

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051525\
 Data File : VX046208.D
 Acq On : 15 May 2025 13:01
 Operator : JC/MD
 Sample : Q2050-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-60-62

Quant Time: May 16 01:04:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

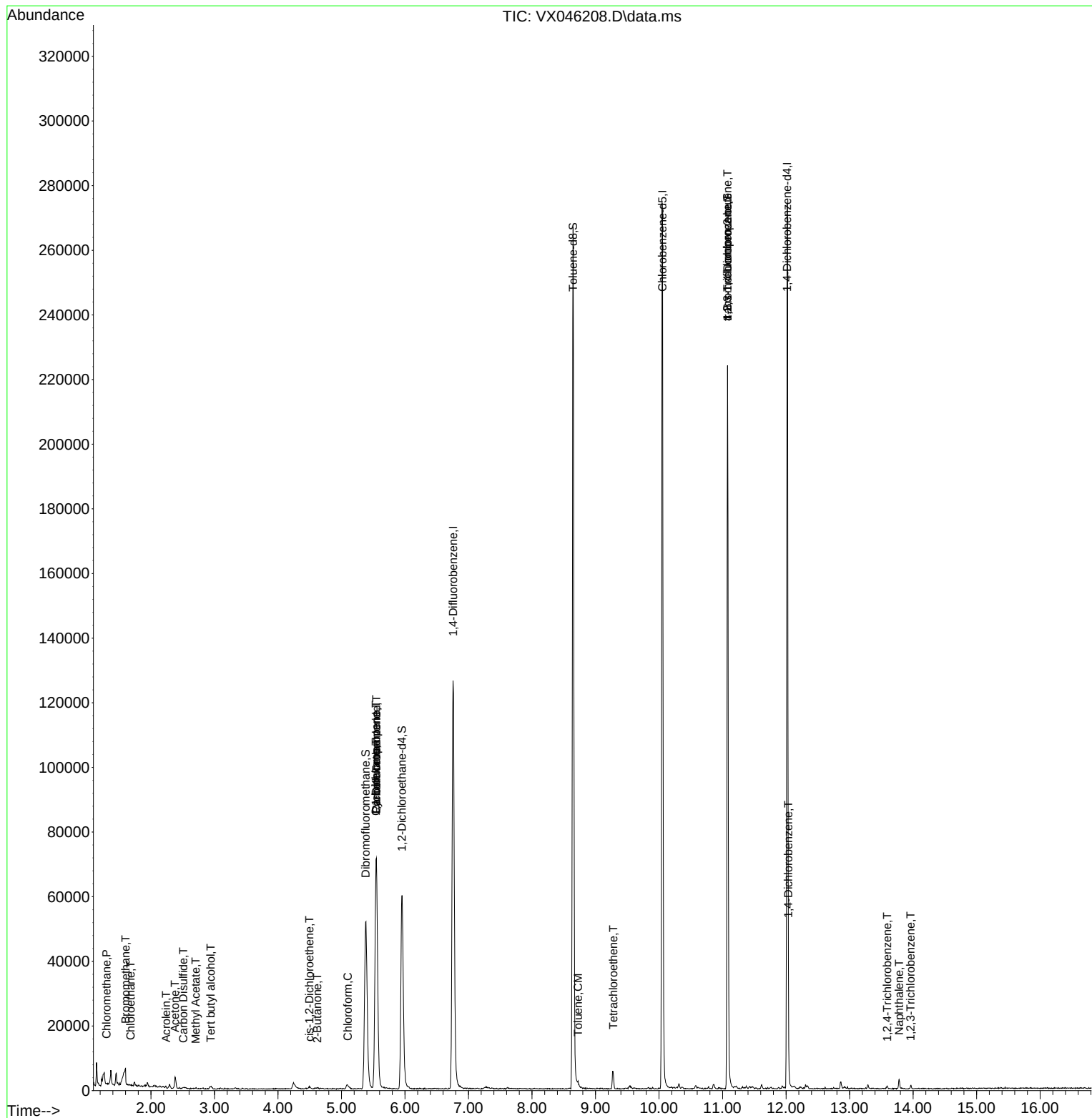
Internal Standards						
1) Pentafluorobenzene	5.550	168	61866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123143	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63133	54.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.480%			
35) Dibromofluoromethane	5.379	113	45470	51.277	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	8.647	98	152829	49.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	11.079	95	58894	50.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.040%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	245	0.267	ug/l #	43
5) Bromomethane	1.599	94	114	0.288	ug/l #	51
6) Chloroethane	1.679	64	170	0.373	ug/l #	44
11) Tert butyl alcohol	2.940	59	404	2.495	ug/l #	72
13) Acrolein	2.239	56	227	1.231	ug/l #	60
16) Acetone	2.380	43	3602	7.789	ug/l	96
17) Carbon Disulfide	2.508	76	689	0.396	ug/l #	76
18) Methyl Acetate	2.703	43	236	0.220	ug/l #	55
25) 2-Butanone	4.617	43	595	0.886	ug/l #	70
27) cis-1,2-Dichloroethene	4.495	96	350	0.394	ug/l	91
30) Chloroform	5.099	83	1681	1.069	ug/l	97
31) Cyclohexane	5.544	56	1713	1.246	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6431	5.398	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7420	5.543	ug/l #	15
52) Toluene	8.726	92	438	0.205	ug/l	94
64) Tetrachloroethene	9.281	164	1022	1.255	ug/l #	84
76) 1,2,3-Trichloropropane	11.079	75	34410	28.296	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34410	92.123	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	343	0.202	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.591	180	303	0.315	ug/l	94
95) Naphthalene	13.780	128	2265	0.643	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	407	0.411	ug/l	76

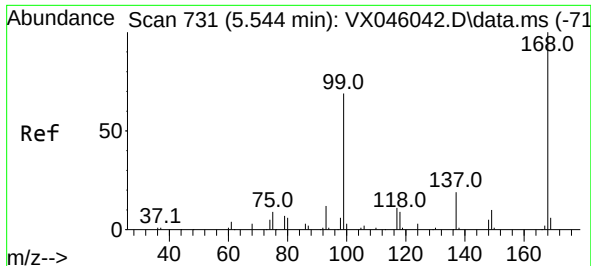
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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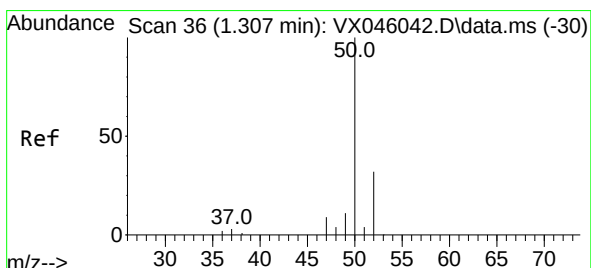
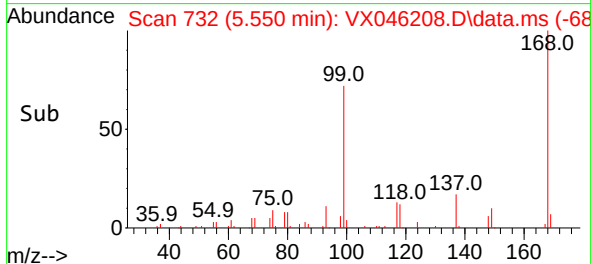
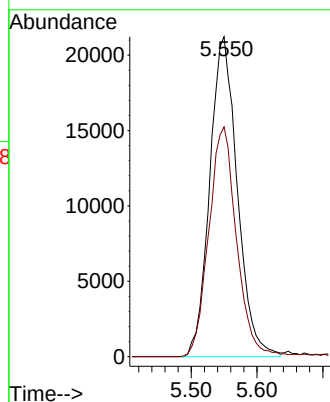
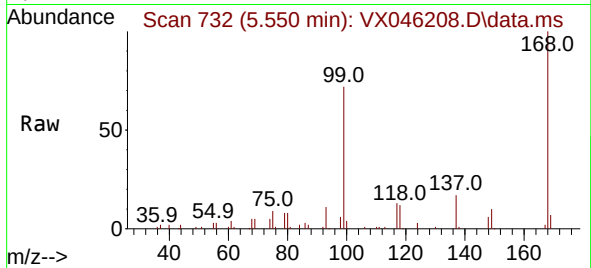




