

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039209.D
 Acq On : 26 Sep 2025 13:51
 Operator : SY/MD
 Sample : Q3195-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-19D-092225

Quant Time: Sep 27 02:55:51 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

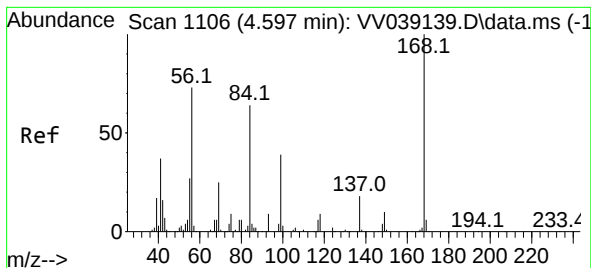
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.603	168	344932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	614959	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	627934	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	291769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	308774	61.851	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 123.700%#	
35) Dibromofluoromethane	4.503	113	284583	57.564	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 115.120%	
50) Toluene-d8	7.240	98	686292	47.266	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 94.540%	
62) 4-Bromofluorobenzene	10.002	95	261604	43.765	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 87.540%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	32529	5.957	ug/l	99
6) Chloroethane	1.568	64	469	Below Cal	#	53
9) 1,1,2-Trichlorotrifluo...	2.082	101	41397	7.658	ug/l	100
11) Tert butyl alcohol	2.574	59	439	0.416	ug/l #	73
12) 1,1-Dichloroethene	2.082	96	1608	0.309	ug/l #	68
13) Acrolein	2.018	56	313	1.710	ug/l #	83
16) Acetone	2.127	43	4400	Below Cal		93
20) Methylene Chloride	2.468	84	1656	Below Cal	#	88
30) Chloroform	4.291	83	7336	0.646	ug/l	98
31) Cyclohexane	4.603	56	7431	0.835	ug/l #	1
36) 1,1-Dichloropropene	4.603	75	30338	4.059	ug/l #	44
38) Carbon Tetrachloride	4.600	117	36528	3.999	ug/l #	18
41) Methacrylonitrile	4.166	41	48	1.922	ug/l #	6
44) Trichloroethene	5.847	130	18064	3.216	ug/l	93
49) 1,4-Dioxane	6.278	88	144	1.592	ug/l #	33
58) 2-Chloroethyl Vinyl ether	6.831	63	52	9.635	ug/l #	47
59) 2-Hexanone	8.043	43	46	2.333	ug/l	85
64) Tetrachloroethene	7.908	164	1575	0.299	ug/l #	74
70) Styrene	9.735	104	21	1.563	ug/l #	26
76) 1,2,3-Trichloropropane	10.002	75	127689	19.221	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.002	75	127689	46.144	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.323	75	70	Below Cal	#	5

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

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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

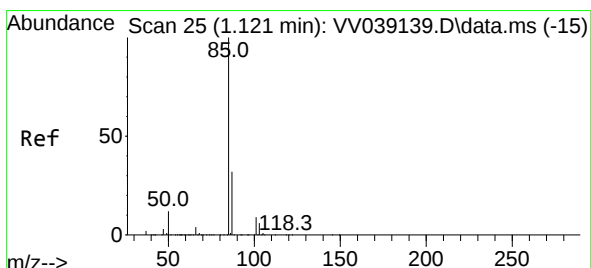
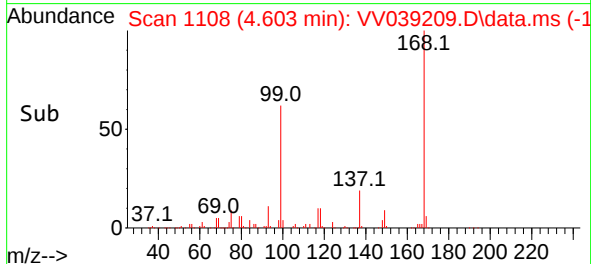
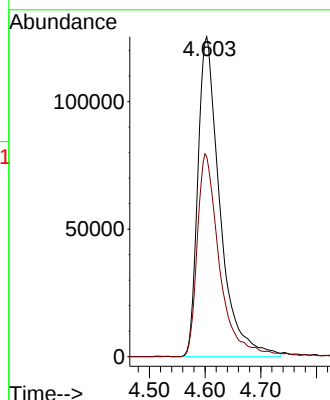
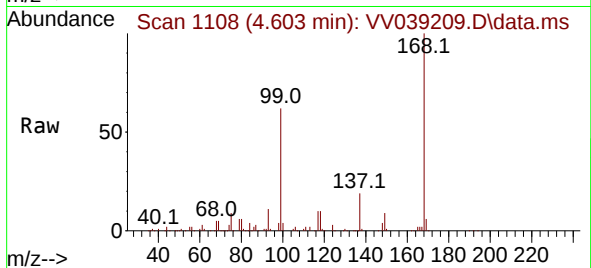




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

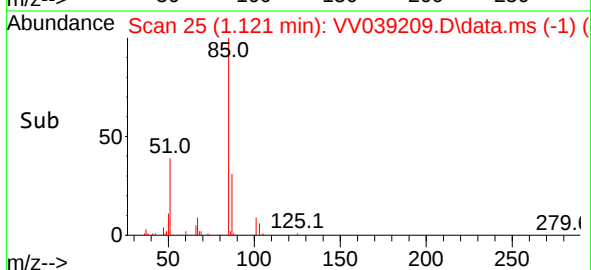
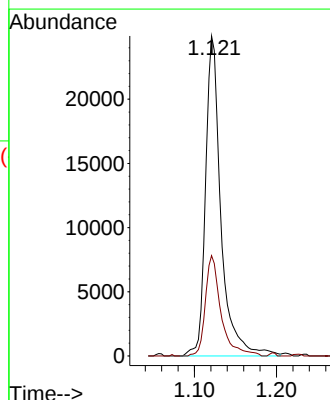
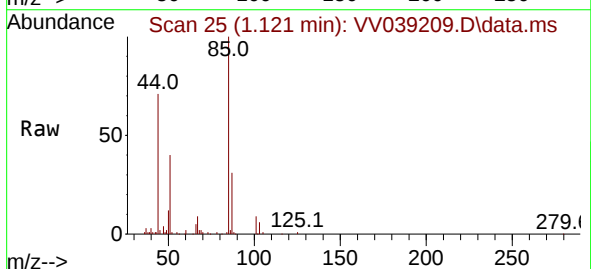
Instrument :
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MW-19D-092225

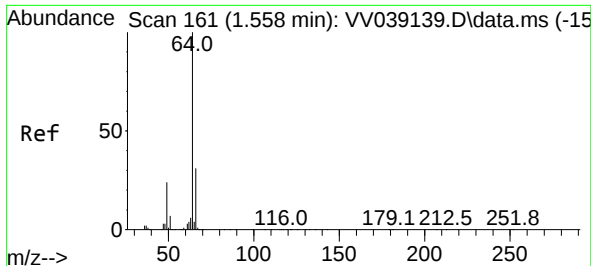
Tgt Ion:168 Resp: 344932
Ion Ratio Lower Upper
168 100
99 62.4 49.6 74.4



#2
Dichlorodifluoromethane
Concen: 5.957 ug/l
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 85 Resp: 32529
Ion Ratio Lower Upper
85 100
87 31.3 16.0 47.9

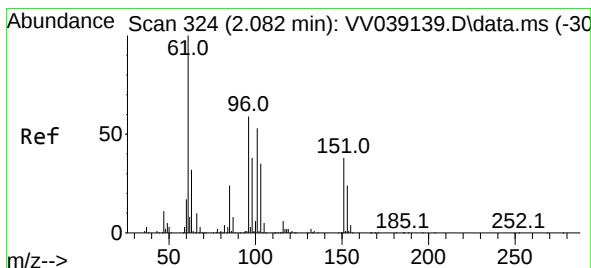
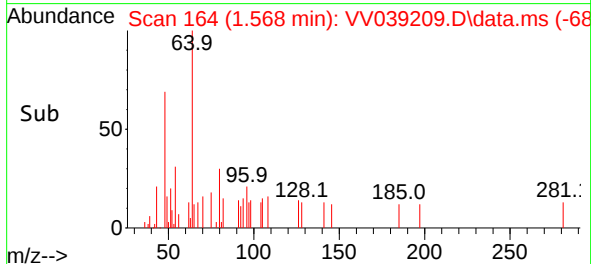
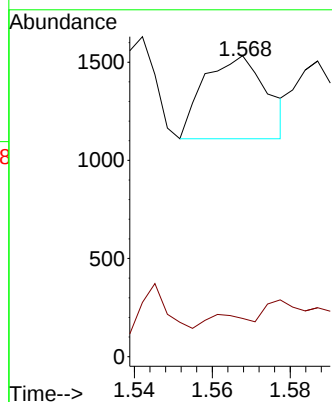
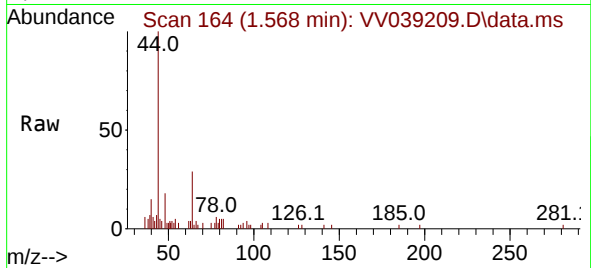




