

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047802.D
 Acq On : 25 Sep 2025 11:46
 Operator : JC/MD
 Sample : Q3165-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-240-242

Quant Time: Sep 26 01:25:21 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)

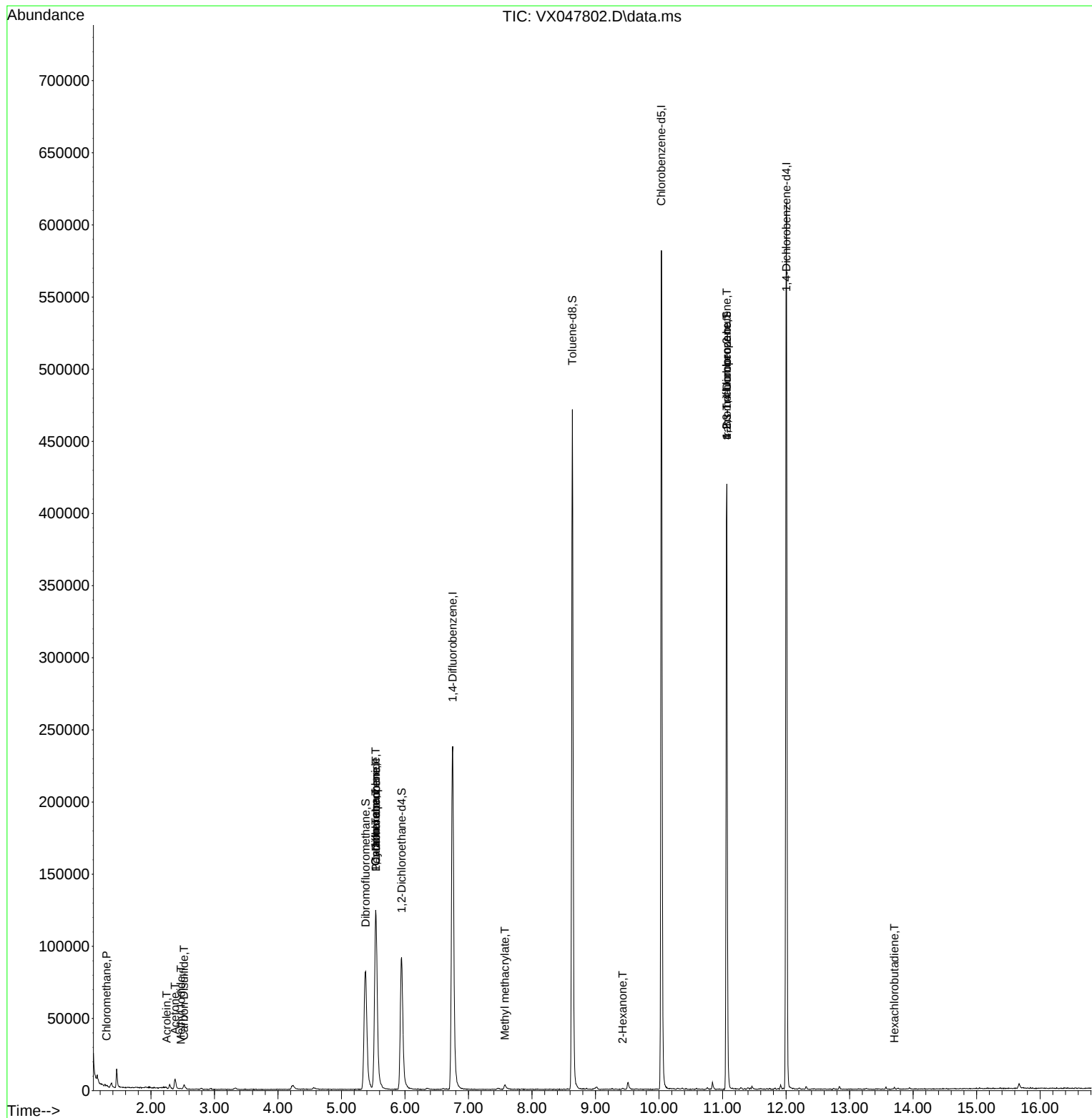
Internal Standards						
1) Pentafluorobenzene	5.544	168	123778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	260434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	265025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98189	49.836	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.680%		
35) Dibromofluoromethane	5.379	113	82214	47.071	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.140%		
50) Toluene-d8	8.635	98	286170	47.351	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.700%		
62) 4-Bromofluorobenzene	11.067	95	118315	51.583	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.160%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	1131	0.671	ug/l #	88
10) Methyl Iodide	2.471	142	607	0.272	ug/l #	86
13) Acrolein	2.245	56	209	1.034	ug/l	94
16) Acetone	2.380	43	9289	10.843	ug/l #	87
17) Carbon Disulfide	2.520	76	2412	0.599	ug/l	96
31) Cyclohexane	5.538	56	2454	0.943	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10633	4.166	ug/l #	49
38) Carbon Tetrachloride	5.538	117	12993	4.686	ug/l #	18
48) Methyl methacrylate	7.574	41	1216	0.545	ug/l #	43
59) 2-Hexanone	9.427	43	428	0.240	ug/l	99
76) 1,2,3-Trichloropropane	11.067	75	61525	23.354	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.067	75	61525	59.557	ug/l #	8
94) Hexachlorobutadiene	13.707	225	246	0.258	ug/l	94

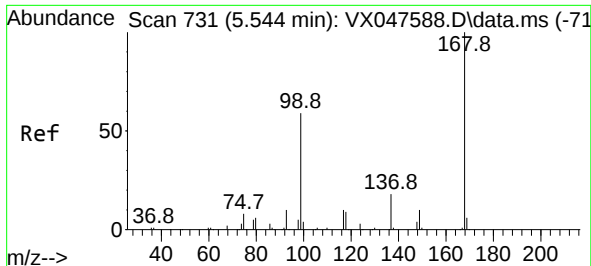
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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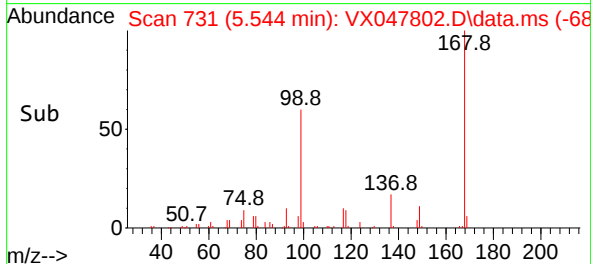
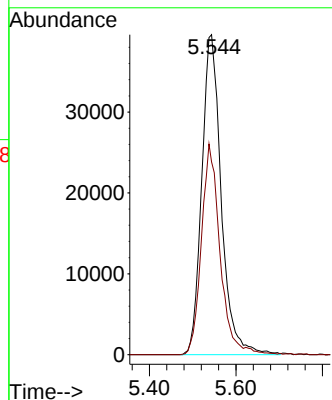
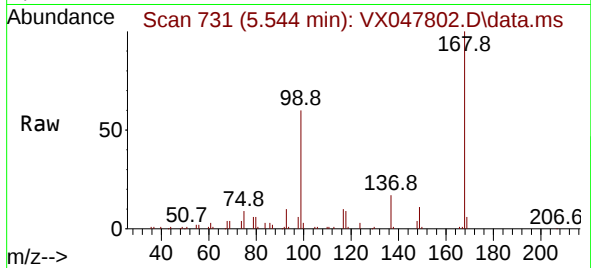




