

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032231.D
 Acq On : 22 Sep 2025 15:49
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 23 06:07:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

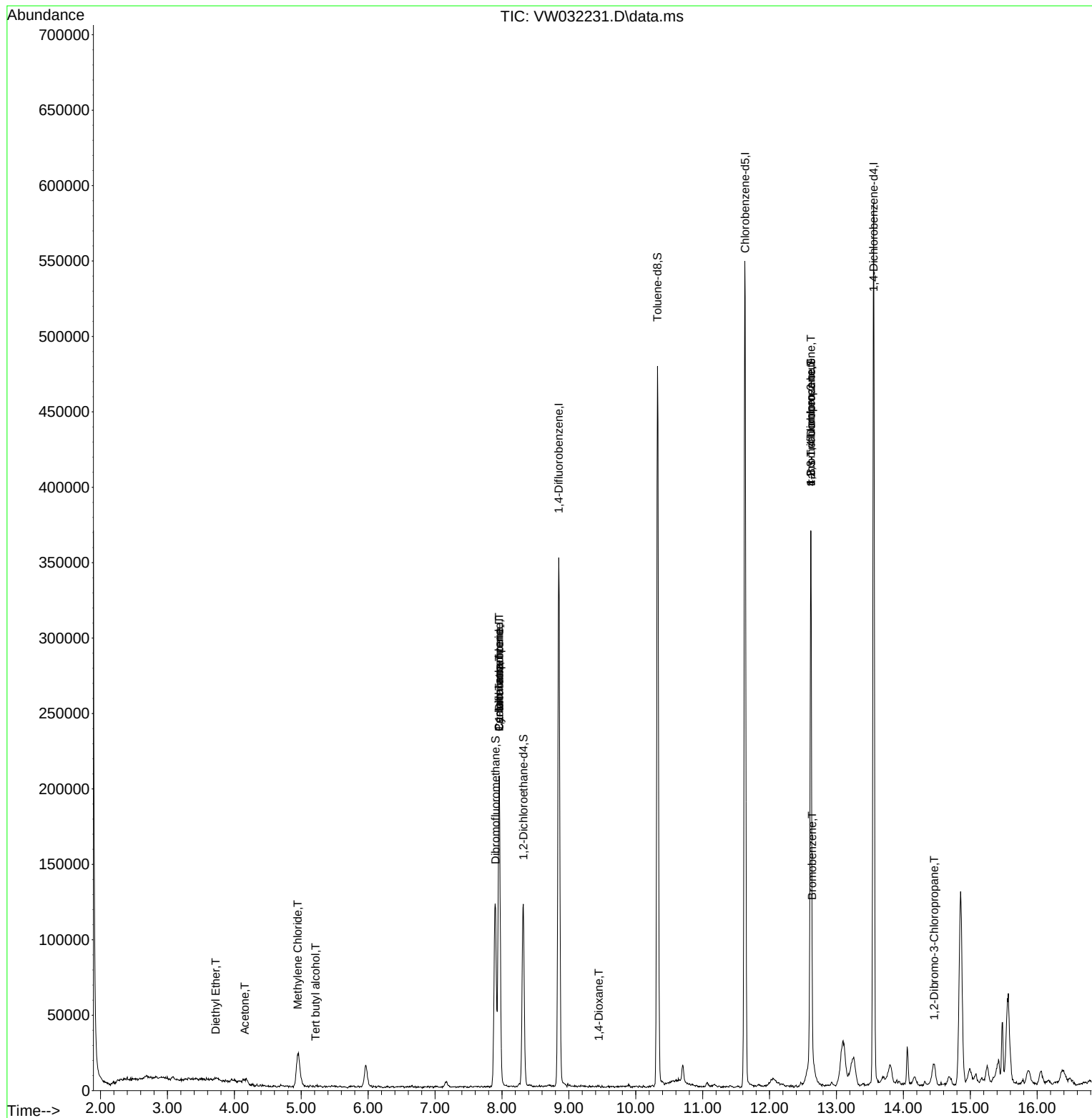
Internal Standards						
1) Pentafluorobenzene	7.959	168	136398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	290105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	288684	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	101742	52.157	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.320%			
35) Dibromofluoromethane	7.904	113	86917	42.704	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 85.400%			
50) Toluene-d8	10.325	98	306253	42.862	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 85.720%			
62) 4-Bromofluorobenzene	12.617	95	108107	40.917	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 81.840%			
Target Compounds						Qvalue
8) Diethyl Ether	3.722	74	1211	1.335	ug/l #	51
11) Tert butyl alcohol	5.216	59	244	2.045	ug/l #	69
16) Acetone	4.155	43	2044	4.838	ug/l #	62
20) Methylene Chloride	4.948	84	20838	8.739	ug/l	94
31) Cyclohexane	7.959	56	4205	1.756	ug/l #	44
36) 1,1-Dichloropropene	7.959	75	13208	5.005	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16358	5.782	ug/l #	16
49) 1,4-Dioxane	9.447	88	28	1.680	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	62923	35.610	ug/l #	1
77) Bromobenzene	12.635	156	26851	10.989	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	62923	95.879	ug/l #	5
92) 1,2-Dibromo-3-Chloropr...	14.458	75	821	2.041	ug/l #	3

