

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039158.D
 Acq On : 24 Sep 2025 17:22
 Operator : SY/MD
 Sample : Q3172-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW6D

Quant Time: Sep 25 08:19:58 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	463506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	853323	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	809313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	359745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	368800	54.977	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.960%	
35) Dibromofluoromethane	4.503	113	296563	43.231	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 86.460%	
50) Toluene-d8	7.236	98	901302	44.734	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 89.460%	
62) 4-Bromofluorobenzene	10.001	95	349650	42.155	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 84.320%#	

Target Compounds				Qvalue		
3) Chloromethane	1.204	50	97803	12.417	ug/l #	42
10) Methyl Iodide	2.208	142	1828	0.264	ug/l #	46
11) Tert butyl alcohol	2.574	59	5890	4.154	ug/l #	83
13) Acrolein	2.005	56	168	0.683	ug/l #	1
16) Acetone	2.127	43	44393	5.862	ug/l	97
17) Carbon Disulfide	2.304	76	64393	3.013	ug/l	97
18) Methyl Acetate	2.384	43	11727	1.180	ug/l #	89
19) Methyl tert-butyl Ether	2.722	73	9069	0.407	ug/l	95
20) Methylene Chloride	2.455	84	1662	Below Cal	#	53
21) trans-1,2-Dichloroethene	2.709	96	9864	1.326	ug/l	99
25) 2-Butanone	3.831	43	1331	0.248	ug/l #	78
27) cis-1,2-Dichloroethene	3.835	96	21585	2.631	ug/l	91
31) Cyclohexane	4.600	56	10629	0.888	ug/l #	1
36) 1,1-Dichloropropene	4.603	75	41713	4.022	ug/l #	47
38) Carbon Tetrachloride	4.603	117	54081	4.266	ug/l #	17
40) Benzene	5.024	78	15483	0.458	ug/l	98
41) Methacrylonitrile	4.153	41	167	1.939	ug/l #	19
44) Trichloroethene	5.844	130	41729	5.354	ug/l	93
48) Methyl methacrylate	6.307	41	7420	0.954	ug/l #	31
49) 1,4-Dioxane	6.288	88	47	0.374	ug/l #	1
51) 4-Methyl-2-Pentanone	7.178	43	4076	0.361	ug/l	89
52) Toluene	7.333	92	9747	0.498	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.834	63	53	9.631	ug/l #	47
59) 2-Hexanone	7.979	43	219	2.349	ug/l	84
65) Chlorobenzene	8.802	112	4564932	202.500	ug/l	97
67) Ethyl Benzene	8.953	91	16758	0.491	ug/l	96
68) m/p-Xylenes	9.082	106	10142	0.770	ug/l	89
70) Styrene	9.535	104	80	1.565	ug/l #	1
76) 1,2,3-Trichloropropane	10.001	75	176088	21.498	ug/l #	55
81) trans-1,4-Dichloro-2-b...	10.001	75	176088	51.611	ug/l #	13
84) 1,2,4-Trimethylbenzene	10.850	105	10972	0.521	ug/l	94
87) 1,3-Dichlorobenzene	11.120	146	7410	0.541	ug/l	95
88) 1,4-Dichlorobenzene	11.201	146	91622	6.096	ug/l	98
91) 1,2-Dichlorobenzene	11.571	146	84138	6.573	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.336	75	2116	Below Cal	#	5
95) Naphthalene	13.451	128	6422	0.271	ug/l #	81

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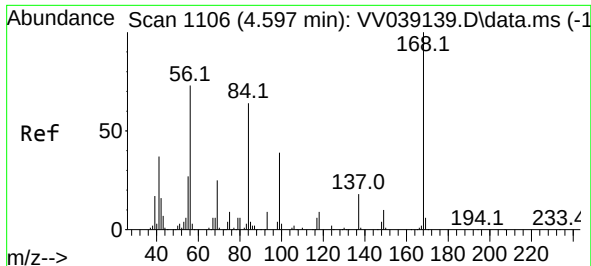
Quant Time: Sep 25 08:19:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

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

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

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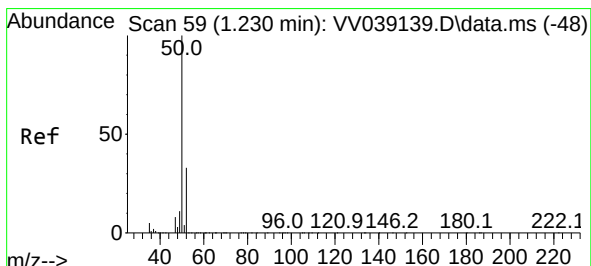
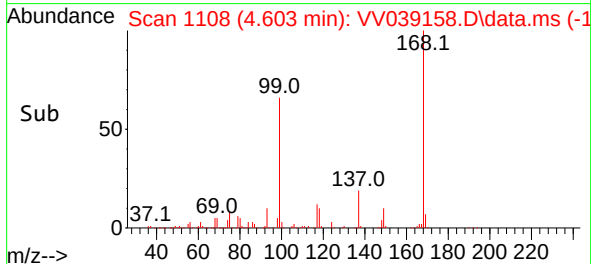
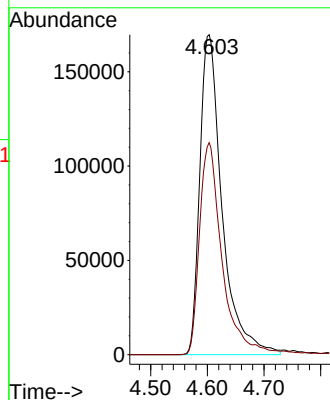
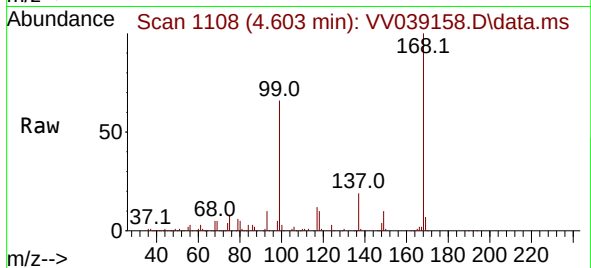




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

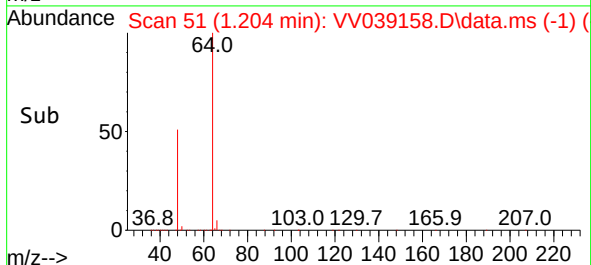
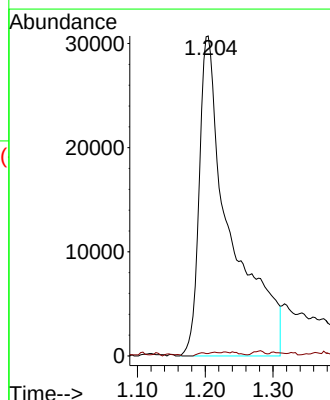
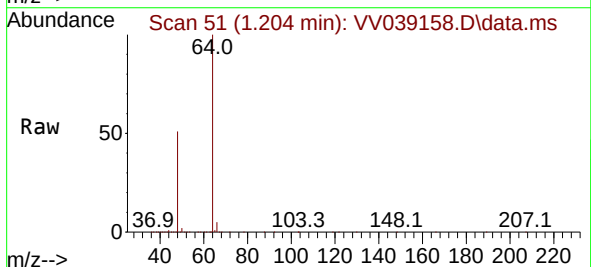
Instrument :
MSVOA_V
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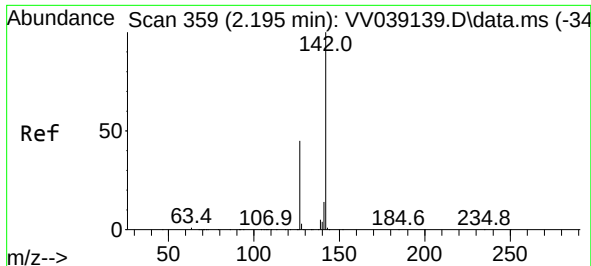
Tgt Ion:168 Resp: 463506
Ion Ratio Lower Upper
168 100
99 66.3 49.6 74.4



#3
Chloromethane
Concen: 12.417 ug/l
RT: 1.204 min Scan# 51
Delta R.T. -0.026 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 50 Resp: 97803
Ion Ratio Lower Upper
50 100
52 0.1 26.0 39.0#

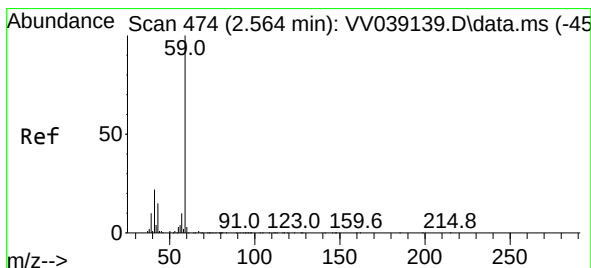
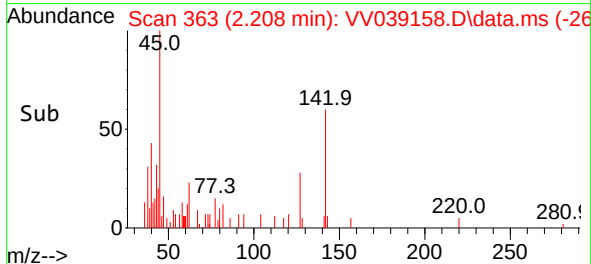
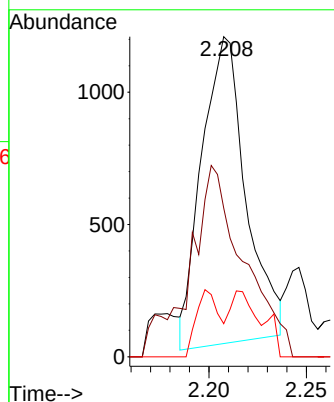
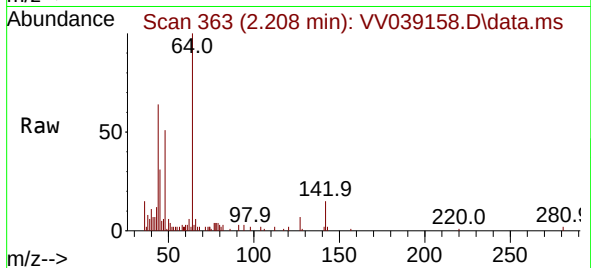




#10
Methyl Iodide
Concen: 0.264 ug/l
RT: 2.208 min Scan# 30
Delta R.T. 0.013 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

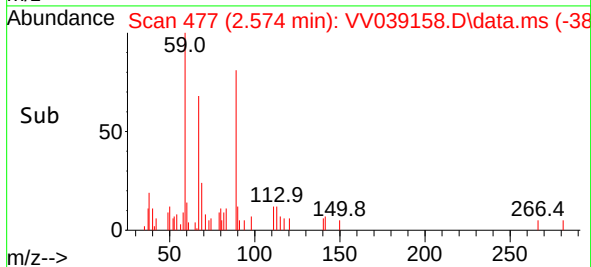
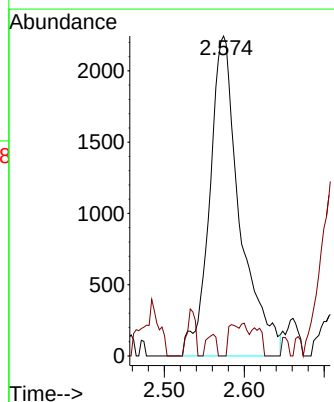
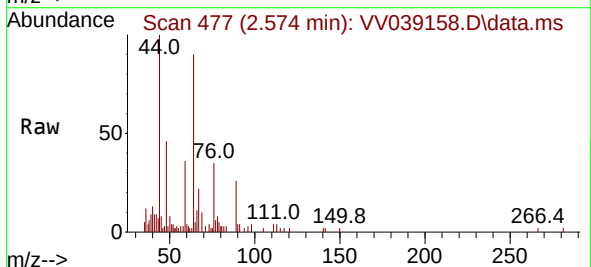
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MSVOA_V
ClientSampleId :
FW6D

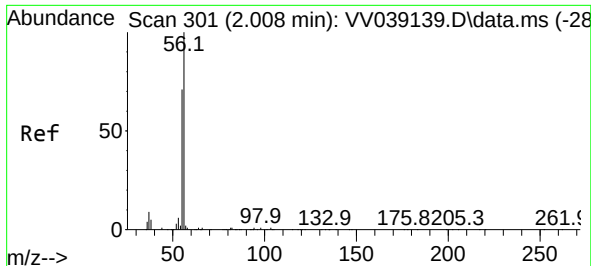
Tgt Ion:142 Resp: 1828
Ion Ratio Lower Upper
142 100
127 0.0 36.3 54.5#
141 15.2 11.2 16.8



