

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031803.D
 Acq On : 10 Jul 2025 15:14
 Operator : SY/MD
 Sample : Q2529-10
 Misc : 5.20g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-30

Quant Time: Jul 11 02:21:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	174243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	376543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	353548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	161581	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	137336	54.922	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	109.840%
35) Dibromofluoromethane	7.904	113	117387	47.774	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	95.540%
50) Toluene-d8	10.331	98	434603	47.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.617	95	167699	49.837	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.680%

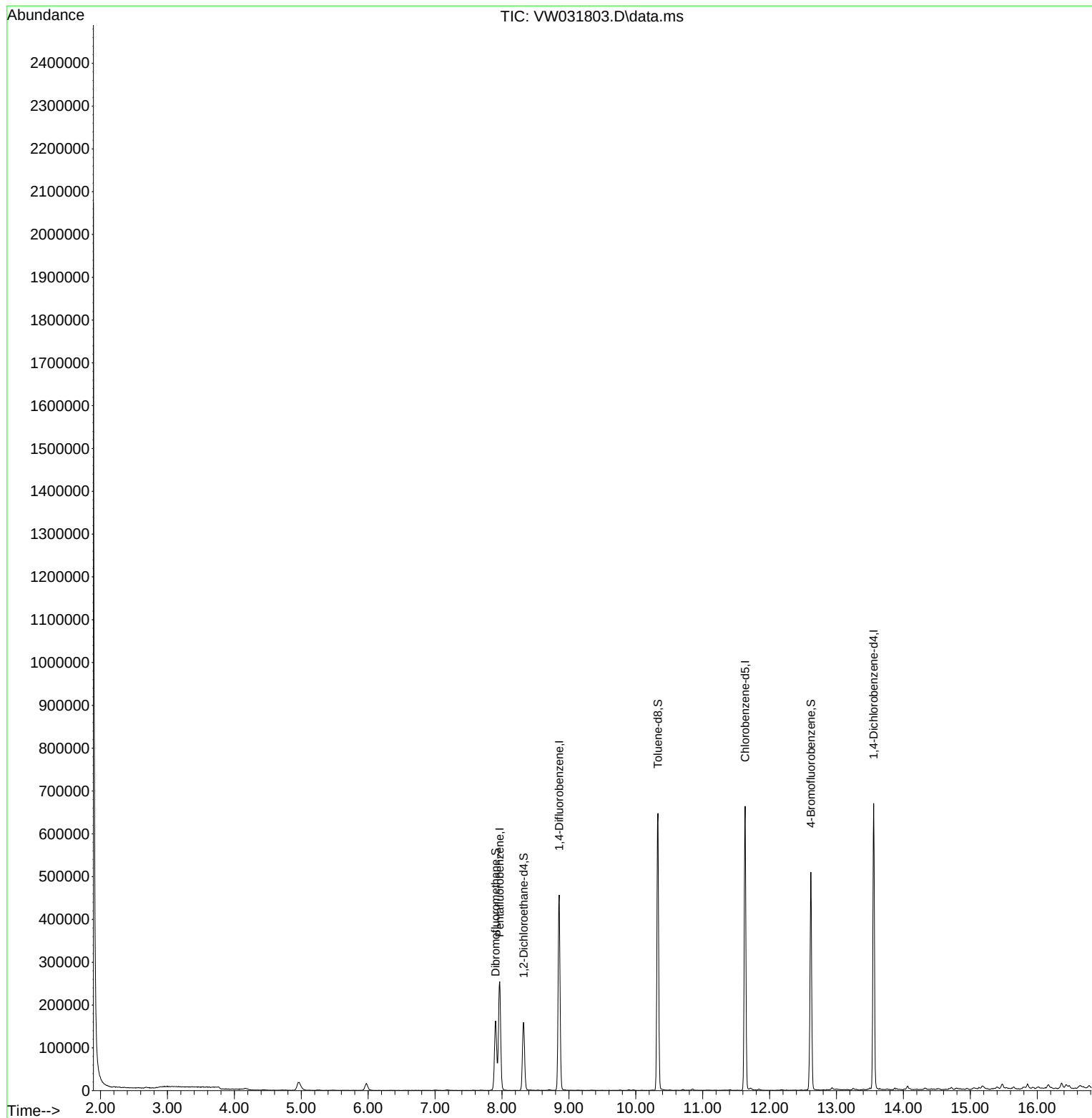
Target Compounds	Qvalue

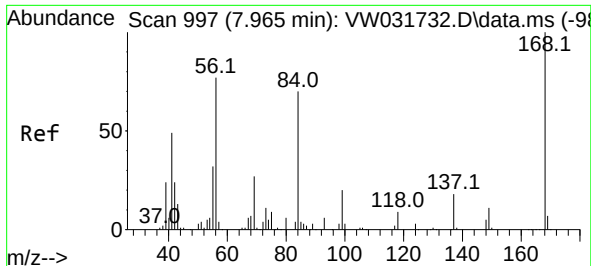
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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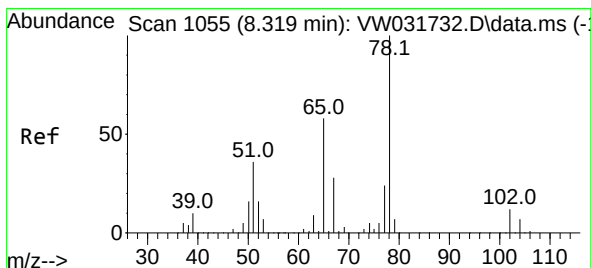
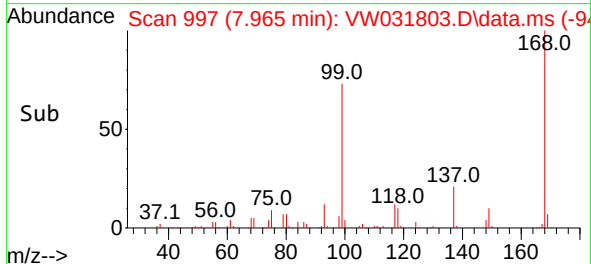
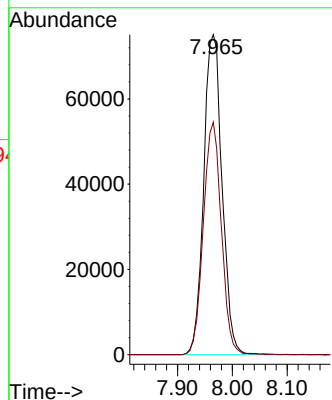
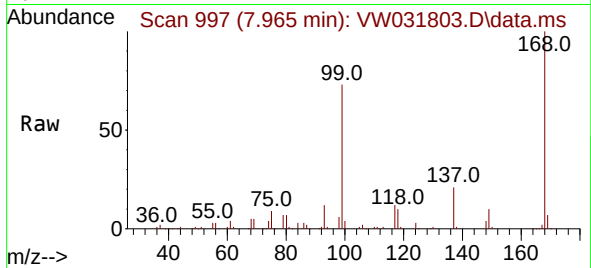




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031803.D
Acq: 10 Jul 2025 15:14

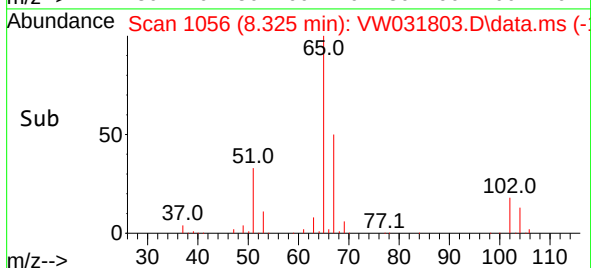
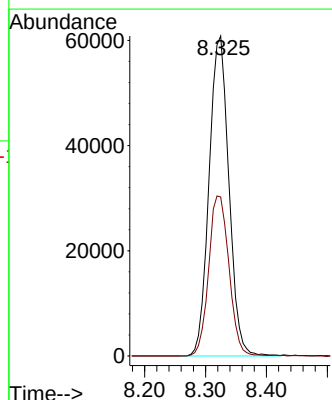
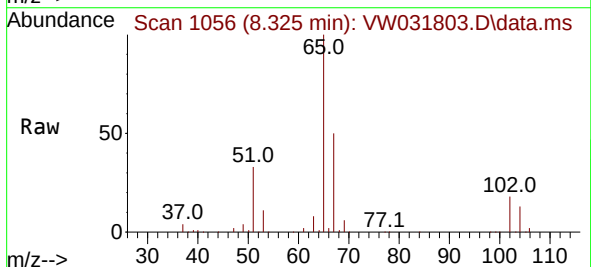
Instrument :
MSVOA_W
ClientSampleId :
TP-30

