

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048565.D
 Acq On : 12 Nov 2025 10:00
 Operator : JC/MD
 Sample : VX1112WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

Quant Time: Nov 14 00:24:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

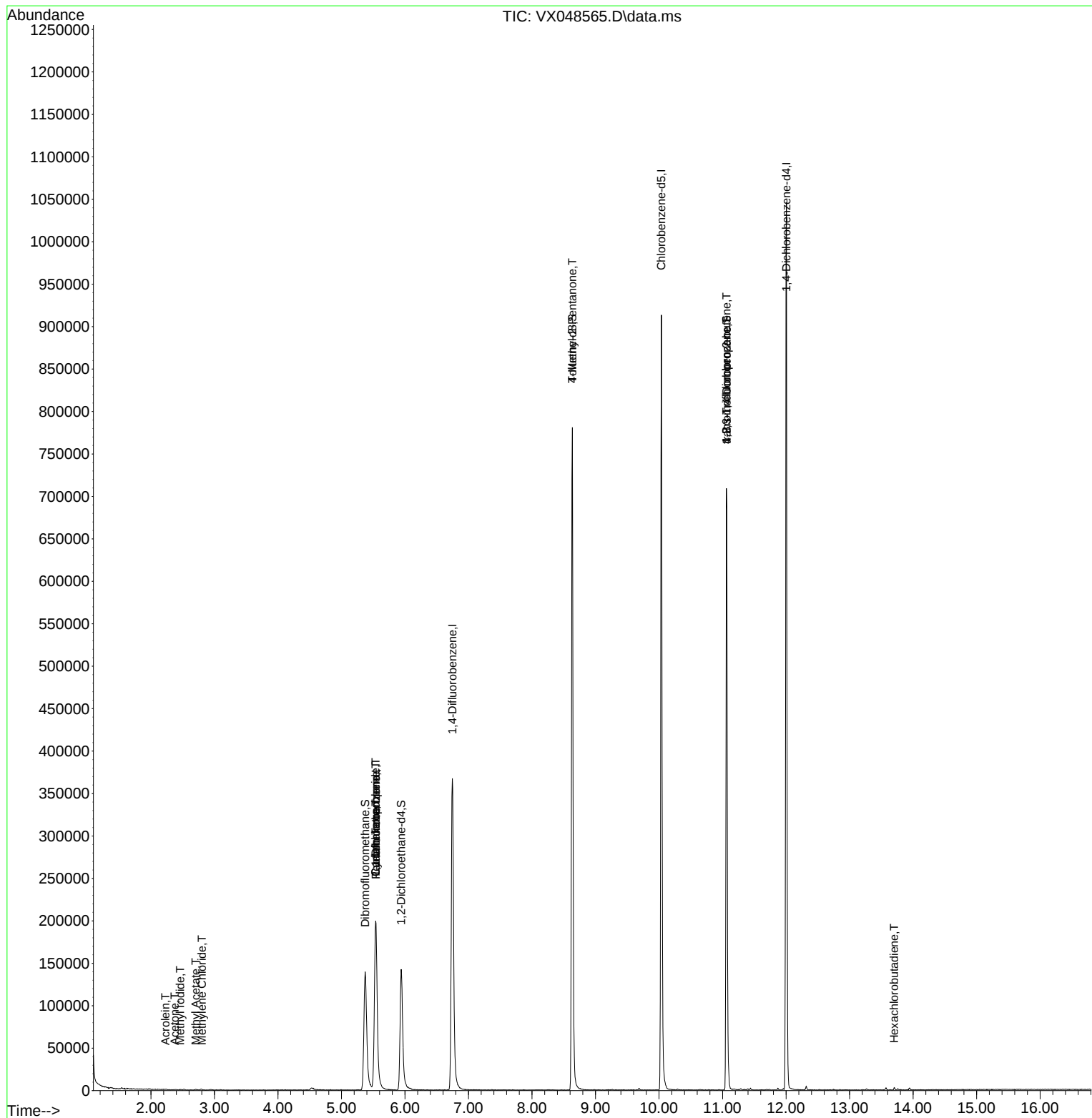
Internal Standards						
1) Pentafluorobenzene	5.544	168	211958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	425634	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	439104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	232670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	155679	52.711	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.420%			
35) Dibromofluoromethane	5.373	113	141136	43.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 87.620%			
50) Toluene-d8	8.635	98	501066	49.871	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.061	95	208089	55.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.160%			
Target Compounds						Qvalue
10) Methyl Iodide	2.459	142	750	0.215	ug/l #	87
13) Acrolein	2.227	56	111	1.371	ug/l #	51
16) Acetone	2.373	43	620	0.443	ug/l	94
18) Methyl Acetate	2.703	43	999	0.260	ug/l #	83
20) Methylene Chloride	2.800	84	590	0.205	ug/l #	62
31) Cyclohexane	5.538	56	4008	1.011	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	16774	3.889	ug/l #	49
38) Carbon Tetrachloride	5.538	117	21227	4.323	ug/l #	16
51) 4-Methyl-2-Pentanone	8.635	43	2239	0.461	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	104024	18.558	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	104024	53.082	ug/l #	12
94) Hexachlorobutadiene	13.701	225	503	0.231	ug/l	91

