

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082225\
 Data File : VW032120.D
 Acq On : 22 Aug 2025 18:40
 Operator : SY/MD
 Sample : Q2947-03
 Misc : 5.32g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 235

Quant Time: Aug 25 04:01:33 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	7.959	168	183384	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	345885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	347080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	170006	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130431	49.177	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.360%
35) Dibromofluoromethane	7.904	113	117136	52.420	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.840%
50) Toluene-d8	10.330	98	414645	50.169	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.617	95	155639	51.100	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.200%

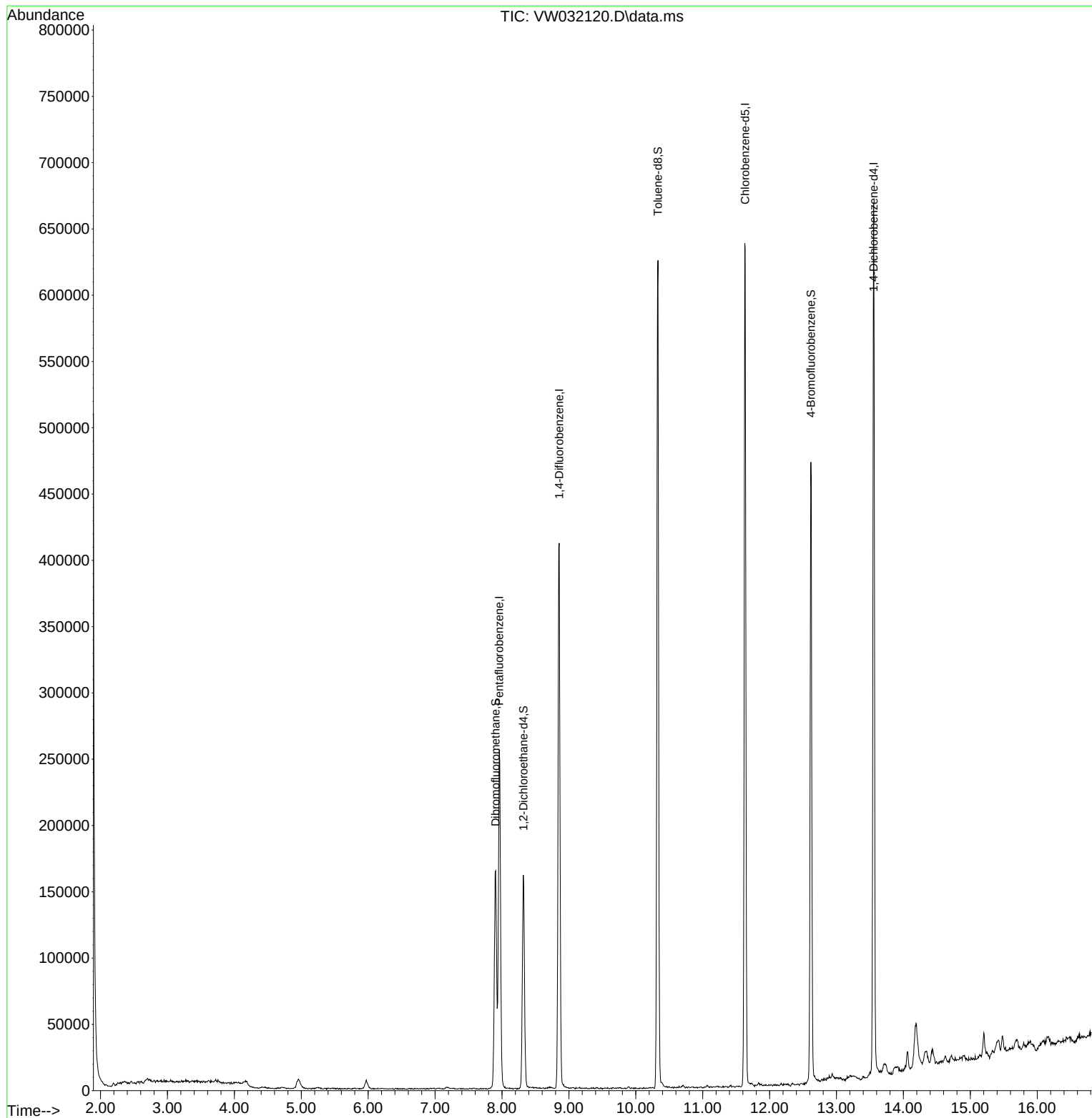
Target Compounds	Qvalue

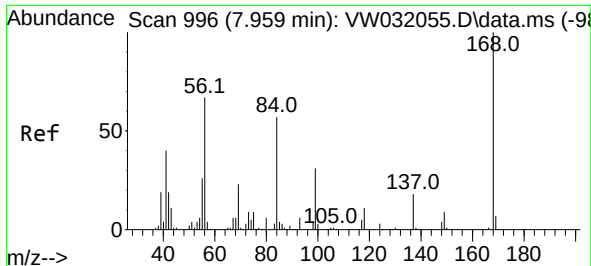
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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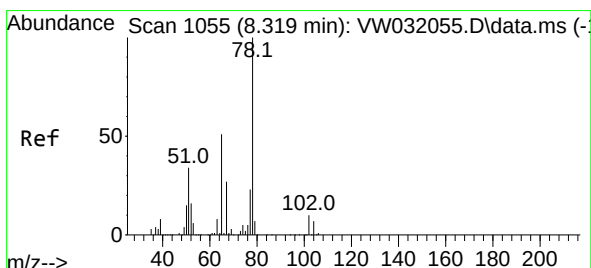
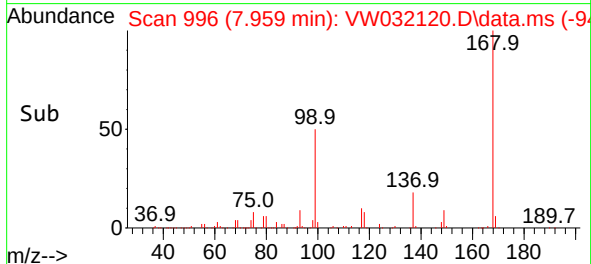
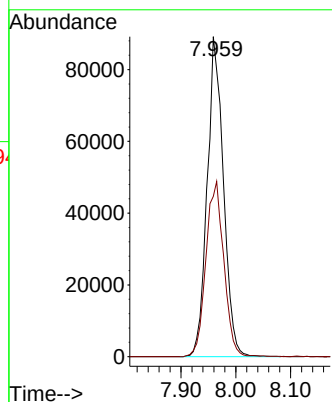
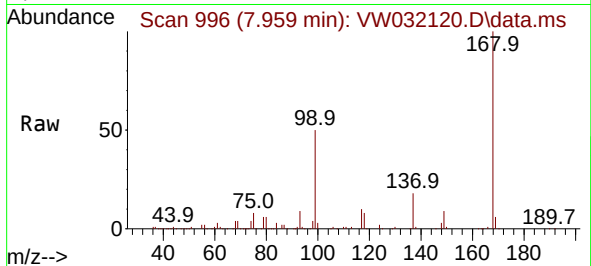




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

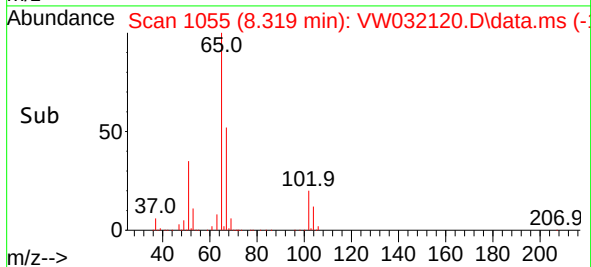
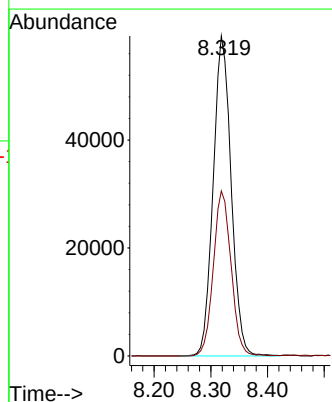
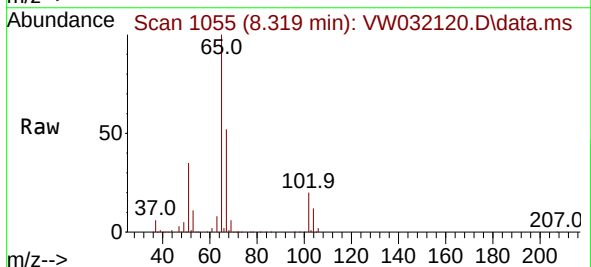
Instrument :
MSVOA_W
ClientSampleId :
235

