

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031874.D
 Acq On : 16 Jul 2025 14:53
 Operator : SY/MD
 Sample : Q2618-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VOC

Quant Time: Jul 17 04:04:18 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	170339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	346398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	314446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	139848	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116395	47.614	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.220%
35) Dibromofluoromethane	7.898	113	103308	45.703	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	91.400%
50) Toluene-d8	10.325	98	371798	44.199	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.400%
62) 4-Bromofluorobenzene	12.617	95	144574	46.704	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	93.400%

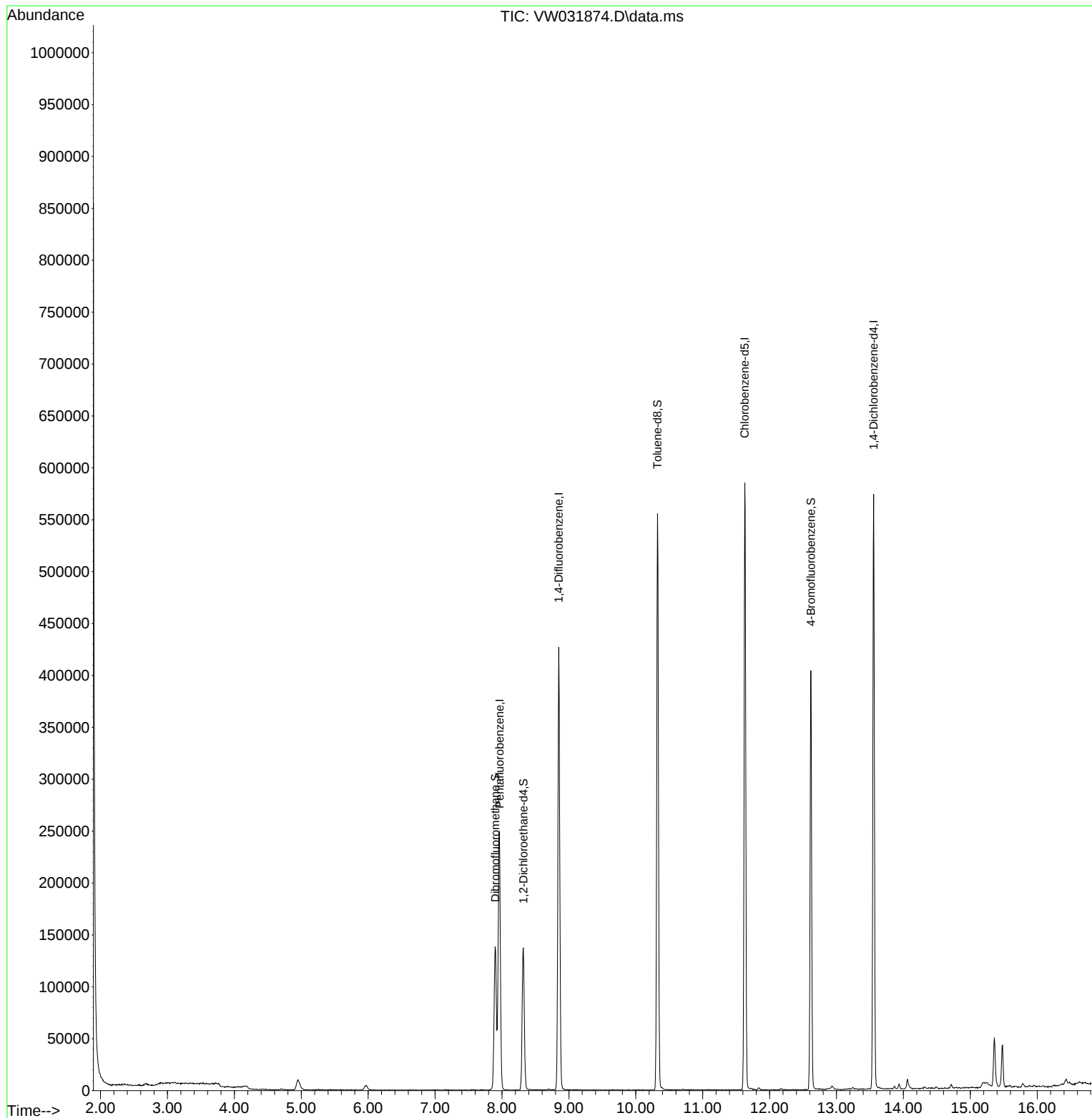
Target Compounds	Qvalue

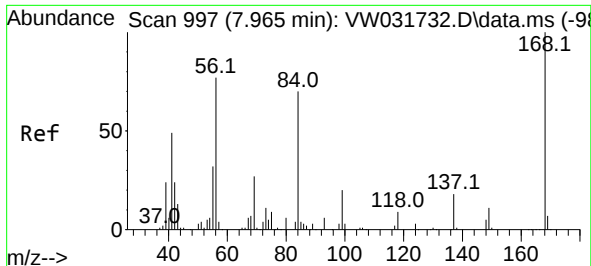
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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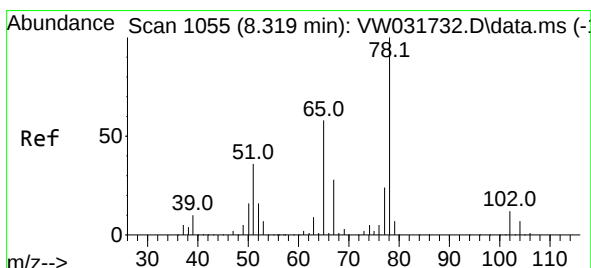
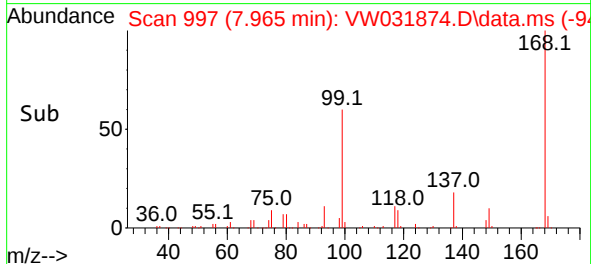
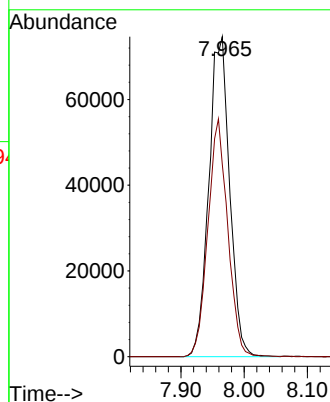
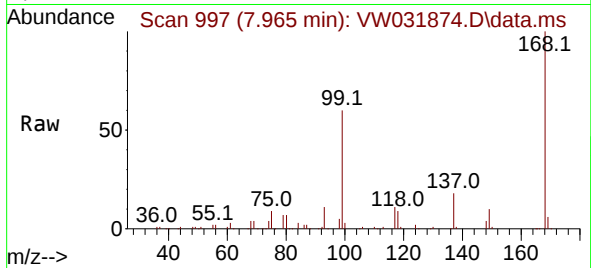




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

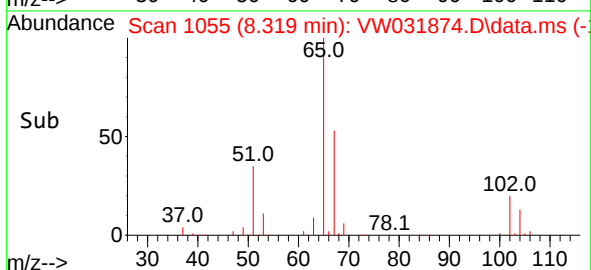
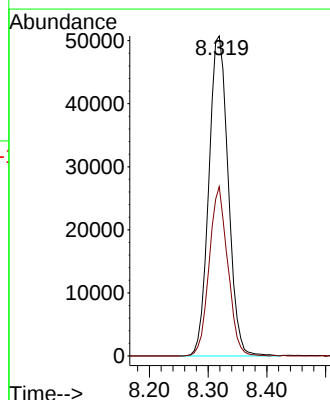
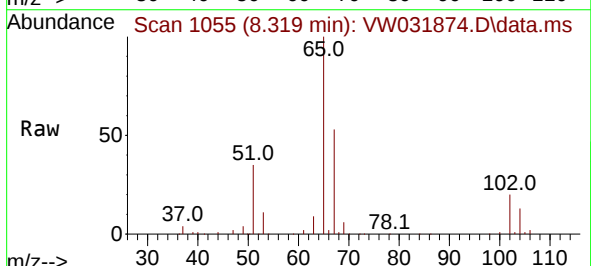
Instrument :
MSVOA_W
ClientSampleId :
VOC