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

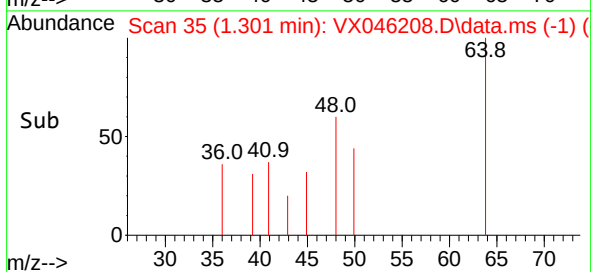
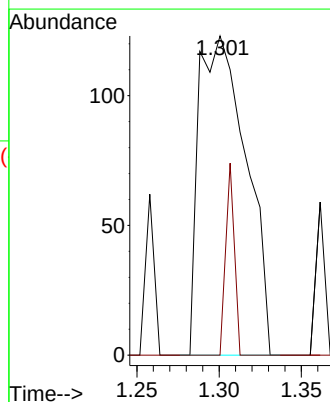
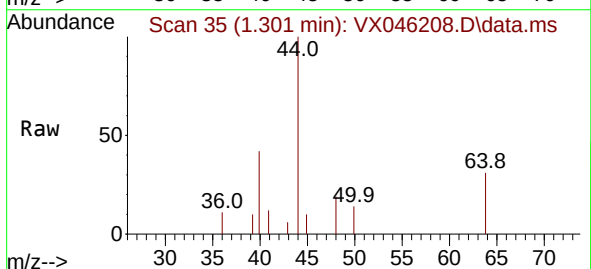
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

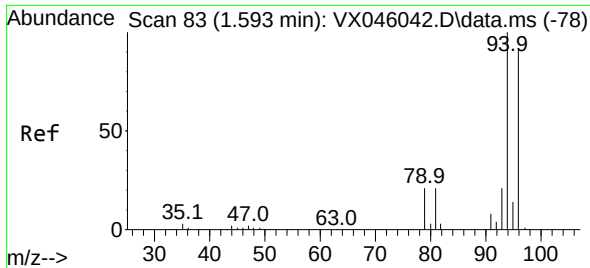
Tgt Ion:168 Resp: 61866
Ion Ratio Lower Upper
168 100
99 71.8 54.9 82.3



#3
Chloromethane
Concen: 0.267 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

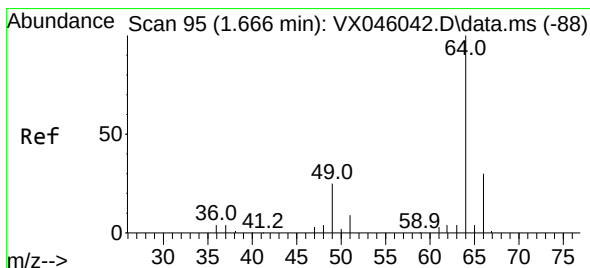
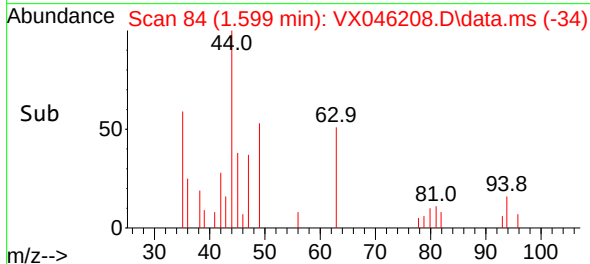
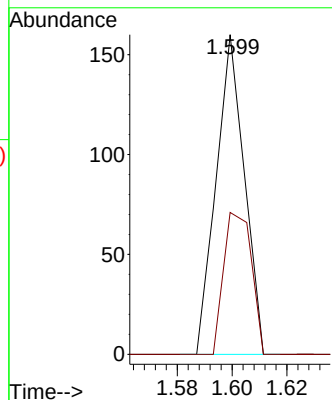
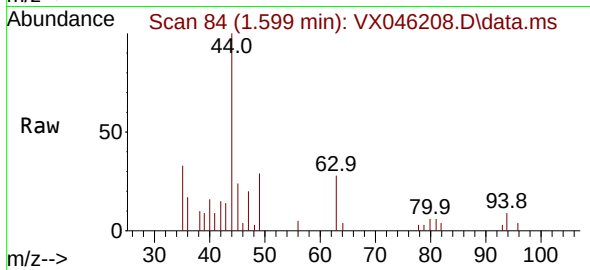




#5
Bromomethane
Concen: 0.288 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

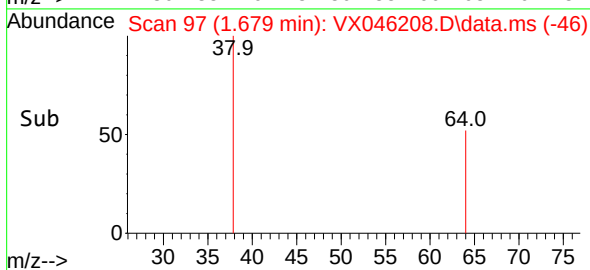
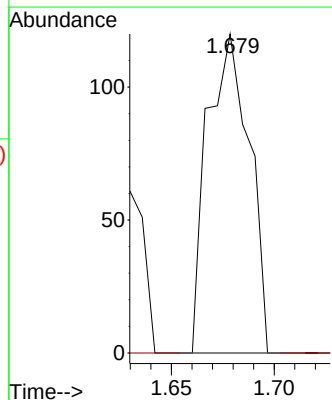
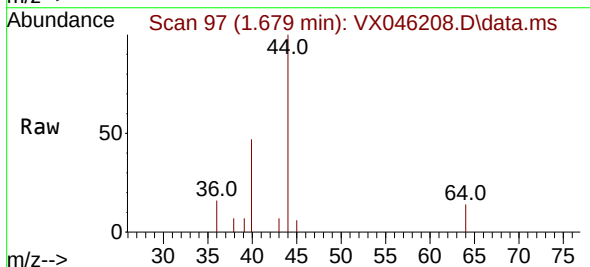
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

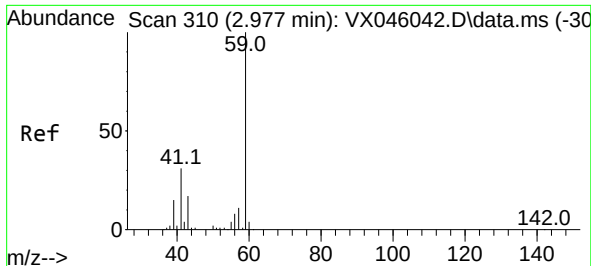
Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 44.4 72.8 109.2#



#6
Chloroethane
Concen: 0.373 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 64 Resp: 170
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

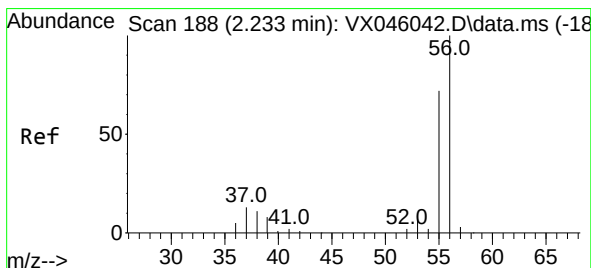
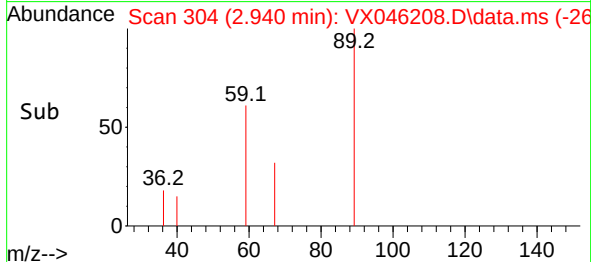
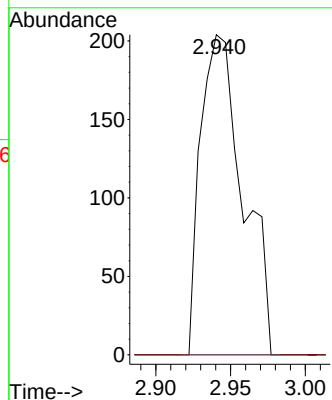
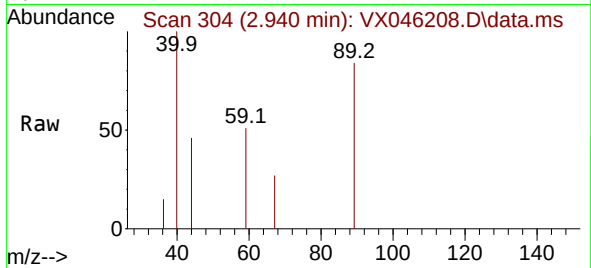




#11
Tert butyl alcohol
Concen: 2.495 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

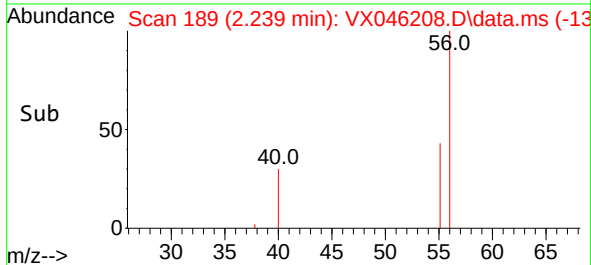
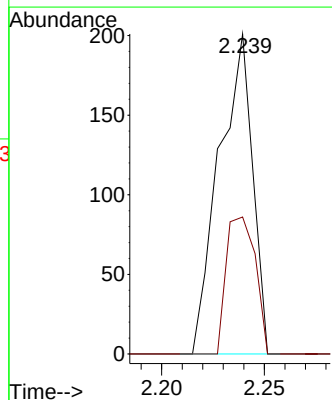
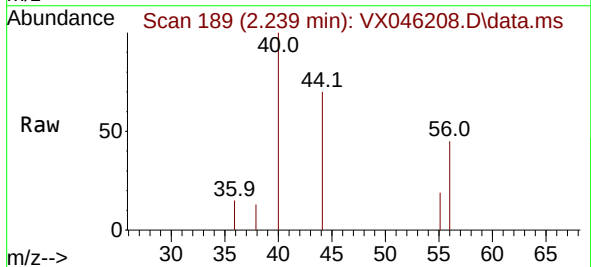
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

