

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071825\
 Data File : VV038916.D
 Acq On : 18 Jul 2025 12:43
 Operator : SY/MD
 Sample : VV0718WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0718WBL01

Quant Time: Jul 19 00:41:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 09:44:44 2025
 Response via : Initial Calibration

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

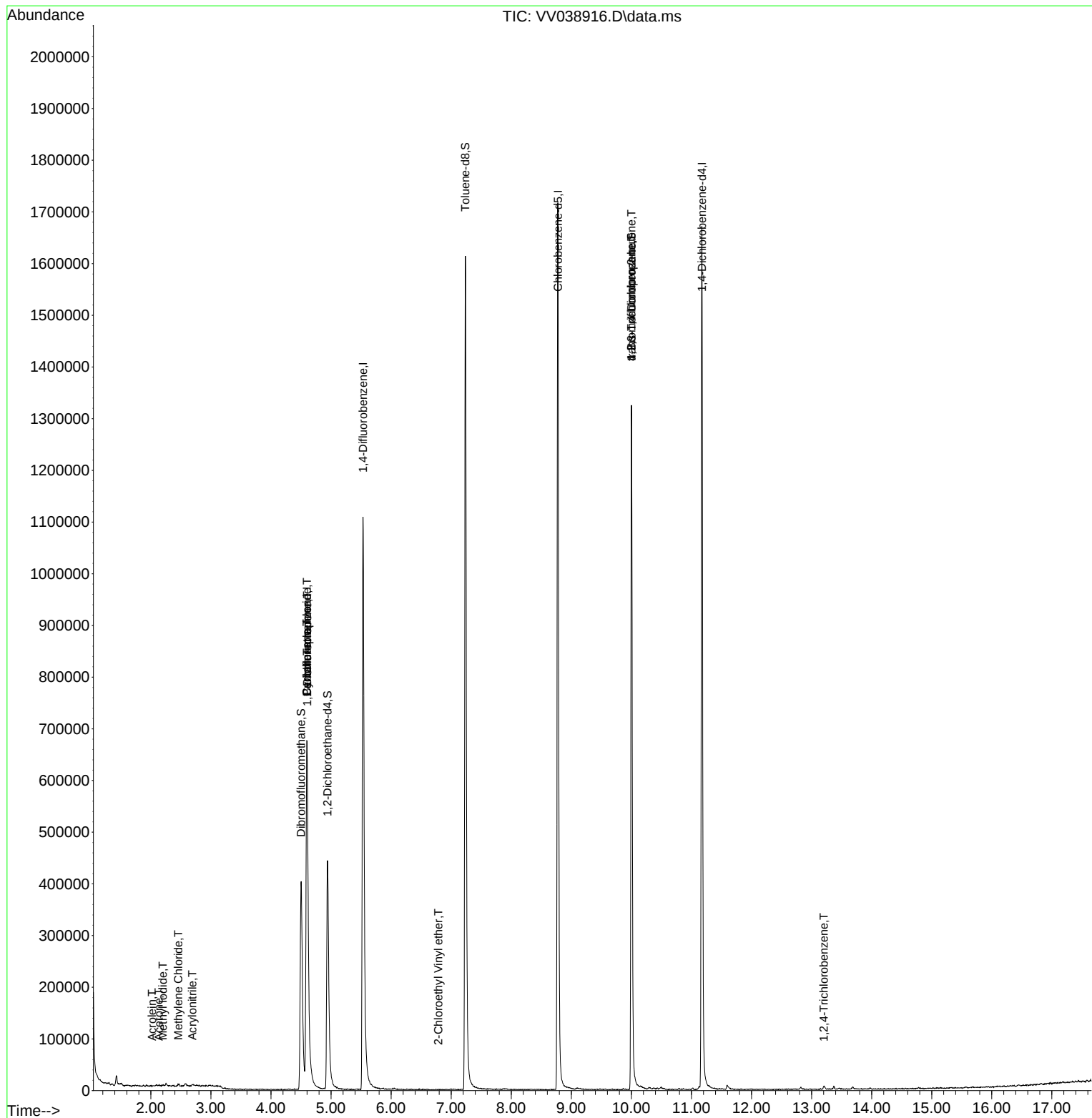
Internal Standards						
1) Pentafluorobenzene	4.600	168	588259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1084817	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	974075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	442233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	401478	55.858	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 111.720%			
35) Dibromofluoromethane	4.503	113	333657	45.111	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 90.220%			
50) Toluene-d8	7.236	98	1137285	50.870	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.740%			
62) 4-Bromofluorobenzene	10.001	95	438954	48.739	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.480%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.503	94	1303	Below Cal	#	70
10) Methyl Iodide	2.198	142	1566	0.202	ug/l #	88
13) Acrolein	2.021	56	69	0.288	ug/l #	1
15) Acrylonitrile	2.690	53	1475	0.348	ug/l #	30
16) Acetone	2.130	43	1349	0.434	ug/l #	49
17) Carbon Disulfide	2.253	76	4554	Below Cal		97
20) Methylene Chloride	2.458	84	1705	0.216	ug/l #	93
31) Cyclohexane	4.596	56	13253	1.573	ug/l #	17
36) 1,1-Dichloropropene	4.603	75	46680	5.492	ug/l #	45
38) Carbon Tetrachloride	4.600	117	60419	5.351	ug/l #	17
58) 2-Chloroethyl Vinyl ether	6.786	63	42	8.598	ug/l #	45
76) 1,2,3-Trichloropropane	10.001	75	224815	27.342	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.001	75	224815	66.724	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.204	180	2498	0.308	ug/l	99

