

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032202.D
 Acq On : 18 Sep 2025 16:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 19 04:35:55 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	7.965	168	135723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	300268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	315966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	155848	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114277	58.875	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.740%
35) Dibromofluoromethane	7.904	113	104363	49.540	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.080%
50) Toluene-d8	10.324	98	337215	45.598	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.200%
62) 4-Bromofluorobenzene	12.617	95	125996	46.073	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.140%

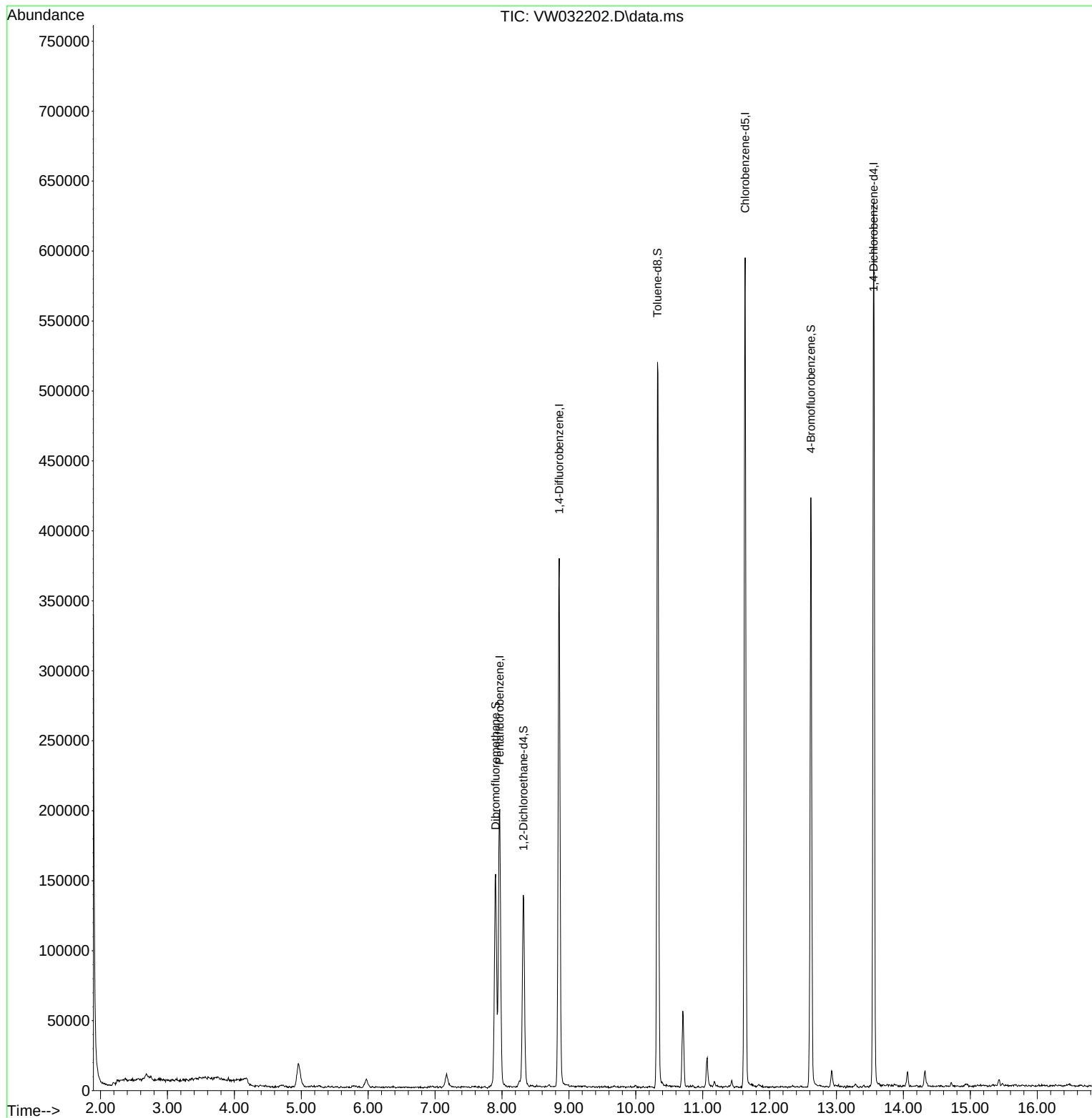
Target Compounds	Qvalue

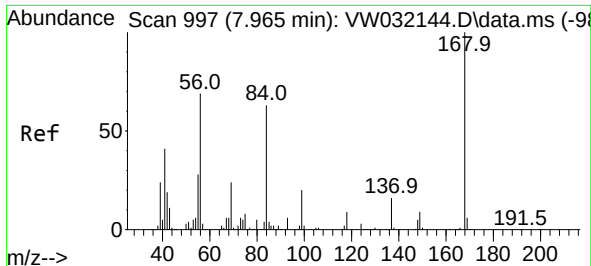
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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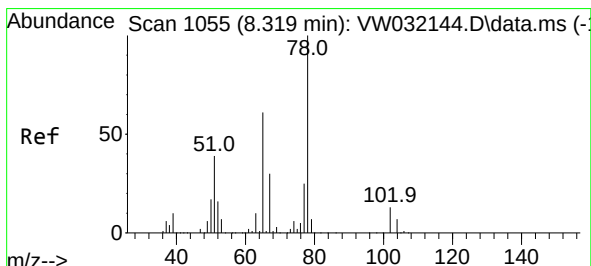
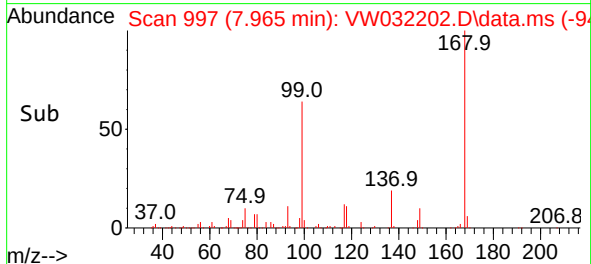
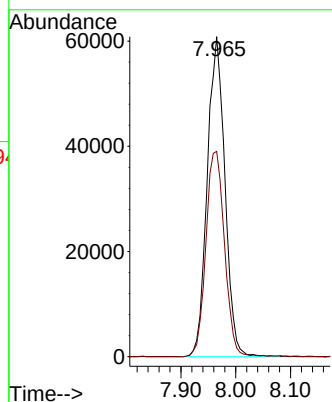
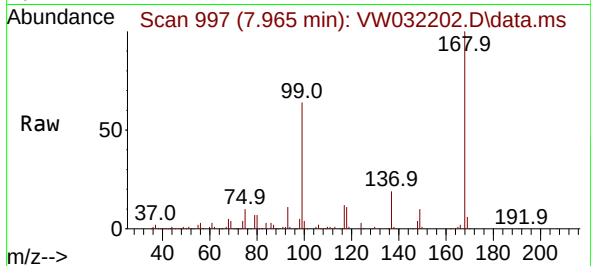




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

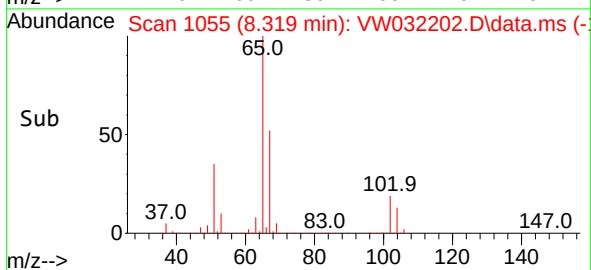
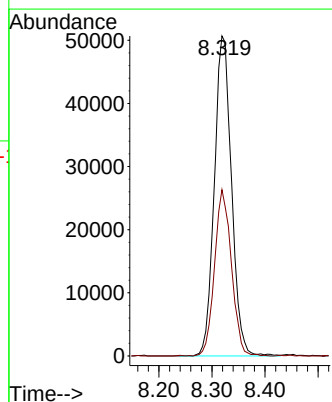
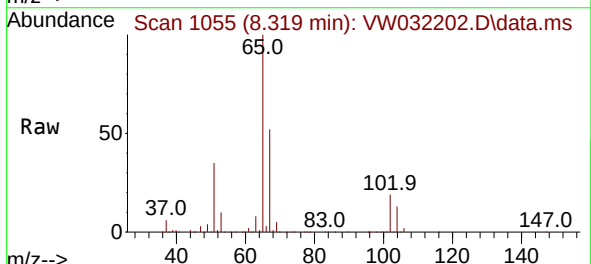
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

