

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039204.D
 Acq On : 26 Sep 2025 11:58
 Operator : SY/MD
 Sample : Q3195-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-26-091925

Quant Time: Sep 27 02:53:15 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

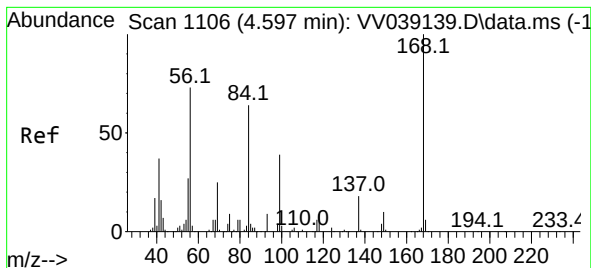
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	4.603	168	486629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	867427	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	873266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	420754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	394452	56.006	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 112.020%			
35) Dibromofluoromethane	4.503	113	367761	52.738	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 105.480%			
50) Toluene-d8	7.240	98	962872	47.013	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 94.020%			
62) 4-Bromofluorobenzene	10.002	95	378432	44.883	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 89.760%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.558	64	188	Below Cal	#	1
13) Acrolein	2.011	56	227	0.879	ug/l #	63
16) Acetone	2.124	43	6502	Below Cal	#	85
20) Methylene Chloride	2.455	84	2316	Below Cal	#	82
30) Chloroform	4.288	83	18760	1.172	ug/l	96
31) Cyclohexane	4.600	56	11315	0.901	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	43584	4.134	ug/l #	47
38) Carbon Tetrachloride	4.600	117	50835	3.945	ug/l #	17
41) Methacrylonitrile	4.169	41	51	1.919	ug/l #	37
58) 2-Chloroethyl Vinyl ether	6.831	63	43	9.630	ug/l #	1
59) 2-Hexanone	7.947	43	43	2.330	ug/l	86
70) Styrene	9.522	104	88	1.565	ug/l #	60
76) 1,2,3-Trichloropropane	10.002	75	184052	19.212	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.002	75	184052	46.123	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.349	75	21	Below Cal	#	5

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

Quant Time: Sep 27 02:53:15 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

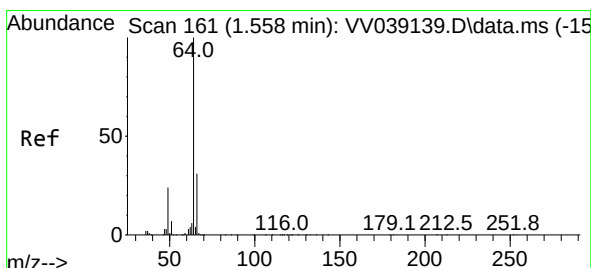
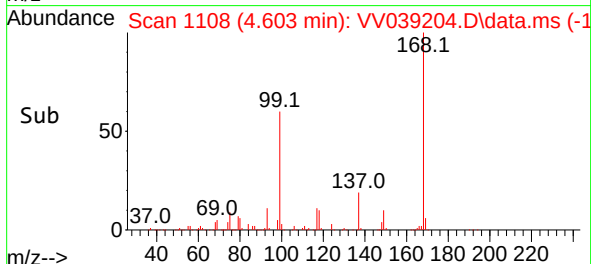
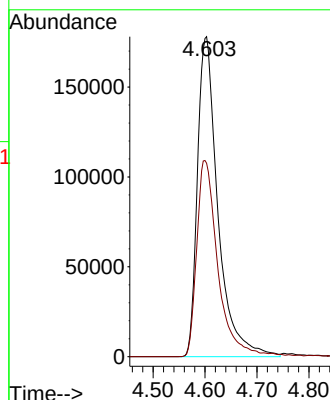
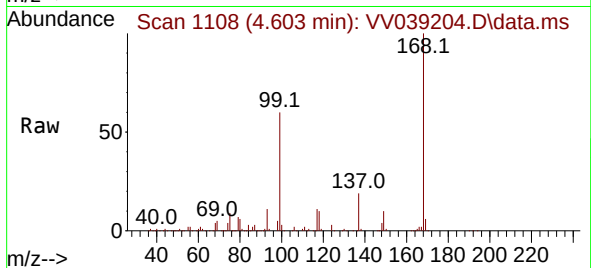




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.006 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

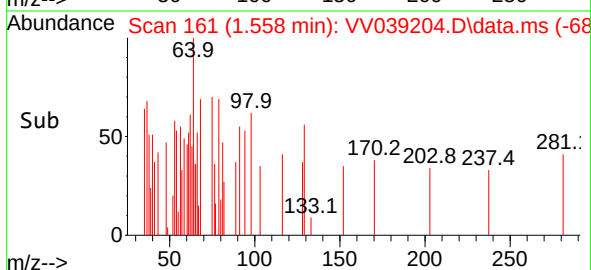
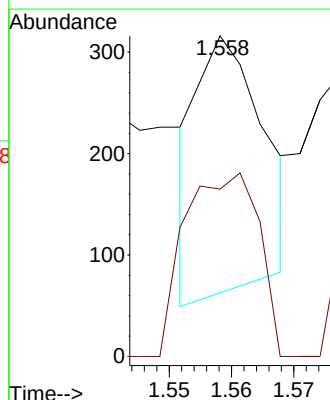
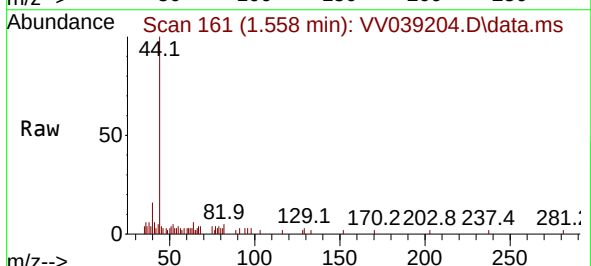
Instrument :
MSVOA_V
ClientSampleId :
MW-26-091925

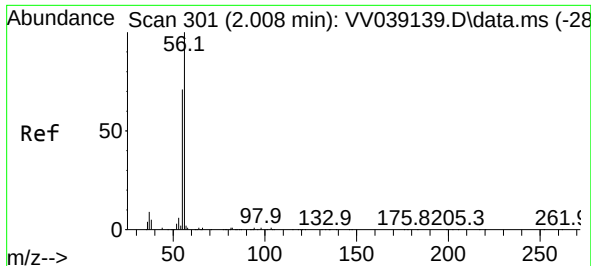
Tgt Ion:168 Resp: 486629
Ion Ratio Lower Upper
168 100
99 60.4 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.558 min Scan# 161
Delta R.T. 0.000 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 139.8 24.6 36.8#

