

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032058.D
 Acq On : 11 Aug 2025 11:30
 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: Aug 12 04:12:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

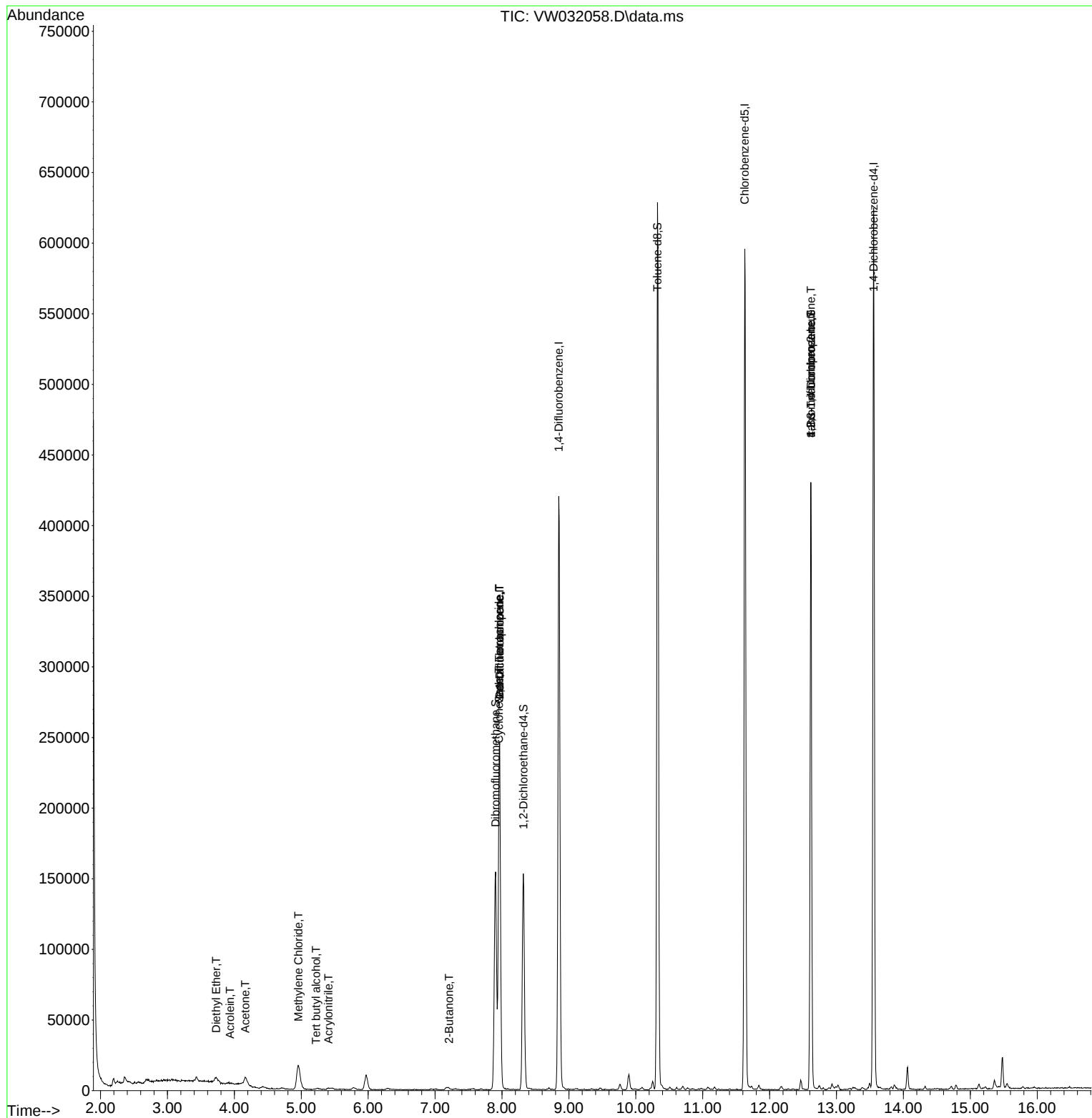
Internal Standards						
1) Pentafluorobenzene	7.965	168	176488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	360864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	330434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	156308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127081	49.787	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.580%
35) Dibromofluoromethane	7.904	113	117071	50.217	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	100.440%
50) Toluene-d8	10.325	98	424673	49.250	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.500%
62) 4-Bromofluorobenzene	12.617	95	152918	48.123	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.240%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.728	74	1930	1.430	ug/l	54
11) Tert butyl alcohol	5.222	59	730	4.417	ug/l #	71
13) Acrolein	3.935	56	788	2.992	ug/l #	42
15) Acrylonitrile	5.405	53	1341	2.086	ug/l #	83
16) Acetone	4.161	43	12481	21.119	ug/l	90
20) Methylene Chloride	4.960	84	15891	5.816	ug/l	91
25) 2-Butanone	7.209	43	1094	1.303	ug/l	94
31) Cyclohexane	7.953	56	4142	1.139	ug/l #	3
36) 1,1-Dichloropropene	7.965	75	15217	4.630	ug/l #	50
38) Carbon Tetrachloride	7.959	117	19452	6.133	ug/l #	21
76) 1,2,3-Trichloropropane	12.617	75	77136	36.360	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	77136	94.132	ug/l #	9

