

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080125\
 Data File : VW031980.D
 Acq On : 01 Aug 2025 13:02
 Operator : SY/MD
 Sample : Q2747-05
 Misc : 4.11g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-GRILLO-OG4-073125

Quant Time: Aug 01 23:12:15 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	7.959	168	176395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	371246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	309612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	107269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127888	47.927	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.860%
35) Dibromofluoromethane	7.898	113	116760	46.284	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.560%
50) Toluene-d8	10.331	98	434704	45.531	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.060%
62) 4-Bromofluorobenzene	12.617	95	122959	33.540	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	67.080%

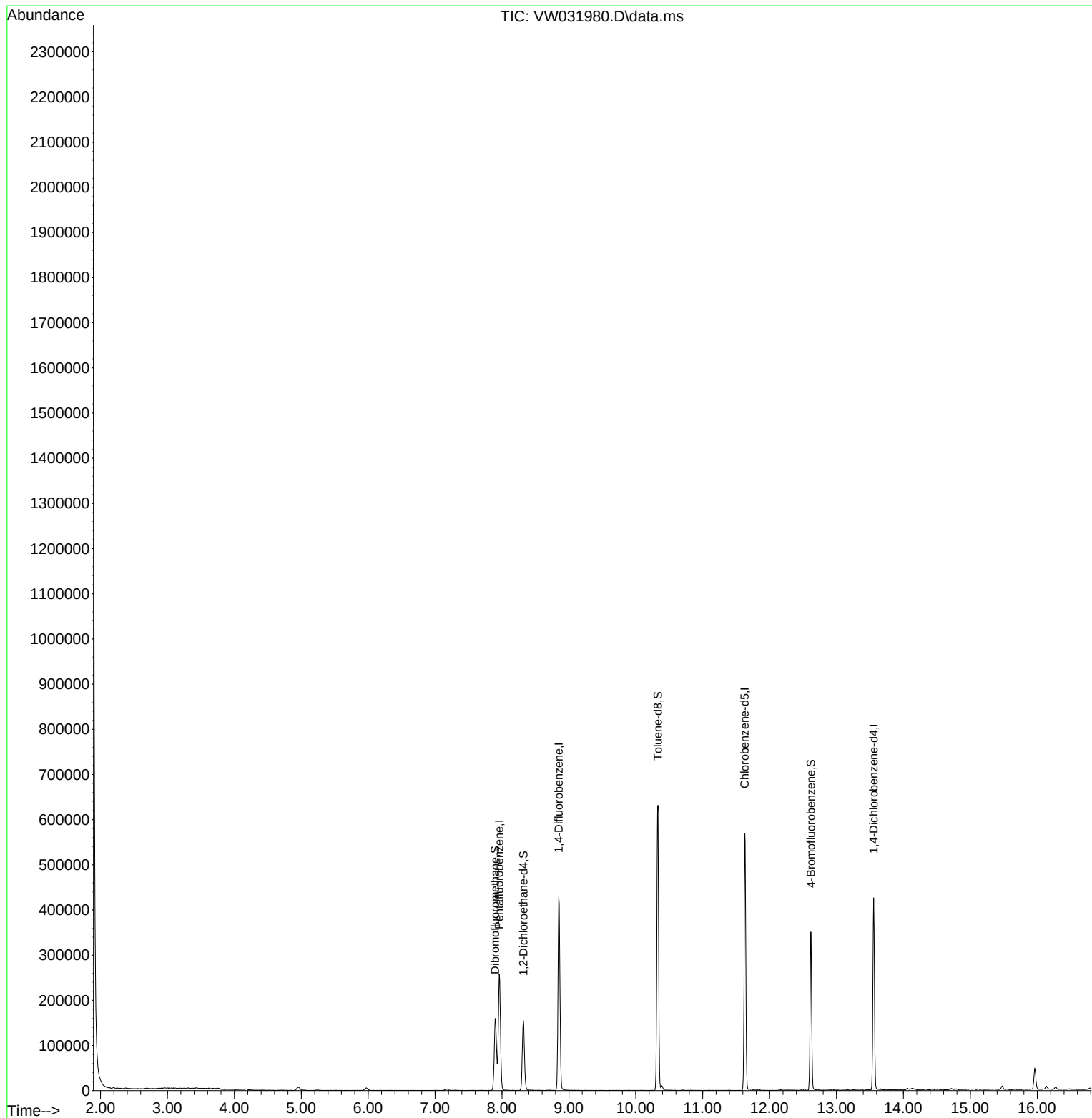
Target Compounds	Qvalue

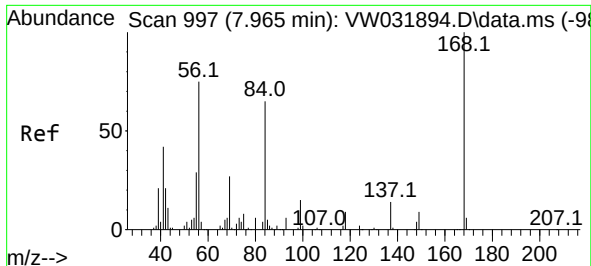
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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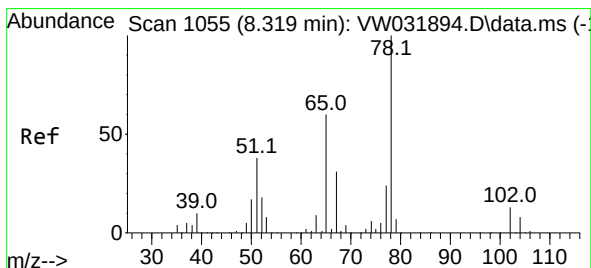
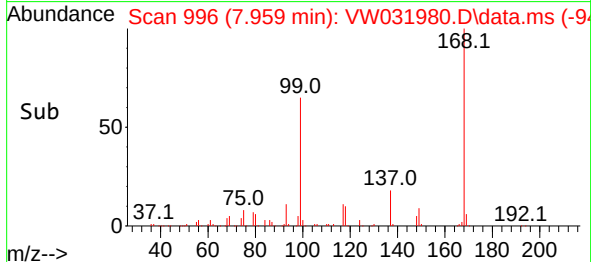
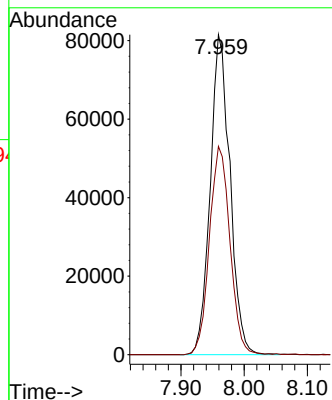
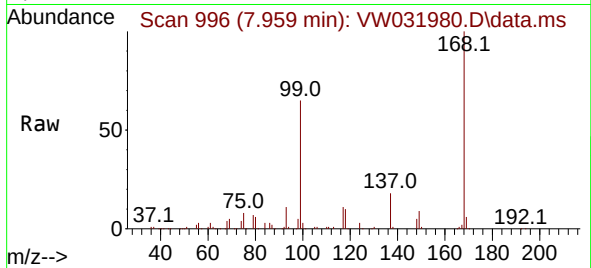




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

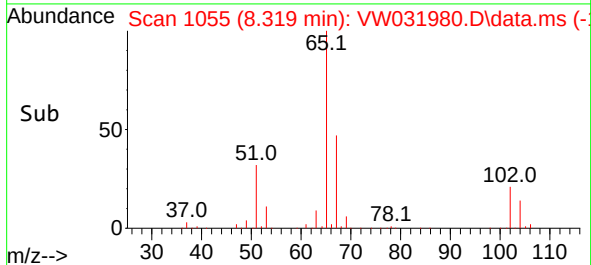
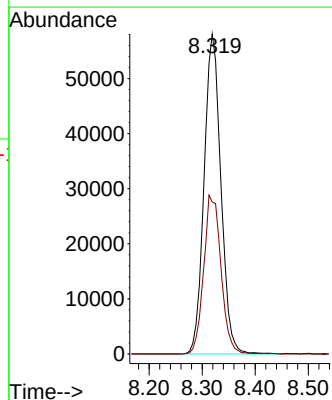
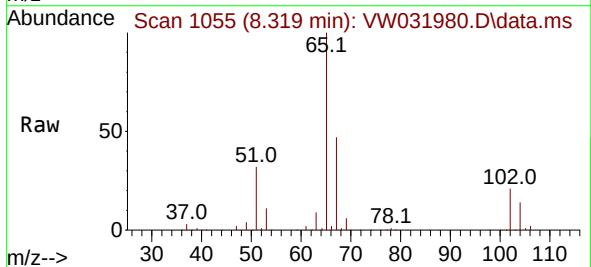
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