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

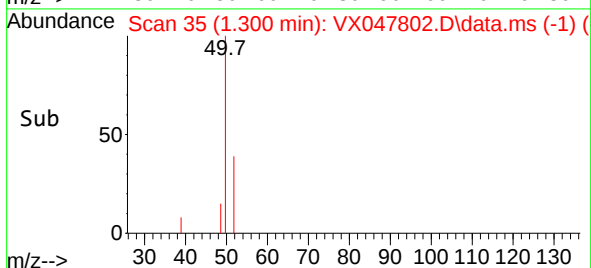
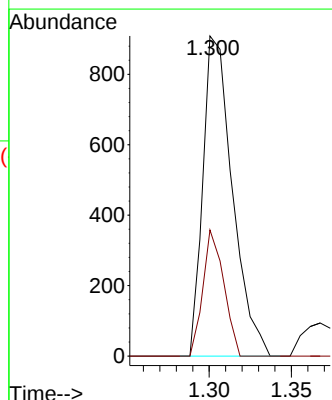
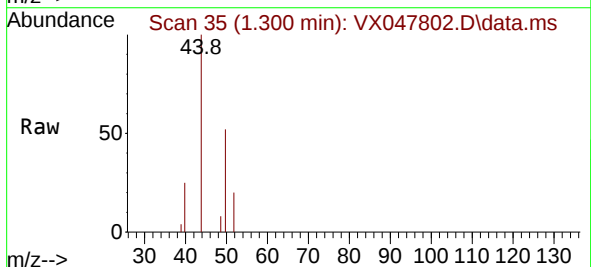
Instrument :
MSVOA_X
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BP-VPB-184-GW-240-242

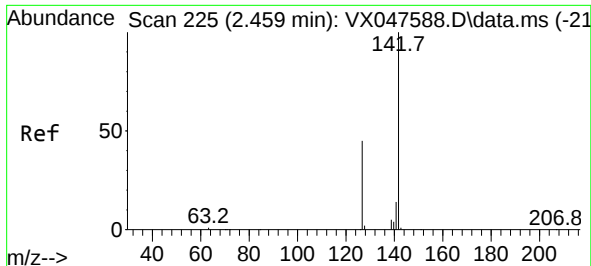
Tgt Ion:168 Resp: 123778
Ion Ratio Lower Upper
168 100
99 60.2 48.8 73.2



#3
Chloromethane
Concen: 0.671 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 50 Resp: 1131
Ion Ratio Lower Upper
50 100
52 39.4 26.1 39.1#

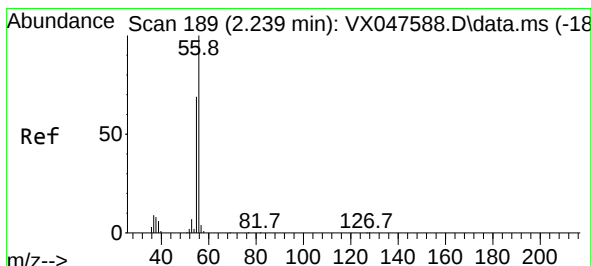
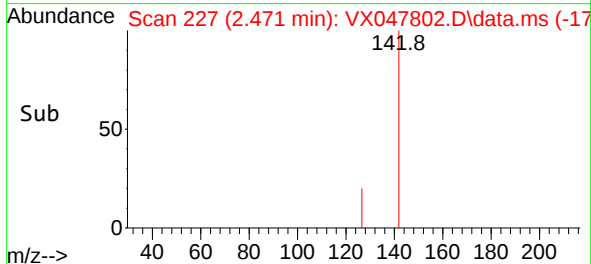
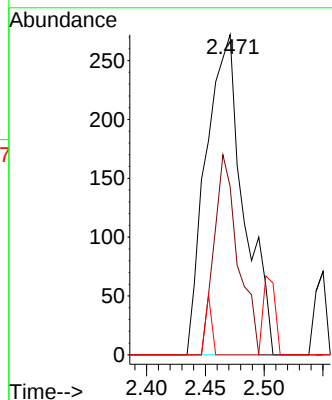
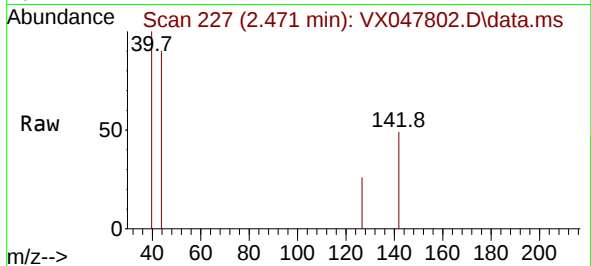




#10
Methyl Iodide
Concen: 0.272 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

