

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031825.D
 Acq On : 11 Jul 2025 17:16
 Operator : SY/MD
 Sample : Q2546-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-02-7-9-2025

Quant Time: Jul 11 22:51:32 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	7.959	168	117110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	250646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	237671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	105480	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	90759	54.002	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.000%
35) Dibromofluoromethane	7.898	113	74074	45.289	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.580%
50) Toluene-d8	10.330	98	265155	43.564	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.120%
62) 4-Bromofluorobenzene	12.617	95	99476	44.411	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	88.820%

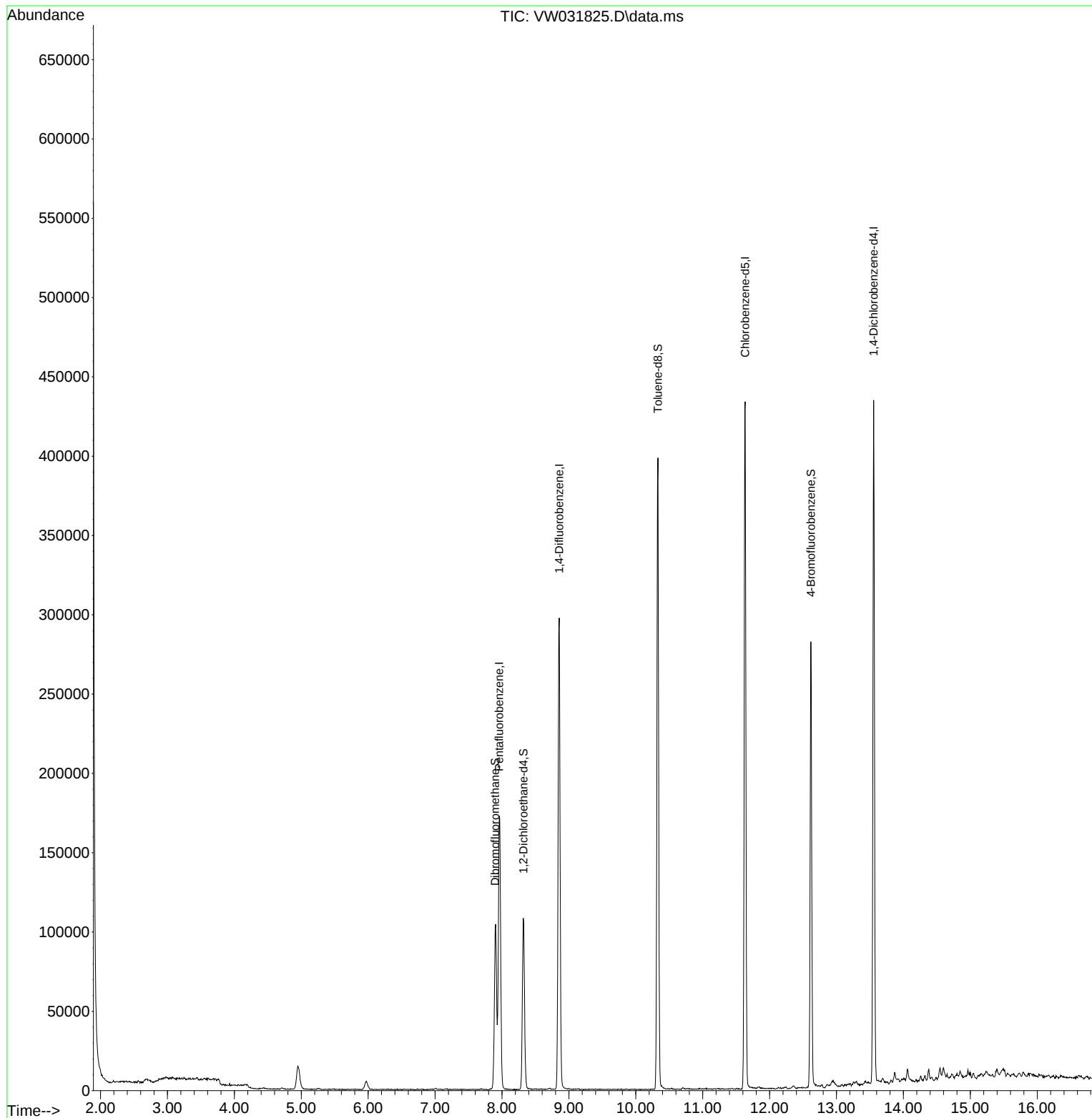
Target Compounds	Qvalue

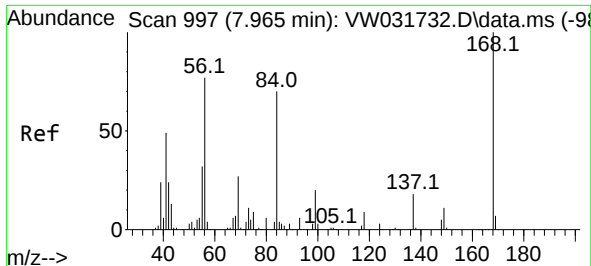
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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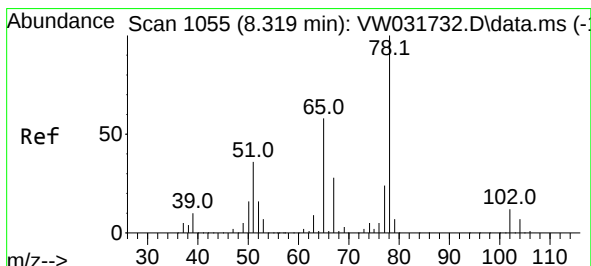
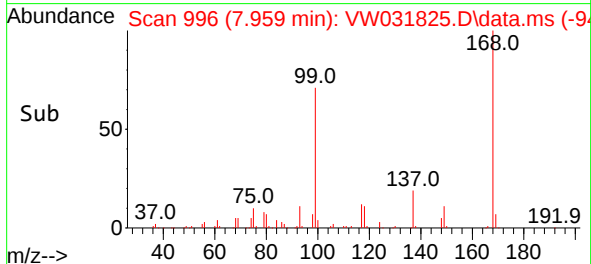
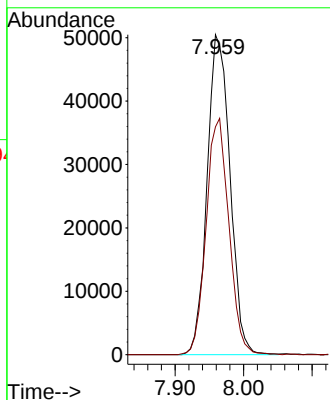
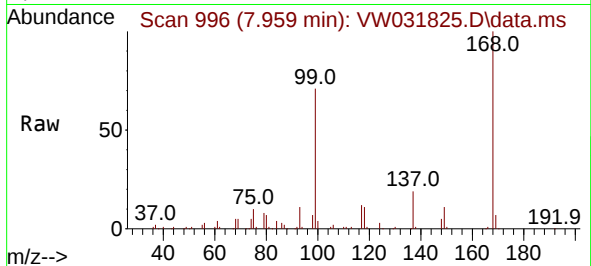




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031825.D
Acq: 11 Jul 2025 17:16

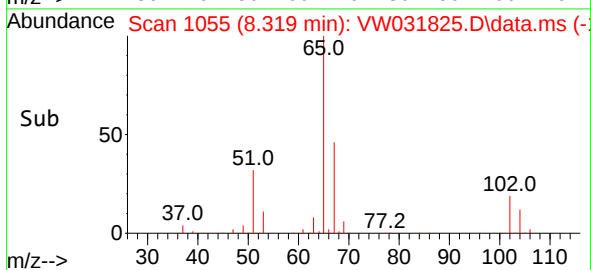
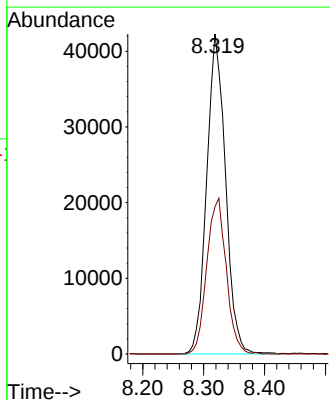
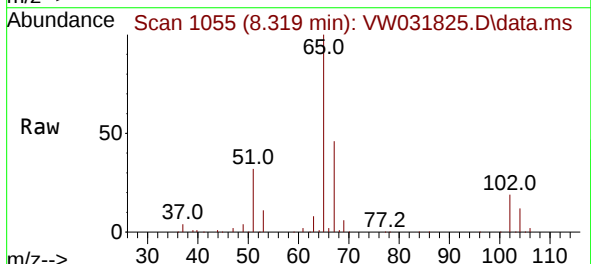
Instrument :
MSVOA_W
ClientSampleId :
HD-02-7-9-2025

