

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040725\
 Data File : VX045631.D
 Acq On : 07 Apr 2025 16:08
 Operator : JC/MD
 Sample : Q1746-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-158-GW01

Quant Time: Apr 08 01:36:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

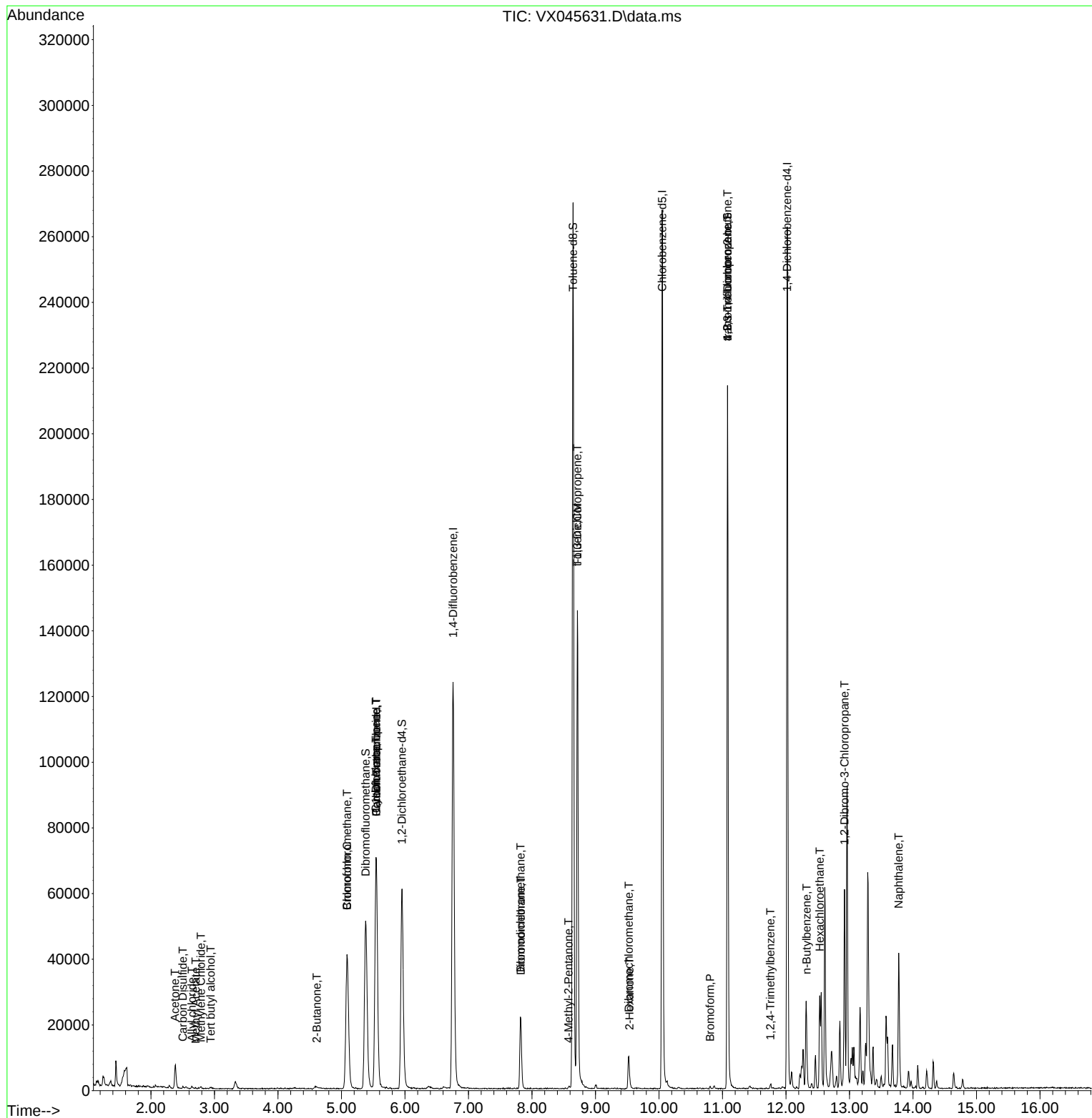
Internal Standards						
1) Pentafluorobenzene	5.550	168	60555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	119845	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111495	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61948	55.940	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.880%			
35) Dibromofluoromethane	5.379	113	44324	52.127	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	8.647	98	152795	51.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.960%			
62) 4-Bromofluorobenzene	11.079	95	55792	51.609	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.220%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.941	59	45	0.302	ug/l #	72
14) Allyl chloride	2.642	41	623	0.452	ug/l #	37
16) Acetone	2.380	43	7924	17.426	ug/l	98
17) Carbon Disulfide	2.502	76	651	0.363	ug/l #	76
18) Methyl Acetate	2.703	43	264	0.252	ug/l #	54
20) Methylene Chloride	2.788	84	276	0.324	ug/l #	91
25) 2-Butanone	4.611	43	1484	2.229	ug/l #	81
28) Bromochloromethane	5.087	49	4715	6.350	ug/l #	18
30) Chloroform	5.087	83	47780	30.219	ug/l	93
31) Cyclohexane	5.544	56	2047	1.507	ug/l #	41
36) 1,1-Dichloropropene	5.544	75	6102	5.315	ug/l #	51
38) Carbon Tetrachloride	5.550	117	7089	5.713	ug/l #	16
46) Dibromomethane	7.824	93	466	0.694	ug/l #	9
47) Bromodichloromethane	7.818	83	14500	10.811	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	474	0.326	ug/l #	39
52) Toluene	8.714	92	52834	24.902	ug/l	100
53) t-1,3-Dichloropropene	8.714	75	738	2.835	ug/l #	1
59) 2-Hexanone	9.537	43	273	0.254	ug/l #	28
60) Dibromochloromethane	9.525	129	4623	5.016	ug/l	95
71) Bromoform	10.805	173	227	0.368	ug/l #	95
76) 1,2,3-Trichloropropane	11.079	75	32796	28.249	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	32796	95.874	ug/l #	1
84) 1,2,4-Trimethylbenzene	11.756	105	1050	0.332	ug/l	93
89) n-Butylbenzene	12.323	91	3790	1.383	ug/l #	24
90) Hexachloroethane	12.530	117	1145	2.108	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	12.921	75	241	0.860	ug/l #	9
95) Naphthalene	13.774	128	24910	7.543	ug/l	98

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

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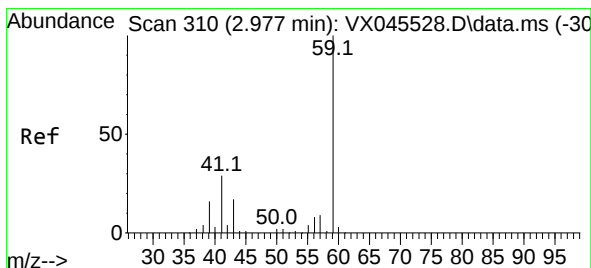
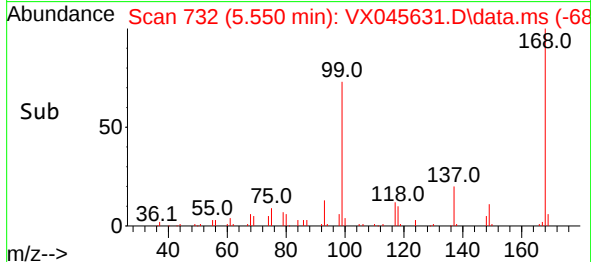
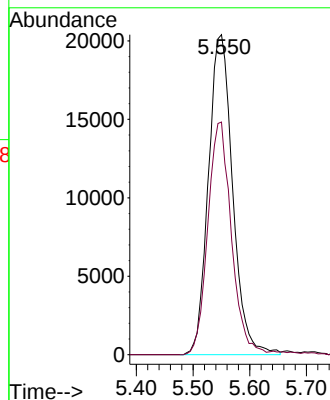
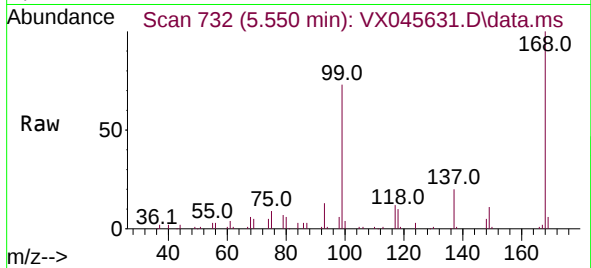




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

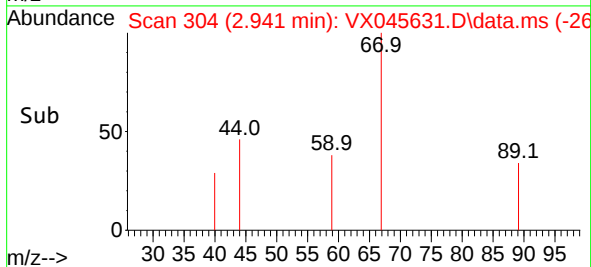
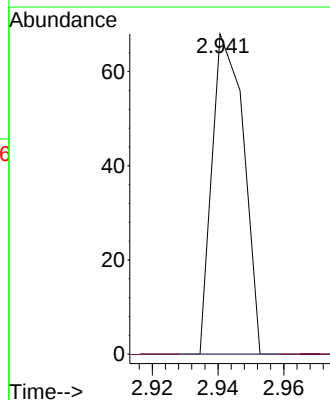
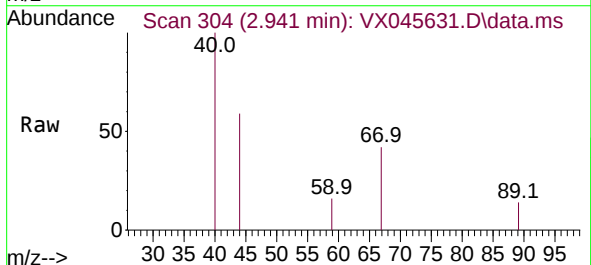
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

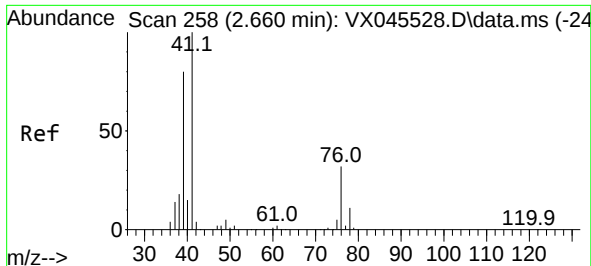
Tgt Ion:168 Resp: 60555
Ion Ratio Lower Upper
168 100
99 72.7 52.3 78.5



