

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071825\
 Data File : VV038917.D
 Acq On : 18 Jul 2025 13:07
 Operator : SY/MD
 Sample : VV0718WBL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0718WBL02

Quant Time: Jul 19 00:41:22 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)

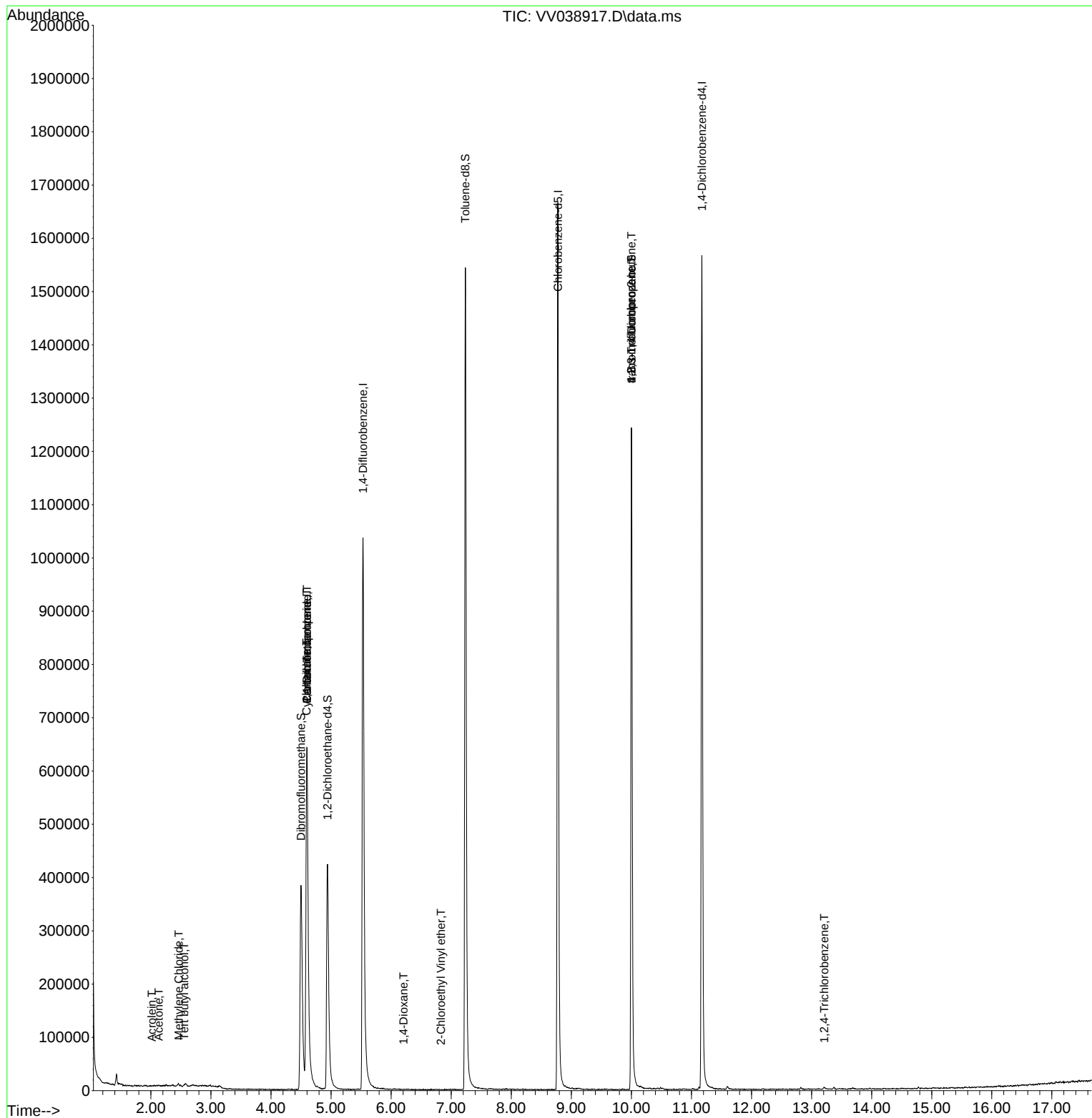
Internal Standards						
1) Pentafluorobenzene	4.600	168	554090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1024215	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	938322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	422105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	384952	56.861	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.720%			
35) Dibromofluoromethane	4.500	113	318409	45.597	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 91.200%			
50) Toluene-d8	7.236	98	1103920	52.299	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 104.600%			
62) 4-Bromofluorobenzene	10.001	95	418616	49.231	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 98.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.513	94	959	Below Cal	#	57
11) Tert butyl alcohol	2.555	59	312	0.200	ug/l #	92
13) Acrolein	2.014	56	221	0.980	ug/l #	14
16) Acetone	2.130	43	938	0.320	ug/l #	52
17) Carbon Disulfide	2.252	76	3648	Below Cal	#	85
20) Methylene Chloride	2.465	84	1633	0.220	ug/l #	77
31) Cyclohexane	4.593	56	11233	1.415	ug/l #	13
36) 1,1-Dichloropropene	4.596	75	43373	5.404	ug/l #	44
38) Carbon Tetrachloride	4.600	117	58920	5.527	ug/l #	18
49) 1,4-Dioxane	6.207	88	132	0.945	ug/l #	11
58) 2-Chloroethyl Vinyl ether	6.831	63	21	8.595	ug/l #	45
76) 1,2,3-Trichloropropane	10.001	75	204896	26.108	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.001	75	204896	63.712	ug/l #	13
93) 1,2,4-Trichlorobenzene	13.210	180	1611	0.208	ug/l	97

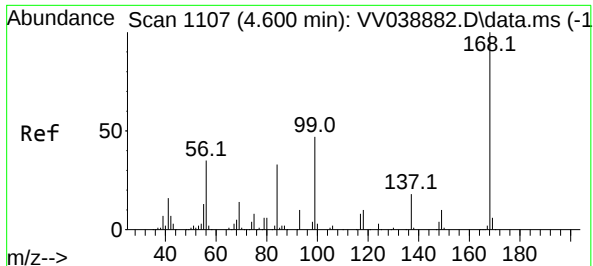
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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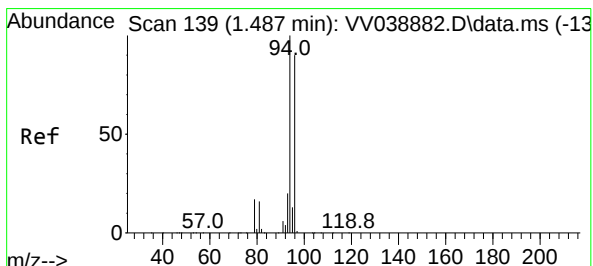
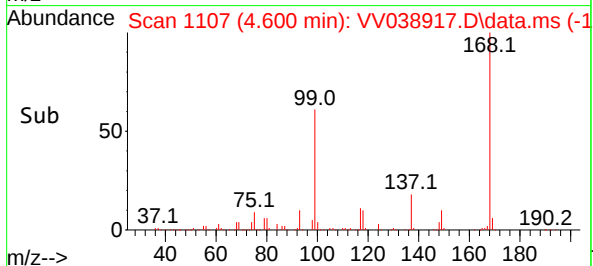
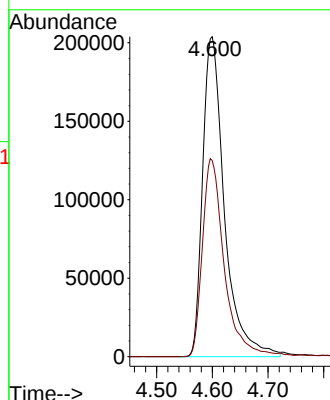
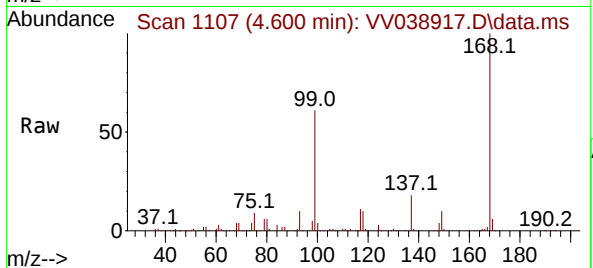