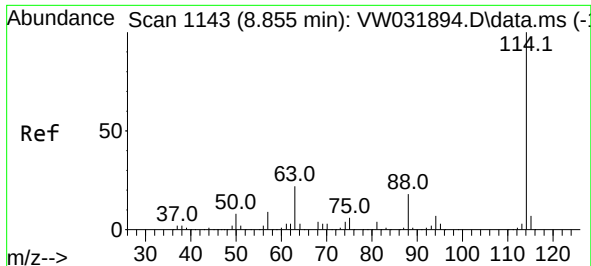
Tgt Ion:168 Resp: 176395
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 47.927 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 65 Resp: 127888
Ion Ratio Lower Upper
65 100
67 51.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW031980.D

Acq: 01 Aug 2025 13:02

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

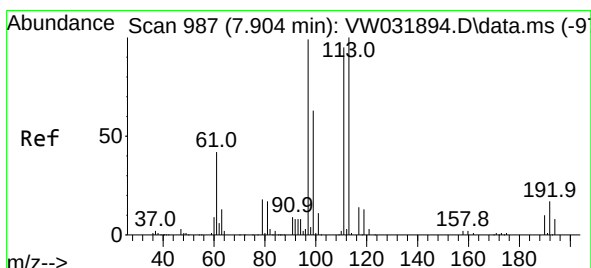
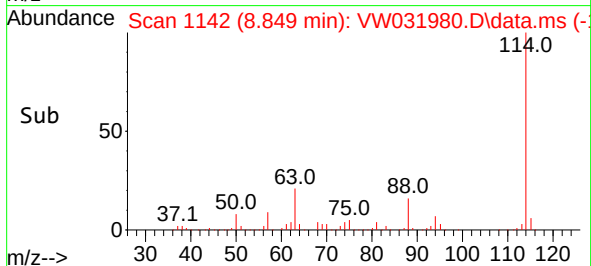
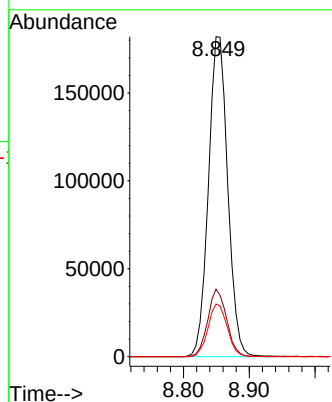
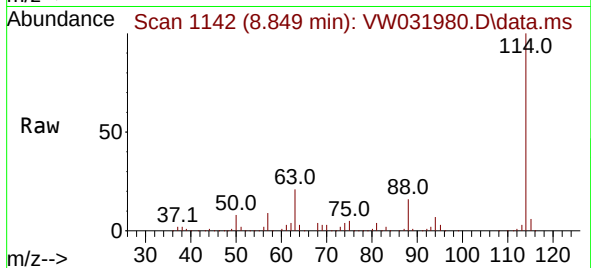
Tgt Ion:114 Resp: 371246

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

88 16.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 46.284 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW031980.D

Acq: 01 Aug 2025 13:02

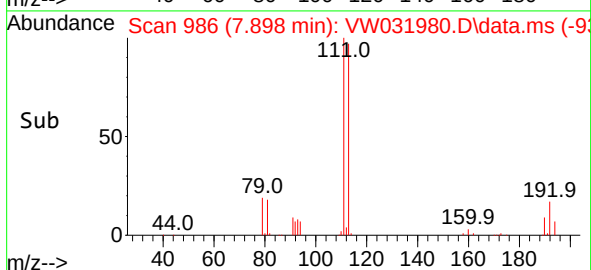
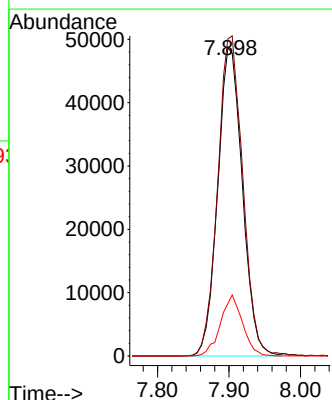
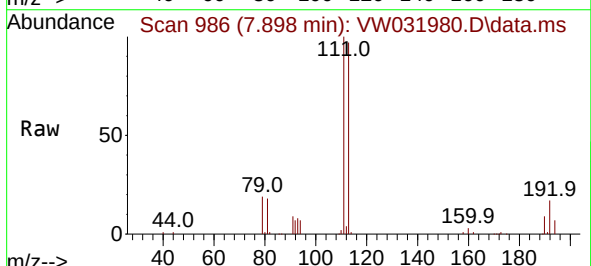
Tgt Ion:113 Resp: 116760

