

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032217.D
 Acq On : 19 Sep 2025 15:49
 Operator : SY/MD
 Sample : Q3153-06
 Misc : 5.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-500-VOC-116

Quant Time: Sep 19 23:11:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	145583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	322066	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	328681	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	164129	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	116792	56.095	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	112.200%
35) Dibromofluoromethane	7.904	113	104082	46.062	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	92.120%
50) Toluene-d8	10.325	98	343204	43.267	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.540%
62) 4-Bromofluorobenzene	12.617	95	145168	49.491	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.980%

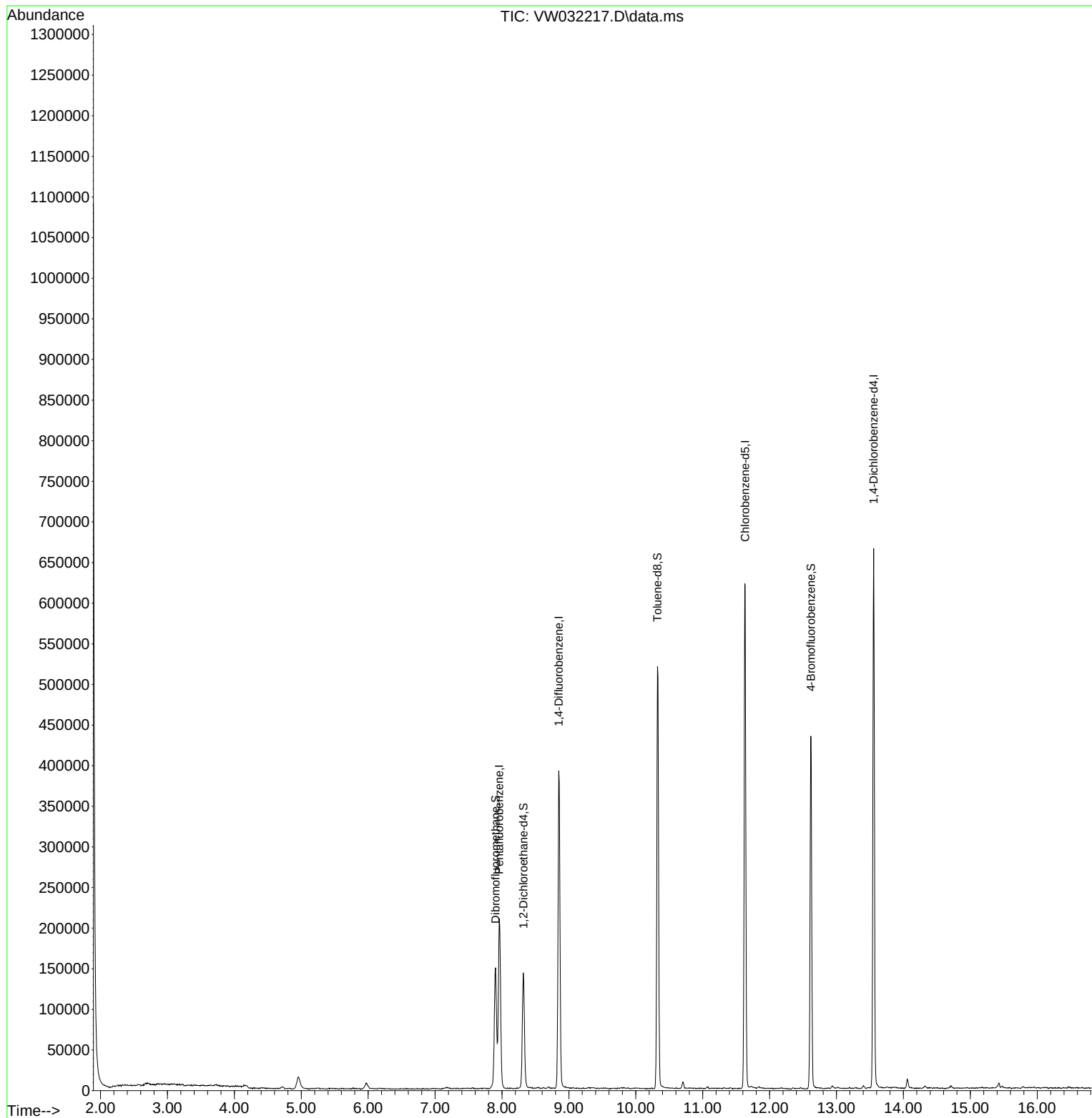
Target Compounds	Qvalue

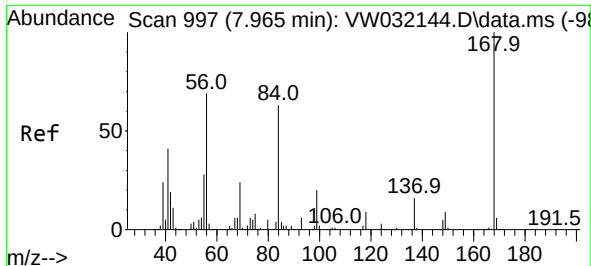
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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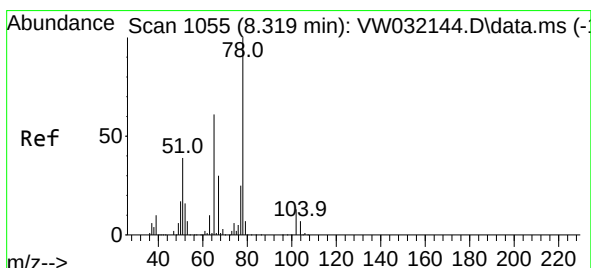
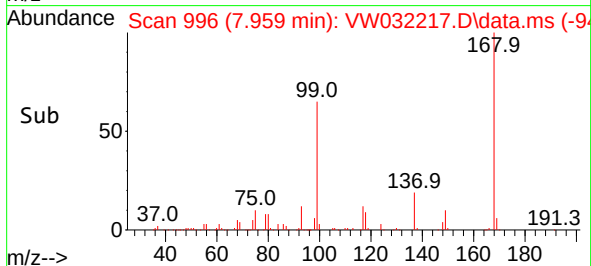
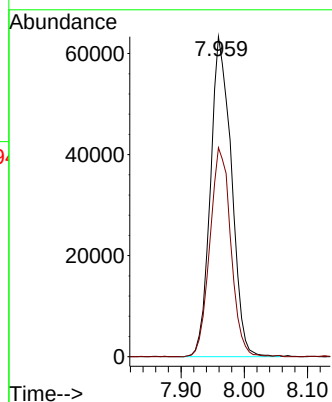
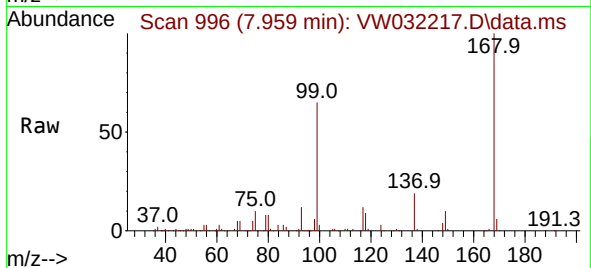




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

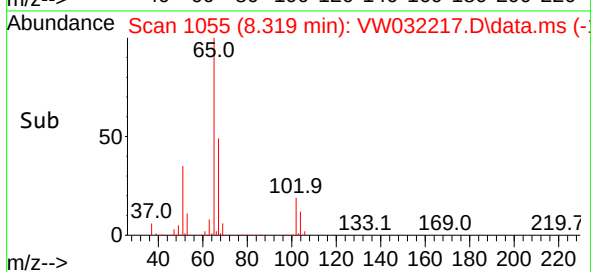
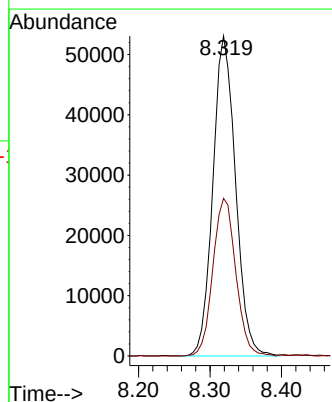
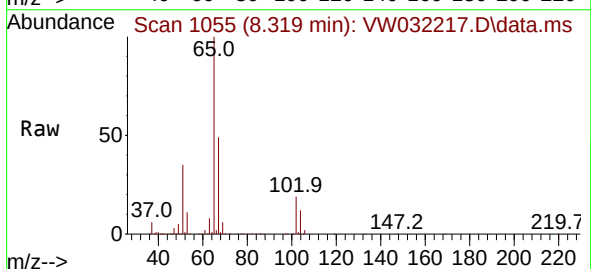
Instrument :
MSVOA_W
ClientSampleId :
OR-500-VOC-116

