

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032011.D
 Acq On : 05 Aug 2025 14:37
 Operator : SY/MD
 Sample : Q2774-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 256

Quant Time: Aug 06 03:54:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.953	168	117010	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.850	114	236230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	220618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	96070	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	86998	49.150	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	98.300%
35) Dibromofluoromethane	7.898	113	76854	47.878	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.760%
50) Toluene-d8	10.325	98	277371	45.656	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.320%
62) 4-Bromofluorobenzene	12.617	95	93646	40.144	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.280%

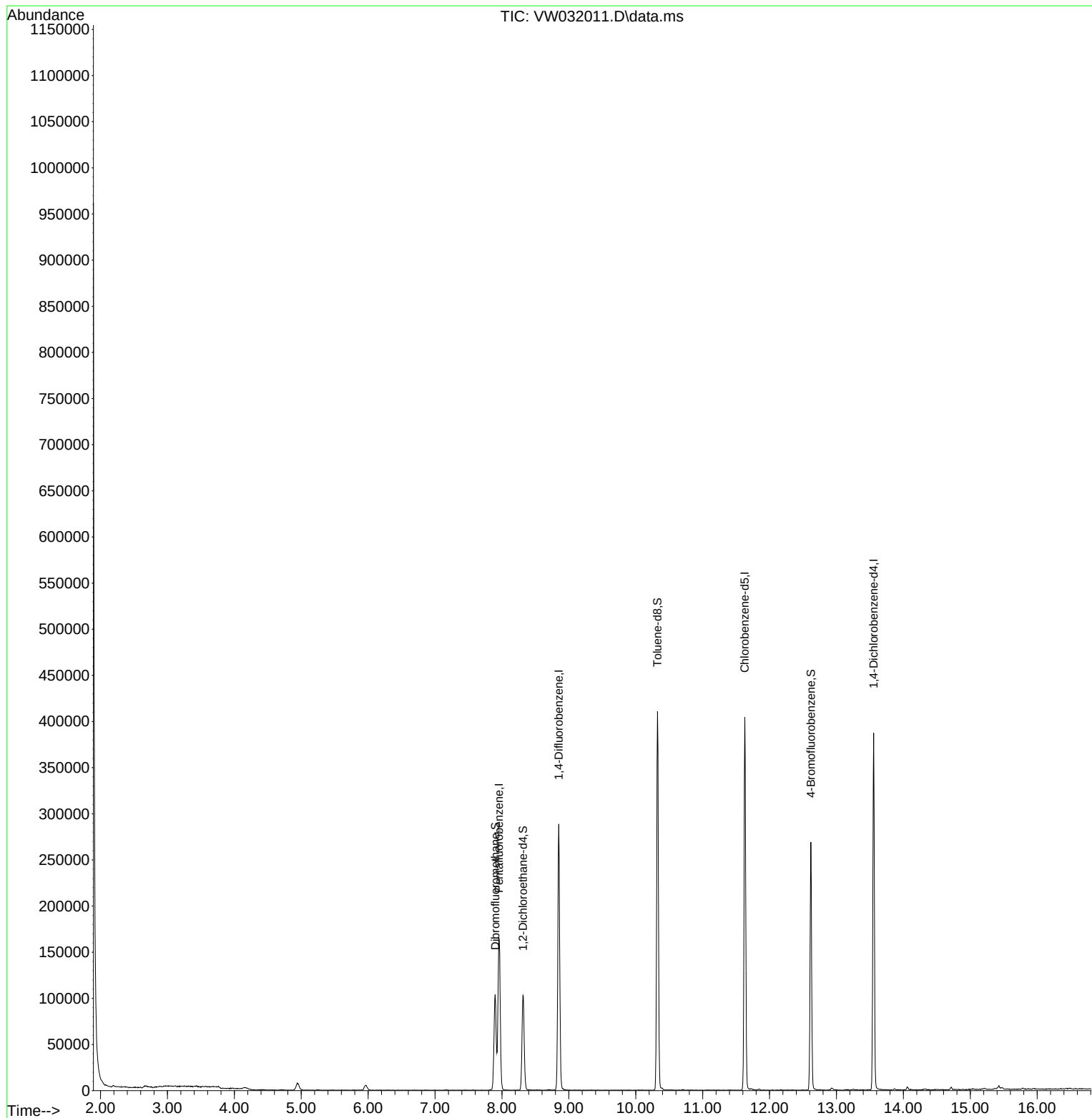
Target Compounds	Qvalue

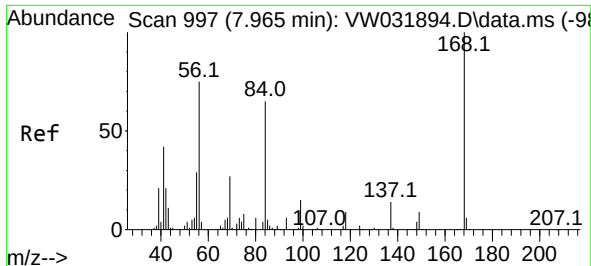
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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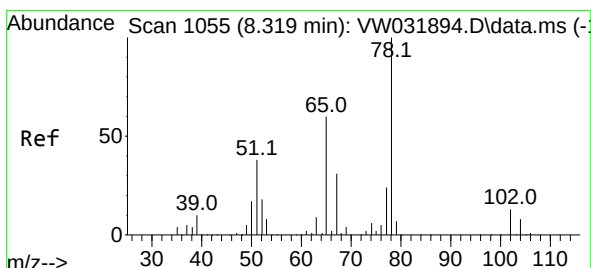
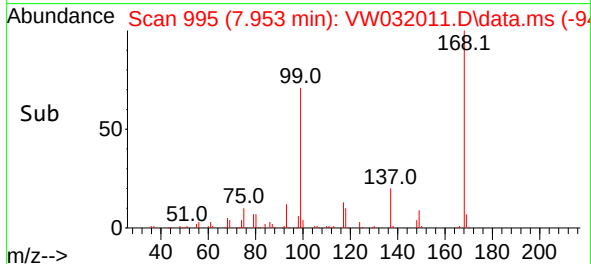
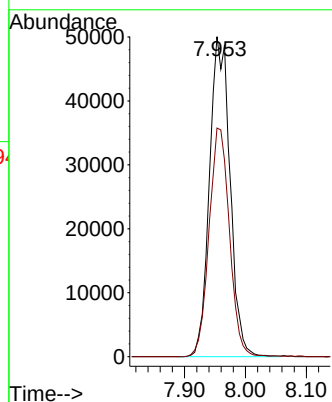
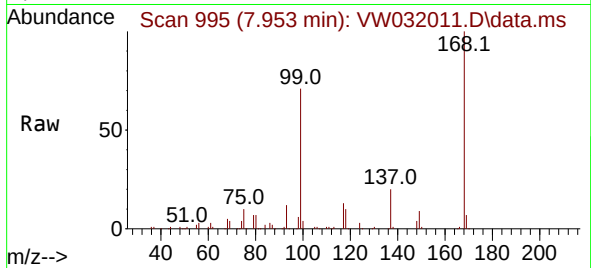




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 997
Delta R.T. -0.012 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

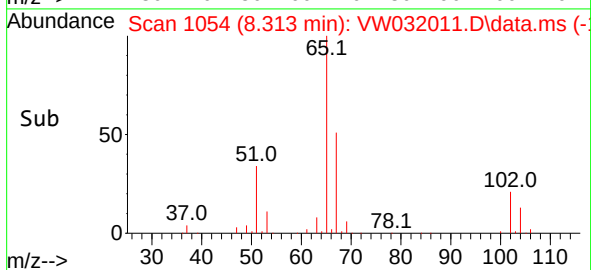
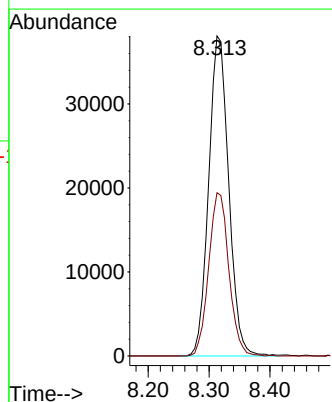
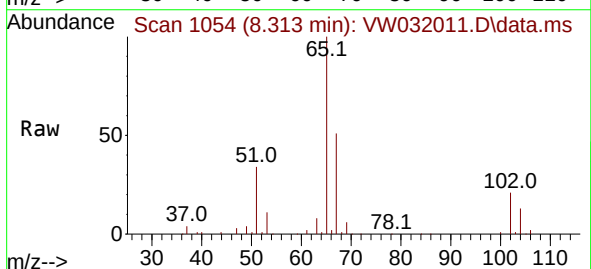
Instrument :
MSVOA_W
ClientSampleId :
256

