

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031978.D
 Acq On : 01 Aug 2025 12:18
 Operator : SY/MD
 Sample : Q2747-01
 Misc : 3.90g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 01 23:11:26 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	162957	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	375651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	313359	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	103107	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	133984	54.352	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	108.700%
35) Dibromofluoromethane	7.904	113	119893	46.969	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.940%
50) Toluene-d8	10.331	98	425552	44.049	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	88.100%
62) 4-Bromofluorobenzene	12.617	95	121638	32.790	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	65.580%

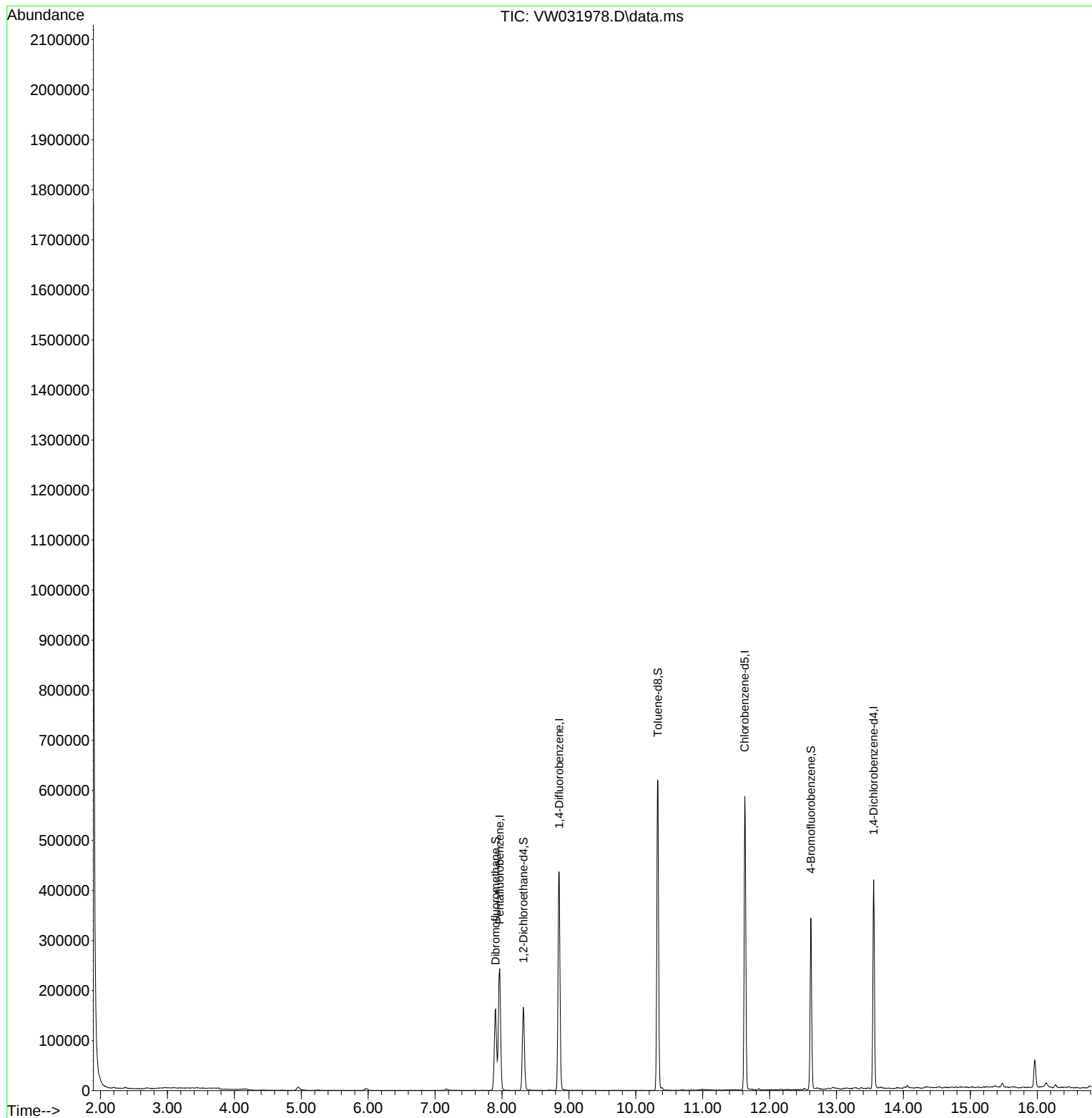
Target Compounds	Qvalue

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

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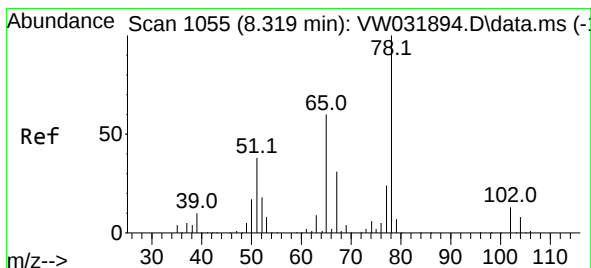
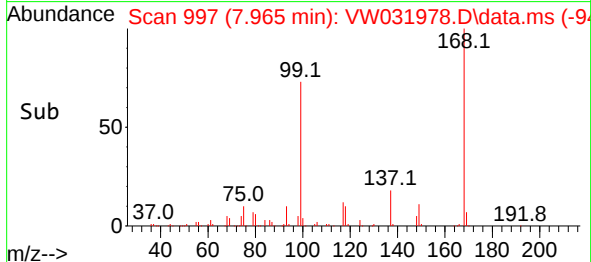
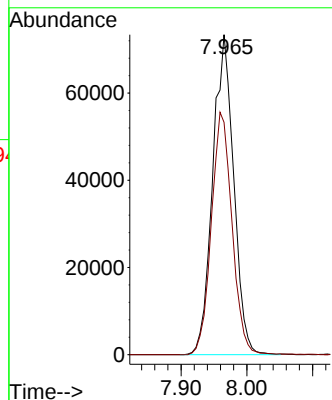
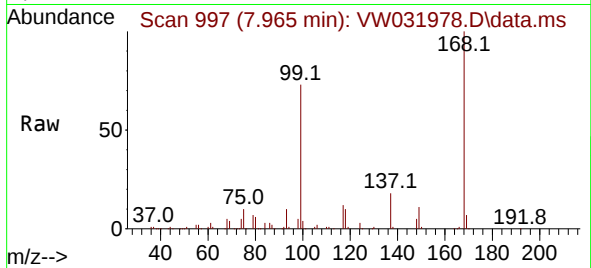




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

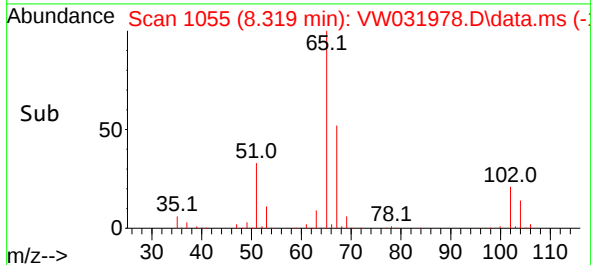
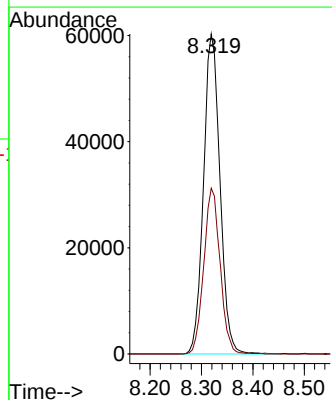
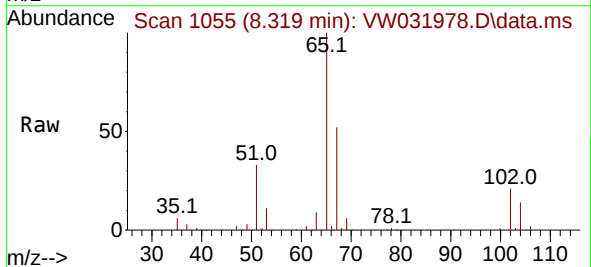
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