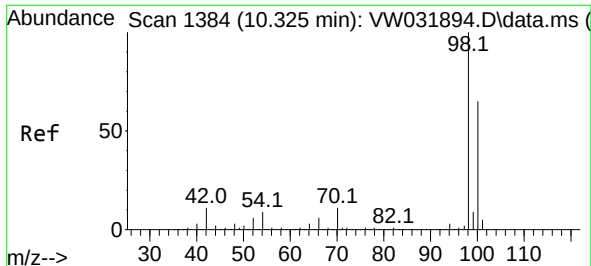
Ion Ratio Lower Upper

113 100

111 105.5 79.9 119.9

192 17.7 12.6 19.0

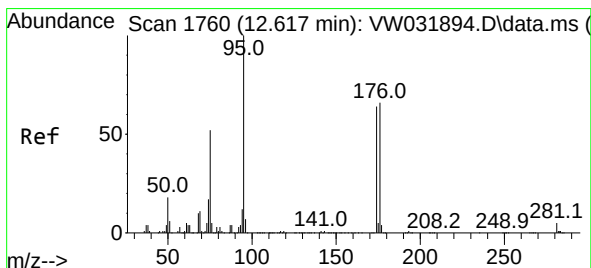
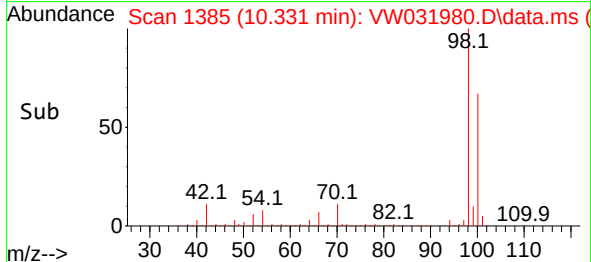
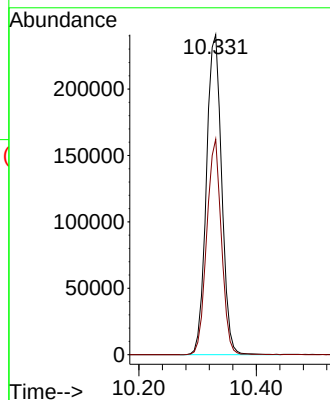
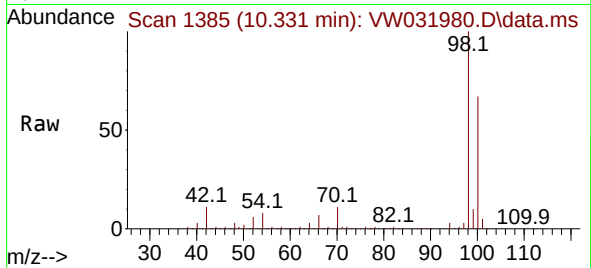




#50
Toluene-d8
Concen: 45.531 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