#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 59 Resp: 45
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

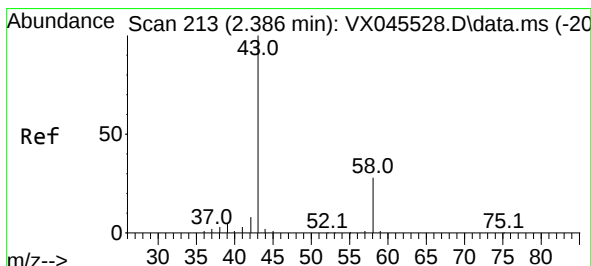
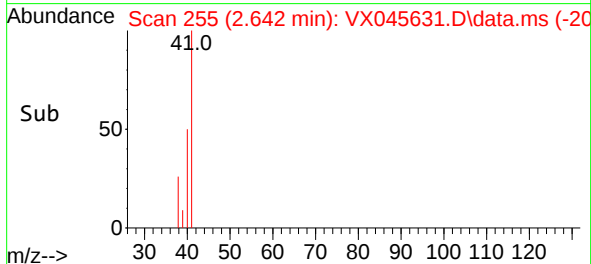
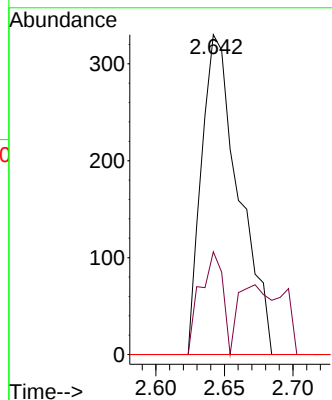
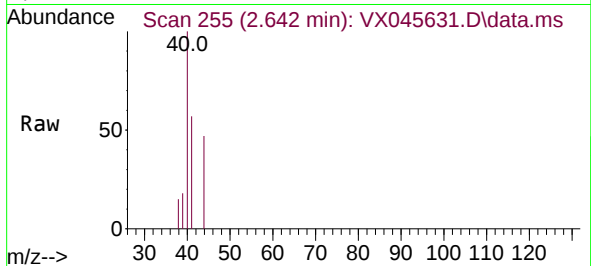




#14
 Allyl chloride
 Concen: 0.452 ug/l
 RT: 2.642 min Scan# 212
 Delta R.T. -0.018 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

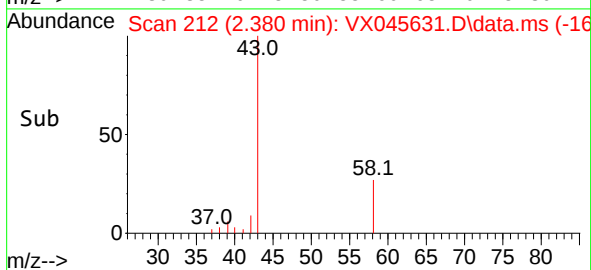
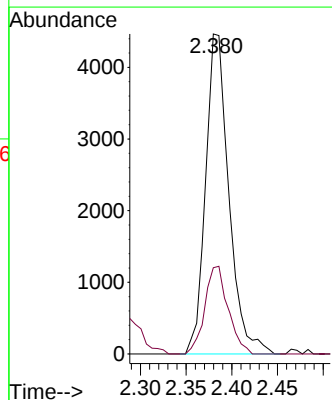
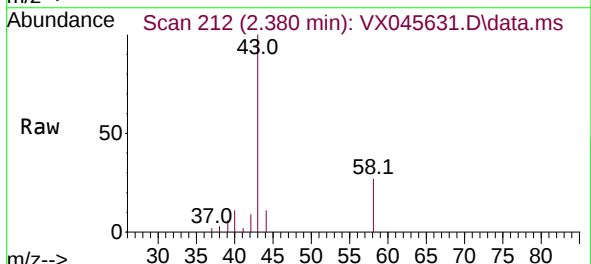
Instrument :
 MSVOA_X
 ClientSampleId :
 B-158-GW01

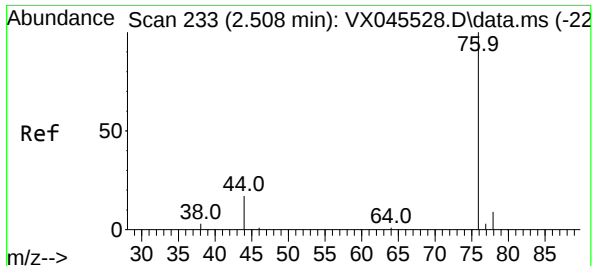
Tgt Ion: 41 Resp: 623
 Ion Ratio Lower Upper
 41 100
 39 19.4 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 17.426 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.006 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

Tgt Ion: 43 Resp: 7924
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.3 33.5





#17

Carbon Disulfide

Concen: 0.363 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX045631.D

Acq: 07 Apr 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

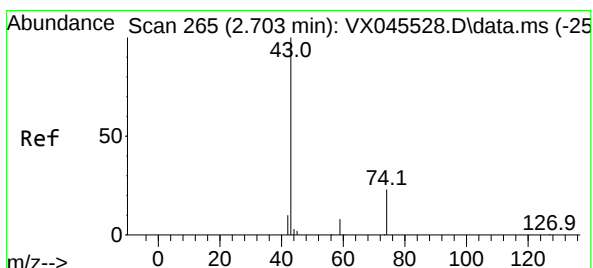
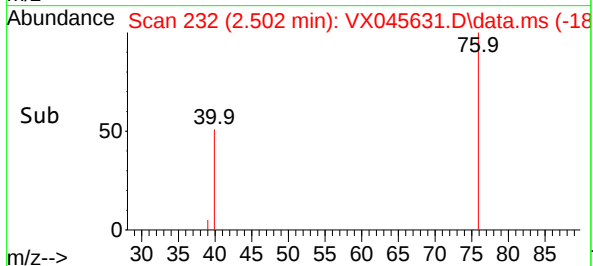
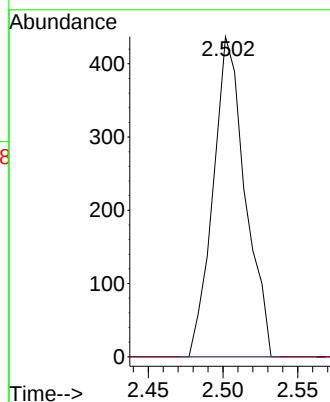
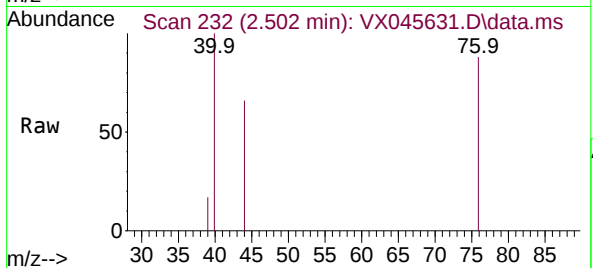
B-158-GW01

Tgt Ion: 76 Resp: 651

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.252 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX045631.D

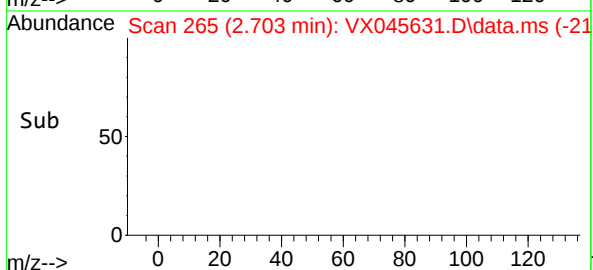
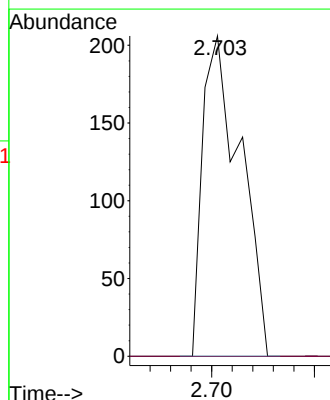
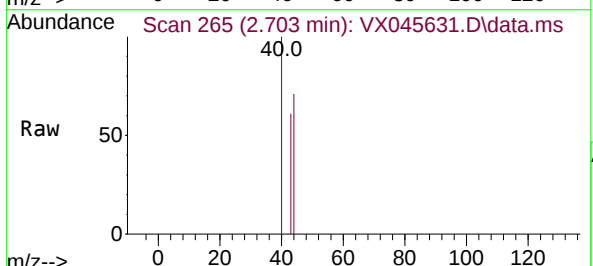
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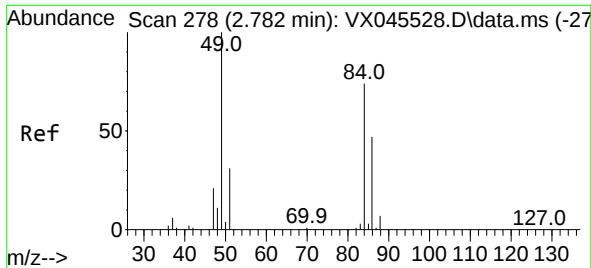
Tgt Ion: 43 Resp: 264

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



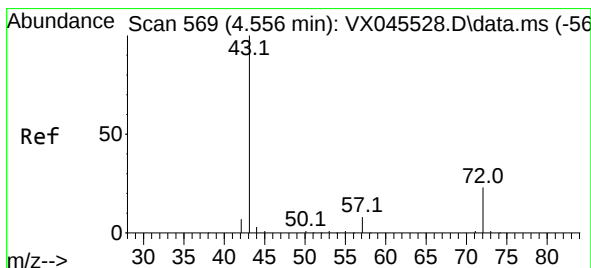
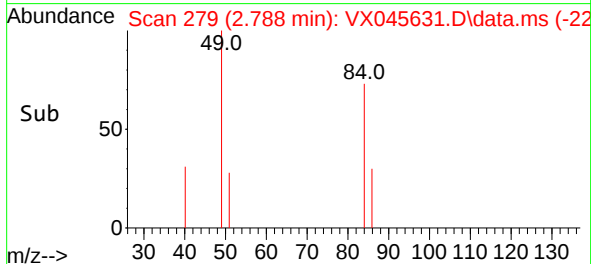
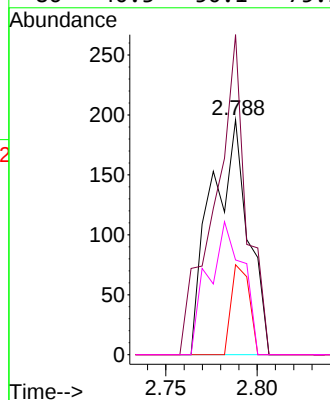
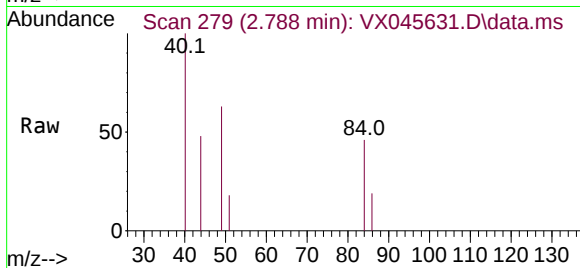


