

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032027.D
 Acq On : 06 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2783-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT5414

Quant Time: Aug 07 02:19:21 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	177746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	378625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167910	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135602	50.431	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.860%
35) Dibromofluoromethane	7.898	113	118969	46.241	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.480%
50) Toluene-d8	10.325	98	449258	46.138	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.280%
62) 4-Bromofluorobenzene	12.617	95	159640	42.697	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	85.400%

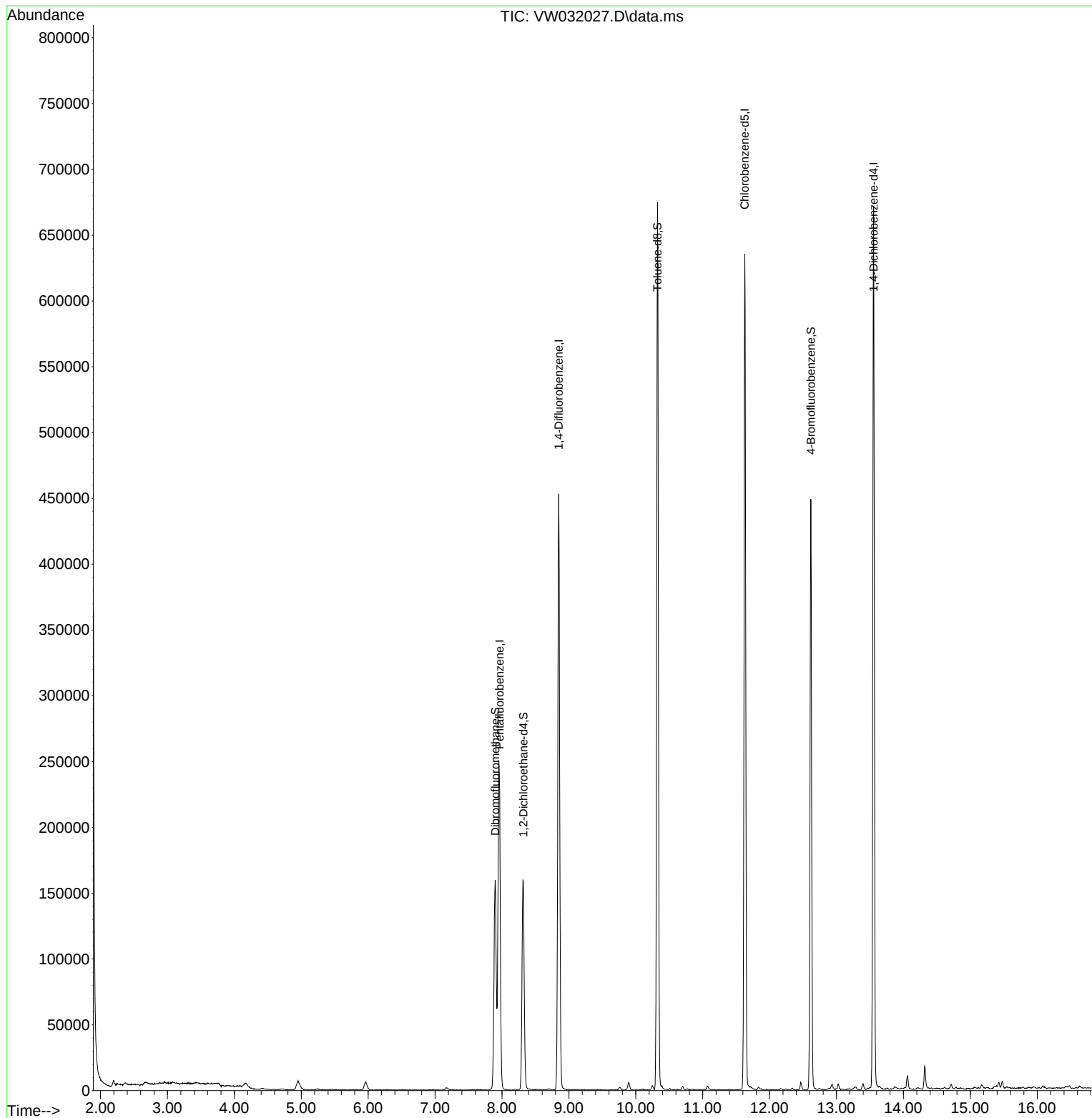
Target Compounds	Qvalue

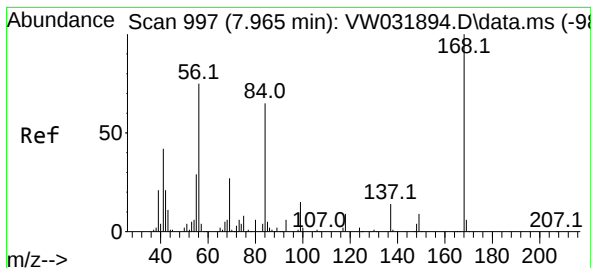
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.000 min

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Instrument :

MSVOA_W

ClientSampleId :

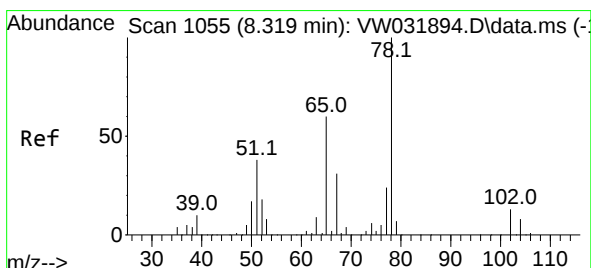
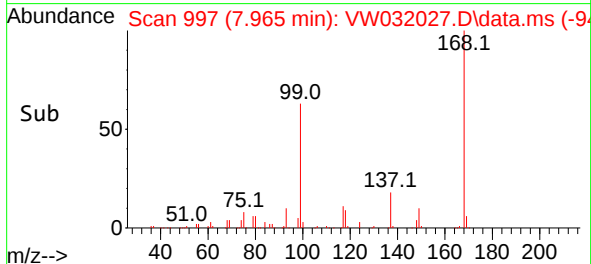
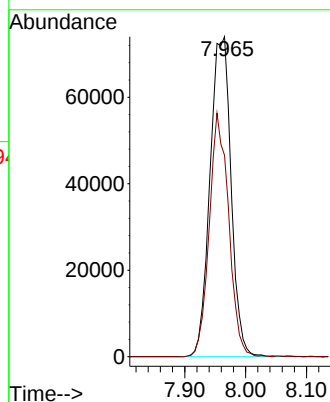
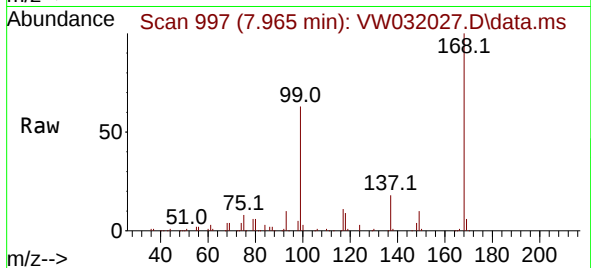
RT5414

Tgt Ion:168 Resp: 177746

Ion Ratio Lower Upper

168 100

99 63.0 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 50.431 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032027.D

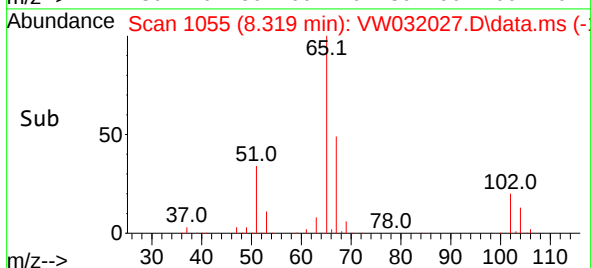
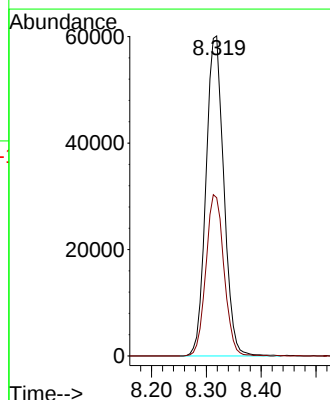
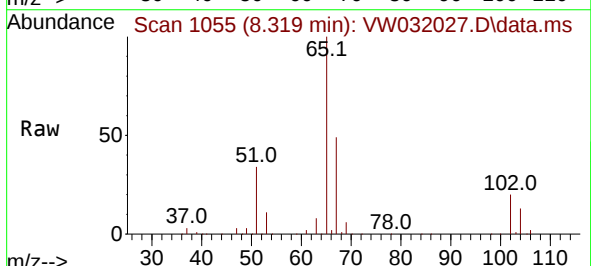
Acq: 06 Aug 2025 13:09