#6
Chloroethane
Concen: Below Cal
RT: 1.568 min Scan# 164
Delta R.T. 0.010 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

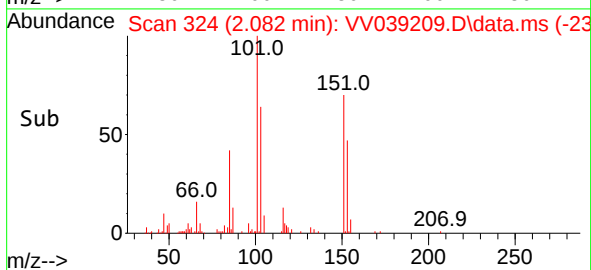
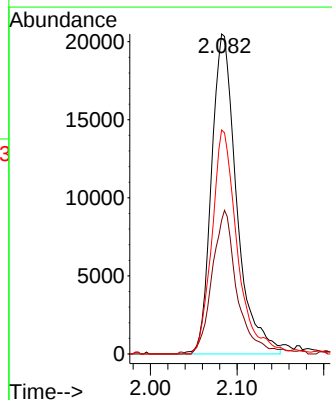
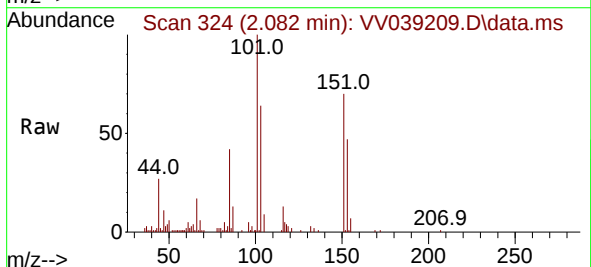
Instrument :
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ClientSampleId :
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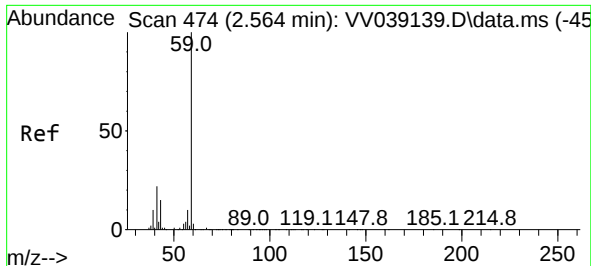
Tgt Ion: 64 Resp: 469
Ion Ratio Lower Upper
64 100
66 4.7 24.6 36.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.658 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion:101 Resp: 41397
Ion Ratio Lower Upper
101 100
85 44.5 36.2 54.2
151 70.4 56.3 84.5

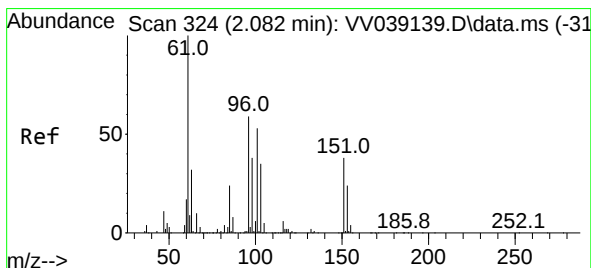
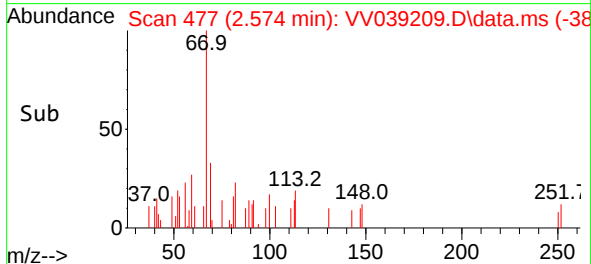
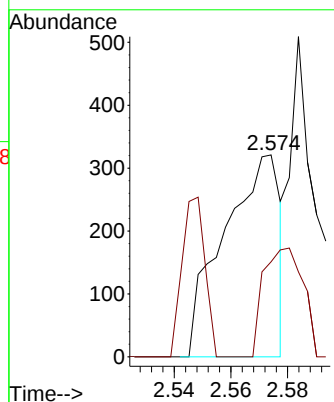
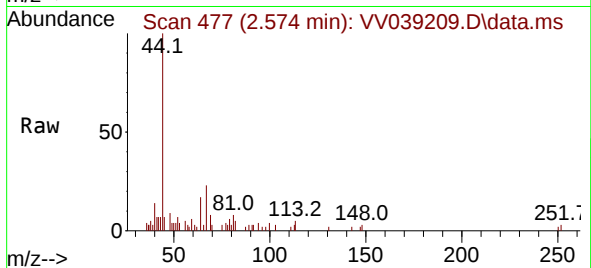




#11
Tert butyl alcohol
Concen: 0.416 ug/l
RT: 2.574 min Scan# 411
Delta R.T. 0.010 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

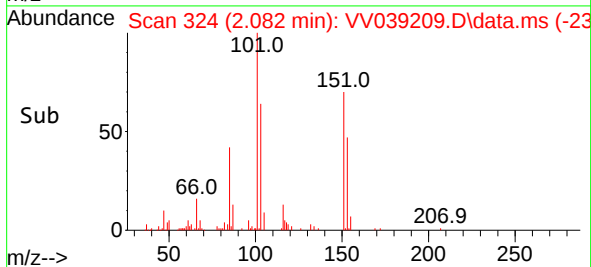
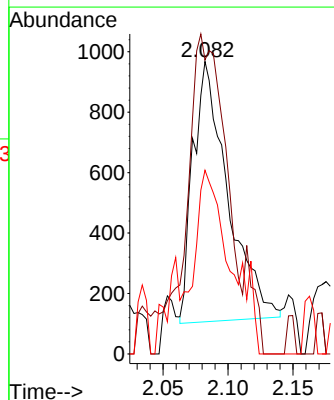
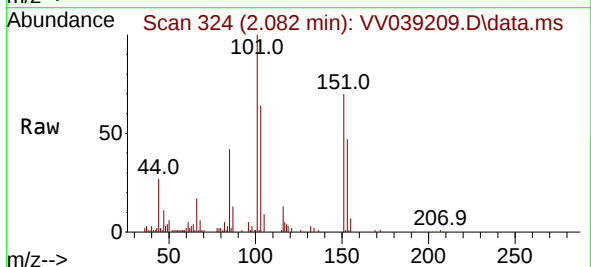
Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

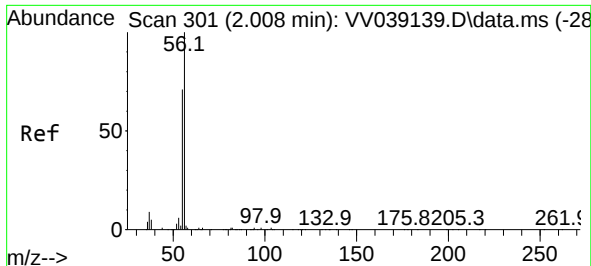
Tgt Ion: 59 Resp: 439
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.309 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 96 Resp: 1608
Ion Ratio Lower Upper
96 100
61 115.0 136.0 204.0#
98 71.9 51.0 76.6

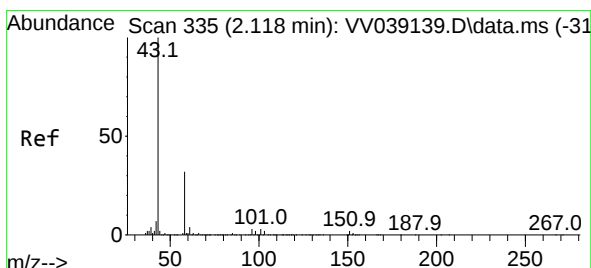
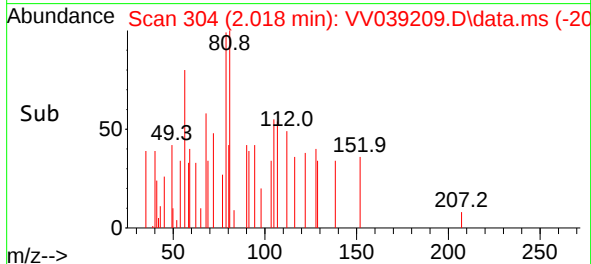
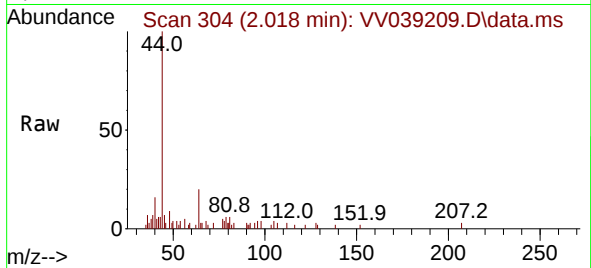




