

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039181.D
 Acq On : 25 Sep 2025 15:10
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Sep 26 01:30:06 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)

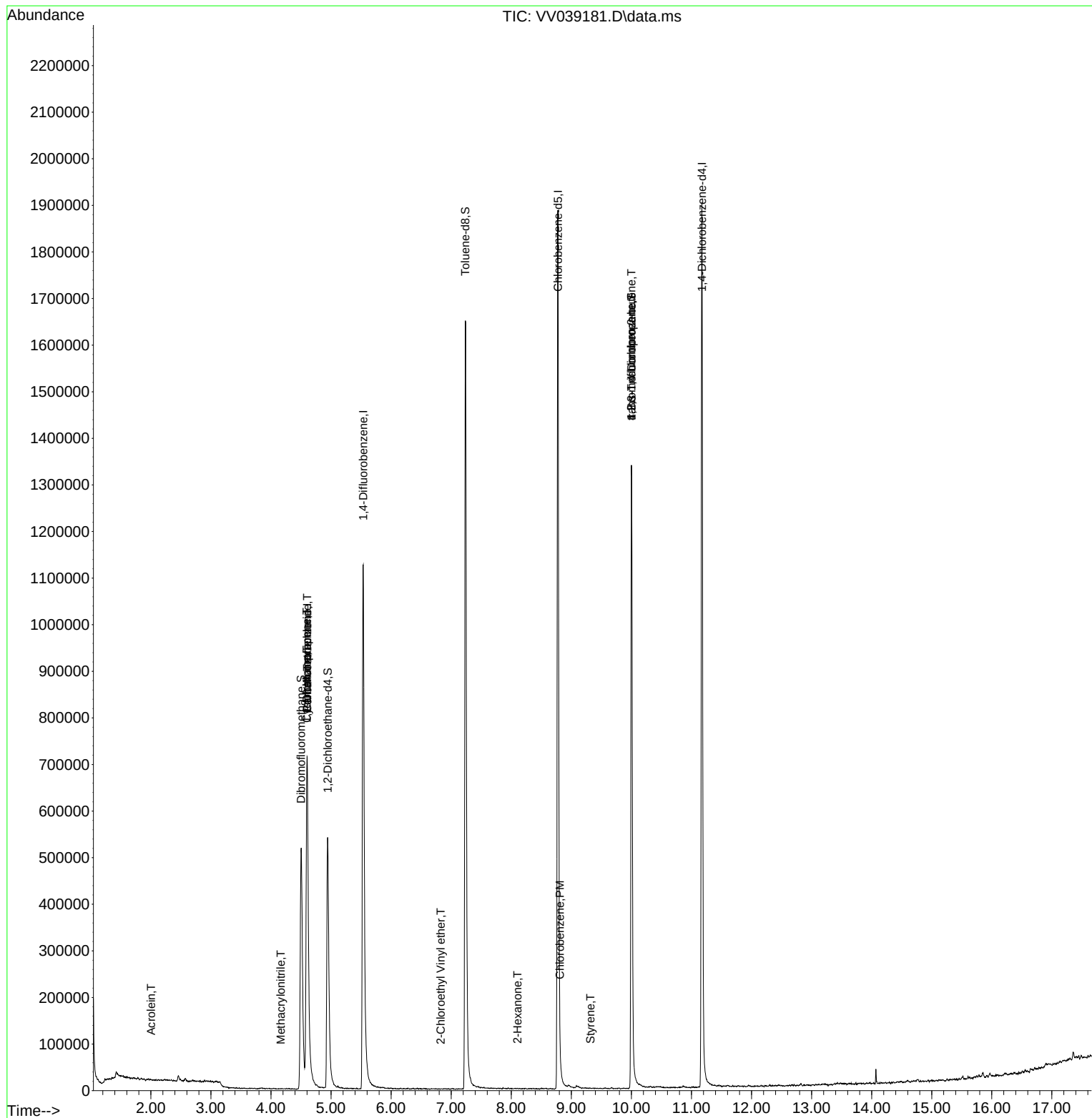
Internal Standards						
1) Pentafluorobenzene	4.603	168	606496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1090714	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1059979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	505603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	480760	54.770	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 109.540%			
35) Dibromofluoromethane	4.503	113	436790	49.814	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 99.620%			
50) Toluene-d8	7.236	98	1194298	46.375	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.740%			
62) 4-Bromofluorobenzene	10.001	95	474667	44.772	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 89.540%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.596	64	1336	Below Cal	#	63
13) Acrolein	2.005	56	276	0.857	ug/l #	15
16) Acetone	2.127	43	1764	Below Cal	#	76
20) Methylene Chloride	2.455	84	4569	Below Cal		96
31) Cyclohexane	4.596	56	12559	0.802	ug/l #	1
36) 1,1-Dichloropropene	4.596	75	52270	3.943	ug/l #	49
38) Carbon Tetrachloride	4.603	117	62353	3.848	ug/l #	17
41) Methacrylonitrile	4.166	41	183	1.935	ug/l #	21
58) 2-Chloroethyl Vinyl ether	6.825	63	41	9.628	ug/l #	47
59) 2-Hexanone	8.104	43	195	2.342	ug/l	84
65) Chlorobenzene	8.808	112	6769	0.229	ug/l #	77
70) Styrene	9.320	104	42	1.563	ug/l #	27
76) 1,2,3-Trichloropropane	10.001	75	237775	20.655	ug/l #	56
81) trans-1,4-Dichloro-2-b...	10.001	75	237775	49.586	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	12.374	75	297	Below Cal	#	5

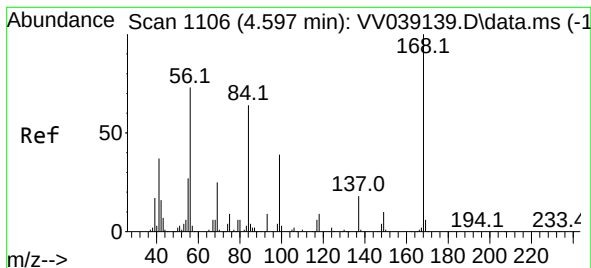
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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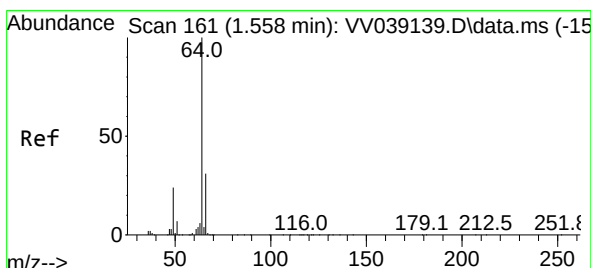
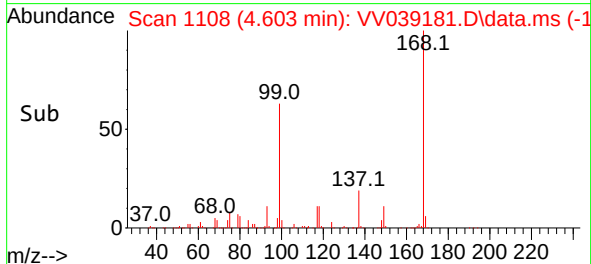
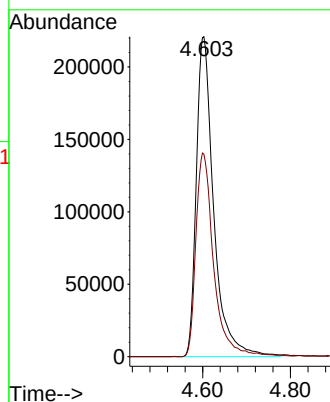
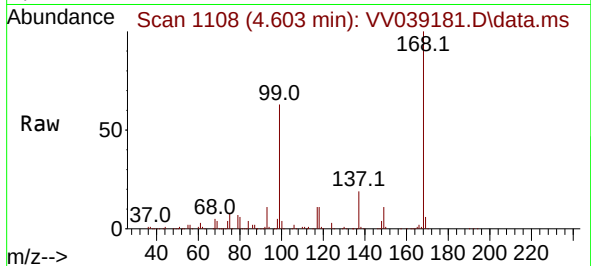