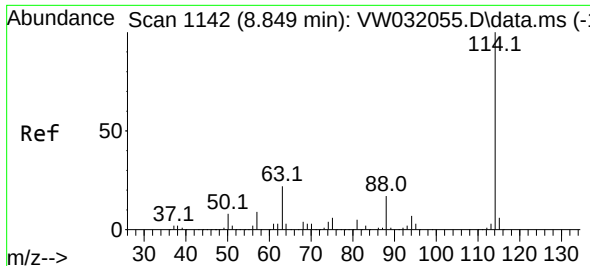
Tgt Ion:168 Resp: 183384
Ion Ratio Lower Upper
168 100
99 50.1 56.0 84.0#



#33
1,2-Dichloroethane-d4
Concen: 49.177 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 65 Resp: 130431
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

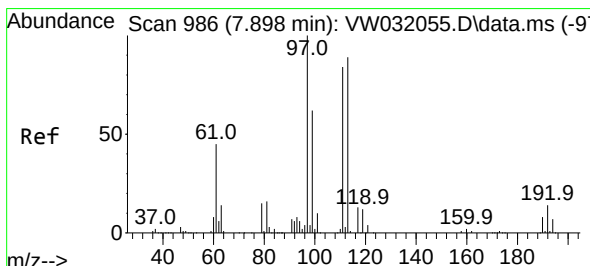
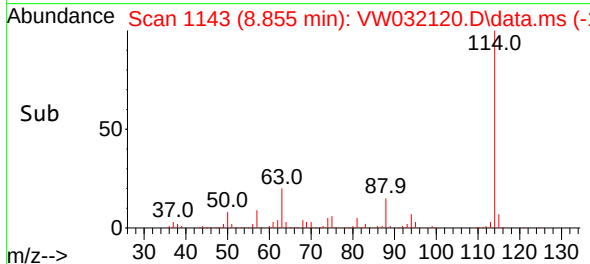
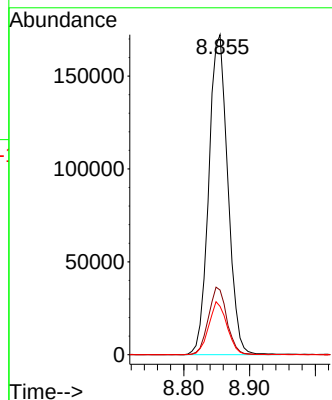
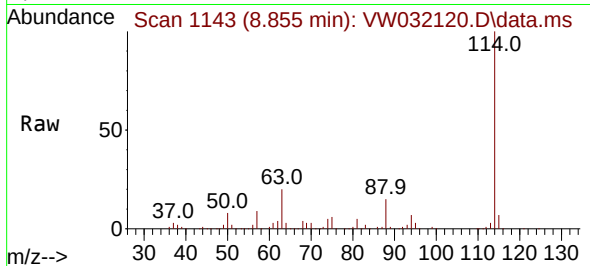




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

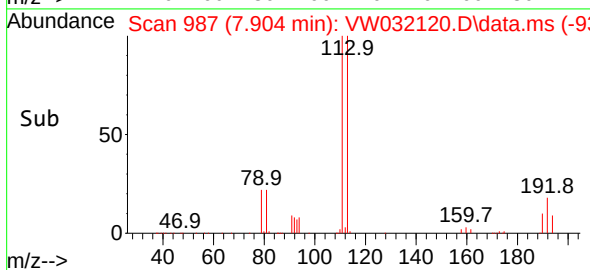
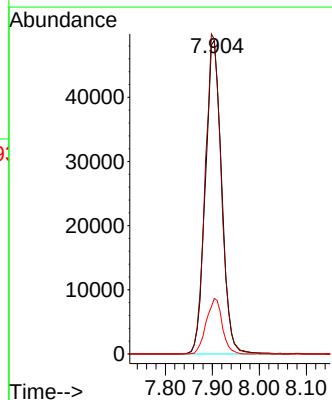
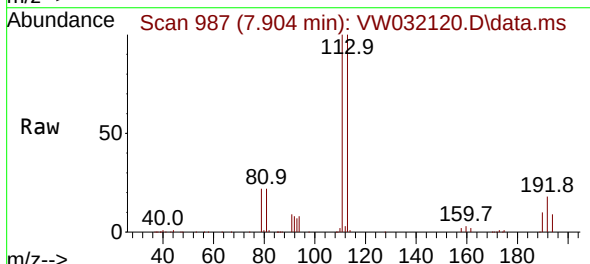
Instrument :
MSVOA_W
ClientSampleId :
235

