

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039210.D
 Acq On : 26 Sep 2025 14:13
 Operator : SY/MD
 Sample : Q3195-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-19M-092325

Quant Time: Sep 27 02:56:24 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)

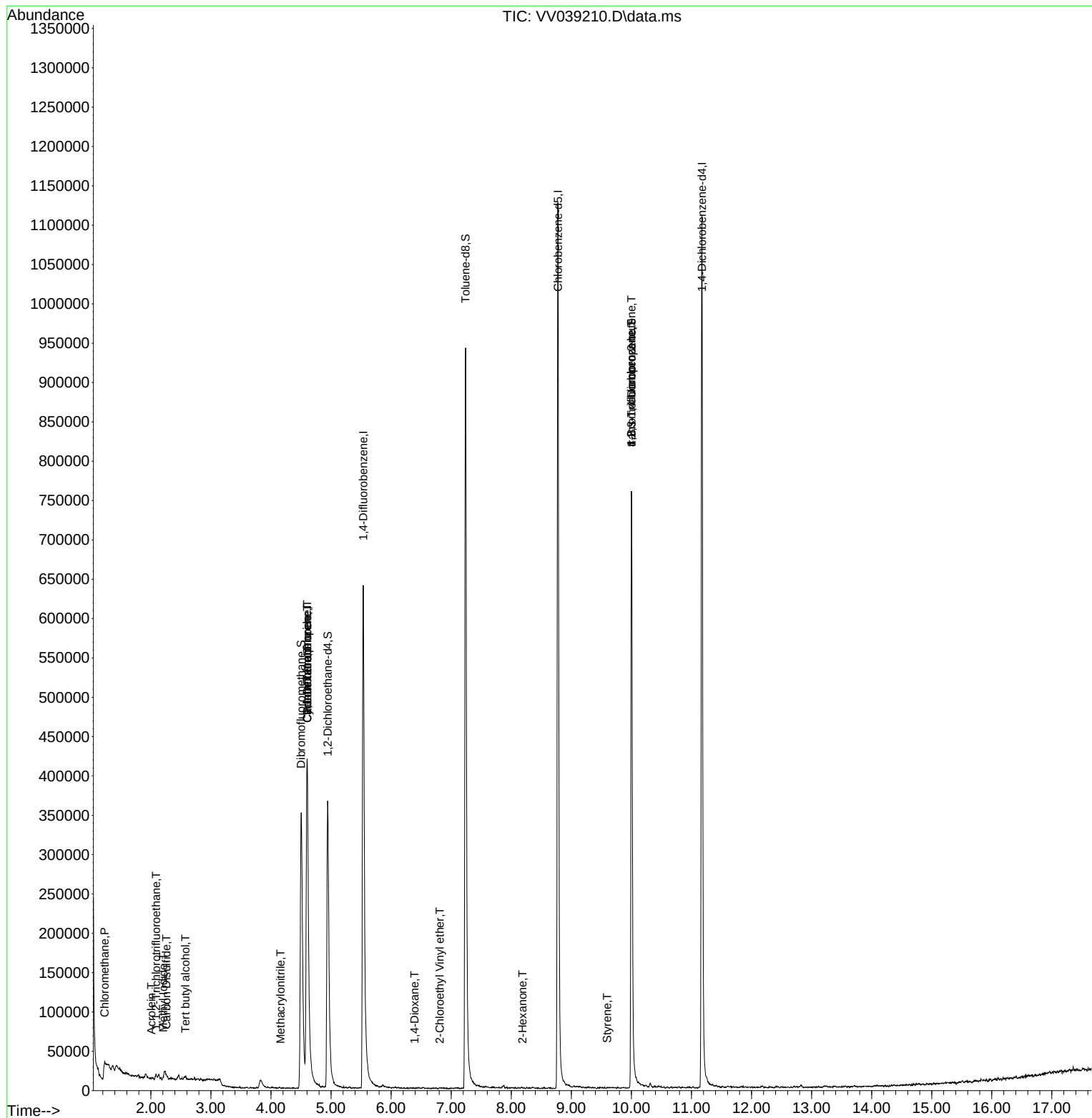
Internal Standards						
1) Pentafluorobenzene	4.603	168	348105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	639098	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	643573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	305861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	317196	62.959	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 125.920%#	
35) Dibromofluoromethane	4.503	113	295601	57.534	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 115.060%	
50) Toluene-d8	7.239	98	700315	46.410	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 92.820%	
62) 4-Bromofluorobenzene	10.001	95	266839	42.955	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 85.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.230	50	1838	0.311	ug/l	90
6) Chloroethane	1.606	64	779	Below Cal	#	56
9) 1,1,2-Trichlorotrifluo...	2.088	101	1254	0.230	ug/l	91
10) Methyl Iodide	2.207	142	1321	0.254	ug/l	# 69
11) Tert butyl alcohol	2.574	59	354	0.332	ug/l	# 1
13) Acrolein	2.008	56	107	0.579	ug/l	# 23
16) Acetone	2.133	43	6268	Below Cal		97
17) Carbon Disulfide	2.256	76	3227	0.201	ug/l	96
20) Methylene Chloride	2.458	84	2519	Below Cal	#	92
31) Cyclohexane	4.606	56	7428	0.827	ug/l	# 1
36) 1,1-Dichloropropene	4.603	75	31110	4.005	ug/l	# 45
38) Carbon Tetrachloride	4.606	117	38929	4.101	ug/l	# 16
41) Methacrylonitrile	4.159	41	19	1.915	ug/l	# 1
49) 1,4-Dioxane	6.387	88	20	0.213	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	6.812	63	321	9.693	ug/l	# 47
59) 2-Hexanone	8.188	43	125	2.344	ug/l	97
70) Styrene	9.596	104	45	1.564	ug/l	# 1
76) 1,2,3-Trichloropropane	10.001	75	128005	18.381	ug/l	# 56
81) trans-1,4-Dichloro-2-b...	10.001	75	128005	44.127	ug/l	# 13
92) 1,2-Dibromo-3-Chloropr...	12.355	75	48	Below Cal	#	5

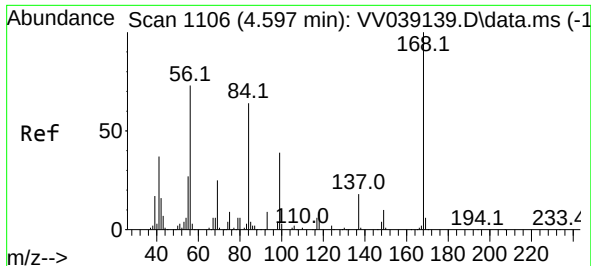
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 24 08:08:08 2025
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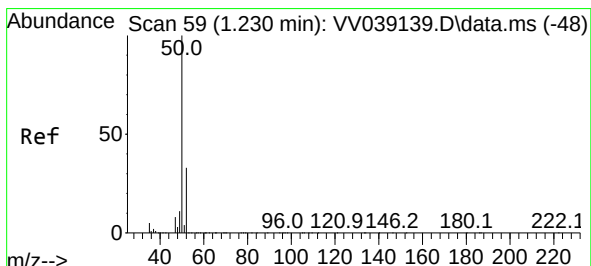
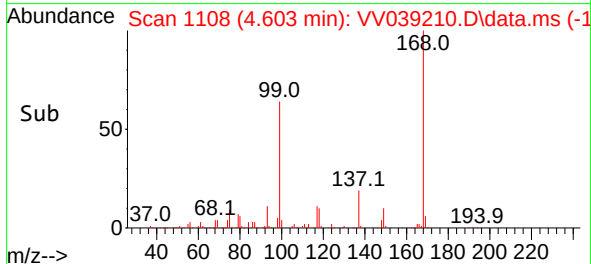
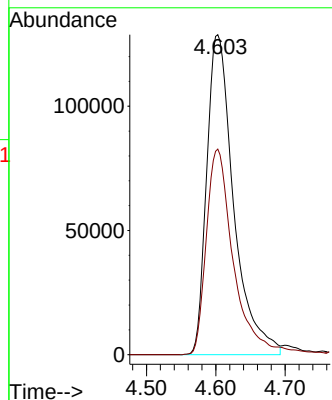
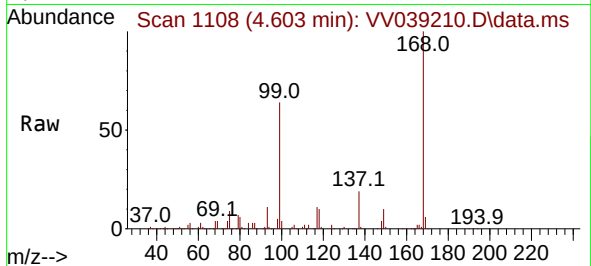




