

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032465.D
 Acq On : 17 Nov 2025 17:51
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 18 03:08:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

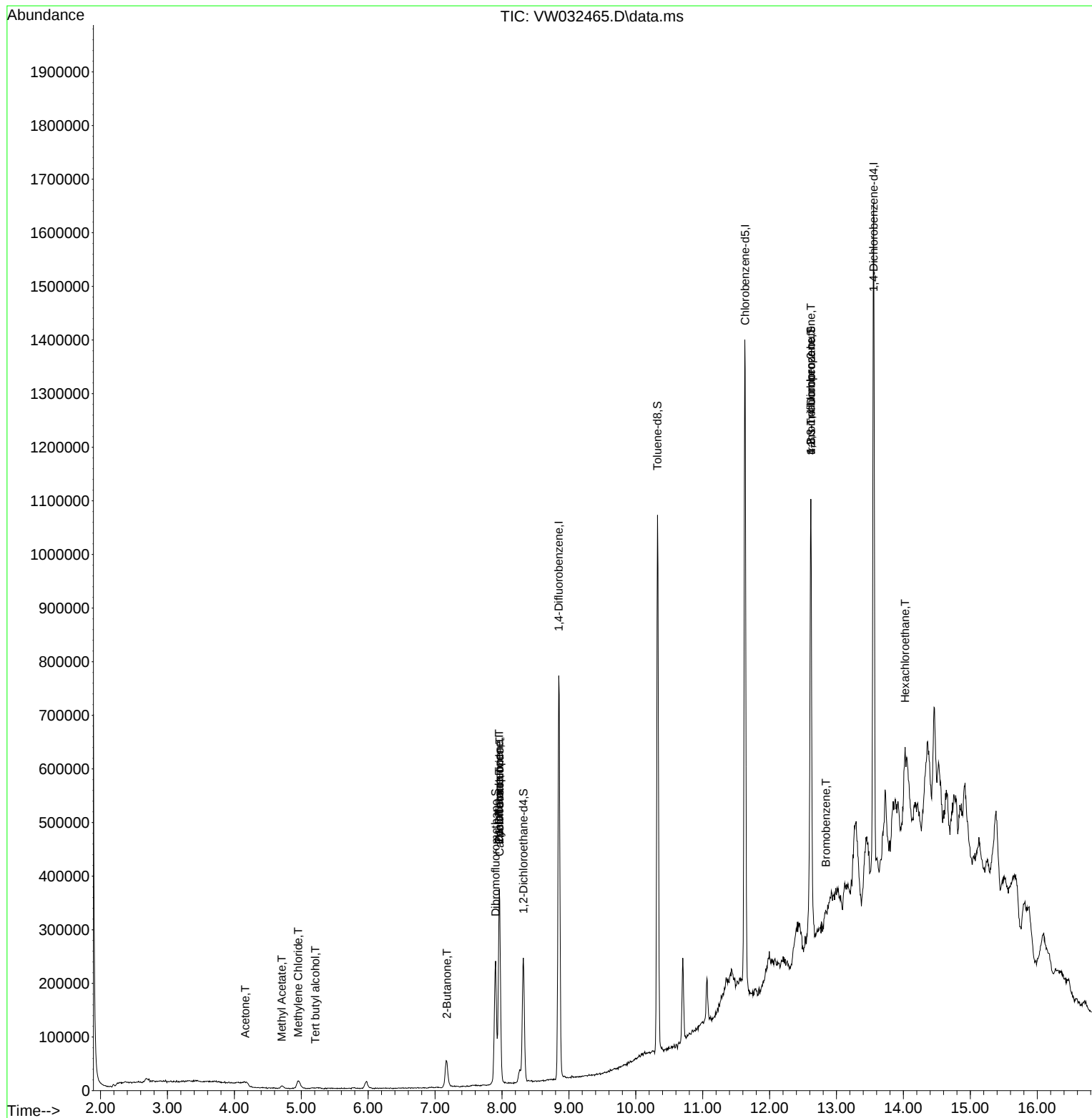
Internal Standards						
1) Pentafluorobenzene	7.959	168	248234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	634362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	661578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	318268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	185548	57.978	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.960%
35) Dibromofluoromethane	7.904	113	168335	44.321	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.640%
50) Toluene-d8	10.325	98	663260	45.520	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.617	95	287476	52.228	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.460%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.210	59	397	1.435	ug/l	# 72
16) Acetone	4.161	43	3257	3.402	ug/l	94
18) Methyl Acetate	4.710	43	10146	4.279	ug/l	100
20) Methylene Chloride	4.954	84	13446	3.927	ug/l	95
25) 2-Butanone	7.179	43	2719	1.928	ug/l	# 76
31) Cyclohexane	7.959	56	5952	1.124	ug/l	# 1
36) 1,1-Dichloropropene	7.959	75	22654	4.048	ug/l	# 52
38) Carbon Tetrachloride	7.965	117	28240	5.679	ug/l	# 15
76) 1,2,3-Trichloropropane	12.617	75	137943	31.609	ug/l	# 1
77) Bromobenzene	12.842	156	30042	5.428	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.617	75	137943	72.400	ug/l	# 12
90) Hexachloroethane	14.025	117	7194	1.934	ug/l	# 27

