

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
 Data File : VV039213.D
 Acq On : 26 Sep 2025 15:20
 Operator : SY/MD
 Sample : Q3195-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-29-092325

Quant Time: Sep 27 02:58:01 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)

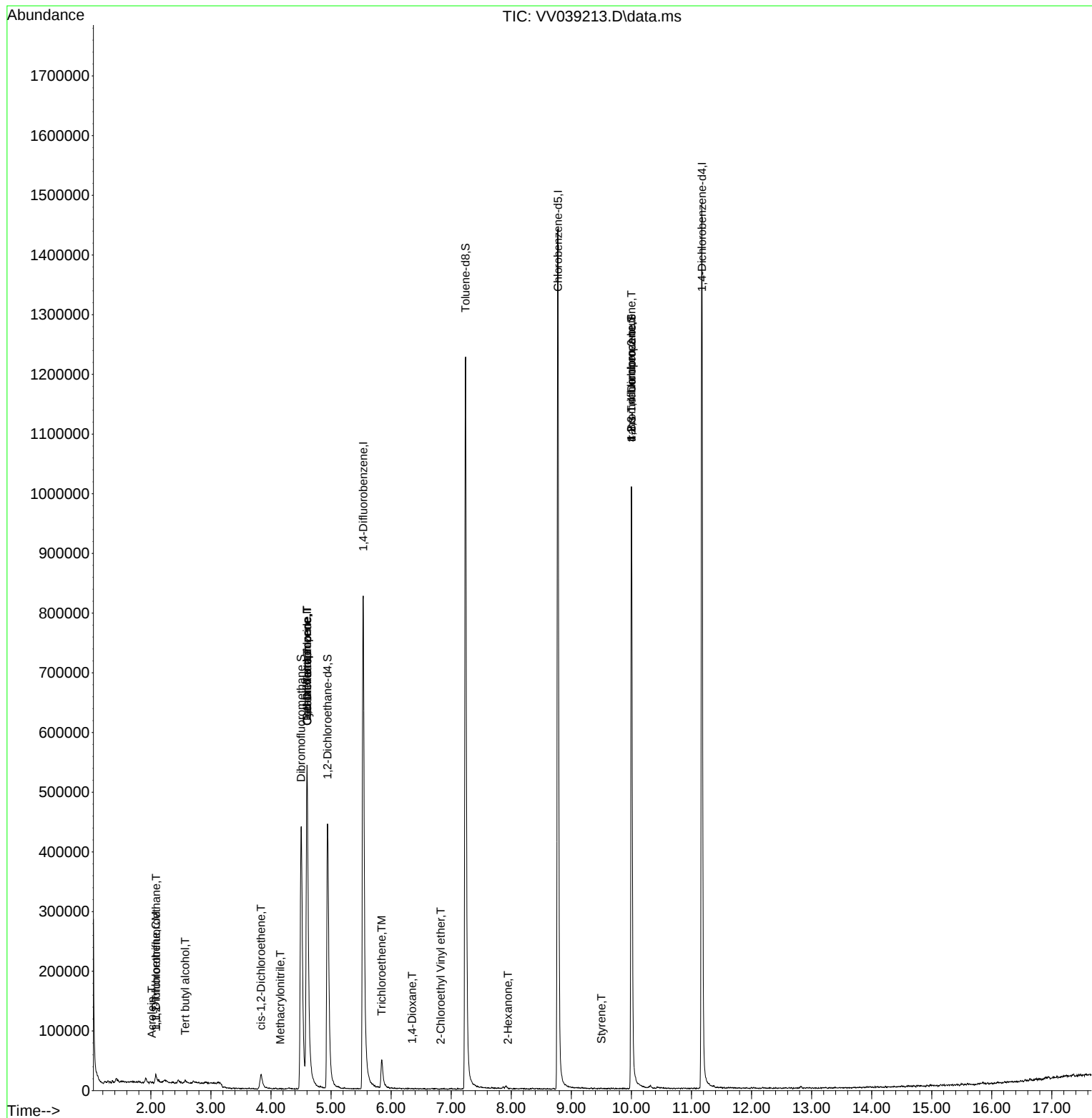
Internal Standards						
1) Pentafluorobenzene	4.600	168	450640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	819940	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	841715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	391674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	402866	61.769	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 123.540%#			
35) Dibromofluoromethane	4.503	113	368992	55.979	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 111.960%			
50) Toluene-d8	7.239	98	896272	46.296	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.600%			
62) 4-Bromofluorobenzene	10.001	95	348361	43.710	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.420%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.555	64	127	Below Cal	#	76
9) 1,1,2-Trichlorotrifluo...	2.089	101	2185	0.309	ug/l #	85
11) Tert butyl alcohol	2.571	59	345	0.250	ug/l #	42
12) 1,1-Dichloroethene	2.082	96	2472	0.364	ug/l	83
13) Acrolein	2.018	56	115	0.481	ug/l #	15
16) Acetone	2.130	43	4874	Below Cal		90
20) Methylene Chloride	2.458	84	2474	Below Cal	#	76
27) cis-1,2-Dichloroethene	3.834	96	13996	1.754	ug/l	81
31) Cyclohexane	4.603	56	10595	0.911	ug/l #	1
36) 1,1-Dichloropropene	4.600	75	40033	4.017	ug/l #	48
38) Carbon Tetrachloride	4.603	117	47098	3.867	ug/l #	17
41) Methacrylonitrile	4.156	41	130	1.933	ug/l #	1
44) Trichloroethene	5.844	130	21362	2.853	ug/l	99
49) 1,4-Dioxane	6.349	88	42	0.348	ug/l #	10
58) 2-Chloroethyl Vinyl ether	6.825	63	95	9.639	ug/l #	47
59) 2-Hexanone	7.947	43	64	2.333	ug/l	65
70) Styrene	9.500	104	51	1.563	ug/l #	26
76) 1,2,3-Trichloropropane	10.001	75	174270	19.542	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	174270	46.914	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.336	75	43	Below Cal	#	5

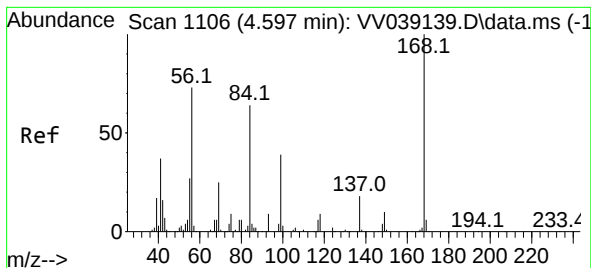
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092625\
Data File : VV039213.D
Acq On : 26 Sep 2025 15:20
Operator : SY/MD
Sample : Q3195-14
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

Quant Time: Sep 27 02:58:01 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

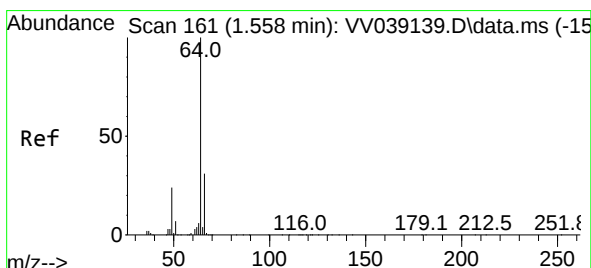
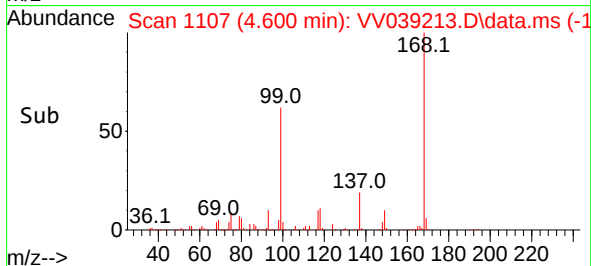
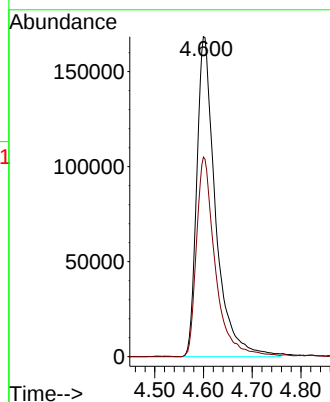
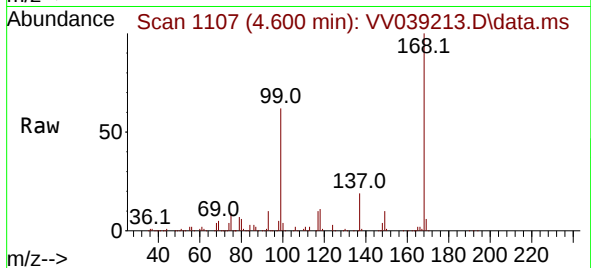




