

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101025\
 Data File : VX048108.D
 Acq On : 10 Oct 2025 13:52
 Operator : JC/MD
 Sample : Q3324-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-780-782

Quant Time: Oct 10 23:48:04 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)

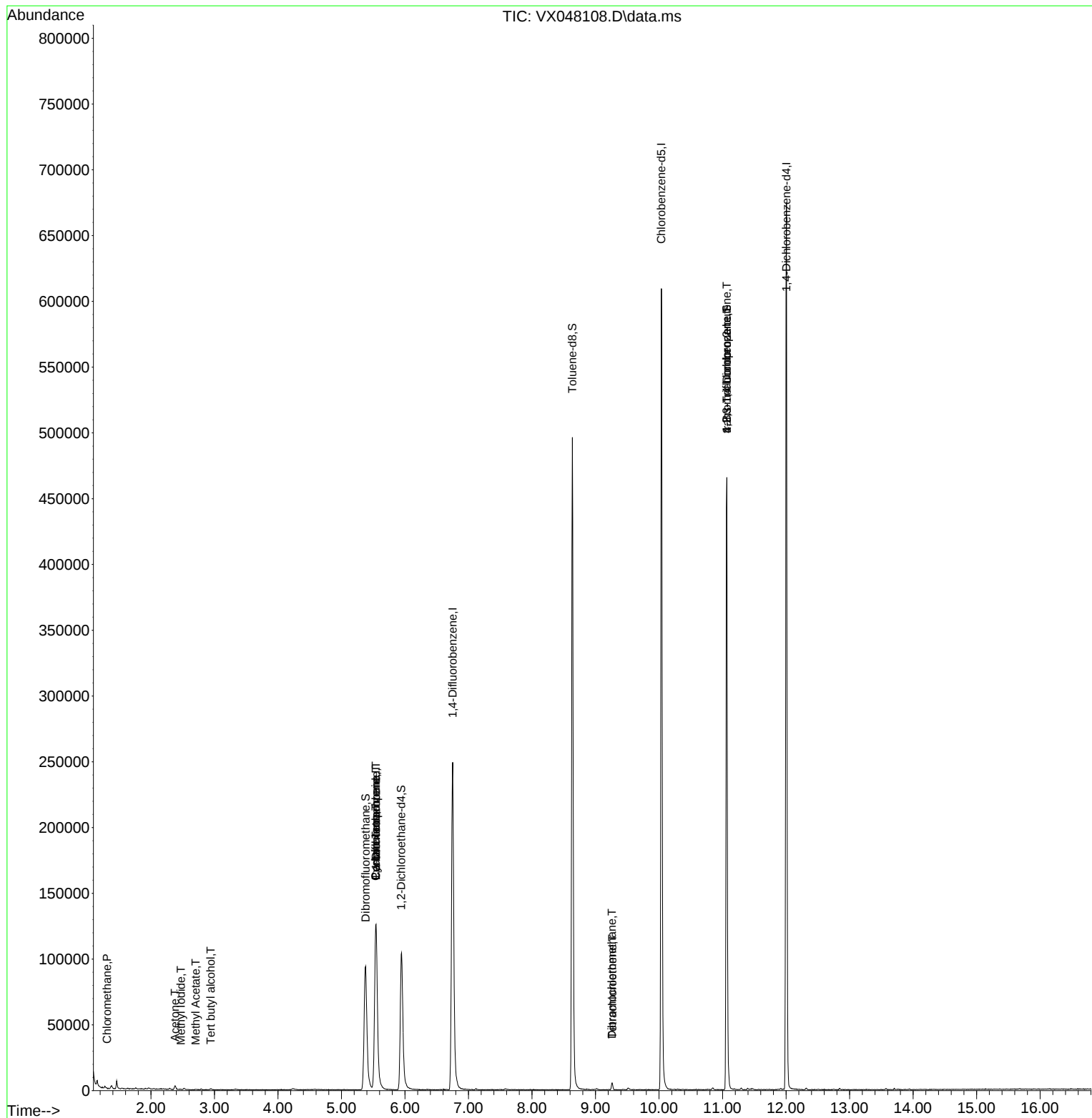
Internal Standards						
1) Pentafluorobenzene	5.544	168	125212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	264788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	284245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	113353	56.874	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.740%
35) Dibromofluoromethane	5.379	113	90647	51.045	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.100%
50) Toluene-d8	8.635	98	306680	49.910	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.820%
62) 4-Bromofluorobenzene	11.067	95	133700	57.332	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.660%
Target Compounds						
						Qvalue
3) Chloromethane	1.307	50	349	0.205	ug/l	91
10) Methyl Iodide	2.471	142	475	0.210	ug/l #	85
11) Tert butyl alcohol	2.940	59	123	0.554	ug/l #	72
16) Acetone	2.380	43	3707	4.278	ug/l	100
18) Methyl Acetate	2.703	43	413	0.214	ug/l #	54
31) Cyclohexane	5.538	56	3266	1.240	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11302	4.355	ug/l #	50
38) Carbon Tetrachloride	5.544	117	13937	4.943	ug/l #	19
60) Dibromochloromethane	9.256	129	1009	0.468	ug/l #	11
64) Tetrachloroethene	9.262	164	961	0.519	ug/l #	84
76) 1,2,3-Trichloropropane	11.067	75	71754	25.363	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	71754	64.680	ug/l #	8