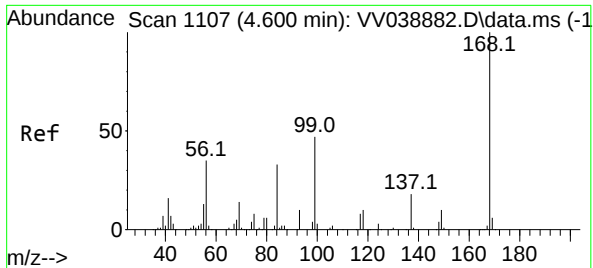
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 19 00:41:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 14 09:44:44 2025
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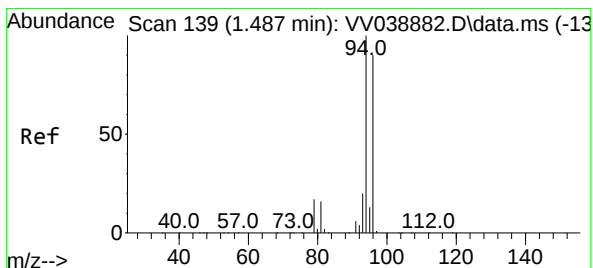
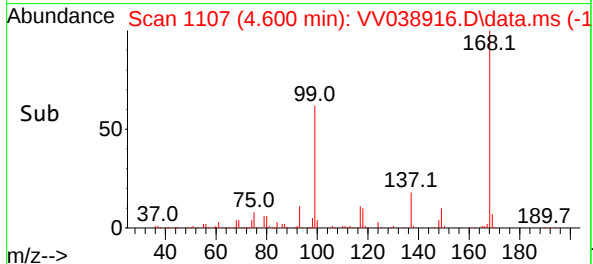
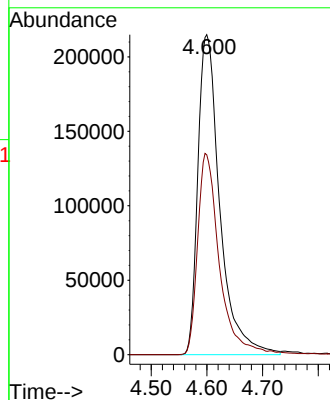
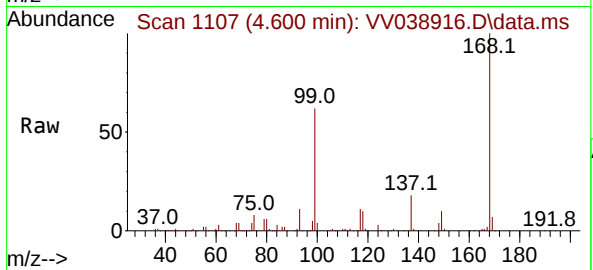




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

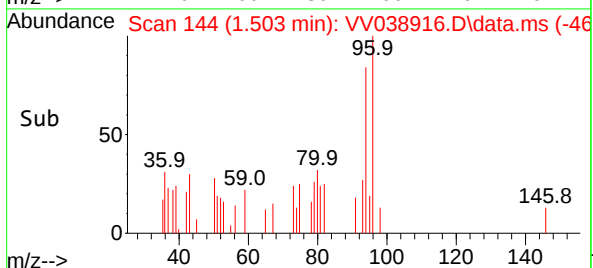
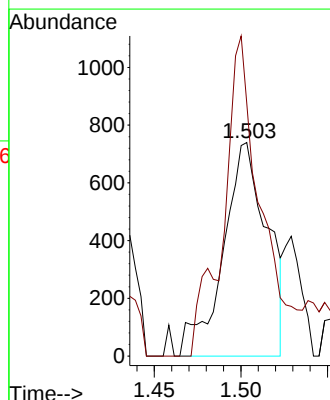
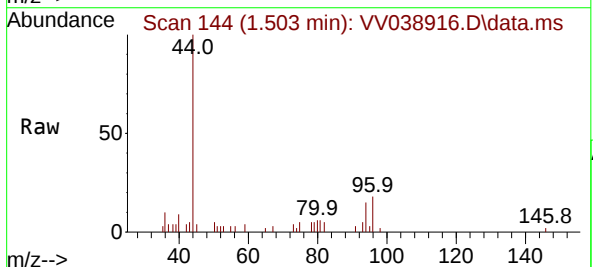
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

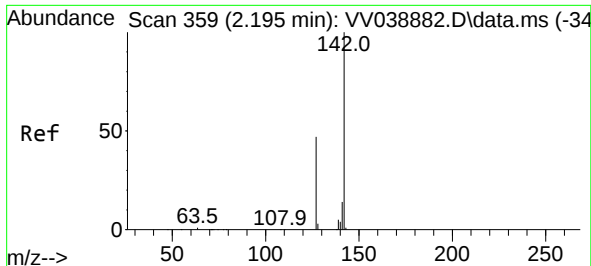
Tgt Ion:168 Resp: 588259
Ion Ratio Lower Upper
168 100
99 62.4 48.6 73.0



#5
Bromomethane
Concen: Below Cal
RT: 1.503 min Scan# 144
Delta R.T. 0.016 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

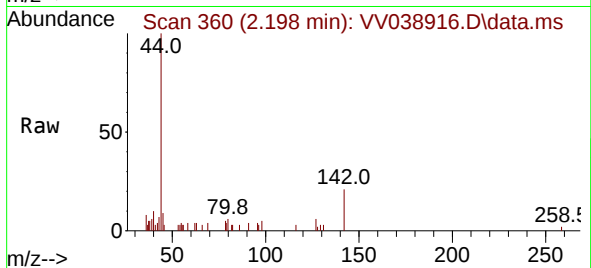
Tgt Ion: 94 Resp: 1303
Ion Ratio Lower Upper
94 100
96 118.4 71.9 107.9#



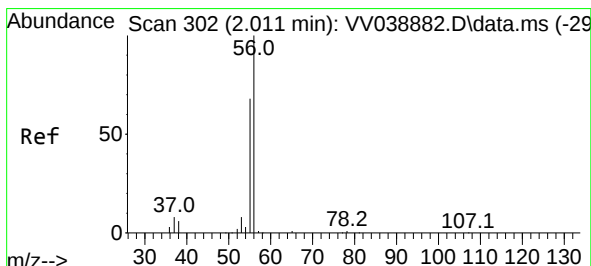
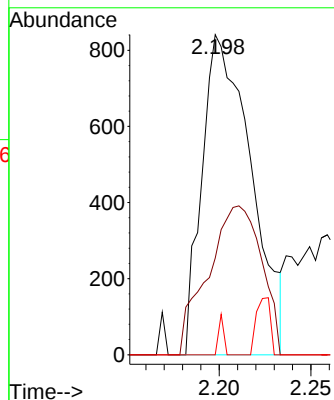
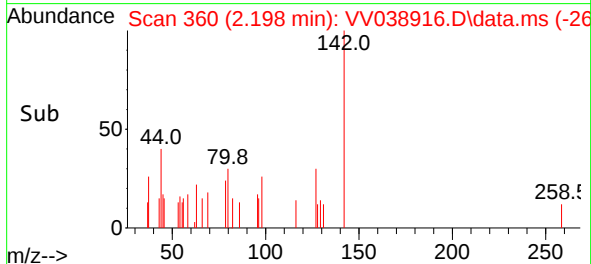


#10
Methyl Iodide
Concen: 0.202 ug/l
RT: 2.198 min Scan# 305
Delta R.T. 0.003 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

