

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047803.D
 Acq On : 25 Sep 2025 12:07
 Operator : JC/MD
 Sample : Q3165-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-260-262

Quant Time: Sep 26 01:25:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

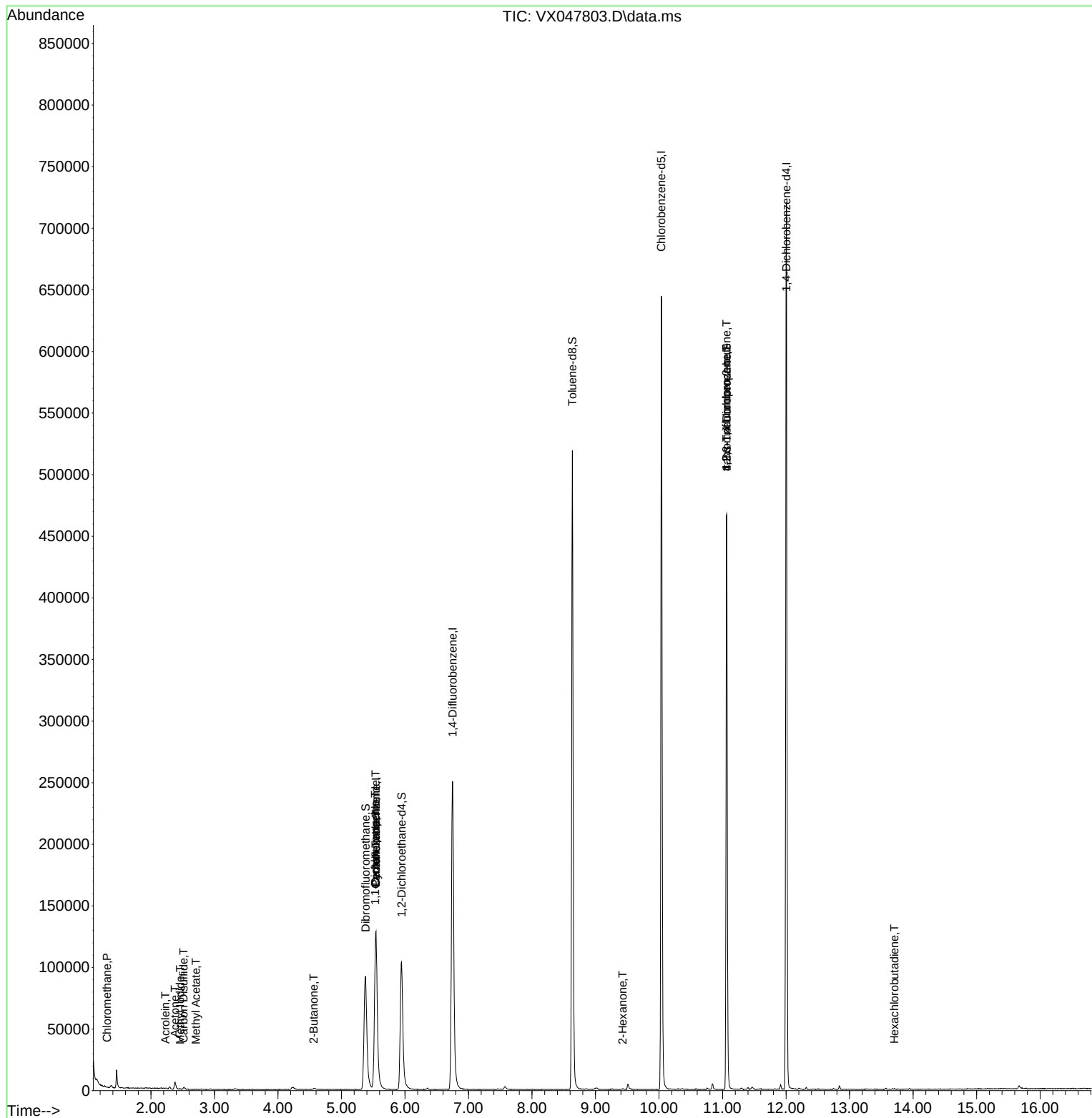
Internal Standards						
1) Pentafluorobenzene	5.544	168	129350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276238	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	289210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	112618	54.697	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.400%			
35) Dibromofluoromethane	5.379	113	92276	49.809	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.634	98	312248	48.710	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.420%			
62) 4-Bromofluorobenzene	11.061	95	137883	56.675	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.360%			
Target Compounds			Qvalue			
3) Chloromethane	1.307	50	515	0.293	ug/l	89
10) Methyl Iodide	2.459	142	529	0.227	ug/l #	83
13) Acrolein	2.227	56	89	0.421	ug/l #	1
16) Acetone	2.379	43	7471	8.345	ug/l	94
17) Carbon Disulfide	2.514	76	1366	0.325	ug/l #	89
18) Methyl Acetate	2.709	43	423	0.212	ug/l #	54
25) 2-Butanone	4.562	43	2112	1.891	ug/l #	68
31) Cyclohexane	5.544	56	2921	1.074	ug/l #	1
36) 1,1-Dichloropropene	5.531	75	11046	4.080	ug/l #	50
38) Carbon Tetrachloride	5.537	117	14322	4.869	ug/l #	18
59) 2-Hexanone	9.427	43	465	0.246	ug/l	78
76) 1,2,3-Trichloropropane	11.061	75	70899	23.068	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	70899	58.827	ug/l #	8
94) Hexachlorobutadiene	13.707	225	223	0.201	ug/l	78

