

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031984.D
 Acq On : 01 Aug 2025 14:35
 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: Aug 01 23:13:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	175270	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	370738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	373448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	188571	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	143831	54.247	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.500%
35) Dibromofluoromethane	7.898	113	134709	53.473	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.940%
50) Toluene-d8	10.325	98	494219	51.835	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.617	95	192752	52.649	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.300%

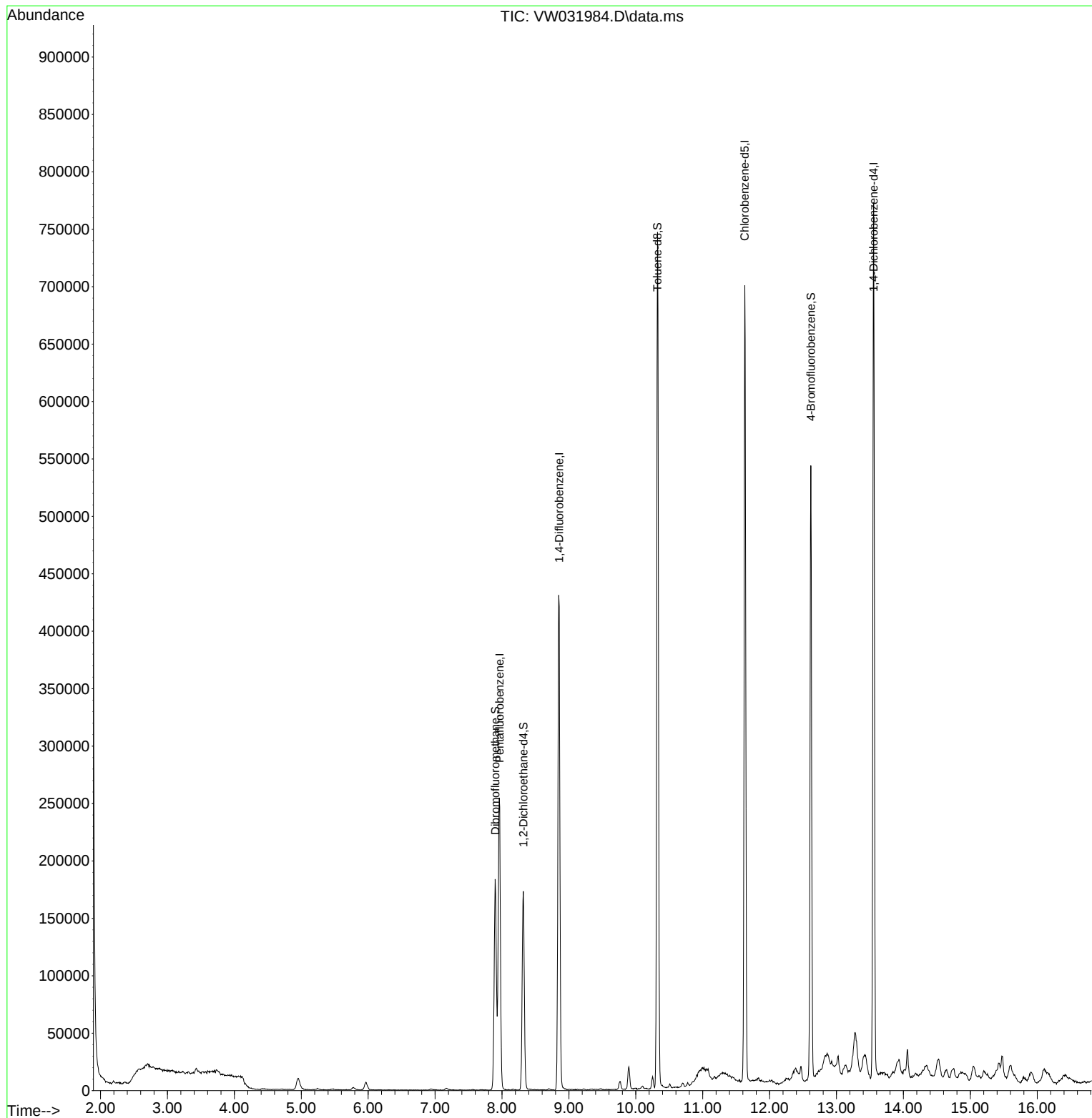
Target Compounds	Qvalue

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

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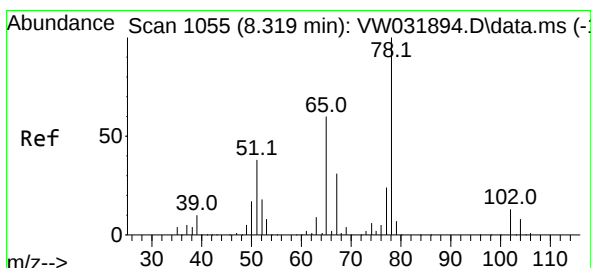
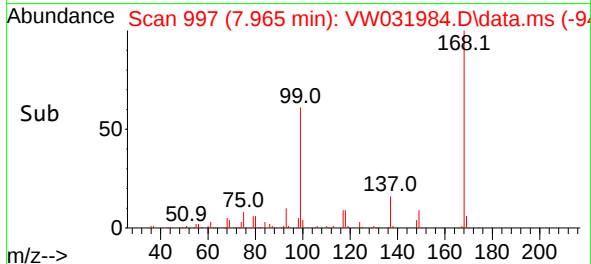
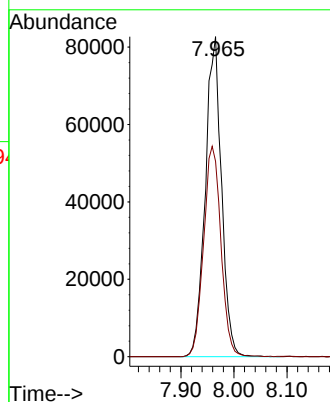
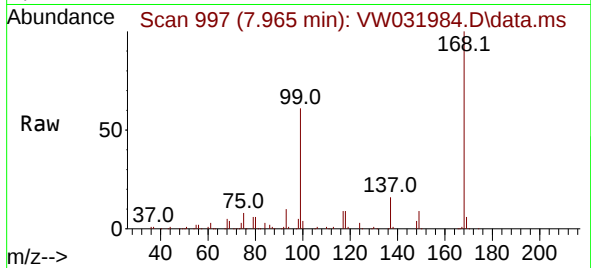




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031894.D
Acq: 01 Aug 2025 14:35

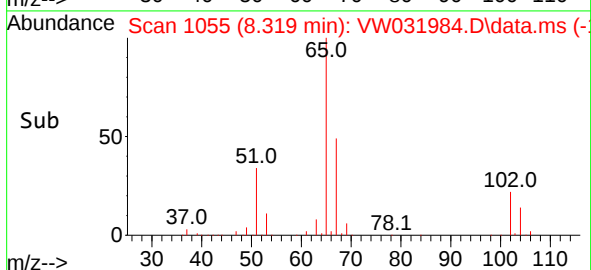
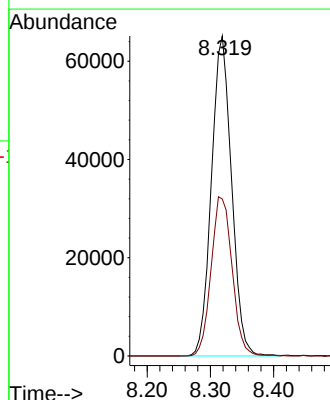
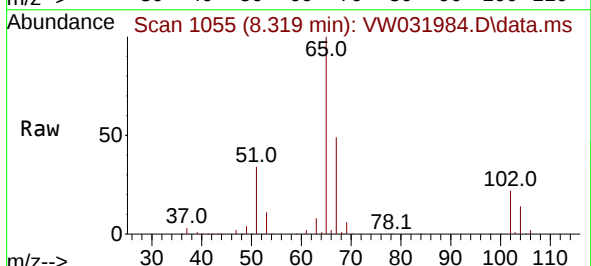
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