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

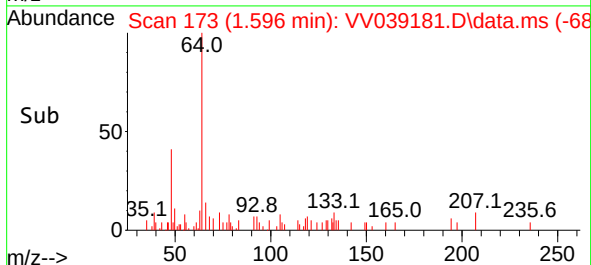
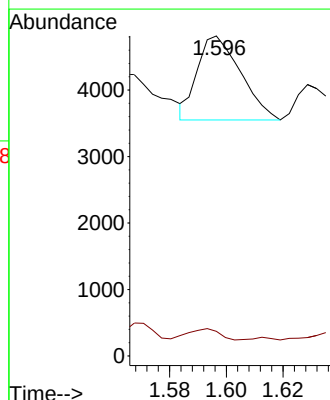
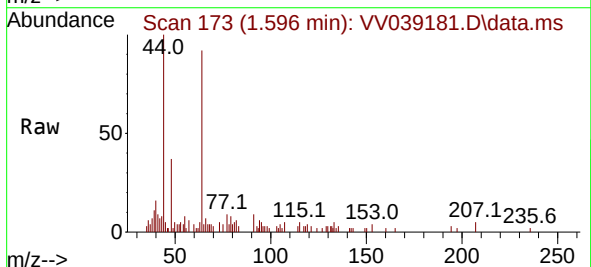
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

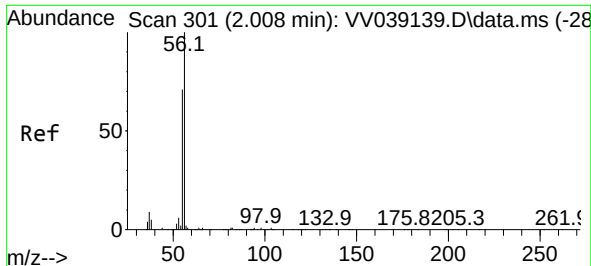
Tgt Ion:168 Resp: 606496
Ion Ratio Lower Upper
168 100
99 63.3 49.6 74.4



#6
Chloroethane
Concen: Below Cal
RT: 1.596 min Scan# 173
Delta R.T. 0.038 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion: 64 Resp: 1336
Ion Ratio Lower Upper
64 100
66 10.2 24.6 36.8#

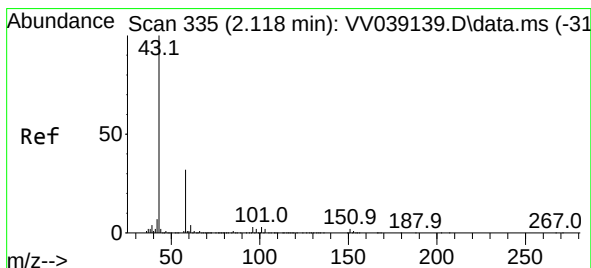
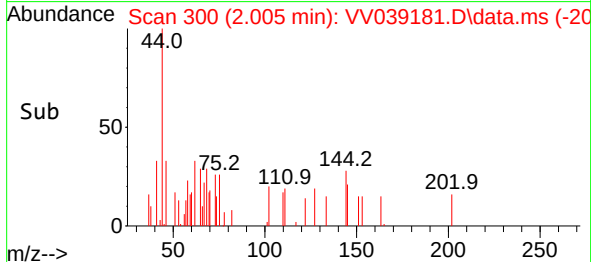
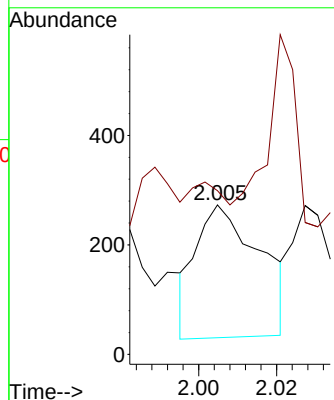
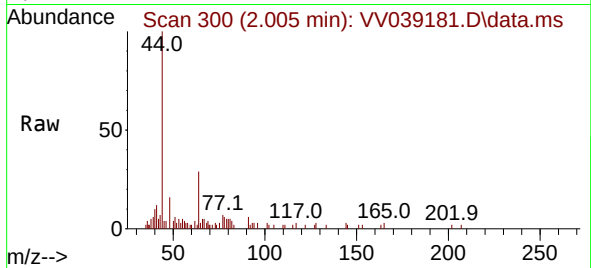




#13
Acrolein
Concen: 0.857 ug/l
RT: 2.005 min Scan# 301
Delta R.T. -0.003 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

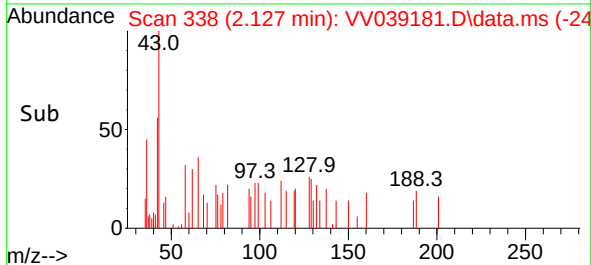
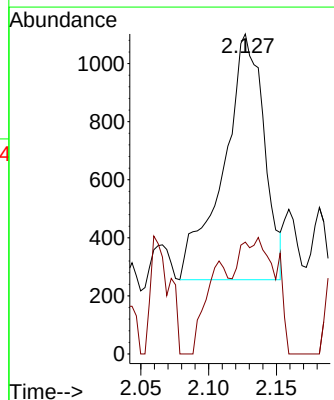
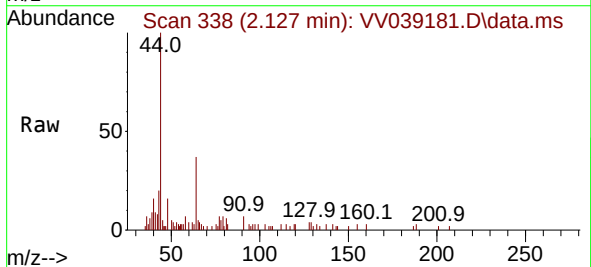
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