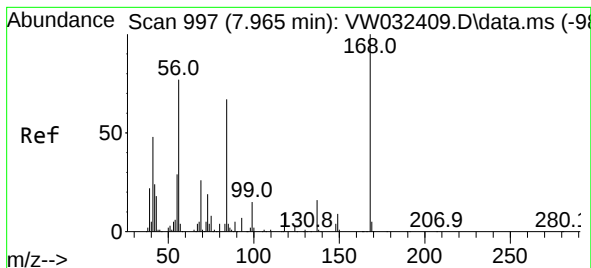
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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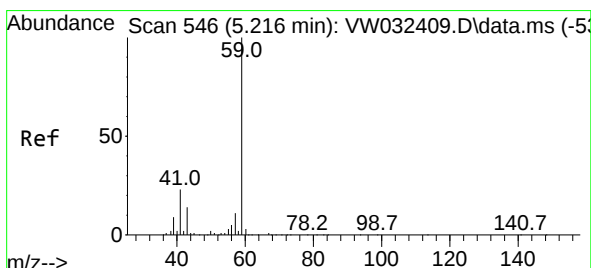
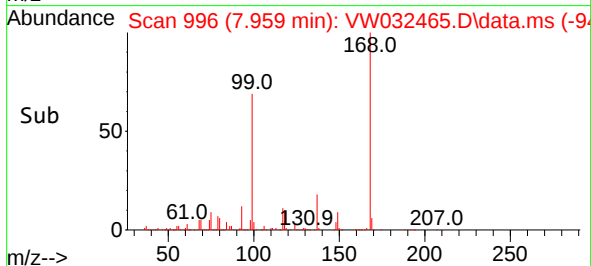
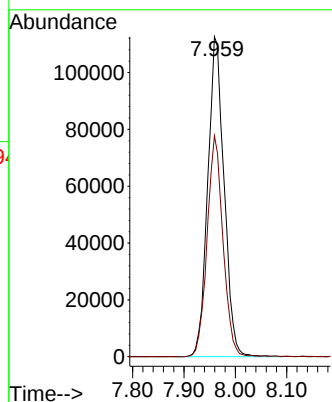
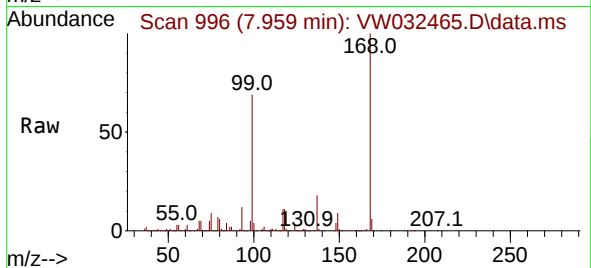




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

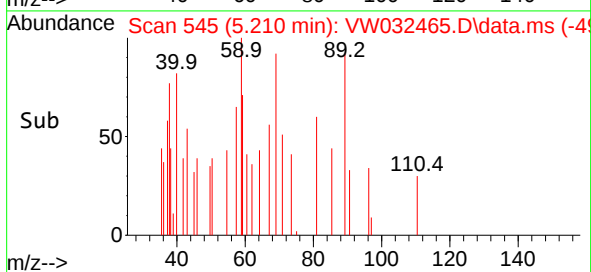
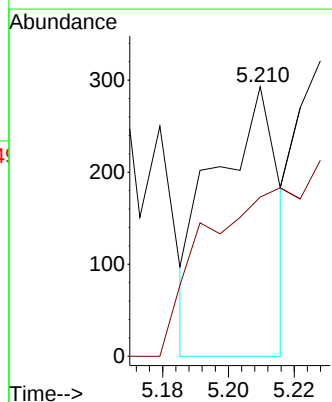
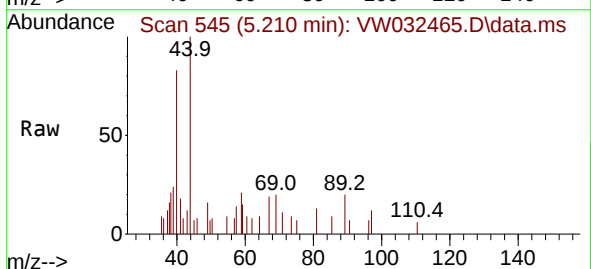
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

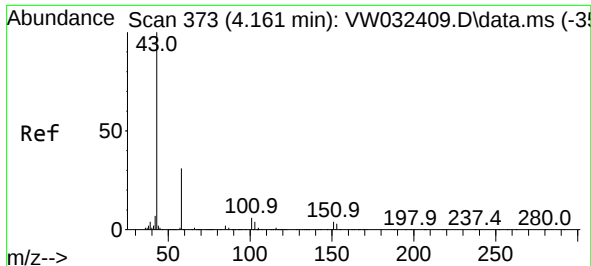
Tgt Ion:168 Resp: 248234
Ion Ratio Lower Upper
168 100
99 69.0 45.4 68.2#



#11
Tert butyl alcohol
Concen: 1.435 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 59 Resp: 397
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

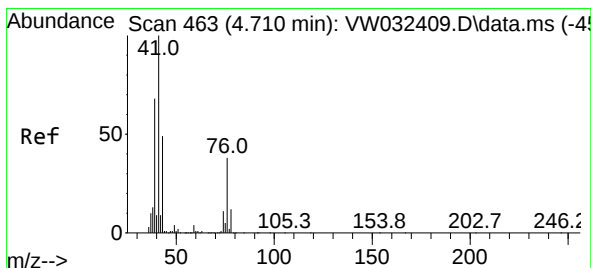
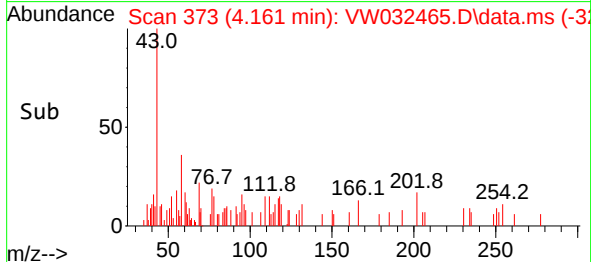
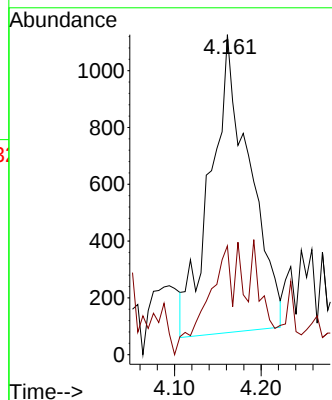
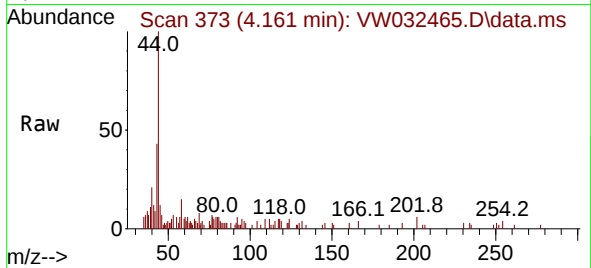