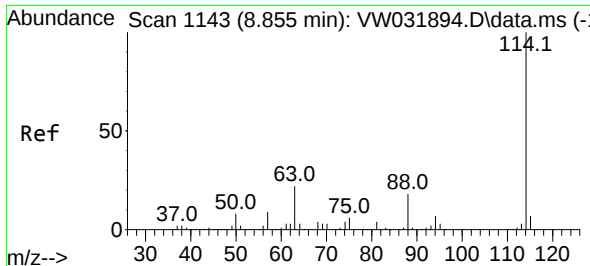
Tgt Ion:168 Resp: 175270
Ion Ratio Lower Upper
168 100
99 61.1 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 54.247 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 65 Resp: 143831
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.4

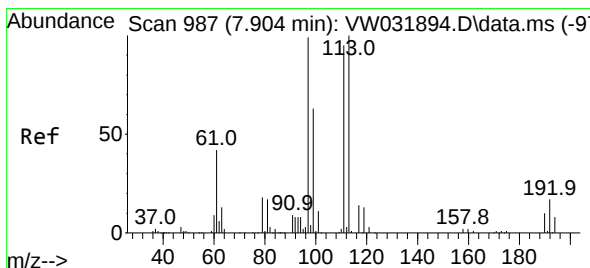
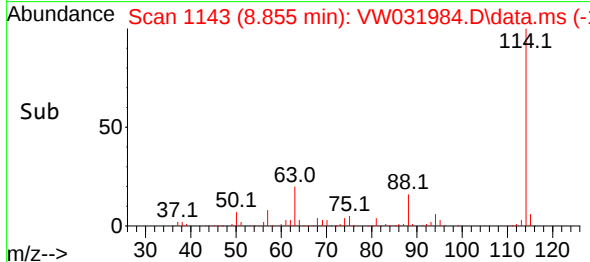
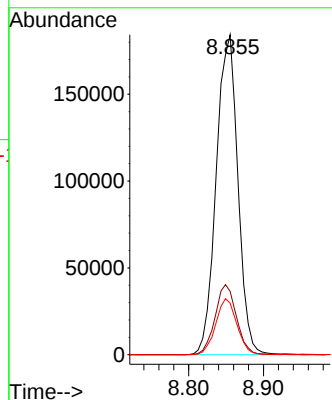
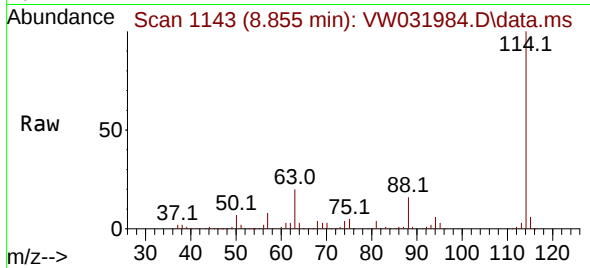




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

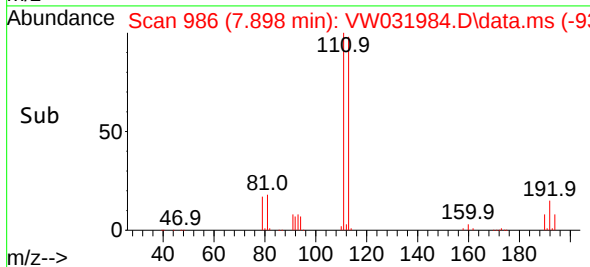
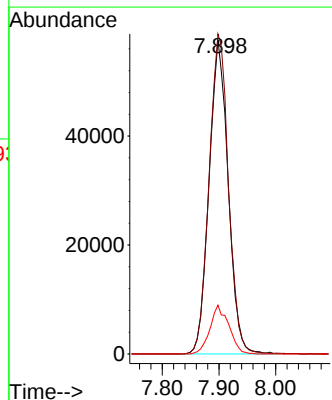
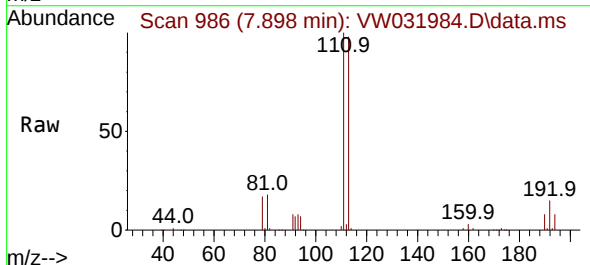
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