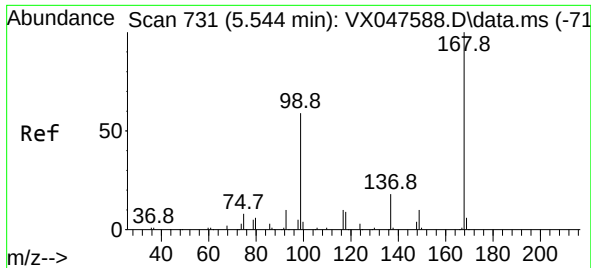
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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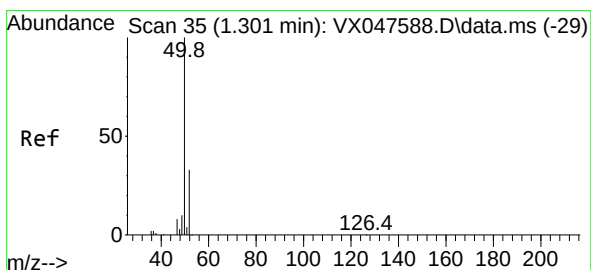
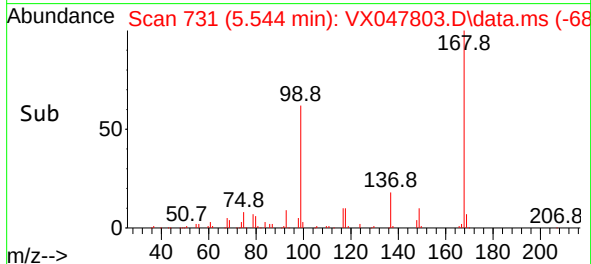
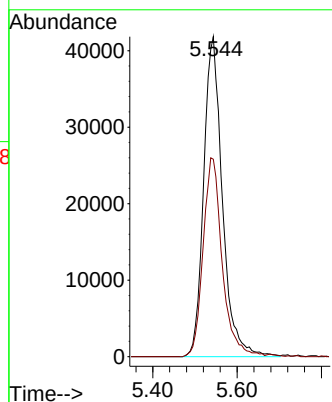
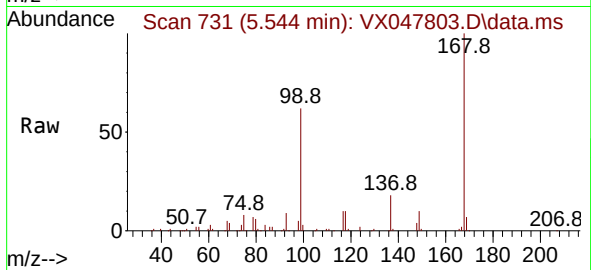




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

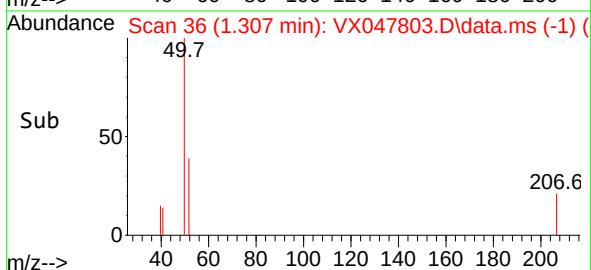
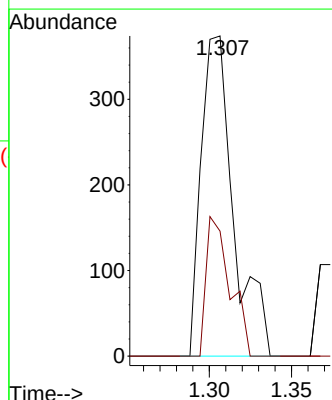
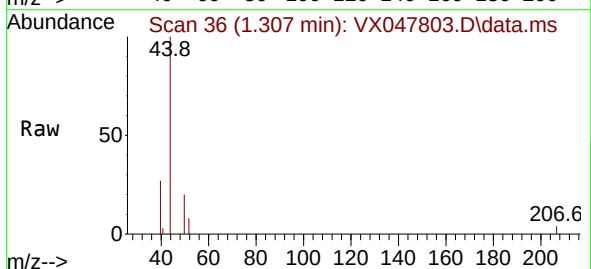
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

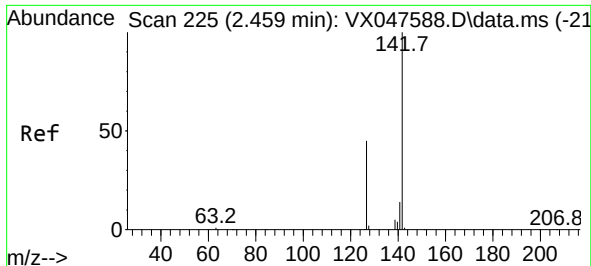
Tgt Ion:168 Resp: 129350
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#3
Chloromethane
Concen: 0.293 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

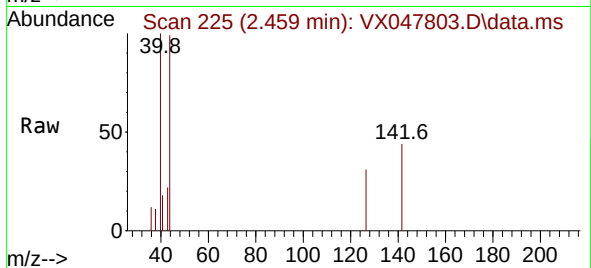
Tgt Ion: 50 Resp: 515
Ion Ratio Lower Upper
50 100
52 39.0 26.1 39.1



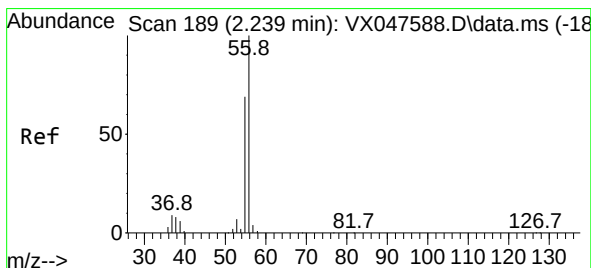
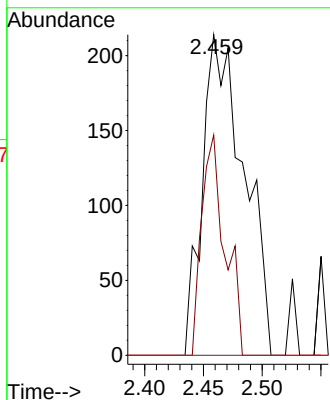
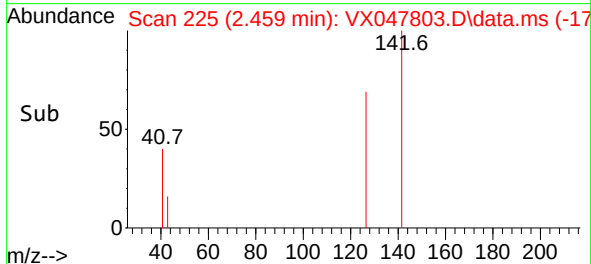


#10
Methyl Iodide
Concen: 0.227 ug/l
RT: 2.459 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

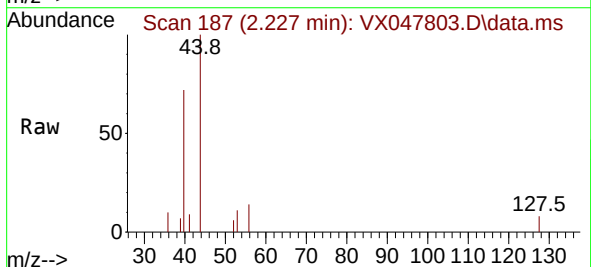
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262



