

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081125\
 Data File : VW032067.D
 Acq On : 11 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2809-01
 Misc : 5.25g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-08082025

Quant Time: Aug 12 04:26:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	177708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	364172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	161674	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131268	51.074	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.140%
35) Dibromofluoromethane	7.898	113	119767	50.906	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.820%
50) Toluene-d8	10.325	98	437645	50.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.617	95	166986	52.073	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.140%

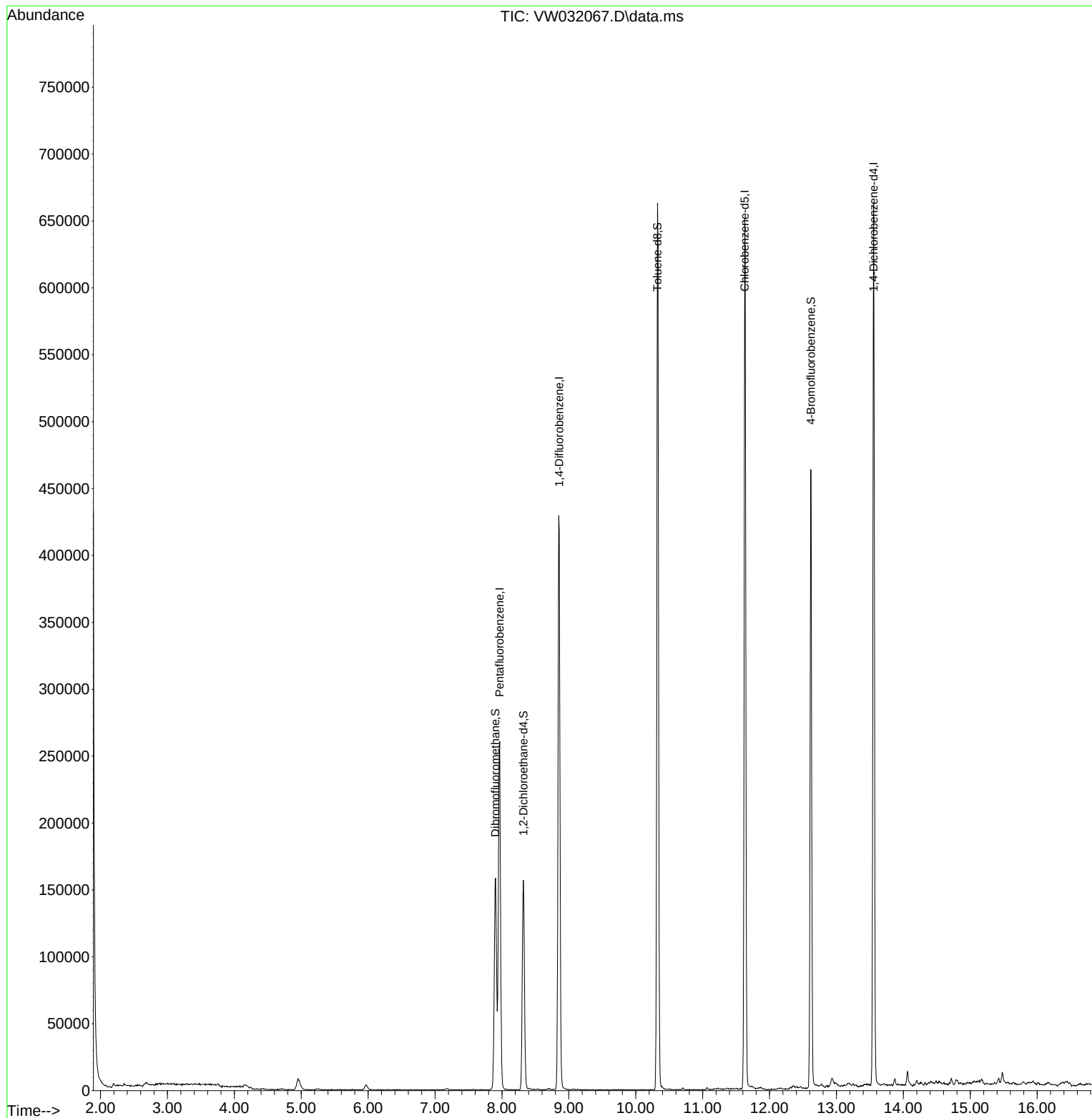
Target Compounds	Qvalue

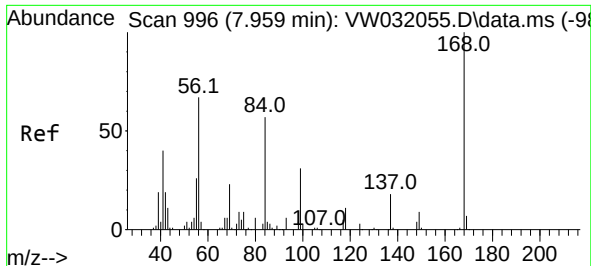
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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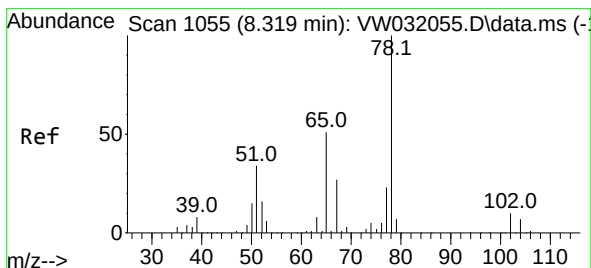
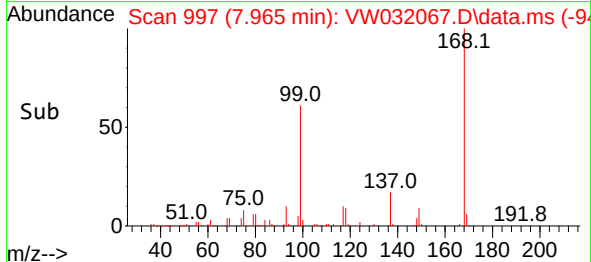
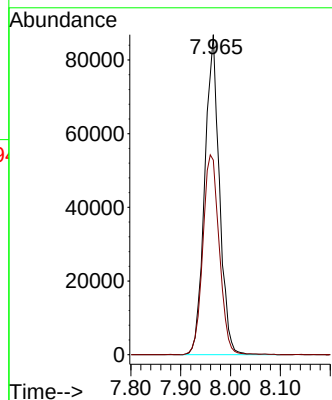
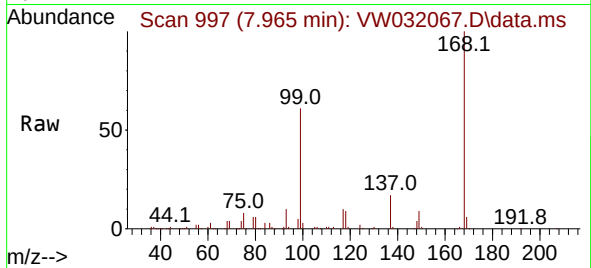




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

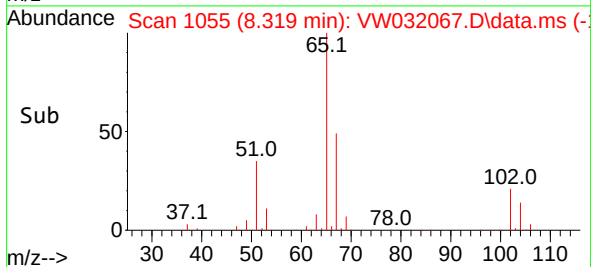
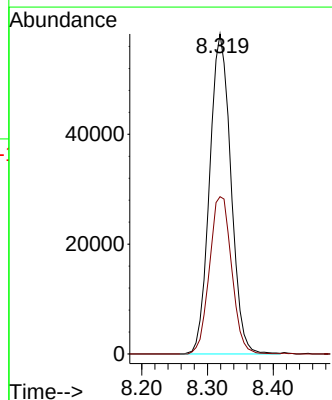
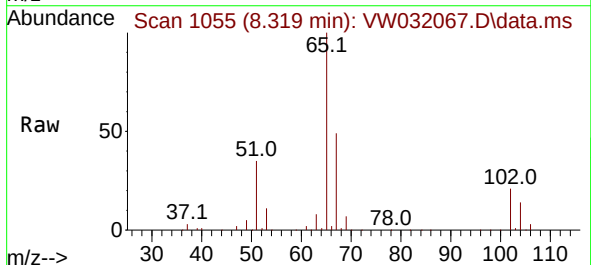
Instrument :
MSVOA_W
ClientSampleId :
OR-03-08082025