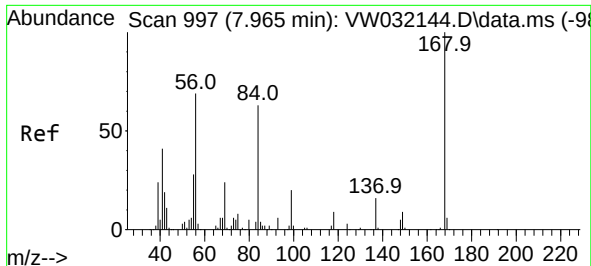
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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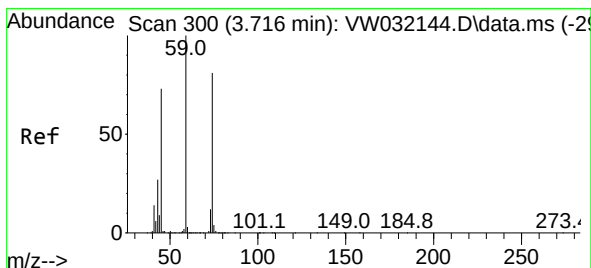
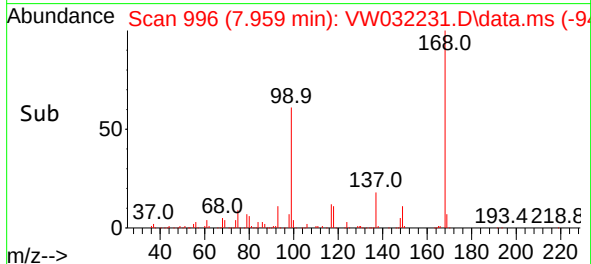
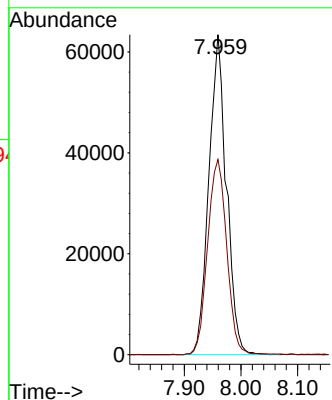
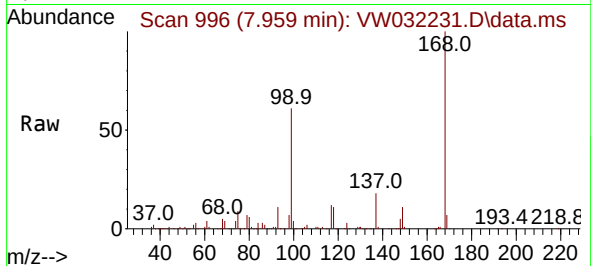




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

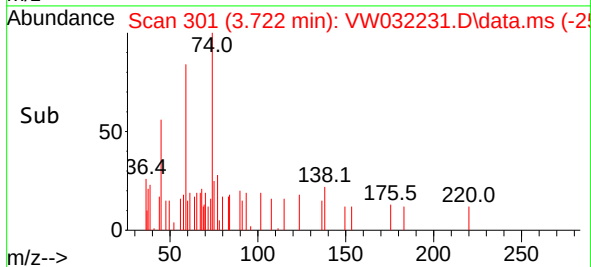
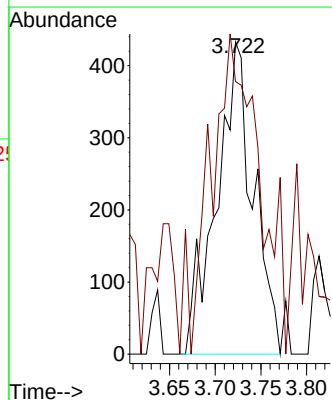
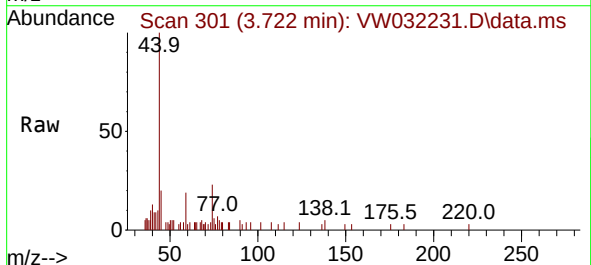
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

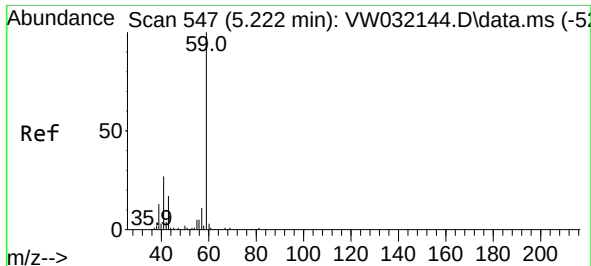
Tgt Ion:168 Resp: 136398
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#8
Diethyl Ether
Concen: 1.335 ug/l
RT: 3.722 min Scan# 301
Delta R.T. 0.006 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 74 Resp: 1211
Ion Ratio Lower Upper
74 100
45 131.7 43.1 129.4#

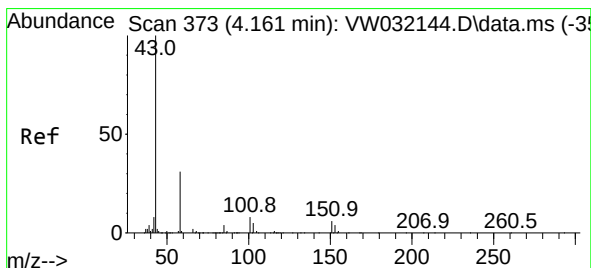
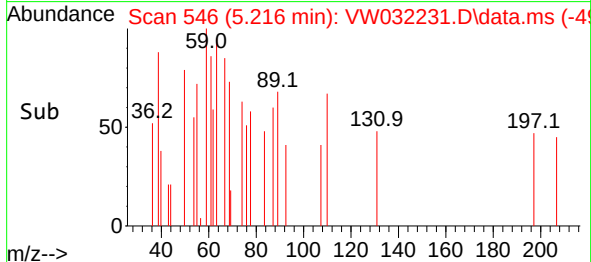
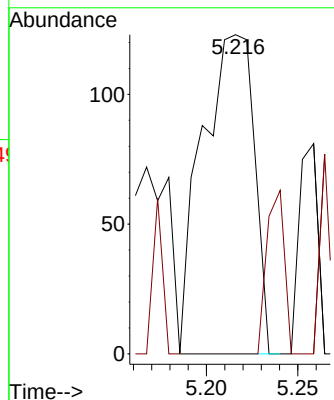
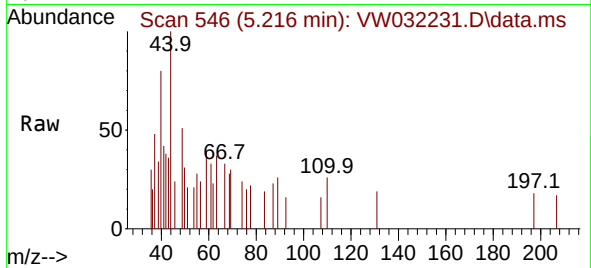




#11
Tert butyl alcohol
Concen: 2.045 ug/l
RT: 5.216 min Scan# 547
Delta R.T. -0.006 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