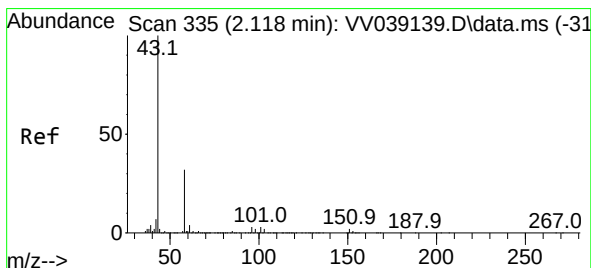
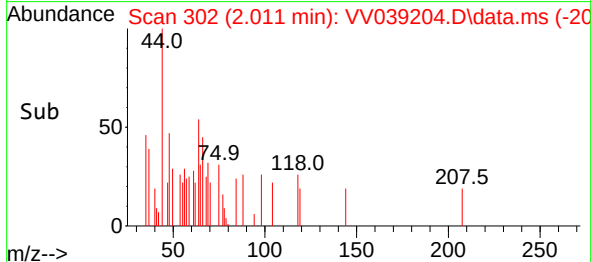
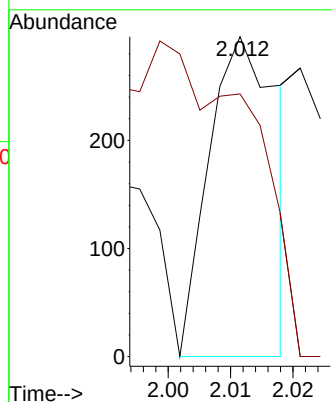
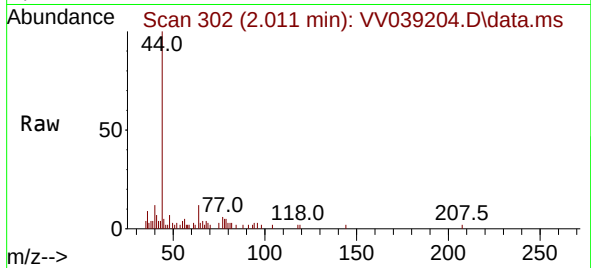




#13
Acrolein
Concen: 0.879 ug/l
RT: 2.011 min Scan# 301
Delta R.T. 0.003 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

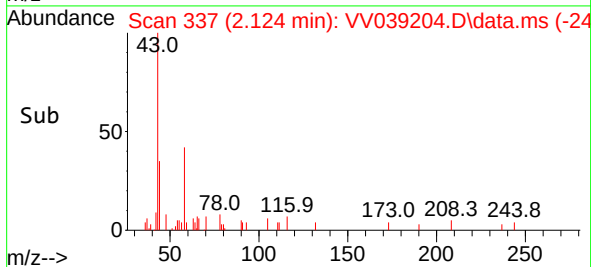
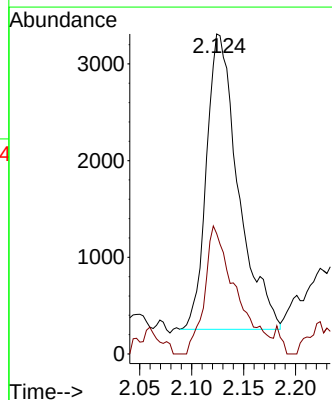
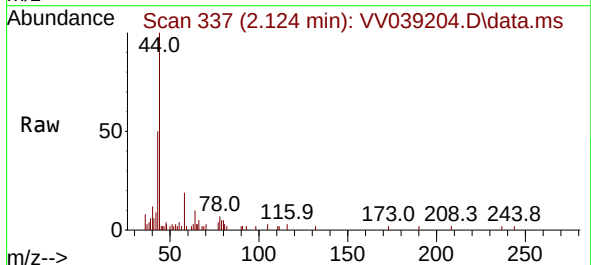
Instrument :
MSVOA_V
ClientSampleId :
MW-26-091925

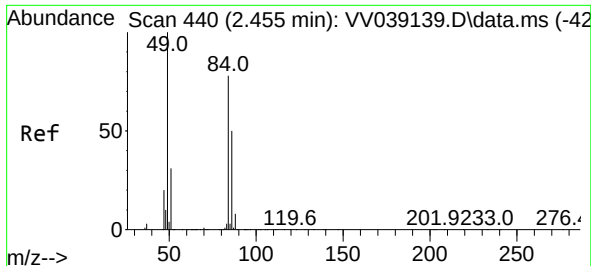
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 39.6 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.124 min Scan# 337
Delta R.T. 0.006 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion: 43 Resp: 6502
Ion Ratio Lower Upper
43 100
58 40.8 25.8 38.6#

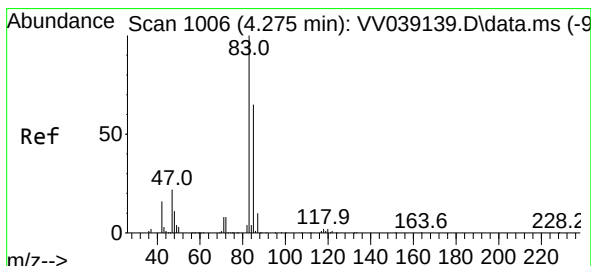
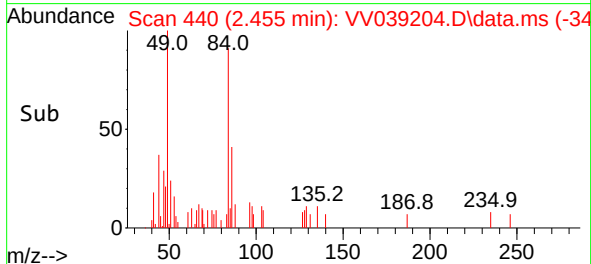
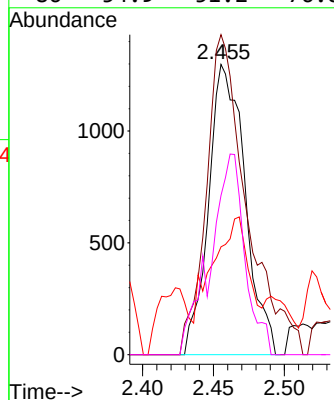
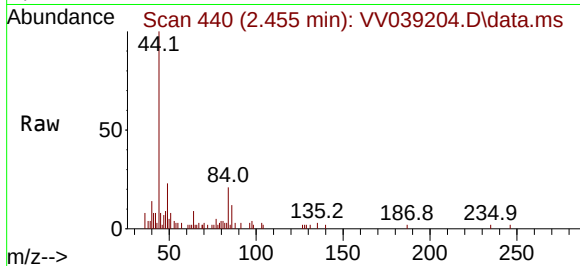




#20
Methylene Chloride
Concen: Below Cal
RT: 2.455 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

