

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100225\
 Data File : VX047961.D
 Acq On : 02 Oct 2025 12:46
 Operator : JC/MD
 Sample : Q3246-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-500-502

Quant Time: Oct 03 03:29:21 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)

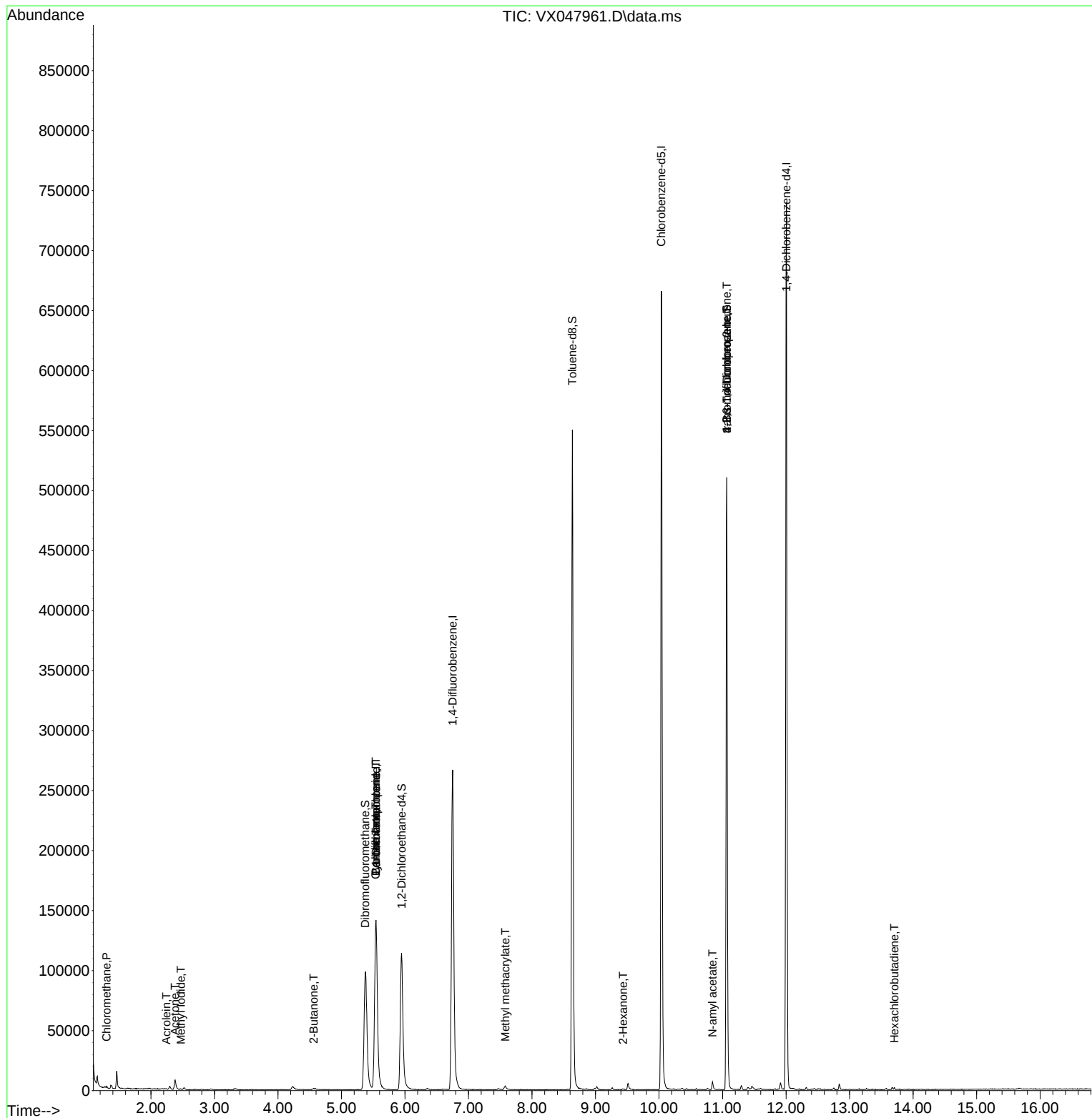
Internal Standards						
1) Pentafluorobenzene	5.543	168	143047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.750	114	293439	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	309899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	124531	54.692	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 109.380%		
35) Dibromofluoromethane	5.373	113	98868	50.239	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.480%		
50) Toluene-d8	8.634	98	334661	49.146	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.300%		
62) 4-Bromofluorobenzene	11.067	95	146161	56.556	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 113.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	1310	0.673	ug/l	93
10) Methyl Iodide	2.471	142	641	0.248	ug/l #	87
13) Acrolein	2.239	56	94	0.402	ug/l #	7
16) Acetone	2.379	43	10657	10.764	ug/l	95
25) 2-Butanone	4.562	43	2693	2.181	ug/l	95
31) Cyclohexane	5.537	56	3446	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	12124	4.216	ug/l #	52
38) Carbon Tetrachloride	5.543	117	14598	4.672	ug/l #	18
48) Methyl methacrylate	7.580	41	1026	0.408	ug/l #	44
59) 2-Hexanone	9.433	43	717	0.357	ug/l	72
74) N-amyl acetate	10.841	43	1178	0.216	ug/l #	19
76) 1,2,3-Trichloropropane	11.067	75	76577	24.096	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	76577	61.449	ug/l #	8
94) Hexachlorobutadiene	13.707	225	313	0.273	ug/l	87

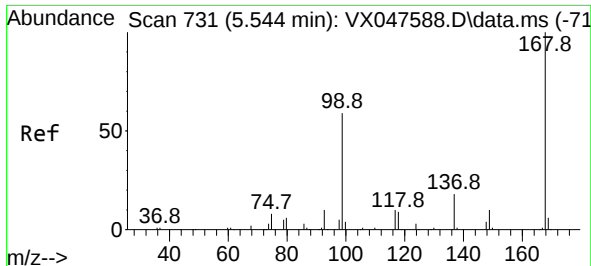
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-184-GW-500-502