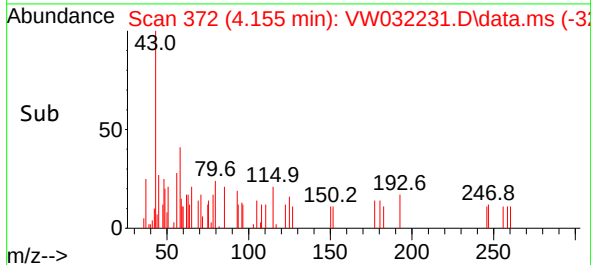
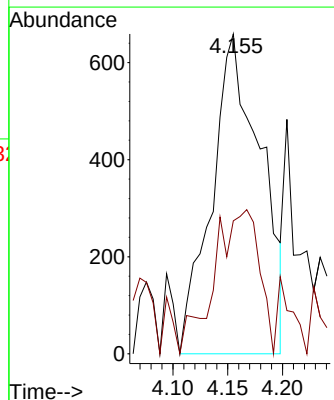
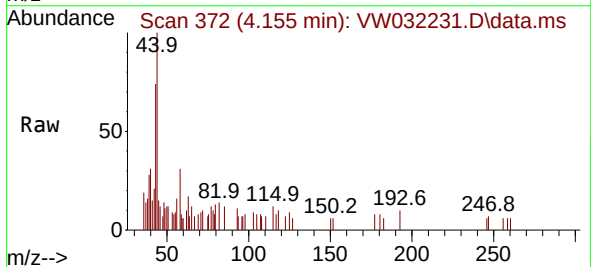
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

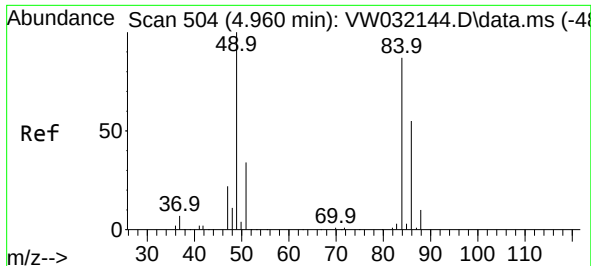
Tgt Ion: 59 Resp: 244
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#



#16
Acetone
Concen: 4.838 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.006 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
58 52.7 25.3 37.9#

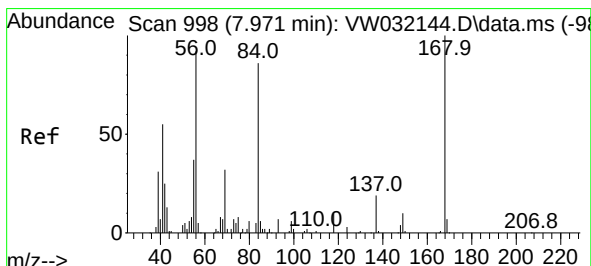
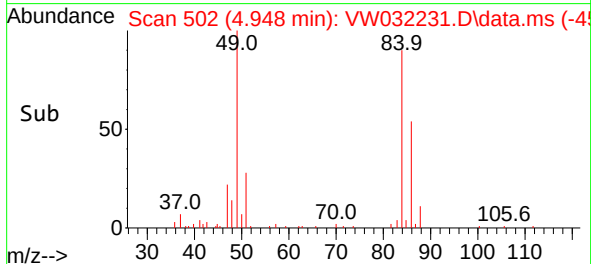
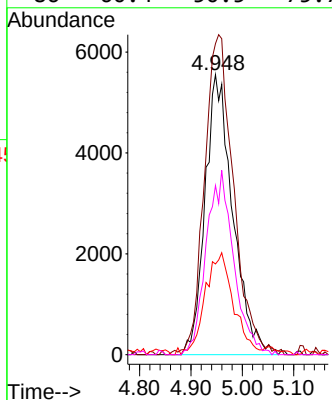
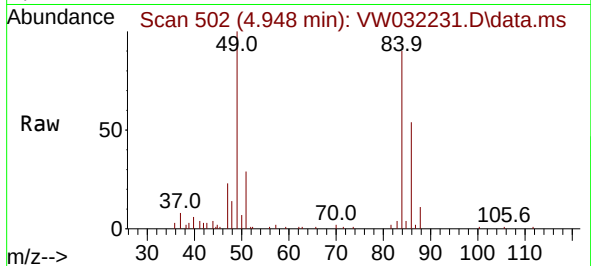




#20
Methylene Chloride
Concen: 8.739 ug/l
RT: 4.948 min Scan# 504
Delta R.T. -0.012 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

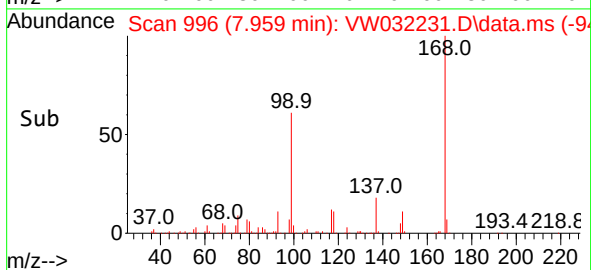
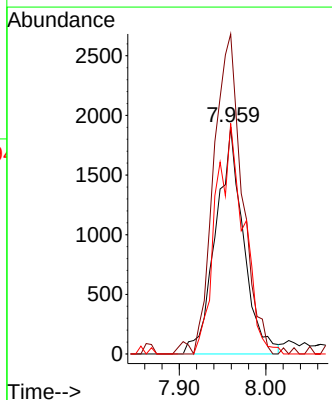
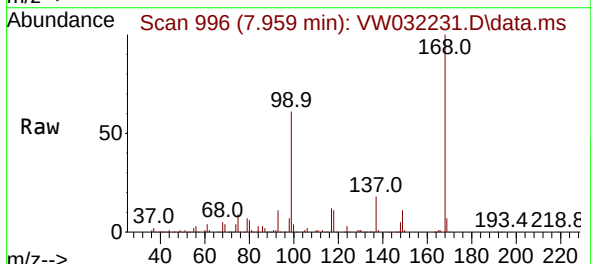
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

