

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032245.D
 Acq On : 24 Sep 2025 15:46
 Operator : SY/MD
 Sample : Q3176-01
 Misc : 5.28g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS12-01

Quant Time: Sep 25 08:14:09 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	141823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	277956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	277180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	126415	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131894	65.028	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.060%
35) Dibromofluoromethane	7.904	113	110207	56.513	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	113.020%
50) Toluene-d8	10.331	98	362691	52.979	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.960%
62) 4-Bromofluorobenzene	12.617	95	115841	45.760	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.520%

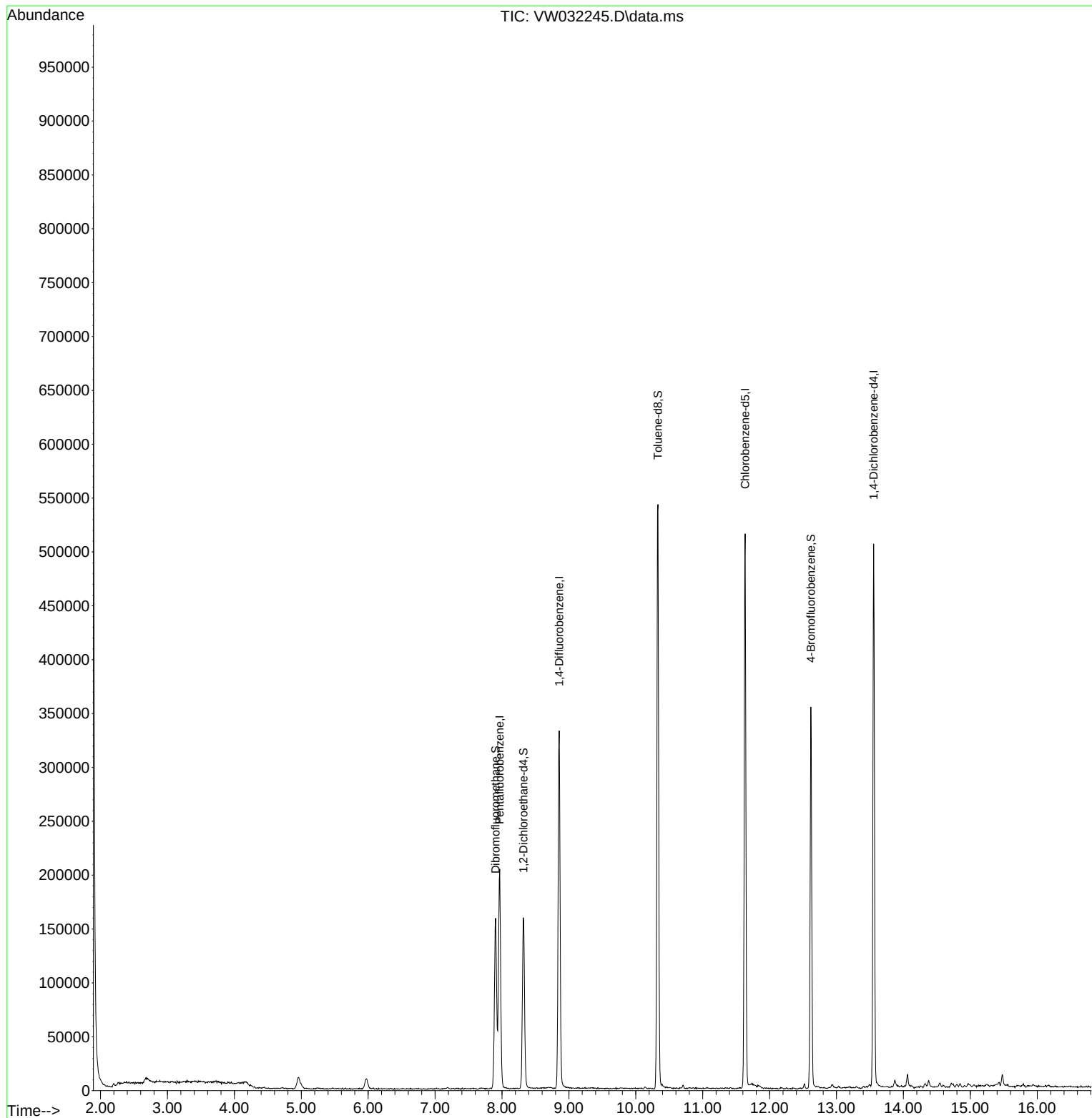
Target Compounds	Qvalue

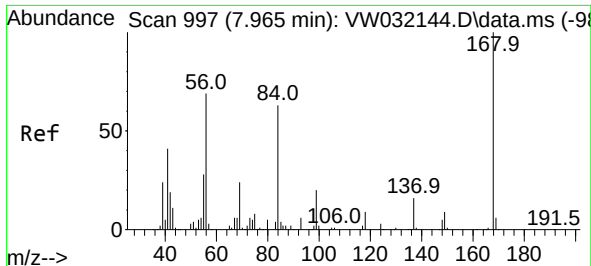
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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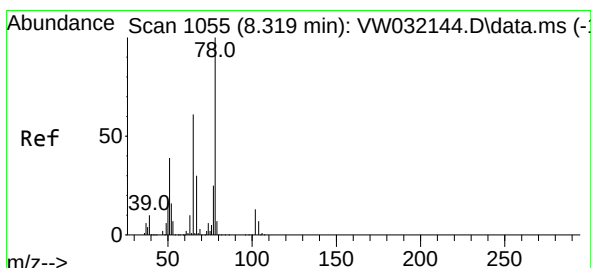
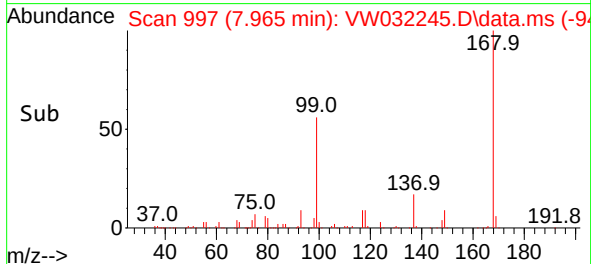
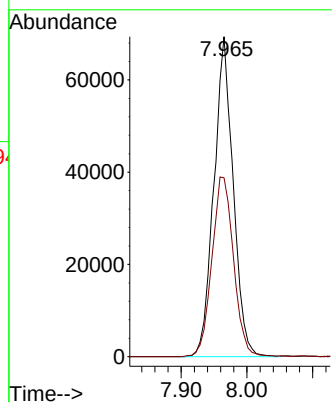
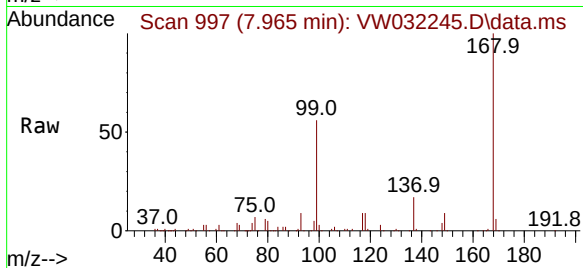




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

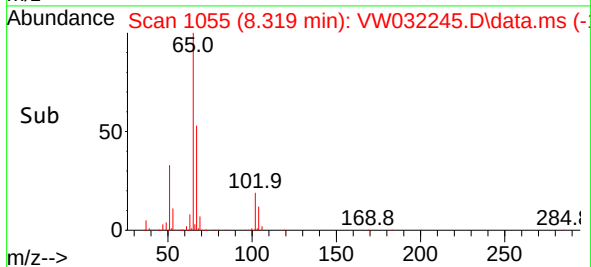
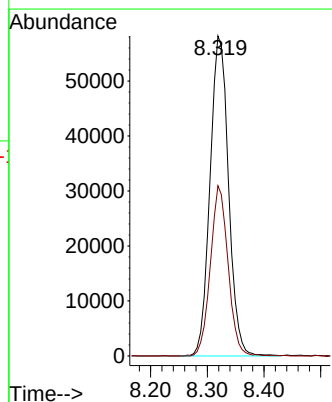
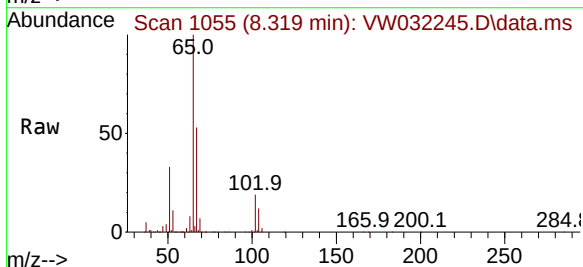
Instrument :
MSVOA_W
ClientSampleId :
EME-TS12-01

