

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070325\
 Data File : VW031759.D
 Acq On : 03 Jul 2025 10:45
 Operator : SY/MD
 Sample : VW0703SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0703SBL01

Quant Time: Jul 04 04:50:34 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	190641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	354376	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	316436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	146308	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	128543	46.984	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	93.960%
35) Dibromofluoromethane	7.904	113	109142	47.197	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.400%
50) Toluene-d8	10.325	98	405403	47.109	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	94.220%
62) 4-Bromofluorobenzene	12.617	95	133228	42.069	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	84.140%

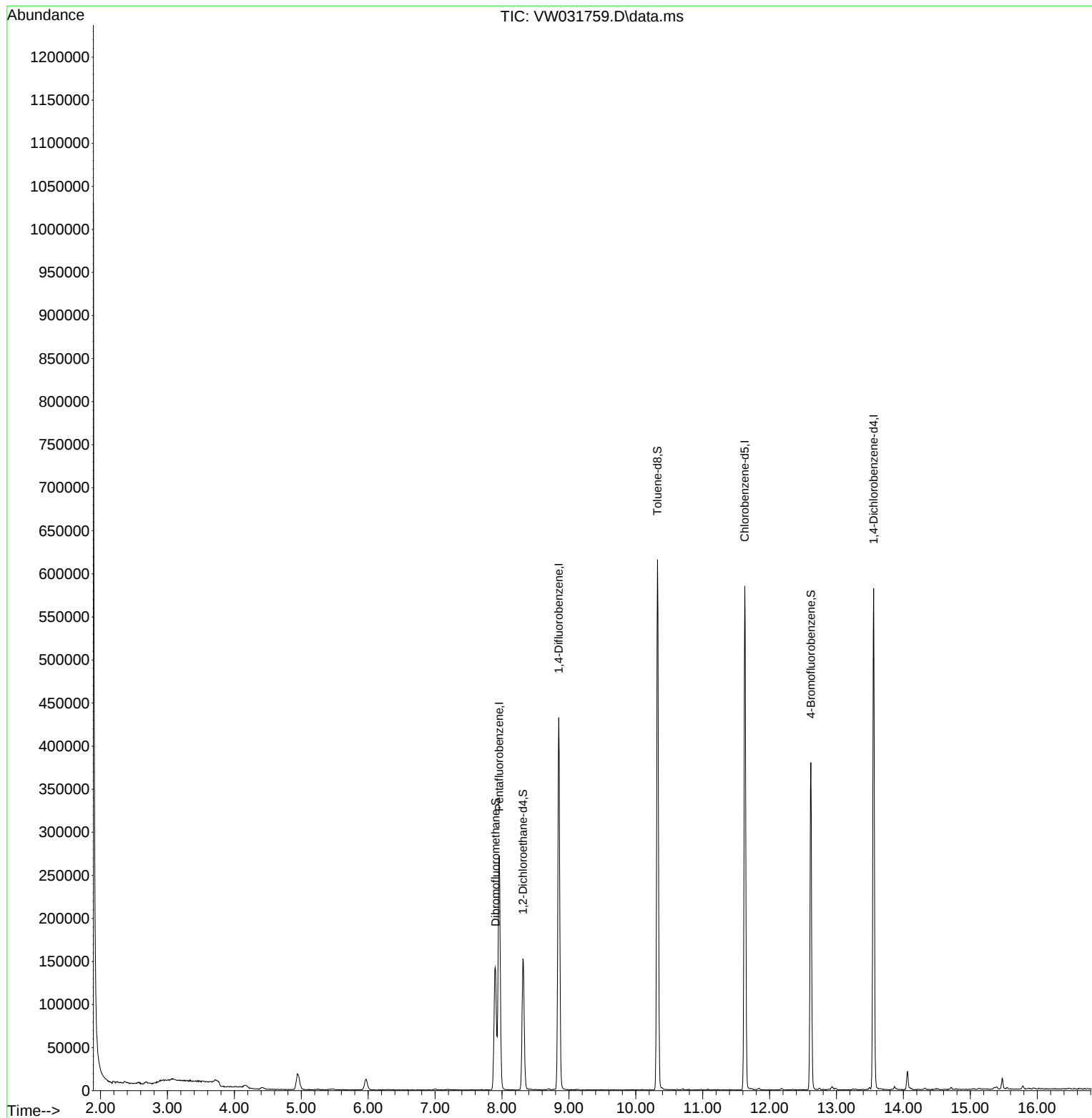
Target Compounds	Qvalue

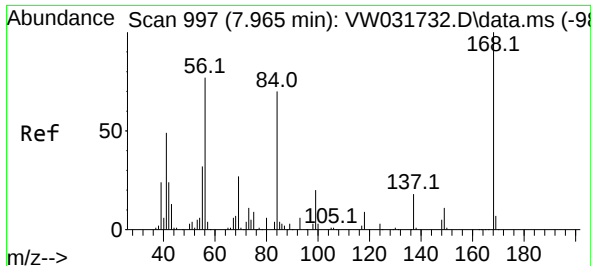
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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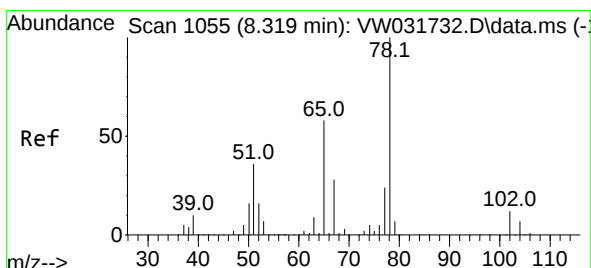
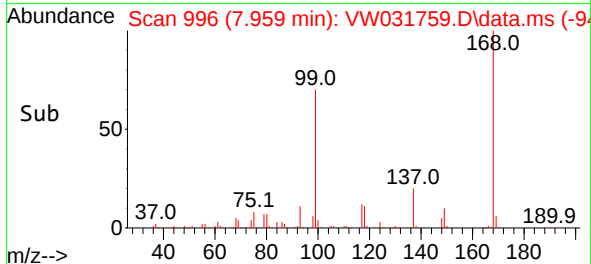
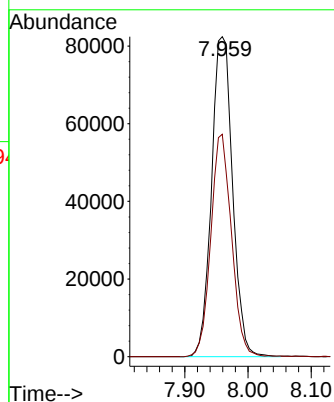
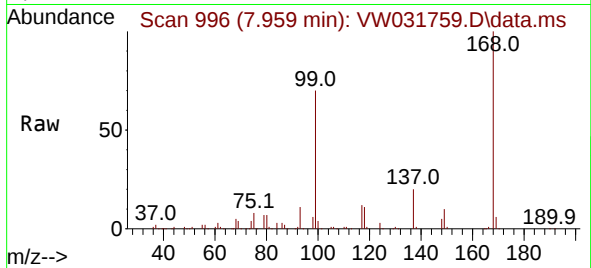




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031759.D
Acq: 03 Jul 2025 10:45

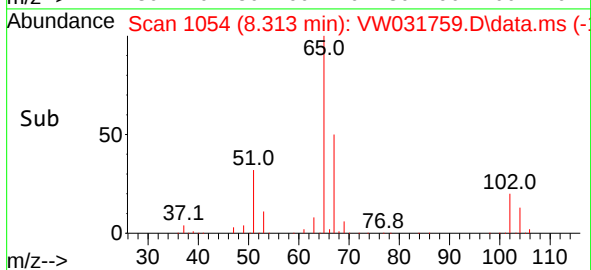
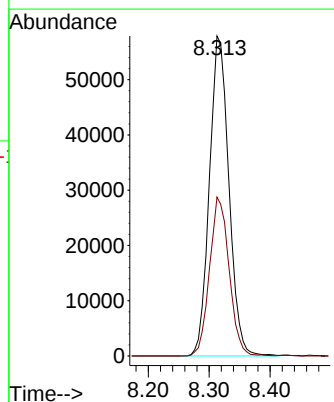
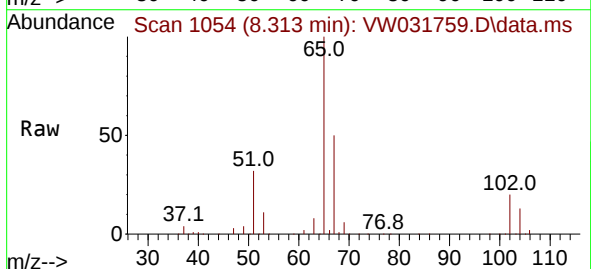
Instrument :
MSVOA_W
ClientSampleId :
VW0703SBL01

