

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032016.D
 Acq On : 05 Aug 2025 16:26
 Operator : SY/MD
 Sample : Q2774-13
 Misc : 5.07g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 254

Quant Time: Aug 06 03:56:22 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	7.965	168	180198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	374075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	366978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	178812	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147525	54.119	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.240%
35) Dibromofluoromethane	7.898	113	123701	48.665	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.320%
50) Toluene-d8	10.325	98	472006	49.064	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.617	95	191970	51.968	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	103.940%

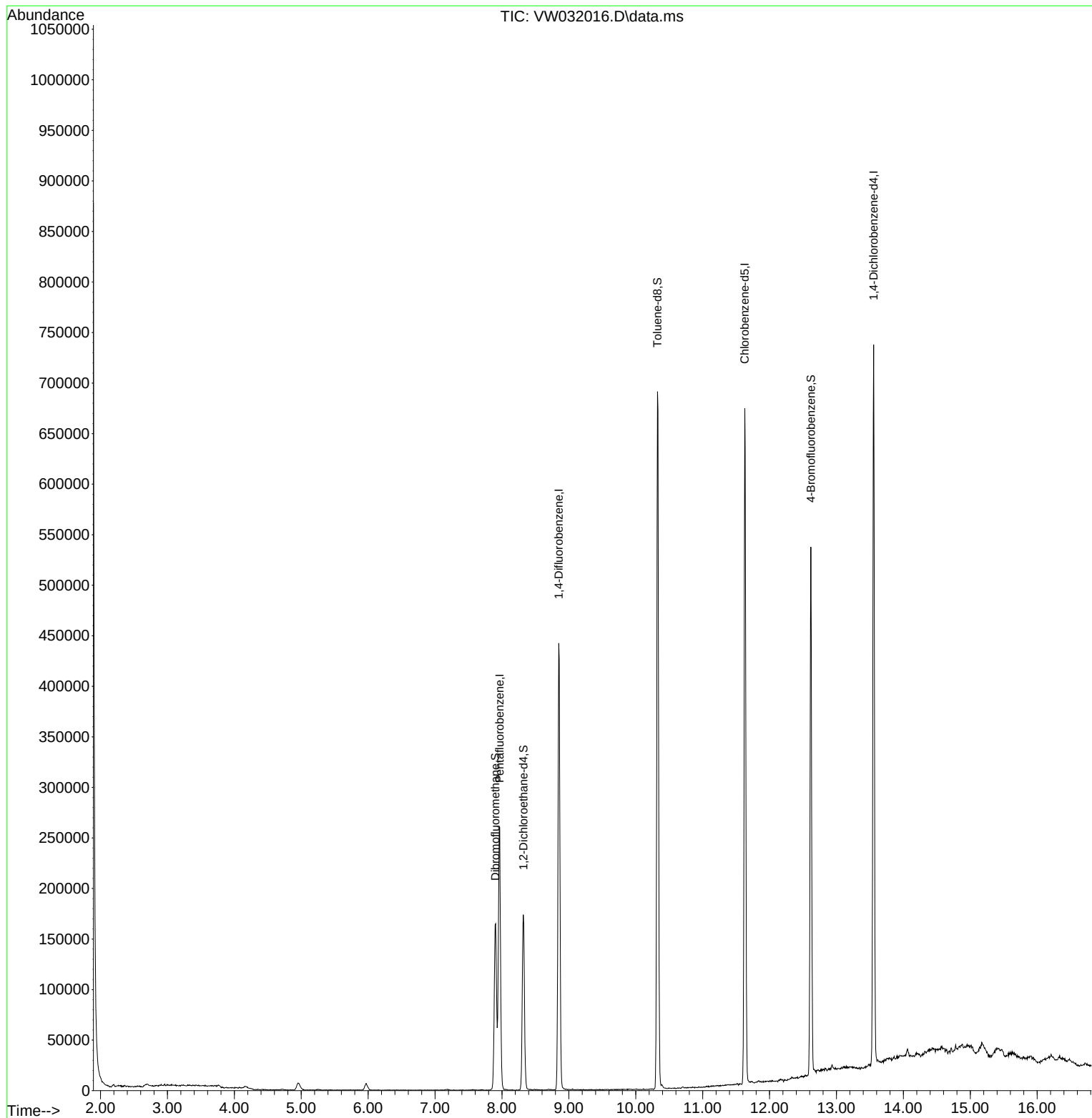
Target Compounds	Qvalue

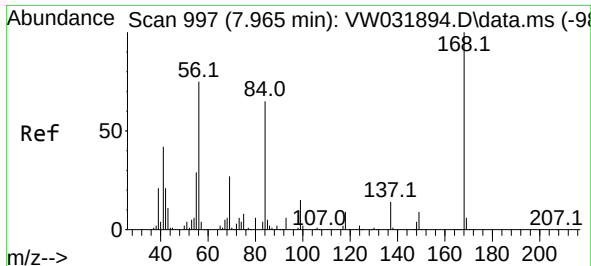
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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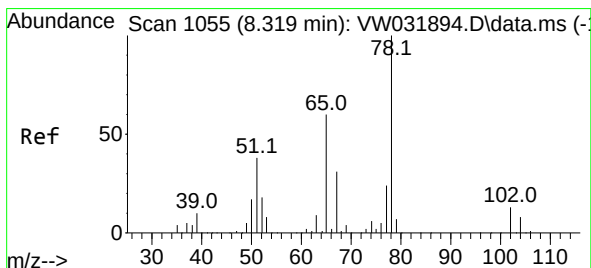
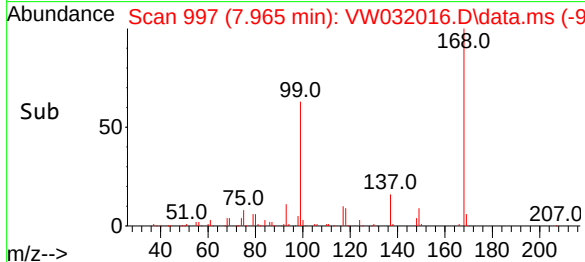
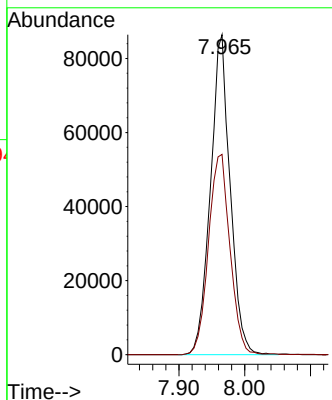
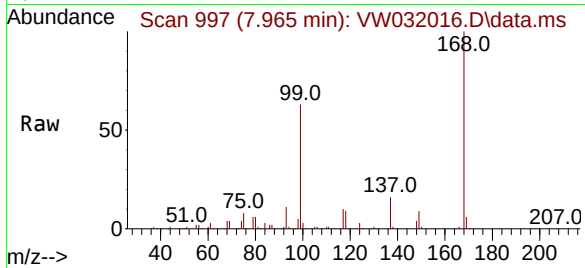




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

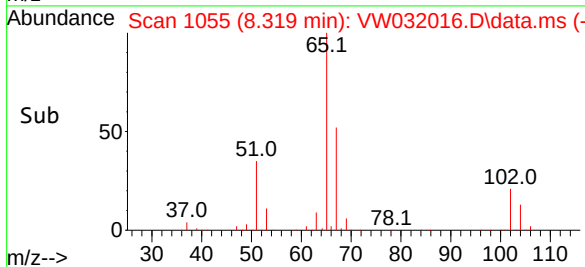
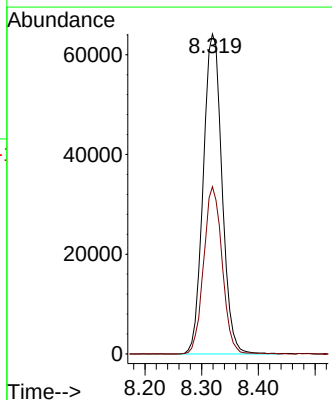
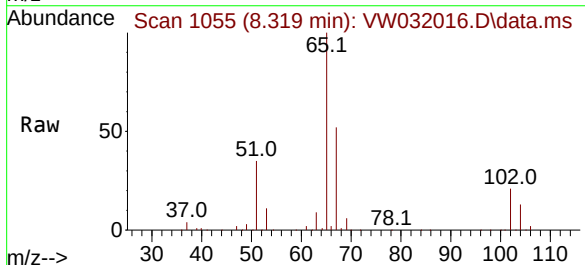
Instrument :
MSVOA_W
ClientSampleId :
254