#11
Tert butyl alcohol
Concen: 4.154 ug/l
RT: 2.574 min Scan# 477
Delta R.T. 0.010 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 59 Resp: 5890
Ion Ratio Lower Upper
59 100
57 3.4 7.8 11.8#

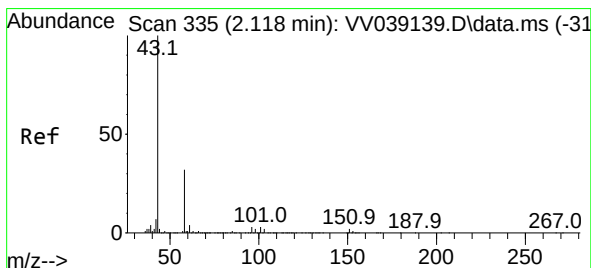
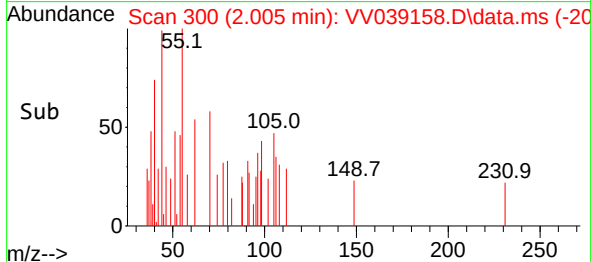
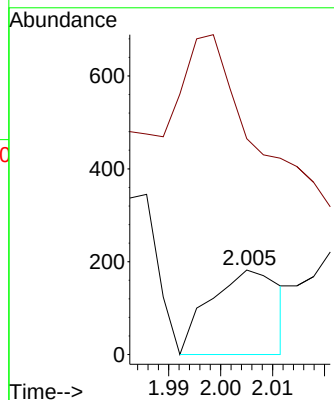
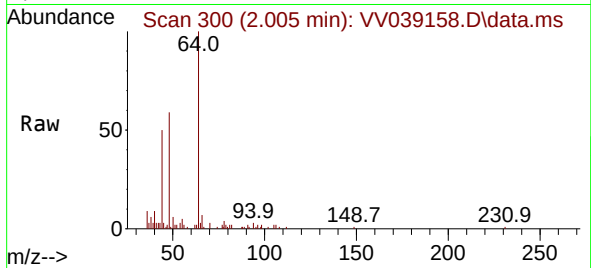




#13
Acrolein
Concen: 0.683 ug/l
RT: 2.005 min Scan# 301
Delta R.T. -0.003 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

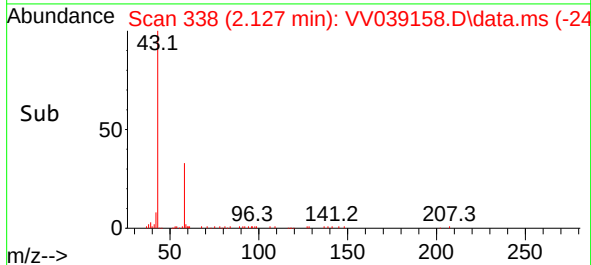
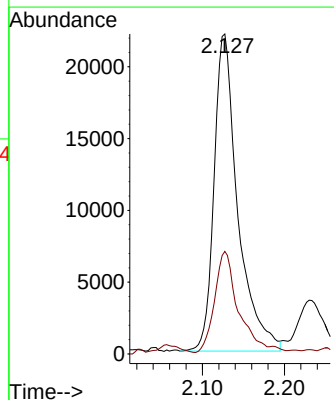
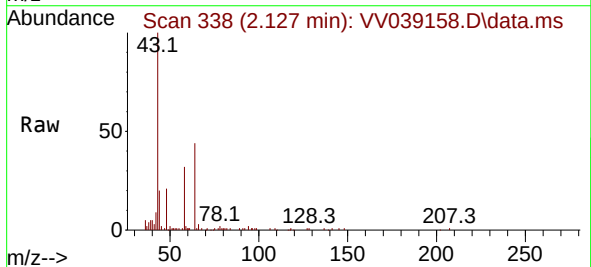
Instrument :
MSVOA_V
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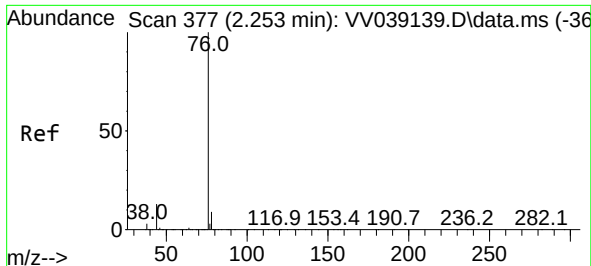
Tgt Ion: 56 Resp: 168
Ion Ratio Lower Upper
56 100
55 303.0 56.2 84.4#



#16
Acetone
Concen: 5.862 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 43 Resp: 44393
Ion Ratio Lower Upper
43 100
58 30.7 25.8 38.6

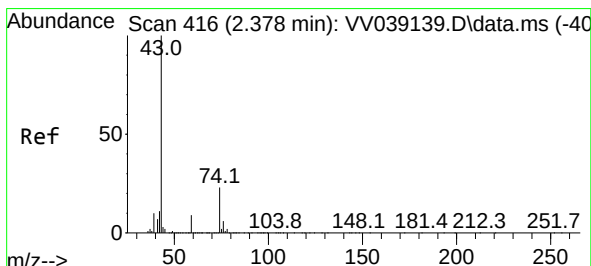
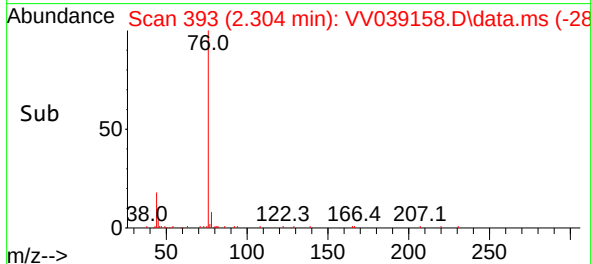
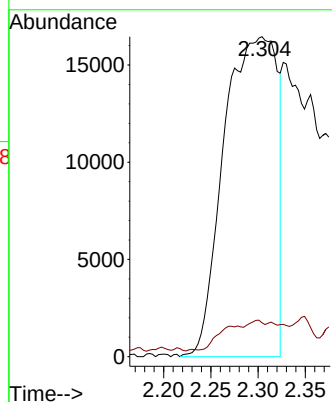
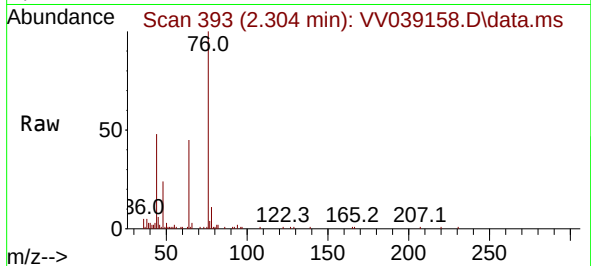




#17
Carbon Disulfide
Concen: 3.013 ug/l
RT: 2.304 min Scan# 393
Delta R.T. 0.051 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

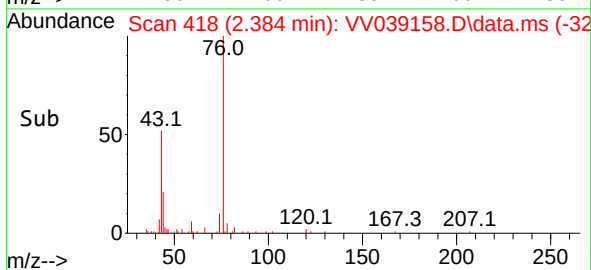
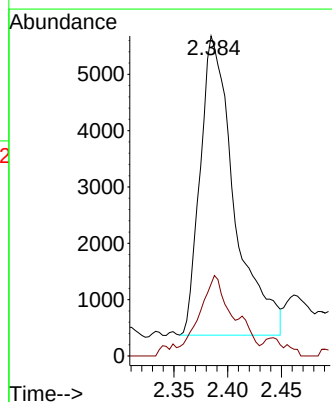
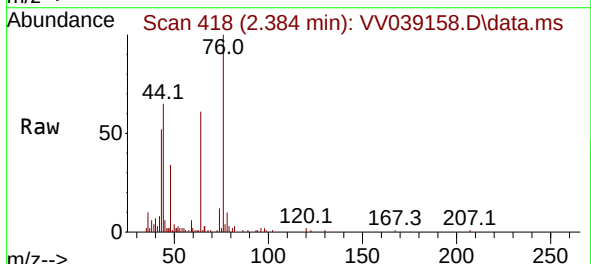
Instrument :
MSVOA_V
ClientSampleId :
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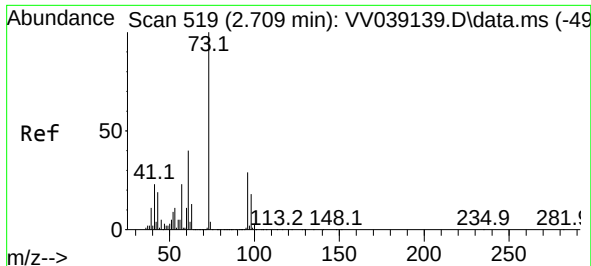
Tgt Ion: 76 Resp: 64393
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#18
Methyl Acetate
Concen: 1.180 ug/l
RT: 2.384 min Scan# 418
Delta R.T. 0.006 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 43 Resp: 11727
Ion Ratio Lower Upper
43 100
74 18.0 18.6 27.8#





#19

Methyl tert-butyl Ether

Concen: 0.407 ug/l

RT: 2.722 min Scan# 519

Delta R.T. 0.013 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

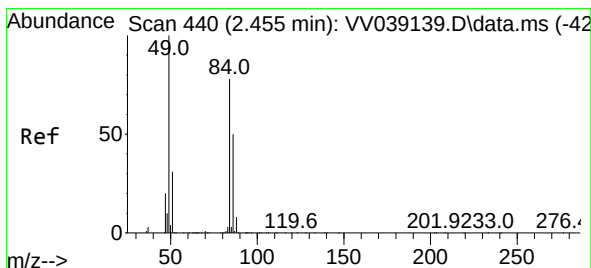
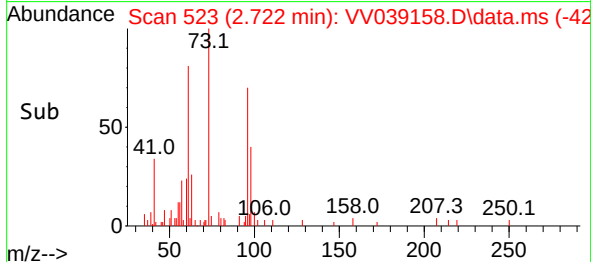
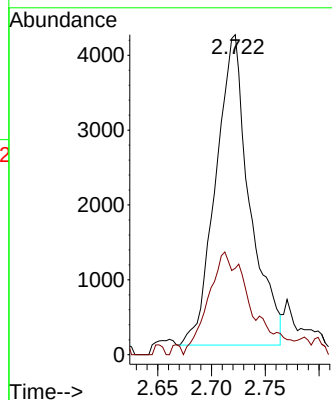
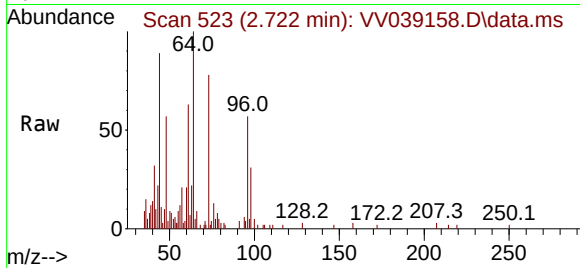
FW6D

Tgt Ion: 73 Resp: 9069

Ion Ratio Lower Upper

73 100

57 25.2 18.2 27.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.455 min Scan# 440

Delta R.T. 0.000 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Tgt Ion: 84 Resp: 1662

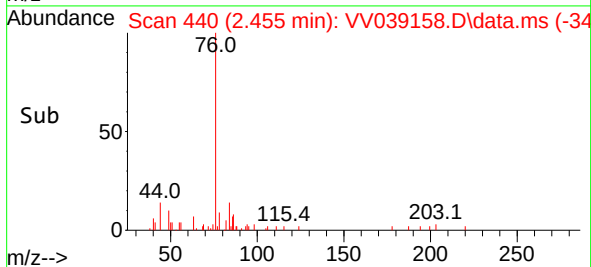
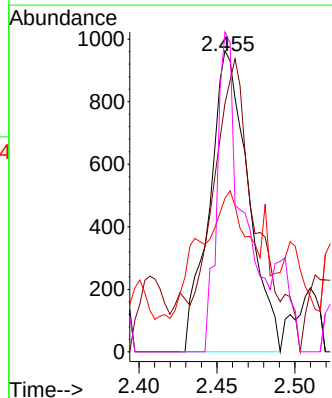
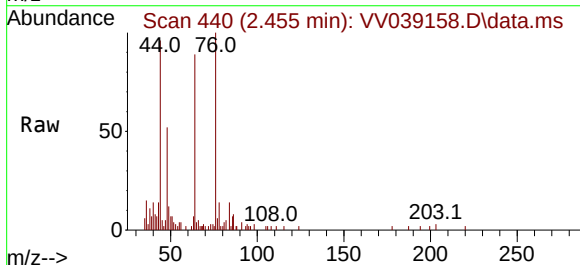
Ion Ratio Lower Upper

