

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071125\
 Data File : VW031831.D
 Acq On : 11 Jul 2025 19:28
 Operator : SY/MD
 Sample : Q2580-01
 Misc : 5.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-URBAN-FILL-B1

Quant Time: Jul 11 22:53:44 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	194384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	385504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	362157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	168181	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139617	50.049	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.100%
35) Dibromofluoromethane	7.904	113	114912	45.680	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.360%
50) Toluene-d8	10.331	98	424647	45.361	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.720%
62) 4-Bromofluorobenzene	12.617	95	172270	50.005	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	100.020%

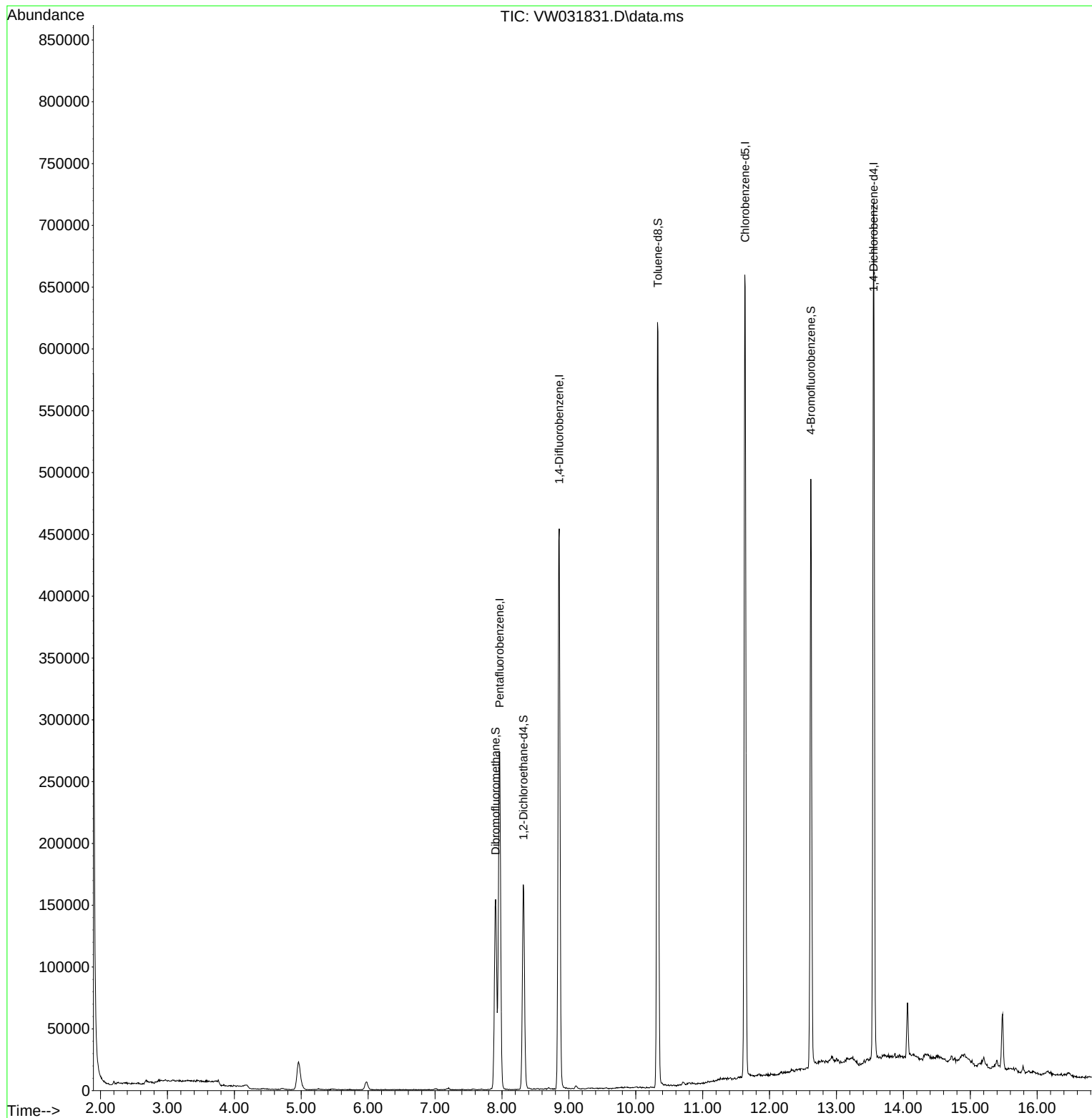
Target Compounds	Qvalue

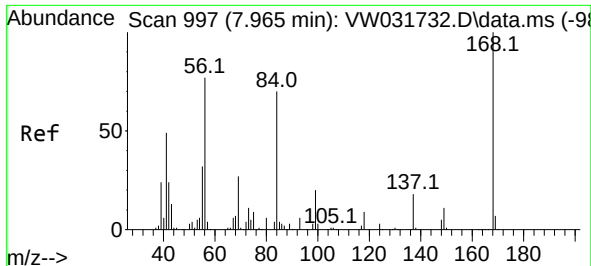
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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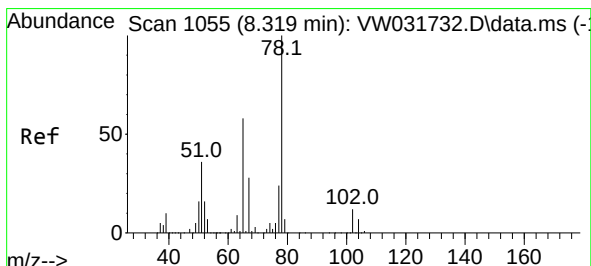
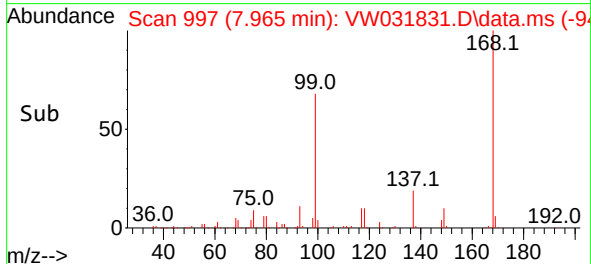
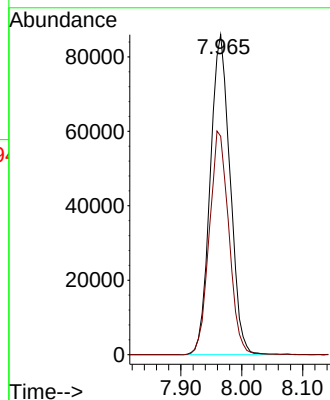
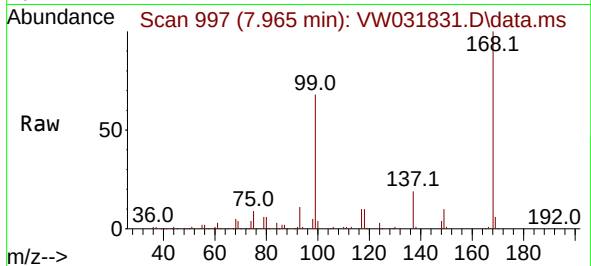




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

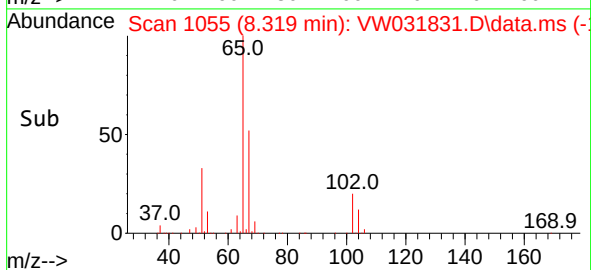
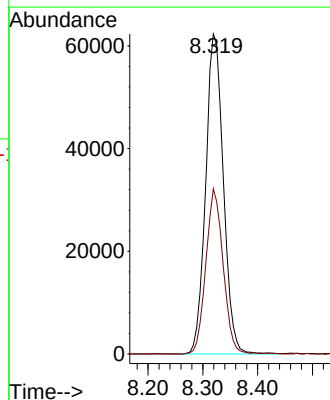
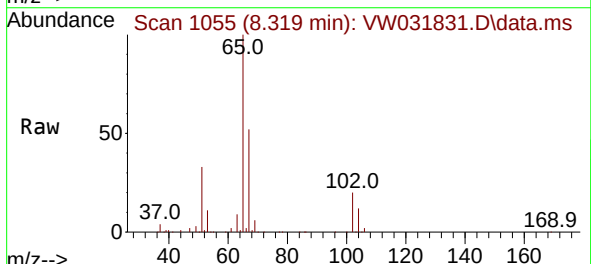
Instrument :
MSVOA_W
ClientSampleId :
WC-URBAN-FILL-B1