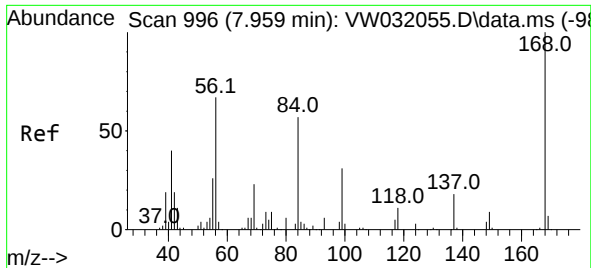
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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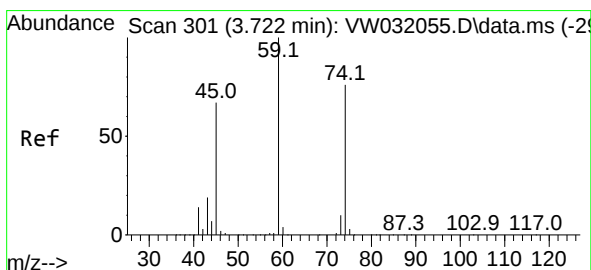
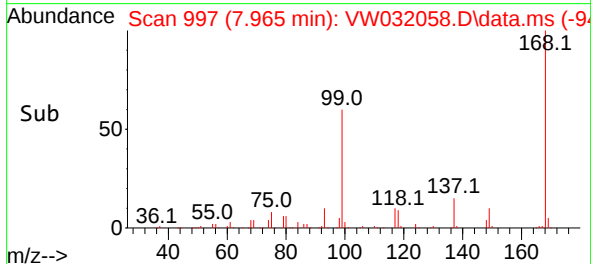
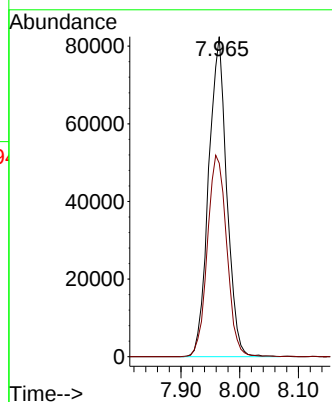
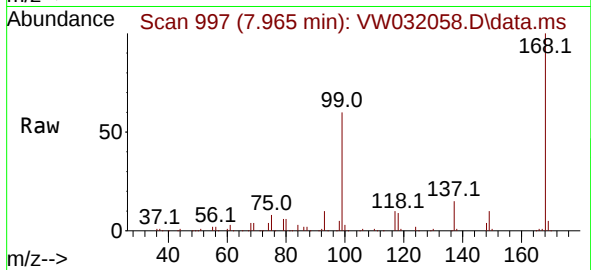




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

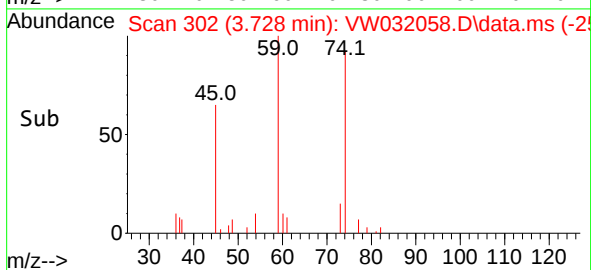
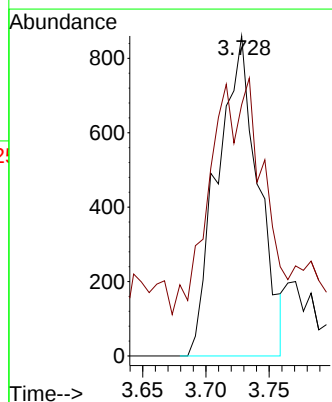
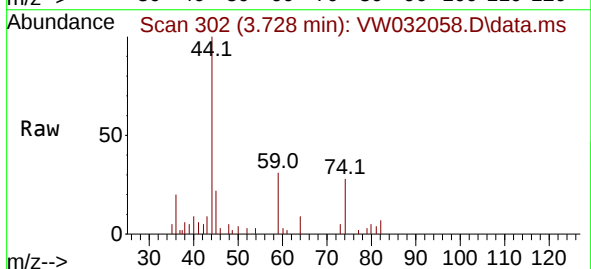
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

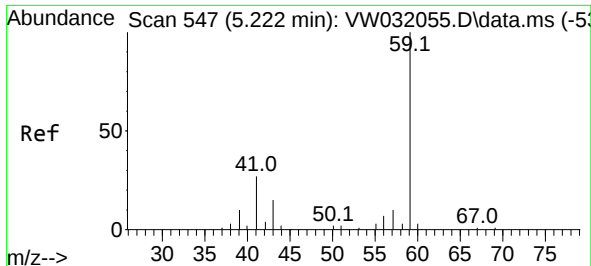
Tgt Ion:168 Resp: 176488
Ion Ratio Lower Upper
168 100
99 60.5 56.0 84.0



#8
Diethyl Ether
Concen: 1.430 ug/l
RT: 3.728 min Scan# 302
Delta R.T. 0.006 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 74 Resp: 1930
Ion Ratio Lower Upper
74 100
45 47.6 45.4 136.2

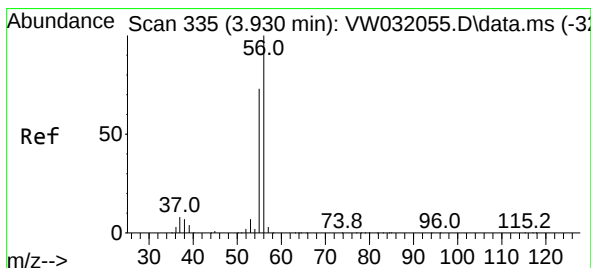
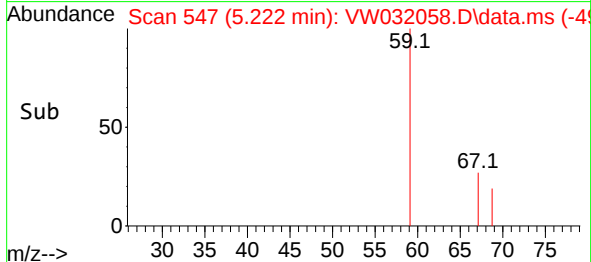
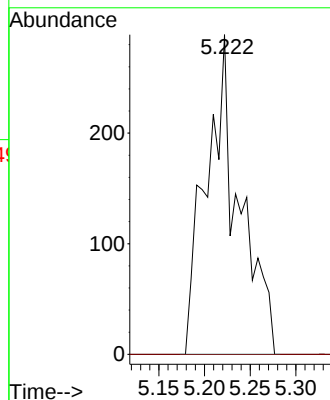
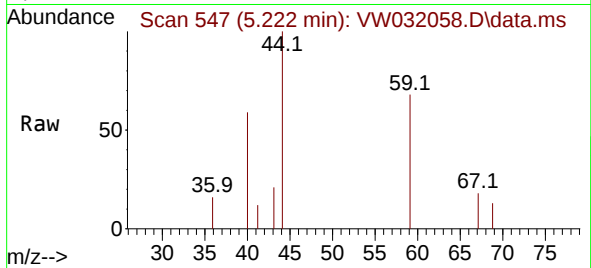