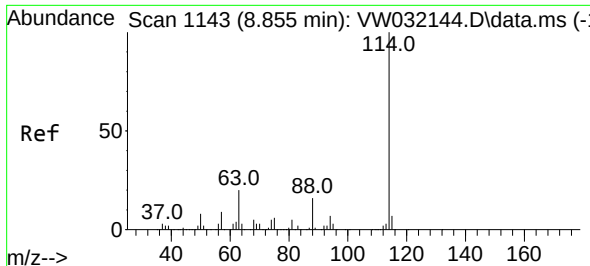
Tgt Ion:168 Resp: 145583
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 56.095 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

Tgt Ion: 65 Resp: 116792
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.6

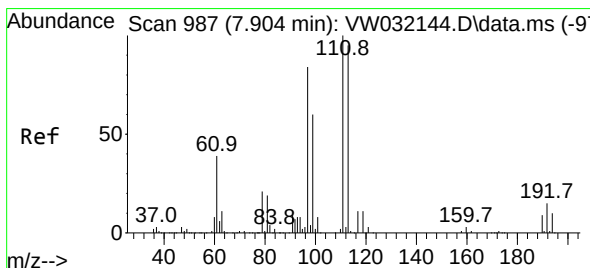
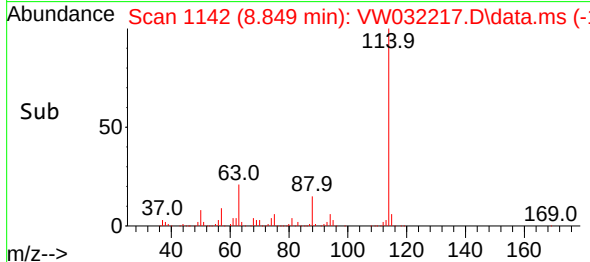
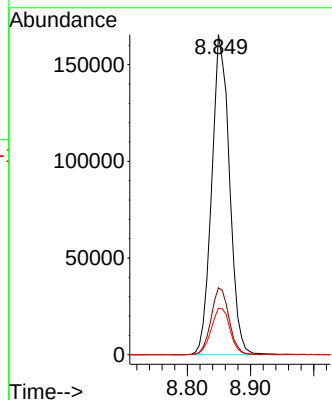
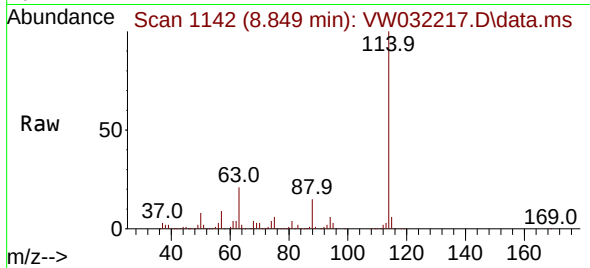




