

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032076.D
 Acq On : 11 Aug 2025 18:47
 Operator : SY/MD
 Sample : Q2819-06
 Misc : 5.71g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 11M-S

Quant Time: Aug 12 04:29:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	165877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	348126	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	337870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	150514	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127564	53.173	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	106.340%
35) Dibromofluoromethane	7.904	113	117342	52.174	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.340%
50) Toluene-d8	10.325	98	418630	50.325	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.660%
62) 4-Bromofluorobenzene	12.617	95	157097	51.247	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	102.500%

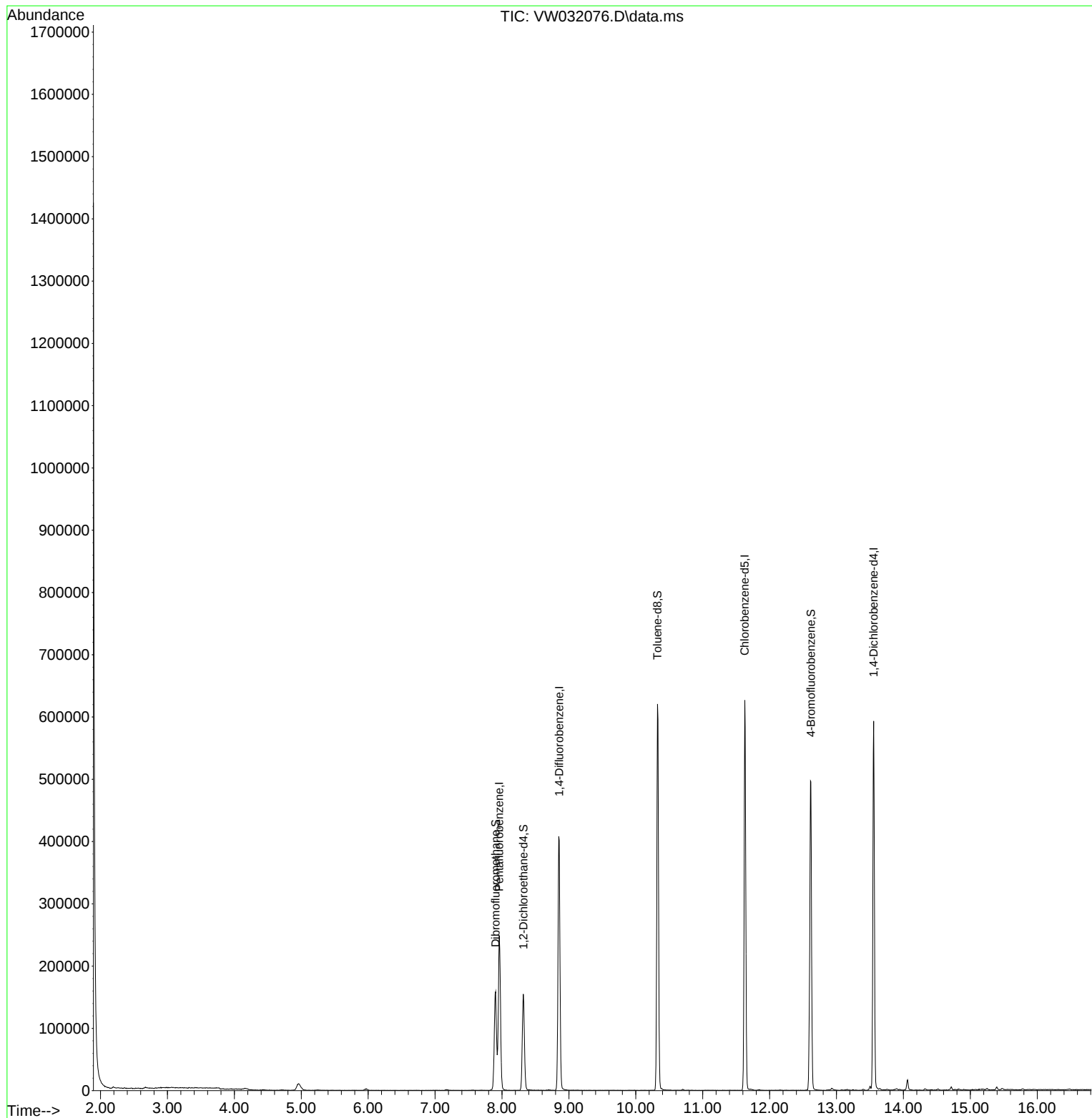
Target Compounds	Qvalue

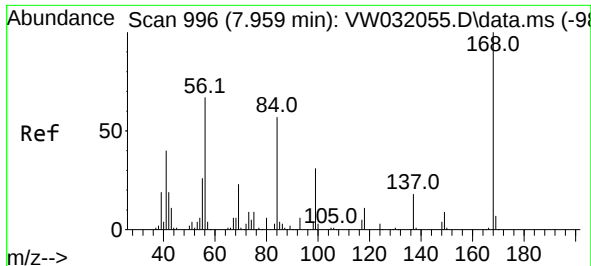
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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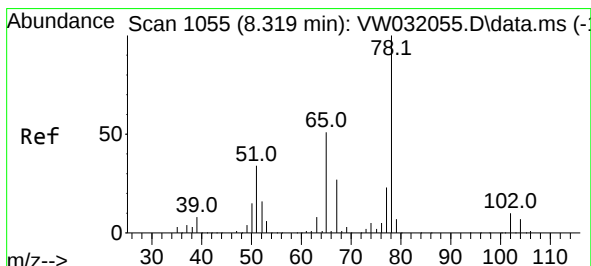
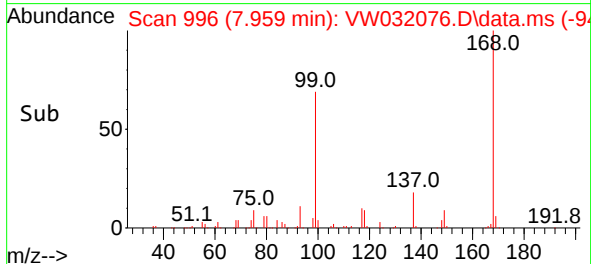
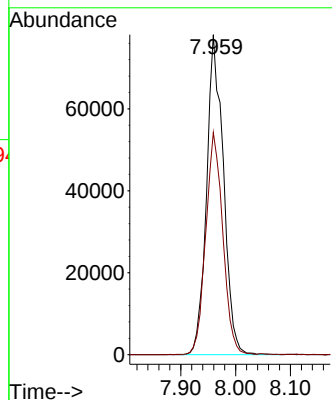
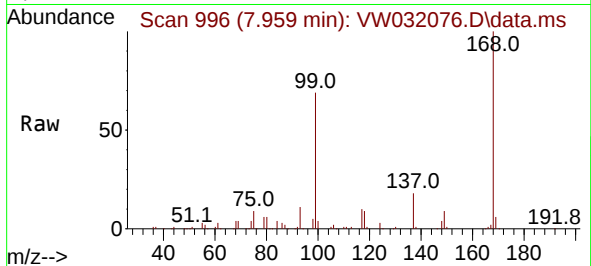




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

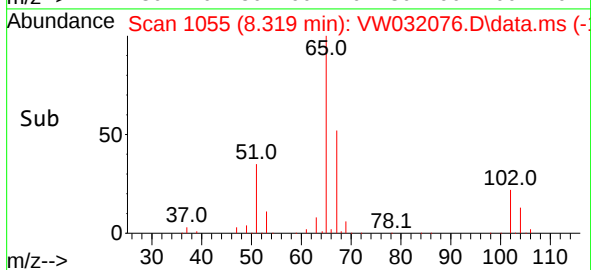
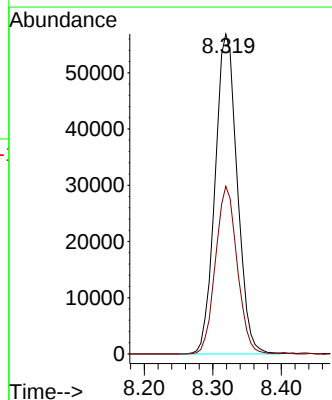
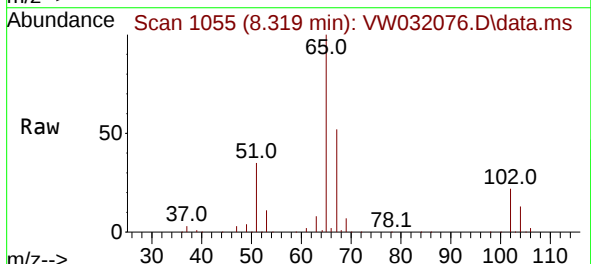
Instrument :
MSVOA_W
ClientSampleId :
11M-S