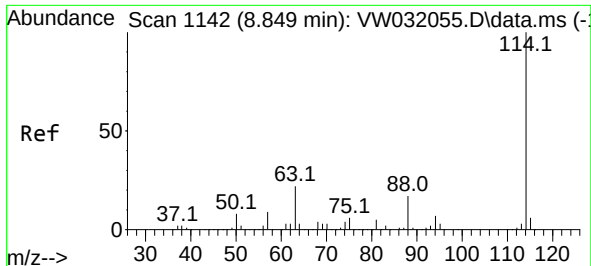
Tgt Ion:168 Resp: 177708
Ion Ratio Lower Upper
168 100
99 60.8 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 51.074 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 65 Resp: 131268
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4

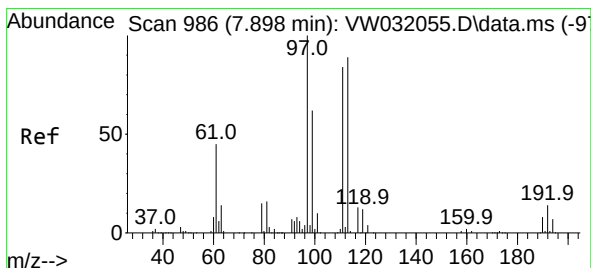
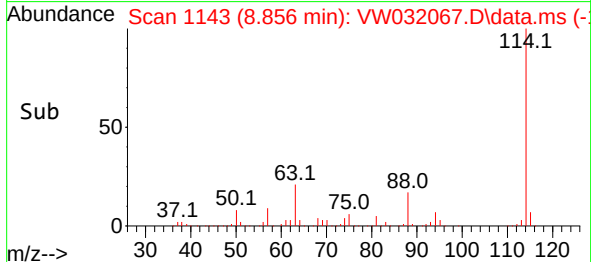
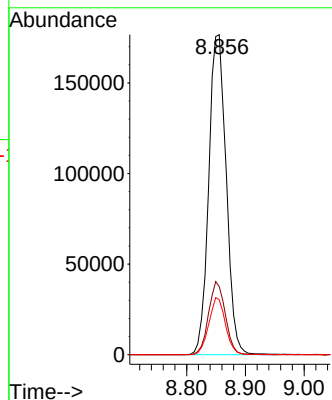
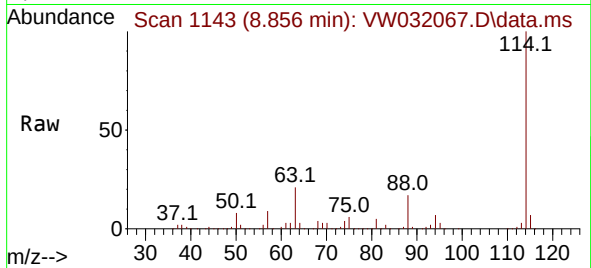




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.856 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032067.D
 Acq: 11 Aug 2025 15:28

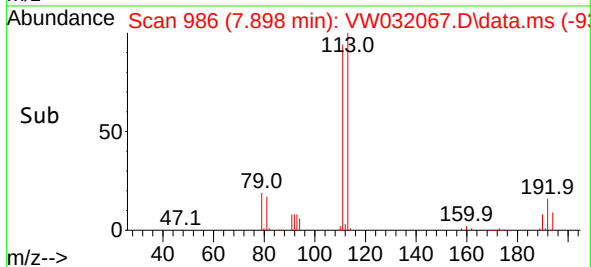
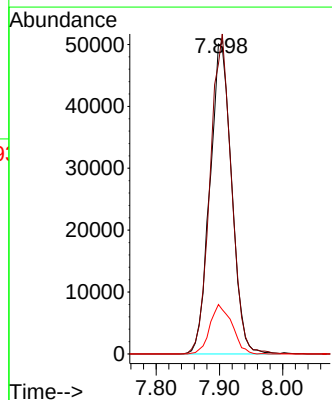
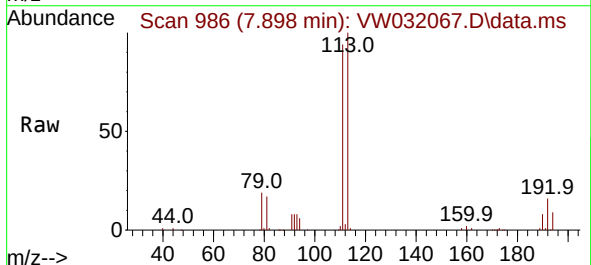
Instrument :
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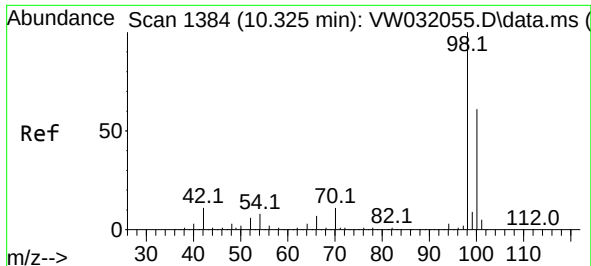
Tgt Ion:114 Resp: 364172
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.0
 88 17.1 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 50.906 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. 0.000 min
 Lab File: VW032067.D
 Acq: 11 Aug 2025 15:28

