

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051325\
 Data File : VX046160.D
 Acq On : 13 May 2025 12:51
 Operator : JC/MD
 Sample : Q2013-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT192D2-GW-20250508

Quant Time: May 14 01:38:10 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)

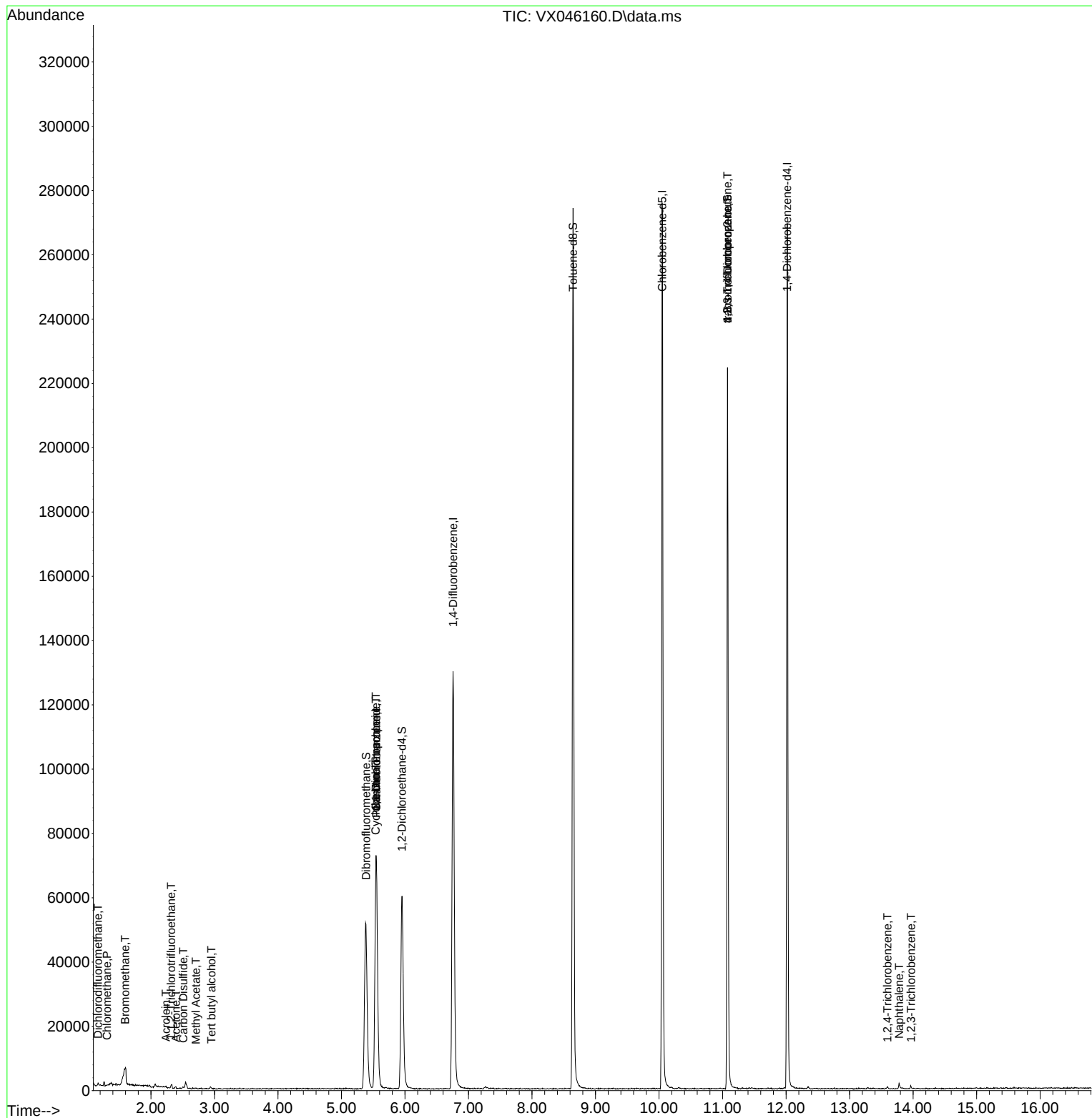
Internal Standards						
1) Pentafluorobenzene	5.550	168	62262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125239	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62569	53.903	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.800%			
35) Dibromofluoromethane	5.385	113	44873	49.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	8.647	98	154154	49.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.780%			
62) 4-Bromofluorobenzene	11.079	95	60355	50.408	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	274	0.288	ug/l	86
3) Chloromethane	1.307	50	240	0.260	ug/l #	43
5) Bromomethane	1.593	94	85	0.213	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.319	101	552	0.702	ug/l #	80
11) Tert butyl alcohol	2.953	59	52	0.319	ug/l #	72
13) Acrolein	2.233	56	64	0.345	ug/l #	15
16) Acetone	2.392	43	609	1.309	ug/l #	81
17) Carbon Disulfide	2.508	76	603	0.345	ug/l #	76
18) Methyl Acetate	2.709	43	350	0.324	ug/l #	55
31) Cyclohexane	5.538	56	1834	1.326	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	6151	5.076	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7363	5.408	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	34299	28.835	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34299	93.878	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.597	180	382	0.407	ug/l #	58
95) Naphthalene	13.780	128	1877	0.545	ug/l #	88
96) 1,2,3-Trichlorobenzene	13.969	180	293	0.302	ug/l	82

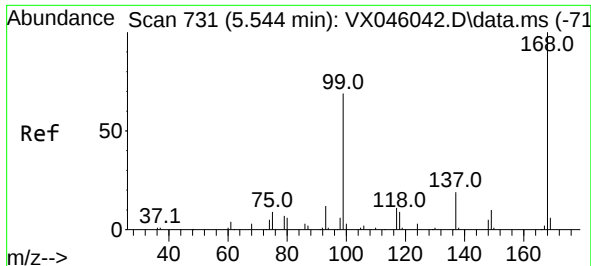
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-TT192D2-GW-20250508

Quant Time: May 14 01:38:10 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

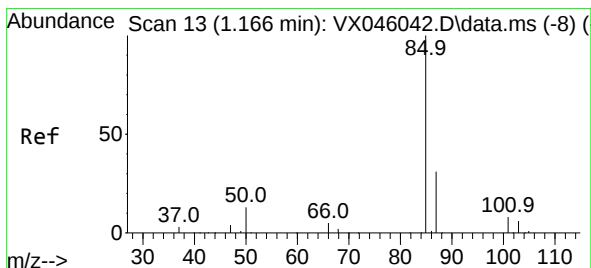
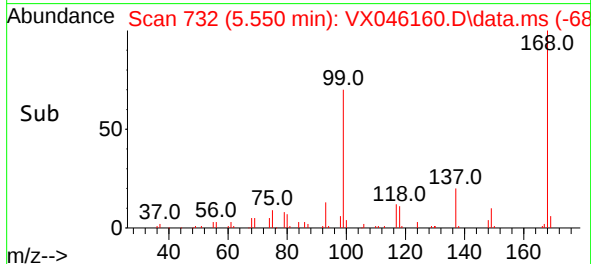
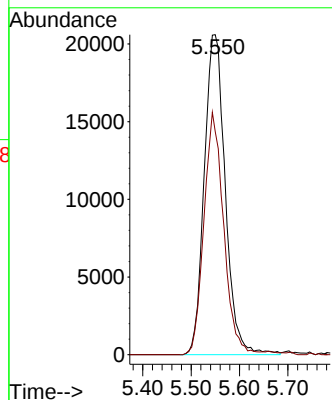
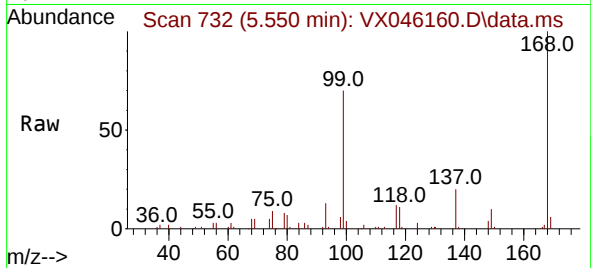




