

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070925\
 Data File : VW031778.D
 Acq On : 09 Jul 2025 16:02
 Operator : SY/MD
 Sample : Q2529-01
 Misc : 3.13g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-91

Quant Time: Jul 10 01:28:30 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	218175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	444599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	410314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	199718	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	144047	46.006	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	92.020%
35) Dibromofluoromethane	7.904	113	126903	43.742	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	87.480%
50) Toluene-d8	10.331	98	486945	45.102	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.200%
62) 4-Bromofluorobenzene	12.617	95	177582	44.696	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	89.400%

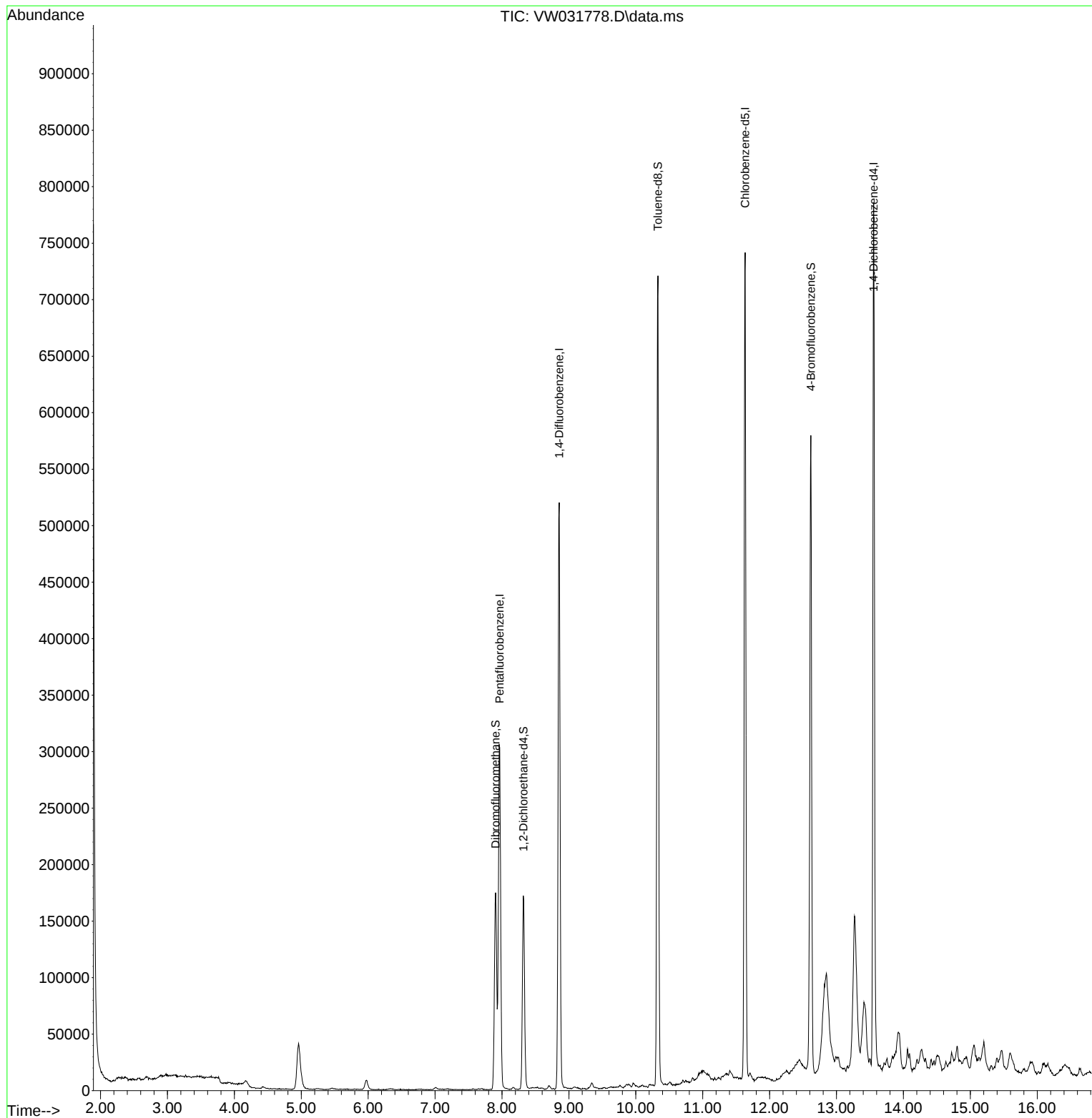
Target Compounds	Qvalue

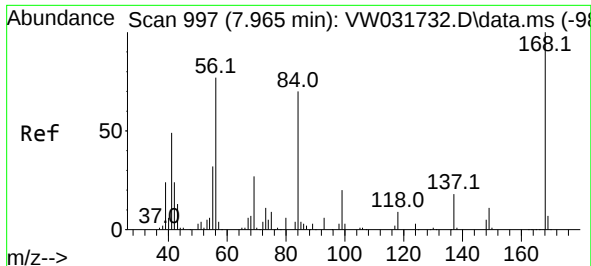
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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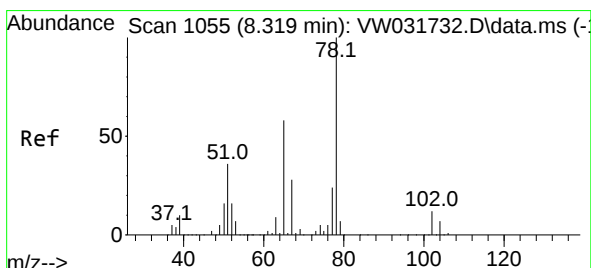
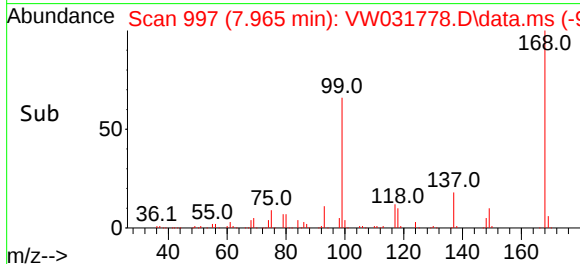
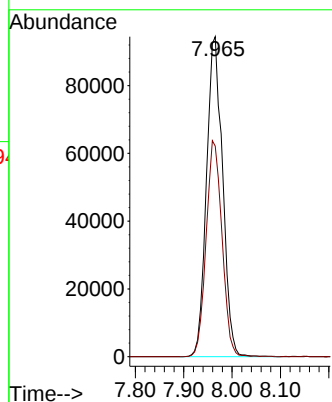
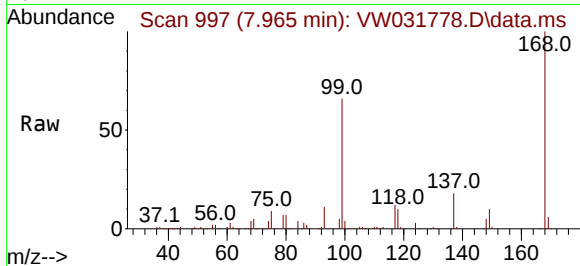




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031778.D
Acq: 09 Jul 2025 16:02

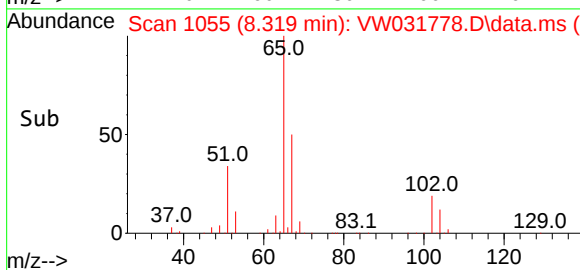
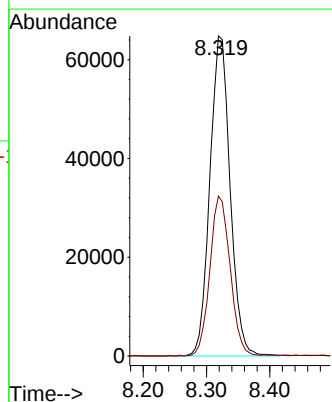
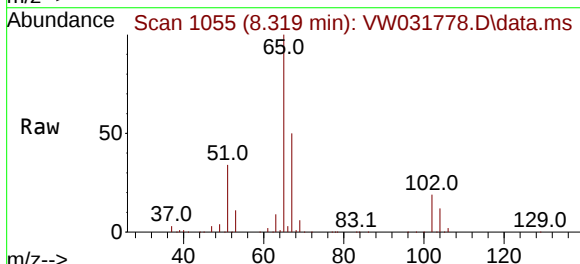
Instrument :
MSVOA_W
ClientSampleId :
TP-91