Quant Time: Oct 03 03:29:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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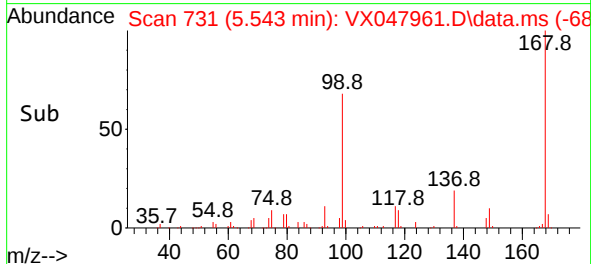
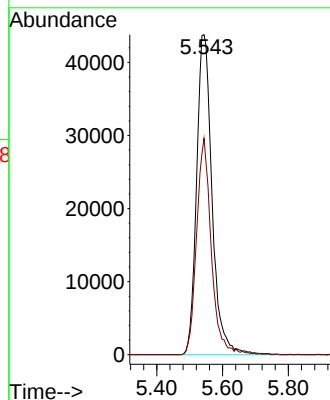
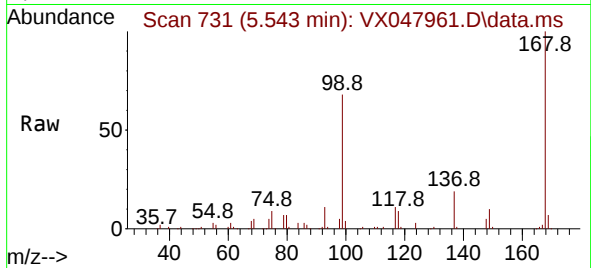




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

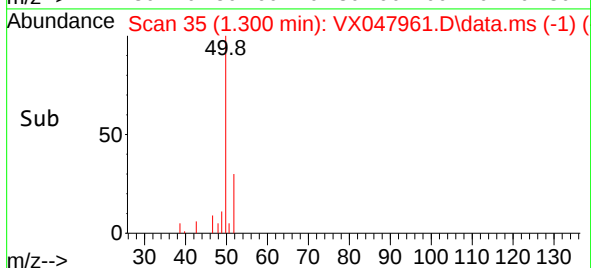
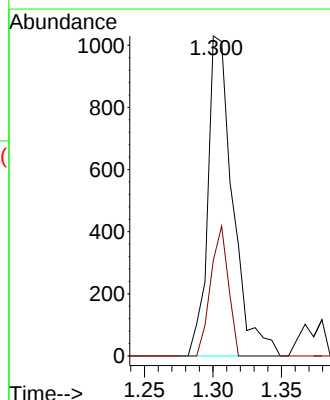
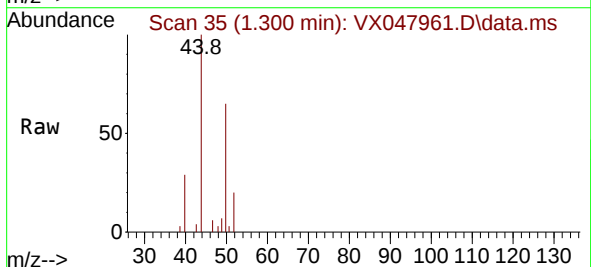
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

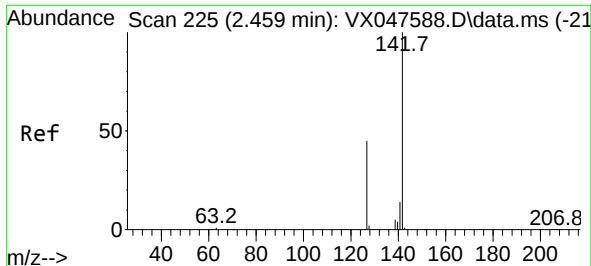
Tgt Ion:168 Resp: 143047
Ion Ratio Lower Upper
168 100
99 67.6 48.8 73.2



#3
Chloromethane
Concen: 0.673 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

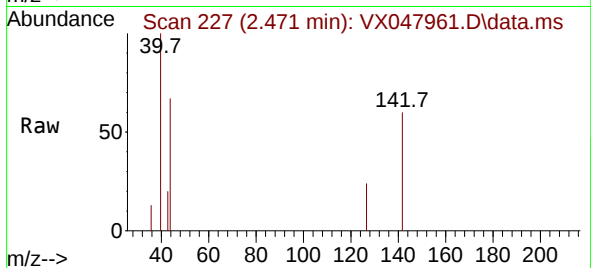
Tgt Ion: 50 Resp: 1310
Ion Ratio Lower Upper
50 100
52 28.5 26.1 39.1



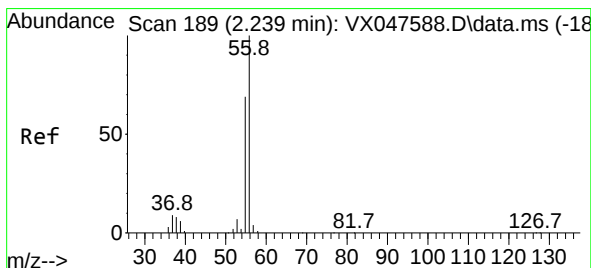
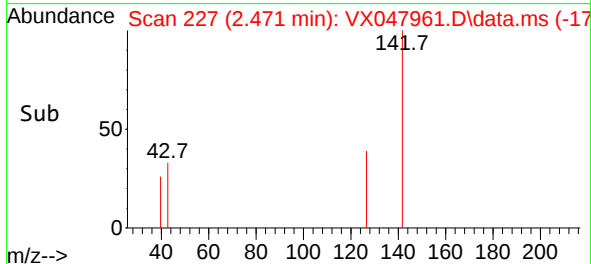
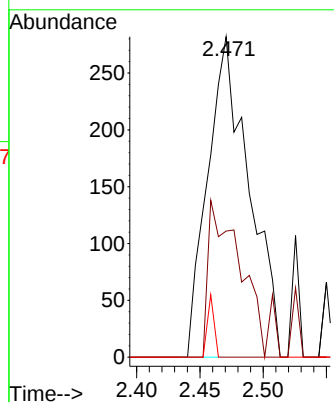


#10
Methyl Iodide
Concen: 0.248 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

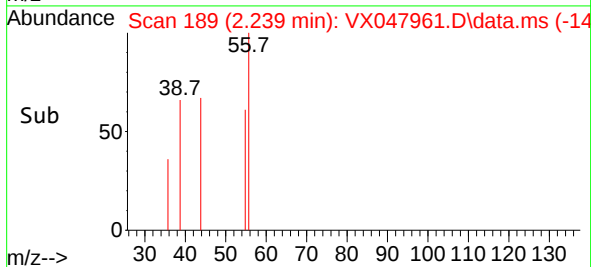
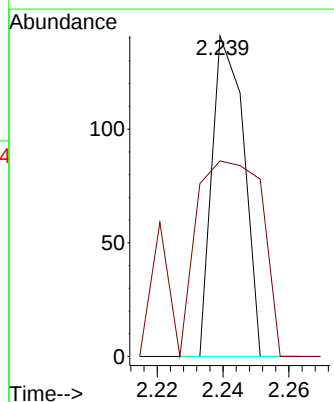
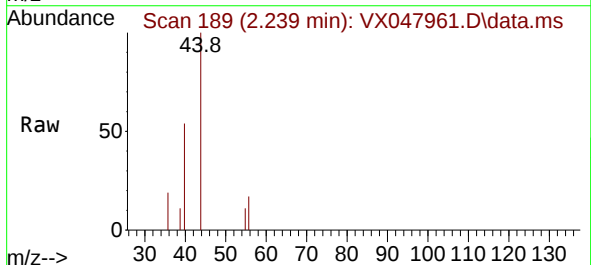