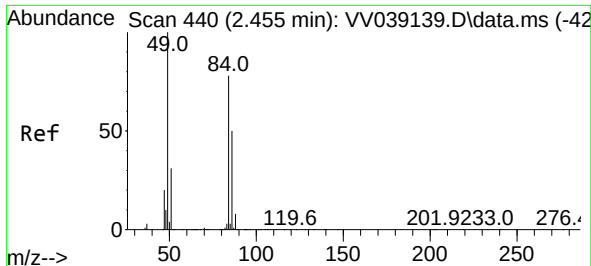
Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: Below Cal
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion: 43 Resp: 1764
Ion Ratio Lower Upper
43 100
58 45.5 25.8 38.6#



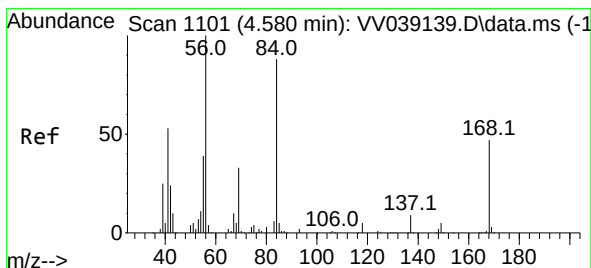
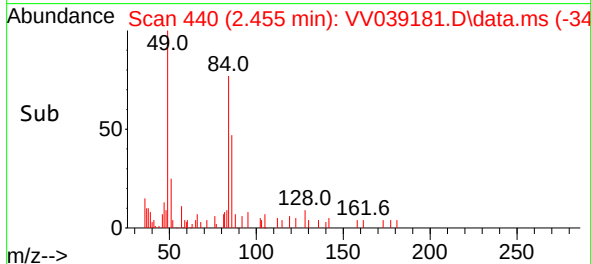
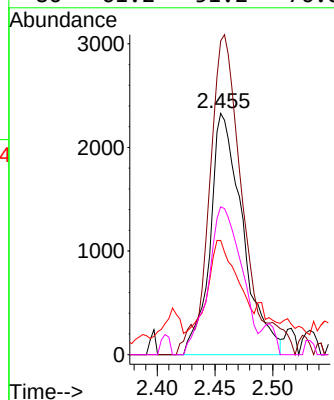
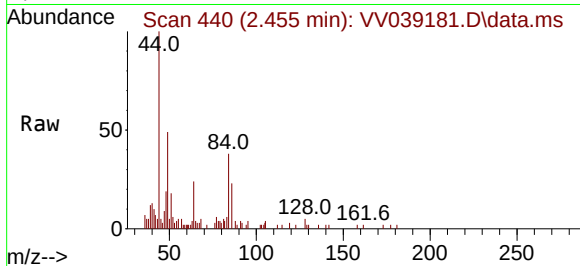


#20
Methylene Chloride
Concen: Below Cal
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 4569

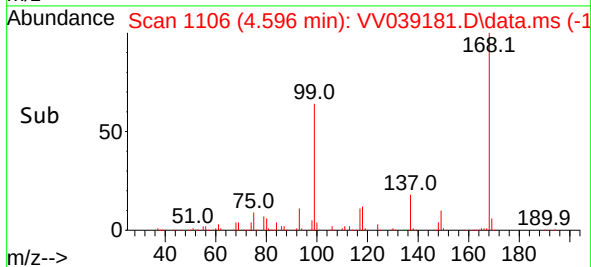
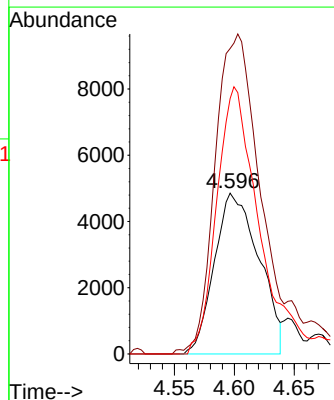
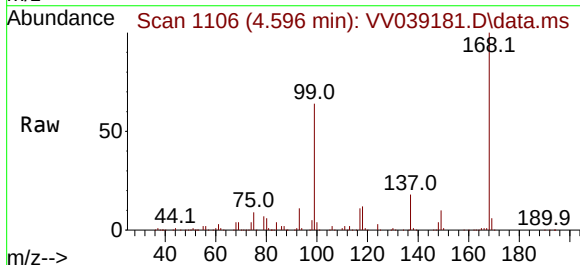
Ion	Ratio	Lower	Upper
84	100		
49	125.5	102.8	154.2
51	34.3	31.9	47.9
86	61.2	51.2	76.8

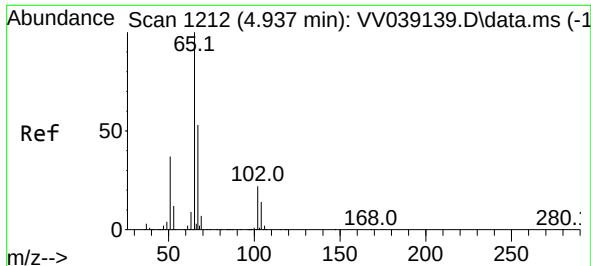


#31
Cyclohexane
Concen: 0.802 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. 0.016 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion: 56 Resp: 12559

Ion	Ratio	Lower	Upper
56	100		
69	187.2	26.2	39.2#
84	158.8	70.3	105.5#





#33

1,2-Dichloroethane-d4

Concen: 54.770 ug/l

RT: 4.944 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039181.D

Acq: 25 Sep 2025 15:10

Instrument :

MSVOA_V

ClientSampleId :

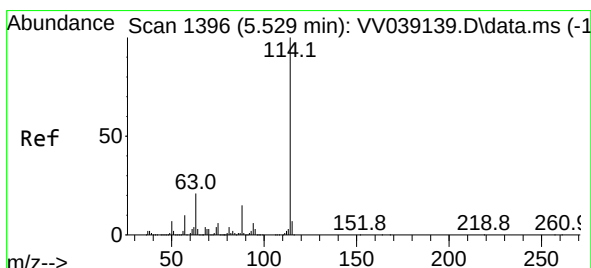
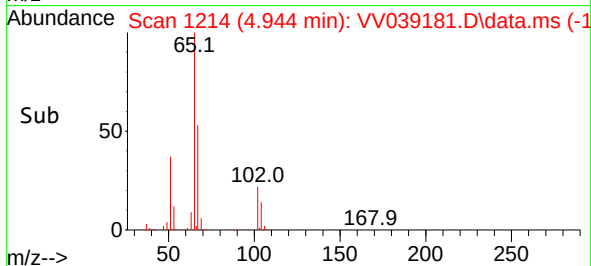
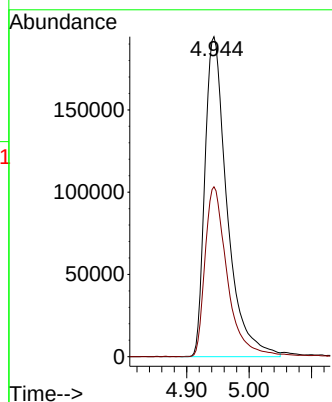
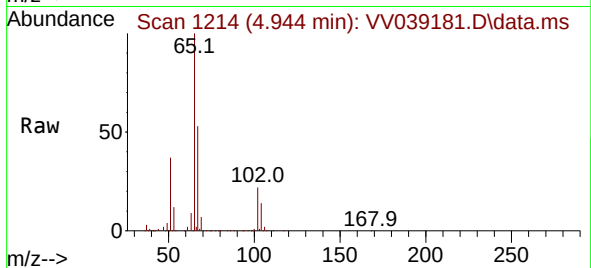
VIBLK