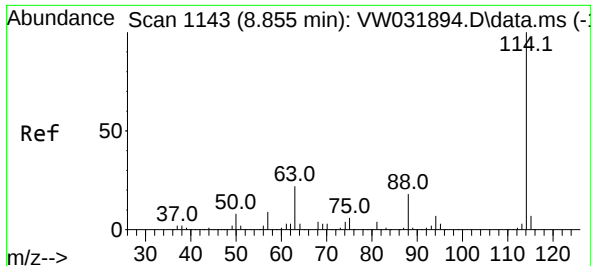
Tgt Ion: 65 Resp: 135602

Ion Ratio Lower Upper

65 100

67 51.2 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: VW032027.D

Acq: 06 Aug 2025 13:09

Instrument :

MSVOA_W

ClientSampleId :

RT5414

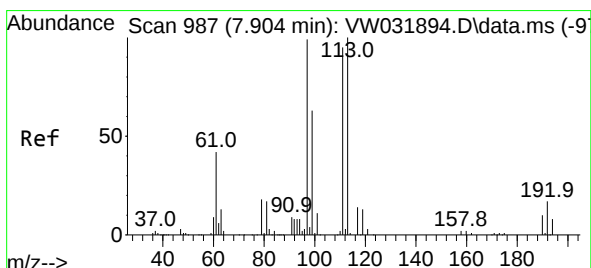
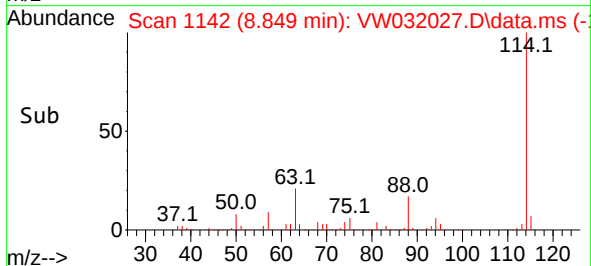
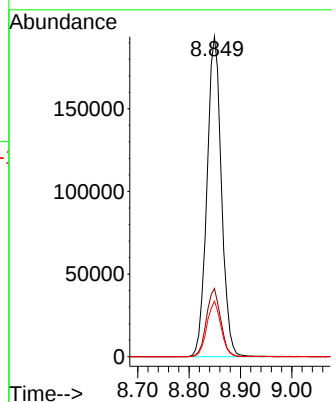
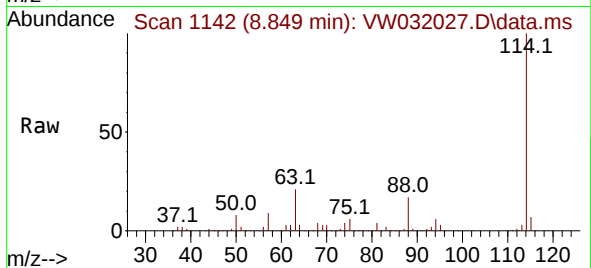
Tgt Ion:114 Resp: 378625

Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.2

88 17.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.241 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032027.D

Acq: 06 Aug 2025 13:09

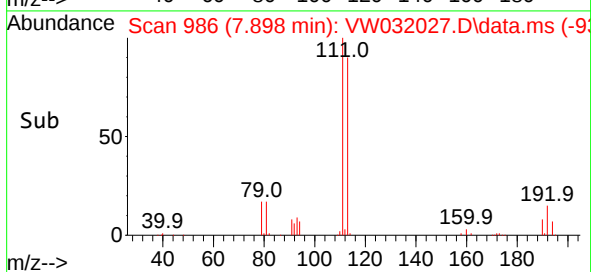
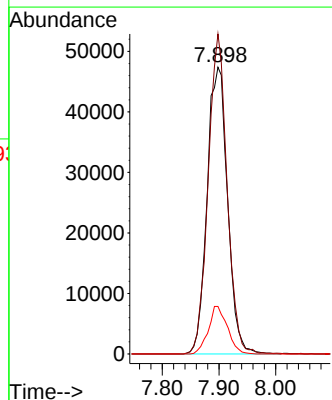
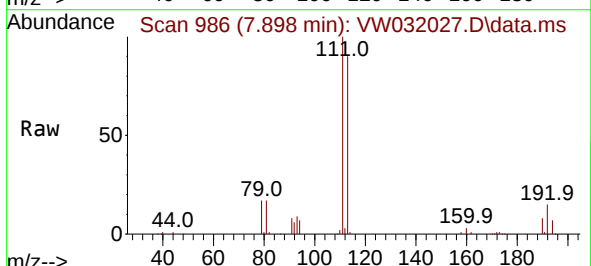
Tgt Ion:113 Resp: 118969