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

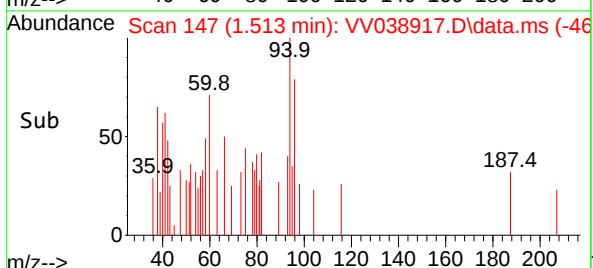
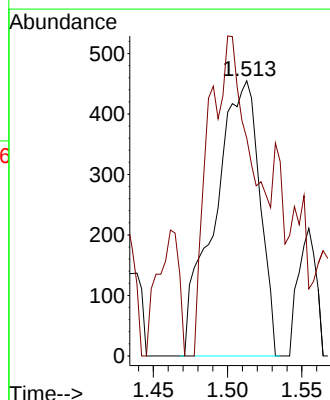
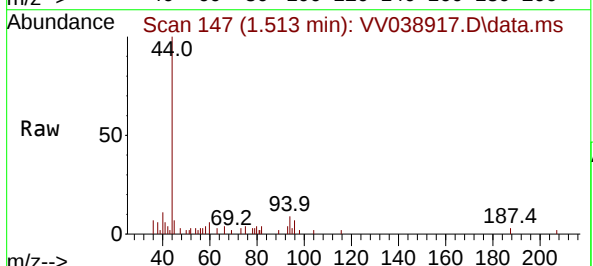
Instrument :
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VV0718WBL02

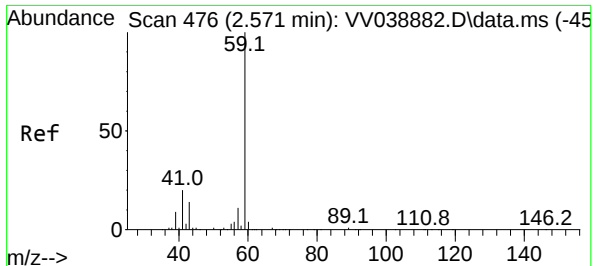
Tgt Ion:168 Resp: 554090
Ion Ratio Lower Upper
168 100
99 61.3 48.6 73.0



#5
Bromomethane
Concen: Below Cal
RT: 1.513 min Scan# 147
Delta R.T. 0.026 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion: 94 Resp: 959
Ion Ratio Lower Upper
94 100
96 49.7 71.9 107.9#

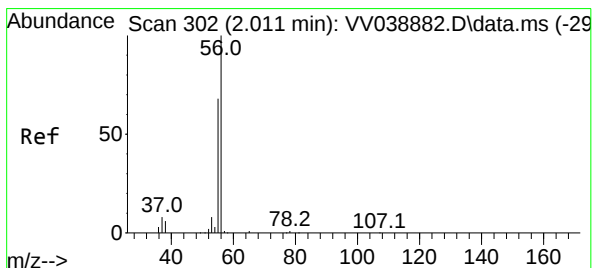
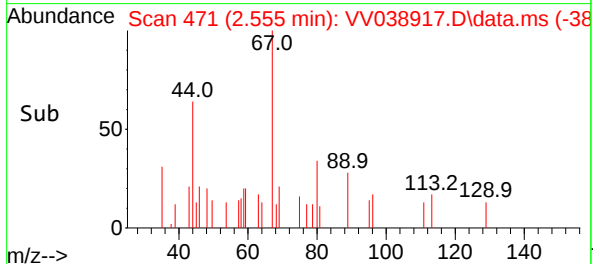
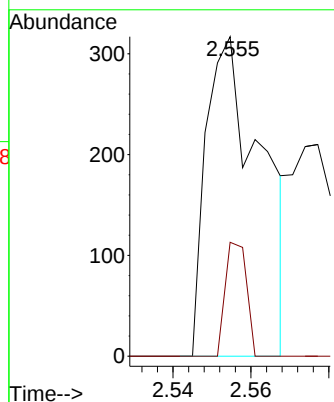
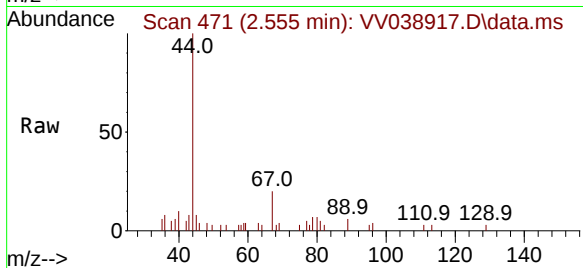




#11
Tert butyl alcohol
Concen: 0.200 ug/l
RT: 2.555 min Scan# 41
Delta R.T. -0.016 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

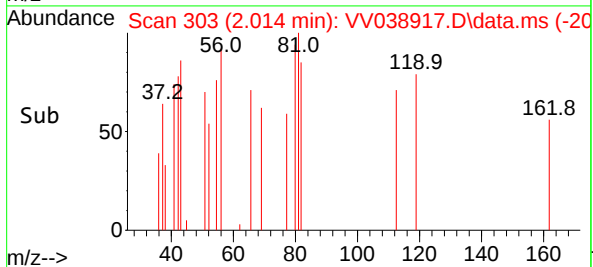
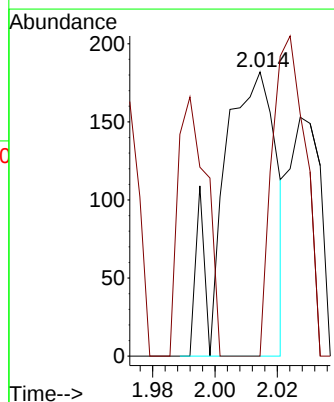
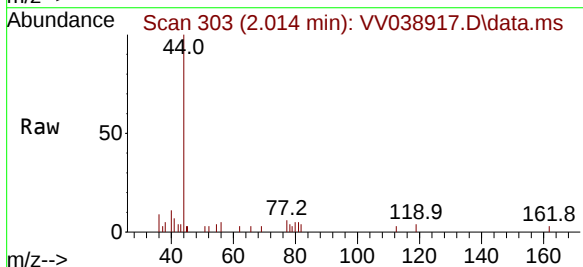
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL02