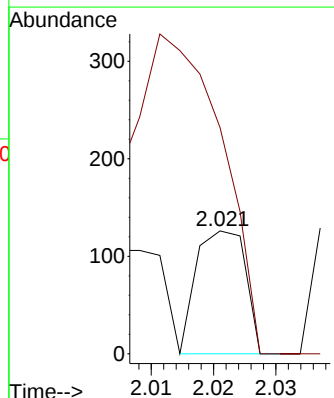
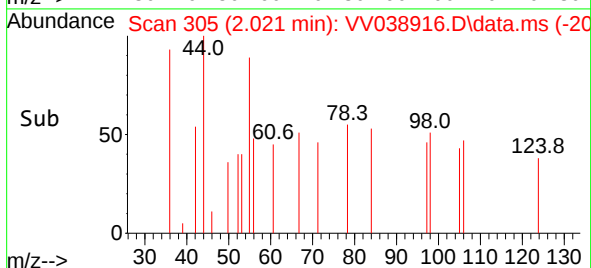
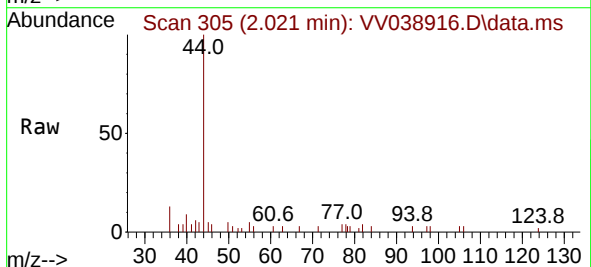


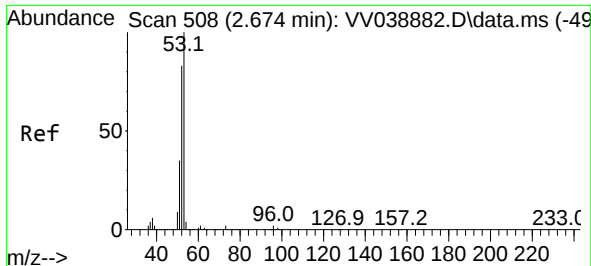
Tgt Ion:142 Resp: 1566
Ion Ratio Lower Upper
142 100
127 51.0 37.3 55.9
141 1.3 11.2 16.8#



#13
Acrolein
Concen: 0.288 ug/l
RT: 2.021 min Scan# 305
Delta R.T. 0.010 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 433.3 56.7 85.1#

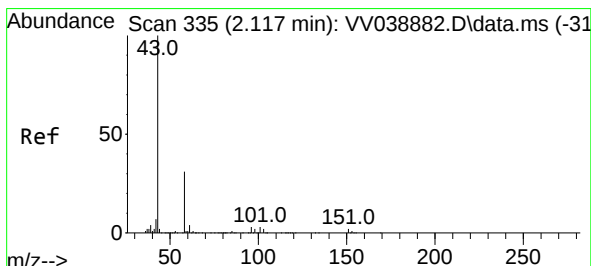
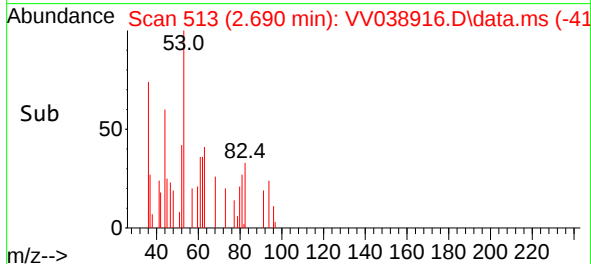
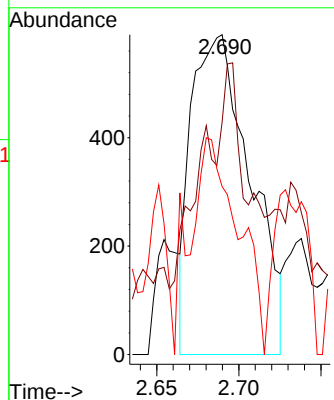
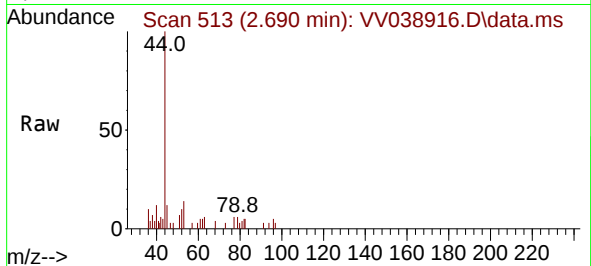




#15
Acrylonitrile
Concen: 0.348 ug/l
RT: 2.690 min Scan# 513
Delta R.T. 0.016 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

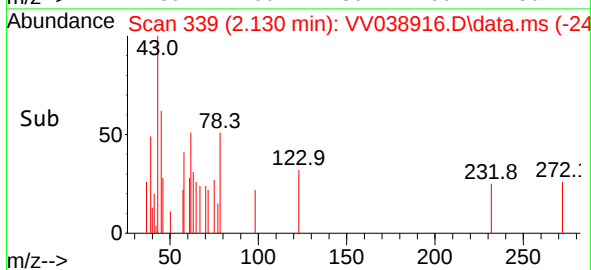
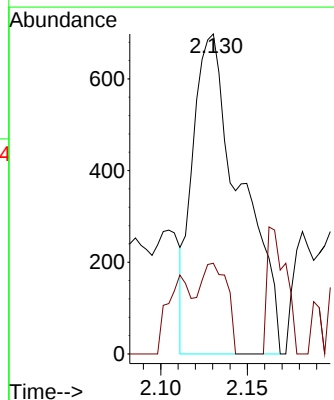
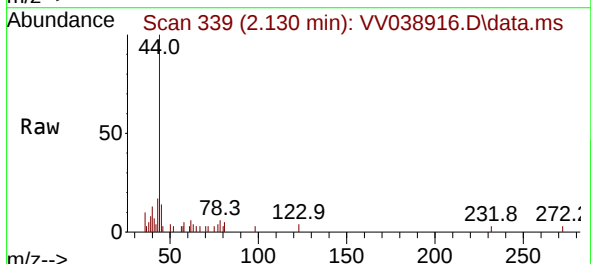
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

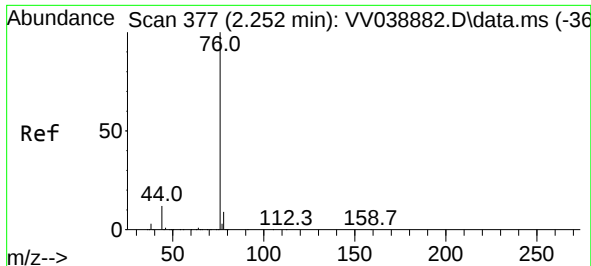
Tgt Ion: 53 Resp: 1475
Ion Ratio Lower Upper
53 100
52 16.5 66.6 99.8#
51 0.0 28.7 43.1#



#16
Acetone
Concen: 0.434 ug/l
RT: 2.130 min Scan# 339
Delta R.T. 0.013 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
58 3.7 25.8 38.6#