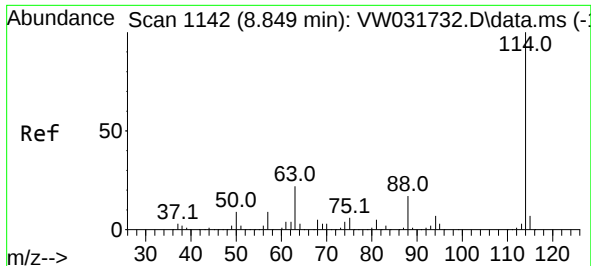
Tgt Ion:168 Resp: 190641
Ion Ratio Lower Upper
168 100
99 69.5 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 46.984 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW031759.D
Acq: 03 Jul 2025 10:45

Tgt Ion: 65 Resp: 128543
Ion Ratio Lower Upper
65 100
67 49.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031759.D

Acq: 03 Jul 2025 10:45

Instrument :

MSVOA_W

ClientSampleId :

VW0703SBL01

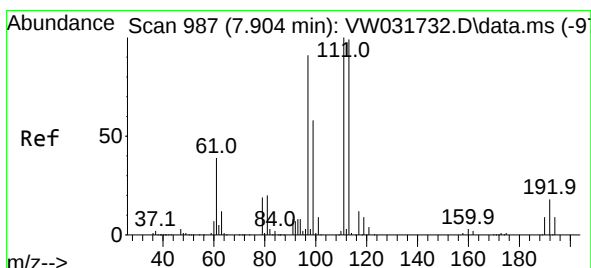
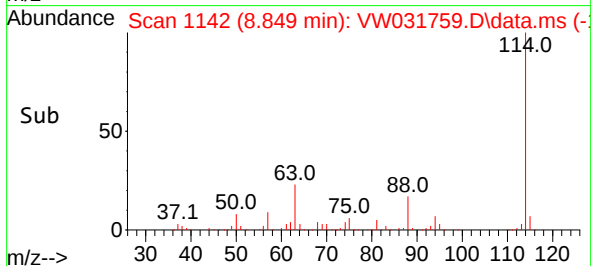
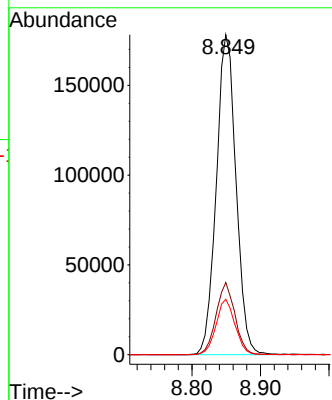
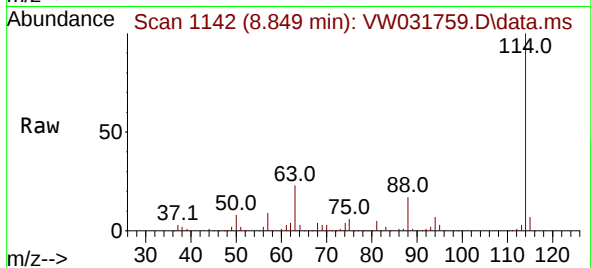
Tgt Ion:114 Resp: 354376

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.6

88 17.3 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.197 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031759.D

Acq: 03 Jul 2025 10:45

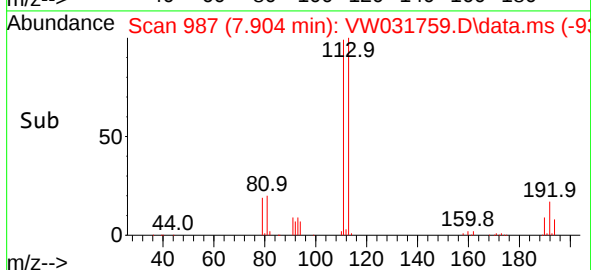
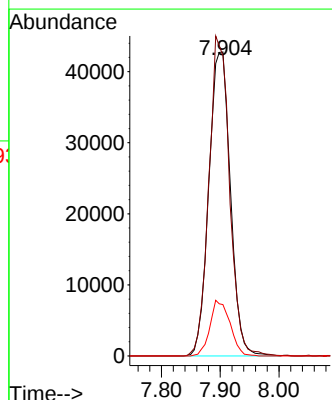
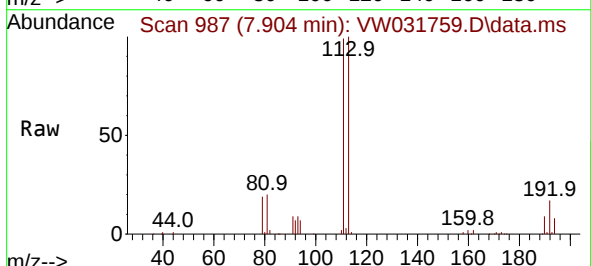
Tgt Ion:113 Resp: 109142

