

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032117.D
 Acq On : 22 Aug 2025 17:34
 Operator : SY/MD
 Sample : Q2932-03
 Misc : 3.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ARS20-0002-SOIL

Quant Time: Aug 25 04:00:09 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	176422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	333919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	182579	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	132237	51.826	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	103.660%
35) Dibromofluoromethane	7.904	113	116987	54.230	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.460%
50) Toluene-d8	10.324	98	428152	53.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.320%
62) 4-Bromofluorobenzene	12.617	95	211201	71.828	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	143.660%

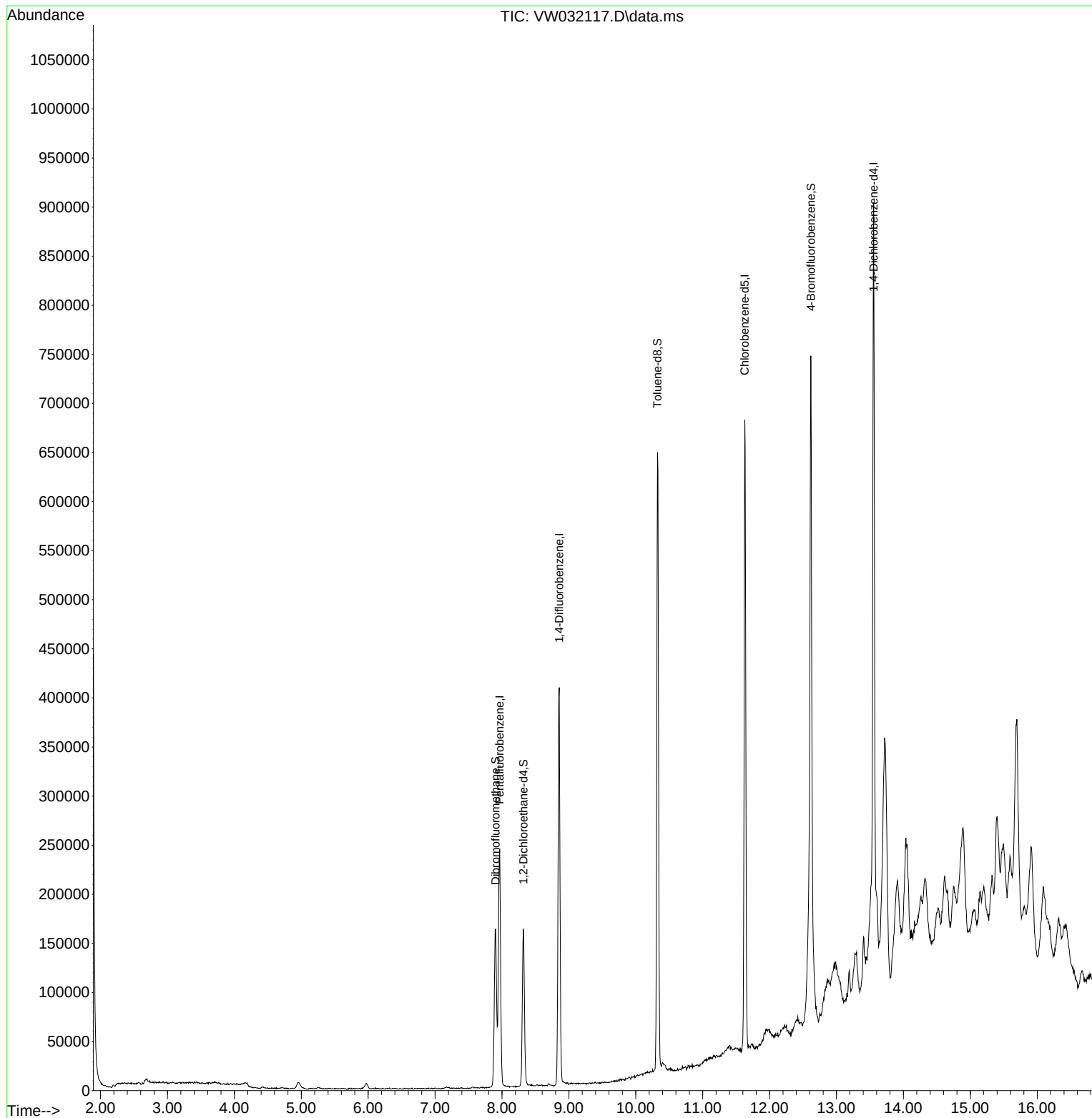
Target Compounds	Qvalue

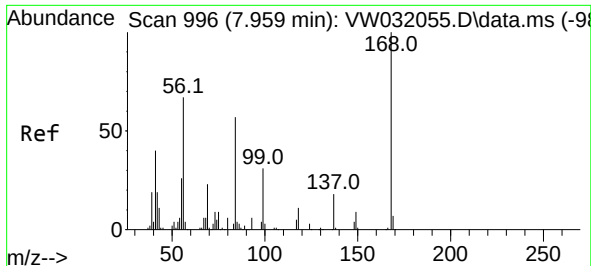
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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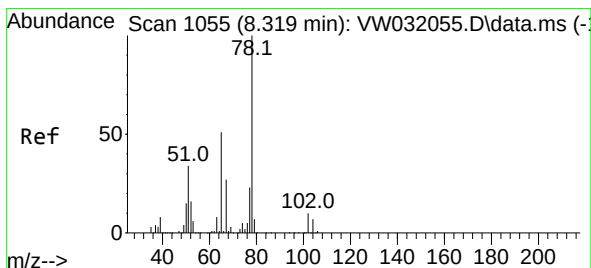
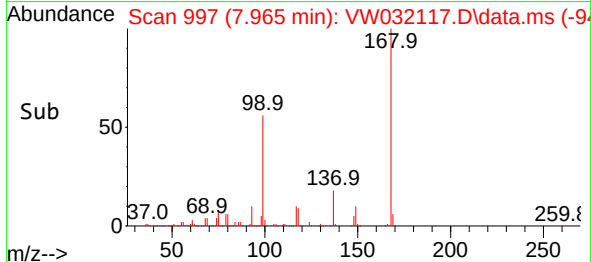
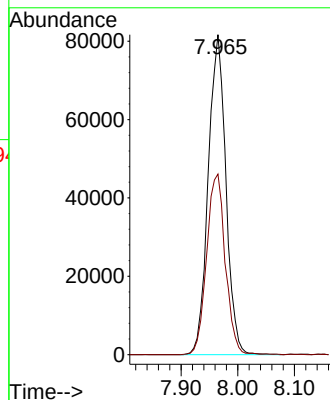
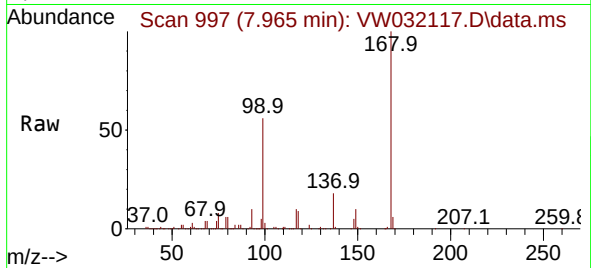




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

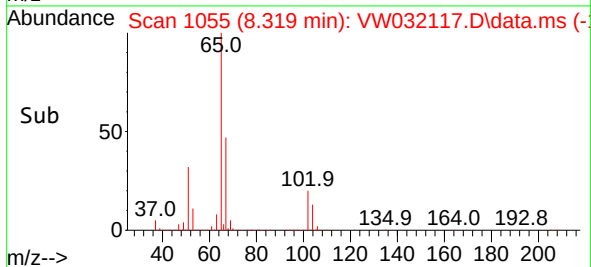
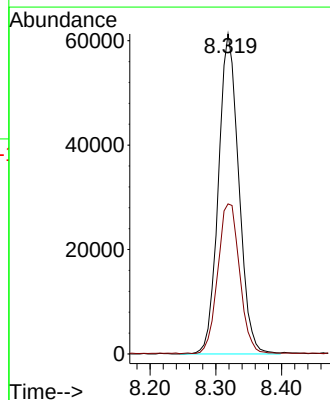
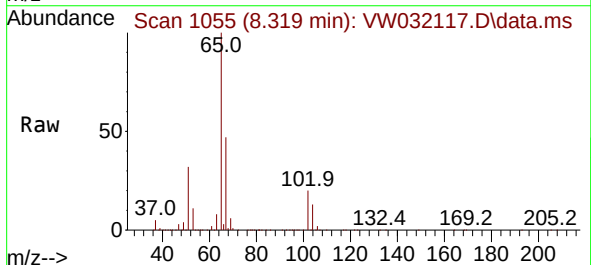
Instrument :
MSVOA_W
ClientSampleId :
ARS20-0002-SOIL