#11
Tert butyl alcohol
Concen: 4.417 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

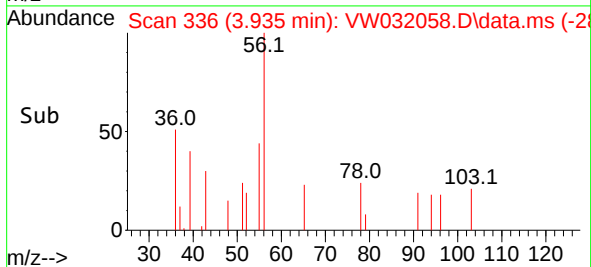
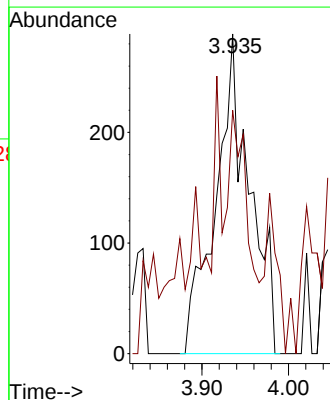
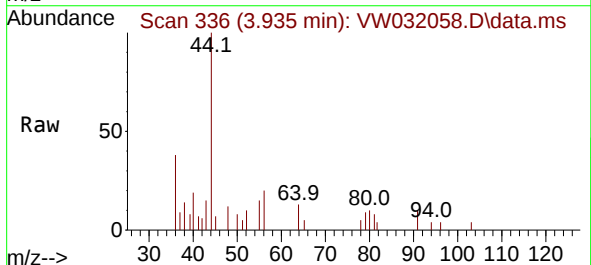
Instrument :
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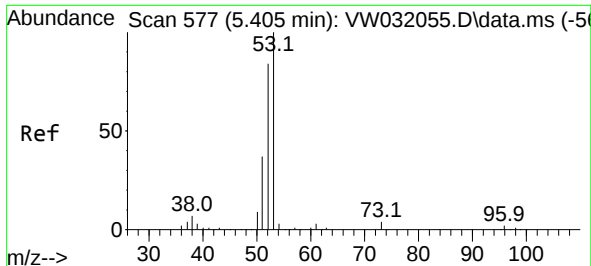
Tgt Ion: 59 Resp: 730
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 2.992 ug/l
RT: 3.935 min Scan# 336
Delta R.T. 0.006 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 56 Resp: 788
Ion Ratio Lower Upper
56 100
55 22.0 55.4 83.2#

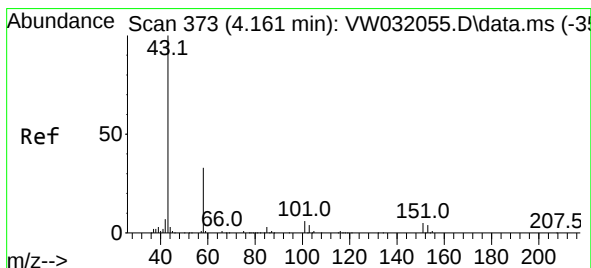
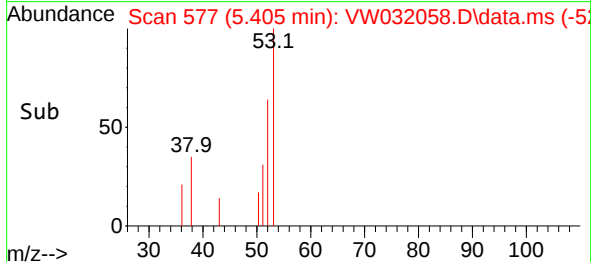
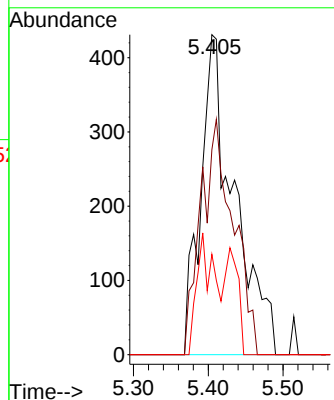
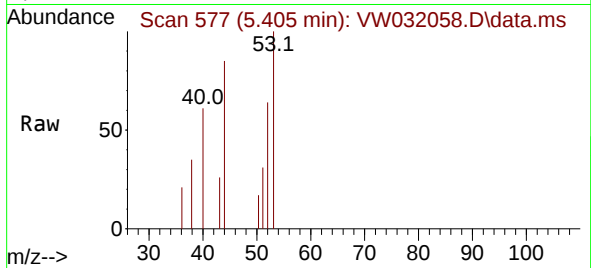




#15
Acrylonitrile
Concen: 2.086 ug/l
RT: 5.405 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

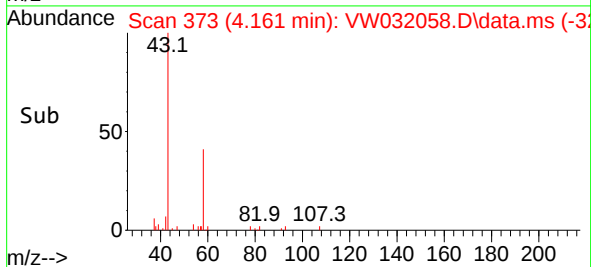
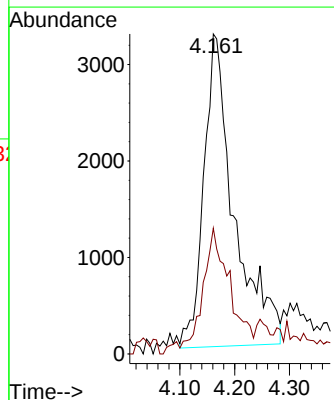
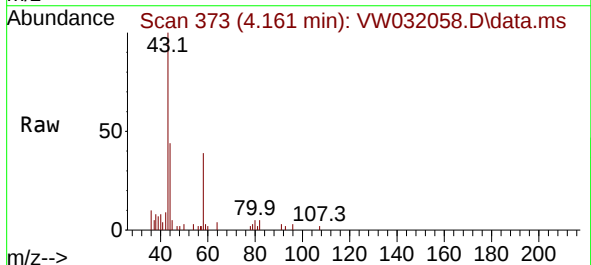
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