#20
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

Tgt Ion: 84 Resp: 276

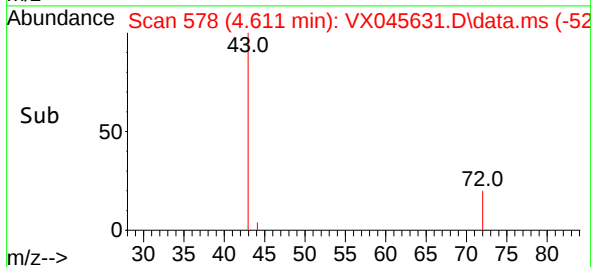
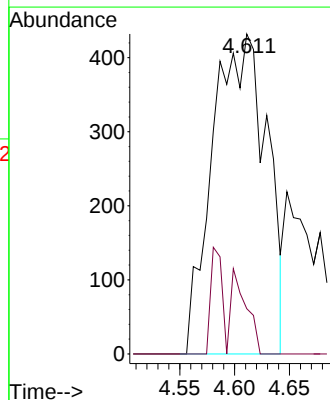
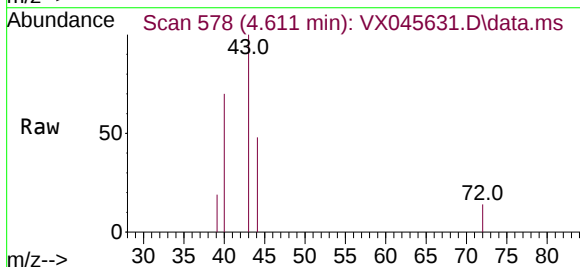
Ion	Ratio	Lower	Upper
84	100		
49	136.2	107.5	161.3
51	38.3	33.0	49.6
86	40.3	50.1	75.1

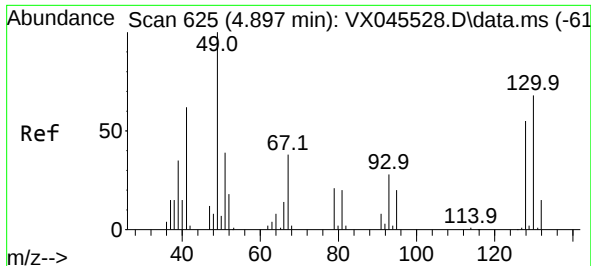


#25
2-Butanone
Concen: 2.229 ug/l
RT: 4.611 min Scan# 578
Delta R.T. 0.055 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 43 Resp: 1484

Ion	Ratio	Lower	Upper
43	100		
72	14.1	18.6	28.0

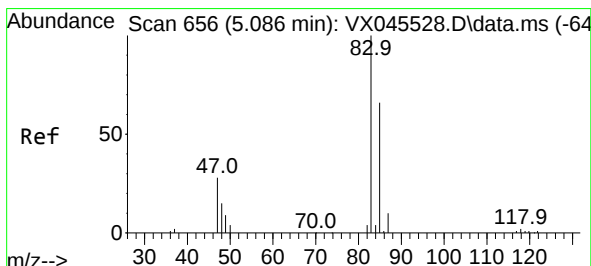
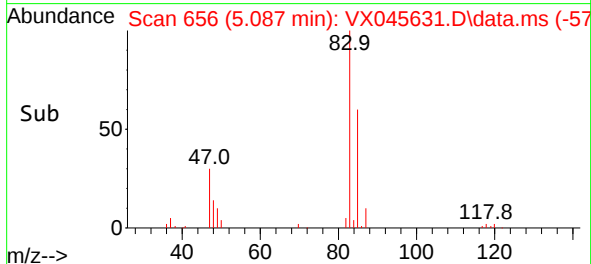
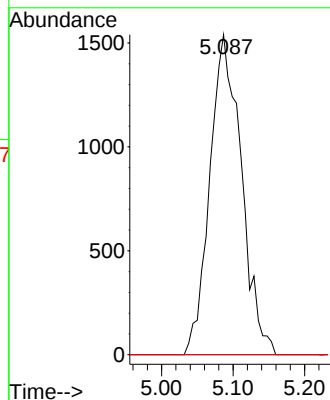
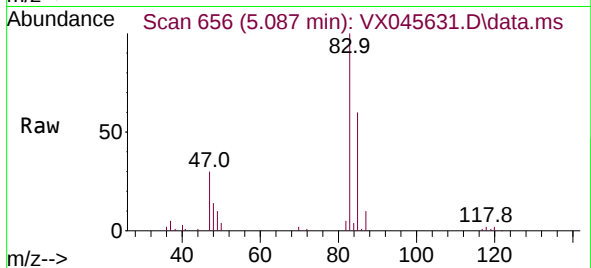




#28
Bromochloromethane
Concen: 6.350 ug/l
RT: 5.087 min Scan# 61
Delta R.T. 0.189 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

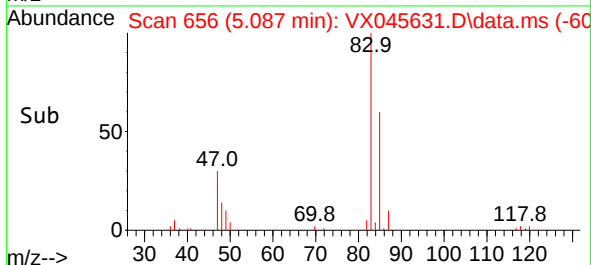
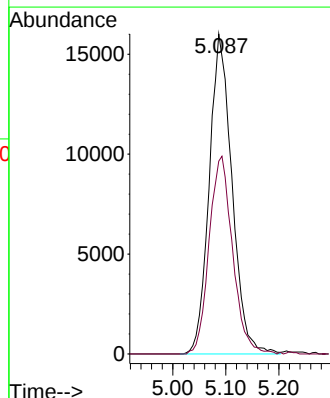
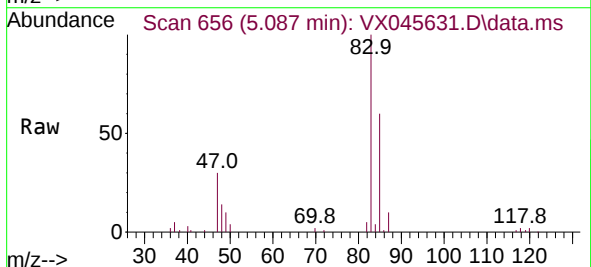
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

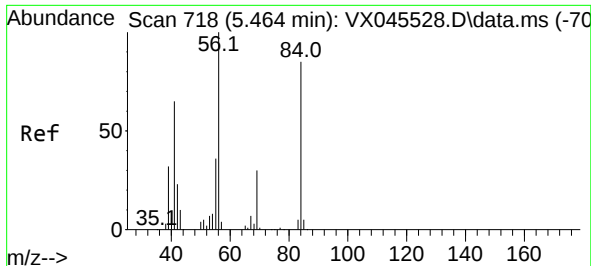
Tgt Ion: 49 Resp: 4715
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 54.6 81.8#



#30
Chloroform
Concen: 30.219 ug/l
RT: 5.087 min Scan# 656
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

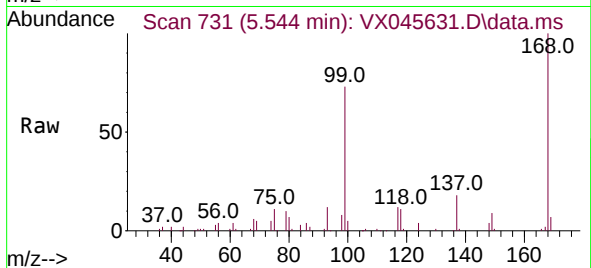
Tgt Ion: 83 Resp: 47780
Ion Ratio Lower Upper
83 100
85 60.2 52.8 79.2



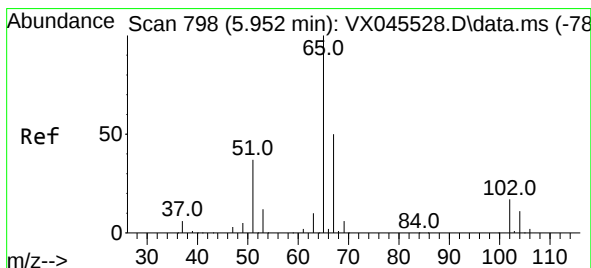
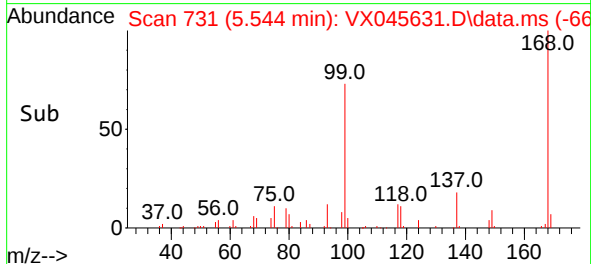
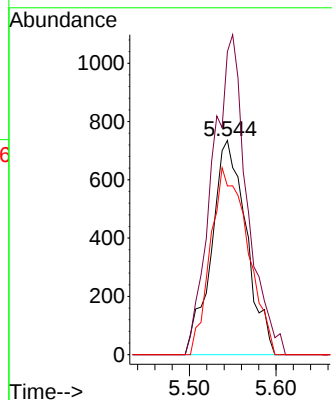


#31
Cyclohexane
Concen: 1.507 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