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

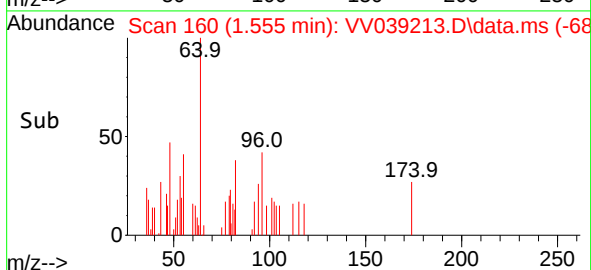
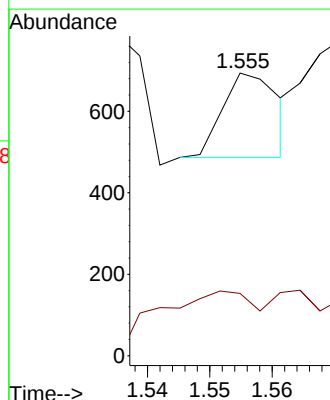
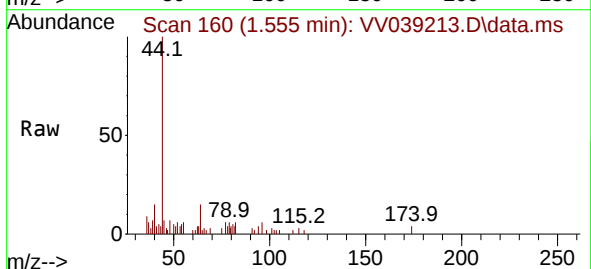
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

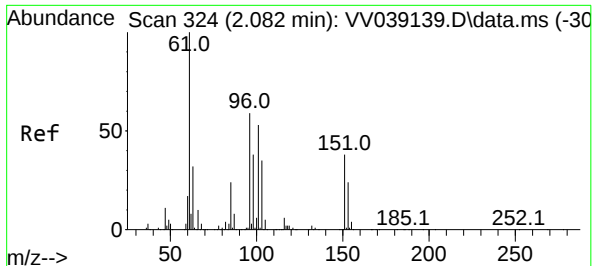
Tgt Ion:168 Resp: 450640
Ion Ratio Lower Upper
168 100
99 62.4 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.555 min Scan# 160
Delta R.T. -0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 64 Resp: 127
Ion Ratio Lower Upper
64 100
66 17.4 24.6 36.8#

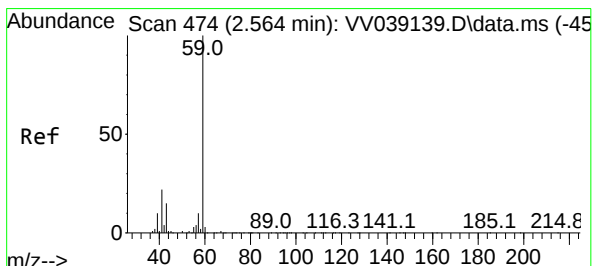
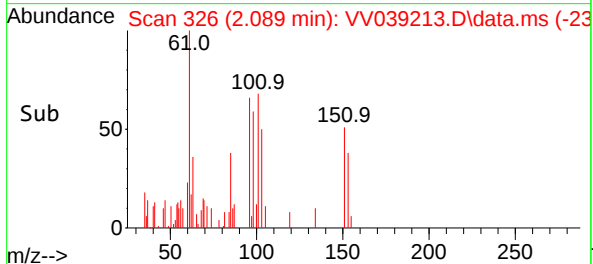
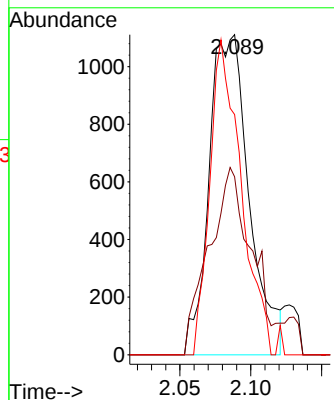
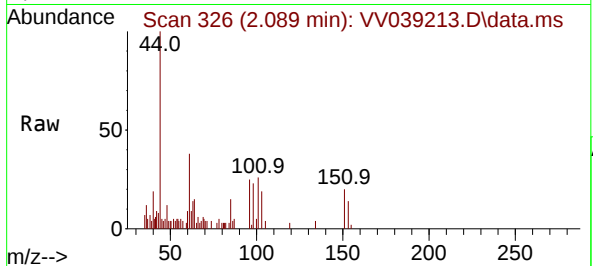




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.309 ug/l
RT: 2.089 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

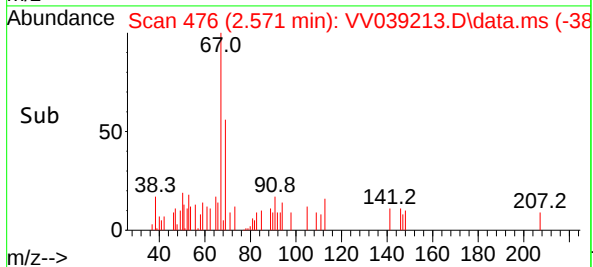
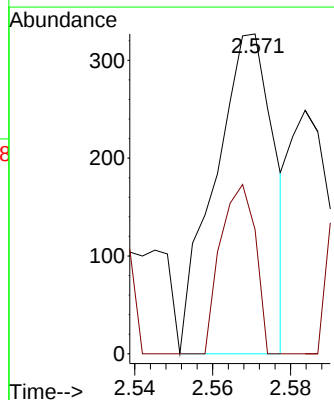
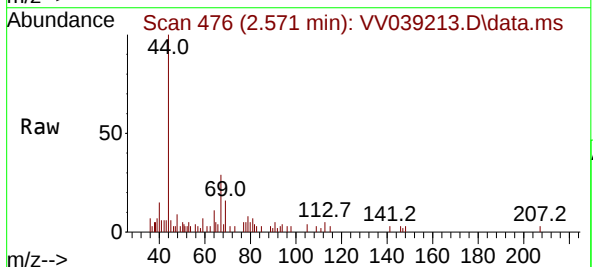
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

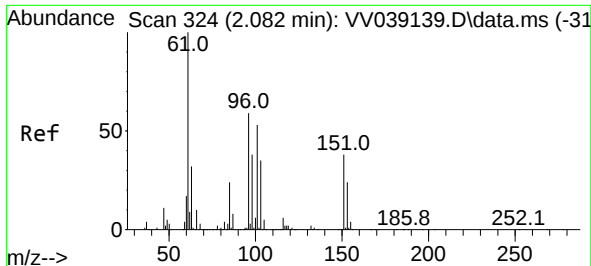
Tgt Ion:101 Resp: 2185
Ion Ratio Lower Upper
101 100
85 62.2 36.2 54.2#
151 76.8 56.3 84.5



#11
Tert butyl alcohol
Concen: 0.250 ug/l
RT: 2.571 min Scan# 476
Delta R.T. 0.006 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 31.3 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.364 ug/l

RT: 2.082 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

MW-29-092325

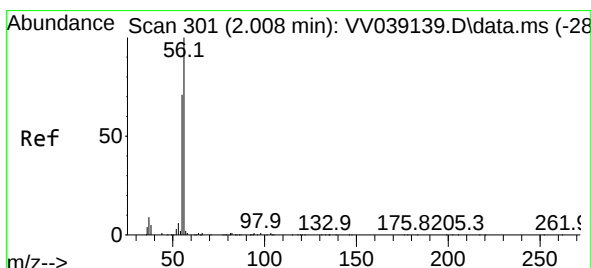
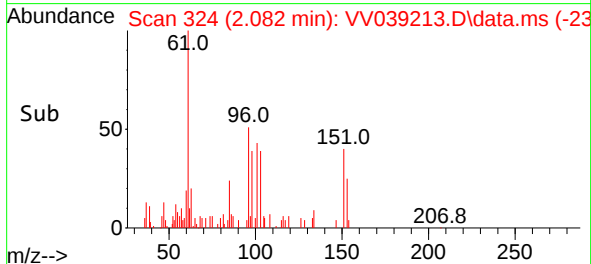
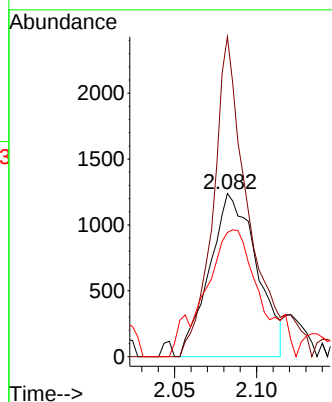
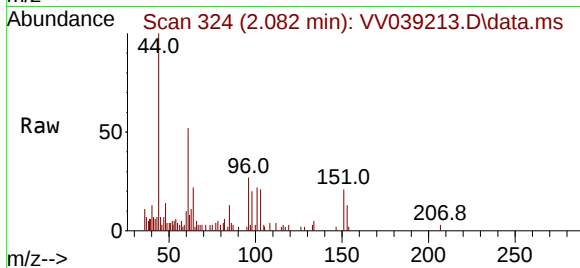
Tgt Ion: 96 Resp: 2472

