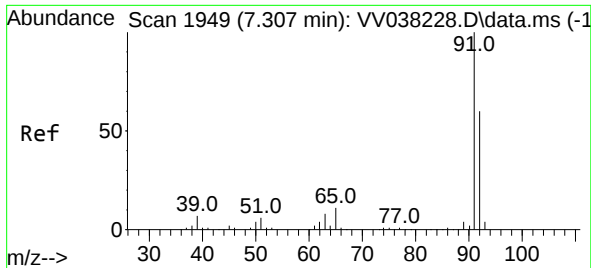
Tgt Ion: 63 Resp: 10344

Ion Ratio Lower Upper

63 100

112 0.2 3.9 5.9#





#42

Toluene

Concen: 0.370 ug/L

RT: 7.323 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

Instrument :

MSVOA_V

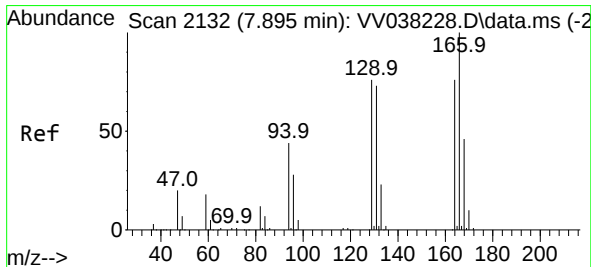
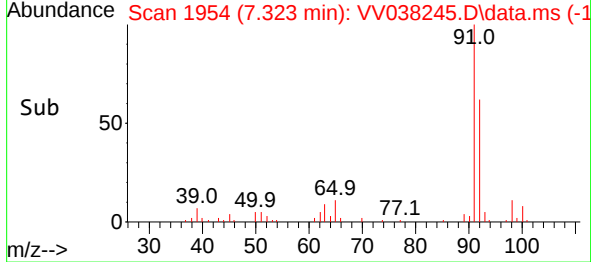
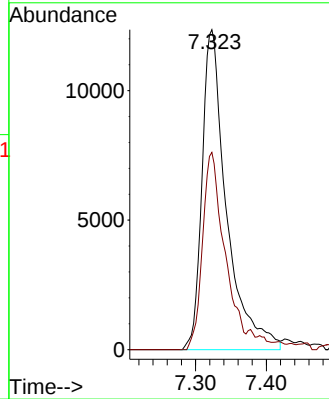
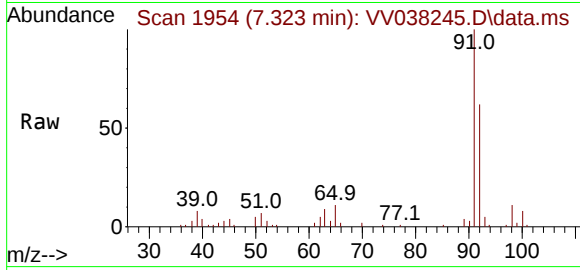
ClientSampleId :

Tgt Ion: 91 Resp: 29551

Ion Ratio Lower Upper

91 100

92 61.7 40.8 75.8



#47

Tetrachloroethene

Concen: 4.542 ug/L

RT: 7.898 min Scan# 2133

Delta R.T. 0.003 min

Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

Tgt Ion: 164 Resp: 75085

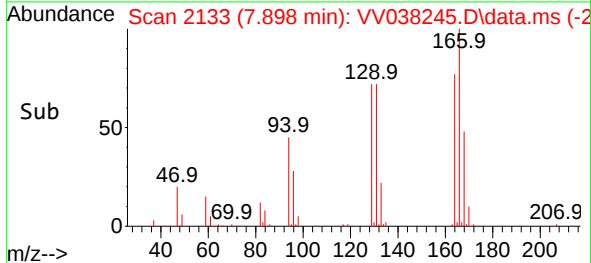
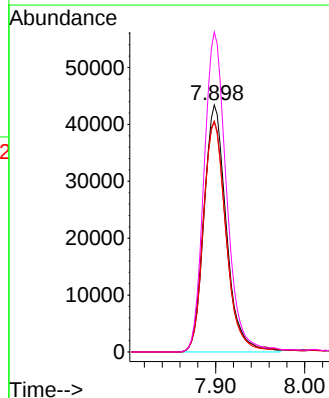
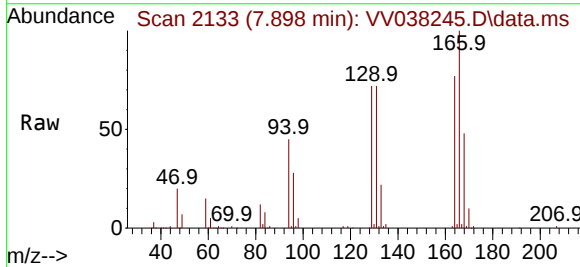
Ion Ratio Lower Upper