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

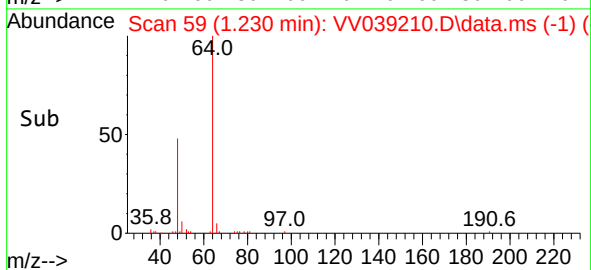
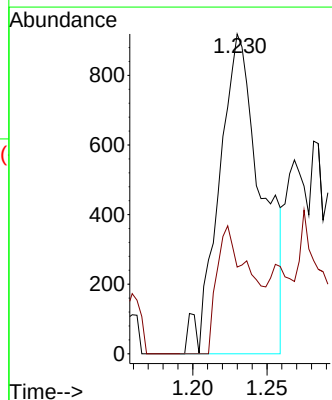
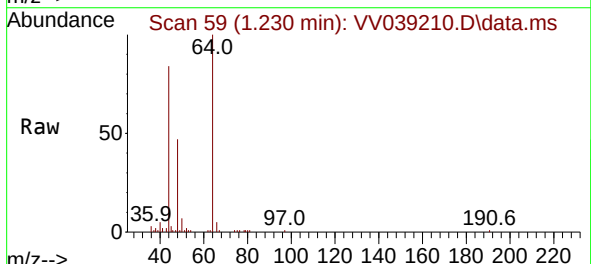
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

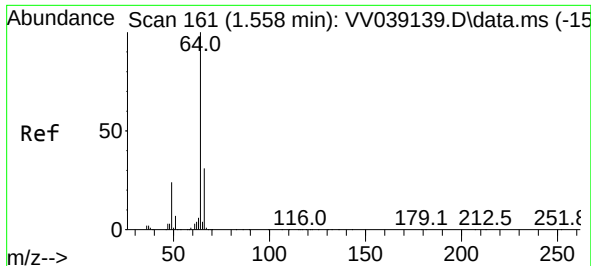
Tgt Ion:168 Resp: 348105
Ion Ratio Lower Upper
168 100
99 64.2 49.6 74.4



#3
Chloromethane
Concen: 0.311 ug/l
RT: 1.230 min Scan# 59
Delta R.T. -0.000 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 50 Resp: 1838
Ion Ratio Lower Upper
50 100
52 27.1 26.0 39.0

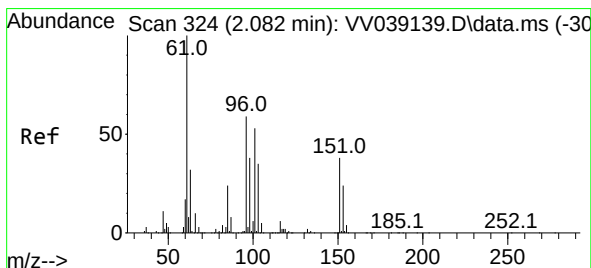
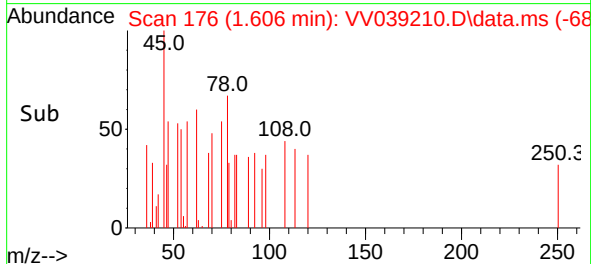
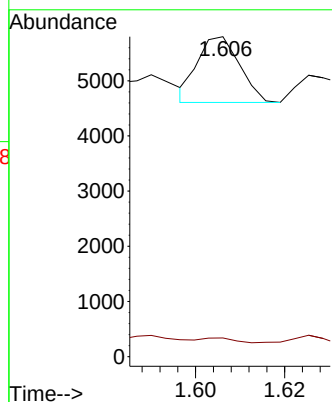
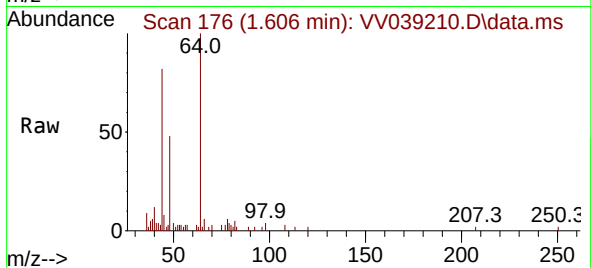




#6
Chloroethane
Concen: Below Cal
RT: 1.606 min Scan# 11
Delta R.T. 0.048 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

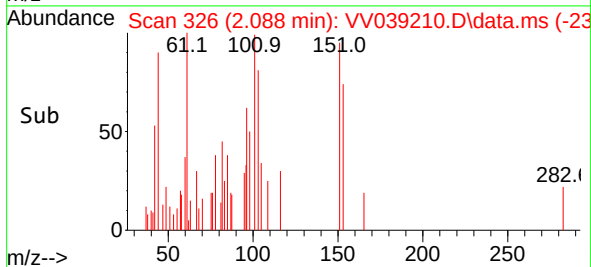
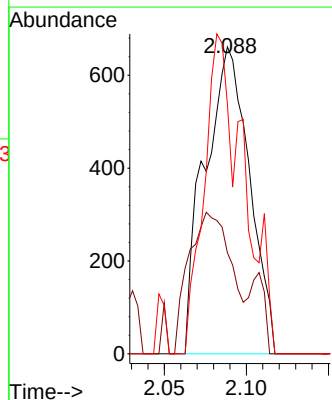
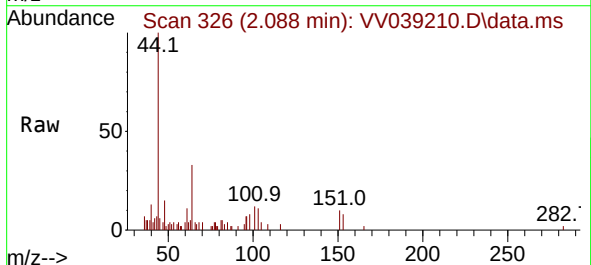
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MSVOA_V
ClientSampleId :
MW-19M-092325

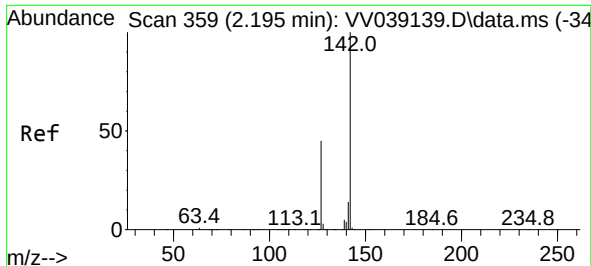
Tgt Ion: 64 Resp: 779
Ion Ratio Lower Upper
64 100
66 6.5 24.6 36.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.230 ug/l
RT: 2.088 min Scan# 326
Delta R.T. 0.006 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion:101 Resp: 1254
Ion Ratio Lower Upper
101 100
85 43.9 36.2 54.2
151 59.7 56.3 84.5

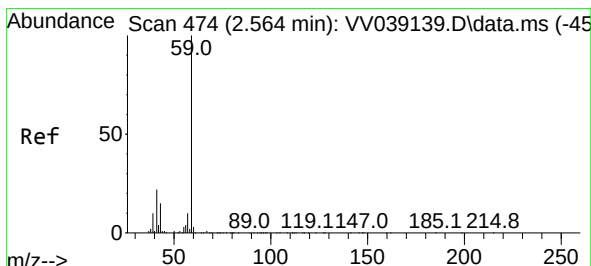
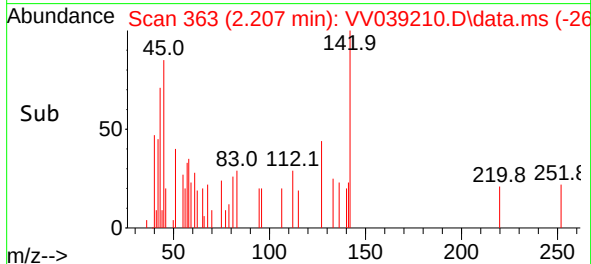
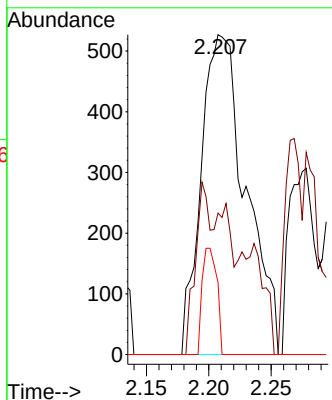
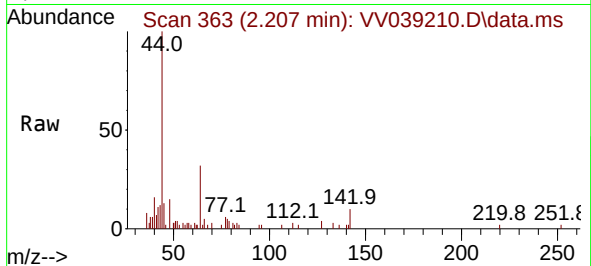