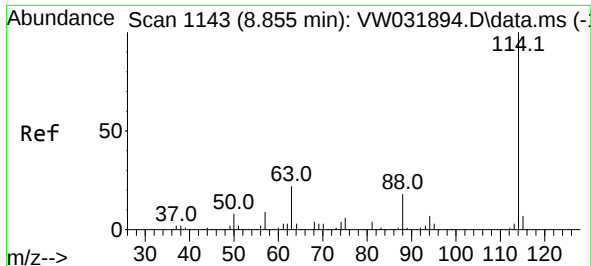
Tgt Ion:168 Resp: 162957
Ion Ratio Lower Upper
168 100
99 72.6 48.2 72.2#



#33
1,2-Dichloroethane-d4
Concen: 54.352 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion: 65 Resp: 133984
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

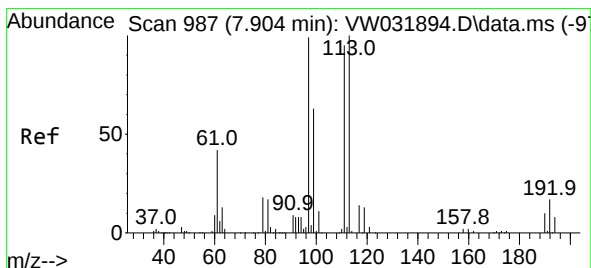
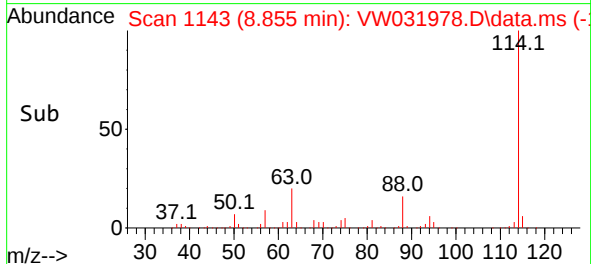
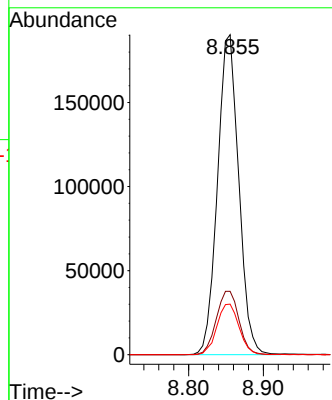
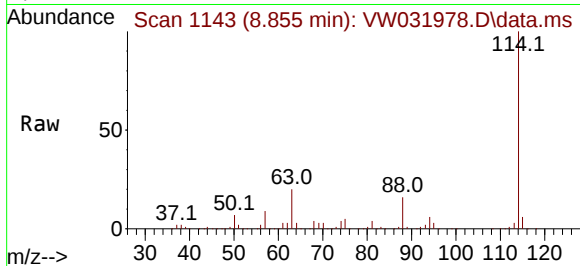




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.000 min
 Lab File: VW031978.D
 Acq: 01 Aug 2025 12:18

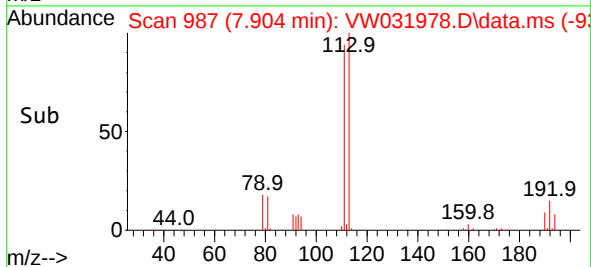
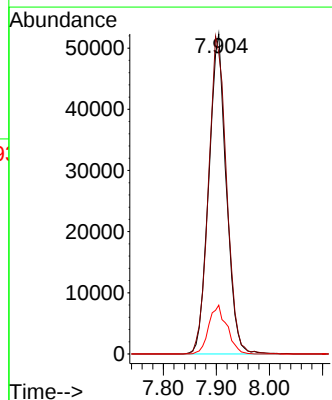
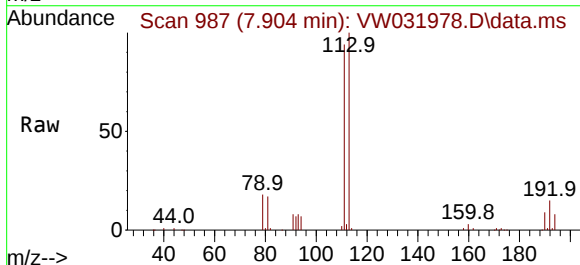
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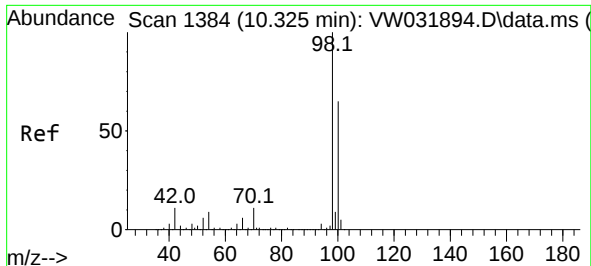
Tgt Ion:114 Resp: 375651
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.2
 88 15.8 0.0 35.6