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

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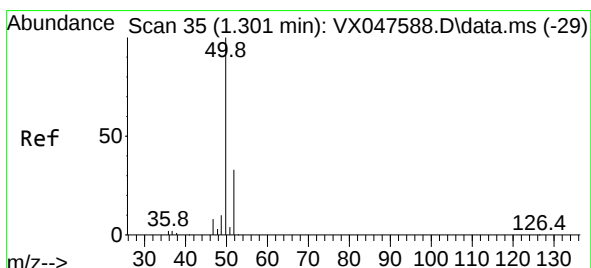
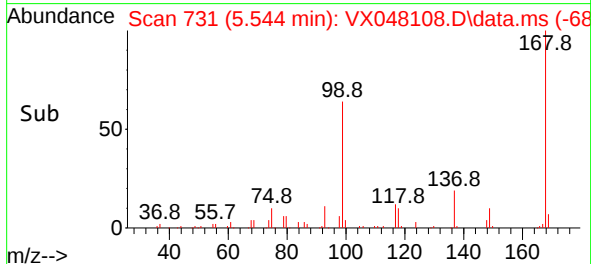
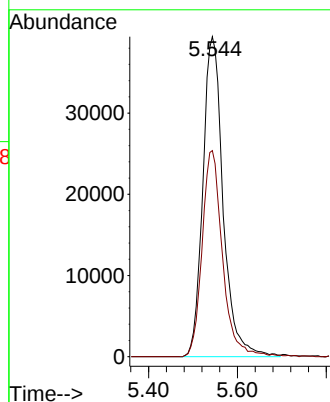
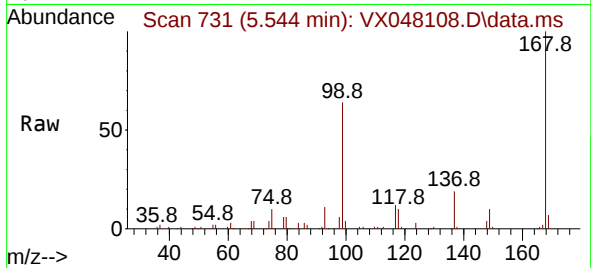




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

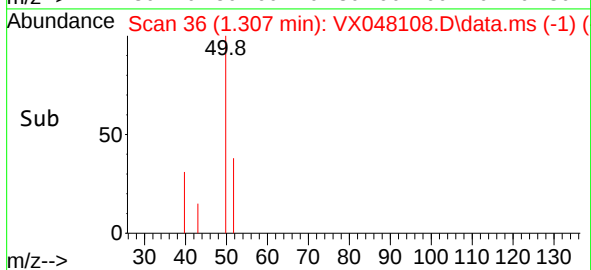
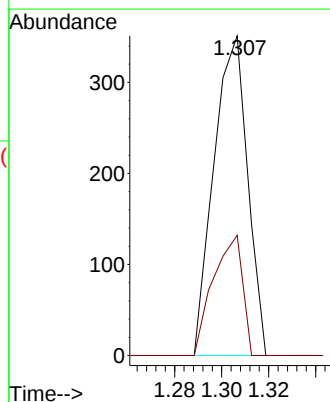
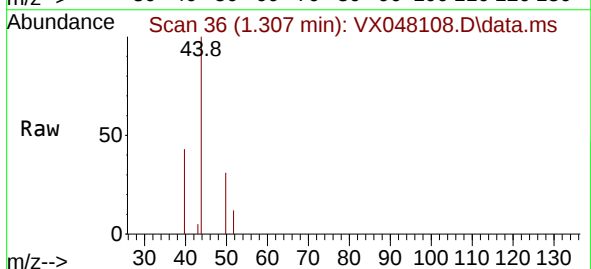
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

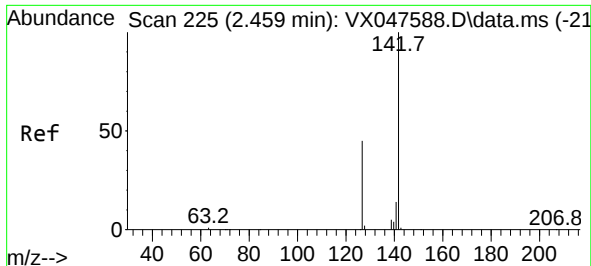
Tgt Ion:168 Resp: 125212
Ion Ratio Lower Upper
168 100
99 64.4 48.8 73.2



#3
Chloromethane
Concen: 0.205 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 37.6 26.1 39.1





#10

Methyl Iodide

Concen: 0.210 ug/l

RT: 2.471 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX048108.D

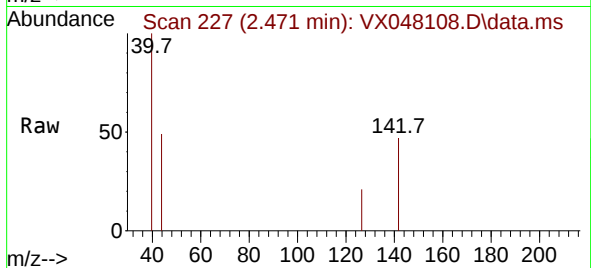
Acq: 10 Oct 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-780-782



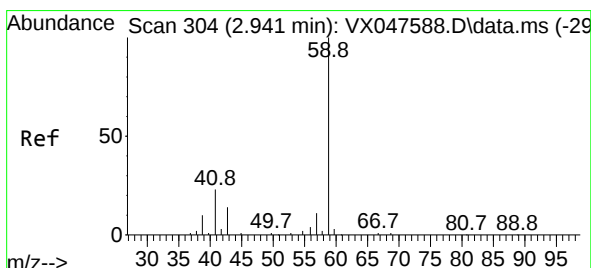
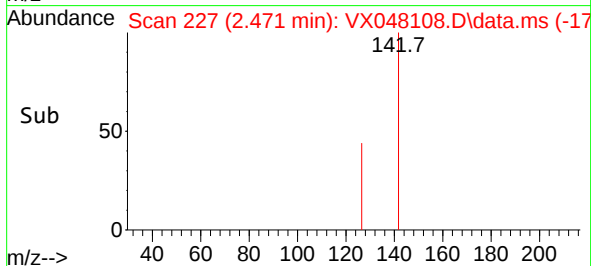
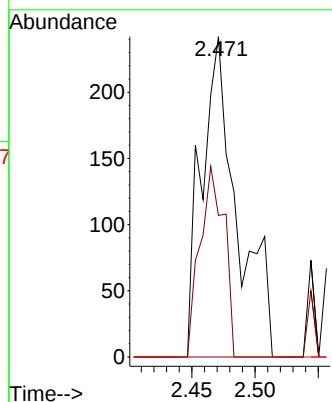
Tgt Ion:142 Resp: 475