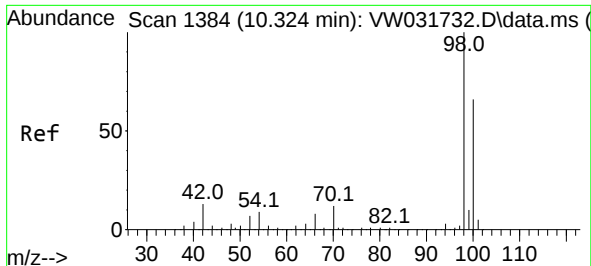
Ion Ratio Lower Upper

113 100

111 100.9 82.1 123.1

192 17.0 13.8 20.6

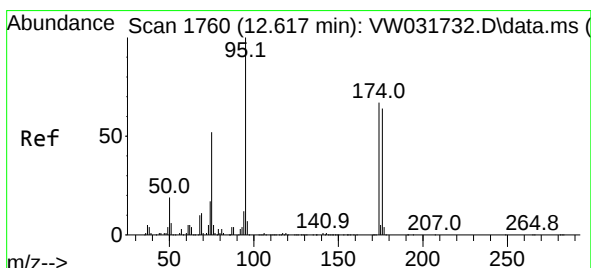
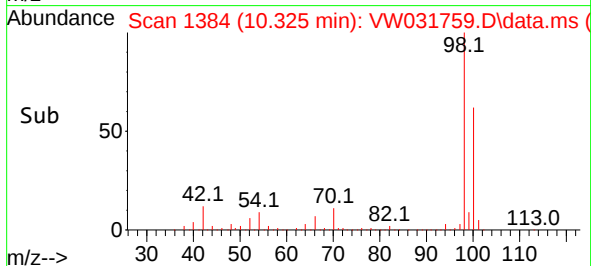
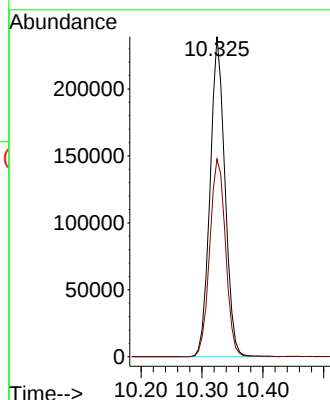
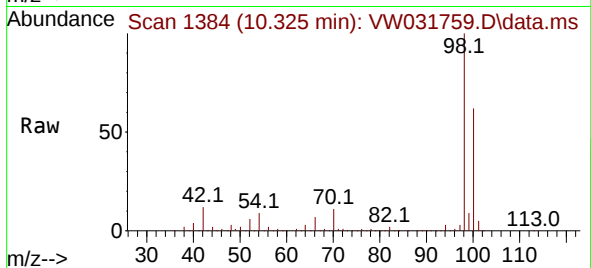




#50
Toluene-d8
Concen: 47.109 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031759.D
Acq: 03 Jul 2025 10:45

