

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032434.D
 Acq On : 11 Nov 2025 16:27
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 12 03:52:04 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)

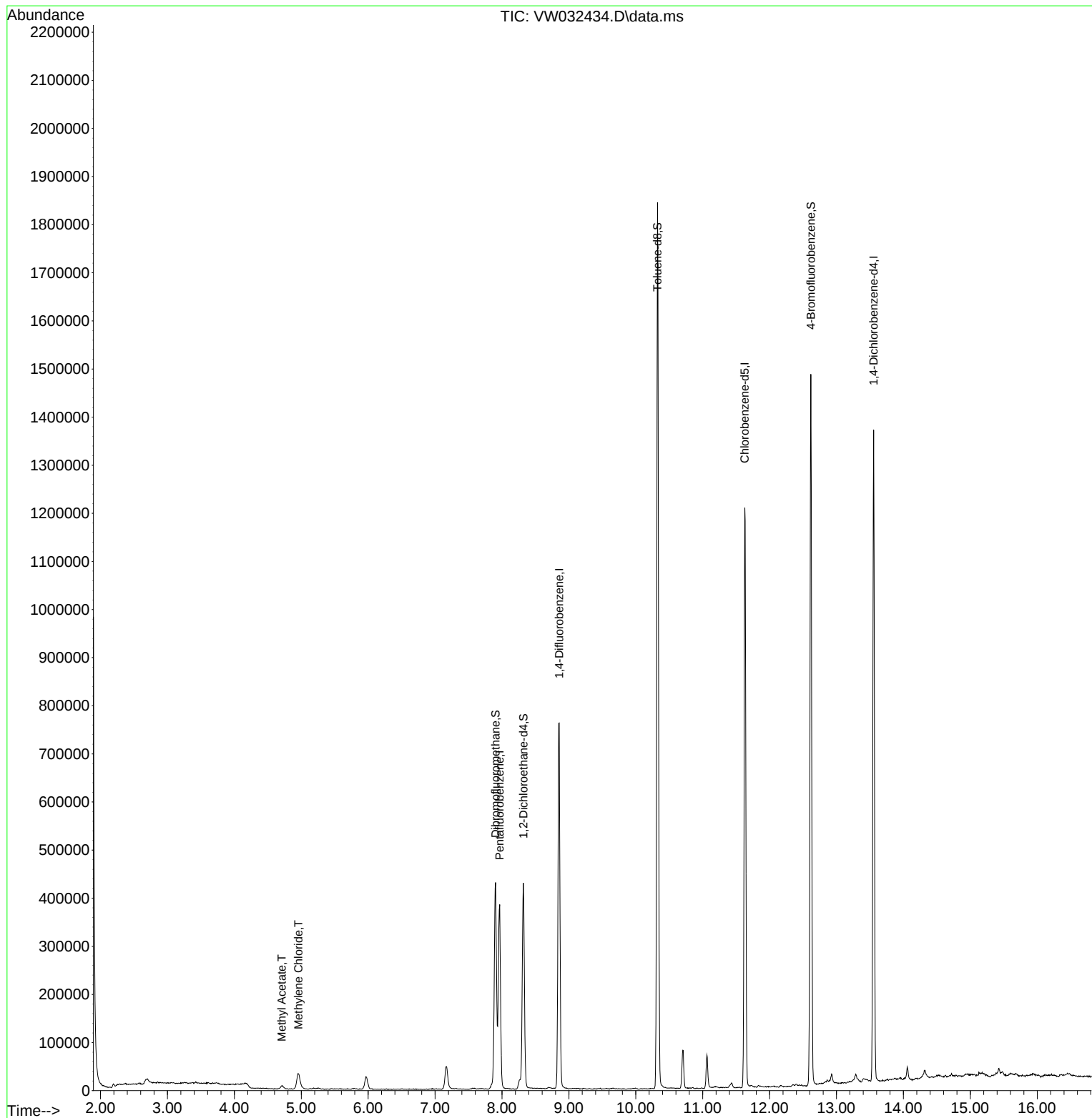
Internal Standards						
1) Pentafluorobenzene	7.965	168	271437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	658332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	678004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	349743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	342930	97.995	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 195.980%#	
35) Dibromofluoromethane	7.904	113	319522	81.064	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 162.120%#	
50) Toluene-d8	10.325	98	1194107	78.969	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 157.940%#	
62) 4-Bromofluorobenzene	12.617	95	548757	96.067	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 192.140%#	
Target Compounds						Qvalue
18) Methyl Acetate	4.710	43	14003	5.401	ug/l	99
20) Methylene Chloride	4.960	84	28309	7.561	ug/l	97