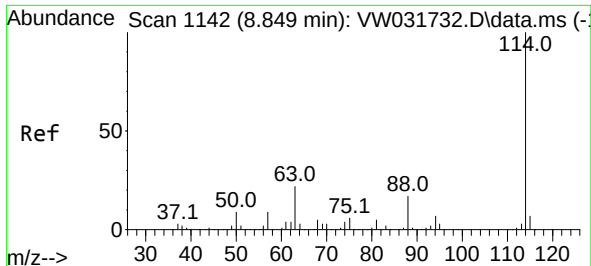
Tgt Ion:168 Resp: 194384
Ion Ratio Lower Upper
168 100
99 68.3 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 50.049 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031831.D
Acq: 11 Jul 2025 19:28

Tgt Ion: 65 Resp: 139617
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

Instrument :

MSVOA_W

ClientSampleId :

WC-URBAN-FILL-B1

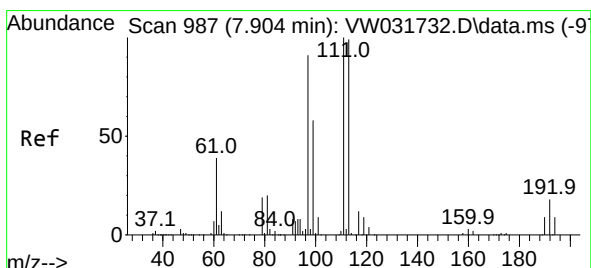
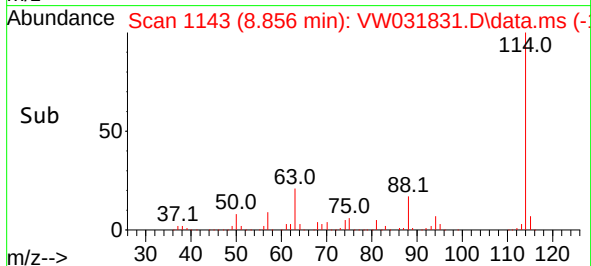
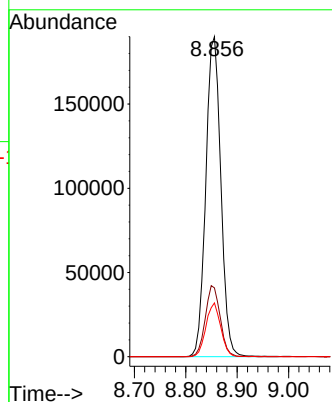
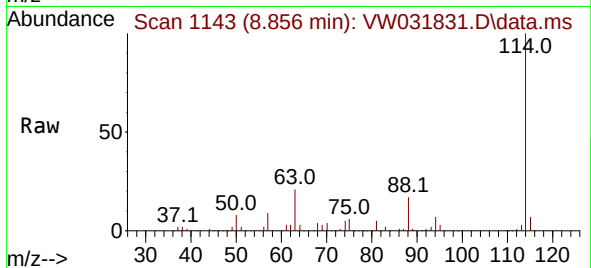
Tgt Ion:114 Resp: 385504

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.6

88 16.8 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.680 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

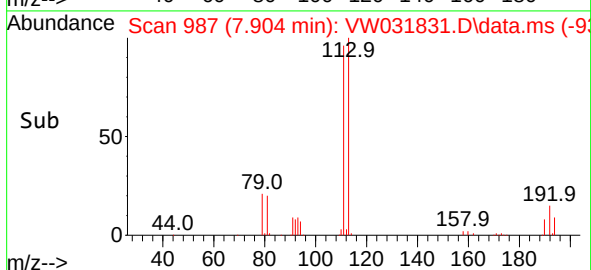
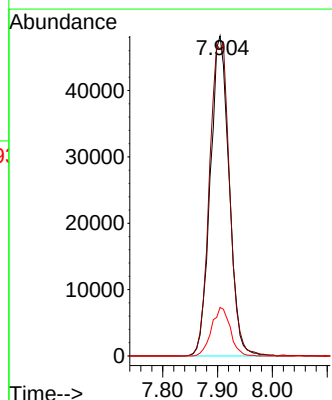
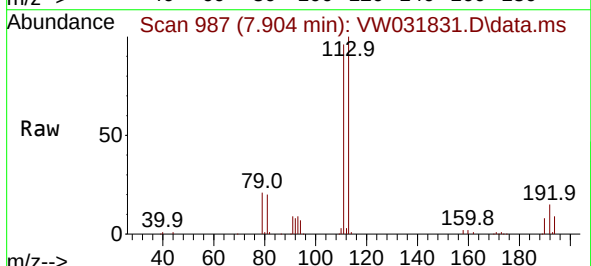
Tgt Ion:113 Resp: 114912