Tgt Ion:113 Resp: 119767
 Ion Ratio Lower Upper
 113 100
 111 101.2 80.1 120.1
 192 16.2 13.1 19.7

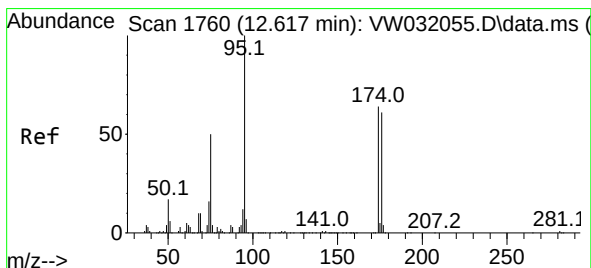
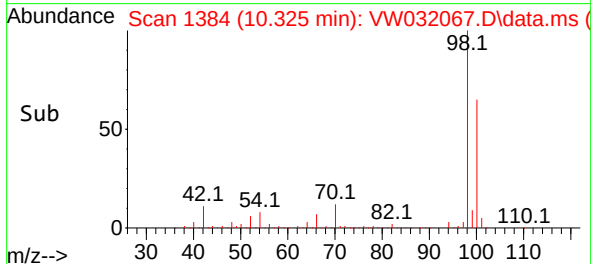
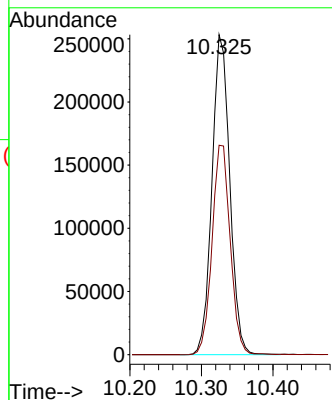
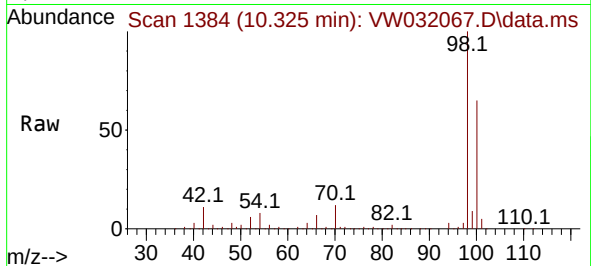




#50
Toluene-d8
Concen: 50.293 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