Tgt Ion: 65 Resp: 480760

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039181.D

Acq: 25 Sep 2025 15:10

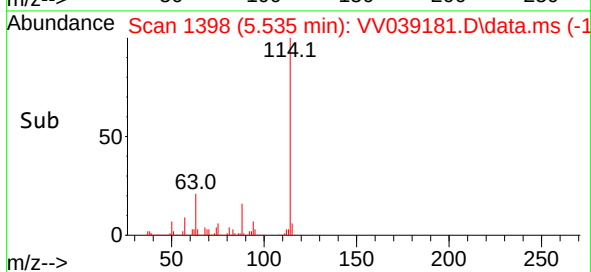
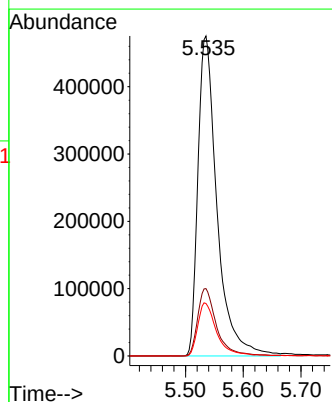
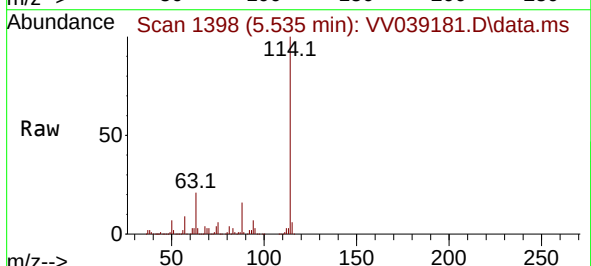
Tgt Ion: 114 Resp: 1090714

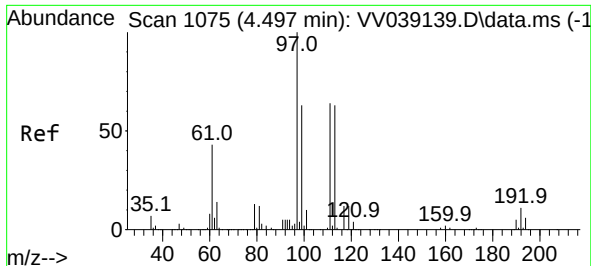
Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 16.4 0.0 30.8

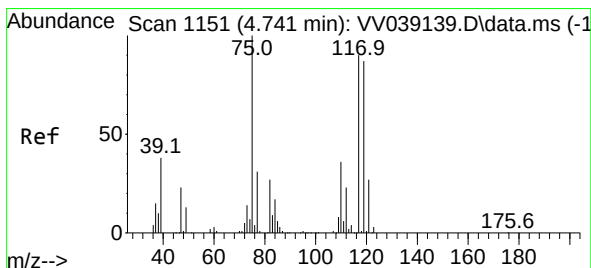
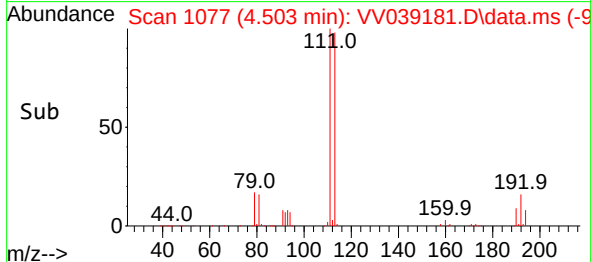
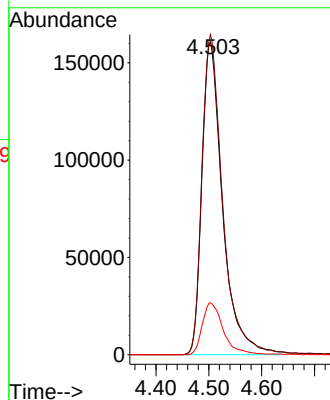
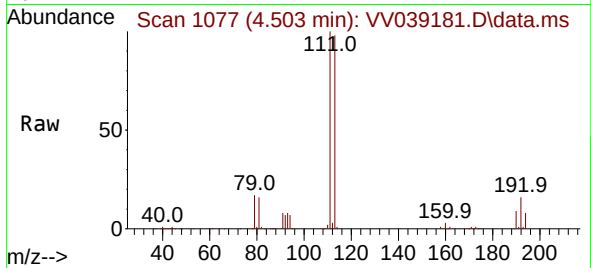




#35
Dibromofluoromethane
Concen: 49.814 ug/l
RT: 4.503 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

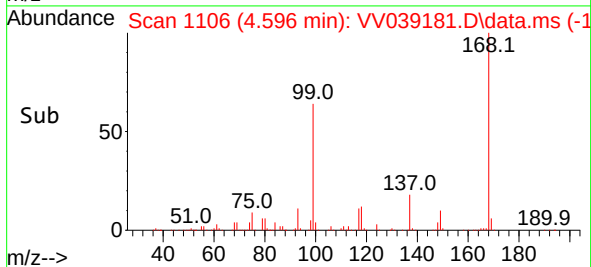
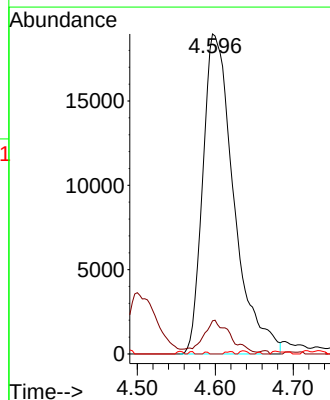
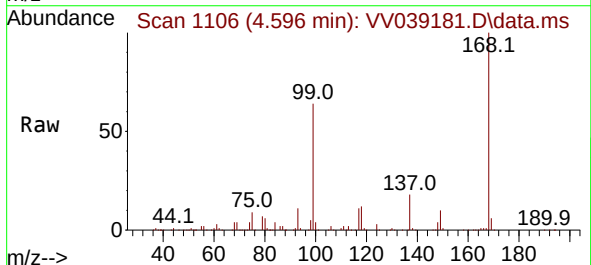
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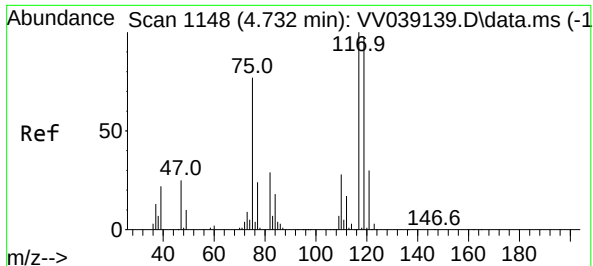
Tgt Ion:113 Resp: 436790
Ion Ratio Lower Upper
113 100
111 103.2 82.4 123.6
192 16.8 13.8 20.8



#36
1,1-Dichloropropene
Concen: 3.943 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.145 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion: 75 Resp: 52270
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.1#
77 0.1 24.8 37.2#