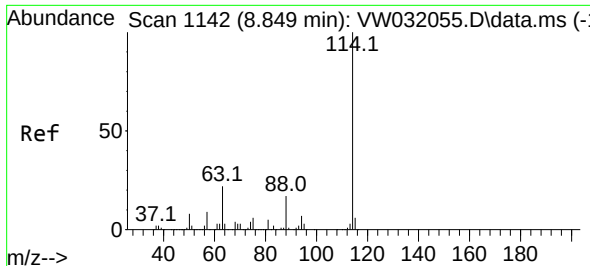
Tgt Ion:168 Resp: 176422
Ion Ratio Lower Upper
168 100
99 56.5 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 51.826 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 65 Resp: 132237
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.4

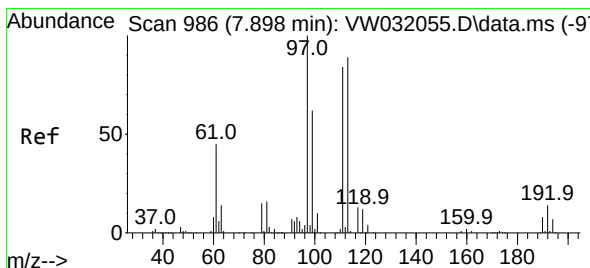
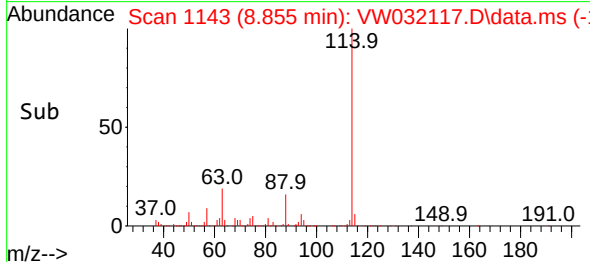
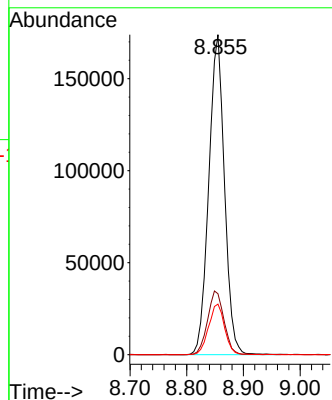
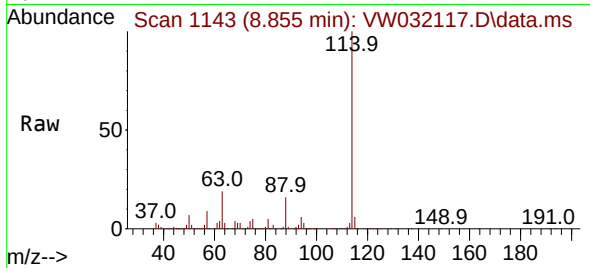




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032117.D
 Acq: 22 Aug 2025 17:34

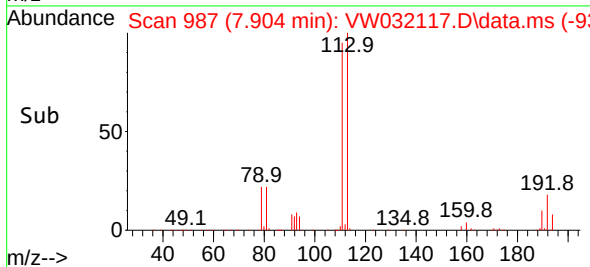
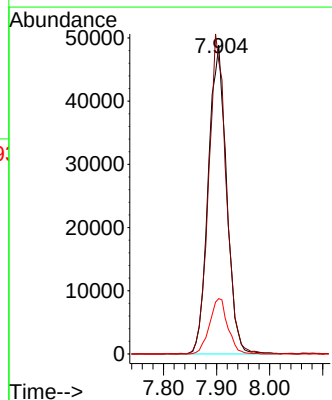
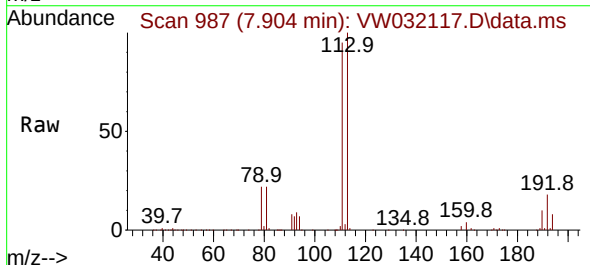
Instrument :
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 ClientSampleId :
 ARS20-0002-SOIL