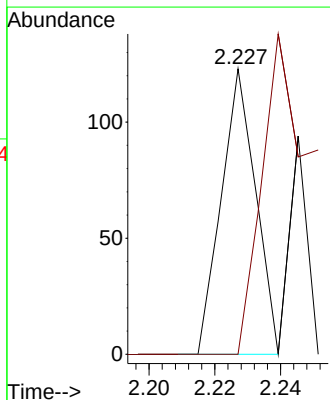
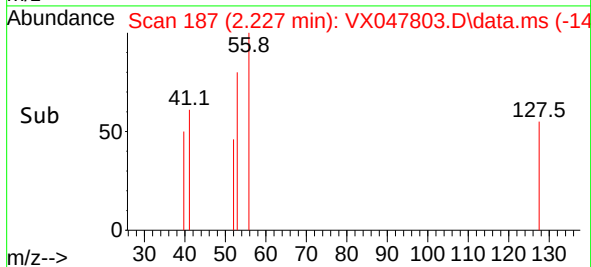
Tgt Ion:142 Resp: 529
Ion Ratio Lower Upper
142 100
127 38.6 37.2 55.8
141 0.0 11.4 17.0#

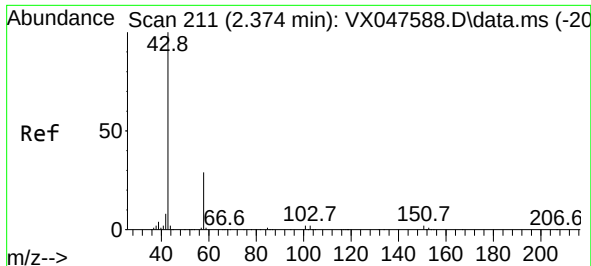


#13
Acrolein
Concen: 0.421 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07



Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 197.8 57.2 85.8#

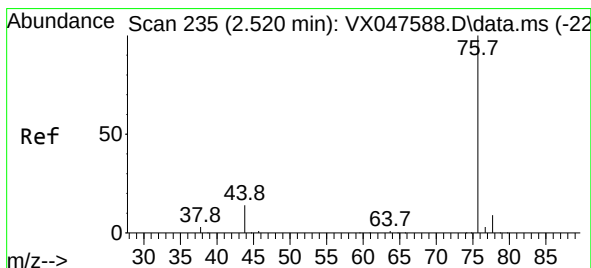
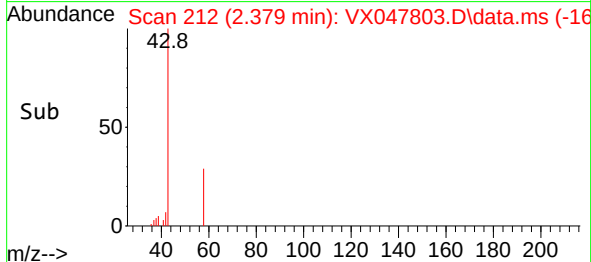
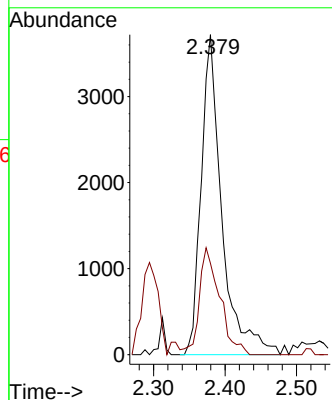
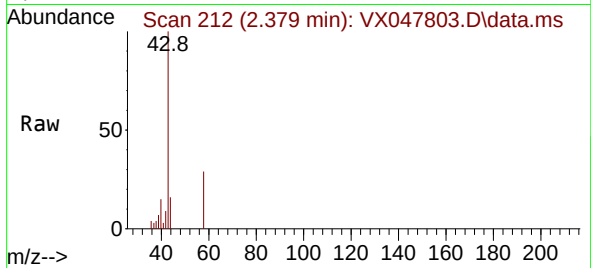




#16
Acetone
Concen: 8.345 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

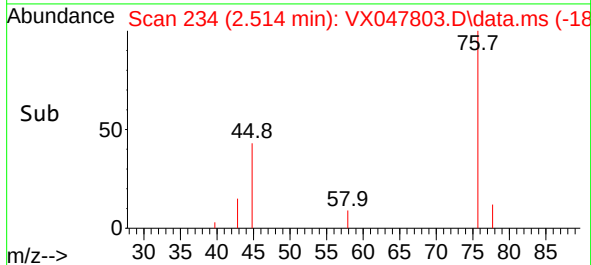
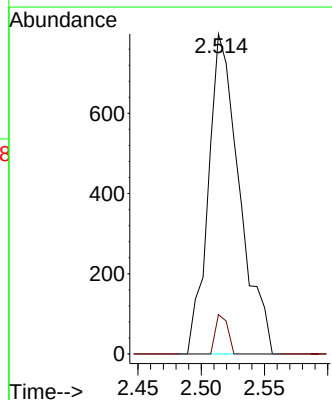
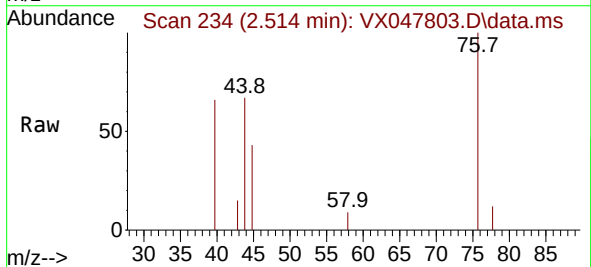
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

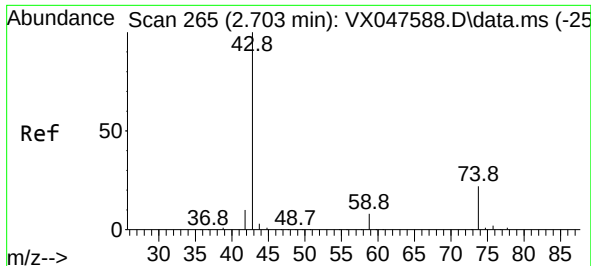
Tgt Ion: 43 Resp: 7471
Ion Ratio Lower Upper
43 100
58 32.6 23.4 35.0



#17
Carbon Disulfide
Concen: 0.325 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 76 Resp: 1366
Ion Ratio Lower Upper
76 100
78 12.3 6.8 10.2#