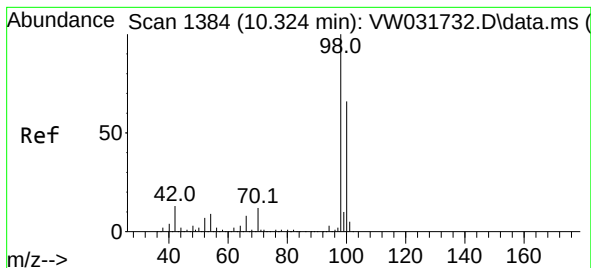
Ion Ratio Lower Upper

113 100

111 104.4 82.1 123.1

192 15.1 13.8 20.6





#50

Toluene-d8

Concen: 45.361 ug/l

RT: 10.331 min Scan# 11

Delta R.T. 0.007 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

Instrument :

MSVOA_W

ClientSampleId :

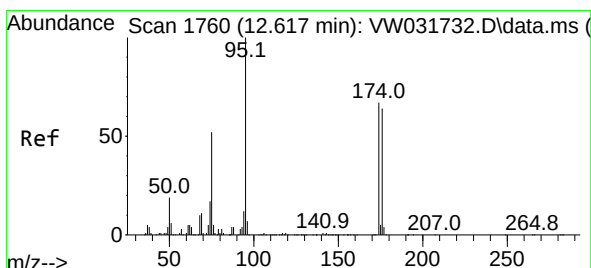
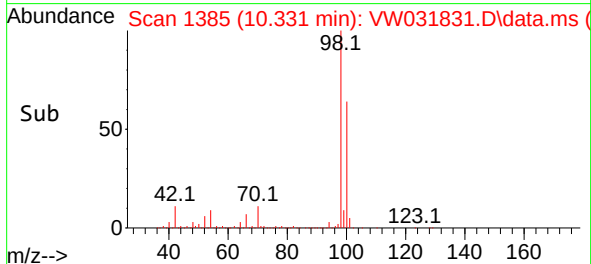
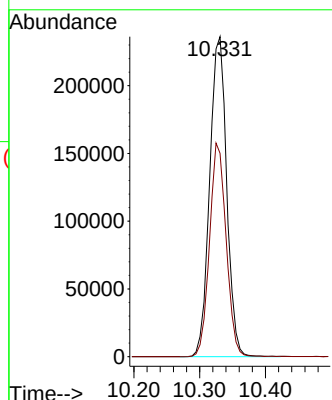
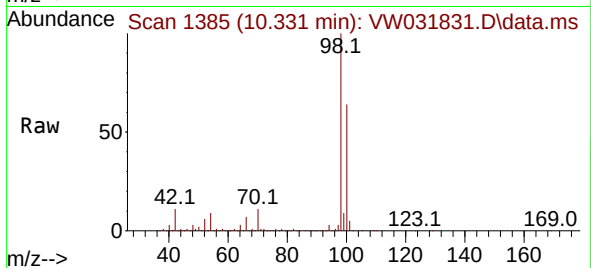
WC-URBAN-FILL-B1

Tgt Ion: 98 Resp: 424647

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 50.005 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

