

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031735.D
 Acq On : 30 Jun 2025 14:11
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

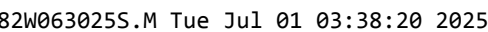
Quant Time: Jul 01 03:38:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

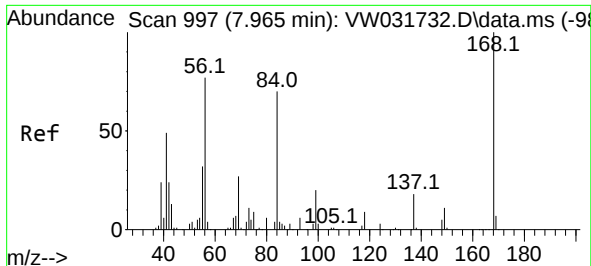
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.953	168	184208	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.849	114	340981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	294315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	128306	48.535	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.060%		
35) Dibromofluoromethane	7.898	113	104056	46.766	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	93.540%		
50) Toluene-d8	10.325	98	384066	46.383	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	92.760%		
62) 4-Bromofluorobenzene	12.617	95	126215	41.421	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	82.840%		
Target Compounds						Qvalue
8) Diethyl Ether	3.716	74	3273	2.386	ug/l	65
16) Acetone	4.161	43	10039	15.364	ug/l	94
20) Methylene Chloride	4.954	84	17843	2.672	ug/l	95
31) Cyclohexane	7.953	56	4824	1.282	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	16702	5.187	ug/l #	51
38) Carbon Tetrachloride	7.959	117	21374	6.514	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	66700	37.479	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	66700	87.295	ug/l #	8

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

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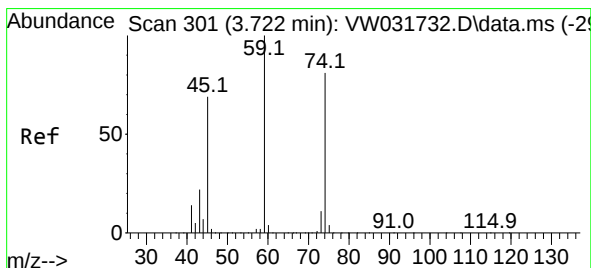
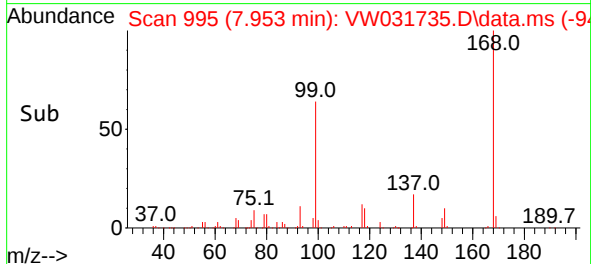
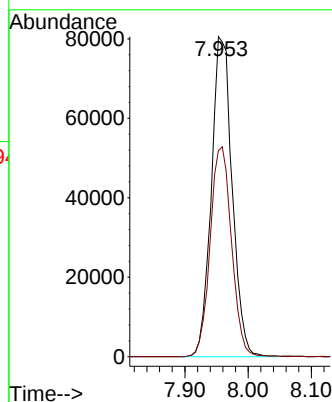
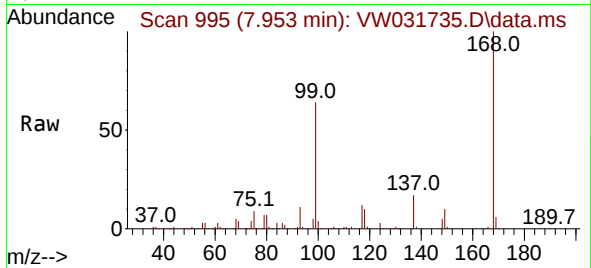




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.012 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

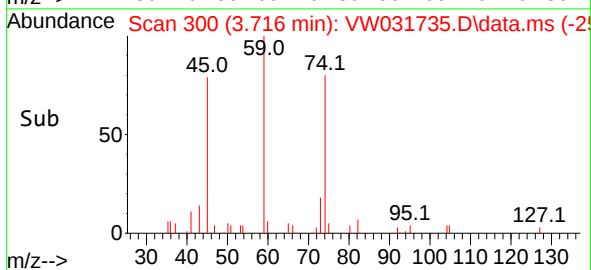
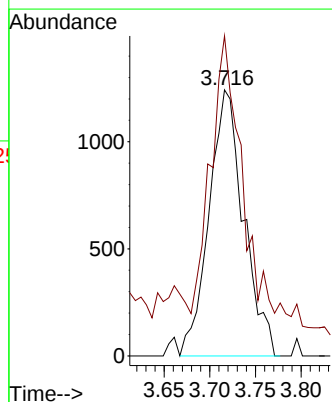
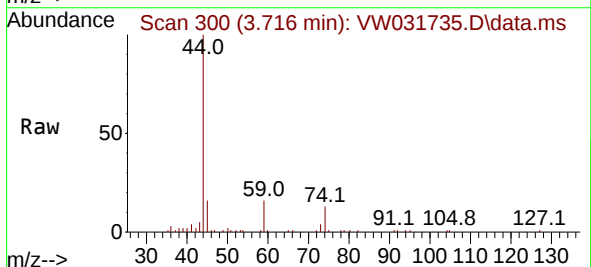
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

