

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039199.D
 Acq On : 26 Sep 2025 10:00
 Operator : SY/MD
 Sample : VV0926MBL01
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0926MBL01

Quant Time: Sep 27 02:49:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

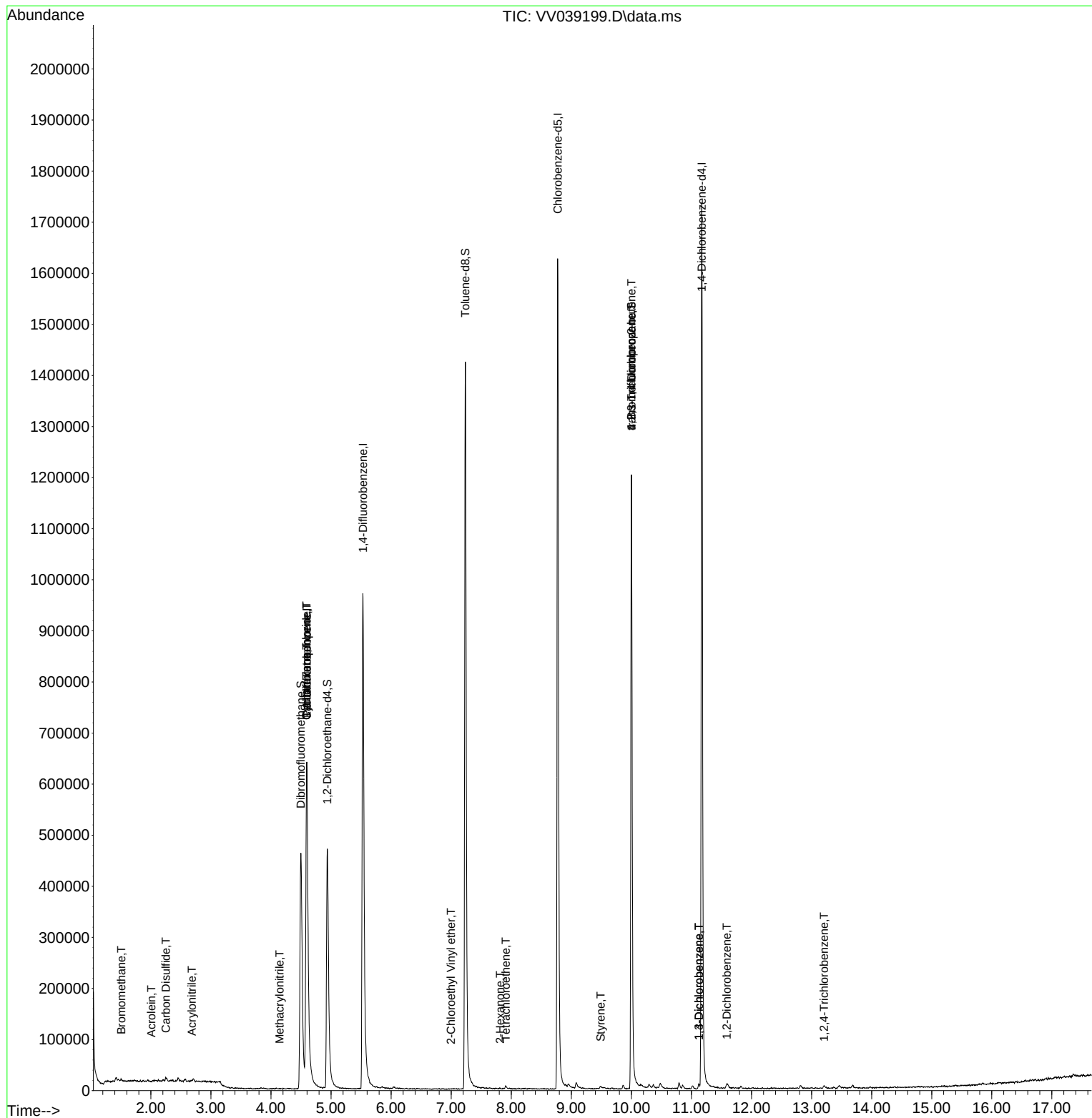
Internal Standards						
1) Pentafluorobenzene	4.596	168	545248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	960075	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	938706	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	463545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	423576	53.676	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 107.360%			
35) Dibromofluoromethane	4.497	113	390719	50.623	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.240%			
50) Toluene-d8	7.236	98	1049117	46.281	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.560%			
62) 4-Bromofluorobenzene	10.001	95	406277	43.536	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.080%			
Target Compounds						Qvalue
5) Bromomethane	1.507	94	1805	0.289	ug/l	98
6) Chloroethane	1.552	64	227	Below Cal	#	44
13) Acrolein	2.008	56	356	1.230	ug/l	89
15) Acrylonitrile	2.683	53	1702	0.318	ug/l #	86
16) Acetone	2.130	43	1381	Below Cal	#	65
17) Carbon Disulfide	2.249	76	8334	0.331	ug/l #	74
20) Methylene Chloride	2.458	84	2891	Below Cal	#	83
31) Cyclohexane	4.593	56	12485	0.887	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	46742	4.006	ug/l #	41
38) Carbon Tetrachloride	4.593	117	59711	4.187	ug/l #	16
41) Methacrylonitrile	4.143	41	82	1.923	ug/l #	1
58) 2-Chloroethyl Vinyl ether	6.998	63	82	9.635	ug/l	94
59) 2-Hexanone	7.815	43	128	2.338	ug/l	87
64) Tetrachloroethene	7.908	164	1622	0.206	ug/l #	60
70) Styrene	9.487	104	55	1.563	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	203984	19.327	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	203984	46.399	ug/l #	13
87) 1,3-Dichlorobenzene	11.127	146	4015	0.227	ug/l	97
88) 1,4-Dichlorobenzene	11.127	146	4015	0.207	ug/l	96
91) 1,2-Dichlorobenzene	11.586	146	3745	0.227	ug/l	67
92) 1,2-Dibromo-3-Chloropr...	12.381	75	205	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	13.207	180	1926	0.204	ug/l	69

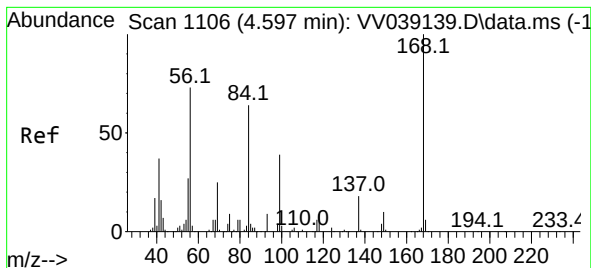
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 27 02:49:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.001 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

Instrument :

MSVOA_V

ClientSampleId :

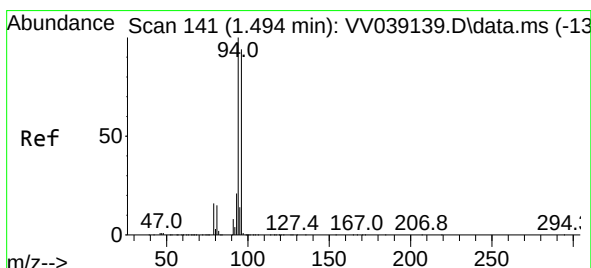
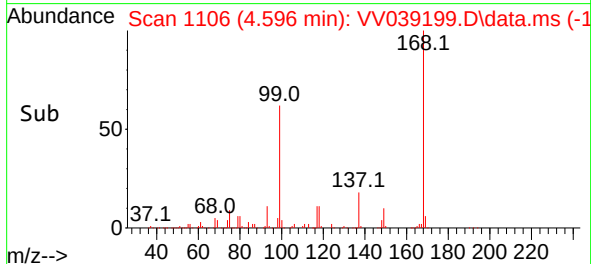
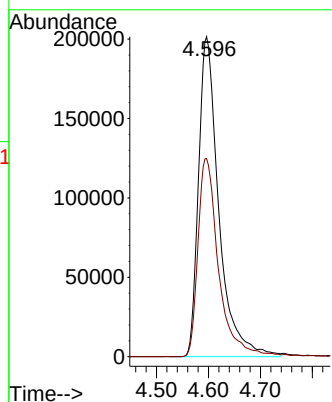
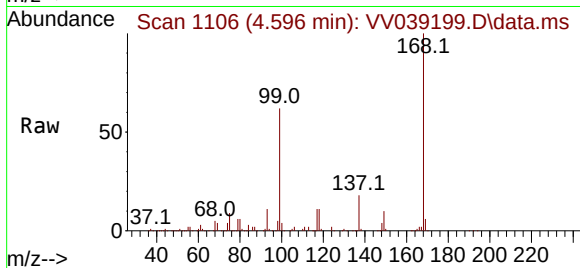
VV0926MBL01

