

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032100.D
 Acq On : 14 Aug 2025 17:40
 Operator : SY/MD
 Sample : Q2820-17
 Misc : 6.84g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 88H-E

Quant Time: Aug 18 03:56:07 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	138538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	294077	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	290017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	141036	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120564	60.172	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	120.340%
35) Dibromofluoromethane	7.898	113	104879	55.204	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.400%
50) Toluene-d8	10.325	98	344847	49.075	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.617	95	126423	48.821	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.640%

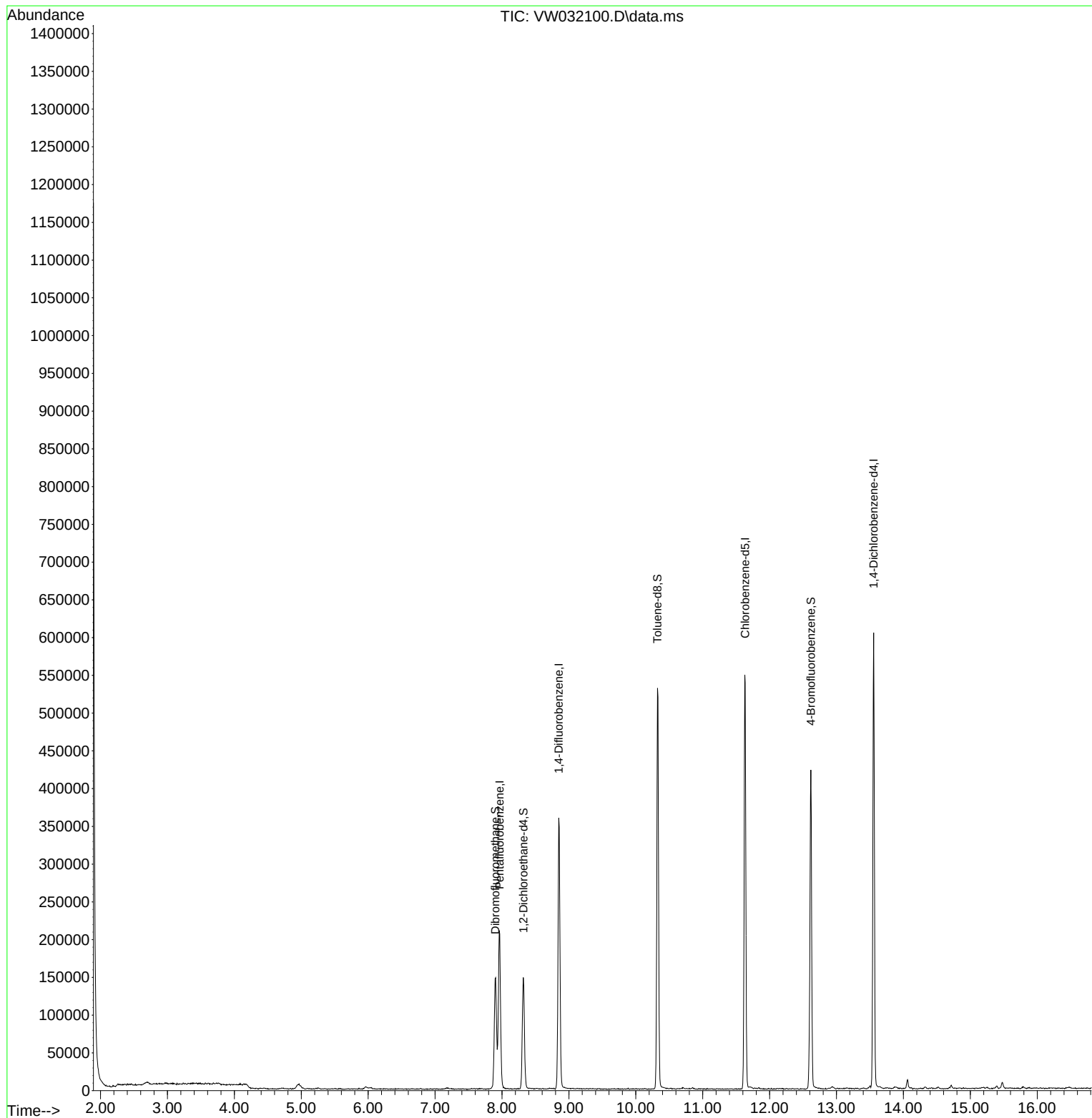
Target Compounds	Qvalue

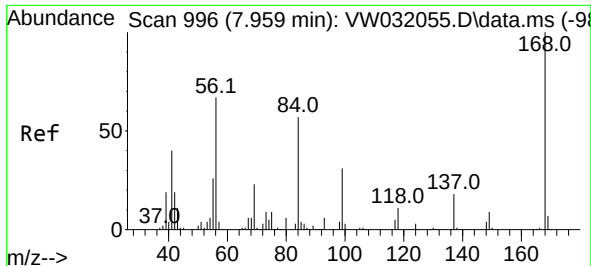
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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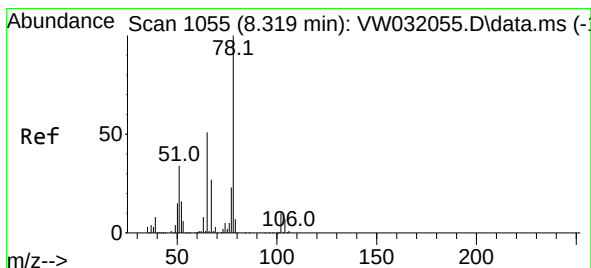
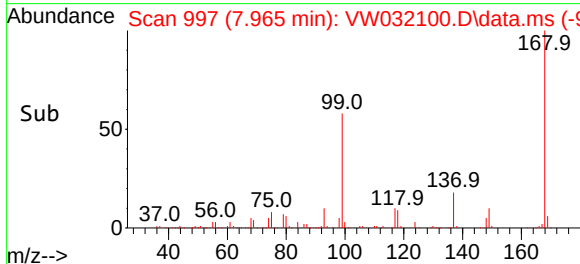
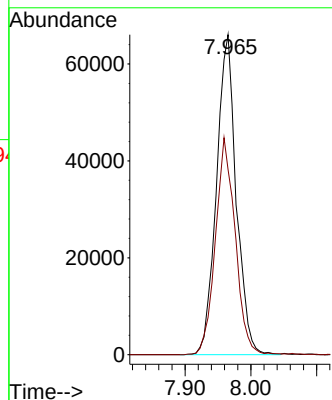
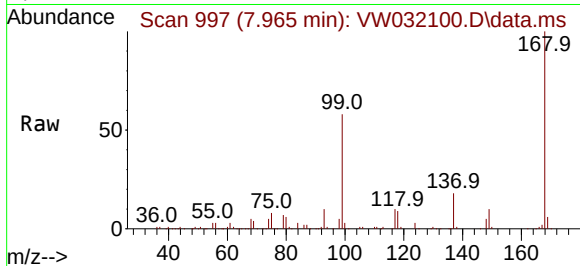




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

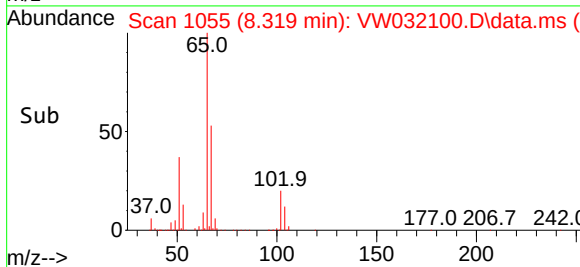
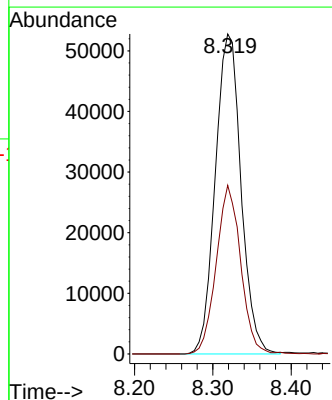
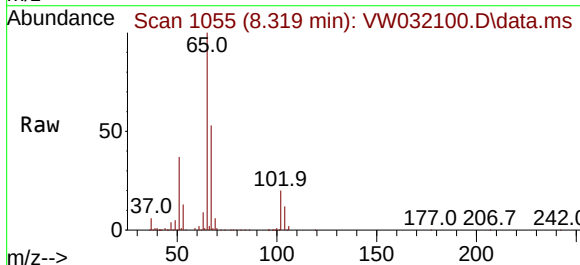
Instrument :
MSVOA_W
ClientSampleId :
88H-E