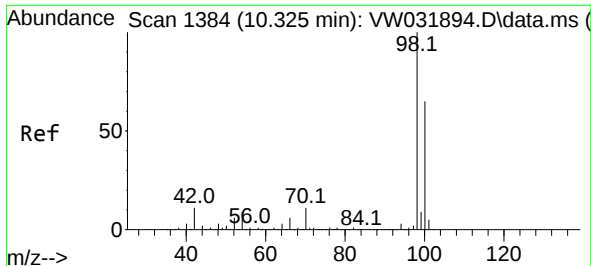
Tgt Ion:114 Resp: 370738
Ion Ratio Lower Upper
114 100
63 19.8 0.0 44.2
88 16.1 0.0 35.6



#35
Dibromofluoromethane
Concen: 53.473 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion:113 Resp: 134709
Ion Ratio Lower Upper
113 100
111 103.4 79.9 119.9
192 15.4 12.6 19.0

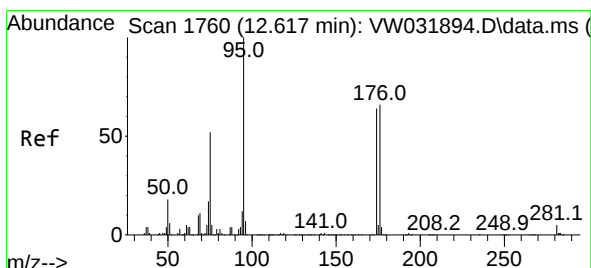
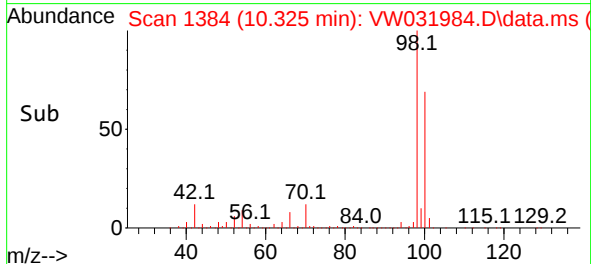
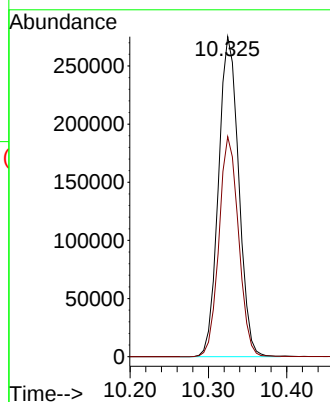
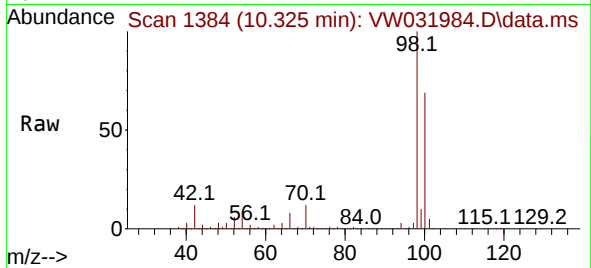




#50
Toluene-d8
Concen: 51.835 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