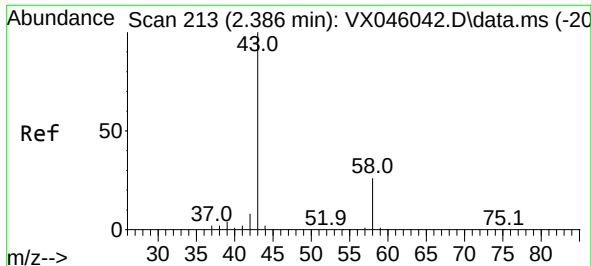
Tgt Ion: 59 Resp: 404
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.231 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 37.4 56.2 84.4#

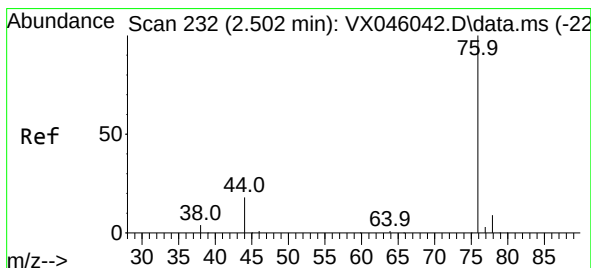
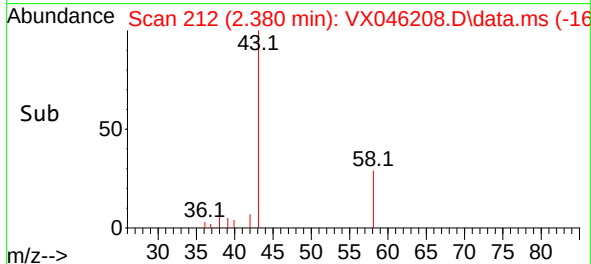
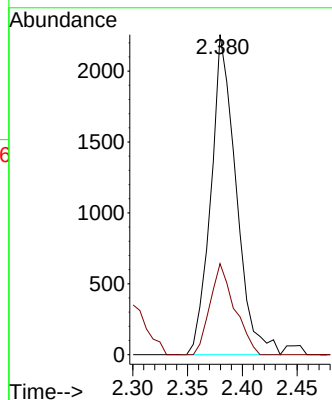
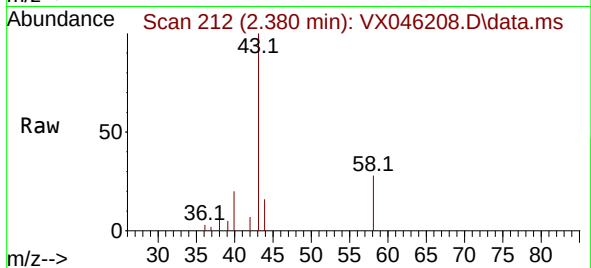




#16
Acetone
Concen: 7.789 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

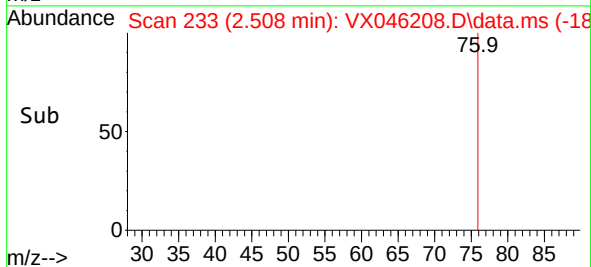
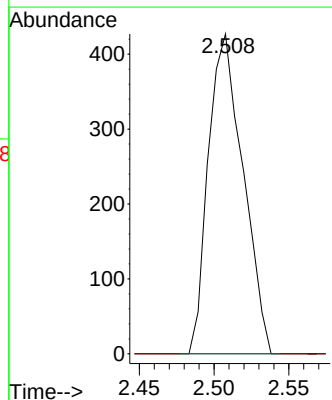
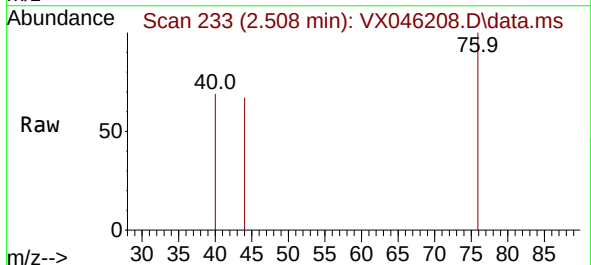
Instrument :
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ClientSampleId :
BP-VPB-182-GW-60-62

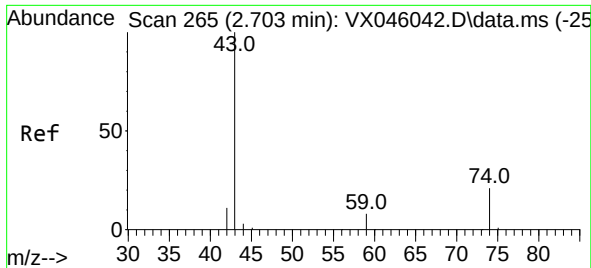
Tgt Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
58 28.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.396 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 76 Resp: 689
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

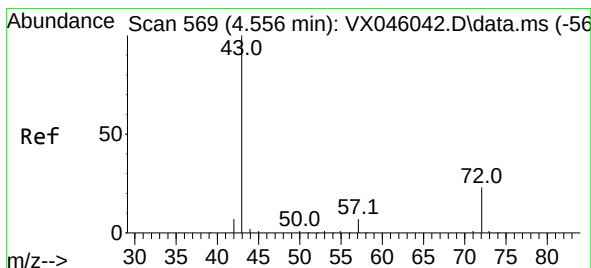
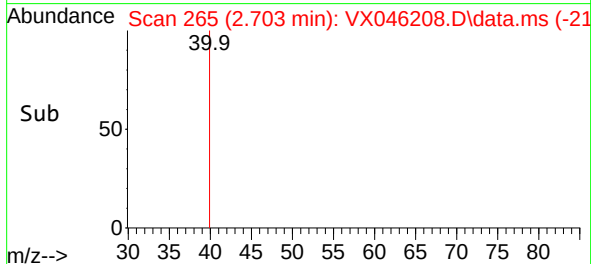
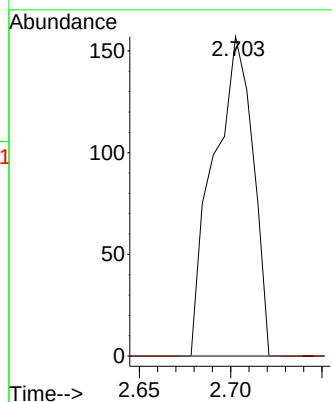
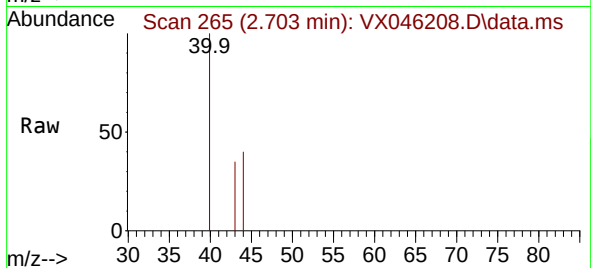




#18
Methyl Acetate
Concen: 0.220 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

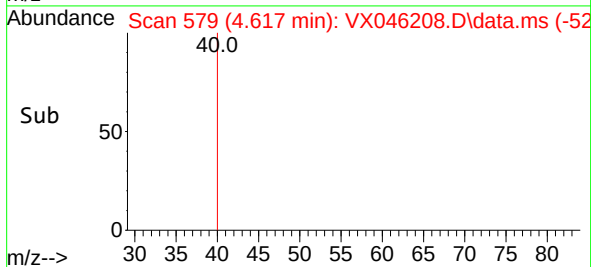
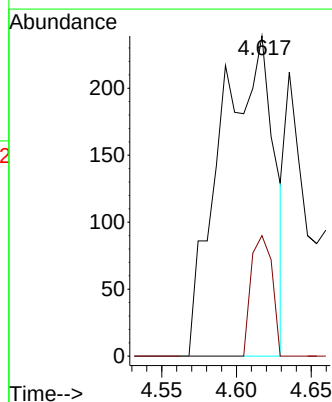
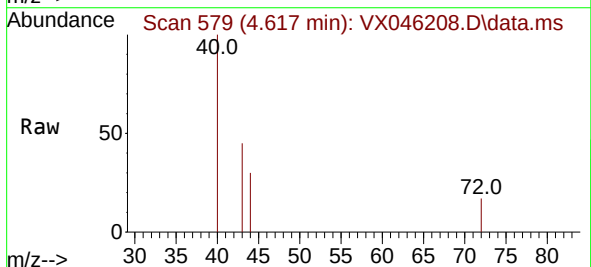
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