#16
Acetone
Concen: 3.402 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

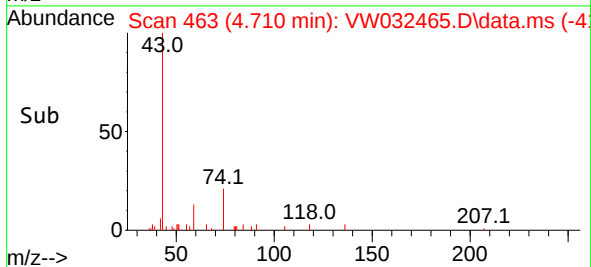
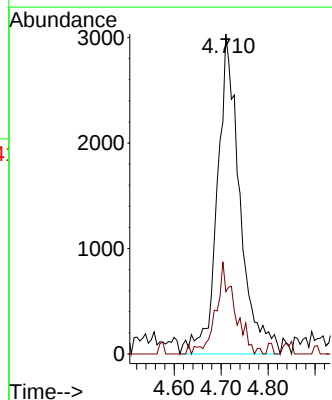
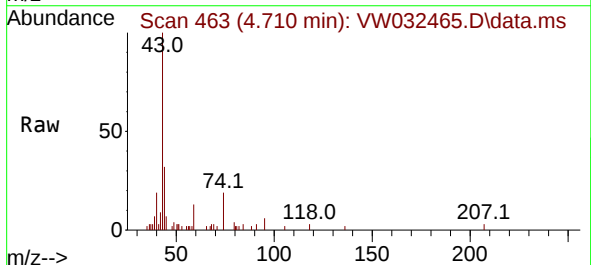
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

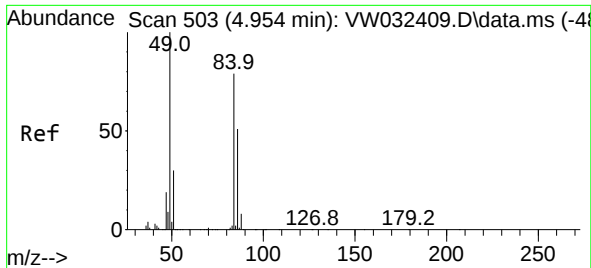
Tgt Ion: 43 Resp: 3257
Ion Ratio Lower Upper
43 100
58 34.1 24.8 37.2



#18
Methyl Acetate
Concen: 4.279 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 43 Resp: 10146
Ion Ratio Lower Upper
43 100
74 23.5 18.9 28.3

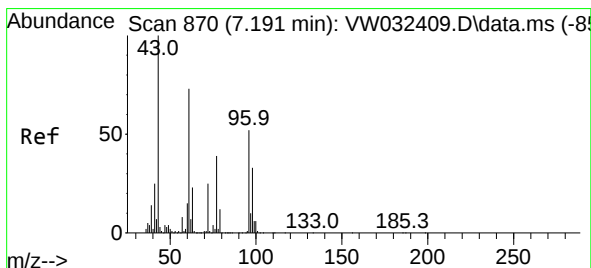
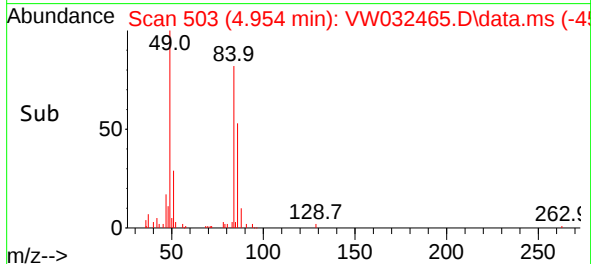
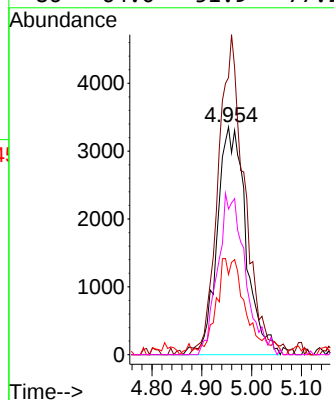
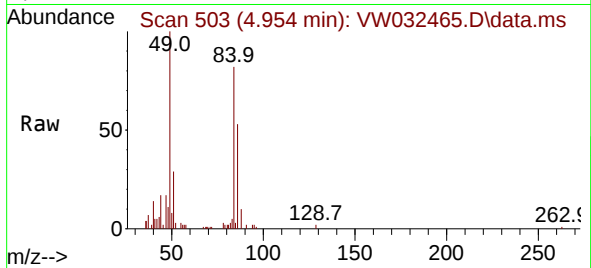




#20
Methylene Chloride
Concen: 3.927 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

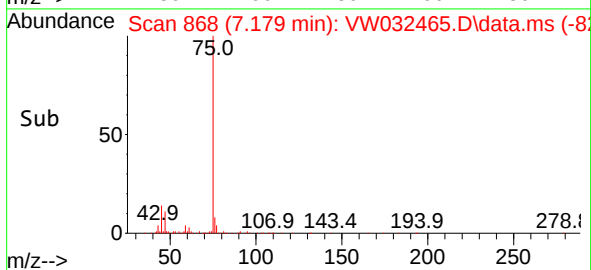
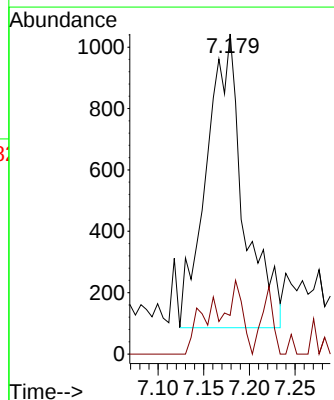
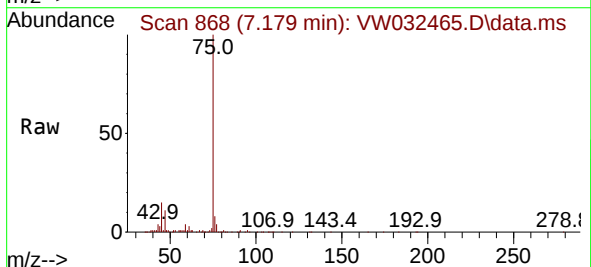
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