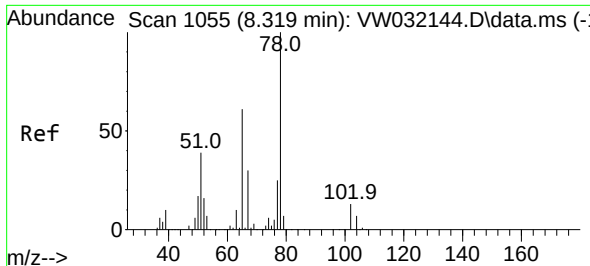
Tgt Ion:	84	Resp:	20838
Ion	Ratio	Lower	Upper
84	100		
49	110.1	92.2	138.4
51	31.1	31.0	46.6
86	60.4	50.5	75.7



#31
Cyclohexane
Concen: 1.756 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion:	56	Resp:	4205
Ion	Ratio	Lower	Upper
56	100		
69	141.1	27.7	41.5#
84	101.6	74.6	112.0

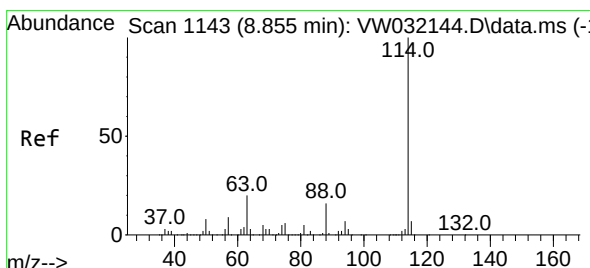
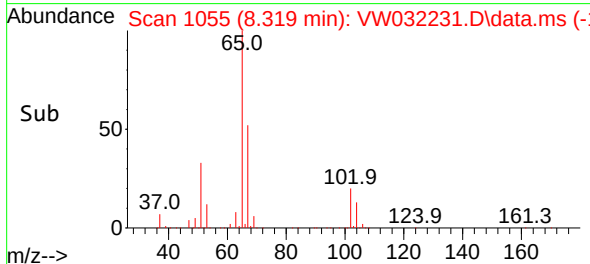
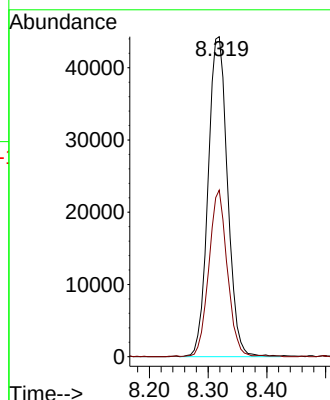
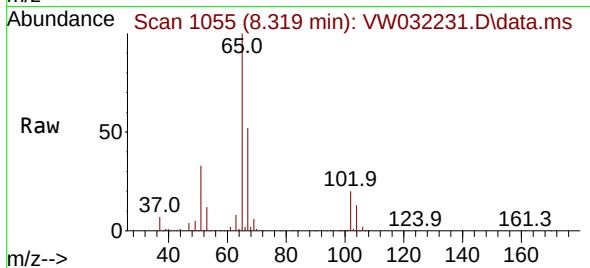




#33
 1,2-Dichloroethane-d4
 Concen: 52.157 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032231.D
 Acq: 22 Sep 2025 15:49

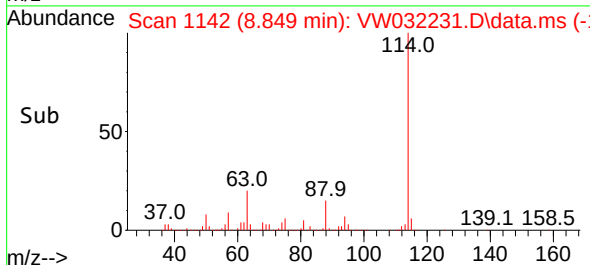
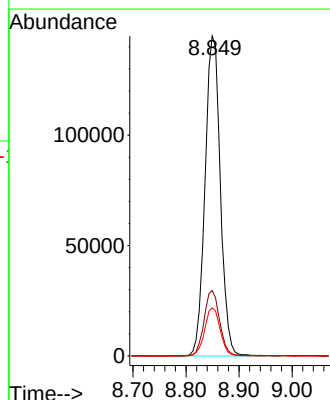
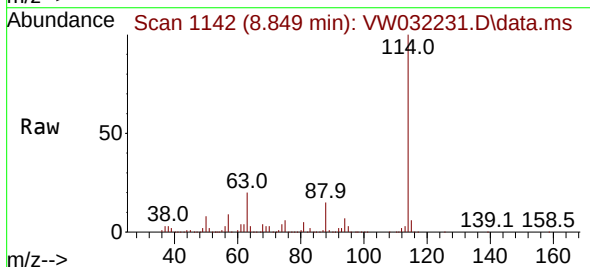
Instrument :
 MSVOA_W
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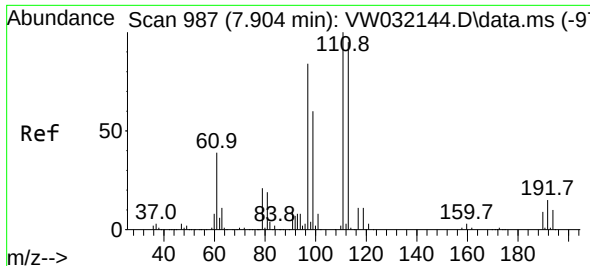
Tgt Ion: 65 Resp: 101742
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032231.D
 Acq: 22 Sep 2025 15:49

Tgt Ion: 114 Resp: 290105
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.4
 88 15.0 0.0 32.0