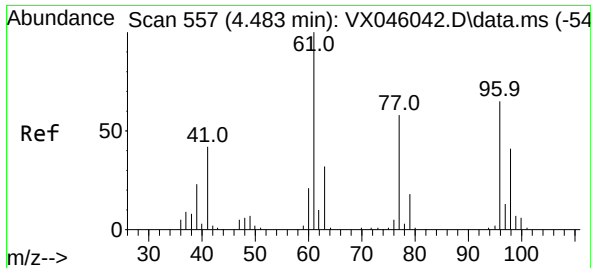
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#25
2-Butanone
Concen: 0.886 ug/l
RT: 4.617 min Scan# 579
Delta R.T. 0.061 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 43 Resp: 595
Ion Ratio Lower Upper
43 100
72 37.7 18.4 27.6#





#27

cis-1,2-Dichloroethene

Concen: 0.394 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX046208.D

Acq: 15 May 2025 13:01

Instrument :

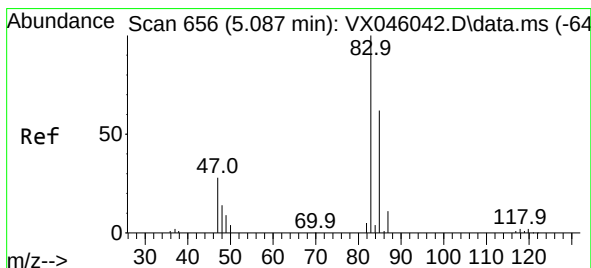
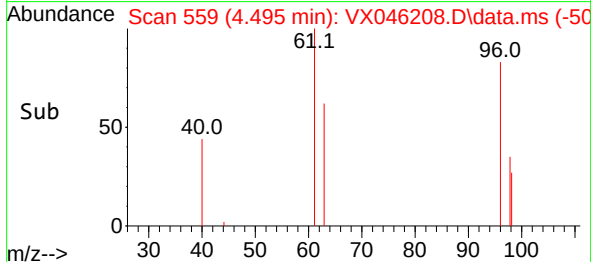
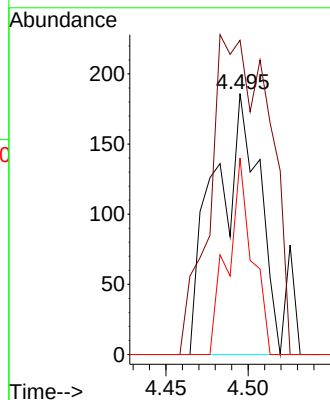
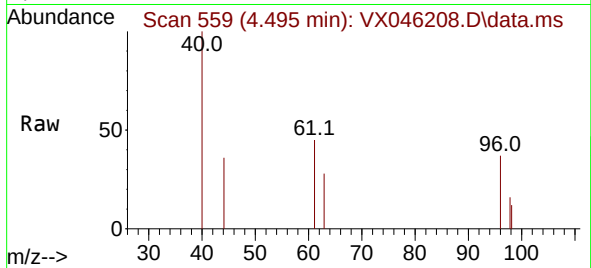
MSVOA_X

ClientSampleId :

BP-VPB-182-GW-60-62

Tgt Ion: 96 Resp: 350

Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	322.8
98	41.1	0.0	129.0



#30

Chloroform

Concen: 1.069 ug/l

RT: 5.099 min Scan# 658

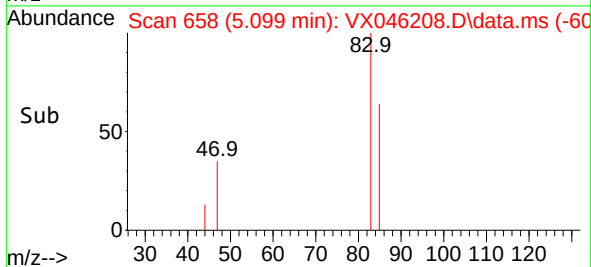
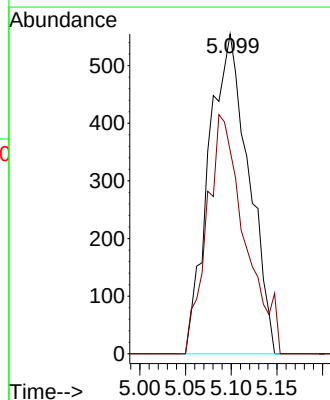
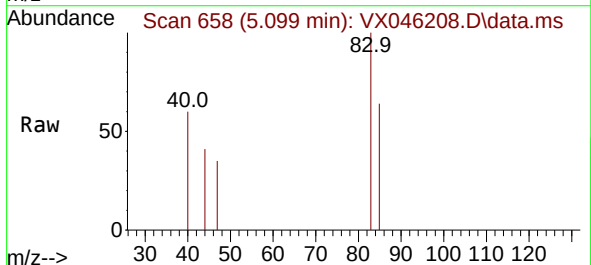
Delta R.T. 0.012 min

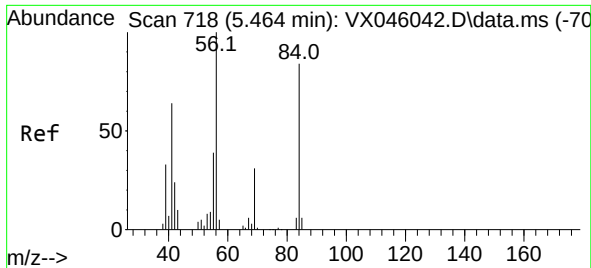
Lab File: VX046208.D

Acq: 15 May 2025 13:01

Tgt Ion: 83 Resp: 1681

Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.3	73.9

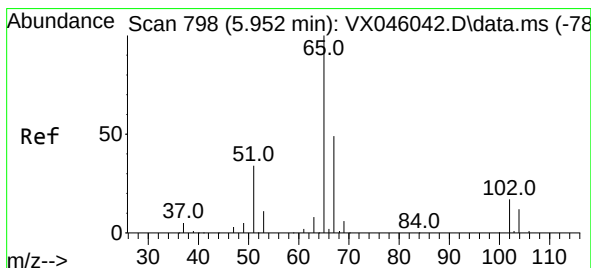
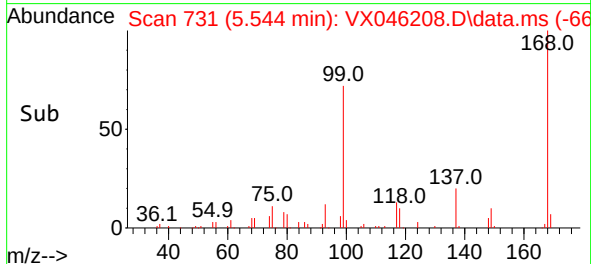
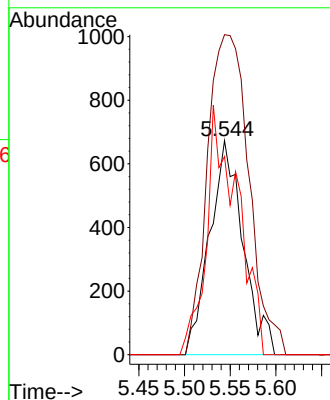
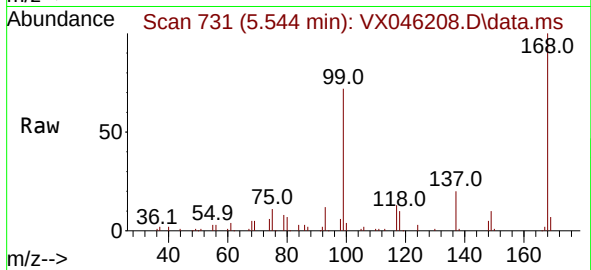