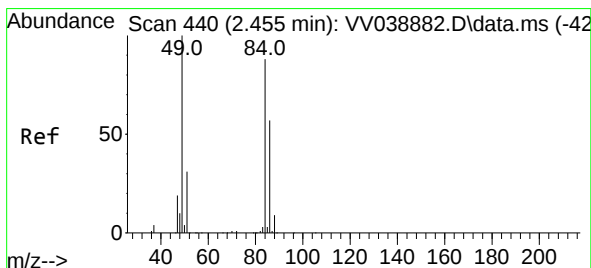
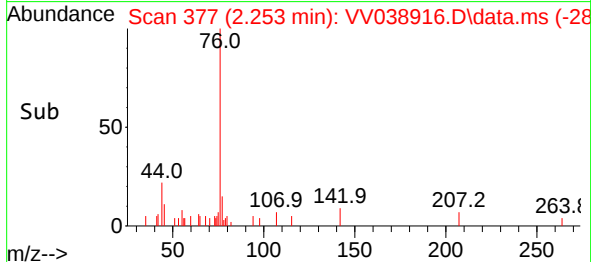
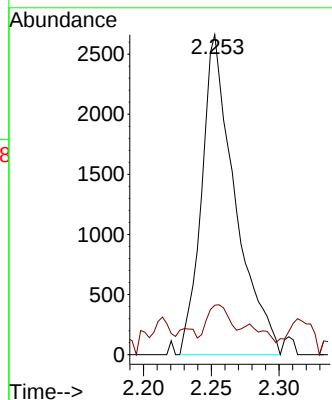
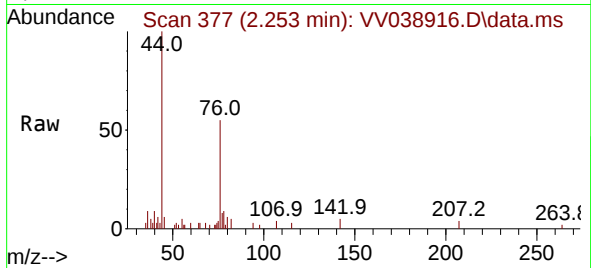




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.253 min Scan# 31
Delta R.T. 0.001 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

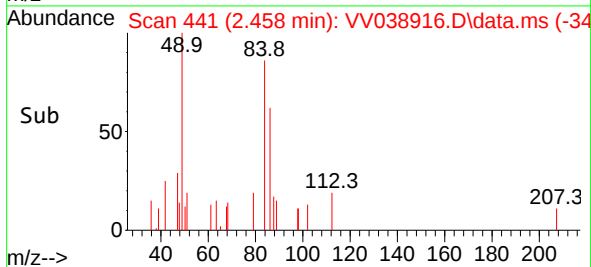
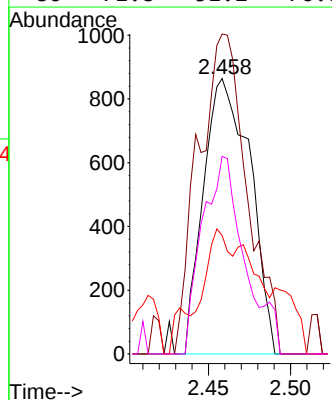
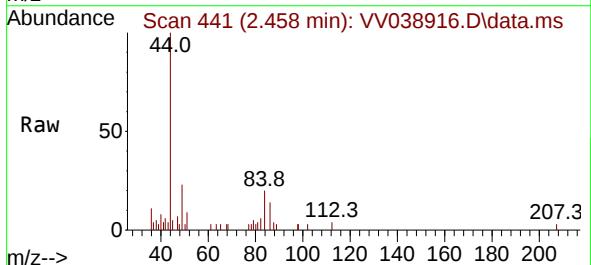
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

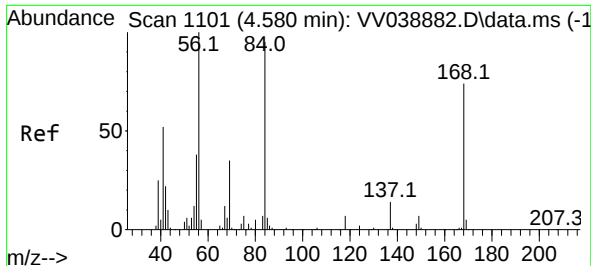
Tgt Ion: 76 Resp: 4554
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 84 Resp: 1705
Ion Ratio Lower Upper
84 100
49 116.2 90.5 135.7
51 26.3 27.8 41.6#
86 71.8 51.2 76.8

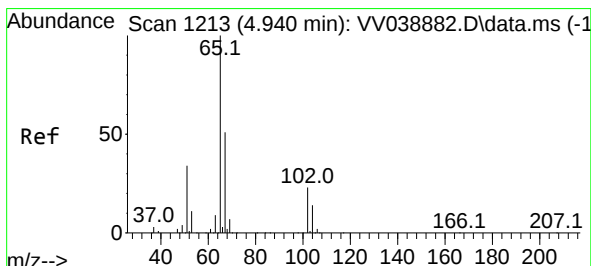
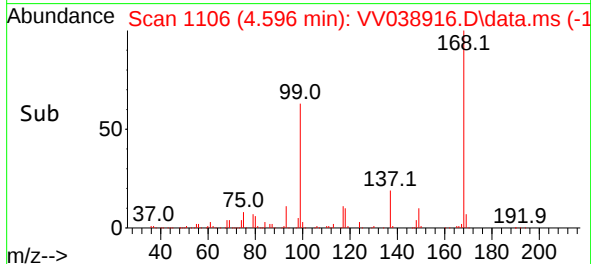
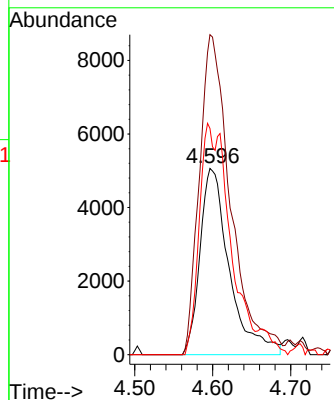
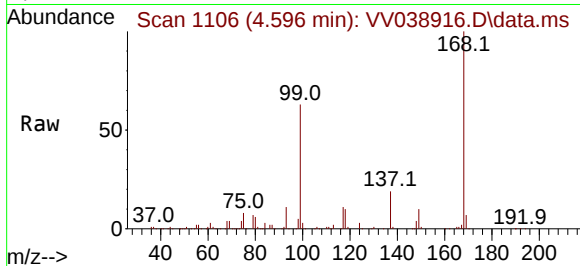




#31
Cyclohexane
Concen: 1.573 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. 0.016 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