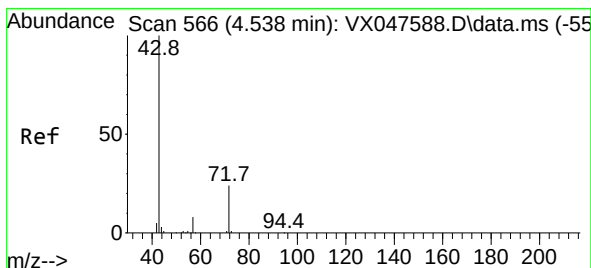
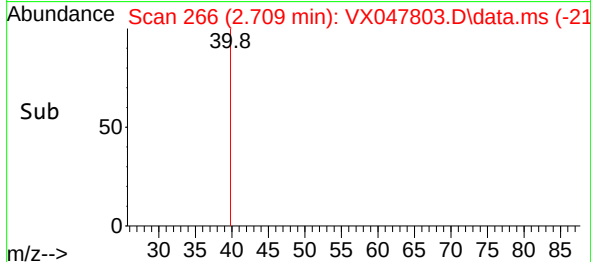
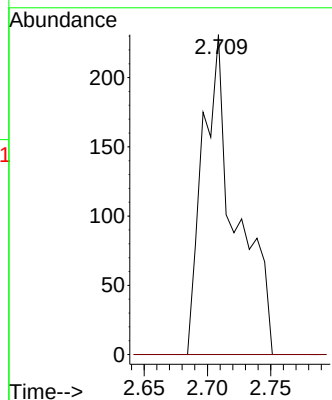
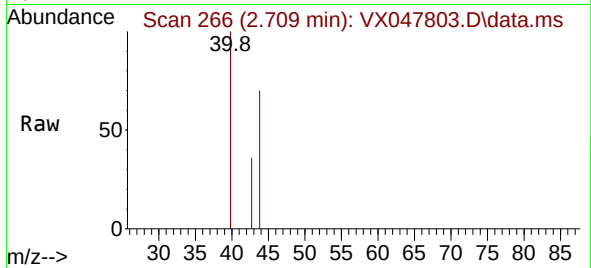




#18
Methyl Acetate
Concen: 0.212 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

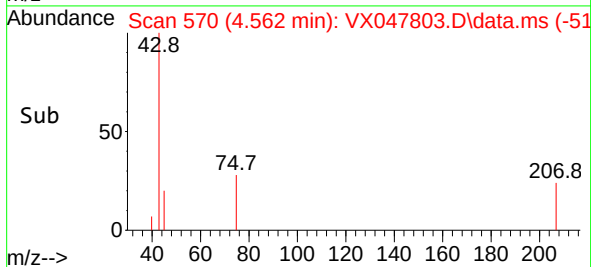
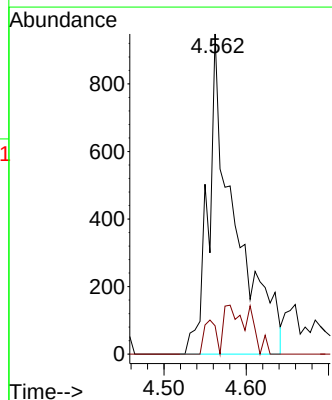
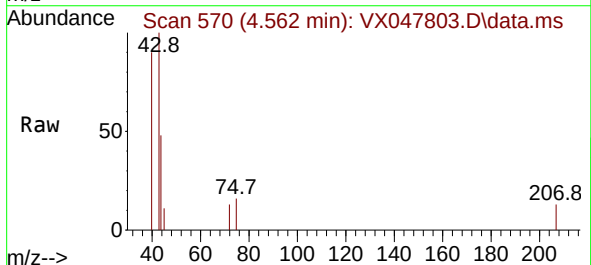
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

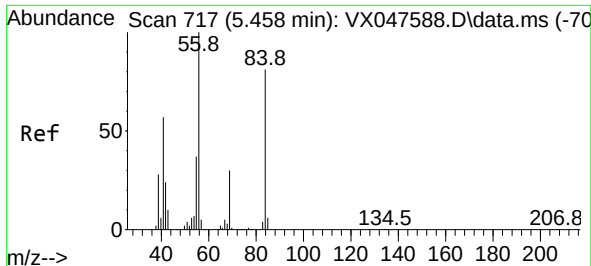
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



#25
2-Butanone
Concen: 1.891 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

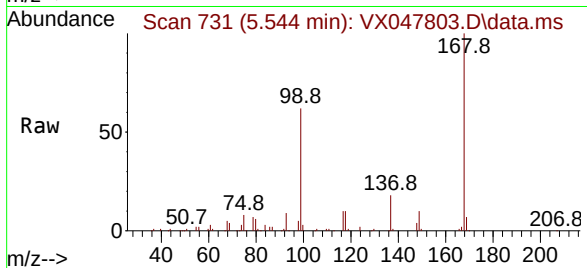
Tgt Ion: 43 Resp: 2112
Ion Ratio Lower Upper
43 100
72 8.9 20.1 30.1#



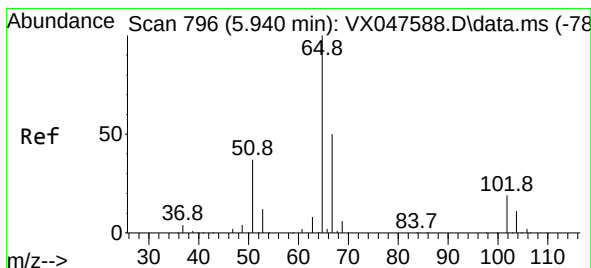
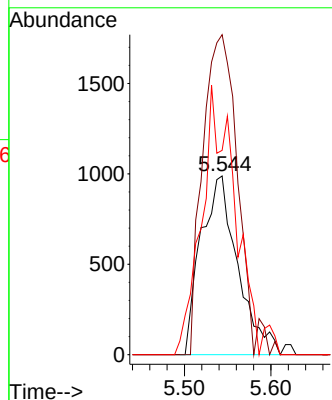
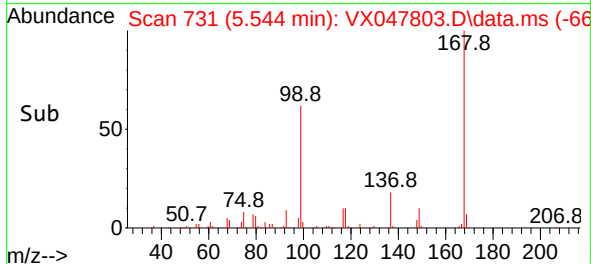


#31
Cyclohexane
Concen: 1.074 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