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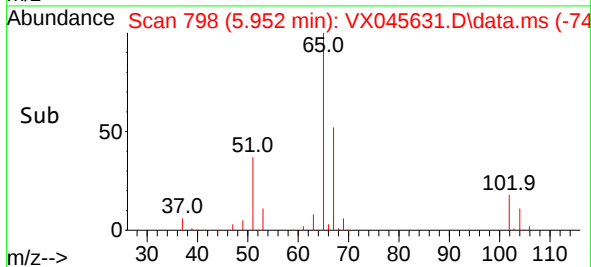
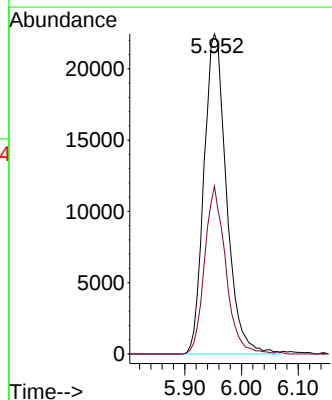
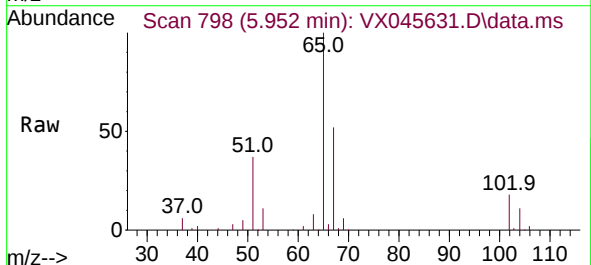


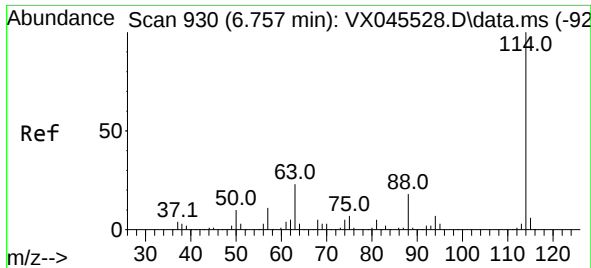
Tgt Ion: 56 Resp: 2047
Ion Ratio Lower Upper
56 100
69 141.5 23.6 35.4#
84 78.8 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 55.940 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 65 Resp: 61948
Ion Ratio Lower Upper
65 100
67 49.2 0.0 99.0

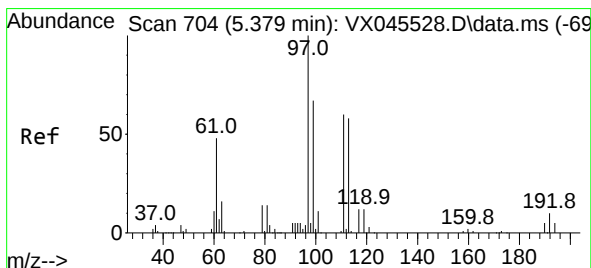
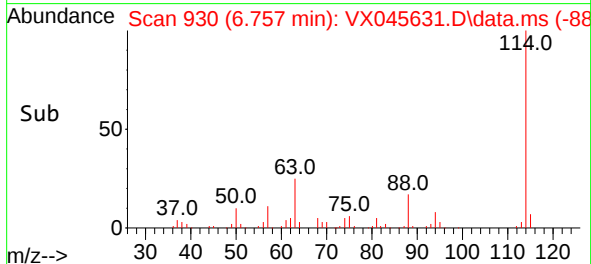
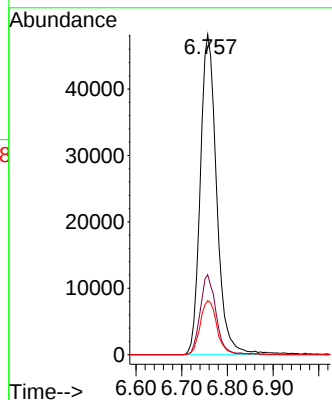
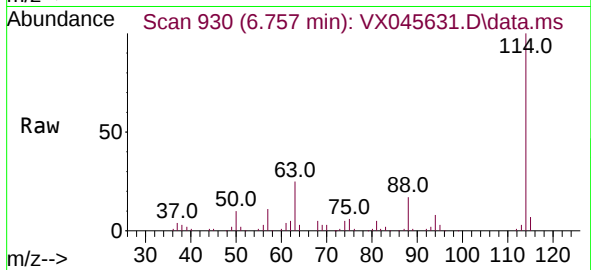




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

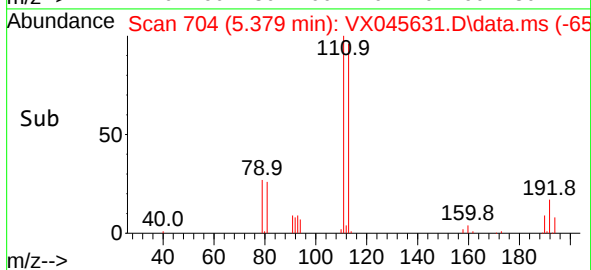
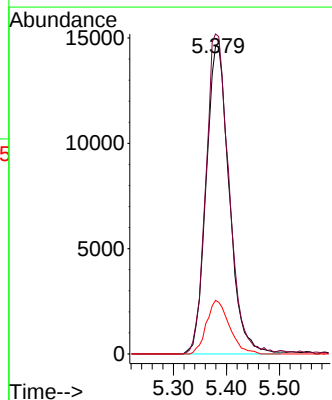
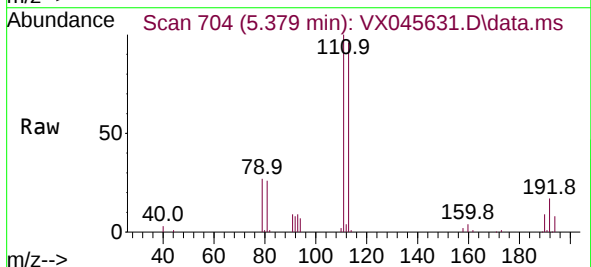
Instrument :
 MSVOA_X
 ClientSampleId :
 B-158-GW01

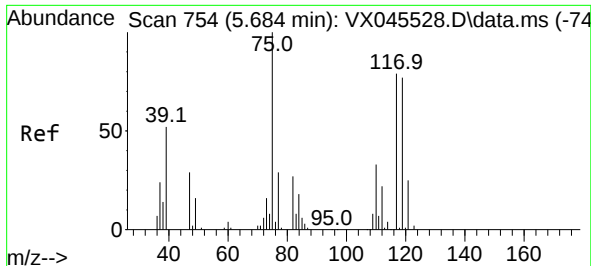
Tgt Ion:114 Resp: 119845
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 46.8
 88 16.9 0.0 35.4



#35
 Dibromofluoromethane
 Concen: 52.127 ug/l
 RT: 5.379 min Scan# 704
 Delta R.T. 0.000 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

Tgt Ion:113 Resp: 44324
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.6
 192 17.2 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.315 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045631.D

Acq: 07 Apr 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

B-158-GW01

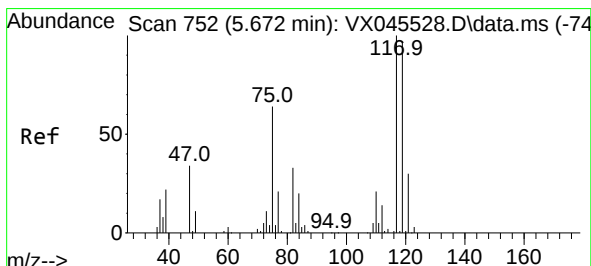
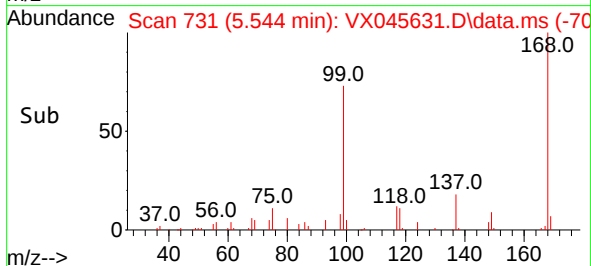
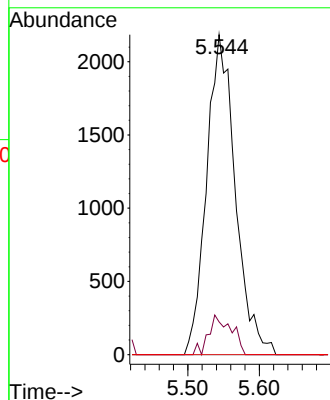
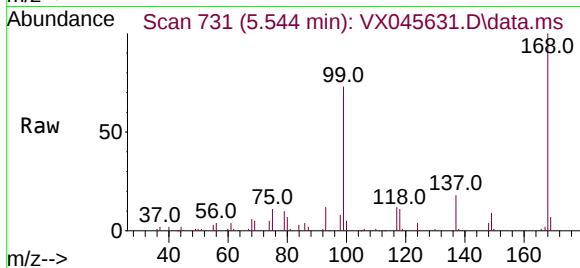
Tgt Ion: 75 Resp: 6102

Ion Ratio Lower Upper

75 100

110 9.9 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.713 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045631.D

Acq: 07 Apr 2025 16:08

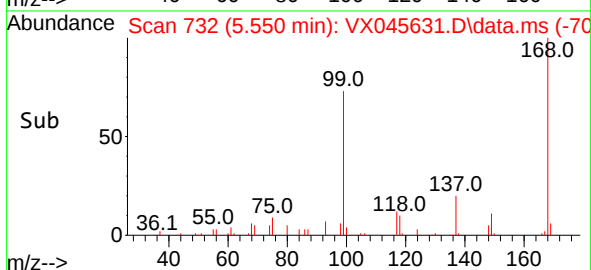
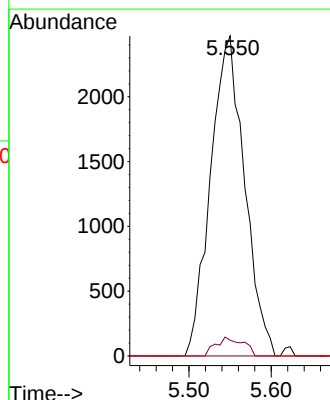
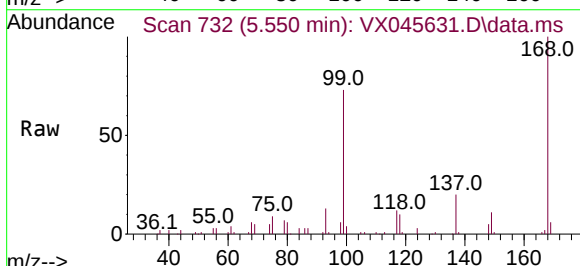
Tgt Ion: 117 Resp: 7089