Ion Ratio Lower Upper

142 100

127 40.4 37.2 55.8

141 0.0 11.4 17.0#



#11

Tert butyl alcohol

Concen: 0.554 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX048108.D

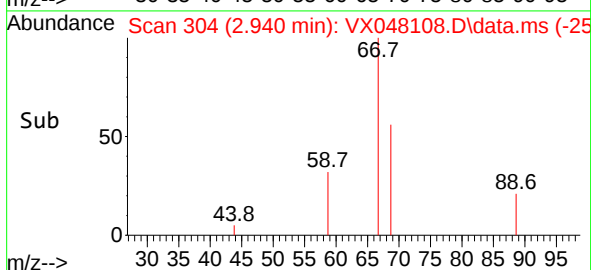
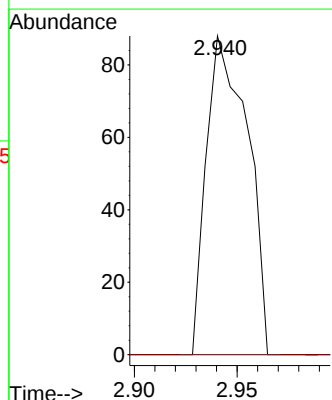
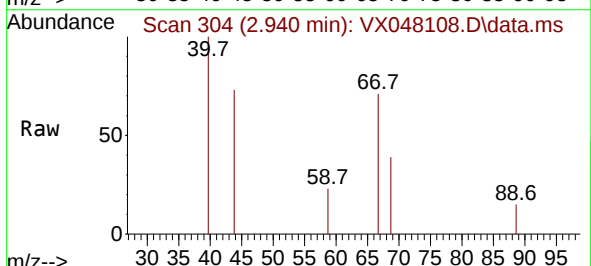
Acq: 10 Oct 2025 13:52

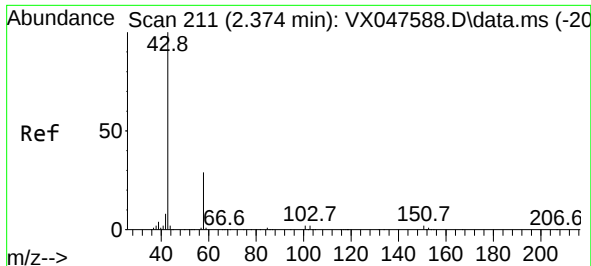
Tgt Ion: 59 Resp: 123

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

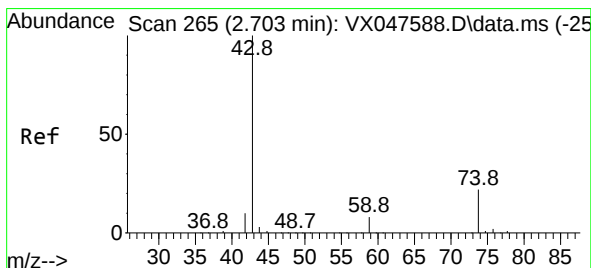
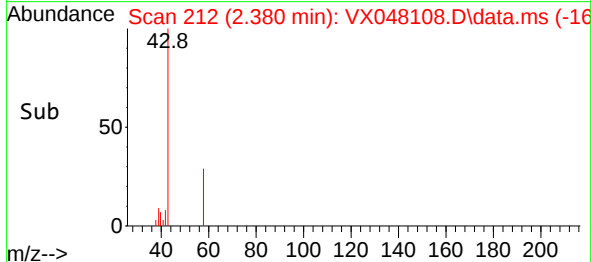
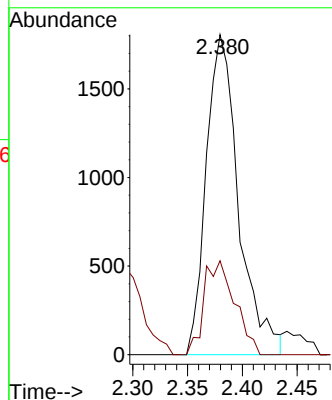
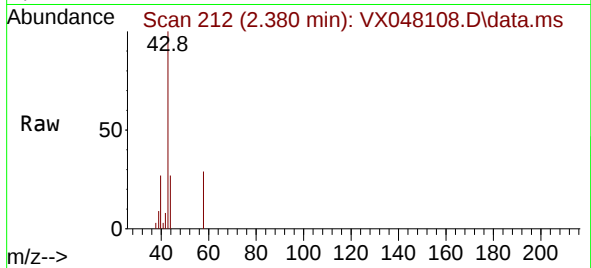




#16
Acetone
Concen: 4.278 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

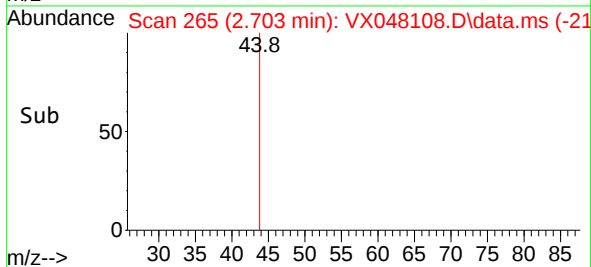
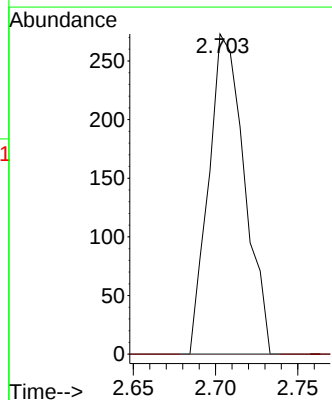
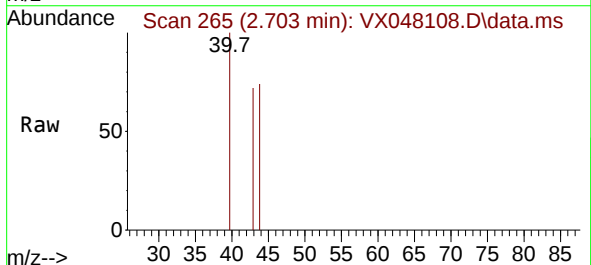
Instrument :
MSVOA_X
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BP-VPB-184-GW-780-782