#13
Acrolein
Concen: 1.710 ug/l
RT: 2.018 min Scan# 301
Delta R.T. 0.010 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

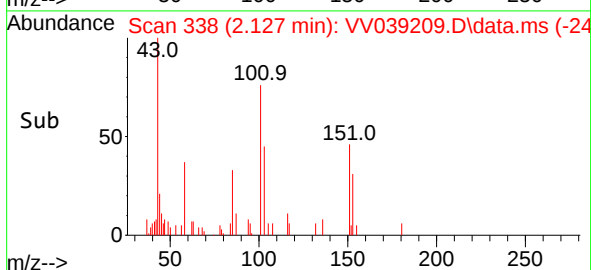
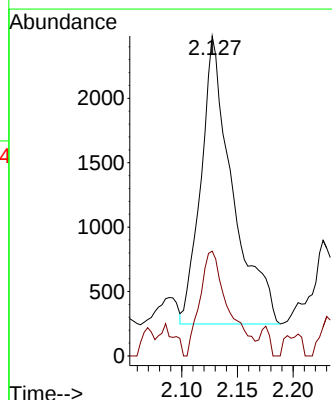
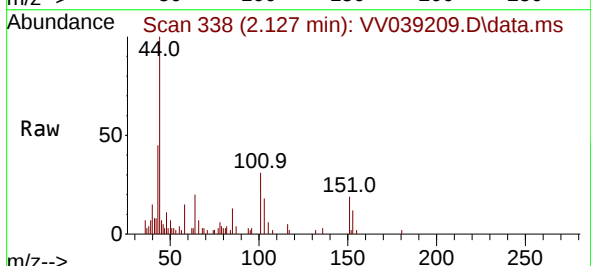
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ClientSampleId :
MW-19D-092225

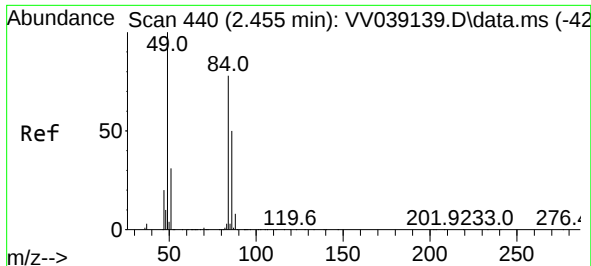
Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 84.7 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 43 Resp: 4400
Ion Ratio Lower Upper
43 100
58 36.4 25.8 38.6

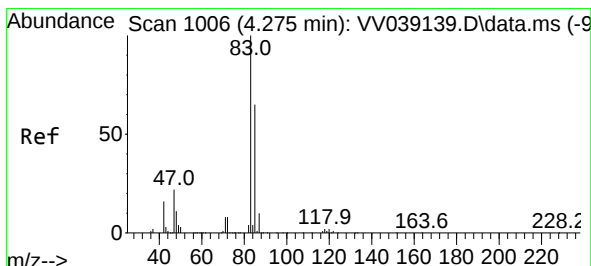
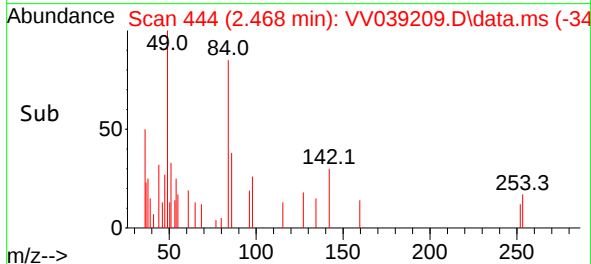
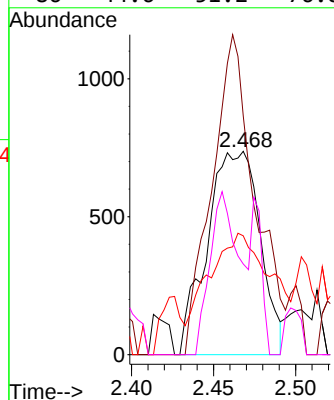
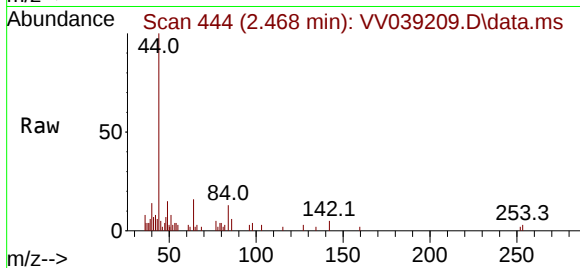




#20
Methylene Chloride
Concen: Below Cal
RT: 2.468 min Scan# 440
Delta R.T. 0.013 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

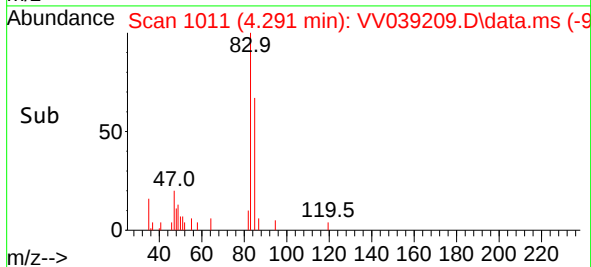
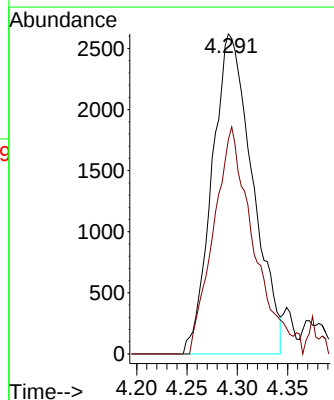
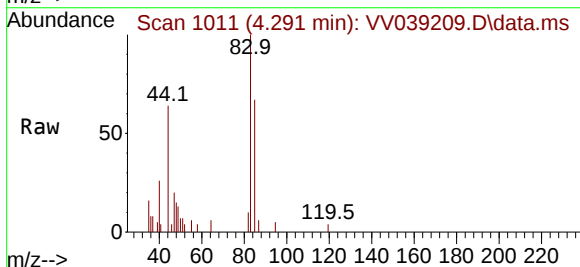
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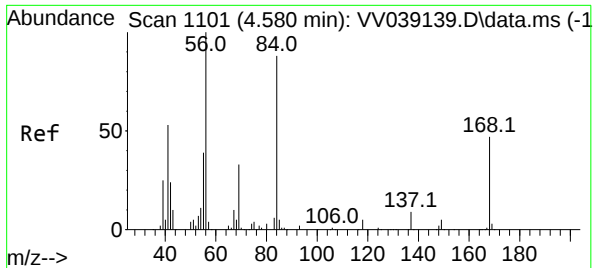
Tgt Ion: 84 Resp: 1656
Ion Ratio Lower Upper
84 100
49 117.5 102.8 154.2
51 40.2 31.9 47.9
86 44.6 51.2 76.8#



#30
Chloroform
Concen: 0.646 ug/l
RT: 4.291 min Scan# 1011
Delta R.T. 0.016 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 83 Resp: 7336
Ion Ratio Lower Upper
83 100
85 66.9 52.1 78.1