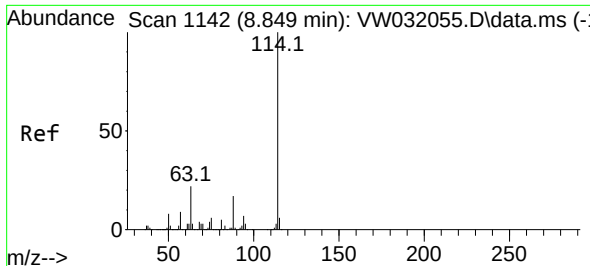
Tgt Ion:168 Resp: 138538
Ion Ratio Lower Upper
168 100
99 57.9 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 60.172 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

Tgt Ion: 65 Resp: 120564
Ion Ratio Lower Upper
65 100
67 50.1 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: VW032100.D

Acq: 14 Aug 2025 17:40

Instrument :

MSVOA_W

ClientSampleId :

88H-E

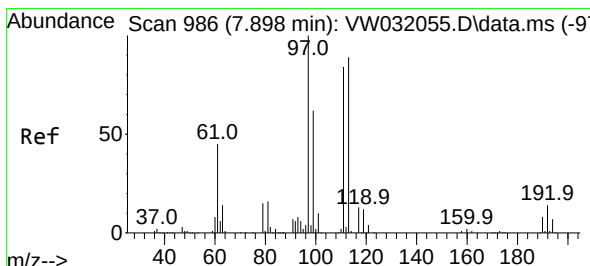
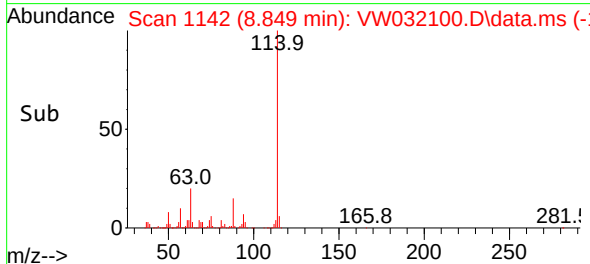
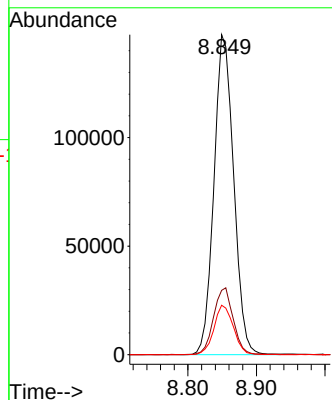
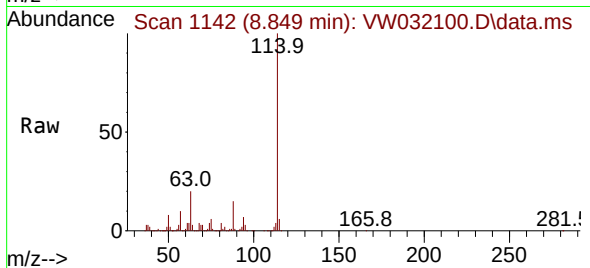
Tgt Ion:114 Resp: 294077

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.0

88 15.5 0.0 33.8



#35

Dibromofluoromethane

Concen: 55.204 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.000 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

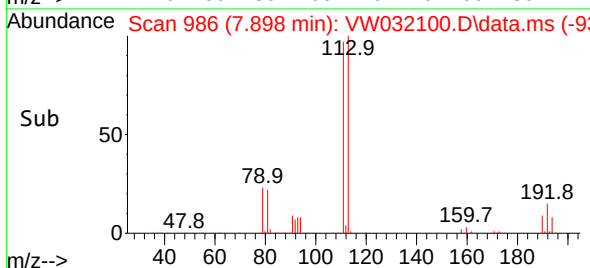
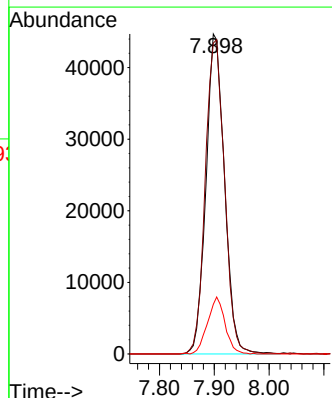
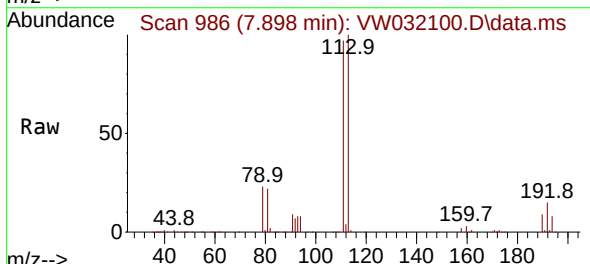
Tgt Ion:113 Resp: 104879

