

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032247.D
 Acq On : 24 Sep 2025 16:30
 Operator : SY/MD
 Sample : Q3176-03
 Misc : 4.54g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-02

Quant Time: Sep 25 08:15:22 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	7.971	168	139143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	296657	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	285057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	124449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	135312	67.998	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	136.000%
35) Dibromofluoromethane	7.904	113	115476	55.482	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.960%
50) Toluene-d8	10.331	98	370641	50.728	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.617	95	112401	41.602	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	83.200%

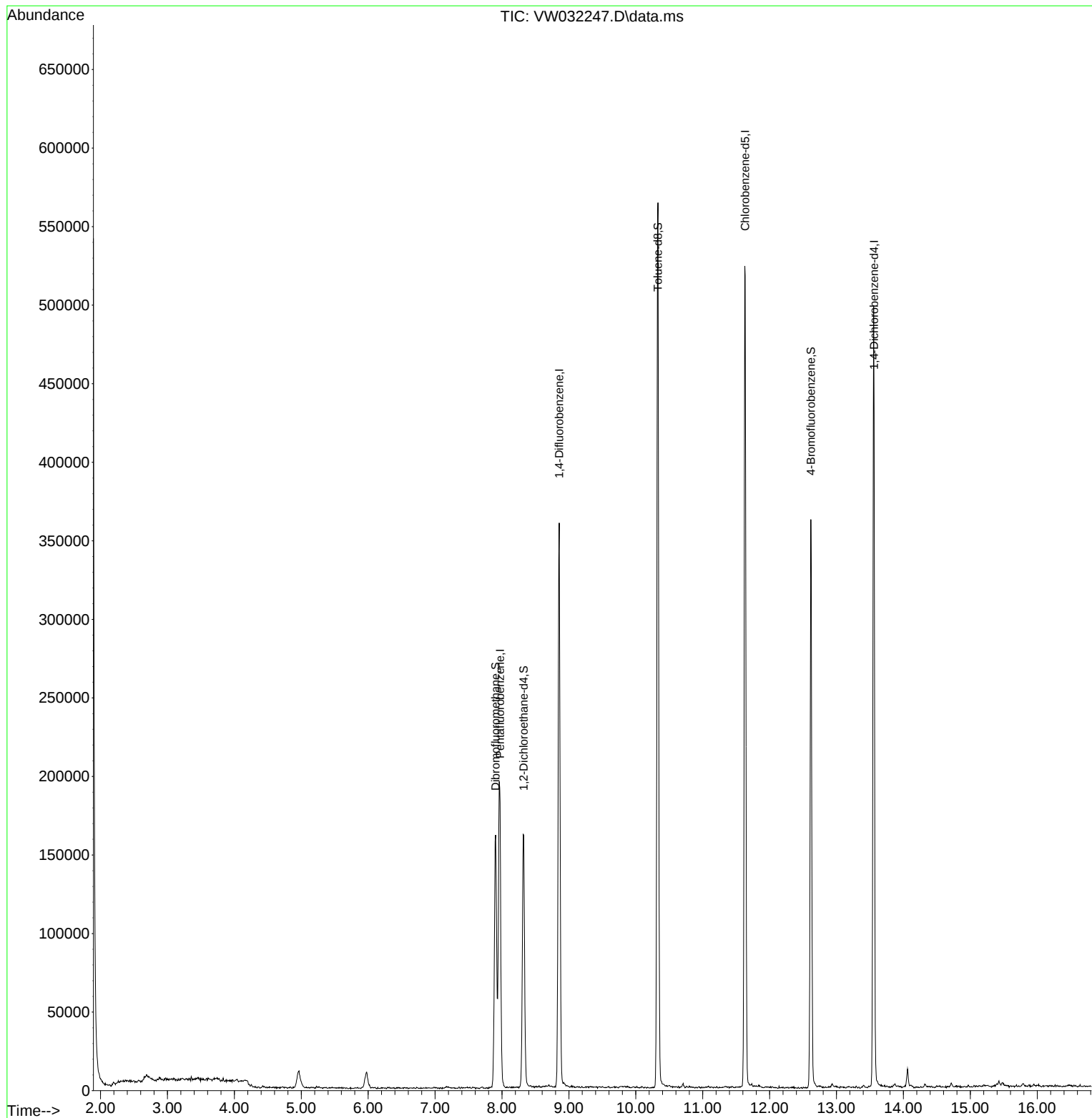
Target Compounds	Qvalue

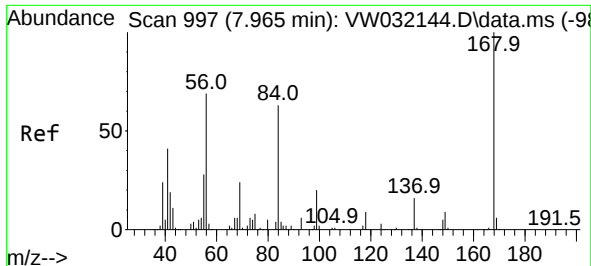
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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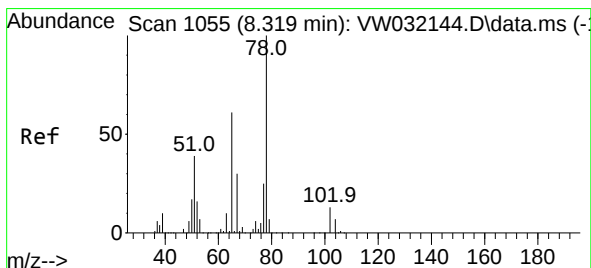
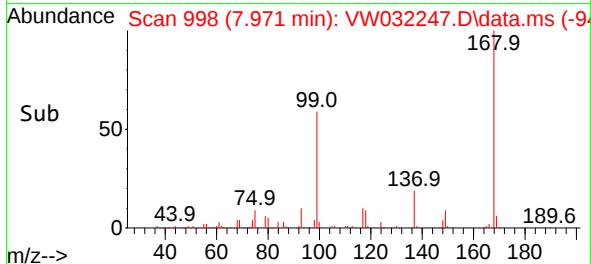
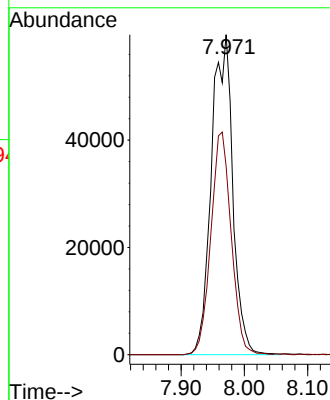
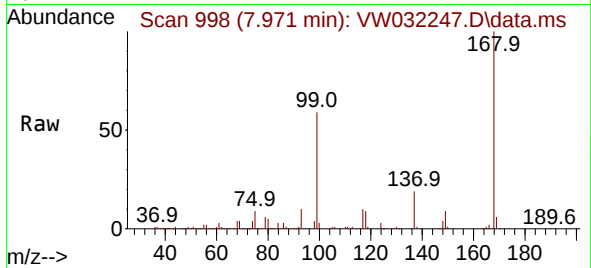




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

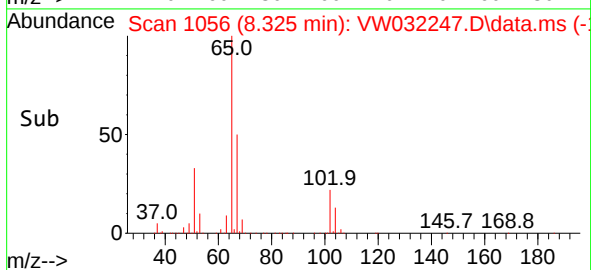
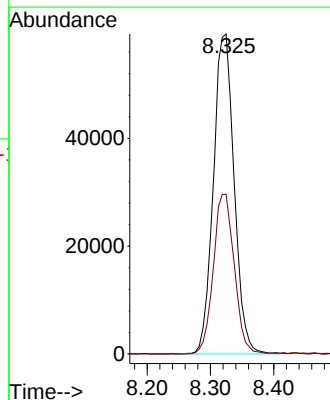
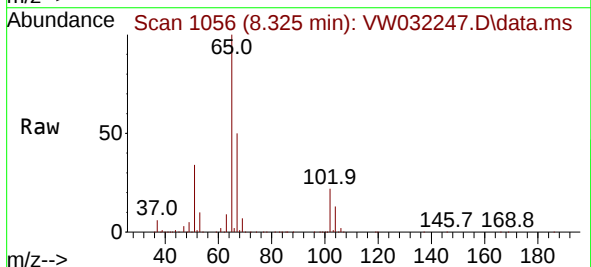
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