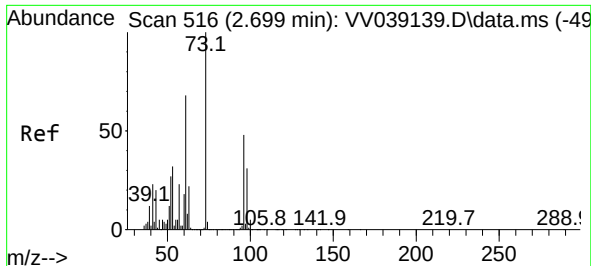
84 100

49 65.8 102.8 154.2#

51 31.8 31.9 47.9#

86 106.2 51.2 76.8#

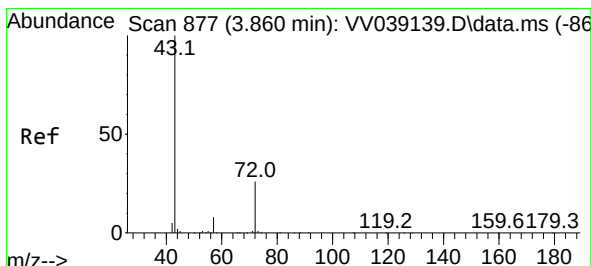
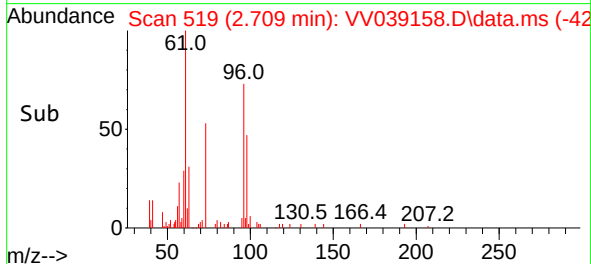
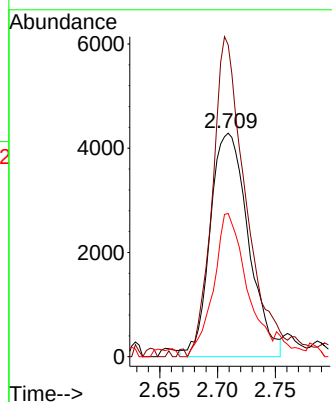
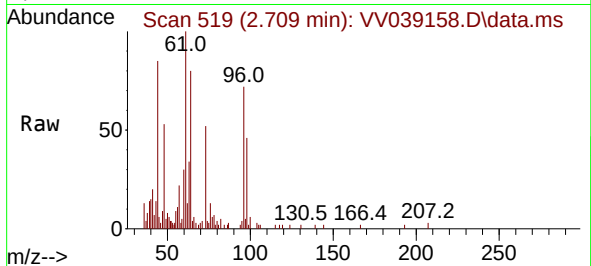




#21
trans-1,2-Dichloroethene
Concen: 1.326 ug/l
RT: 2.709 min Scan# 516
Delta R.T. 0.010 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

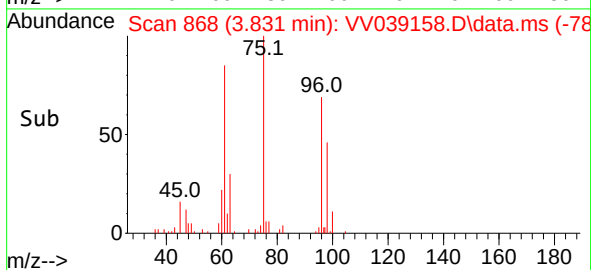
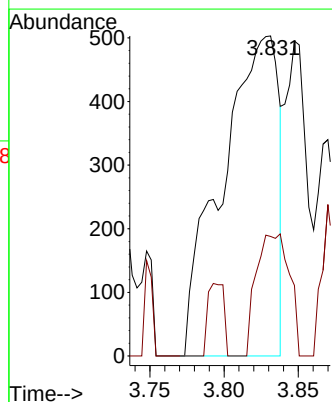
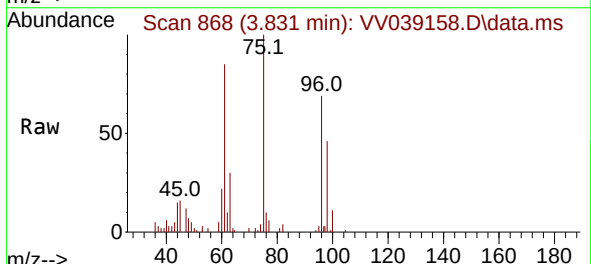
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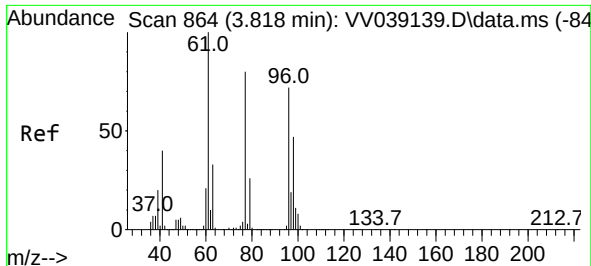
Tgt Ion: 96 Resp: 9864
Ion Ratio Lower Upper
96 100
61 140.1 112.8 169.2
98 65.9 51.1 76.7



#25
2-Butanone
Concen: 0.248 ug/l
RT: 3.831 min Scan# 868
Delta R.T. -0.029 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
72 37.4 21.0 31.6#

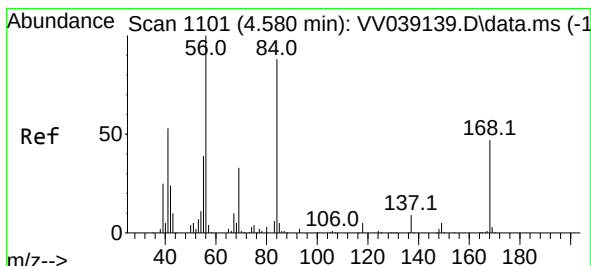
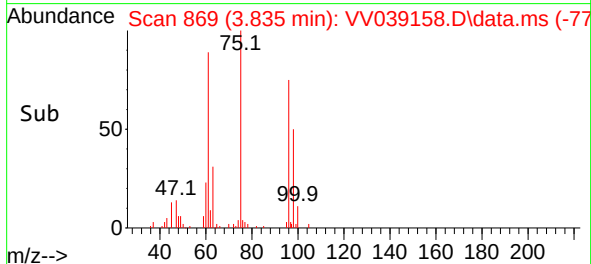
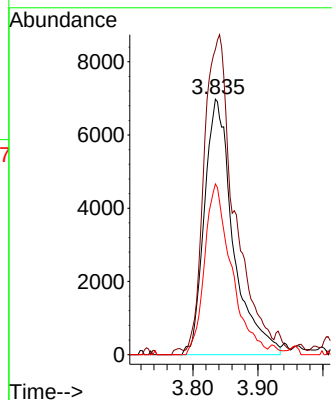
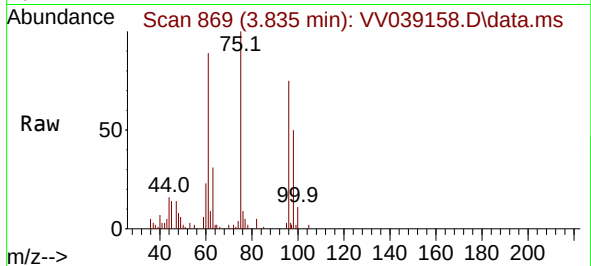




#27
 cis-1,2-Dichloroethene
 Concen: 2.631 ug/l
 RT: 3.835 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VV039158.D
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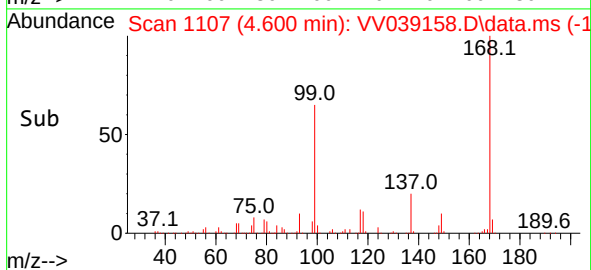
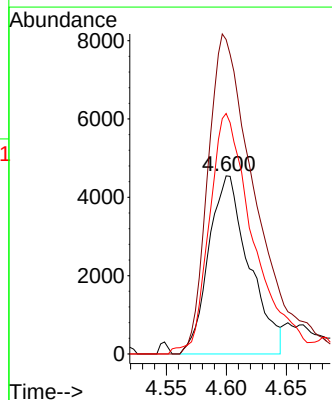
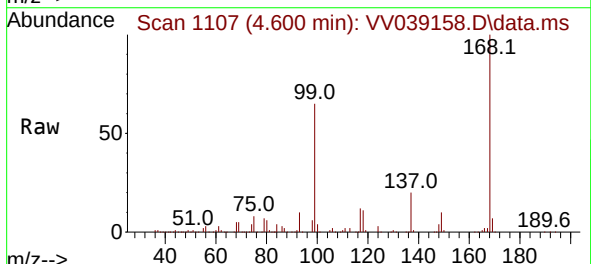
Instrument :
 MSVOA_V
 ClientSampleId :
 FW6D

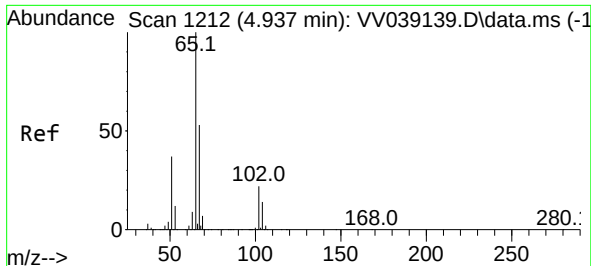
Tgt Ion: 96 Resp: 21585
 Ion Ratio Lower Upper
 96 100
 61 127.5 0.0 286.4
 98 62.1 0.0 126.6



#31
 Cyclohexane
 Concen: 0.888 ug/l
 RT: 4.600 min Scan# 1107
 Delta R.T. 0.019 min
 Lab File: VV039158.D
 Acq: 24 Sep 2025 17:22

Tgt Ion: 56 Resp: 10629
 Ion Ratio Lower Upper
 56 100
 69 176.6 26.2 39.2#
 84 131.5 70.3 105.5#





#33

1,2-Dichloroethane-d4

Concen: 54.977 ug/l

RT: 4.944 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

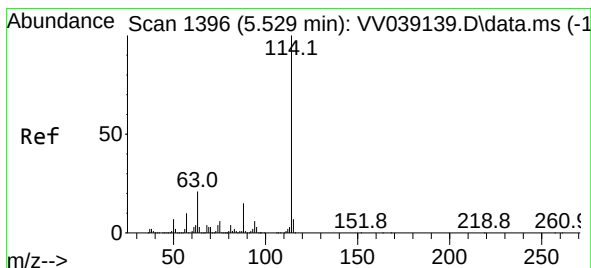
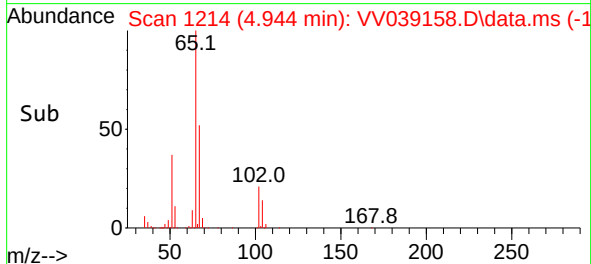
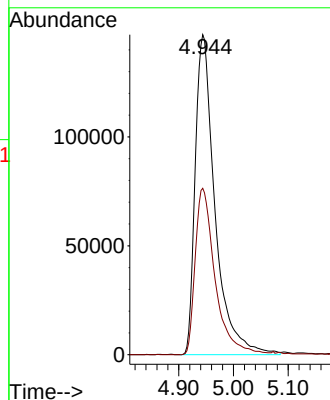
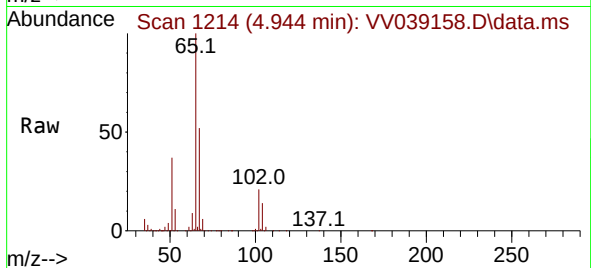
FW6D