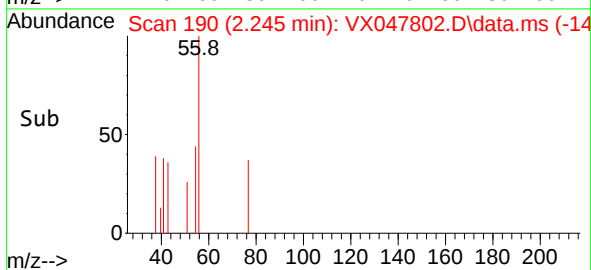
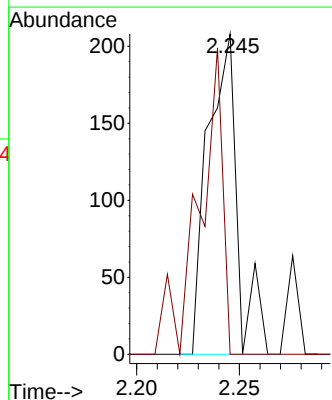
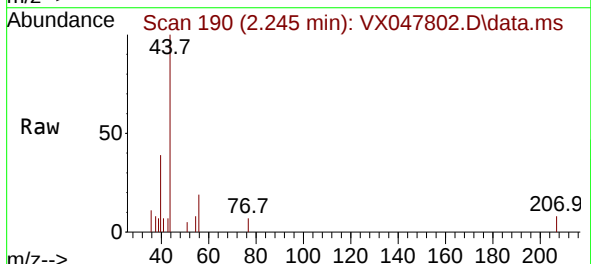
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

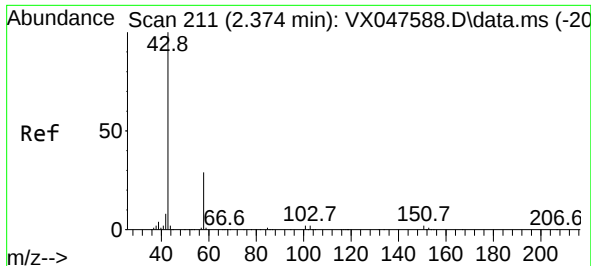
Tgt Ion:142 Resp: 607
Ion Ratio Lower Upper
142 100
127 39.7 37.2 55.8
141 3.1 11.4 17.0#



#13
Acrolein
Concen: 1.034 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 76.6 57.2 85.8

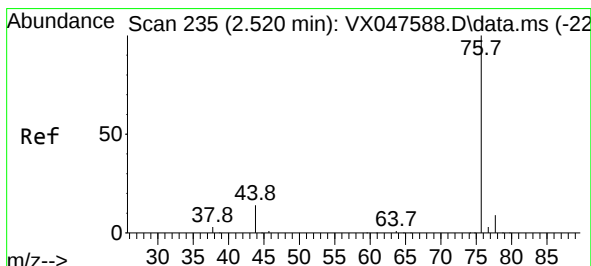
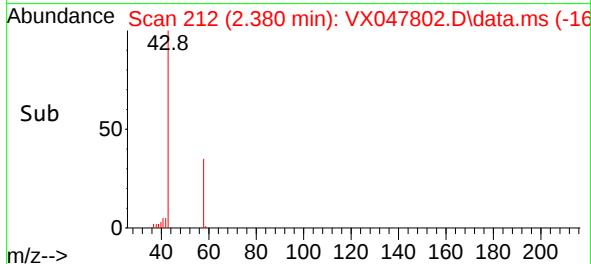
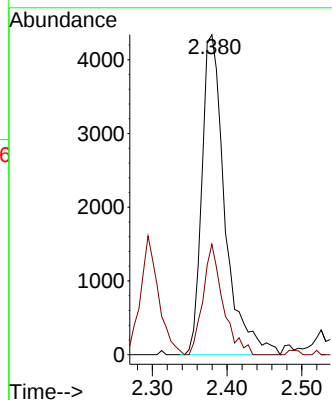
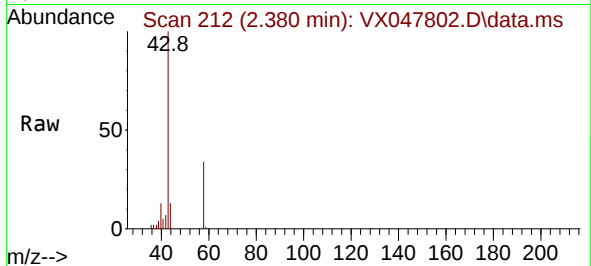




#16
Acetone
Concen: 10.843 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

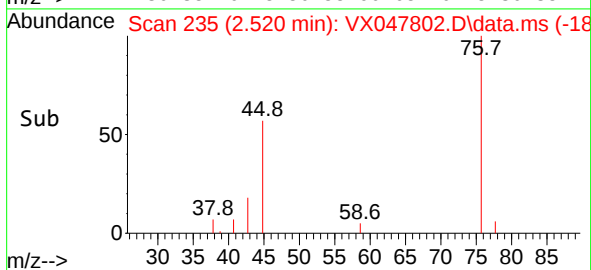
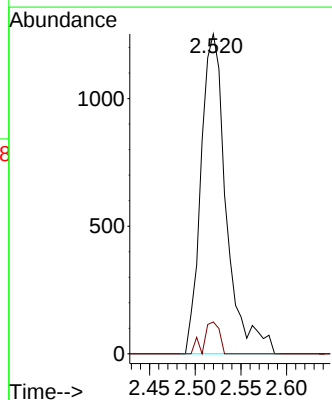
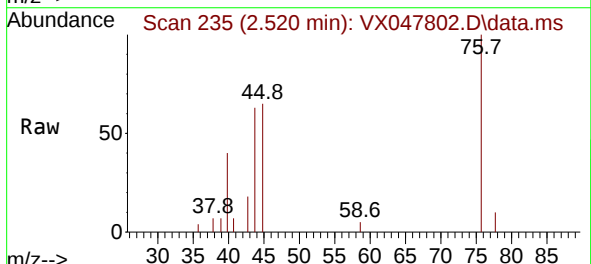
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

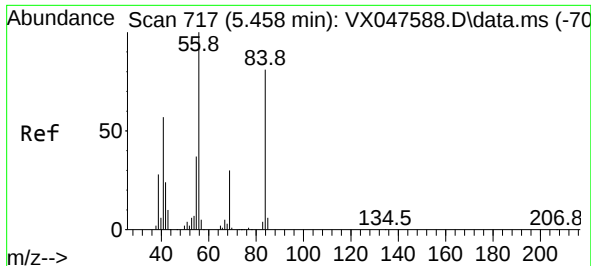
Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 36.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.599 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 76 Resp: 2412
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2