#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

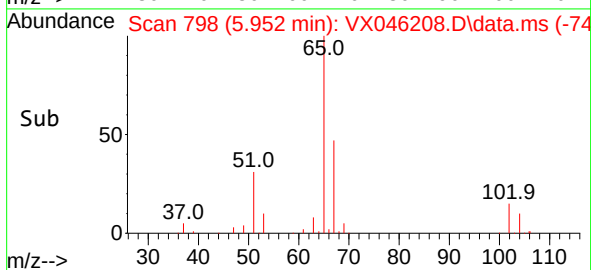
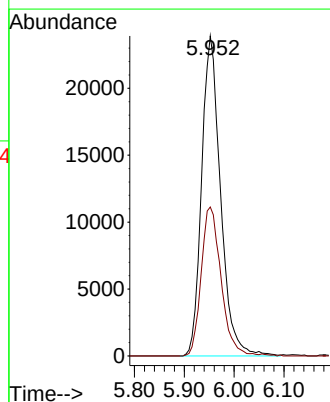
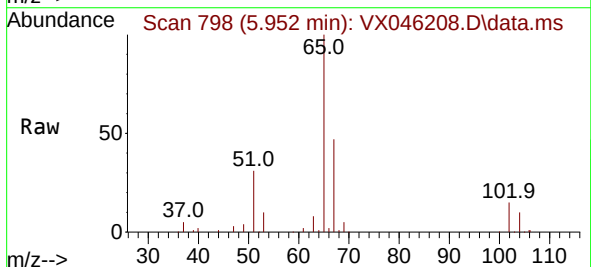
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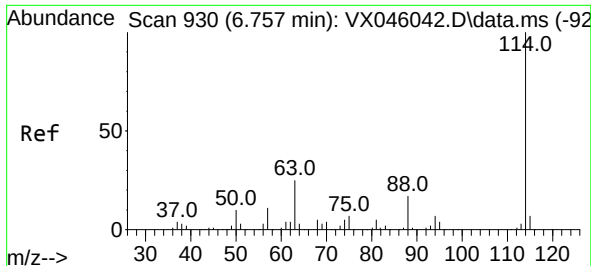
Tgt Ion: 56 Resp: 1713
Ion Ratio Lower Upper
56 100
69 149.5 24.4 36.6#
84 92.6 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 54.737 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 65 Resp: 63133
Ion Ratio Lower Upper
65 100
67 48.6 0.0 99.0

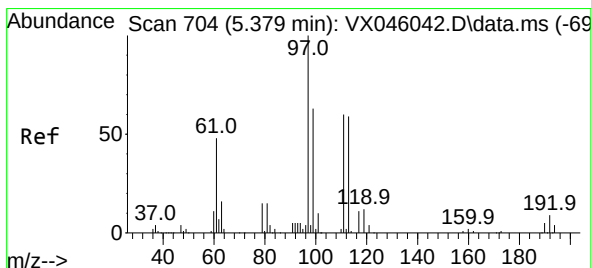
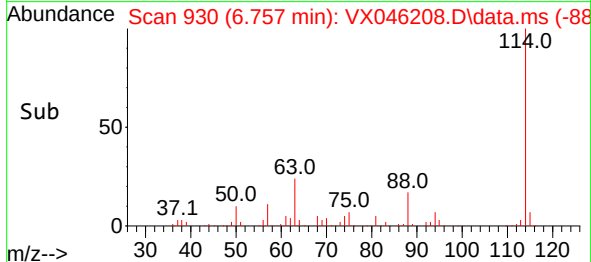
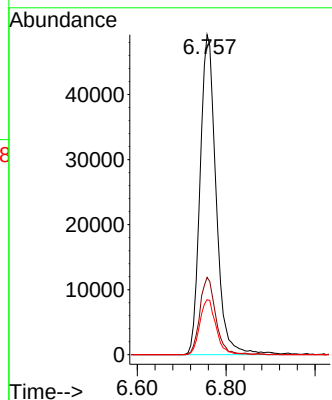
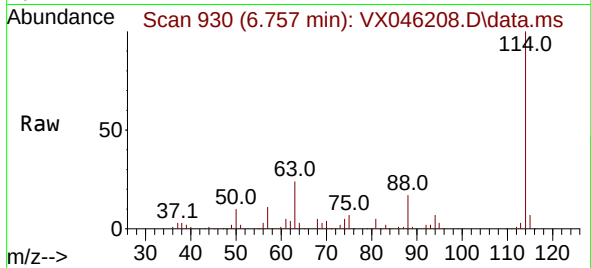




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

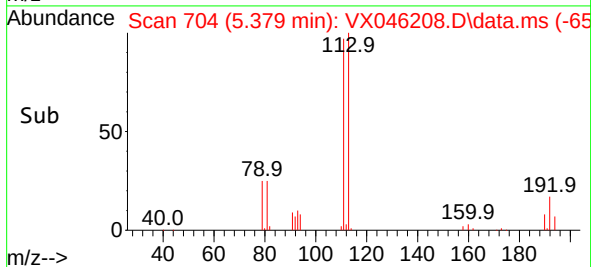
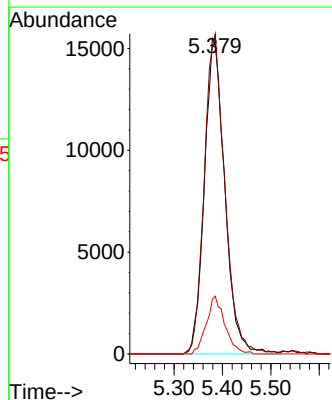
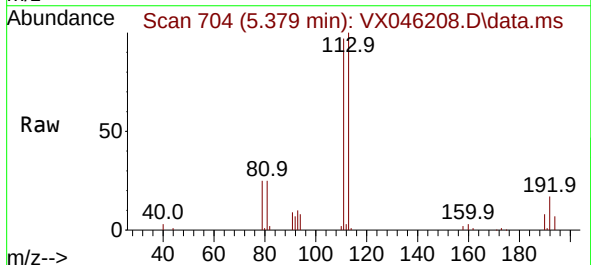
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

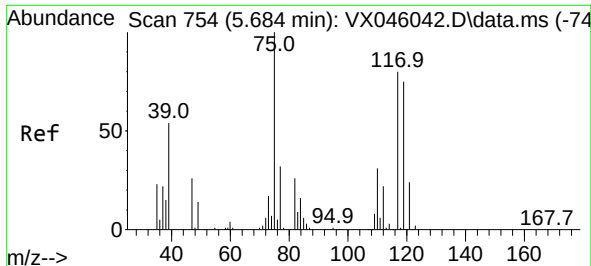
Tgt Ion:114 Resp: 123143
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.277 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion:113 Resp: 45470
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 16.6 13.3 19.9

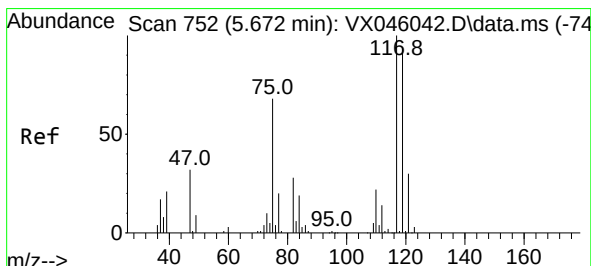
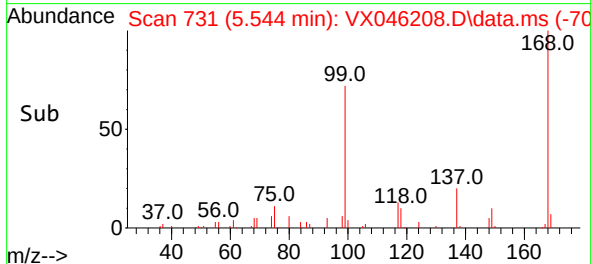
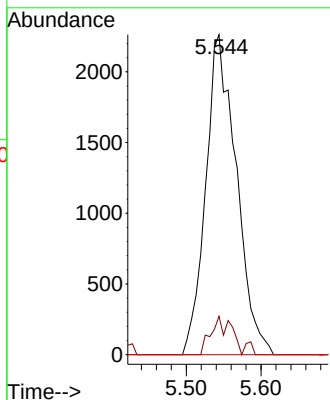
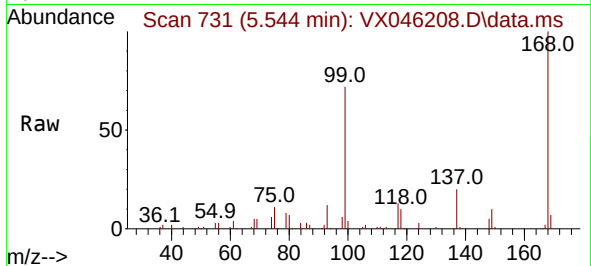




#36
1,1-Dichloropropene
Concen: 5.398 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