Tgt Ion: 65 Resp: 368800

Ion Ratio Lower Upper

65 100

67 52.4 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: VV039158.D

Acq: 24 Sep 2025 17:22

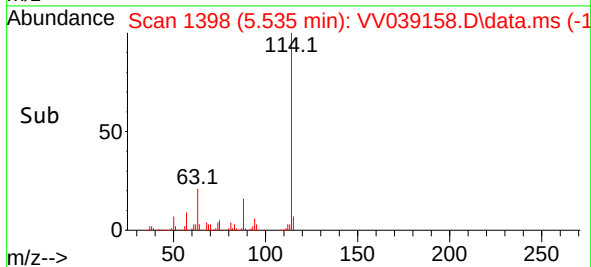
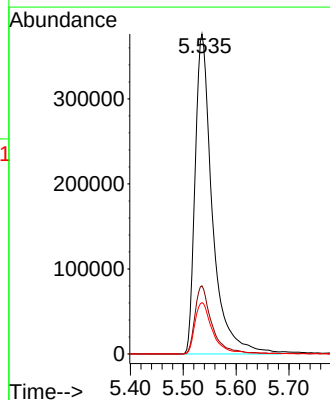
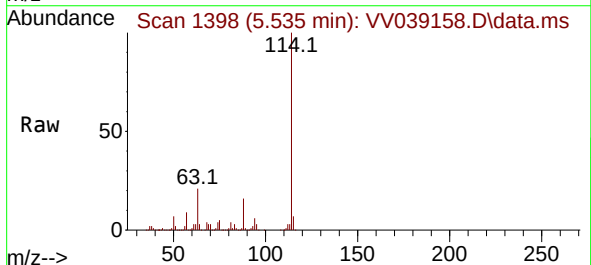
Tgt Ion: 114 Resp: 853323

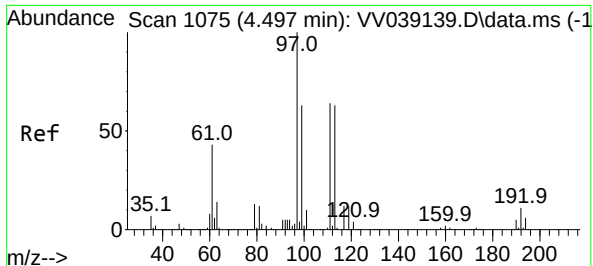
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.231 ug/l

RT: 4.503 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

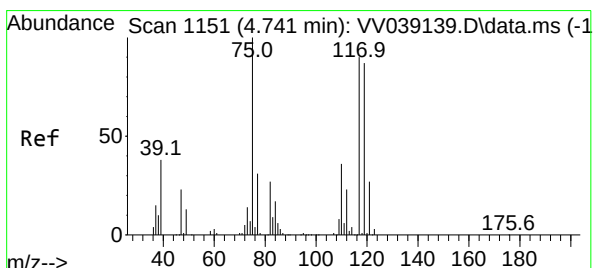
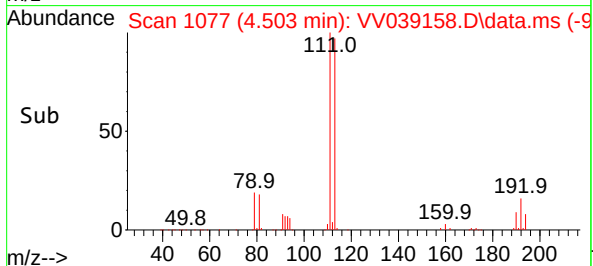
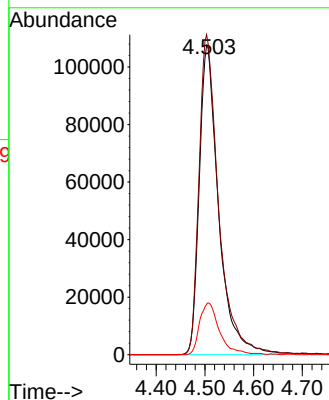
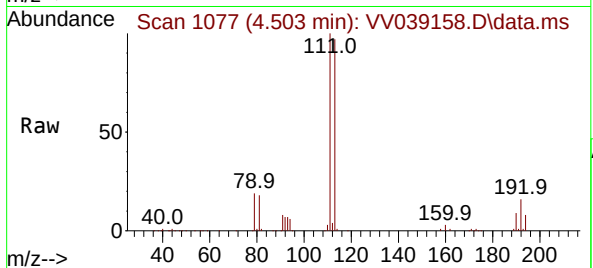
Tgt Ion:113 Resp: 296563

Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

192 17.1 13.8 20.8



#36

1,1-Dichloropropene

Concen: 4.022 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.138 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

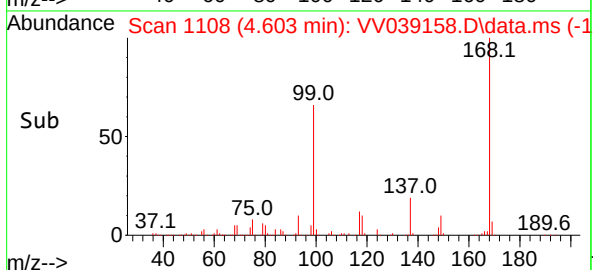
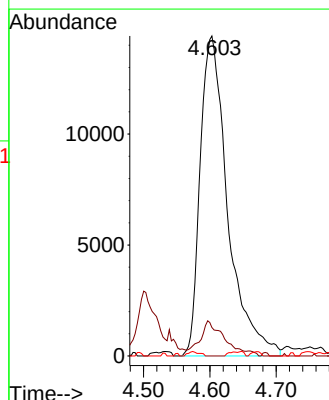
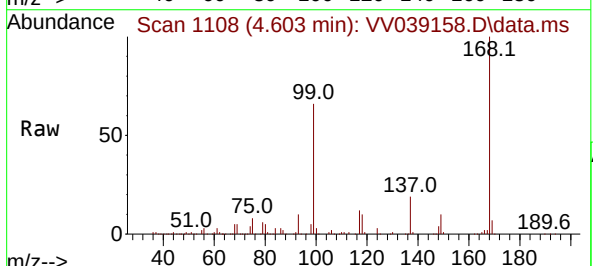
Tgt Ion: 75 Resp: 41713

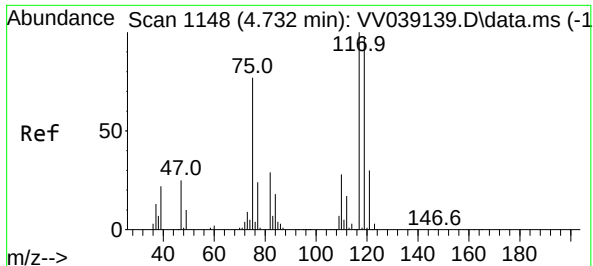
Ion Ratio Lower Upper

75 100

110 6.7 18.1 54.1#

77 0.0 24.8 37.2#

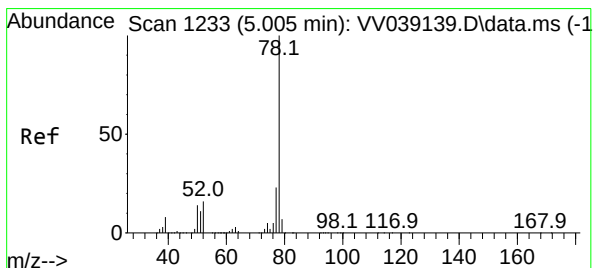
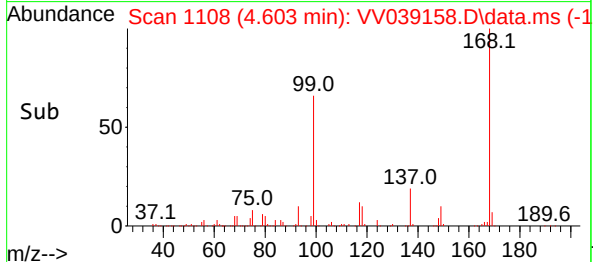
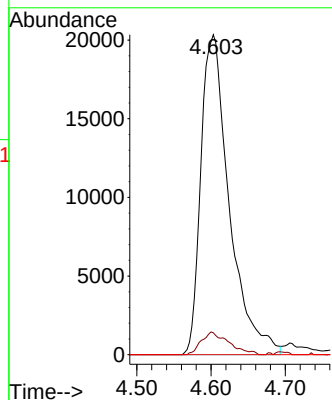
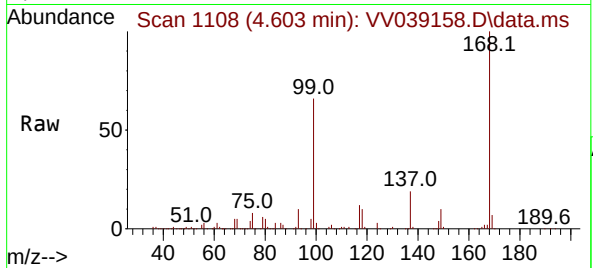




#38
Carbon Tetrachloride
Concen: 4.266 ug/l
RT: 4.603 min Scan# 1148
Delta R.T. -0.129 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

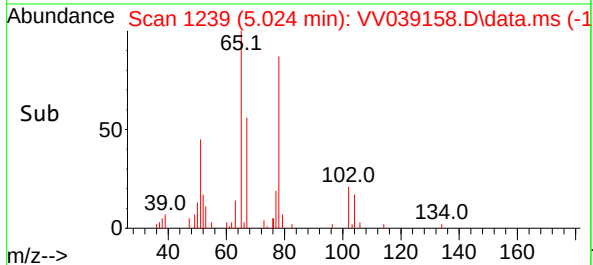
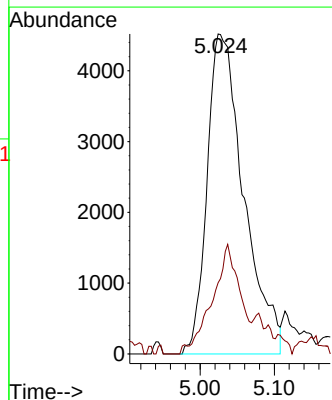
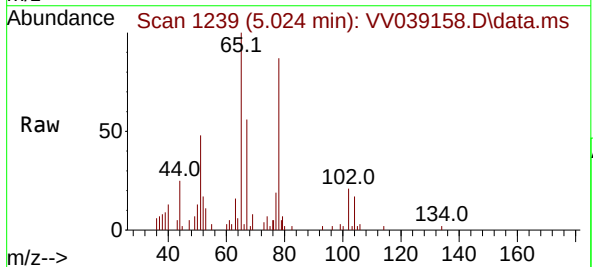
Instrument :
MSVOA_V
ClientSampleId :
FW6D

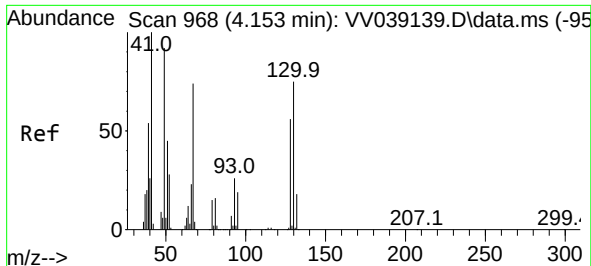
Tgt Ion:117 Resp: 54081
Ion Ratio Lower Upper
117 100
119 6.9 77.2 115.8#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.458 ug/l
RT: 5.024 min Scan# 1239
Delta R.T. 0.019 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 78 Resp: 15483
Ion Ratio Lower Upper
78 100
77 22.2 18.7 28.1

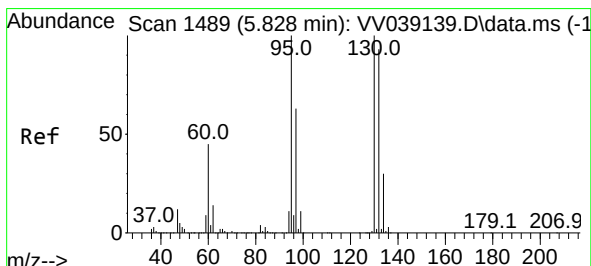
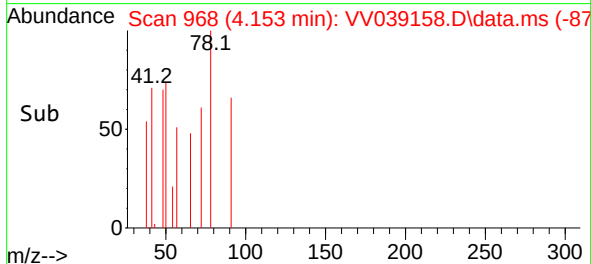
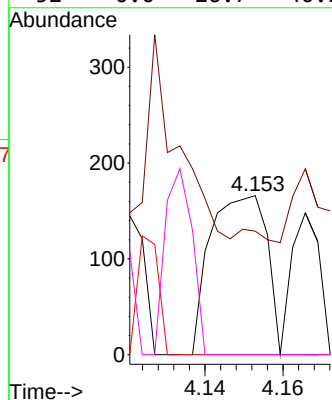
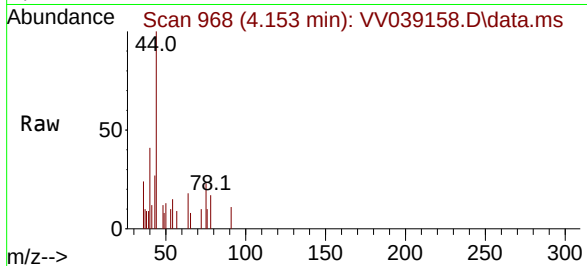