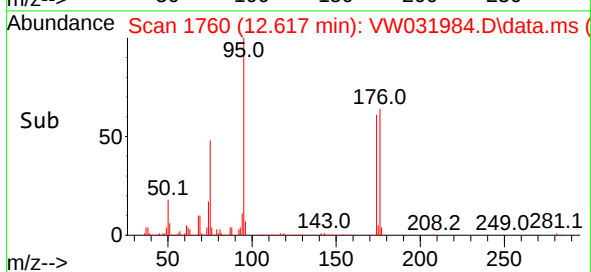
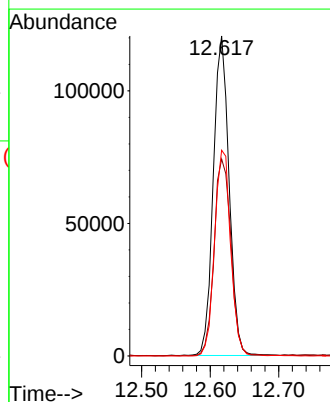
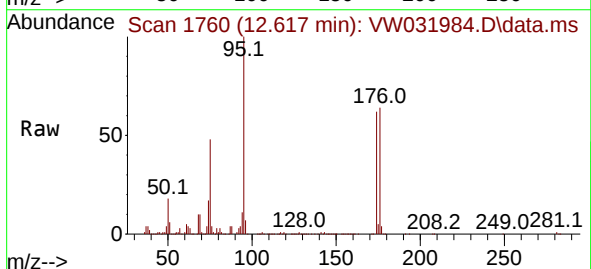
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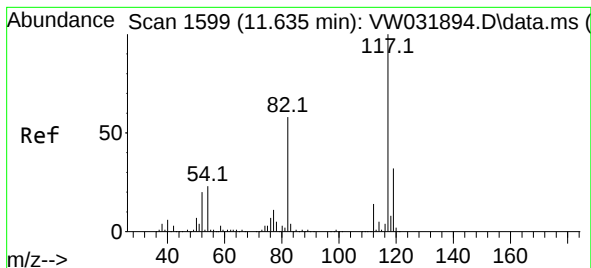
Tgt Ion: 98 Resp: 494219
Ion Ratio Lower Upper
98 100
100 66.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 52.649 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031984.D
Acq: 01 Aug 2025 14:35

Tgt Ion: 95 Resp: 192752
Ion Ratio Lower Upper
95 100
174 65.7 0.0 129.8
176 65.6 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW031984.D

Acq: 01 Aug 2025 14:35

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

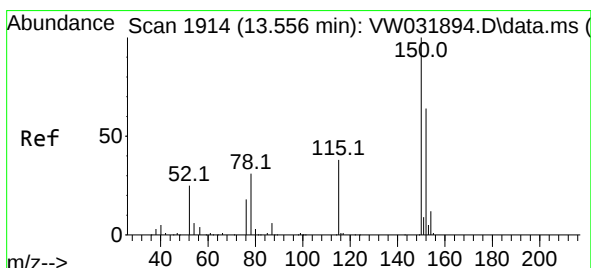
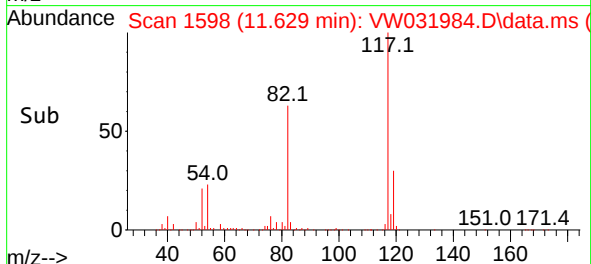
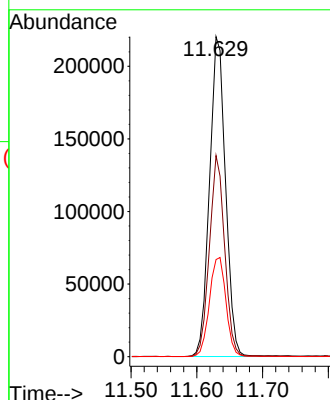
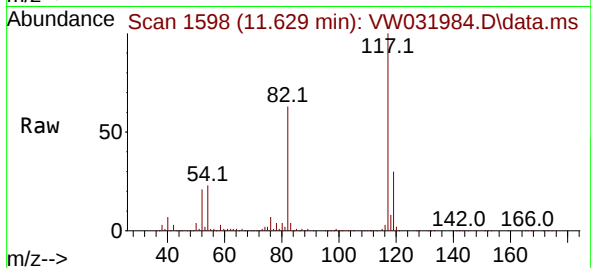
Tgt Ion:117 Resp: 373448

Ion Ratio Lower Upper

117 100

82 62.8 46.5 69.7

119 30.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031984.D

Acq: 01 Aug 2025 14:35

Tgt Ion:152 Resp: 188571

Ion Ratio Lower Upper

152 100

115 66.0 33.4 100.1

150 163.3 0.0 352.2