Ion Ratio Lower Upper

96 100

61 196.0 136.0 204.0

98 54.1 51.0 76.6



#13

Acrolein

Concen: 0.481 ug/l

RT: 2.018 min Scan# 304

Delta R.T. 0.010 min

Lab File: VV039213.D

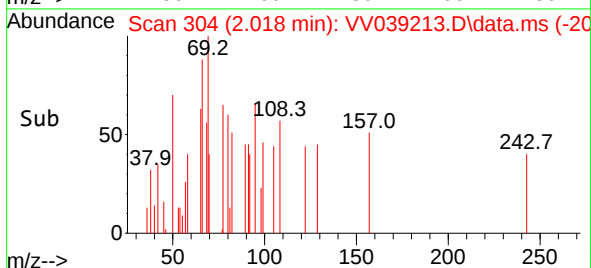
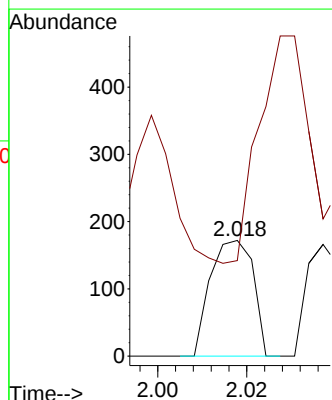
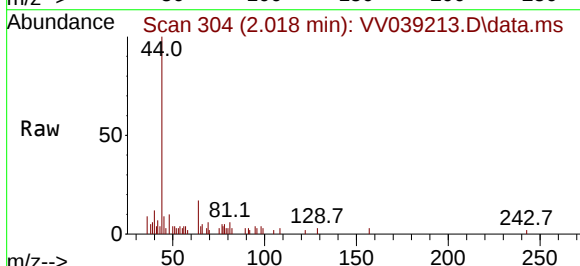
Acq: 26 Sep 2025 15:20

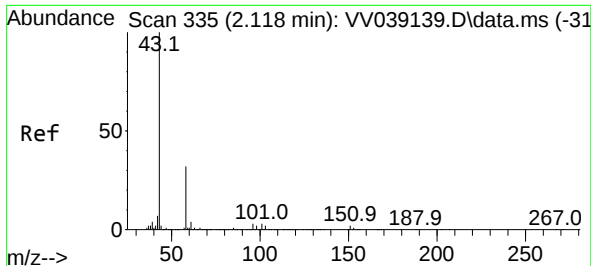
Tgt Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#

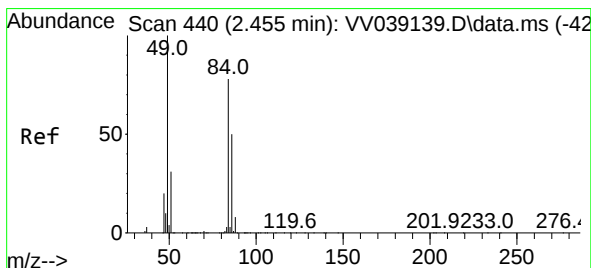
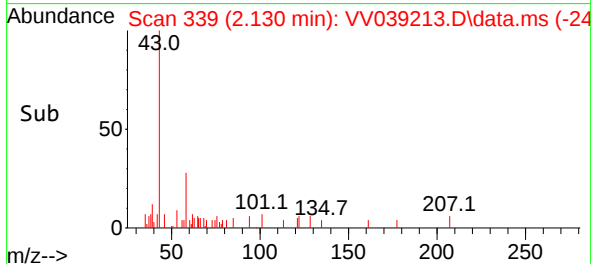
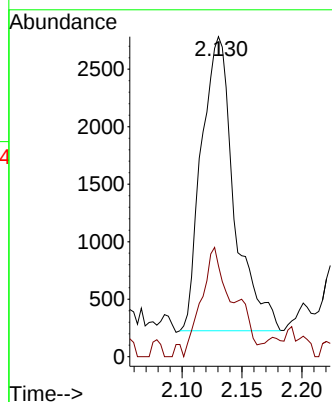
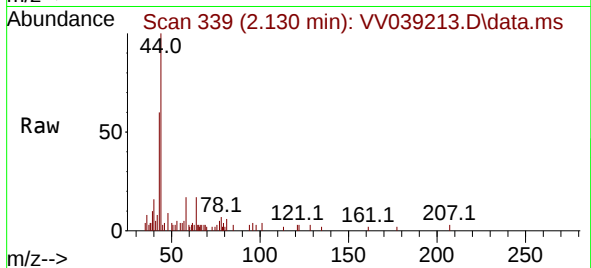




#16
Acetone
Concen: Below Cal
RT: 2.130 min Scan# 31
Delta R.T. 0.012 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

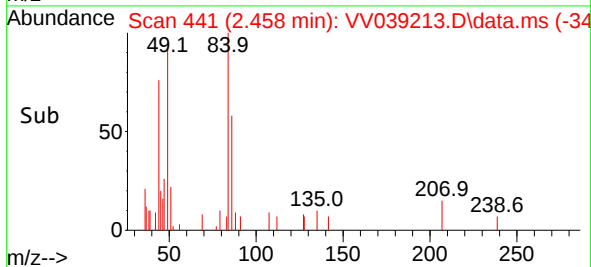
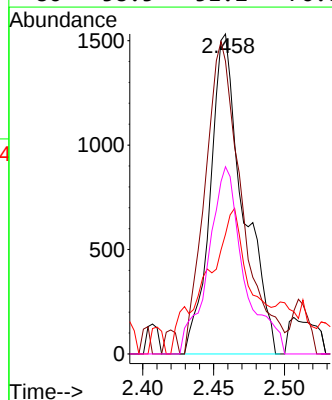
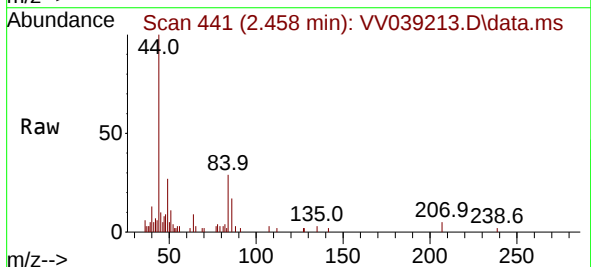
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

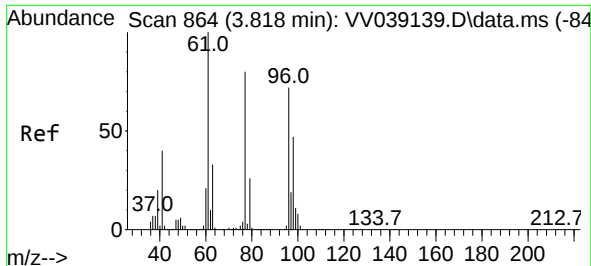
Tgt Ion: 43 Resp: 4874
Ion Ratio Lower Upper
43 100
58 26.8 25.8 38.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.458 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 84 Resp: 2474
Ion Ratio Lower Upper
84 100
49 91.5 102.8 154.2#
51 24.3 31.9 47.9#
86 58.5 51.2 76.8