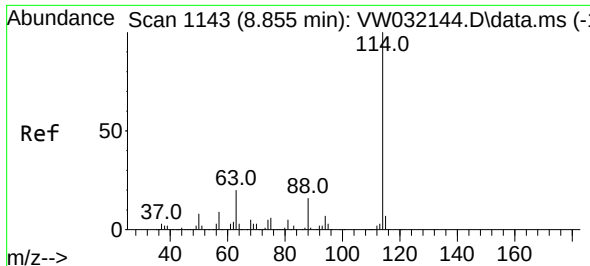
Tgt Ion:168 Resp: 141823
Ion Ratio Lower Upper
168 100
99 55.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.028 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 65 Resp: 131894
Ion Ratio Lower Upper
65 100
67 50.9 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: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

EME-TS12-01

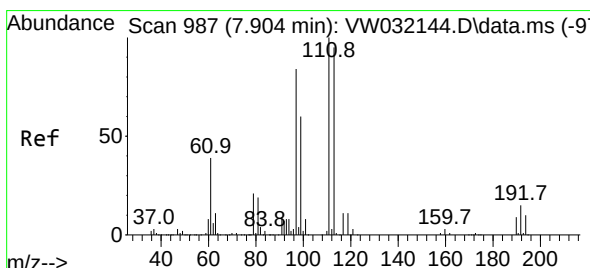
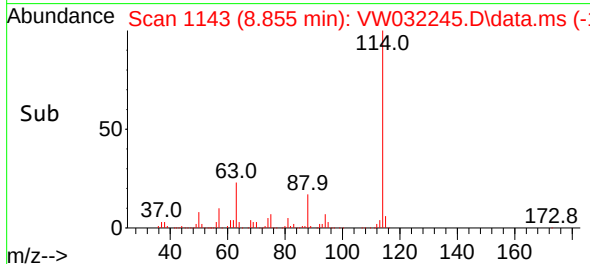
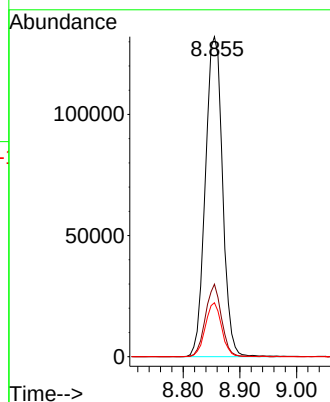
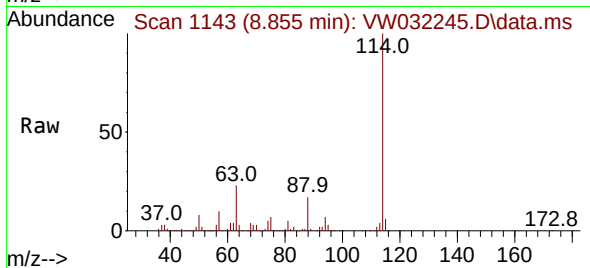
Tgt Ion:114 Resp: 277956

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.4

88 16.8 0.0 32.0



#35

Dibromofluoromethane

Concen: 56.513 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032245.D

Acq: 24 Sep 2025 15:46

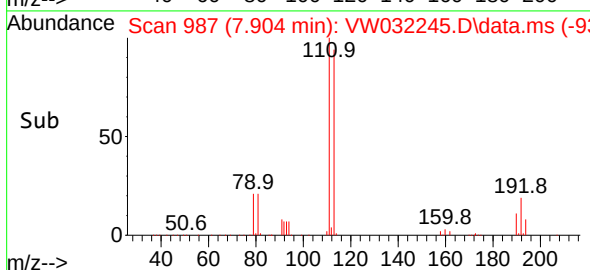
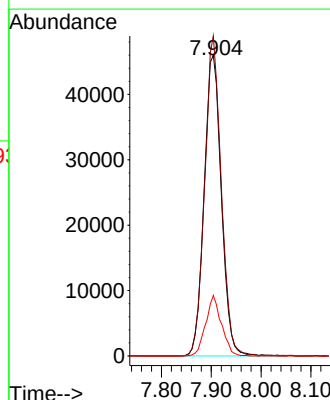
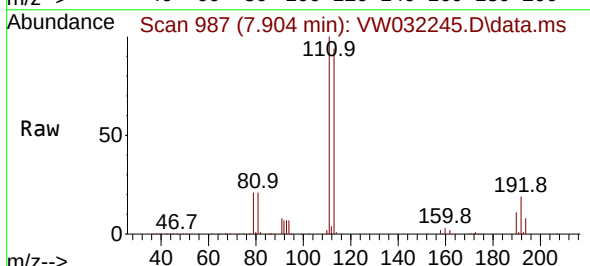
Tgt Ion:113 Resp: 110207