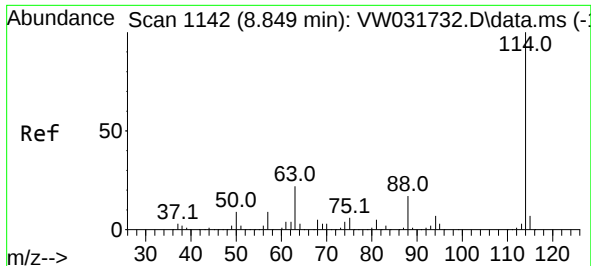
Tgt Ion:168 Resp: 218175
Ion Ratio Lower Upper
168 100
99 65.8 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 46.006 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031778.D
Acq: 09 Jul 2025 16:02

Tgt Ion: 65 Resp: 144047
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VW031778.D

Acq: 09 Jul 2025 16:02

Instrument :

MSVOA_W

ClientSampleId :

TP-91

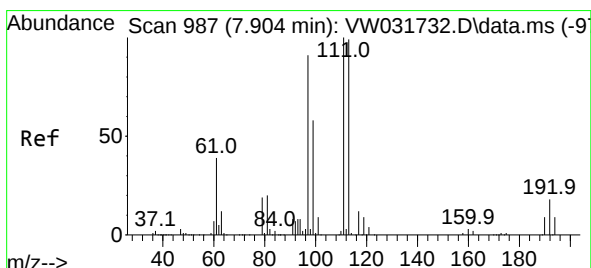
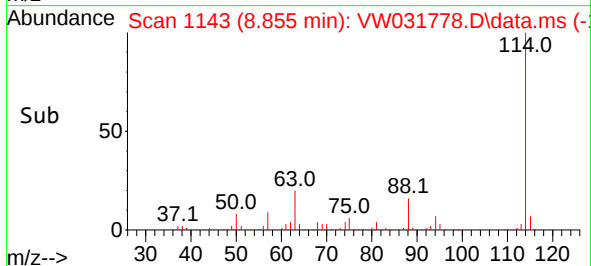
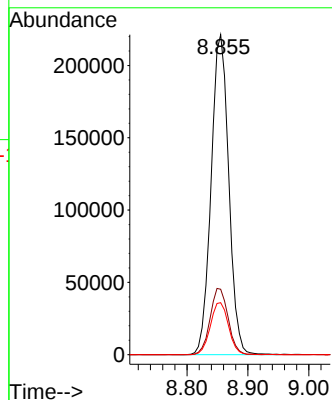
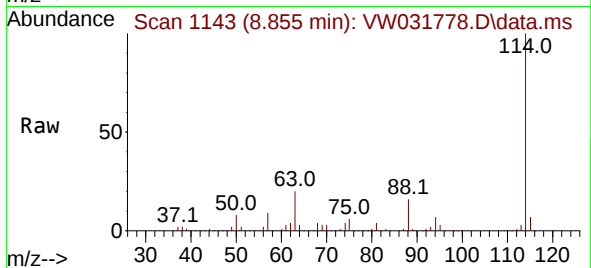
Tgt Ion:114 Resp: 444599

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.6

88 16.2 0.0 34.2



#35

Dibromofluoromethane

Concen: 43.742 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031778.D

Acq: 09 Jul 2025 16:02

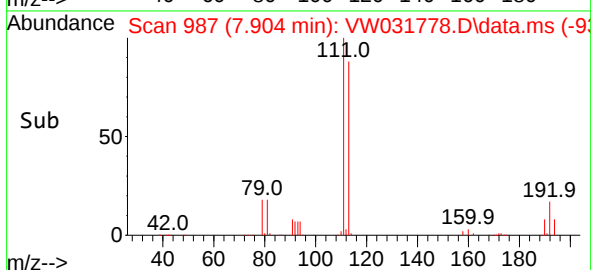
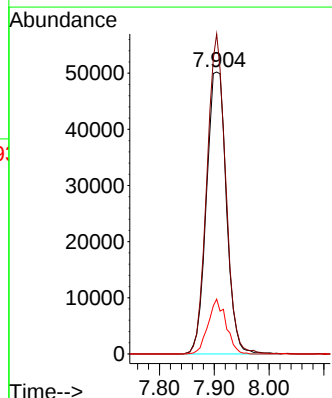
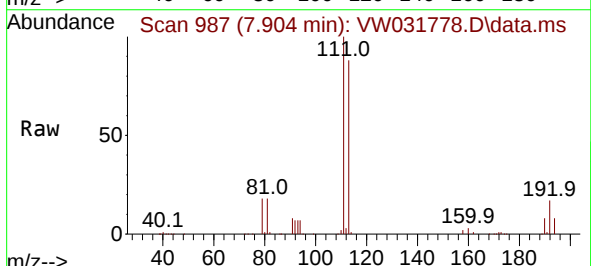
Tgt Ion:113 Resp: 126903