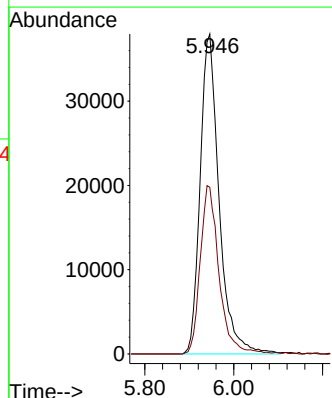
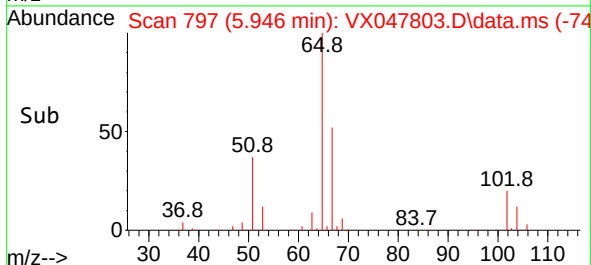
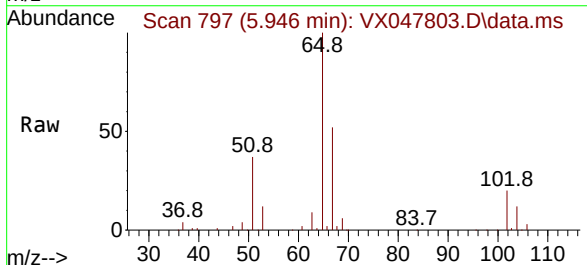


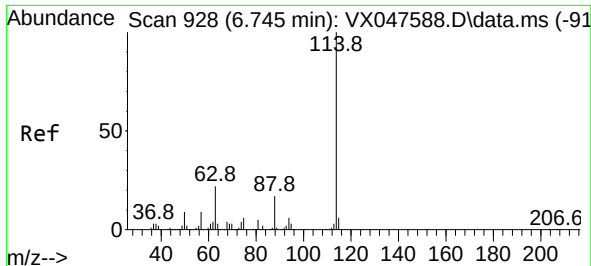
Tgt Ion: 56 Resp: 2921
Ion Ratio Lower Upper
56 100
69 179.0 23.8 35.8#
84 114.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.697 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 65 Resp: 112618
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0

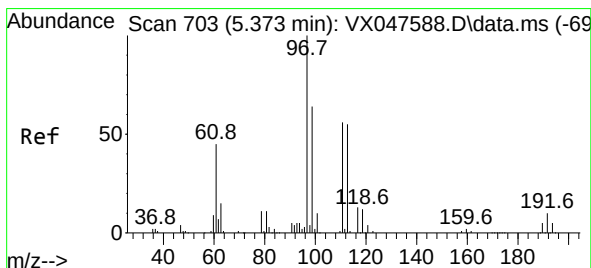
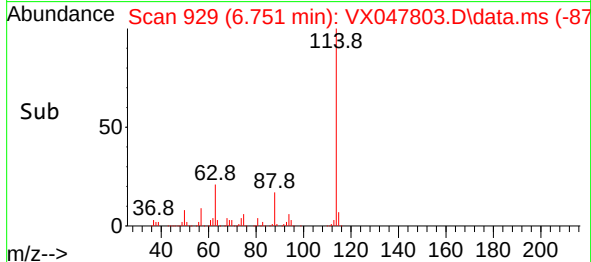
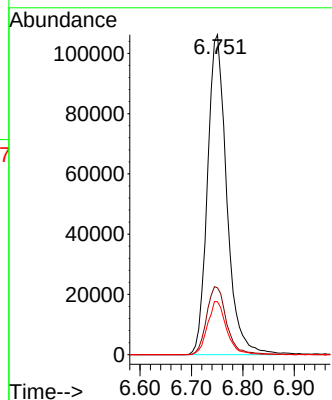
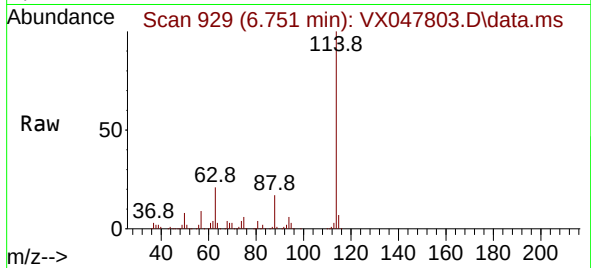




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

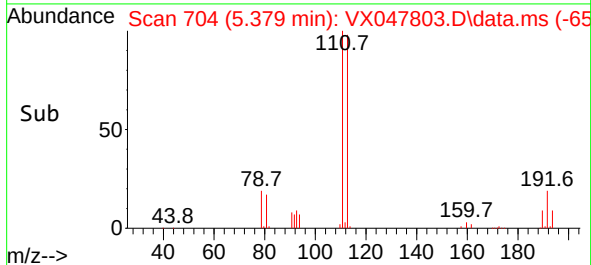
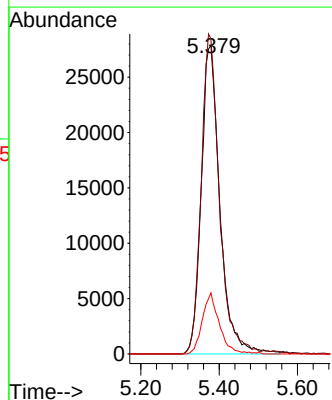
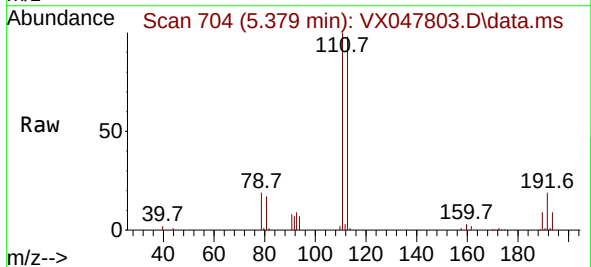
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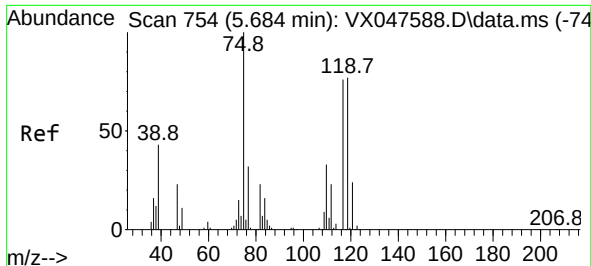
Tgt Ion:114 Resp: 276238
Ion Ratio Lower Upper
114 100
63 23.9 0.0 44.0
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.809 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion:113 Resp: 92276
Ion Ratio Lower Upper
113 100
111 100.8 80.9 121.3
192 18.1 14.2 21.4