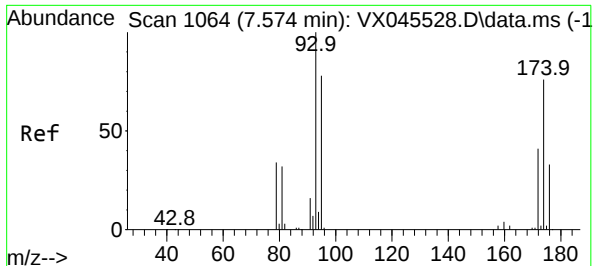
Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

121 0.0 24.2 36.2#

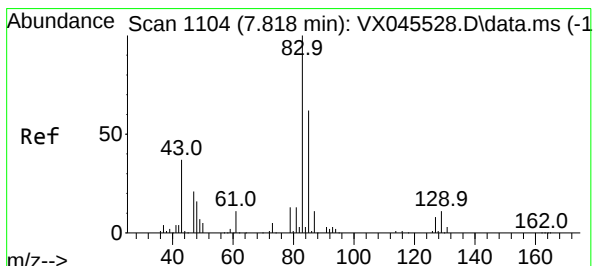
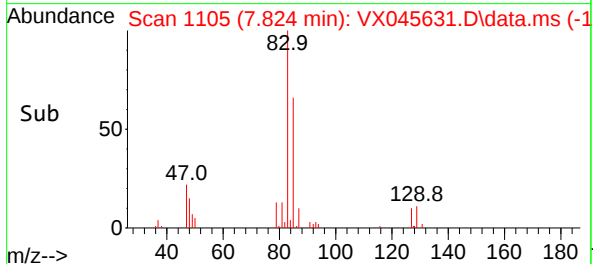
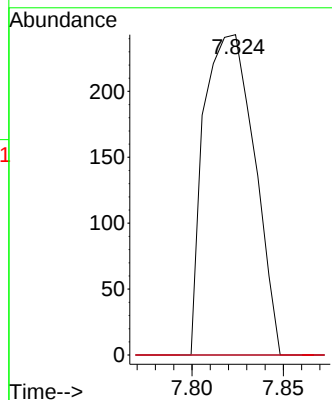
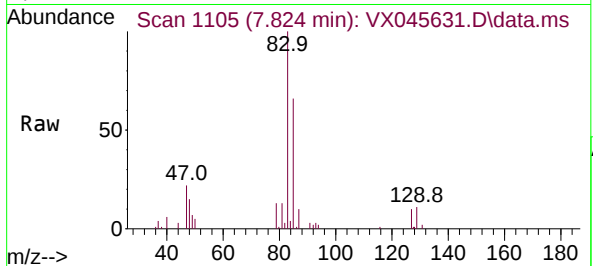




#46
Dibromomethane
Concen: 0.694 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.250 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

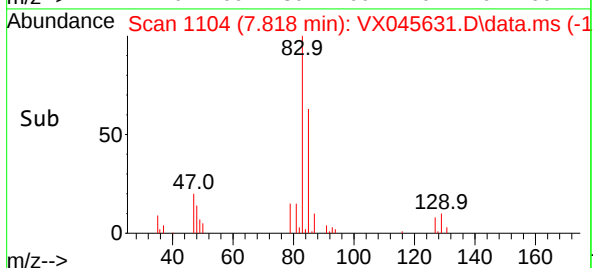
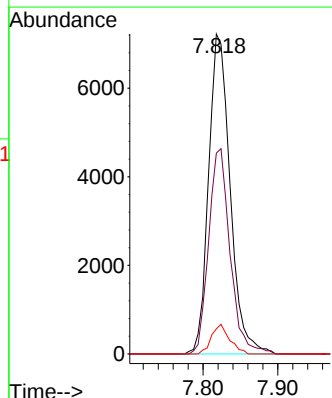
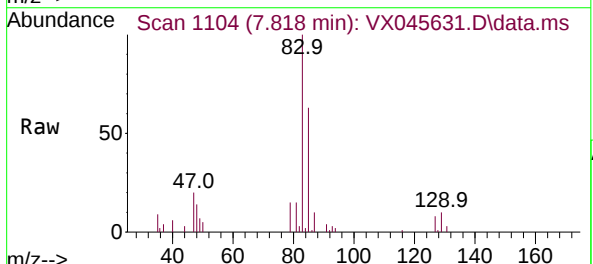
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

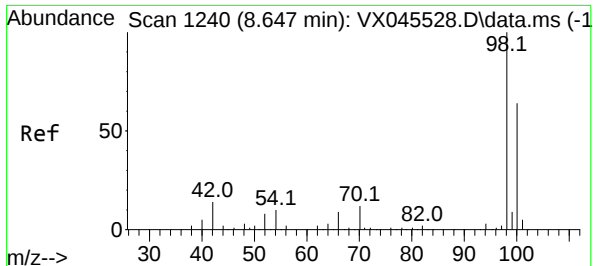
Tgt Ion: 93 Resp: 466
Ion Ratio Lower Upper
93 100
95 0.0 64.8 97.2#
174 0.0 65.4 98.0#



#47
Bromodichloromethane
Concen: 10.811 ug/l
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 83 Resp: 14500
Ion Ratio Lower Upper
83 100
85 62.8 49.7 74.5
127 7.9 6.1 9.1

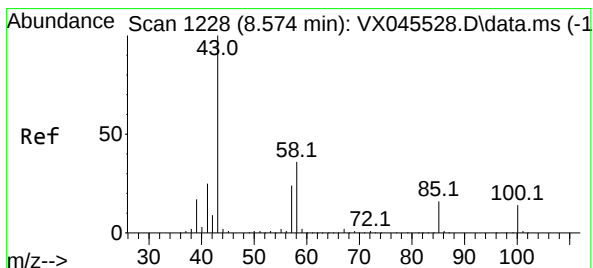
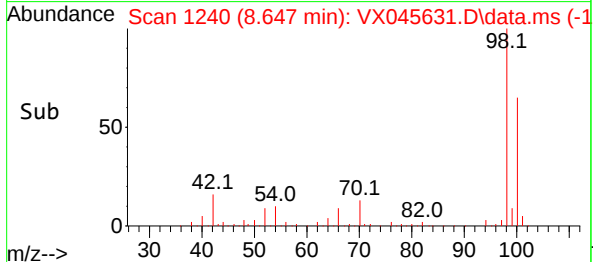
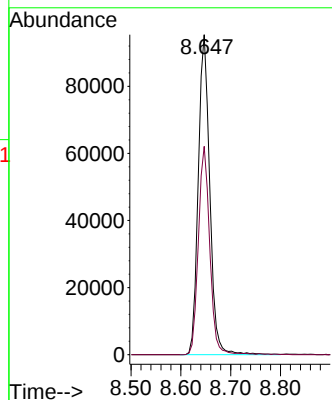
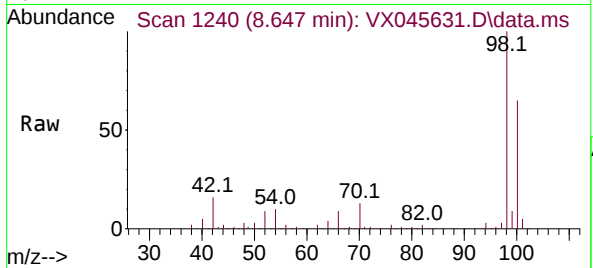




#50
Toluene-d8
Concen: 51.483 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

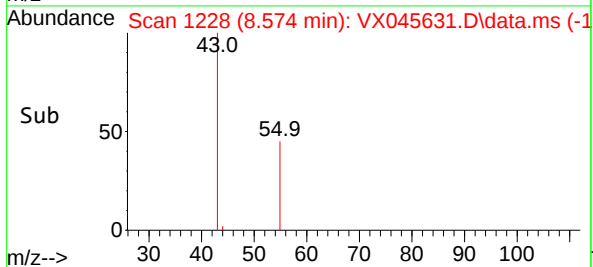
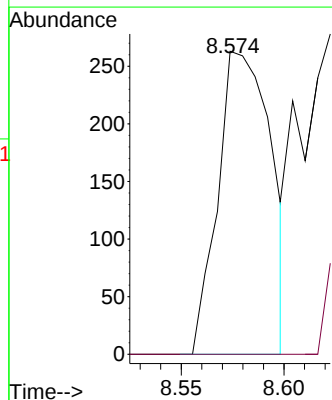
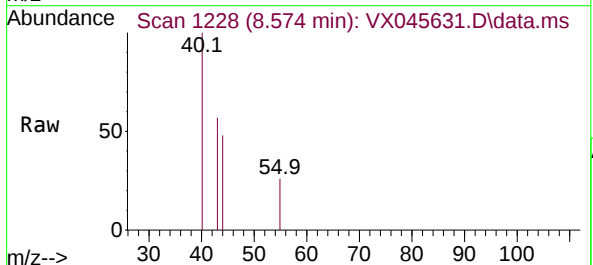
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

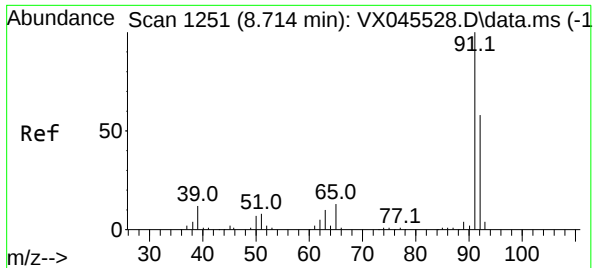
Tgt Ion: 98 Resp: 152795
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.326 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 43 Resp: 474
Ion Ratio Lower Upper
43 100
58 0.0 28.5 42.7#

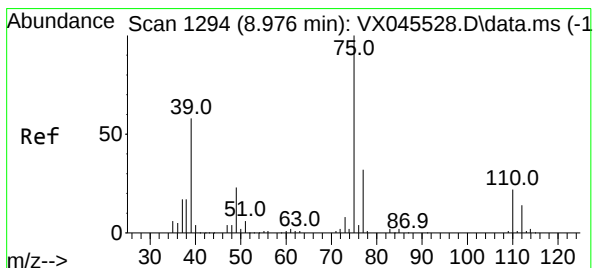
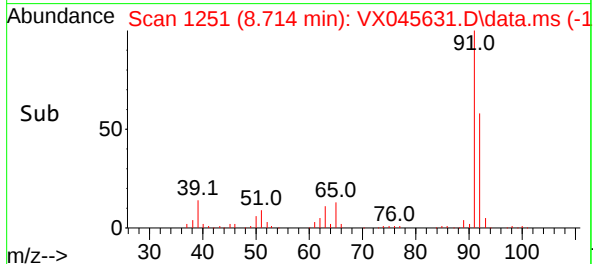
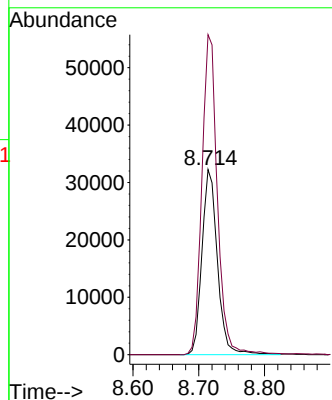
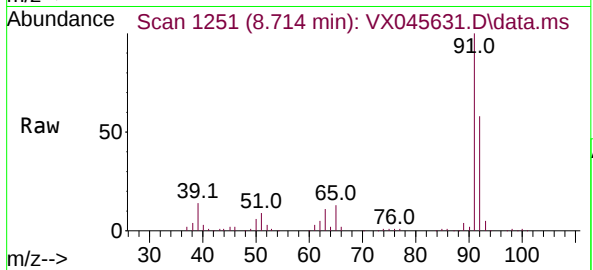