#41
Methacrylonitrile
Concen: 1.939 ug/l
RT: 4.153 min Scan# 901
Delta R.T. -0.000 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

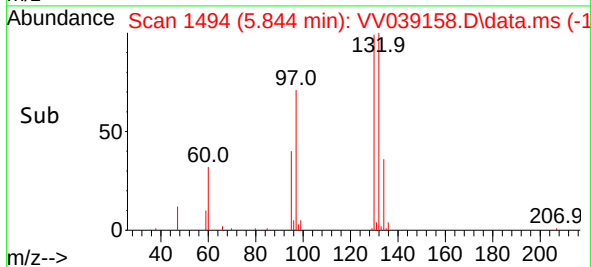
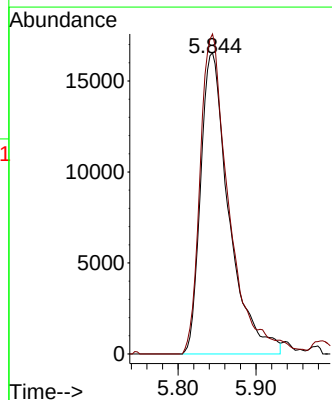
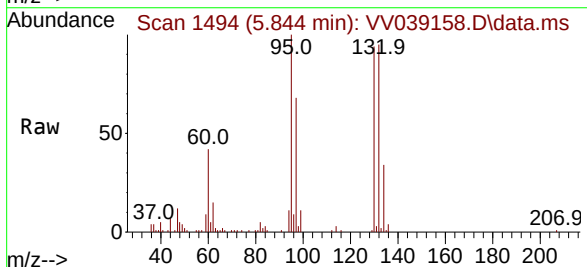
Instrument :
MSVOA_V
ClientSampleId :
FW6D

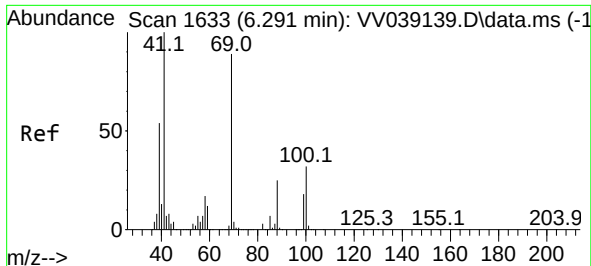
Tgt Ion:	41	Resp:	167
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.2	63.2#
67	0.0	67.9	101.9#
52	0.0	26.7	40.1#



#44
Trichloroethene
Concen: 5.354 ug/l
RT: 5.844 min Scan# 1494
Delta R.T. 0.016 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion:	130	Resp:	41729
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	199.2





#48

Methyl methacrylate

Concen: 0.954 ug/l

RT: 6.307 min Scan# 1

Delta R.T. 0.016 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

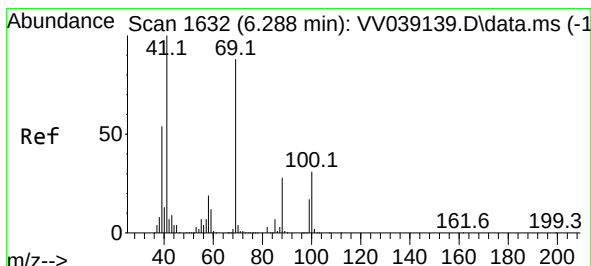
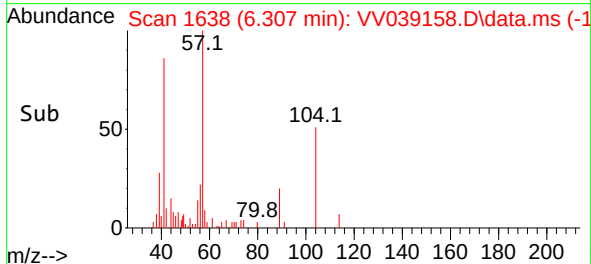
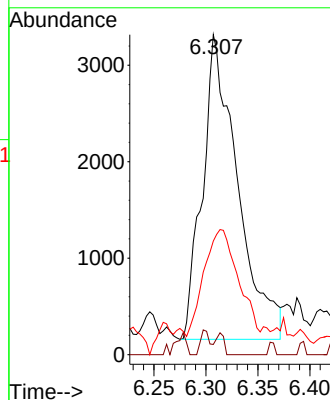
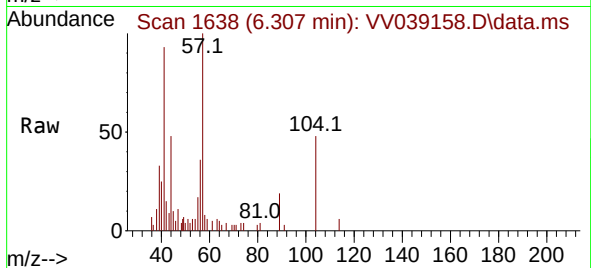
Tgt Ion: 41 Resp: 7420

Ion Ratio Lower Upper

41 100

69 1.5 72.4 108.6#

39 35.1 42.5 63.7#



#49

1,4-Dioxane

Concen: 0.374 ug/l

RT: 6.288 min Scan# 1632

Delta R.T. 0.000 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

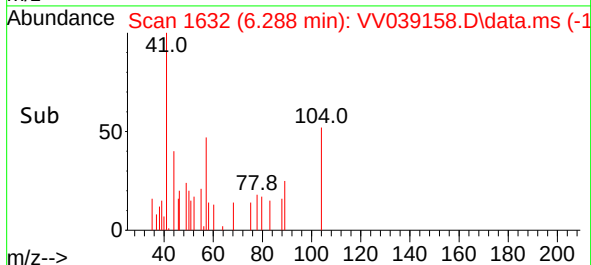
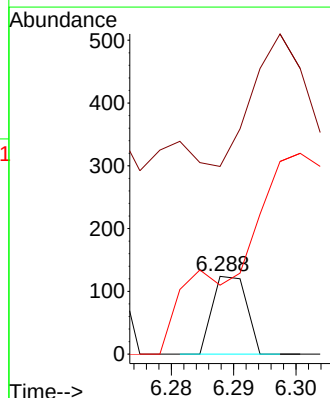
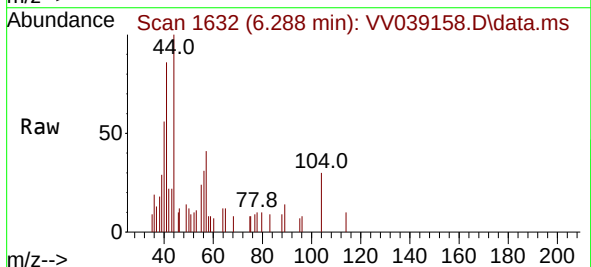
Tgt Ion: 88 Resp: 47

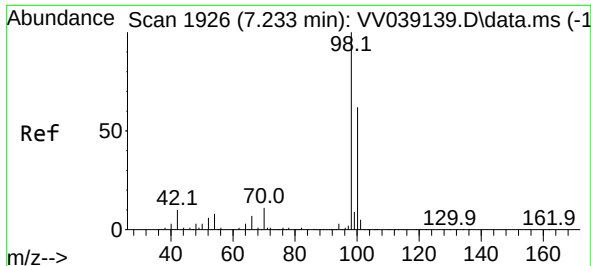
Ion Ratio Lower Upper

88 100

43 270.2 25.1 37.7#

58 1238.3 53.6 80.4#

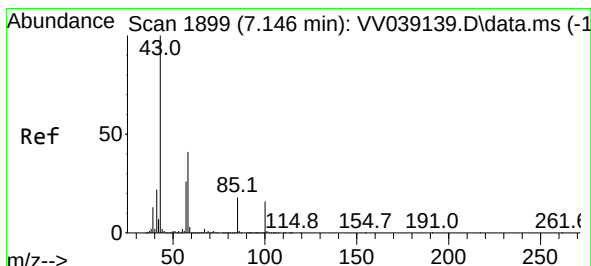
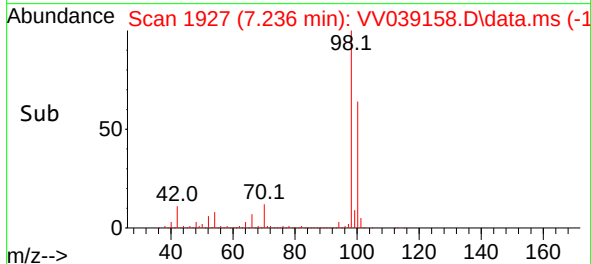
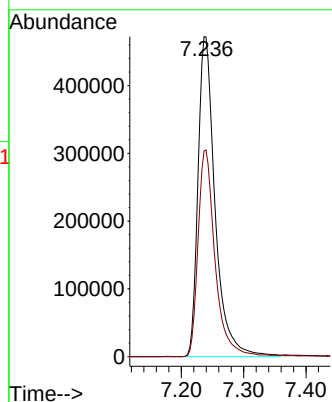
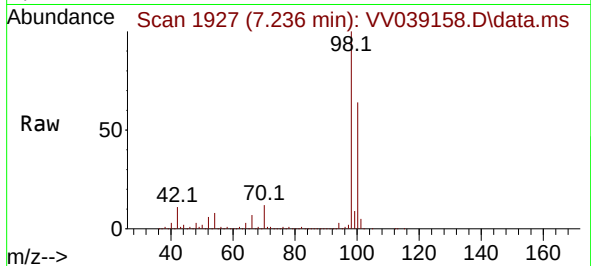




#50
Toluene-d8
Concen: 44.734 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

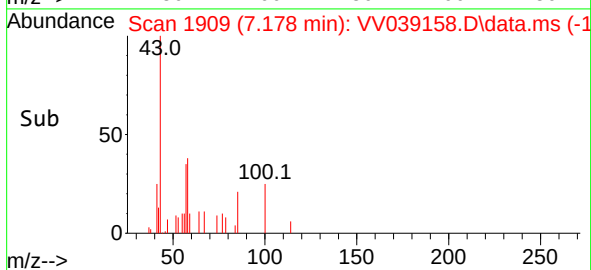
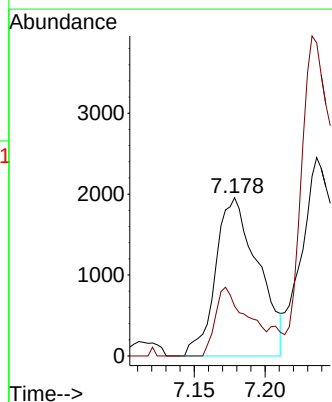
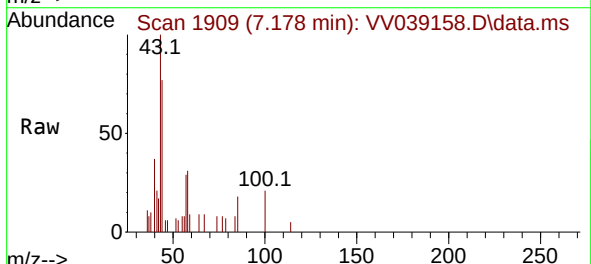
Instrument :
MSVOA_V
ClientSampleId :
FW6D

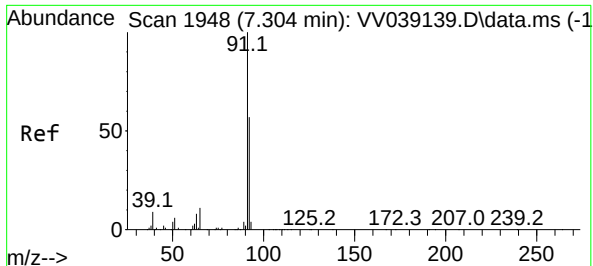
Tgt Ion: 98 Resp: 901302
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.361 ug/l
RT: 7.178 min Scan# 1909
Delta R.T. 0.032 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 43 Resp: 4076
Ion Ratio Lower Upper
43 100
58 33.4 32.3 48.5

