

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032033.D
 Acq On : 06 Aug 2025 16:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Aug 07 02:21:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	180707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	376153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	354224	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171339	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	129751	47.465	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	94.920%
35) Dibromofluoromethane	7.898	113	120716	47.228	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.460%
50) Toluene-d8	10.331	98	452730	46.800	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.600%
62) 4-Bromofluorobenzene	12.617	95	174618	47.010	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	94.020%

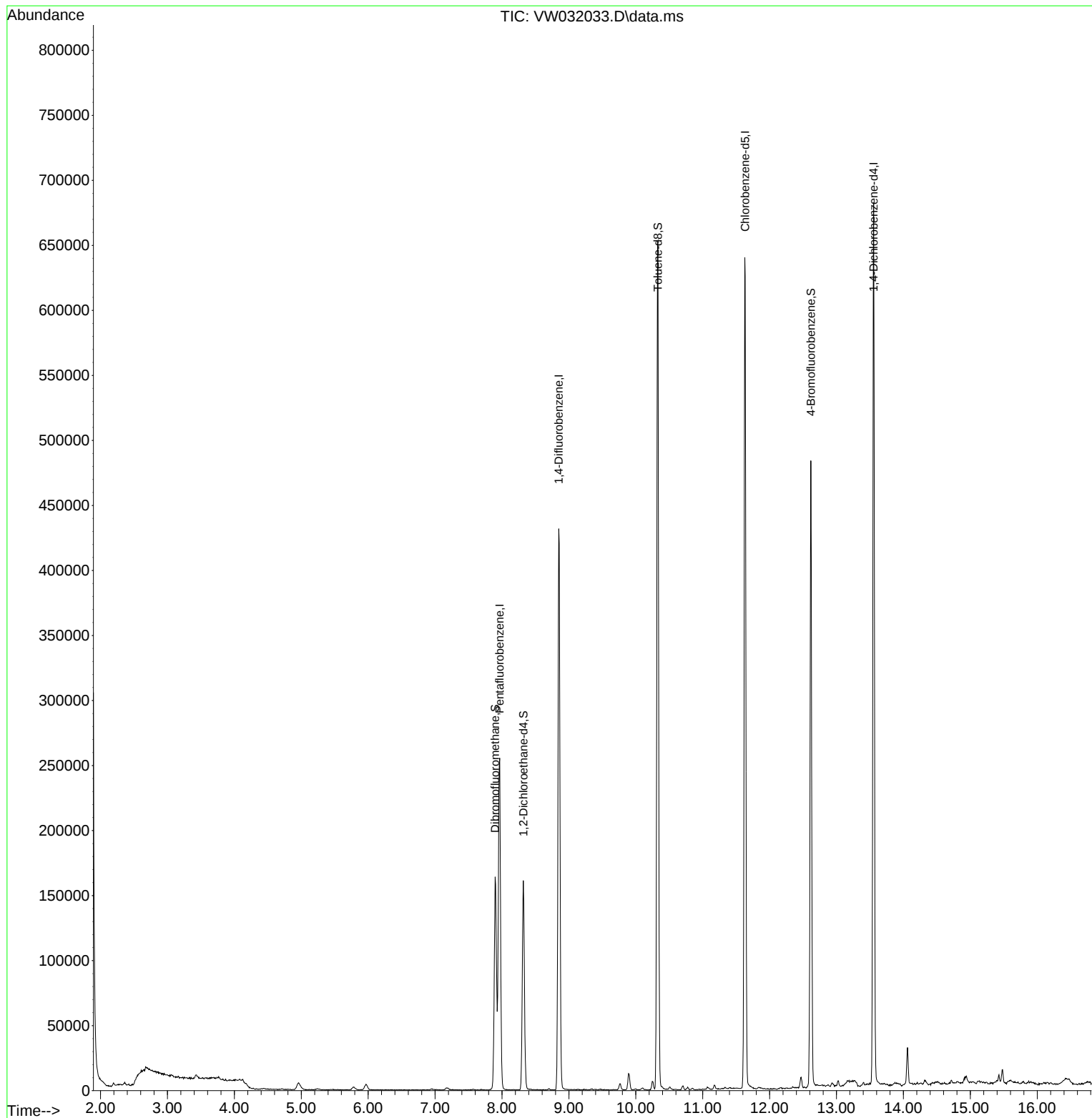
Target Compounds	Qvalue

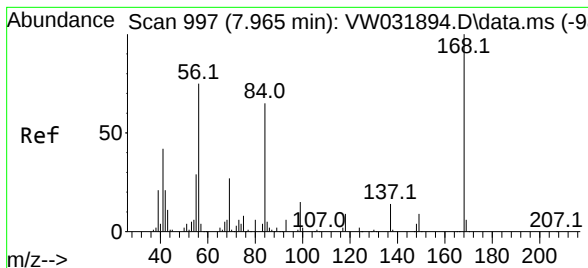
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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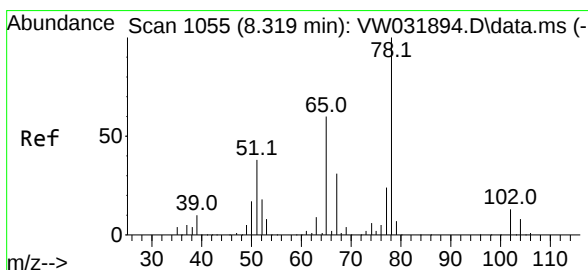
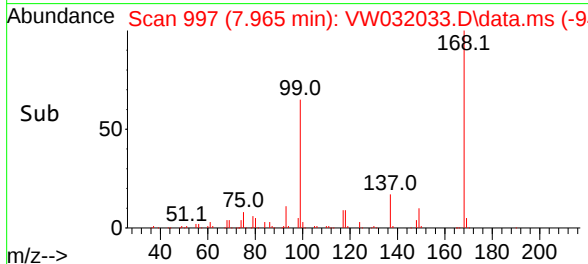
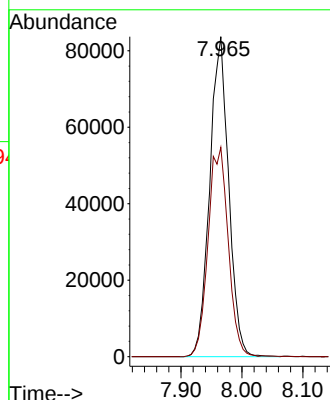
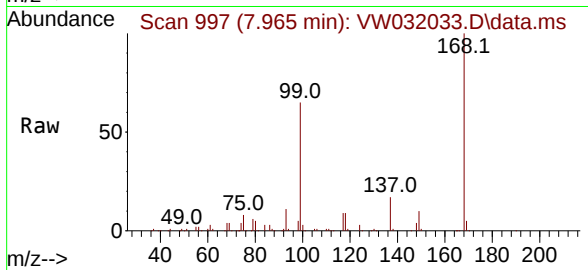




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

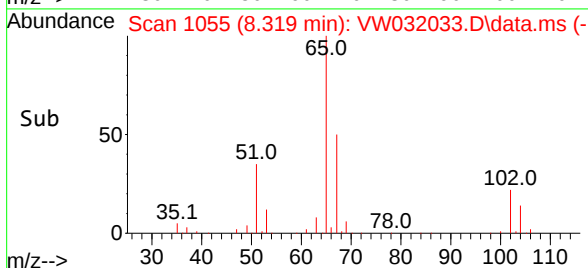
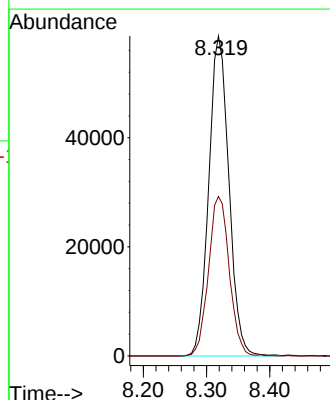
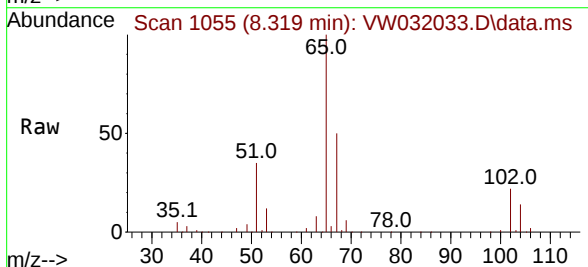
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