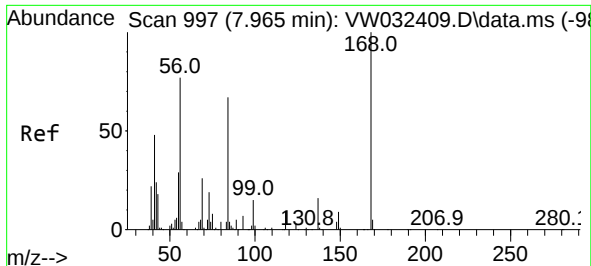
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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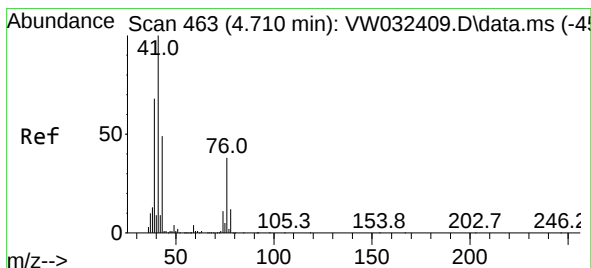
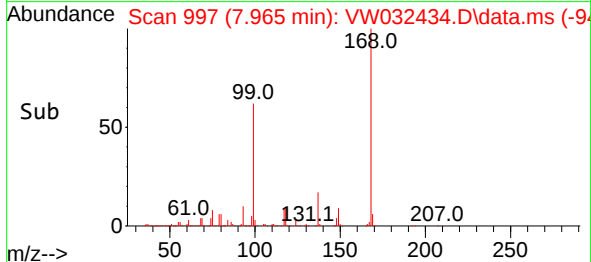
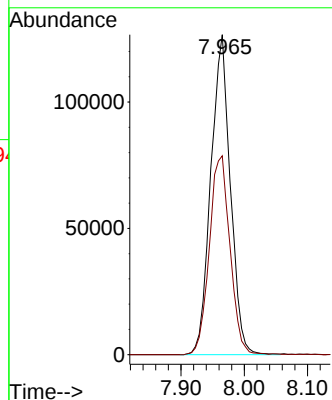
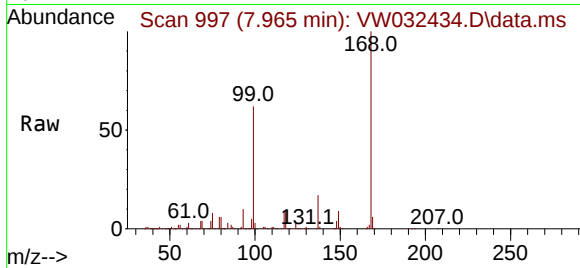




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

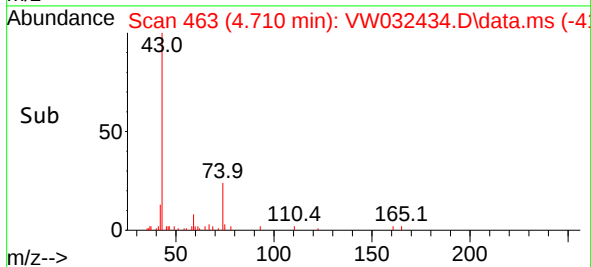
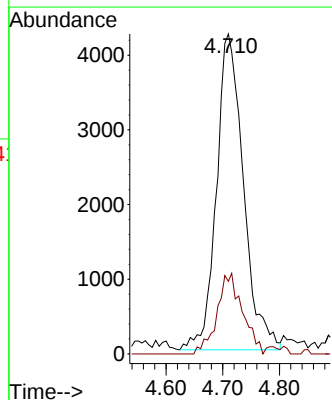
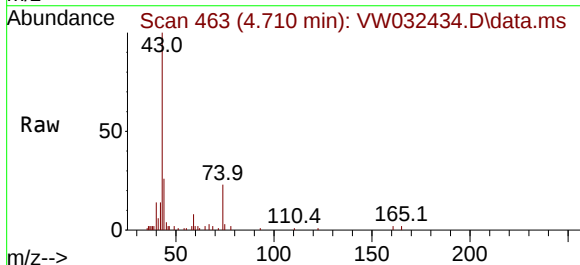
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