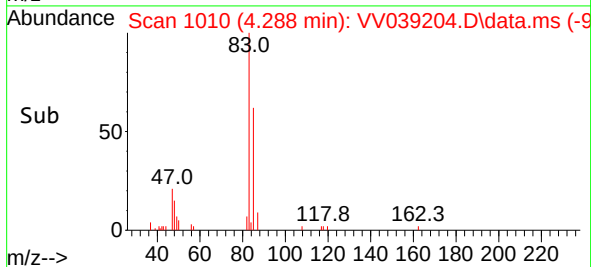
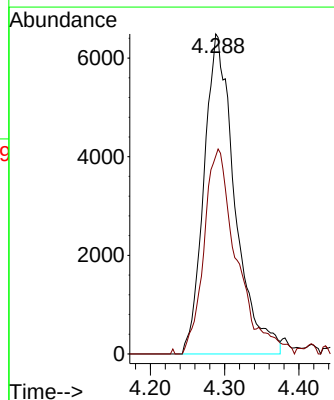
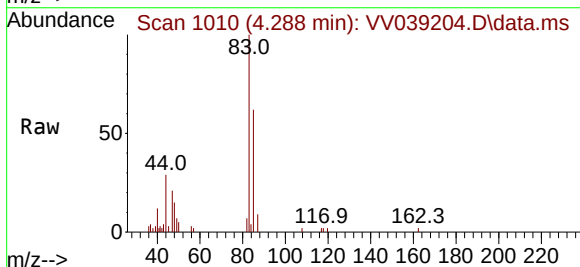
Instrument :
MSVOA_V
ClientSampleId :
MW-26-091925

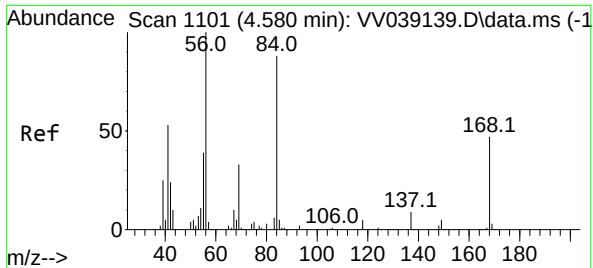
Tgt Ion:	84	Resp:	2316
Ion	Ratio	Lower	Upper
84	100		
49	110.2	102.8	154.2
51	18.6	31.9	47.9#
86	54.9	51.2	76.8



#30
Chloroform
Concen: 1.172 ug/l
RT: 4.288 min Scan# 1010
Delta R.T. 0.013 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion:	83	Resp:	18760
Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.1	78.1

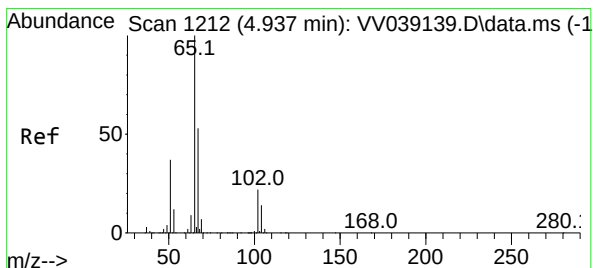
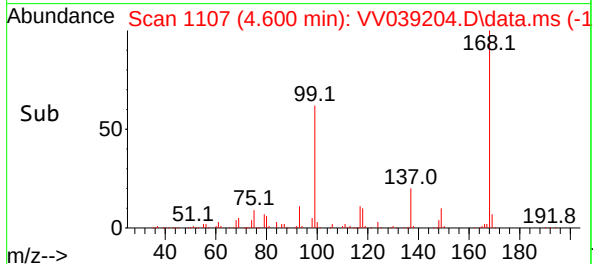
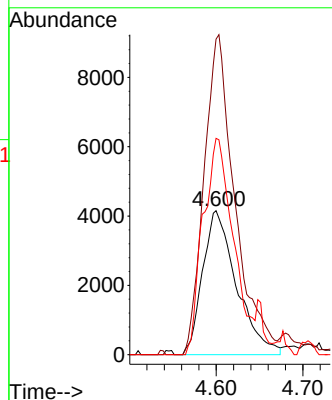
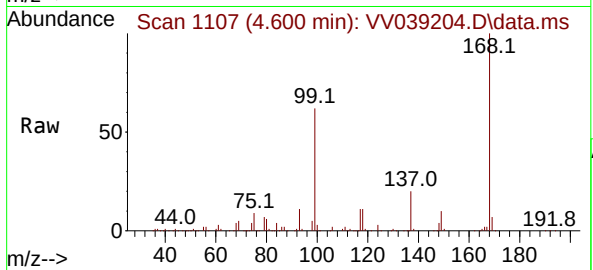




#31
Cyclohexane
Concen: 0.901 ug/l
RT: 4.600 min Scan# 1101
Delta R.T. 0.019 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

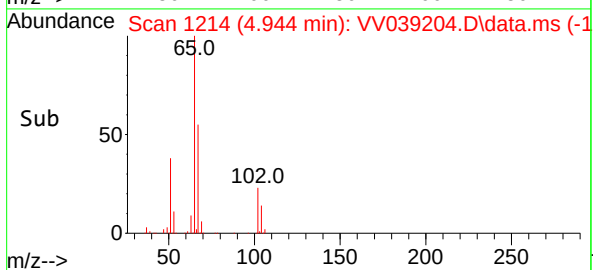
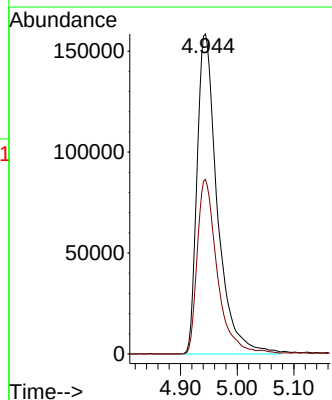
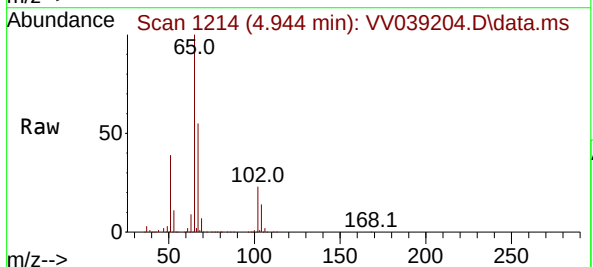
Instrument :
MSVOA_V
ClientSampleId :
MW-26-091925

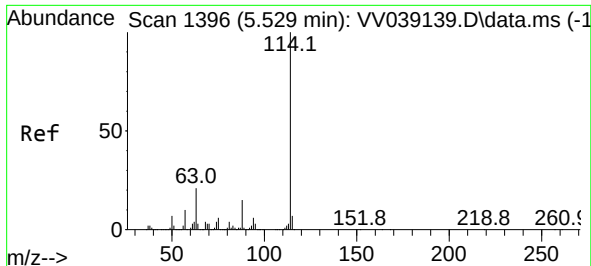
Tgt Ion: 56 Resp: 11315
Ion Ratio Lower Upper
56 100
69 219.1 26.2 39.2#
84 150.2 70.3 105.5#