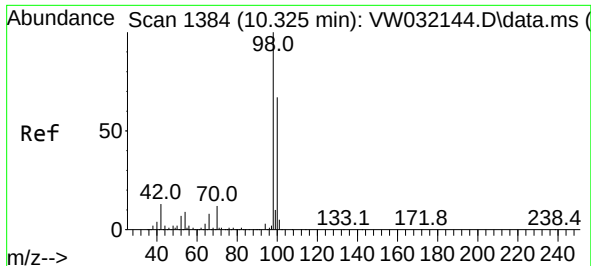
Ion Ratio Lower Upper

113 100

111 102.5 83.9 125.9

192 18.5 14.6 21.8

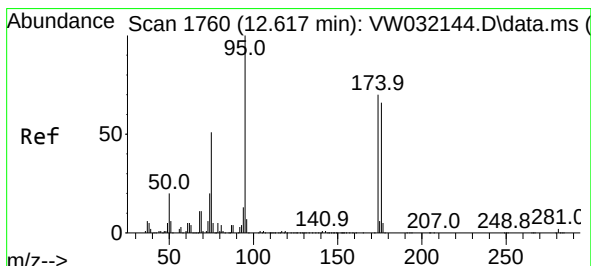
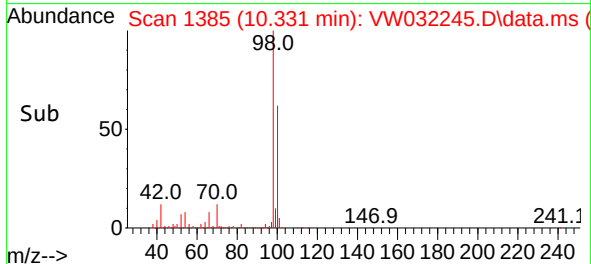
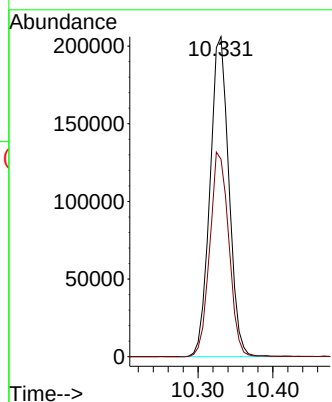
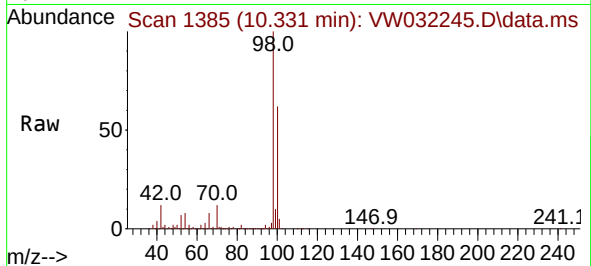




#50
Toluene-d8
Concen: 52.979 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