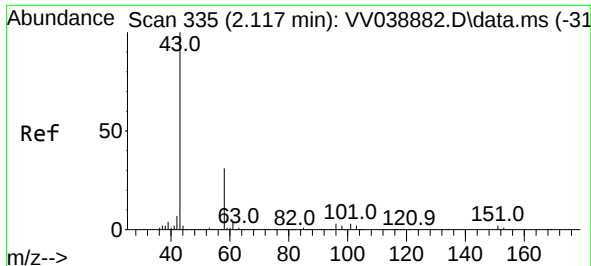
Tgt Ion: 59 Resp: 312
Ion Ratio Lower Upper
59 100
57 13.8 8.6 12.8#



#13
Acrolein
Concen: 0.980 ug/l
RT: 2.014 min Scan# 303
Delta R.T. 0.003 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 0.0 56.7 85.1#

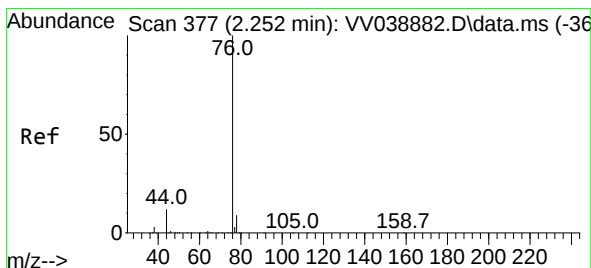
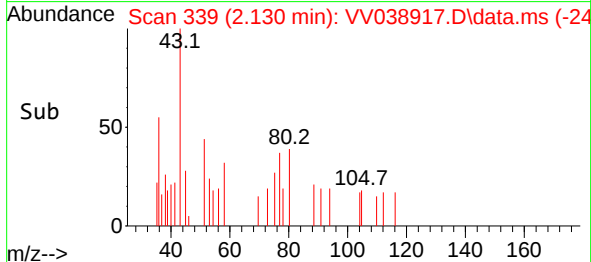
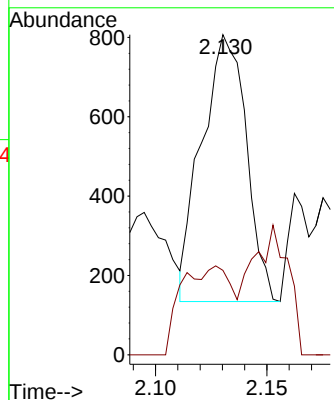
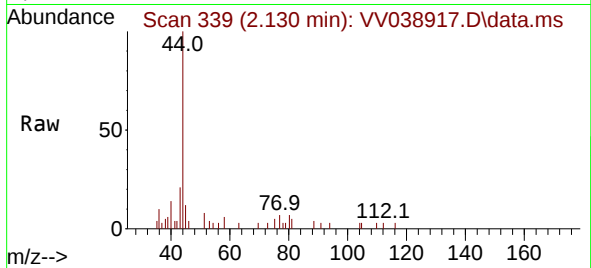




#16
Acetone
Concen: 0.320 ug/l
RT: 2.130 min Scan# 311
Delta R.T. 0.013 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

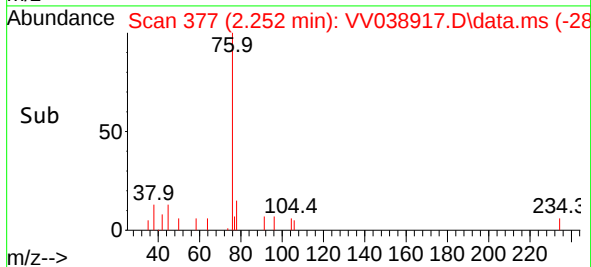
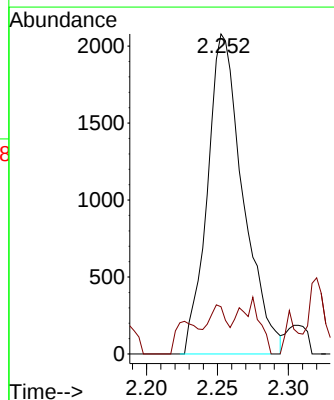
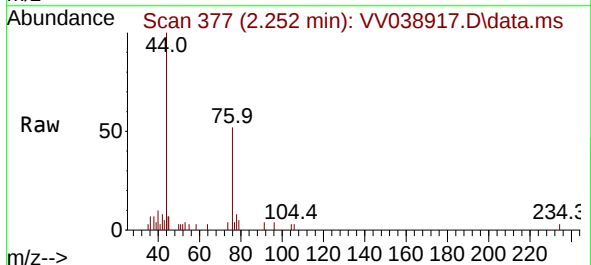
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL02

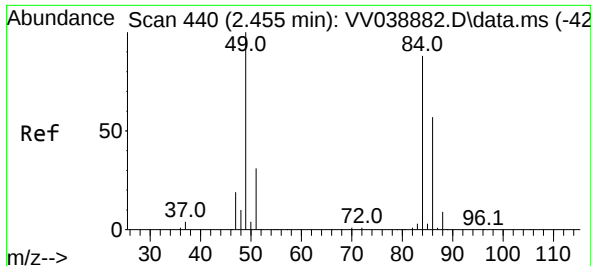
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 5.5 25.8 38.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.252 min Scan# 377
Delta R.T. 0.000 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion: 76 Resp: 3648
Ion Ratio Lower Upper
76 100
78 14.8 7.4 11.2#

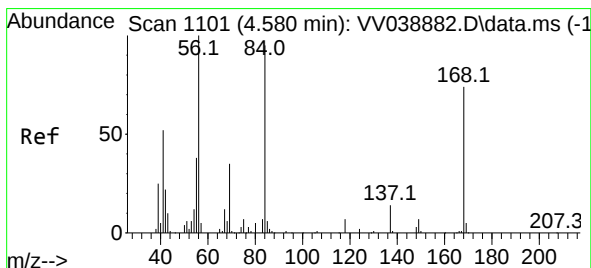
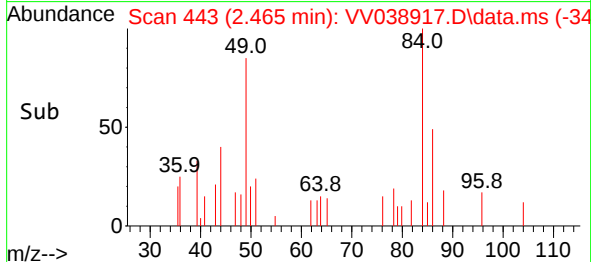
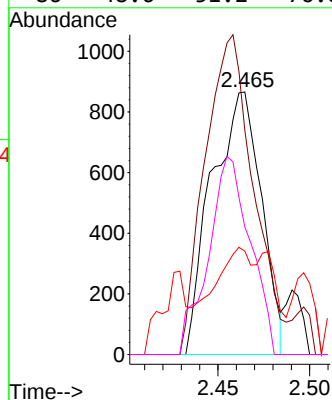
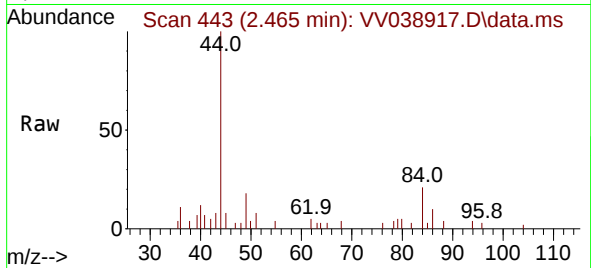