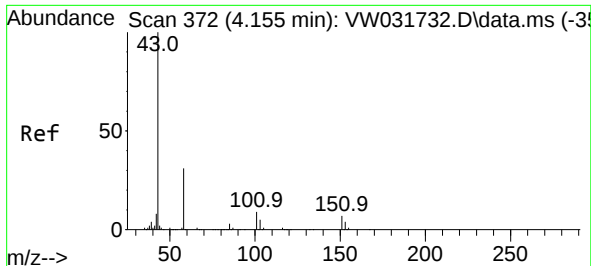
Tgt Ion:168 Resp: 184208
Ion Ratio Lower Upper
168 100
99 64.4 49.4 74.2



#8
Diethyl Ether
Concen: 2.386 ug/l
RT: 3.716 min Scan# 300
Delta R.T. -0.006 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 74 Resp: 3273
Ion Ratio Lower Upper
74 100
45 120.4 43.9 131.7

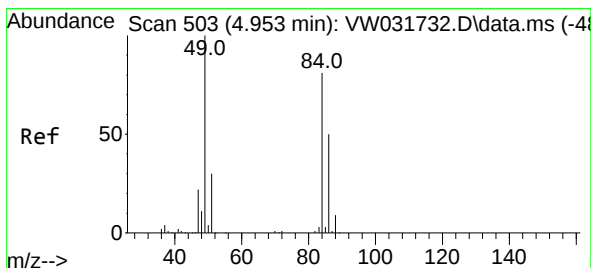
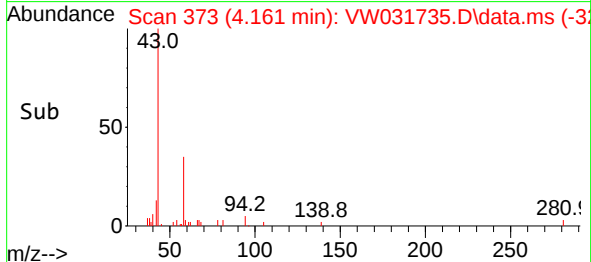
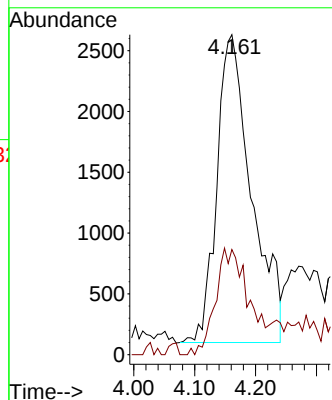
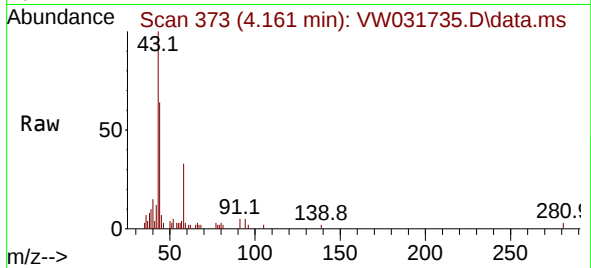