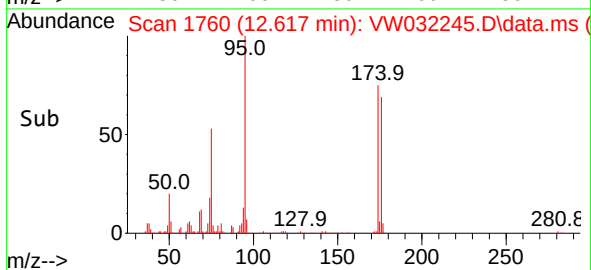
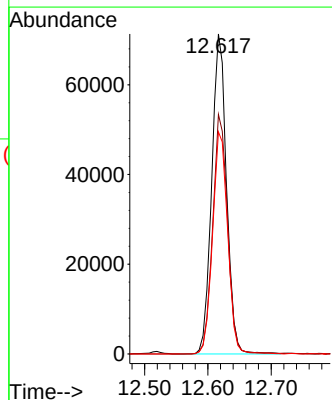
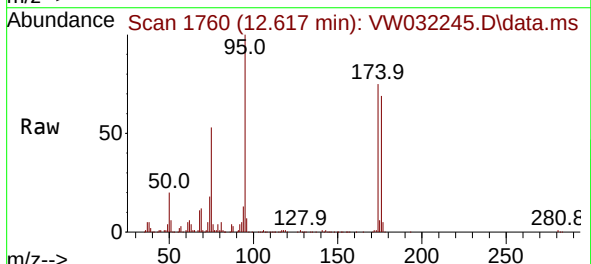
Instrument :
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EME-TS12-01

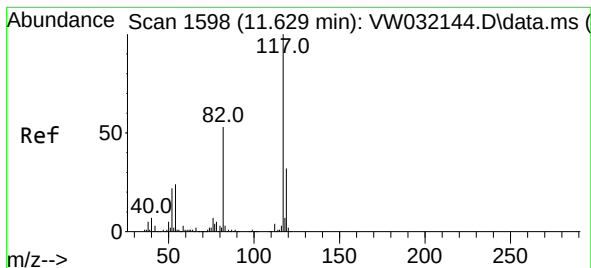
Tgt Ion: 98 Resp: 362691
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.760 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032245.D
Acq: 24 Sep 2025 15:46

Tgt Ion: 95 Resp: 115841
Ion Ratio Lower Upper
95 100
174 75.6 0.0 145.6
176 70.7 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: VW032245.D

Acq: 24 Sep 2025 15:46

Instrument :

MSVOA_W

ClientSampleId :

EME-TS12-01

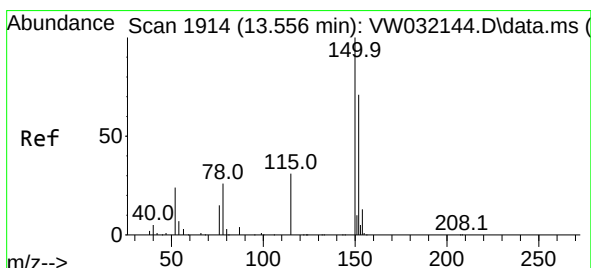
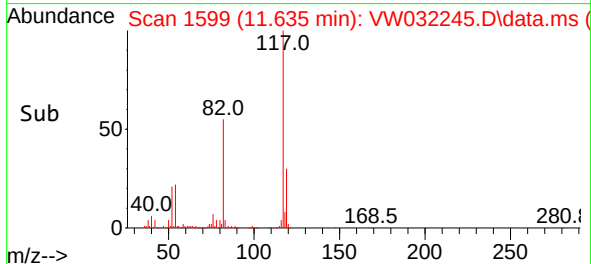
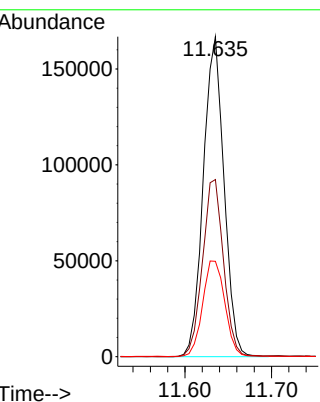
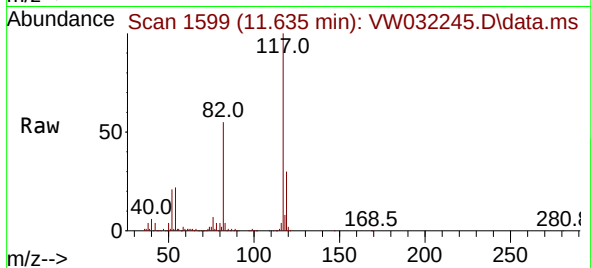
Tgt Ion:117 Resp: 277180

Ion Ratio Lower Upper

117 100

82 55.4 42.7 64.1

119 29.7 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: VW032245.D

Acq: 24 Sep 2025 15:46

Tgt Ion:152 Resp: 126415

Ion Ratio Lower Upper

152 100

115 61.8 31.8 95.4

150 162.0 0.0 343.0