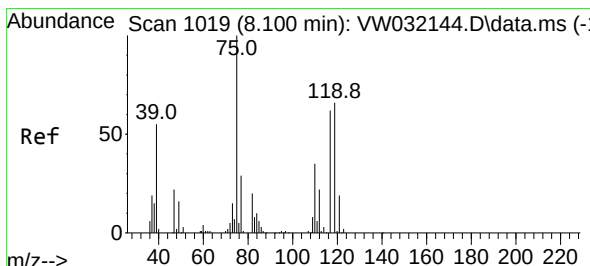
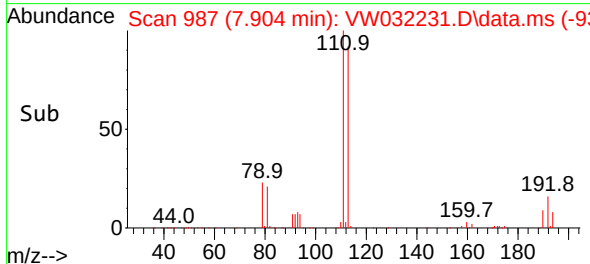
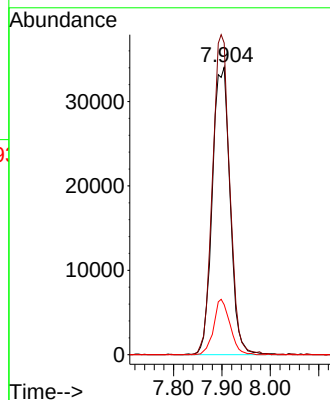
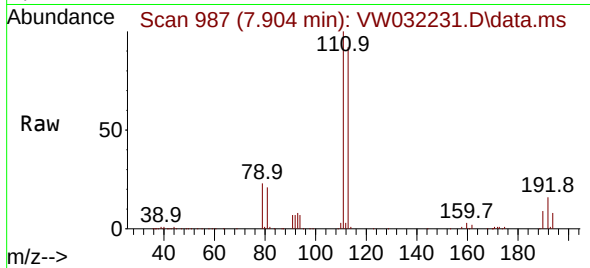




#35
Dibromofluoromethane
Concen: 42.704 ug/l
RT: 7.904 min Scan# 911
Delta R.T. 0.000 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

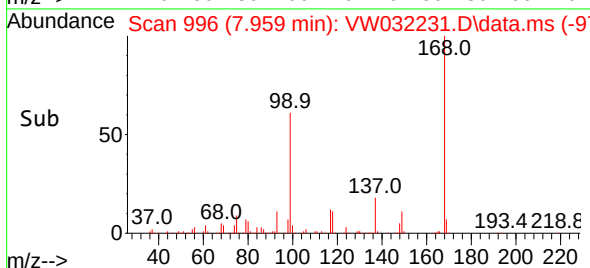
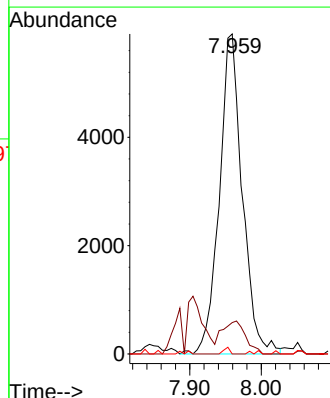
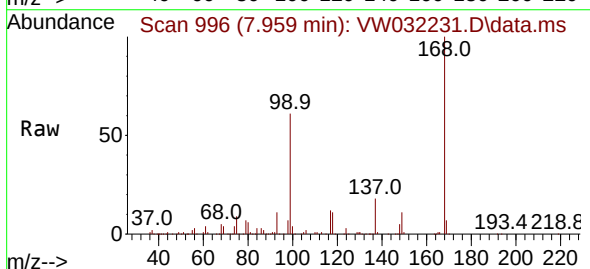
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

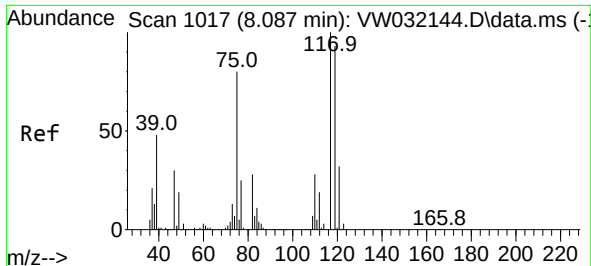
Tgt Ion:113 Resp: 86917
Ion Ratio Lower Upper
113 100
111 107.7 83.9 125.9
192 17.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 5.005 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 75 Resp: 13208
Ion Ratio Lower Upper
75 100
110 10.6 17.5 52.5#
77 0.5 24.1 36.1#

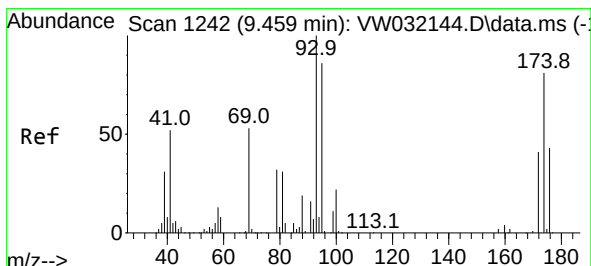
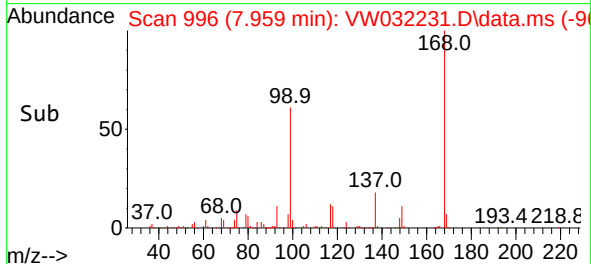
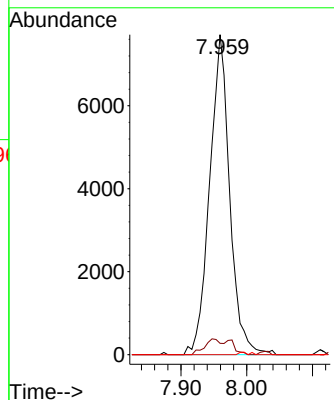
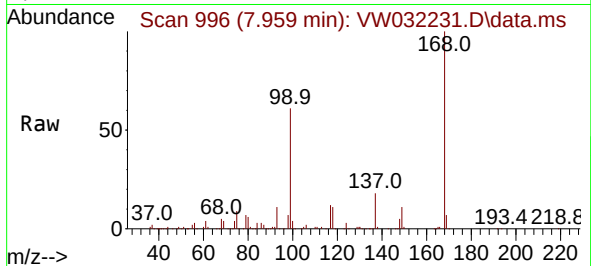




#38
Carbon Tetrachloride
Concen: 5.782 ug/l
RT: 7.959 min Scan# 91
Delta R.T. -0.128 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

