

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031814.D
 Acq On : 10 Jul 2025 19:15
 Operator : SY/MD
 Sample : Q2558-03
 Misc : 5.33g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Quant Time: Jul 11 02:26:26 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	167602	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	373968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	339893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	137532	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121434	50.486	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.980%
35) Dibromofluoromethane	7.904	113	108538	44.477	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.960%
50) Toluene-d8	10.331	98	390012	42.947	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	85.900%
62) 4-Bromofluorobenzene	12.617	95	134584	40.271	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.540%

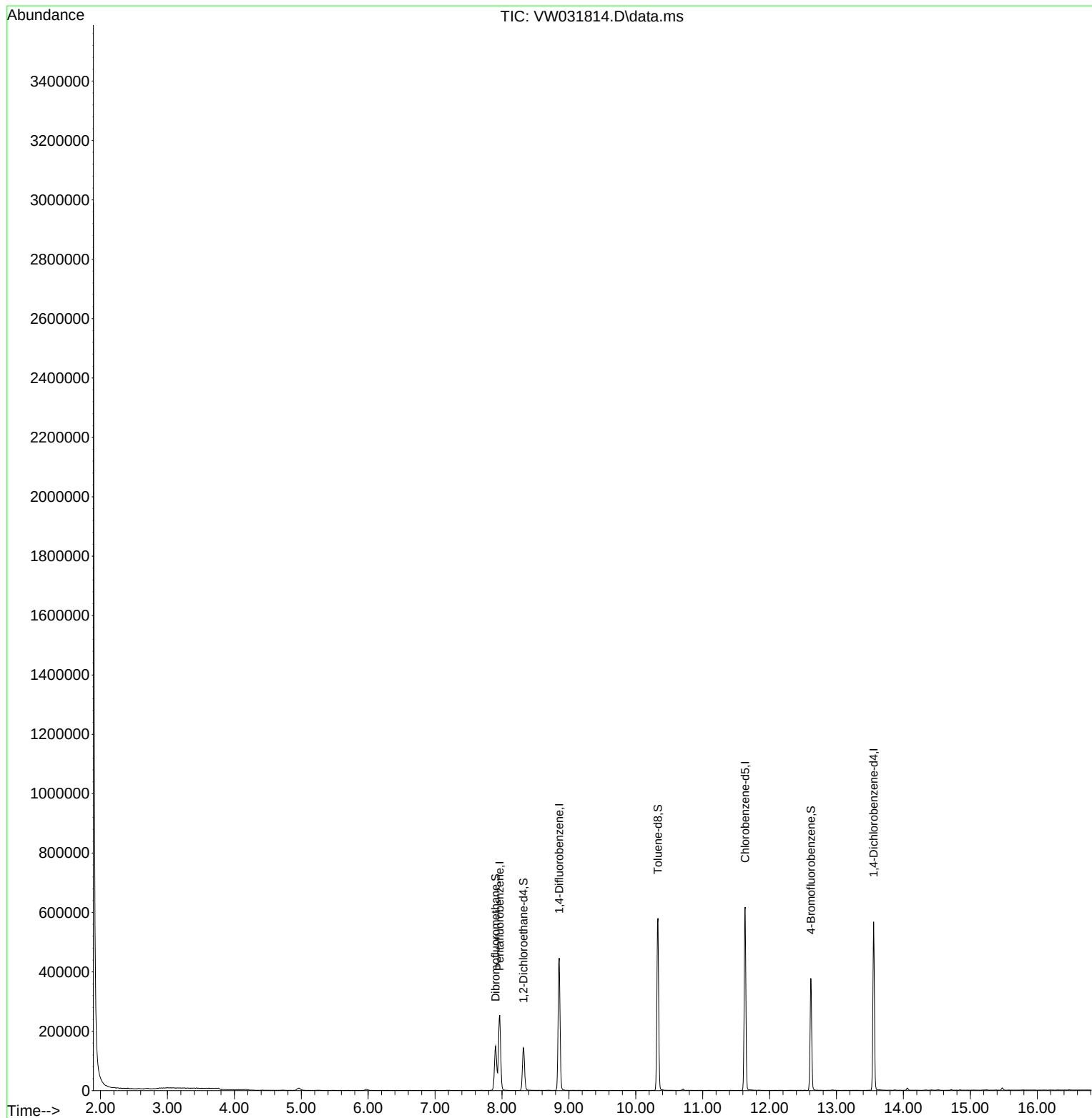
Target Compounds	Qvalue

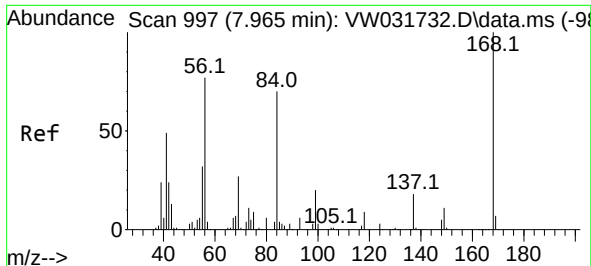
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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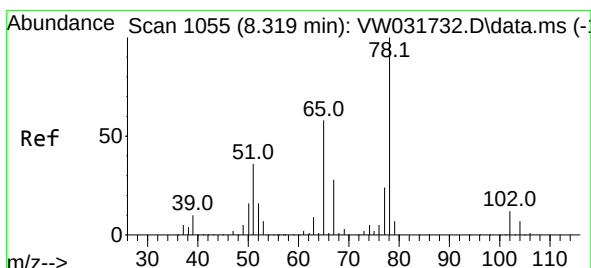
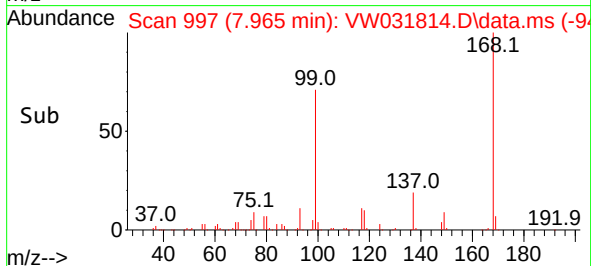
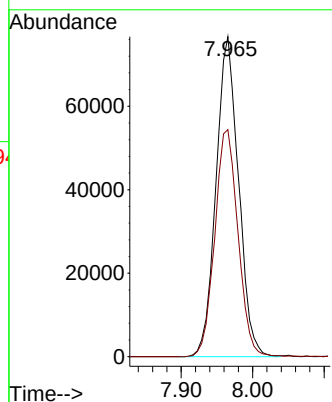
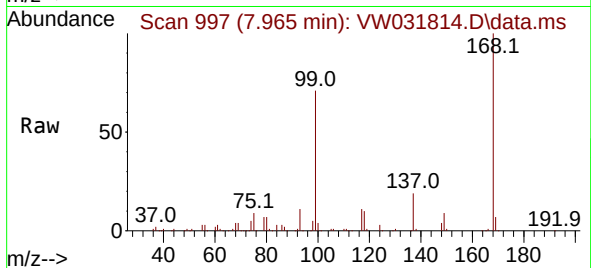




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

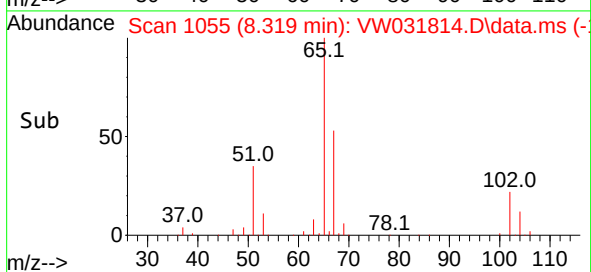
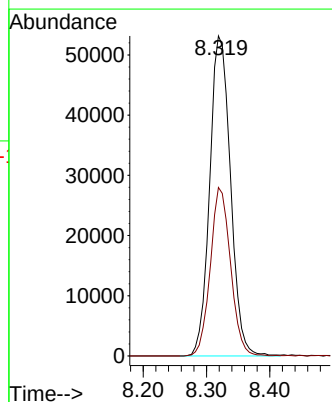
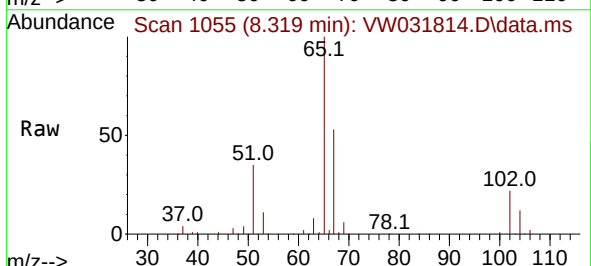
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