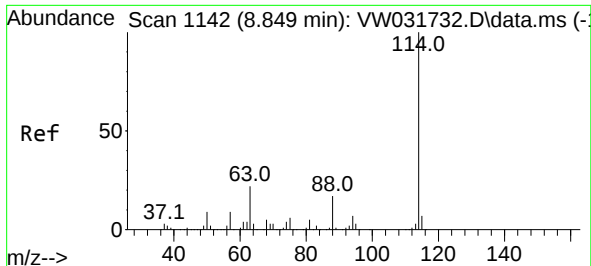
Tgt Ion:168 Resp: 117110
Ion Ratio Lower Upper
168 100
99 71.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 54.002 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031825.D
Acq: 11 Jul 2025 17:16

Tgt Ion: 65 Resp: 90759
Ion Ratio Lower Upper
65 100
67 50.4 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: VW031825.D

Acq: 11 Jul 2025 17:16

Instrument :

MSVOA_W

ClientSampleId :

HD-02-7-9-2025

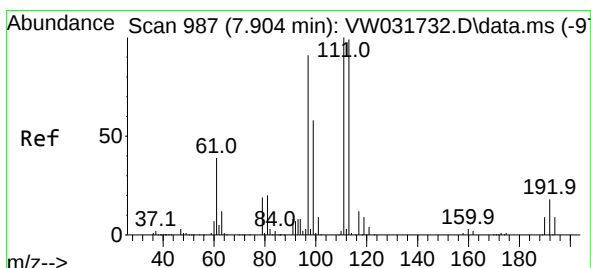
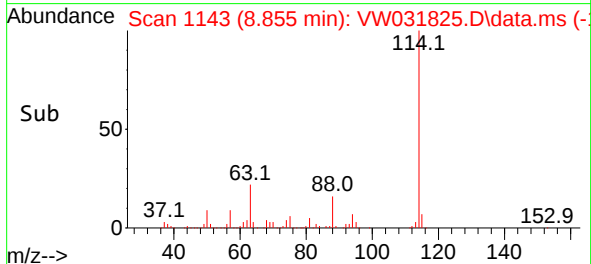
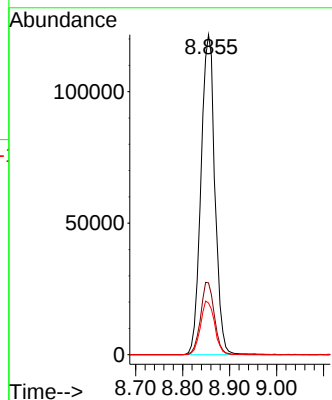
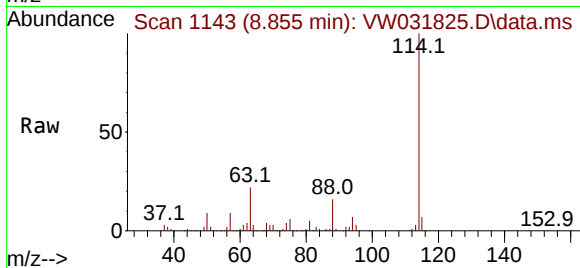
Tgt Ion:114 Resp: 250646

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.6

88 16.2 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.289 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031825.D

Acq: 11 Jul 2025 17:16

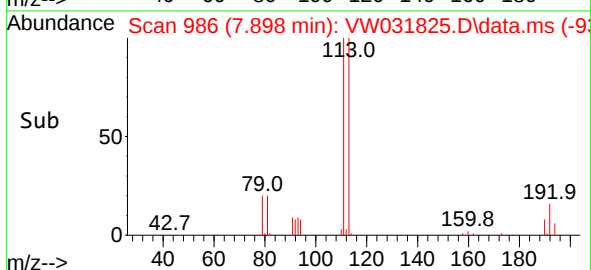
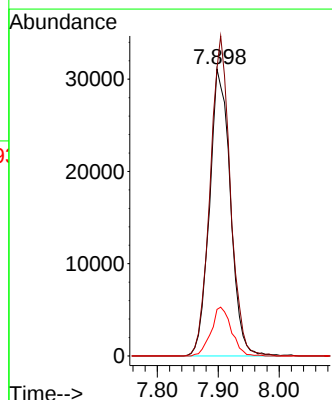
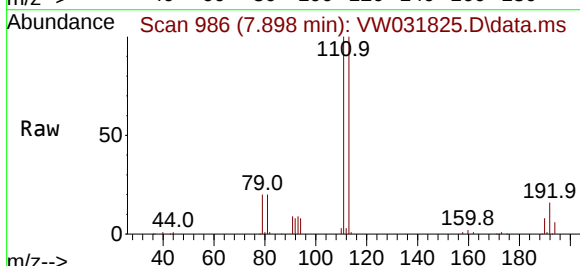
Tgt Ion:113 Resp: 74074