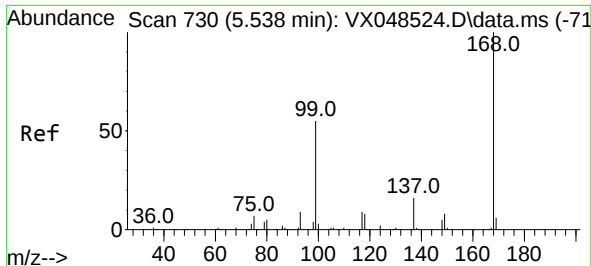
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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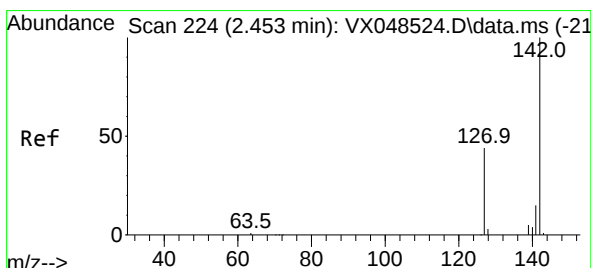
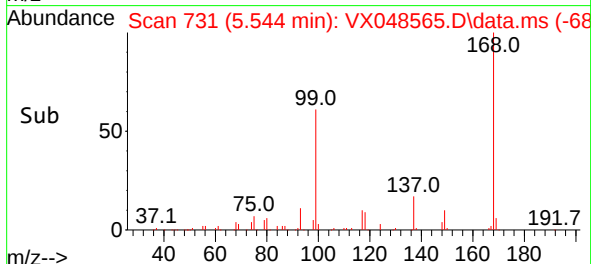
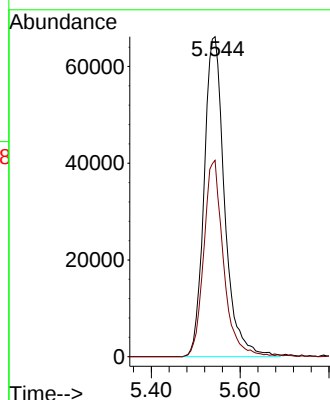
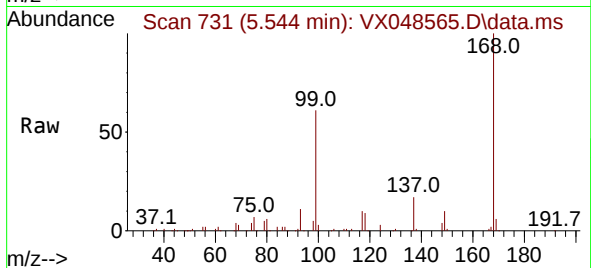




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

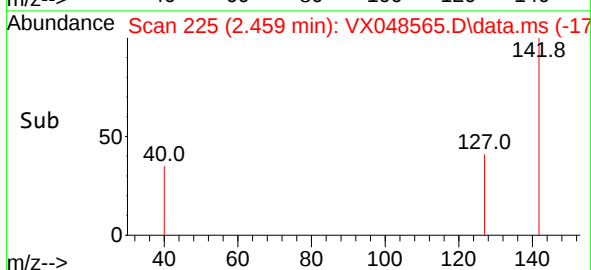
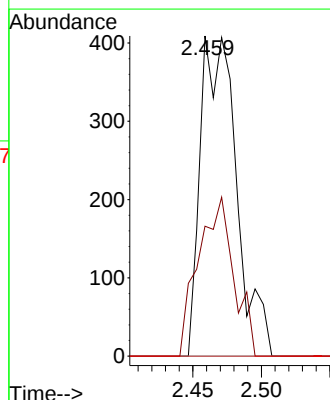
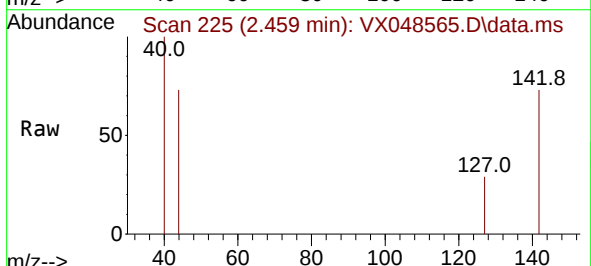
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

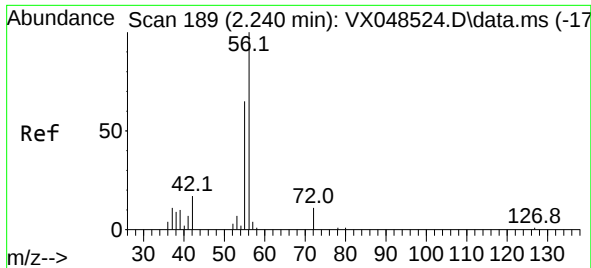
Tgt Ion:168 Resp: 211958
Ion Ratio Lower Upper
168 100
99 61.4 45.2 67.8



#10
Methyl Iodide
Concen: 0.215 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion:142 Resp: 750
Ion Ratio Lower Upper
142 100
127 48.8 35.8 53.6
141 0.0 11.4 17.0#

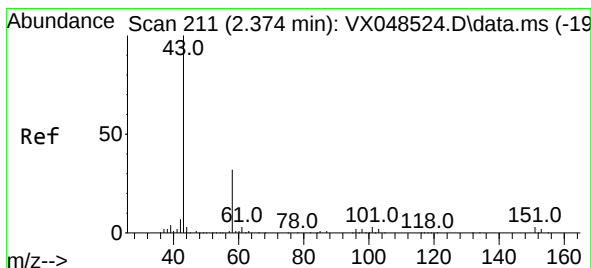
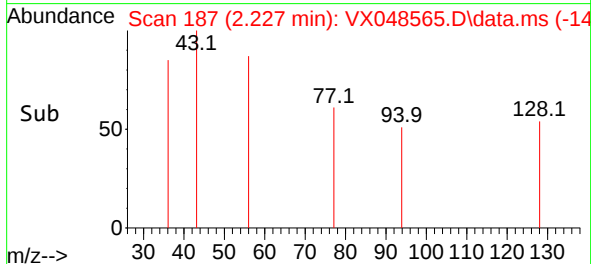
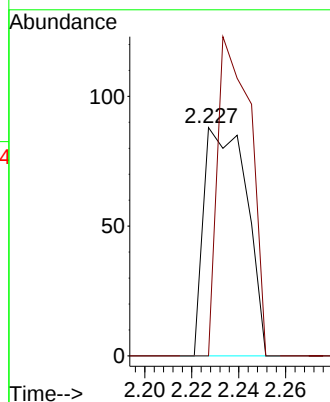
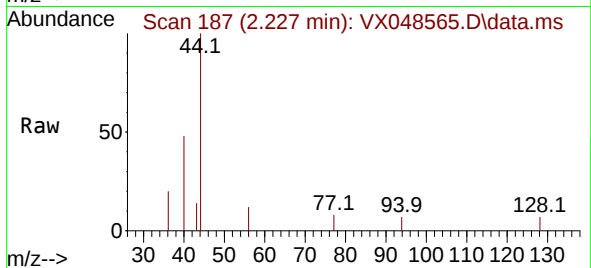