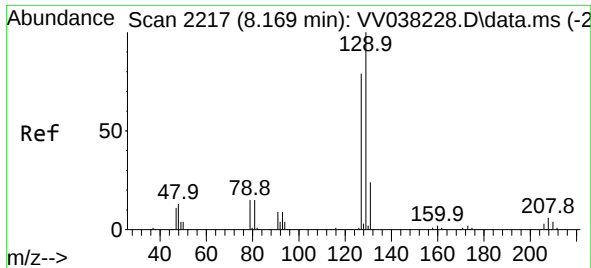
164 100

129 93.5 68.5 127.1

131 93.2 64.8 120.4

166 129.6 88.3 163.9

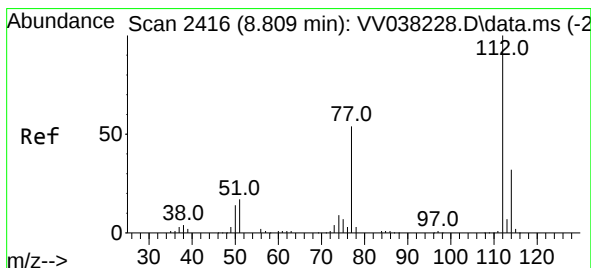
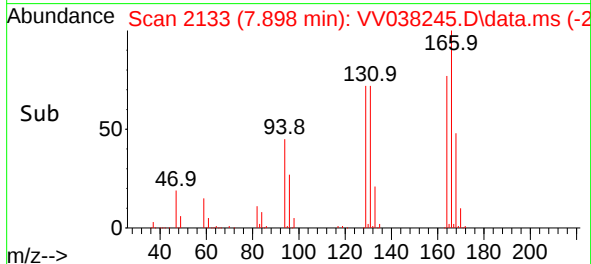
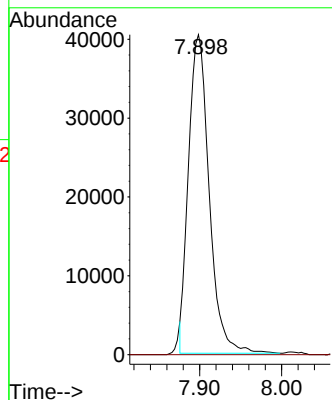
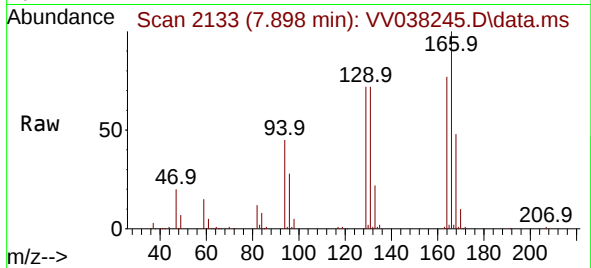




#49
Dibromochloromethane
Concen: 4.213 ug/L
RT: 7.898 min Scan# 2133
Delta R.T. -0.270 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