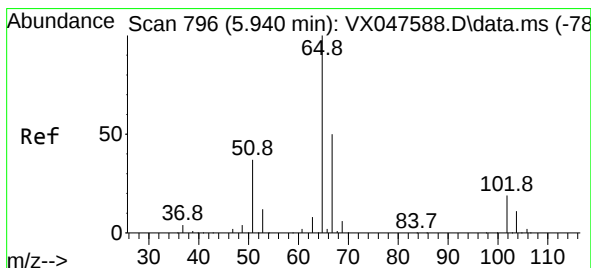
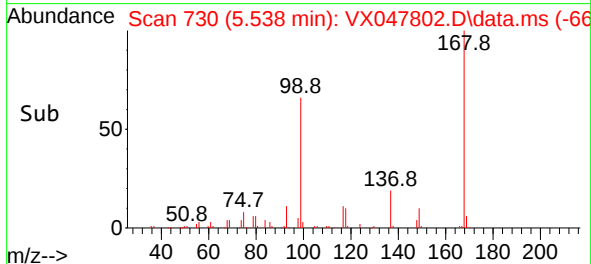
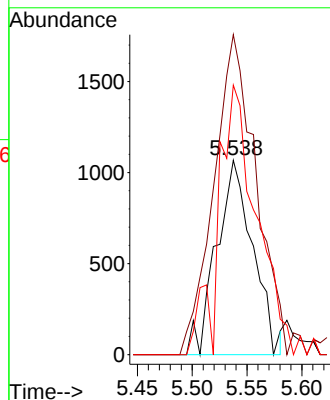
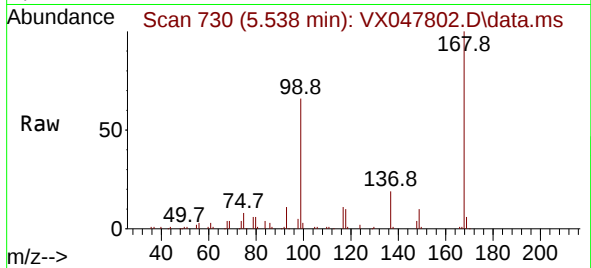




#31
Cyclohexane
Concen: 0.943 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

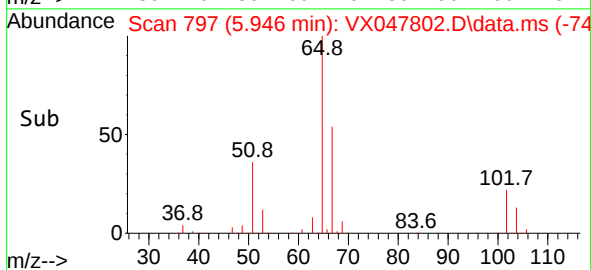
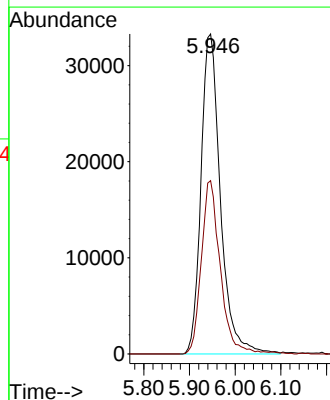
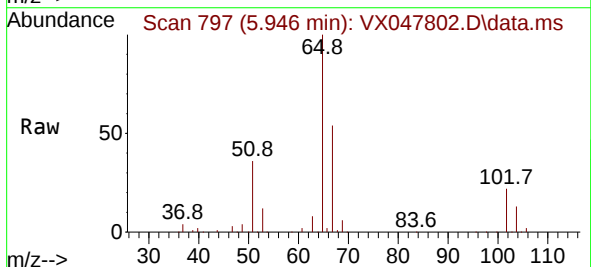
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

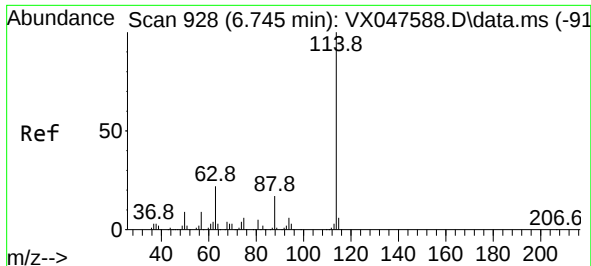
Tgt Ion: 56 Resp: 2454
Ion Ratio Lower Upper
56 100
69 164.7 23.8 35.8#
84 138.7 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 49.836 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 65 Resp: 98189
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0

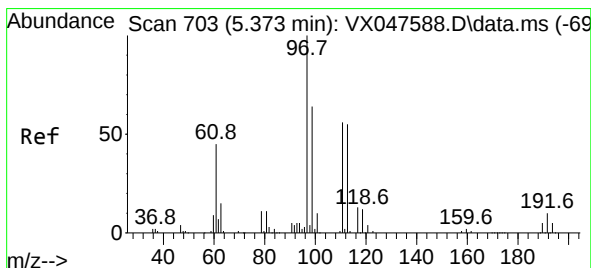
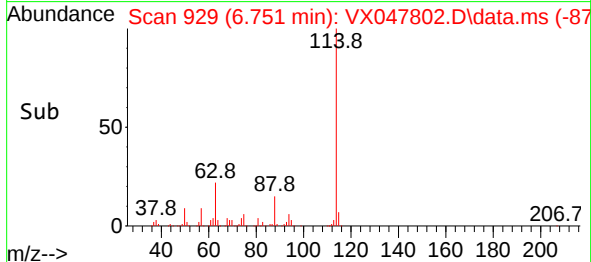
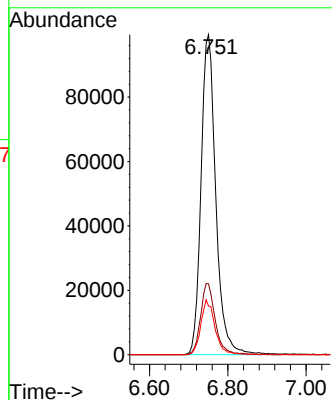
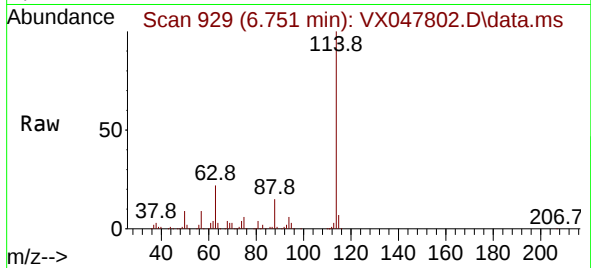