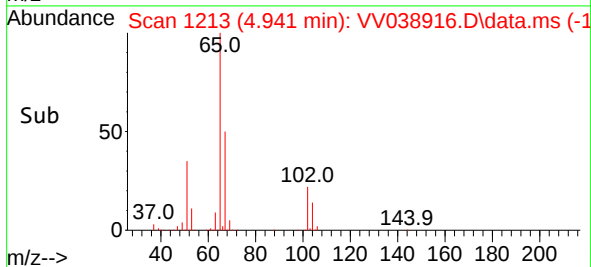
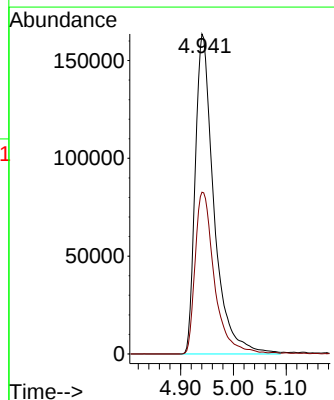
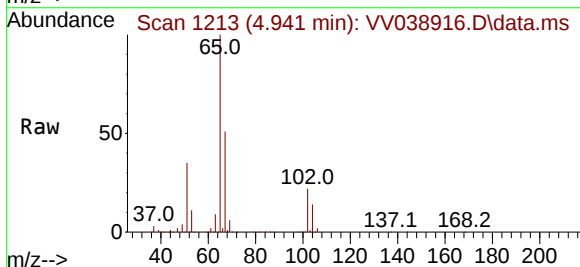
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

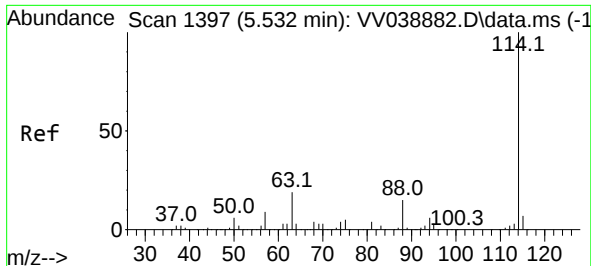
Tgt Ion: 56 Resp: 13253
Ion Ratio Lower Upper
56 100
69 171.7 28.2 42.2#
84 121.4 76.0 114.0#



#33
1,2-Dichloroethane-d4
Concen: 55.858 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 65 Resp: 401478
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038916.D

Acq: 18 Jul 2025 12:43

Instrument :

MSVOA_V

ClientSampleId :

VV0718WBL01

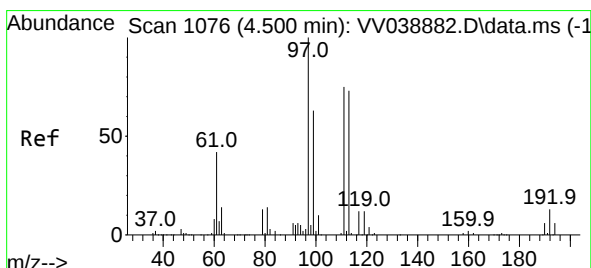
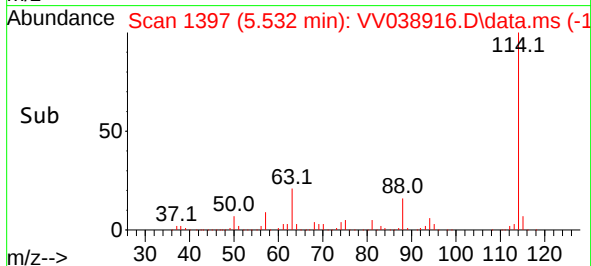
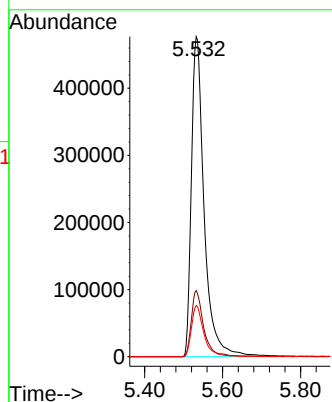
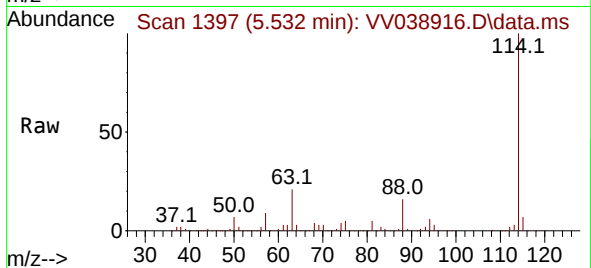
Tgt Ion:114 Resp: 1084817

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.2

88 16.0 0.0 30.8



#35

Dibromofluoromethane

Concen: 45.111 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038916.D

Acq: 18 Jul 2025 12:43

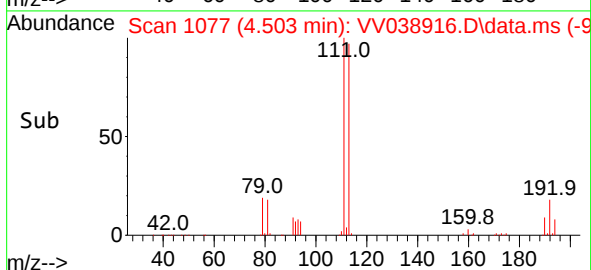
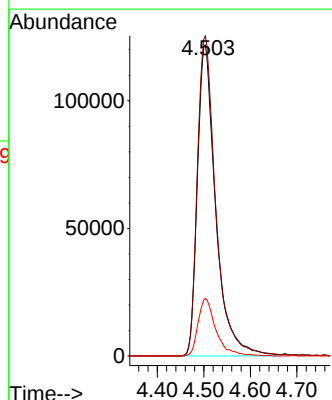
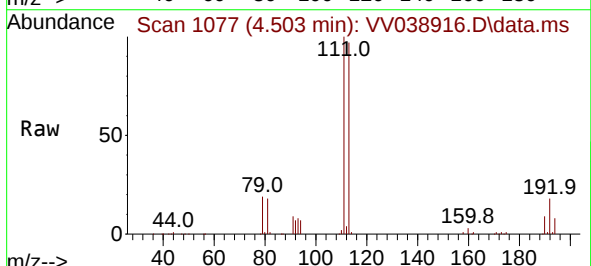
Tgt Ion:113 Resp: 333657

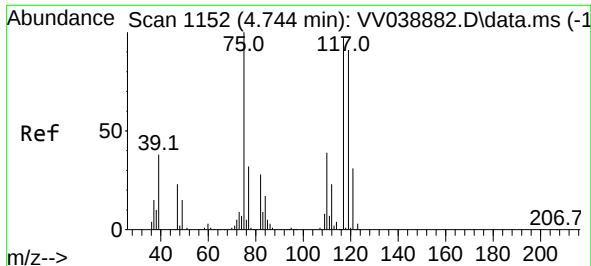
Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 5.492 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.141 min