#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 2.465 min Scan# 440
Delta R.T. 0.010 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

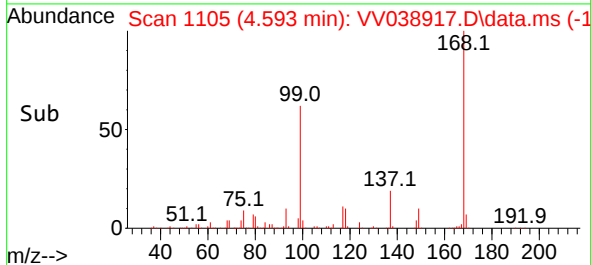
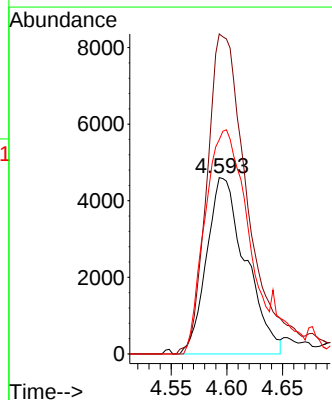
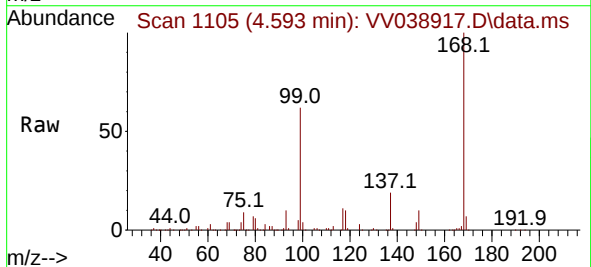
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL02

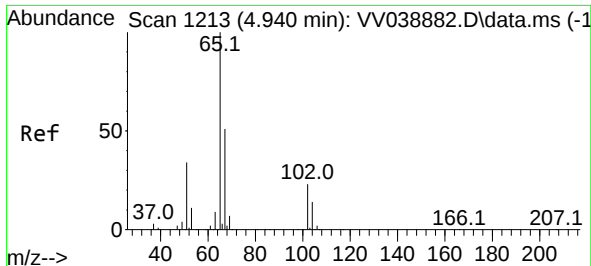
Tgt Ion:	84	Resp:	1633
Ion	Ratio	Lower	Upper
84	100		
49	85.5	90.5	135.7#
51	22.5	27.8	41.6#
86	48.6	51.2	76.8#



#31
Cyclohexane
Concen: 1.415 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion:	56	Resp:	11233
Ion	Ratio	Lower	Upper
56	100		
69	178.7	28.2	42.2#
84	121.4	76.0	114.0#





#33

1,2-Dichloroethane-d4

Concen: 56.861 ug/l

RT: 4.940 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV038917.D

Acq: 18 Jul 2025 13:07

Instrument :

MSVOA_V

ClientSampleId :

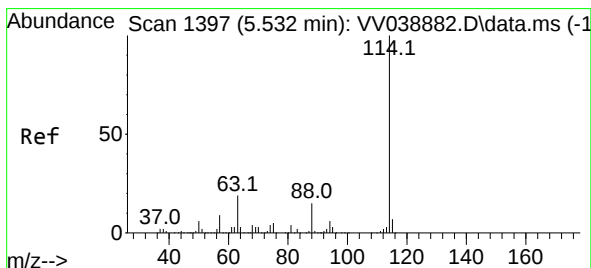
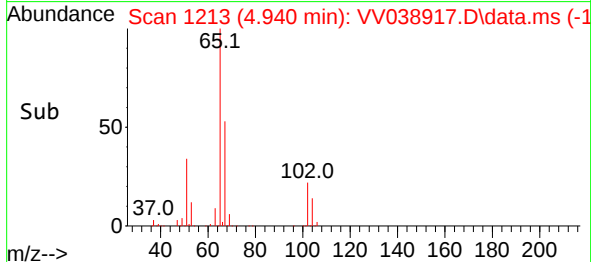
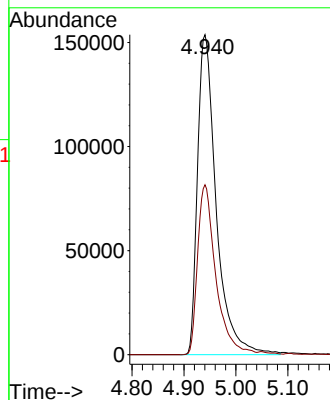
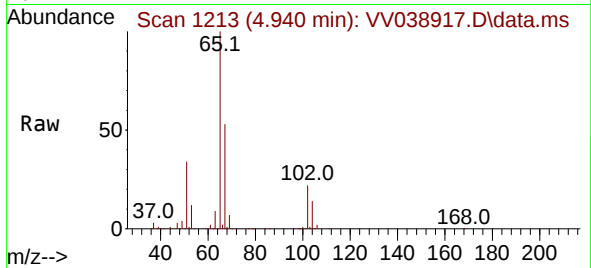
VV0718WBL02

Tgt Ion: 65 Resp: 384952

Ion Ratio Lower Upper

65 100

67 51.7 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV038917.D

Acq: 18 Jul 2025 13:07

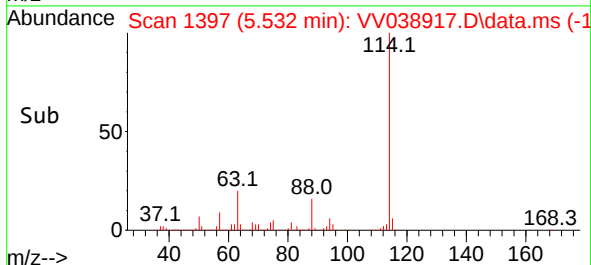
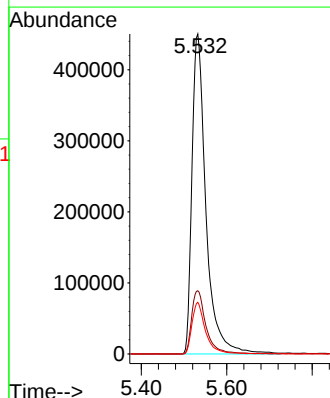
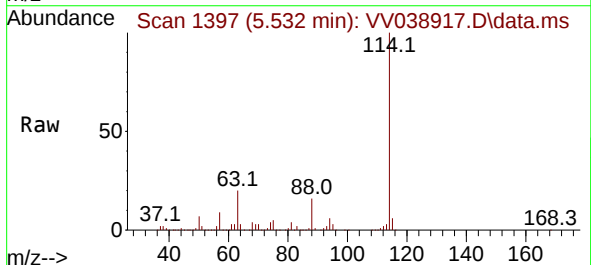
Tgt Ion: 114 Resp: 1024215

