

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031876.D
 Acq On : 16 Jul 2025 15:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Jul 17 04:05:13 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	189892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387387	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	348662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	139291	51.113	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.220%
35) Dibromofluoromethane	7.904	113	124149	49.112	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	98.220%
50) Toluene-d8	10.325	98	477127	50.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.440%
62) 4-Bromofluorobenzene	12.617	95	244386	70.594	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	141.180%

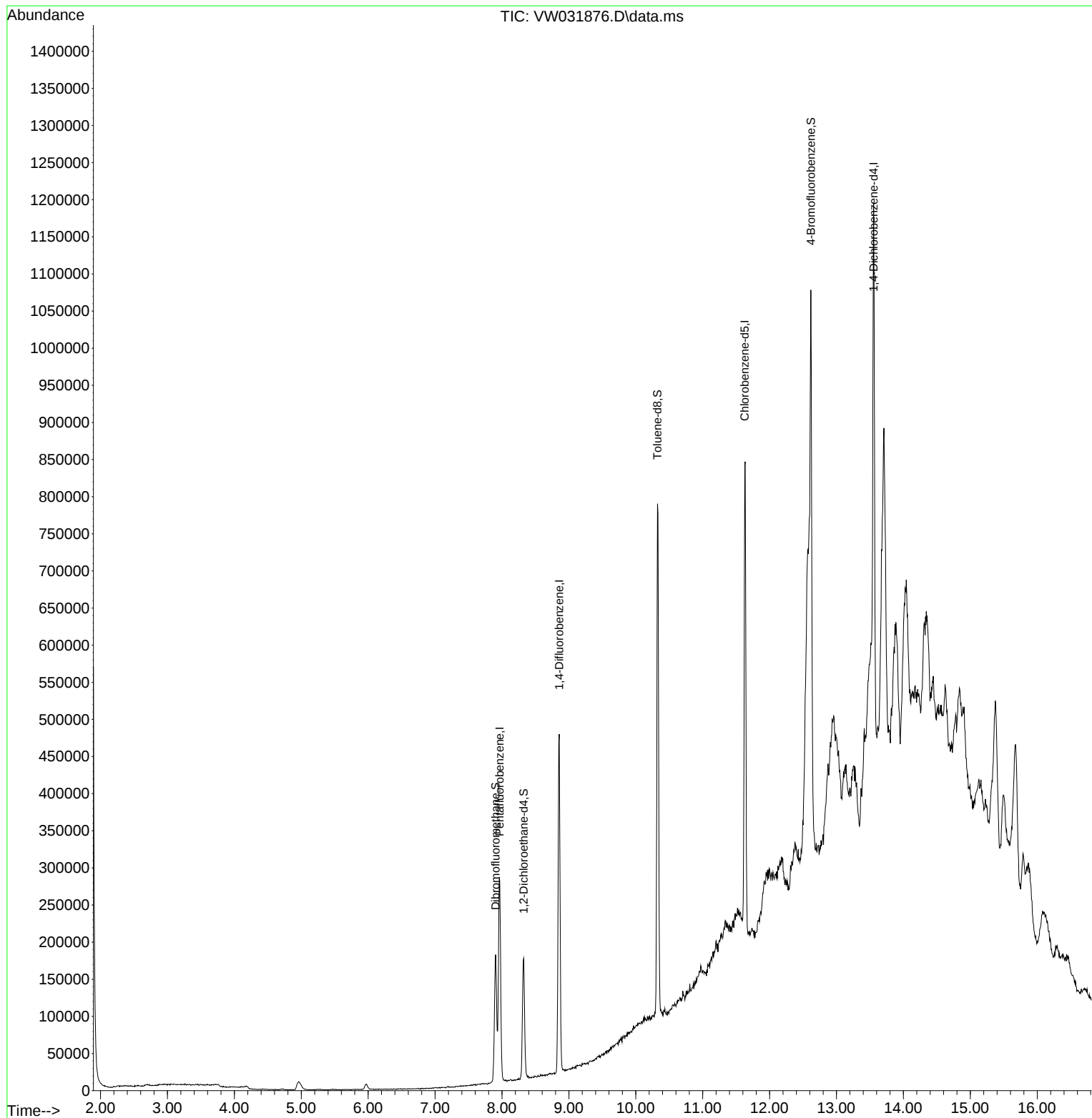
Target Compounds	Qvalue

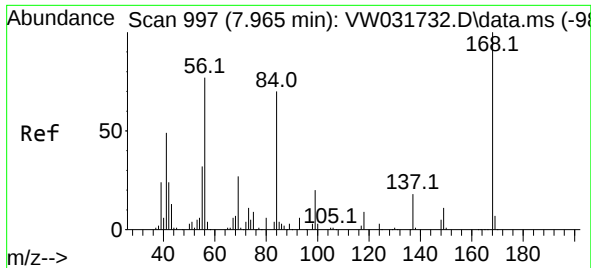
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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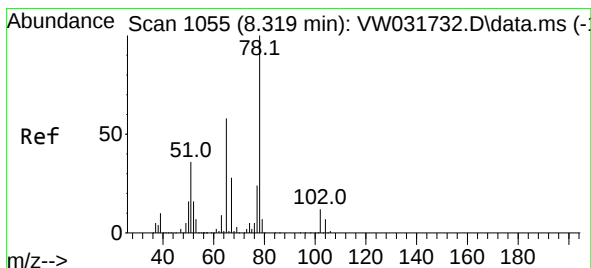
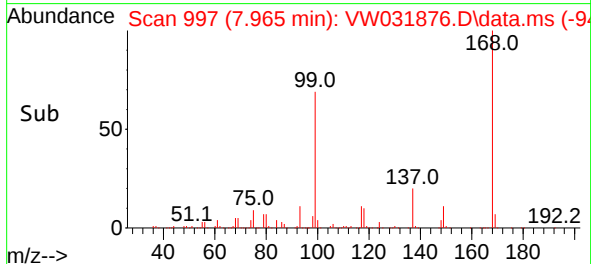
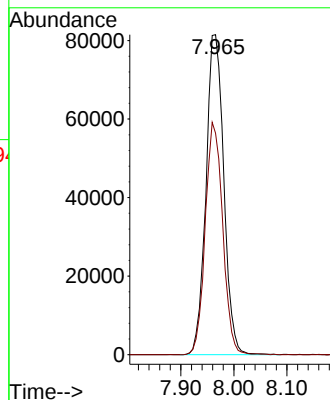
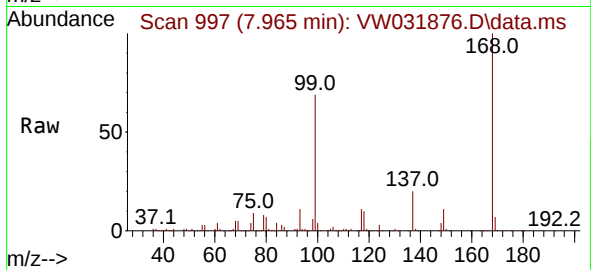




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031876.D
Acq: 16 Jul 2025 15:38

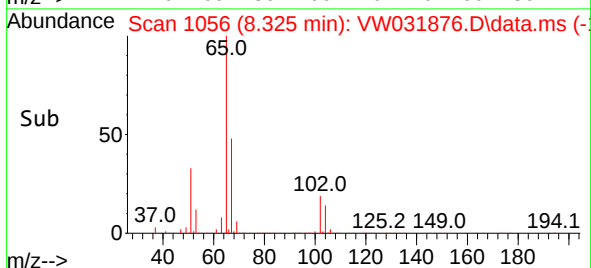
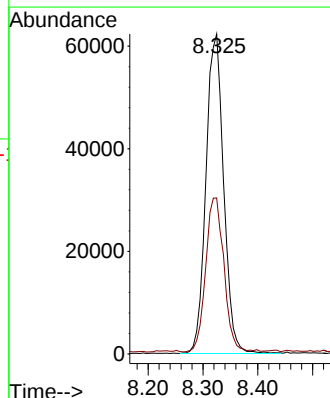
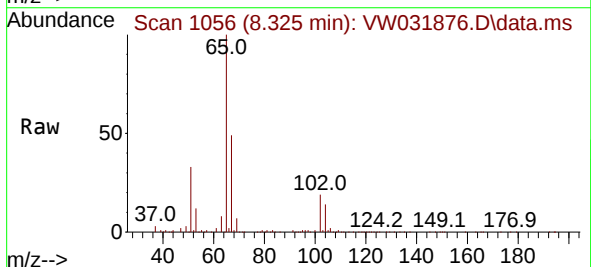
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