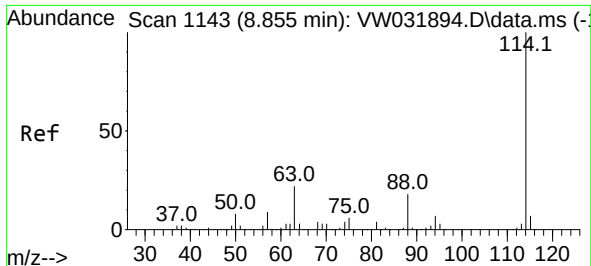
Tgt Ion:168 Resp: 180198
Ion Ratio Lower Upper
168 100
99 62.6 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 54.119 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 65 Resp: 147525
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032016.D

Acq: 05 Aug 2025 16:26

Instrument :

MSVOA_W

ClientSampleId :

254

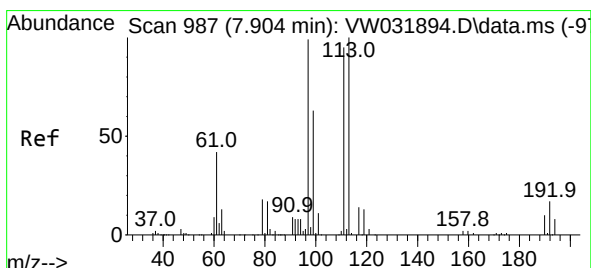
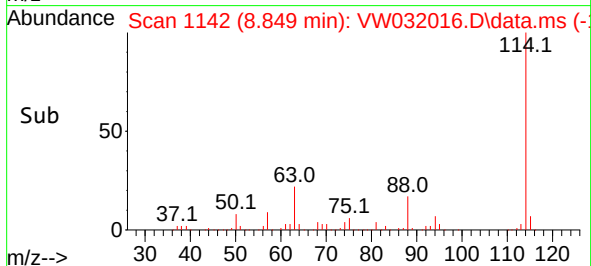
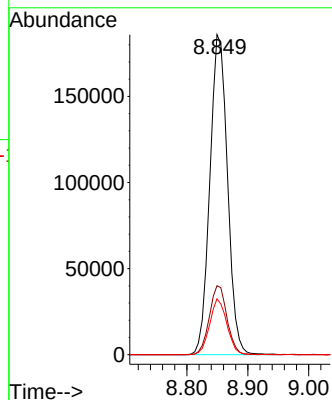
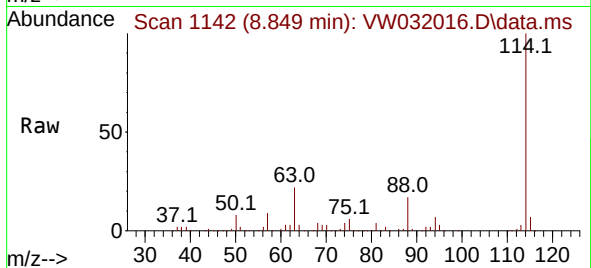
Tgt Ion:114 Resp: 374075

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.2

88 17.4 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.665 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032016.D

Acq: 05 Aug 2025 16:26

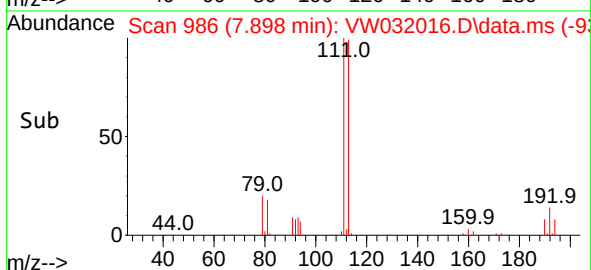
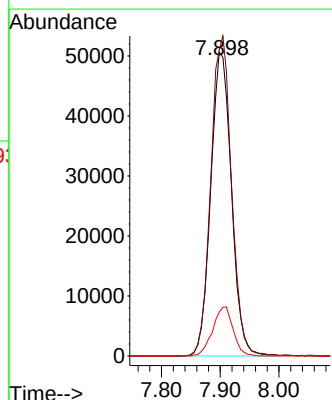
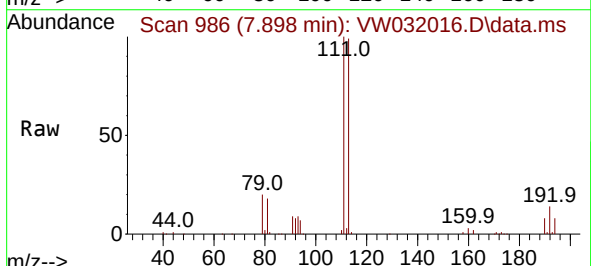
Tgt Ion:113 Resp: 123701