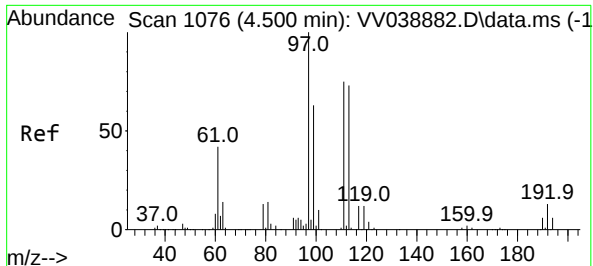
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.2

88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 45.597 ug/l

RT: 4.500 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VV038917.D

Acq: 18 Jul 2025 13:07

Instrument :

MSVOA_V

ClientSampleId :

VV0718WBL02

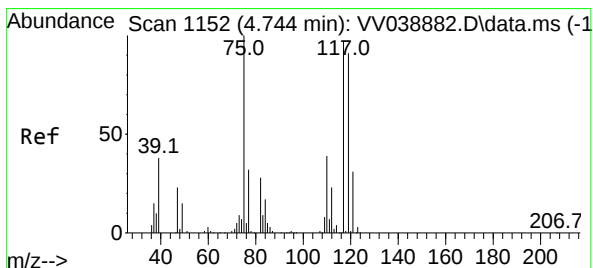
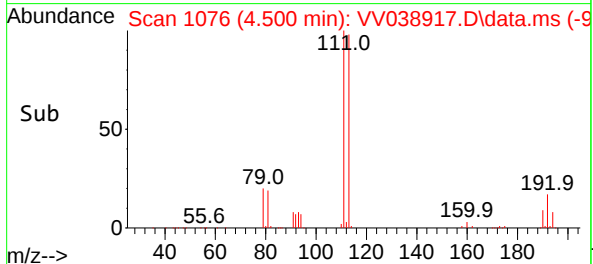
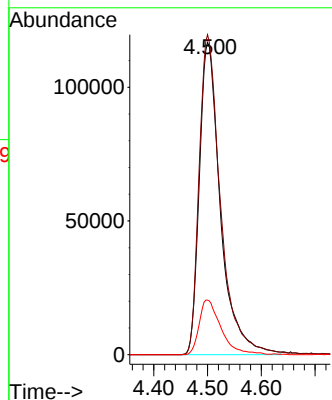
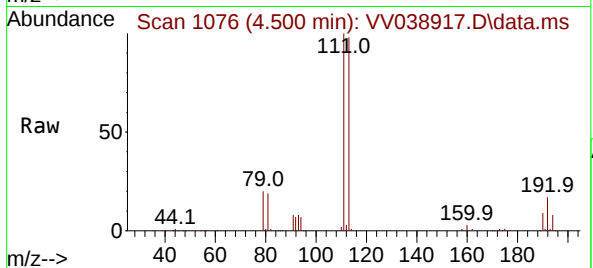
Tgt Ion:113 Resp: 318409

Ion Ratio Lower Upper

113 100

111 104.0 83.3 124.9

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 5.404 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.148 min

Lab File: VV038917.D

Acq: 18 Jul 2025 13:07

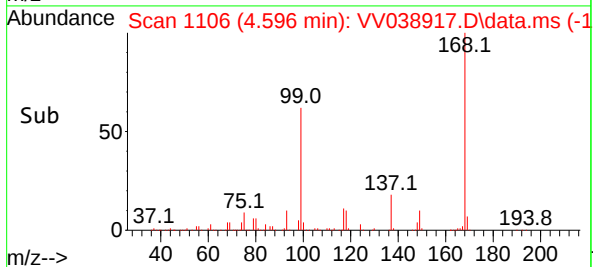
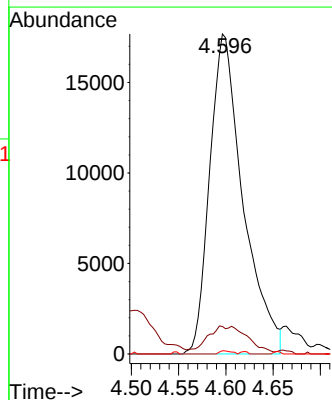
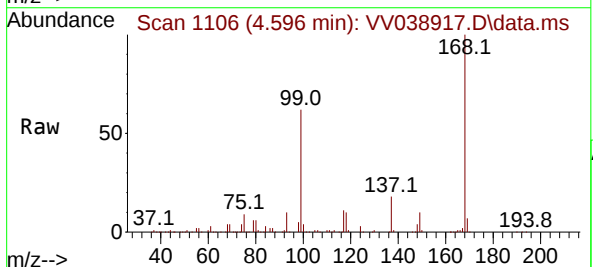
Tgt Ion: 75 Resp: 43373