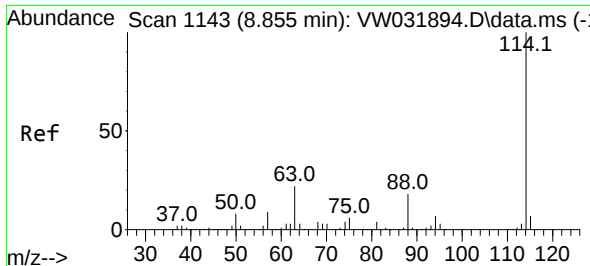
Tgt Ion:168 Resp: 180707
Ion Ratio Lower Upper
168 100
99 65.4 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 47.465 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion: 65 Resp: 129751
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

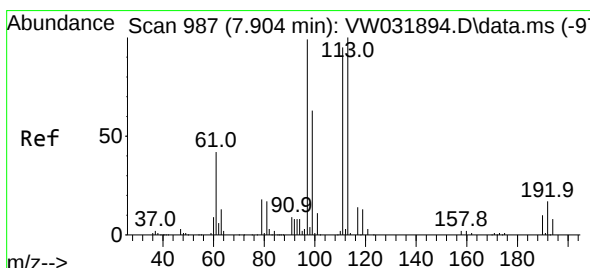
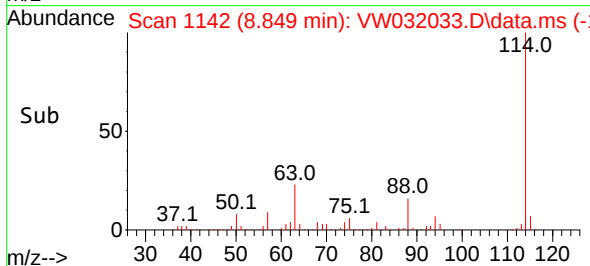
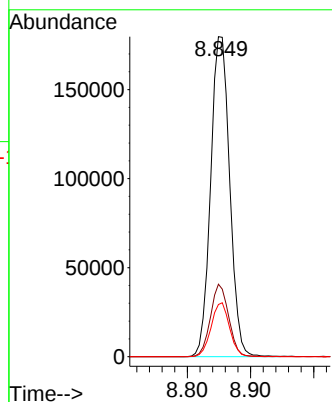
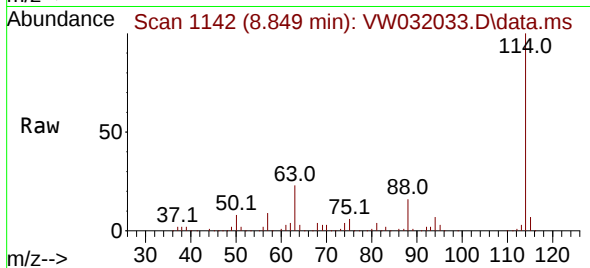
Tgt Ion:114 Resp: 376153

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.2

88 16.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.228 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

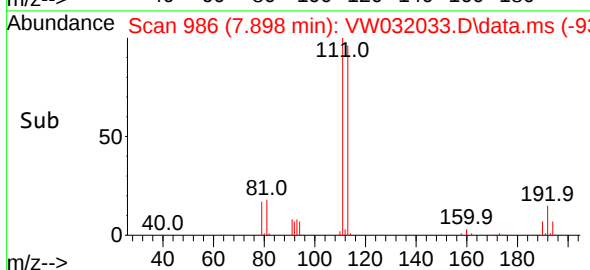
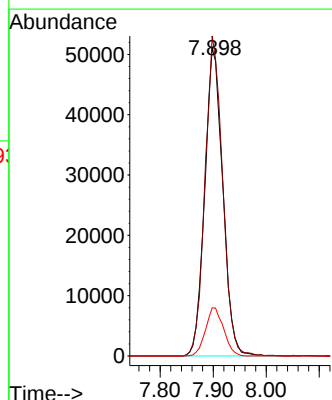
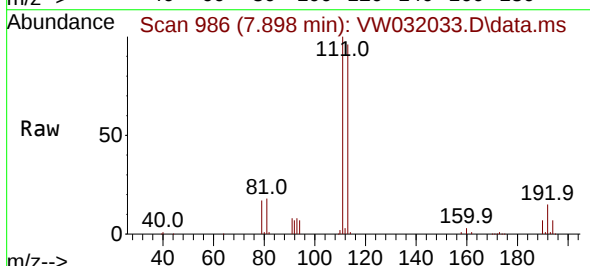
Tgt Ion:113 Resp: 120716