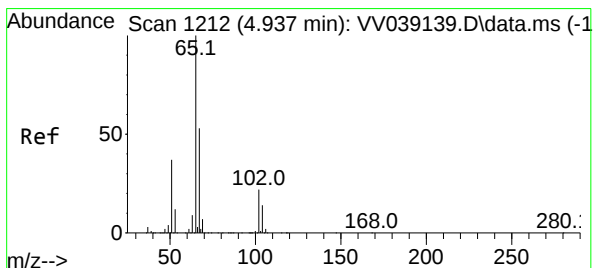
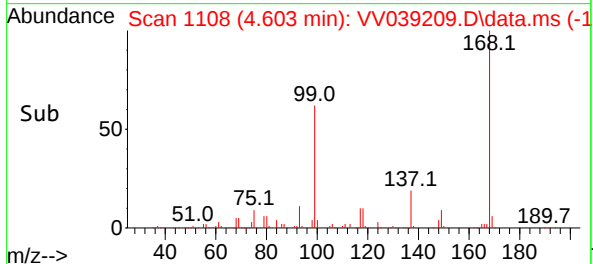
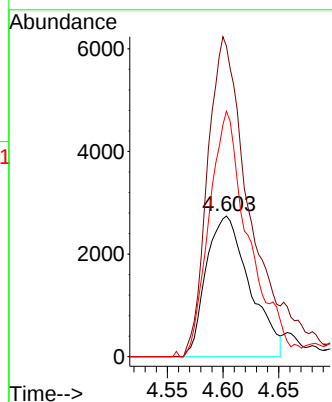
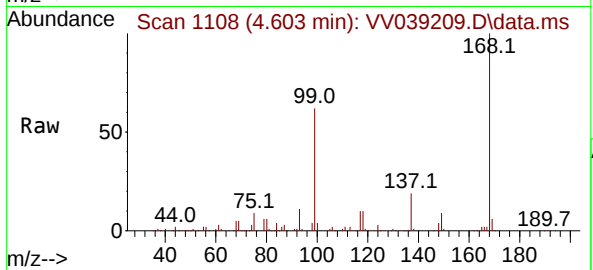




#31
Cyclohexane
Concen: 0.835 ug/l
RT: 4.603 min Scan# 1101
Delta R.T. 0.023 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

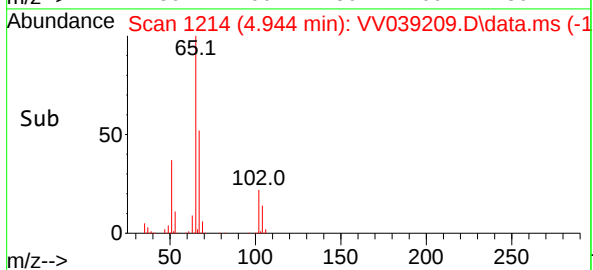
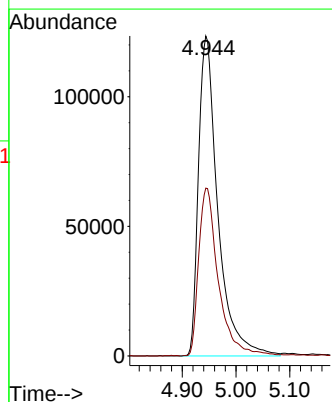
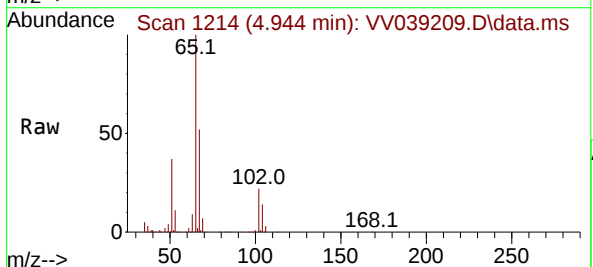
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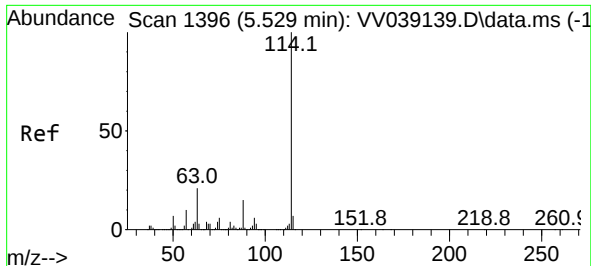
Tgt Ion: 56 Resp: 7431
Ion Ratio Lower Upper
56 100
69 220.9 26.2 39.2#
84 174.6 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 61.851 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039209.D
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Tgt Ion: 65 Resp: 308774
Ion Ratio Lower Upper
65 100
67 53.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

Instrument :

MSVOA_V

ClientSampleId :

MW-19D-092225

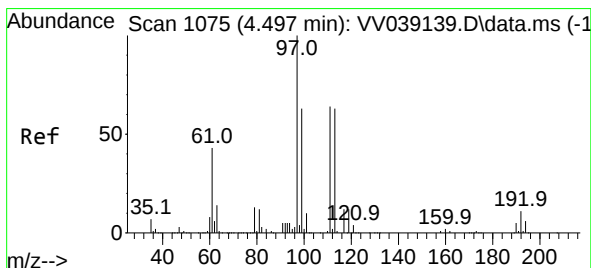
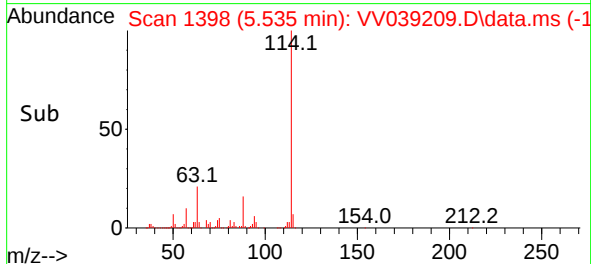
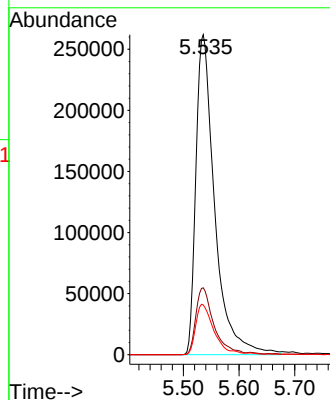
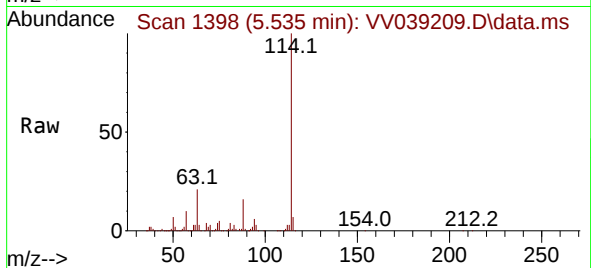
Tgt Ion:114 Resp: 614959

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 57.564 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

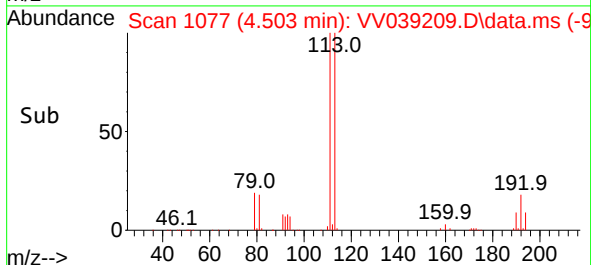
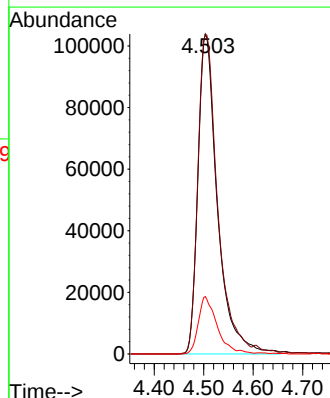
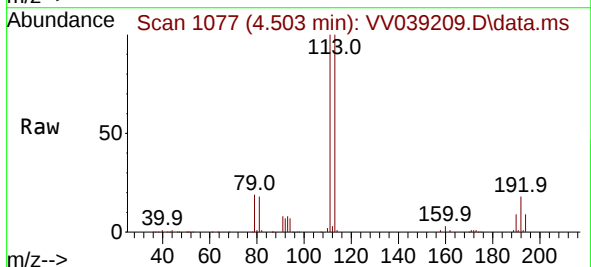
Tgt Ion:113 Resp: 284583

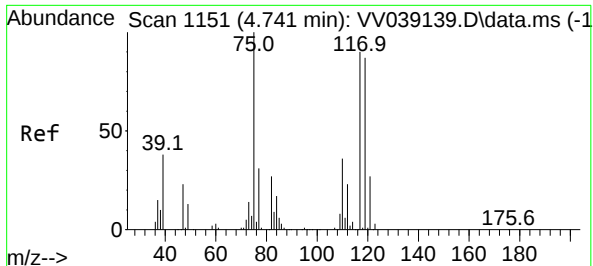
Ion Ratio Lower Upper

113 100

111 100.8 82.4 123.6

192 16.8 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.059 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.138 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

Instrument :

MSVOA_V

ClientSampleId :