#13
Acrolein
Concen: 1.371 ug/l
RT: 2.227 min Scan# 111
Delta R.T. -0.012 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

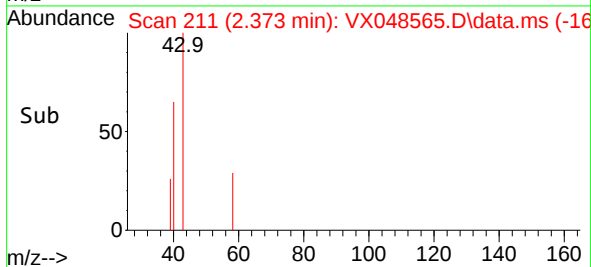
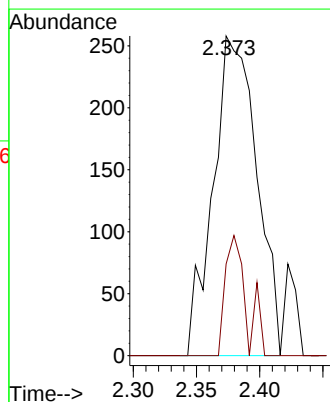
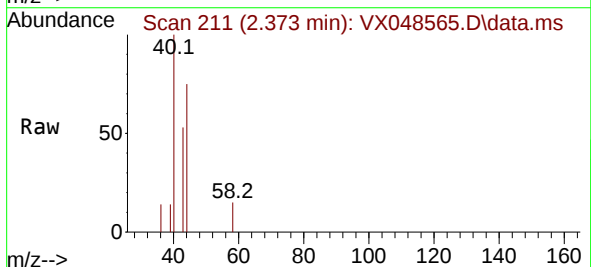
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

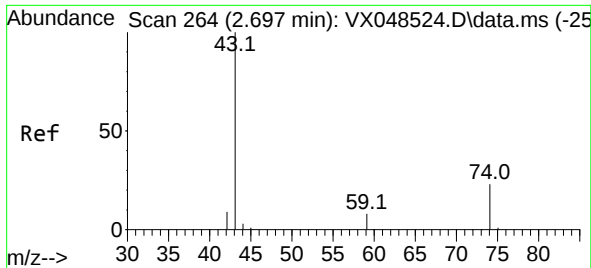
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 108.1 54.9 82.3#



#16
Acetone
Concen: 0.443 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 28.7 25.8 38.6

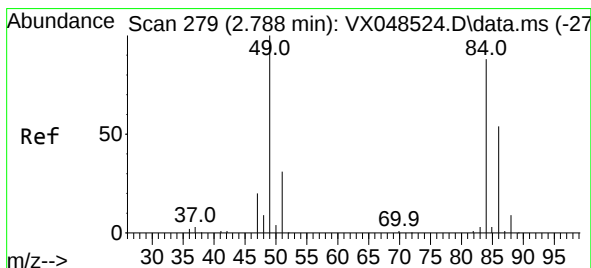
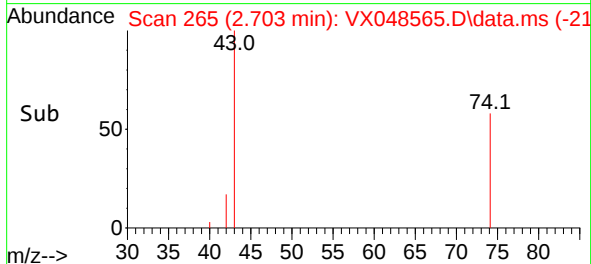
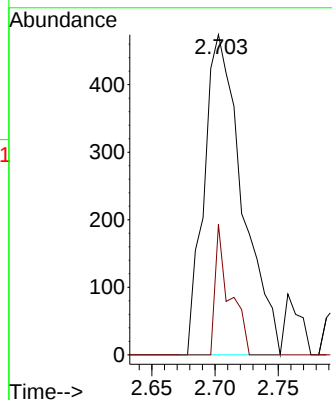
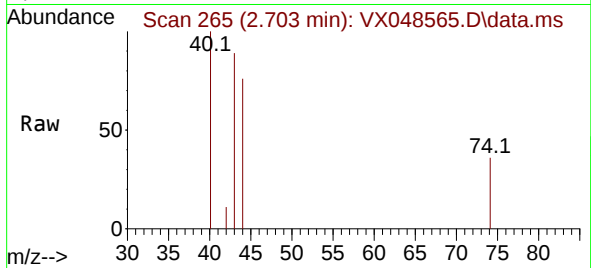




#18
Methyl Acetate
Concen: 0.260 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

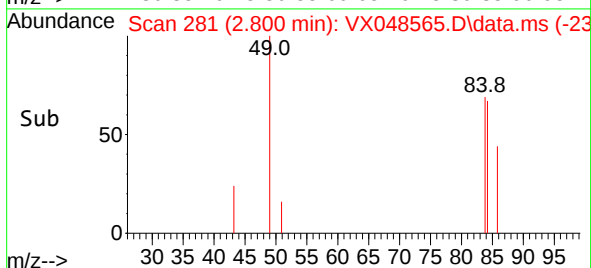
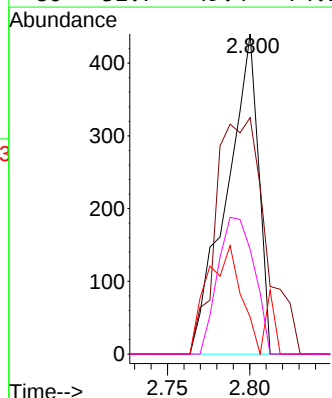
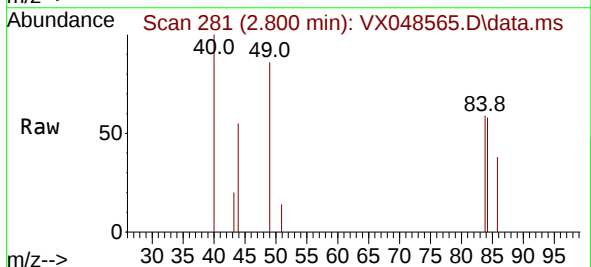
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