Tgt Ion:168 Resp: 545248

Ion Ratio Lower Upper

168 100

99 61.9 49.6 74.4



#5

Bromomethane

Concen: 0.289 ug/l

RT: 1.507 min Scan# 145

Delta R.T. 0.013 min

Lab File: VV039199.D

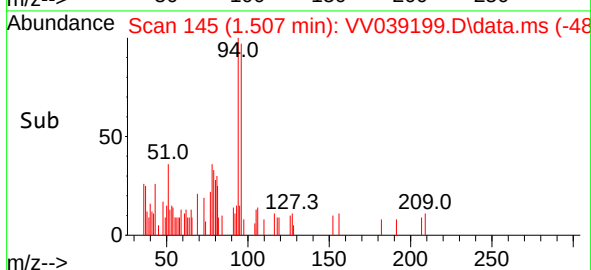
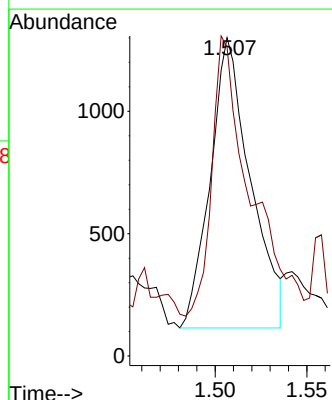
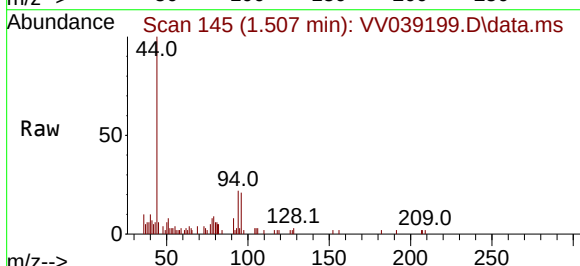
Acq: 26 Sep 2025 10:00

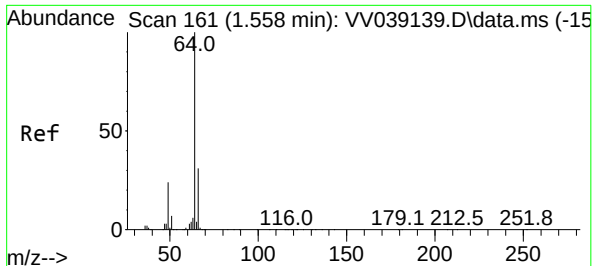
Tgt Ion: 94 Resp: 1805

Ion Ratio Lower Upper

94 100

96 92.0 74.9 112.3

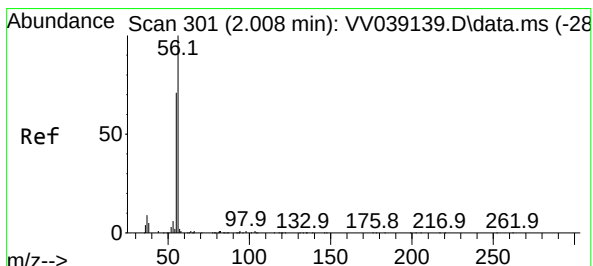
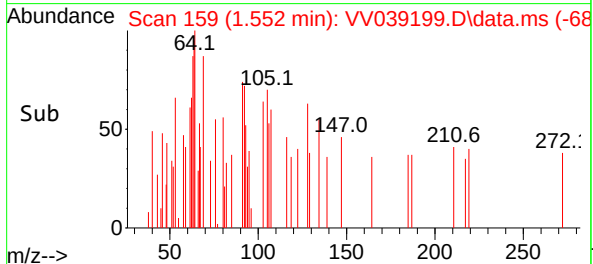
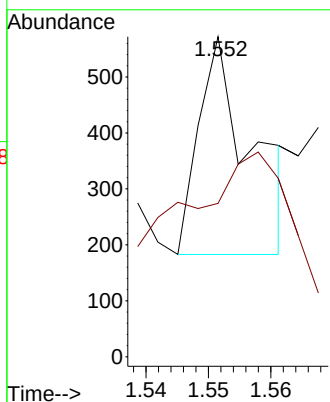
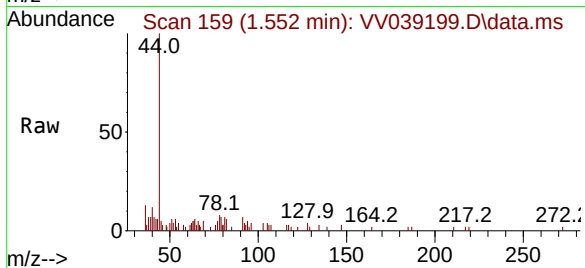




#6
Chloroethane
Concen: Below Cal
RT: 1.552 min Scan# 11
Delta R.T. -0.006 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

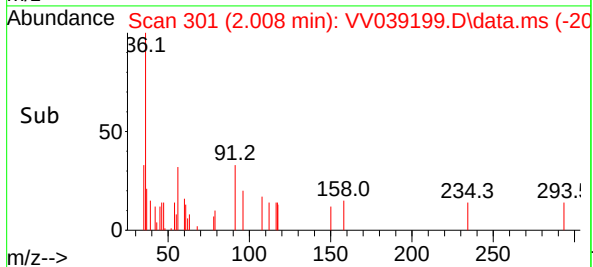
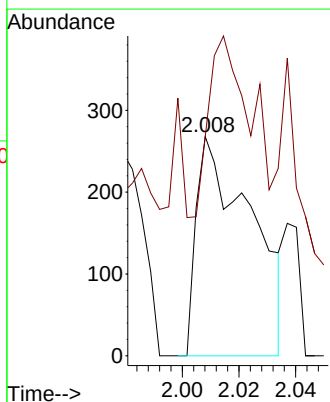
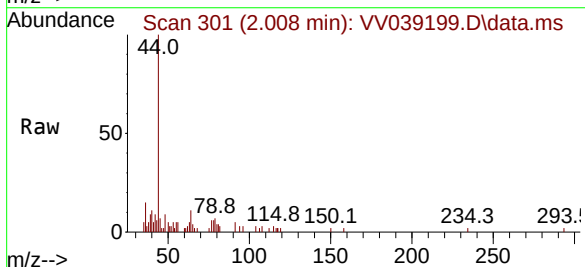
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

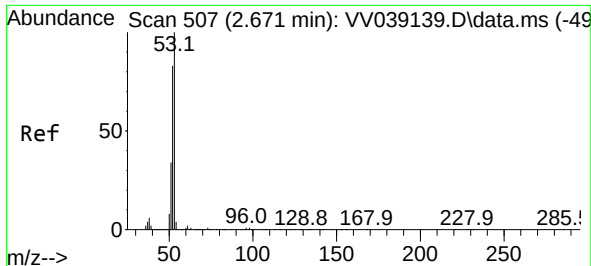
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#13
Acrolein
Concen: 1.230 ug/l
RT: 2.008 min Scan# 301
Delta R.T. -0.000 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 61.5 56.2 84.4

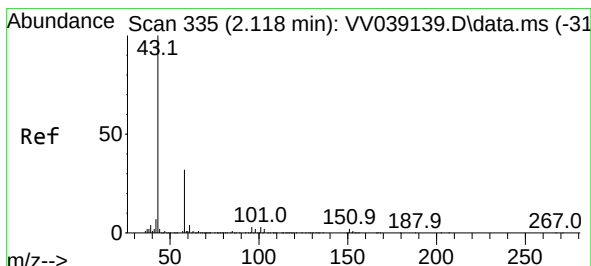
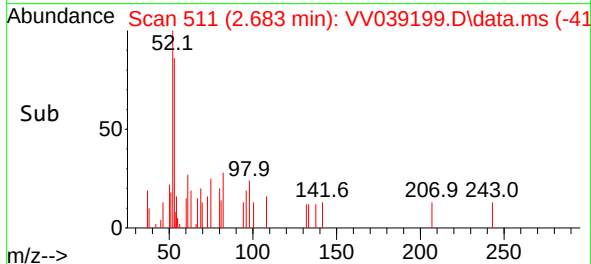
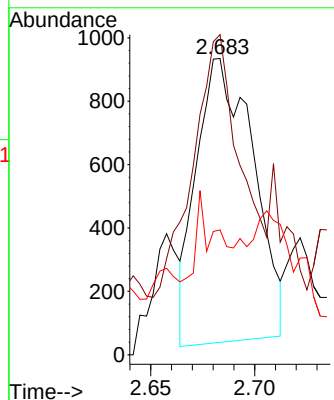
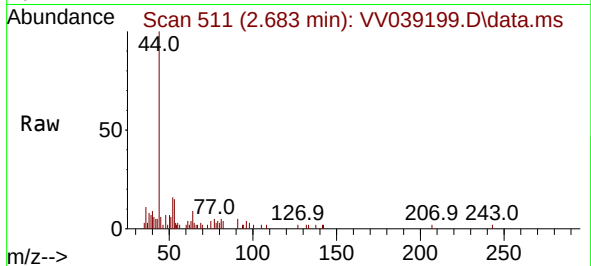




#15
Acrylonitrile
Concen: 0.318 ug/l
RT: 2.683 min Scan# 511
Delta R.T. 0.013 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