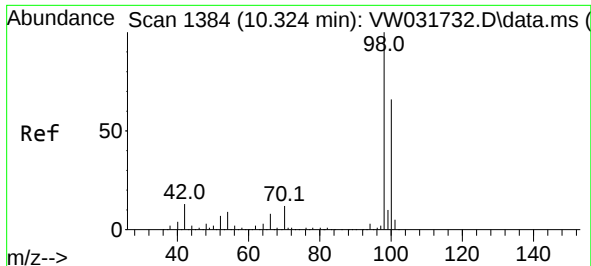
Ion Ratio Lower Upper

113 100

111 106.0 82.1 123.1

192 17.5 13.8 20.6

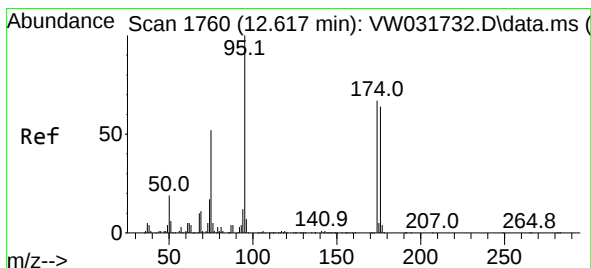
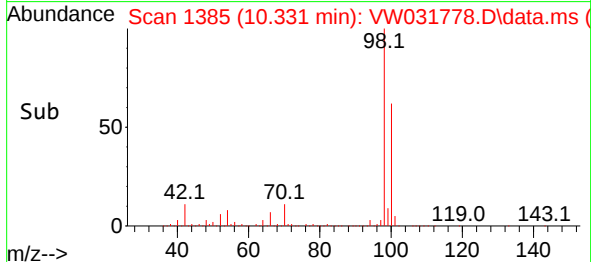
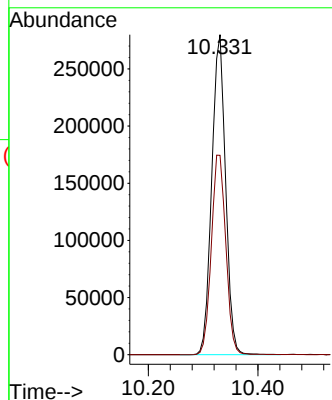
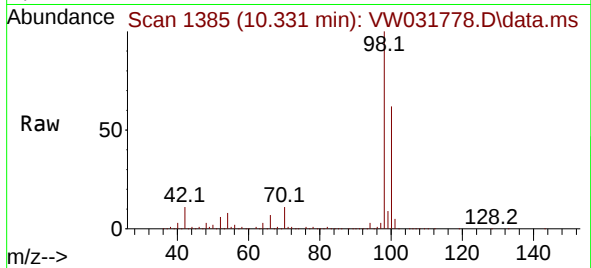




#50
Toluene-d8
Concen: 45.102 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031778.D
Acq: 09 Jul 2025 16:02