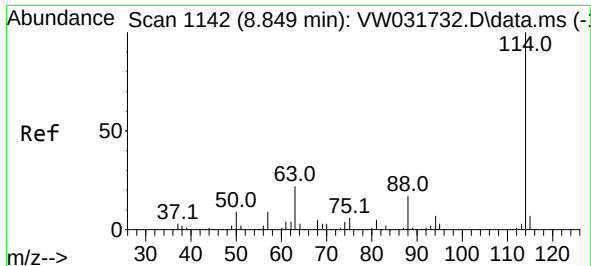
Tgt Ion:168 Resp: 174243
Ion Ratio Lower Upper
168 100
99 72.7 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 54.922 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031803.D
Acq: 10 Jul 2025 15:14

Tgt Ion: 65 Resp: 137336
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031803.D

Acq: 10 Jul 2025 15:14

Instrument :

MSVOA_W

ClientSampleId :

TP-30

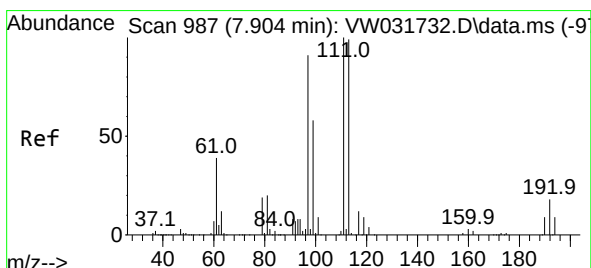
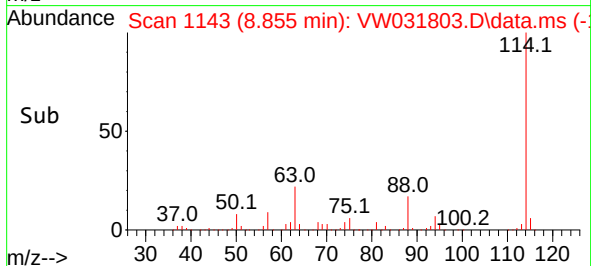
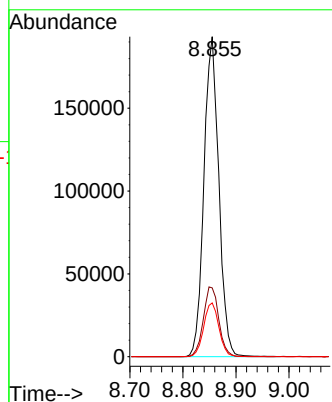
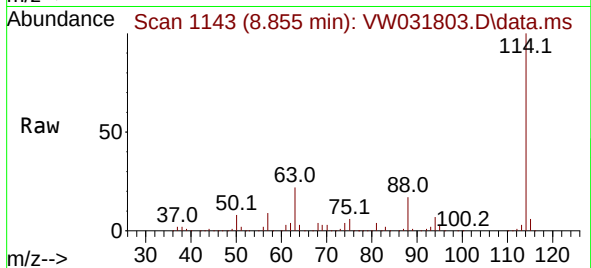
Tgt Ion:114 Resp: 376543

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

88 16.8 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.774 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031803.D

Acq: 10 Jul 2025 15:14

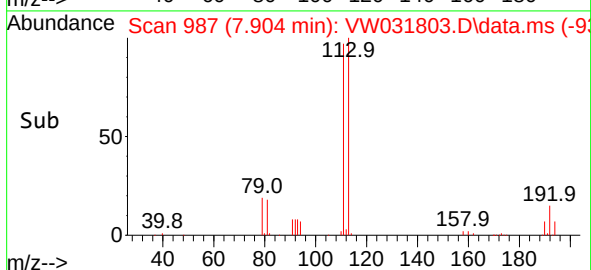
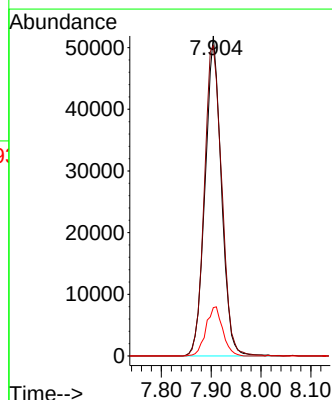
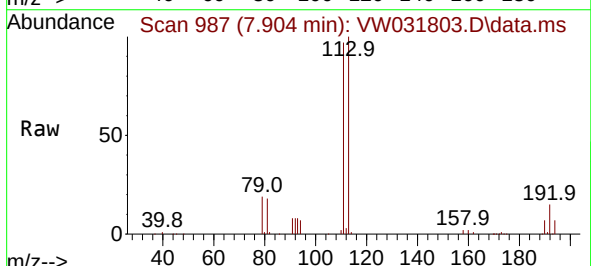
Tgt Ion:113 Resp: 117387