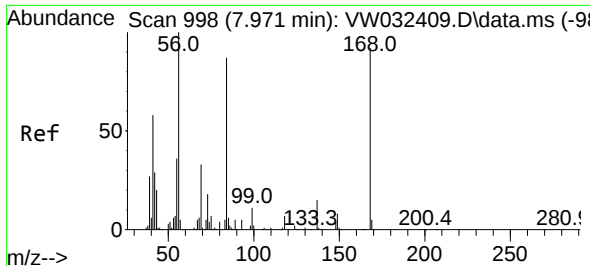
Tgt Ion:	84	Resp:	13446
Ion	Ratio	Lower	Upper
84	100		
49	119.9	101.5	152.3
51	35.2	30.6	46.0
86	64.0	51.9	77.9



#25
2-Butanone
Concen: 1.928 ug/l
RT: 7.179 min Scan# 868
Delta R.T. -0.012 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion:	43	Resp:	2719
Ion	Ratio	Lower	Upper
43	100		
72	13.2	20.0	30.0

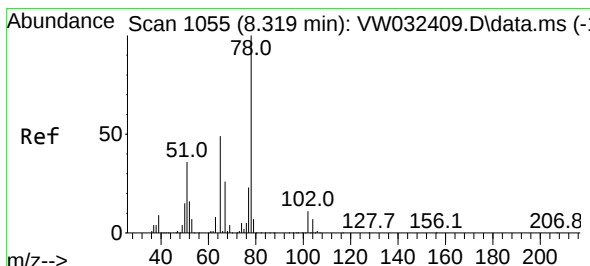
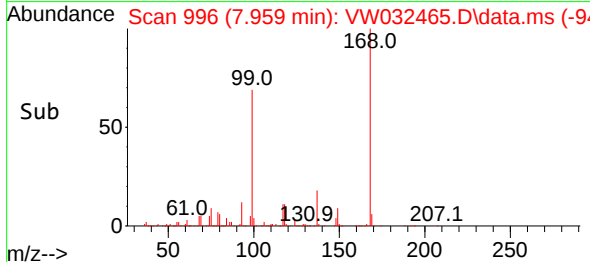
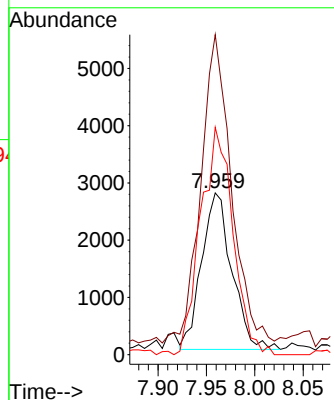
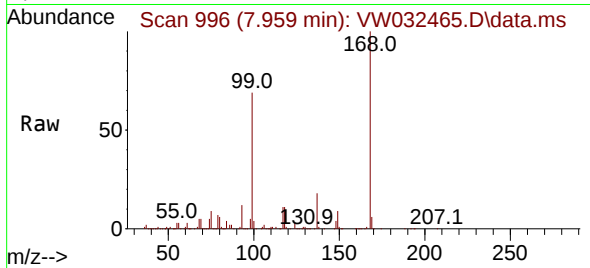




#31
Cyclohexane
Concen: 1.124 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

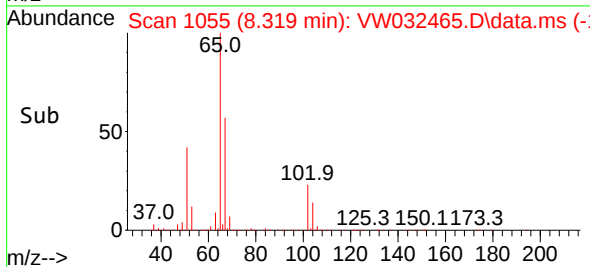
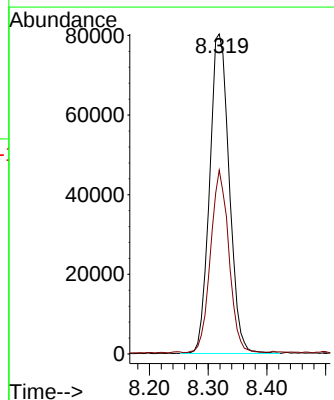
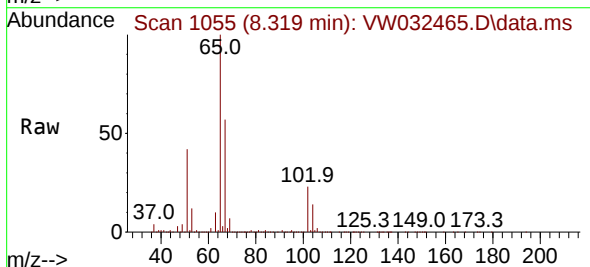
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

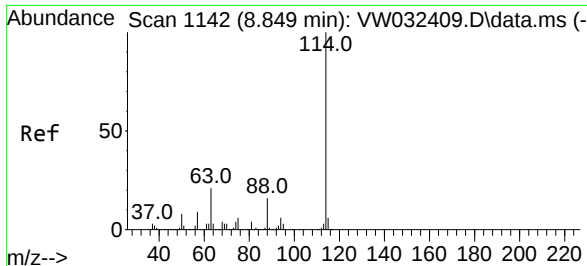
Tgt Ion: 56 Resp: 5952
Ion Ratio Lower Upper
56 100
69 193.5 26.5 39.7#
84 145.2 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 57.978 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 65 Resp: 185548
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