#33
1,2-Dichloroethane-d4
Concen: 56.006 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.007 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion: 65 Resp: 394452
Ion Ratio Lower Upper
65 100
67 53.4 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: VV039204.D

Acq: 26 Sep 2025 11:58

Instrument :

MSVOA_V

ClientSampleId :

MW-26-091925

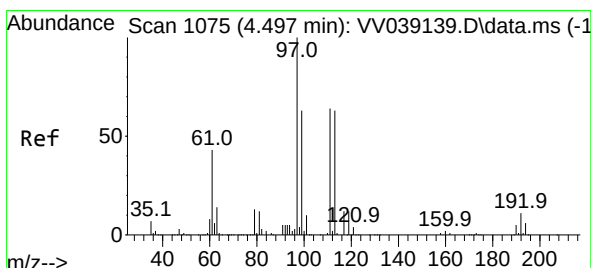
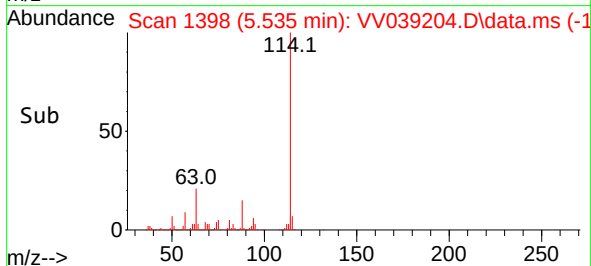
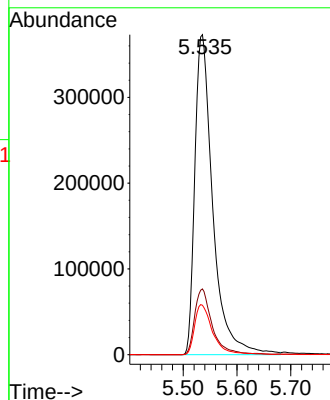
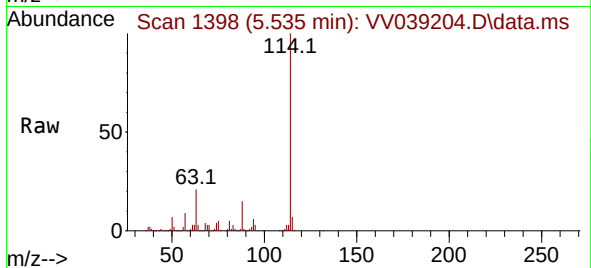
Tgt Ion:114 Resp: 867427

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.738 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

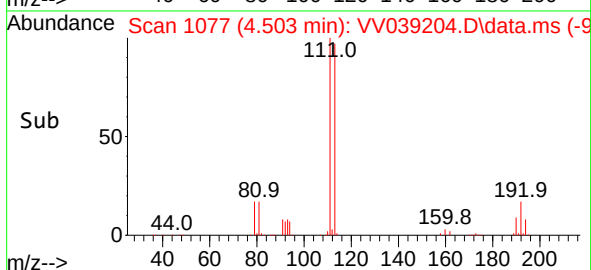
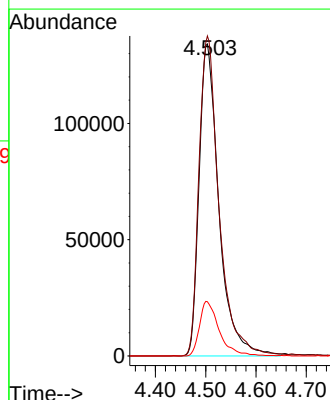
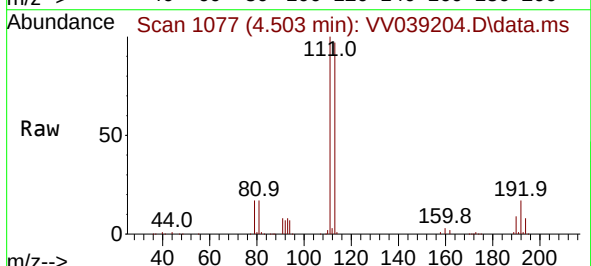
Tgt Ion:113 Resp: 367761

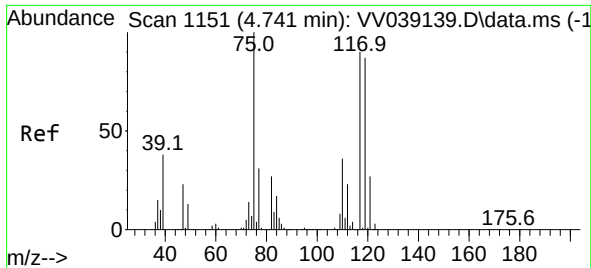
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 17.3 13.8 20.8

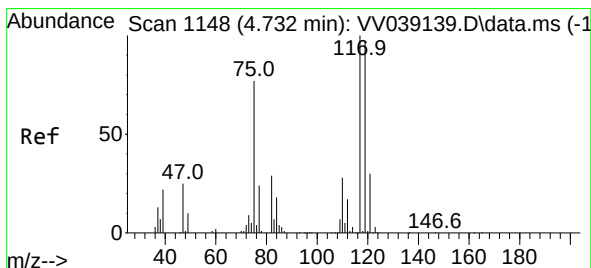
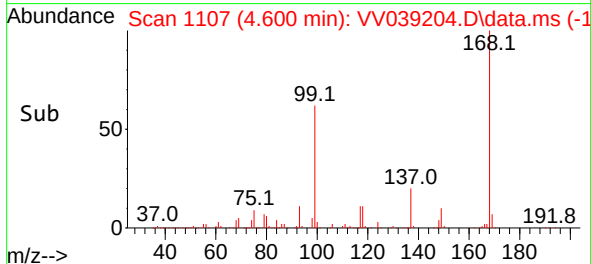
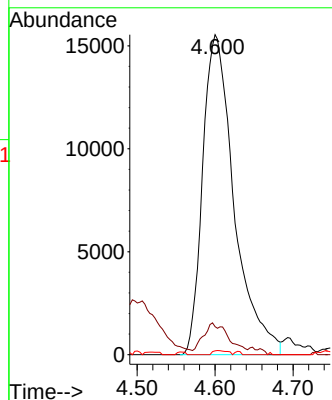
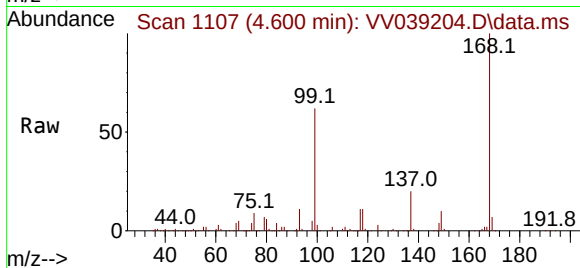