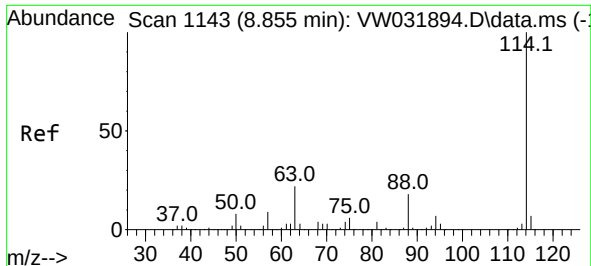
Tgt Ion:168 Resp: 117010
Ion Ratio Lower Upper
168 100
99 71.5 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 49.150 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

Tgt Ion: 65 Resp: 86998
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.850 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

Instrument :

MSVOA_W

ClientSampleId :

256

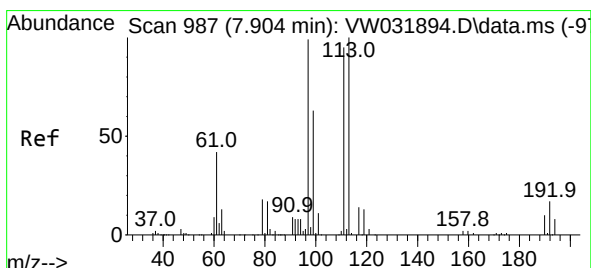
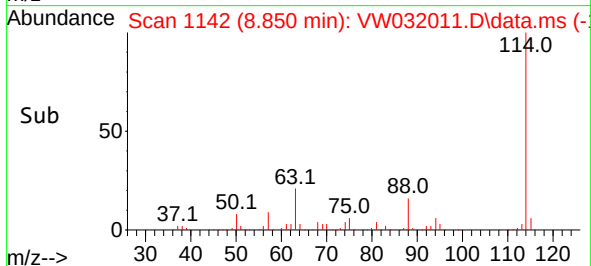
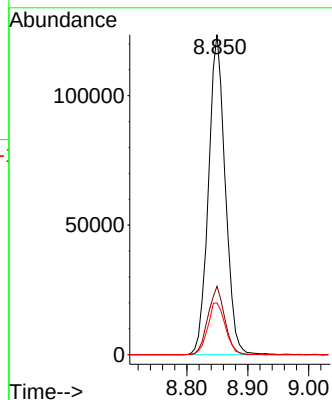
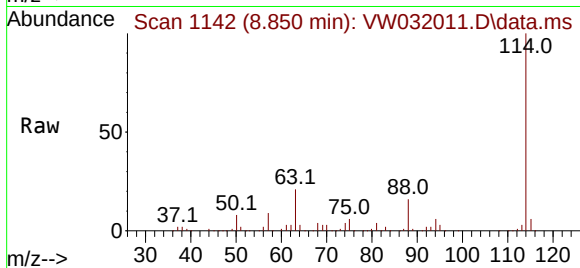
Tgt Ion:114 Resp: 236230

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 16.2 0.0 35.6



#35

Dibromofluoromethane

Concen: 47.878 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

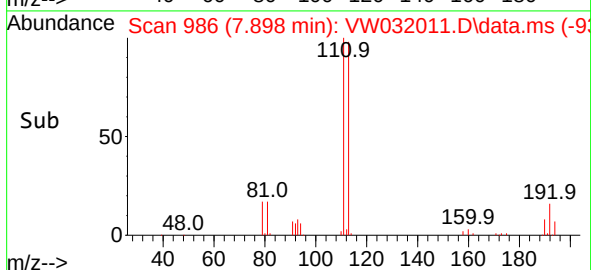
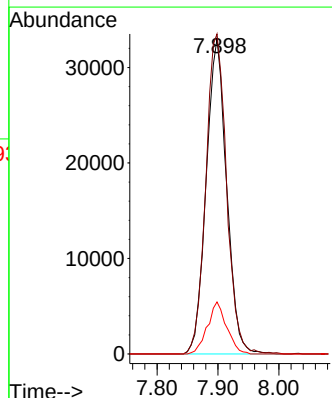
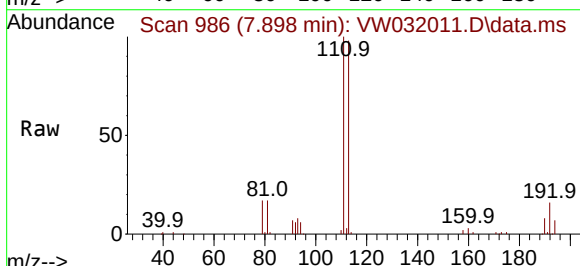
Tgt Ion:113 Resp: 76854