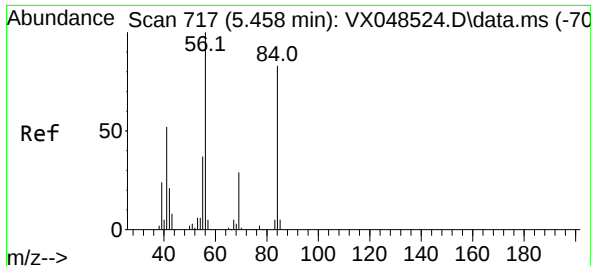
Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
74 15.5 19.1 28.7#



#20
Methylene Chloride
Concen: 0.205 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.012 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

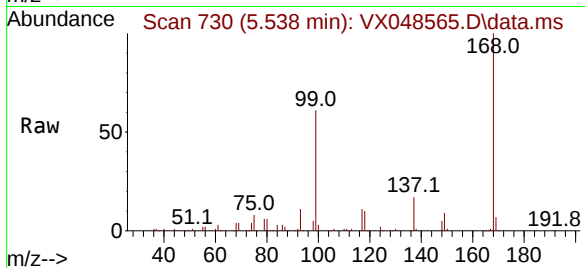
Tgt Ion: 84 Resp: 590
Ion Ratio Lower Upper
84 100
49 73.9 91.2 136.8#
51 11.6 28.3 42.5#
86 32.7 49.4 74.2#



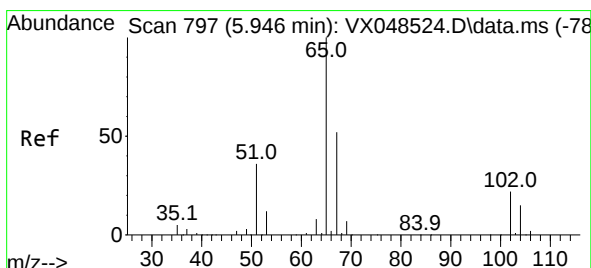
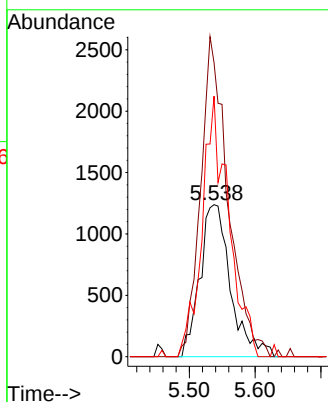
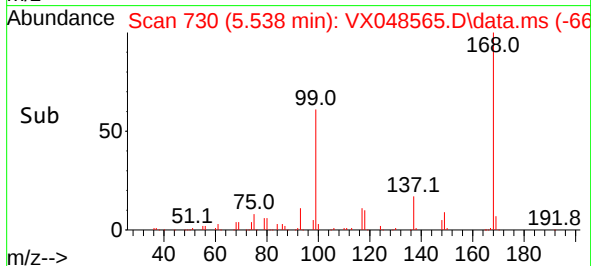


#31
Cyclohexane
Concen: 1.011 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

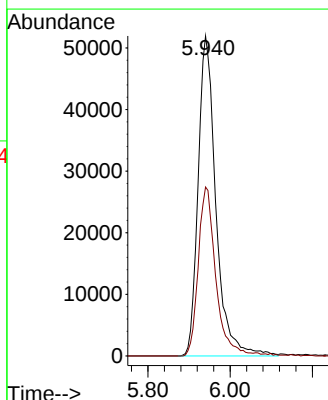
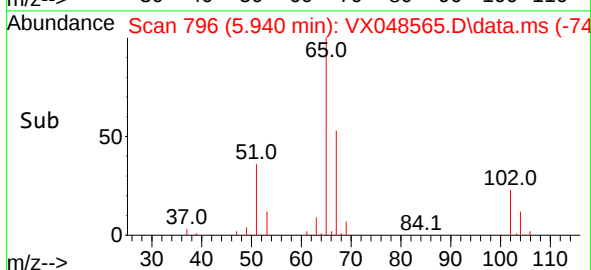
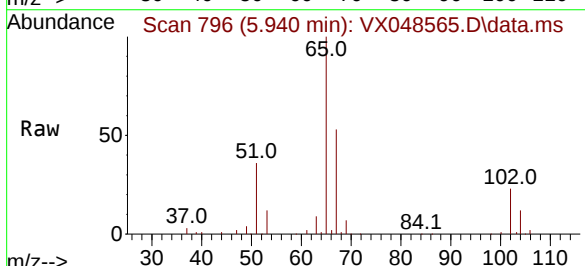


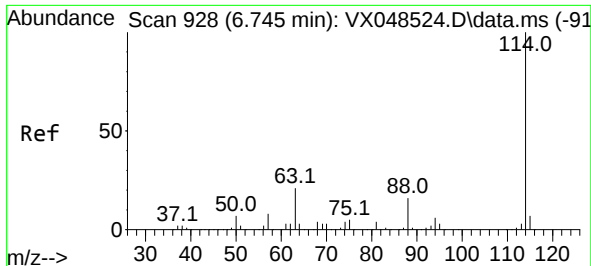
Tgt Ion: 56 Resp: 4008
Ion Ratio Lower Upper
56 100
69 193.4 23.4 35.2#
84 171.4 66.3 99.5#



#33
1,2-Dichloroethane-d4
Concen: 52.711 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 65 Resp: 155679
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.2