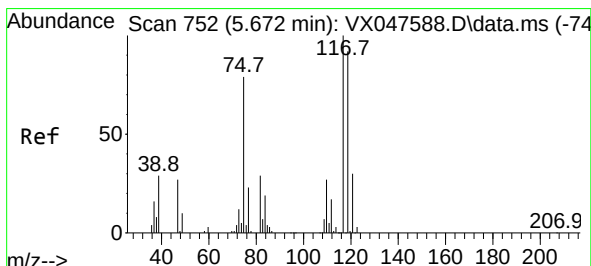
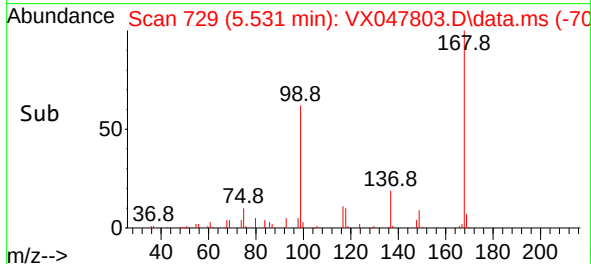
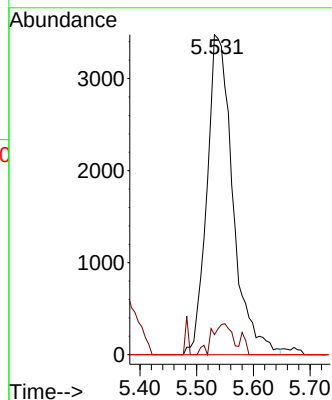
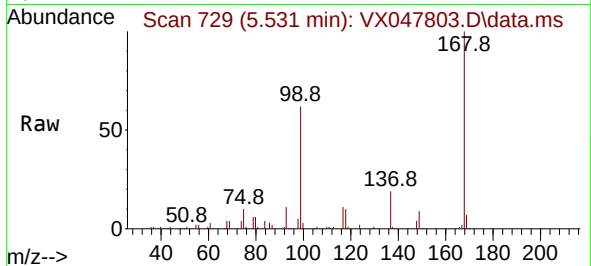




#36
1,1-Dichloropropene
Concen: 4.080 ug/l
RT: 5.531 min Scan# 710
Delta R.T. -0.153 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

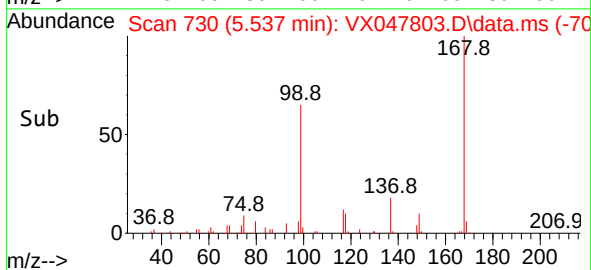
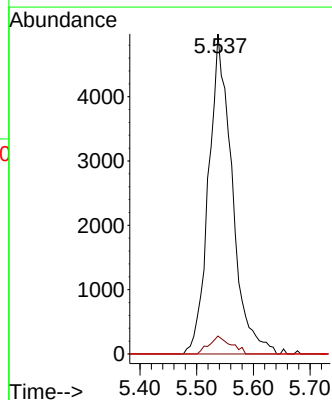
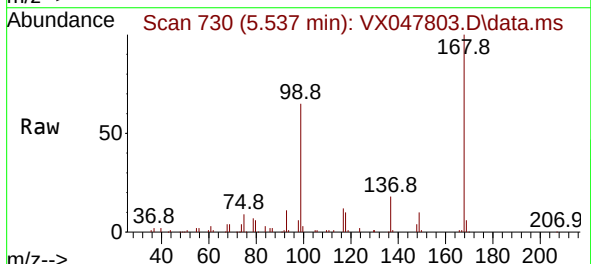
Instrument :
MSVOA_X
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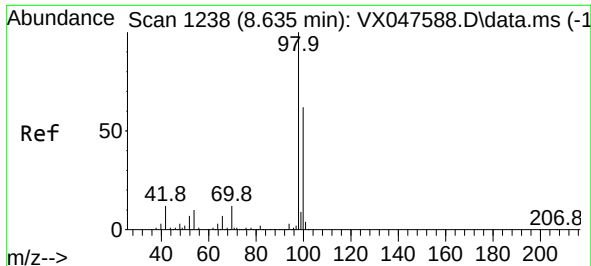
Tgt Ion: 75 Resp: 11046
Ion Ratio Lower Upper
75 100
110 7.7 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.869 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 117 Resp: 14322
Ion Ratio Lower Upper
117 100
119 5.6 73.4 110.2#
121 0.0 23.8 35.6#

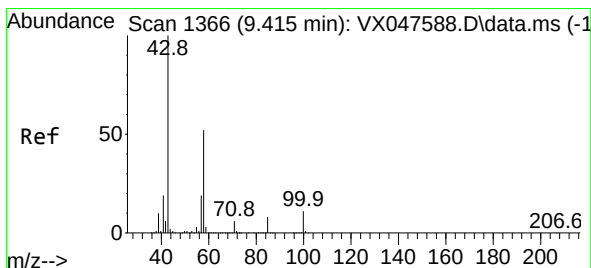
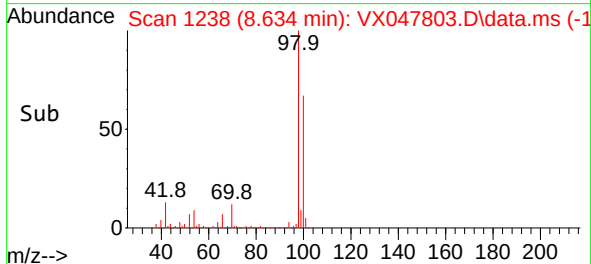
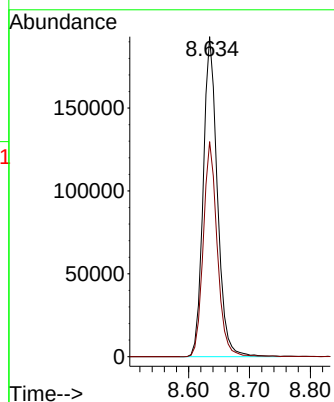
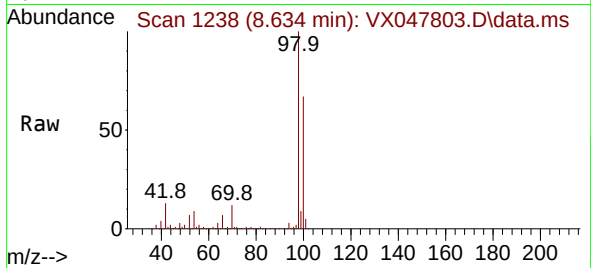




#50
Toluene-d8
Concen: 48.710 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