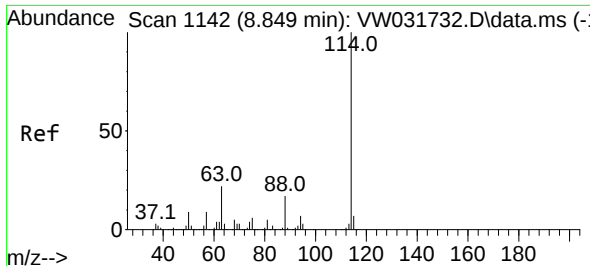
Tgt Ion:168 Resp: 189892
Ion Ratio Lower Upper
168 100
99 69.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 51.113 ug/l
RT: 8.325 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VW031876.D
Acq: 16 Jul 2025 15:38

Tgt Ion: 65 Resp: 139291
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.4

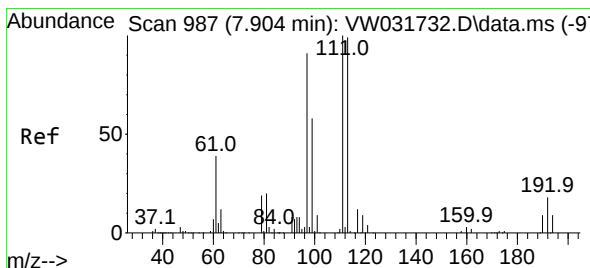
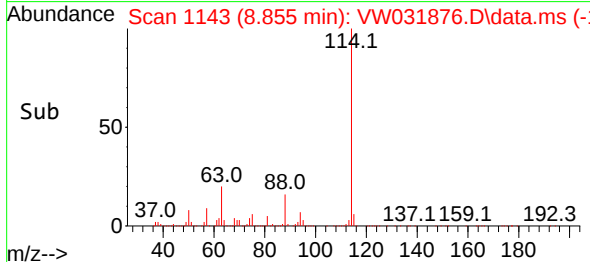
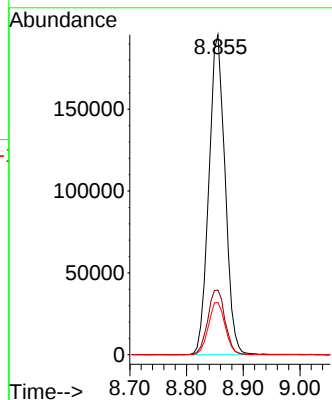
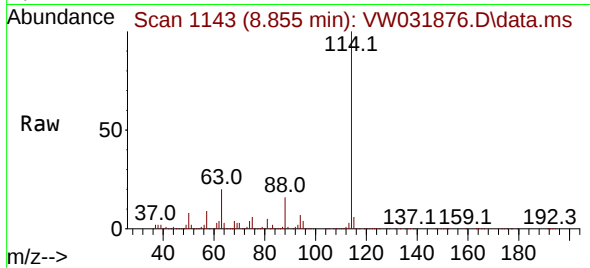




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031876.D
Acq: 16 Jul 2025 15:38

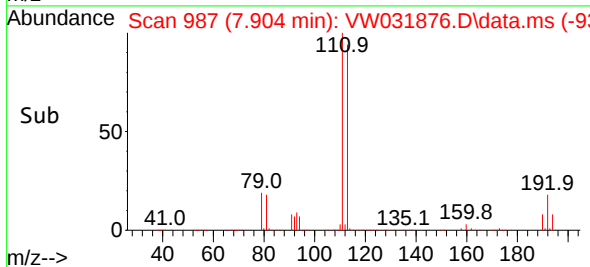
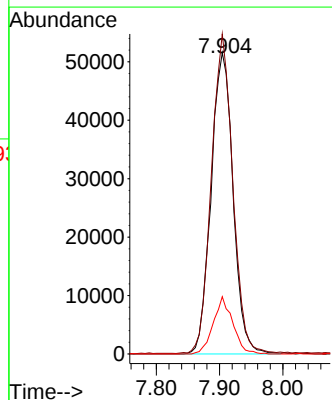
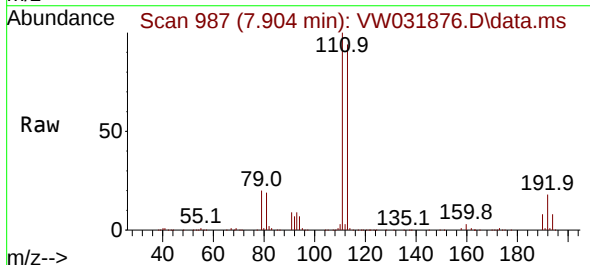
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