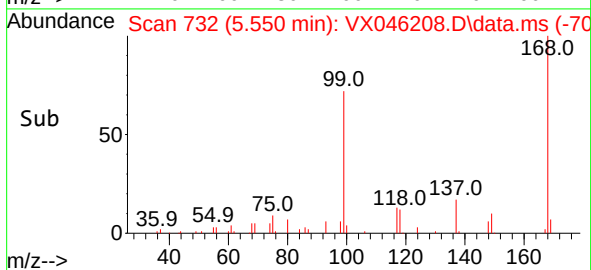
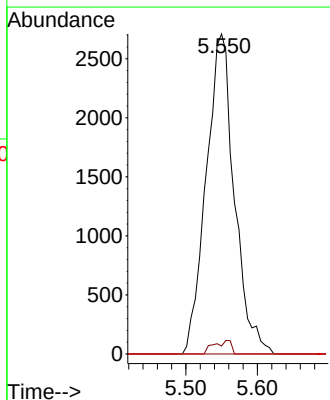
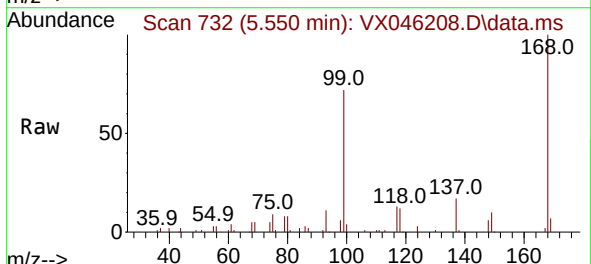
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

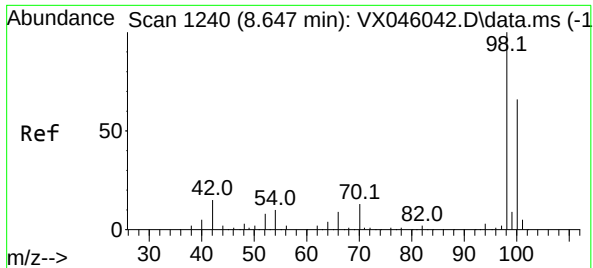
Tgt Ion: 75 Resp: 6431
Ion Ratio Lower Upper
75 100
110 7.9 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 117 Resp: 7420
Ion Ratio Lower Upper
117 100
119 2.5 75.2 112.8#
121 0.0 24.2 36.4#

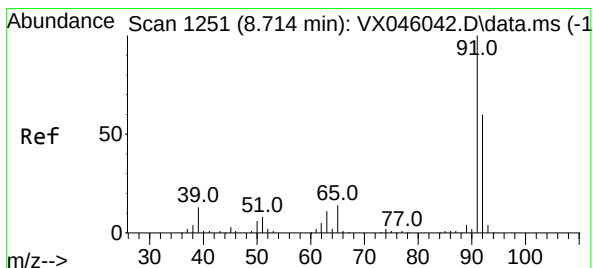
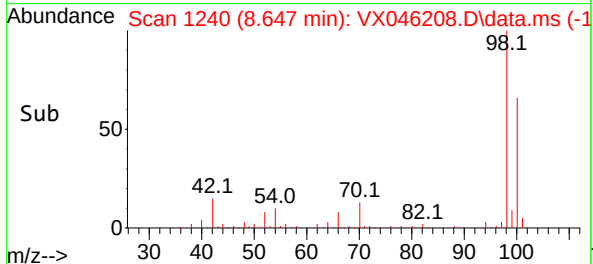
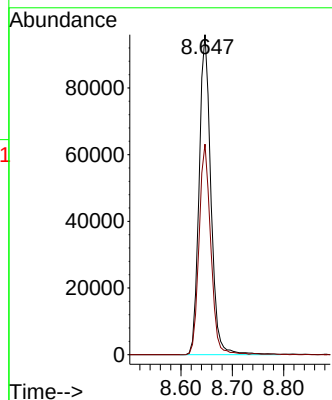
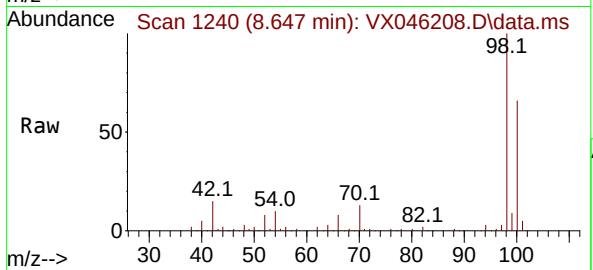




#50
Toluene-d8
Concen: 49.795 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

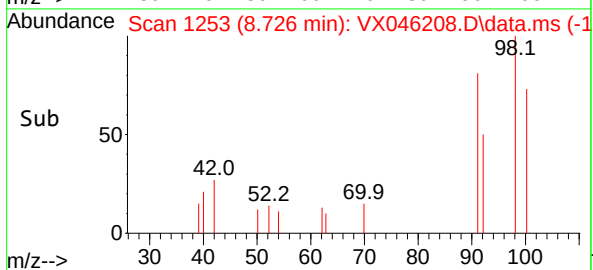
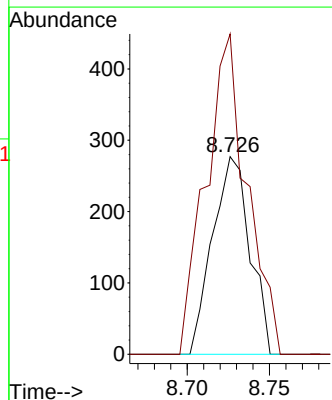
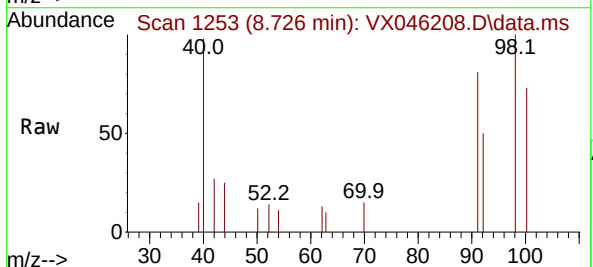
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

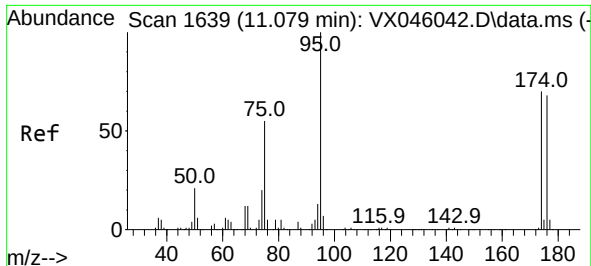
Tgt Ion: 98 Resp: 152829
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3



#52
Toluene
Concen: 0.205 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 92 Resp: 438
Ion Ratio Lower Upper
92 100
91 178.5 136.6 205.0

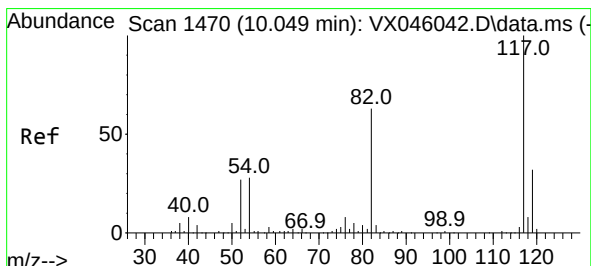
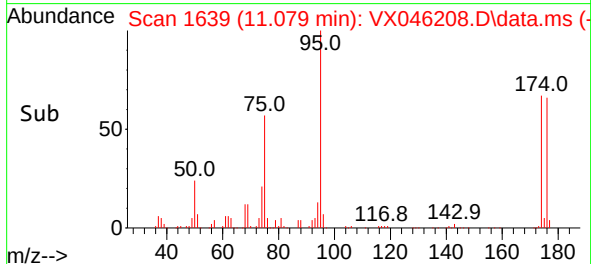
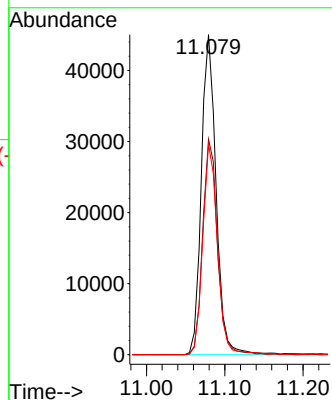
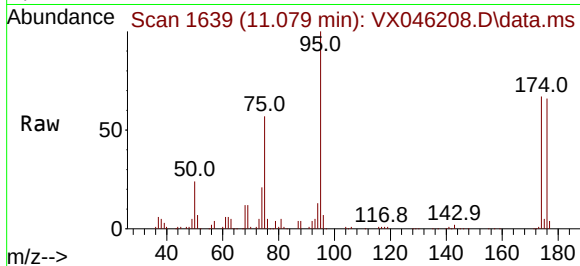




#62
4-Bromofluorobenzene
Concen: 50.025 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