#16
Acetone
Concen: 15.364 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

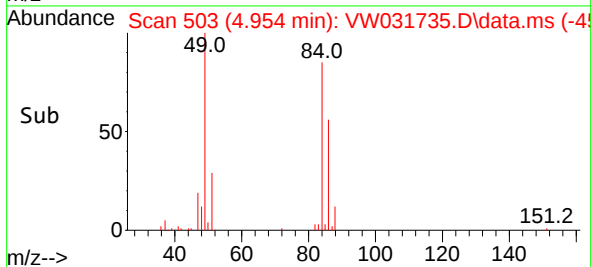
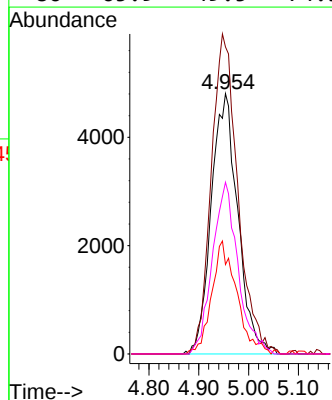
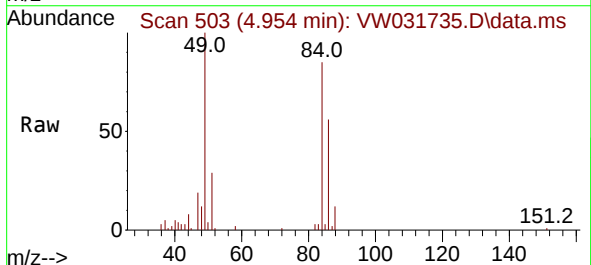
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

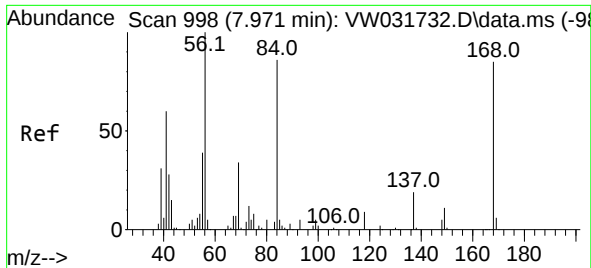
Tgt Ion: 43 Resp: 10039
Ion Ratio Lower Upper
43 100
58 34.1 24.8 37.2



#20
Methylene Chloride
Concen: 2.672 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 84 Resp: 17843
Ion Ratio Lower Upper
84 100
49 118.0 98.2 147.4
51 34.4 29.8 44.8
86 65.9 49.5 74.3

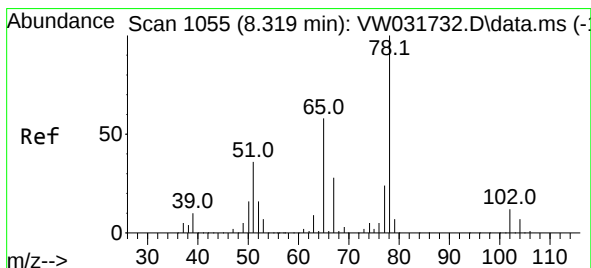
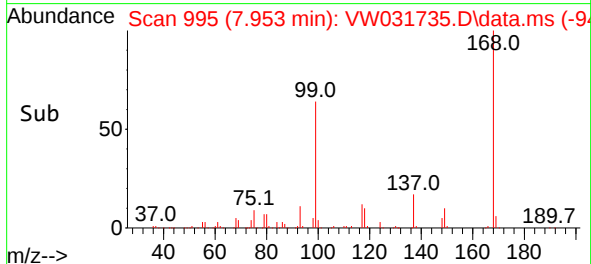
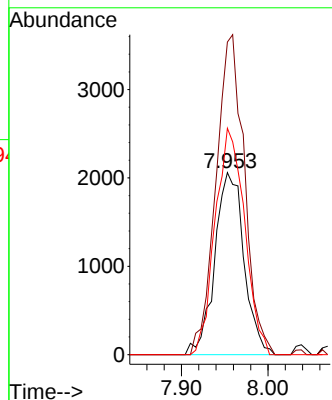
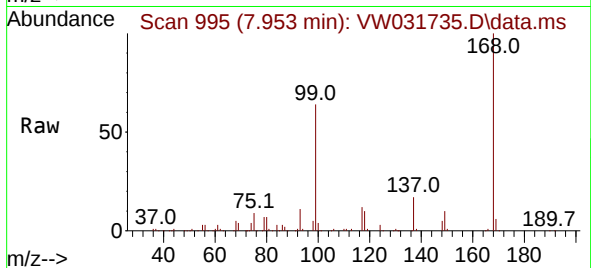




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 7.953 min Scan# 998
Delta R.T. -0.018 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