#35
 Dibromofluoromethane
 Concen: 46.969 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. 0.000 min
 Lab File: VW031978.D
 Acq: 01 Aug 2025 12:18

Tgt Ion:113 Resp: 119893
 Ion Ratio Lower Upper
 113 100
 111 102.7 79.9 119.9
 192 15.8 12.6 19.0

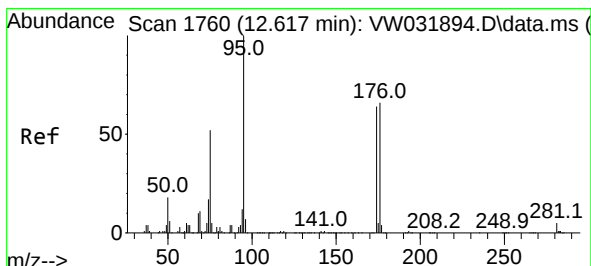
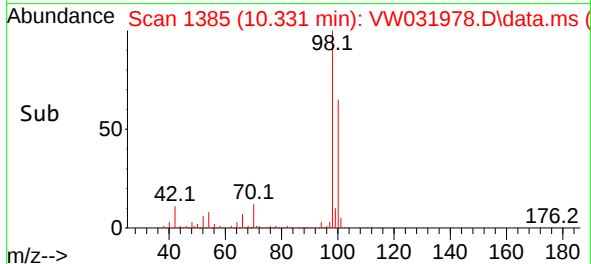
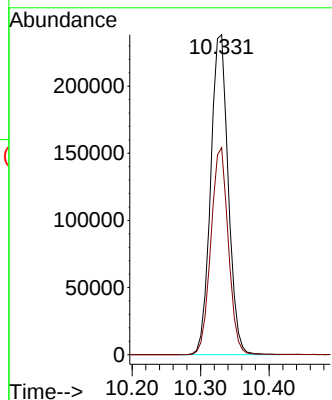
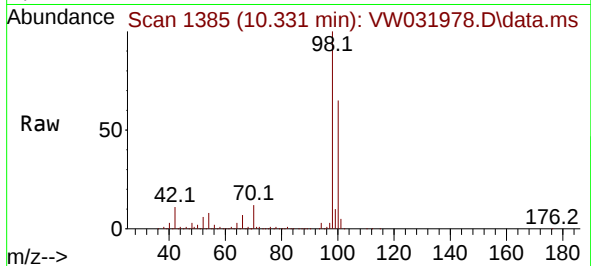




#50
Toluene-d8
Concen: 44.049 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