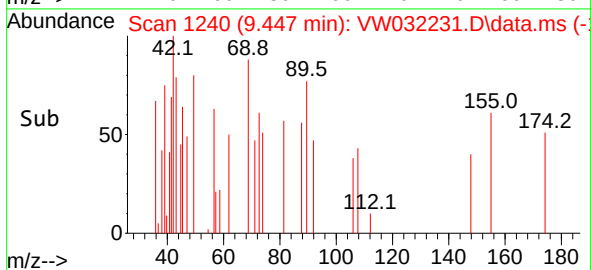
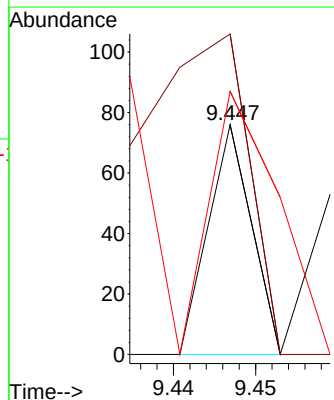
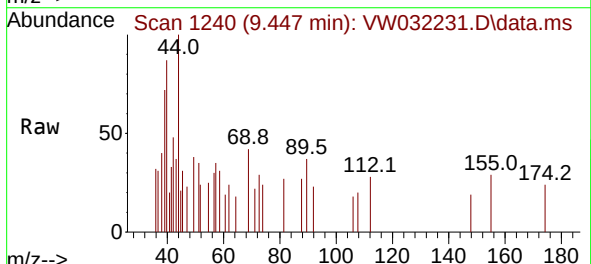
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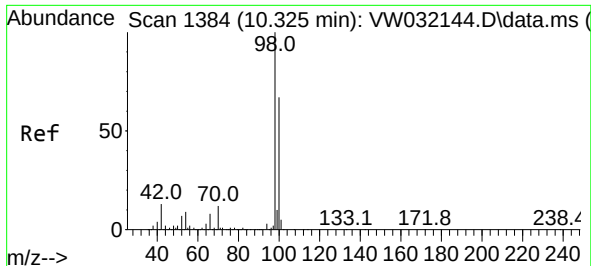
Tgt Ion:117 Resp: 16358
Ion Ratio Lower Upper
117 100
119 3.6 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 1.680 ug/l
RT: 9.447 min Scan# 1240
Delta R.T. -0.012 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 88 Resp: 28
Ion Ratio Lower Upper
88 100
43 457.1 18.0 27.0#
58 0.0 55.4 83.0#

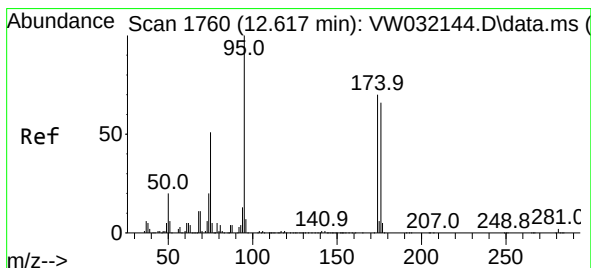
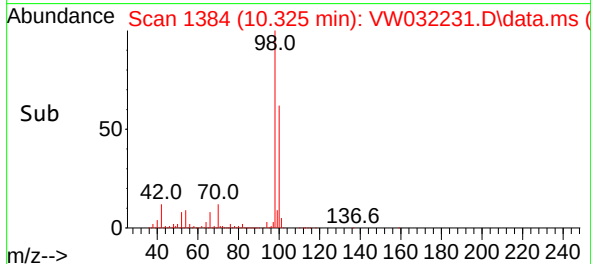
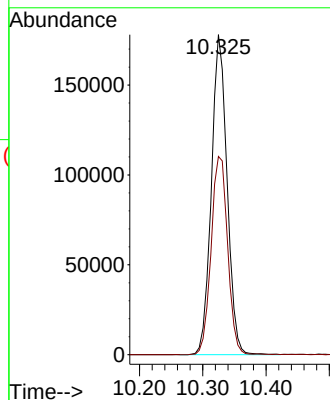
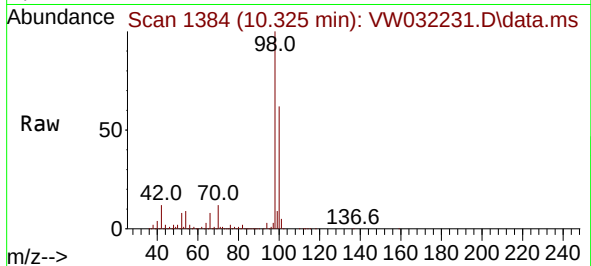




#50
Toluene-d8
Concen: 42.862 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

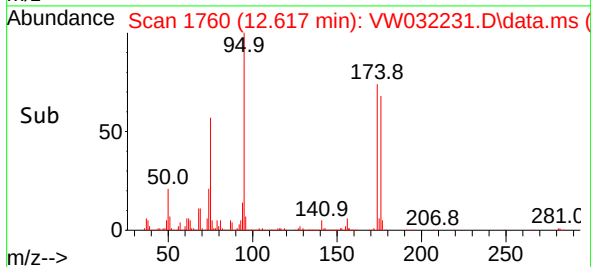
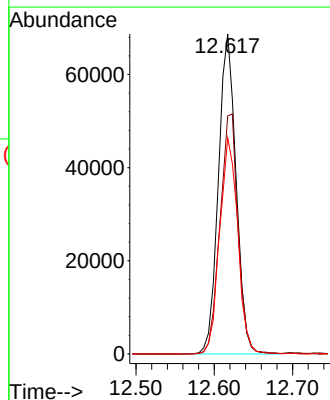
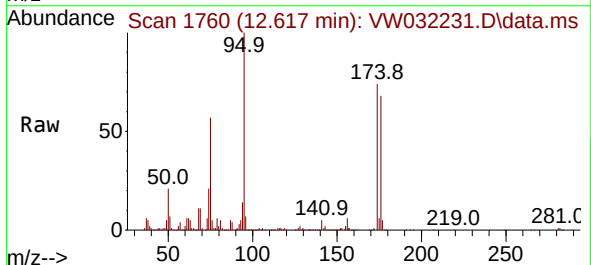
Instrument :
MSVOA_W
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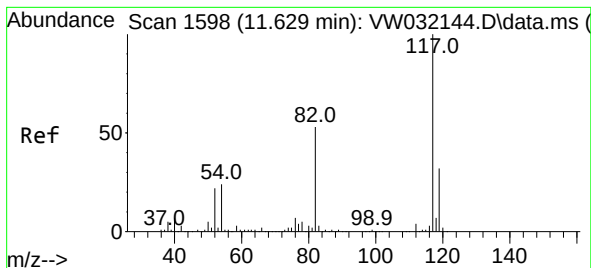
Tgt Ion: 98 Resp: 306253
Ion Ratio Lower Upper
98 100
100 65.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 40.917 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 95 Resp: 108107
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.6
176 69.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032231.D