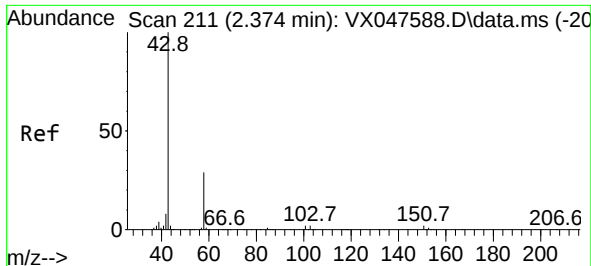
Tgt Ion:142 Resp: 641
Ion Ratio Lower Upper
142 100
127 40.7 37.2 55.8
141 3.1 11.4 17.0#



#13
Acrolein
Concen: 0.402 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 148.9 57.2 85.8#

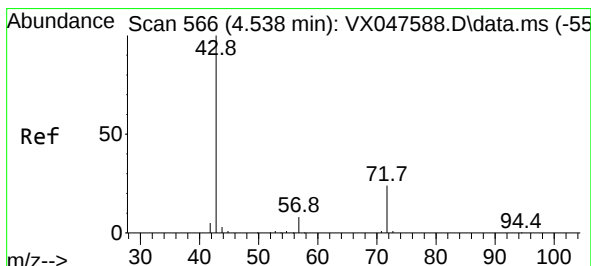
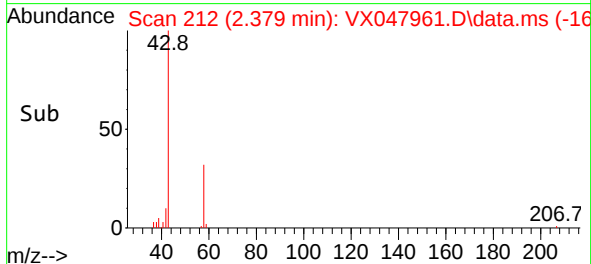
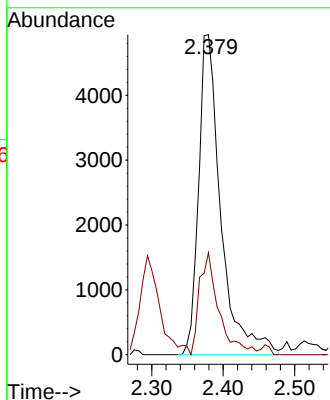
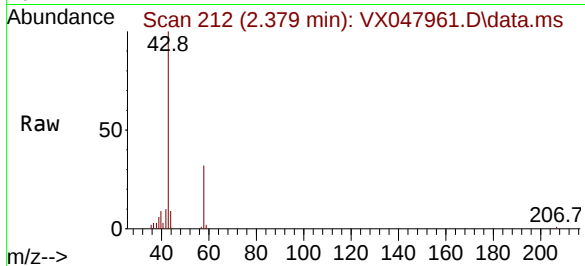




#16
Acetone
Concen: 10.764 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

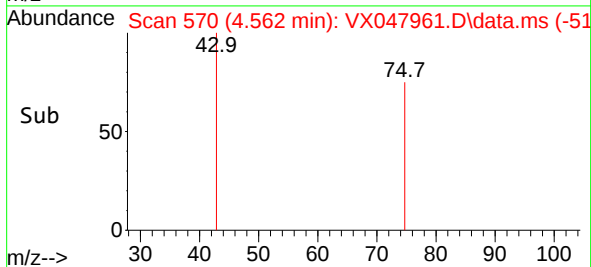
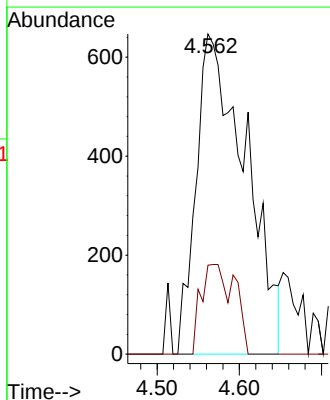
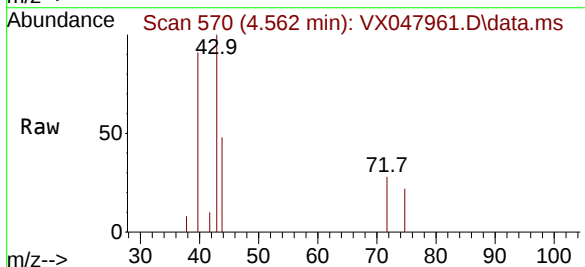
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

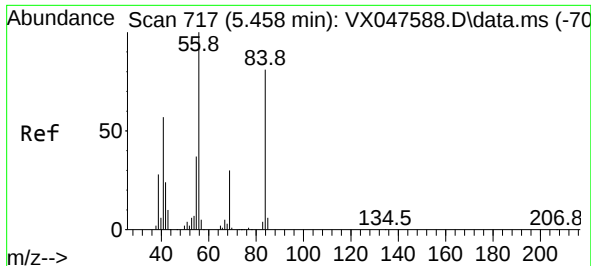
Tgt Ion: 43 Resp: 10657
Ion Ratio Lower Upper
43 100
58 31.8 23.4 35.0



#25
2-Butanone
Concen: 2.181 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 43 Resp: 2693
Ion Ratio Lower Upper
43 100
72 27.8 20.1 30.1