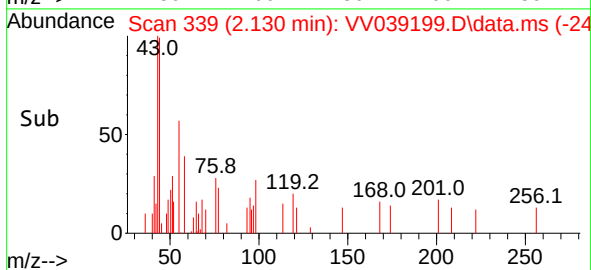
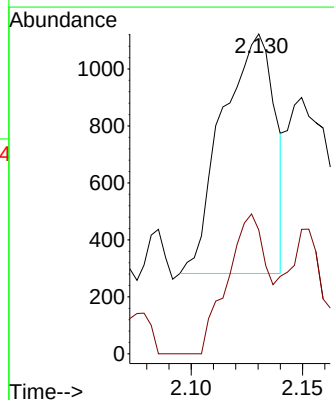
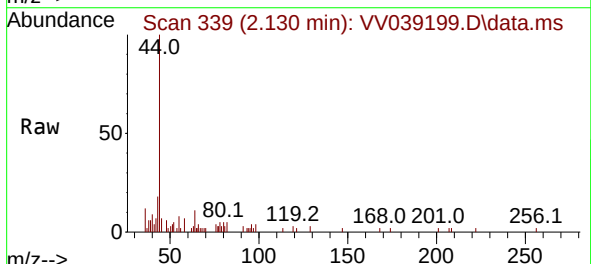
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

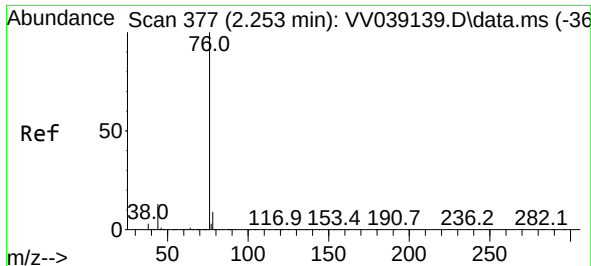
Tgt Ion: 53 Resp: 1702
Ion Ratio Lower Upper
53 100
52 77.7 66.1 99.1
51 16.6 28.5 42.7#



#16
Acetone
Concen: Below Cal
RT: 2.130 min Scan# 339
Delta R.T. 0.012 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
58 51.7 25.8 38.6#

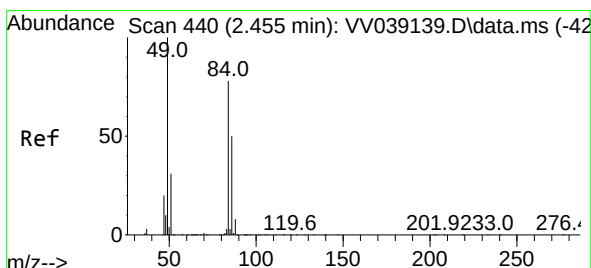
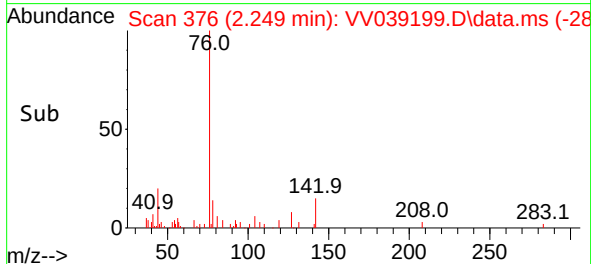
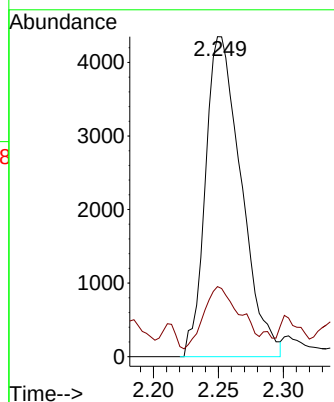
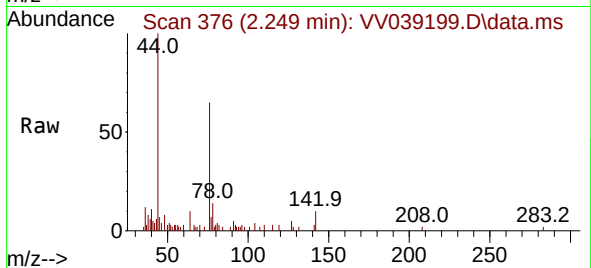




#17
Carbon Disulfide
Concen: 0.331 ug/l
RT: 2.249 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

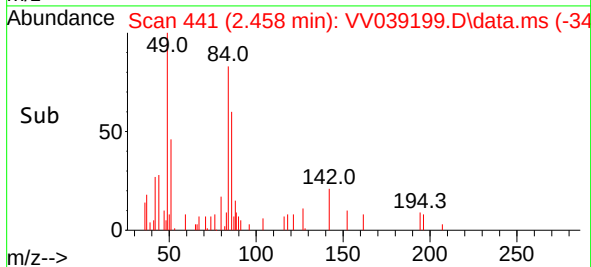
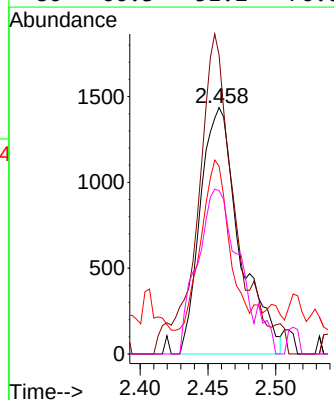
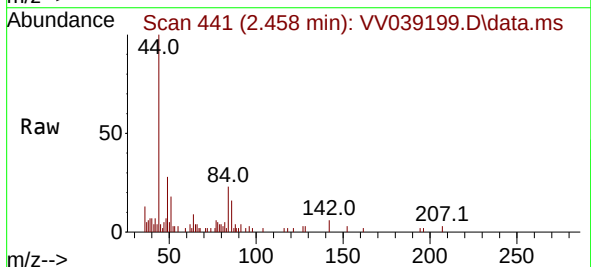
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

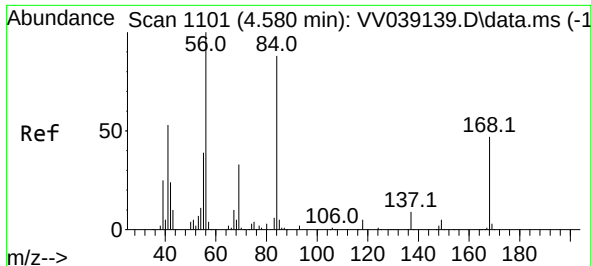
Tgt Ion: 76 Resp: 8334
Ion Ratio Lower Upper
76 100
78 18.8 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 84 Resp: 2891
Ion Ratio Lower Upper
84 100
49 109.0 102.8 154.2
51 65.9 31.9 47.9#
86 66.3 51.2 76.8

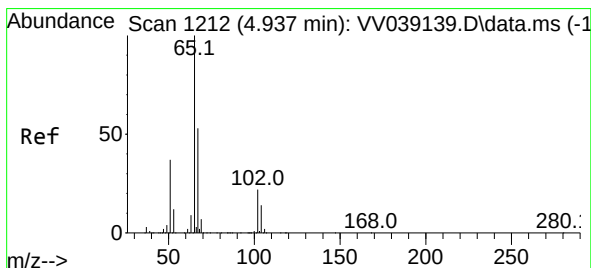
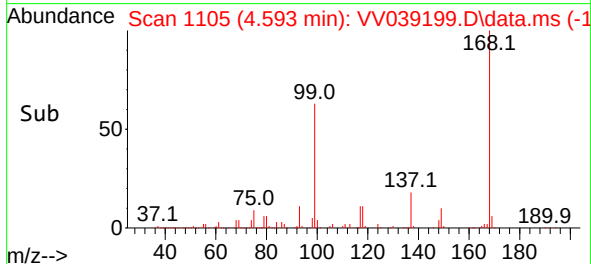
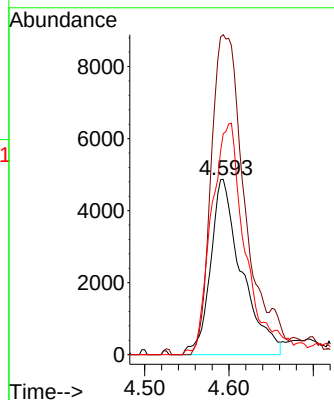
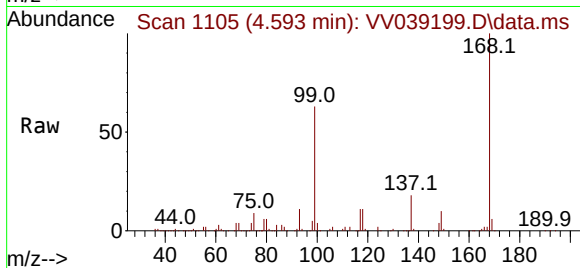




#31
Cyclohexane
Concen: 0.887 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