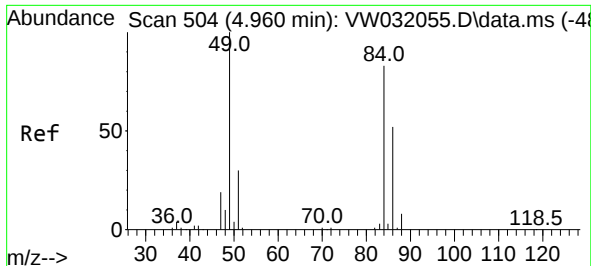
Tgt Ion: 53 Resp: 1341
Ion Ratio Lower Upper
53 100
52 71.4 66.1 99.1
51 20.1 29.2 43.8#



#16
Acetone
Concen: 21.119 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 43 Resp: 12481
Ion Ratio Lower Upper
43 100
58 38.7 26.6 39.8

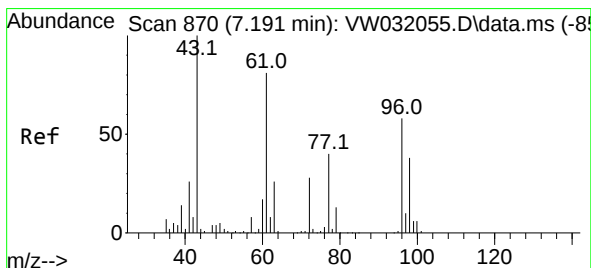
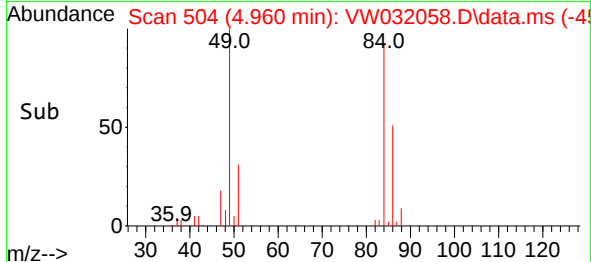
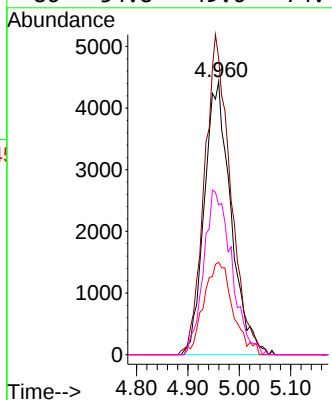
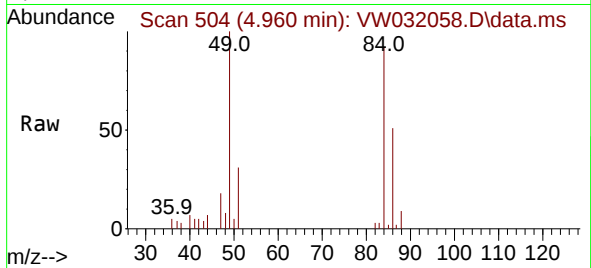




#20
Methylene Chloride
Concen: 5.816 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

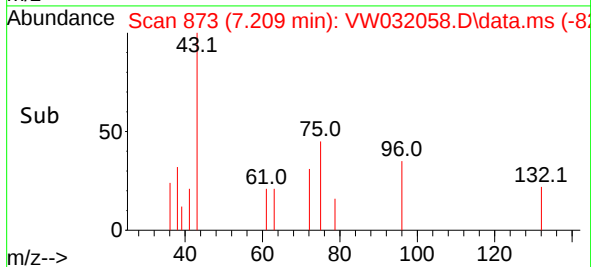
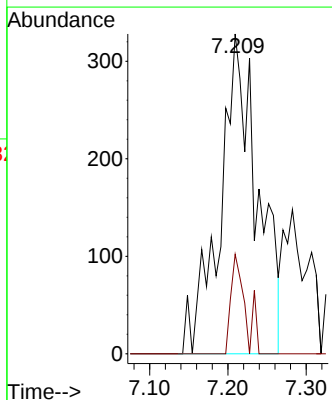
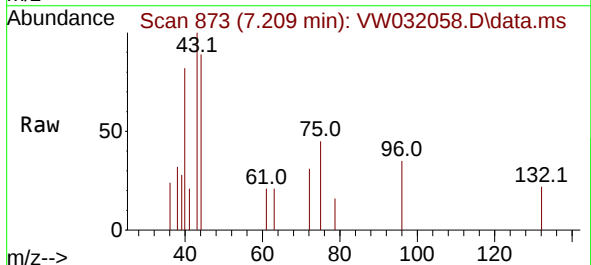
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

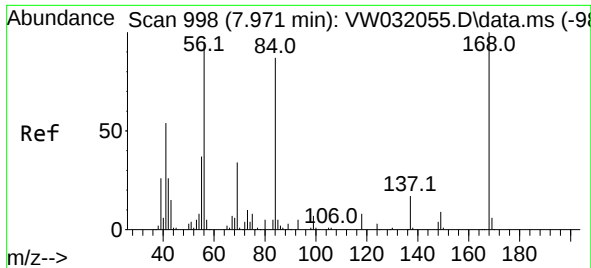
Tgt Ion:	84	Resp:	15891
Ion	Ratio	Lower	Upper
84	100		
49	108.4	95.9	143.9
51	33.8	28.6	43.0
86	54.8	49.6	74.4



#25
2-Butanone
Concen: 1.303 ug/l
RT: 7.209 min Scan# 873
Delta R.T. 0.018 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion:	43	Resp:	1094
Ion	Ratio	Lower	Upper
43	100		
72	31.1	22.3	33.5