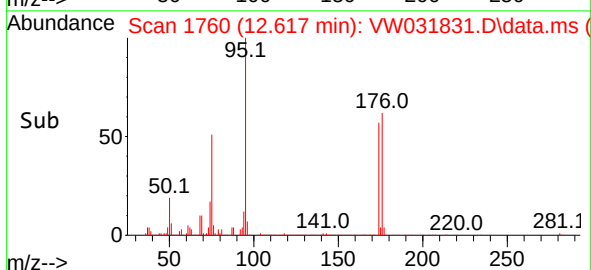
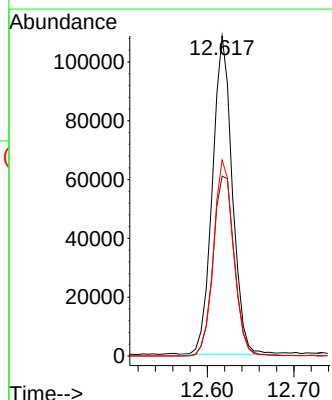
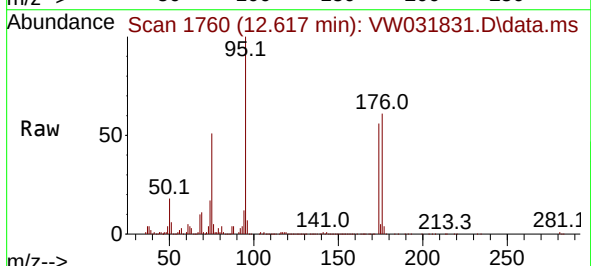
Tgt Ion: 95 Resp: 172270

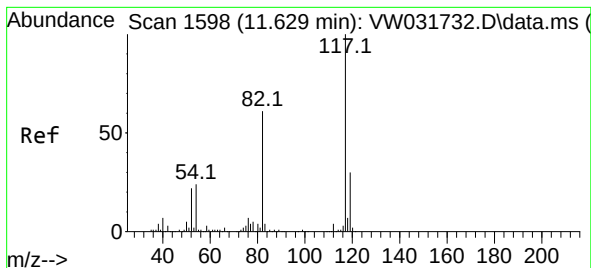
Ion Ratio Lower Upper

95 100

174 60.9 0.0 133.8

176 62.1 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.636 min Scan# 11

Delta R.T. 0.007 min

Lab File: VW031831.D

Acq: 11 Jul 2025 19:28

Instrument :

MSVOA_W

ClientSampleId :

WC-URBAN-FILL-B1

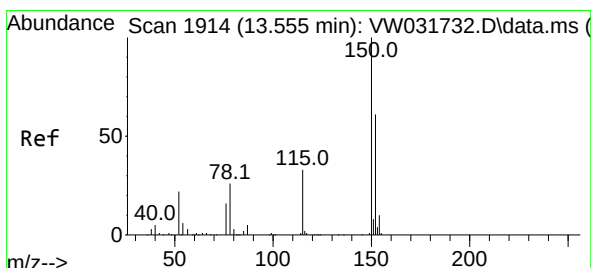
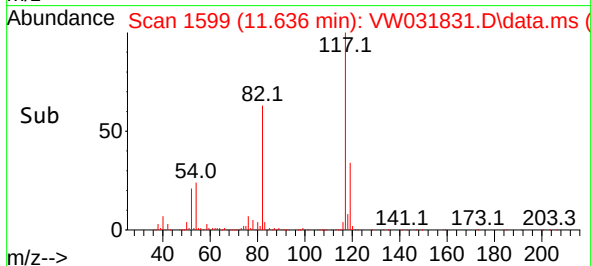
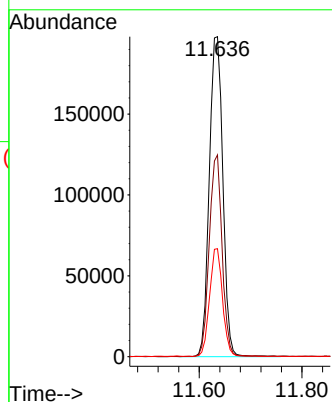
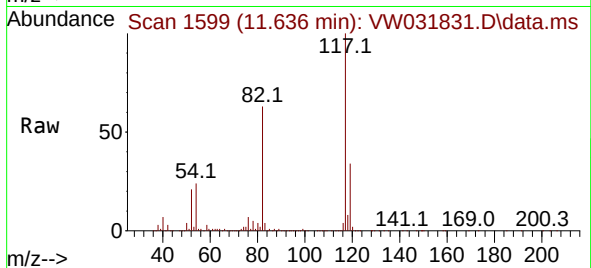
Tgt Ion:117 Resp: 362157

Ion Ratio Lower Upper

117 100

82 63.0 48.6 72.8

119 33.7 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: VW031831.D

Acq: 11 Jul 2025 19:28

Tgt Ion:152 Resp: 168181

Ion Ratio Lower Upper

152 100

115 69.7 31.9 95.7

150 161.9 0.0 356.4