#52
Toluene
Concen: 24.902 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

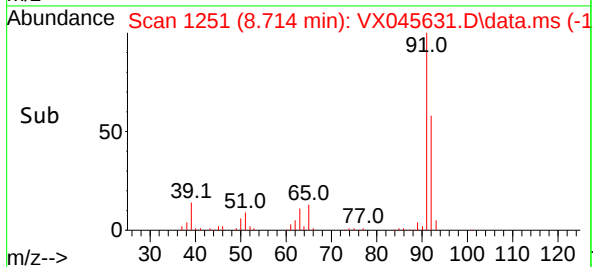
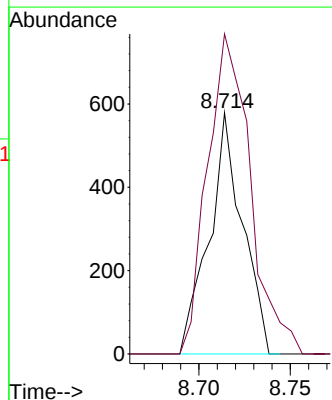
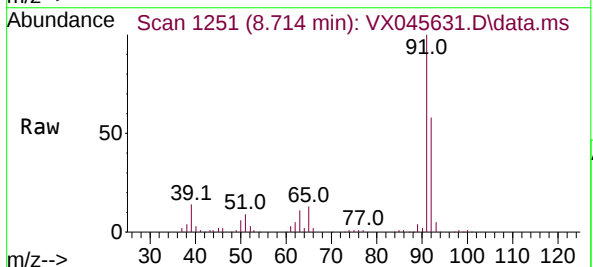
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

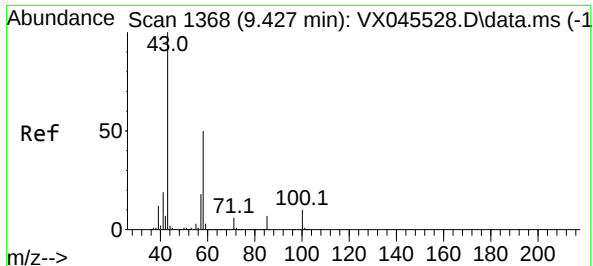
Tgt Ion: 92 Resp: 52834
Ion Ratio Lower Upper
92 100
91 173.2 138.7 208.1



#53
t-1,3-Dichloropropene
Concen: 2.835 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 75 Resp: 738
Ion Ratio Lower Upper
75 100
77 132.6 25.4 38.0#

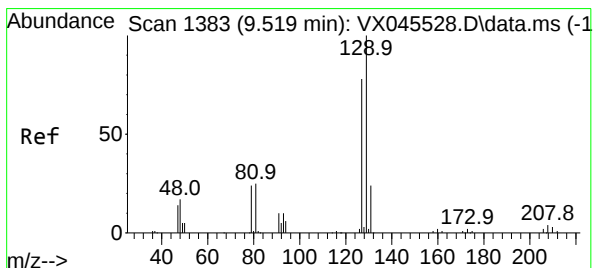
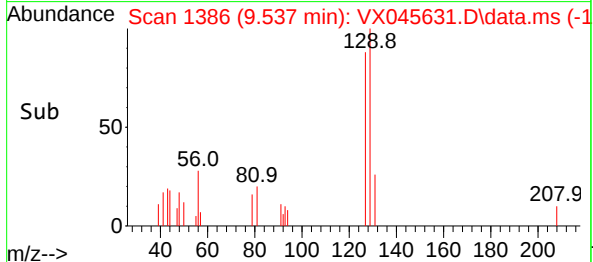
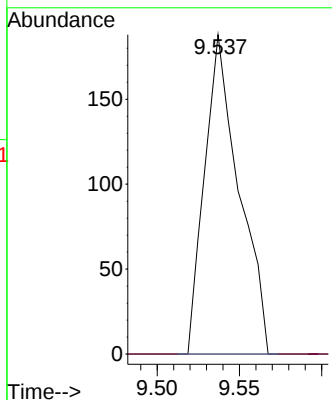
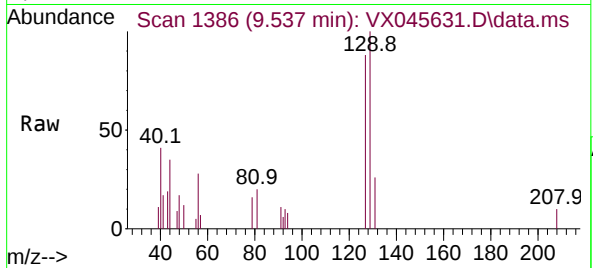




#59
2-Hexanone
Concen: 0.254 ug/l
RT: 9.537 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

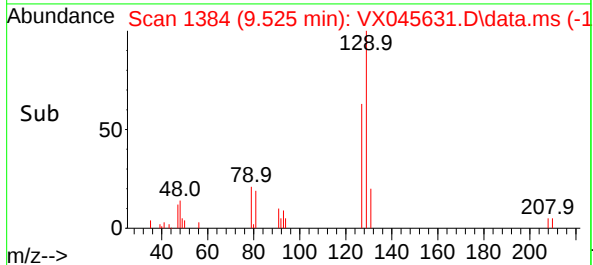
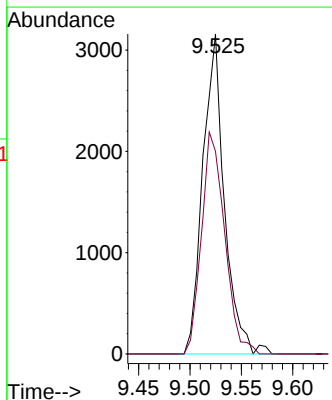
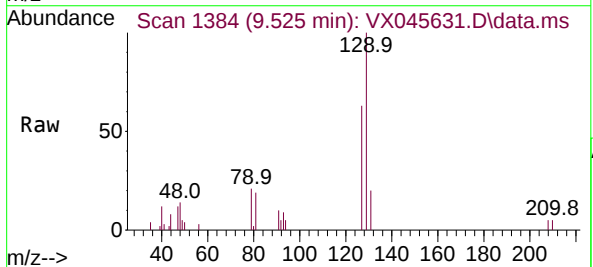
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

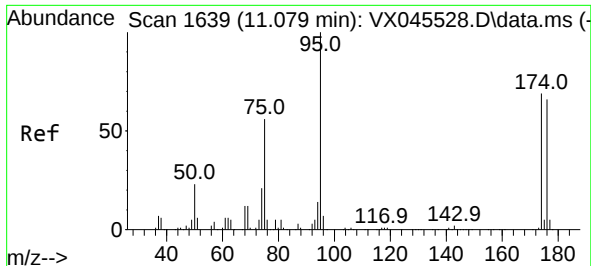
Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#60
Dibromochloromethane
Concen: 5.016 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 129 Resp: 4623
Ion Ratio Lower Upper
129 100
127 74.2 39.4 118.2

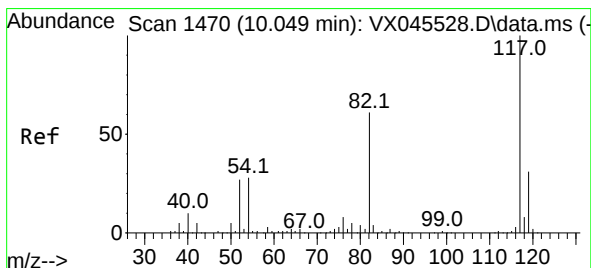
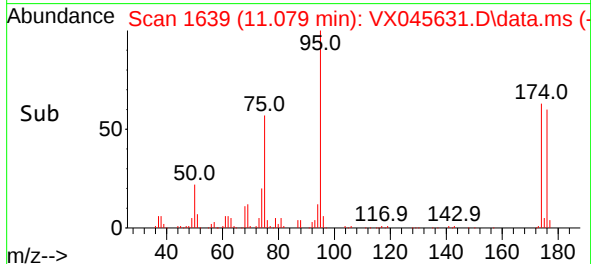
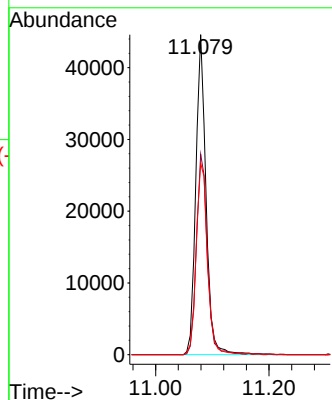
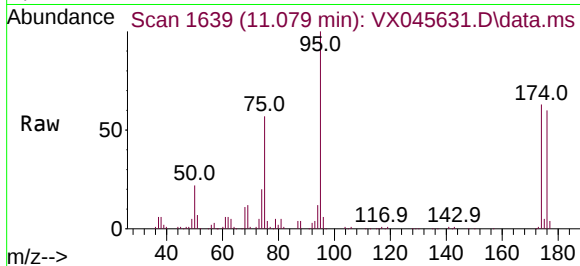




#62
4-Bromofluorobenzene
Concen: 51.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