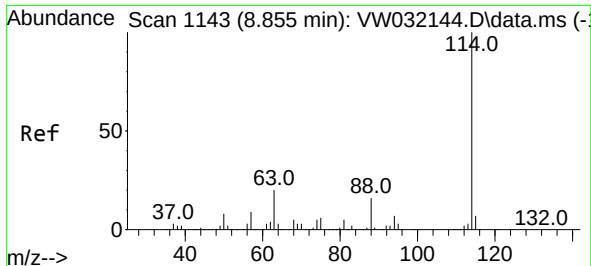
Tgt Ion:168 Resp: 135723
Ion Ratio Lower Upper
168 100
99 64.2 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 58.875 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 65 Resp: 114277
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032202.D

Acq: 18 Sep 2025 16:09

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

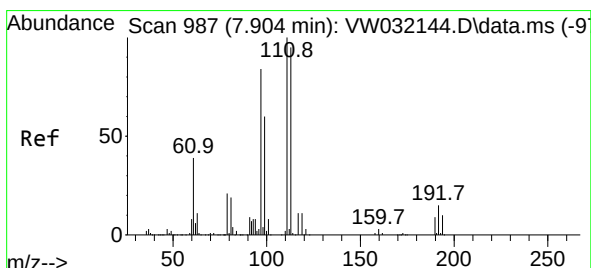
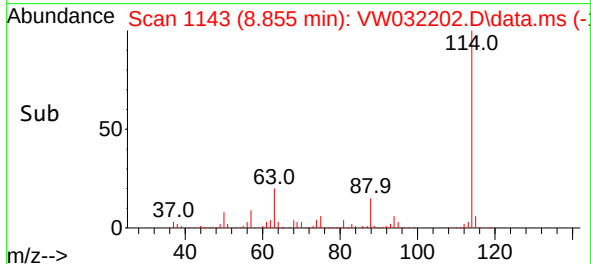
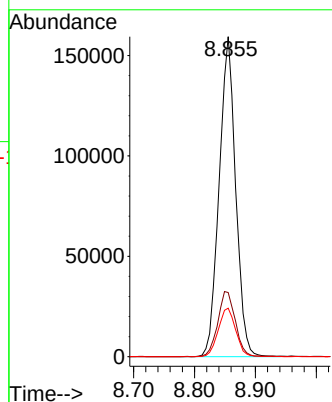
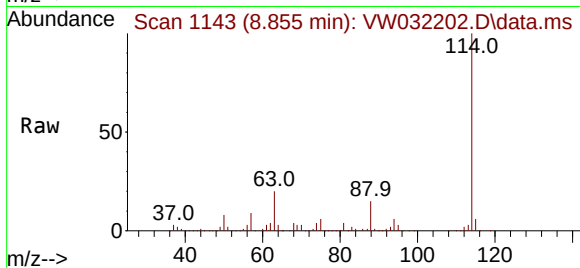
Tgt Ion:114 Resp: 300268

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 15.1 0.0 32.0



#35

Dibromofluoromethane

Concen: 49.540 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032202.D

Acq: 18 Sep 2025 16:09

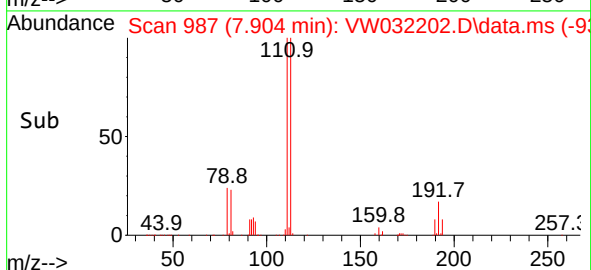
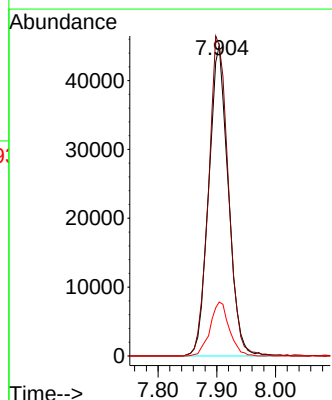
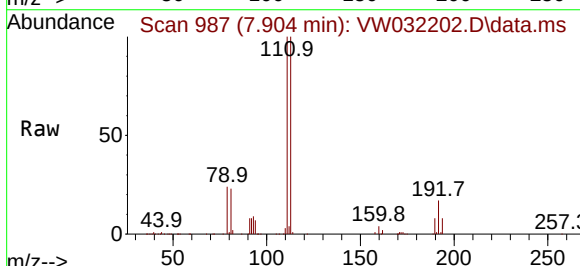
Tgt Ion:113 Resp: 104363