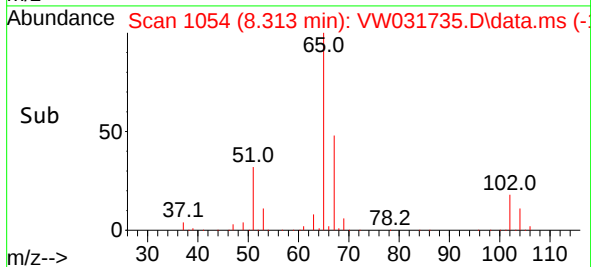
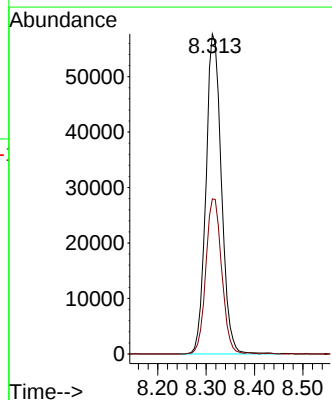
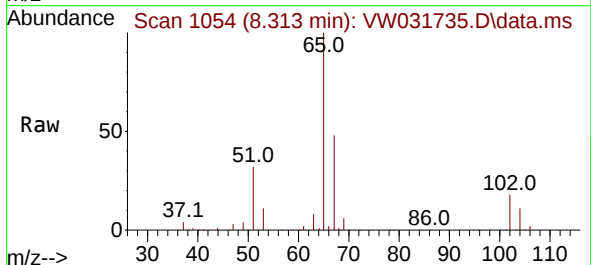
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

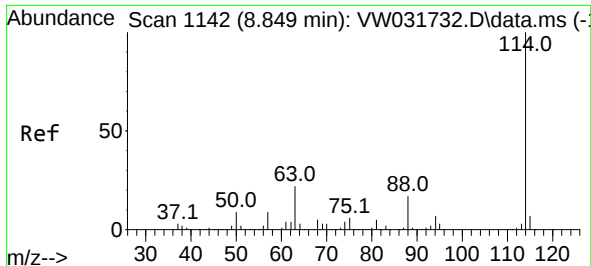
Tgt Ion: 56 Resp: 4824
Ion Ratio Lower Upper
56 100
69 171.7 27.2 40.8#
84 124.3 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 48.535 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 65 Resp: 128306
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031735.D

Acq: 30 Jun 2025 14:11

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

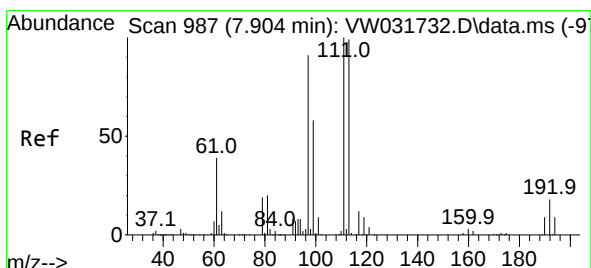
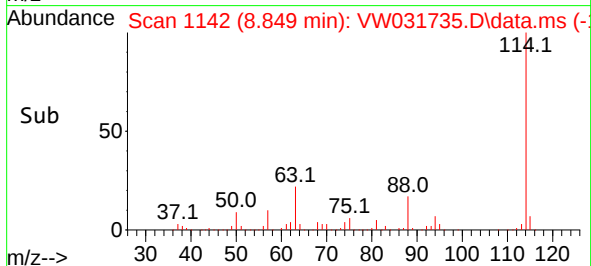
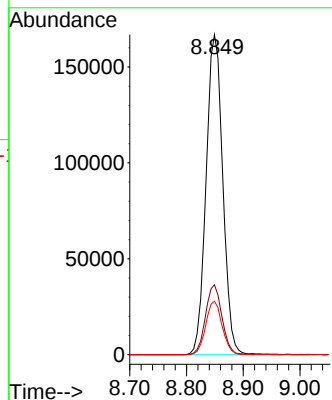
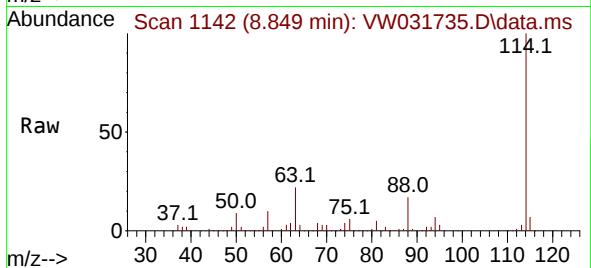
Tgt Ion:114 Resp: 340981