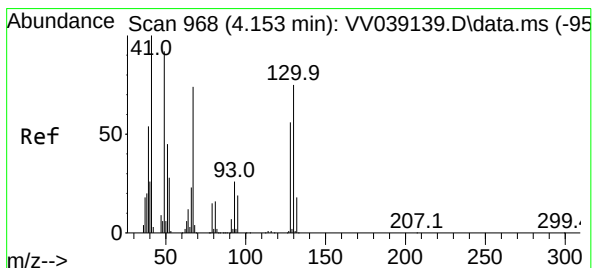
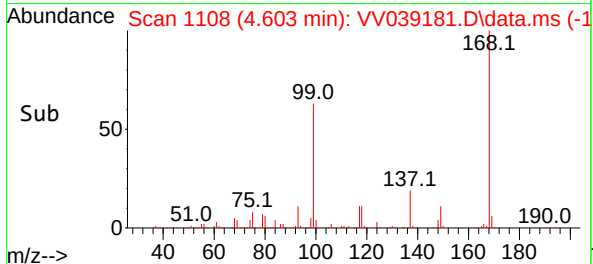
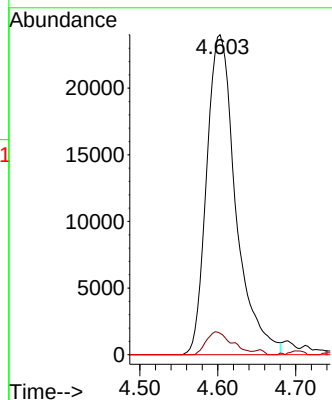
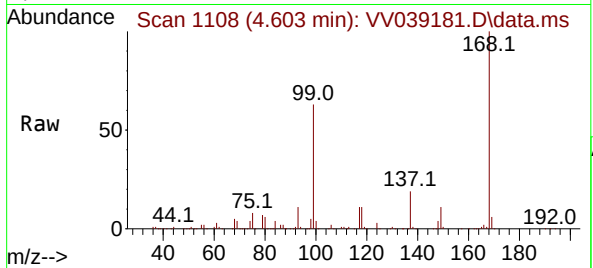




#38
Carbon Tetrachloride
Concen: 3.848 ug/l
RT: 4.603 min Scan# 1148
Delta R.T. -0.129 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

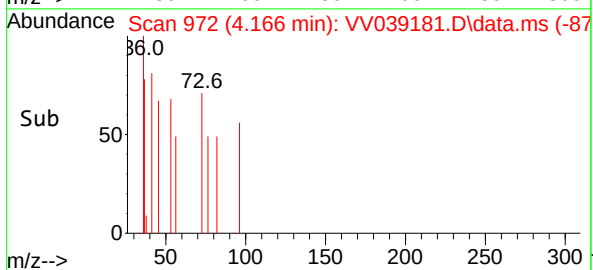
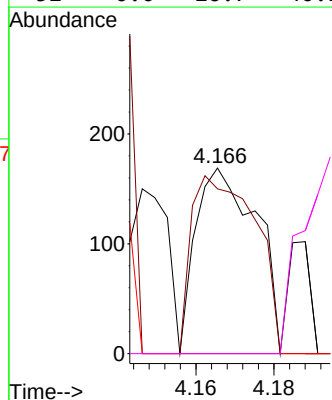
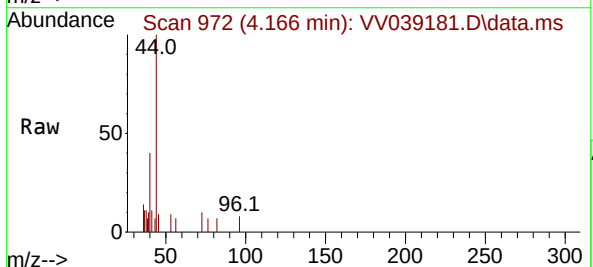
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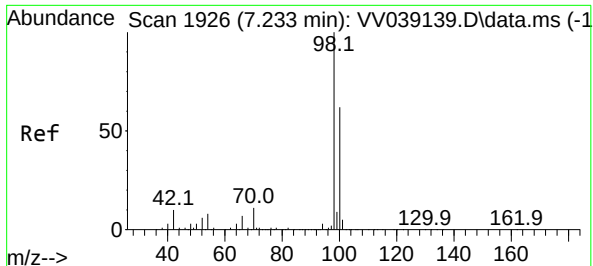
Tgt Ion:117 Resp: 62353
Ion Ratio Lower Upper
117 100
119 6.7 77.2 115.8#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.935 ug/l
RT: 4.166 min Scan# 972
Delta R.T. 0.013 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion: 41 Resp: 183
Ion Ratio Lower Upper
41 100
39 101.1 42.2 63.2#
67 0.0 67.9 101.9#
52 0.0 26.7 40.1#





#50

Toluene-d8

Concen: 46.375 ug/l

RT: 7.236 min Scan# 1926

Delta R.T. 0.003 min

Lab File: VV039181.D

Acq: 25 Sep 2025 15:10

Instrument :

MSVOA_V

ClientSampleId :

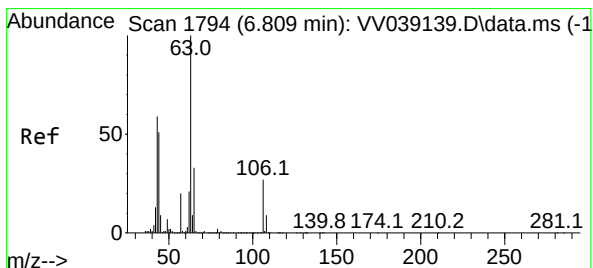
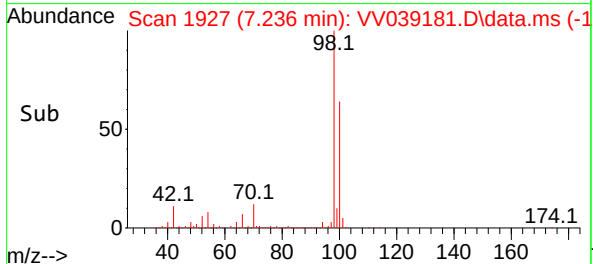
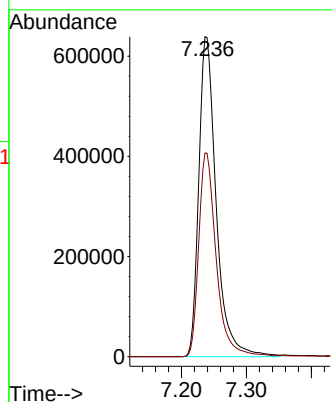
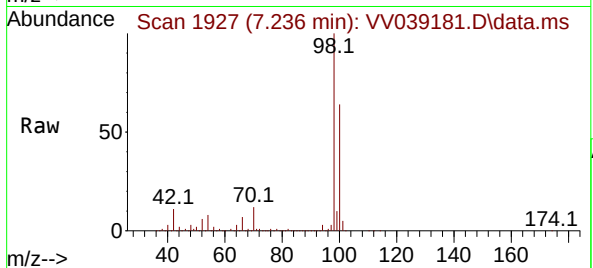
VIBLK