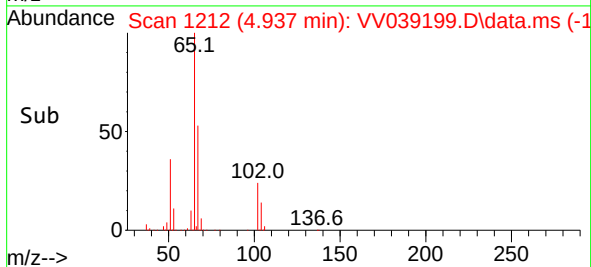
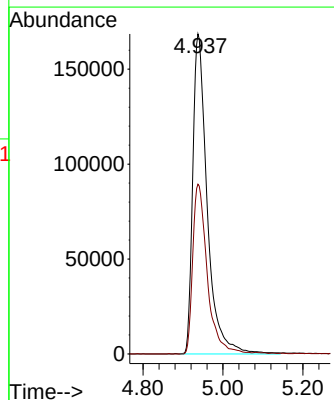
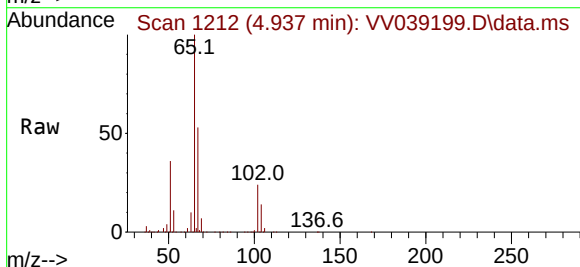
Instrument :
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ClientSampleId :
VV0926MBL01

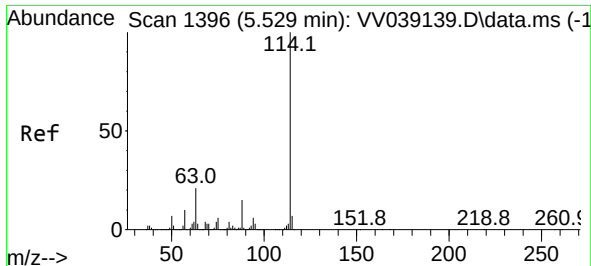
Tgt Ion: 56 Resp: 12485
Ion Ratio Lower Upper
56 100
69 182.5 26.2 39.2#
84 126.0 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 53.676 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 65 Resp: 423576
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

Instrument :

MSVOA_V

ClientSampleId :

VV0926MBL01

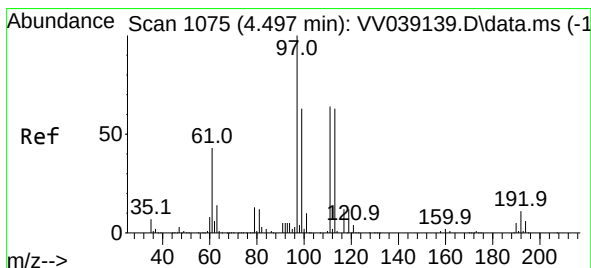
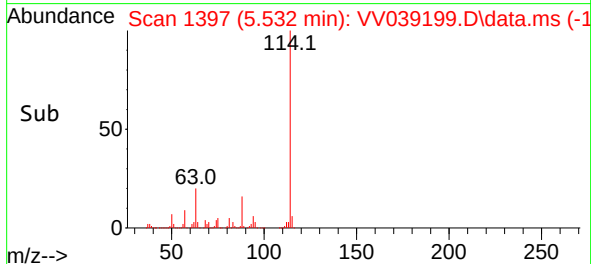
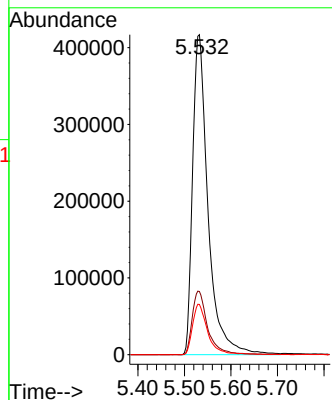
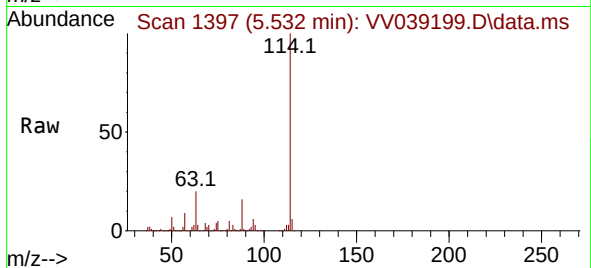
Tgt Ion:114 Resp: 960075

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.623 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

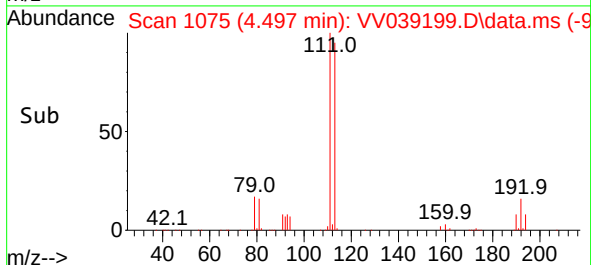
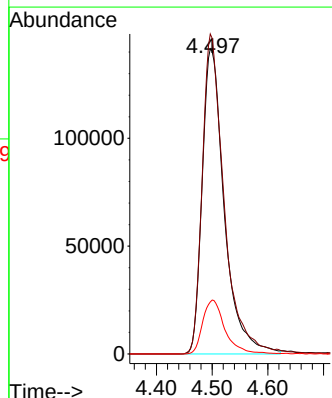
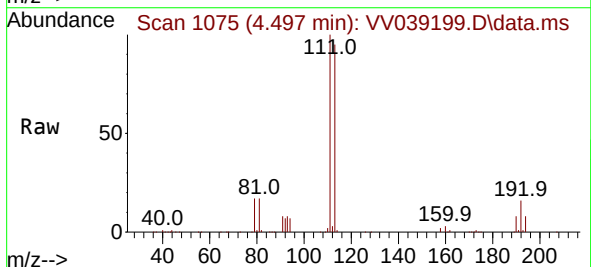
Tgt Ion:113 Resp: 390719

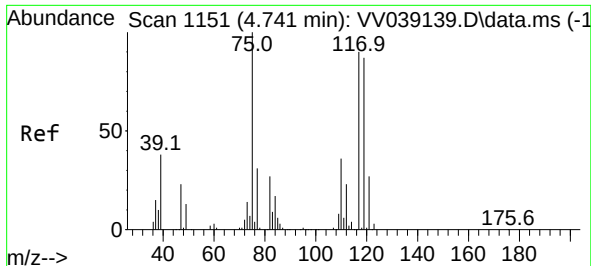
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 17.9 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.006 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. -0.145 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

Instrument :

MSVOA_V

ClientSampleId :

VV0926MBL01

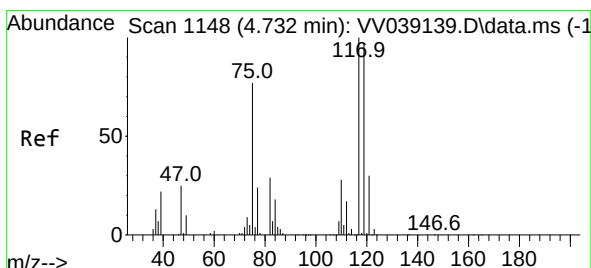
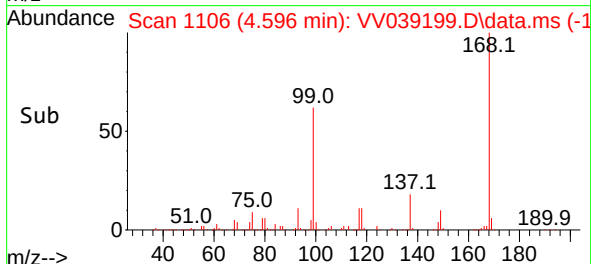
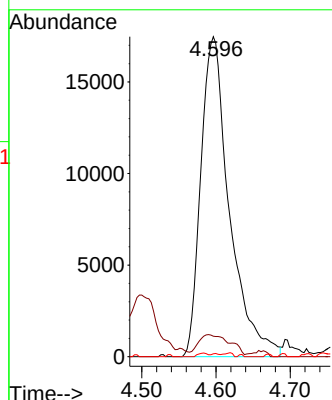
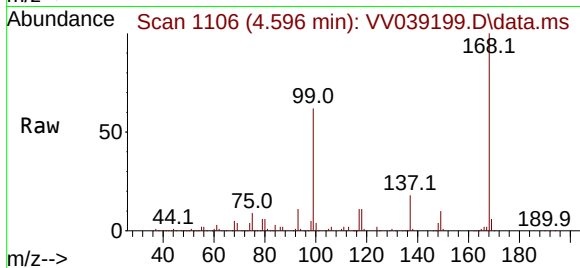
Tgt Ion: 75 Resp: 46742

Ion Ratio Lower Upper

75 100

110 0.0 18.1 54.1#

77 0.2 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.187 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. -0.139 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

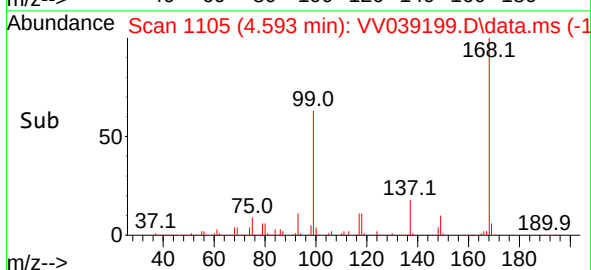
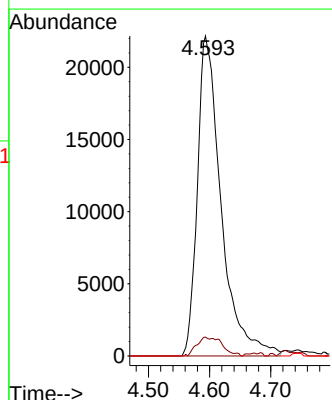
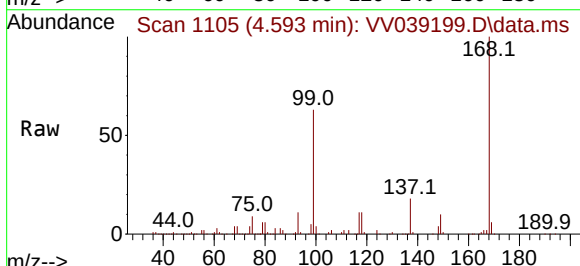
Tgt Ion: 117 Resp: 59711