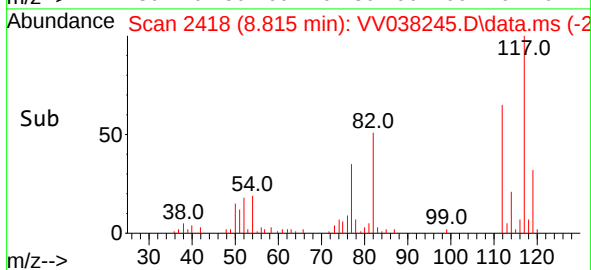
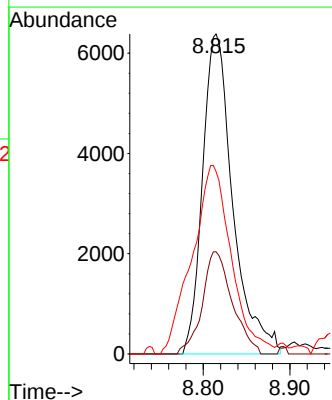
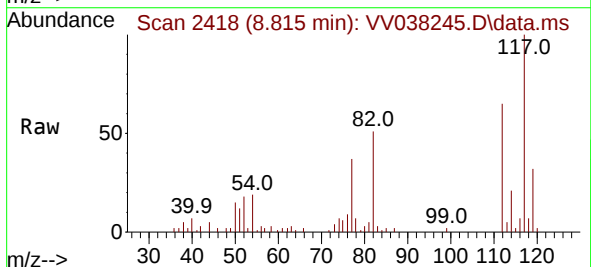
Instrument :
MSVOA_V
ClientSampleId :

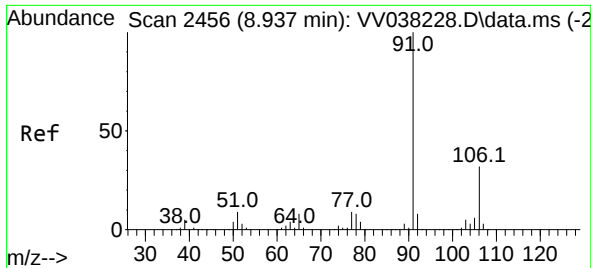
Tgt Ion:129 Resp: 70428
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#



#51
Chlorobenzene
Concen: 0.282 ug/L
RT: 8.815 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion:112 Resp: 15506
Ion Ratio Lower Upper
112 100
114 32.0 22.0 40.8
77 57.0 45.0 67.4

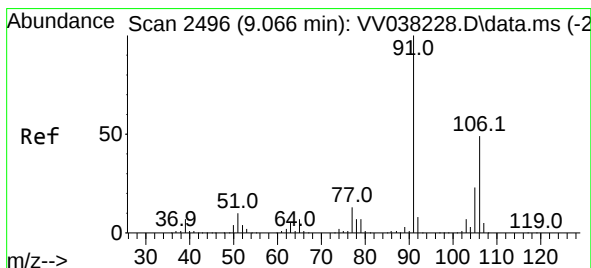
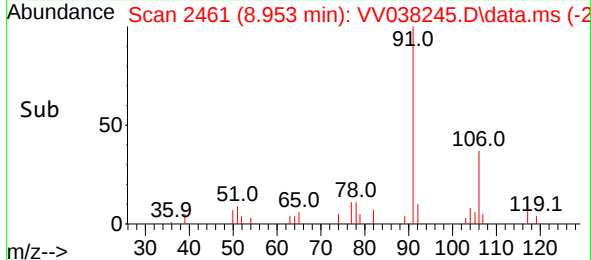
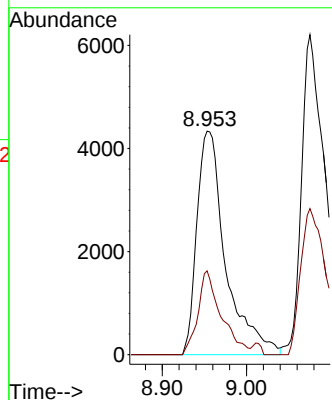
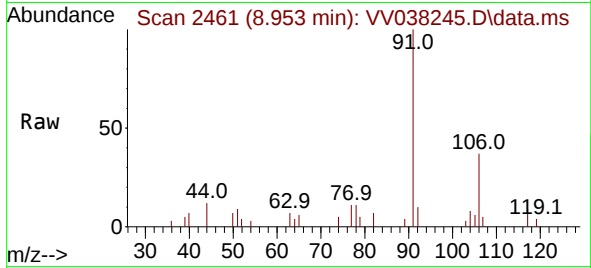




#52
Ethylbenzene
Concen: 0.121 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. 0.016 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