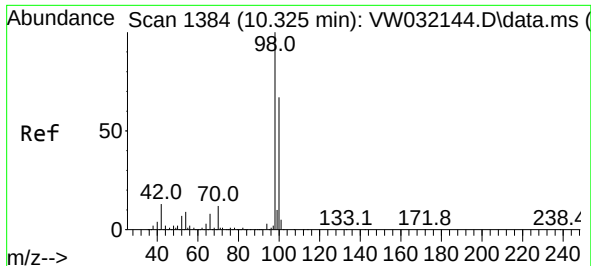
Ion Ratio Lower Upper

113 100

111 103.9 83.9 125.9

192 17.1 14.6 21.8

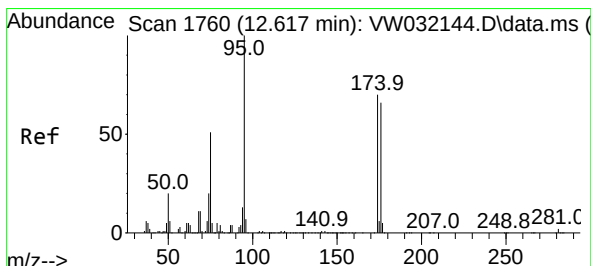
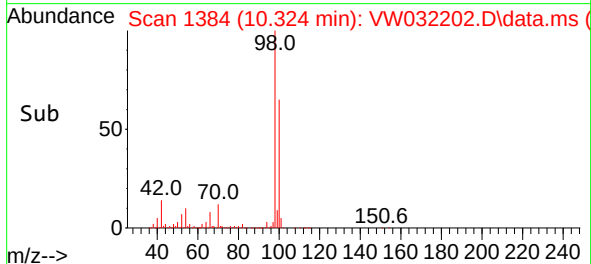
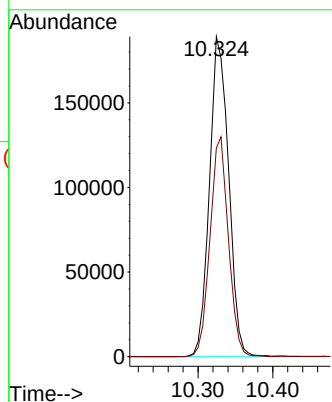
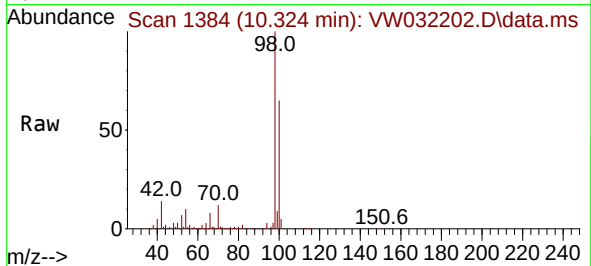




#50
Toluene-d8
Concen: 45.598 ug/l
RT: 10.324 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