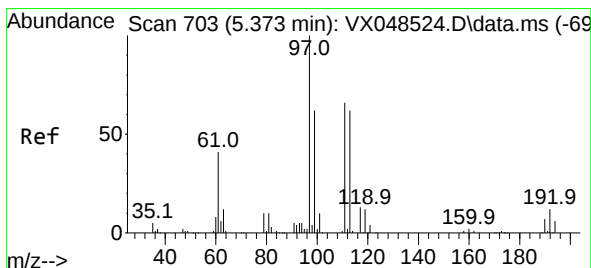
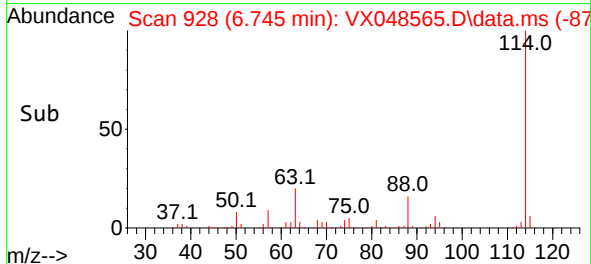
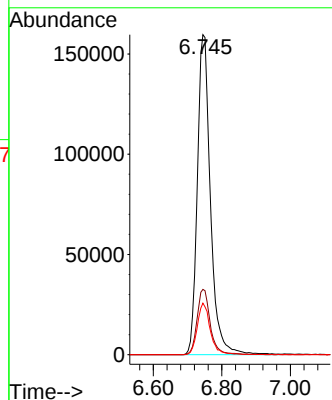
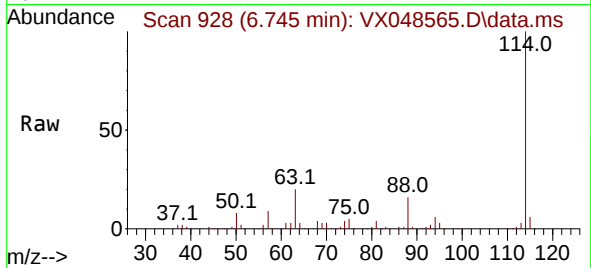




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX048565.D
 Acq: 12 Nov 2025 10:00

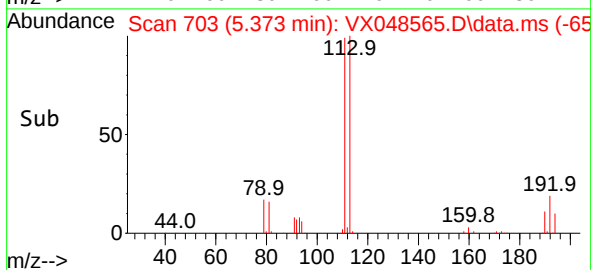
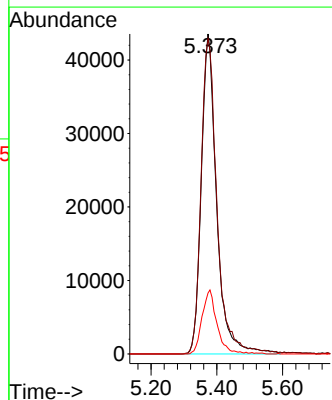
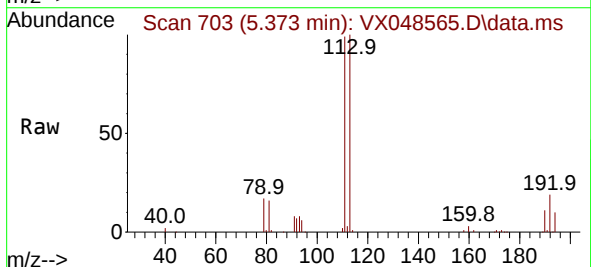
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

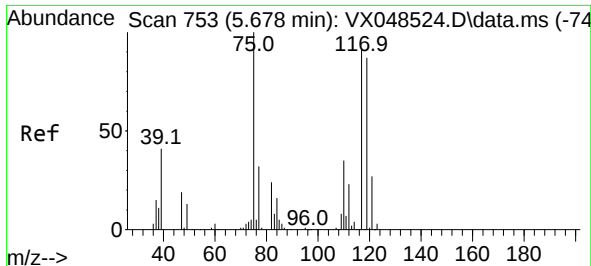
Tgt Ion:114 Resp: 425634
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.2
 88 16.1 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 43.811 ug/l
 RT: 5.373 min Scan# 703
 Delta R.T. -0.000 min
 Lab File: VX048565.D
 Acq: 12 Nov 2025 10:00

Tgt Ion:113 Resp: 141136
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 19.3 15.8 23.6





#36

1,1-Dichloropropene

Concen: 3.889 ug/l

RT: 5.538 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX048565.D

Acq: 12 Nov 2025 10:00

Instrument :

MSVOA_X

ClientSampleId :

VX1112WBL01

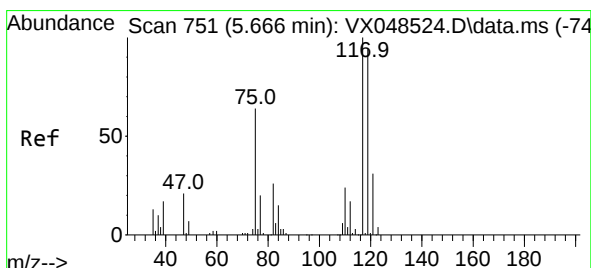
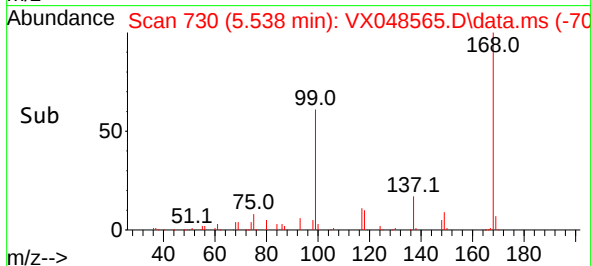
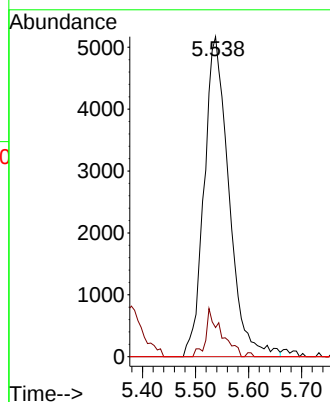
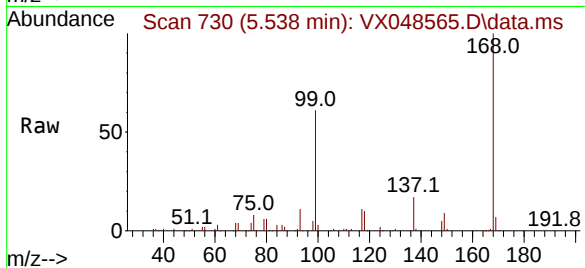
Tgt Ion: 75 Resp: 16774

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.4#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 4.323 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.128 min