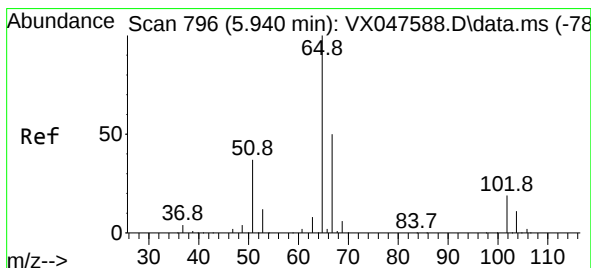
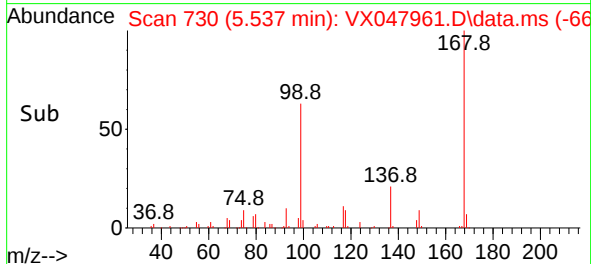
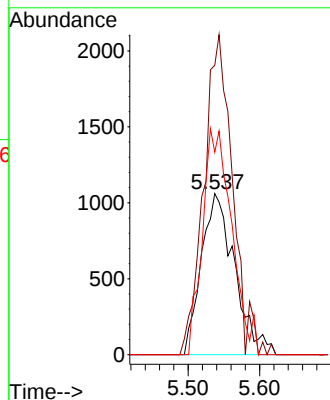
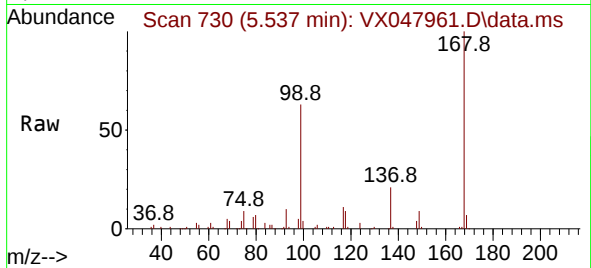




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

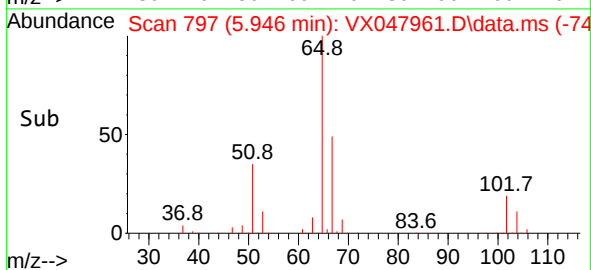
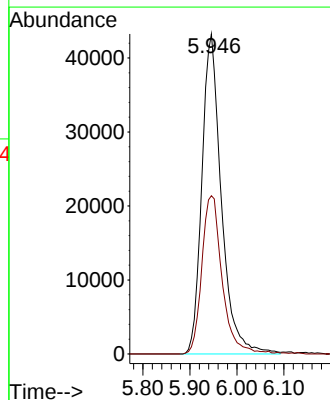
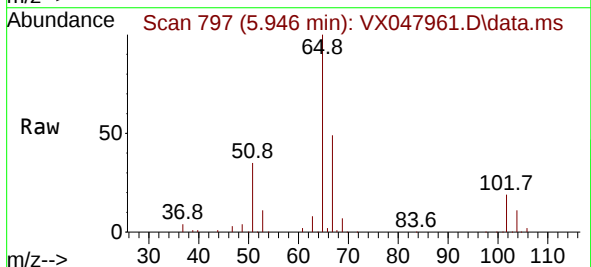
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

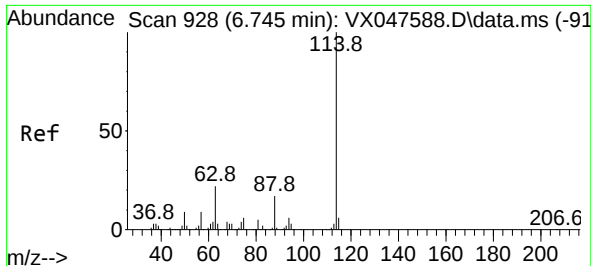
Tgt Ion: 56 Resp: 3446
Ion Ratio Lower Upper
56 100
69 179.6 23.8 35.8#
84 125.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 54.692 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 65 Resp: 124531
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

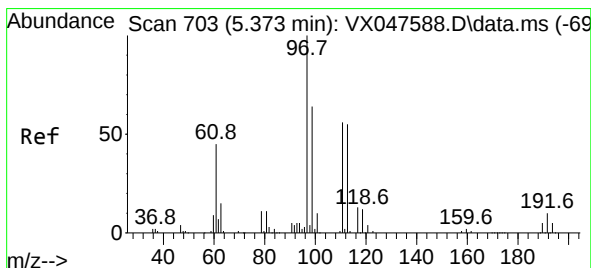
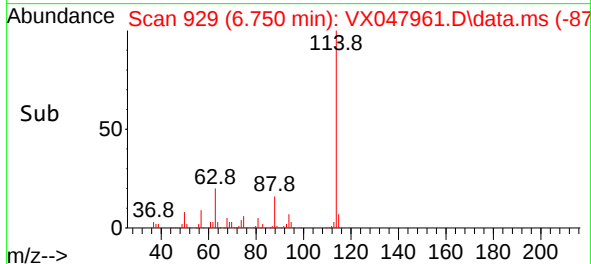
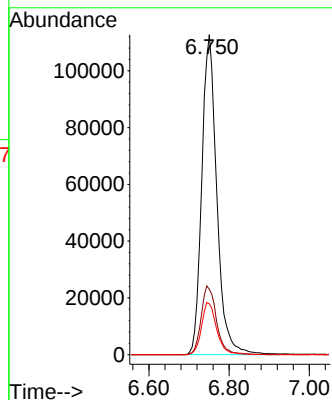
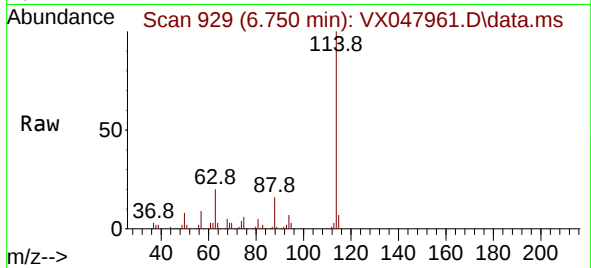




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.750 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