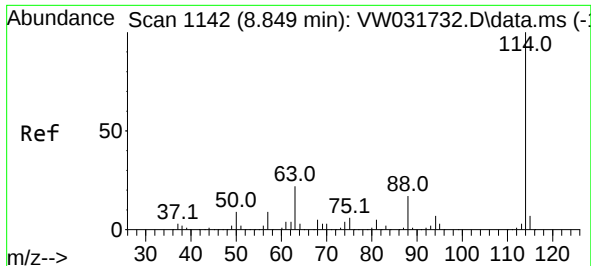
Tgt Ion:168 Resp: 170339
Ion Ratio Lower Upper
168 100
99 60.1 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 47.614 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 65 Resp: 116395
Ion Ratio Lower Upper
65 100
67 50.6 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: VW031874.D

Acq: 16 Jul 2025 14:53

Instrument :

MSVOA_W

ClientSampleId :

VOC

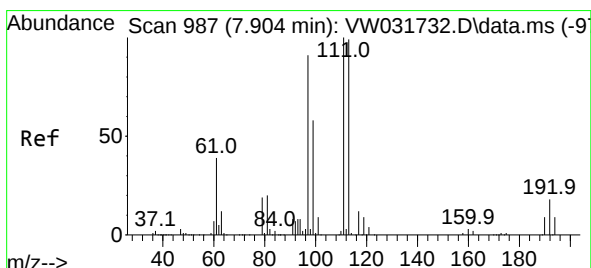
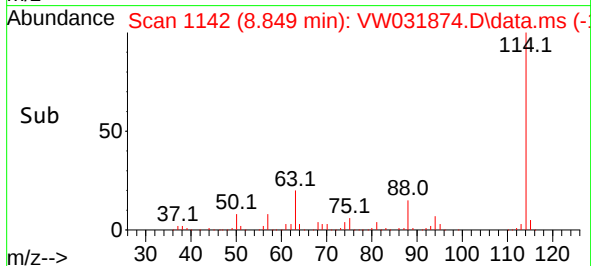
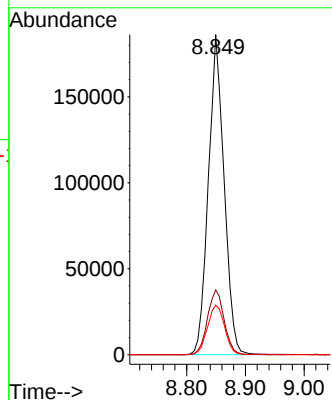
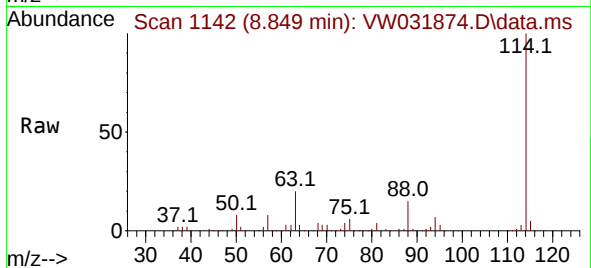
Tgt Ion:114 Resp: 346398

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 15.5 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.703 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031874.D

Acq: 16 Jul 2025 14:53

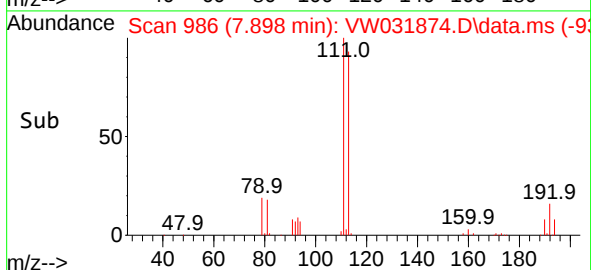
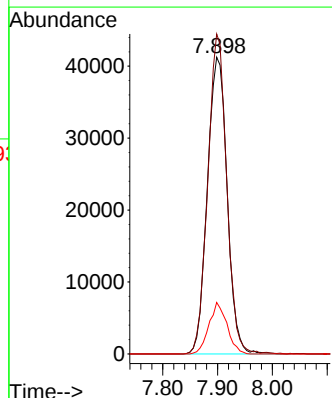
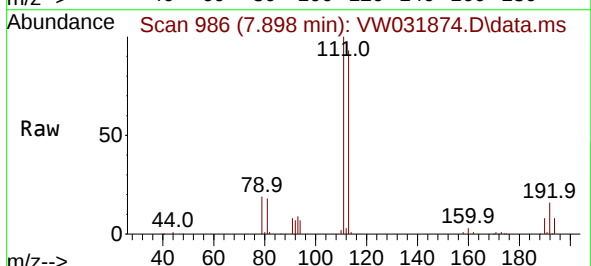
Tgt Ion:113 Resp: 103308