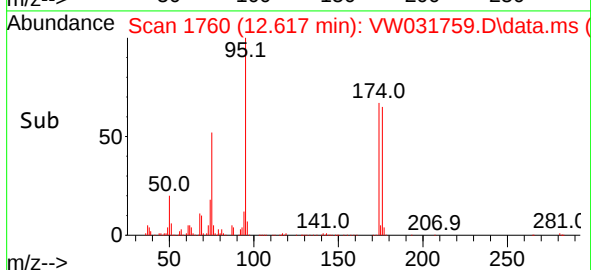
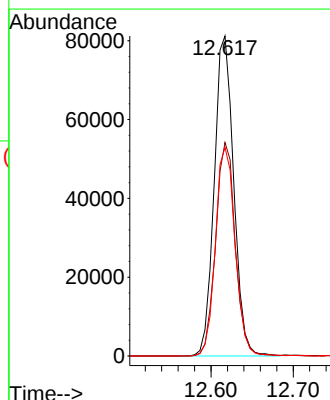
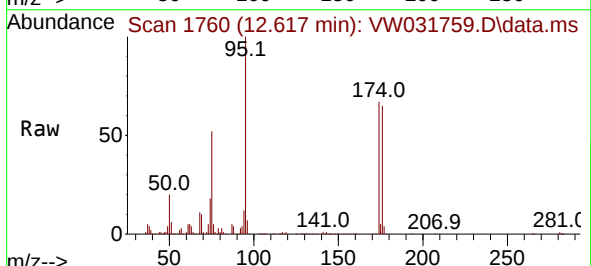
Instrument :
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VW0703SBL01

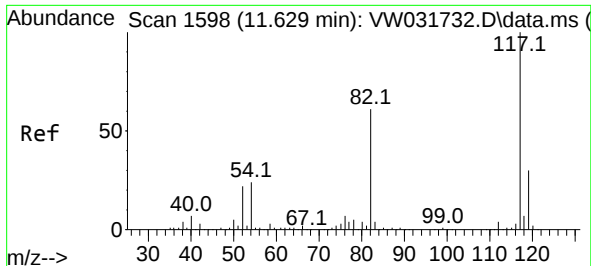
Tgt Ion: 98 Resp: 405403
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.069 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031759.D
Acq: 03 Jul 2025 10:45

Tgt Ion: 95 Resp: 133228
Ion Ratio Lower Upper
95 100
174 67.3 0.0 133.8
176 65.8 0.0 126.0

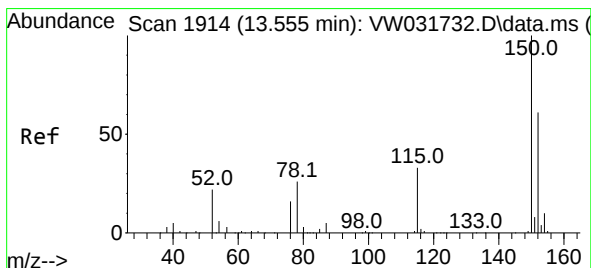
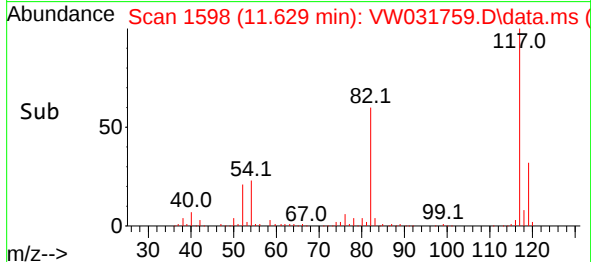
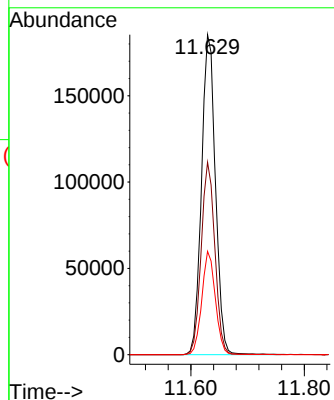
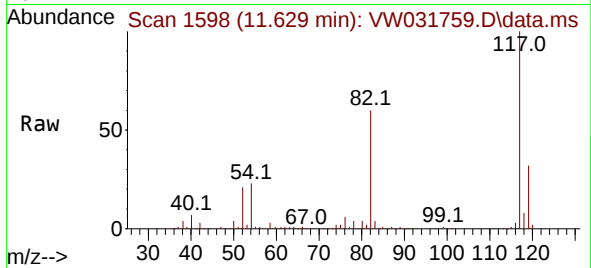




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031759.D
Acq: 03 Jul 2025 10:45

Instrument :
MSVOA_W
ClientSampleId :
VW0703SBL01

Tgt Ion:117 Resp: 316436
Ion Ratio Lower Upper
117 100
82 60.2 48.6 72.8
119 32.3 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: VW031759.D
Acq: 03 Jul 2025 10:45

Tgt Ion:152 Resp: 146308
Ion Ratio Lower Upper
152 100
115 62.8 31.9 95.7
150 155.6 0.0 356.4