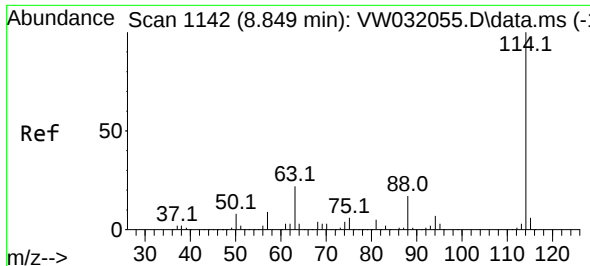
Tgt Ion:168 Resp: 165877
Ion Ratio Lower Upper
168 100
99 69.3 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 53.173 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 65 Resp: 127564
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4

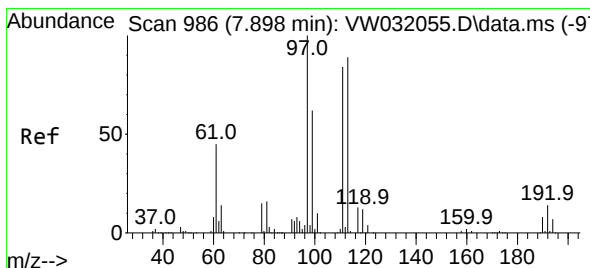
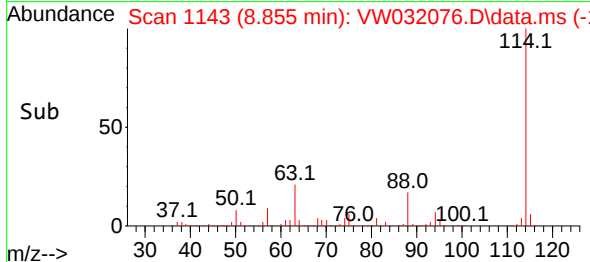
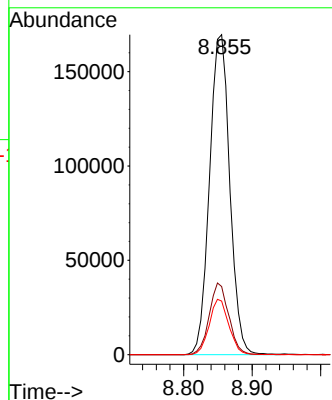
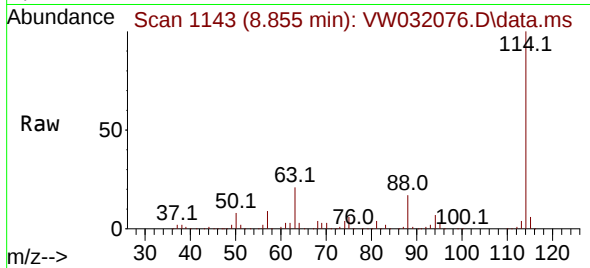




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032076.D
 Acq: 11 Aug 2025 18:47

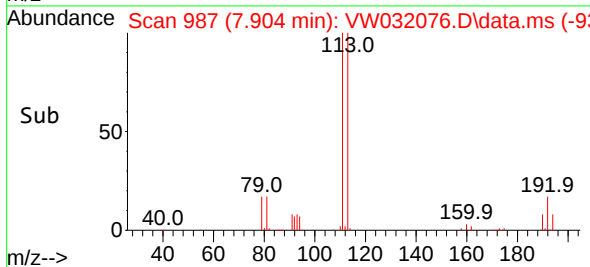
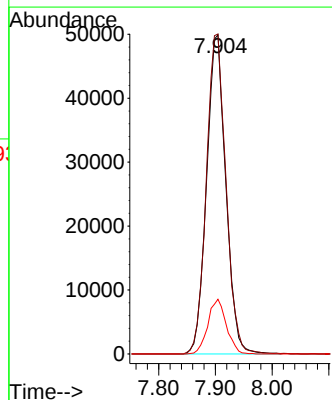
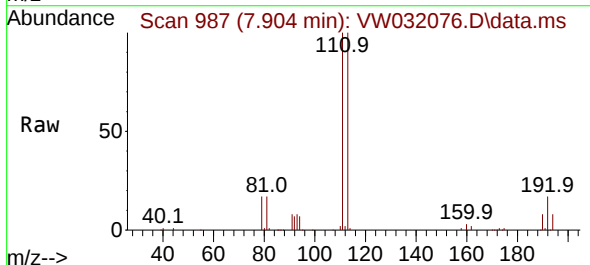
Instrument :
 MSVOA_W
 ClientSampleId :
 11M-S