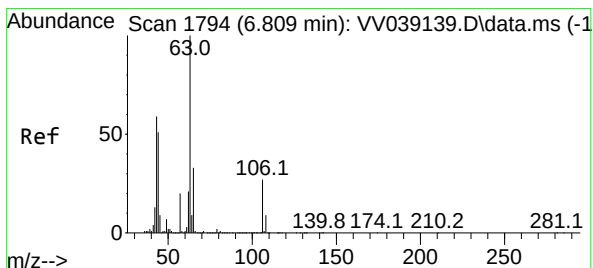
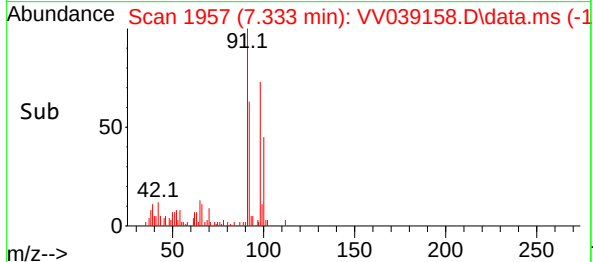
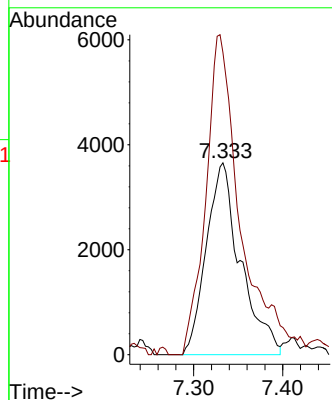
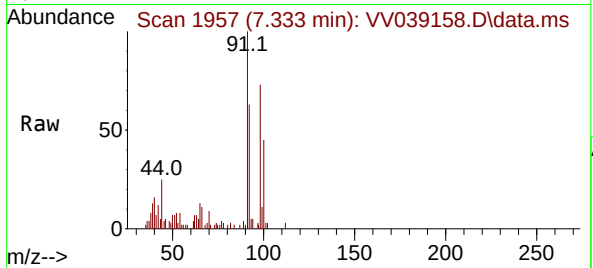




#52
Toluene
Concen: 0.498 ug/l
RT: 7.333 min Scan# 1948
Delta R.T. 0.029 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

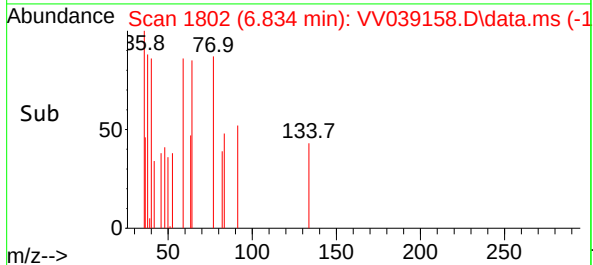
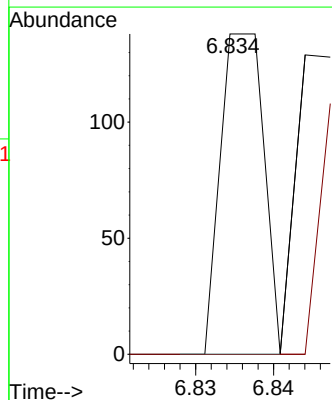
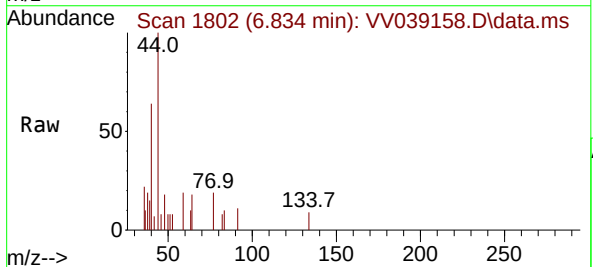
Instrument :
MSVOA_V
ClientSampleId :
FW6D

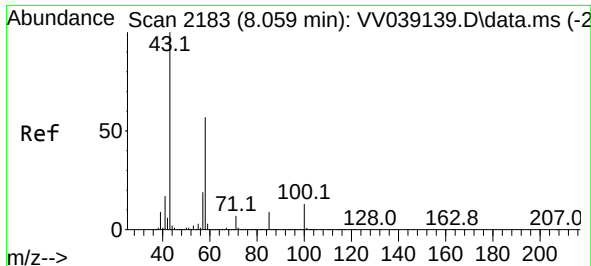
Tgt Ion: 92 Resp: 9747
Ion Ratio Lower Upper
92 100
91 169.6 139.2 208.8



#58
2-Chloroethyl Vinyl ether
Concen: 9.631 ug/l
RT: 6.834 min Scan# 1802
Delta R.T. 0.025 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

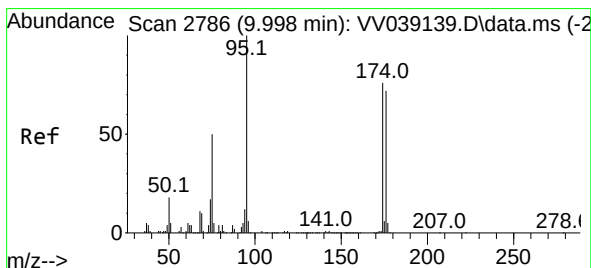
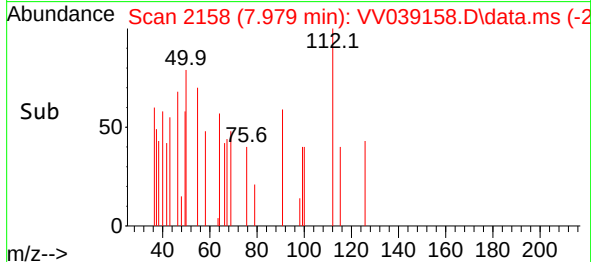
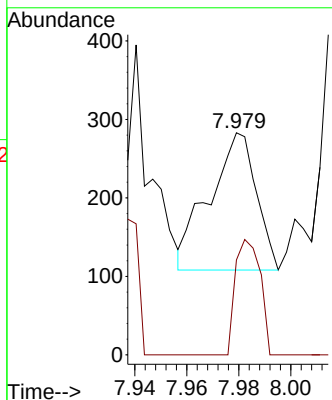
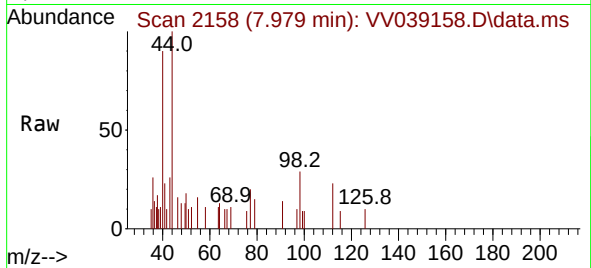




#59
2-Hexanone
Concen: 2.349 ug/l
RT: 7.979 min Scan# 2183
Delta R.T. -0.080 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

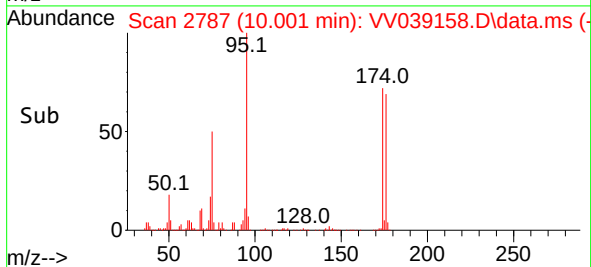
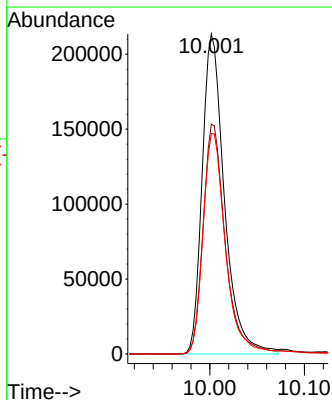
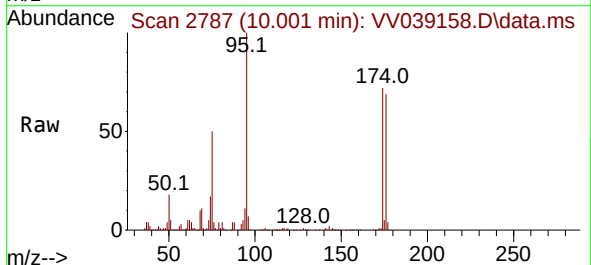
Instrument :
MSVOA_V
ClientSampleId :
FW6D

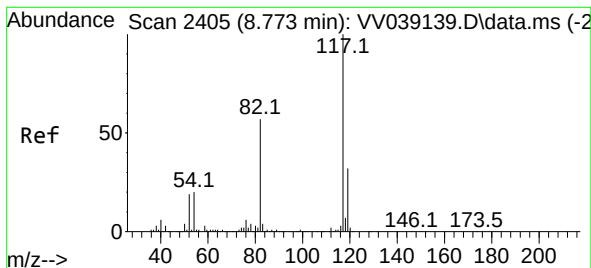
Tgt Ion: 43 Resp: 219
Ion Ratio Lower Upper
43 100
58 44.7 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 42.155 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 95 Resp: 349650
Ion Ratio Lower Upper
95 100
174 71.6 0.0 150.4
176 70.2 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: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

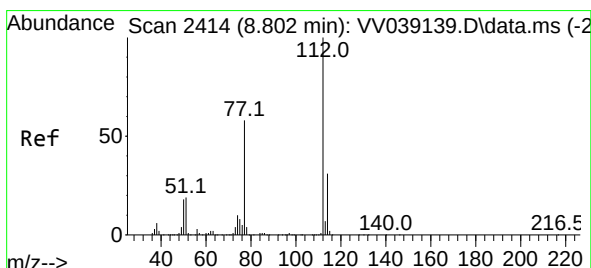
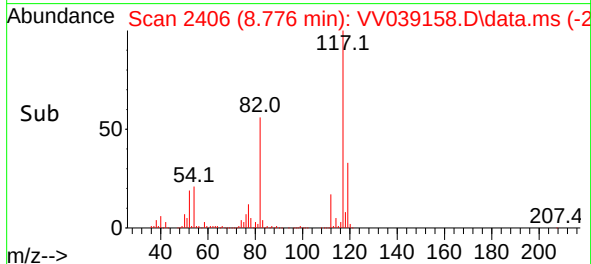
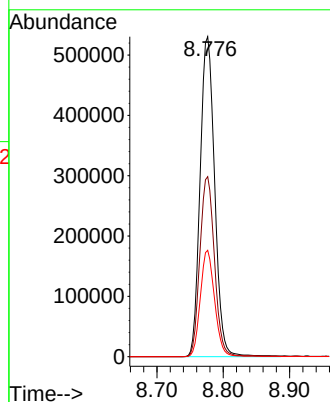
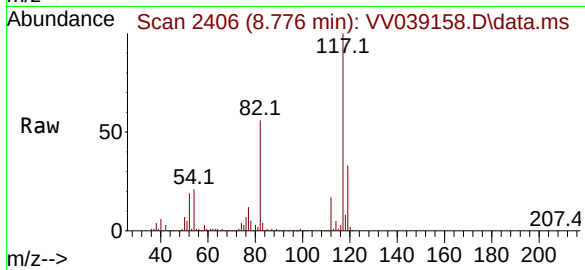
Tgt Ion:117 Resp: 809313

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.2

119 33.2 25.6 38.4



#65

Chlorobenzene

Concen: 202.500 ug/l

RT: 8.802 min Scan# 2414

Delta R.T. 0.000 min

Lab File: VV039158.D

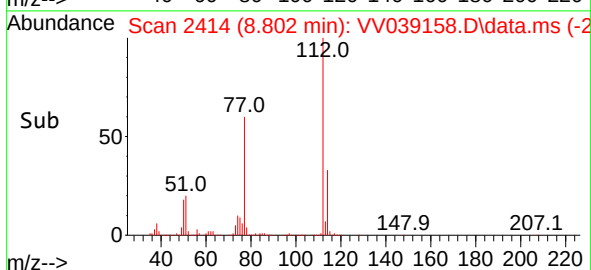
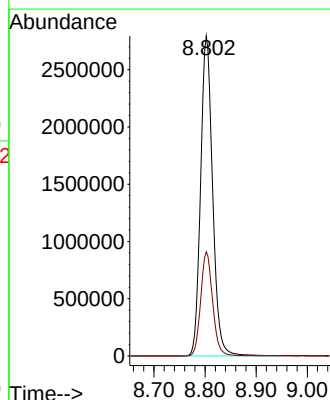
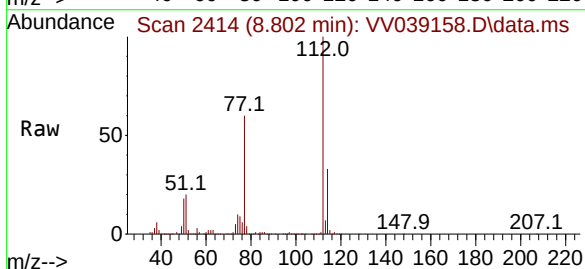
Acq: 24 Sep 2025 17:22