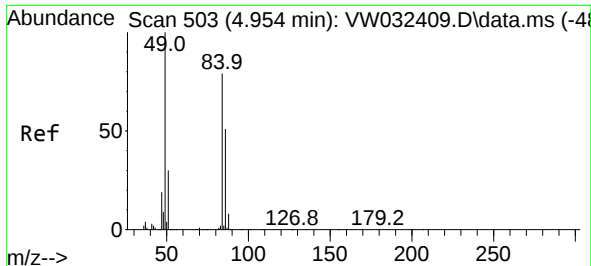
Tgt Ion:168 Resp: 271437
Ion Ratio Lower Upper
168 100
99 62.2 45.4 68.2



#18
Methyl Acetate
Concen: 5.401 ug/l
RT: 4.710 min Scan# 463
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion: 43 Resp: 14003
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3

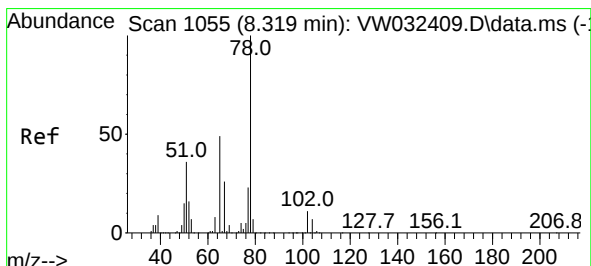
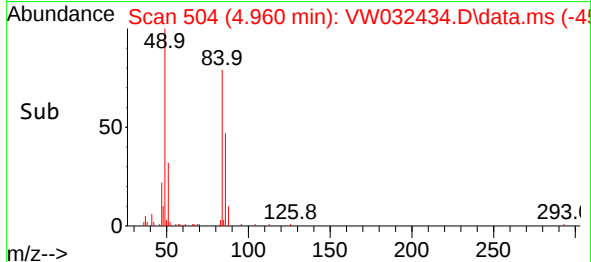
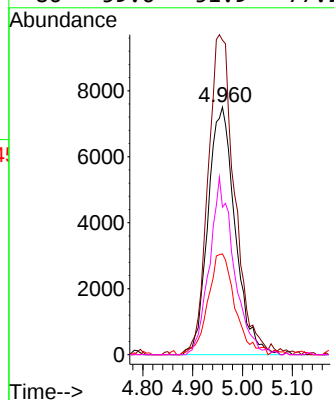
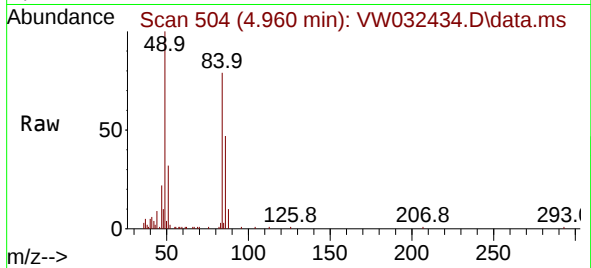




#20
Methylene Chloride
Concen: 7.561 ug/l
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

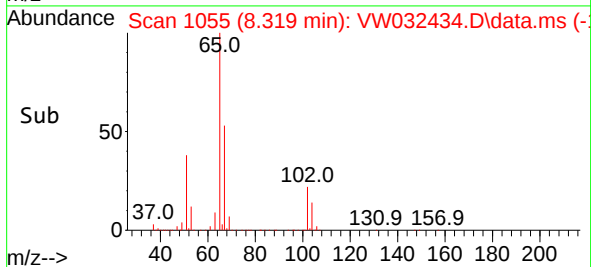
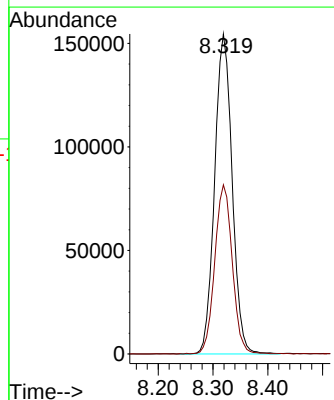
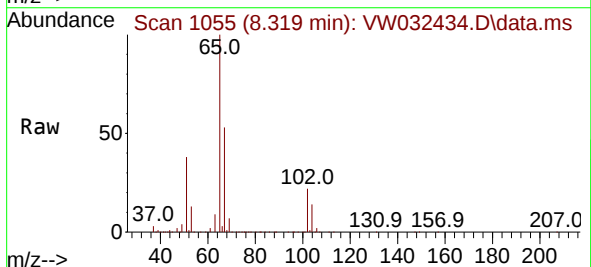
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