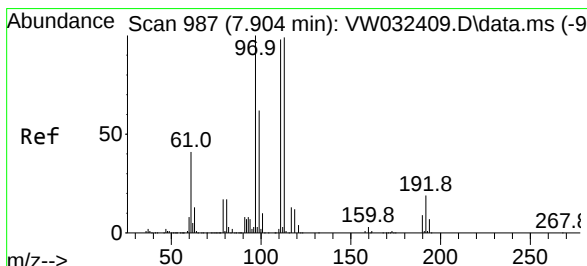
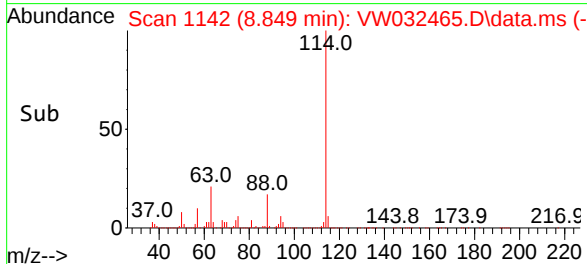
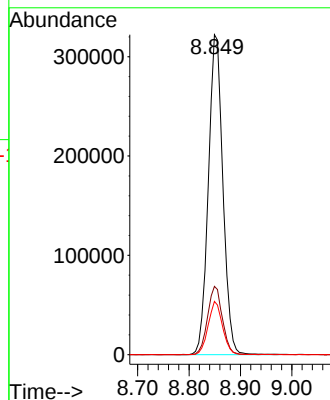
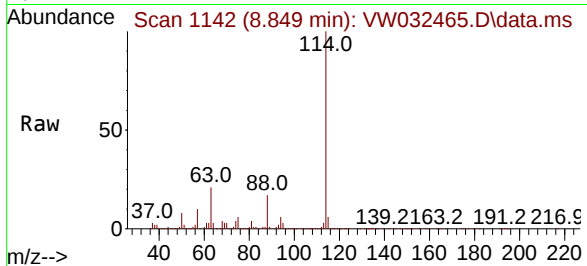




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

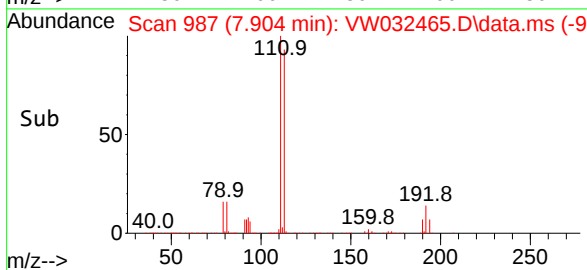
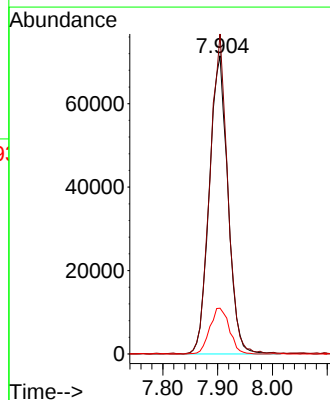
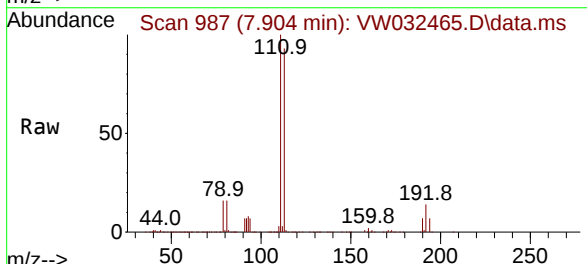
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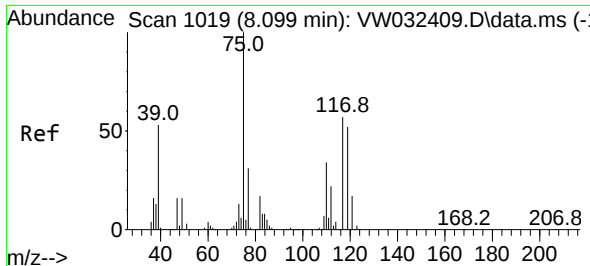
Tgt Ion:114 Resp: 634362
Ion Ratio Lower Upper
114 100
63 21.3 0.0 41.8
88 16.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 44.321 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion:113 Resp: 168335
Ion Ratio Lower Upper
113 100
111 102.6 83.1 124.7
192 16.1 13.4 20.2

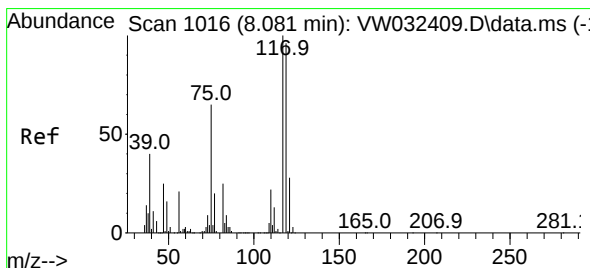
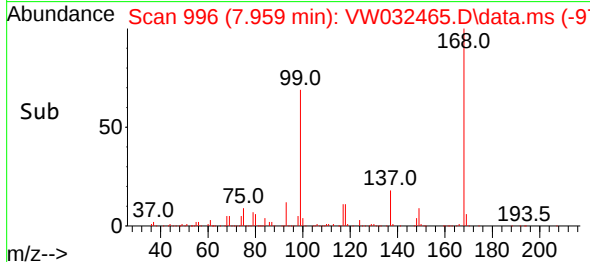
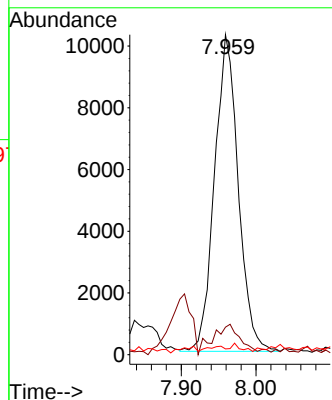
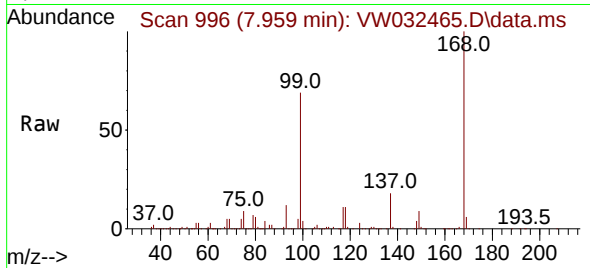




#36
 1,1-Dichloropropene
 Concen: 4.048 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032465.D
 Acq: 17 Nov 2025 17:51