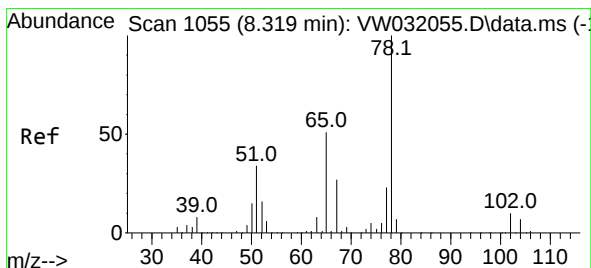
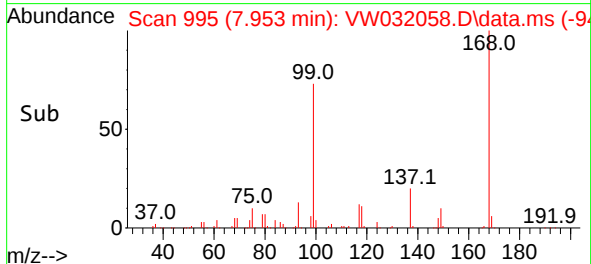
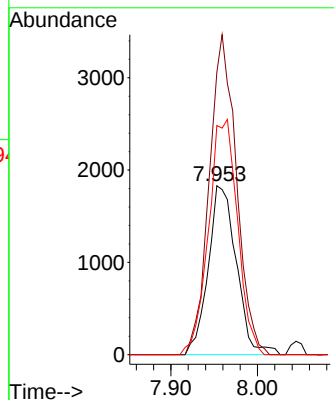
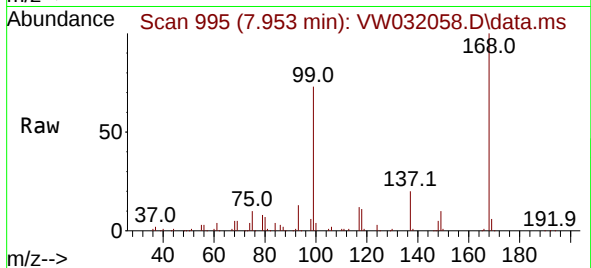




#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

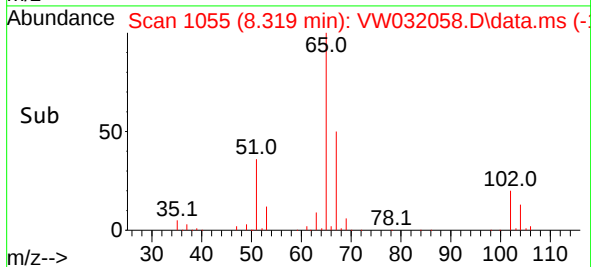
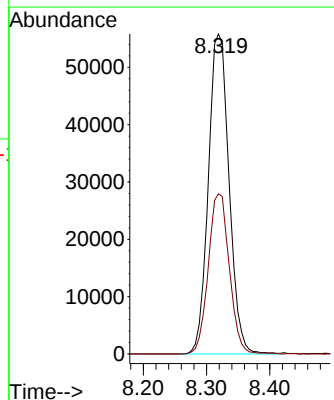
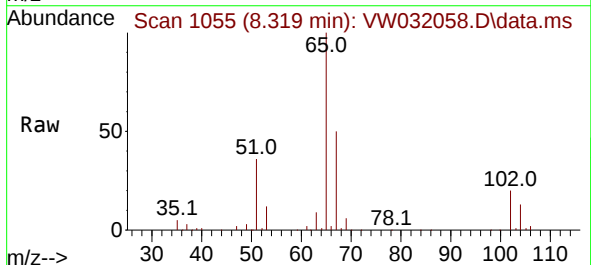
Instrument :
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ClientSampleId :
VIBLK

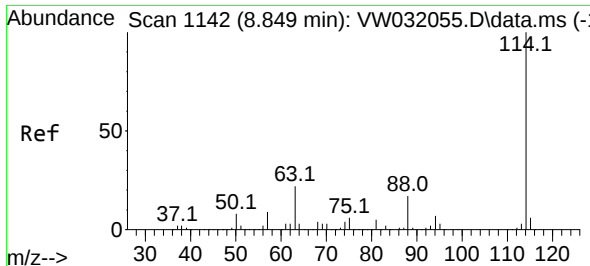
Tgt Ion: 56 Resp: 4142
Ion Ratio Lower Upper
56 100
69 167.0 28.6 42.8#
84 135.6 73.0 109.4#



#33
1,2-Dichloroethane-d4
Concen: 49.787 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 65 Resp: 127081
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VW032058.D

Acq: 11 Aug 2025 11:30

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

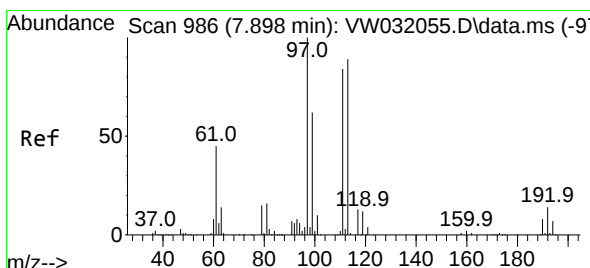
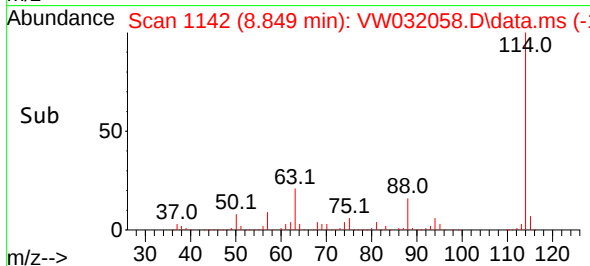
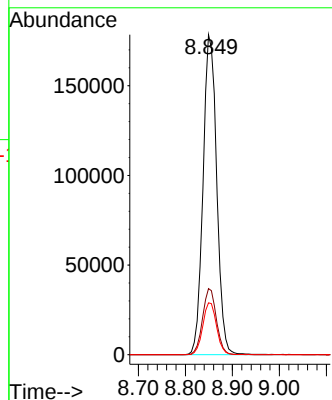
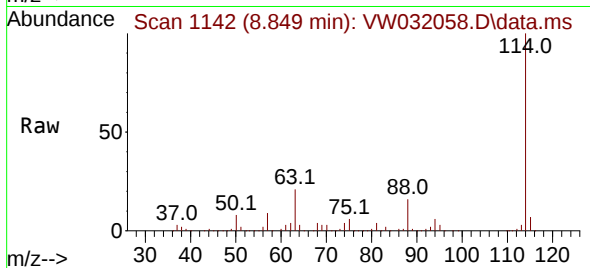
Tgt Ion:114 Resp: 360864