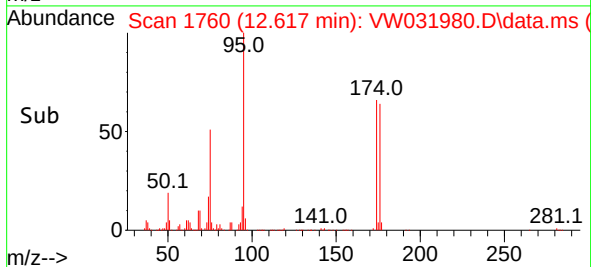
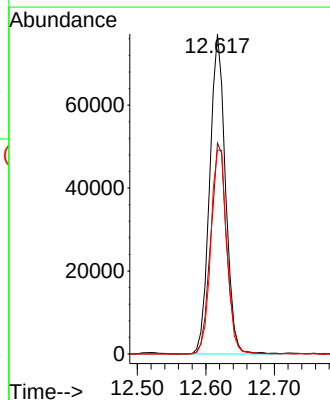
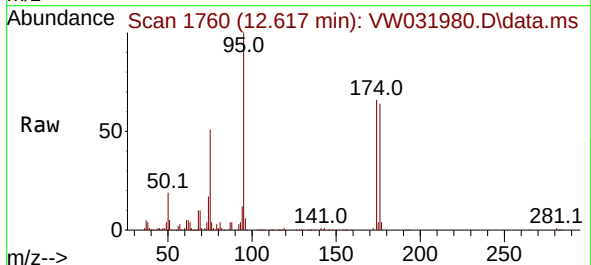
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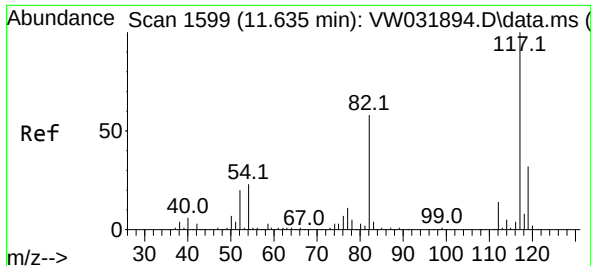
Tgt Ion: 98 Resp: 434704
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 33.540 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion: 95 Resp: 122959
Ion Ratio Lower Upper
95 100
174 66.5 0.0 129.8
176 65.3 0.0 130.4

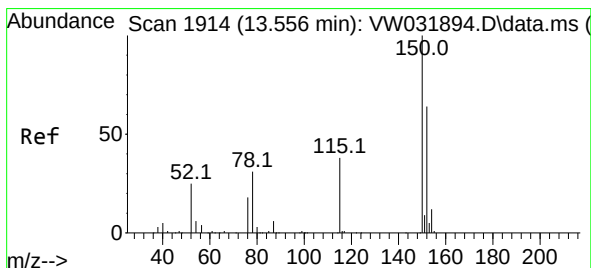
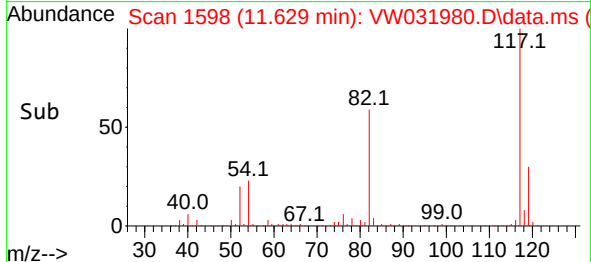
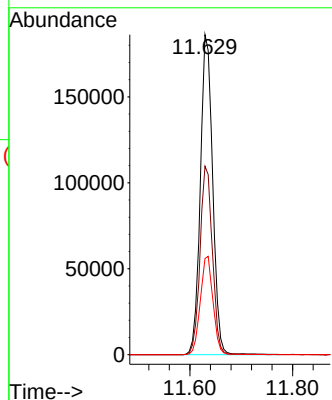
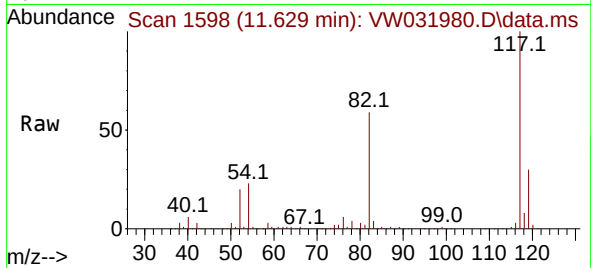




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. -0.006 min
Lab File: VW031980.D
Acq: 01 Aug 2025 13:02

Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:117 Resp: 309612
Ion Ratio Lower Upper
117 100
82 58.9 46.5 69.7
119 30.1 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: VW031980.D
Acq: 01 Aug 2025 13:02

Tgt Ion:152 Resp: 107269
Ion Ratio Lower Upper
152 100
115 66.6 33.4 100.1
150 157.3 0.0 352.2