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

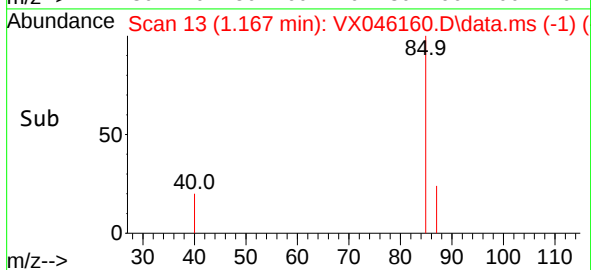
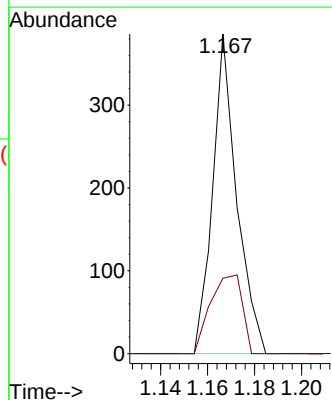
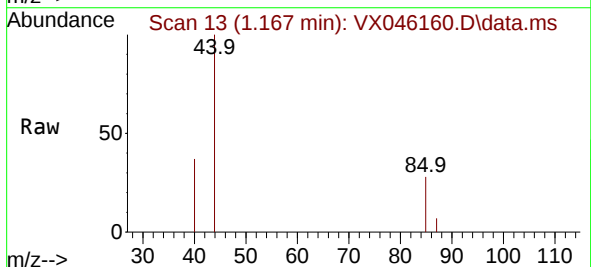
Instrument :
MSVOA_X
ClientSampleId :
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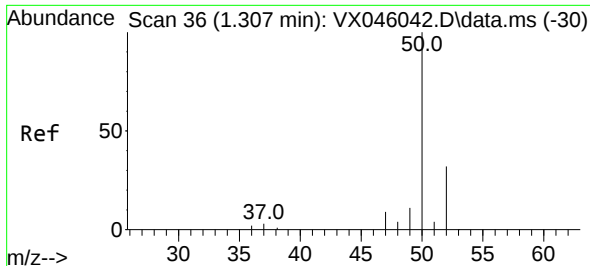
Tgt Ion:168 Resp: 62262
Ion Ratio Lower Upper
168 100
99 69.7 54.9 82.3



#2
Dichlorodifluoromethane
Concen: 0.288 ug/l
RT: 1.167 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 85 Resp: 274
Ion Ratio Lower Upper
85 100
87 23.6 15.7 47.1

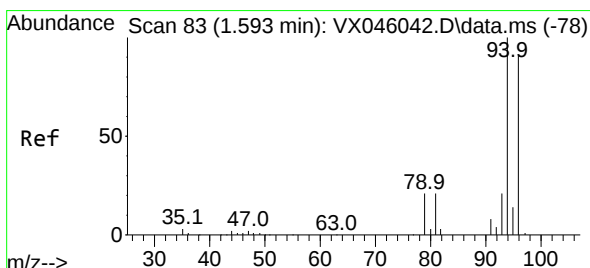
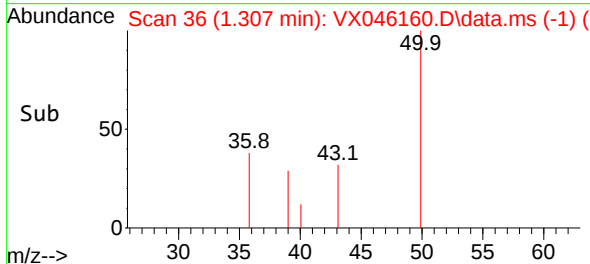
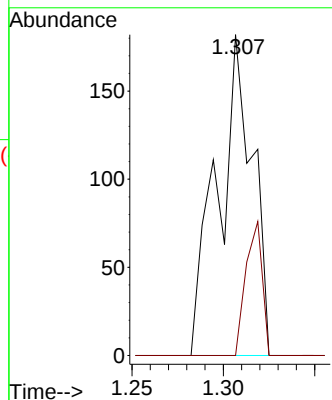
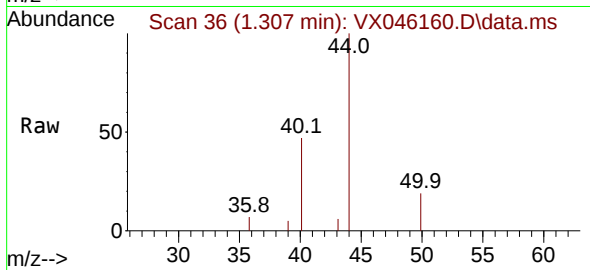




#3
Chloromethane
Concen: 0.260 ug/l
RT: 1.307 min Scan# 30
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

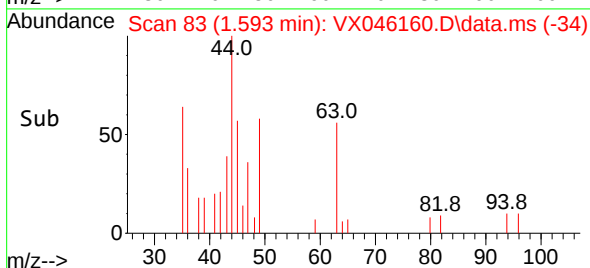
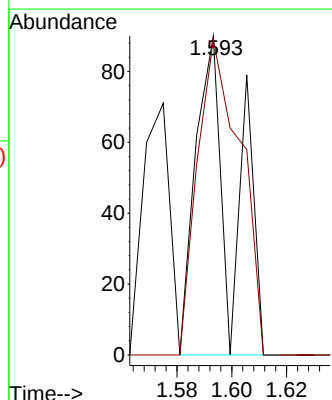
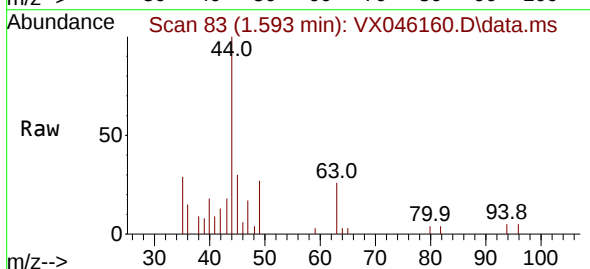
Instrument :
MSVOA_X
ClientSampleId :
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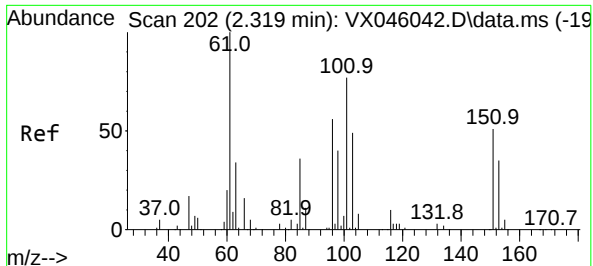
Tgt Ion: 50 Resp: 240
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



#5
Bromomethane
Concen: 0.213 ug/l
RT: 1.593 min Scan# 83
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 94 Resp: 85
Ion Ratio Lower Upper
94 100
96 98.9 72.8 109.2