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

88 16.2 0.0 33.8



#35

Dibromofluoromethane

Concen: 50.217 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.006 min

Lab File: VW032058.D

Acq: 11 Aug 2025 11:30

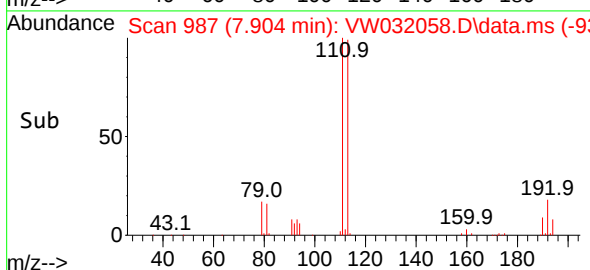
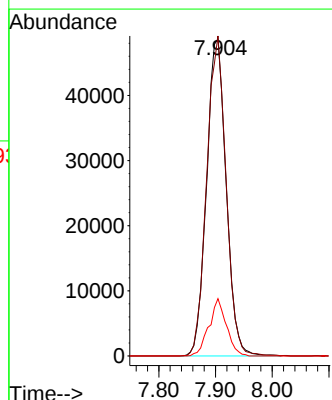
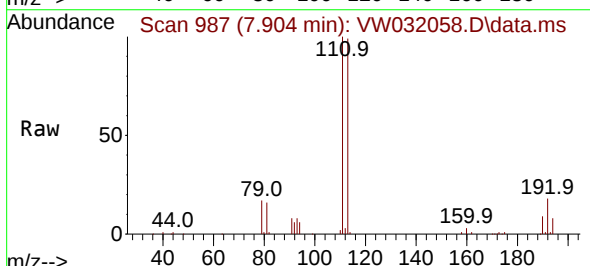
Tgt Ion:113 Resp: 117071

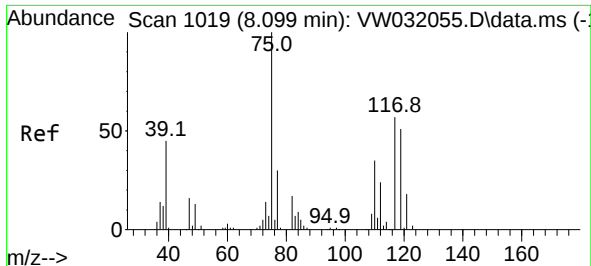
Ion Ratio Lower Upper

113 100

111 99.8 80.1 120.1

192 16.1 13.1 19.7

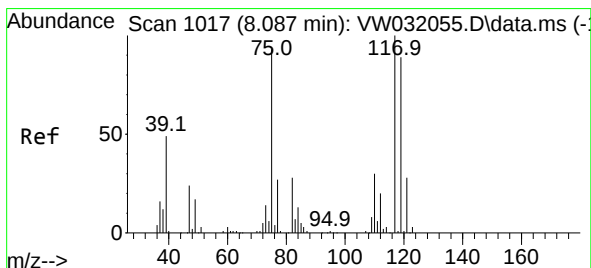
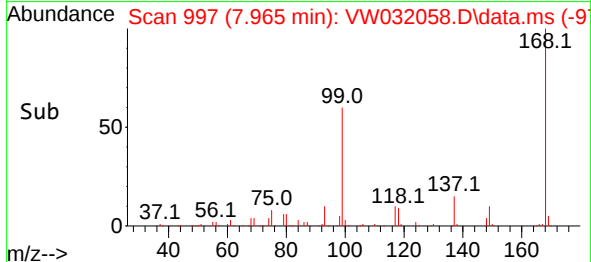
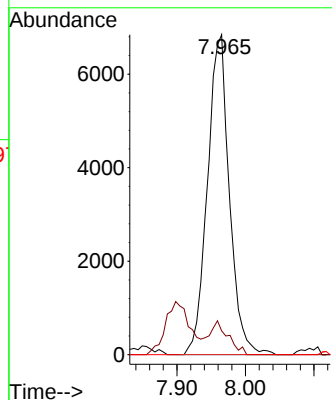
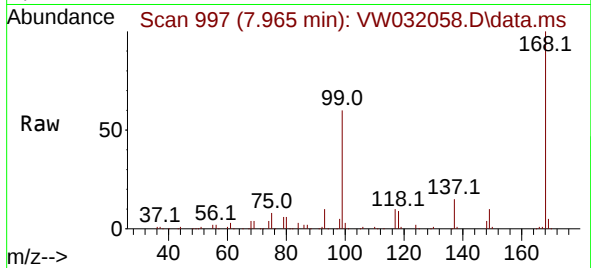




#36
 1,1-Dichloropropene
 Concen: 4.630 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032058.D
 Acq: 11 Aug 2025 11:30

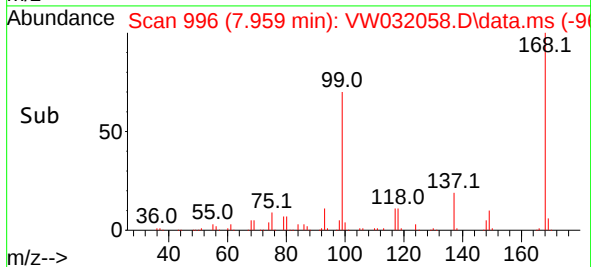
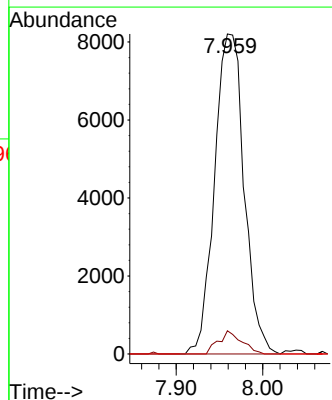
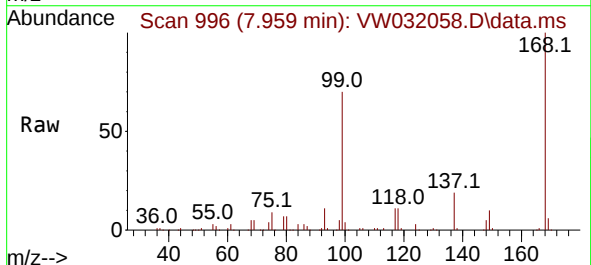
Instrument :
 MSVOA_W
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 VIBLK