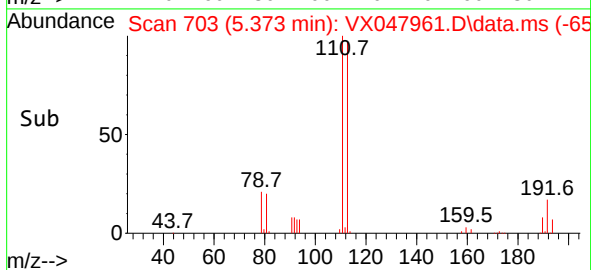
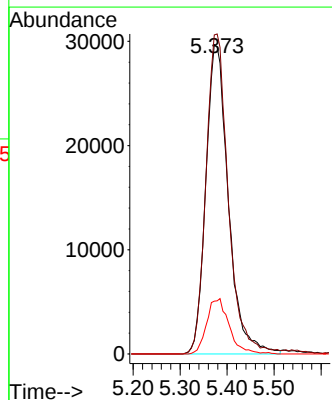
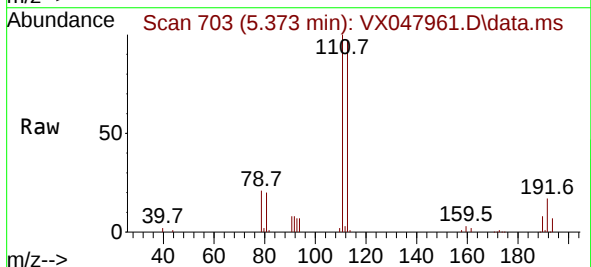
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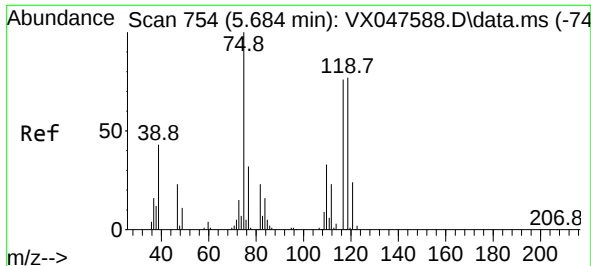
Tgt Ion:114 Resp: 293439
Ion Ratio Lower Upper
114 100
63 20.4 0.0 44.0
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion:113 Resp: 98868
Ion Ratio Lower Upper
113 100
111 102.3 80.9 121.3
192 17.7 14.2 21.4

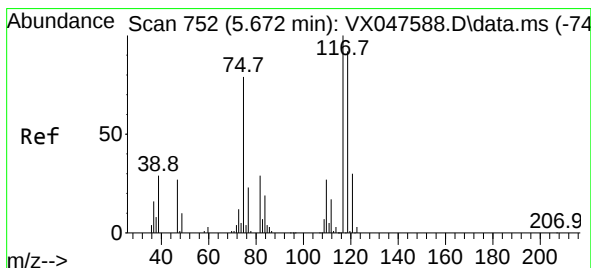
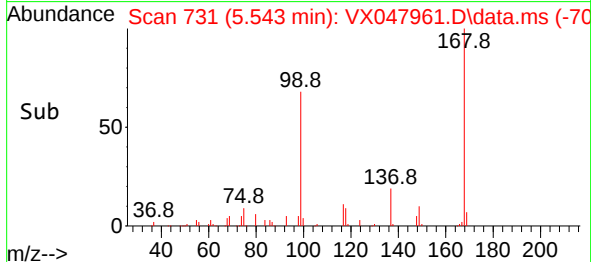
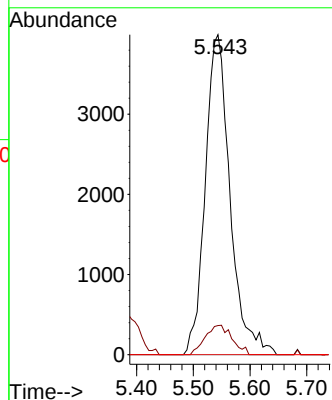
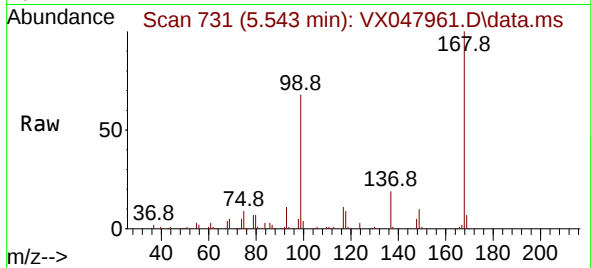




#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

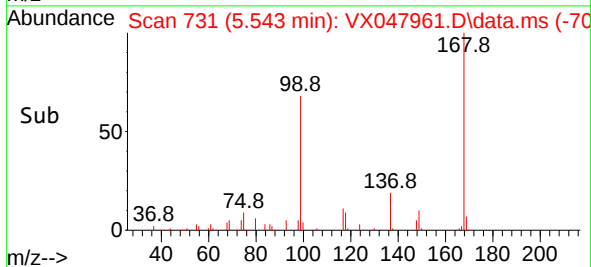
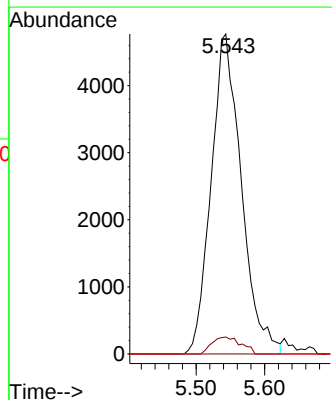
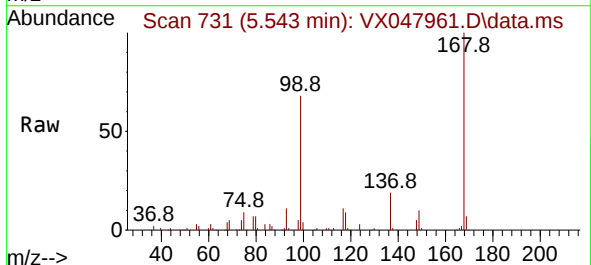
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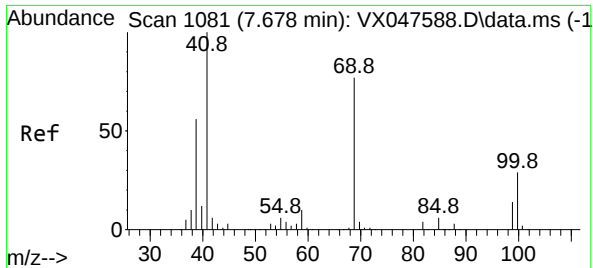
Tgt Ion: 75 Resp: 12124
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.672 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 117 Resp: 14598
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 23.8 35.6#