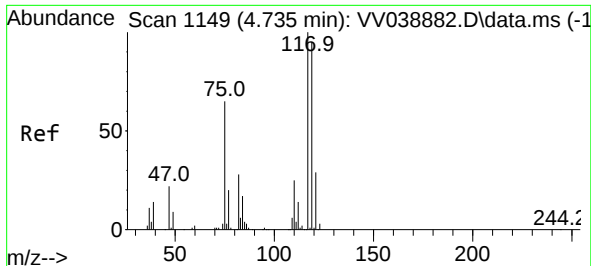
Ion Ratio Lower Upper

75 100

110 3.6 18.8 56.3#

77 0.4 24.2 36.4#

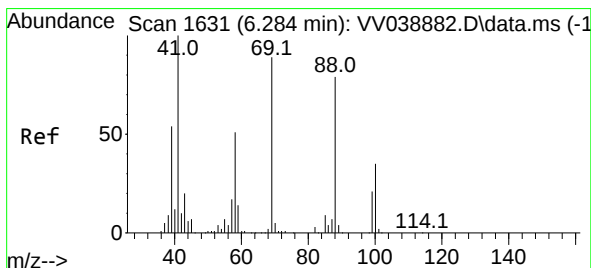
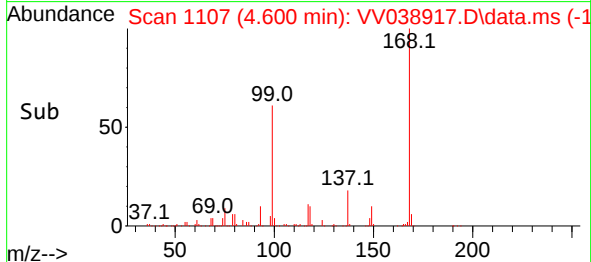
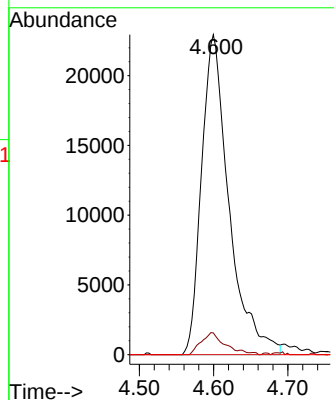
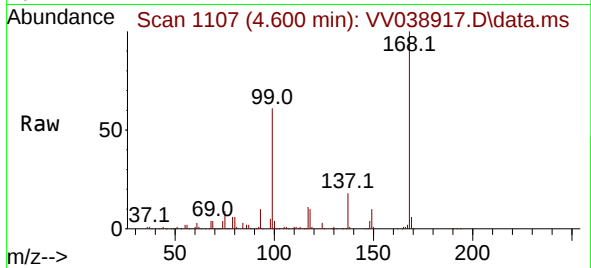




#38
Carbon Tetrachloride
Concen: 5.527 ug/l
RT: 4.600 min Scan# 1149
Delta R.T. -0.135 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

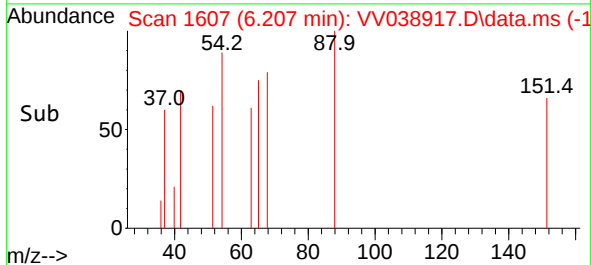
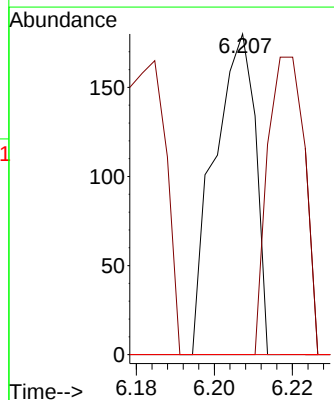
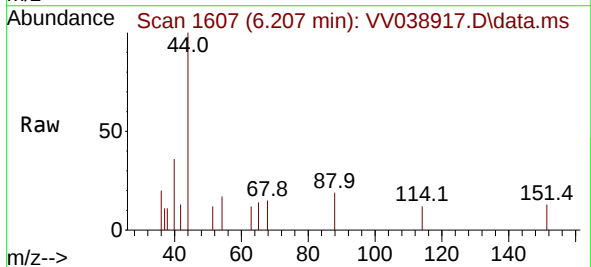
Instrument :
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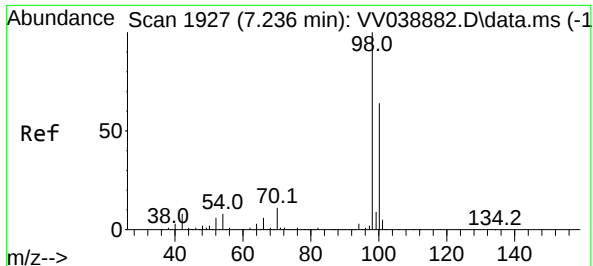
Tgt Ion:117 Resp: 58920
Ion Ratio Lower Upper
117 100
119 6.8 76.0 114.0#
121 0.0 23.1 34.7#



#49
1,4-Dioxane
Concen: 0.945 ug/l
RT: 6.207 min Scan# 1607
Delta R.T. -0.077 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion: 88 Resp: 132
Ion Ratio Lower Upper
88 100
43 83.3 23.0 34.4#
58 0.0 53.8 80.6#





#50

Toluene-d8

Concen: 52.299 ug/l

RT: 7.236 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038917.D

Acq: 18 Jul 2025 13:07

Instrument :

MSVOA_V

ClientSampleId :

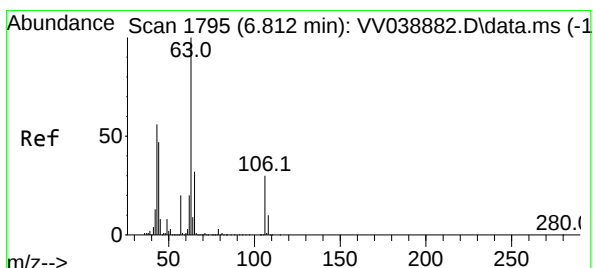
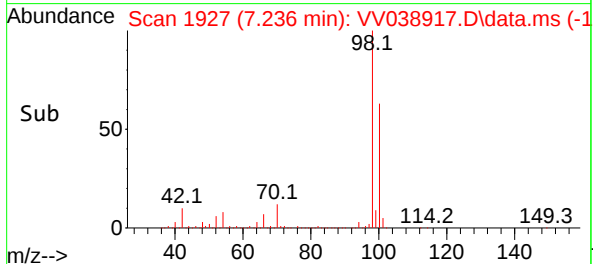
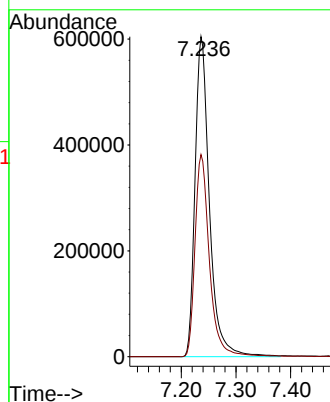
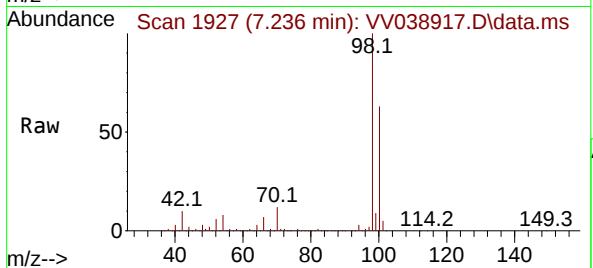
VV0718WBL02