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

88 16.7 0.0 34.2



#35

Dibromofluoromethane

Concen: 46.766 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031735.D

Acq: 30 Jun 2025 14:11

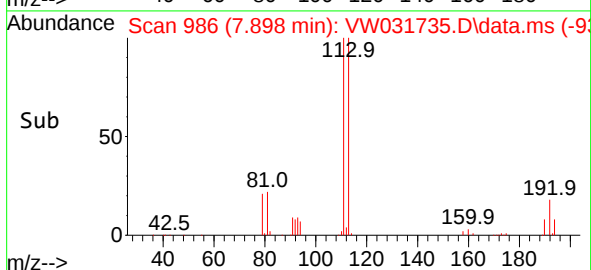
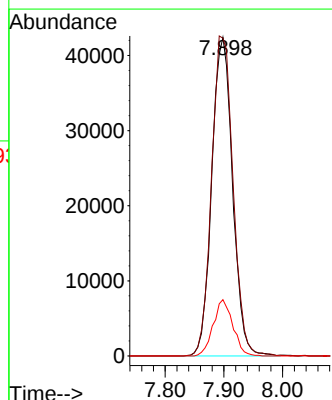
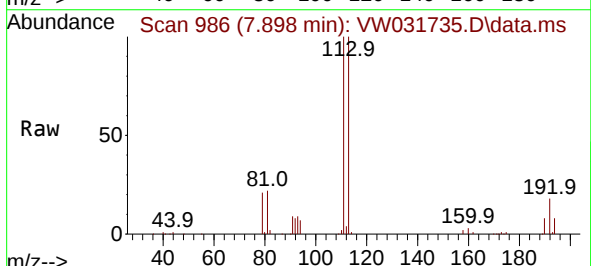
Tgt Ion:113 Resp: 104056

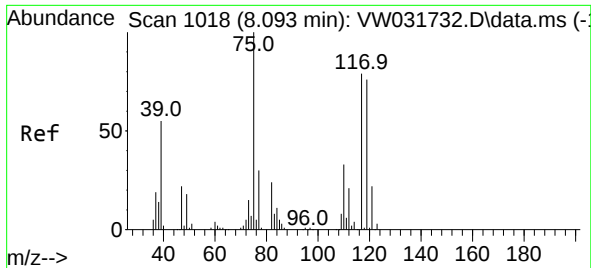
Ion Ratio Lower Upper

113 100

111 103.8 82.1 123.1

192 16.7 13.8 20.6

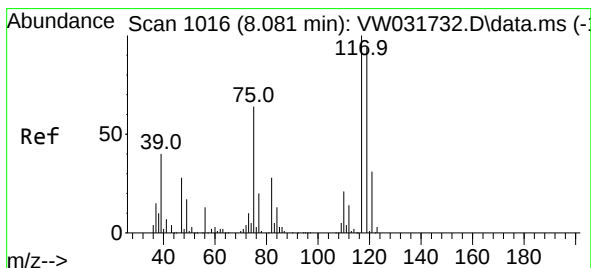
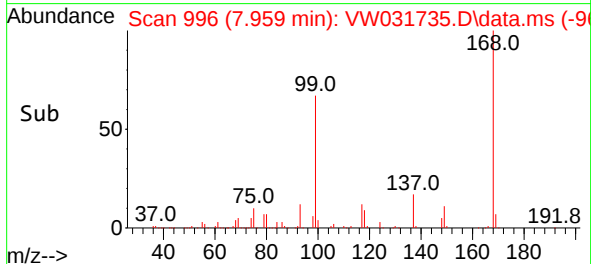
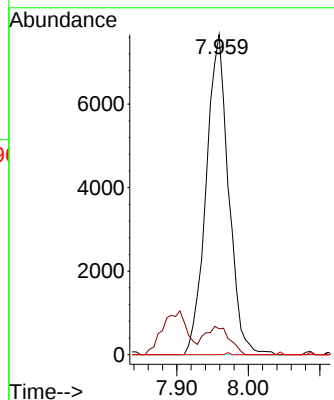
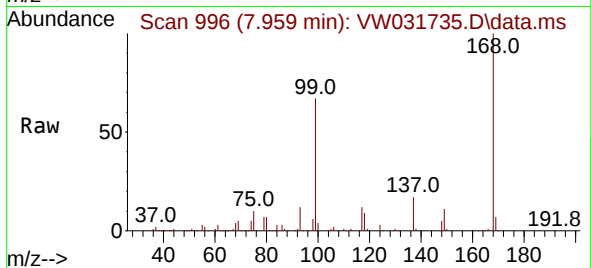




#36
1,1-Dichloropropene
Concen: 5.187 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