#36
 1,1-Dichloropropene
 Concen: 4.134 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.141 min
 Lab File: VV039204.D
 Acq: 26 Sep 2025 11:58

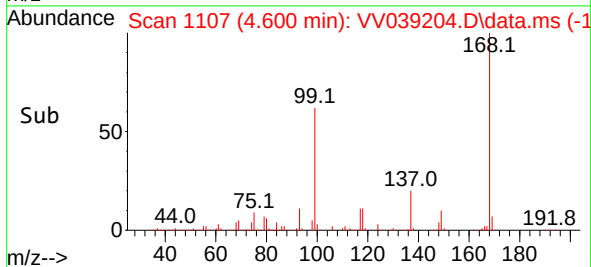
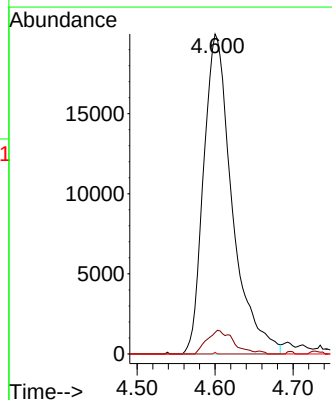
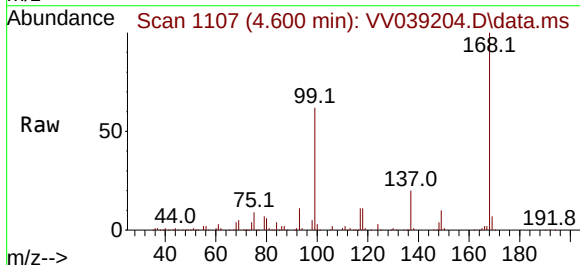
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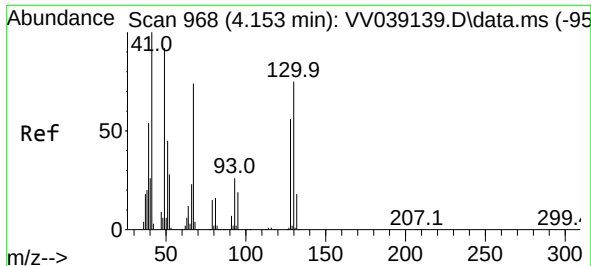
Tgt Ion: 75 Resp: 43584
 Ion Ratio Lower Upper
 75 100
 110 6.2 18.1 54.1#
 77 0.6 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 3.945 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. -0.132 min
 Lab File: VV039204.D
 Acq: 26 Sep 2025 11:58

Tgt Ion: 117 Resp: 50835
 Ion Ratio Lower Upper
 117 100
 119 6.7 77.2 115.8#
 121 0.5 24.2 36.2#

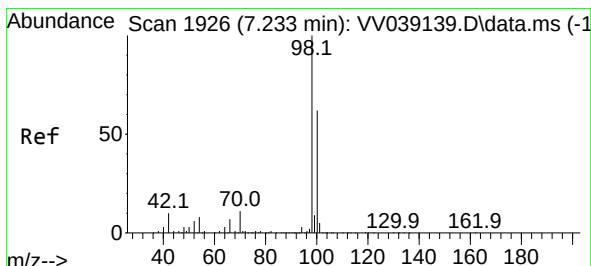
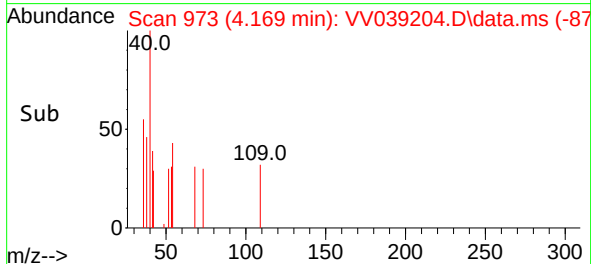
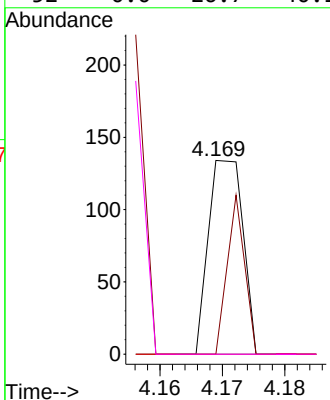
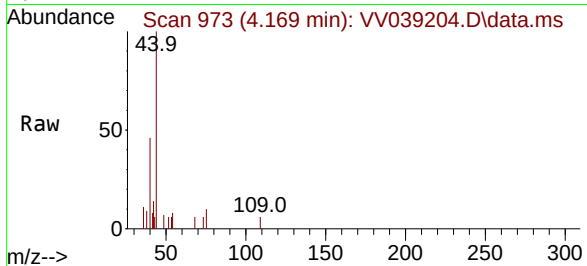




#41
Methacrylonitrile
Concen: 1.919 ug/l
RT: 4.169 min Scan# 91
Delta R.T. 0.016 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

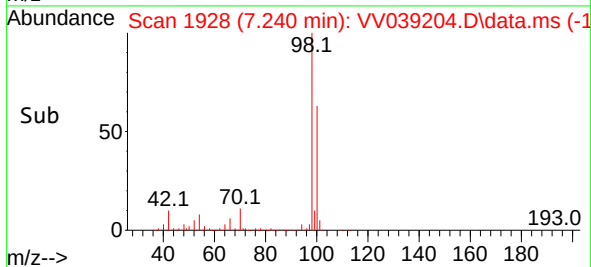
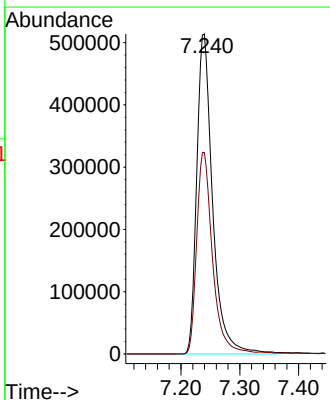
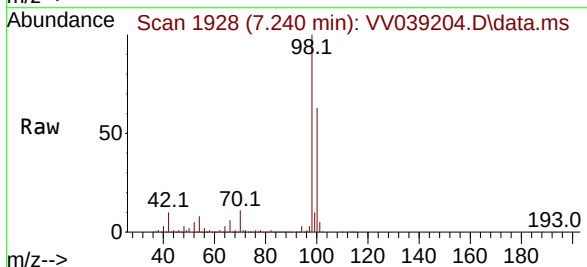
Instrument :
MSVOA_V
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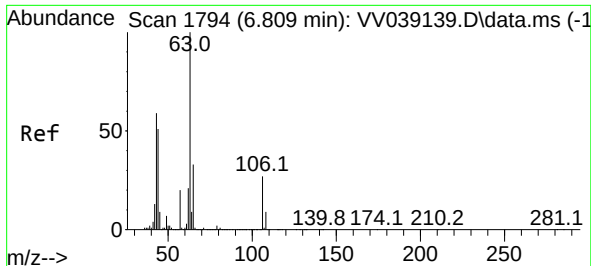
Tgt Ion:	41	Resp:	51
Ion	Ratio	Lower	Upper
41	100		
39	41.2	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#50
Toluene-d8
Concen: 47.013 ug/l
RT: 7.240 min Scan# 1928
Delta R.T. 0.007 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion:	98	Resp:	962872
Ion	Ratio	Lower	Upper
98	100		
100	62.7	52.2	78.2