Tgt Ion: 98 Resp: 1194298

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2



#58

2-Chloroethyl Vinyl ether

Concen: 9.628 ug/l

RT: 6.825 min Scan# 1799

Delta R.T. 0.016 min

Lab File: VV039181.D

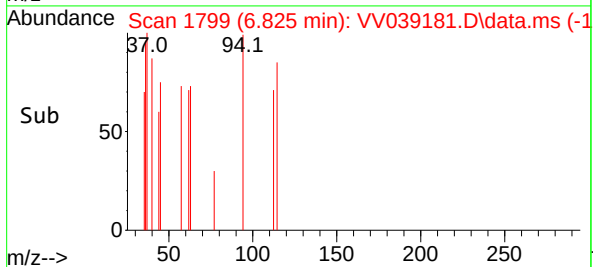
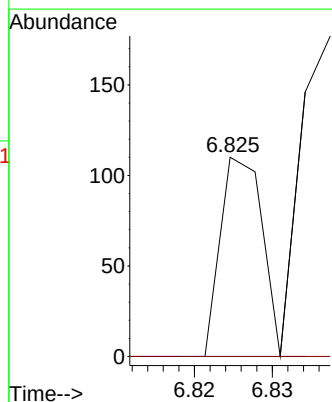
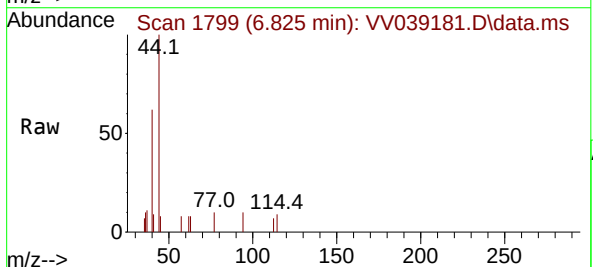
Acq: 25 Sep 2025 15:10

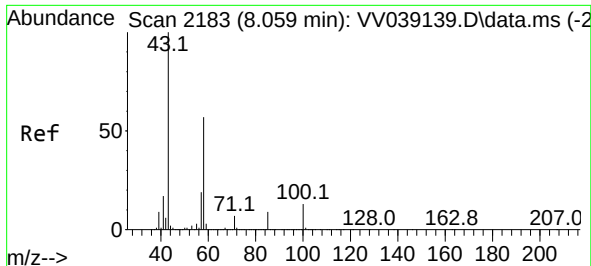
Tgt Ion: 63 Resp: 41

Ion Ratio Lower Upper

63 100

106 0.0 22.1 33.1#





#59

2-Hexanone

Concen: 2.342 ug/l

RT: 8.104 min Scan# 2183

Delta R.T. 0.045 min

Lab File: VV039181.D

Acq: 25 Sep 2025 15:10

Instrument :

MSVOA_V

ClientSampleId :

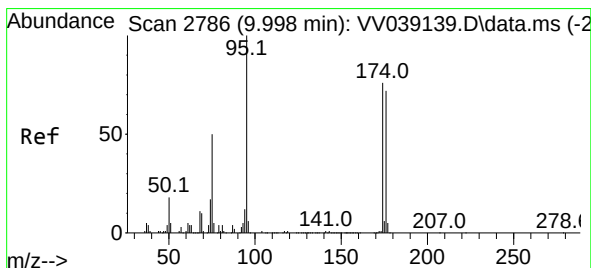
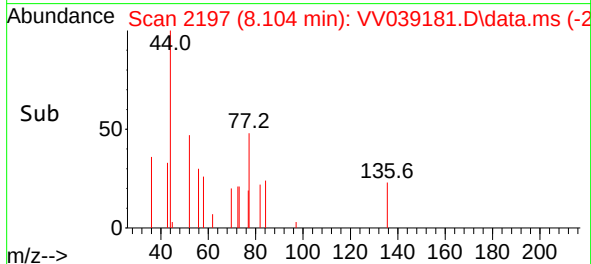
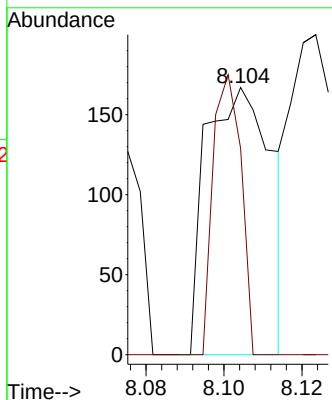
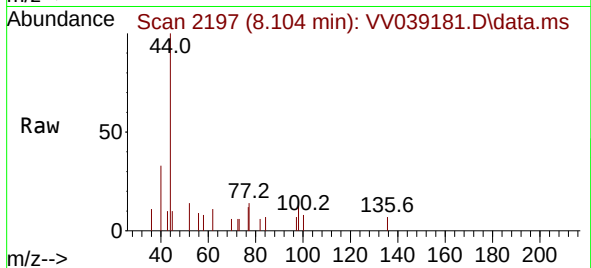
VIBLK

Tgt Ion: 43 Resp: 195

Ion Ratio Lower Upper

43 100

58 45.1 28.3 85.0



#62

4-Bromofluorobenzene

Concen: 44.772 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039181.D

Acq: 25 Sep 2025 15:10

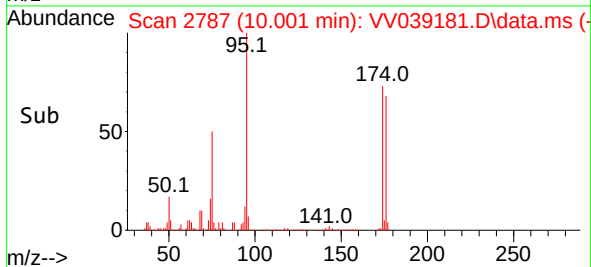
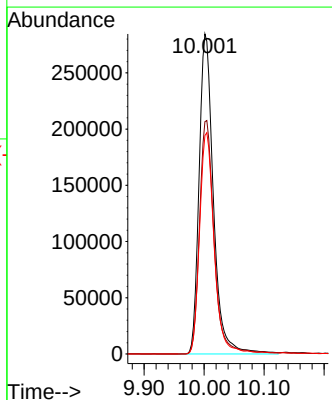
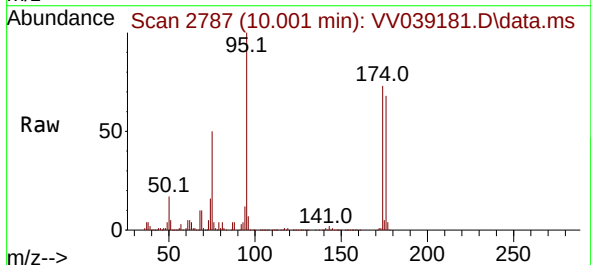
Tgt Ion: 95 Resp: 474667

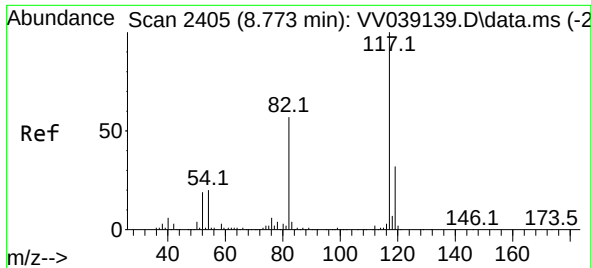
Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.4