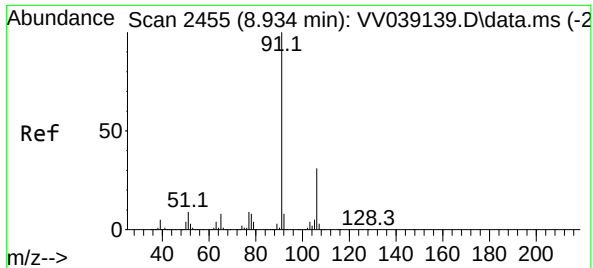
Tgt Ion:112 Resp: 4564932

Ion Ratio Lower Upper

112 100

114 32.6 24.6 37.0





#67

Ethyl Benzene

Concen: 0.491 ug/l

RT: 8.953 min Scan# 2455

Delta R.T. 0.019 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

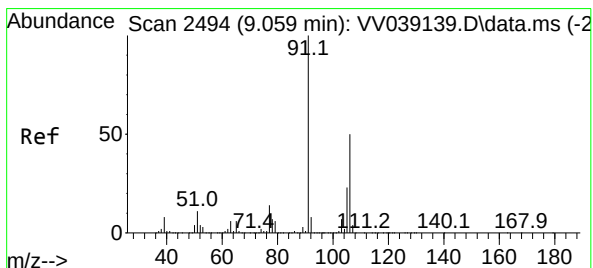
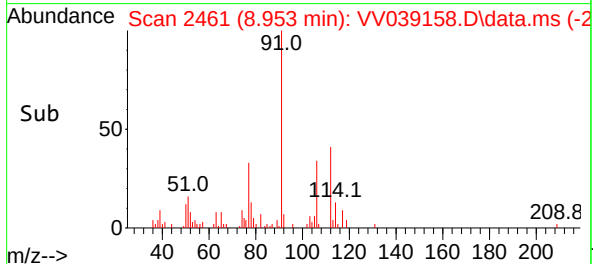
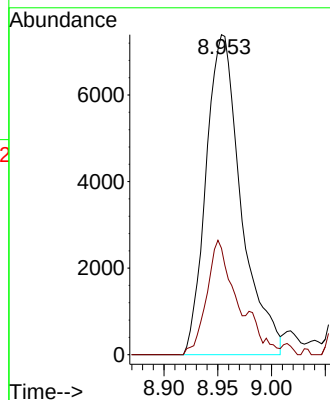
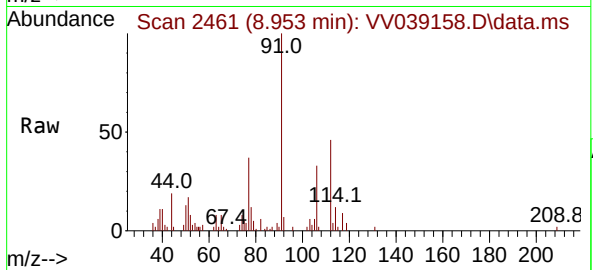
FW6D

Tgt Ion: 91 Resp: 16758

Ion Ratio Lower Upper

91 100

106 33.3 24.6 37.0



#68

m/p-Xylenes

Concen: 0.770 ug/l

RT: 9.082 min Scan# 2501

Delta R.T. 0.023 min

Lab File: VV039158.D

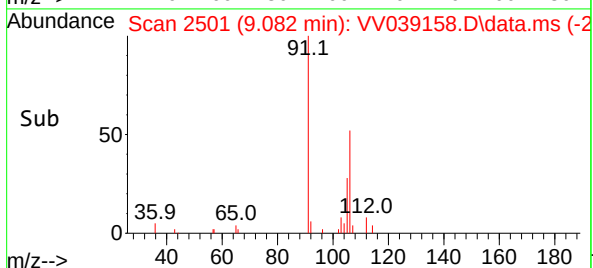
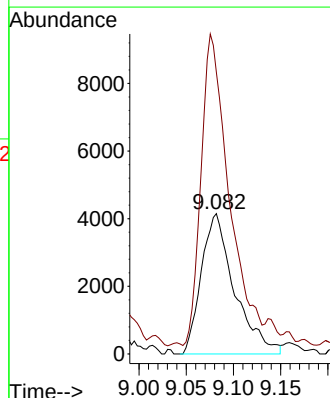
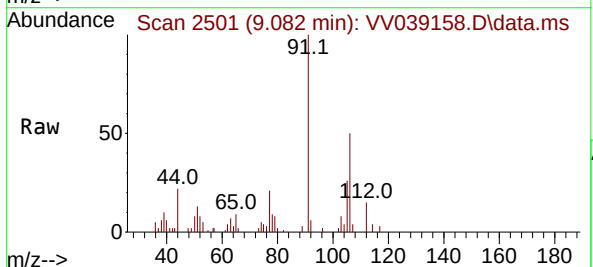
Acq: 24 Sep 2025 17:22

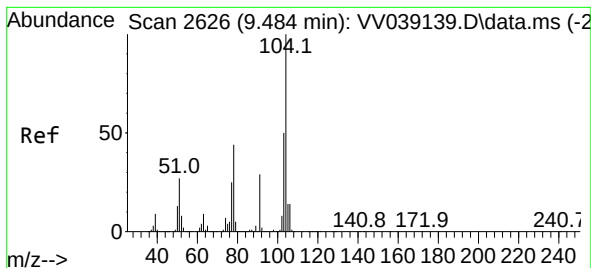
Tgt Ion: 106 Resp: 10142

Ion Ratio Lower Upper

106 100

91 186.5 162.5 243.7





#70

Styrene

Concen: 1.565 ug/l

RT: 9.535 min Scan# 2

Delta R.T. 0.051 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

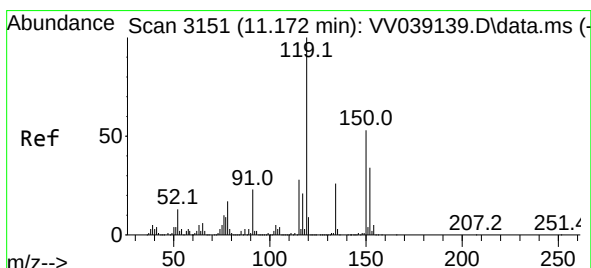
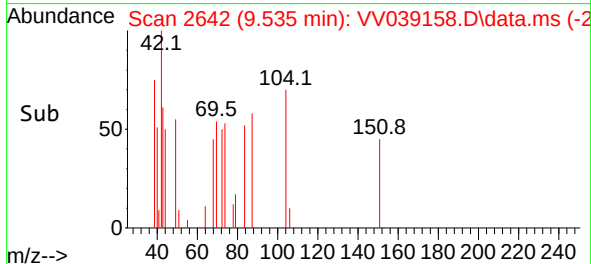
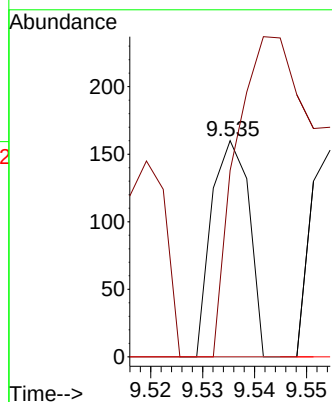
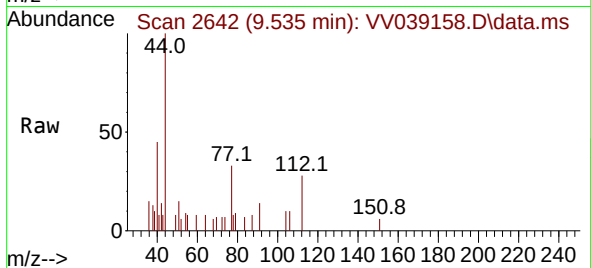
Tgt Ion:104 Resp: 80

Ion Ratio Lower Upper

104 100

78 282.5 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: VV039158.D

Acq: 24 Sep 2025 17:22

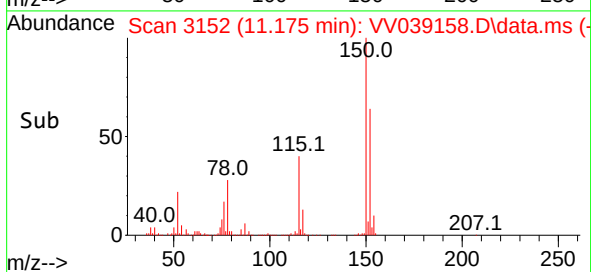
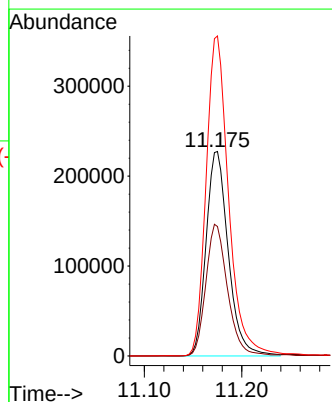
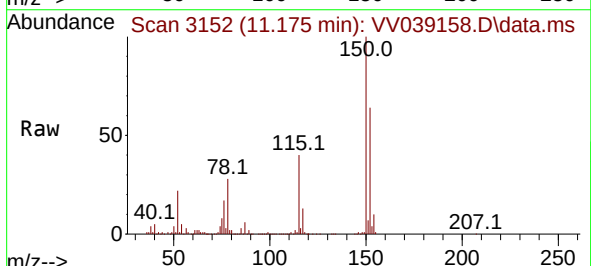
Tgt Ion:152 Resp: 359745

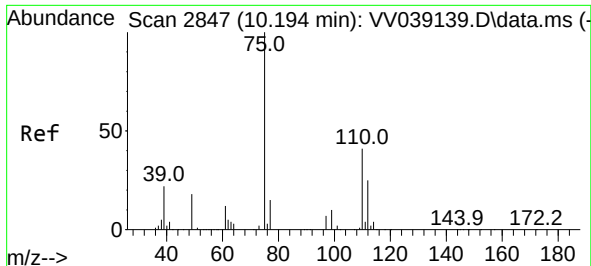
Ion Ratio Lower Upper

152 100

115 62.9 44.8 134.4

150 159.3 0.0 353.8

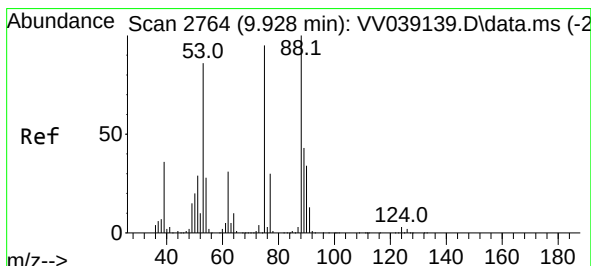
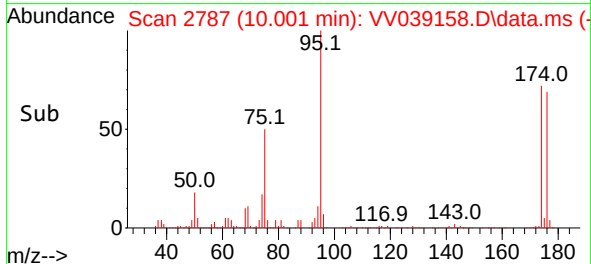
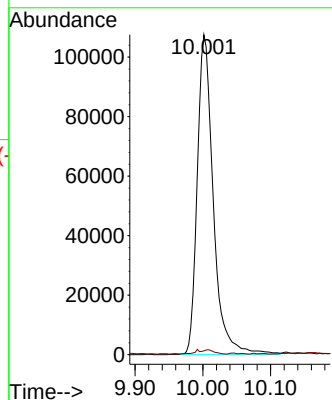
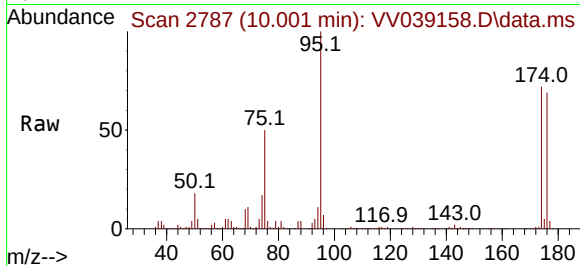




#76
1,2,3-Trichloropropane
Concen: 21.498 ug/l
RT: 10.001 min Scan# 21
Delta R.T. -0.193 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

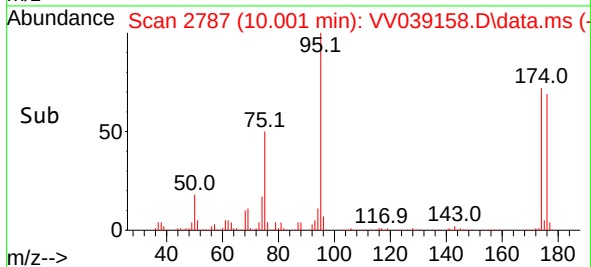
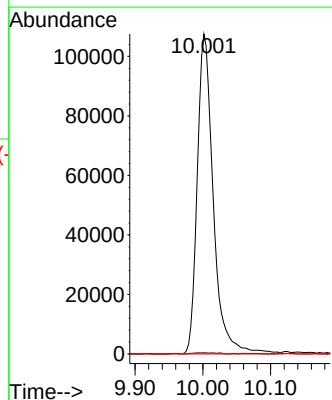
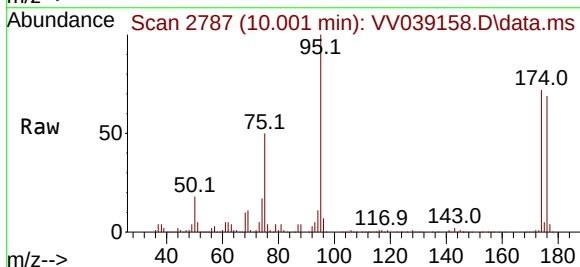
Instrument :
MSVOA_V
ClientSampleId :
FW6D