Acq: 22 Sep 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

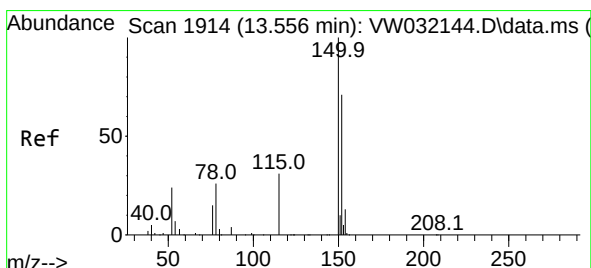
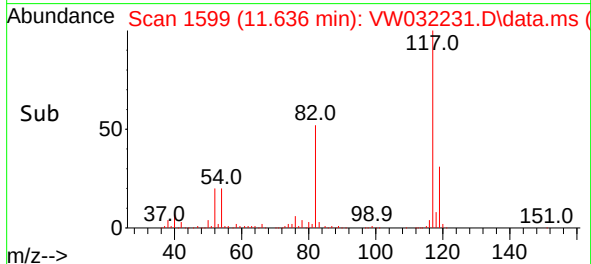
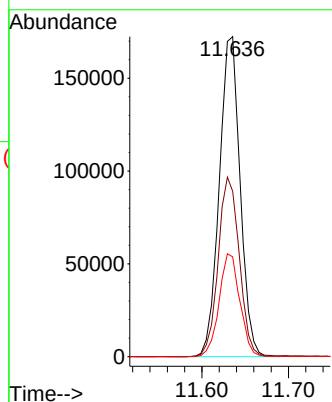
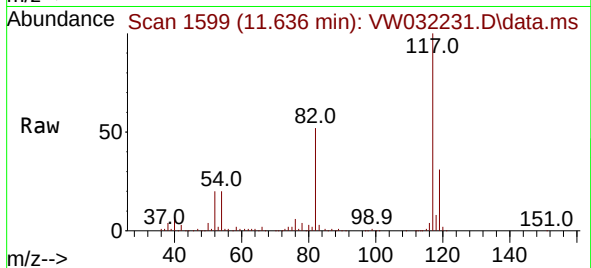
Tgt Ion:117 Resp: 288684

Ion Ratio Lower Upper

117 100

82 51.7 42.7 64.1

119 31.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032231.D

Acq: 22 Sep 2025 15:49

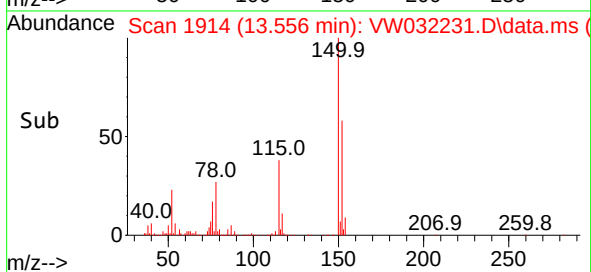
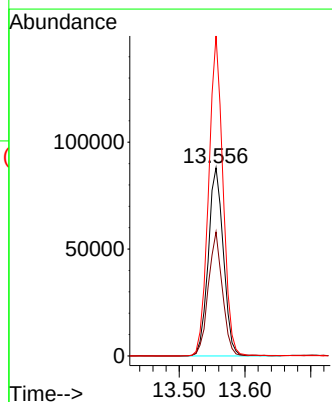
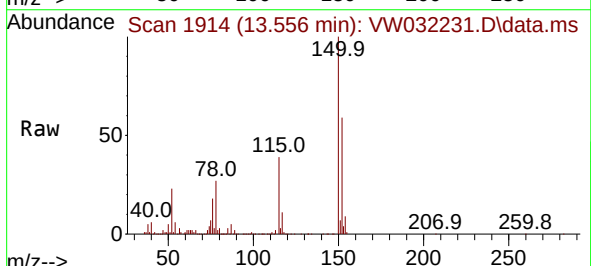
Tgt Ion:152 Resp: 141044

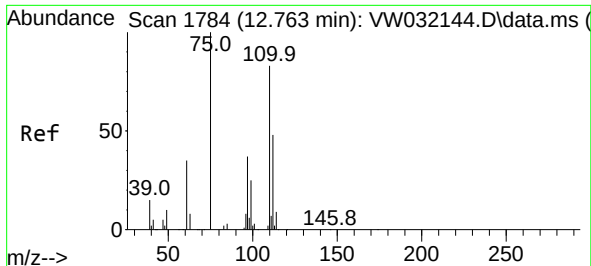
Ion Ratio Lower Upper

152 100

115 61.5 31.8 95.4

150 161.6 0.0 343.0

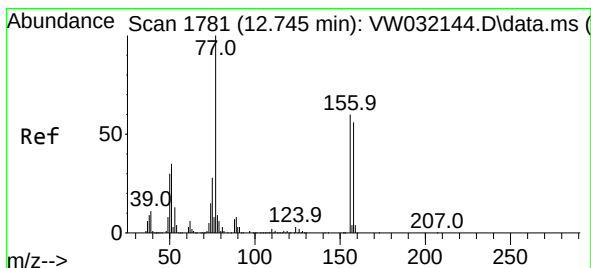
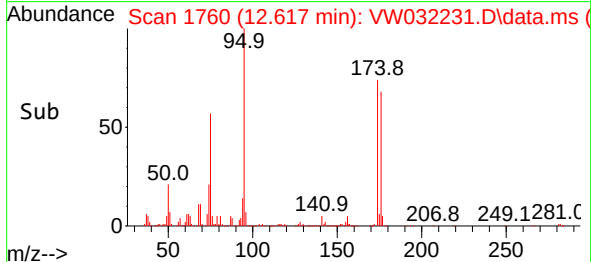
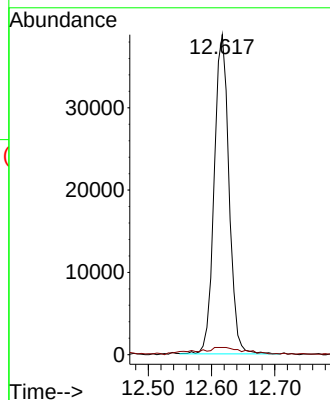
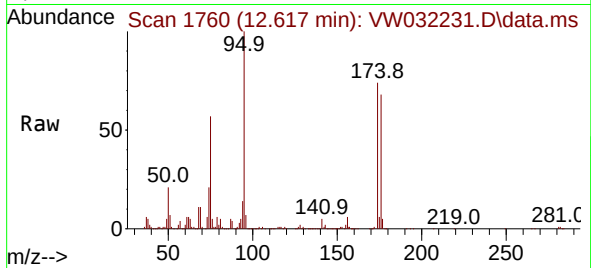