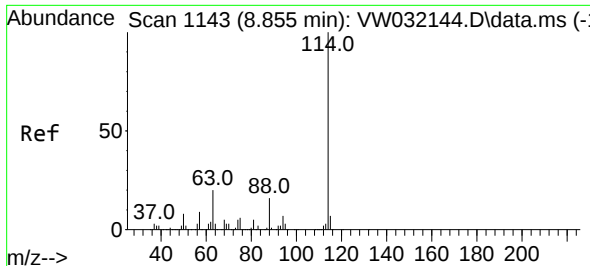
Tgt Ion:168 Resp: 139143
Ion Ratio Lower Upper
168 100
99 58.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 67.998 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion: 65 Resp: 135312
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6

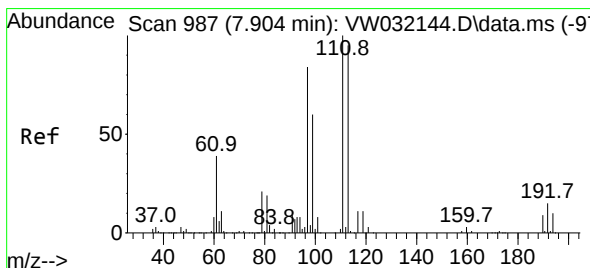
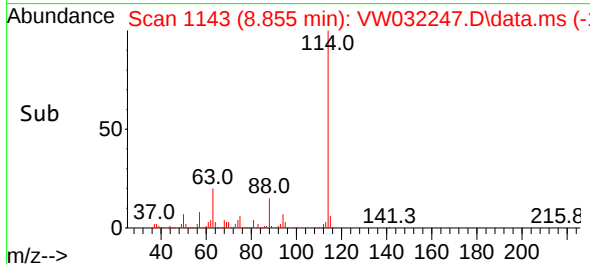
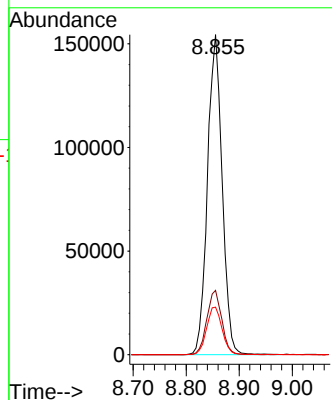
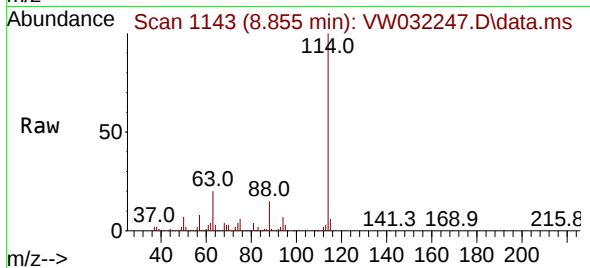




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

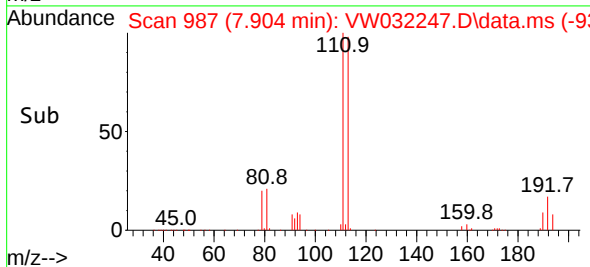
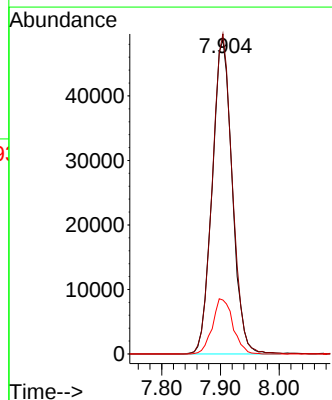
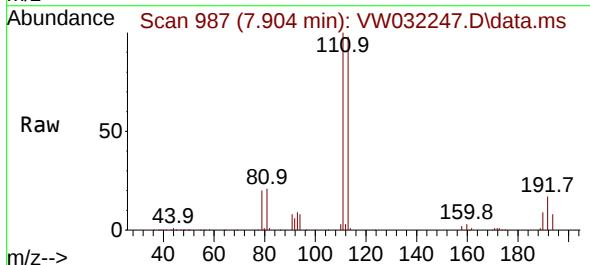
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