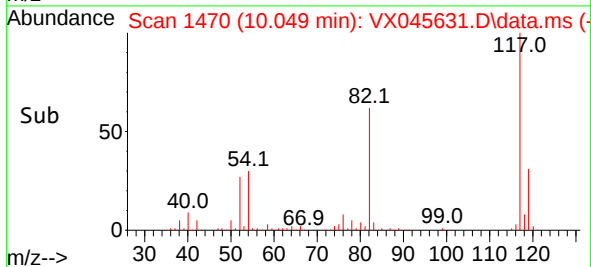
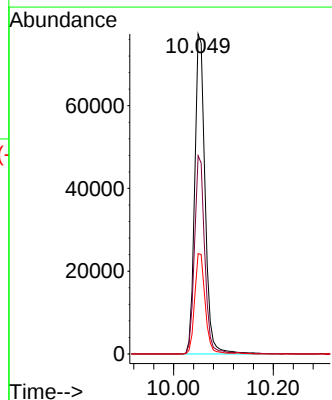
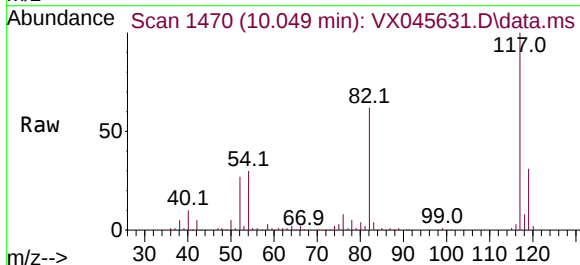
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

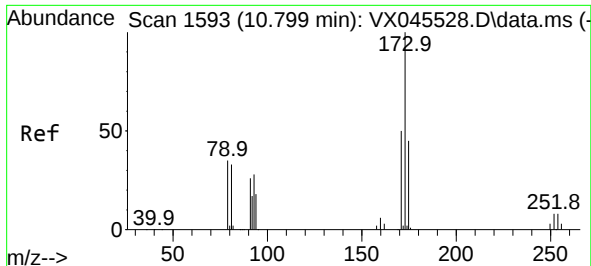
Tgt Ion: 95 Resp: 55792
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.8
176 65.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 117 Resp: 111495
Ion Ratio Lower Upper
117 100
82 62.0 49.2 73.8
119 31.3 25.1 37.7

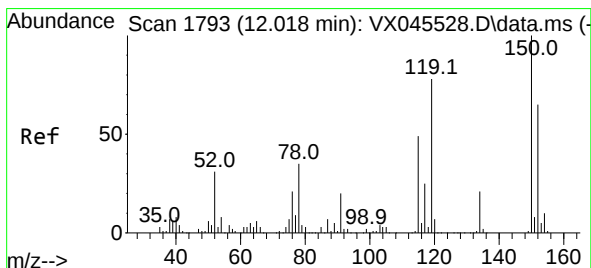
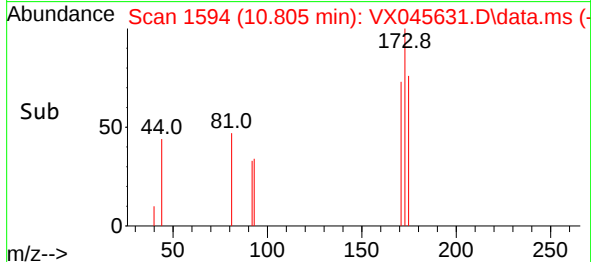
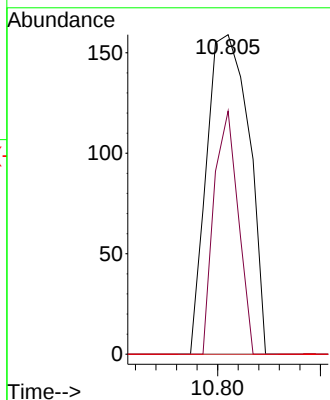
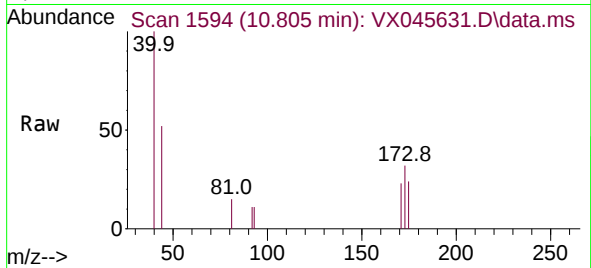




#71
Bromoform
Concen: 0.368 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.006 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

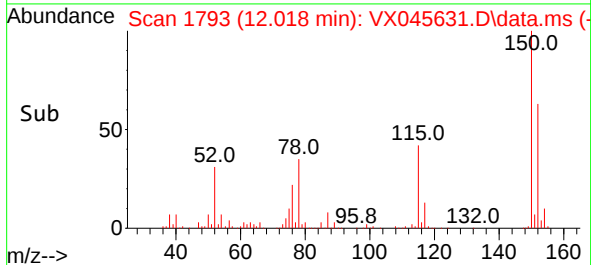
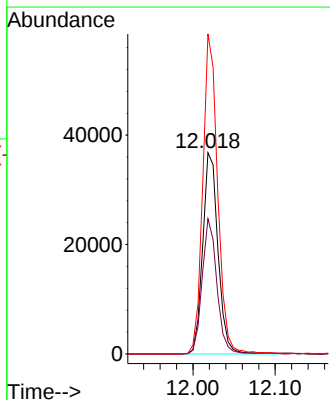
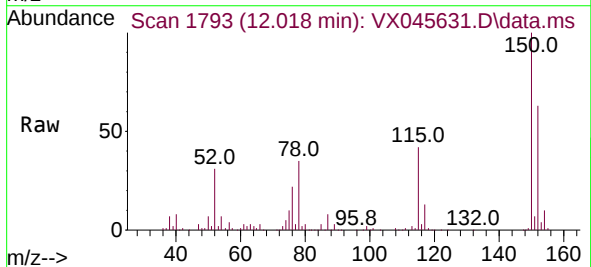
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

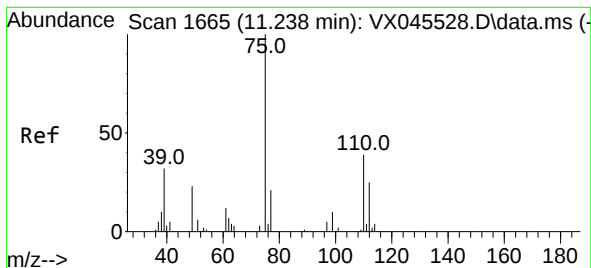
Tgt Ion:173 Resp: 227
Ion Ratio Lower Upper
173 100
175 43.6 23.4 70.2
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion:152 Resp: 47595
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 155.0 0.0 349.4

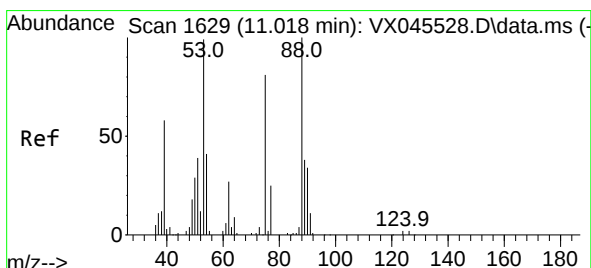
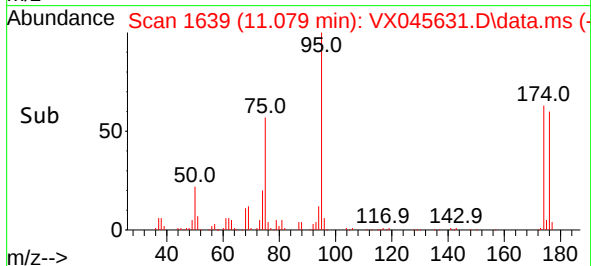
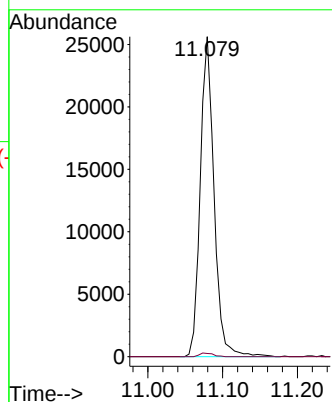
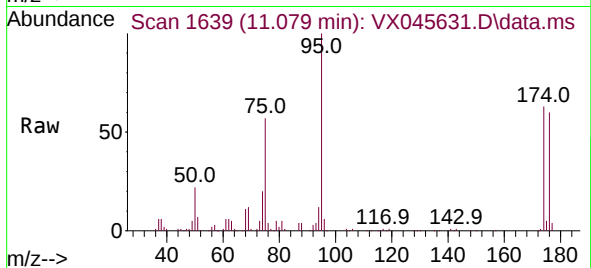




#76
1,2,3-Trichloropropane
Concen: 28.249 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

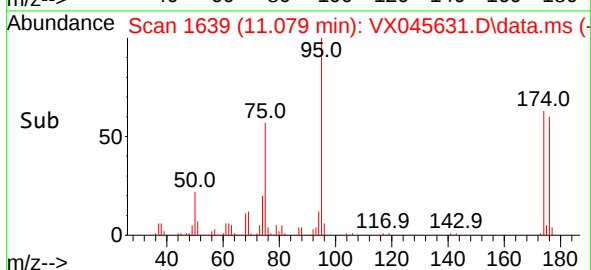
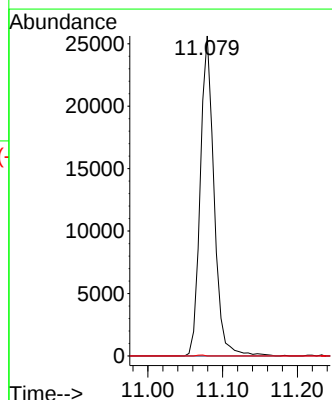
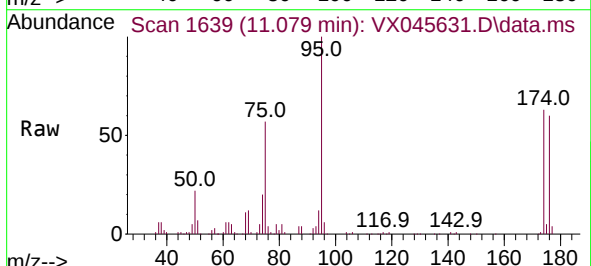
Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01

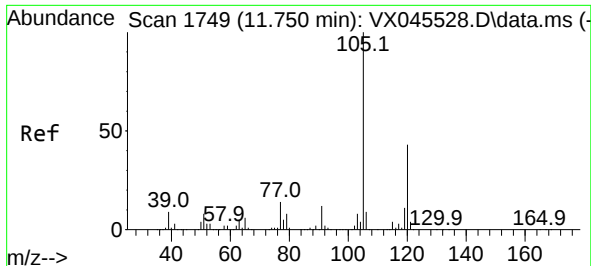
Tgt Ion: 75 Resp: 32796
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Tgt Ion: 75 Resp: 32796
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.2 37.2 55.8#