#10
Methyl Iodide
Concen: 0.254 ug/l
RT: 2.207 min Scan# 30
Delta R.T. 0.013 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

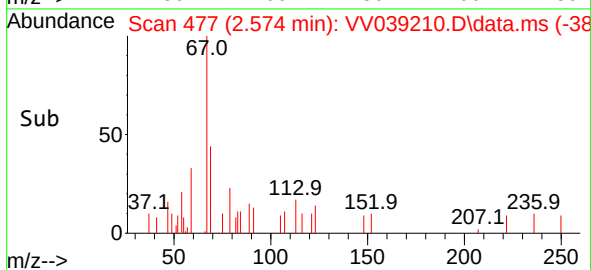
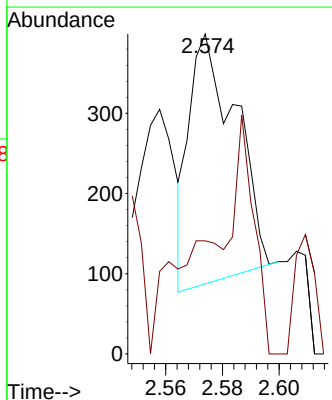
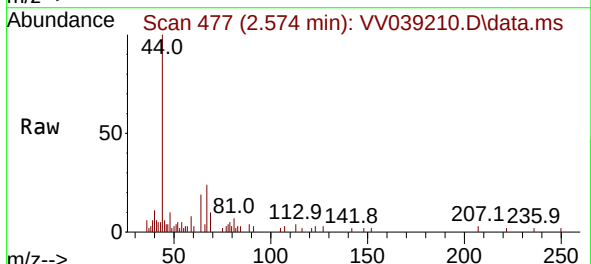
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

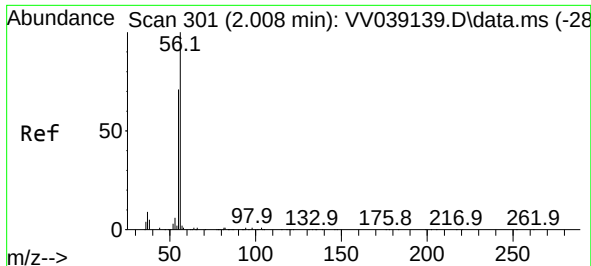
Tgt Ion:142 Resp: 1321
Ion Ratio Lower Upper
142 100
127 20.1 36.3 54.5#
141 10.8 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.009 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 53.7 7.8 11.8#

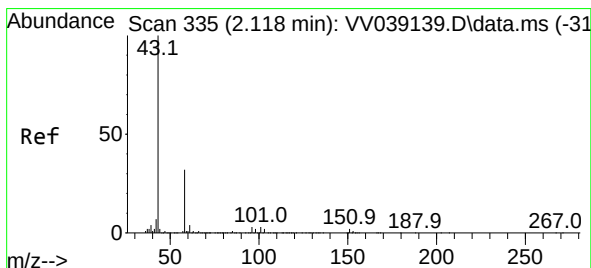
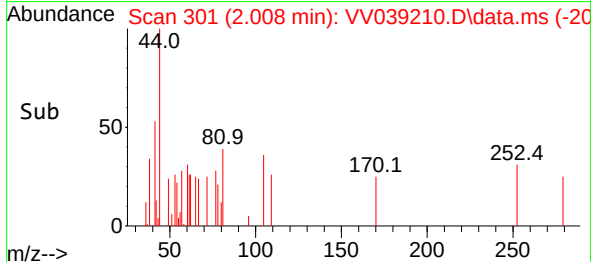
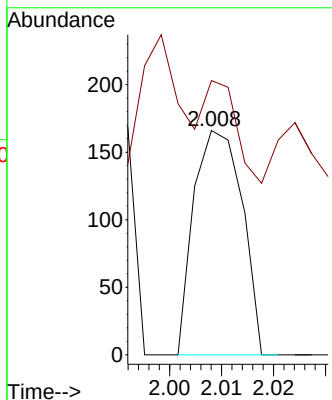
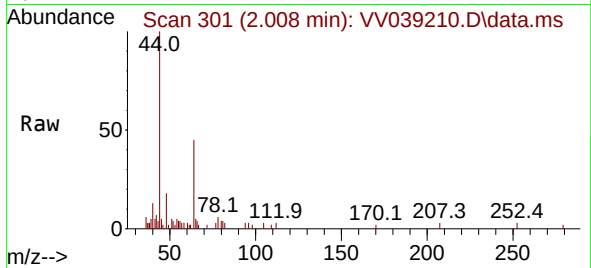




#13
Acrolein
Concen: 0.579 ug/l
RT: 2.008 min Scan# 301
Delta R.T. -0.000 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

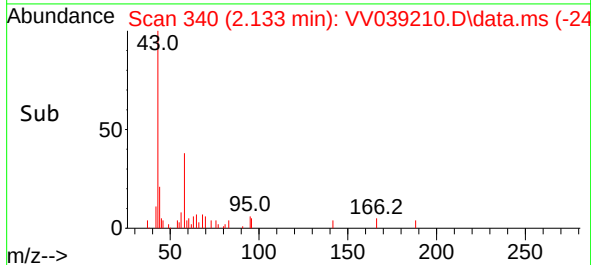
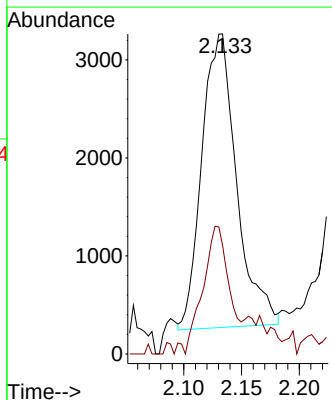
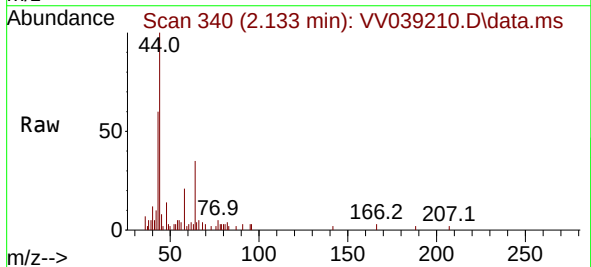
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

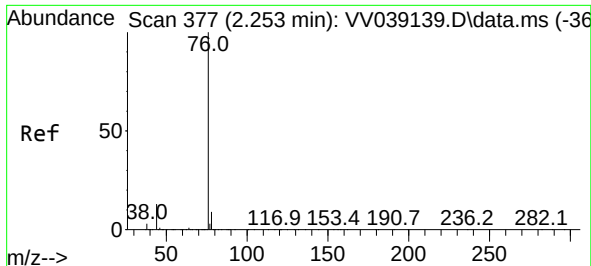
Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 133.6 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.133 min Scan# 340
Delta R.T. 0.015 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 43 Resp: 6268
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.6

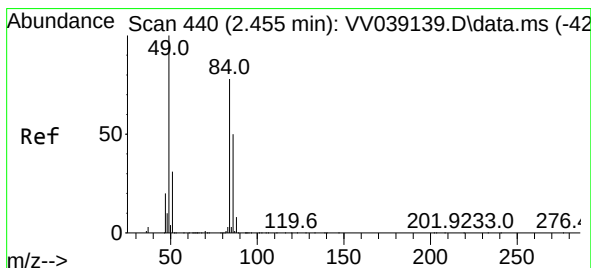
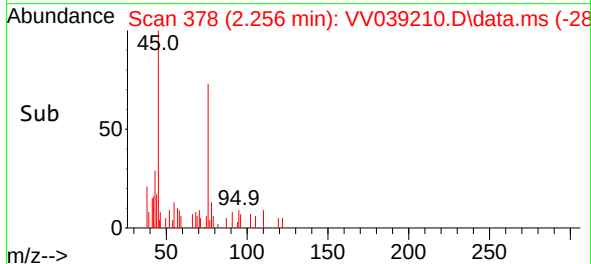
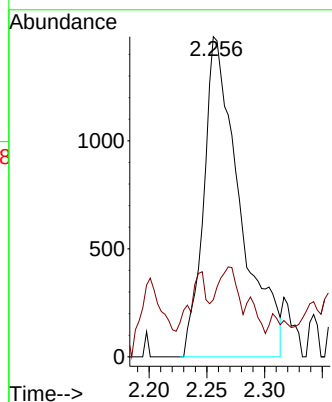
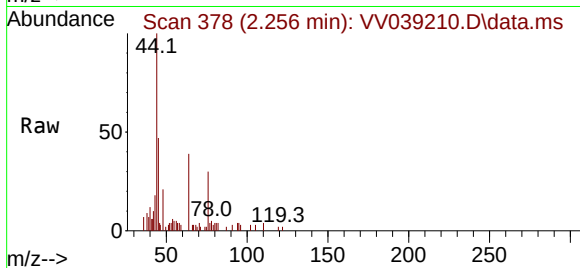