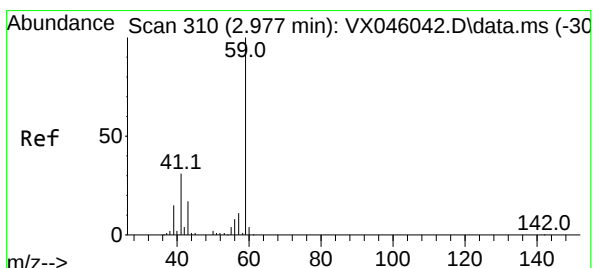
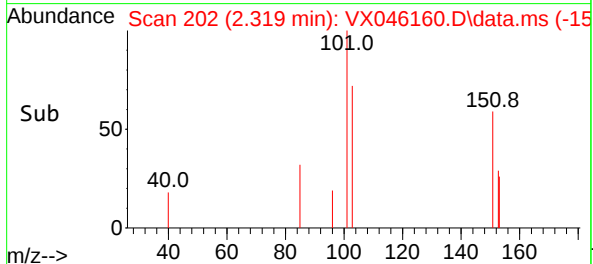
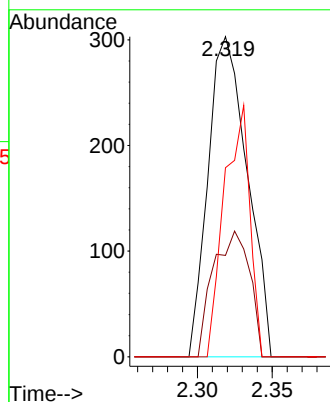
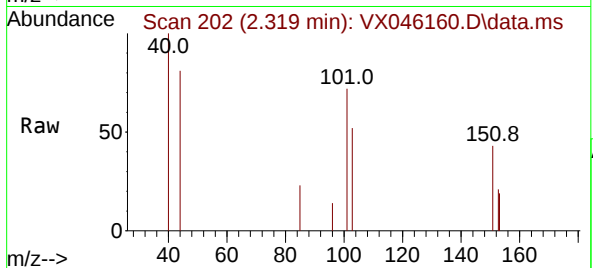




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.702 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

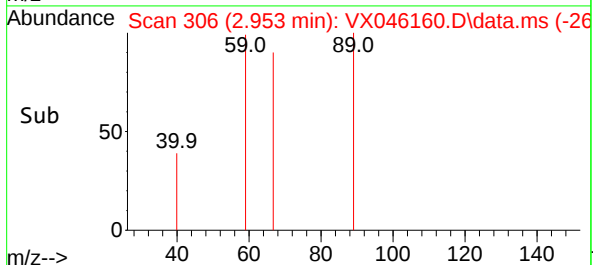
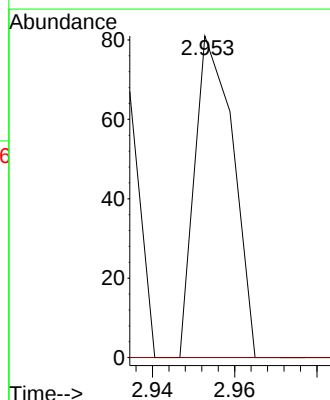
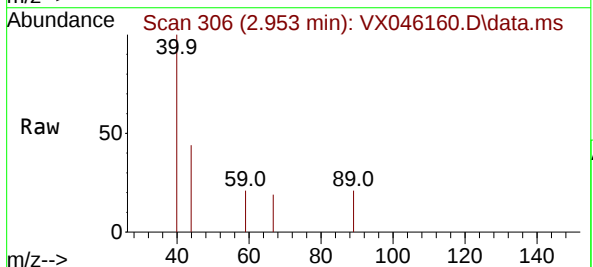
Instrument :
MSVOA_X
ClientSampleId :
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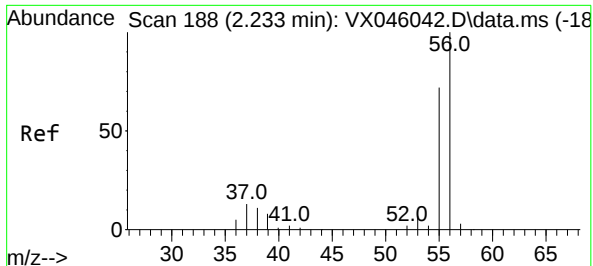
Tgt Ion:101 Resp: 552
Ion Ratio Lower Upper
101 100
85 36.2 38.6 58.0#
151 51.3 55.2 82.8#



#11
Tert butyl alcohol
Concen: 0.319 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 59 Resp: 52
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

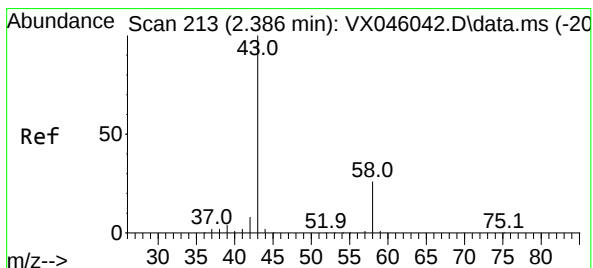
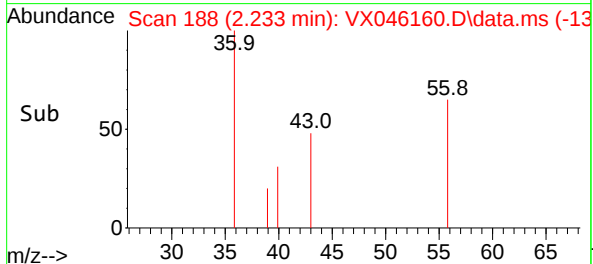
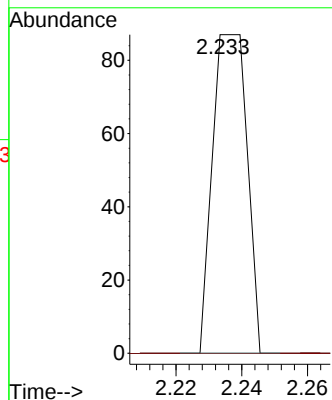
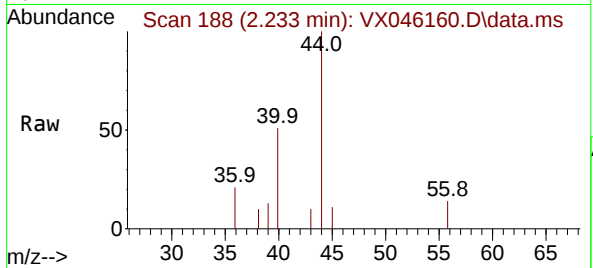




#13
Acrolein
Concen: 0.345 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

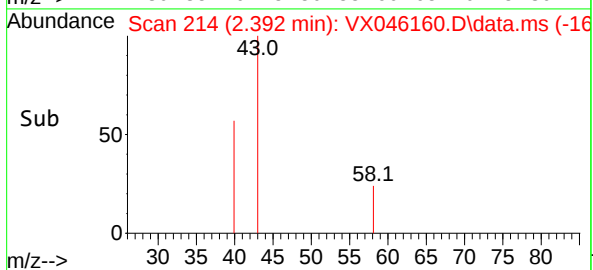
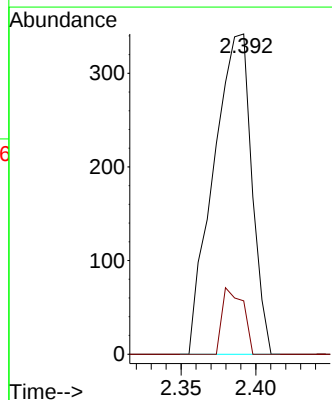
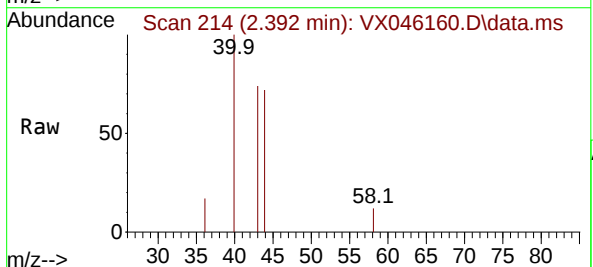
Instrument :
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ClientSampleId :
BP-TT192D2-GW-20250508