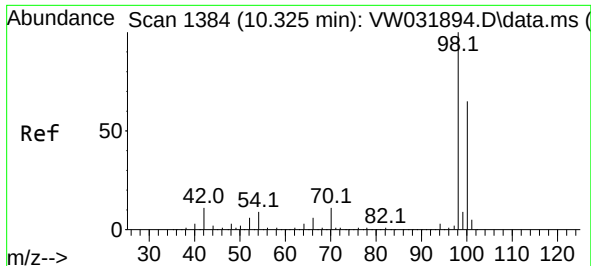
Ion Ratio Lower Upper

113 100

111 105.5 79.9 119.9

192 15.9 12.6 19.0

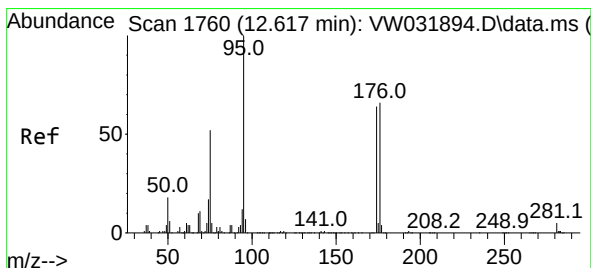
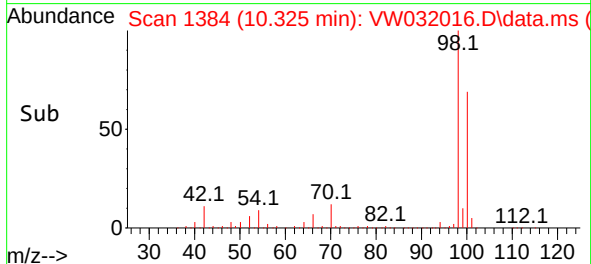
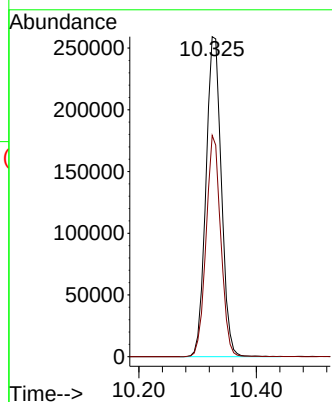
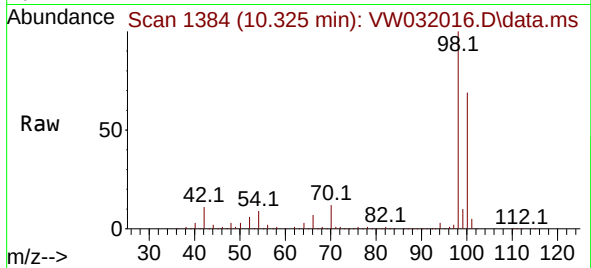




#50
Toluene-d8
Concen: 49.064 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

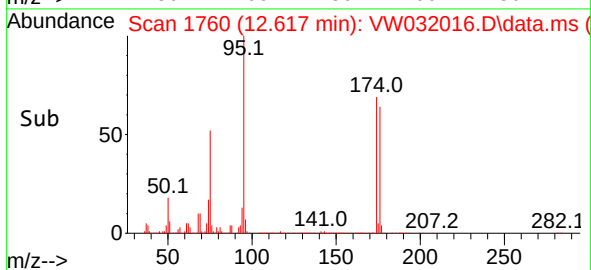
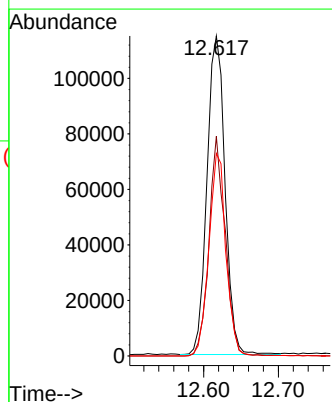
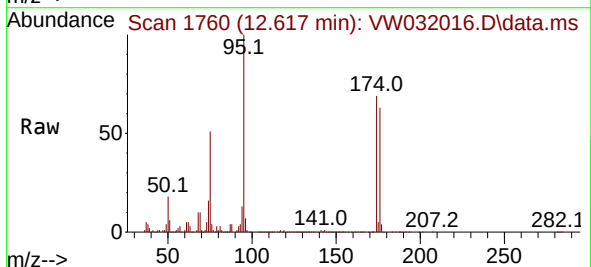
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254