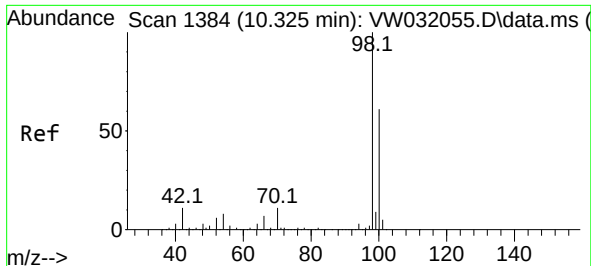
Ion Ratio Lower Upper

113 100

111 101.4 80.1 120.1

192 16.9 13.1 19.7

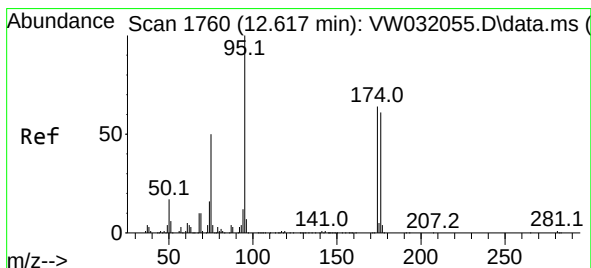
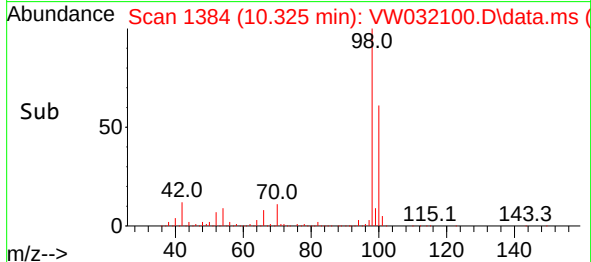
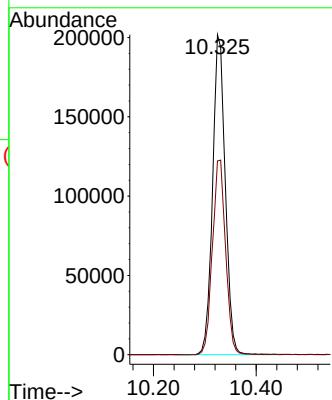
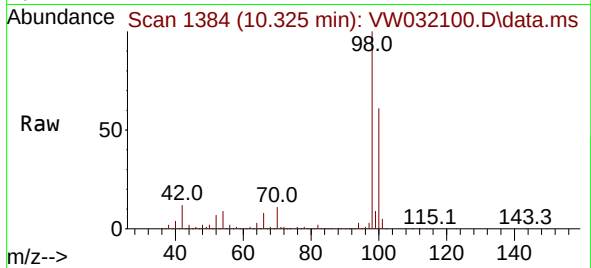




#50
Toluene-d8
Concen: 49.075 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