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

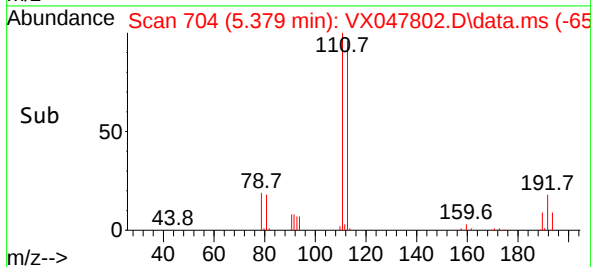
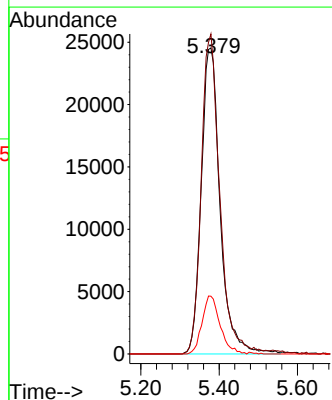
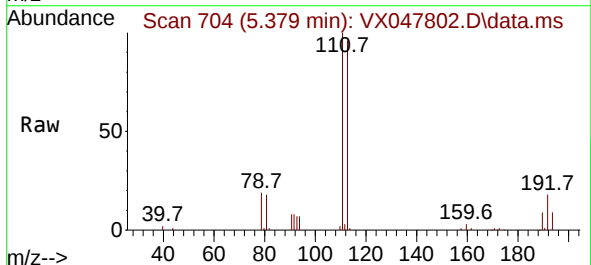
Instrument :
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ClientSampleId :
BP-VPB-184-GW-240-242

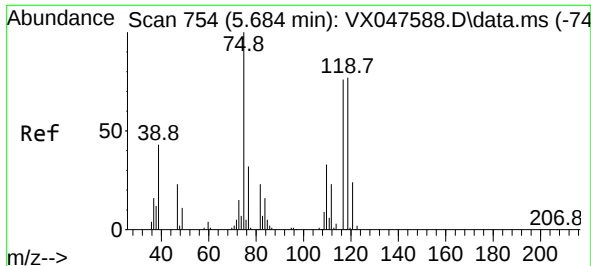
Tgt Ion:114 Resp: 260434
Ion Ratio Lower Upper
114 100
63 22.2 0.0 44.0
88 15.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 47.071 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion:113 Resp: 82214
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 18.0 14.2 21.4

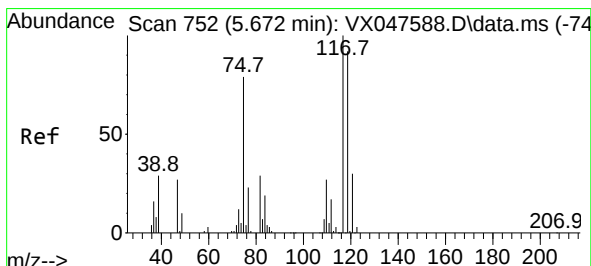
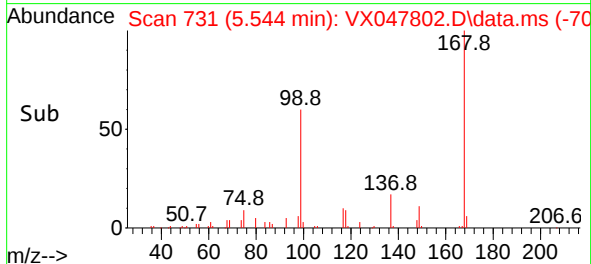
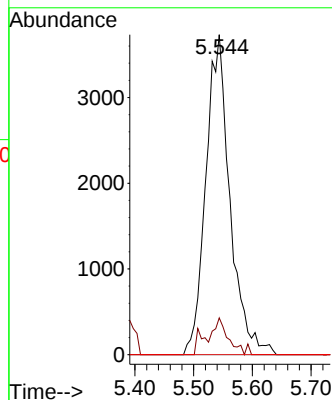
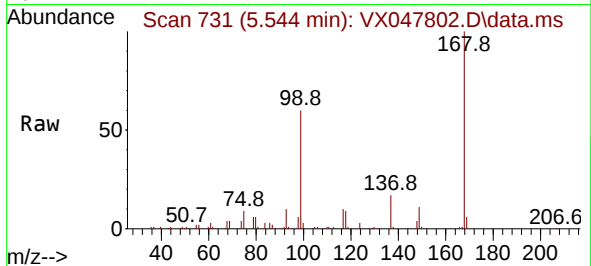




#36
1,1-Dichloropropene
Concen: 4.166 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

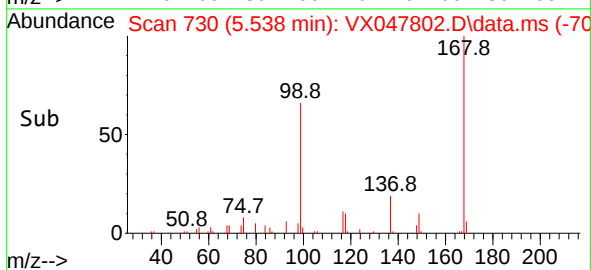
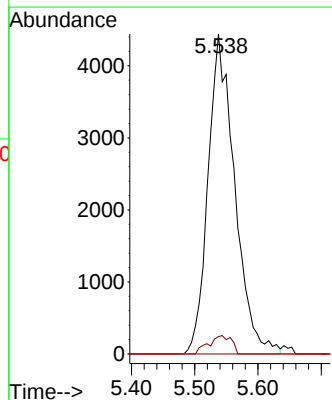
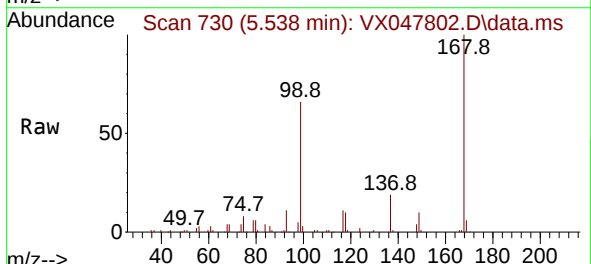
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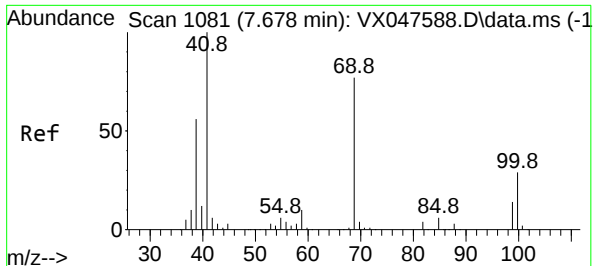
Tgt Ion: 75 Resp: 10633
Ion Ratio Lower Upper
75 100
110 6.9 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.686 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 117 Resp: 12993
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 23.8 35.6#