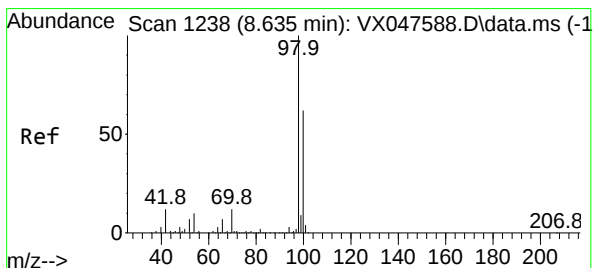
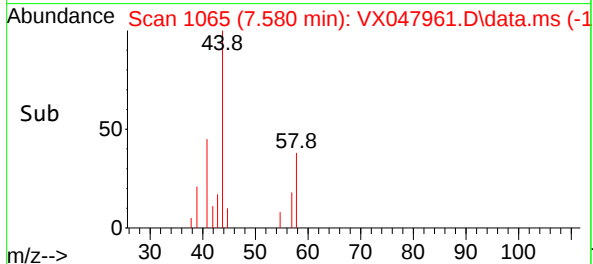
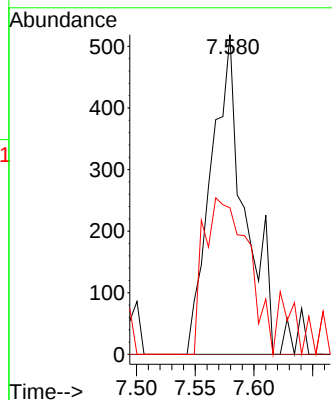
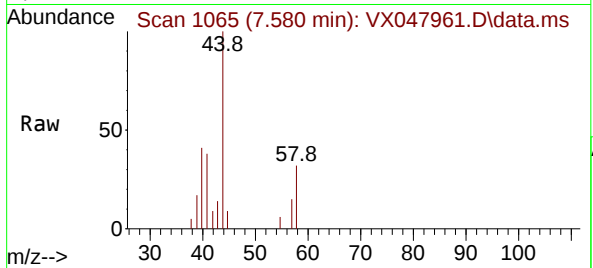




#48
Methyl methacrylate
Concen: 0.408 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.098 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

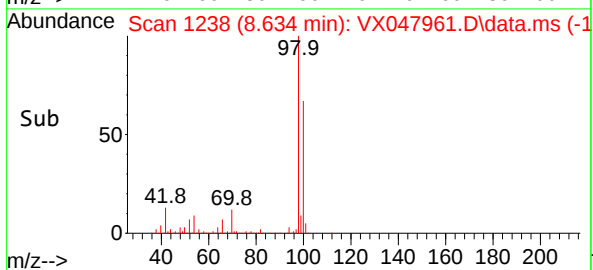
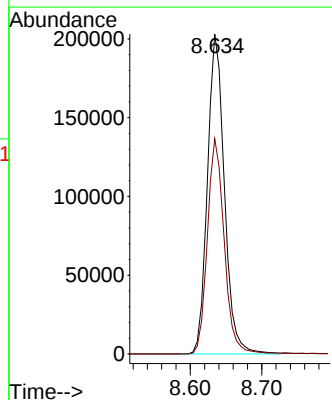
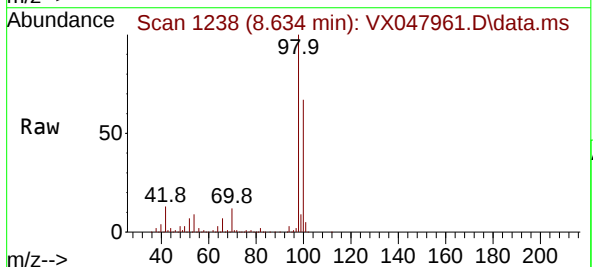
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

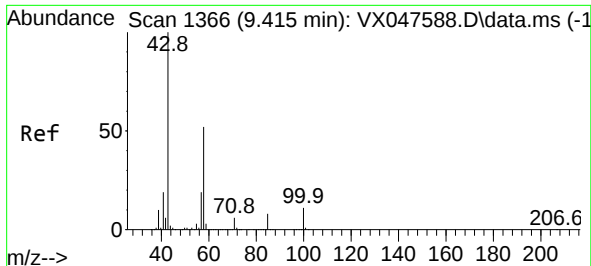
Tgt Ion: 41 Resp: 1026
Ion Ratio Lower Upper
41 100
69 0.0 61.4 92.2#
39 65.2 45.8 68.6



#50
Toluene-d8
Concen: 49.146 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 98 Resp: 334661
Ion Ratio Lower Upper
98 100
100 67.1 53.0 79.4

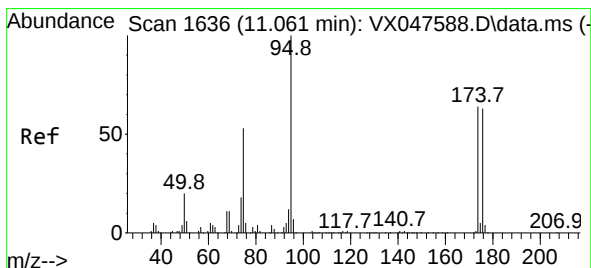
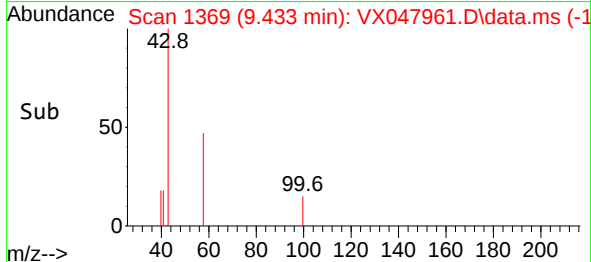
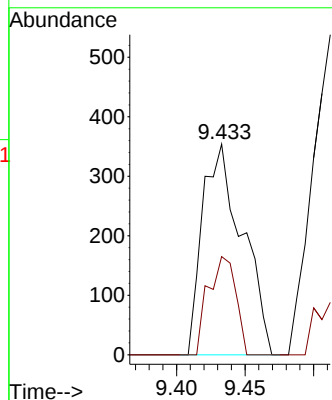
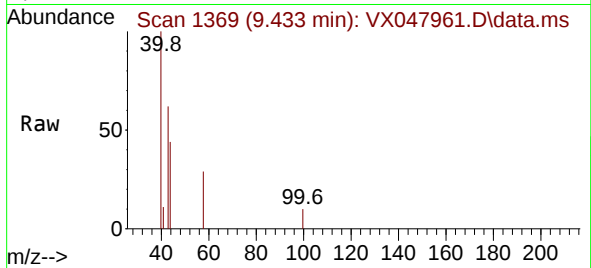




#59
2-Hexanone
Concen: 0.357 ug/l
RT: 9.433 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