Lab File: VX048565.D

Acq: 12 Nov 2025 10:00

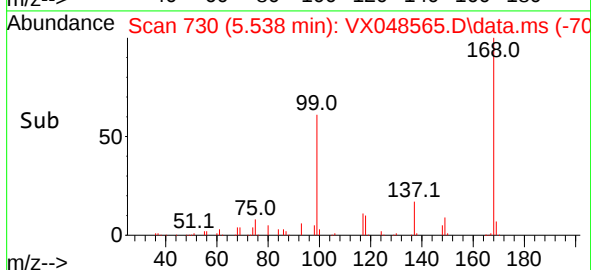
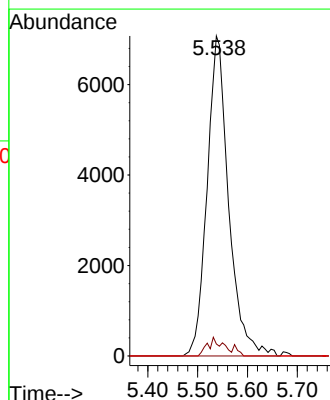
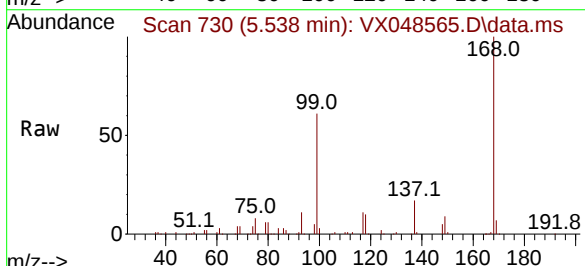
Tgt Ion: 117 Resp: 21227

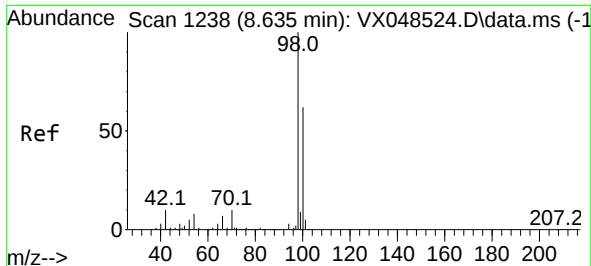
Ion Ratio Lower Upper

117 100

119 3.8 74.5 111.7#

121 0.0 24.8 37.2#

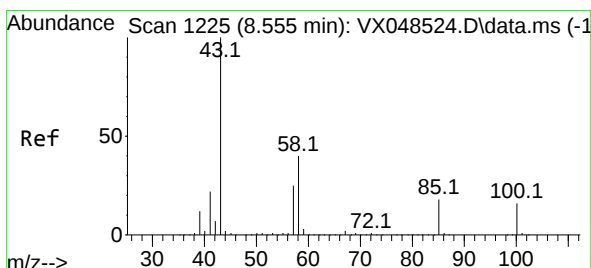
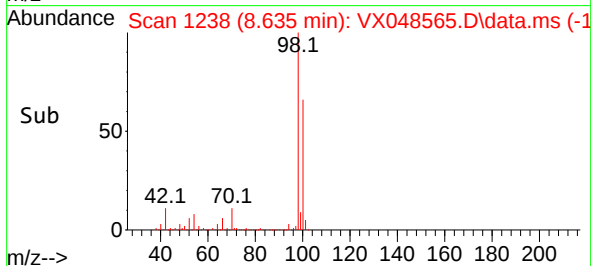
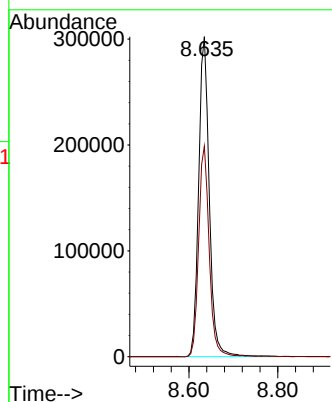
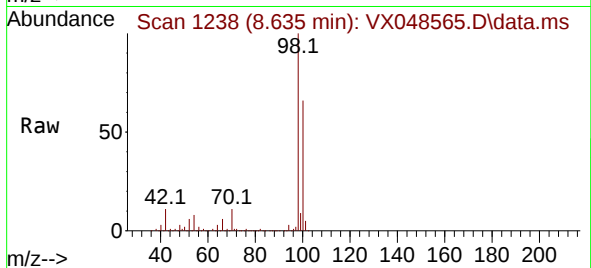




#50
Toluene-d8
Concen: 49.871 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

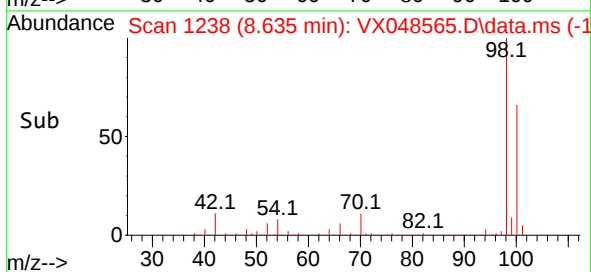
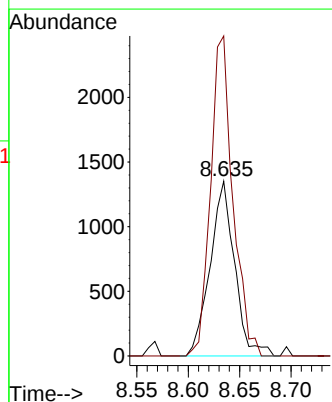
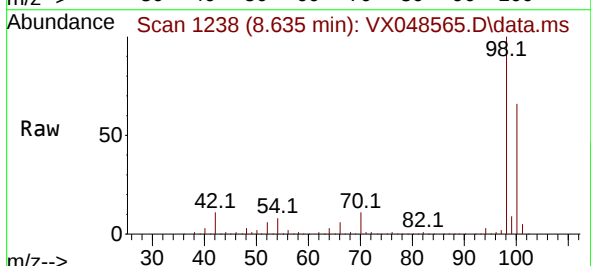
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