MW-19D-092225

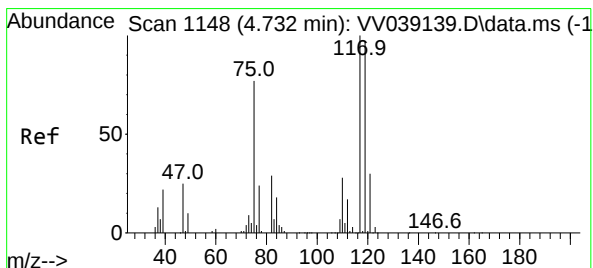
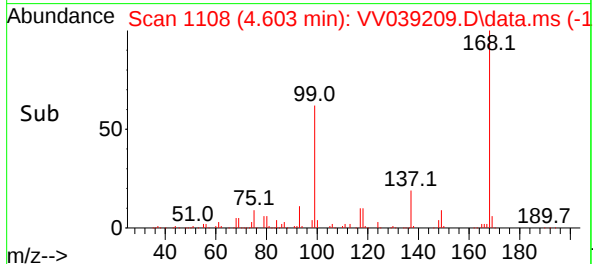
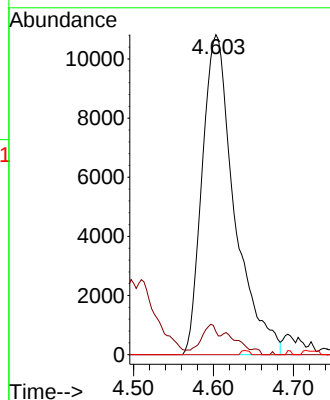
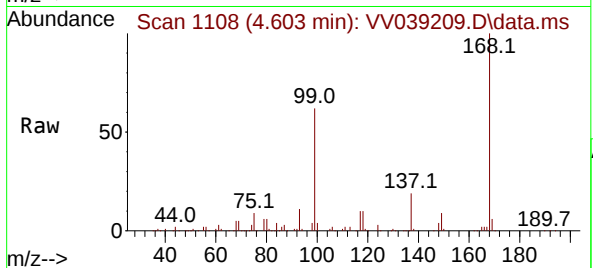
Tgt Ion: 75 Resp: 30338

Ion Ratio Lower Upper

75 100

110 3.8 18.1 54.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 3.999 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.132 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

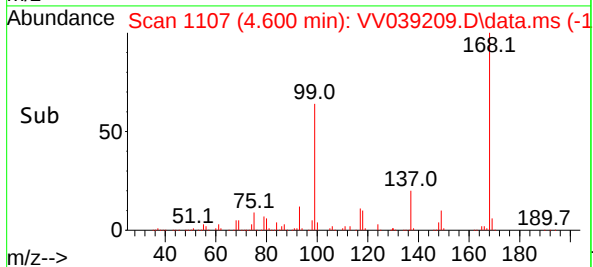
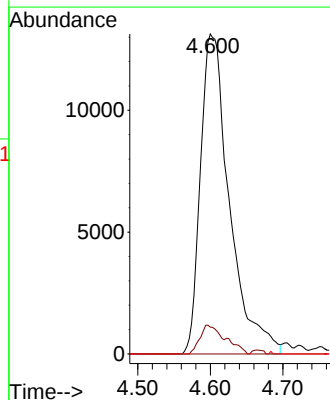
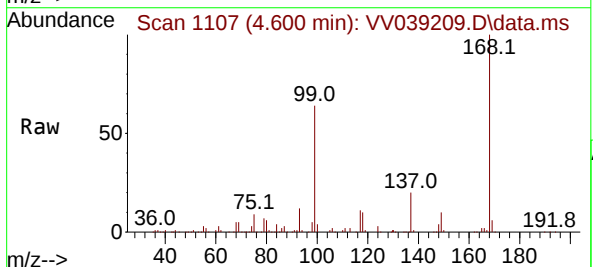
Tgt Ion: 117 Resp: 36528

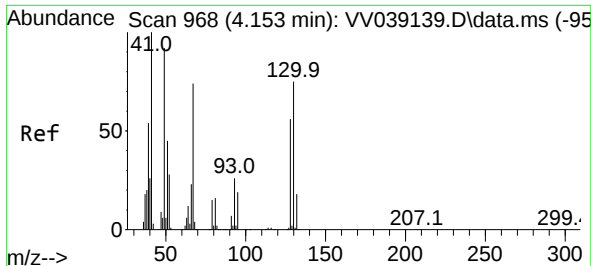
Ion Ratio Lower Upper

117 100

119 8.4 77.2 115.8#

121 0.0 24.2 36.2#

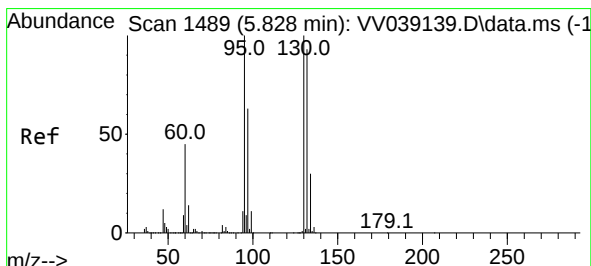
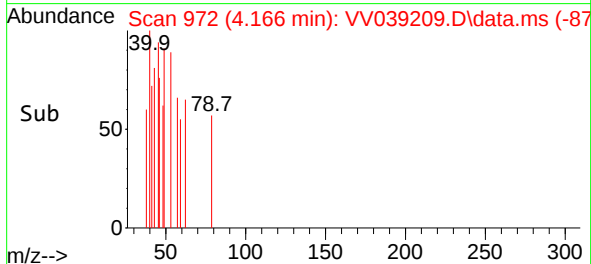
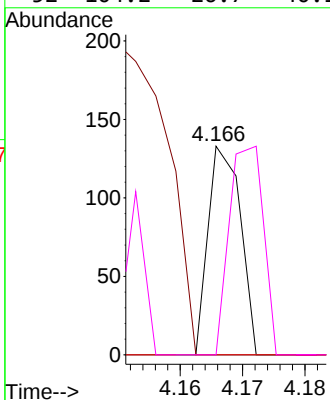
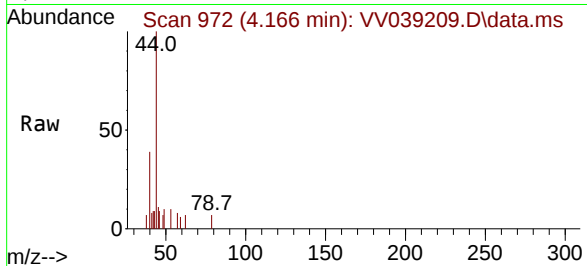




#41
Methacrylonitrile
Concen: 1.922 ug/l
RT: 4.166 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

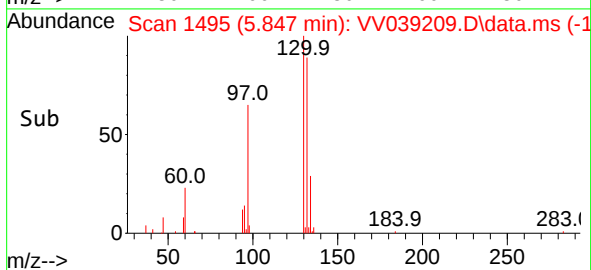
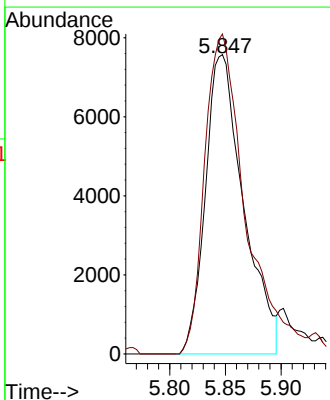
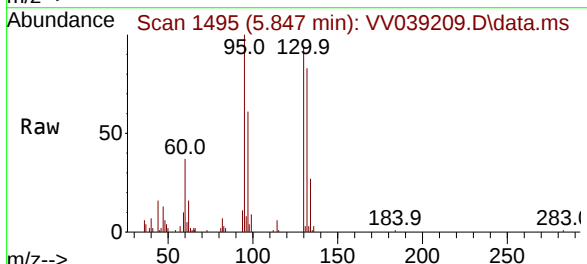
Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

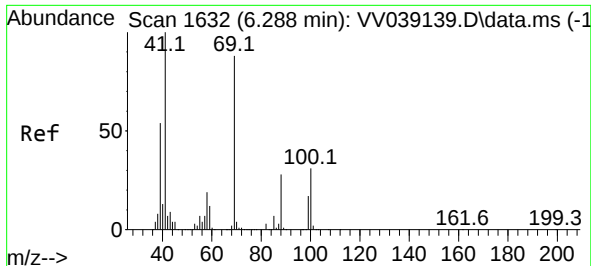
Tgt Ion: 41 Resp: 48
Ion Ratio Lower Upper
41 100
39 0.0 42.2 63.2#
67 0.0 67.9 101.9#
52 104.2 26.7 40.1#



#44
Trichloroethene
Concen: 3.216 ug/l
RT: 5.847 min Scan# 1495
Delta R.T. 0.019 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion:130 Resp: 18064
Ion Ratio Lower Upper
130 100
95 106.9 0.0 199.2