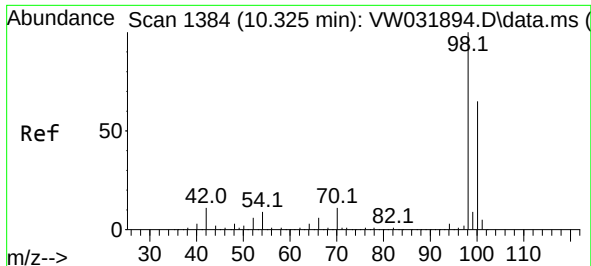
Ion Ratio Lower Upper

113 100

111 103.2 79.9 119.9

192 15.5 12.6 19.0

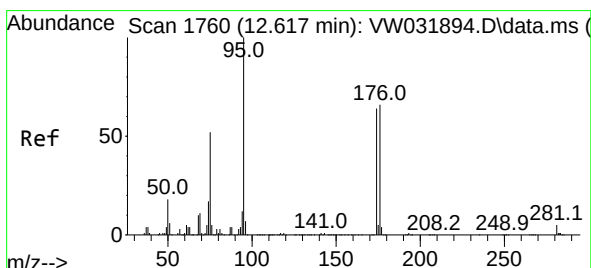
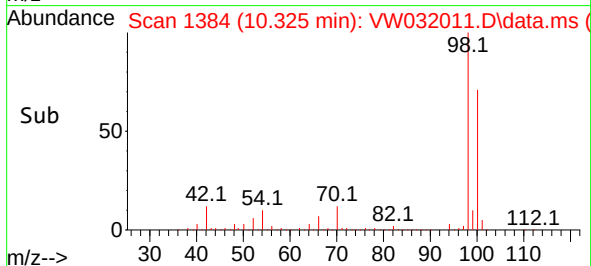
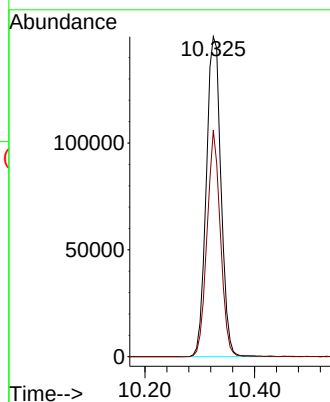
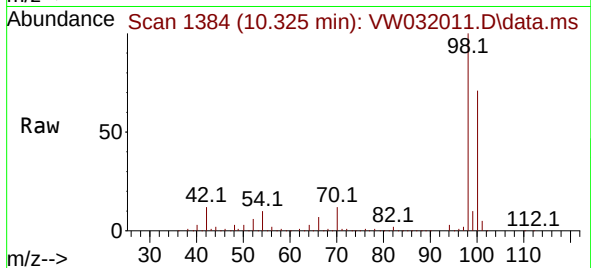