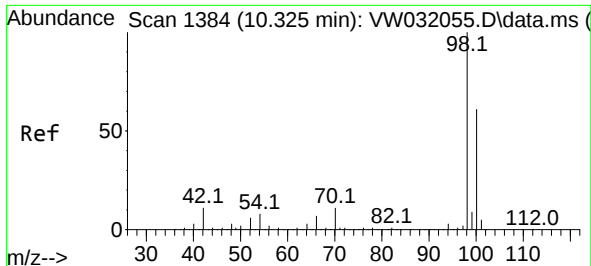
Tgt Ion:114 Resp: 348126
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 52.174 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.006 min
 Lab File: VW032076.D
 Acq: 11 Aug 2025 18:47

Tgt Ion:113 Resp: 117342
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.1 120.1
 192 16.5 13.1 19.7

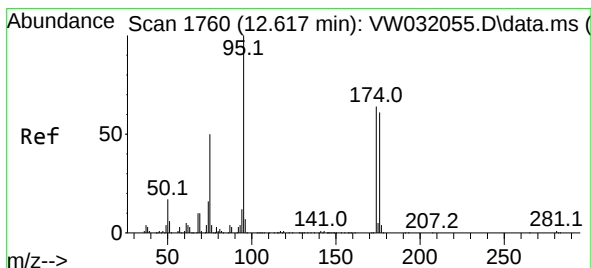
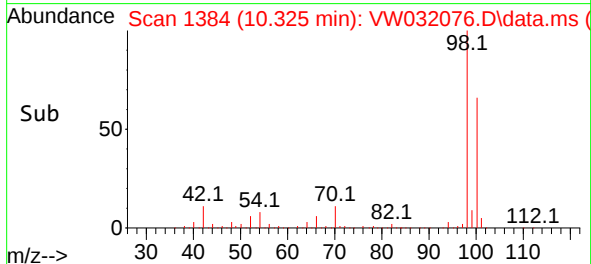
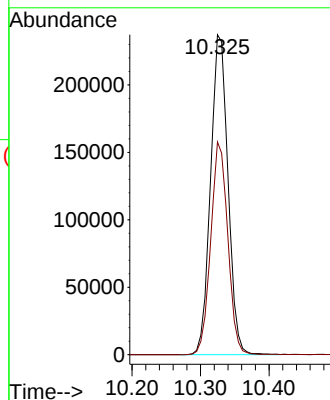
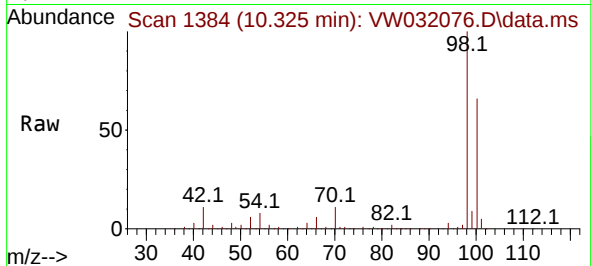




#50
Toluene-d8
Concen: 50.325 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