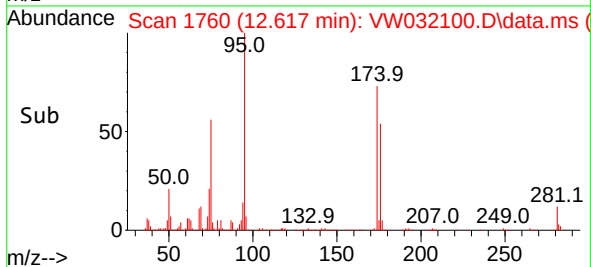
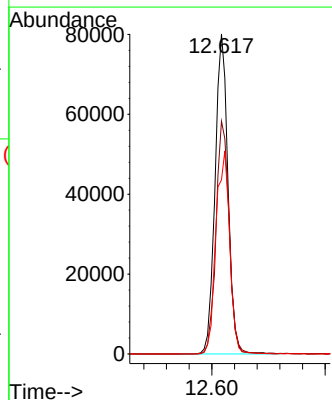
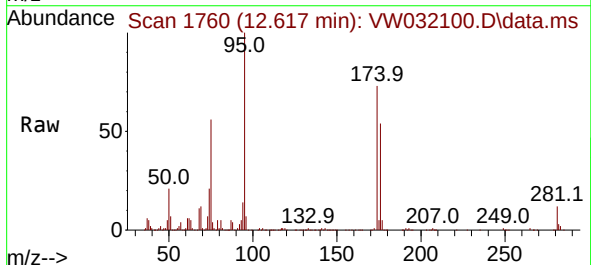
Instrument :
MSVOA_W
ClientSampleId :
88H-E

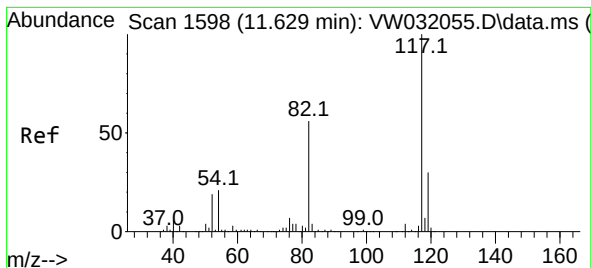
Tgt Ion: 98 Resp: 344847
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 48.821 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032100.D
Acq: 14 Aug 2025 17:40

Tgt Ion: 95 Resp: 126423
Ion Ratio Lower Upper
95 100
174 74.1 0.0 129.0
176 67.6 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032100.D

Acq: 14 Aug 2025 17:40

Instrument :

MSVOA_W

ClientSampleId :

88H-E

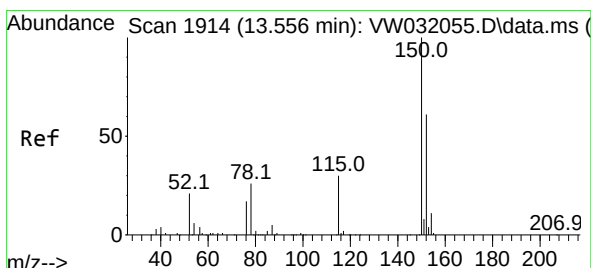
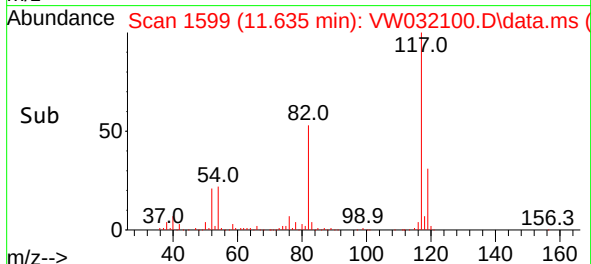
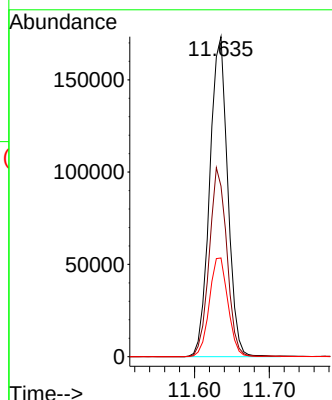
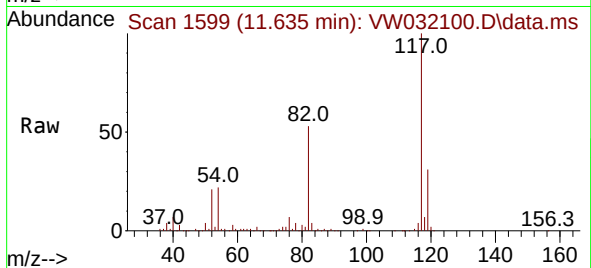
Tgt Ion:117 Resp: 290017

Ion Ratio Lower Upper

117 100

82 53.3 45.0 67.4

119 30.8 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: VW032100.D

Acq: 14 Aug 2025 17:40

Tgt Ion:152 Resp: 141036

Ion Ratio Lower Upper

152 100

115 65.1 32.6 97.8

150 160.9 0.0 359.4