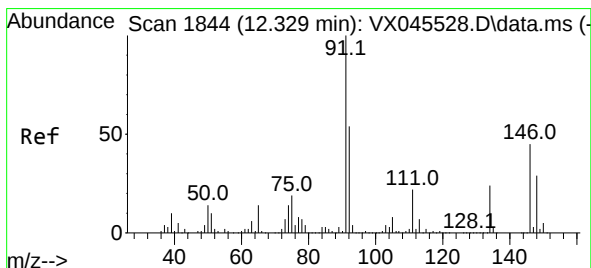
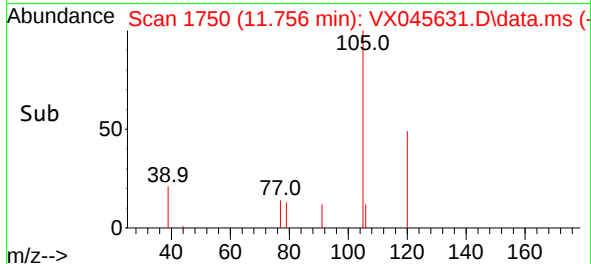
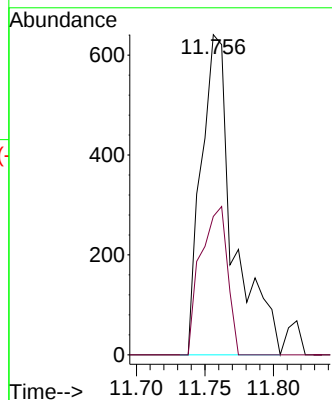
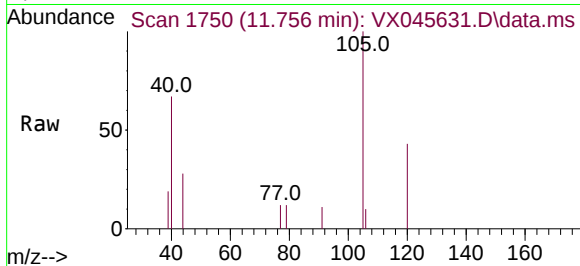




#84
 1,2,4-Trimethylbenzene
 Concen: 0.332 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

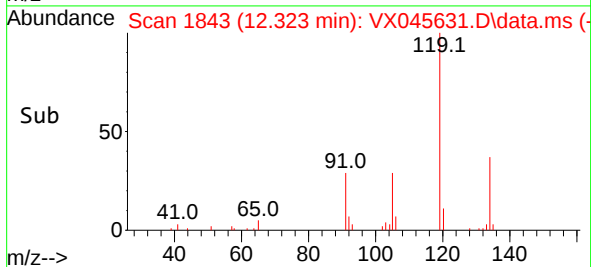
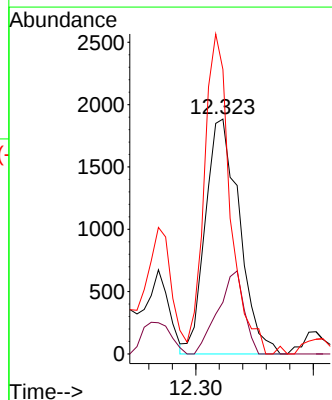
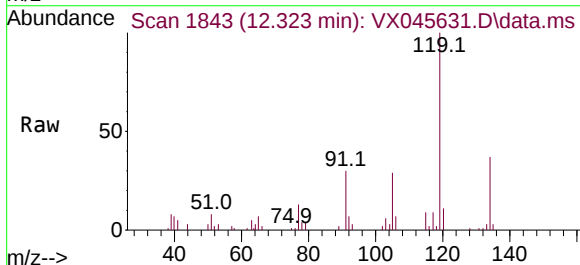
Instrument :
 MSVOA_X
 ClientSampleId :
 B-158-GW01

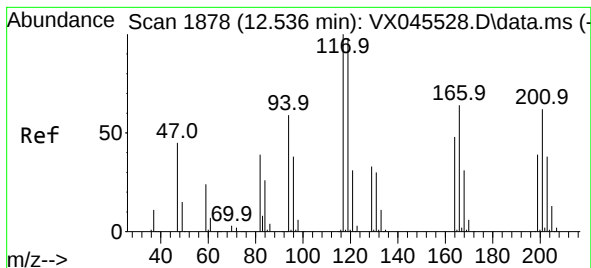
Tgt Ion:105 Resp: 1050
 Ion Ratio Lower Upper
 105 100
 120 38.5 21.4 64.3



#89
 n-Butylbenzene
 Concen: 1.383 ug/l
 RT: 12.323 min Scan# 1843
 Delta R.T. -0.006 min
 Lab File: VX045631.D
 Acq: 07 Apr 2025 16:08

Tgt Ion: 91 Resp: 3790
 Ion Ratio Lower Upper
 91 100
 92 27.0 26.9 80.6
 134 103.9 11.9 35.7#





#90

Hexachloroethane

Concen: 2.108 ug/l

RT: 12.530 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VX045631.D

Acq: 07 Apr 2025 16:08

Instrument :

MSVOA_X

ClientSampleId :

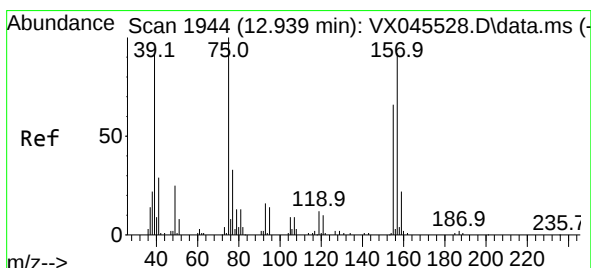
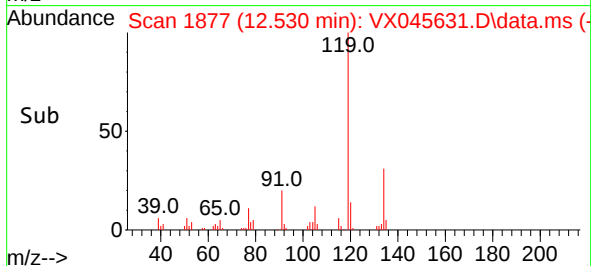
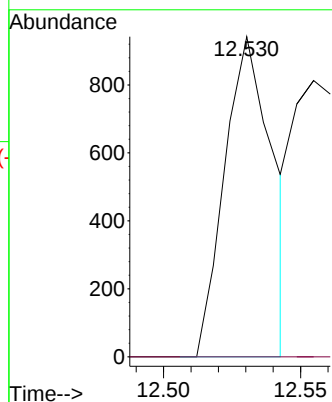
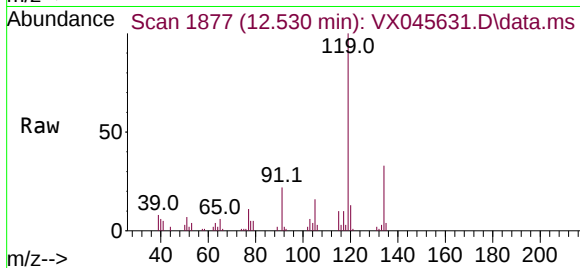
B-158-GW01

Tgt Ion:117 Resp: 1145

Ion Ratio Lower Upper

117 100

201 0.0 31.2 93.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.860 ug/l

RT: 12.921 min Scan# 1941

Delta R.T. -0.018 min

Lab File: VX045631.D

Acq: 07 Apr 2025 16:08

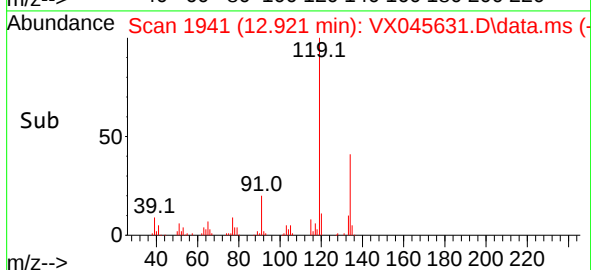
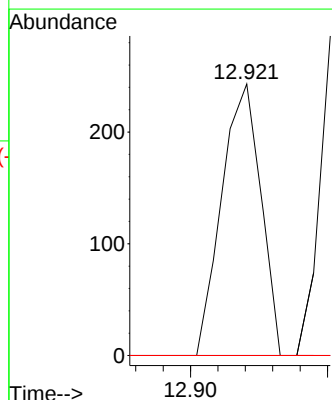
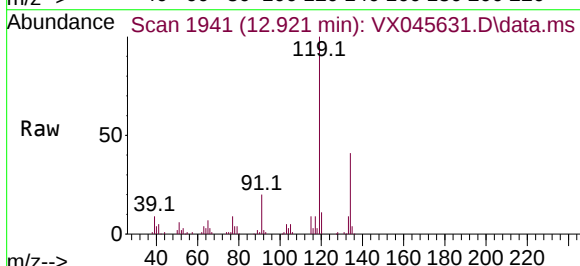
Tgt Ion: 75 Resp: 241

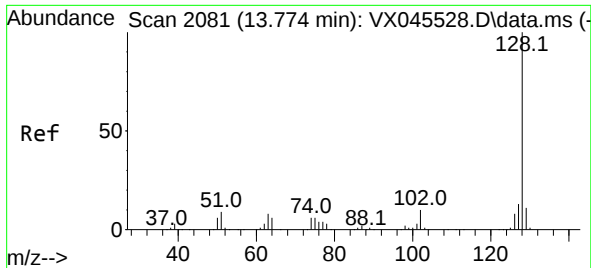
Ion Ratio Lower Upper

75 100

155 0.0 34.9 104.7#

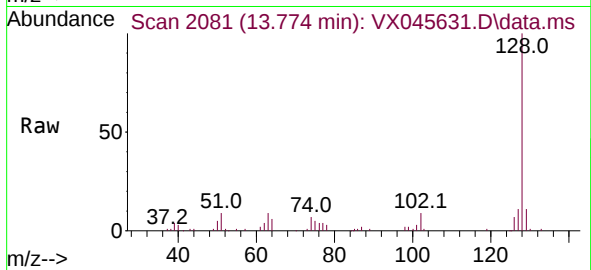
157 0.0 44.9 134.7#





#95
Naphthalene
Concen: 7.543 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX045631.D
Acq: 07 Apr 2025 16:08

Instrument :
MSVOA_X
ClientSampleId :
B-158-GW01



Tgt Ion:128 Resp: 24910
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.5 8.6 12.8