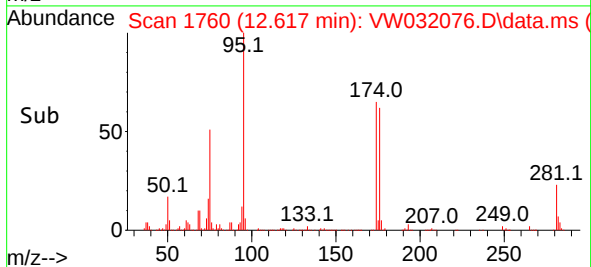
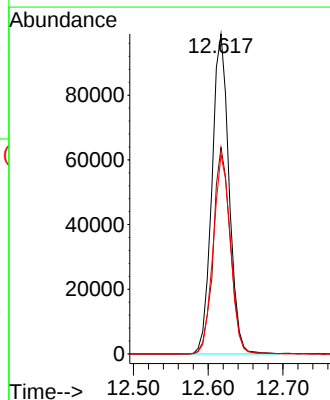
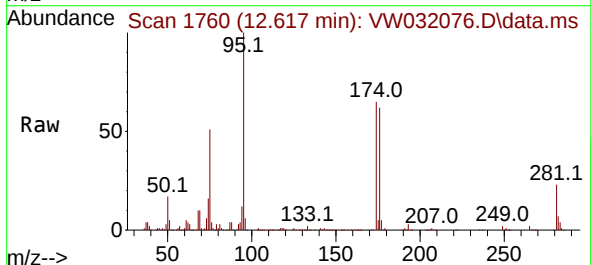
Instrument :
MSVOA_W
ClientSampleId :
11M-S

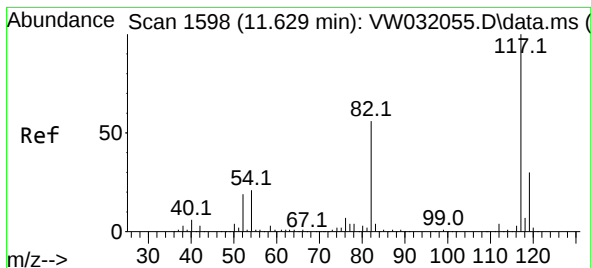
Tgt Ion: 98 Resp: 418630
Ion Ratio Lower Upper
98 100
100 65.2 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 51.247 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032076.D
Acq: 11 Aug 2025 18:47

Tgt Ion: 95 Resp: 157097
Ion Ratio Lower Upper
95 100
174 64.0 0.0 129.0
176 62.9 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

Instrument :

MSVOA_W

ClientSampleId :

11M-S

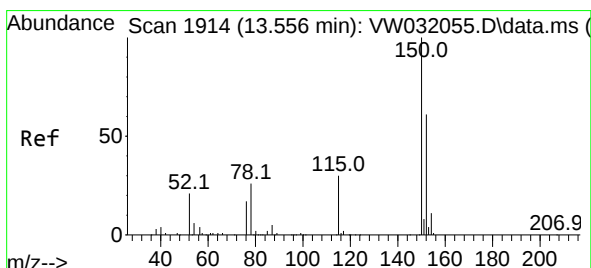
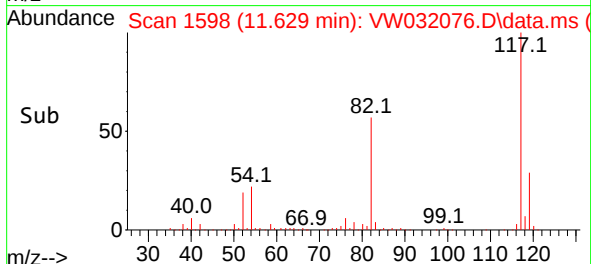
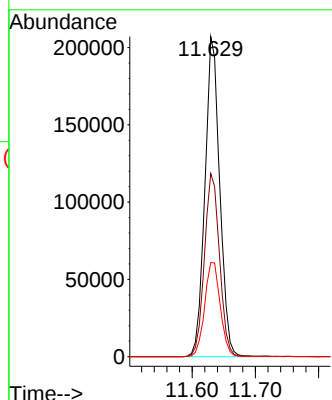
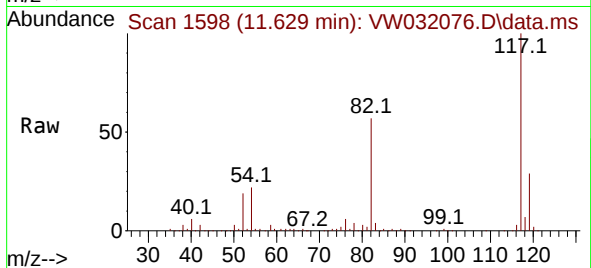
Tgt Ion:117 Resp: 337870

Ion Ratio Lower Upper

117 100

82 57.3 45.0 67.4

119 29.4 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032076.D

Acq: 11 Aug 2025 18:47

Tgt Ion:152 Resp: 150514

Ion Ratio Lower Upper

152 100

115 63.5 32.6 97.8

150 157.4 0.0 359.4