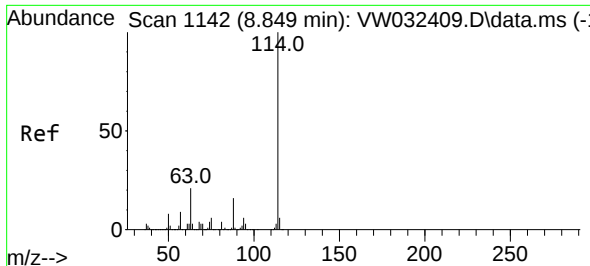
Tgt Ion:	84	Resp:	28309
Ion	Ratio	Lower	Upper
84	100		
49	127.1	101.5	152.3
51	40.7	30.6	46.0
86	59.6	51.9	77.9



#33
1,2-Dichloroethane-d4
Concen: 97.995 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion:	65	Resp:	342930
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.8

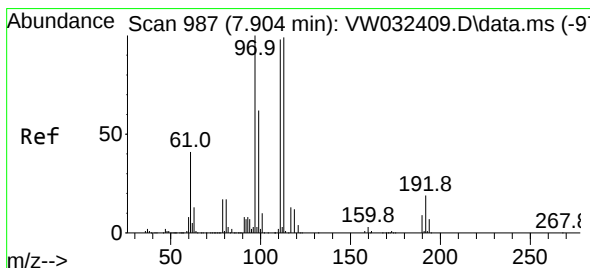
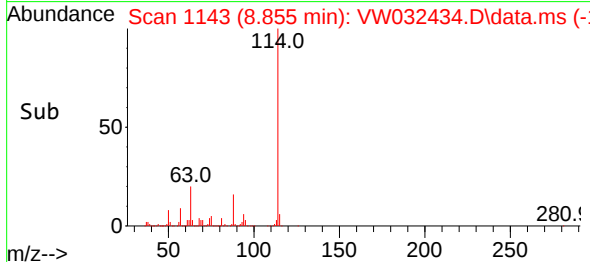
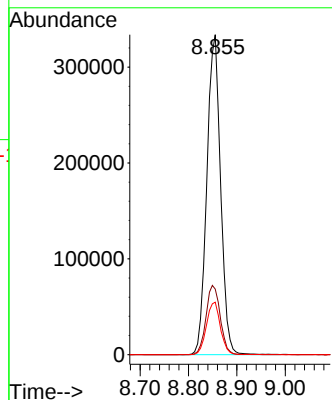
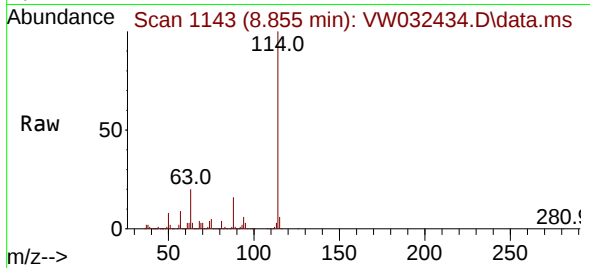