Lab File: VV038916.D

Acq: 18 Jul 2025 12:43

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MSVOA_V

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VV0718WBL01

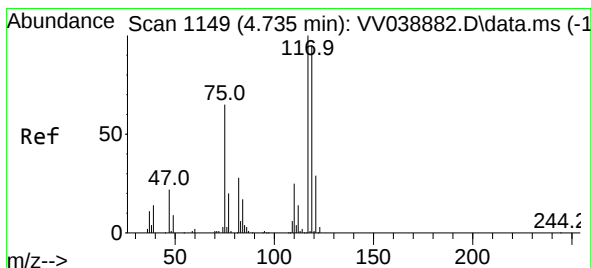
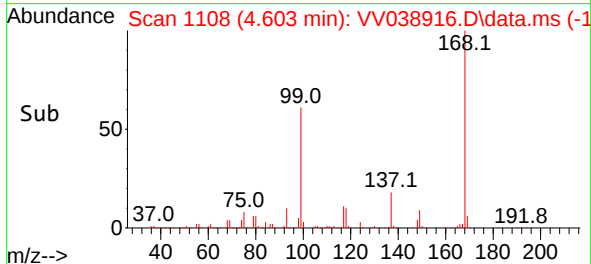
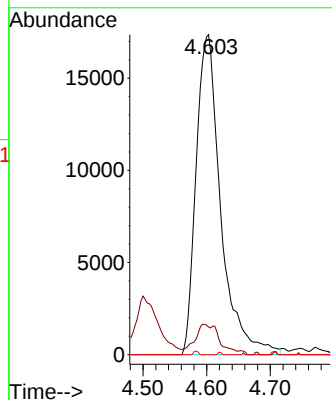
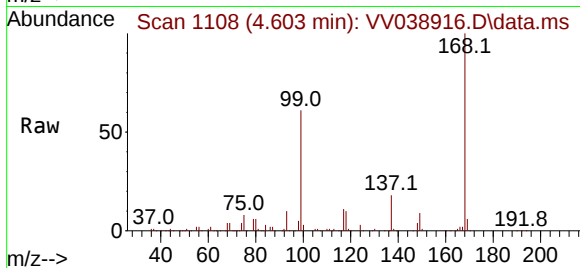
Tgt Ion: 75 Resp: 46680

Ion Ratio Lower Upper

75 100

110 4.3 18.8 56.3#

77 0.2 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.351 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.135 min

Lab File: VV038916.D

Acq: 18 Jul 2025 12:43

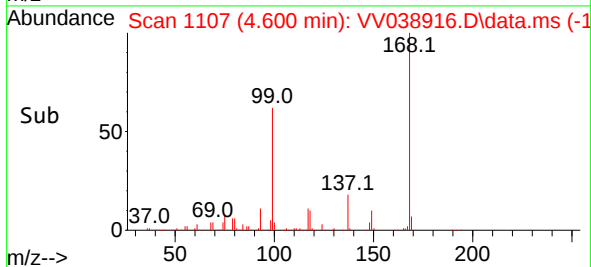
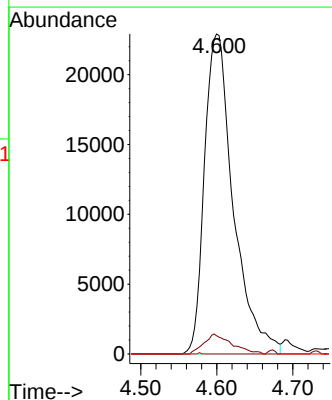
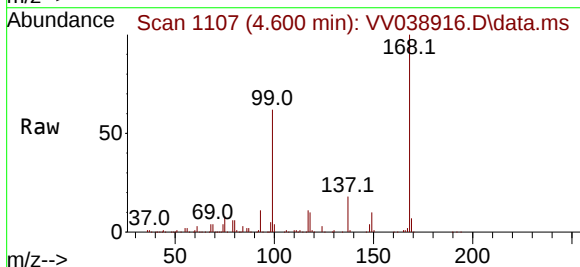
Tgt Ion: 117 Resp: 60419

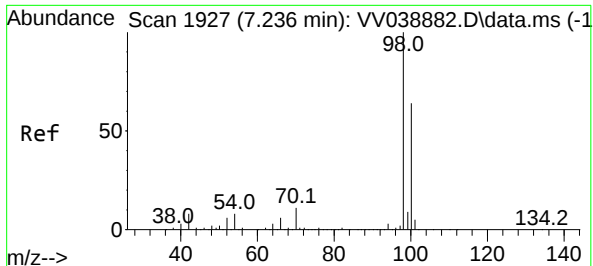
Ion Ratio Lower Upper

117 100

119 5.7 76.0 114.0#

121 0.0 23.1 34.7#

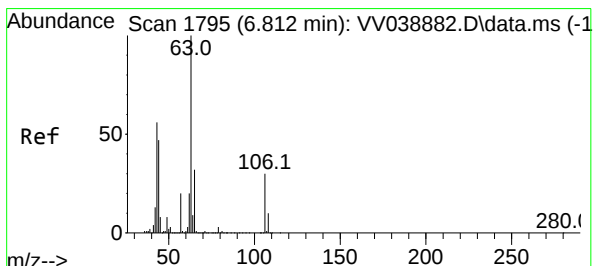
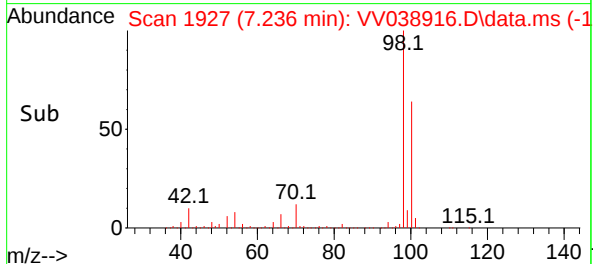
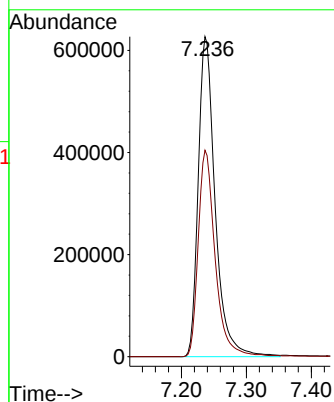
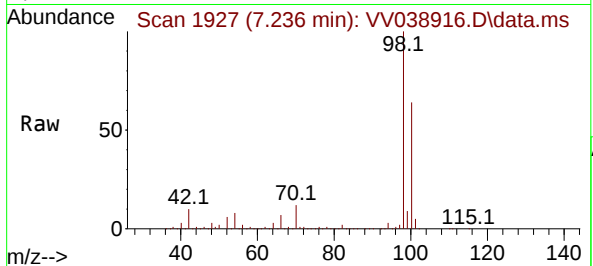




#50
Toluene-d8
Concen: 50.870 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