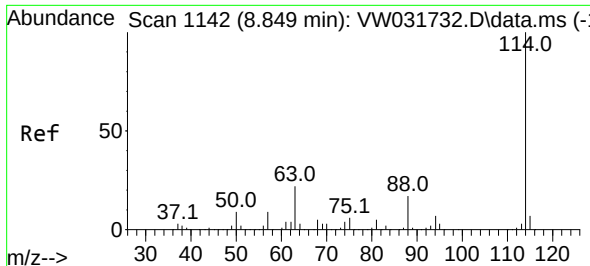
Tgt Ion:168 Resp: 167602
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 50.486 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 65 Resp: 121434
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.4

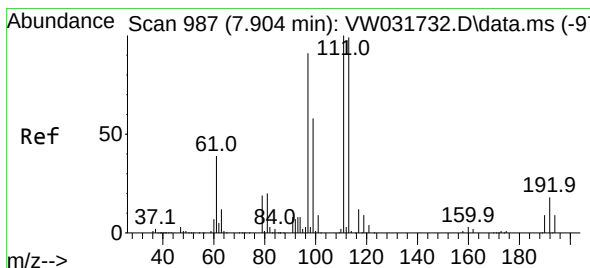
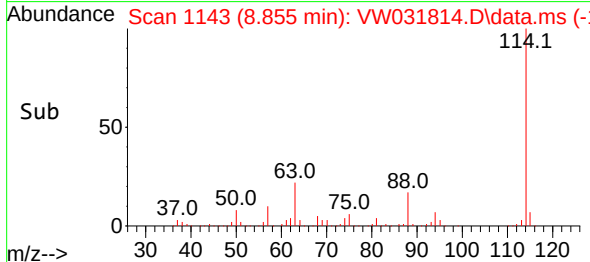
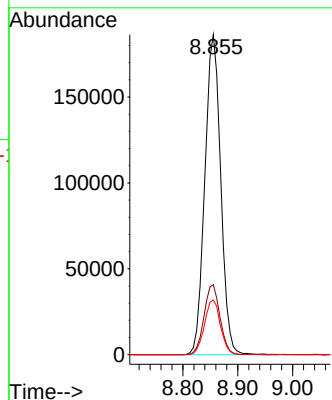
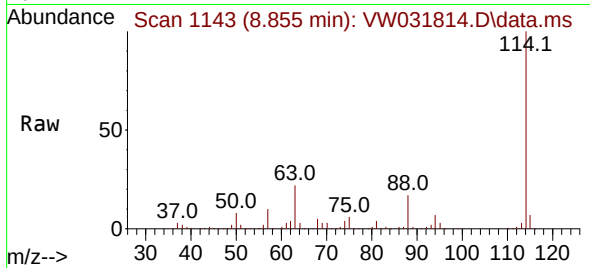




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

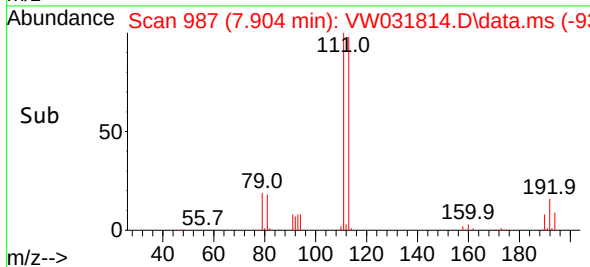
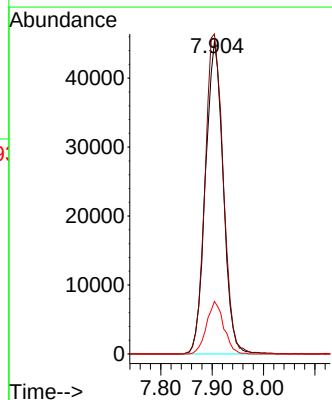
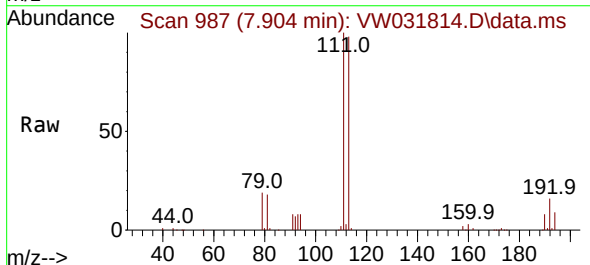
Instrument :
MSVOA_W
ClientSampleId :
OU4-TS-Grillo-OG-070925