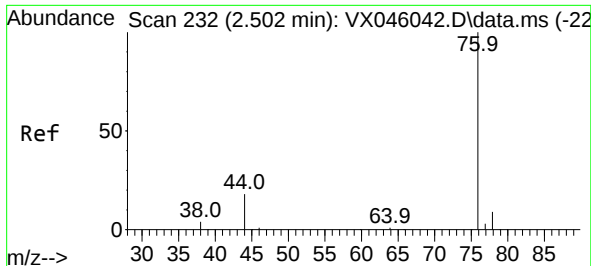
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 1.309 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 43 Resp: 609
Ion Ratio Lower Upper
43 100
58 16.7 21.2 31.8#

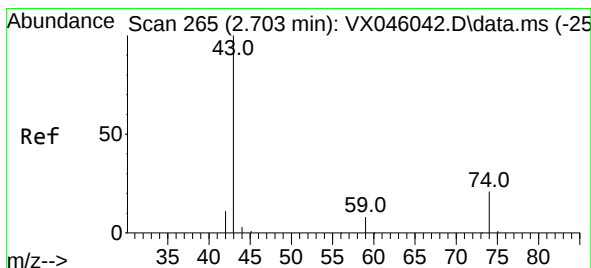
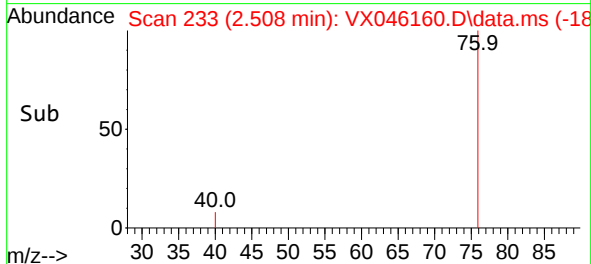
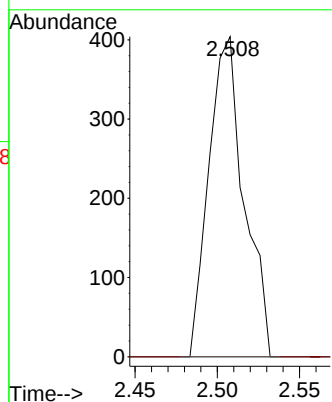
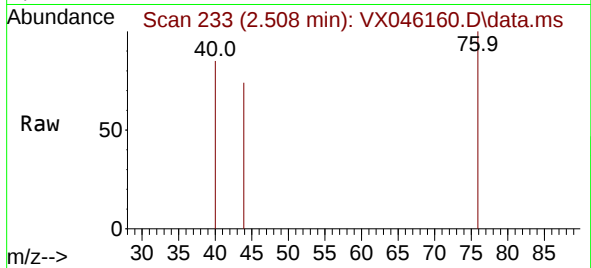




#17
Carbon Disulfide
Concen: 0.345 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

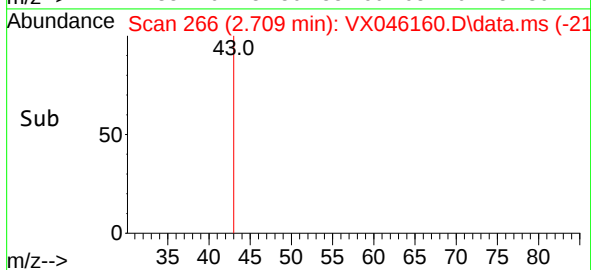
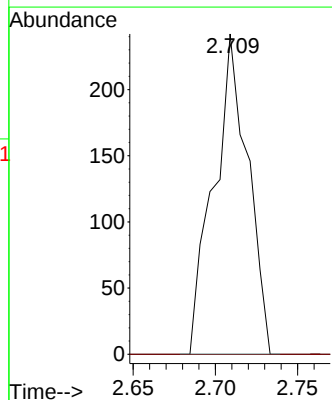
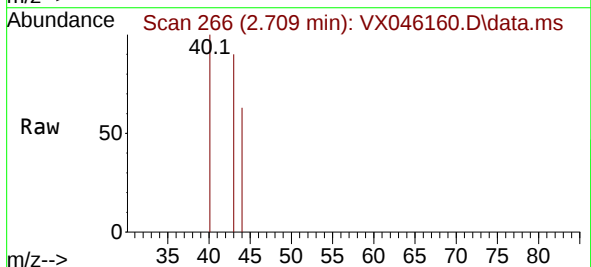
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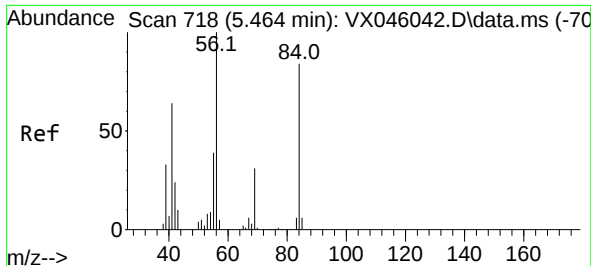
Tgt Ion: 76 Resp: 603
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methyl Acetate
Concen: 0.324 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 43 Resp: 350
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

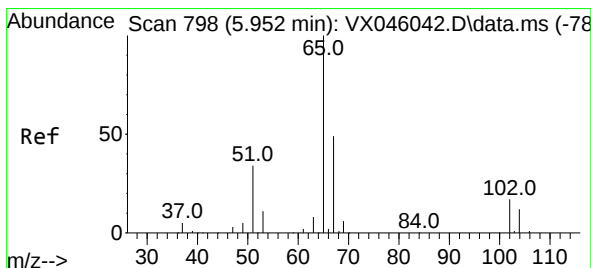
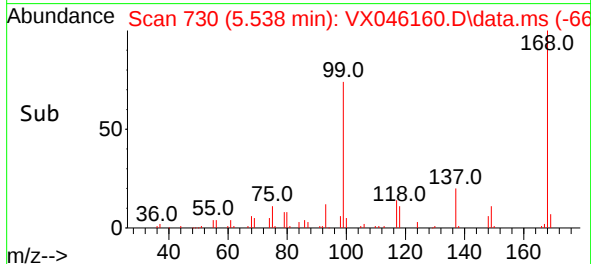
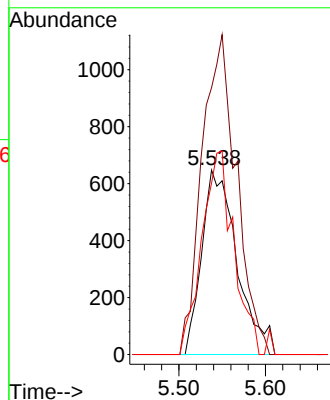
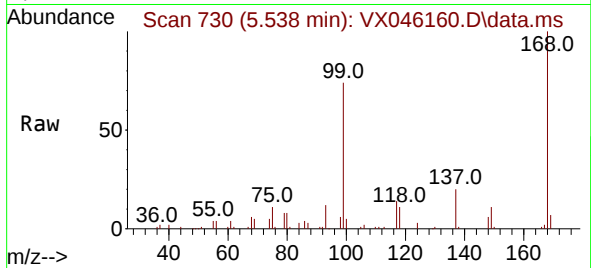