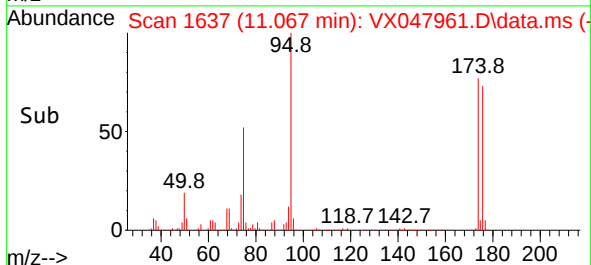
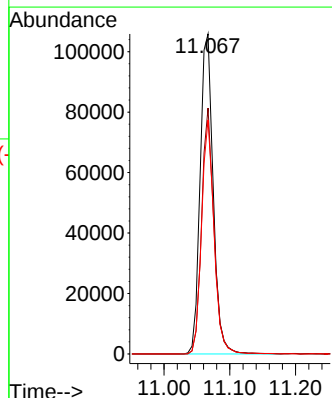
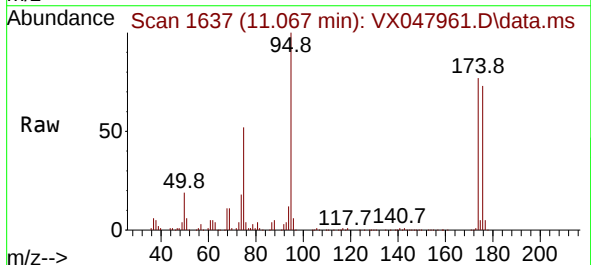
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

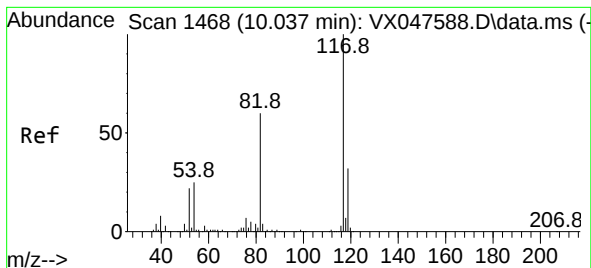
Tgt Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
58 32.1 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 56.556 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 95 Resp: 146161
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 69.9 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.036 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047961.D

Acq: 02 Oct 2025 12:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-500-502

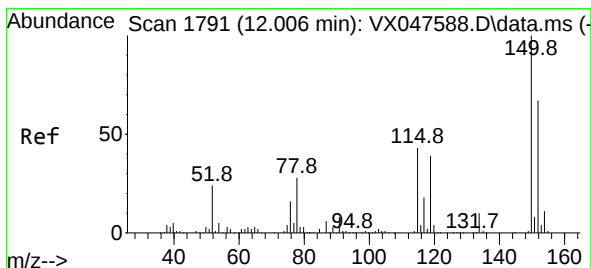
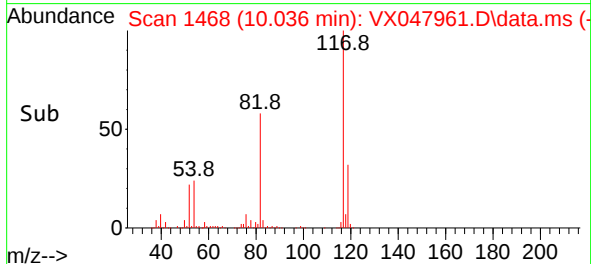
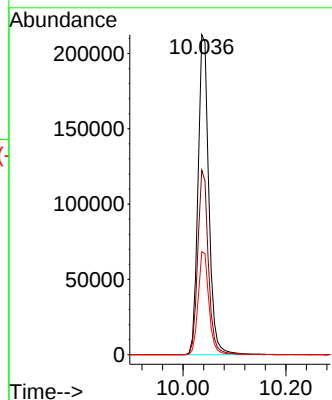
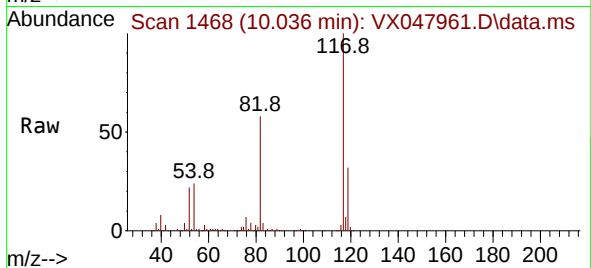
Tgt Ion:117 Resp: 309899

Ion Ratio Lower Upper

117 100

82 57.7 47.8 71.6

119 32.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX047961.D

Acq: 02 Oct 2025 12:46

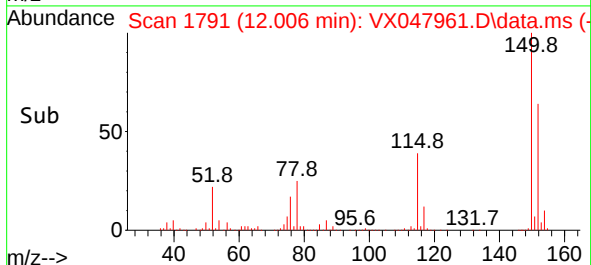
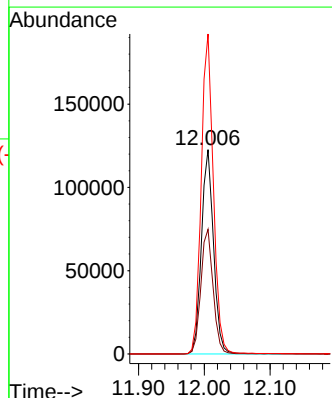
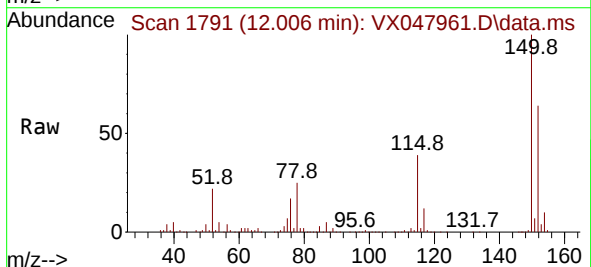
Tgt Ion:152 Resp: 156960