#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

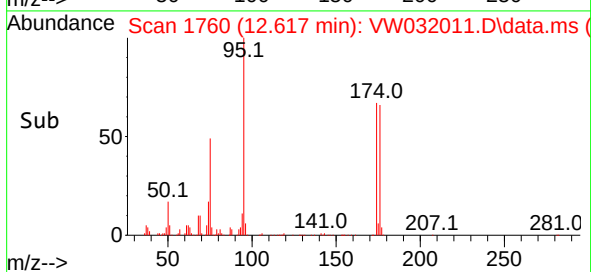
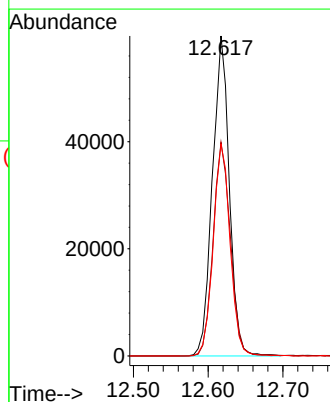
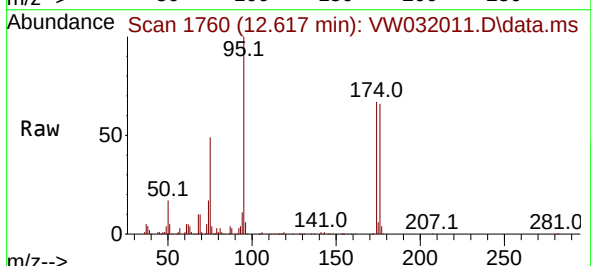
Instrument :
MSVOA_W
ClientSampleId :
256

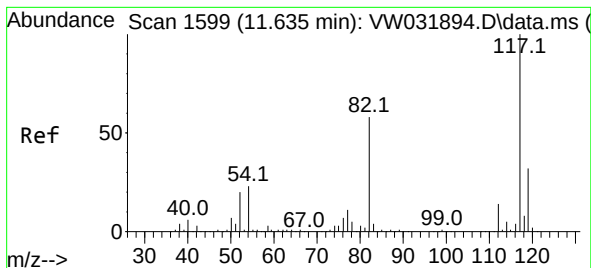
Tgt Ion: 98 Resp: 277371
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.144 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032011.D
Acq: 05 Aug 2025 14:37

Tgt Ion: 95 Resp: 93646
Ion Ratio Lower Upper
95 100
174 68.8 0.0 129.8
176 66.5 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

Instrument :

MSVOA_W

ClientSampleId :

256

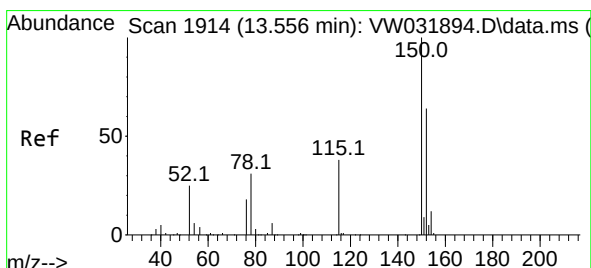
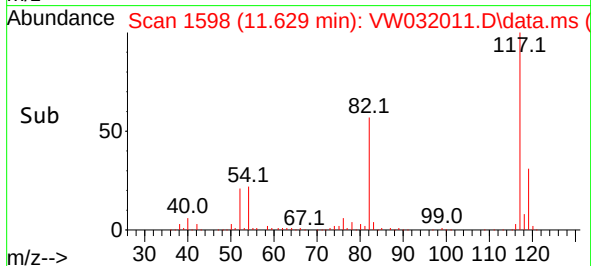
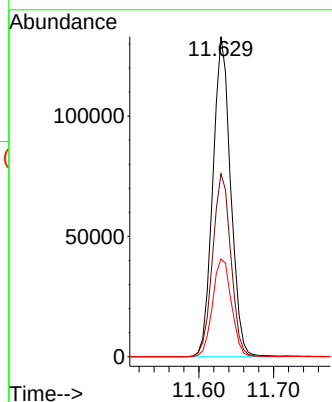
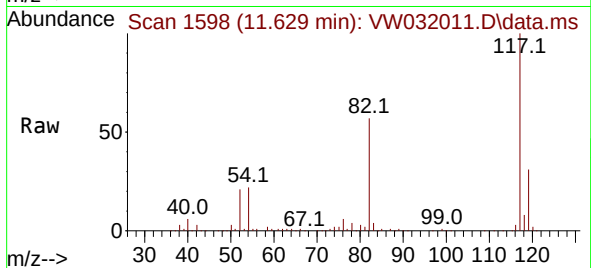
Tgt Ion:117 Resp: 220618

Ion Ratio Lower Upper

117 100

82 57.1 46.5 69.7

119 30.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032011.D

Acq: 05 Aug 2025 14:37

Tgt Ion:152 Resp: 96070

Ion Ratio Lower Upper

152 100

115 66.0 33.4 100.1

150 158.5 0.0 352.2