#49

1,4-Dioxane

Concen: 1.592 ug/l

RT: 6.278 min Scan# 1

Delta R.T. -0.010 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

Instrument :

MSVOA_V

ClientSampleId :

MW-19D-092225

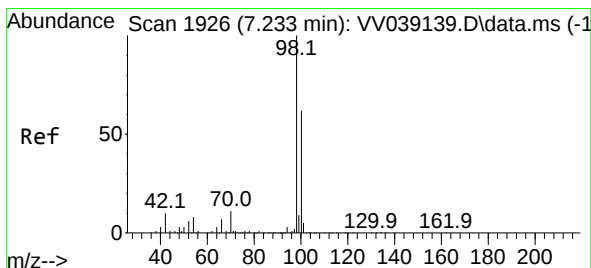
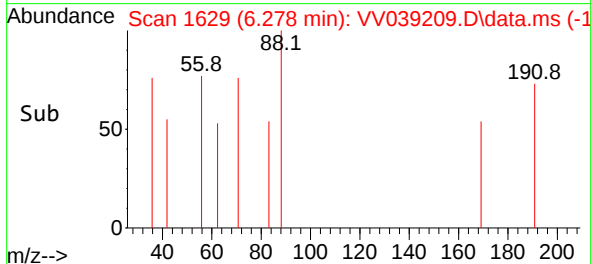
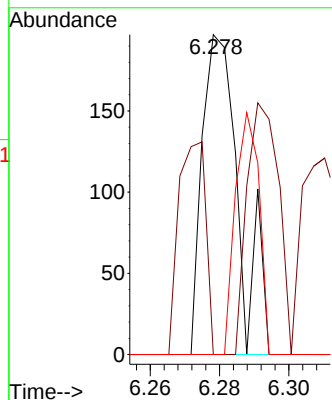
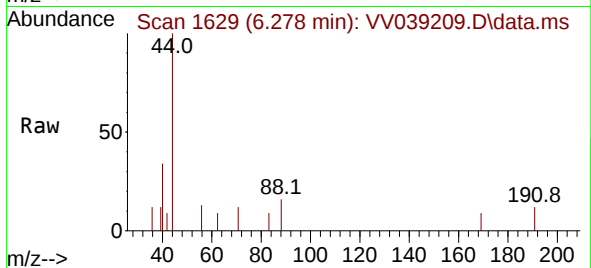
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 49.3 25.1 37.7#

58 0.0 53.6 80.4#



#50

Toluene-d8

Concen: 47.266 ug/l

RT: 7.240 min Scan# 1928

Delta R.T. 0.006 min

Lab File: VV039209.D

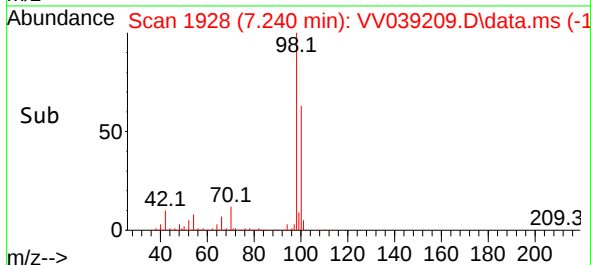
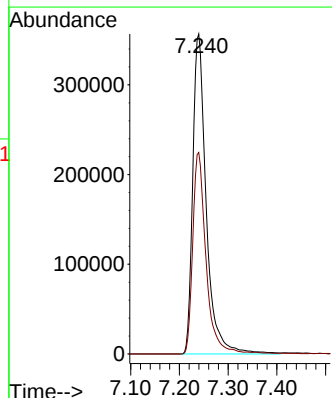
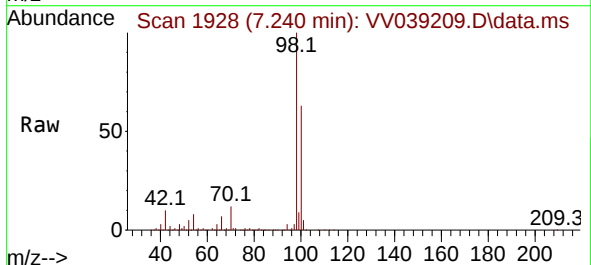
Acq: 26 Sep 2025 13:51

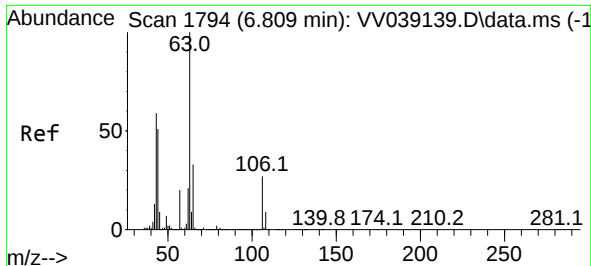
Tgt Ion: 98 Resp: 686292

Ion Ratio Lower Upper

98 100

100 61.9 52.2 78.2

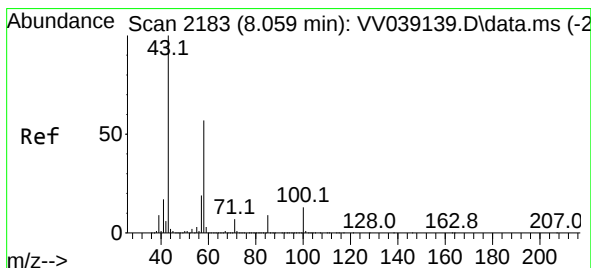
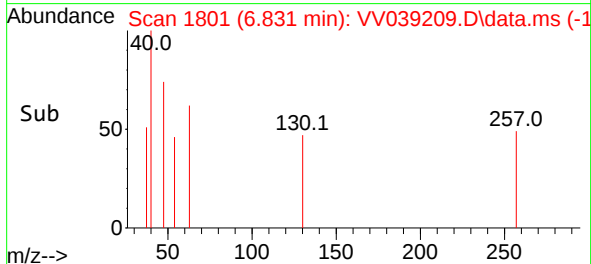
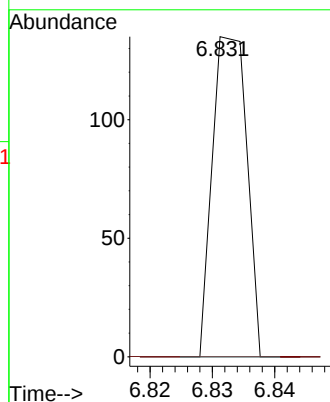
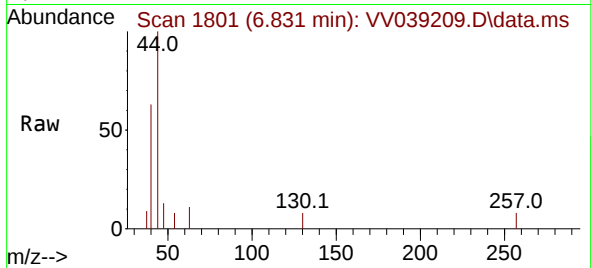




#58
2-Chloroethyl Vinyl ether
Concen: 9.635 ug/l
RT: 6.831 min Scan# 11
Delta R.T. 0.022 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

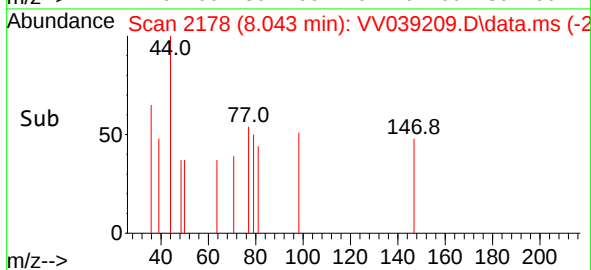
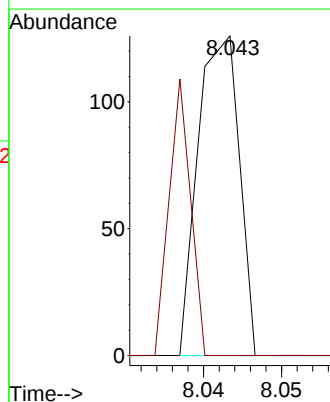
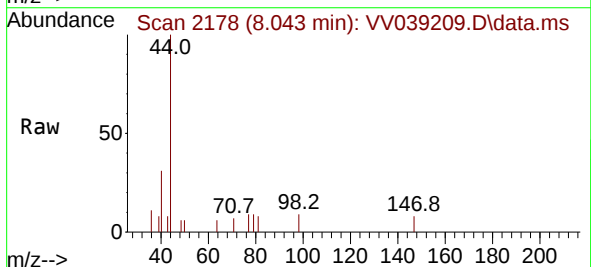
Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