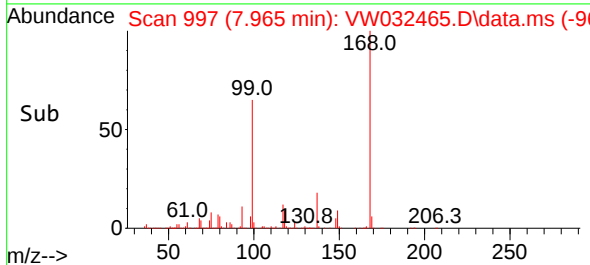
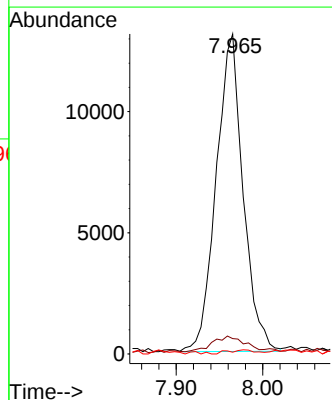
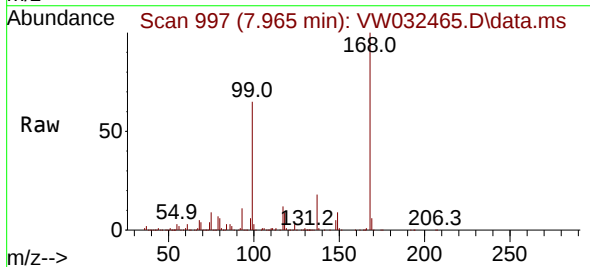
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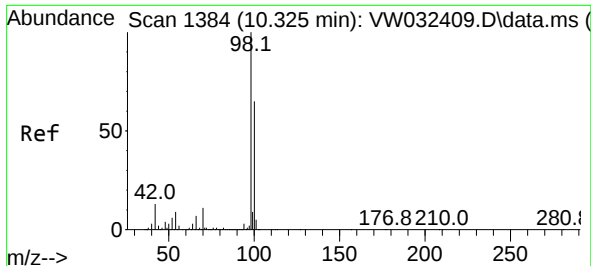
Tgt Ion: 75 Resp: 22654
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.2 51.5#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.679 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW032465.D
 Acq: 17 Nov 2025 17:51

Tgt Ion: 117 Resp: 28240
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.0 115.4#
 121 0.0 22.0 33.0#

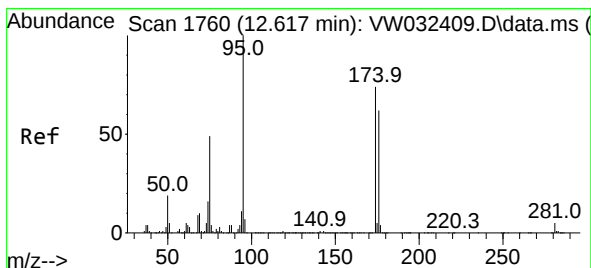
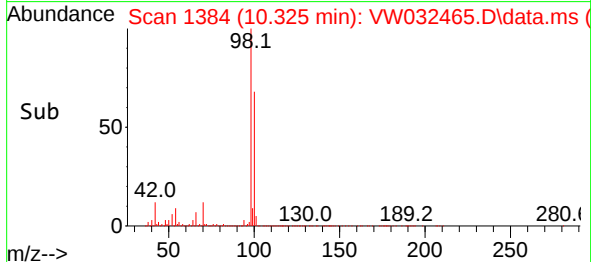
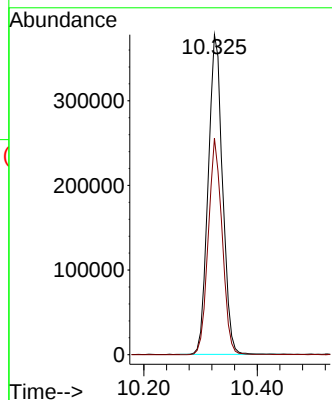
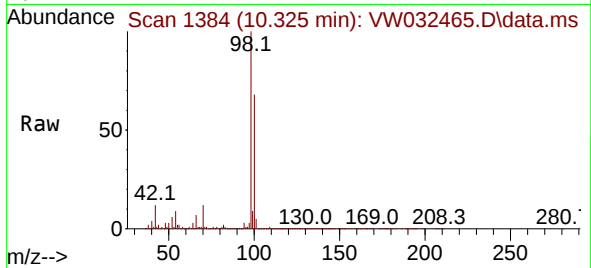




#50
Toluene-d8
Concen: 45.520 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

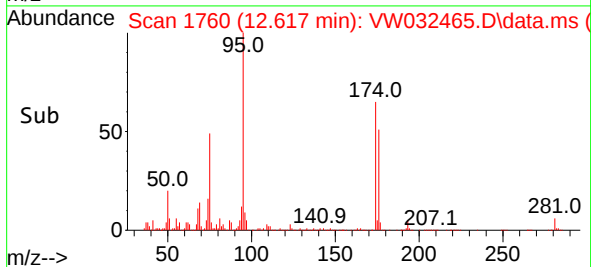
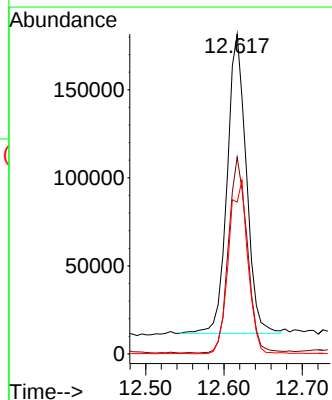
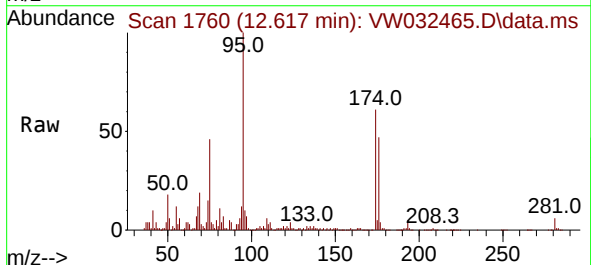
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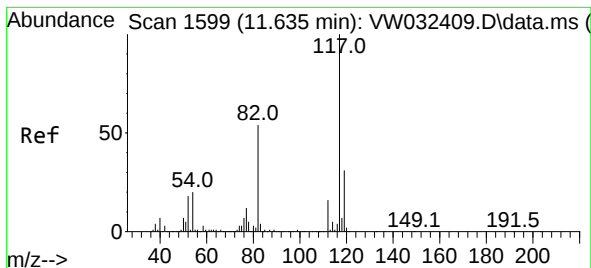
Tgt Ion: 98 Resp: 663260
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.228 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 95 Resp: 287476
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.4
176 58.5 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW032465.D