Tgt Ion: 98 Resp: 1103920

Ion Ratio Lower Upper

98 100

100 63.5 52.9 79.3



#58

2-Chloroethyl Vinyl ether

Concen: 8.595 ug/l

RT: 6.831 min Scan# 1801

Delta R.T. 0.019 min

Lab File: VV038917.D

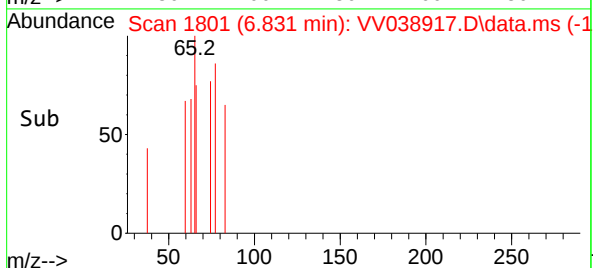
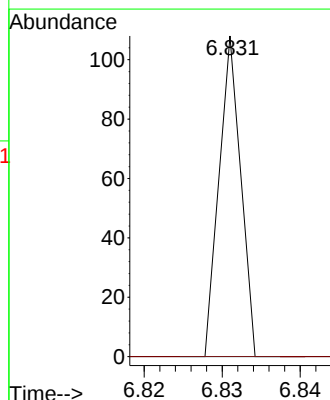
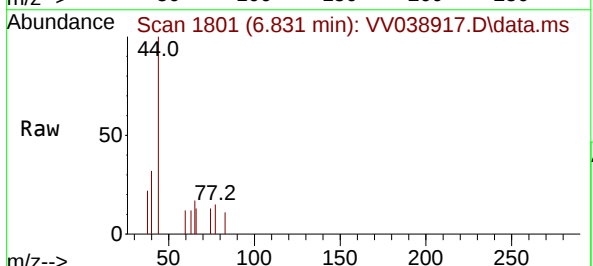
Acq: 18 Jul 2025 13:07

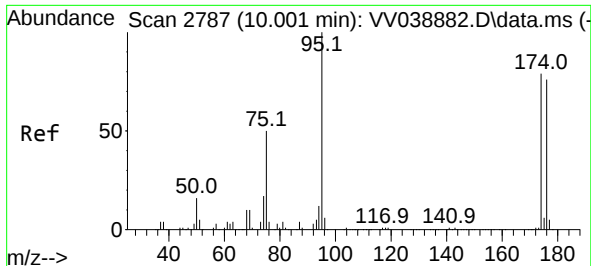
Tgt Ion: 63 Resp: 21

Ion Ratio Lower Upper

63 100

106 0.0 24.1 36.1#

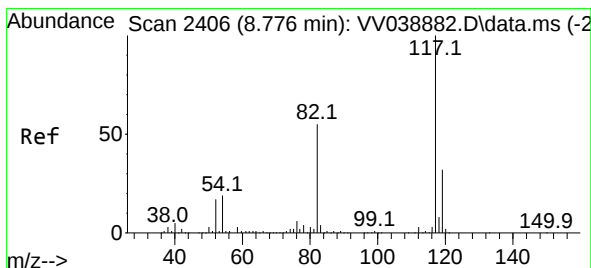
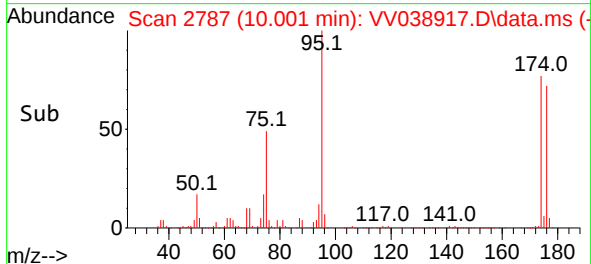
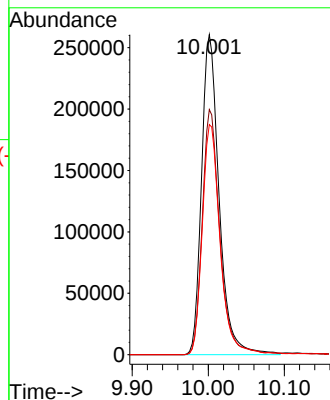
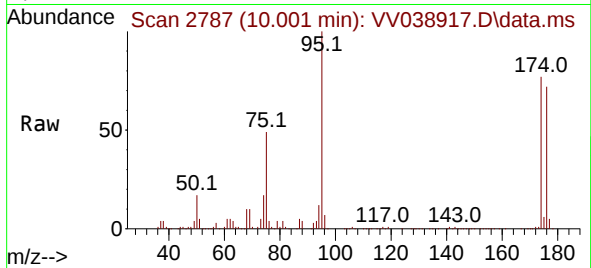




#62
4-Bromofluorobenzene
Concen: 49.231 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

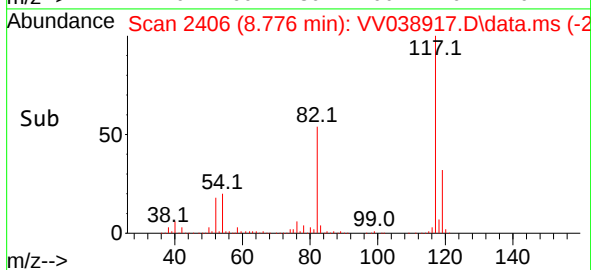
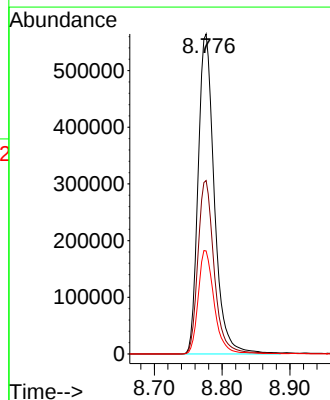
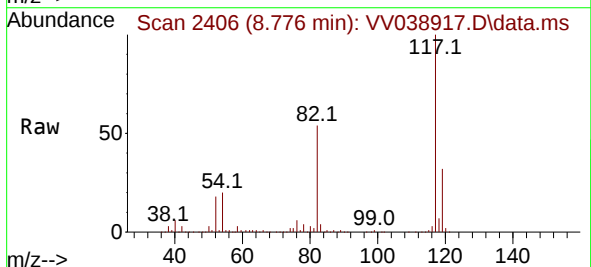
Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL02

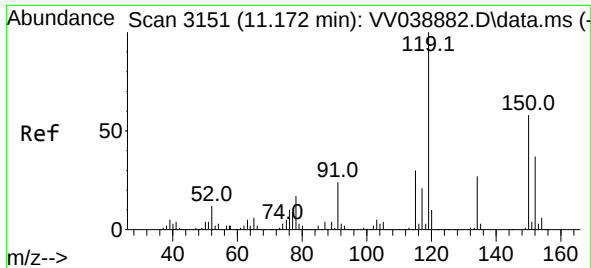
Tgt Ion: 95 Resp: 418616
Ion Ratio Lower Upper
95 100
174 76.3 0.0 160.0
176 73.4 0.0 152.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. -0.000 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion: 117 Resp: 938322
Ion Ratio Lower Upper
117 100
82 54.2 43.7 65.5
119 32.2 25.4 38.0