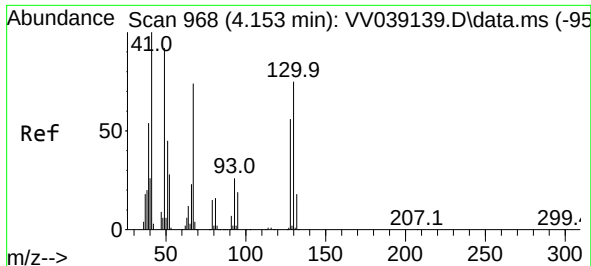
Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

121 0.0 24.2 36.2#

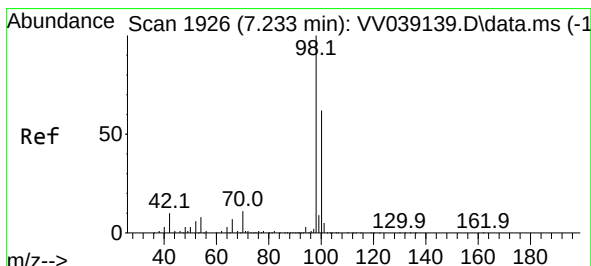
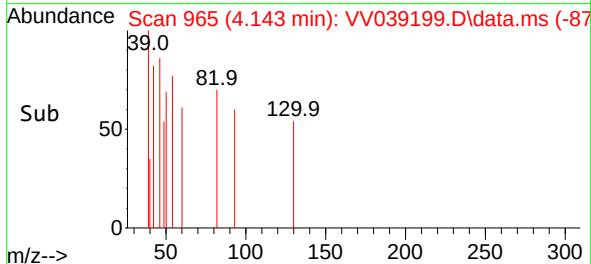
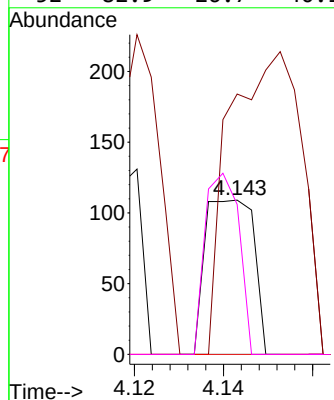
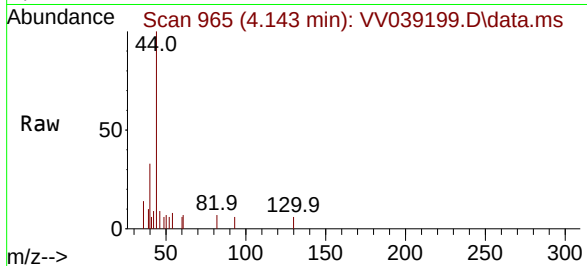




#41
Methacrylonitrile
Concen: 1.923 ug/l
RT: 4.143 min Scan# 90
Delta R.T. -0.010 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

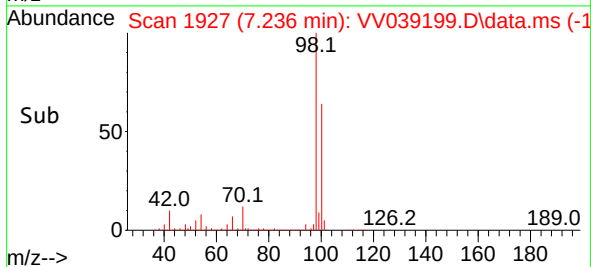
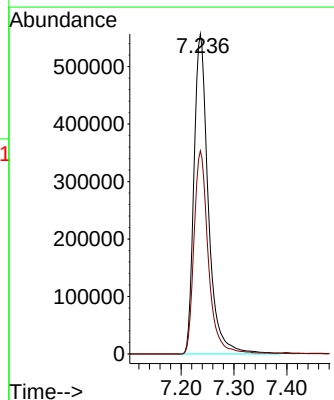
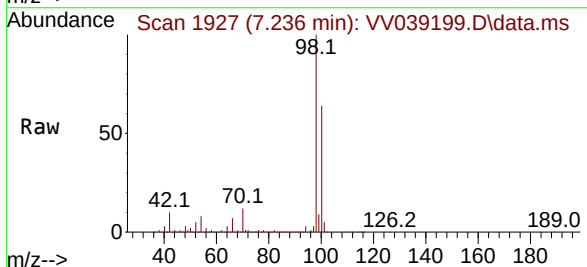
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

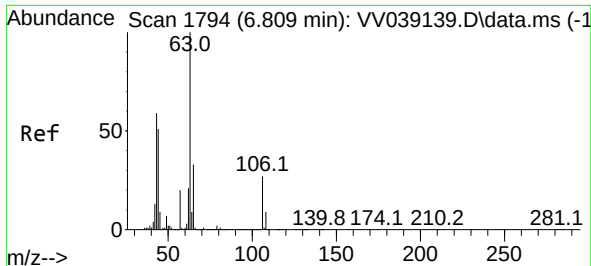
Tgt Ion: 41	Resp: 82
Ion Ratio	Lower Upper
41	100
39	293.9 42.2 63.2#
67	0.0 67.9 101.9#
52	82.9 26.7 40.1#



#50
Toluene-d8
Concen: 46.281 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.003 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 98	Resp: 1049117
Ion Ratio	Lower Upper
98	100
100	63.5 52.2 78.2

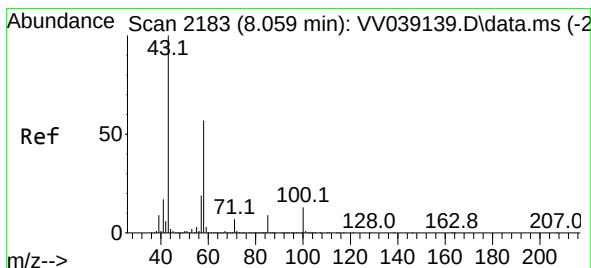
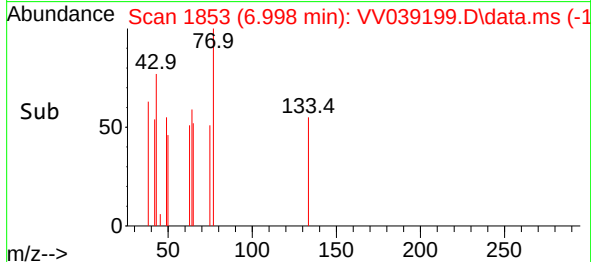
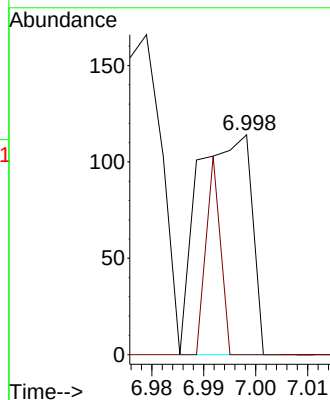
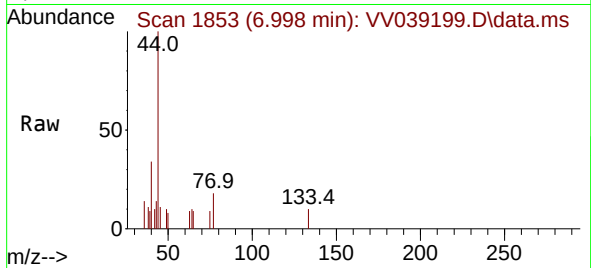




#58
2-Chloroethyl Vinyl ether
Concen: 9.635 ug/l
RT: 6.998 min Scan# 11
Delta R.T. 0.189 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

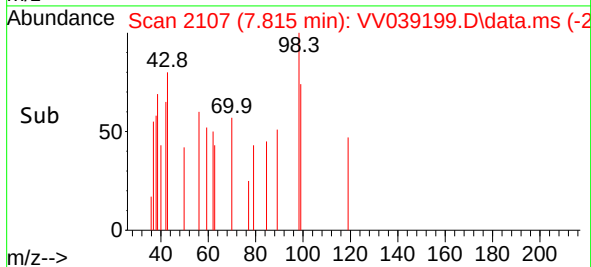
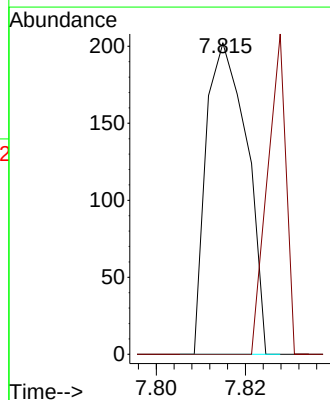
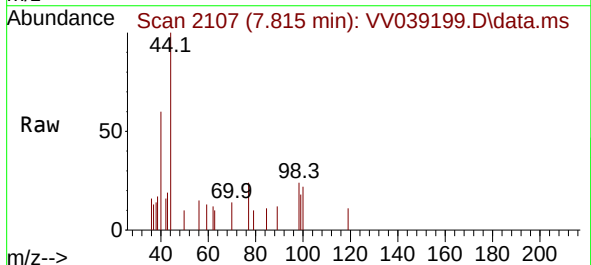
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