#31
Cyclohexane
Concen: 1.326 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

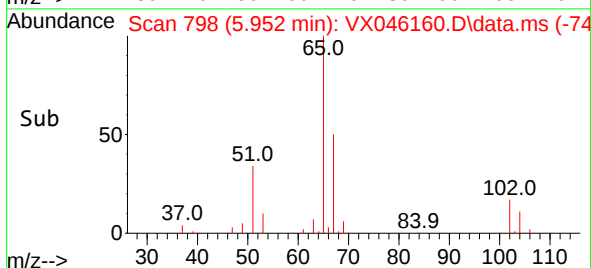
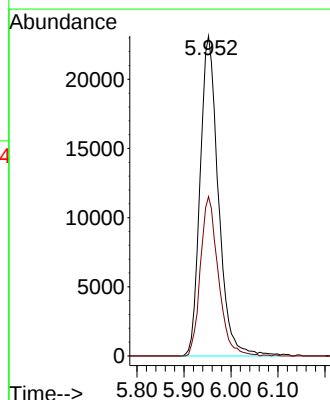
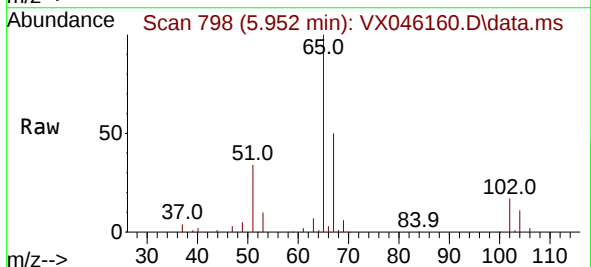
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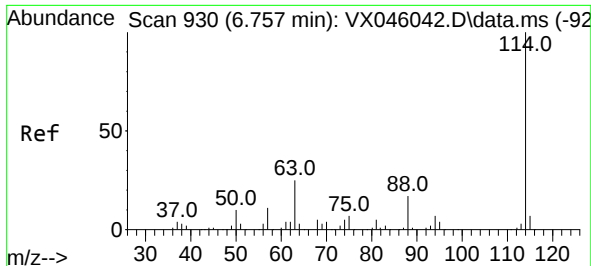
Tgt Ion: 56 Resp: 1834
Ion Ratio Lower Upper
56 100
69 144.6 24.4 36.6#
84 92.9 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 53.903 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 65 Resp: 62569
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.0

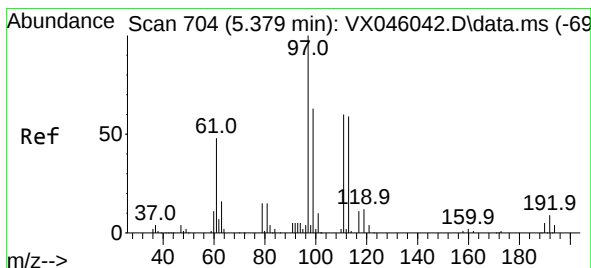
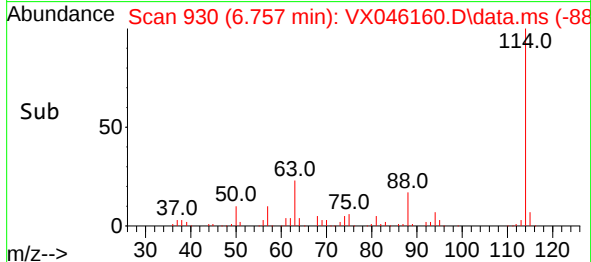
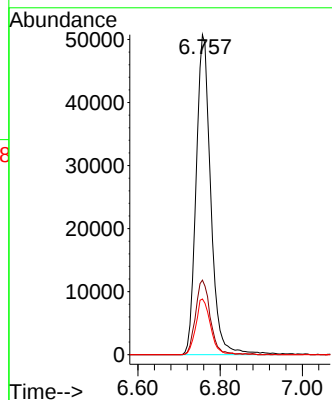
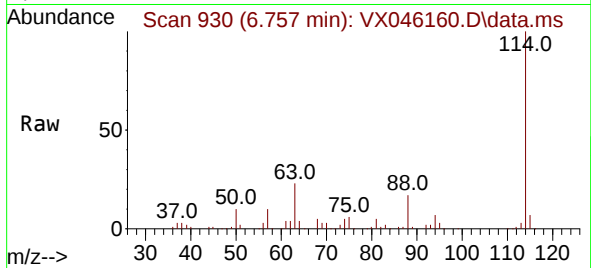




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

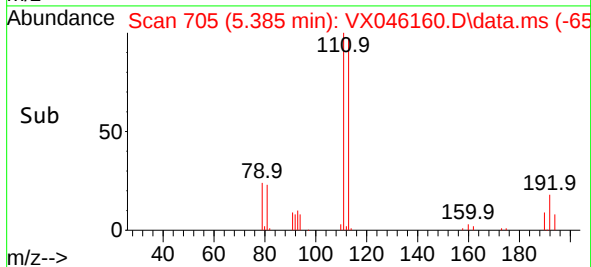
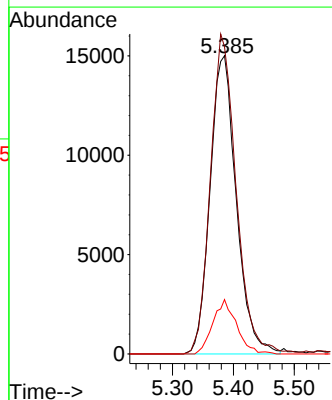
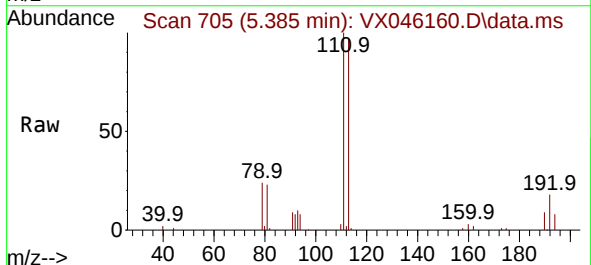
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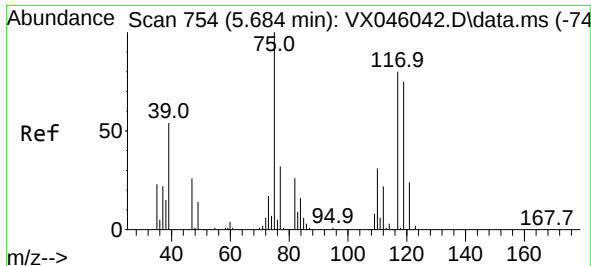
Tgt Ion:114 Resp: 125239
Ion Ratio Lower Upper
114 100
63 23.3 0.0 49.2
88 17.4 0.0 33.6



#35
Dibromofluoromethane
Concen: 49.756 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion:113 Resp: 44873
Ion Ratio Lower Upper
113 100
111 105.4 83.1 124.7
192 16.5 13.3 19.9