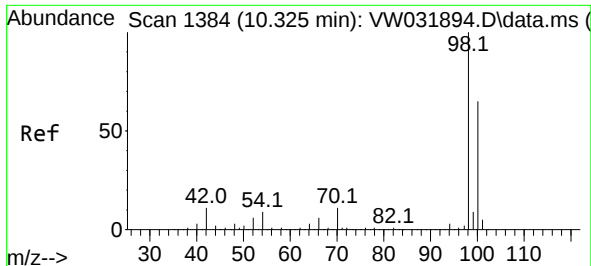
Ion Ratio Lower Upper

113 100

111 101.4 79.9 119.9

192 15.7 12.6 19.0

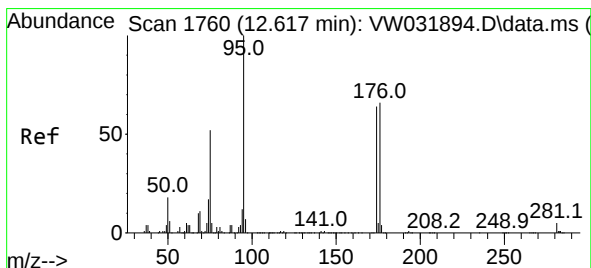
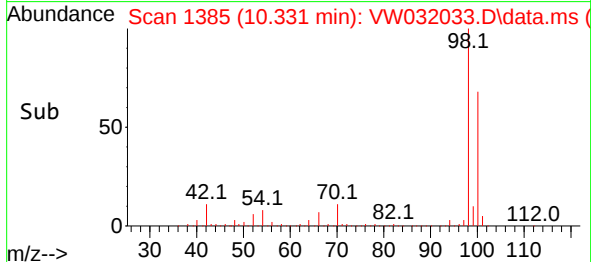
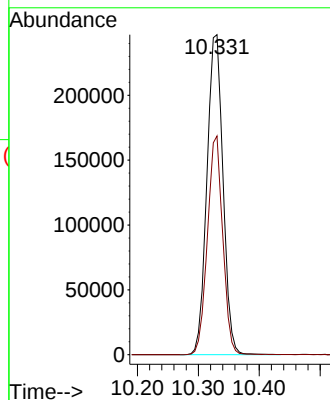
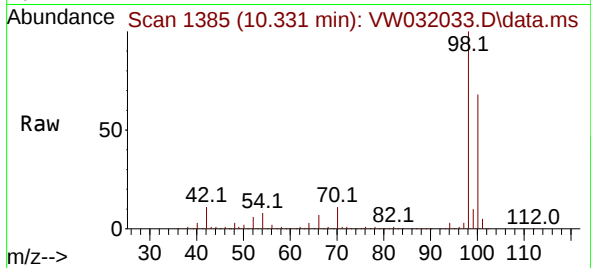




#50
Toluene-d8
Concen: 46.800 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