#27

cis-1,2-Dichloroethene

Concen: 1.754 ug/l

RT: 3.834 min Scan# 8

Delta R.T. 0.016 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

MW-29-092325

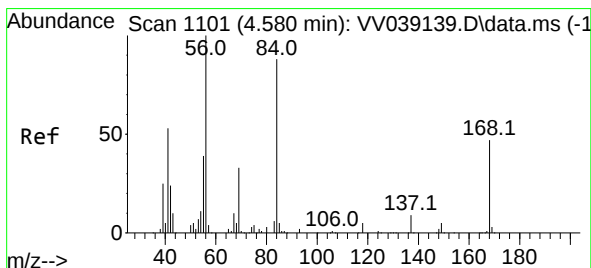
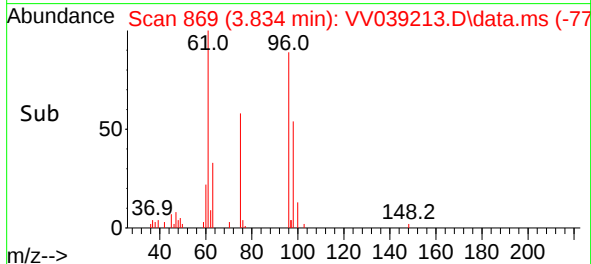
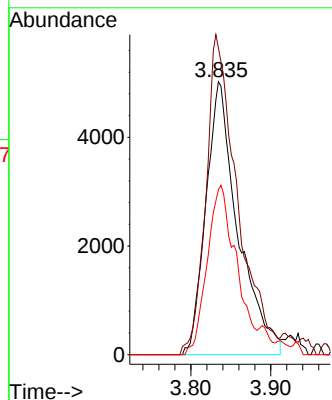
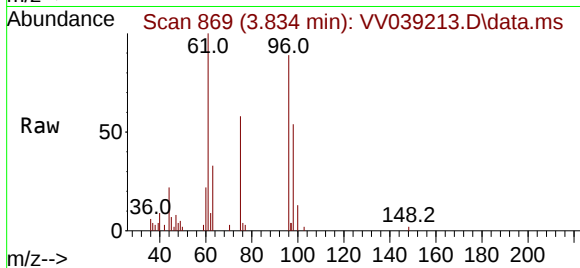
Tgt Ion: 96 Resp: 13996

Ion Ratio Lower Upper

96 100

61 115.0 0.0 286.4

98 56.4 0.0 126.6



#31

Cyclohexane

Concen: 0.911 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. 0.022 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

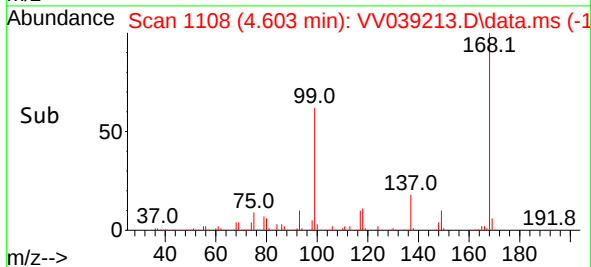
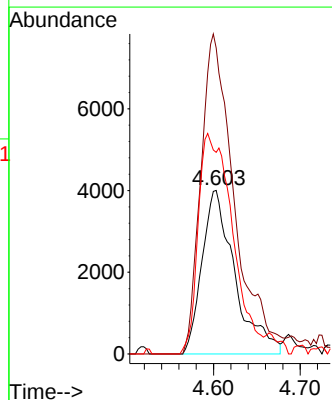
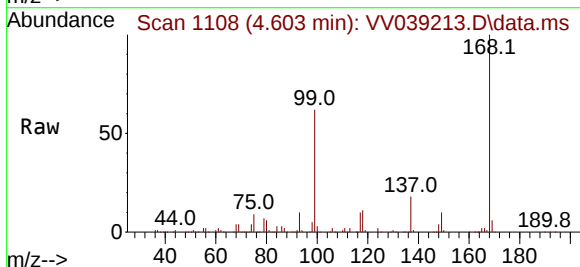
Tgt Ion: 56 Resp: 10595

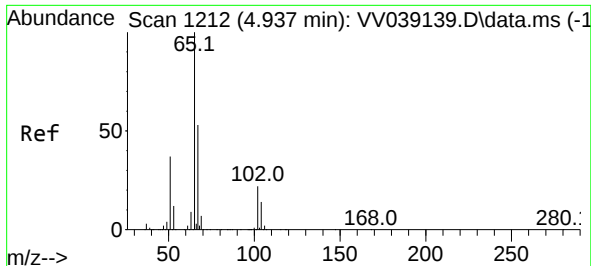
Ion Ratio Lower Upper

56 100

69 187.0 26.2 39.2#

84 123.2 70.3 105.5#

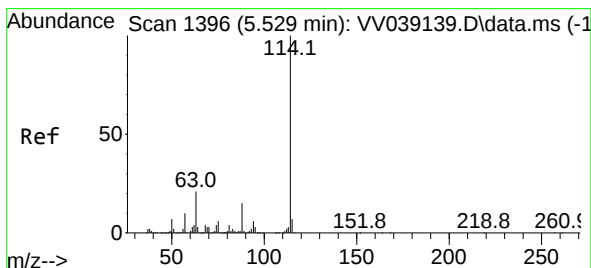
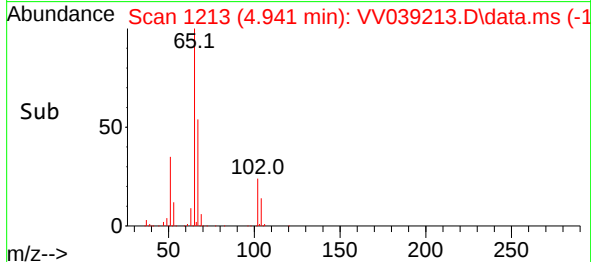
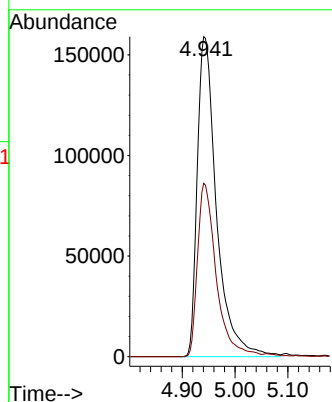
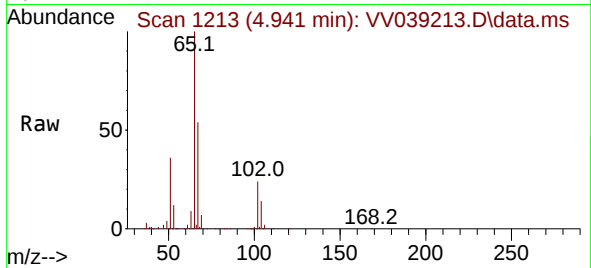




#33
1,2-Dichloroethane-d4
Concen: 61.769 ug/l
RT: 4.941 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

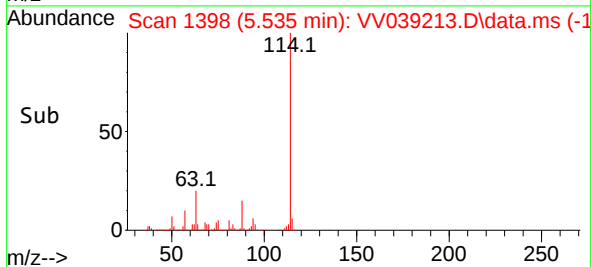
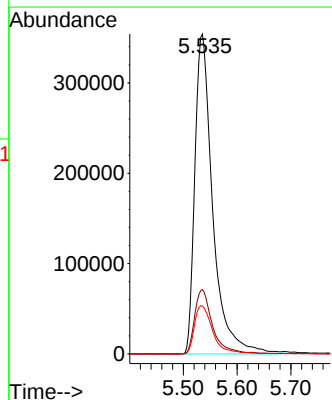
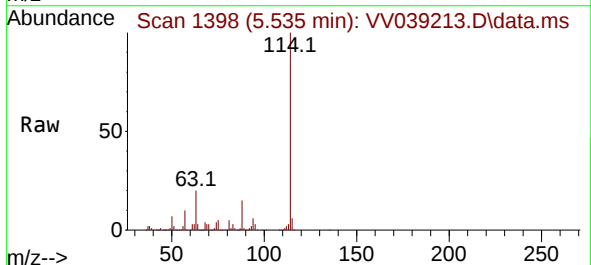
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

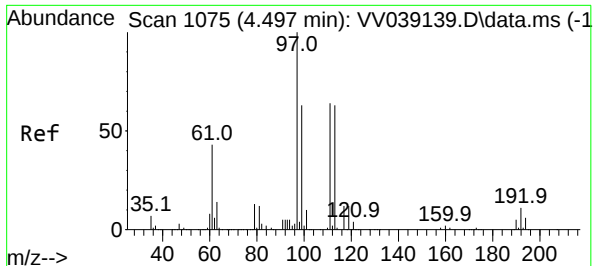
Tgt Ion: 65 Resp: 402866
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 1398
Delta R.T. 0.006 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 114 Resp: 819940
Ion Ratio Lower Upper
114 100
63 20.1 0.0 42.6
88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.979 ug/l