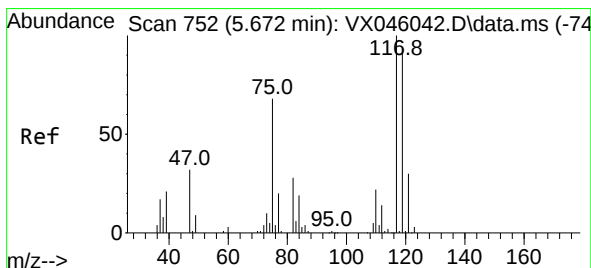
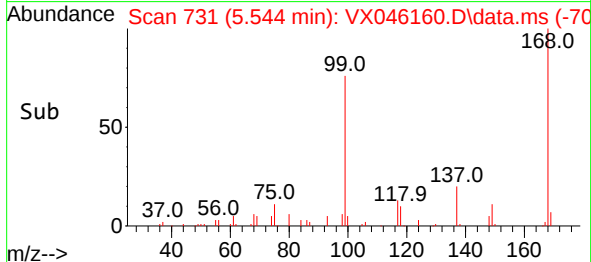
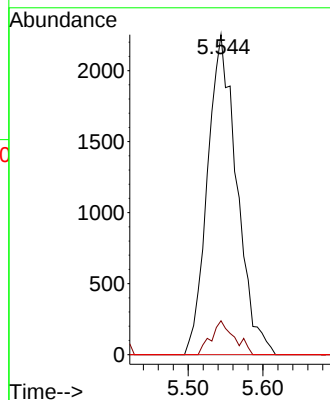
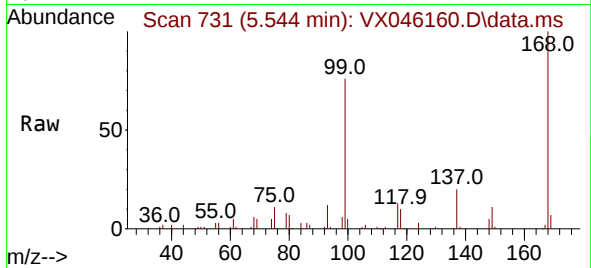




#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

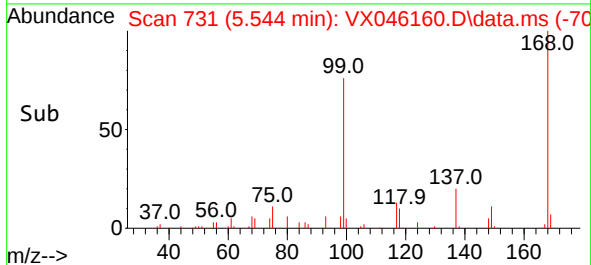
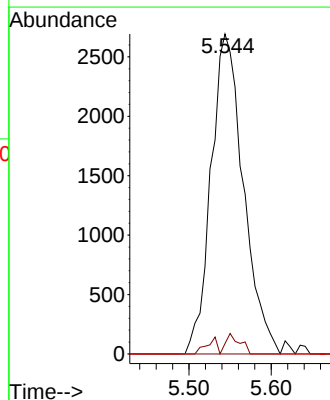
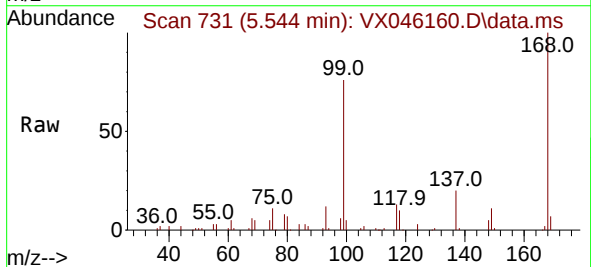
Instrument :
MSVOA_X
ClientSampleId :
BP-TT192D2-GW-20250508

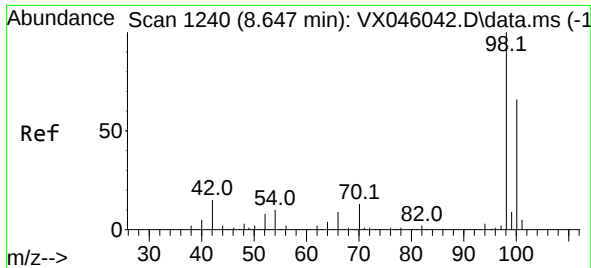
Tgt Ion: 75 Resp: 6151
Ion Ratio Lower Upper
75 100
110 8.3 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.408 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 117 Resp: 7363
Ion Ratio Lower Upper
117 100
119 3.3 75.2 112.8#
121 0.0 24.2 36.4#

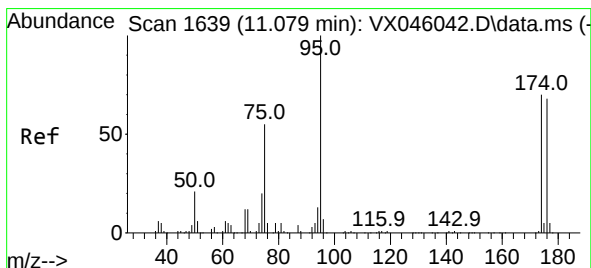
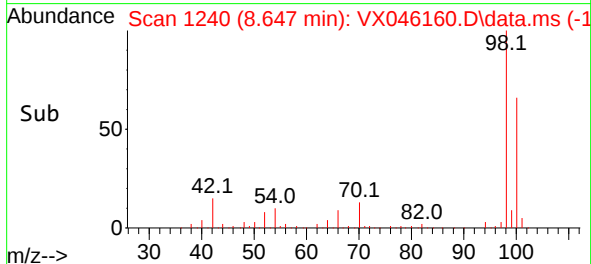
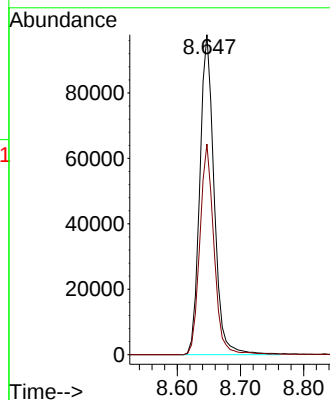
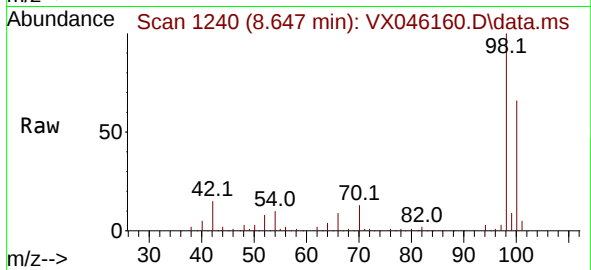




#50
Toluene-d8
Concen: 49.386 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

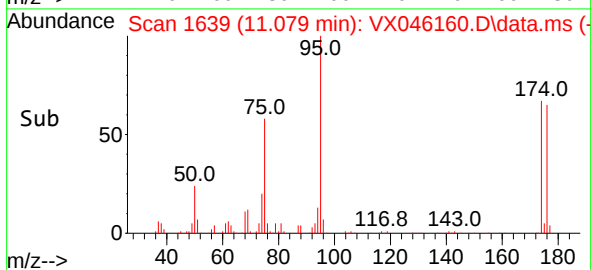
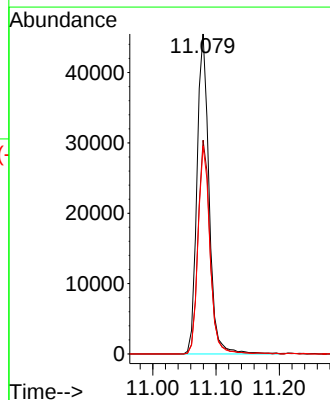
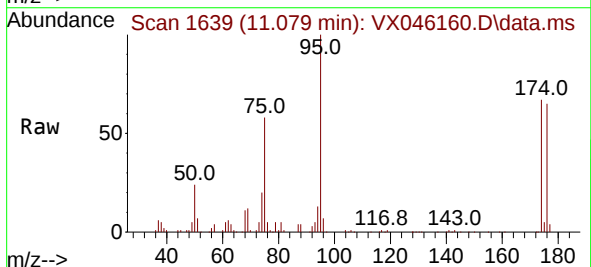
Instrument :
MSVOA_X
ClientSampleId :
BP-TT192D2-GW-20250508