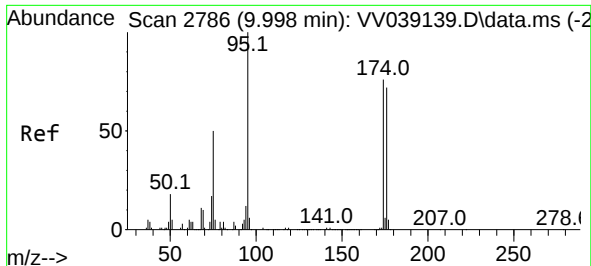
Tgt Ion: 63 Resp: 52
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 2.333 ug/l
RT: 8.043 min Scan# 2178
Delta R.T. -0.016 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
58 45.7 28.3 85.0

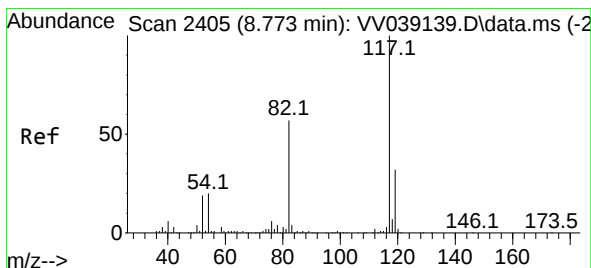
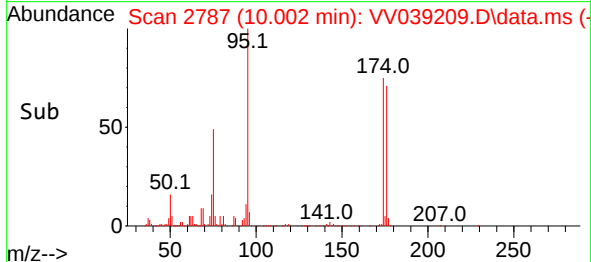
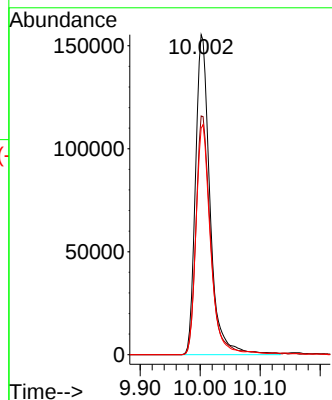
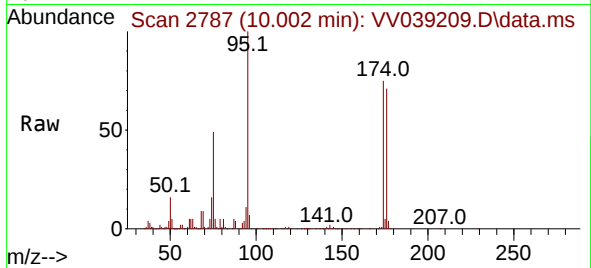




#62
4-Bromofluorobenzene
Concen: 43.765 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

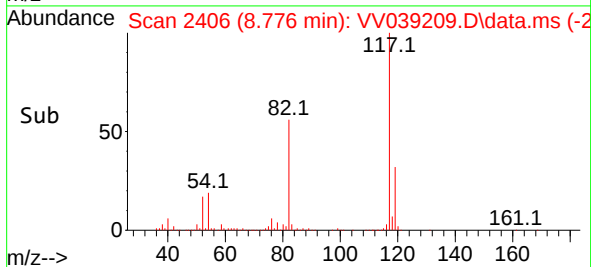
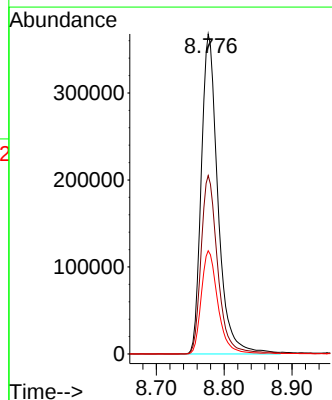
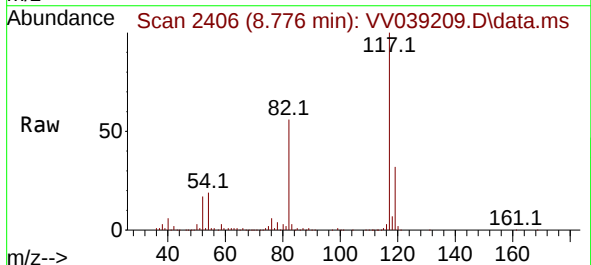
Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

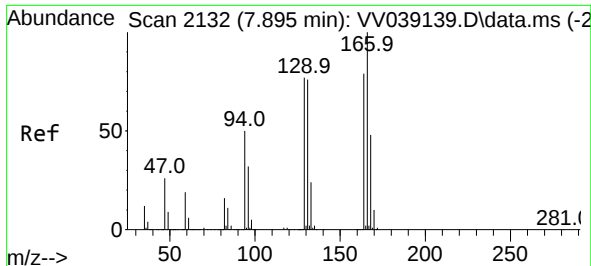
Tgt Ion: 95 Resp: 261604
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.4
176 71.3 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 117 Resp: 627934
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.2
119 32.3 25.6 38.4

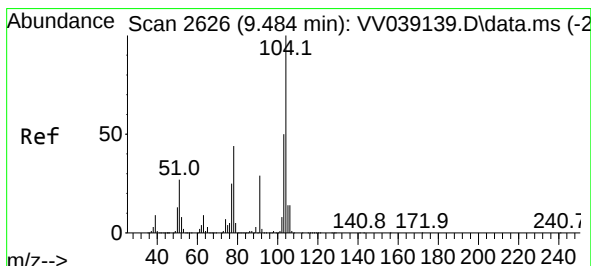
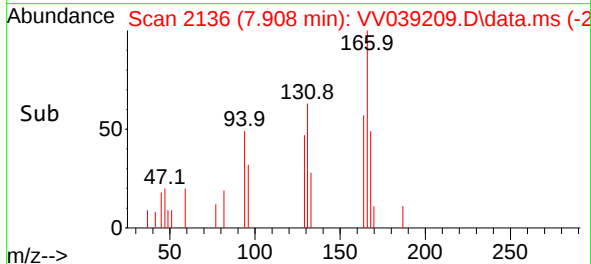
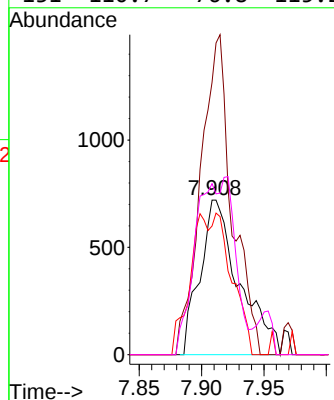
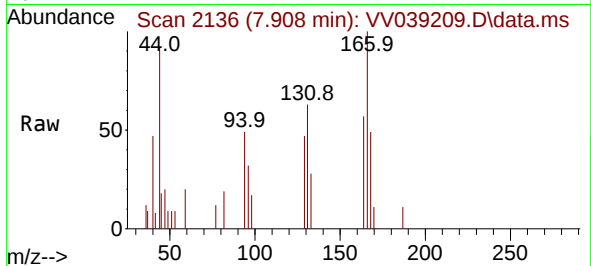




#64
Tetrachloroethene
Concen: 0.299 ug/l
RT: 7.908 min Scan# 2132
Delta R.T. 0.013 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

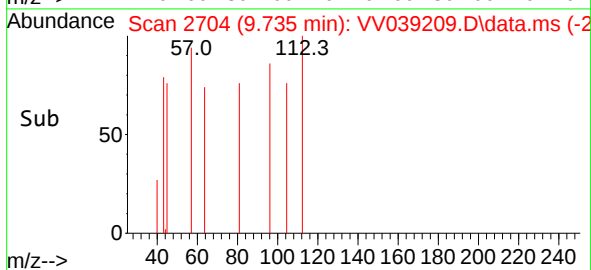
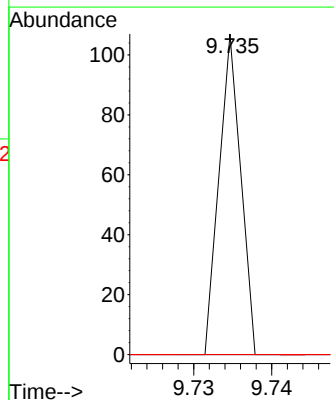
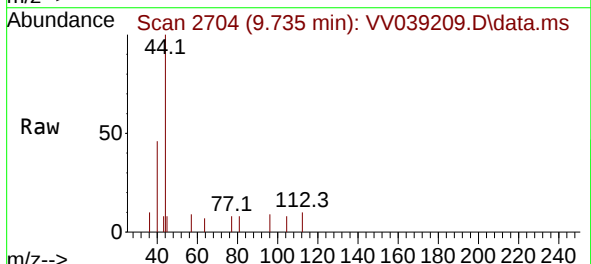
Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