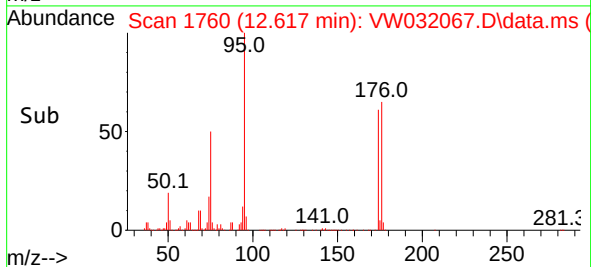
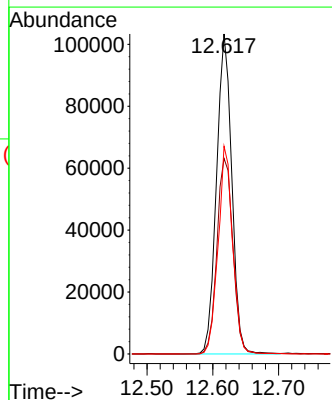
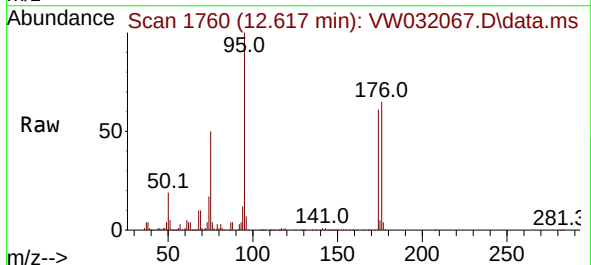
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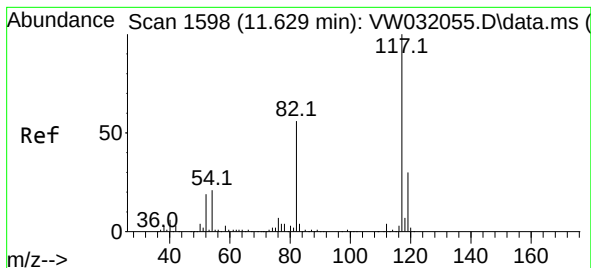
Tgt Ion: 98 Resp: 437645
Ion Ratio Lower Upper
98 100
100 66.8 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 52.073 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032067.D
Acq: 11 Aug 2025 15:28

Tgt Ion: 95 Resp: 166986
Ion Ratio Lower Upper
95 100
174 64.1 0.0 129.0
176 61.9 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

Instrument :

MSVOA_W

ClientSampleId :

OR-03-08082025

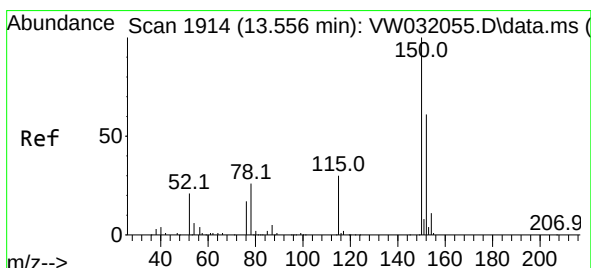
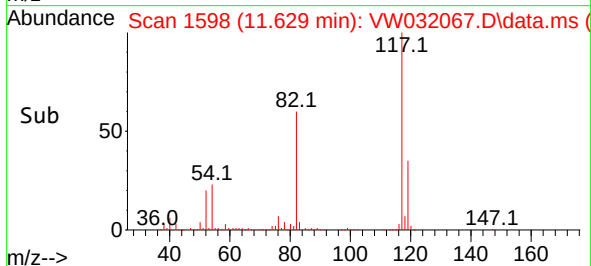
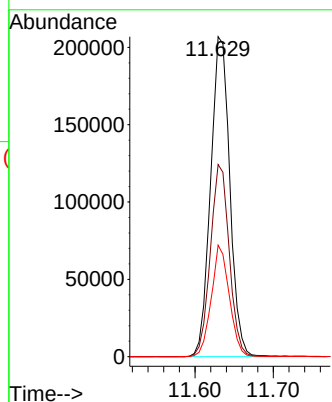
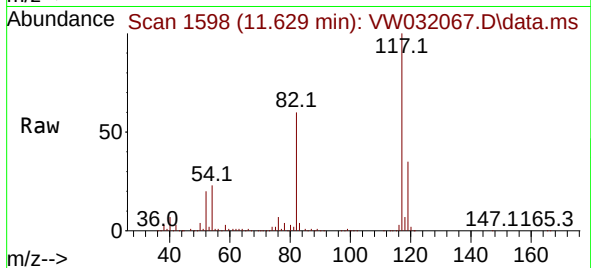
Tgt Ion:117 Resp: 352106

Ion Ratio Lower Upper

117 100

82 60.0 45.0 67.4

119 34.8 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032067.D

Acq: 11 Aug 2025 15:28

Tgt Ion:152 Resp: 161674

Ion Ratio Lower Upper

152 100

115 67.0 32.6 97.8

150 162.5 0.0 359.4