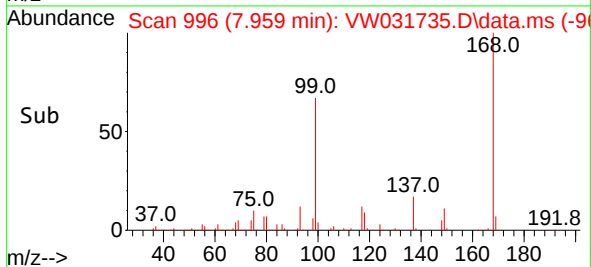
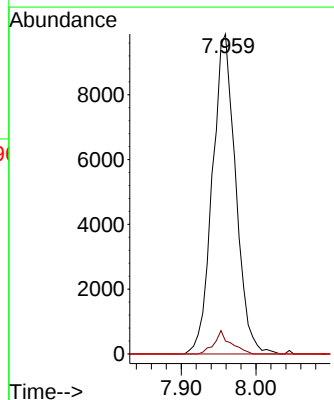
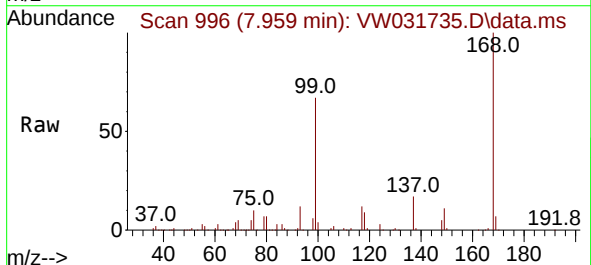
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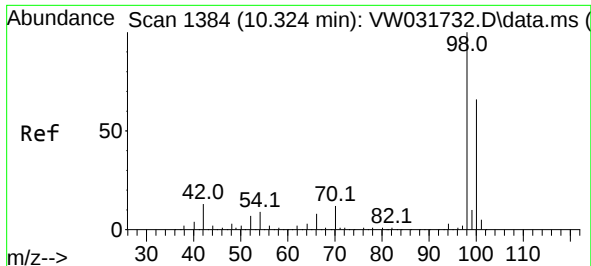
Tgt Ion: 75 Resp: 16702
Ion Ratio Lower Upper
75 100
110 9.7 16.8 50.4#
77 0.1 25.0 37.6#



#38
Carbon Tetrachloride
Concen: 6.514 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 117 Resp: 21374
Ion Ratio Lower Upper
117 100
119 4.0 75.0 112.6#
121 0.0 24.6 37.0#

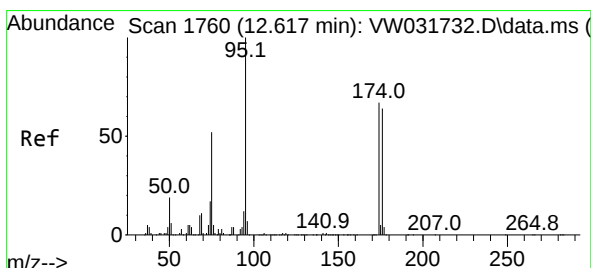
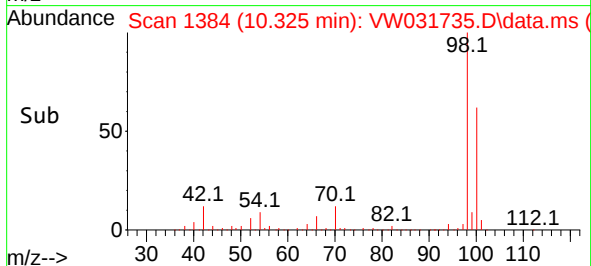
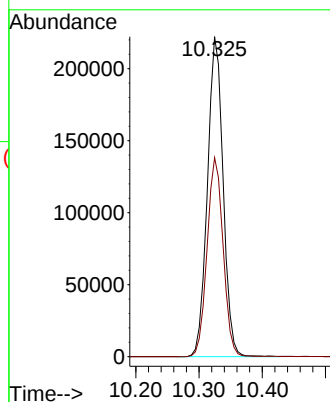
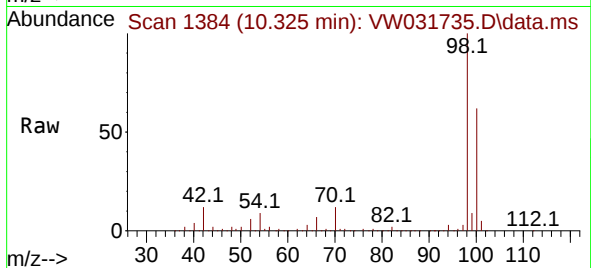




#50
Toluene-d8
Concen: 46.383 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