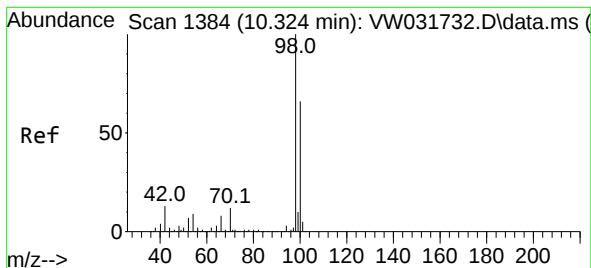
Tgt Ion:114 Resp: 387387
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.6
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.112 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031876.D
Acq: 16 Jul 2025 15:38

Tgt Ion:113 Resp: 124149
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 16.9 13.8 20.6





#50

Toluene-d8

Concen: 50.719 ug/l

RT: 10.325 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW031876.D

Acq: 16 Jul 2025 15:38

Instrument :

MSVOA_W

ClientSampleId :

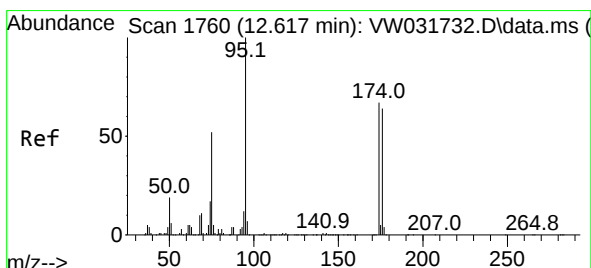
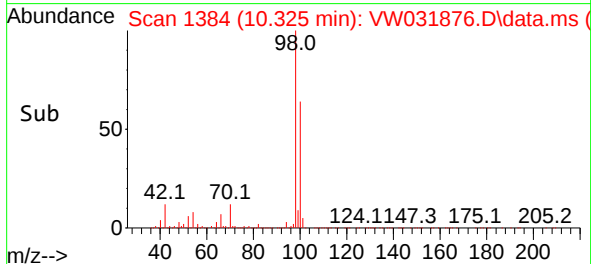
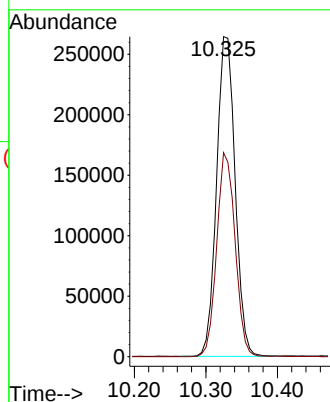
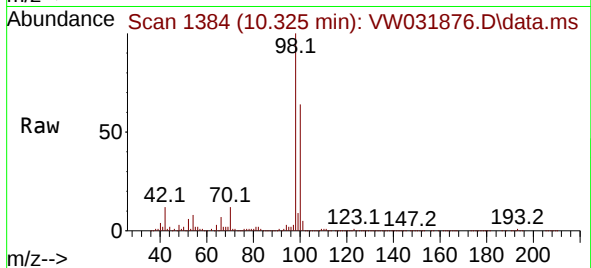
VIBLK

Tgt Ion: 98 Resp: 477127

Ion Ratio Lower Upper

98 100

100 63.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 70.594 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW031876.D