176 70.0 0.0 144.2

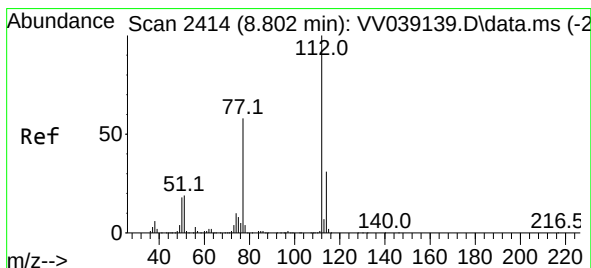
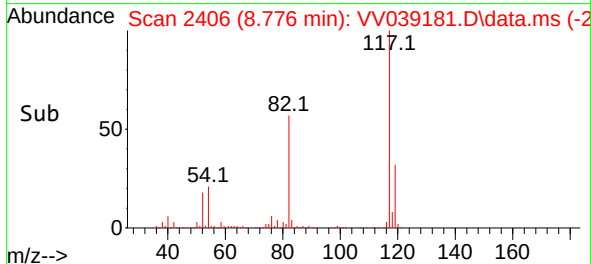
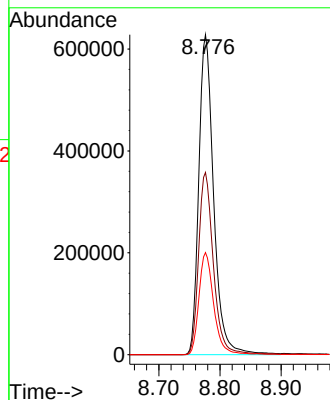
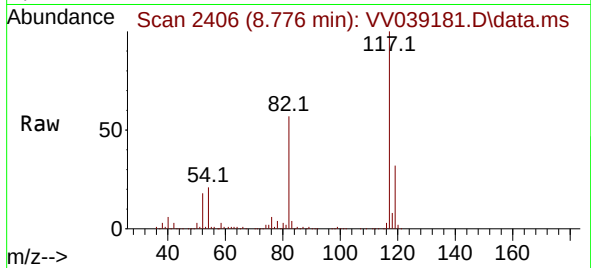




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

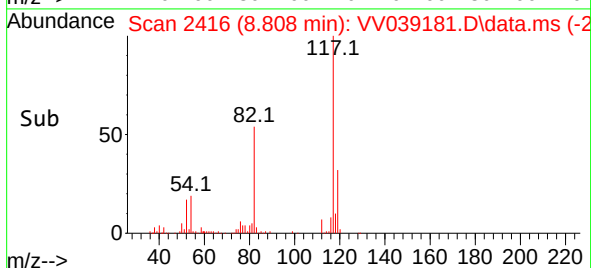
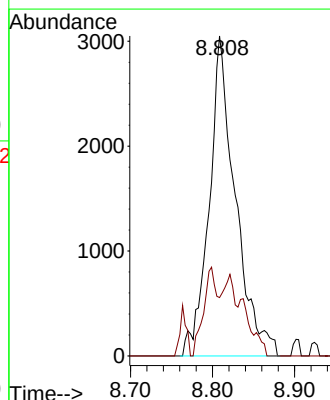
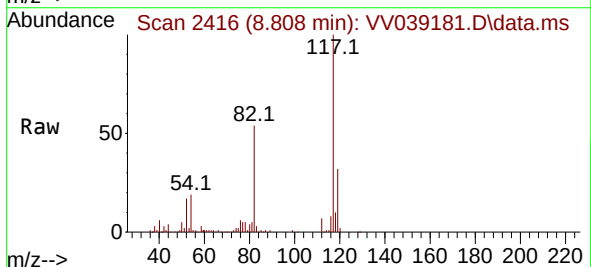
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

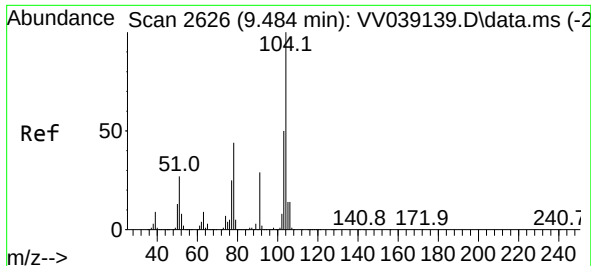
Tgt Ion:117 Resp: 1059979
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.2
119 31.9 25.6 38.4



#65
Chlorobenzene
Concen: 0.229 ug/l
RT: 8.808 min Scan# 2416
Delta R.T. 0.006 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion:112 Resp: 6769
Ion Ratio Lower Upper
112 100
114 18.3 24.6 37.0#

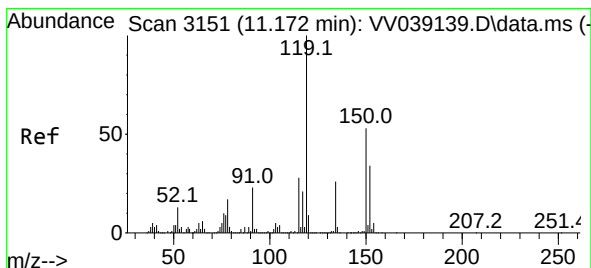
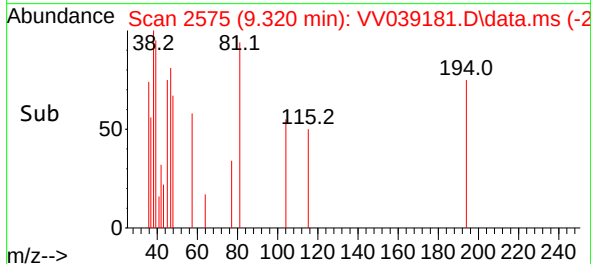
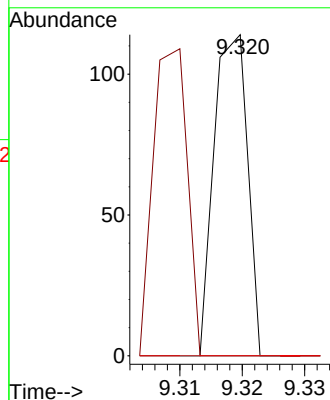
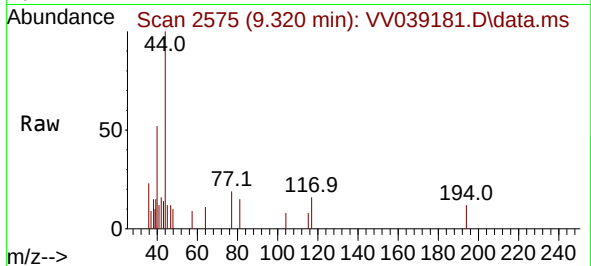




#70
Styrene
Concen: 1.563 ug/l
RT: 9.320 min Scan# 21
Delta R.T. -0.164 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