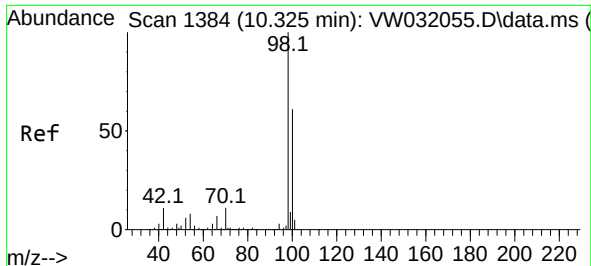
Tgt Ion:114 Resp: 345885
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.0
88 15.1 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.420 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion:113 Resp: 117136
Ion Ratio Lower Upper
113 100
111 101.1 80.1 120.1
192 17.4 13.1 19.7

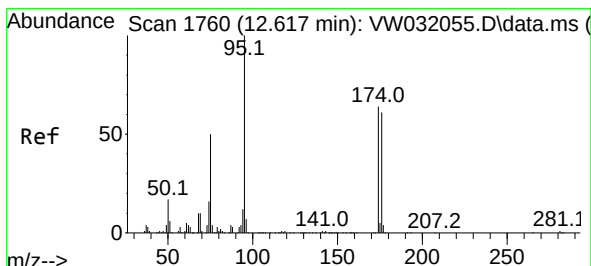
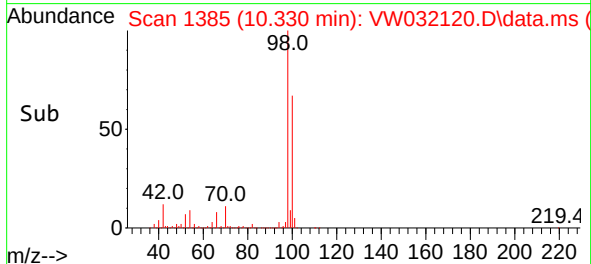
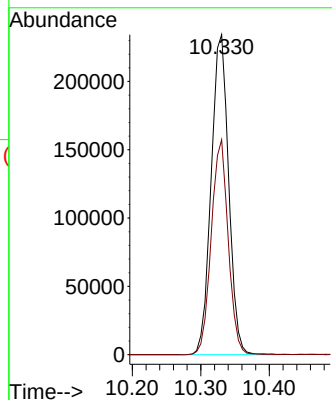
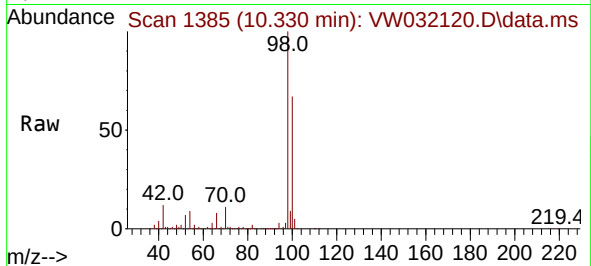




#50
Toluene-d8
Concen: 50.169 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