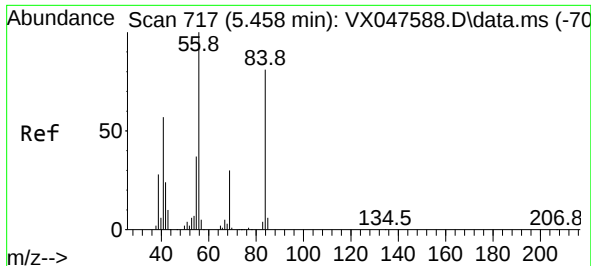
Tgt Ion: 43 Resp: 3707
Ion Ratio Lower Upper
43 100
58 29.3 23.4 35.0



#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

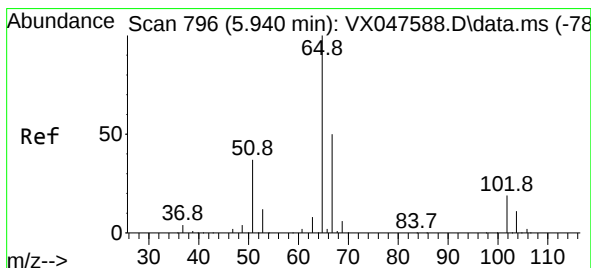
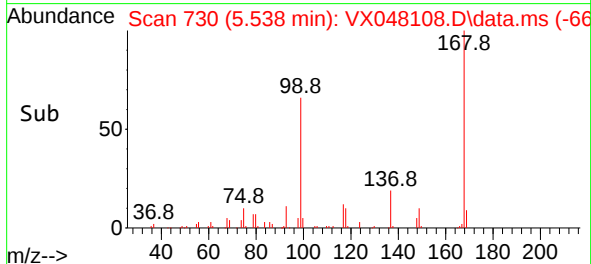
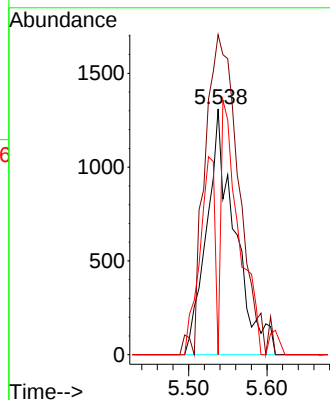
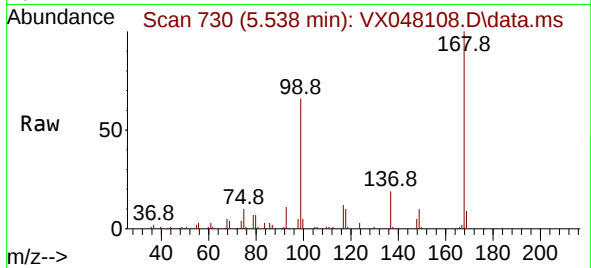




#31
Cyclohexane
Concen: 1.240 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

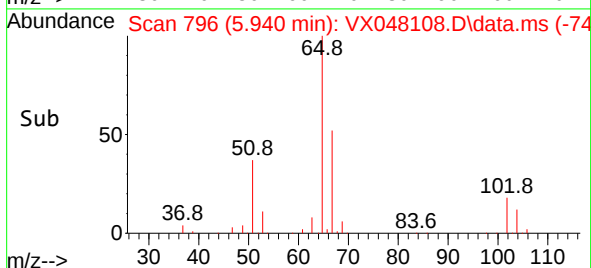
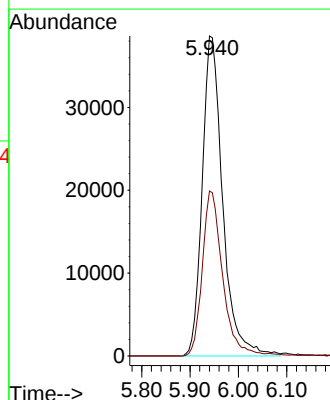
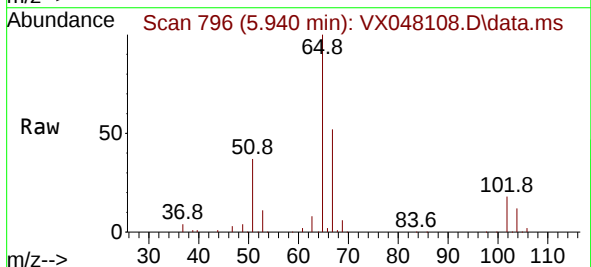
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

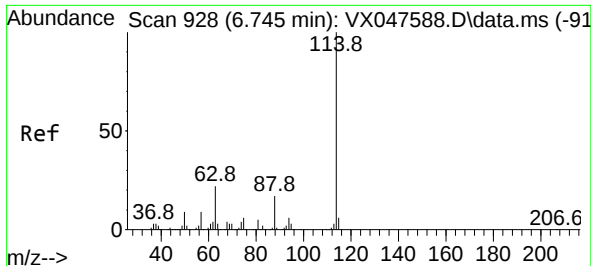
Tgt Ion: 56 Resp: 3266
Ion Ratio Lower Upper
56 100
69 130.2 23.8 35.8#
84 0.0 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 56.874 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

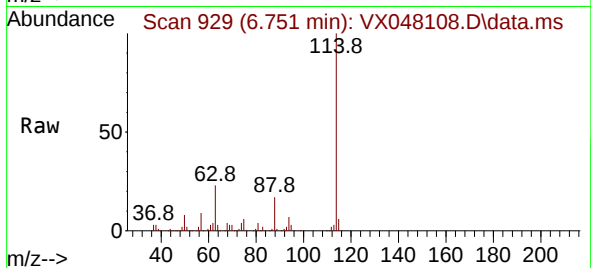
Tgt Ion: 65 Resp: 113353
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