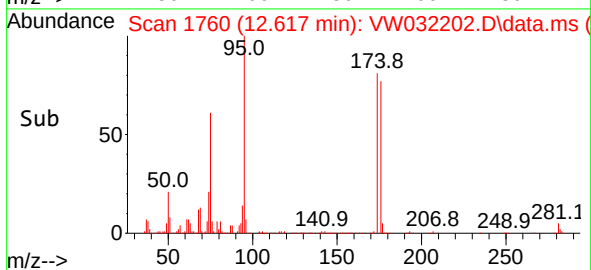
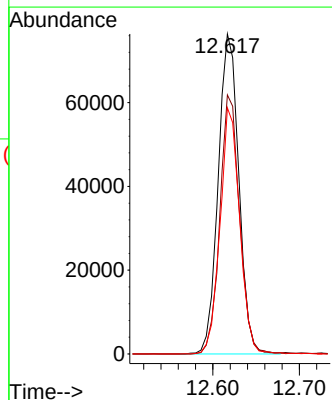
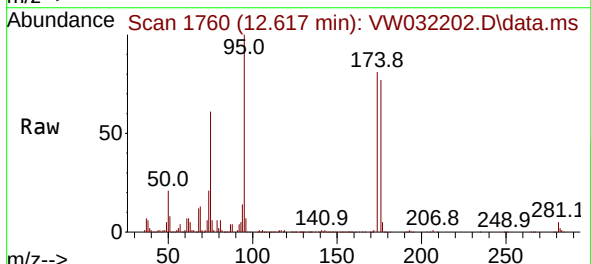
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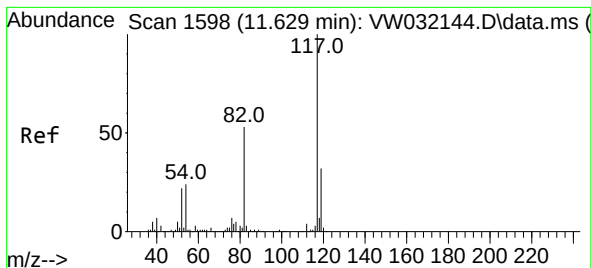
Tgt Ion: 98 Resp: 337215
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 46.073 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032202.D
Acq: 18 Sep 2025 16:09

Tgt Ion: 95 Resp: 125996
Ion Ratio Lower Upper
95 100
174 77.8 0.0 145.6
176 73.7 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW032202.D

Acq: 18 Sep 2025 16:09

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

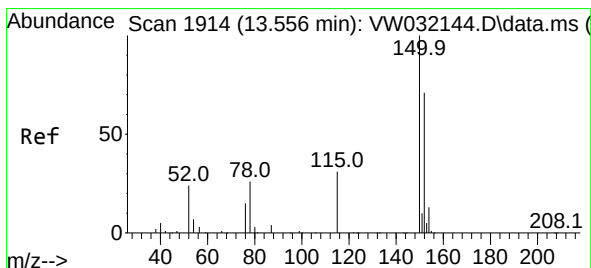
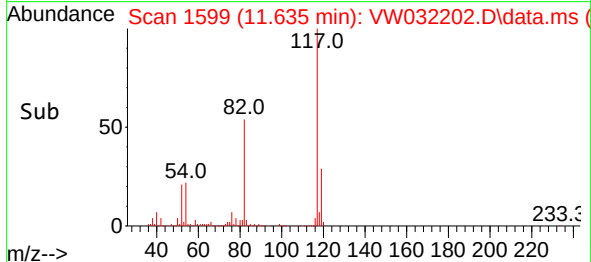
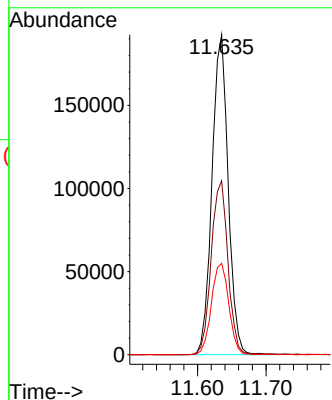
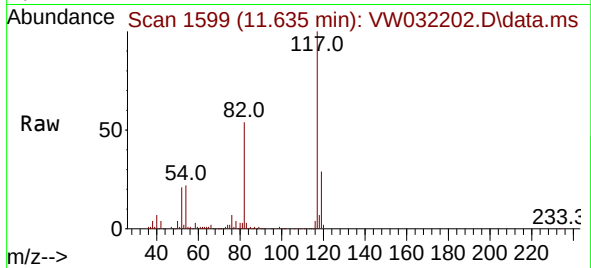
Tgt Ion:117 Resp: 315966

Ion Ratio Lower Upper

117 100

82 54.4 42.7 64.1

119 28.6 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: VW032202.D

Acq: 18 Sep 2025 16:09

Tgt Ion:152 Resp: 155848

Ion Ratio Lower Upper

152 100

115 61.2 31.8 95.4

150 154.2 0.0 343.0