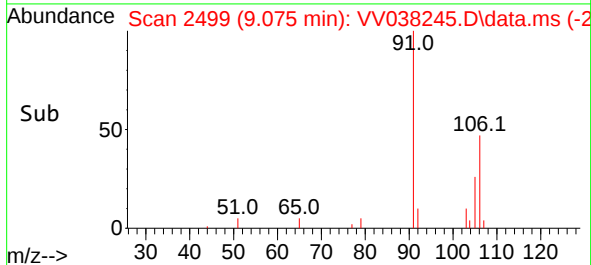
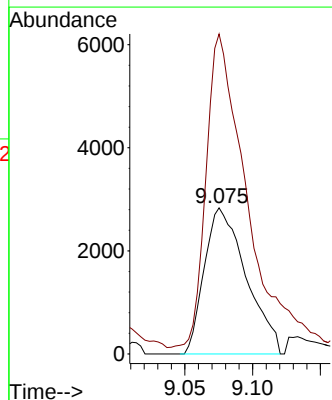
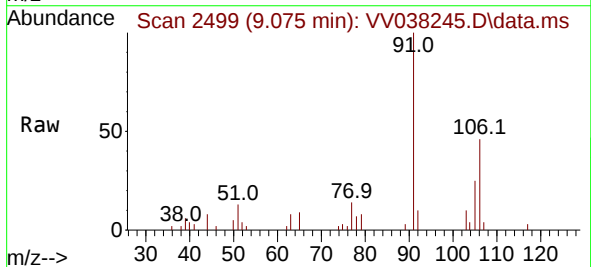
Instrument :
MSVOA_V
ClientSampleId :

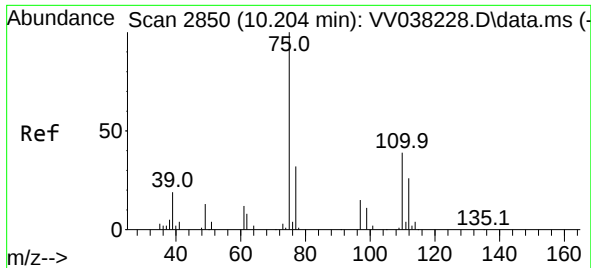
Tgt Ion: 91 Resp: 10288
Ion Ratio Lower Upper
91 100
106 37.5 21.8 40.4



#53
m,p-Xylene
Concen: 0.190 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.009 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion: 106 Resp: 6085
Ion Ratio Lower Upper
106 100
91 219.1 138.7 257.5

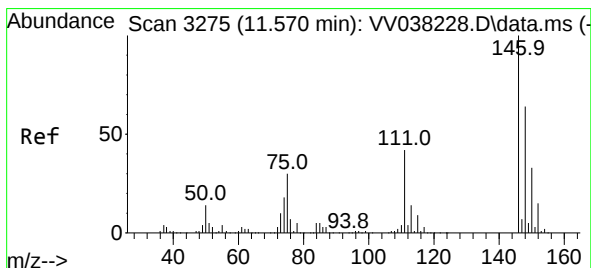
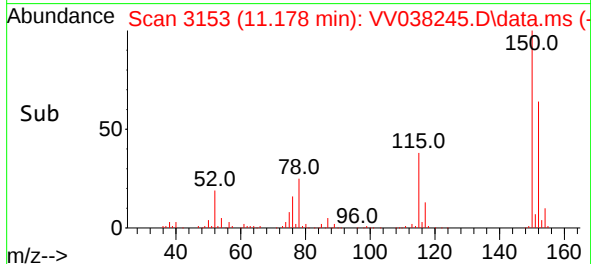
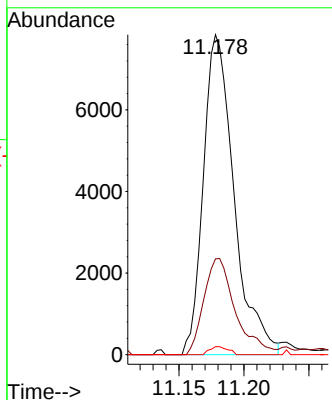
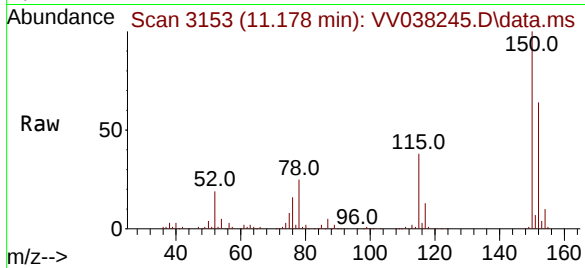