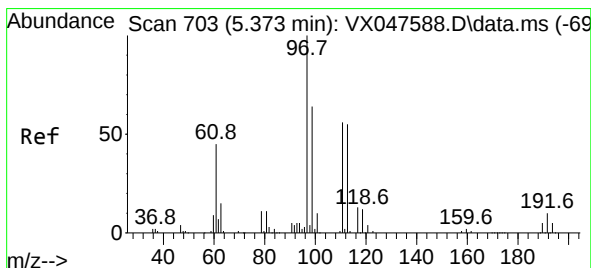
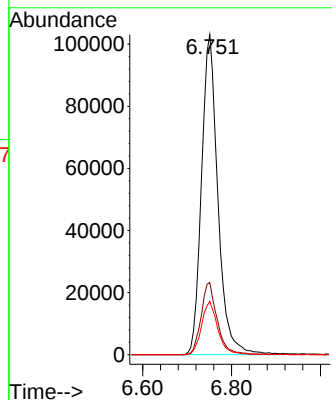
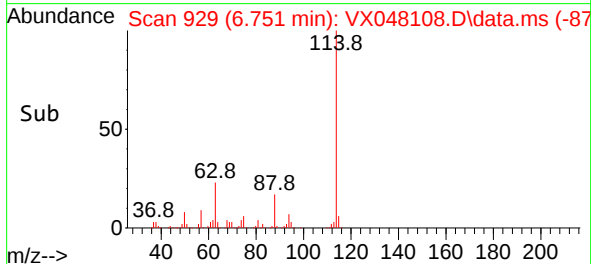


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

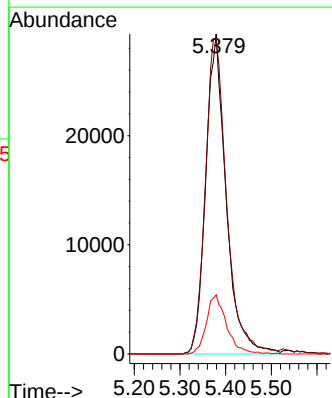
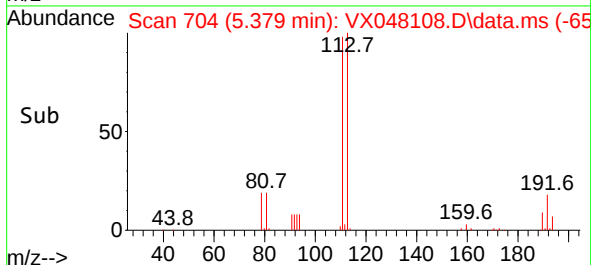
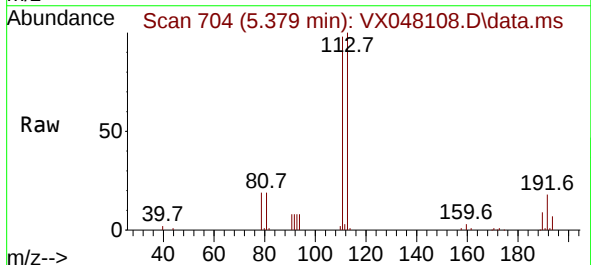


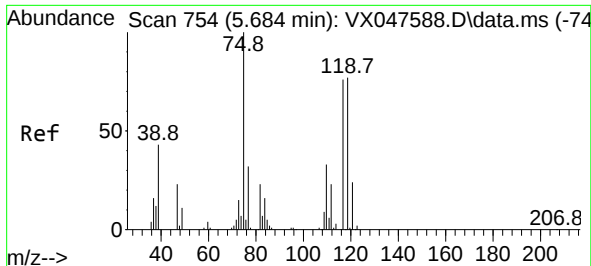
Tgt Ion:114 Resp: 264788
Ion Ratio Lower Upper
114 100
63 22.5 0.0 44.0
88 16.6 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.045 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion:113 Resp: 90647
Ion Ratio Lower Upper
113 100
111 103.3 80.9 121.3
192 18.3 14.2 21.4

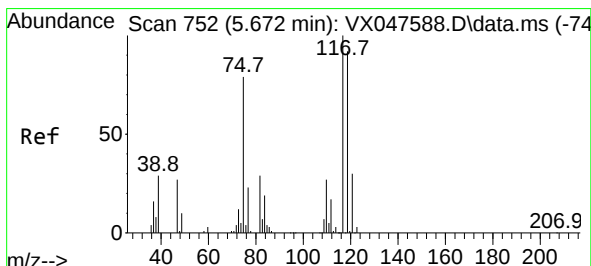
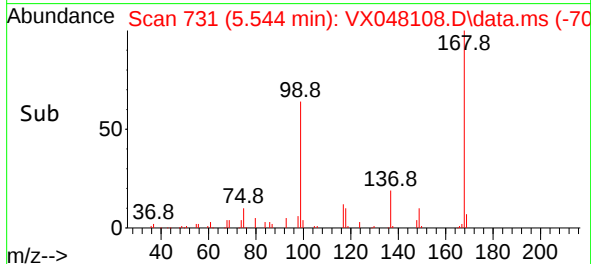
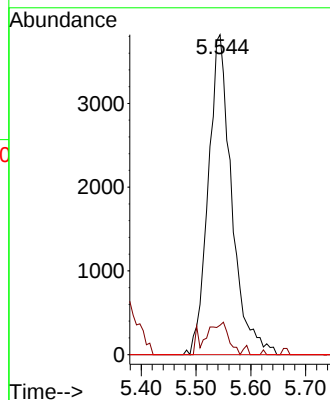
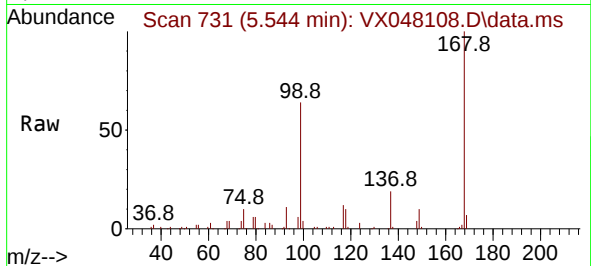




#36
1,1-Dichloropropene
Concen: 4.355 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