#58

2-Chloroethyl Vinyl ether

Concen: 9.630 ug/l

RT: 6.831 min Scan# 11

Delta R.T. 0.022 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

Instrument :

MSVOA_V

ClientSampleId :

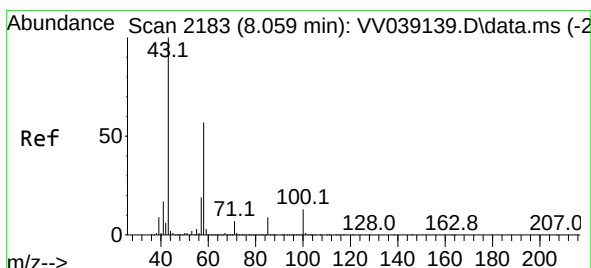
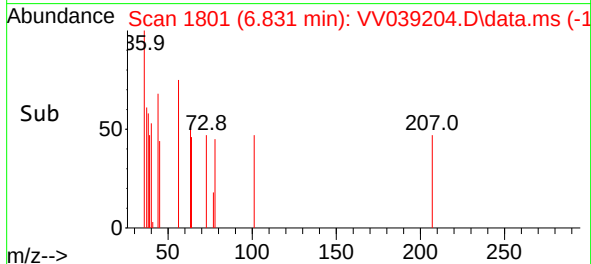
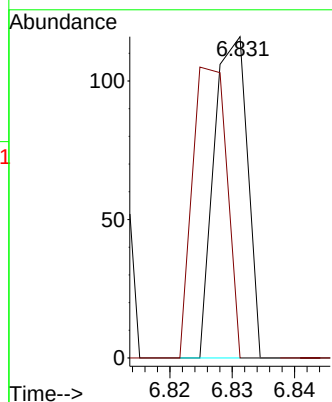
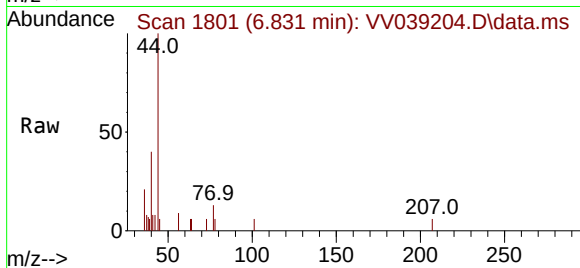
MW-26-091925

Tgt Ion: 63 Resp: 43

Ion Ratio Lower Upper

63 100

106 93.0 22.1 33.1#



#59

2-Hexanone

Concen: 2.330 ug/l

RT: 7.947 min Scan# 2148

Delta R.T. -0.112 min

Lab File: VV039204.D

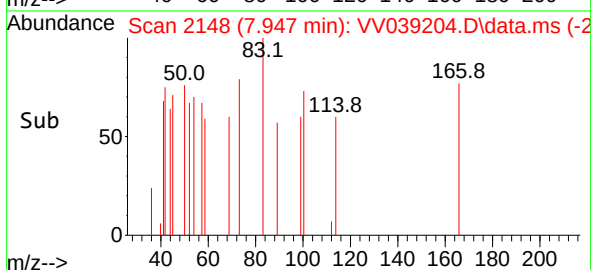
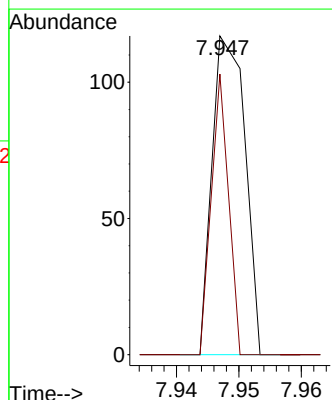
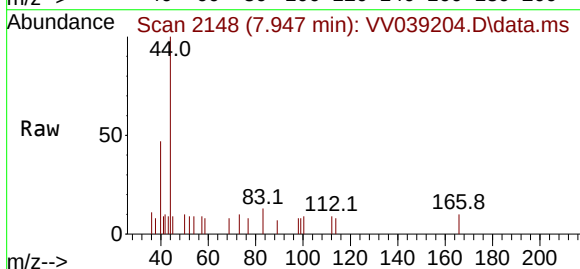
Acq: 26 Sep 2025 11:58

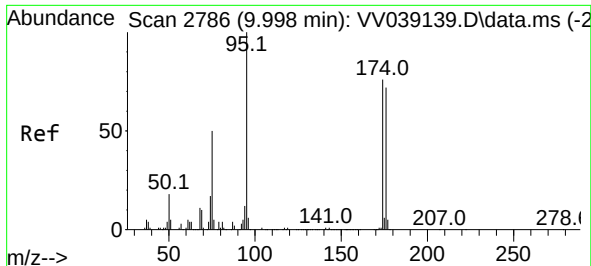
Tgt Ion: 43 Resp: 43

Ion Ratio Lower Upper

43 100

58 46.5 28.3 85.0

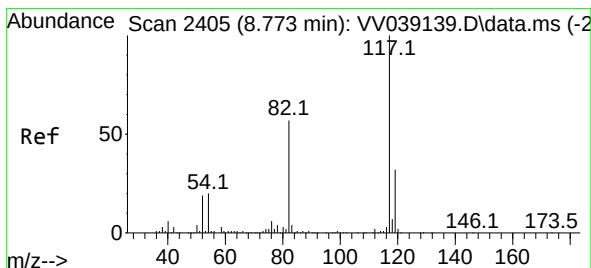
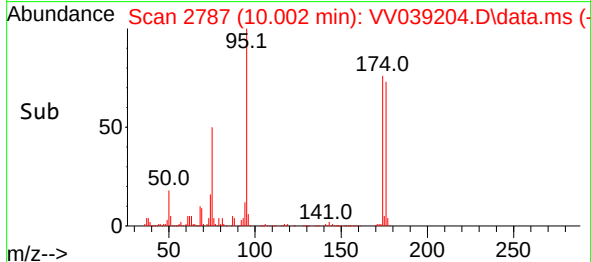
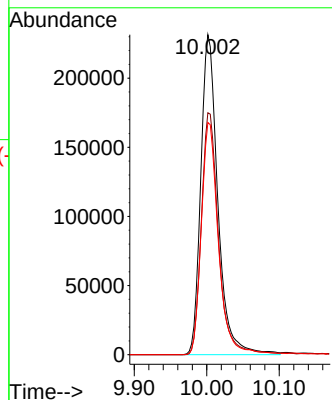
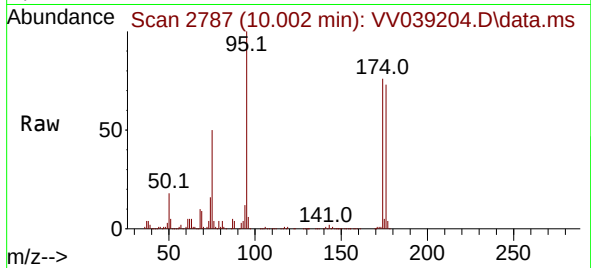