RT: 4.503 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

MW-29-092325

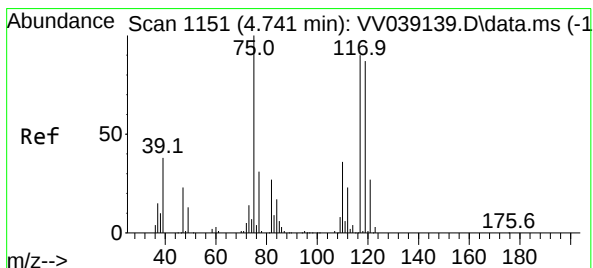
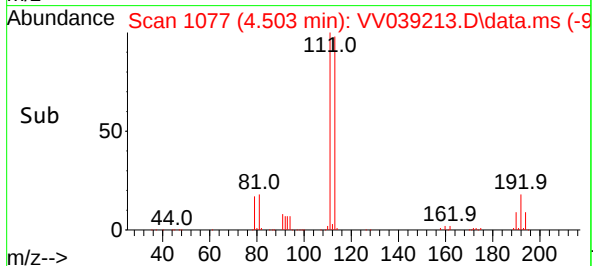
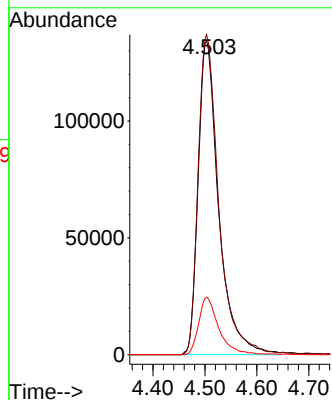
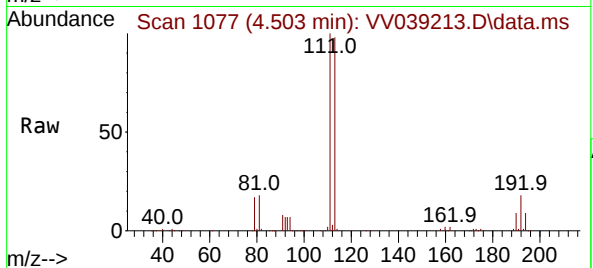
Tgt Ion:113 Resp: 368992

Ion Ratio Lower Upper

113 100

111 102.4 82.4 123.6

192 17.9 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.017 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.141 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

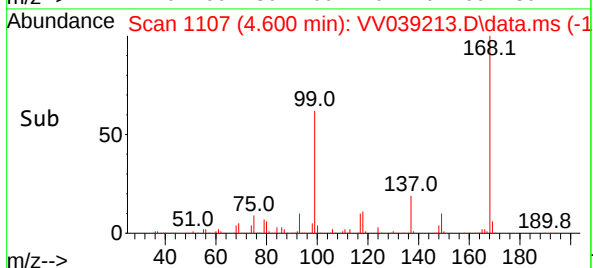
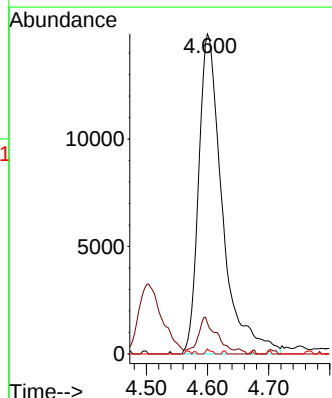
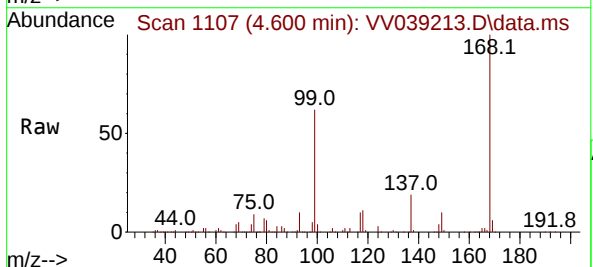
Tgt Ion: 75 Resp: 40033

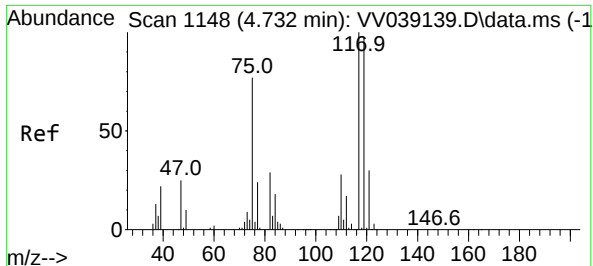
Ion Ratio Lower Upper

75 100

110 7.2 18.1 54.1#

77 0.3 24.8 37.2#

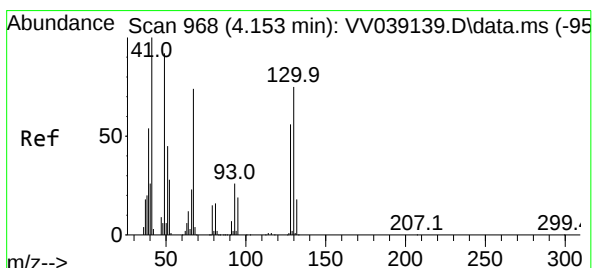
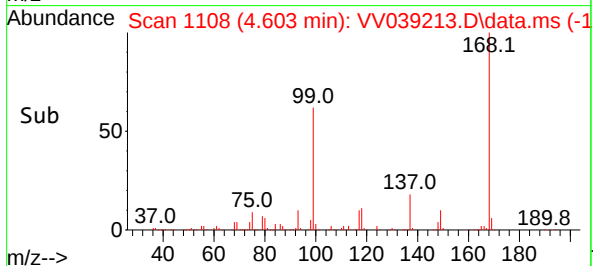
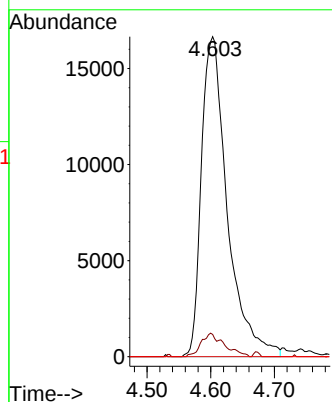
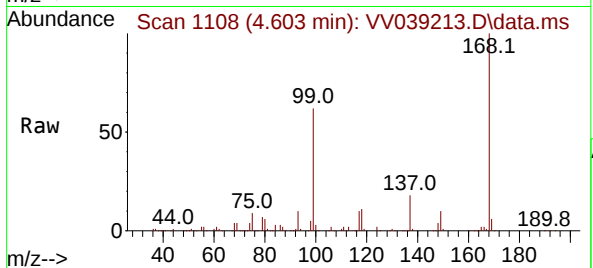




#38
Carbon Tetrachloride
Concen: 3.867 ug/l
RT: 4.603 min Scan# 1148
Delta R.T. -0.129 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

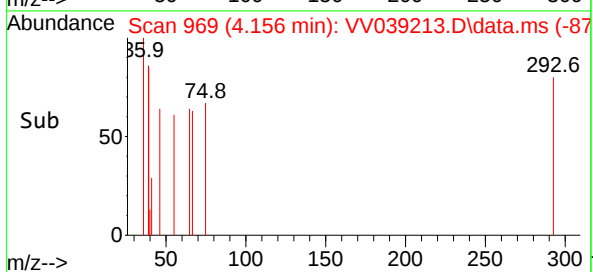
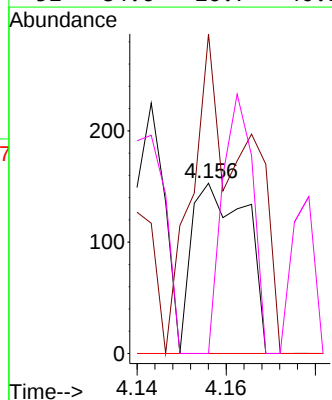
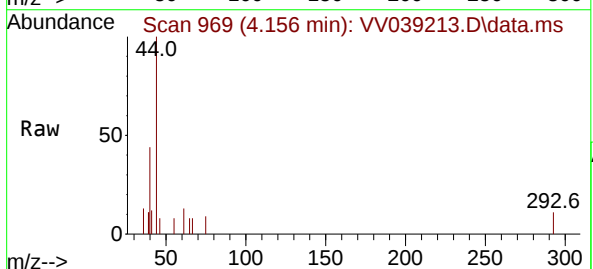
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

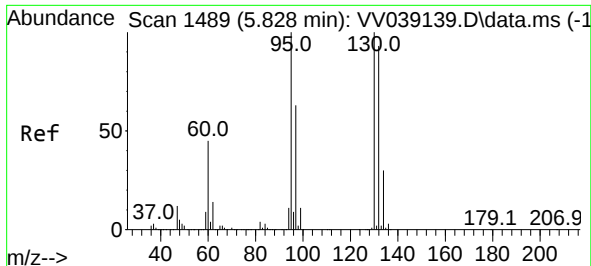
Tgt Ion:117 Resp: 47098
Ion Ratio Lower Upper
117 100
119 6.9 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.933 ug/l
RT: 4.156 min Scan# 969
Delta R.T. 0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 41 Resp: 130
Ion Ratio Lower Upper
41 100
39 183.1 42.2 63.2#
67 0.0 67.9 101.9#
52 84.6 26.7 40.1#