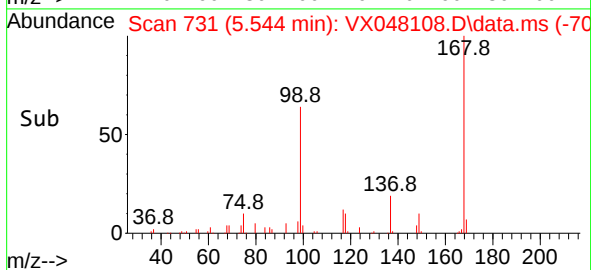
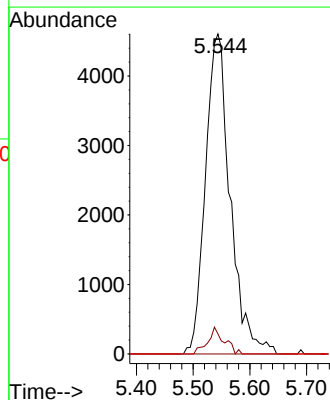
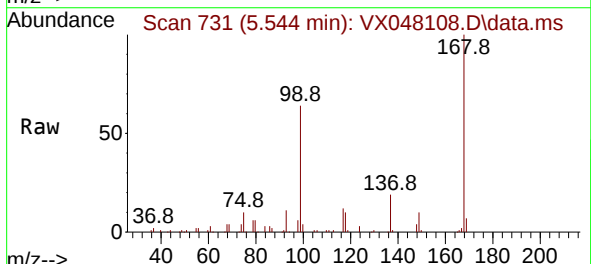
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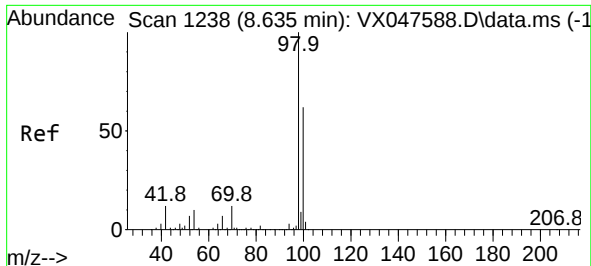
Tgt Ion: 75 Resp: 11302
Ion Ratio Lower Upper
75 100
110 8.1 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.943 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion: 117 Resp: 13937
Ion Ratio Lower Upper
117 100
119 6.2 73.4 110.2#
121 0.0 23.8 35.6#

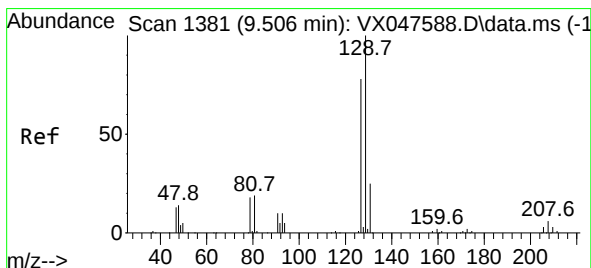
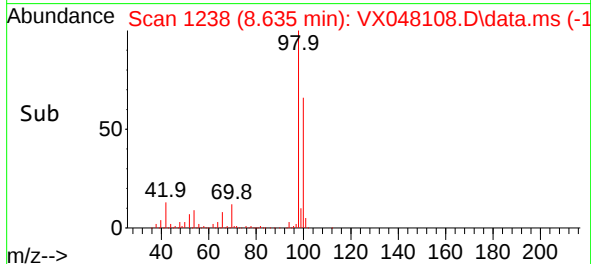
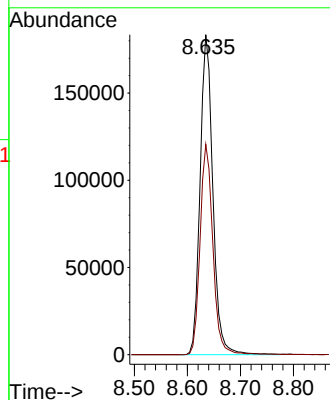
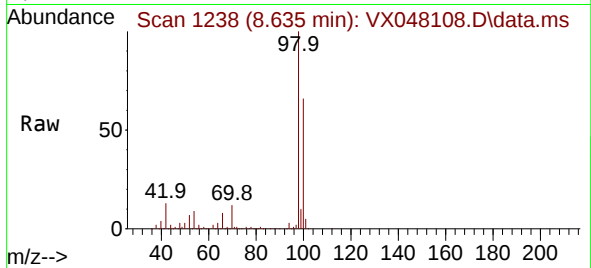




#50
Toluene-d8
Concen: 49.910 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

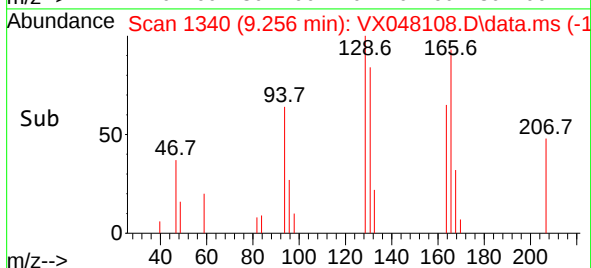
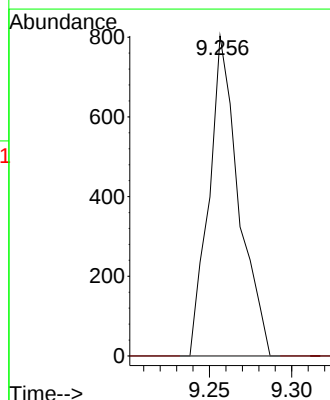
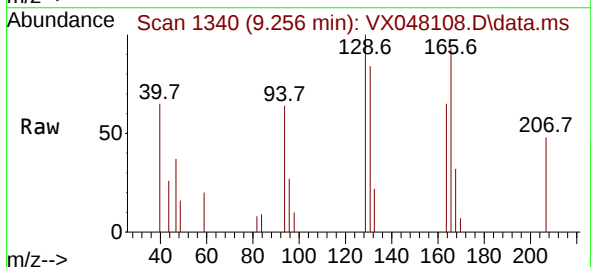
Instrument :
MSVOA_X
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BP-VPB-184-GW-780-782