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

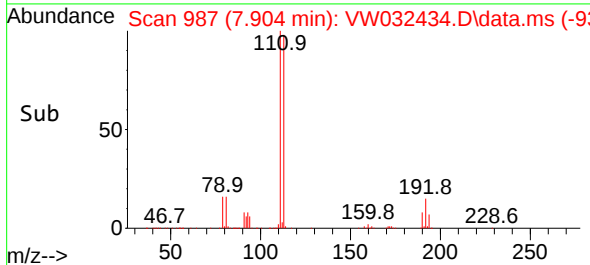
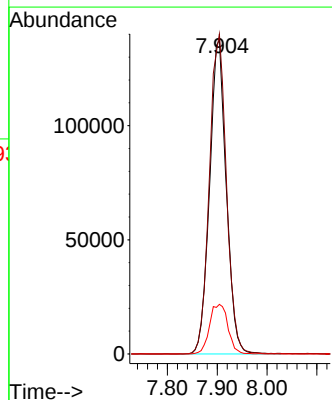
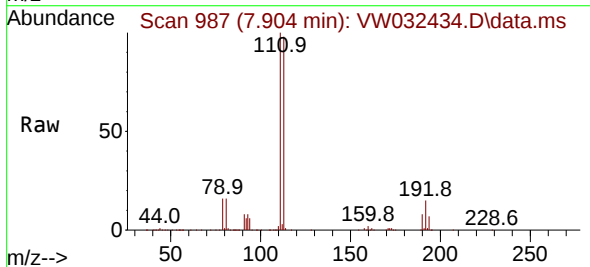
Instrument :
MSVOA_W
ClientSampleId :
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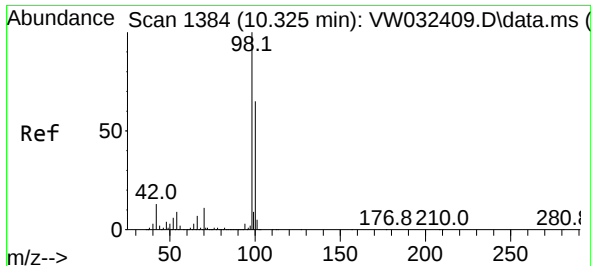
Tgt Ion:114 Resp: 658332
Ion Ratio Lower Upper
114 100
63 20.5 0.0 41.8
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 81.064 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion:113 Resp: 319522
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.4 13.4 20.2

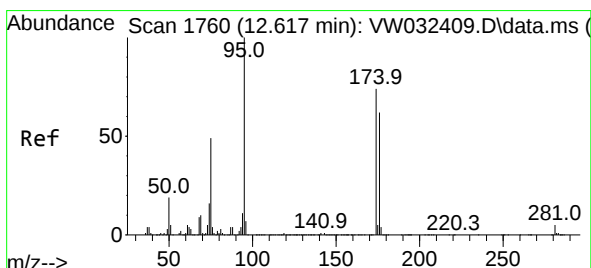
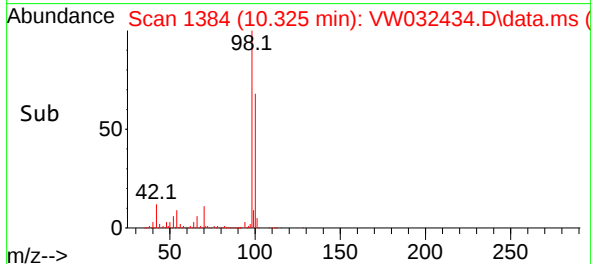
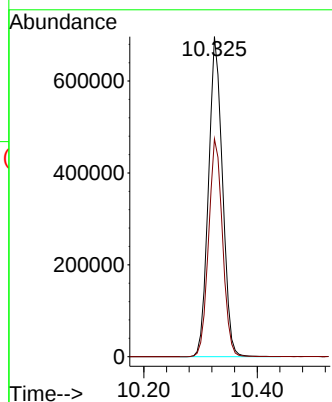
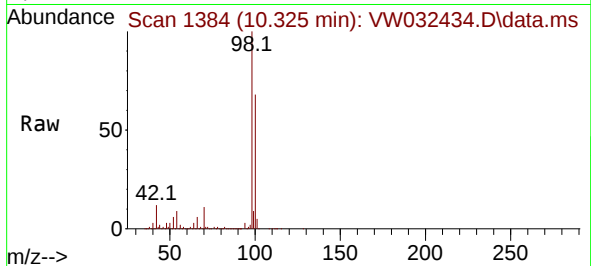




#50
Toluene-d8
Concen: 78.969 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