#17
Carbon Disulfide
Concen: 0.201 ug/l
RT: 2.256 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

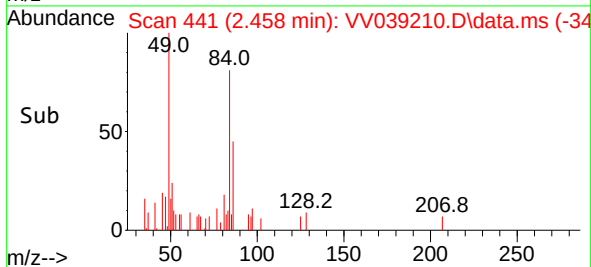
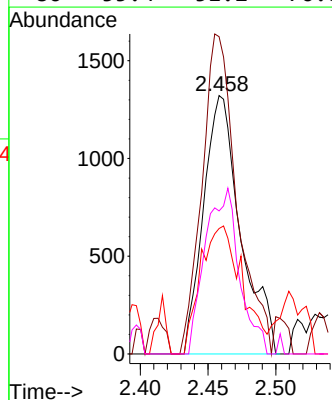
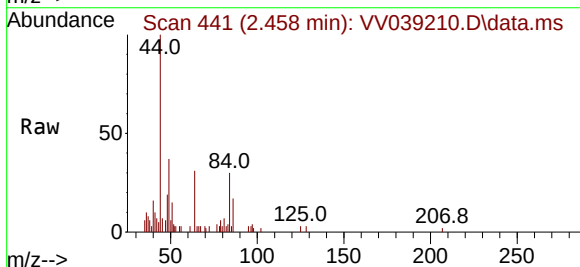
Instrument :
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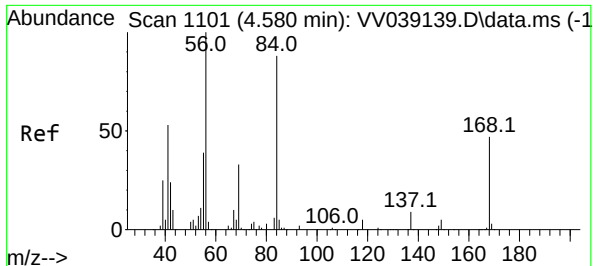
Tgt Ion: 76 Resp: 3227
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 84 Resp: 2519
Ion Ratio Lower Upper
84 100
49 122.8 102.8 154.2
51 48.6 31.9 47.9#
86 55.4 51.2 76.8

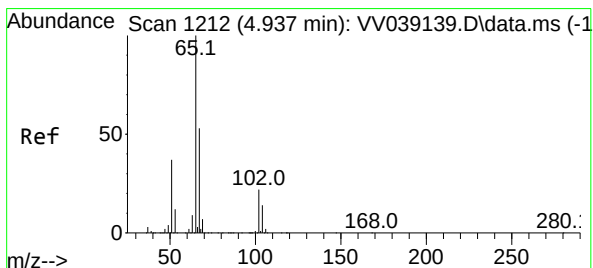
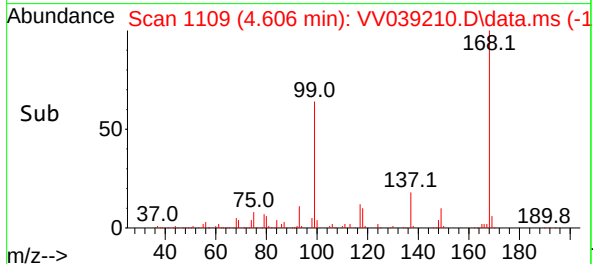
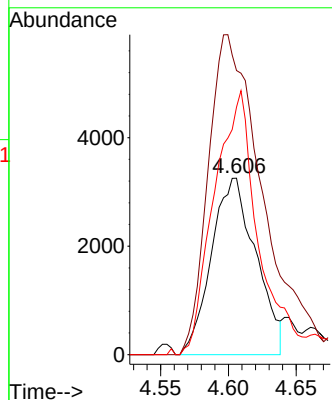
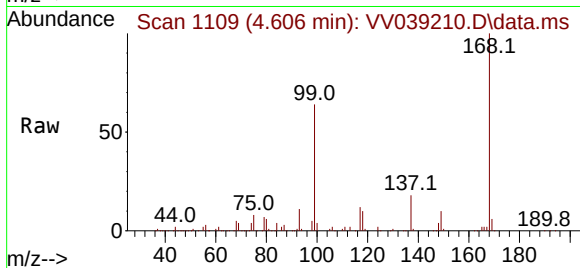




#31
Cyclohexane
Concen: 0.827 ug/l
RT: 4.606 min Scan# 1101
Delta R.T. 0.026 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

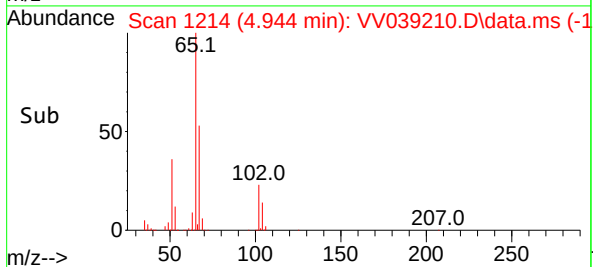
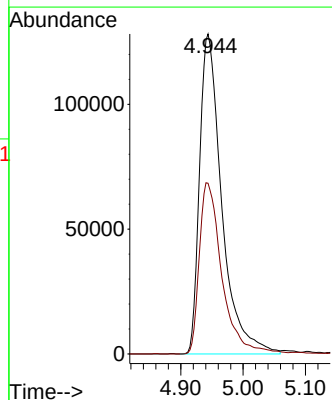
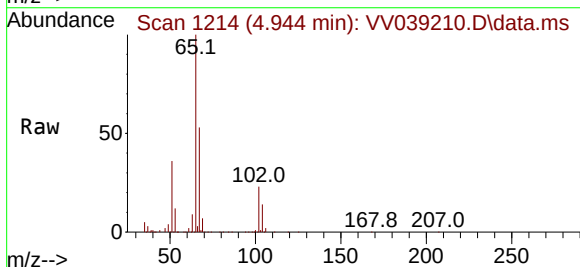
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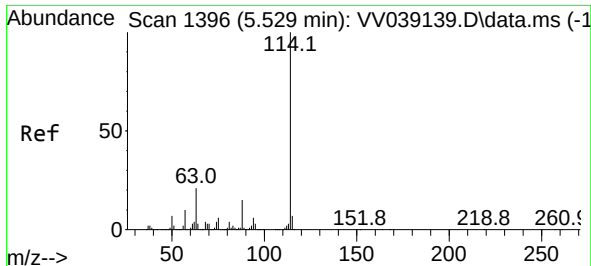
Tgt Ion: 56 Resp: 7428
Ion Ratio Lower Upper
56 100
69 161.0 26.2 39.2#
84 140.3 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 62.959 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 65 Resp: 317196
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039210.D

Acq: 26 Sep 2025 14:13

Instrument :

MSVOA_V

ClientSampleId :