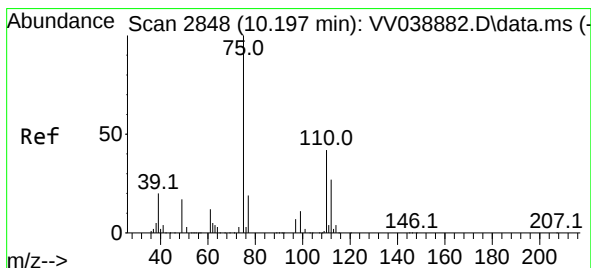
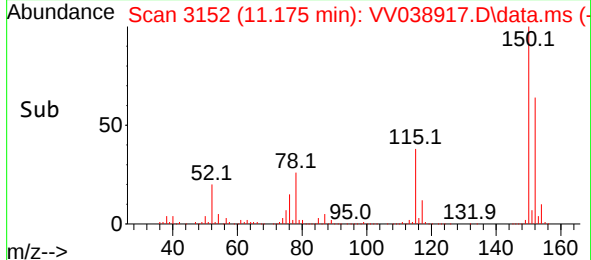
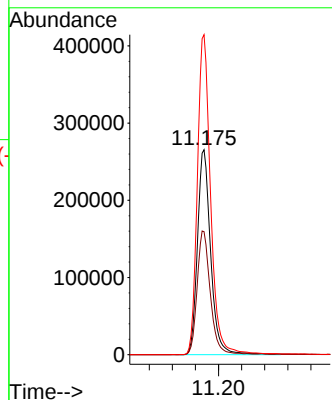
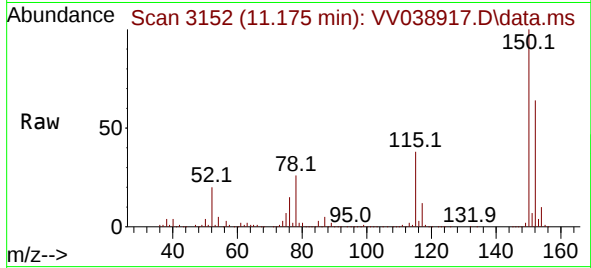




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV038917.D
 Acq: 18 Jul 2025 13:07

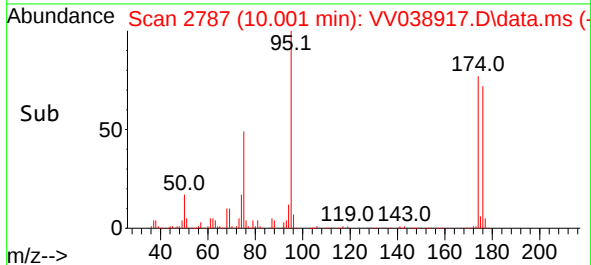
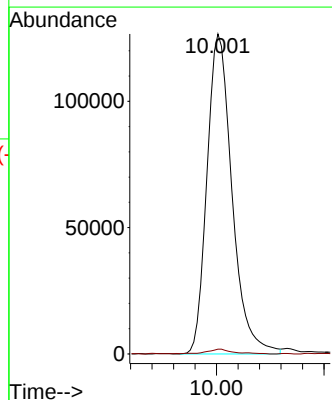
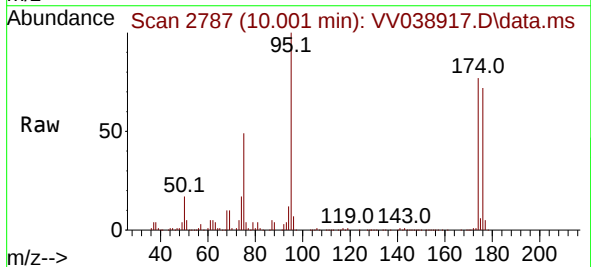
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0718WBL02

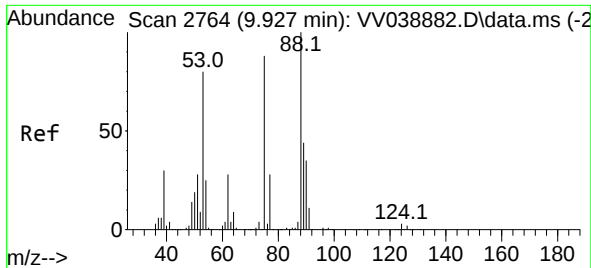
Tgt Ion:152 Resp: 422105
 Ion Ratio Lower Upper
 152 100
 115 60.2 41.8 125.4
 150 156.1 0.0 342.4



#76
 1,2,3-Trichloropropane
 Concen: 26.108 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.196 min
 Lab File: VV038917.D
 Acq: 18 Jul 2025 13:07

Tgt Ion: 75 Resp: 204896
 Ion Ratio Lower Upper
 75 100
 77 1.2 17.4 52.3#

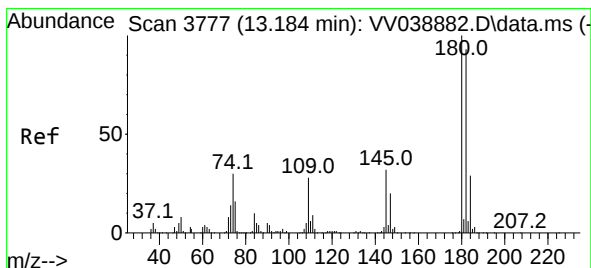
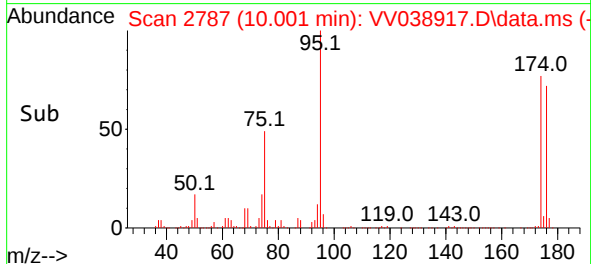
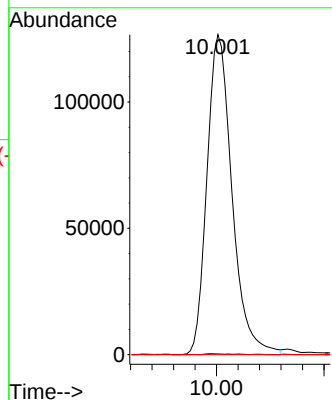
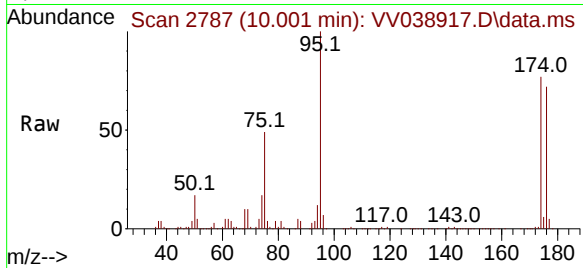




#81
trans-1,4-Dichloro-2-butene
Concen: 63.712 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Instrument :
MSVOA_V
ClientSampleId :
VV0718WBL02

Tgt Ion: 75 Resp: 204896
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.0 42.2 63.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.208 ug/l
RT: 13.210 min Scan# 3785
Delta R.T. 0.026 min
Lab File: VV038917.D
Acq: 18 Jul 2025 13:07

Tgt Ion:180 Resp: 1611
Ion Ratio Lower Upper
180 100
182 94.2 47.4 142.3
145 26.8 16.2 48.6