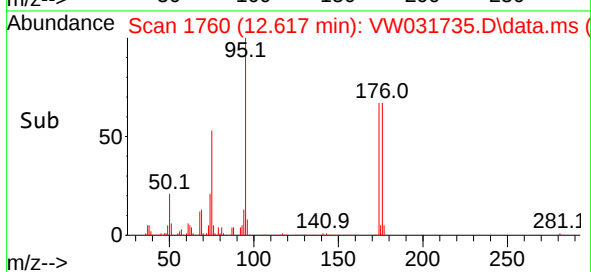
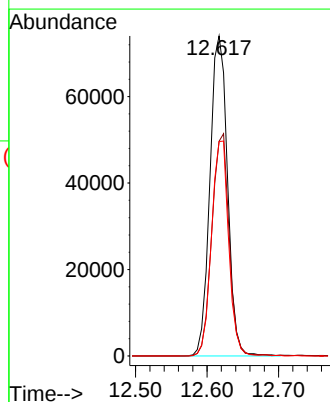
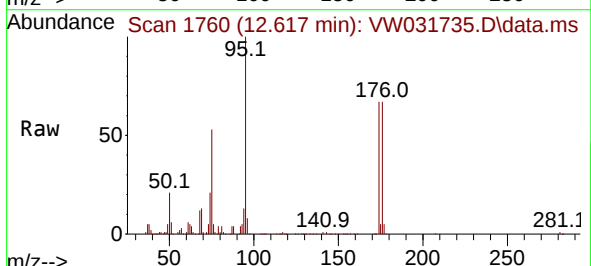
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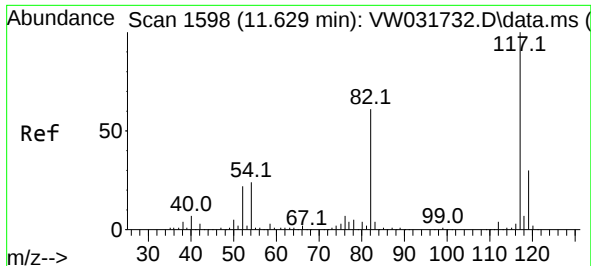
Tgt Ion: 98 Resp: 384066
Ion Ratio Lower Upper
98 100
100 63.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.421 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 95 Resp: 126215
Ion Ratio Lower Upper
95 100
174 68.3 0.0 133.8
176 65.8 0.0 126.0

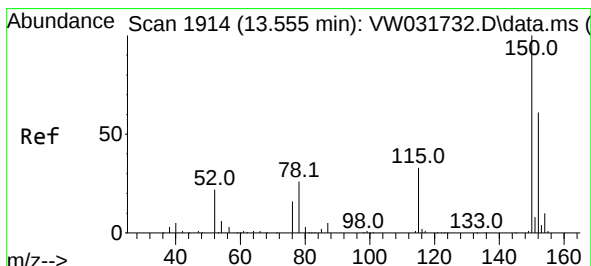
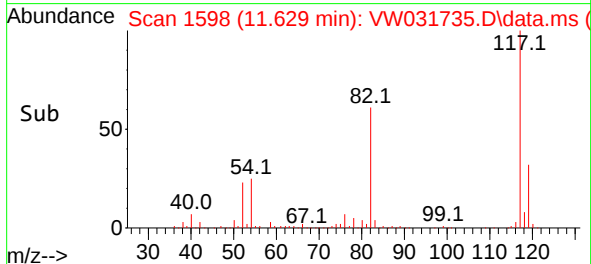
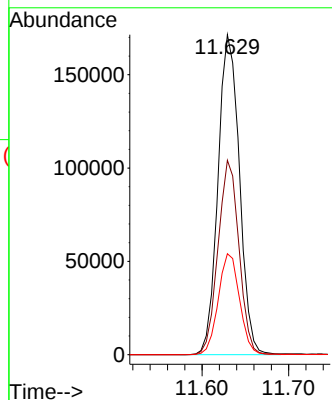
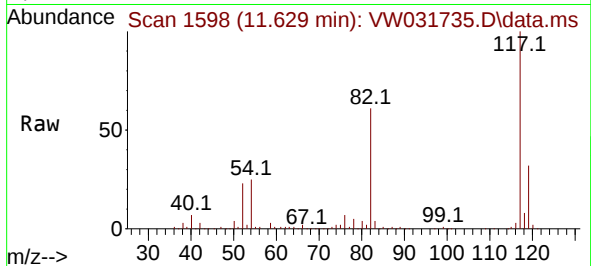