MW-19M-092325

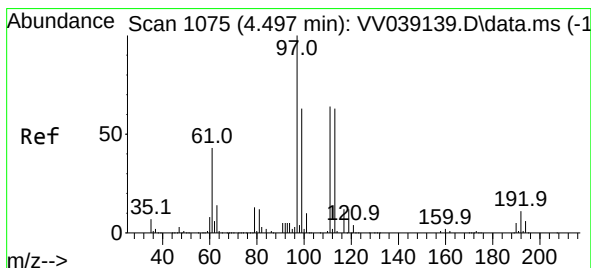
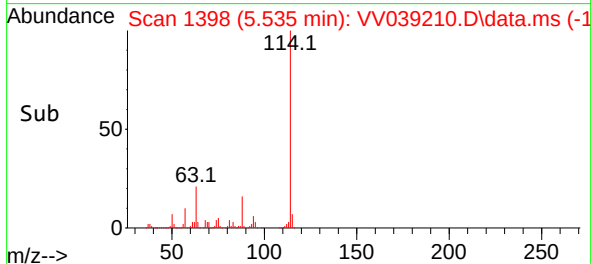
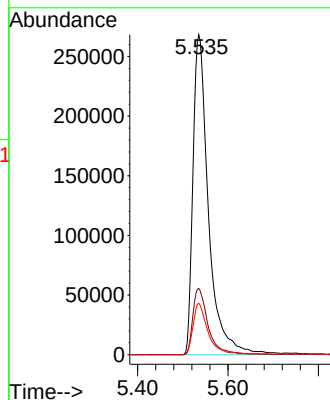
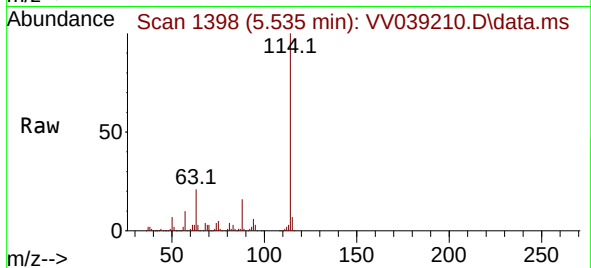
Tgt Ion:114 Resp: 639098

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

88 16.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 57.534 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039210.D

Acq: 26 Sep 2025 14:13

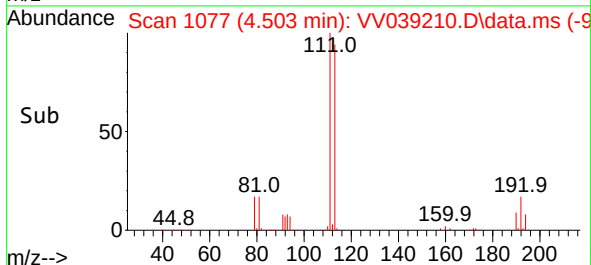
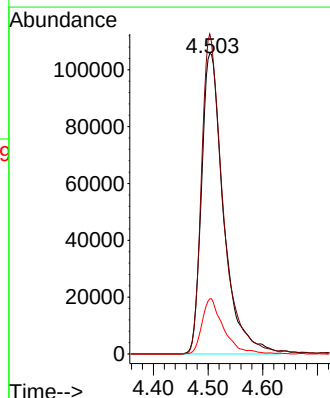
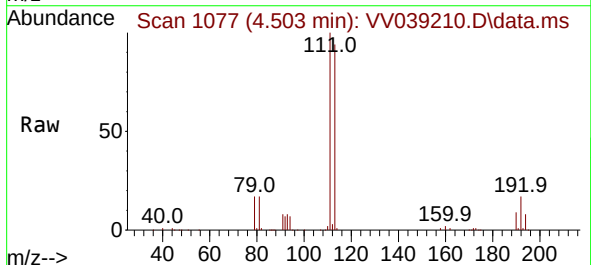
Tgt Ion:113 Resp: 295601

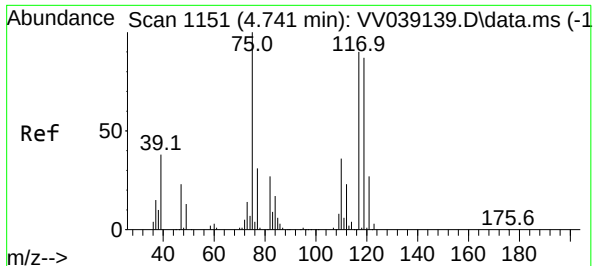
Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 17.9 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.005 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.138 min

Lab File: VV039210.D

Acq: 26 Sep 2025 14:13

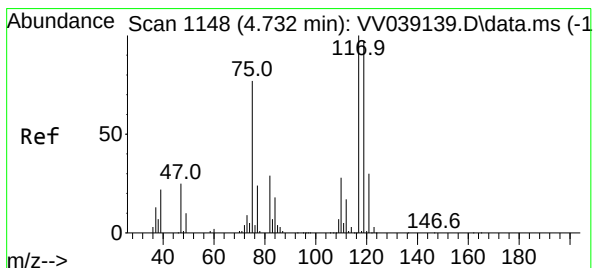
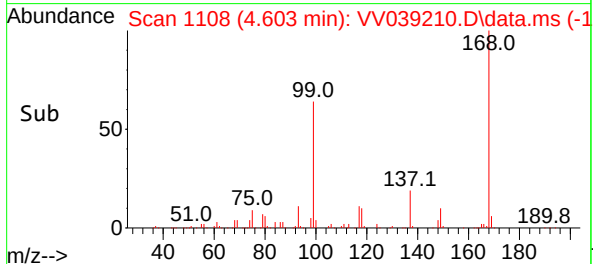
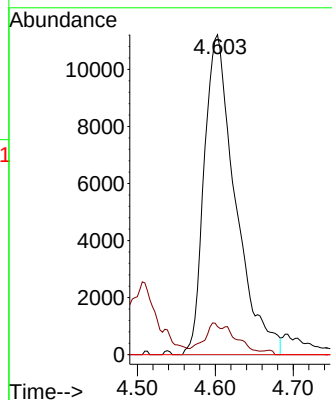
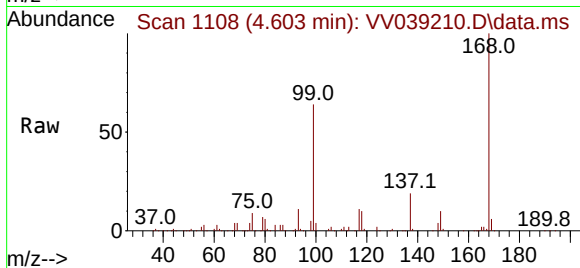
Instrument :

MSVOA_V

ClientSampleId :

MW-19M-092325

Tgt Ion:	75	Resp:	31110
Ion	Ratio	Lower	Upper
75	100		
110	3.9	18.1	54.1#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 4.101 ug/l

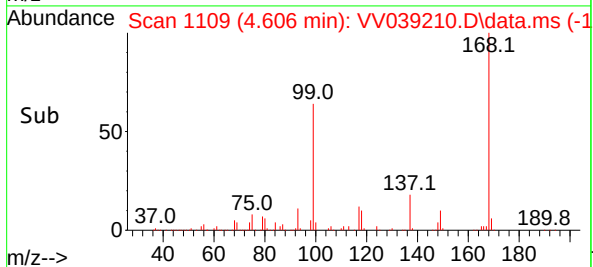
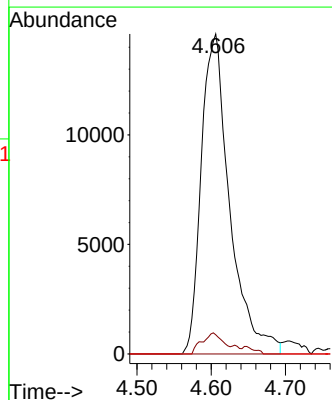
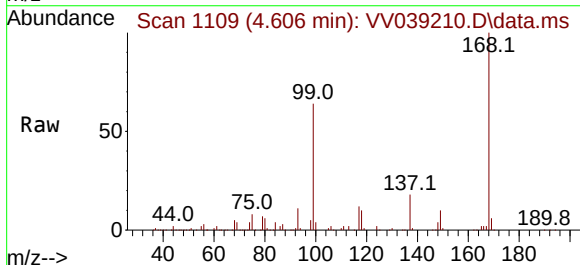
RT: 4.606 min Scan# 1109

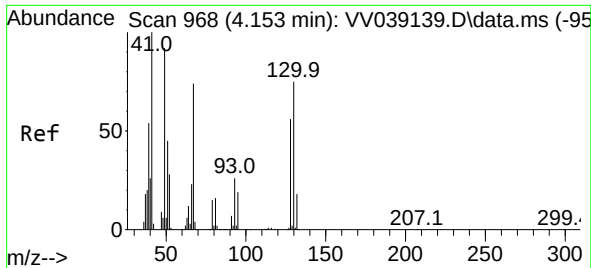
Delta R.T. -0.126 min

Lab File: VV039210.D

Acq: 26 Sep 2025 14:13

Tgt Ion:	117	Resp:	38929
Ion	Ratio	Lower	Upper
117	100		
119	6.0	77.2	115.8#
121	0.0	24.2	36.2#