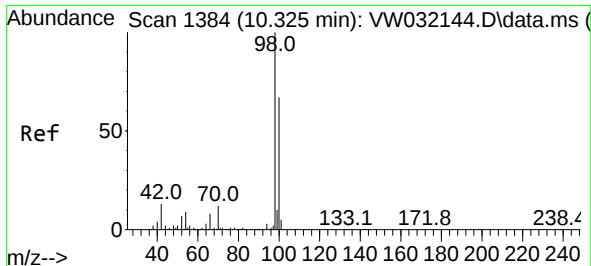
Tgt Ion:114 Resp: 296657
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.4
88 14.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 55.482 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion:113 Resp: 115476
Ion Ratio Lower Upper
113 100
111 101.3 83.9 125.9
192 17.8 14.6 21.8

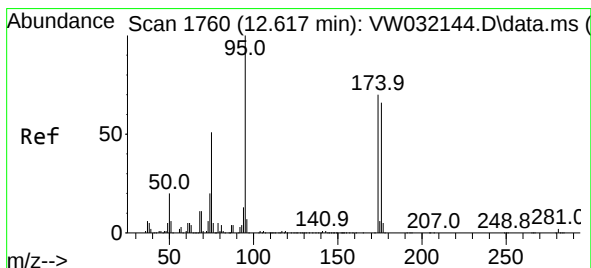
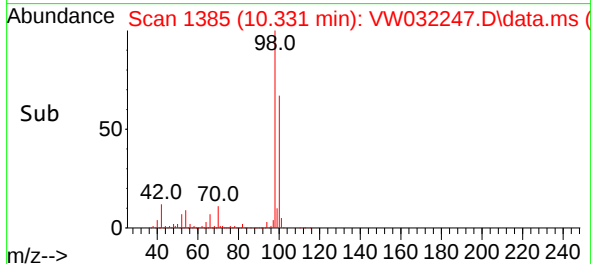
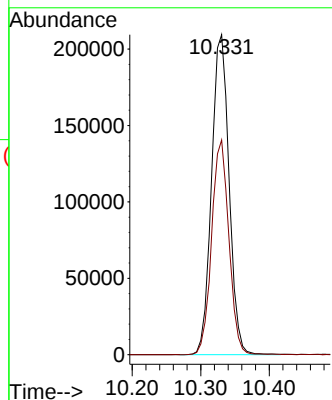
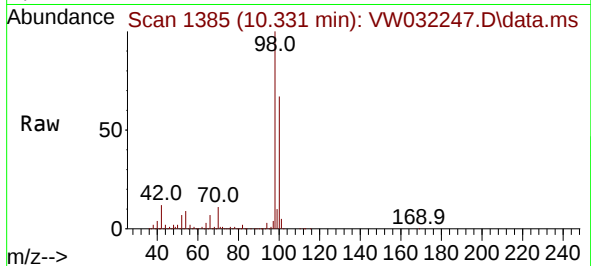




#50
Toluene-d8
Concen: 50.728 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

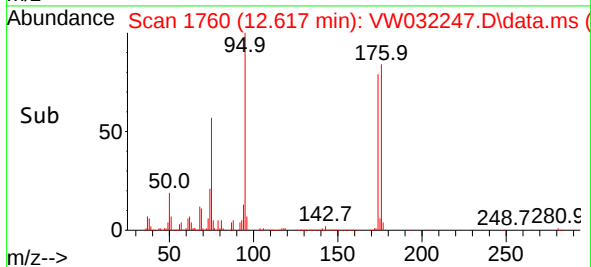
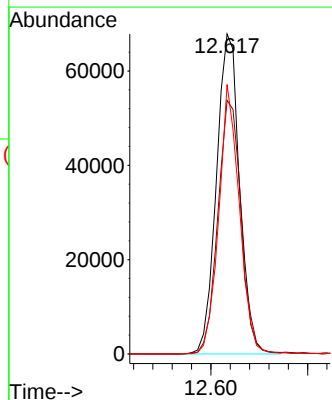
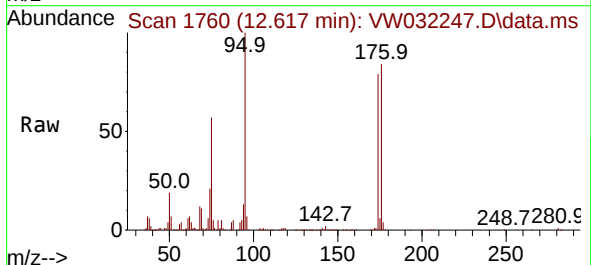
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-02