#76
1,2,3-Trichloropropane
Concen: 35.610 ug/l
RT: 12.617 min Scan# 1763
Delta R.T. -0.146 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

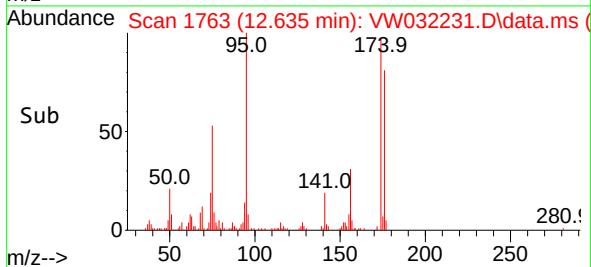
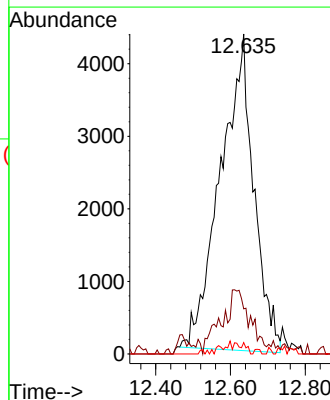
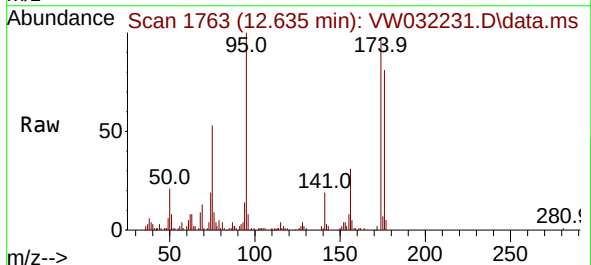
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

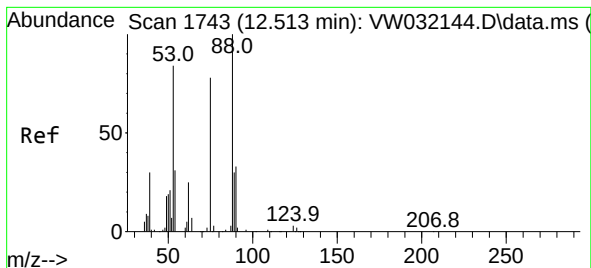
Tgt Ion: 75 Resp: 62923
Ion Ratio Lower Upper
75 100
77 4.9 141.7 425.1#



#77
Bromobenzene
Concen: 10.989 ug/l
RT: 12.635 min Scan# 1763
Delta R.T. -0.110 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 156 Resp: 26851
Ion Ratio Lower Upper
156 100
77 0.0 98.6 295.7#
158 0.0 48.4 145.0#

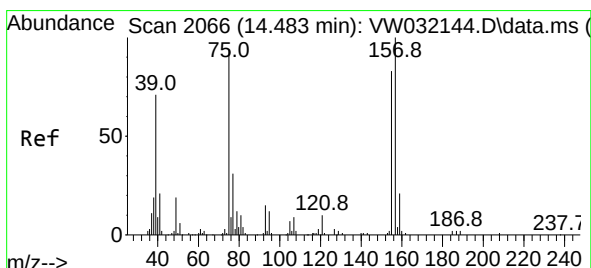
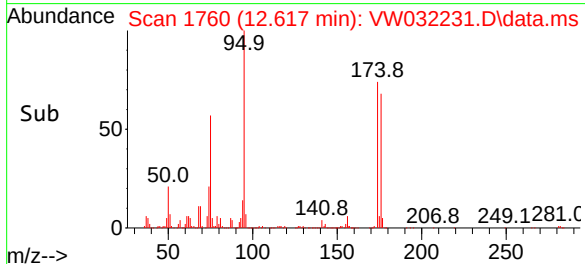
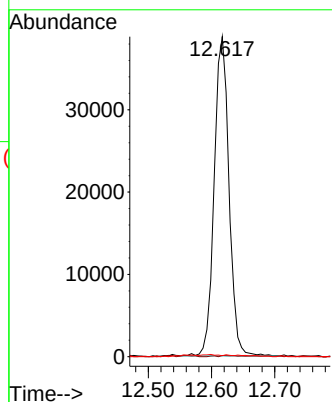
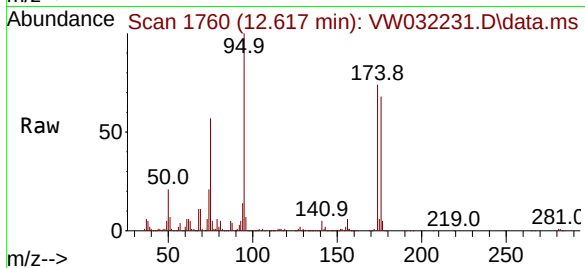




#81
trans-1,4-Dichloro-2-butene
Concen: 95.879 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 62923
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.0 39.4 59.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.041 ug/l
RT: 14.458 min Scan# 2062
Delta R.T. -0.024 min
Lab File: VW032231.D
Acq: 22 Sep 2025 15:49

Tgt Ion: 75 Resp: 821
Ion Ratio Lower Upper
75 100
155 0.0 40.8 122.5#
157 0.0 51.8 155.4#