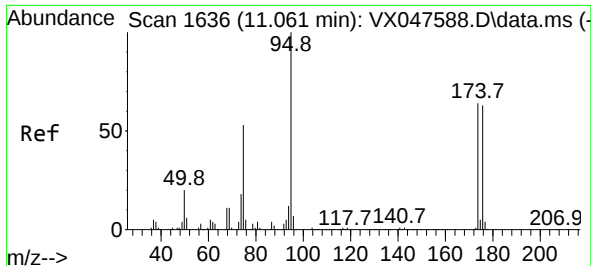
Tgt Ion: 98 Resp: 306680
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.4



#60
Dibromochloromethane
Concen: 0.468 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.250 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion:129 Resp: 1009
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

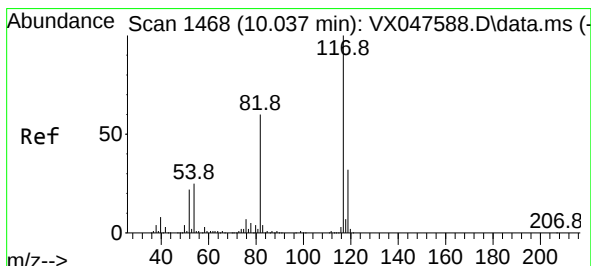
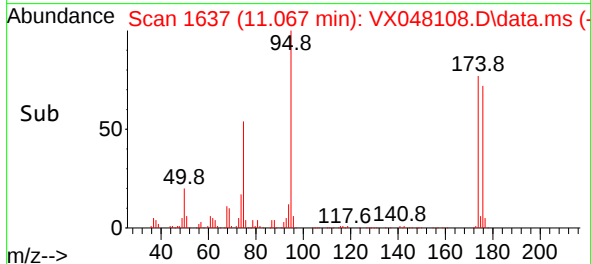
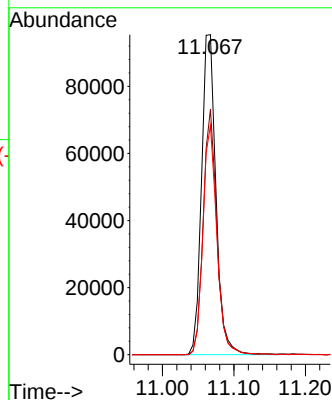
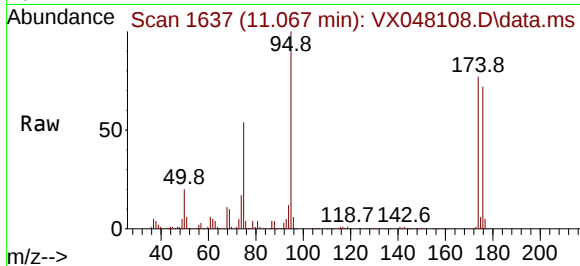




#62
4-Bromofluorobenzene
Concen: 57.332 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

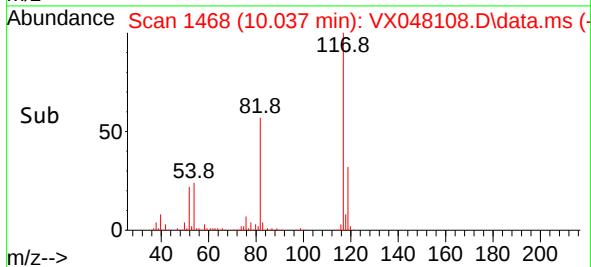
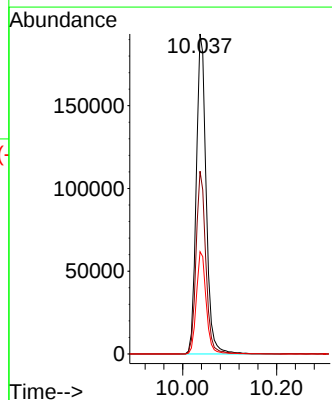
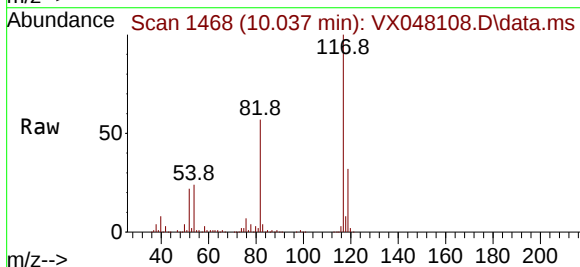
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

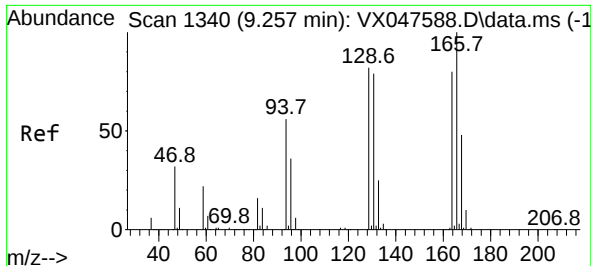
Tgt Ion: 95 Resp: 133700
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 69.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion: 117 Resp: 284245
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 31.9 25.2 37.8

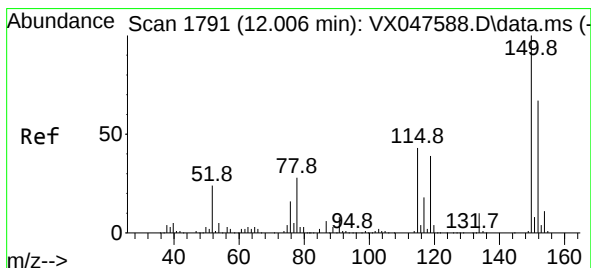
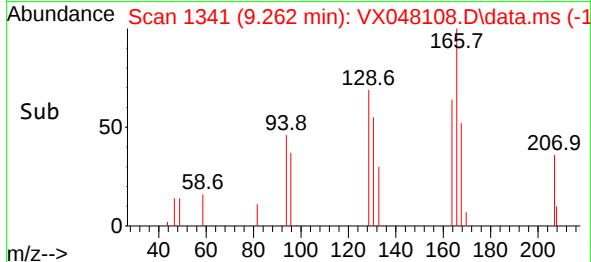
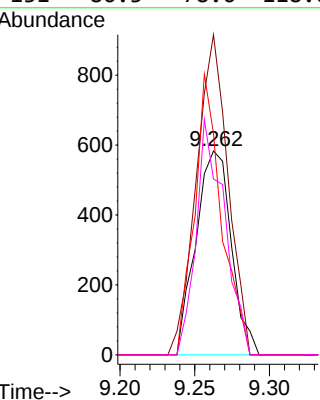
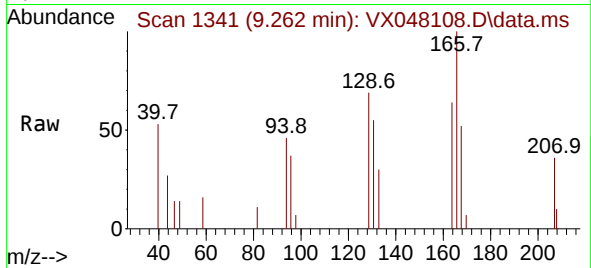