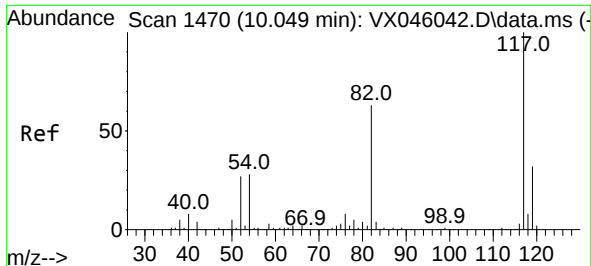
Tgt Ion: 98 Resp: 154154
Ion Ratio Lower Upper
98 100
100 65.4 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 50.408 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 95 Resp: 60355
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 64.1 0.0 131.4

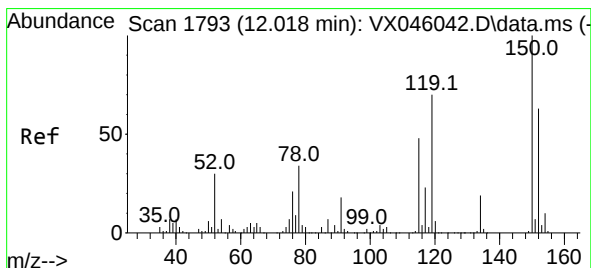
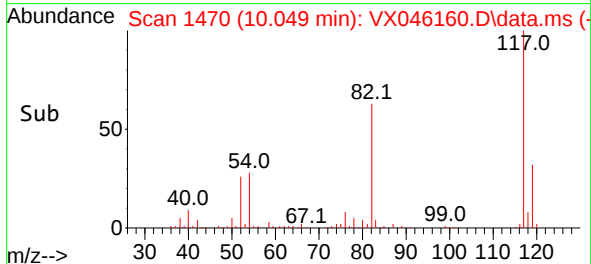
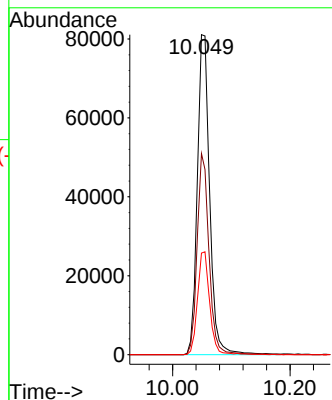
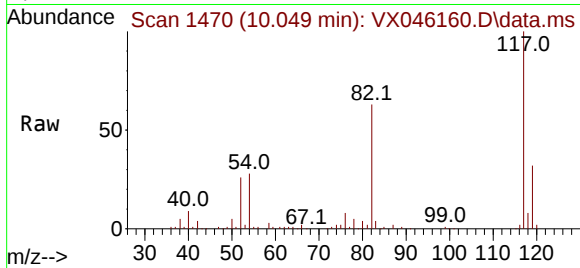




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

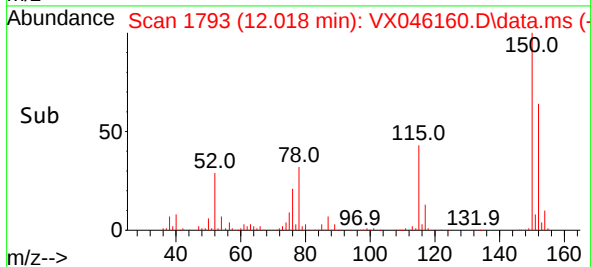
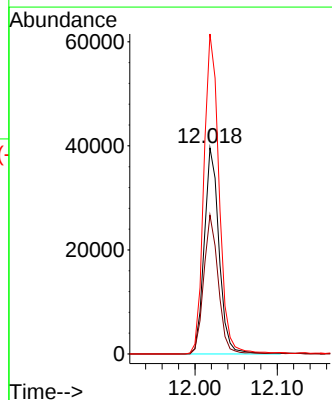
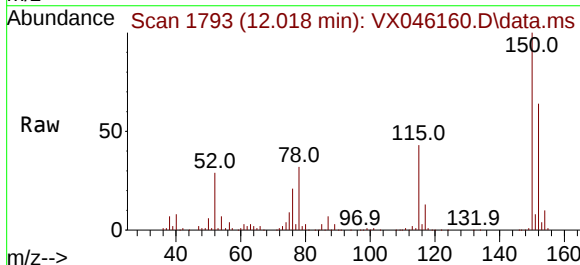
Instrument :
MSVOA_X
ClientSampleId :
BP-TT192D2-GW-20250508

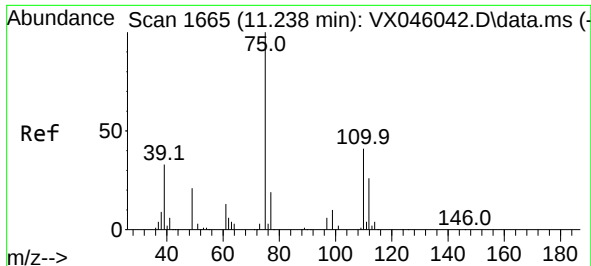
Tgt Ion:117 Resp: 118445
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 31.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion:152 Resp: 49417
Ion Ratio Lower Upper
152 100
115 66.1 46.9 140.7
150 160.3 0.0 351.0

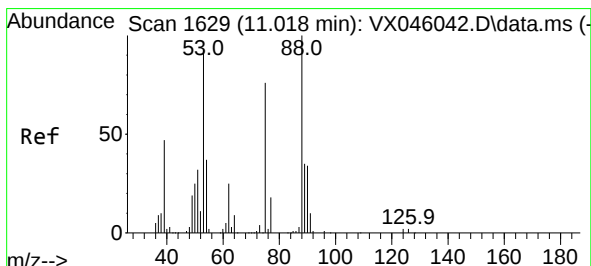
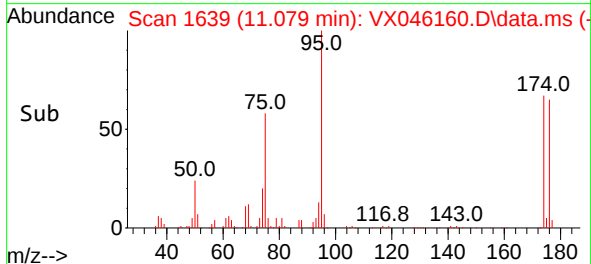
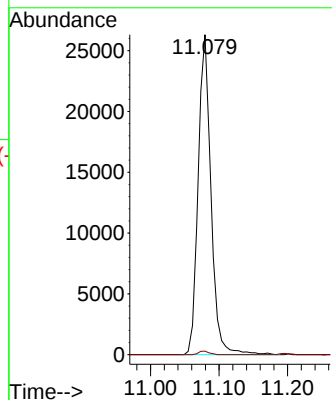
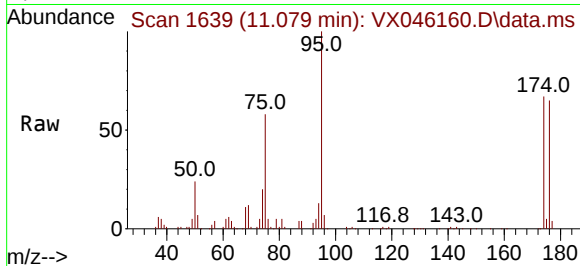




#76
1,2,3-Trichloropropane
Concen: 28.835 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