#48

Methyl methacrylate

Concen: 0.545 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.104 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

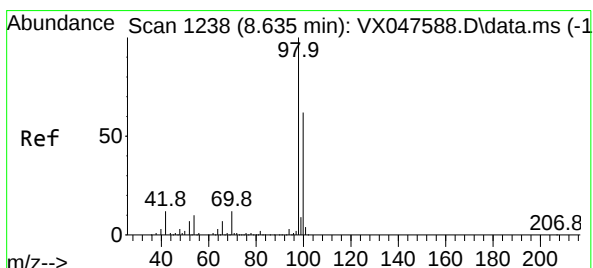
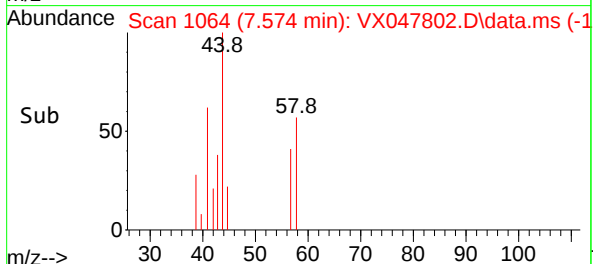
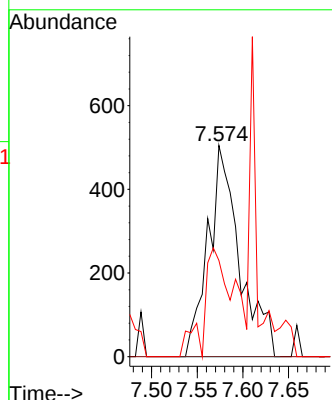
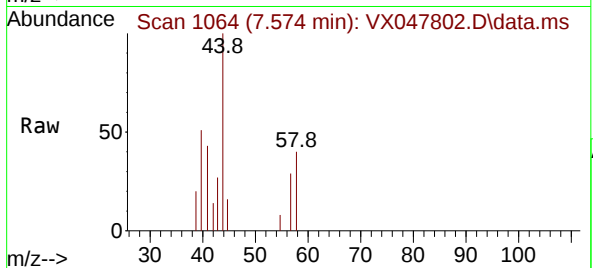
Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-240-242

Tgt Ion:	41	Resp:	1216
Ion	Ratio	Lower	Upper
41	100		
69	0.0	61.4	92.2#
39	46.8	45.8	68.6



#50

Toluene-d8

Concen: 47.351 ug/l

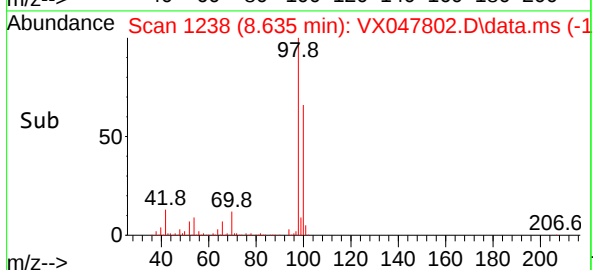
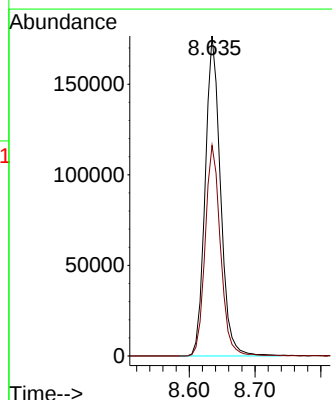
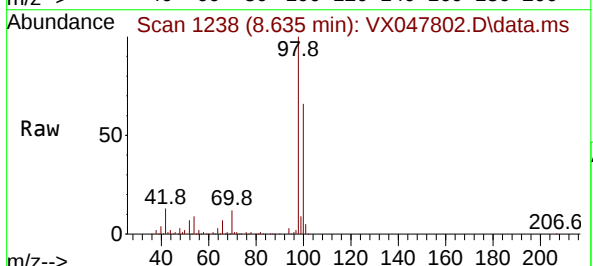
RT: 8.635 min Scan# 1238

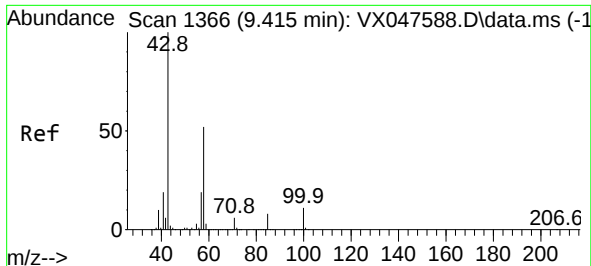
Delta R.T. -0.000 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

Tgt Ion:	98	Resp:	286170
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4

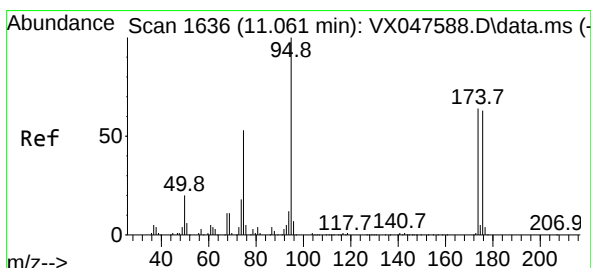
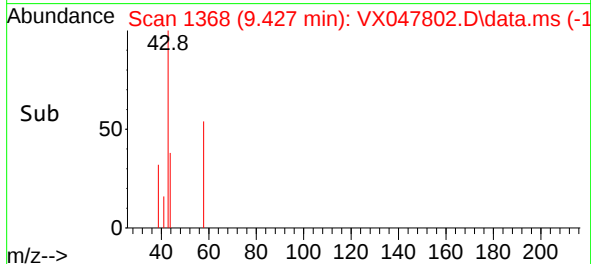
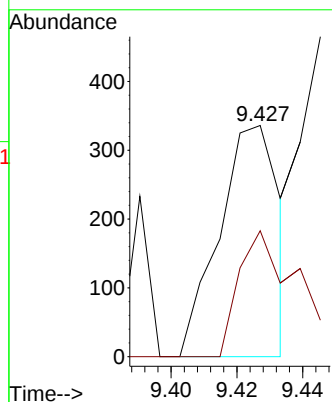
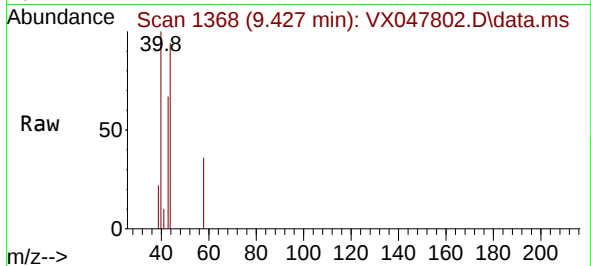