#62
4-Bromofluorobenzene
Concen: 44.883 ug/l
RT: 10.002 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

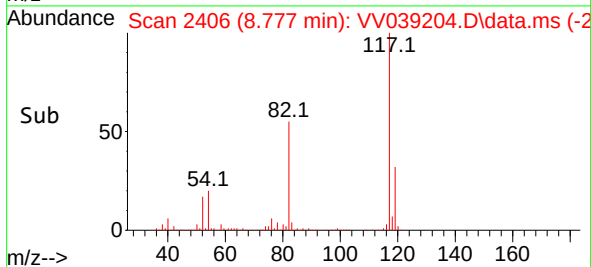
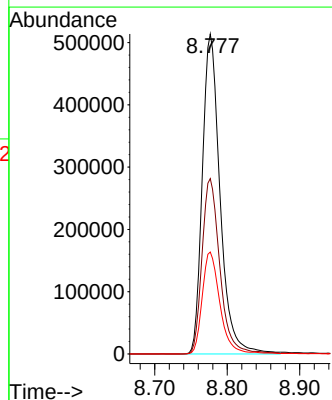
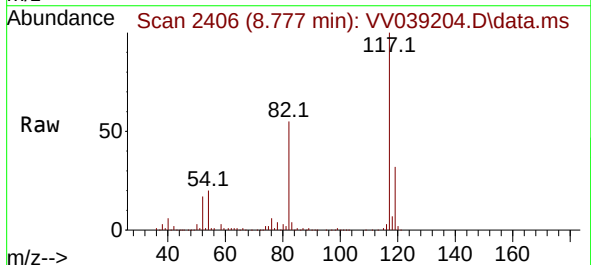
Instrument :
MSVOA_V
ClientSampleId :
MW-26-091925

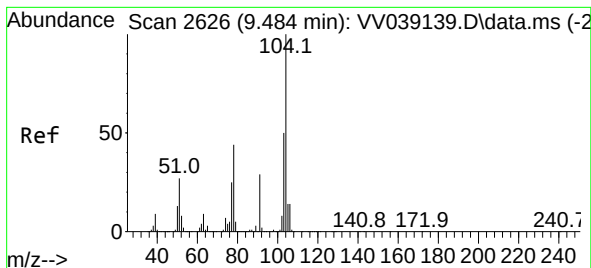
Tgt Ion: 95 Resp: 378432
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.4
176 73.0 0.0 144.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 2406
Delta R.T. 0.004 min
Lab File: VV039204.D
Acq: 26 Sep 2025 11:58

Tgt Ion: 117 Resp: 873266
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.2
119 31.9 25.6 38.4





#70

Styrene

Concen: 1.565 ug/l

RT: 9.522 min Scan# 2

Delta R.T. 0.038 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

Instrument :

MSVOA_V

ClientSampleId :

MW-26-091925

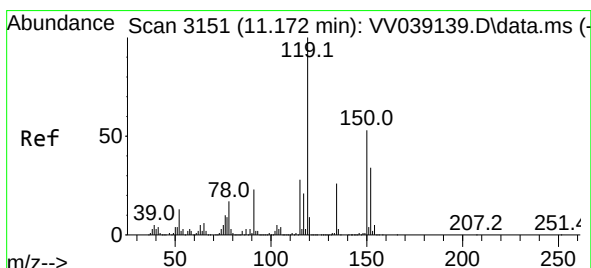
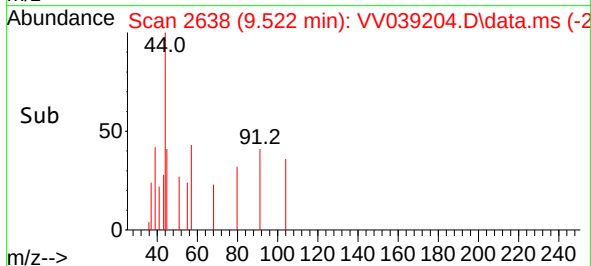
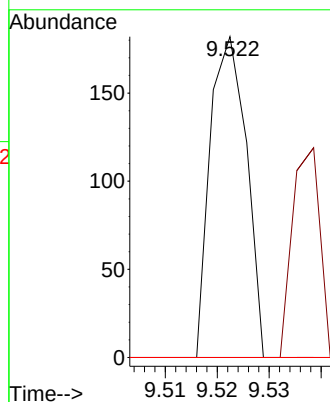
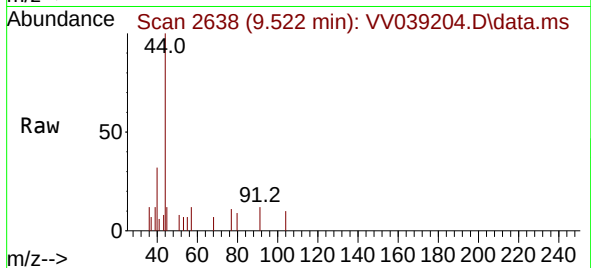
Tgt Ion:104 Resp: 88

Ion Ratio Lower Upper

104 100

78 48.9 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# 3152

Delta R.T. 0.003 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

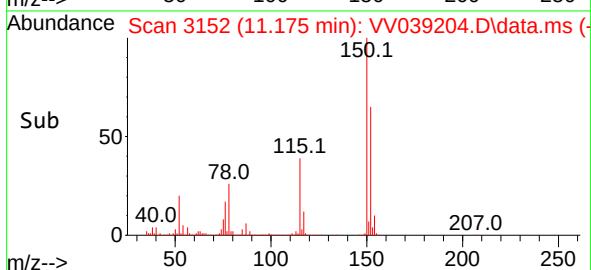
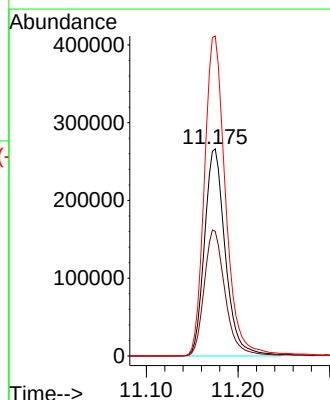
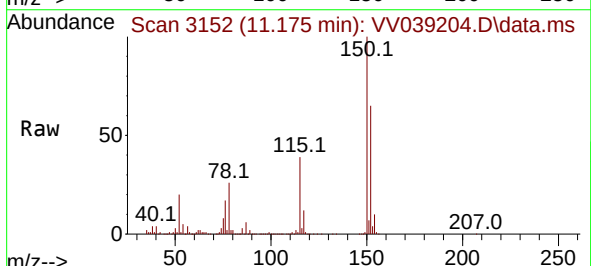
Tgt Ion:152 Resp: 420754