Acq: 17 Nov 2025 17:51

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

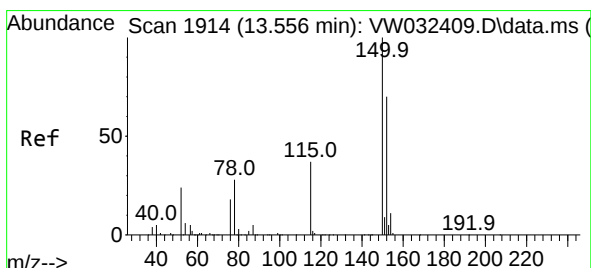
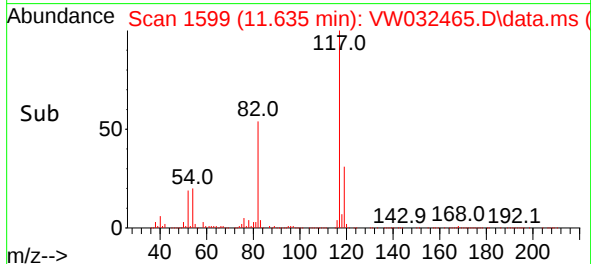
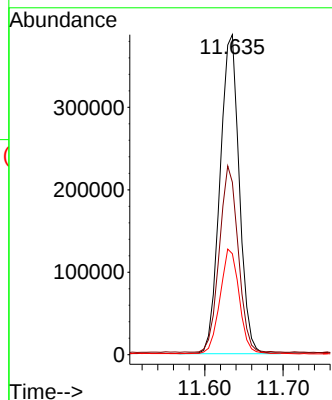
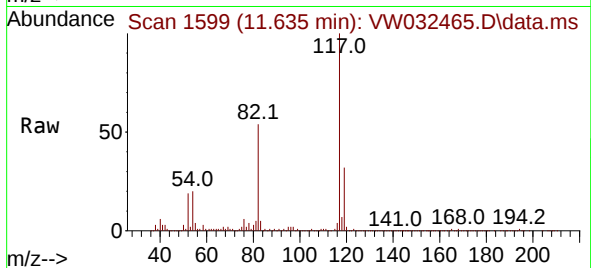
Tgt Ion:117 Resp: 661578

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.2 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032465.D

Acq: 17 Nov 2025 17:51

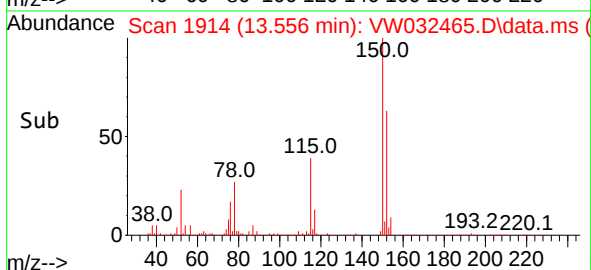
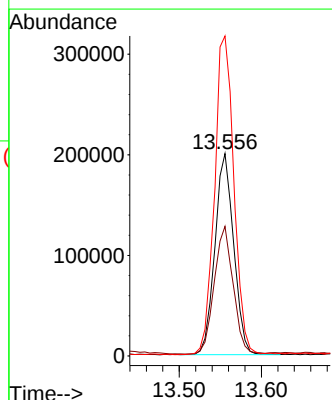
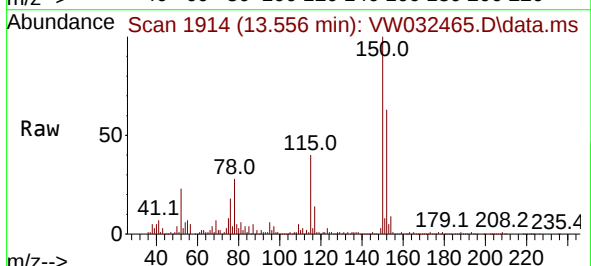
Tgt Ion:152 Resp: 318268

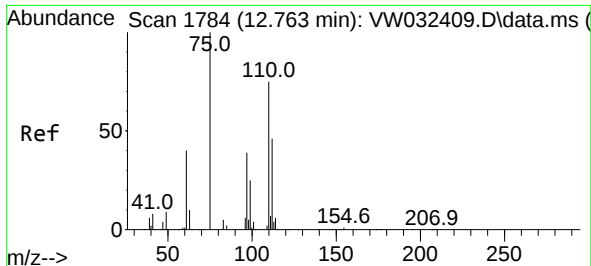
Ion Ratio Lower Upper

152 100

115 63.8 32.8 98.3

150 163.2 0.0 356.6

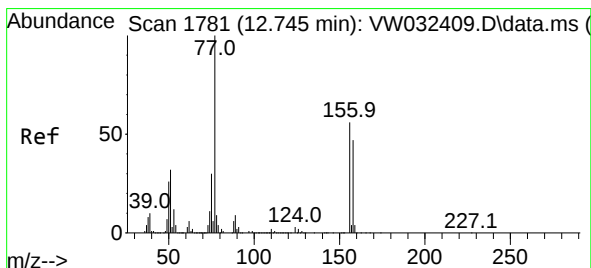
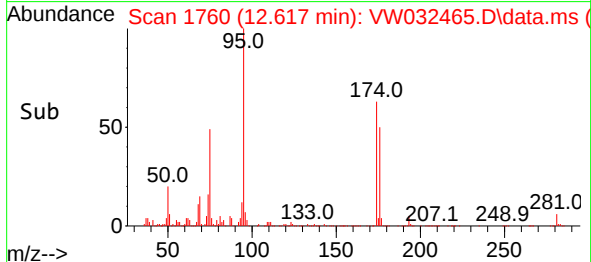
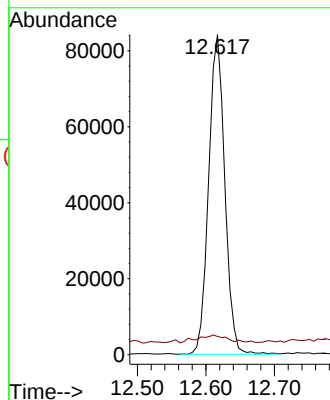
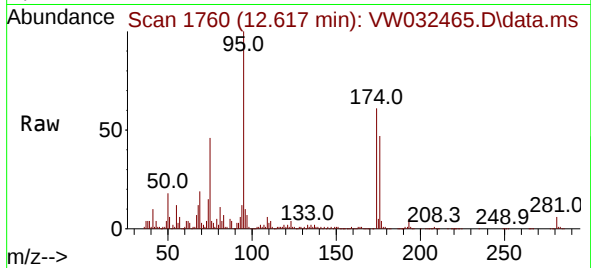