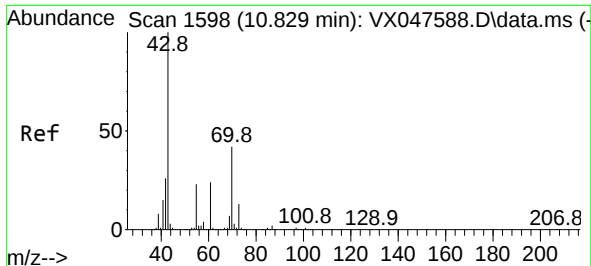
Ion Ratio Lower Upper

152 100

115 61.6 44.9 134.5

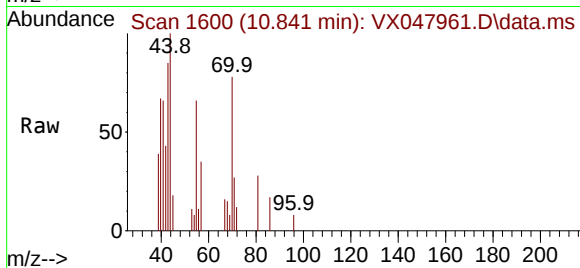
150 156.6 0.0 352.0



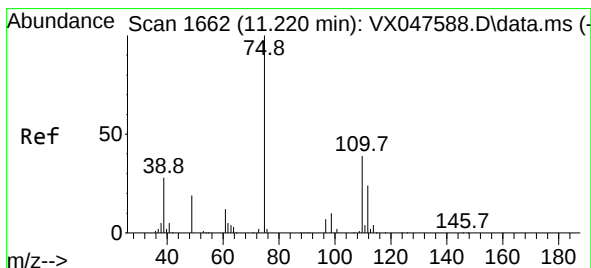
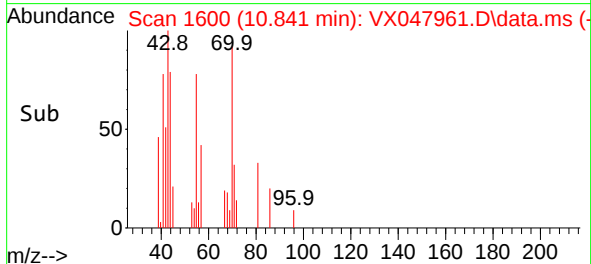
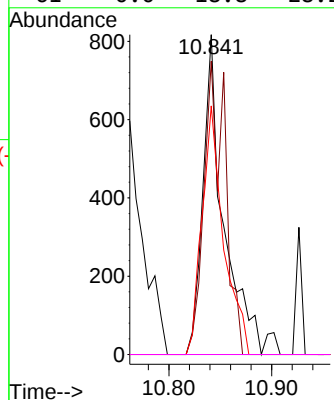


#74
N-amy1 acetate
Concen: 0.216 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.012 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

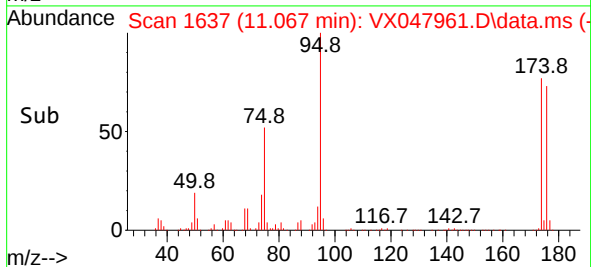
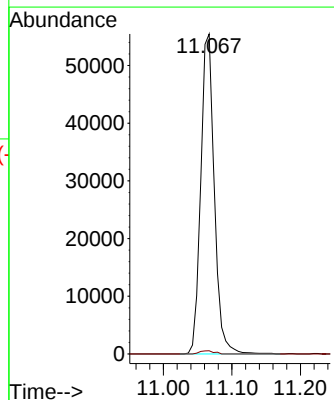
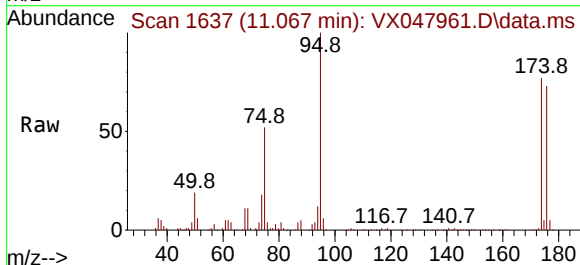


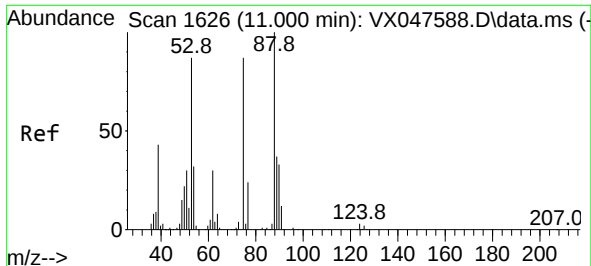
Tgt Ion	Ratio	Lower	Upper
43	100		
70	90.9	32.0	48.0#
55	78.9	18.9	28.3#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 24.096 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.153 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	18.8	56.4#

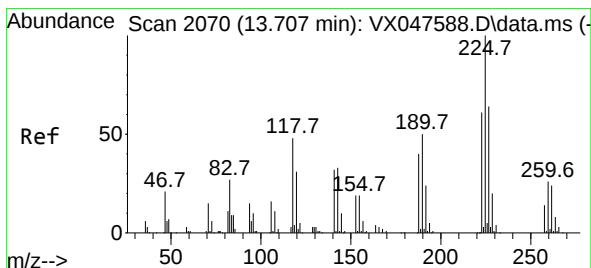
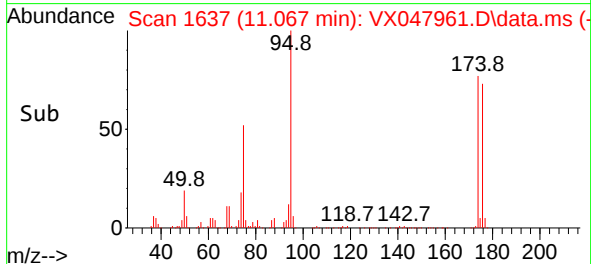
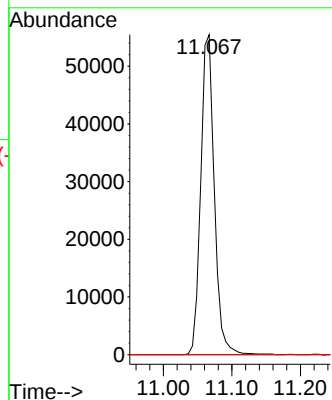
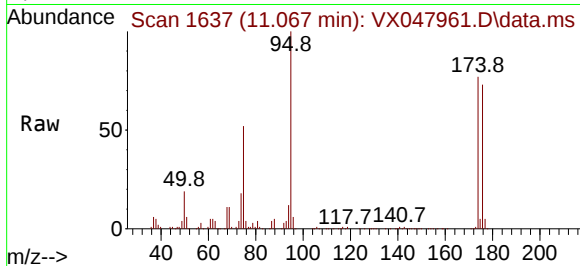




#81
trans-1,4-Dichloro-2-butene
Concen: 61.449 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.067 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-500-502

Tgt Ion: 75 Resp: 76577
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.273 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047961.D
Acq: 02 Oct 2025 12:46

Tgt Ion: 225 Resp: 313
Ion Ratio Lower Upper
225 100
223 67.7 31.7 95.1
227 48.6 32.0 96.0