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

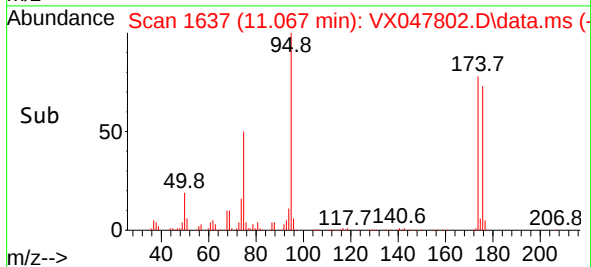
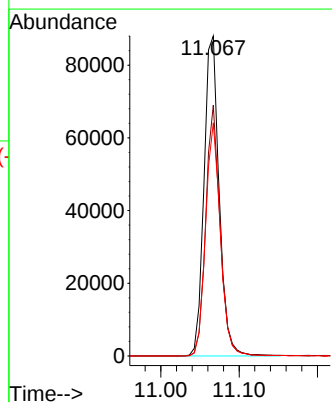
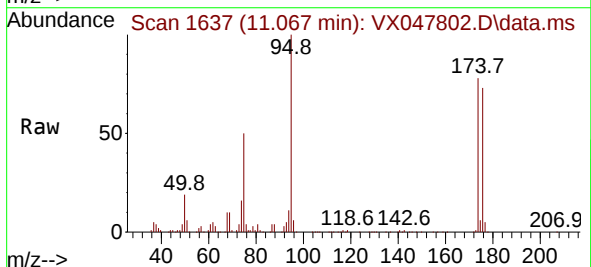
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-184-GW-240-242

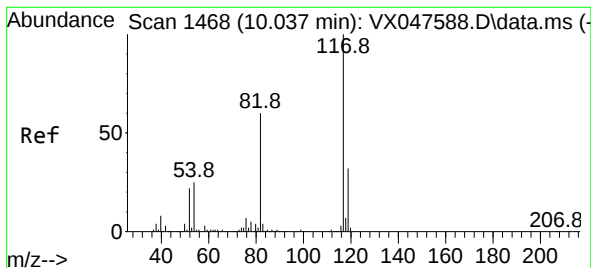
Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 51.2 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 51.583 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX047802.D
Acq: 25 Sep 2025 11:46

Tgt Ion: 95 Resp: 118315
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.6
176 71.1 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: VX047802.D

Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-184-GW-240-242

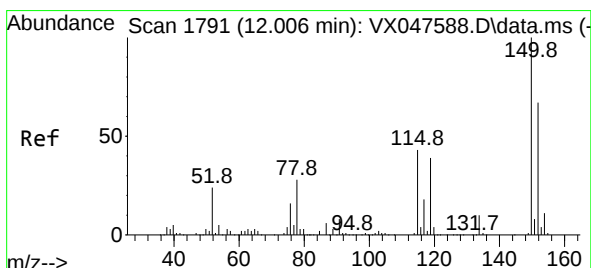
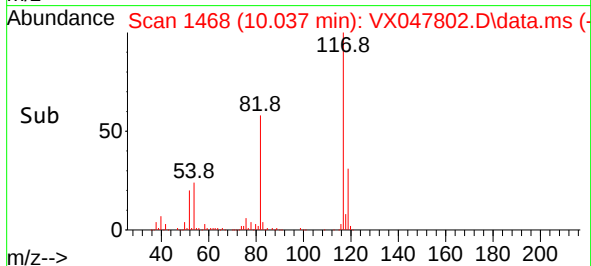
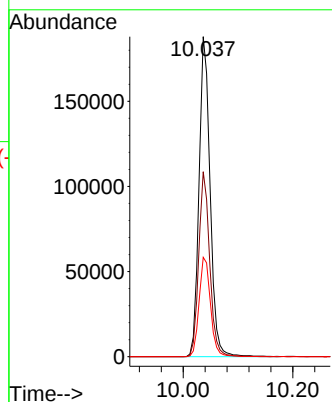
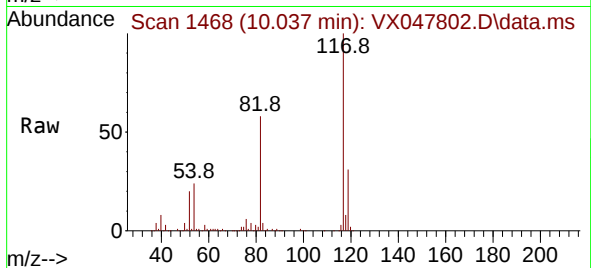
Tgt Ion:117 Resp: 265025

Ion Ratio Lower Upper

117 100

82 57.8 47.8 71.6

119 31.0 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: VX047802.D

Acq: 25 Sep 2025 11:46

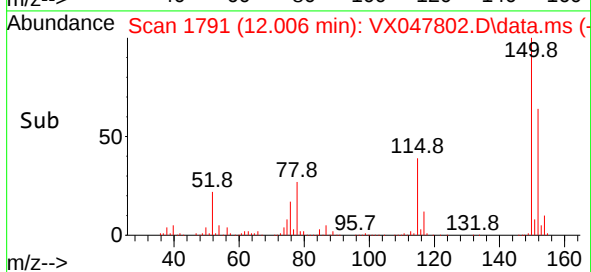
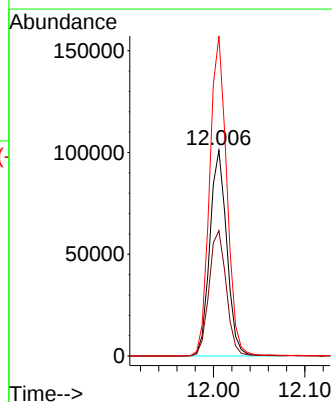
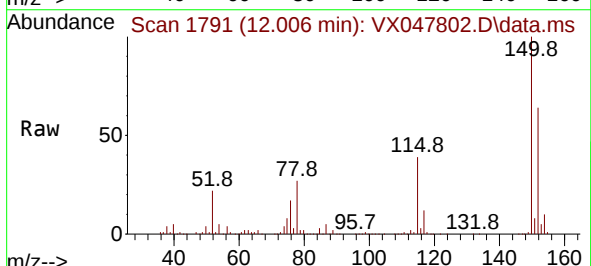
Tgt Ion:152 Resp: 130114