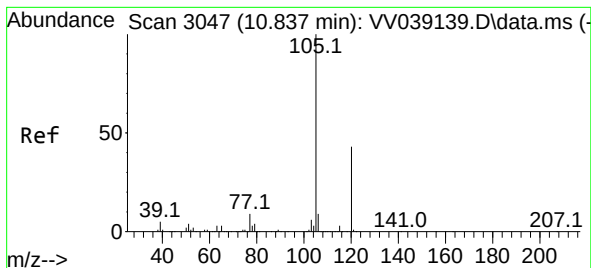
Tgt Ion: 75 Resp: 176088
Ion Ratio Lower Upper
75 100
77 0.8 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.611 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 75 Resp: 176088
Ion Ratio Lower Upper
75 100
53 0.4 72.5 108.7#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.521 ug/l

RT: 10.850 min Scan# 3047

Delta R.T. 0.013 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

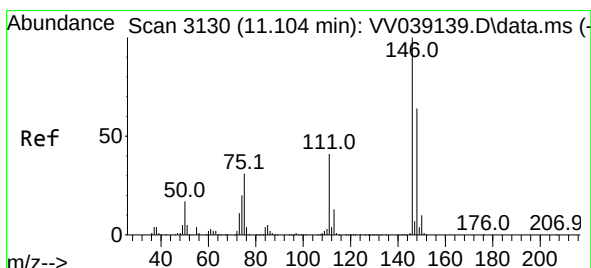
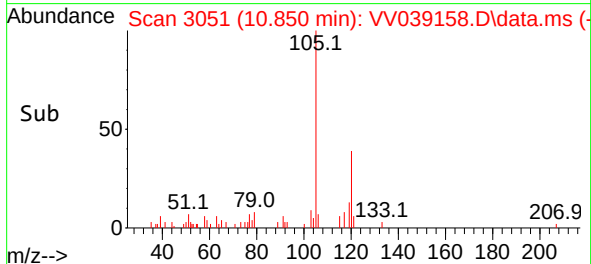
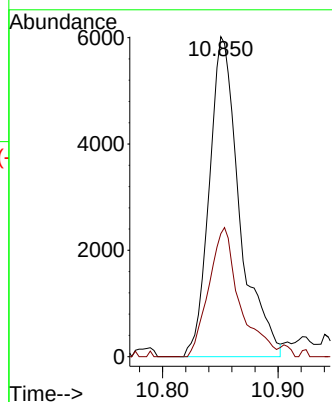
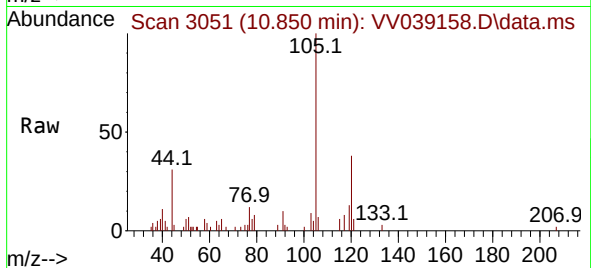
FW6D

Tgt Ion:105 Resp: 10972

Ion Ratio Lower Upper

105 100

120 40.9 22.4 67.2



#87

1,3-Dichlorobenzene

Concen: 0.541 ug/l

RT: 11.120 min Scan# 3135

Delta R.T. 0.016 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

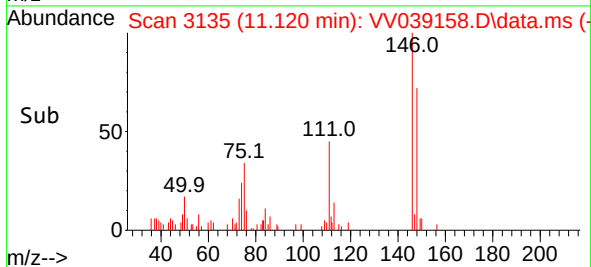
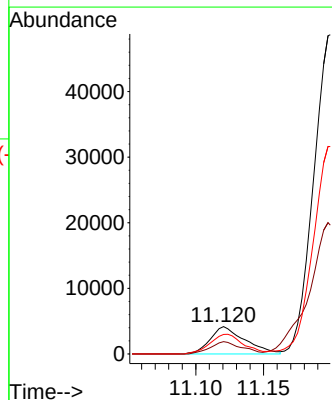
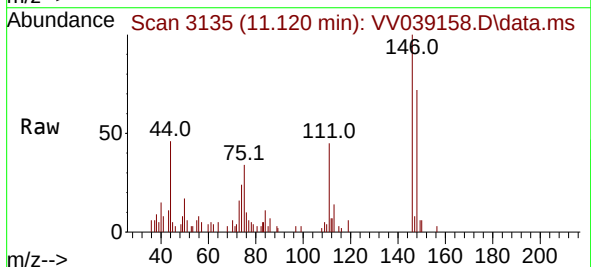
Tgt Ion:146 Resp: 7410

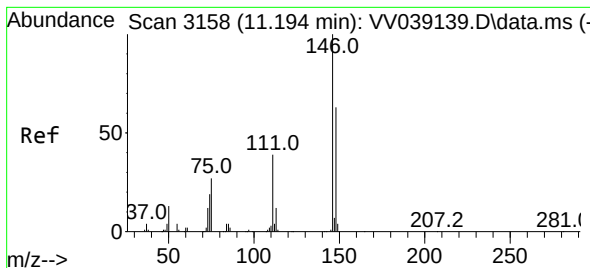
Ion Ratio Lower Upper

146 100

111 40.7 20.9 62.8

148 69.4 31.8 95.3





#88

1,4-Dichlorobenzene

Concen: 6.096 ug/l

RT: 11.201 min Scan# 3158

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

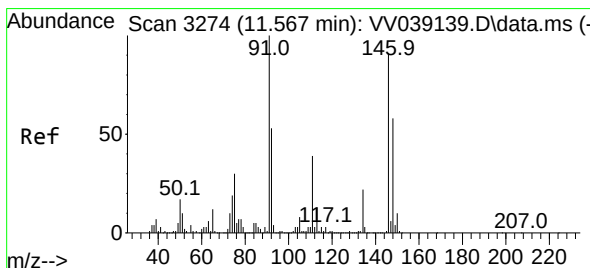
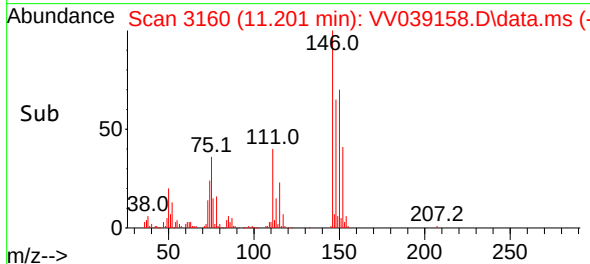
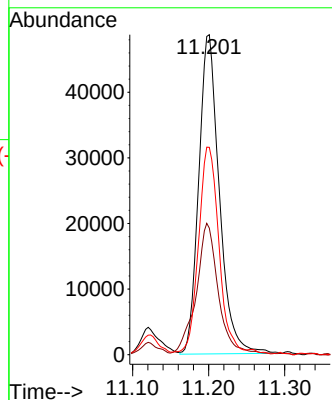
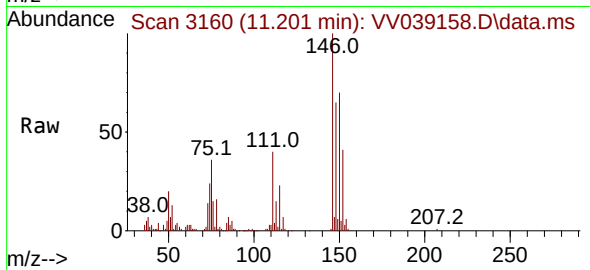
Tgt Ion:146 Resp: 91622

Ion Ratio Lower Upper

146 100

111 43.7 20.3 60.8

148 62.7 31.4 94.2



#91

1,2-Dichlorobenzene

Concen: 6.573 ug/l

RT: 11.571 min Scan# 3275

Delta R.T. 0.004 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

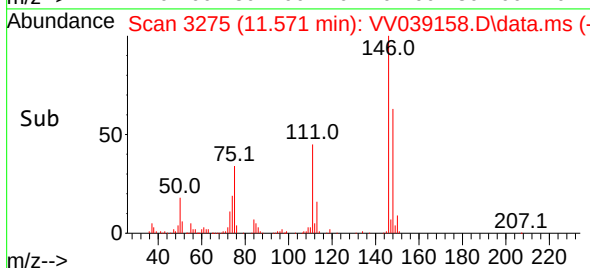
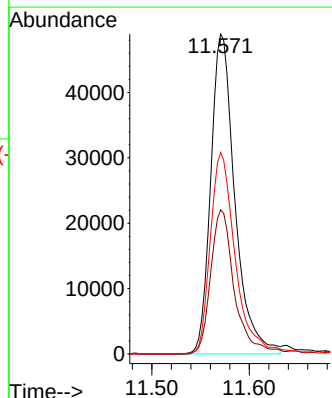
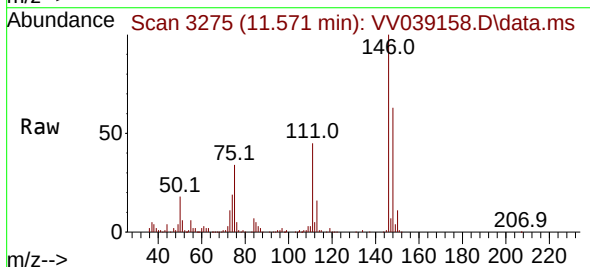
Tgt Ion:146 Resp: 84138

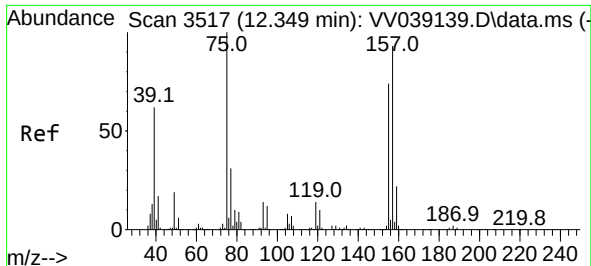
Ion Ratio Lower Upper

146 100

111 44.2 21.5 64.5

148 65.7 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 12.336 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

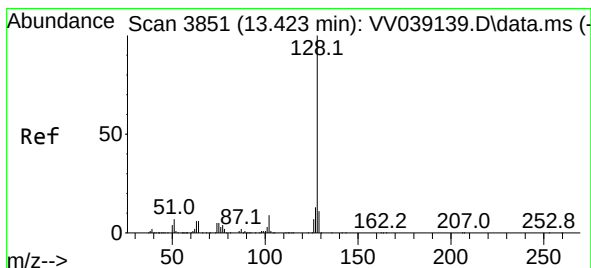
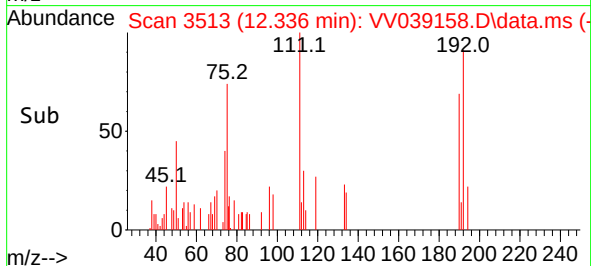
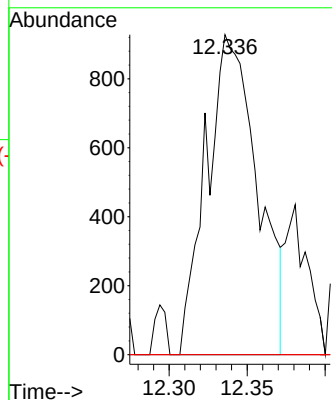
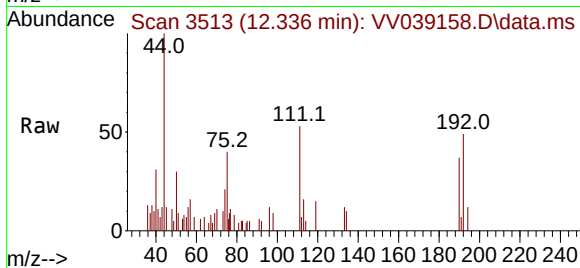
Tgt Ion: 75 Resp: 2116

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.8#

157 0.0 49.5 148.3#



#95

Naphthalene

Concen: 0.271 ug/l

RT: 13.451 min Scan# 3860

Delta R.T. 0.028 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Tgt Ion: 128 Resp: 6422

Ion Ratio Lower Upper

128 100

127 22.3 10.3 15.5#

129 5.5 8.6 13.0#