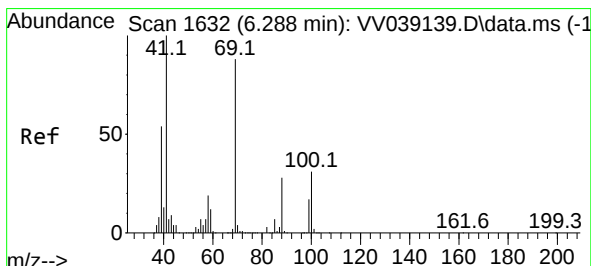
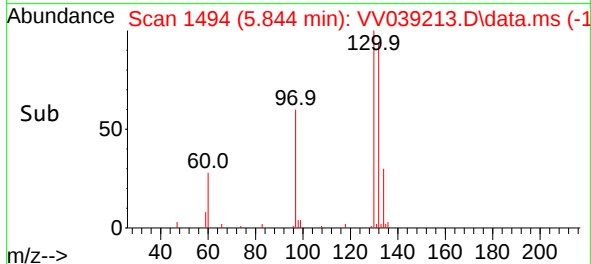
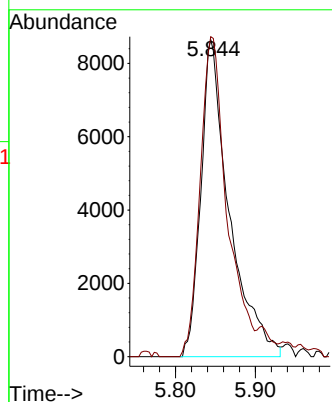
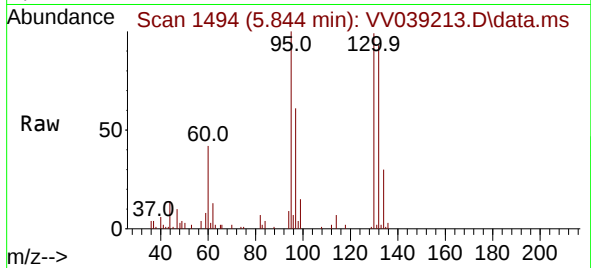




#44
Trichloroethene
Concen: 2.853 ug/l
RT: 5.844 min Scan# 1489
Delta R.T. 0.016 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

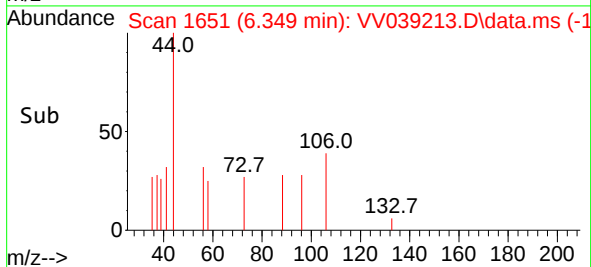
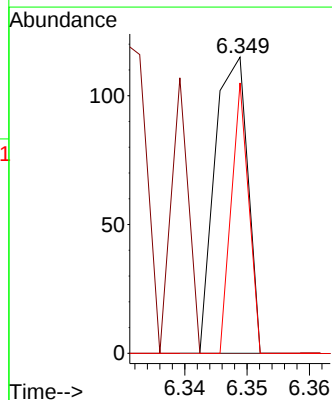
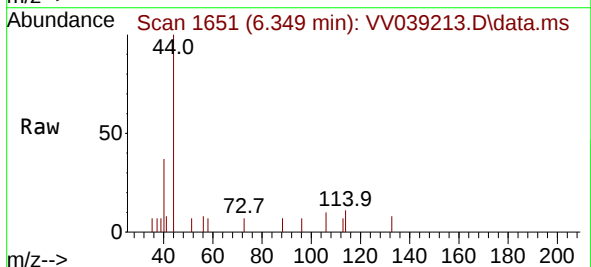
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

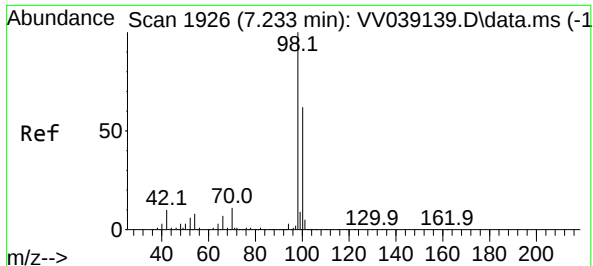
Tgt Ion:130 Resp: 21362
Ion Ratio Lower Upper
130 100
95 101.0 0.0 199.2



#49
1,4-Dioxane
Concen: 0.348 ug/l
RT: 6.349 min Scan# 1651
Delta R.T. 0.061 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 159.5 25.1 37.7#
58 47.6 53.6 80.4#

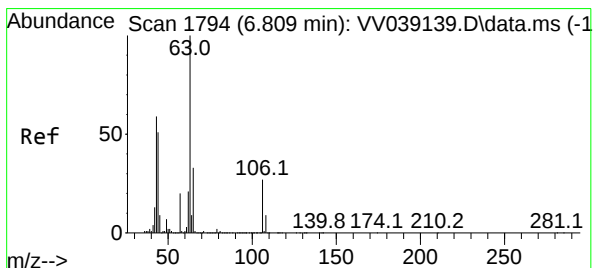
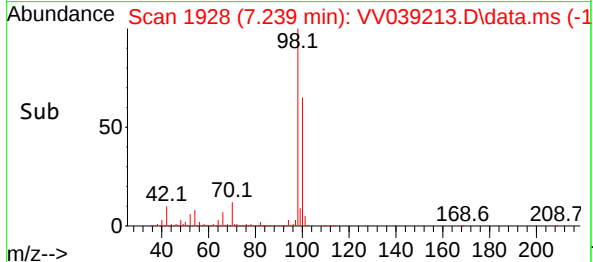
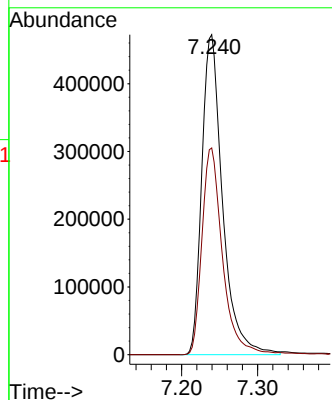
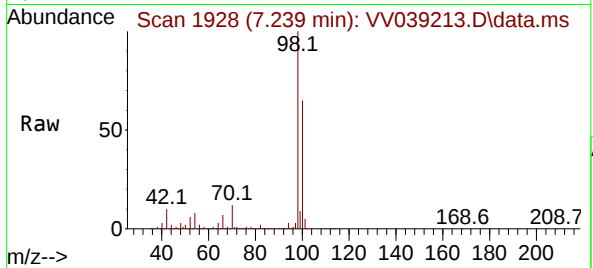




#50
Toluene-d8
Concen: 46.296 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

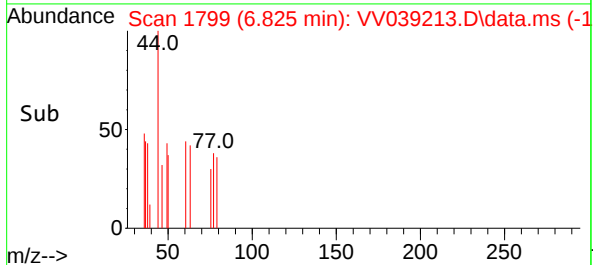
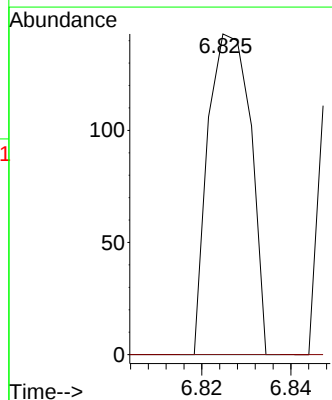
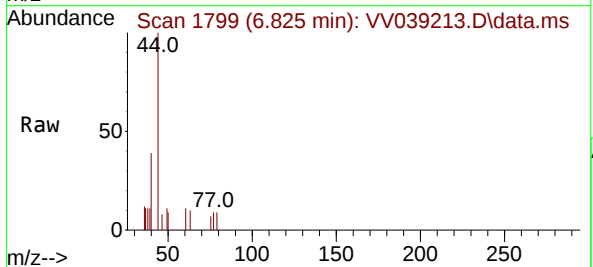
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