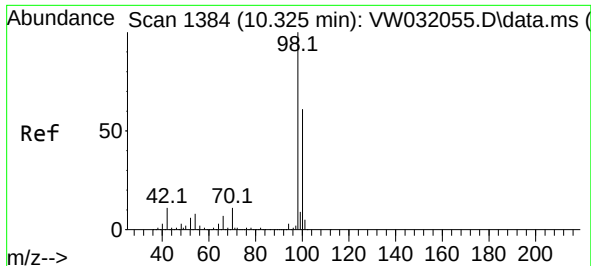
Tgt Ion:114 Resp: 333919
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 43.0
 88 15.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 54.230 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.006 min
 Lab File: VW032117.D
 Acq: 22 Aug 2025 17:34

Tgt Ion:113 Resp: 116987
 Ion Ratio Lower Upper
 113 100
 111 100.0 80.1 120.1
 192 17.8 13.1 19.7

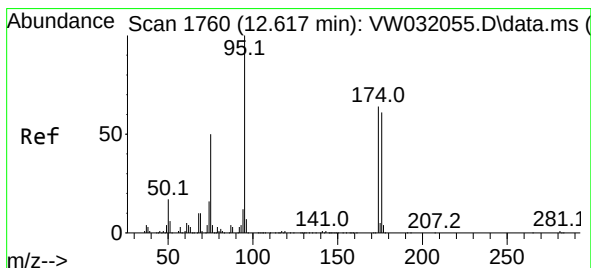
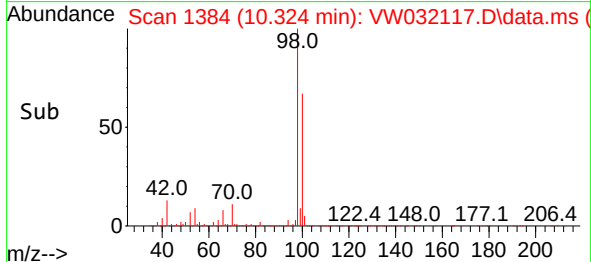
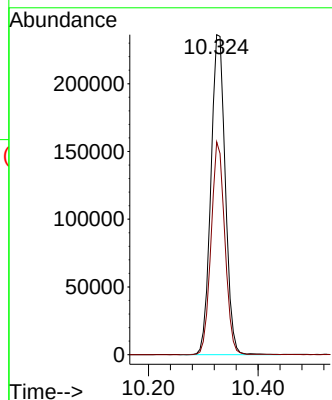
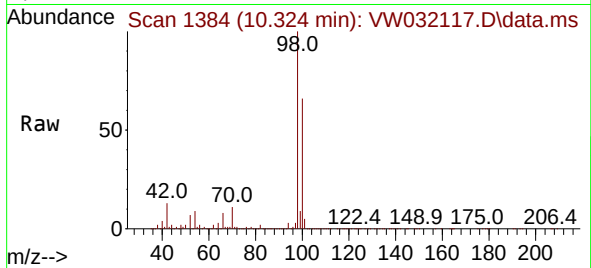




#50
Toluene-d8
Concen: 53.660 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