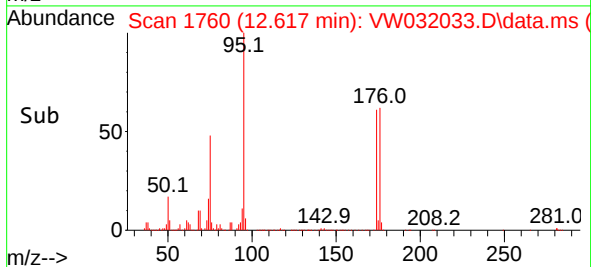
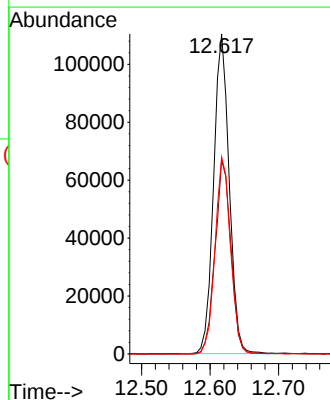
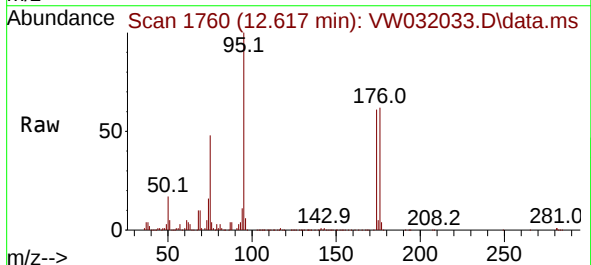
Instrument :
MSVOA_W
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VIBLK

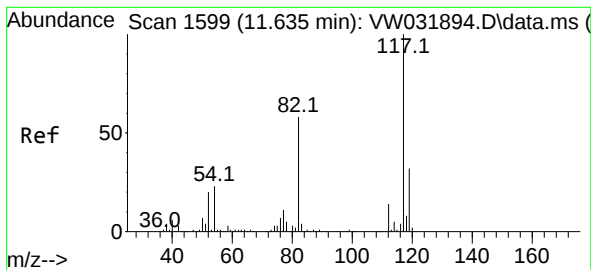
Tgt Ion: 98 Resp: 452730
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.010 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032033.D
Acq: 06 Aug 2025 16:57

Tgt Ion: 95 Resp: 174618
Ion Ratio Lower Upper
95 100
174 61.5 0.0 129.8
176 61.3 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

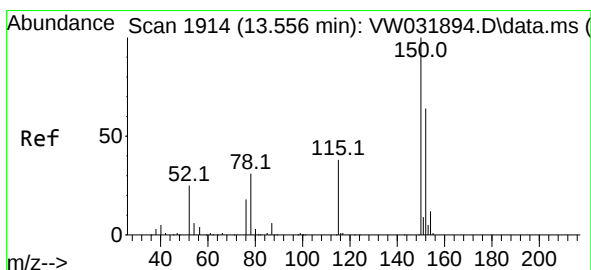
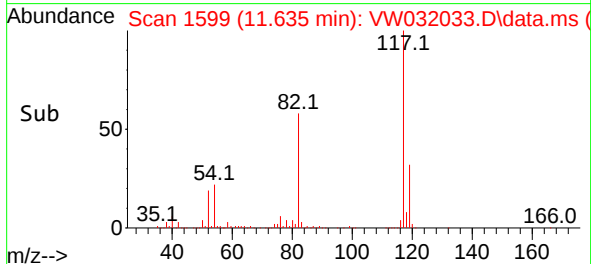
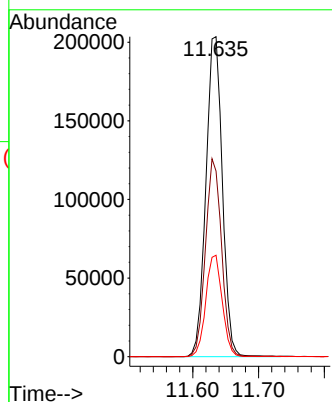
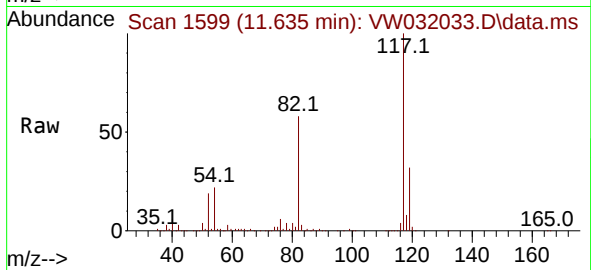
Tgt Ion:117 Resp: 354224

Ion Ratio Lower Upper

117 100

82 57.9 46.5 69.7

119 31.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032033.D

Acq: 06 Aug 2025 16:57

Tgt Ion:152 Resp: 171339

Ion Ratio Lower Upper

152 100

115 67.5 33.4 100.1

150 156.3 0.0 352.2