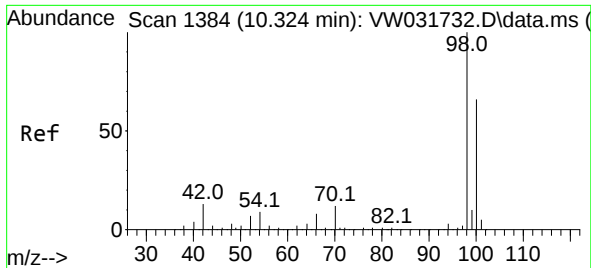
Ion Ratio Lower Upper

113 100

111 107.5 82.1 123.1

192 16.5 13.8 20.6

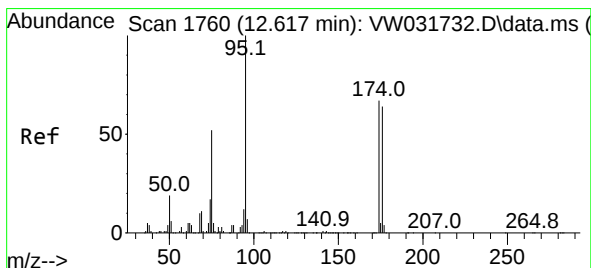
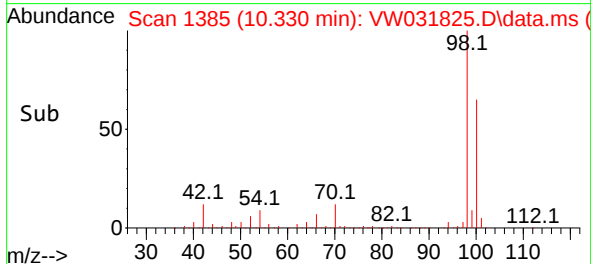
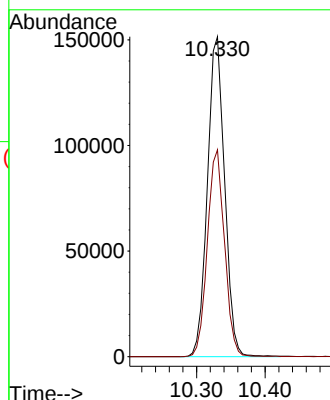
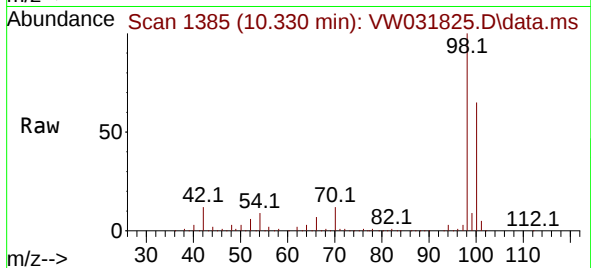




#50
Toluene-d8
Concen: 43.564 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031825.D
Acq: 11 Jul 2025 17:16