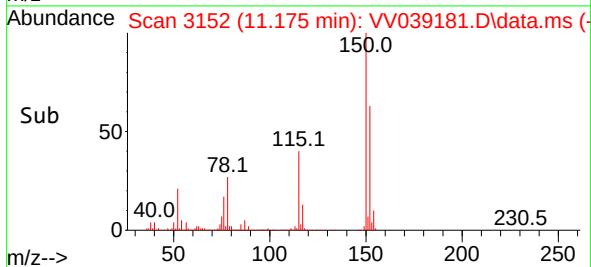
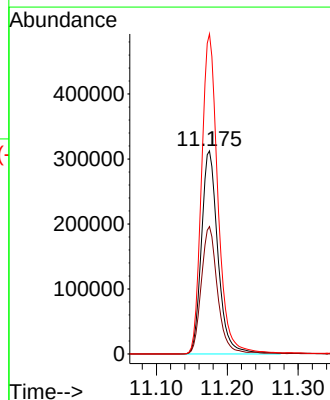
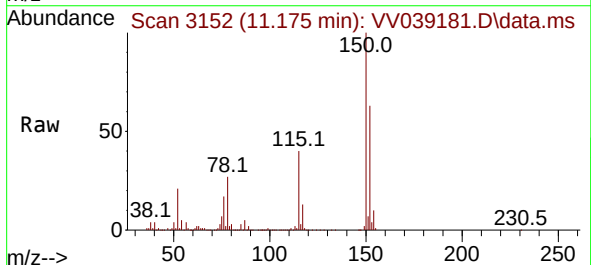
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

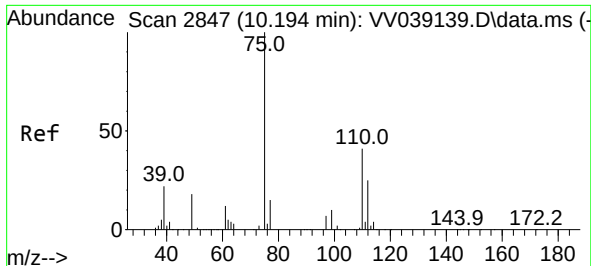
Tgt Ion:104 Resp: 42
Ion Ratio Lower Upper
104 100
78 97.6 39.8 59.6#
103 0.0 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

Tgt Ion:152 Resp: 505603
Ion Ratio Lower Upper
152 100
115 61.3 44.8 134.4
150 156.3 0.0 353.8

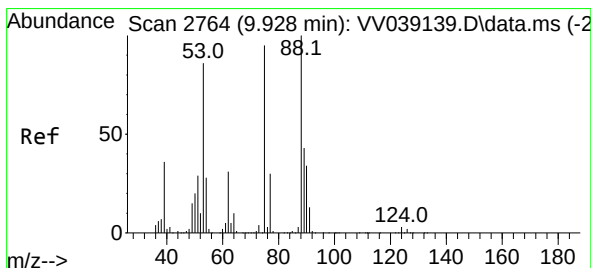
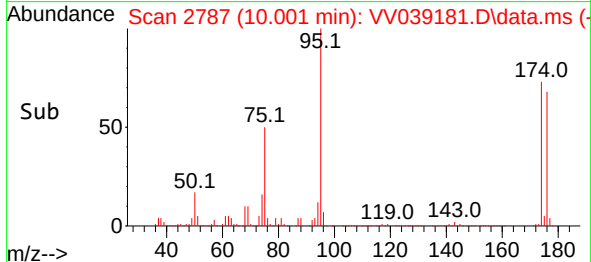
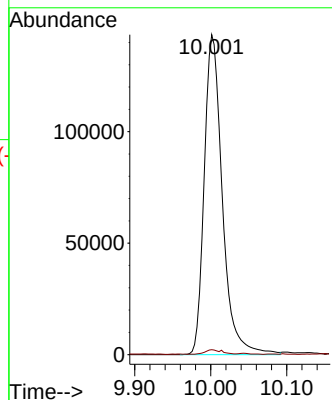
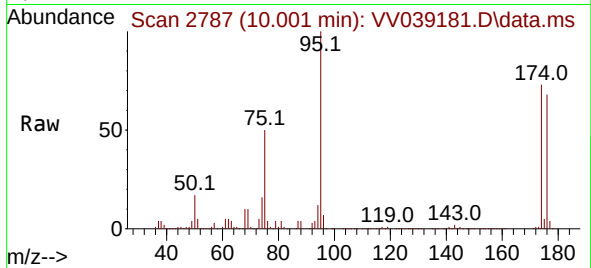




#76
1,2,3-Trichloropropane
Concen: 20.655 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.193 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

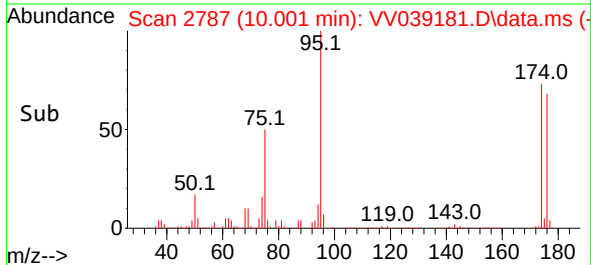
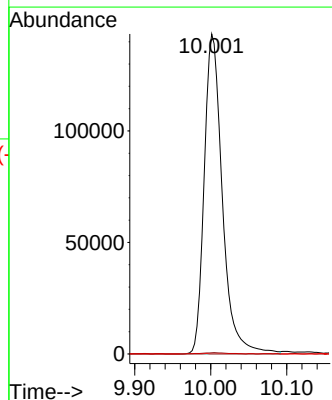
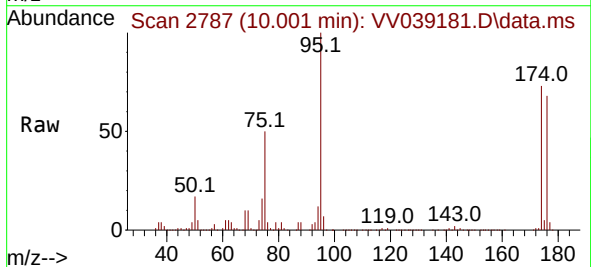
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

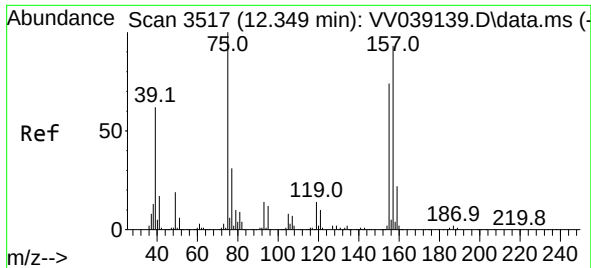
Tgt Ion: 75 Resp: 237775
Ion Ratio Lower Upper
75 100
77 1.4 11.3 33.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.586 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.074 min
Lab File: VV039181.D
Acq: 25 Sep 2025 15:10

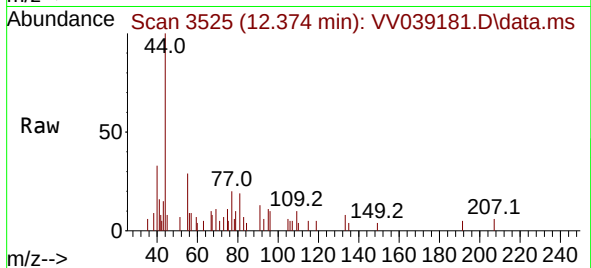
Tgt Ion: 75 Resp: 237775
Ion Ratio Lower Upper
75 100
53 0.6 72.5 108.7#
89 0.0 37.2 55.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 12.374 min Scan# 31
 Delta R.T. 0.025 min
 Lab File: VV039181.D
 Acq: 25 Sep 2025 15:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 297
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.6 115.8#
 157 0.0 49.5 148.3#