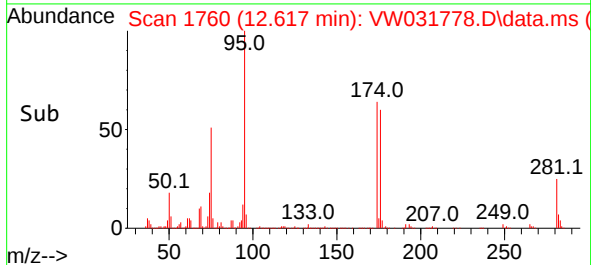
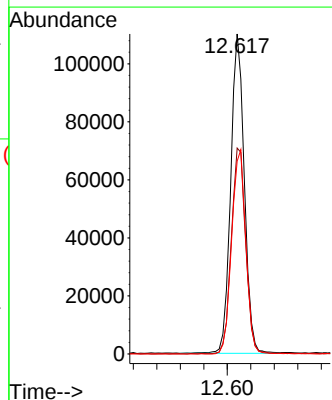
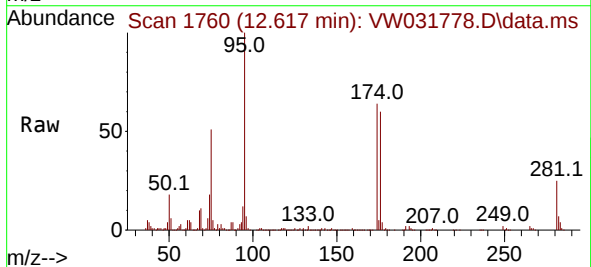
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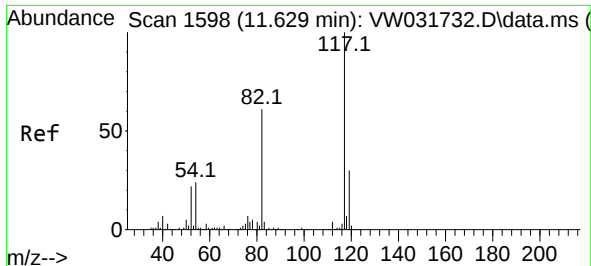
Tgt Ion: 98 Resp: 486945
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 44.696 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031778.D
Acq: 09 Jul 2025 16:02

Tgt Ion: 95 Resp: 177582
Ion Ratio Lower Upper
95 100
174 67.3 0.0 133.8
176 66.6 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031778.D

Acq: 09 Jul 2025 16:02

Instrument :

MSVOA_W

ClientSampleId :

TP-91

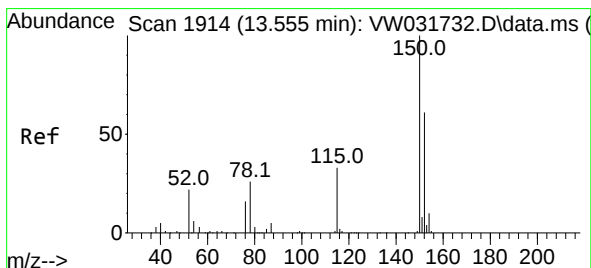
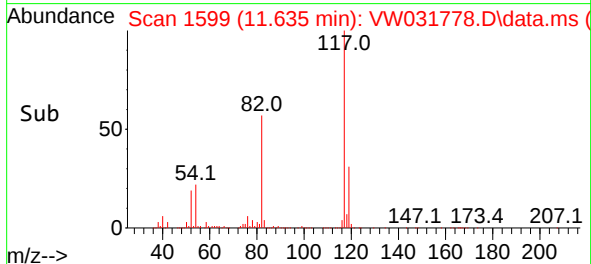
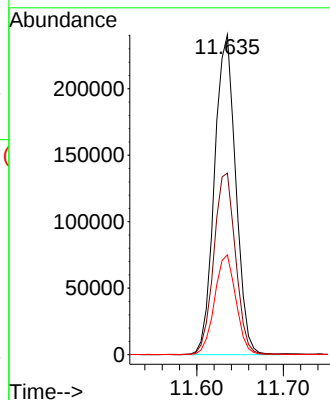
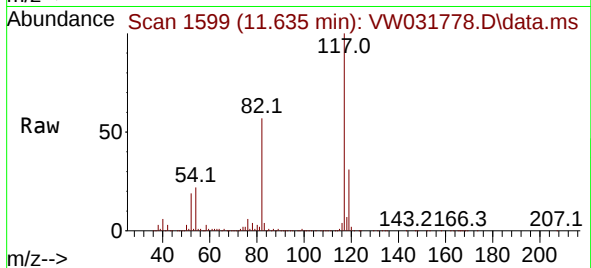
Tgt Ion:117 Resp: 410314

Ion Ratio Lower Upper

117 100

82 56.7 48.6 72.8

119 31.2 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: VW031778.D

Acq: 09 Jul 2025 16:02

Tgt Ion:152 Resp: 199718

Ion Ratio Lower Upper

152 100

115 65.1 31.9 95.7

150 158.0 0.0 356.4