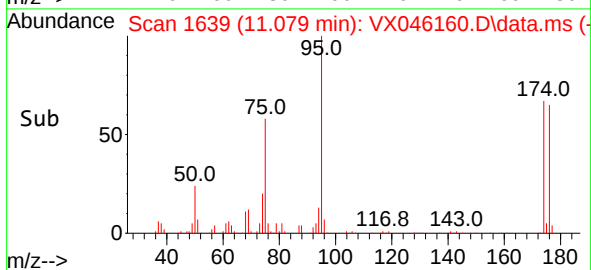
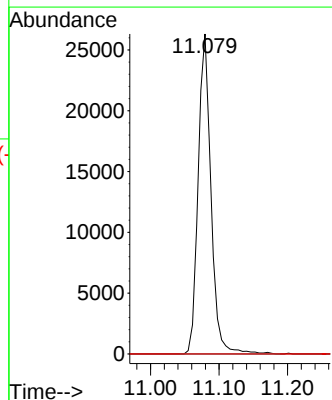
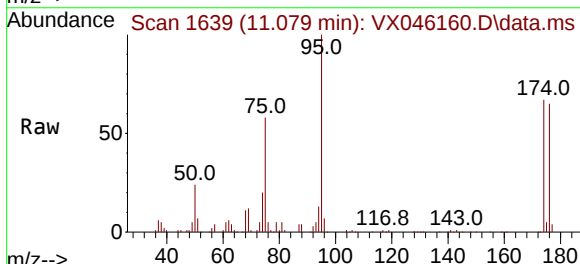
Instrument : MSVOA_X
ClientSampleId : BP-TT192D2-GW-20250508

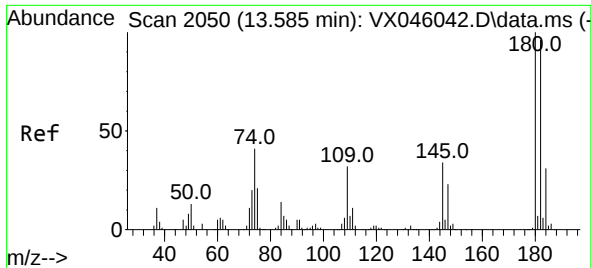
Tgt Ion: 75 Resp: 34299
Ion Ratio Lower Upper
75 100
77 0.9 20.5 61.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.878 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion: 75 Resp: 34299
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

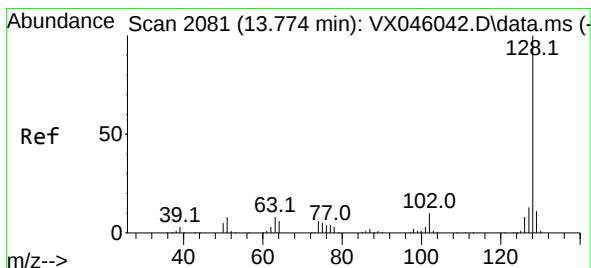
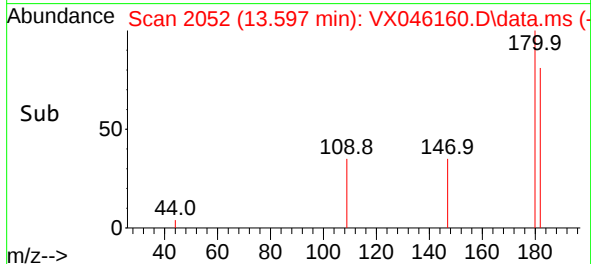
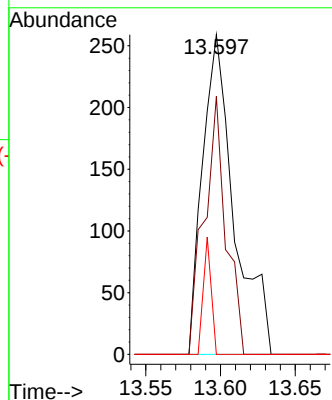
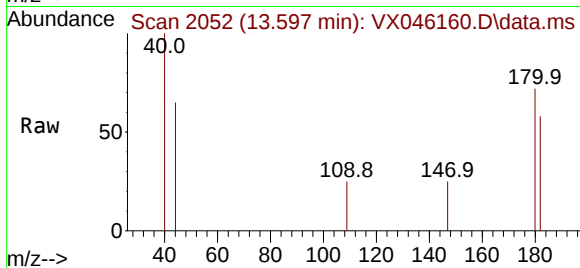




#93
1,2,4-Trichlorobenzene
Concen: 0.407 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.012 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

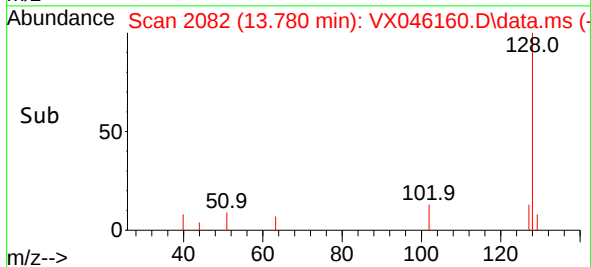
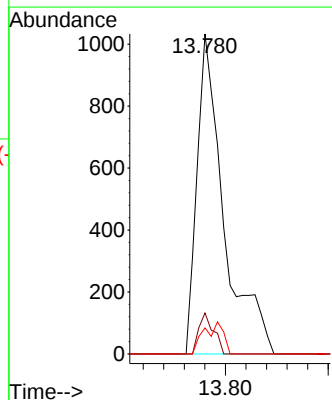
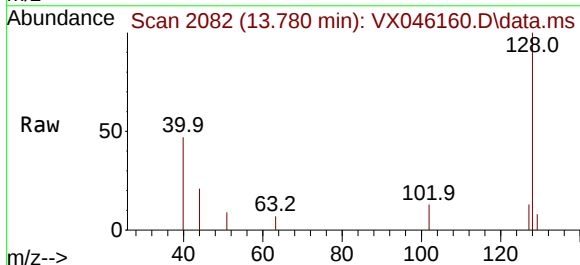
Instrument :
MSVOA_X
ClientSampleId :
BP-TT192D2-GW-20250508

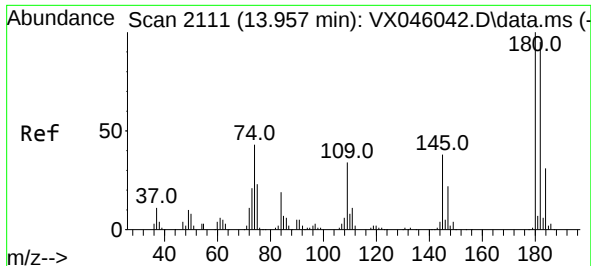
Tgt Ion:180 Resp: 382
Ion Ratio Lower Upper
180 100
182 55.8 47.9 143.8
145 9.2 17.1 51.2#



#95
Naphthalene
Concen: 0.545 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046160.D
Acq: 13 May 2025 12:51

Tgt Ion:128 Resp: 1877
Ion Ratio Lower Upper
128 100
127 7.0 10.4 15.6#
129 7.2 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 0.302 ug/l

RT: 13.969 min Scan# 2113

Delta R.T. 0.012 min

Lab File: VX046160.D

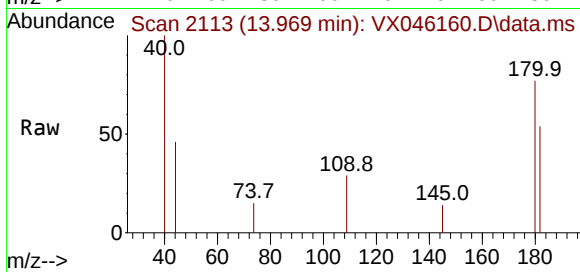
Acq: 13 May 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

BP-TT192D2-GW-20250508



Tgt Ion:180 Resp: 293

Ion Ratio Lower Upper

180 100

182 115.4 47.8 143.3

145 28.7 18.1 54.3