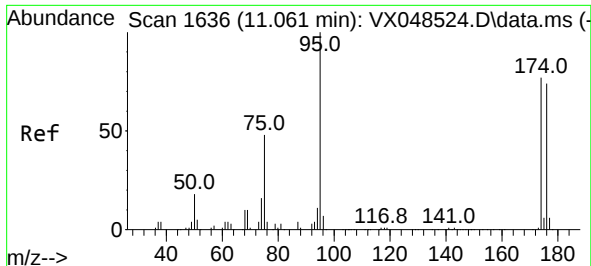
Tgt Ion: 98 Resp: 501066
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.079 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 43 Resp: 2239
Ion Ratio Lower Upper
43 100
58 167.0 32.3 48.5#

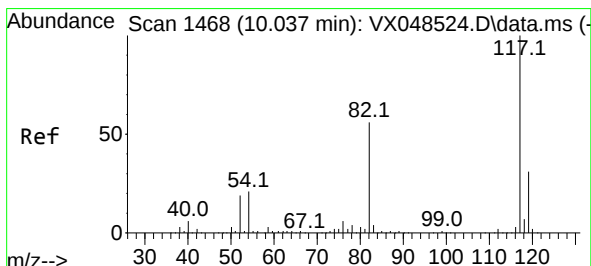
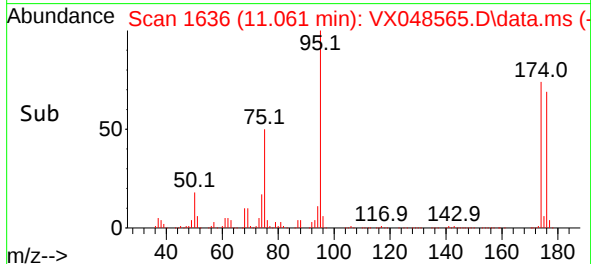
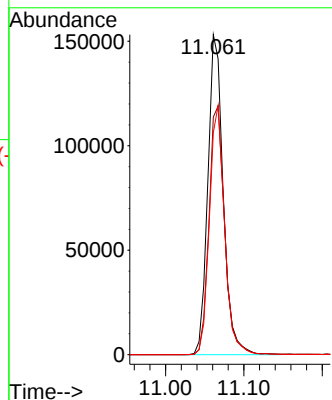
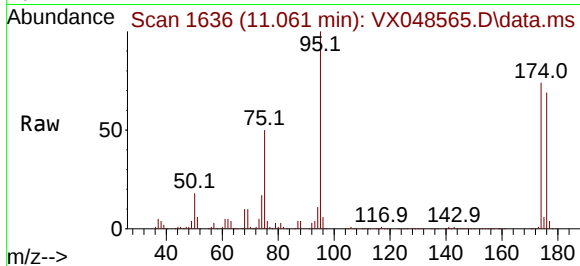




#62
4-Bromofluorobenzene
Concen: 55.575 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

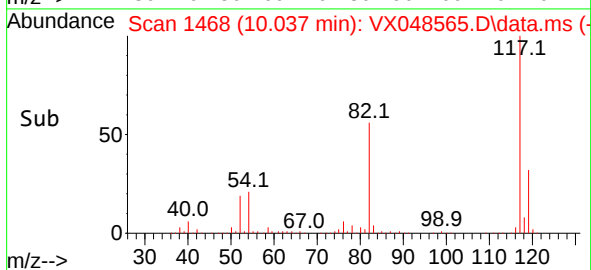
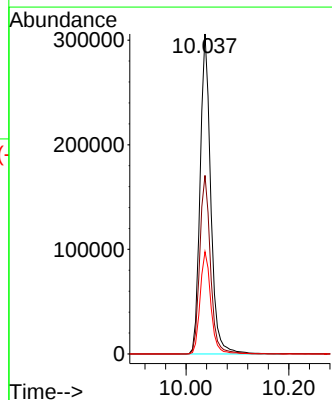
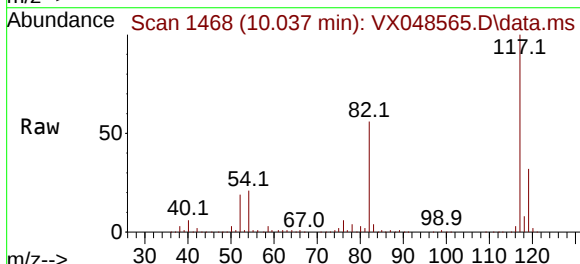
Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

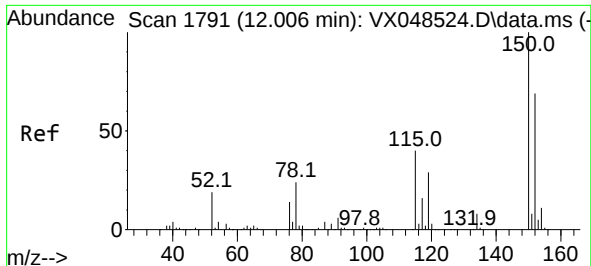
Tgt Ion: 95 Resp: 208089
Ion Ratio Lower Upper
95 100
174 79.5 0.0 161.8
176 77.0 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 117 Resp: 439104
Ion Ratio Lower Upper
117 100
82 55.8 44.4 66.6
119 31.9 25.1 37.7