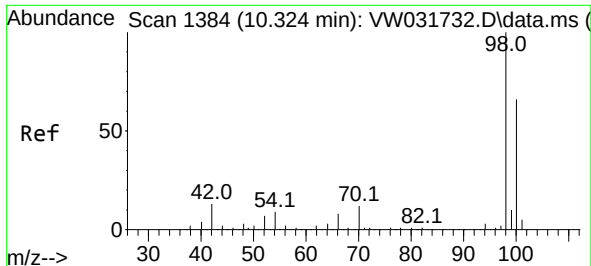
Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

192 15.8 13.8 20.6

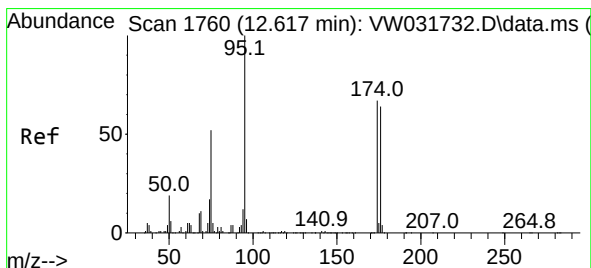
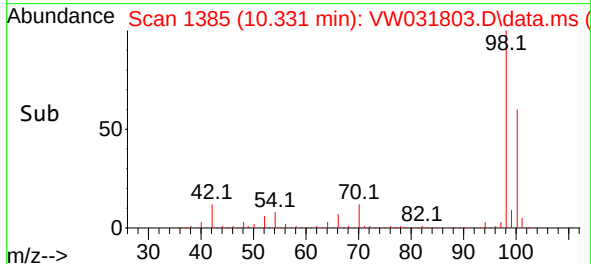
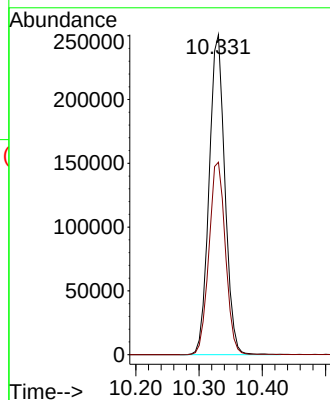
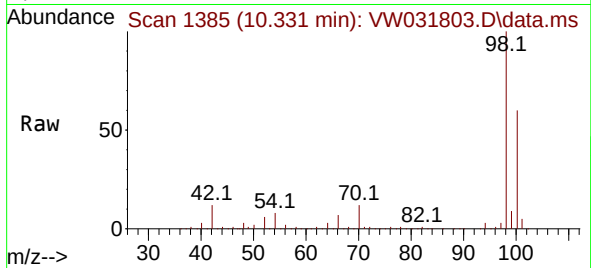




#50
Toluene-d8
Concen: 47.529 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031803.D
Acq: 10 Jul 2025 15:14