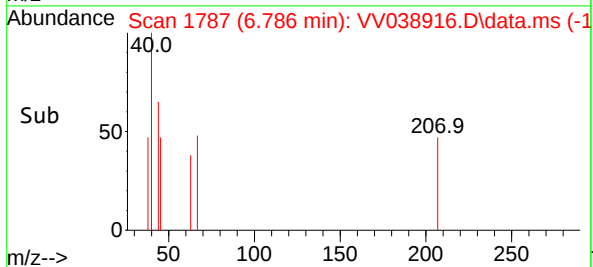
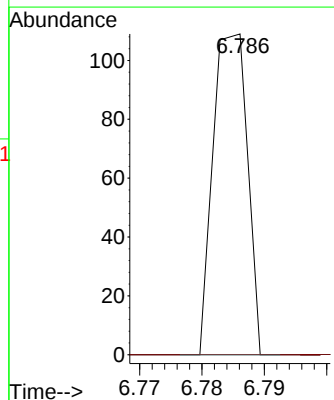
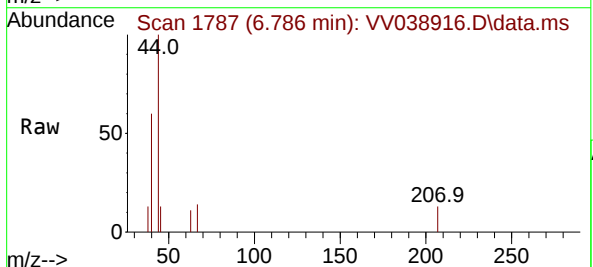
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

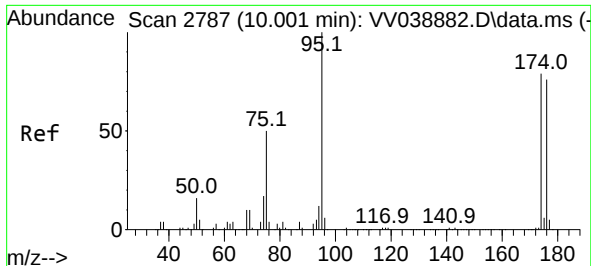
Tgt Ion: 98 Resp: 1137285
Ion Ratio Lower Upper
98 100
100 64.5 52.9 79.3



#58
2-Chloroethyl Vinyl ether
Concen: 8.598 ug/l
RT: 6.786 min Scan# 1787
Delta R.T. -0.026 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 63 Resp: 42
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#

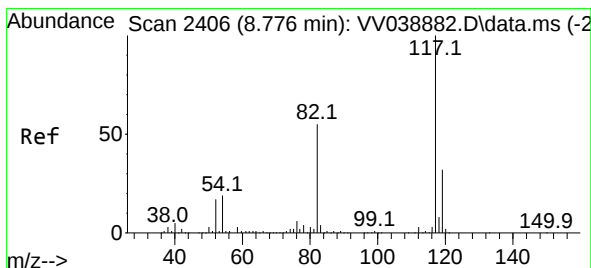
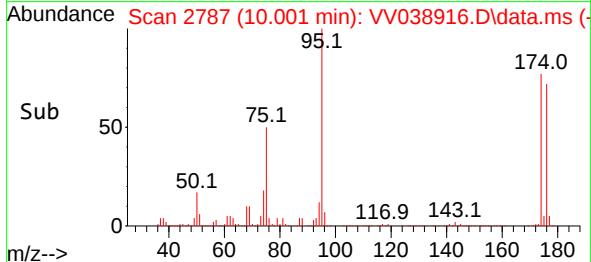
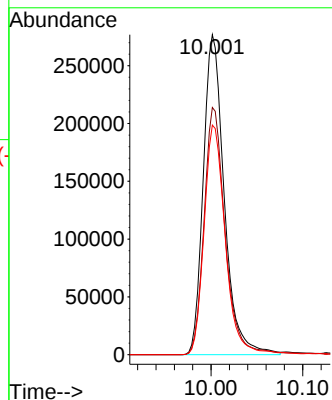
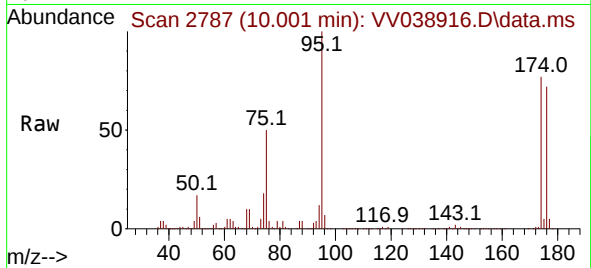




#62
4-Bromofluorobenzene
Concen: 48.739 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

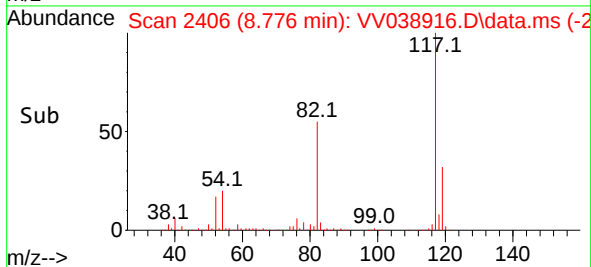
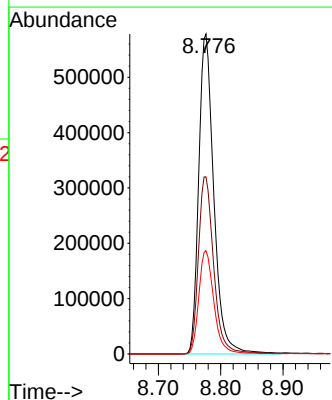
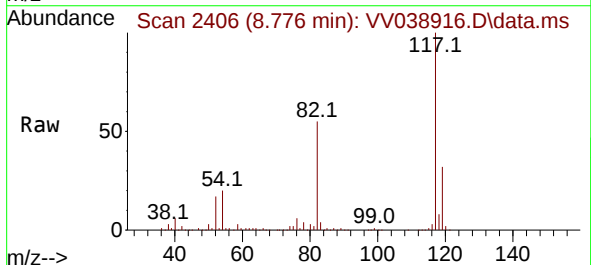
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

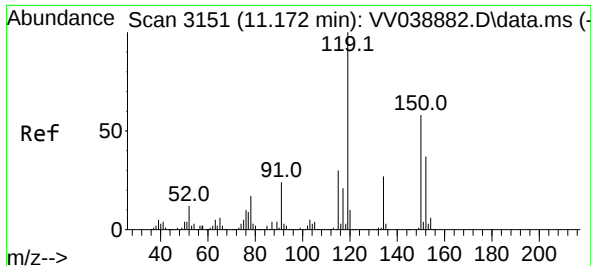
Tgt Ion: 95 Resp: 438954
Ion Ratio Lower Upper
95 100
174 78.4 0.0 160.0
176 73.1 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion: 117 Resp: 974075
Ion Ratio Lower Upper
117 100
82 55.4 43.7 65.5
119 32.3 25.4 38.0