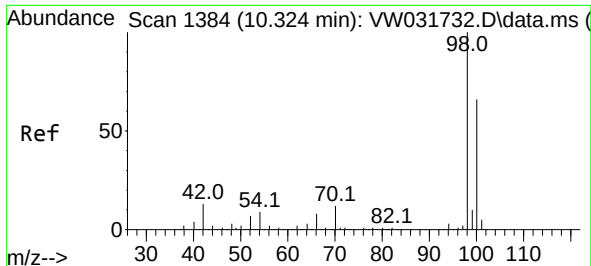
Tgt Ion:114 Resp: 373968
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.6
88 17.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 44.477 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion:113 Resp: 108538
Ion Ratio Lower Upper
113 100
111 105.2 82.1 123.1
192 16.4 13.8 20.6

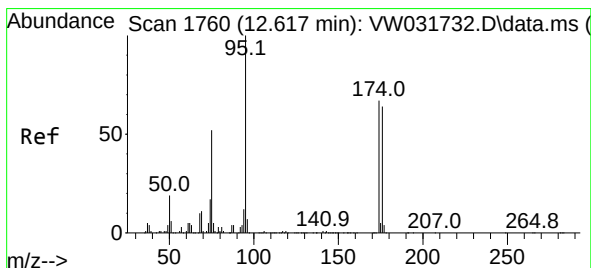
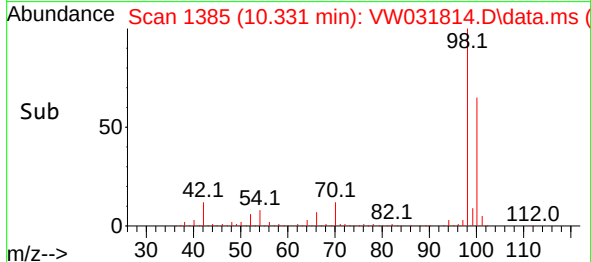
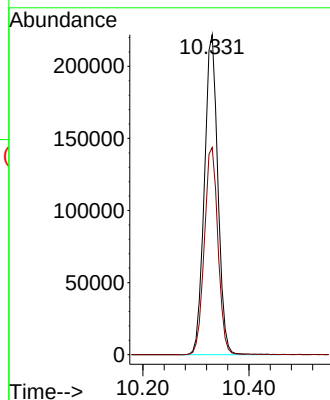
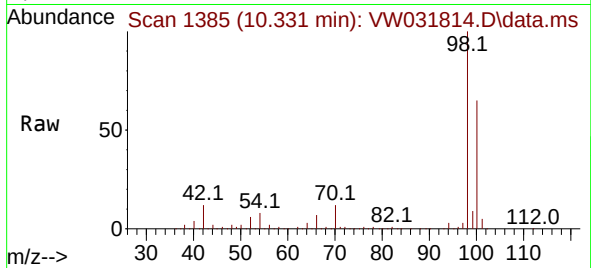




#50
Toluene-d8
Concen: 42.947 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