#64
Tetrachloroethene
Concen: 0.519 ug/l
RT: 9.262 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

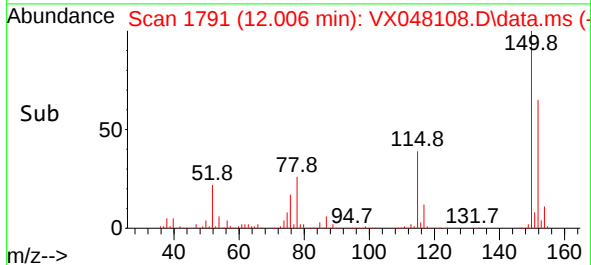
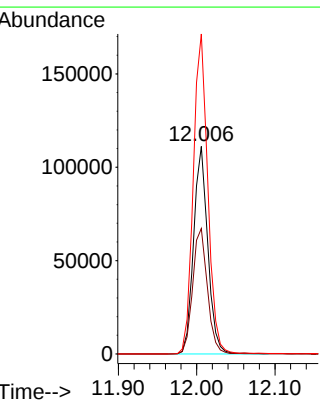
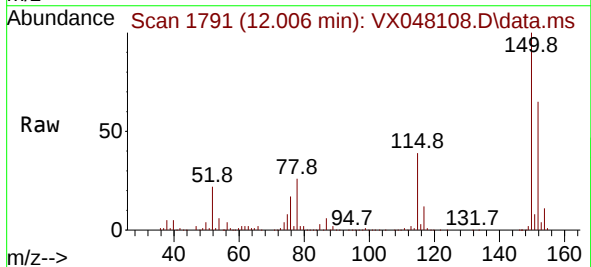
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-780-782

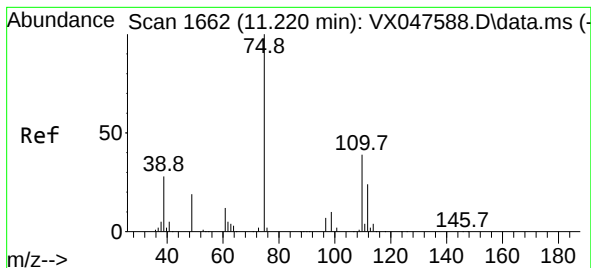
Tgt Ion:164 Resp: 961
Ion Ratio Lower Upper
164 100
166 157.1 100.2 150.2#
129 108.6 81.8 122.6
131 86.3 78.6 118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048108.D
Acq: 10 Oct 2025 13:52

Tgt Ion:152 Resp: 139728
Ion Ratio Lower Upper
152 100
115 62.9 44.9 134.5
150 157.9 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 25.363 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.153 min

Lab File: VX048108.D

Acq: 10 Oct 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

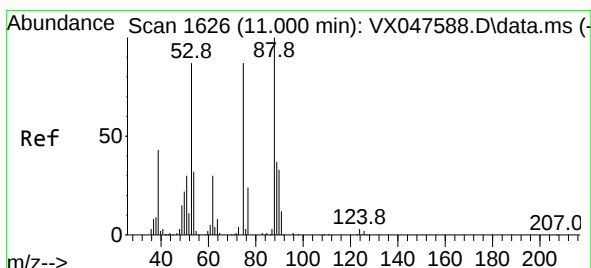
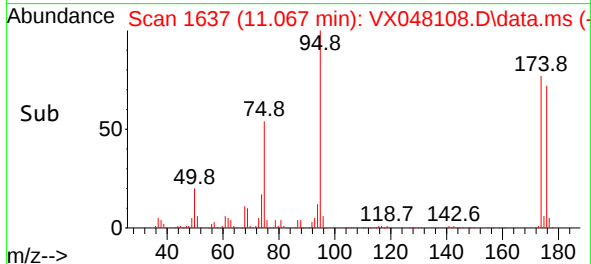
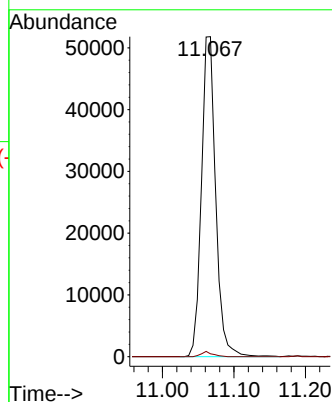
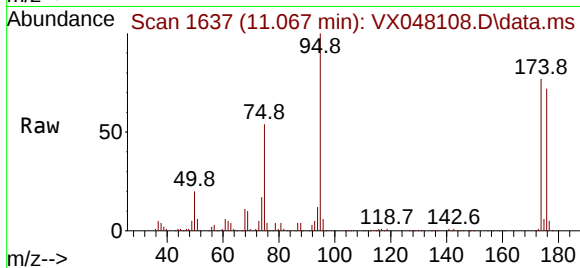
BP-VPB-184-GW-780-782

Tgt Ion: 75 Resp: 71754

Ion Ratio Lower Upper

75 100

77 1.3 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.680 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.067 min

Lab File: VX048108.D

Acq: 10 Oct 2025 13:52

Tgt Ion: 75 Resp: 71754

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