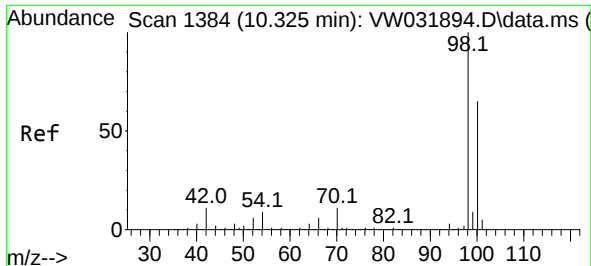
Ion Ratio Lower Upper

113 100

111 103.2 79.9 119.9

192 15.4 12.6 19.0

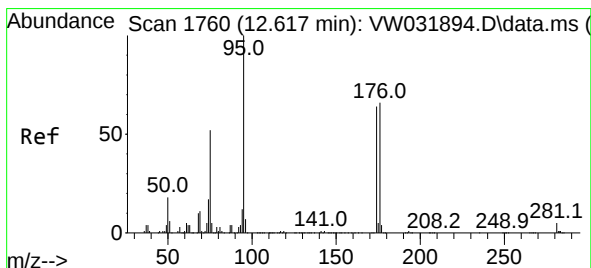
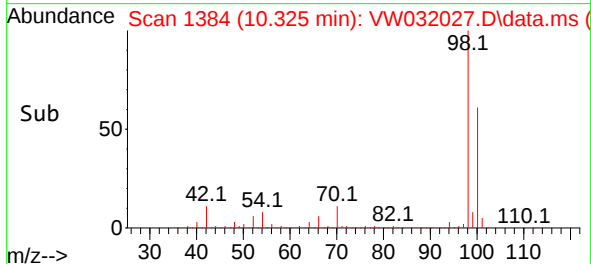
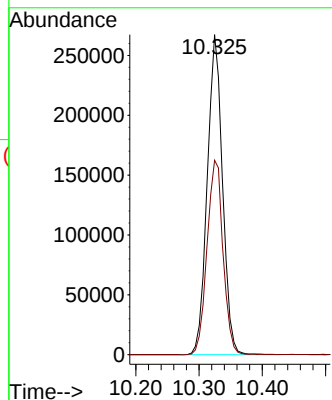
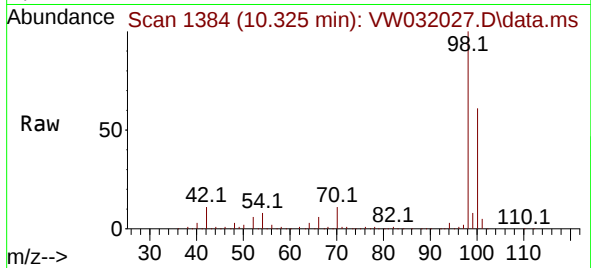




#50
Toluene-d8
Concen: 46.138 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