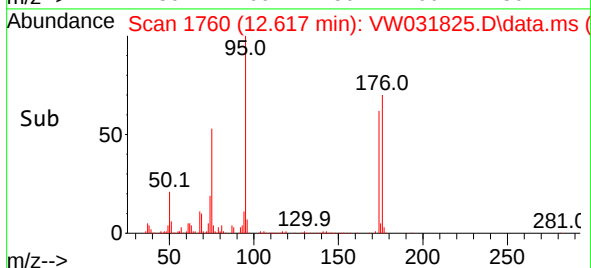
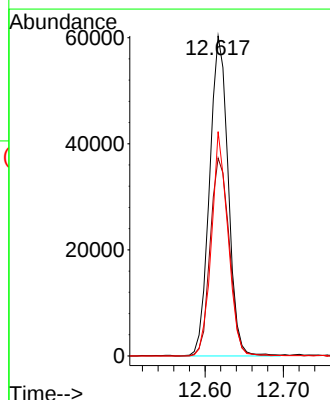
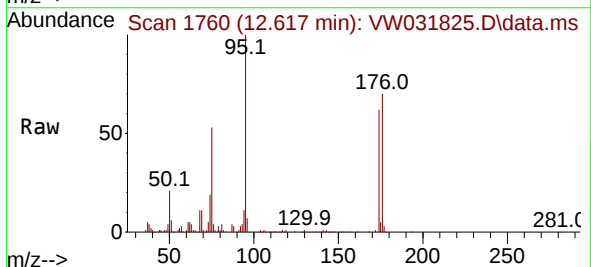
Instrument :
MSVOA_W
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HD-02-7-9-2025

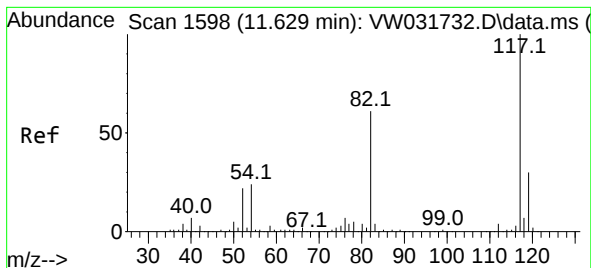
Tgt Ion: 98 Resp: 265155
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.411 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031825.D
Acq: 11 Jul 2025 17:16

Tgt Ion: 95 Resp: 99476
Ion Ratio Lower Upper
95 100
174 63.8 0.0 133.8
176 62.2 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW031825.D

Acq: 11 Jul 2025 17:16

Instrument :

MSVOA_W

ClientSampleId :

HD-02-7-9-2025

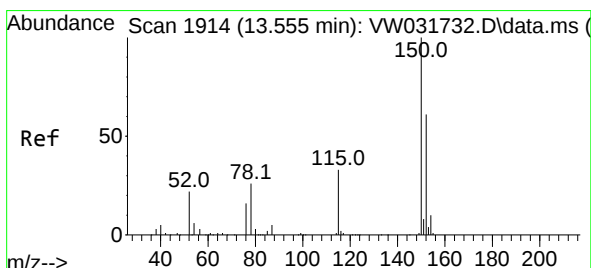
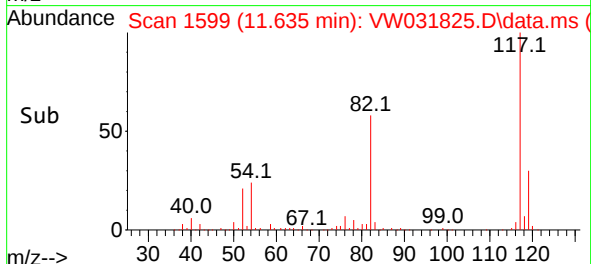
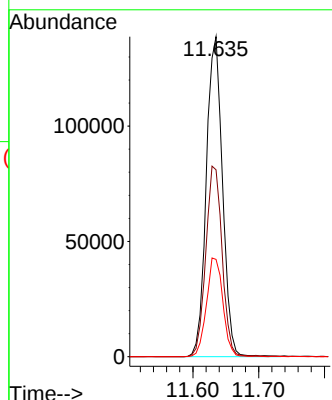
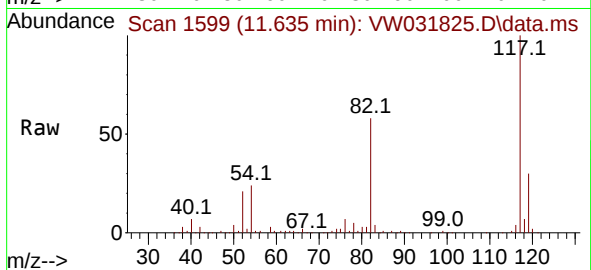
Tgt Ion:117 Resp: 237671

Ion Ratio Lower Upper

117 100

82 58.4 48.6 72.8

119 30.4 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW031825.D

Acq: 11 Jul 2025 17:16

Tgt Ion:152 Resp: 105480

Ion Ratio Lower Upper

152 100

115 66.6 31.9 95.7

150 157.6 0.0 356.4