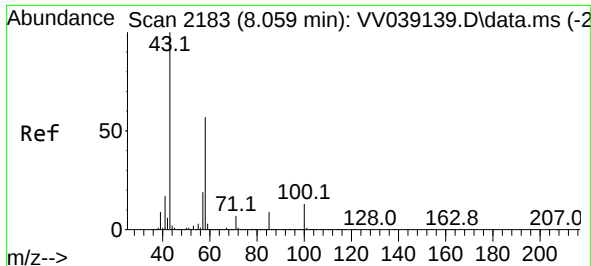
Tgt Ion: 98 Resp: 896272
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#58
2-Chloroethyl Vinyl ether
Concen: 9.639 ug/l
RT: 6.825 min Scan# 1799
Delta R.T. 0.016 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 63 Resp: 95
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#





#59

2-Hexanone

Concen: 2.333 ug/l

RT: 7.947 min Scan# 2183

Delta R.T. -0.112 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

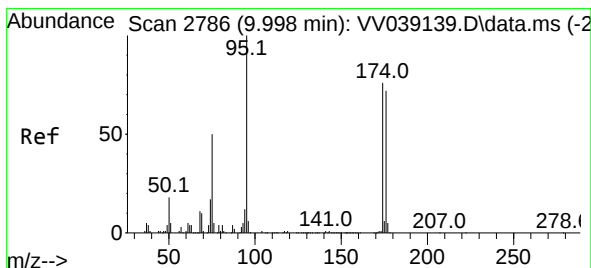
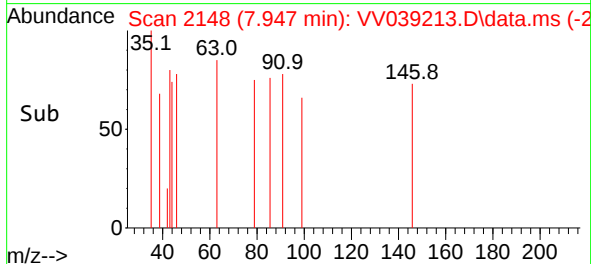
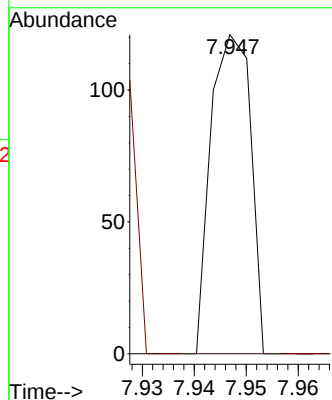
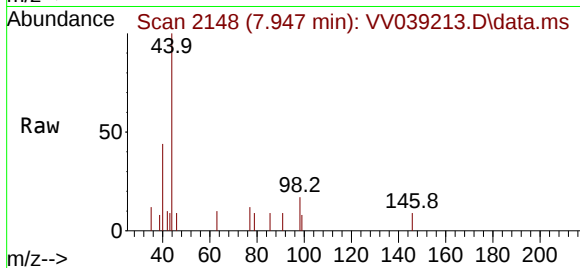
MW-29-092325

Tgt Ion: 43 Resp: 64

Ion Ratio Lower Upper

43 100

58 31.3 28.3 85.0



#62

4-Bromofluorobenzene

Concen: 43.710 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039213.D

Acq: 26 Sep 2025 15:20

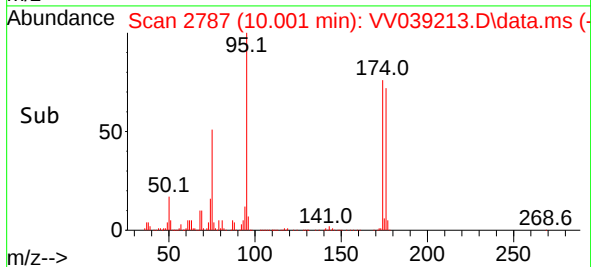
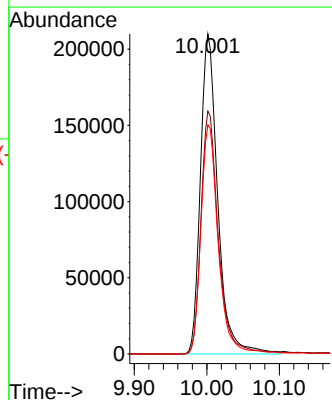
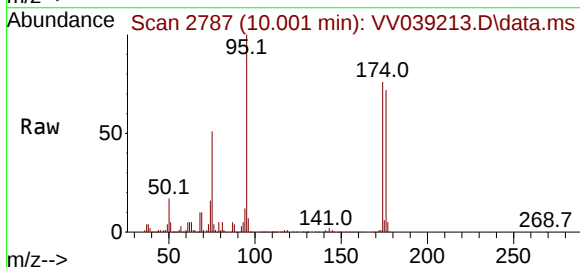
Tgt Ion: 95 Resp: 348361

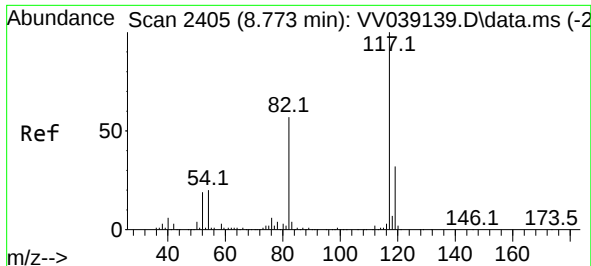
Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.4

176 70.5 0.0 144.2

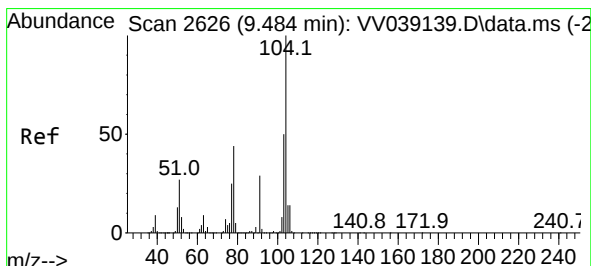
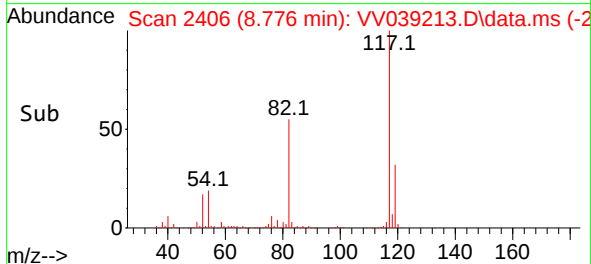
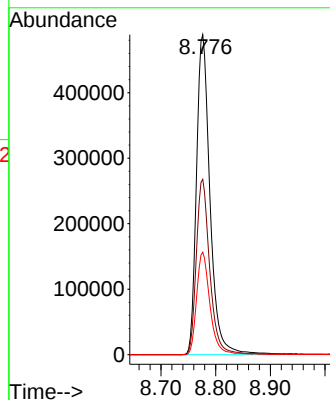
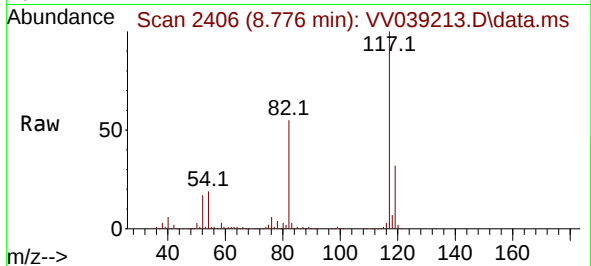




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

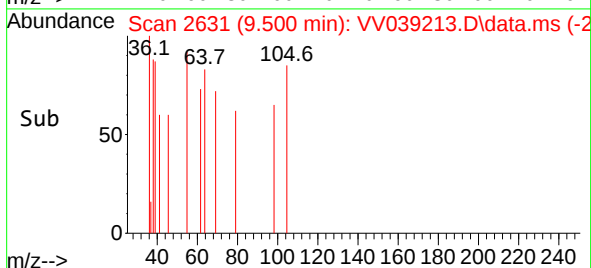
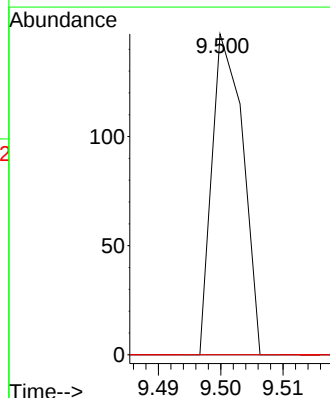
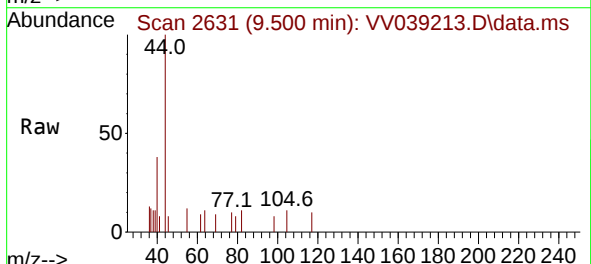
Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