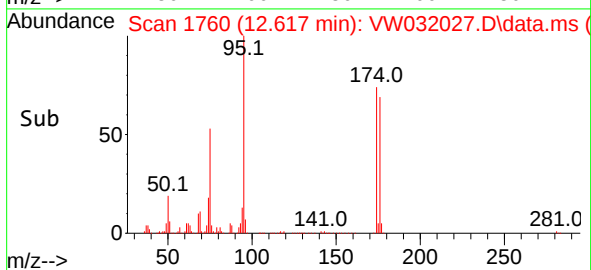
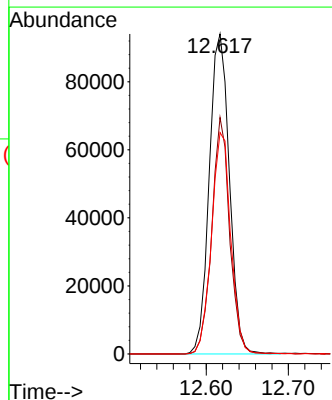
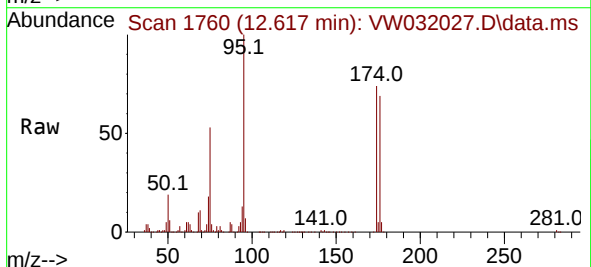
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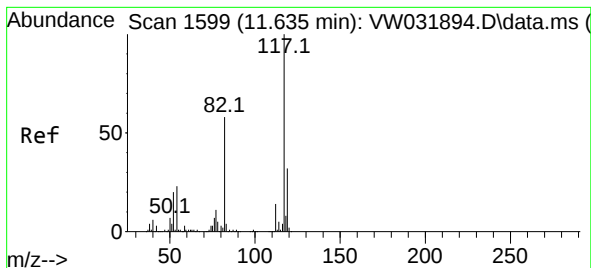
Tgt Ion: 98 Resp: 449258
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.697 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Tgt Ion: 95 Resp: 159640
Ion Ratio Lower Upper
95 100
174 65.8 0.0 129.8
176 66.6 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: VW032027.D

Acq: 06 Aug 2025 13:09

Instrument :

MSVOA_W

ClientSampleId :

RT5414

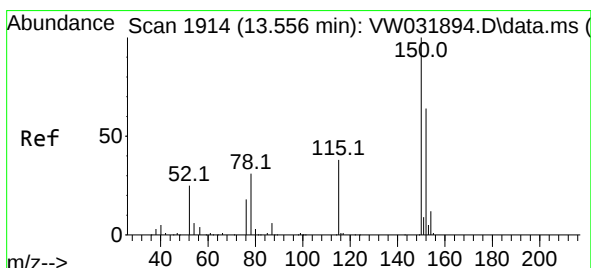
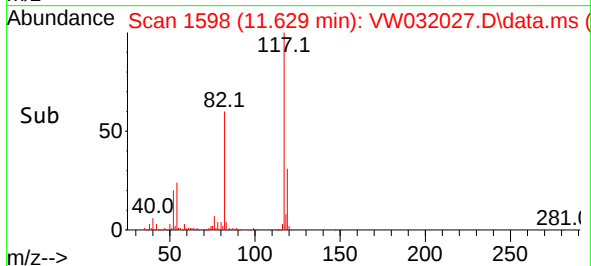
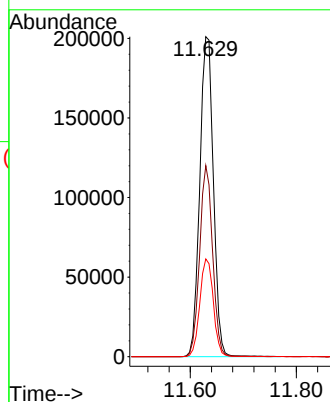
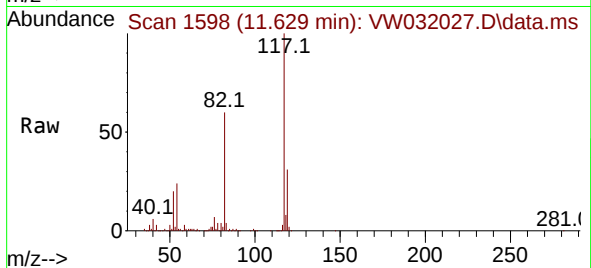
Tgt Ion:117 Resp: 358545

Ion Ratio Lower Upper

117 100

82 59.7 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: VW032027.D

Acq: 06 Aug 2025 13:09

Tgt Ion:152 Resp: 167910

Ion Ratio Lower Upper

152 100

115 66.4 33.4 100.1

150 158.3 0.0 352.2