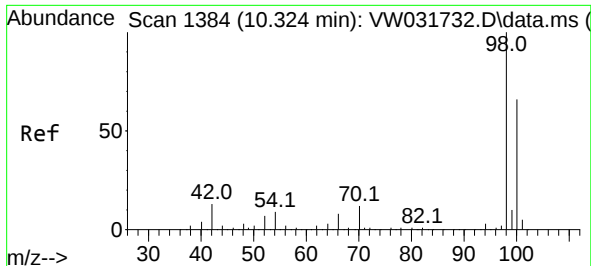
Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

192 15.9 13.8 20.6

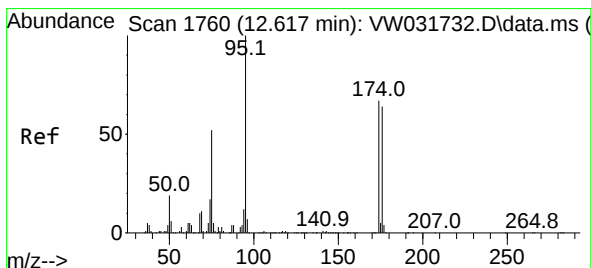
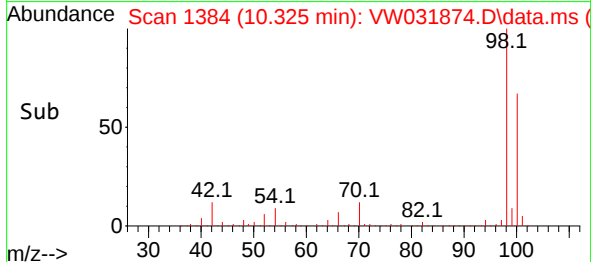
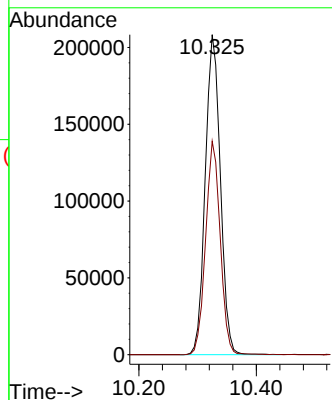
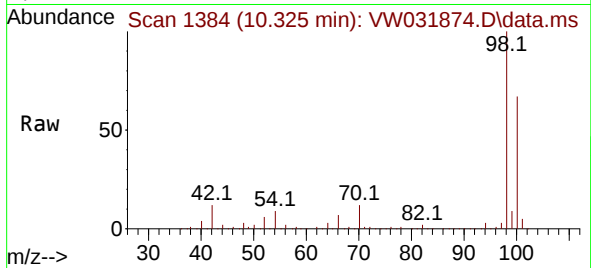




#50
Toluene-d8
Concen: 44.199 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