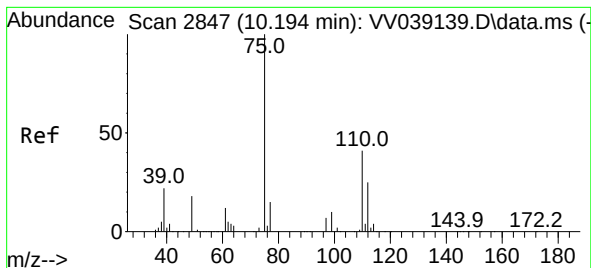
Ion Ratio Lower Upper

152 100

115 61.0 44.8 134.4

150 157.7 0.0 353.8





#76

1,2,3-Trichloropropane

Concen: 19.212 ug/l

RT: 10.002 min Scan# 21

Delta R.T. -0.193 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

Instrument :

MSVOA_V

ClientSampleId :

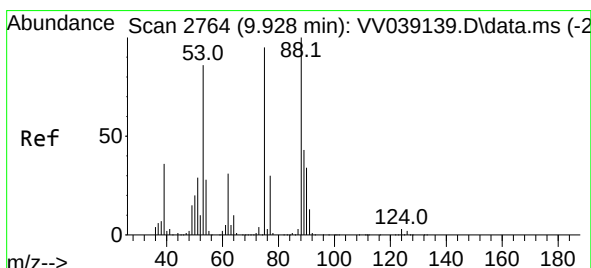
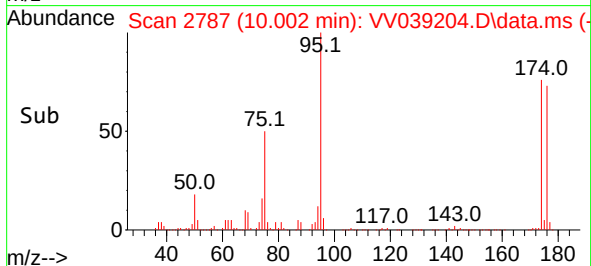
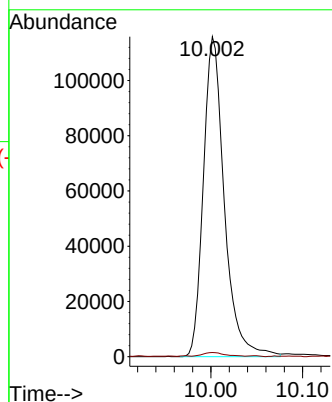
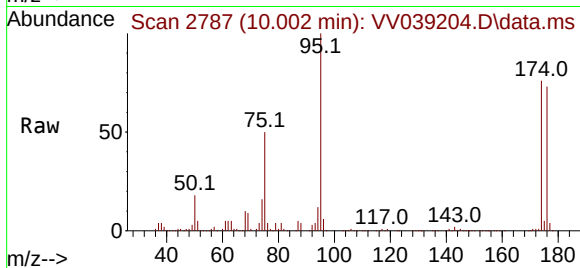
MW-26-091925

Tgt Ion: 75 Resp: 184052

Ion Ratio Lower Upper

75 100

77 1.2 11.3 33.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 46.123 ug/l

RT: 10.002 min Scan# 2787

Delta R.T. 0.074 min

Lab File: VV039204.D

Acq: 26 Sep 2025 11:58

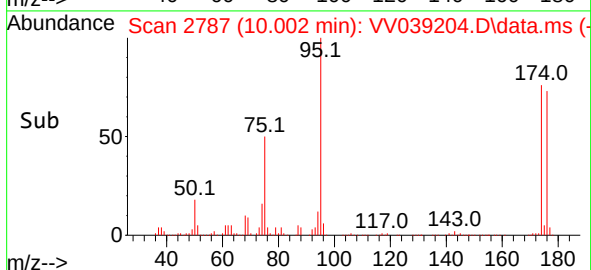
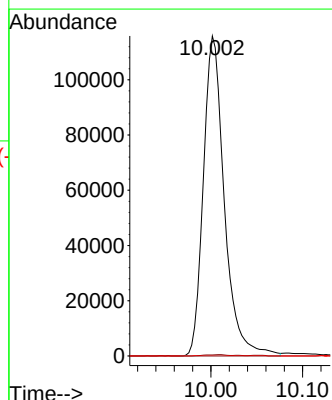
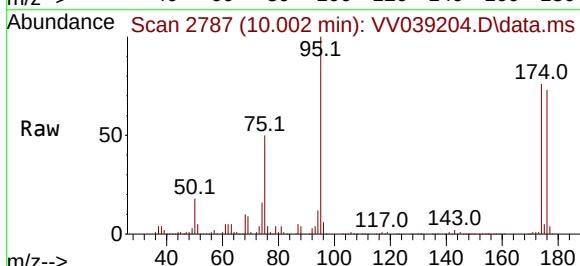
Tgt Ion: 75 Resp: 184052

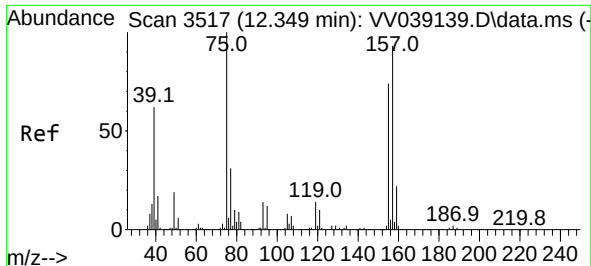
Ion Ratio Lower Upper

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: 12.349 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV039204.D

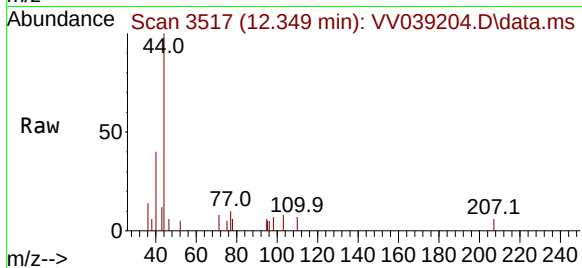
Acq: 26 Sep 2025 11:58

Instrument :

MSVOA_V

ClientSampleId :

MW-26-091925



Tgt Ion:	75	Resp:	21
Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.6	115.8#
157	0.0	49.5	148.3#