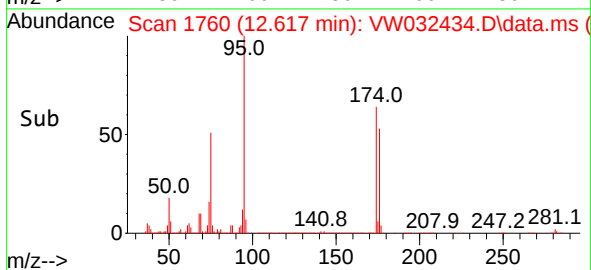
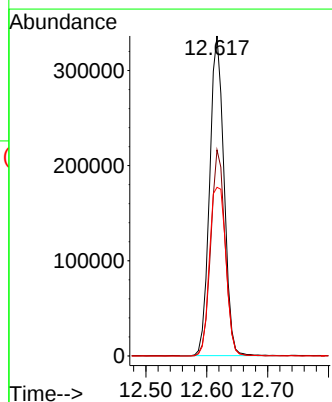
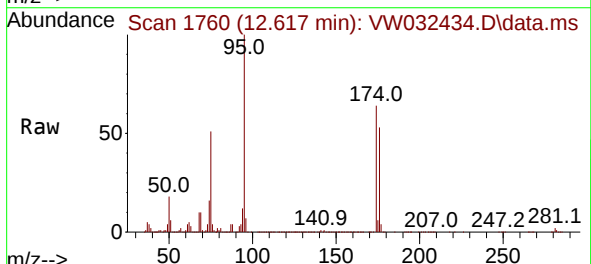
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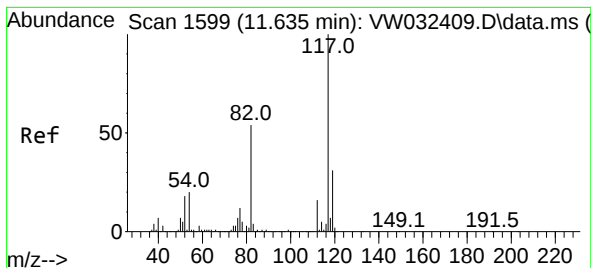
Tgt Ion: 98 Resp: 1194107
Ion Ratio Lower Upper
98 100
100 67.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 96.067 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032434.D
Acq: 11 Nov 2025 16:27

Tgt Ion: 95 Resp: 548757
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.4
176 60.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032434.D

Acq: 11 Nov 2025 16:27

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

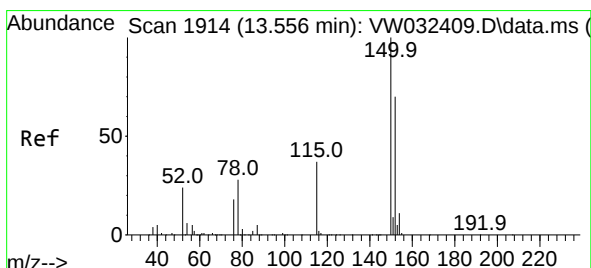
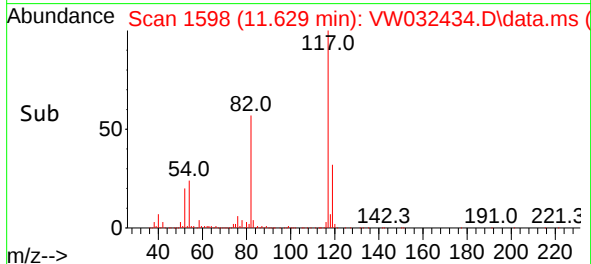
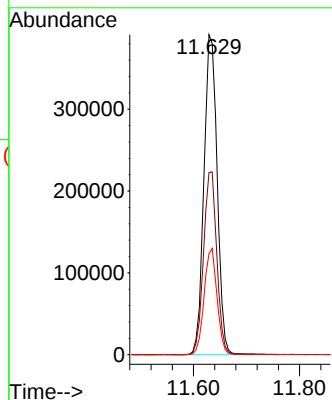
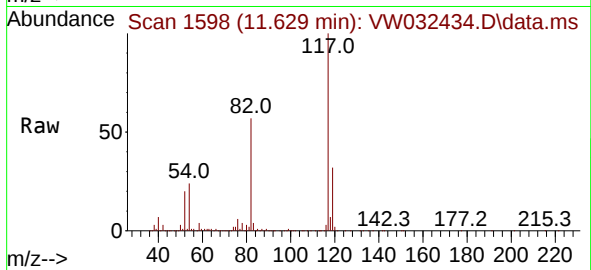
Tgt Ion:117 Resp: 678004

Ion Ratio Lower Upper

117 100

82 56.9 43.0 64.4

119 31.6 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: VW032434.D

Acq: 11 Nov 2025 16:27

Tgt Ion:152 Resp: 349743

Ion Ratio Lower Upper

152 100

115 63.4 32.8 98.3

150 157.8 0.0 356.6