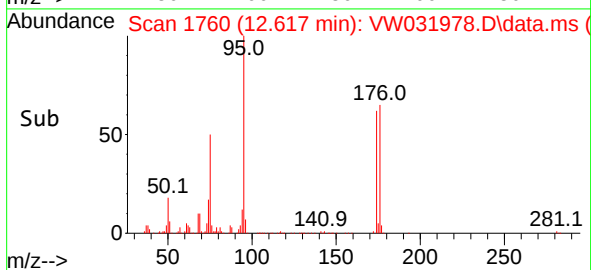
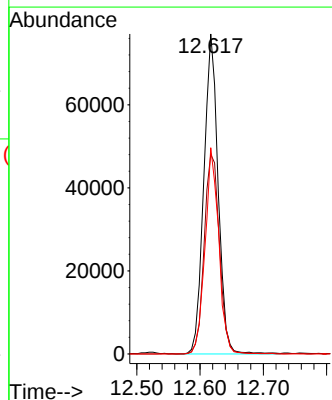
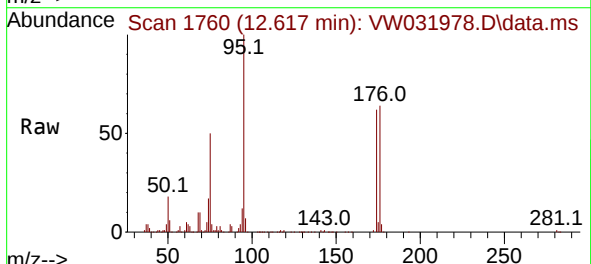
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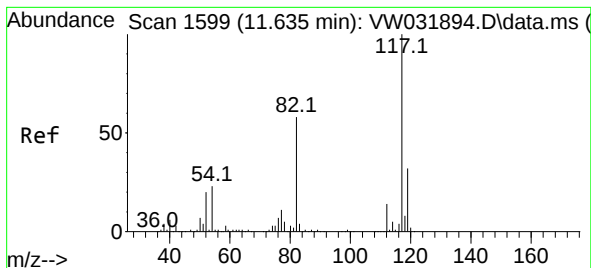
Tgt Ion: 98 Resp: 425552
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 32.790 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031978.D
Acq: 01 Aug 2025 12:18

Tgt Ion: 95 Resp: 121638
Ion Ratio Lower Upper
95 100
174 66.5 0.0 129.8
176 61.7 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: VW031978.D

Acq: 01 Aug 2025 12:18

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG2-073125

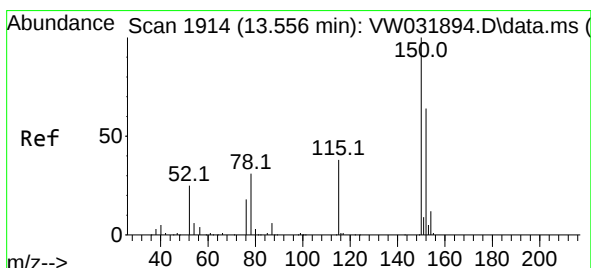
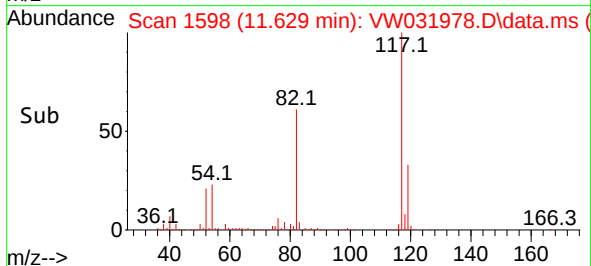
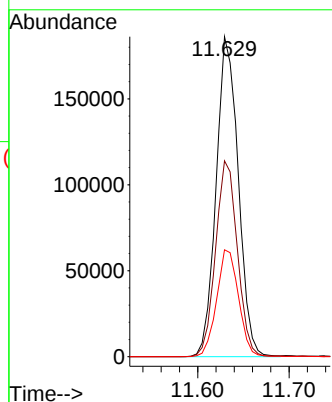
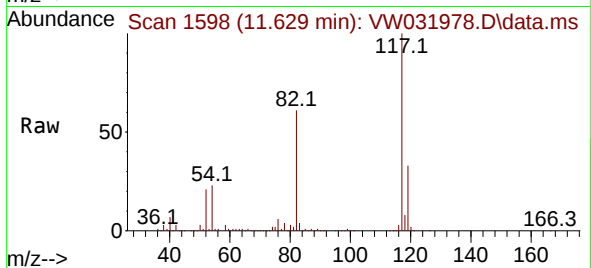
Tgt Ion:117 Resp: 313359

Ion Ratio Lower Upper

117 100

82 61.2 46.5 69.7

119 33.4 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: VW031978.D

Acq: 01 Aug 2025 12:18

Tgt Ion:152 Resp: 103107

Ion Ratio Lower Upper

152 100

115 67.5 33.4 100.1

150 160.6 0.0 352.2