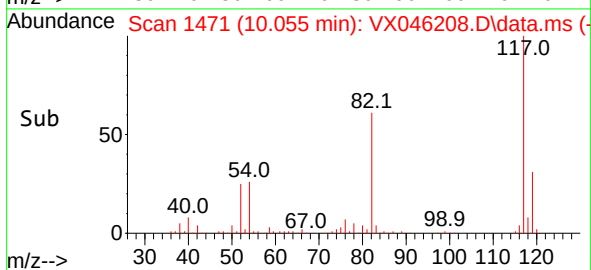
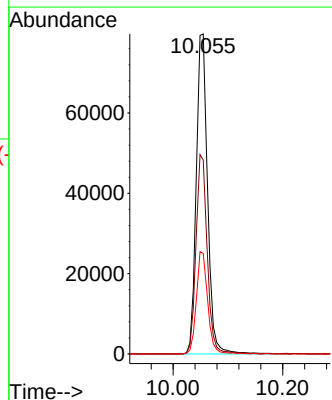
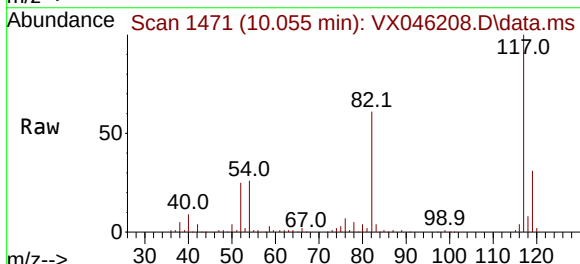
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

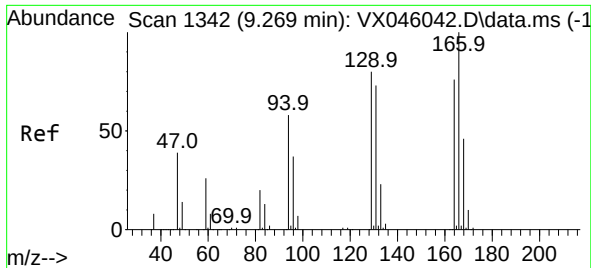
Tgt Ion: 95 Resp: 58894
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.8
176 65.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

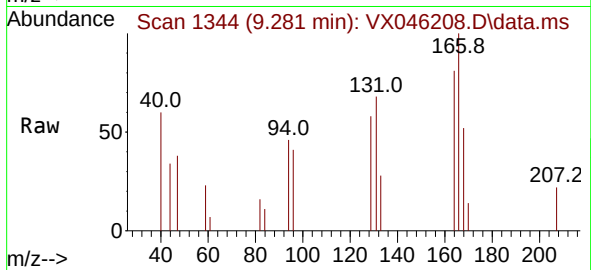
Tgt Ion: 117 Resp: 115076
Ion Ratio Lower Upper
117 100
82 60.6 50.6 76.0
119 31.4 25.8 38.6



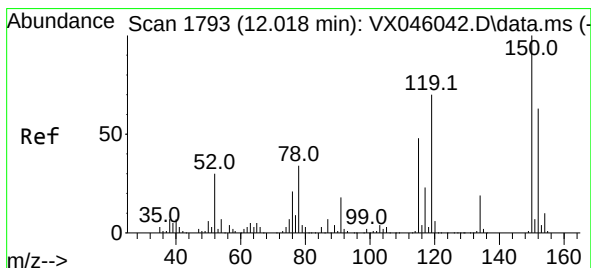
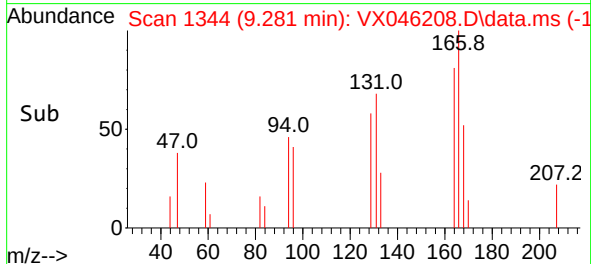
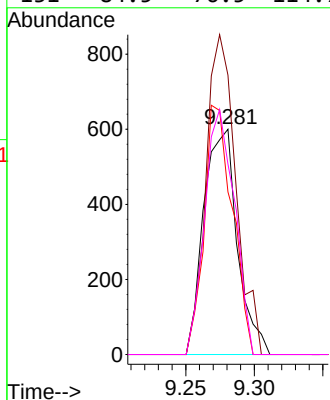


#64
Tetrachloroethene
Concen: 1.255 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

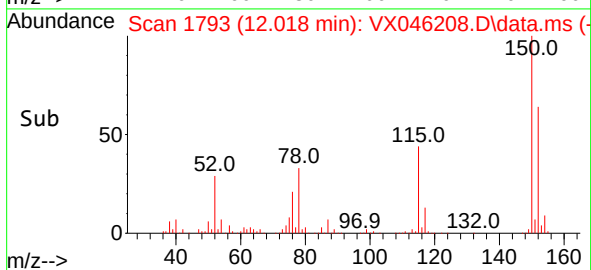
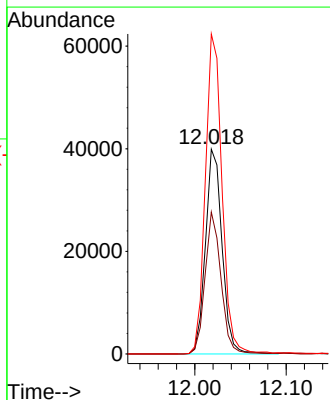
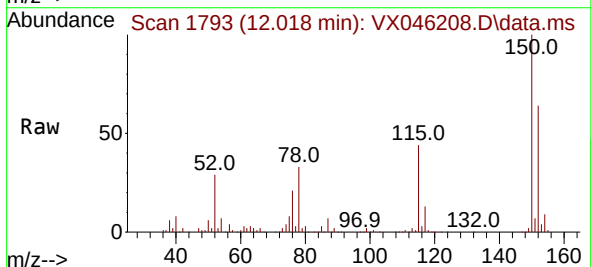


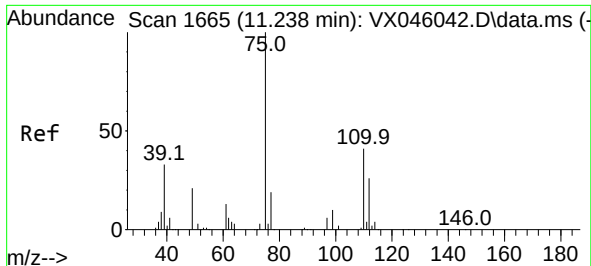
Tgt Ion:164 Resp: 1022
Ion Ratio Lower Upper
164 100
166 124.0 105.0 157.6
129 72.2 83.5 125.3#
131 84.5 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion:152 Resp: 50521
Ion Ratio Lower Upper
152 100
115 66.2 46.9 140.7
150 157.0 0.0 351.0

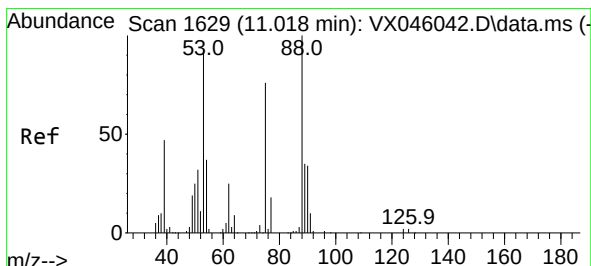
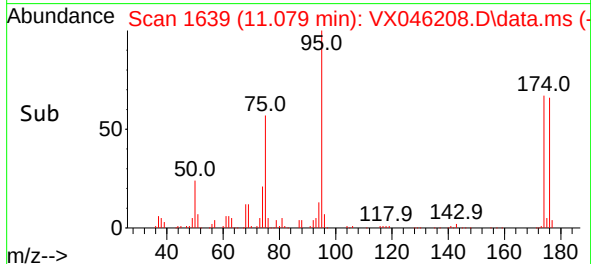
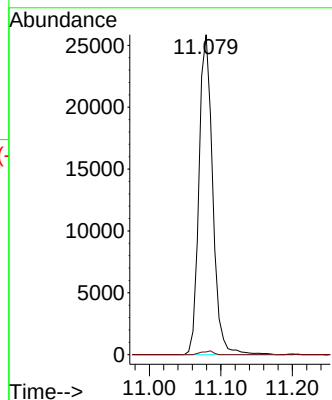
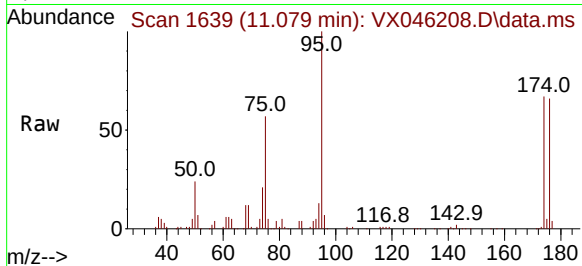




#76
1,2,3-Trichloropropane
Concen: 28.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