#76
1,2,3-Trichloropropane
Concen: 31.609 ug/l
RT: 12.617 min Scan# 1797
Delta R.T. -0.146 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

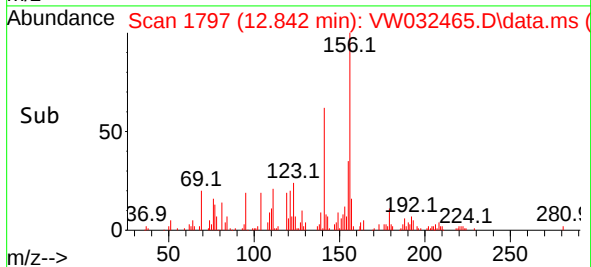
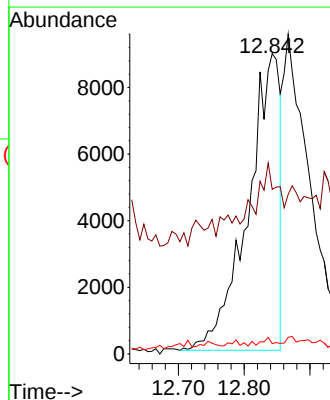
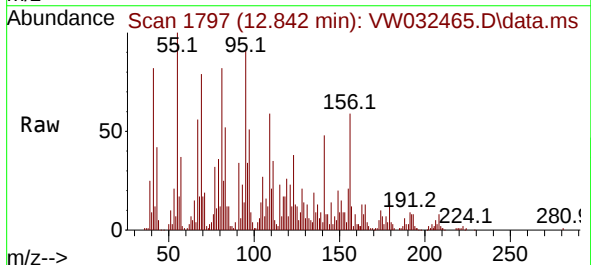
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

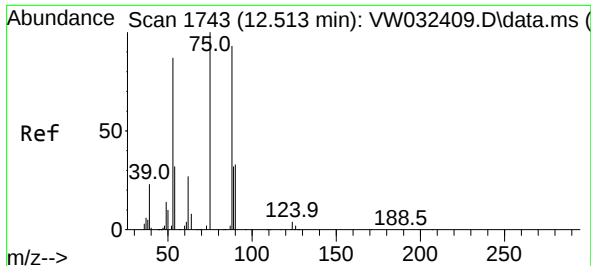
Tgt Ion: 75 Resp: 137943
Ion Ratio Lower Upper
75 100
77 4.7 151.6 454.8#



#77
Bromobenzene
Concen: 5.428 ug/l
RT: 12.842 min Scan# 1797
Delta R.T. 0.098 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion:156 Resp: 30042
Ion Ratio Lower Upper
156 100
77 11.7 108.0 324.0#
158 0.7 45.1 135.5#

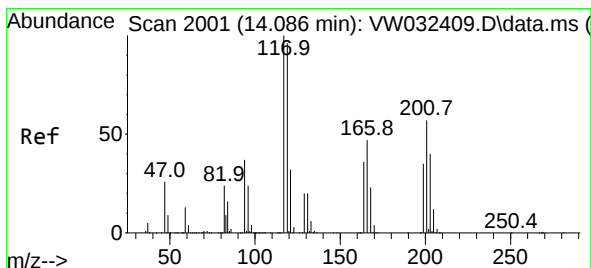
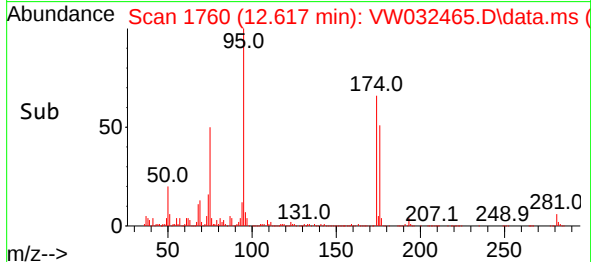
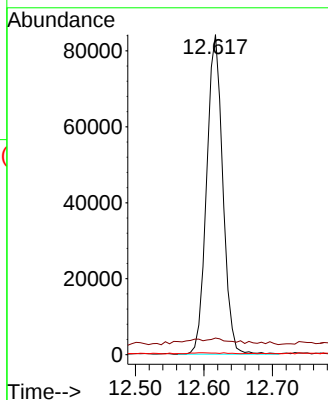
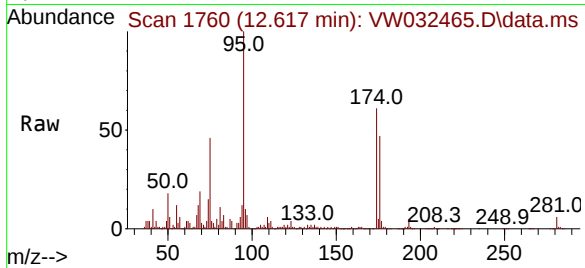




#81
trans-1,4-Dichloro-2-butene
Concen: 72.400 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 137943
Ion Ratio Lower Upper
75 100
53 2.1 77.8 116.8#
89 0.0 35.6 53.4#



#90
Hexachloroethane
Concen: 1.934 ug/l
RT: 14.025 min Scan# 1991
Delta R.T. -0.061 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 117 Resp: 7194
Ion Ratio Lower Upper
117 100
201 6.7 32.0 96.0#