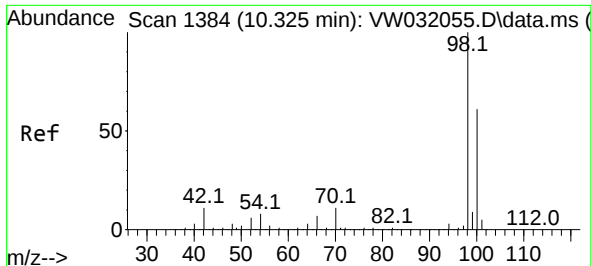
Tgt Ion: 75 Resp: 15217
 Ion Ratio Lower Upper
 75 100
 110 9.3 17.4 52.2#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.133 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.128 min
 Lab File: VW032058.D
 Acq: 11 Aug 2025 11:30

Tgt Ion: 117 Resp: 19452
 Ion Ratio Lower Upper
 117 100
 119 7.3 71.4 107.2#
 121 0.0 22.3 33.5#

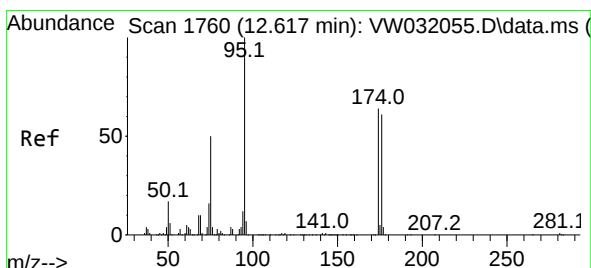
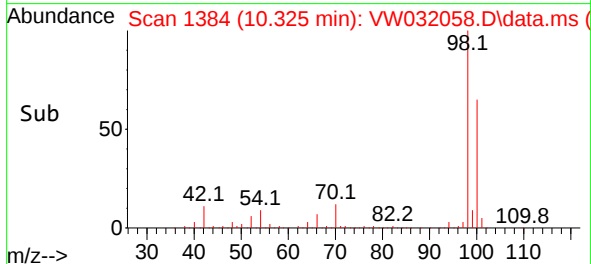
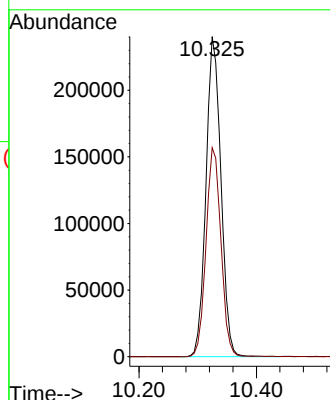
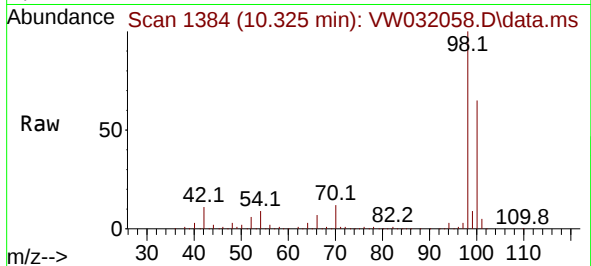




#50
Toluene-d8
Concen: 49.250 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

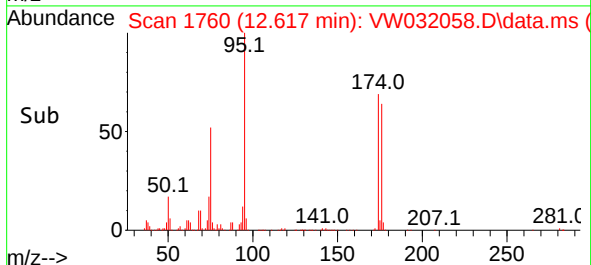
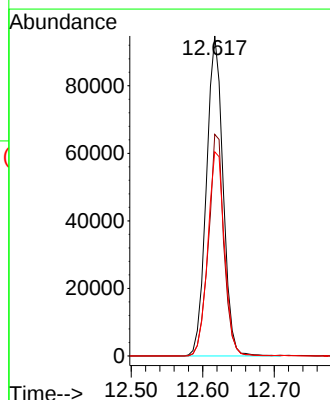
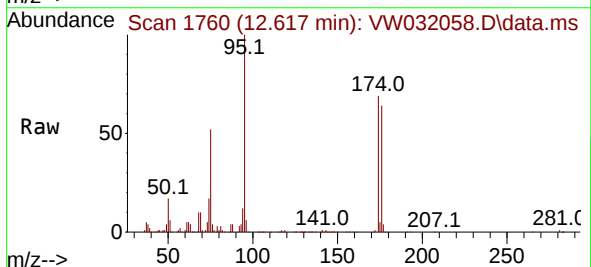
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

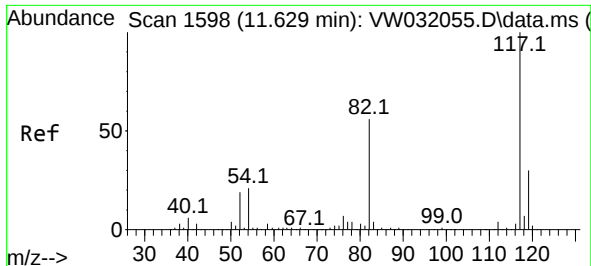
Tgt Ion: 98 Resp: 424673
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.123 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 95 Resp: 152918
Ion Ratio Lower Upper
95 100
174 64.7 0.0 129.0
176 64.3 0.0 124.6