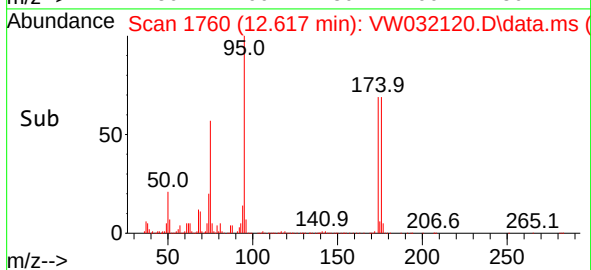
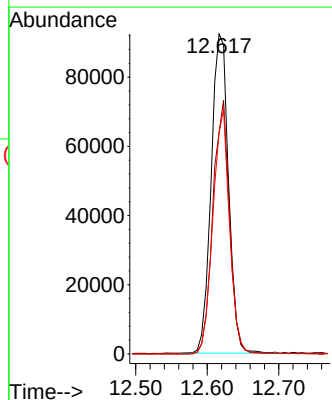
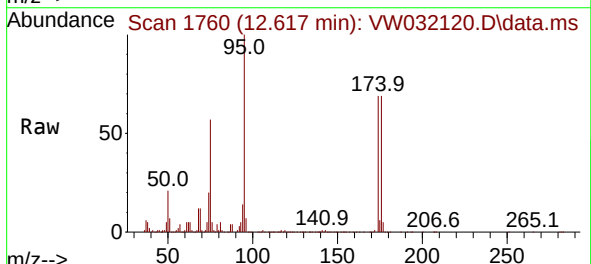
Instrument :
MSVOA_W
ClientSampleId :
235

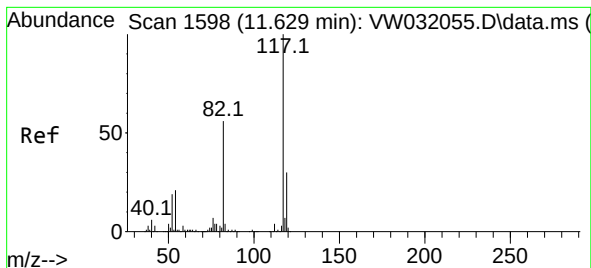
Tgt Ion: 98 Resp: 414645
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.100 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032120.D
Acq: 22 Aug 2025 18:40

Tgt Ion: 95 Resp: 155639
Ion Ratio Lower Upper
95 100
174 76.4 0.0 129.0
176 73.2 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: VW032120.D

Acq: 22 Aug 2025 18:40

Instrument :

MSVOA_W

ClientSampleId :

235

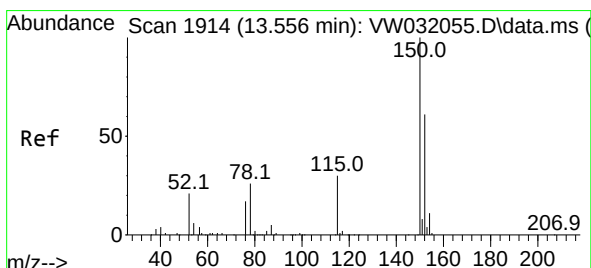
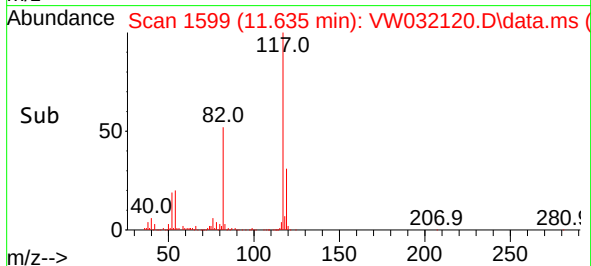
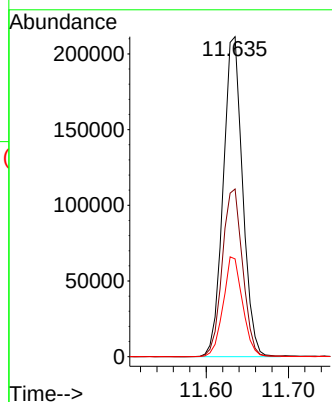
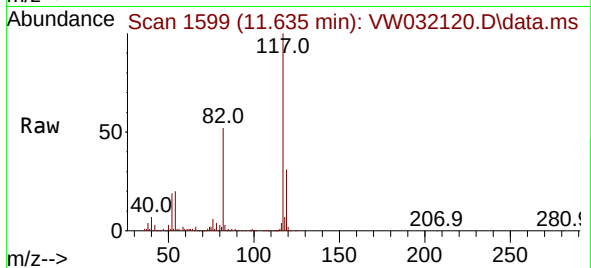
Tgt Ion:117 Resp: 347080

Ion Ratio Lower Upper

117 100

82 52.4 45.0 67.4

119 30.5 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: VW032120.D

Acq: 22 Aug 2025 18:40

Tgt Ion:152 Resp: 170006

Ion Ratio Lower Upper

152 100

115 59.9 32.6 97.8

150 154.1 0.0 359.4