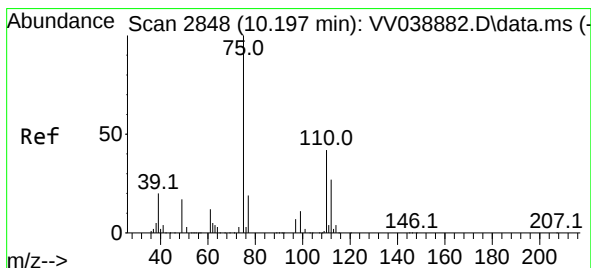
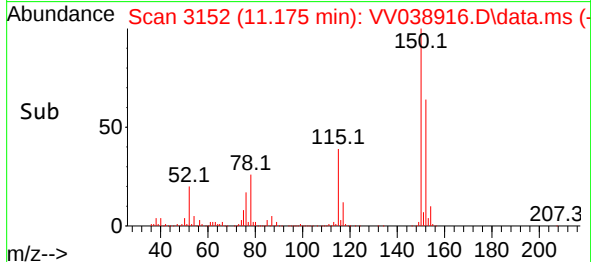
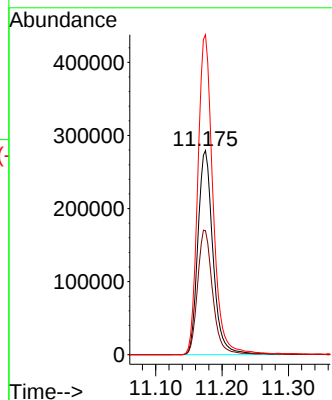
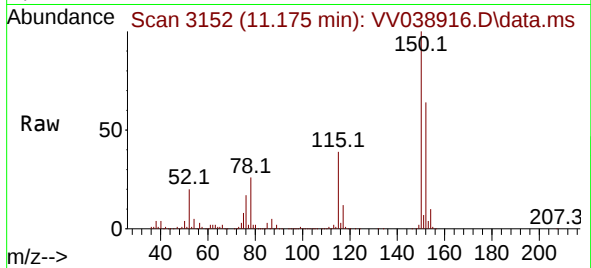




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038916.D
 Acq: 18 Jul 2025 12:43

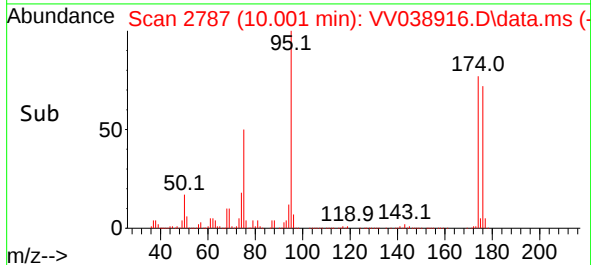
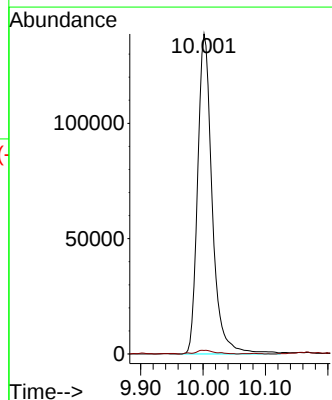
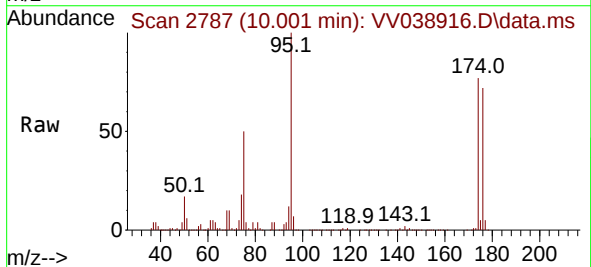
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0718WBL01

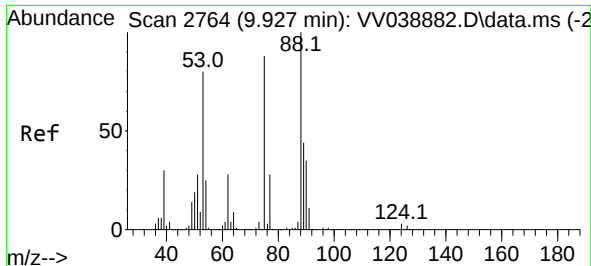
Tgt Ion:152 Resp: 442233
 Ion Ratio Lower Upper
 152 100
 115 60.9 41.8 125.4
 150 156.7 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 27.342 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038916.D
 Acq: 18 Jul 2025 12:43

Tgt Ion: 75 Resp: 224815
 Ion Ratio Lower Upper
 75 100
 77 1.4 17.4 52.3#

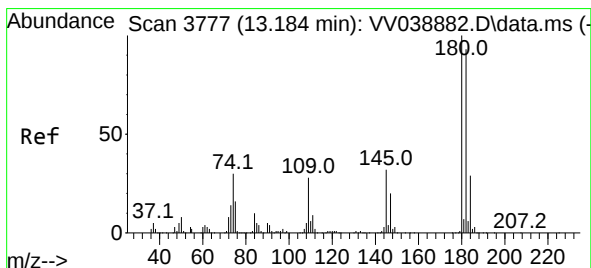
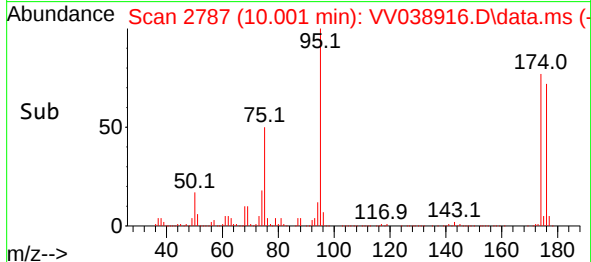
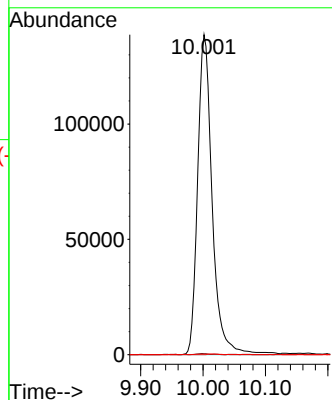
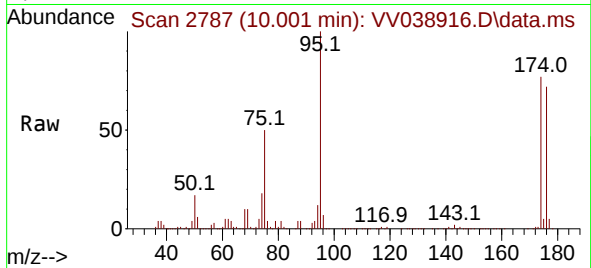




#81
trans-1,4-Dichloro-2-butene
Concen: 66.724 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL01

Tgt Ion: 75 Resp: 224815
Ion Ratio Lower Upper
75 100
53 0.3 71.3 106.9#
89 0.0 42.2 63.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.308 ug/l
RT: 13.204 min Scan# 3783
Delta R.T. 0.019 min
Lab File: VV038916.D
Acq: 18 Jul 2025 12:43

Tgt Ion:180 Resp: 2498
Ion Ratio Lower Upper
180 100
182 93.8 47.4 142.3
145 33.3 16.2 48.6