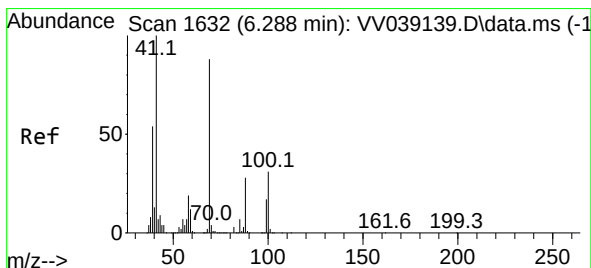
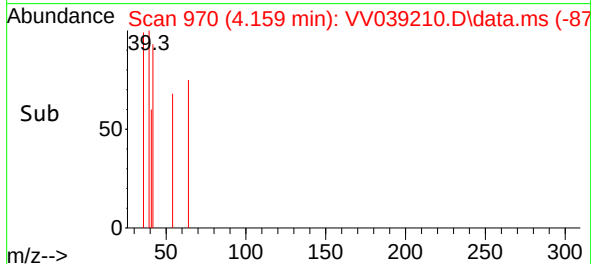
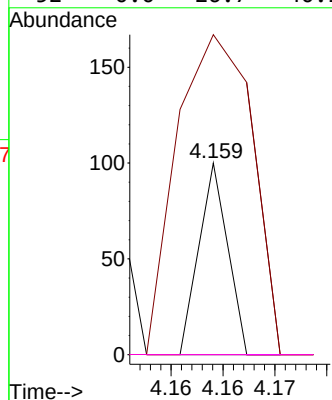
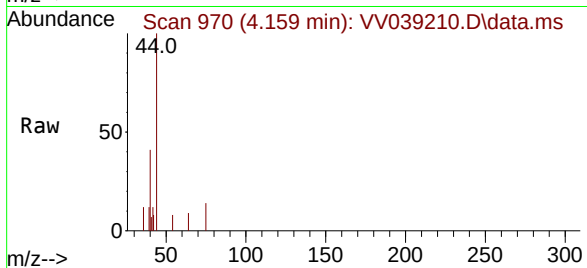




#41
Methacrylonitrile
Concen: 1.915 ug/l
RT: 4.159 min Scan# 91
Delta R.T. 0.006 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

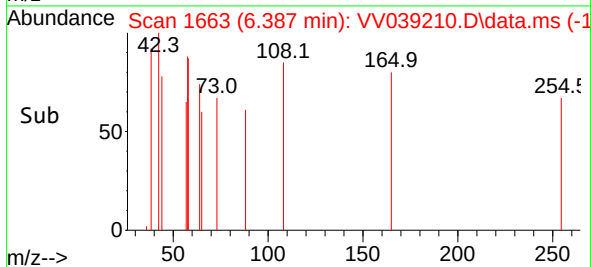
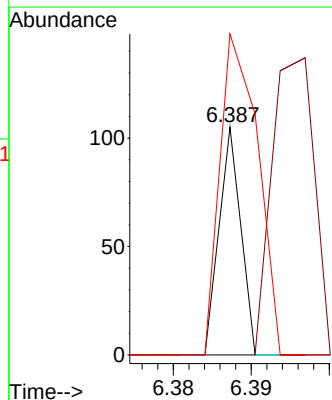
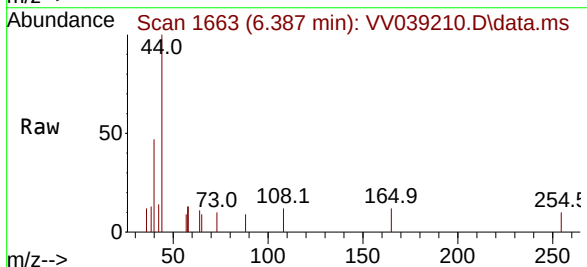
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

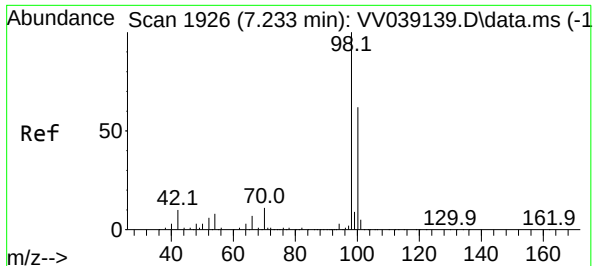
Tgt Ion:	41	Resp:	19
Ion	Ratio	Lower	Upper
41	100		
39	442.1	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#49
1,4-Dioxane
Concen: 0.213 ug/l
RT: 6.387 min Scan# 1663
Delta R.T. 0.100 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	260.0	25.1	37.7#
58	250.0	53.6	80.4#





#50

Toluene-d8

Concen: 46.410 ug/l

RT: 7.239 min Scan# 1926

Delta R.T. 0.006 min

Lab File: VV039210.D

Acq: 26 Sep 2025 14:13

Instrument :

MSVOA_V

ClientSampleId :

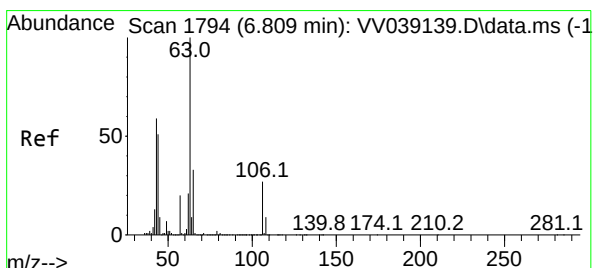
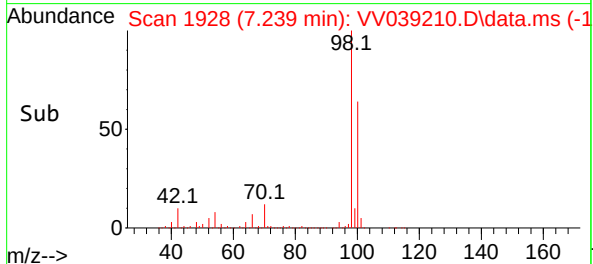
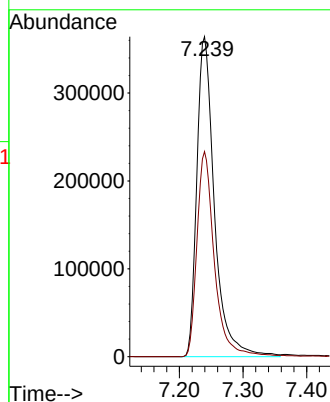
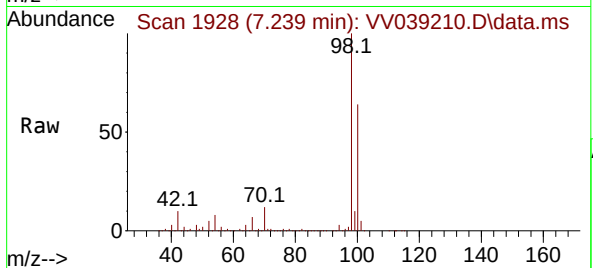
MW-19M-092325

Tgt Ion: 98 Resp: 700315

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



#58

2-Chloroethyl Vinyl ether

Concen: 9.693 ug/l

RT: 6.812 min Scan# 1795

Delta R.T. 0.003 min

Lab File: VV039210.D

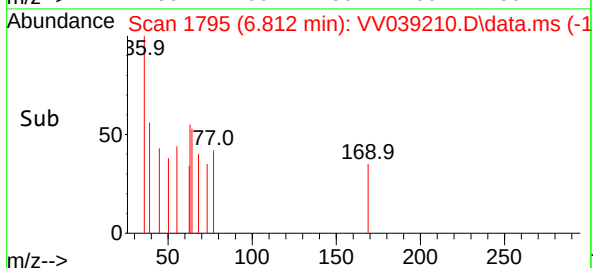
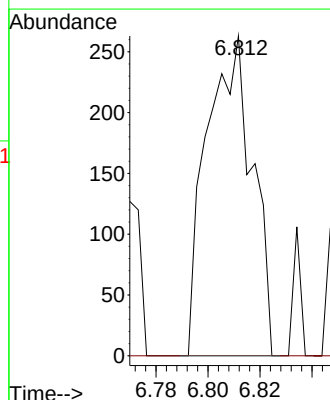
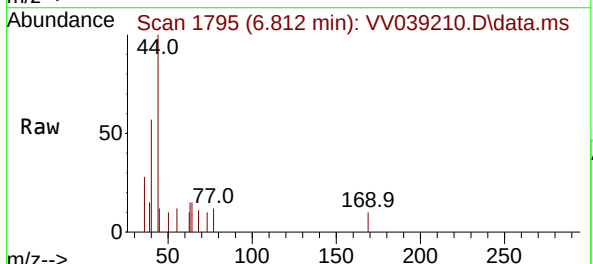
Acq: 26 Sep 2025 14:13