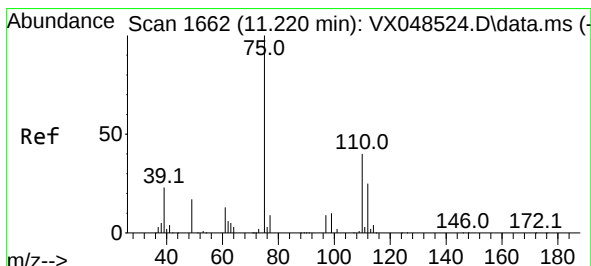
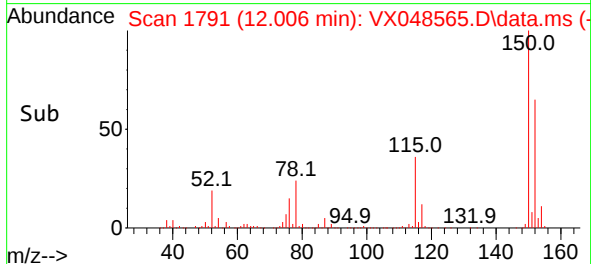
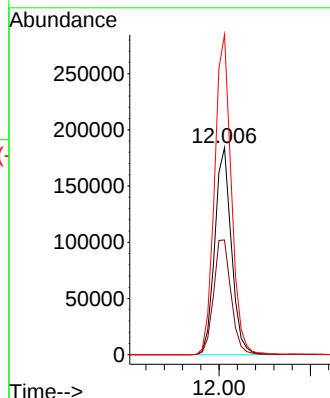
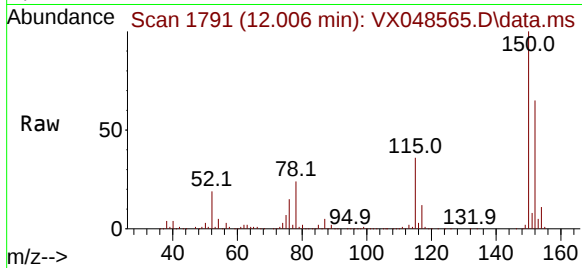




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048565.D
 Acq: 12 Nov 2025 10:00

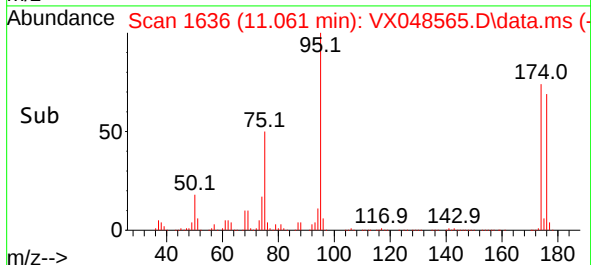
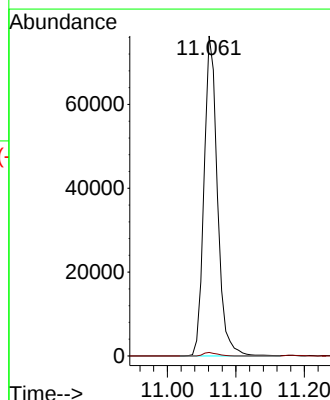
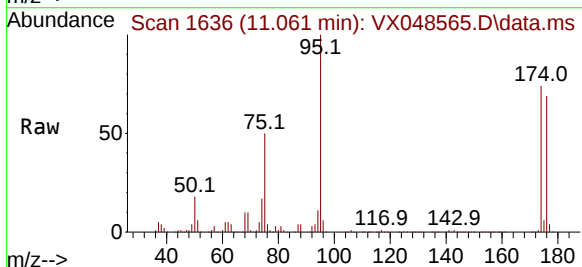
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1112WBL01

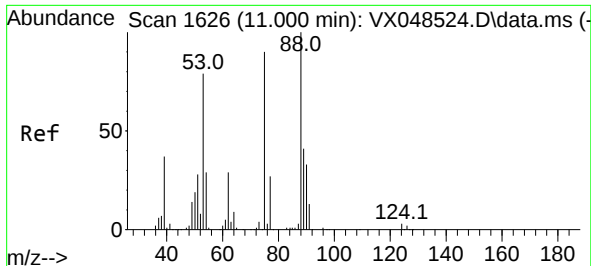
Tgt Ion:152 Resp: 232670
 Ion Ratio Lower Upper
 152 100
 115 58.3 39.2 117.6
 150 155.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 18.558 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048565.D
 Acq: 12 Nov 2025 10:00

Tgt Ion: 75 Resp: 104024
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 72.8#

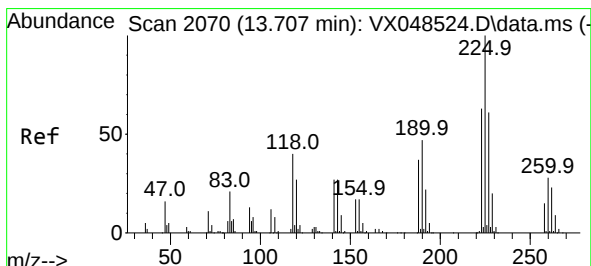
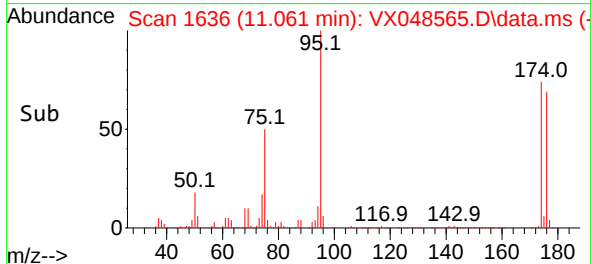
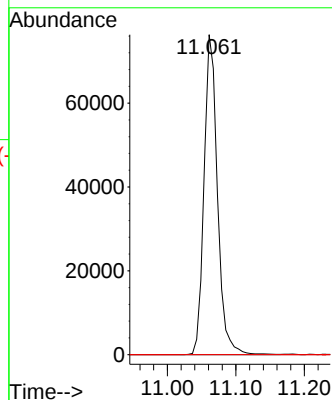
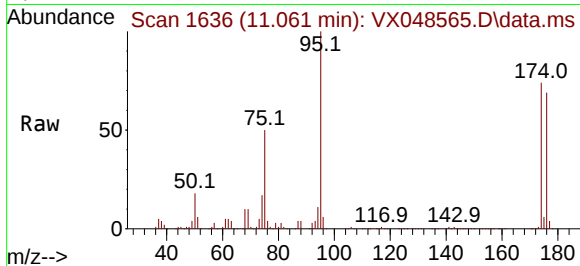




#81
trans-1,4-Dichloro-2-butene
Concen: 53.082 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Instrument :
MSVOA_X
ClientSampleId :
VX1112WBL01

Tgt Ion: 75 Resp: 104024
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#



#94
Hexachlorobutadiene
Concen: 0.231 ug/l
RT: 13.701 min Scan# 2069
Delta R.T. -0.006 min
Lab File: VX048565.D
Acq: 12 Nov 2025 10:00

Tgt Ion: 225 Resp: 503
Ion Ratio Lower Upper
225 100
223 65.8 30.6 92.0
227 55.1 32.5 97.4