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

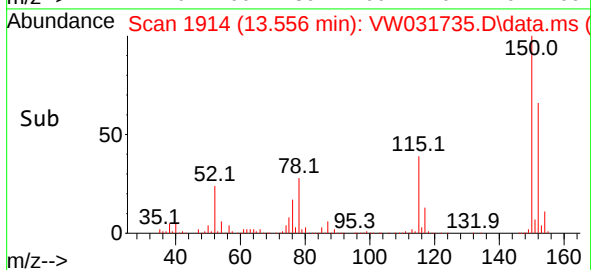
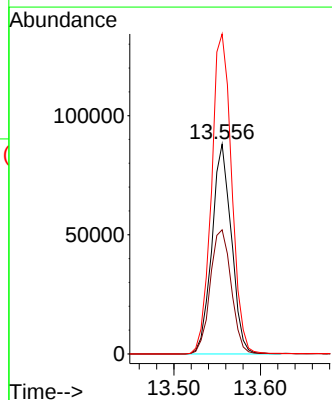
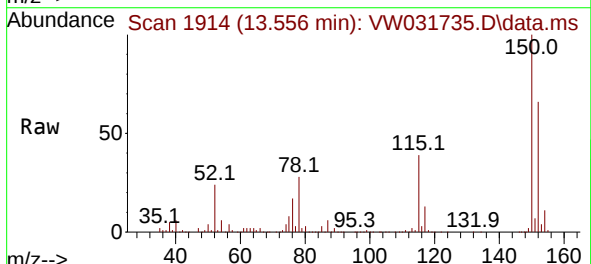
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

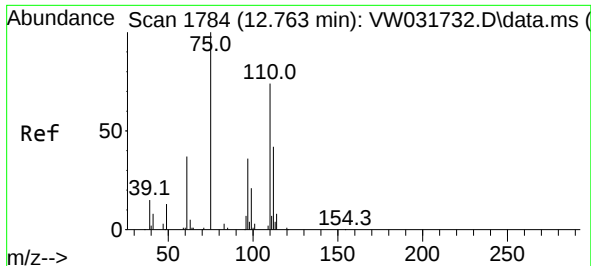
Tgt Ion:117 Resp: 294315
Ion Ratio Lower Upper
117 100
82 60.7 48.6 72.8
119 31.5 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion:152 Resp: 137715
Ion Ratio Lower Upper
152 100
115 63.8 31.9 95.7
150 158.1 0.0 356.4

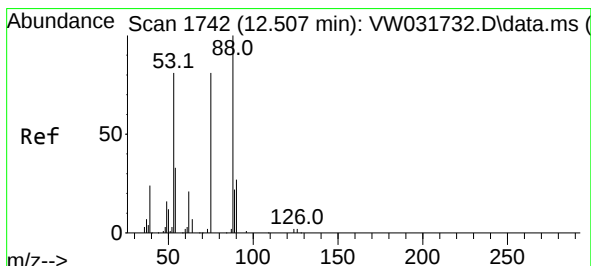
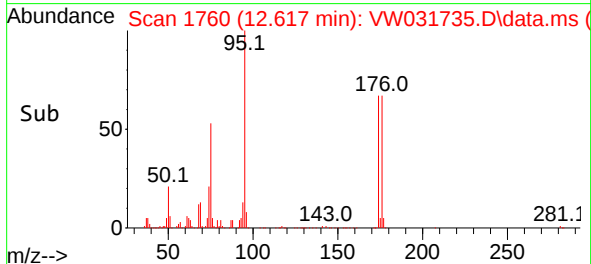
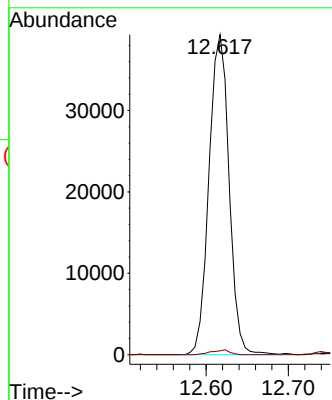
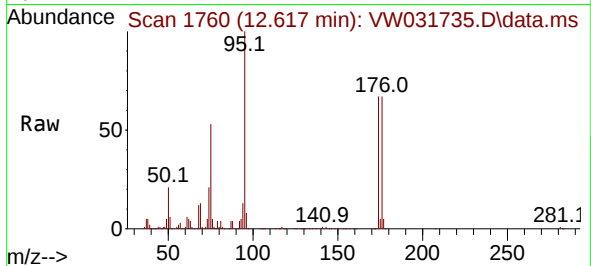




#76
1,2,3-Trichloropropane
Concen: 37.479 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 66700
Ion Ratio Lower Upper
75 100
77 1.3 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.295 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031735.D
Acq: 30 Jun 2025 14:11

Tgt Ion: 75 Resp: 66700
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.0 38.3 57.5#