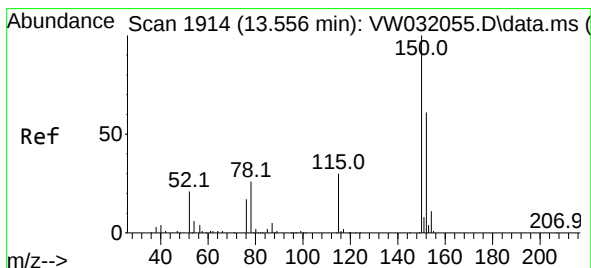
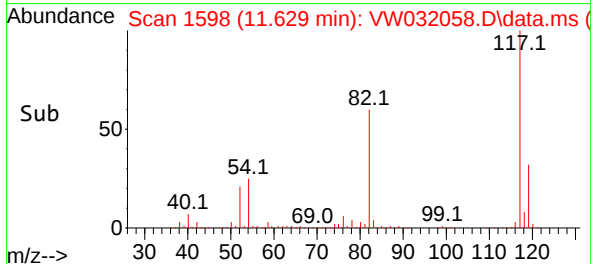
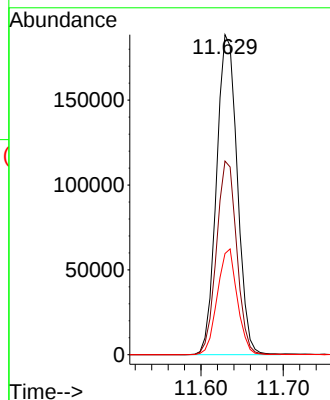
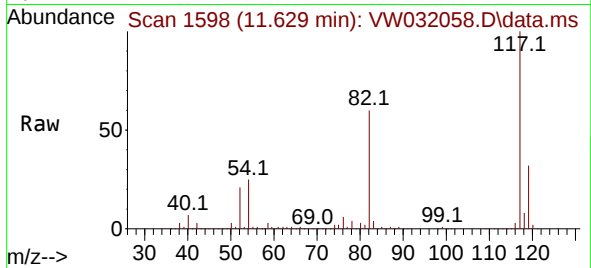




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

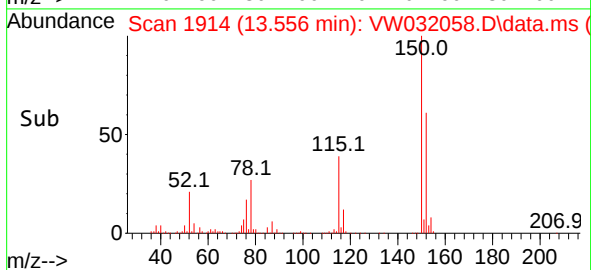
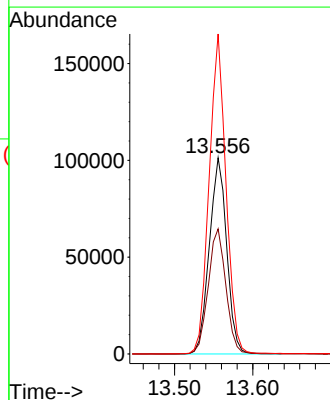
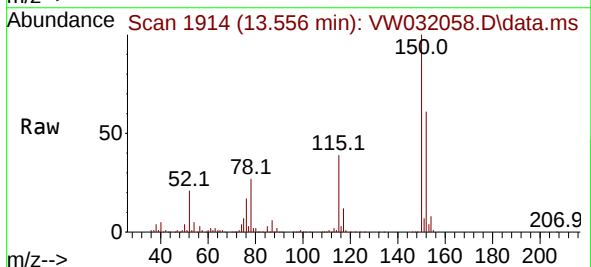
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

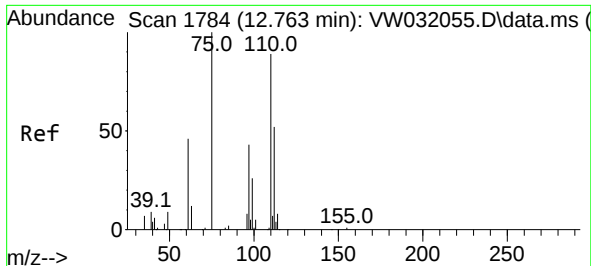
Tgt Ion:117 Resp: 330434
Ion Ratio Lower Upper
117 100
82 60.5 45.0 67.4
119 31.6 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion:152 Resp: 156308
Ion Ratio Lower Upper
152 100
115 64.9 32.6 97.8
150 157.8 0.0 359.4

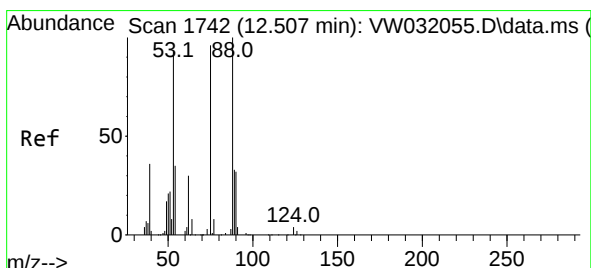
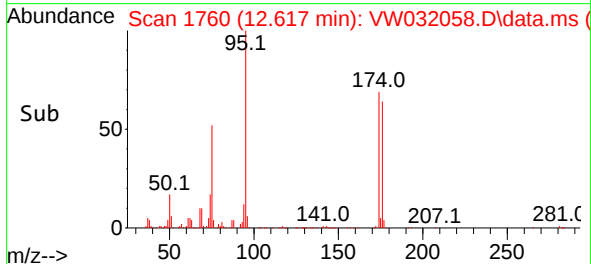
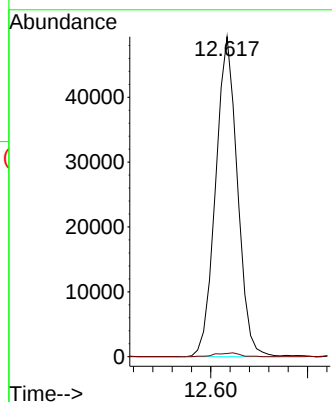
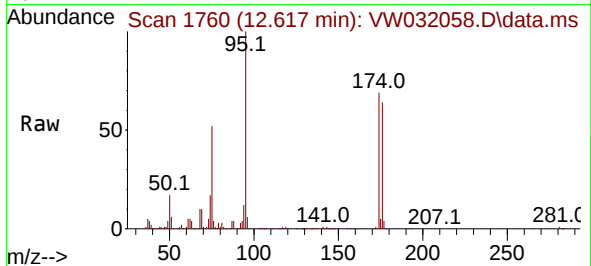




#76
1,2,3-Trichloropropane
Concen: 36.360 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 77136
Ion Ratio Lower Upper
75 100
77 1.4 123.5 370.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.132 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032058.D
Acq: 11 Aug 2025 11:30

Tgt Ion: 75 Resp: 77136
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.6#
89 0.0 37.3 55.9#