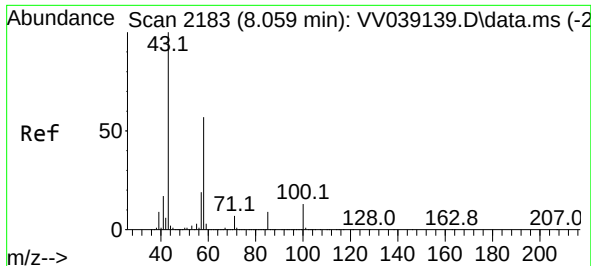
Tgt Ion: 63 Resp: 321

Ion Ratio Lower Upper

63 100

106 0.0 22.1 33.1#

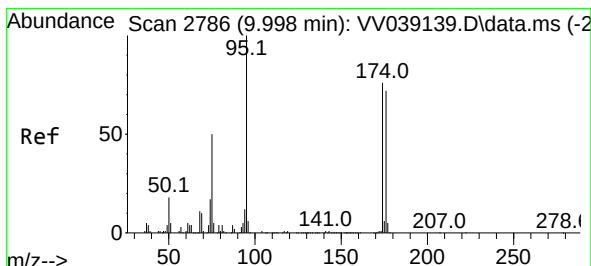
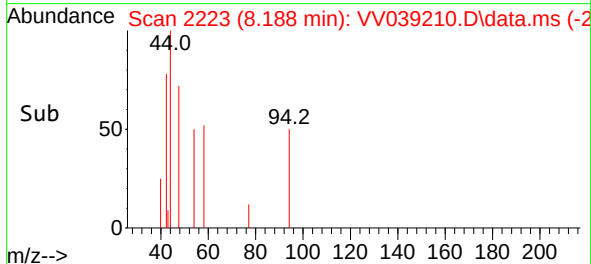
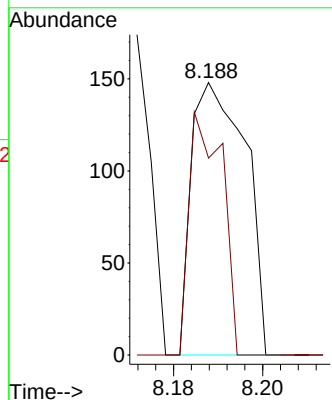
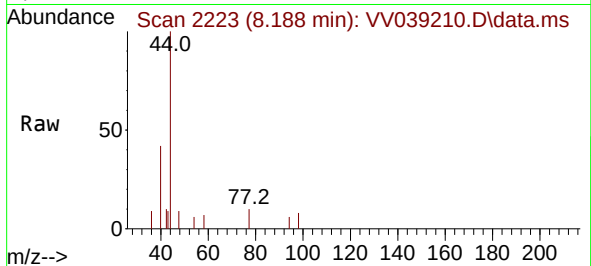




#59
2-Hexanone
Concen: 2.344 ug/l
RT: 8.188 min Scan# 2183
Delta R.T. 0.129 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

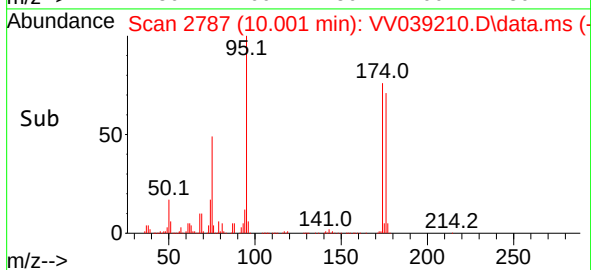
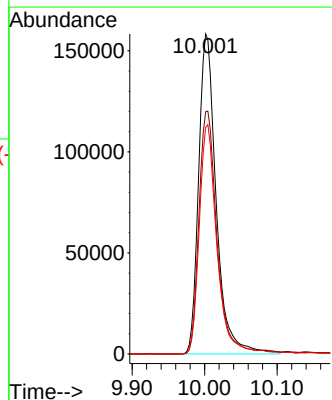
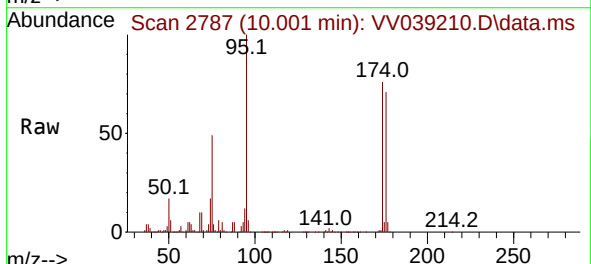
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

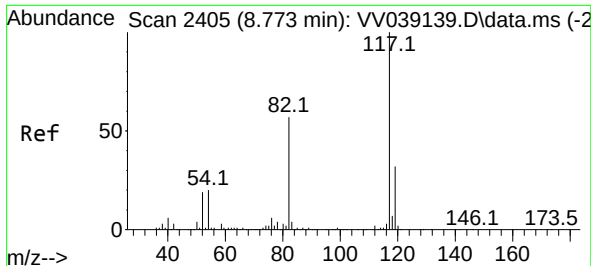
Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
58 54.4 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 42.955 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion: 95 Resp: 266839
Ion Ratio Lower Upper
95 100
174 77.4 0.0 150.4
176 71.0 0.0 144.2

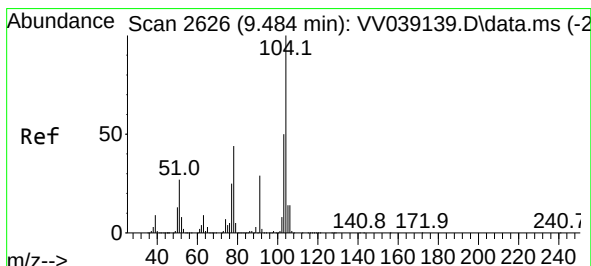
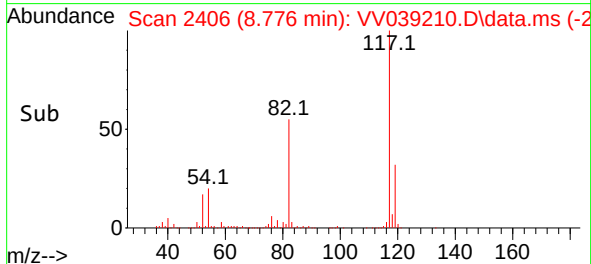
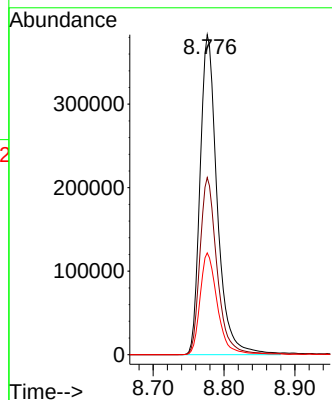
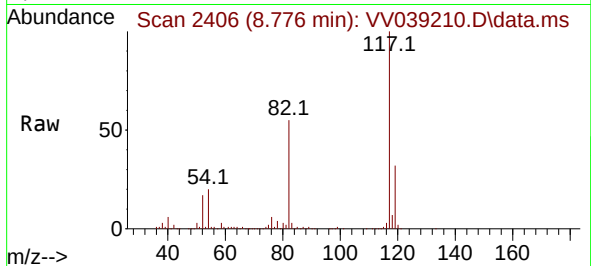




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

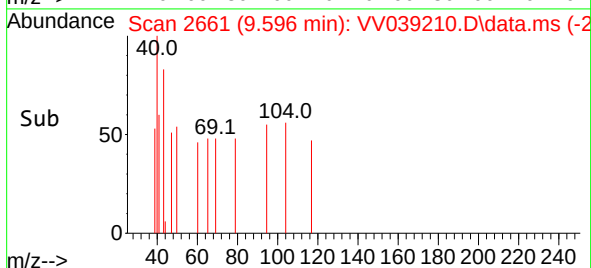
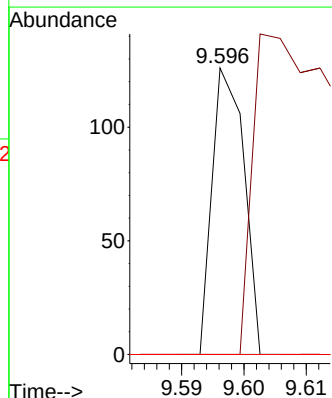
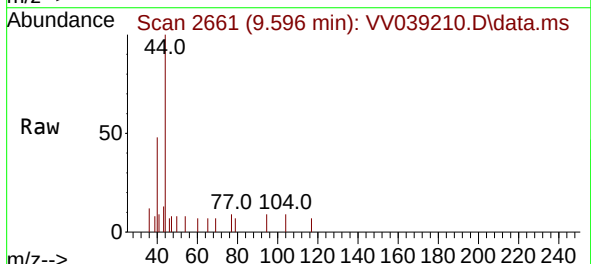
Instrument :
MSVOA_V
ClientSampleId :
MW-19M-092325