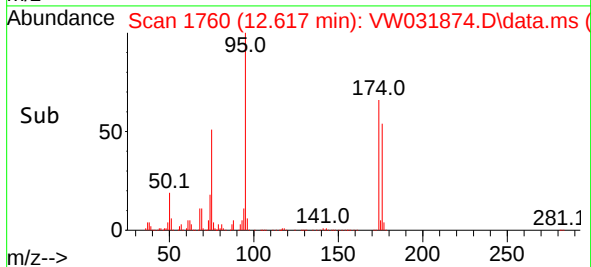
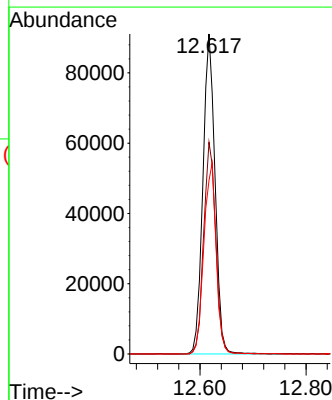
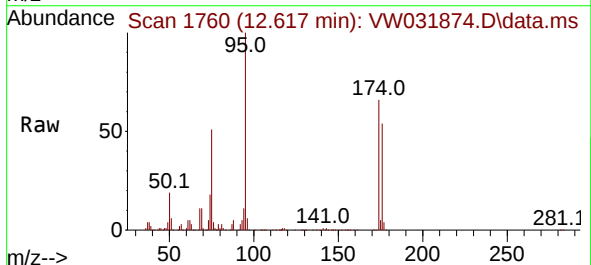
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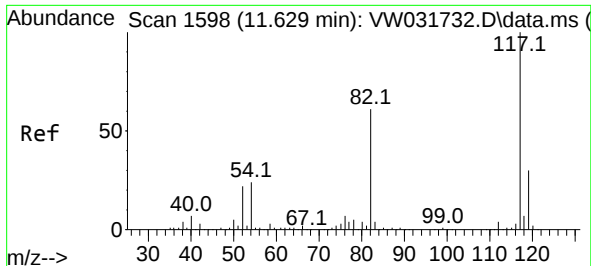
Tgt Ion: 98 Resp: 371798
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.704 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion: 95 Resp: 144574
Ion Ratio Lower Upper
95 100
174 65.9 0.0 133.8
176 60.5 0.0 126.0

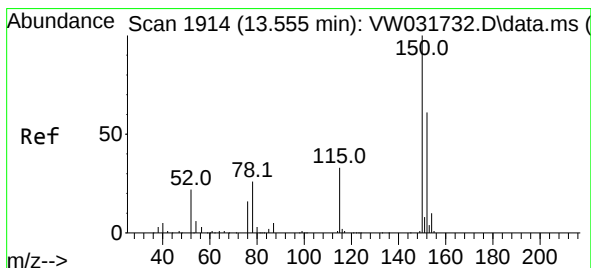
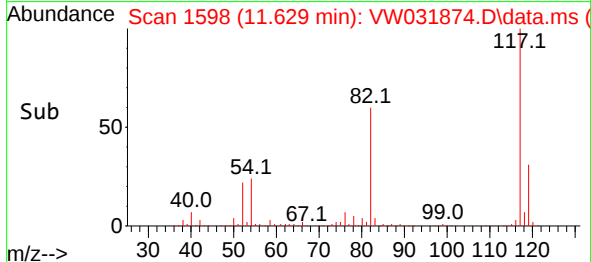
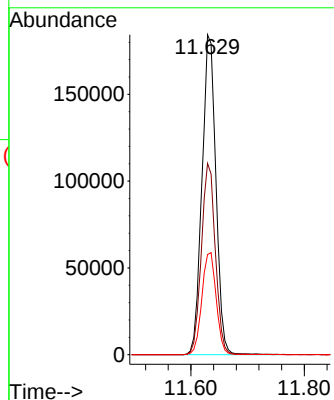
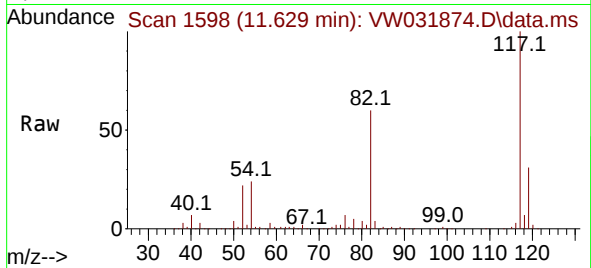




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031874.D
Acq: 16 Jul 2025 14:53

Instrument :
MSVOA_W
ClientSampleId :
VOC

Tgt Ion:117 Resp: 314446
Ion Ratio Lower Upper
117 100
82 59.8 48.6 72.8
119 31.3 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: VW031874.D
Acq: 16 Jul 2025 14:53

Tgt Ion:152 Resp: 139848
Ion Ratio Lower Upper
152 100
115 65.7 31.9 95.7
150 154.7 0.0 356.4