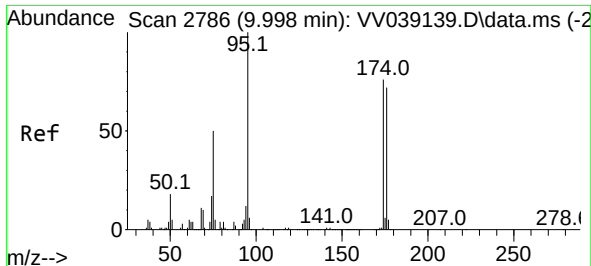
Tgt Ion	63	106	Resp	82
Ratio	100	24.4	Lower	Upper
			22.1	33.1



#59
2-Hexanone
Concen: 2.338 ug/l
RT: 7.815 min Scan# 2107
Delta R.T. -0.244 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion	43	58	Resp	128
Ratio	100	46.9	Lower	Upper
			28.3	85.0

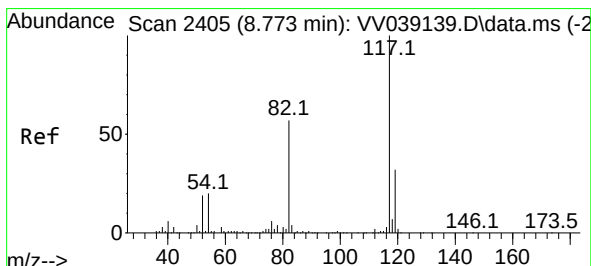
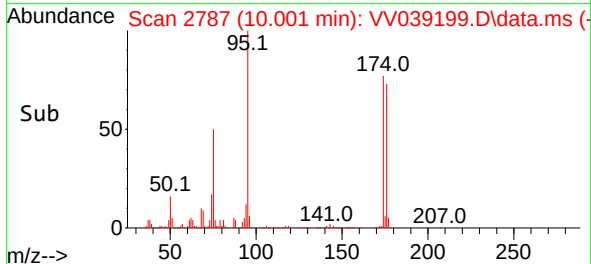
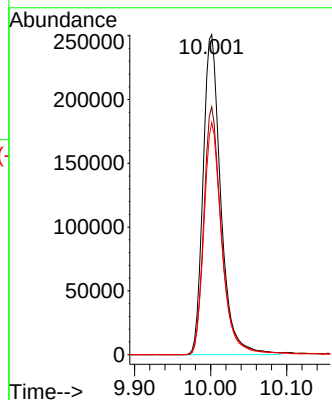
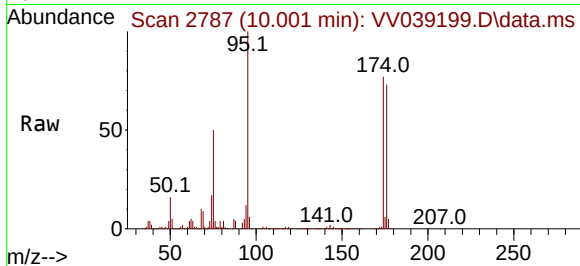




#62
4-Bromofluorobenzene
Concen: 43.536 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

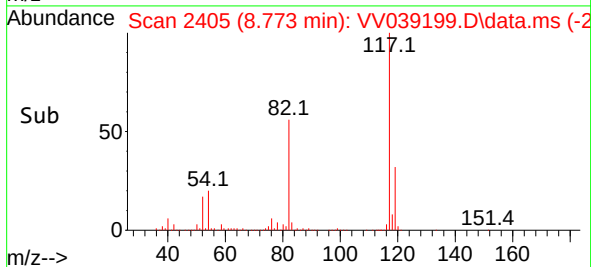
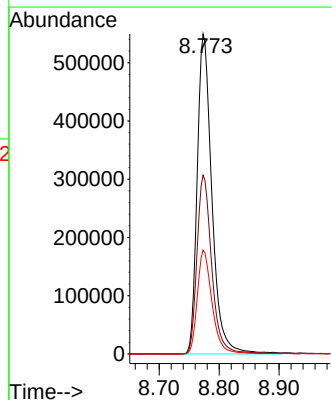
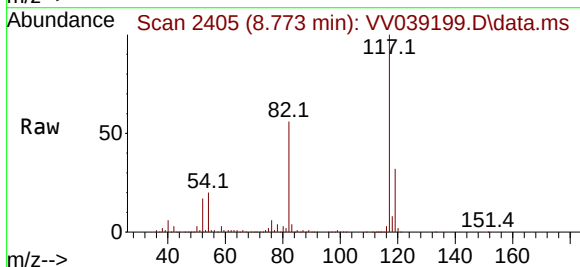
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

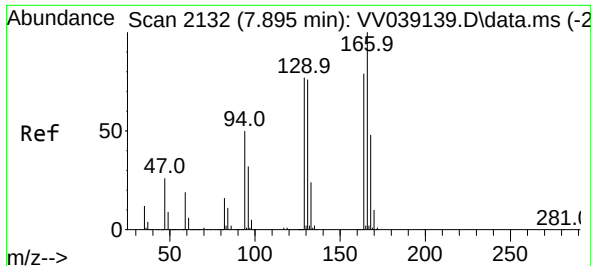
Tgt Ion: 95 Resp: 406277
Ion Ratio Lower Upper
95 100
174 77.6 0.0 150.4
176 73.7 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 117 Resp: 938706
Ion Ratio Lower Upper
117 100
82 55.9 45.4 68.2
119 32.5 25.6 38.4

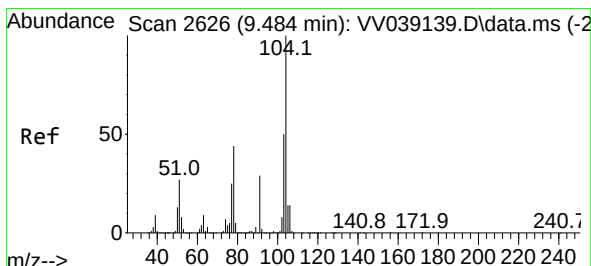
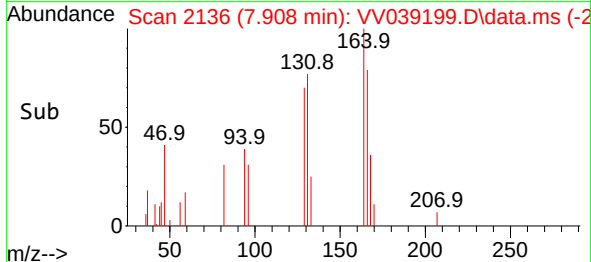
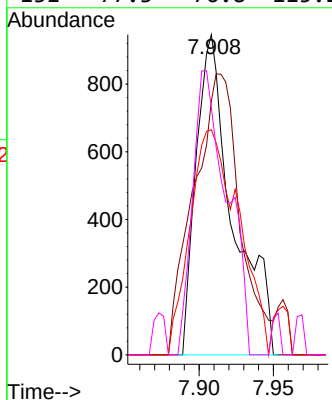
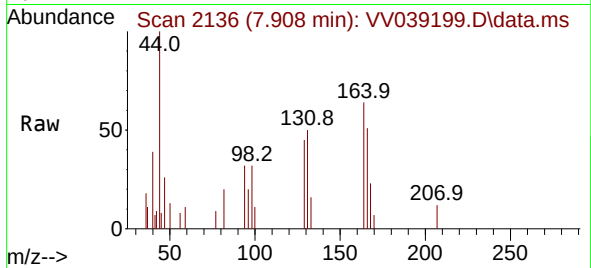




#64
Tetrachloroethene
Concen: 0.206 ug/l
RT: 7.908 min Scan# 2132
Delta R.T. 0.013 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

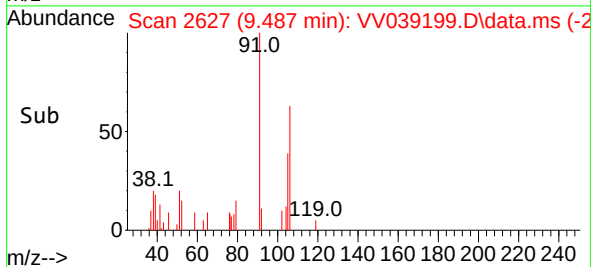
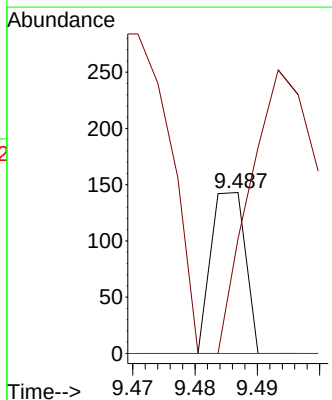
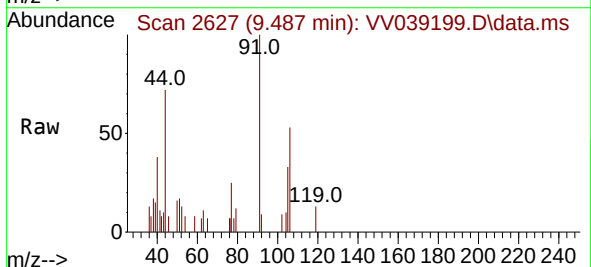
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