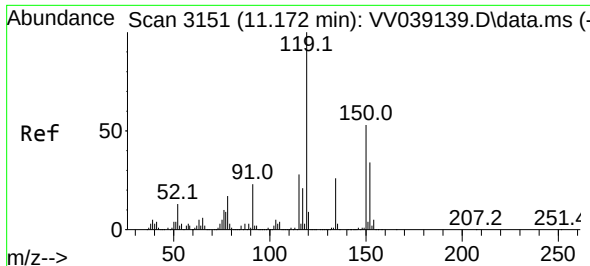
Tgt Ion:117 Resp: 643573
Ion Ratio Lower Upper
117 100
82 55.3 45.4 68.2
119 31.8 25.6 38.4



#70
Styrene
Concen: 1.564 ug/l
RT: 9.596 min Scan# 2661
Delta R.T. 0.112 min
Lab File: VV039210.D
Acq: 26 Sep 2025 14:13

Tgt Ion:104 Resp: 45
Ion Ratio Lower Upper
104 100
78 275.6 39.8 59.6#
103 0.0 43.4 65.2#

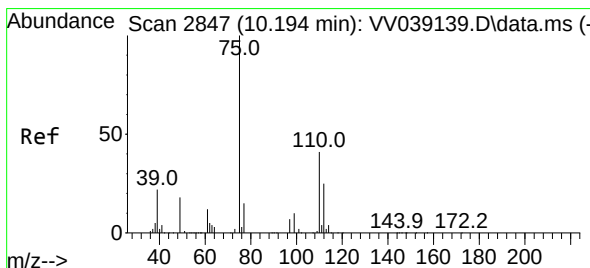
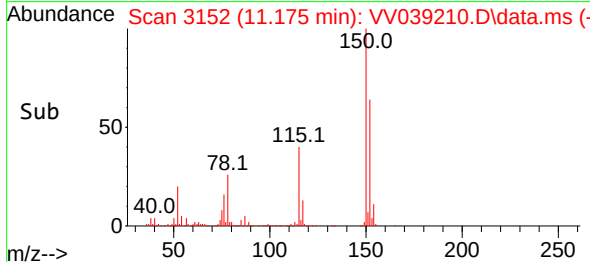
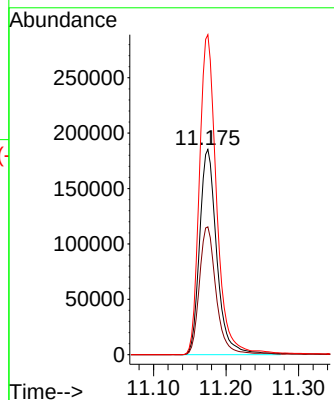
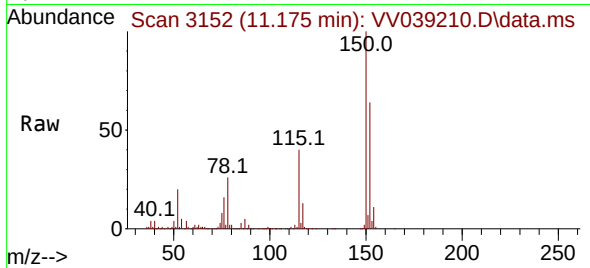




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 3151
 Delta R.T. 0.003 min
 Lab File: VV039210.D
 Acq: 26 Sep 2025 14:13

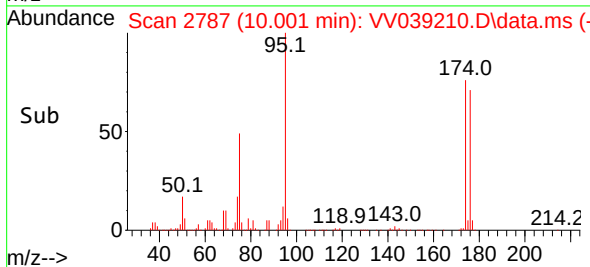
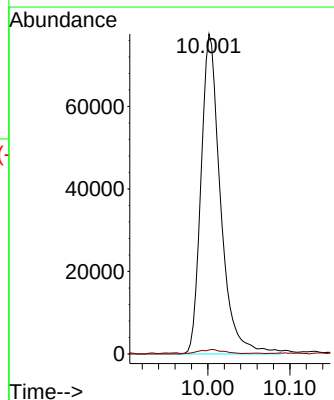
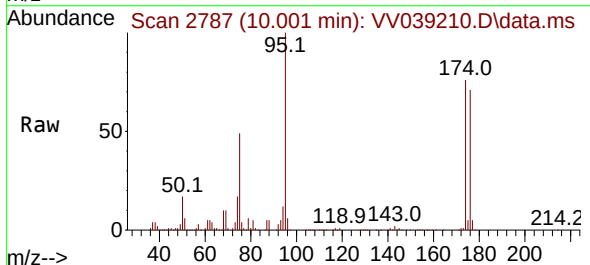
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-19M-092325

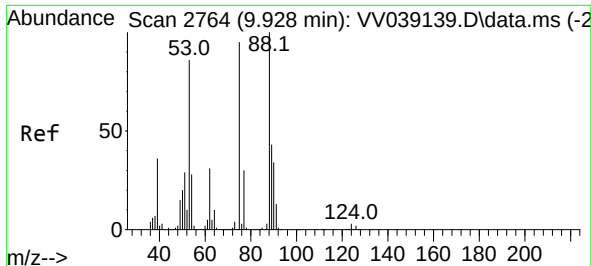
Tgt Ion:152 Resp: 305861
 Ion Ratio Lower Upper
 152 100
 115 60.4 44.8 134.4
 150 156.5 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 18.381 ug/l
 RT: 10.001 min Scan# 2787
 Delta R.T. -0.193 min
 Lab File: VV039210.D
 Acq: 26 Sep 2025 14:13

Tgt Ion: 75 Resp: 128005
 Ion Ratio Lower Upper
 75 100
 77 1.6 11.3 33.8#

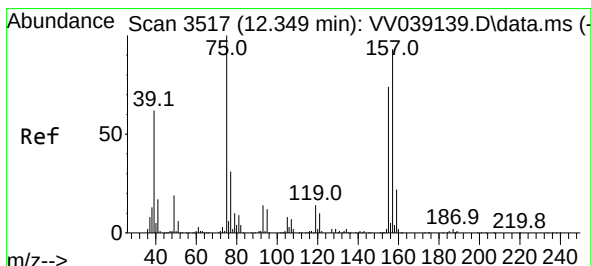
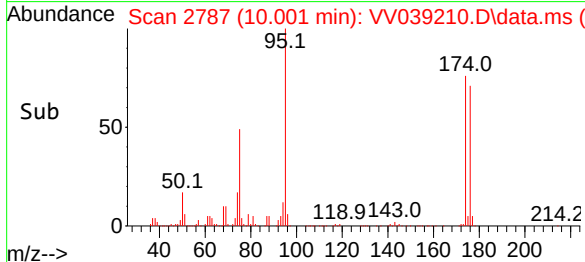
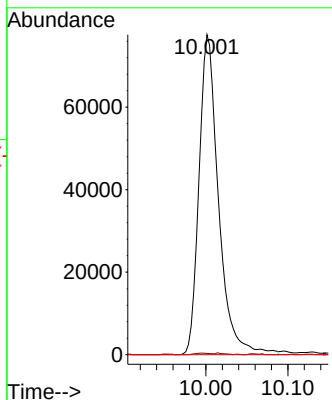
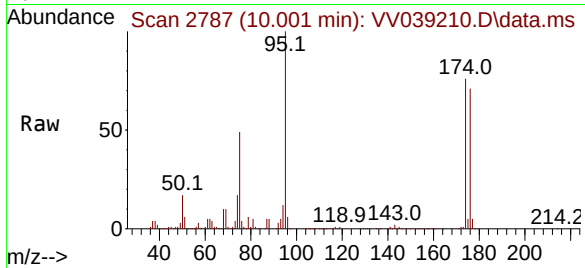




#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.127 ug/l
 RT: 10.001 min Scan# 21
 Delta R.T. 0.074 min
 Lab File: VV039210.D
 Acq: 26 Sep 2025 14:13

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-19M-092325

Tgt Ion: 75 Resp: 128005
 Ion Ratio Lower Upper
 75 100
 53 0.4 72.5 108.7#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 12.355 min Scan# 3519
 Delta R.T. 0.006 min
 Lab File: VV039210.D
 Acq: 26 Sep 2025 14:13

Tgt Ion: 75 Resp: 48
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