#61
1,2,3-Trichloropropane
Concen: 1.372 ug/L
RT: 11.178 min Scan# 3153
Delta R.T. 0.974 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

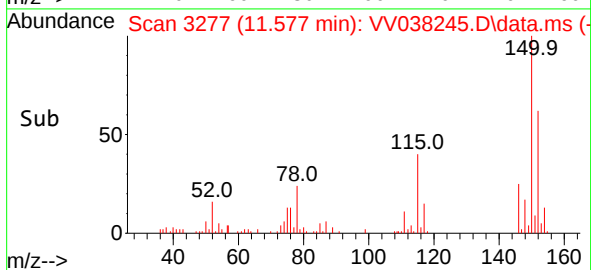
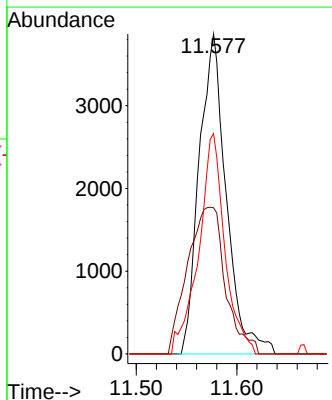
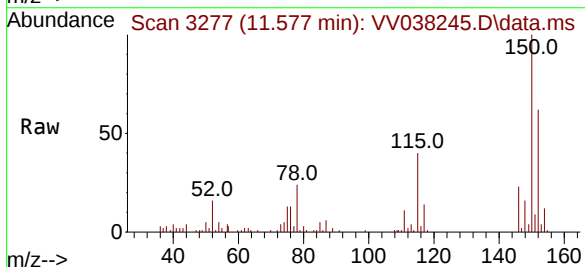
Instrument :
MSVOA_V
ClientSampleId :

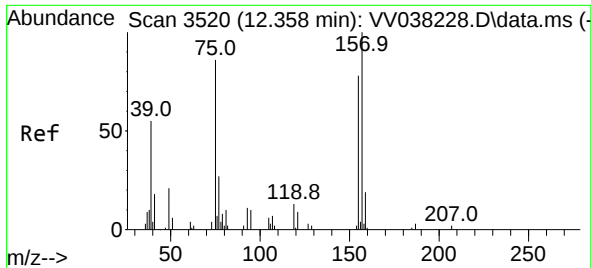
Tgt Ion: 75 Resp: 12897
Ion Ratio Lower Upper
75 100
77 30.8 26.4 39.6
110 1.5 32.3 48.5#



#67
1,2-Dichlorobenzene
Concen: 0.230 ug/L
RT: 11.577 min Scan# 3277
Delta R.T. 0.006 min
Lab File: VV038245.D
Acq: 21 Nov 2024 16:48

Tgt Ion: 146 Resp: 7227
Ion Ratio Lower Upper
146 100
111 45.7 34.2 51.2
148 68.9 51.0 76.4





#68

1,2-Dibromo-3-chloropropane

Concen: 0.162 ug/L

RT: 12.188 min Scan# 34

Delta R.T. -0.171 min

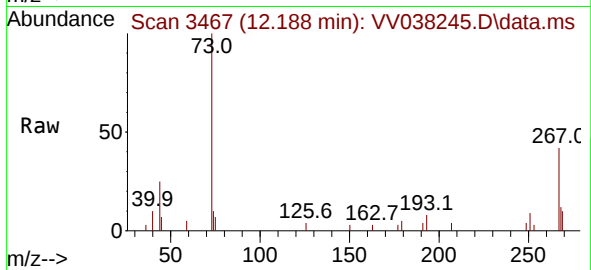
Lab File: VV038245.D

Acq: 21 Nov 2024 16:48

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 75 Resp: 341

Ion Ratio Lower Upper

75 100

155 0.0 67.5 101.3#

157 0.0 82.7 124.1#