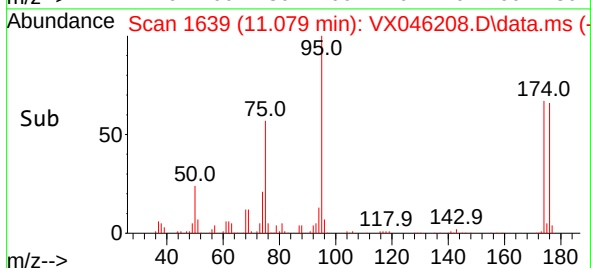
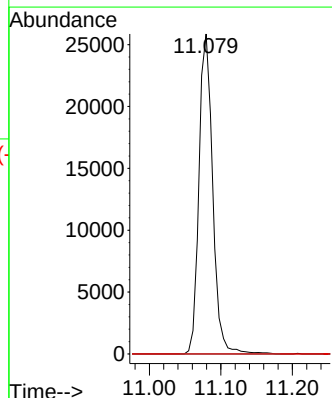
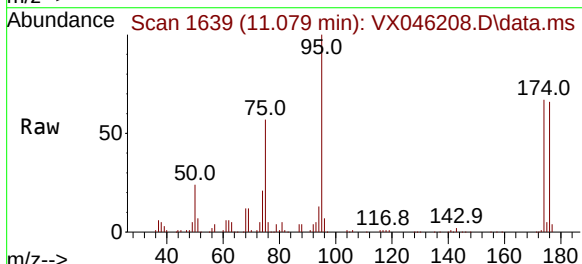
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-182-GW-60-62

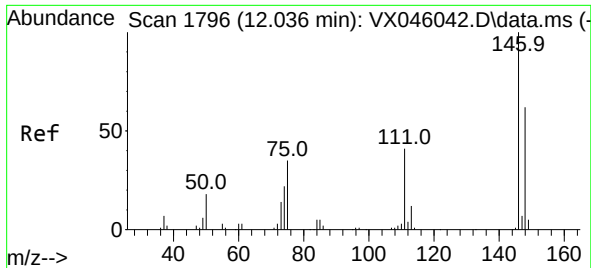
Tgt Ion: 75 Resp: 34410
Ion Ratio Lower Upper
75 100
77 1.0 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.123 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046208.D
Acq: 15 May 2025 13:01

Tgt Ion: 75 Resp: 34410
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

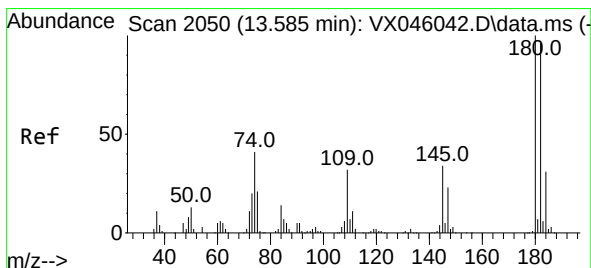
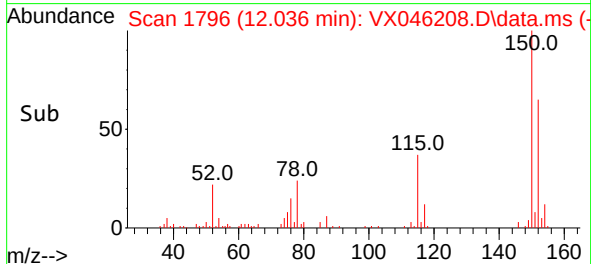
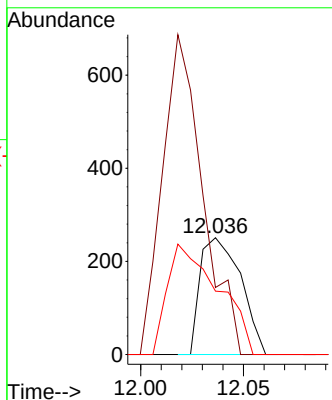
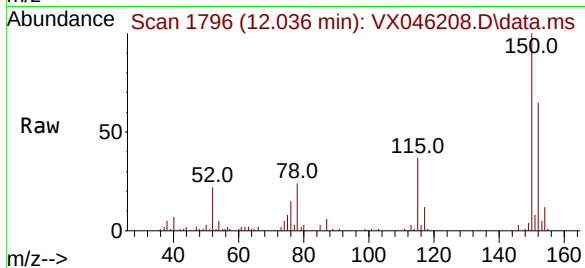




#88
 1,4-Dichlorobenzene
 Concen: 0.202 ug/l
 RT: 12.036 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046208.D
 Acq: 15 May 2025 13:01

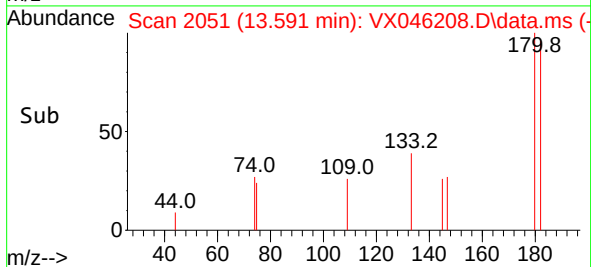
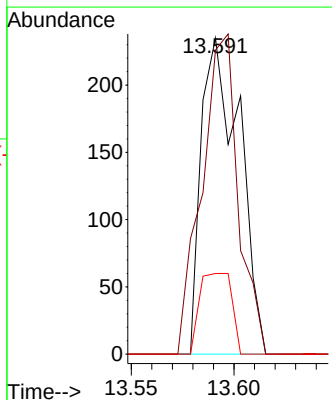
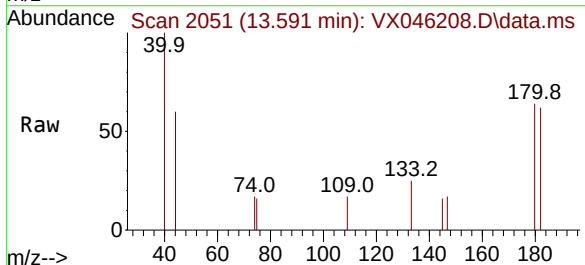
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-182-GW-60-62

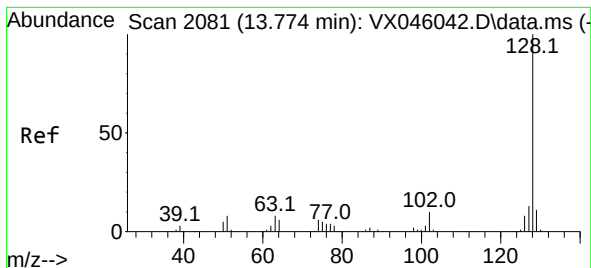
Tgt Ion:146 Resp: 343
 Ion Ratio Lower Upper
 146 100
 111 272.3 21.3 63.9#
 148 119.5 31.9 95.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.315 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX046208.D
 Acq: 15 May 2025 13:01

Tgt Ion:180 Resp: 303
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.9 143.8
 145 21.5 17.1 51.2





#95

Naphthalene

Concen: 0.643 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX046208.D

Acq: 15 May 2025 13:01

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-182-GW-60-62

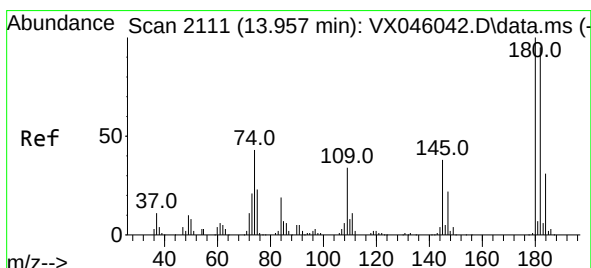
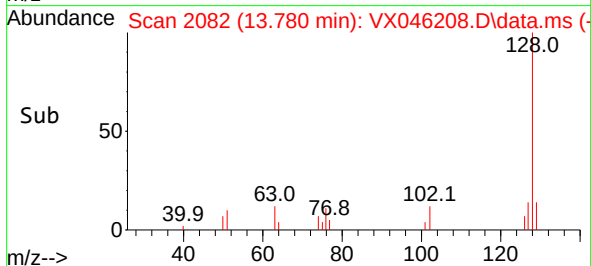
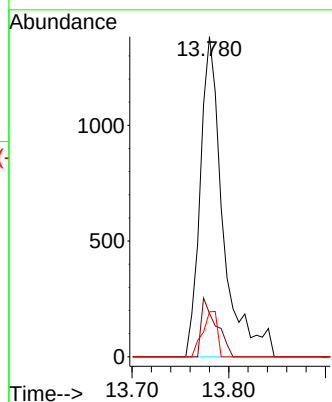
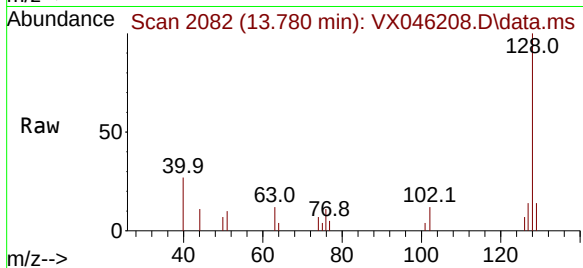
Tgt Ion:128 Resp: 2265

Ion Ratio Lower Upper

128 100

127 12.1 10.4 15.6

129 9.1 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.411 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX046208.D

Acq: 15 May 2025 13:01

Tgt Ion:180 Resp: 407

Ion Ratio Lower Upper

180 100

182 70.5 47.8 143.3

145 23.8 18.1 54.3