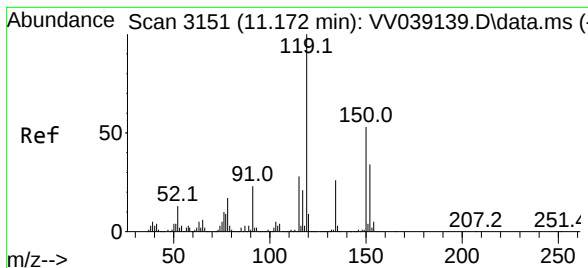
Tgt Ion:117 Resp: 841715
Ion Ratio Lower Upper
117 100
82 54.8 45.4 68.2
119 32.0 25.6 38.4



#70
Styrene
Concen: 1.563 ug/l
RT: 9.500 min Scan# 2631
Delta R.T. 0.016 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion:104 Resp: 51
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: VV039213.D

Acq: 26 Sep 2025 15:20

Instrument :

MSVOA_V

ClientSampleId :

MW-29-092325

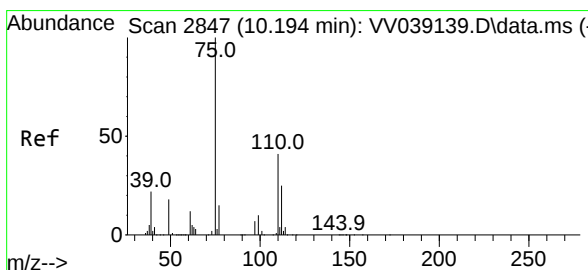
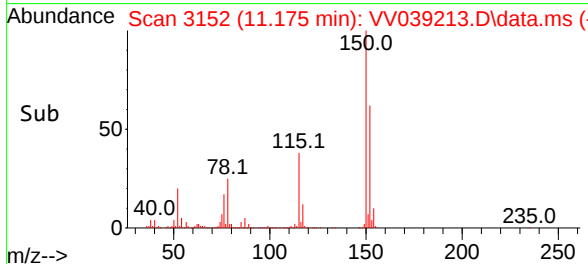
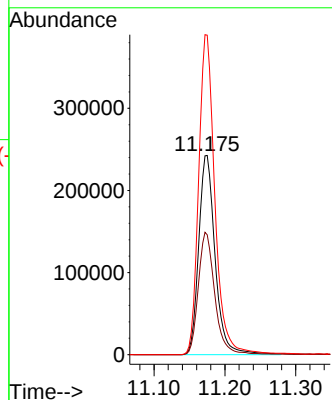
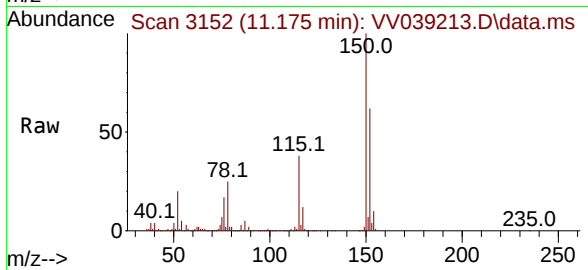
Tgt Ion:152 Resp: 391674

Ion Ratio Lower Upper

152 100

115 61.8 44.8 134.4

150 159.3 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 19.542 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. -0.193 min

Lab File: VV039213.D

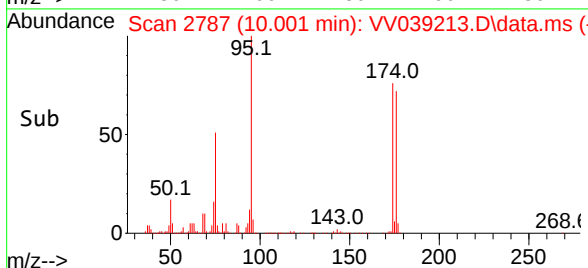
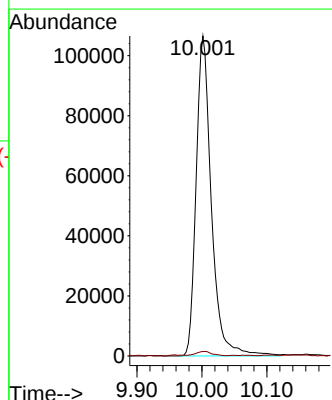
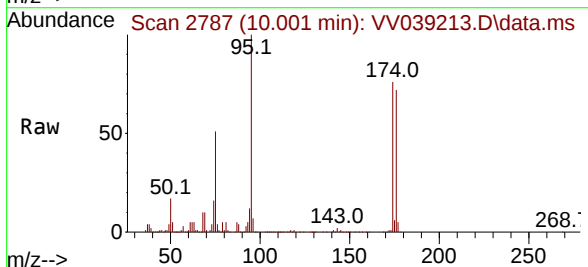
Acq: 26 Sep 2025 15:20

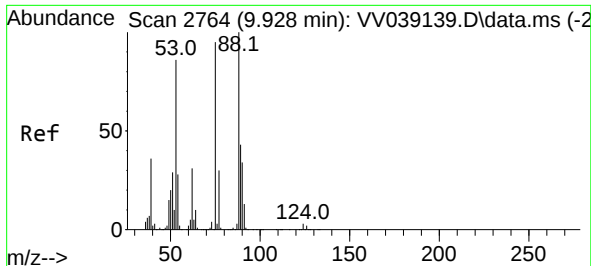
Tgt Ion: 75 Resp: 174270

Ion Ratio Lower Upper

75 100

77 1.3 11.3 33.8#

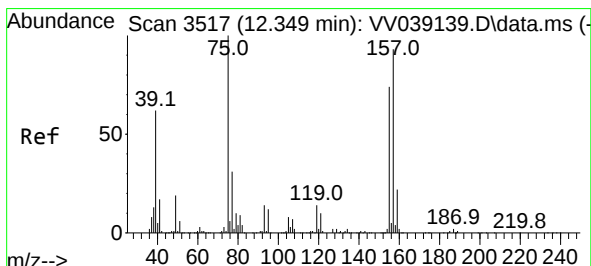
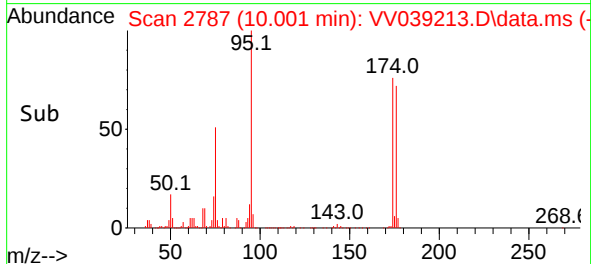
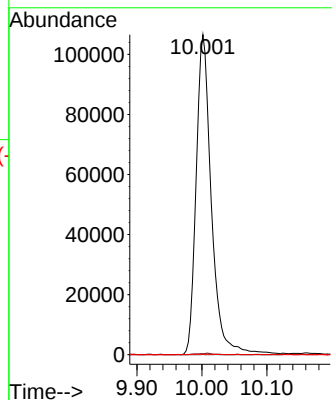
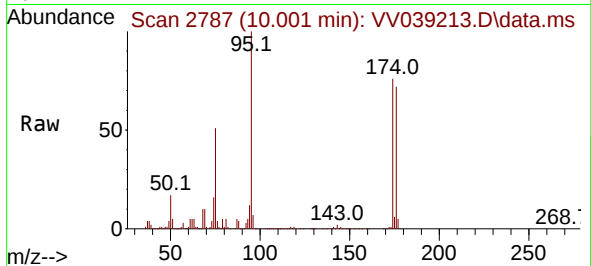




#81
trans-1,4-Dichloro-2-butene
Concen: 46.914 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Instrument :
MSVOA_V
ClientSampleId :
MW-29-092325

Tgt Ion: 75 Resp: 174270
Ion Ratio Lower Upper
75 100
53 0.5 72.5 108.7#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 12.336 min Scan# 3513
Delta R.T. -0.013 min
Lab File: VV039213.D
Acq: 26 Sep 2025 15:20

Tgt Ion: 75 Resp: 43
Ion Ratio Lower Upper
75 100
155 0.0 38.6 115.8#
157 0.0 49.5 148.3#