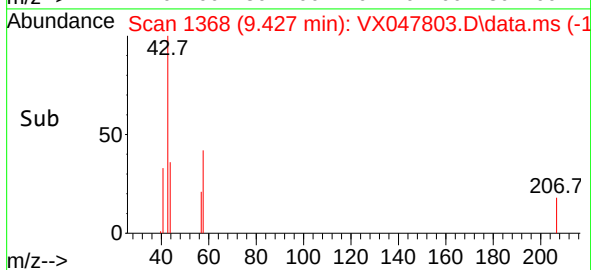
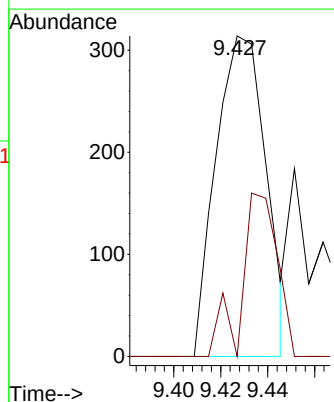
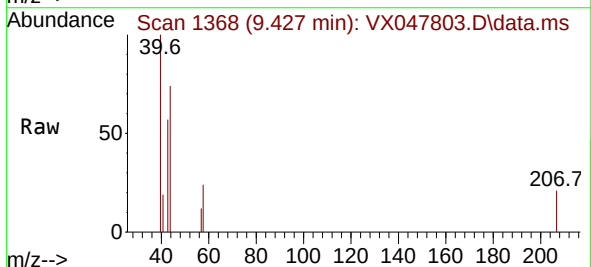
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

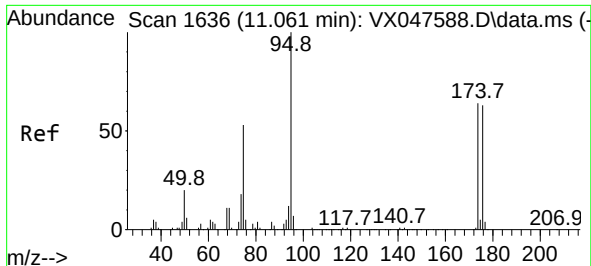
Tgt Ion: 98 Resp: 312248
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#59
2-Hexanone
Concen: 0.246 ug/l
RT: 9.427 min Scan# 1368
Delta R.T. 0.012 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
58 36.3 26.1 78.2

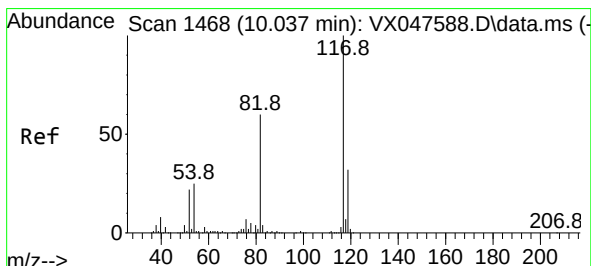
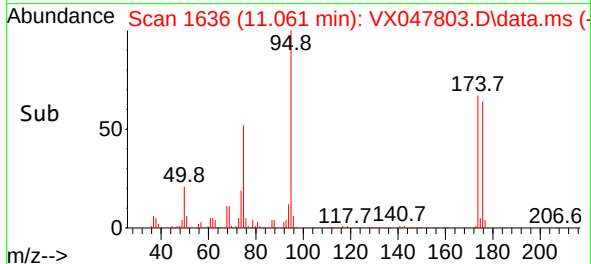
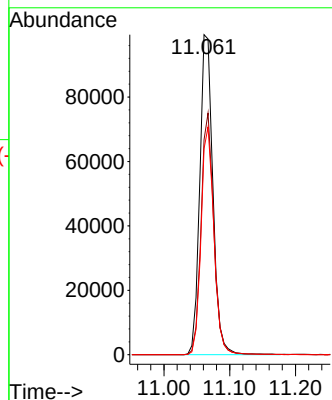
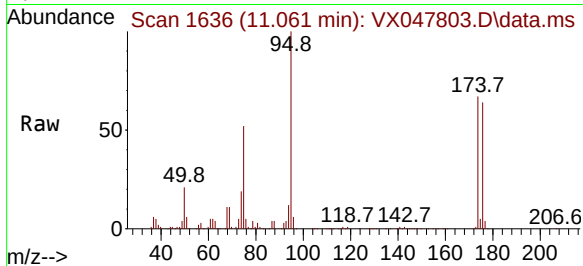




#62
4-Bromofluorobenzene
Concen: 56.675 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

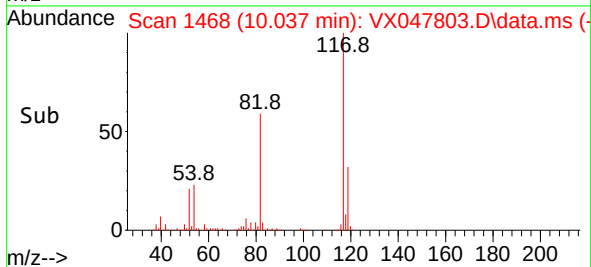
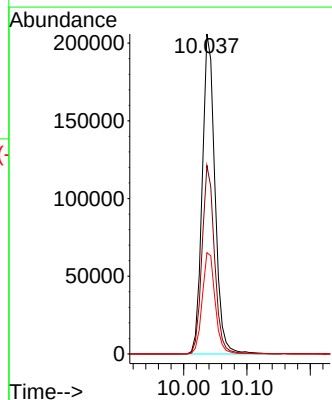
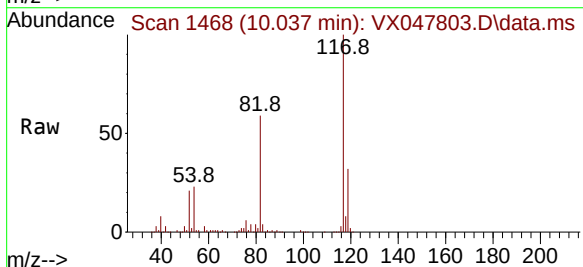
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

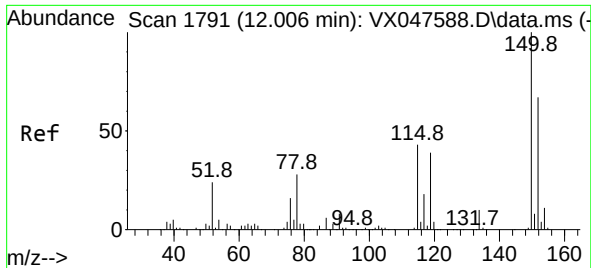
Tgt Ion: 95 Resp: 137883
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 117 Resp: 289210
Ion Ratio Lower Upper
117 100
82 58.9 47.8 71.6
119 31.6 25.2 37.8