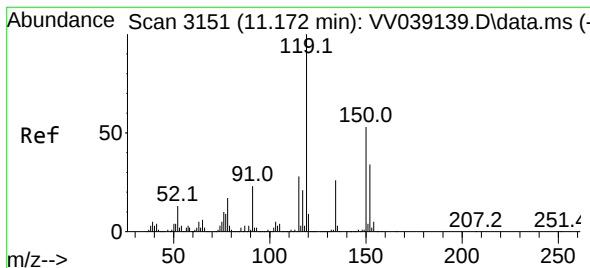
Tgt Ion:164 Resp: 1575
Ion Ratio Lower Upper
164 100
166 176.3 101.6 152.4#
129 83.2 78.5 117.7
131 110.7 76.8 115.2



#70
Styrene
Concen: 1.563 ug/l
RT: 9.735 min Scan# 2704
Delta R.T. 0.251 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion:104 Resp: 21
Ion Ratio Lower Upper
104 100
78 0.0 39.8 59.6#
103 0.0 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3151

Delta R.T. 0.003 min

Lab File: VV039209.D

Acq: 26 Sep 2025 13:51

Instrument :

MSVOA_V

ClientSampleId :

MW-19D-092225

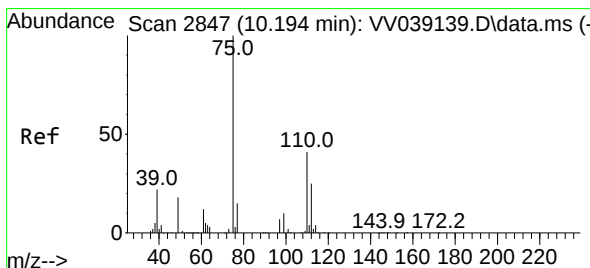
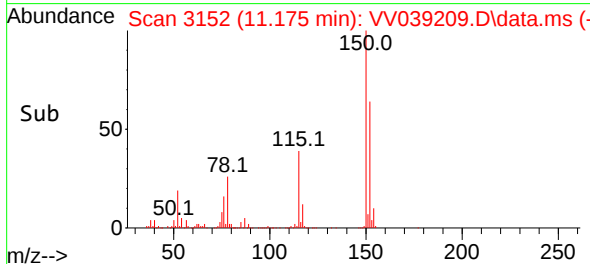
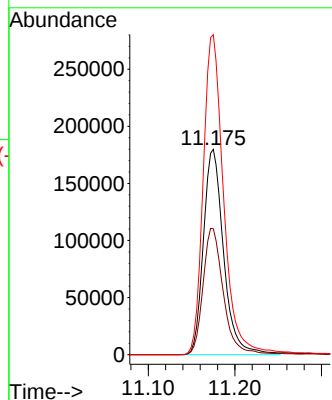
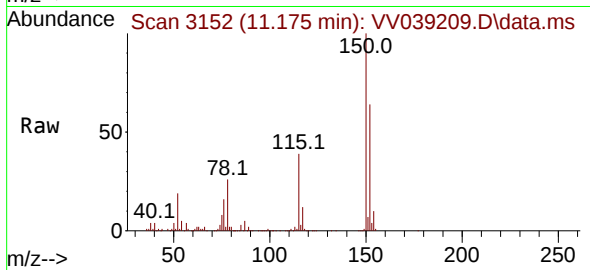
Tgt Ion:152 Resp: 291769

Ion Ratio Lower Upper

152 100

115 61.9 44.8 134.4

150 159.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.221 ug/l

RT: 10.002 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039209.D

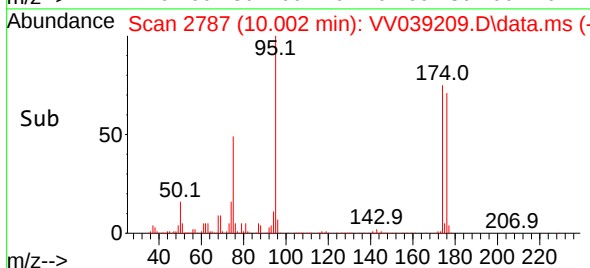
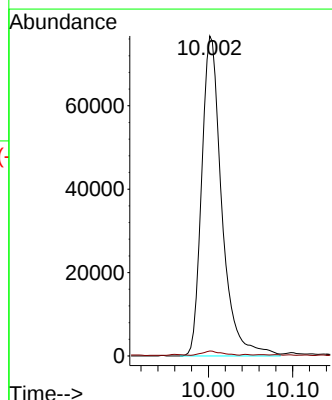
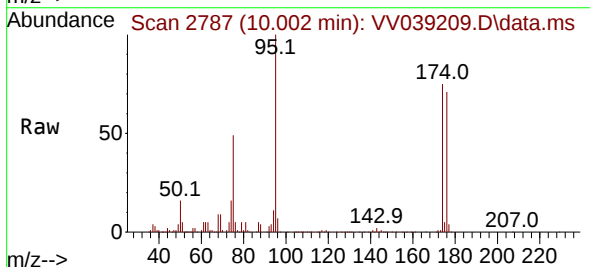
Acq: 26 Sep 2025 13:51

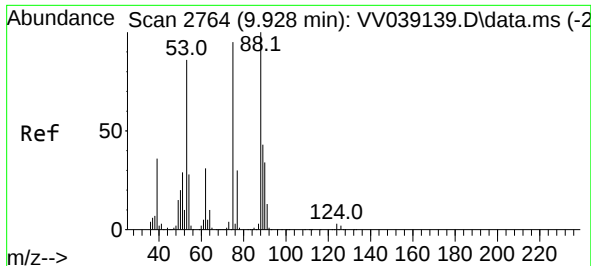
Tgt Ion: 75 Resp: 127689

Ion Ratio Lower Upper

75 100

77 1.2 11.3 33.8#

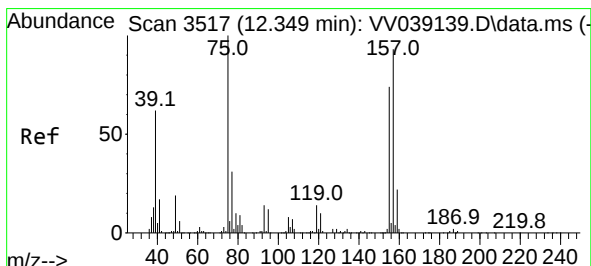
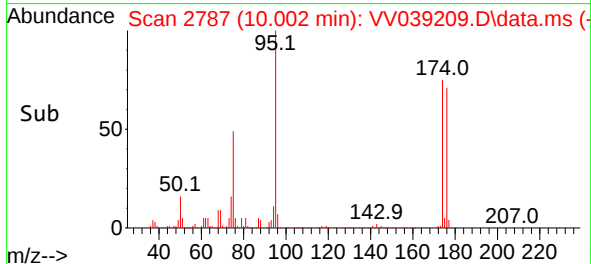
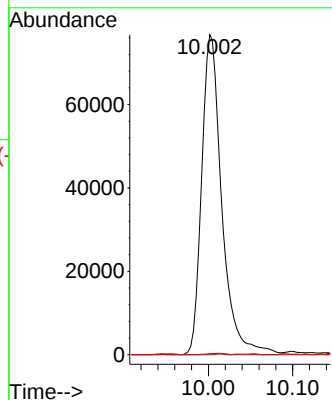
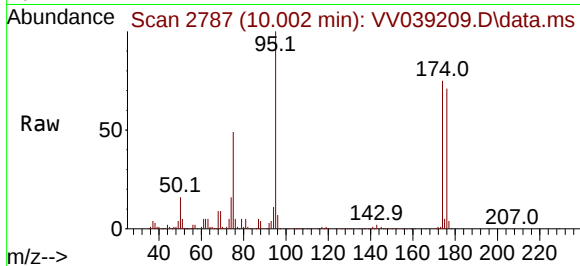




#81
trans-1,4-Dichloro-2-butene
Concen: 46.144 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Instrument :
MSVOA_V
ClientSampleId :
MW-19D-092225

Tgt Ion: 75 Resp: 127689
Ion Ratio Lower Upper
75 100
53 0.3 72.5 108.7#
89 0.1 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.323 min Scan# 3509
Delta R.T. -0.026 min
Lab File: VV039209.D
Acq: 26 Sep 2025 13:51

Tgt Ion: 75 Resp: 70
Ion Ratio Lower Upper
75 100
155 0.0 38.6 115.8#
157 0.0 49.5 148.3#