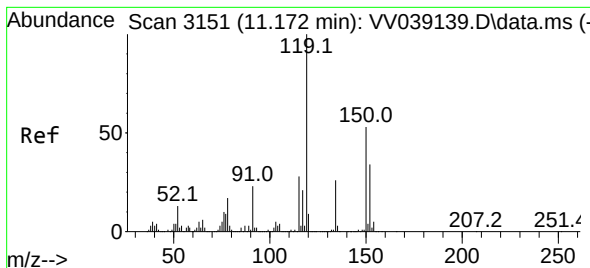
Tgt Ion:164	Resp:	1622
Ion	Ratio	Lower Upper
164	100	
166	64.3	101.6 152.4#
129	56.2	78.5 117.7#
131	77.3	76.8 115.2



#70
Styrene
Concen: 1.563 ug/l
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion:104	Resp:	55
Ion	Ratio	Lower Upper
104	100	
78	369.1	39.8 59.6#
103	0.0	43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039199.D

Acq: 26 Sep 2025 10:00

Instrument :

MSVOA_V

ClientSampleId :

VV0926MBL01

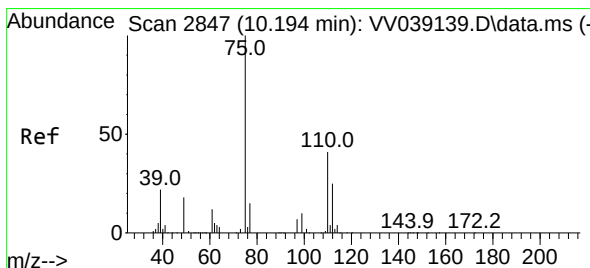
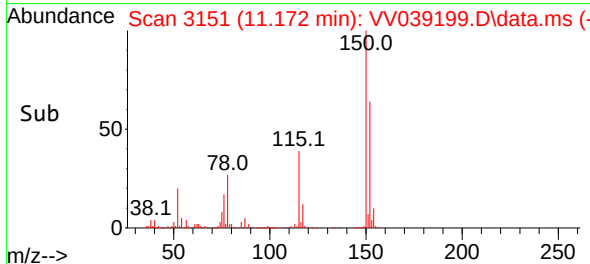
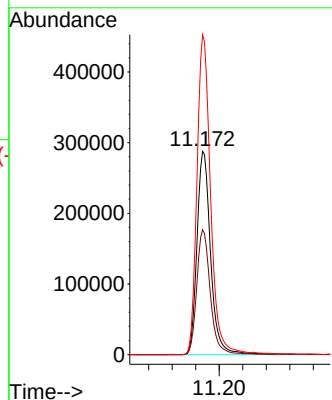
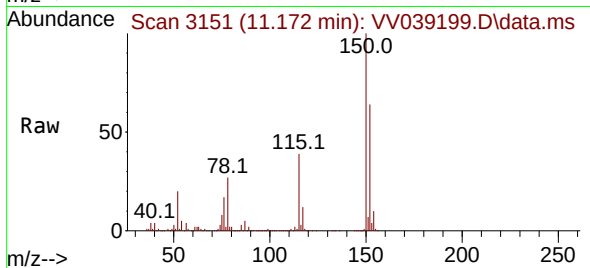
Tgt Ion:152 Resp: 463545

Ion Ratio Lower Upper

152 100

115 60.7 44.8 134.4

150 155.9 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.327 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039199.D

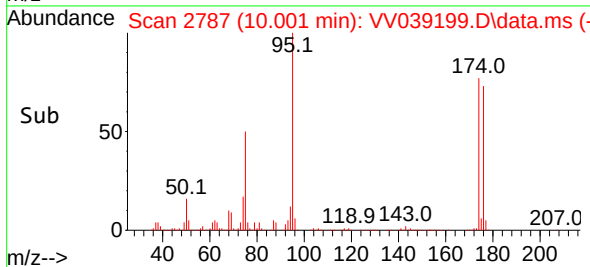
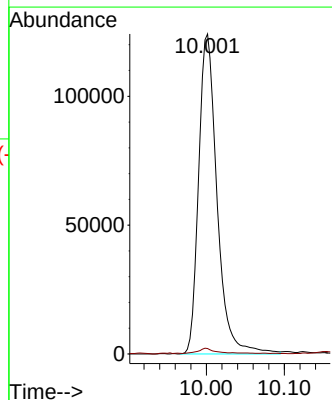
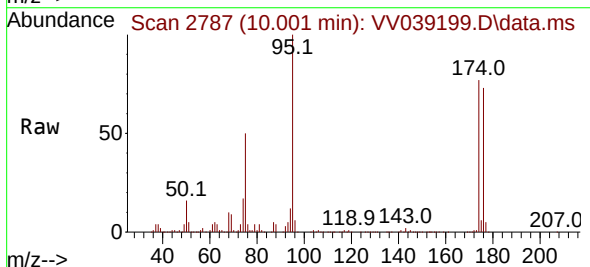
Acq: 26 Sep 2025 10:00

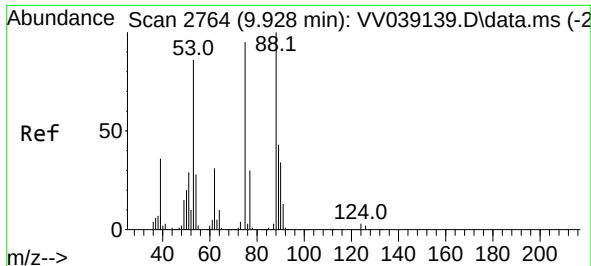
Tgt Ion: 75 Resp: 203984

Ion Ratio Lower Upper

75 100

77 1.5 11.3 33.8#

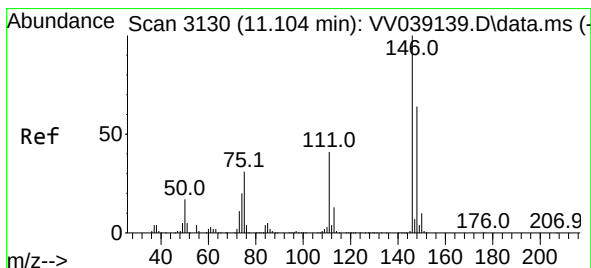
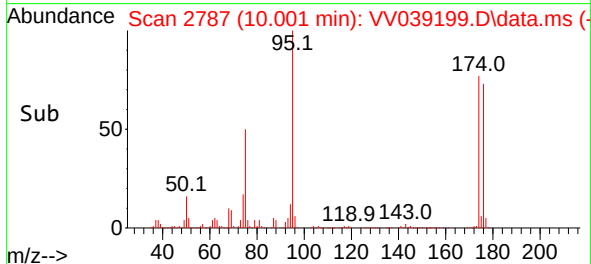
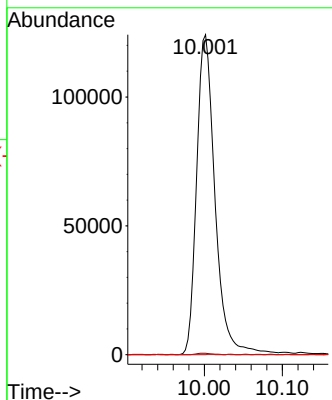
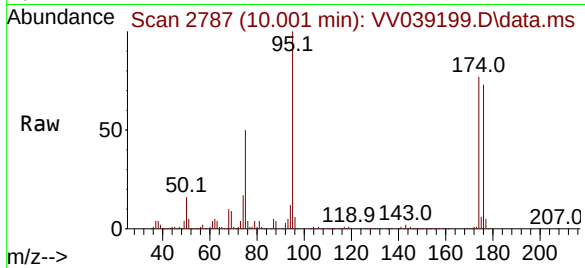




#81
trans-1,4-Dichloro-2-butene
Concen: 46.399 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

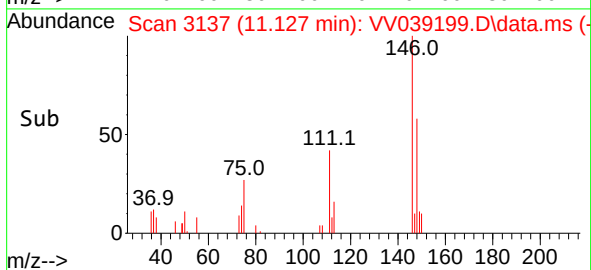
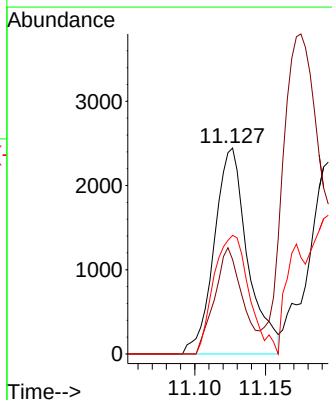
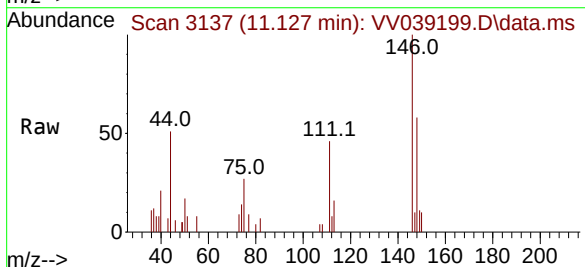
Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