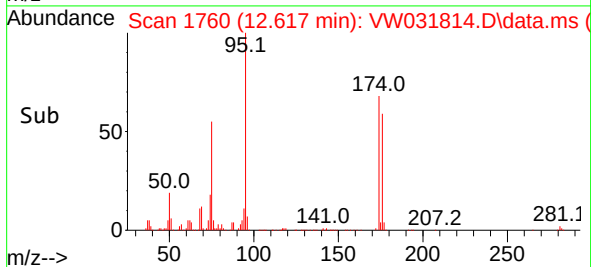
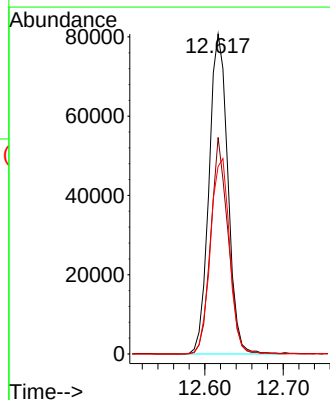
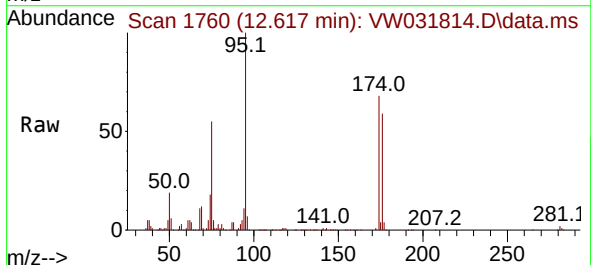
Instrument :
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ClientSampleId :
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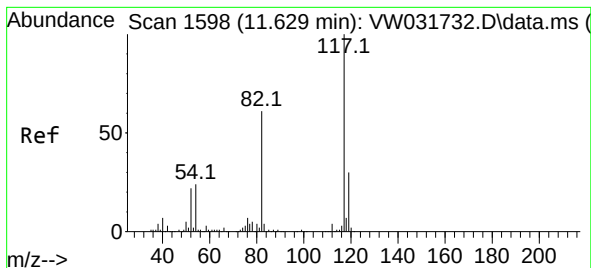
Tgt Ion: 98 Resp: 390012
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 40.271 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031814.D
Acq: 10 Jul 2025 19:15

Tgt Ion: 95 Resp: 134584
Ion Ratio Lower Upper
95 100
174 62.9 0.0 133.8
176 62.4 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031814.D

Acq: 10 Jul 2025 19:15

Instrument :

MSVOA_W

ClientSampleId :

OU4-TS-Grillo-OG-070925

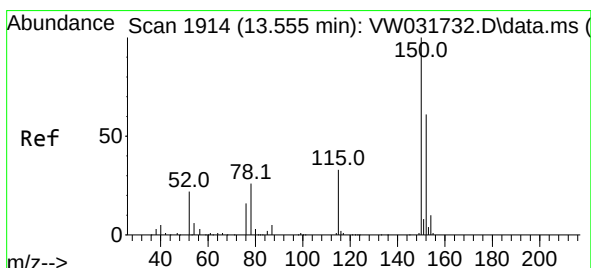
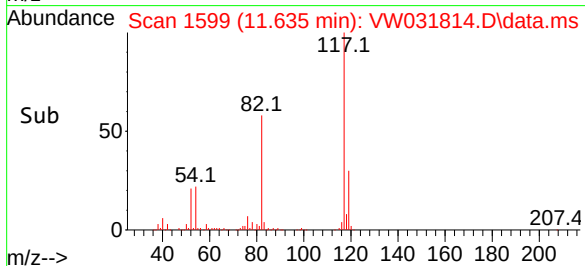
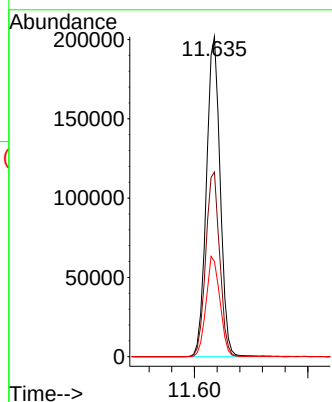
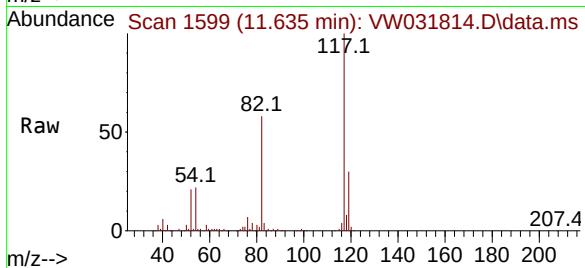
Tgt Ion:117 Resp: 339893

Ion Ratio Lower Upper

117 100

82 57.7 48.6 72.8

119 29.7 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: VW031814.D

Acq: 10 Jul 2025 19:15

Tgt Ion:152 Resp: 137532

Ion Ratio Lower Upper

152 100

115 66.3 31.9 95.7

150 160.3 0.0 356.4