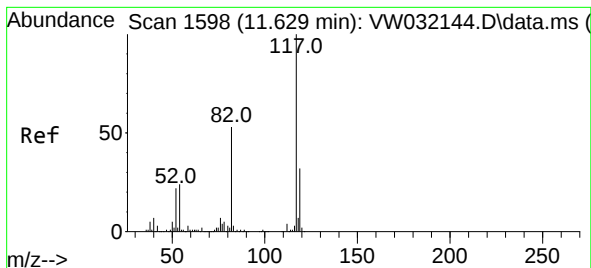
Tgt Ion: 98 Resp: 370641
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 41.602 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032247.D
Acq: 24 Sep 2025 16:30

Tgt Ion: 95 Resp: 112401
Ion Ratio Lower Upper
95 100
174 79.8 0.0 145.6
176 75.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032247.D

Acq: 24 Sep 2025 16:30

Instrument :

MSVOA_W

ClientSampleId :

EME-TS14-02

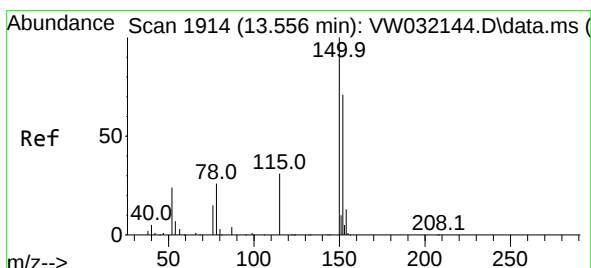
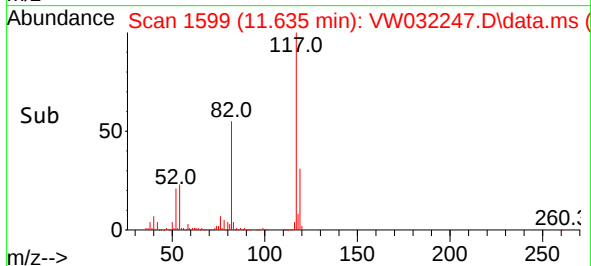
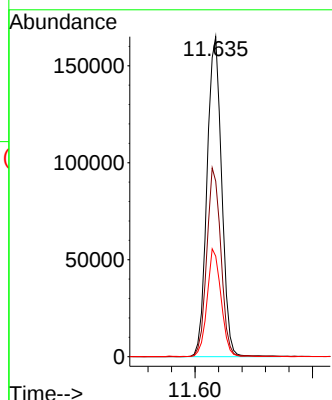
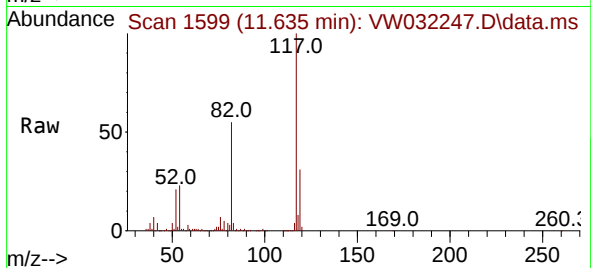
Tgt Ion:117 Resp: 285057

Ion Ratio Lower Upper

117 100

82 54.8 42.7 64.1

119 31.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.562 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW032247.D

Acq: 24 Sep 2025 16:30

Tgt Ion:152 Resp: 124449

Ion Ratio Lower Upper

152 100

115 63.9 31.8 95.4

150 158.2 0.0 343.0