Acq: 16 Jul 2025 15:38

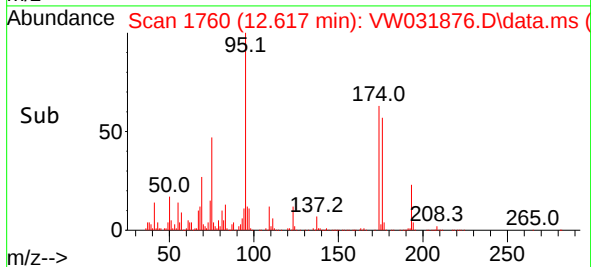
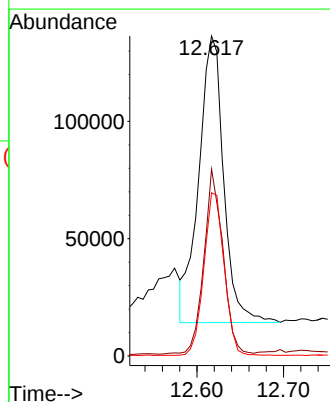
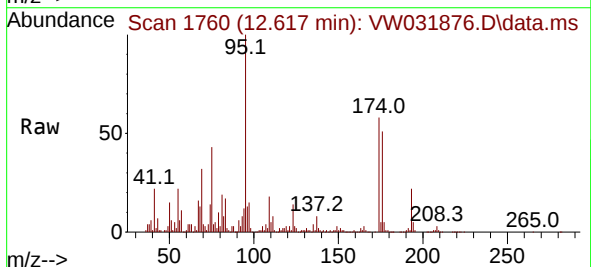
Tgt Ion: 95 Resp: 244386

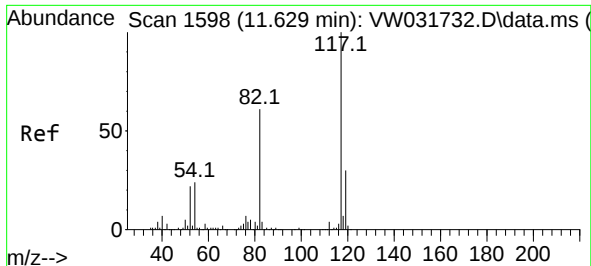
Ion Ratio Lower Upper

95 100

174 49.3 0.0 133.8

176 46.3 0.0 126.0

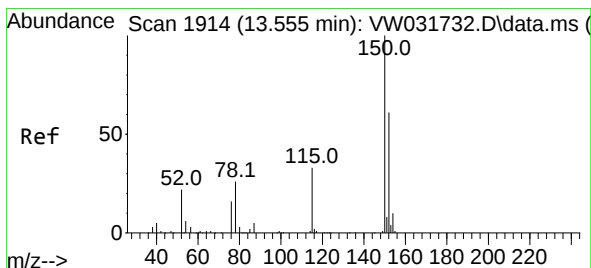
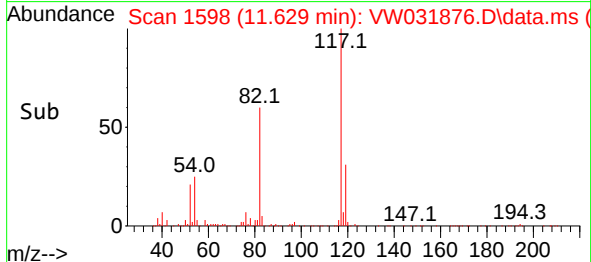
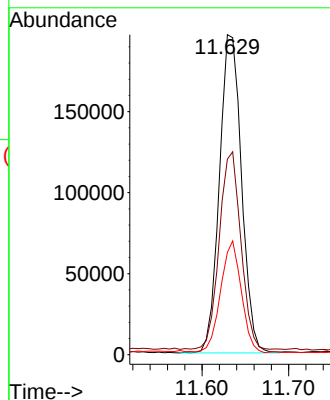
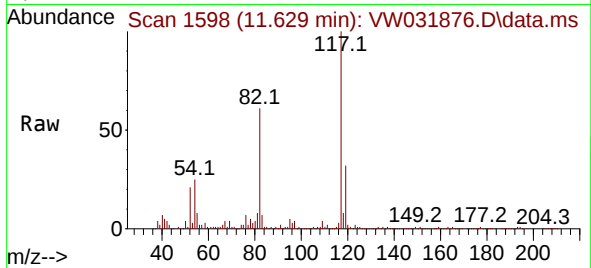




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031876.D
Acq: 16 Jul 2025 15:38

Instrument :
MSVOA_W
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 348662
Ion Ratio Lower Upper
117 100
82 59.8 48.6 72.8
119 31.4 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: VW031876.D
Acq: 16 Jul 2025 15:38

Tgt Ion:152 Resp: 182340
Ion Ratio Lower Upper
152 100
115 64.1 31.9 95.7
150 147.4 0.0 356.4