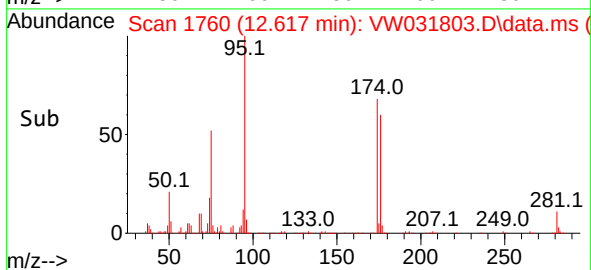
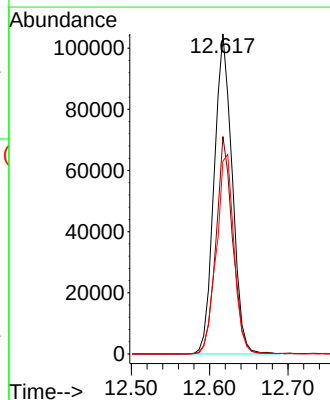
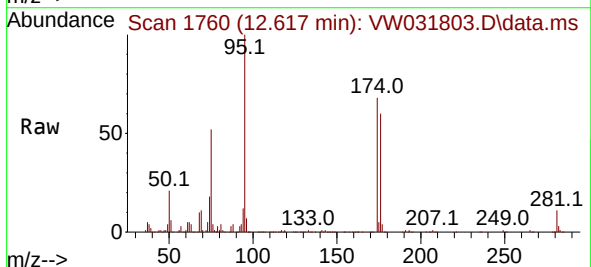
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TP-30

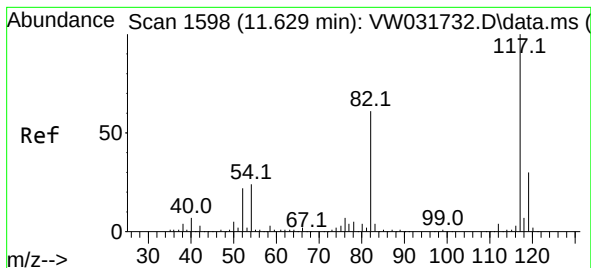
Tgt Ion: 98 Resp: 434603
Ion Ratio Lower Upper
98 100
100 63.0 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.837 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031803.D
Acq: 10 Jul 2025 15:14

Tgt Ion: 95 Resp: 167699
Ion Ratio Lower Upper
95 100
174 63.0 0.0 133.8
176 61.4 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW031803.D

Acq: 10 Jul 2025 15:14

Instrument :

MSVOA_W

ClientSampleId :

TP-30

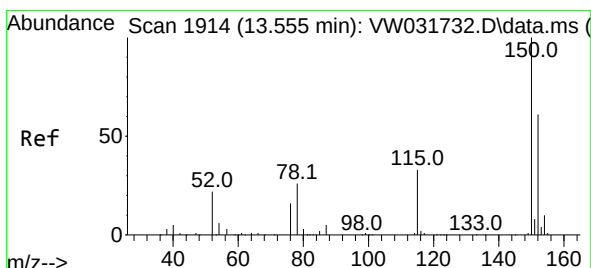
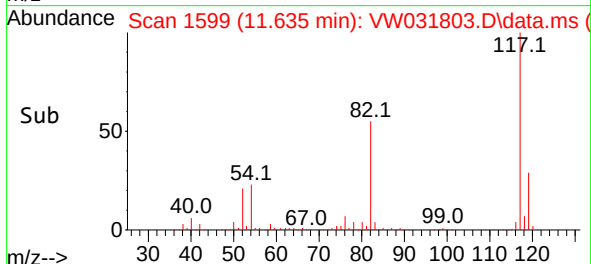
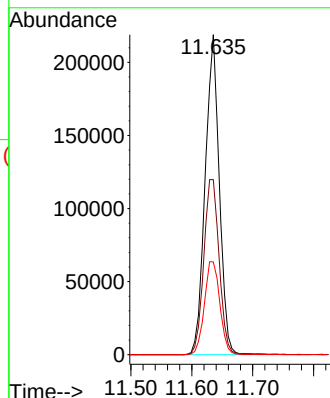
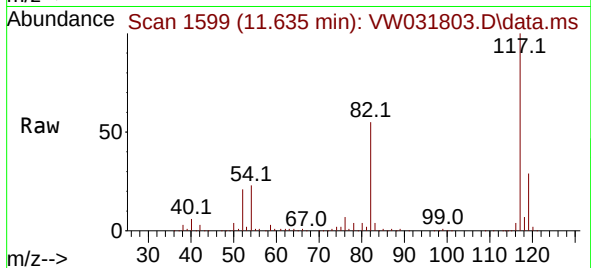
Tgt Ion:117 Resp: 353548

Ion Ratio Lower Upper

117 100

82 54.7 48.6 72.8

119 29.0 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031803.D

Acq: 10 Jul 2025 15:14

Tgt Ion:152 Resp: 161581

Ion Ratio Lower Upper

152 100

115 68.8 31.9 95.7

150 162.8 0.0 356.4