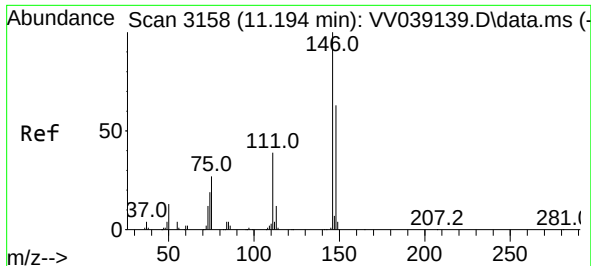
Tgt Ion: 75 Resp: 203984
Ion Ratio Lower Upper
75 100
53 0.4 72.5 108.7#
89 0.0 37.2 55.8#



#87
1,3-Dichlorobenzene
Concen: 0.227 ug/l
RT: 11.127 min Scan# 3137
Delta R.T. 0.022 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion:146 Resp: 4015
Ion Ratio Lower Upper
146 100
111 43.6 20.9 62.8
148 60.7 31.8 95.3

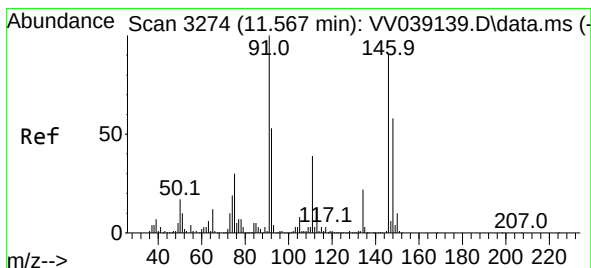
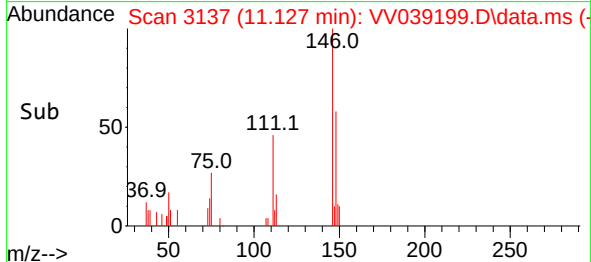
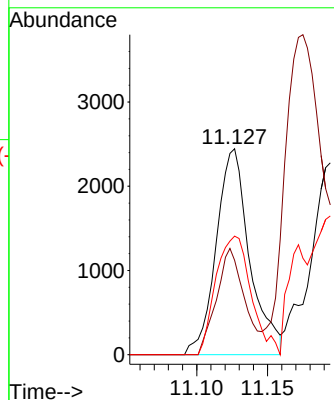
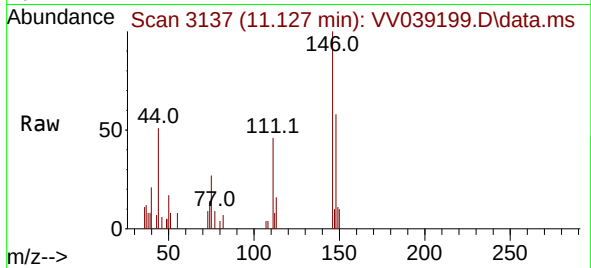




#88
 1,4-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 11.127 min Scan# 3158
 Delta R.T. -0.068 min
 Lab File: VV039199.D
 Acq: 26 Sep 2025 10:00

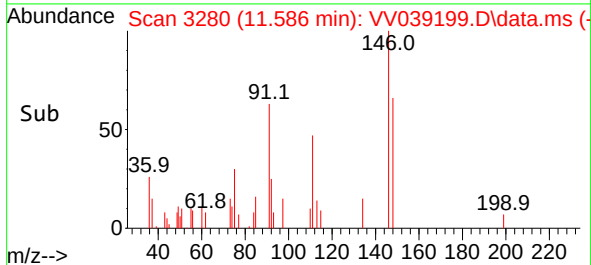
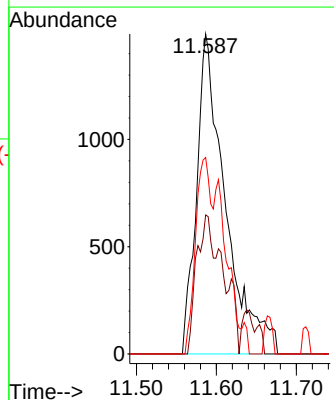
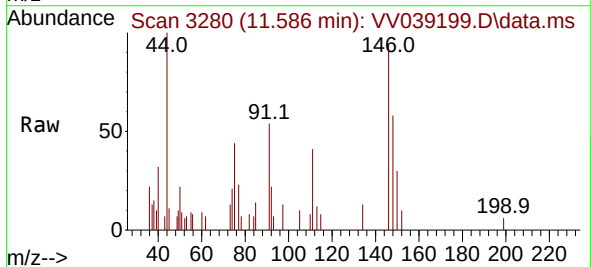
Instrument :
 MSVOA_V
 ClientSampleId :
 VV0926MBL01

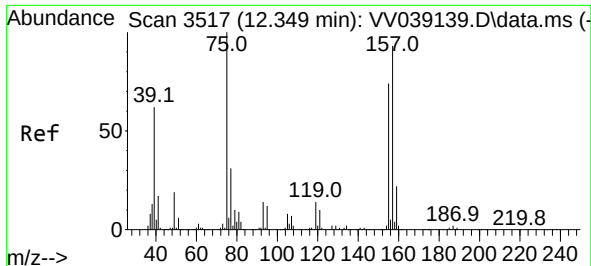
Tgt Ion:146 Resp: 4015
 Ion Ratio Lower Upper
 146 100
 111 43.6 20.3 60.8
 148 60.7 31.4 94.2



#91
 1,2-Dichlorobenzene
 Concen: 0.227 ug/l
 RT: 11.586 min Scan# 3280
 Delta R.T. 0.019 min
 Lab File: VV039199.D
 Acq: 26 Sep 2025 10:00

Tgt Ion:146 Resp: 3745
 Ion Ratio Lower Upper
 146 100
 111 25.9 21.5 64.5
 148 34.7 31.9 95.7

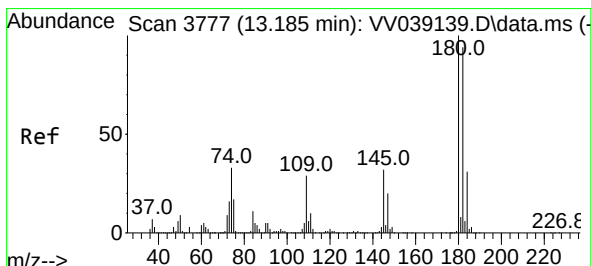
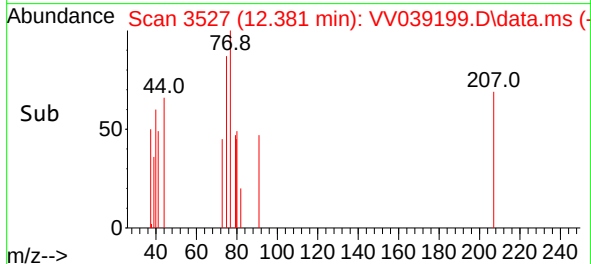
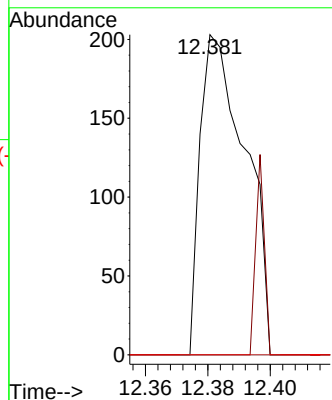
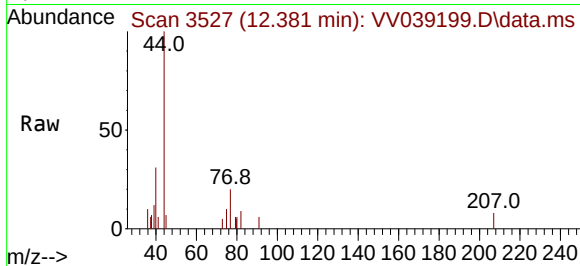




#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.381 min Scan# 31
Delta R.T. 0.032 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Instrument :
MSVOA_V
ClientSampleId :
VV0926MBL01

Tgt Ion: 75 Resp: 205
Ion Ratio Lower Upper
75 100
155 12.2 38.6 115.8#
157 0.0 49.5 148.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.204 ug/l
RT: 13.207 min Scan# 3784
Delta R.T. 0.022 min
Lab File: VV039199.D
Acq: 26 Sep 2025 10:00

Tgt Ion: 180 Resp: 1926
Ion Ratio Lower Upper
180 100
182 60.3 47.1 141.4
145 21.8 16.3 48.8