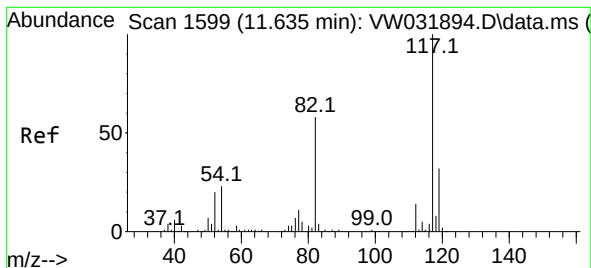
Tgt Ion: 98 Resp: 472006
Ion Ratio Lower Upper
98 100
100 66.1 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 51.968 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032016.D
Acq: 05 Aug 2025 16:26

Tgt Ion: 95 Resp: 191970
Ion Ratio Lower Upper
95 100
174 62.1 0.0 129.8
176 60.7 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: VW032016.D

Acq: 05 Aug 2025 16:26

Instrument :

MSVOA_W

ClientSampleId :

254

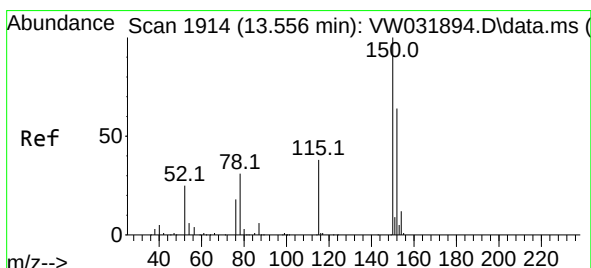
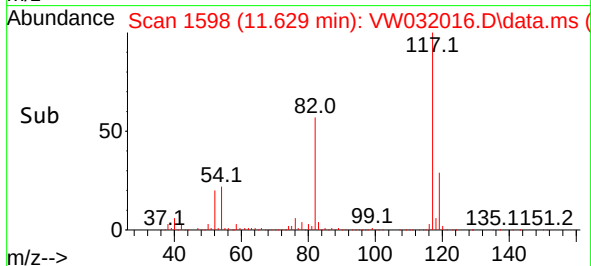
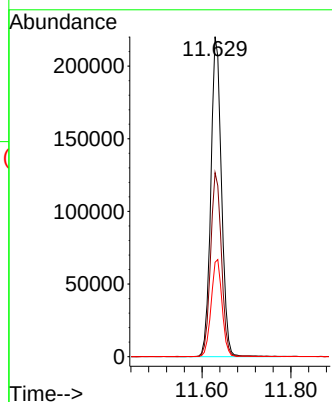
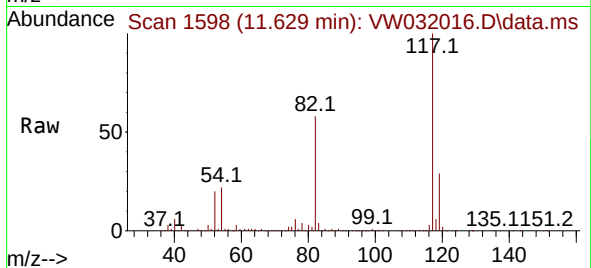
Tgt Ion:117 Resp: 366978

Ion Ratio Lower Upper

117 100

82 57.5 46.5 69.7

119 29.4 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: VW032016.D

Acq: 05 Aug 2025 16:26

Tgt Ion:152 Resp: 178812

Ion Ratio Lower Upper

152 100

115 65.7 33.4 100.1

150 158.5 0.0 352.2