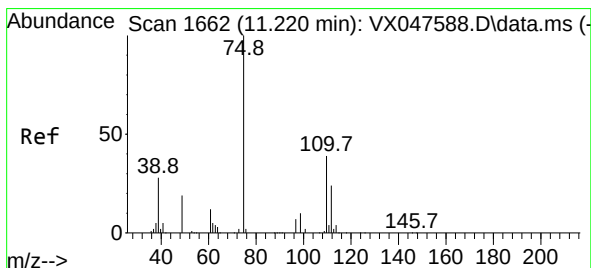
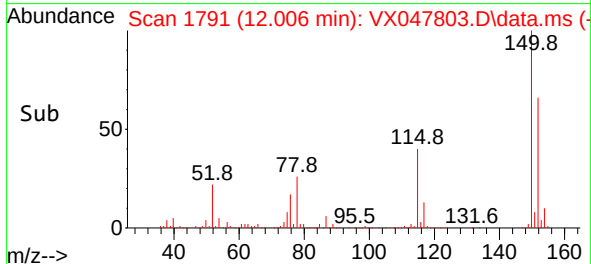
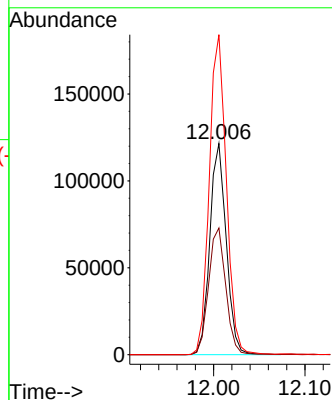
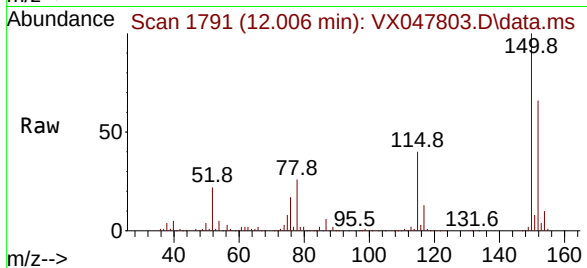




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX047803.D
 Acq: 25 Sep 2025 12:07

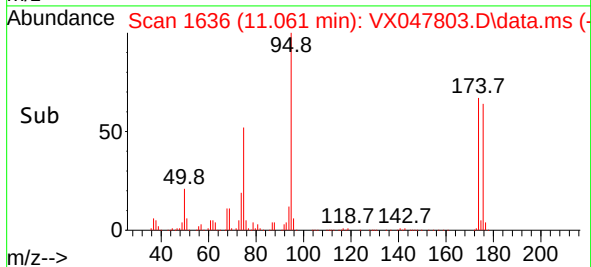
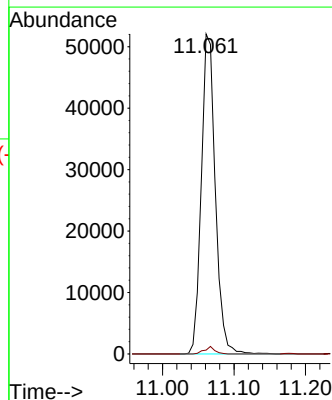
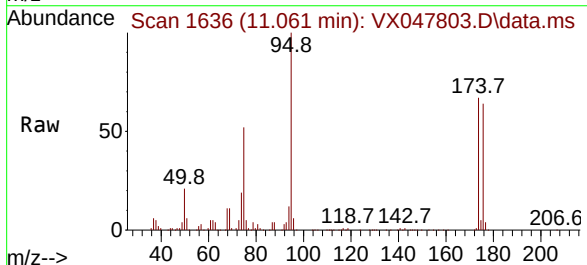
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-260-262

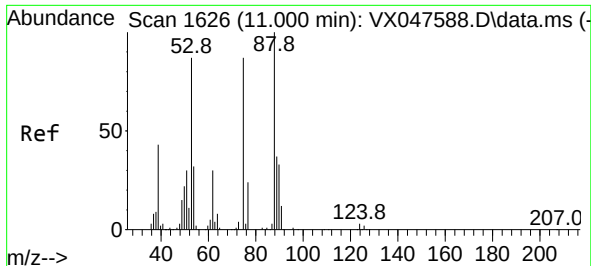
Tgt Ion:152 Resp: 151799
 Ion Ratio Lower Upper
 152 100
 115 62.7 44.9 134.5
 150 156.7 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 23.068 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047803.D
 Acq: 25 Sep 2025 12:07

Tgt Ion: 75 Resp: 70899
 Ion Ratio Lower Upper
 75 100
 77 1.7 18.8 56.4#

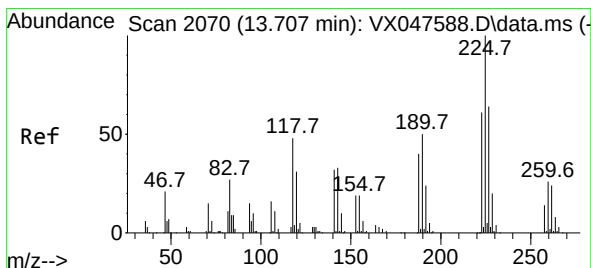
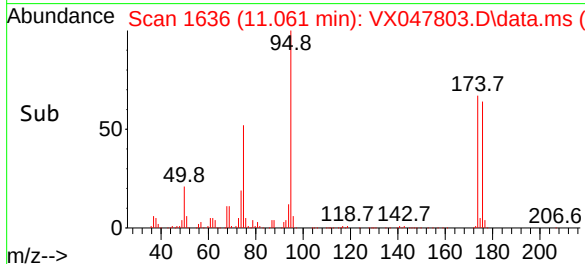
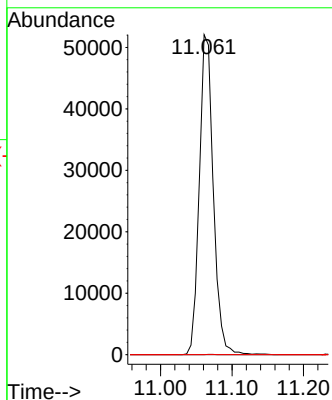
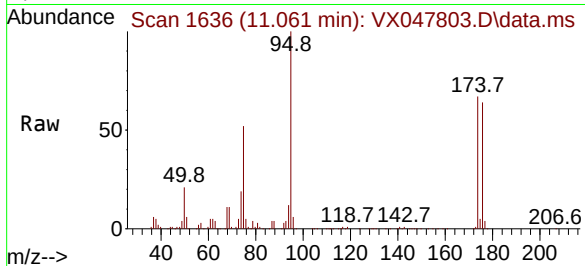




#81
trans-1,4-Dichloro-2-butene
Concen: 58.827 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-260-262

Tgt Ion: 75 Resp: 70899
Ion Ratio Lower Upper
75 100
53 0.1 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.201 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047803.D
Acq: 25 Sep 2025 12:07

Tgt Ion: 225 Resp: 223
Ion Ratio Lower Upper
225 100
223 57.4 31.7 95.1
227 35.0 32.0 96.0