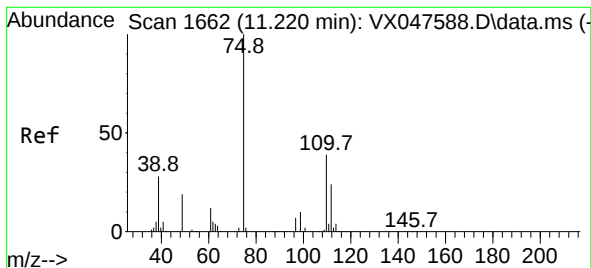
Ion Ratio Lower Upper

152 100

115 62.1 44.9 134.5

150 157.3 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 23.354 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. -0.153 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

Instrument :

MSVOA_X

ClientSampleId :

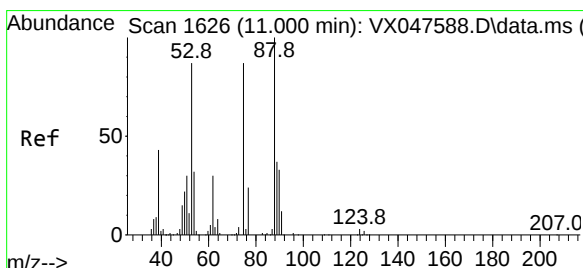
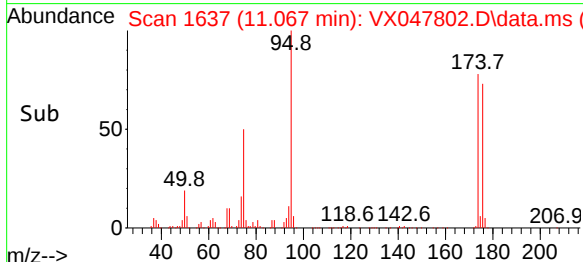
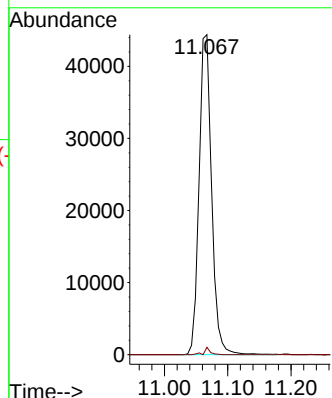
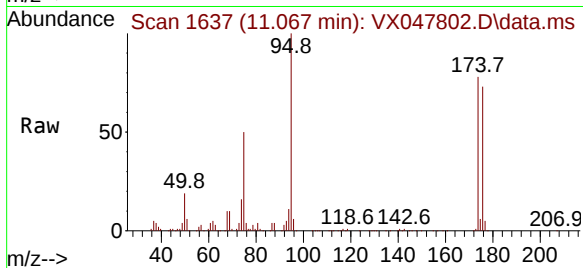
BP-VPB-184-GW-240-242

Tgt Ion: 75 Resp: 61525

Ion Ratio Lower Upper

75 100

77 1.1 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.557 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.067 min

Lab File: VX047802.D

Acq: 25 Sep 2025 11:46

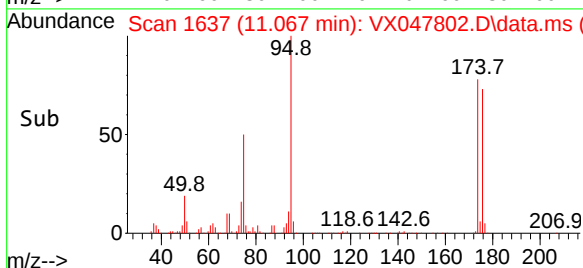
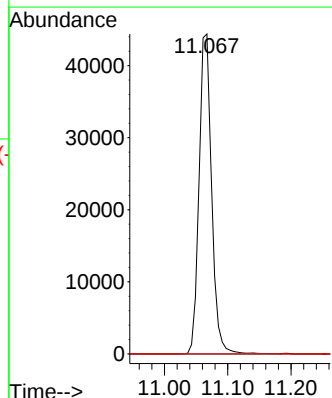
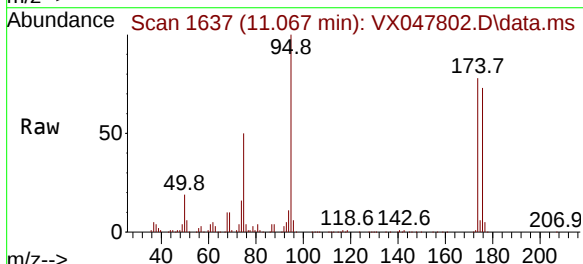
Tgt Ion: 75 Resp: 61525

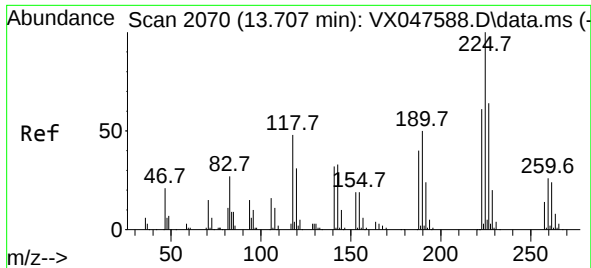
Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

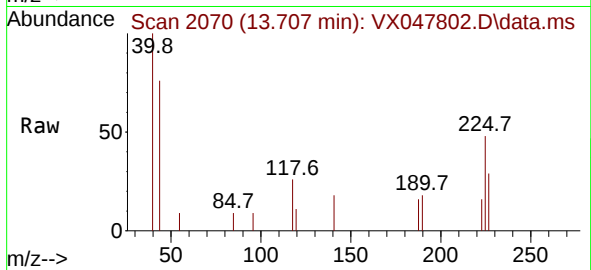
89 0.0 36.3 54.5#





#94
 Hexachlorobutadiene
 Concen: 0.258 ug/l
 RT: 13.707 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX047802.D
 Acq: 25 Sep 2025 11:46

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-184-GW-240-242



Tgt Ion:	225	Resp:	246
Ion	Ratio	Lower	Upper
225	100		
223	56.1	31.7	95.1
227	61.8	32.0	96.0