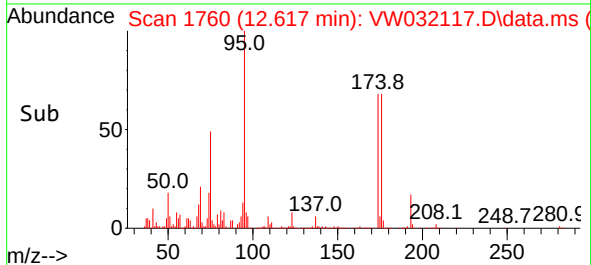
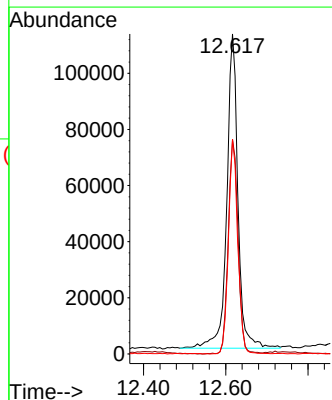
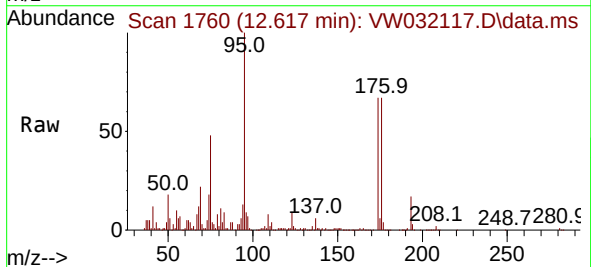
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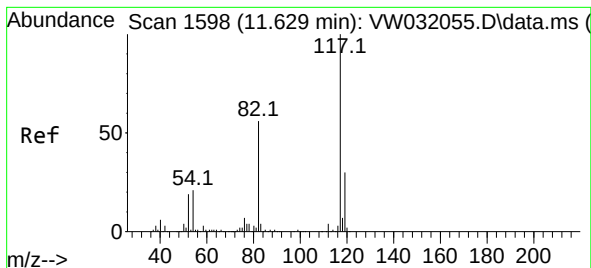
Tgt Ion: 98 Resp: 428152
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 71.828 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032117.D
Acq: 22 Aug 2025 17:34

Tgt Ion: 95 Resp: 211201
Ion Ratio Lower Upper
95 100
174 60.2 0.0 129.0
176 57.2 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

Instrument :

MSVOA_W

ClientSampleId :

ARS20-0002-SOIL

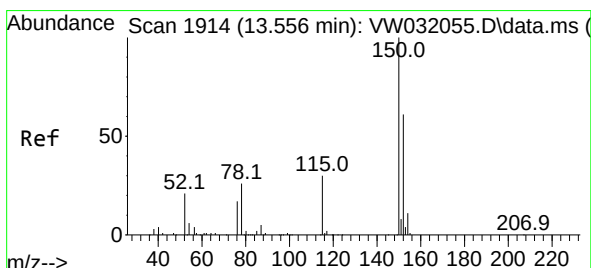
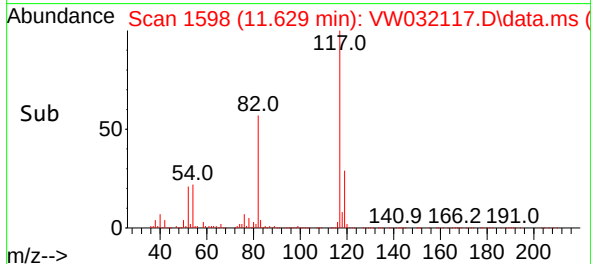
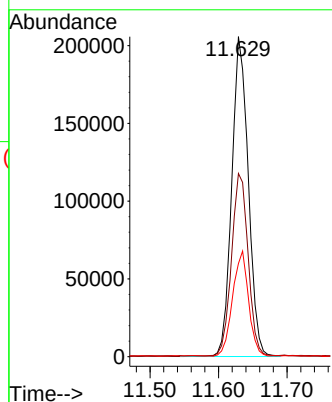
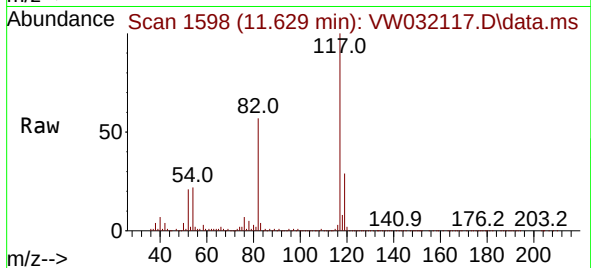
Tgt Ion:117 Resp: 342998

Ion Ratio Lower Upper

117 100

82 56.9 45.0 67.4

119 28.9 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032117.D

Acq: 22 Aug 2025 17:34

Tgt Ion:152 Resp: 182579

Ion Ratio Lower Upper

152 100

115 58.9 32.6 97.8

150 155.1 0.0 359.4