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

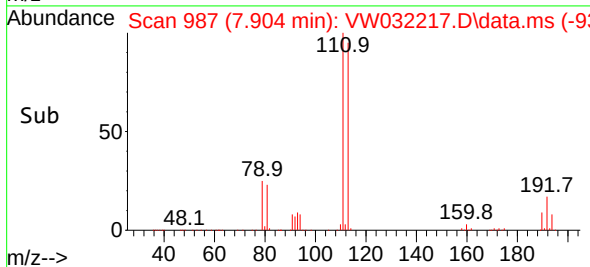
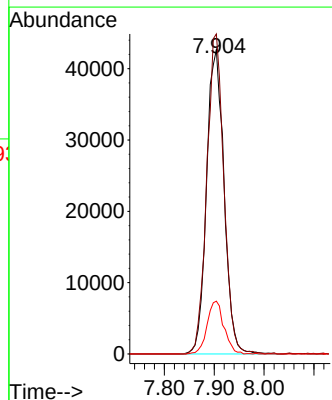
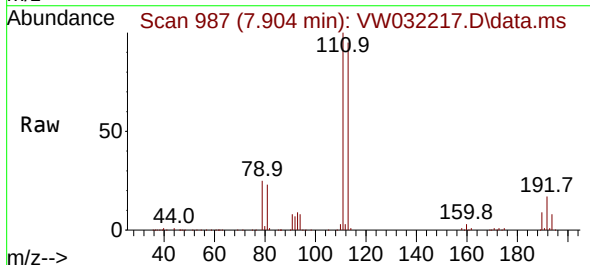
Instrument :
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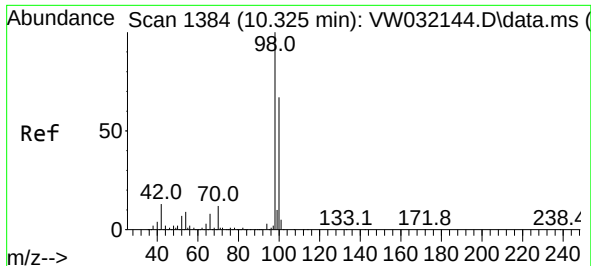
Tgt Ion:114 Resp: 322066
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.4
88 14.5 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.062 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

Tgt Ion:113 Resp: 104082
Ion Ratio Lower Upper
113 100
111 102.6 83.9 125.9
192 16.7 14.6 21.8

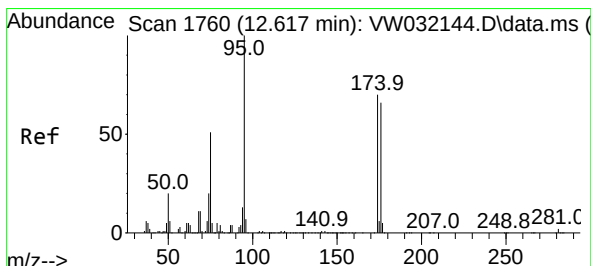
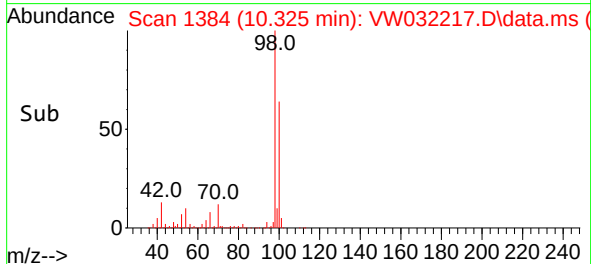
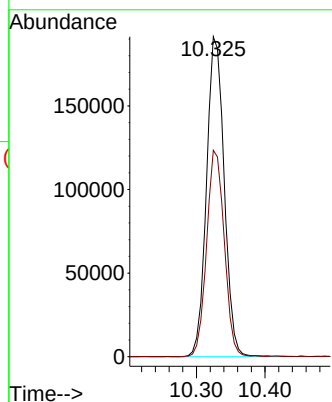
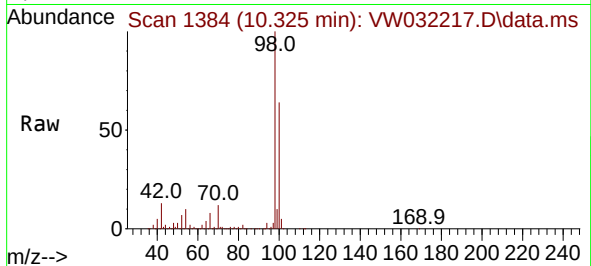




#50
Toluene-d8
Concen: 43.267 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

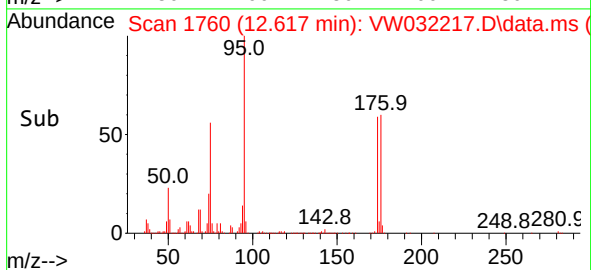
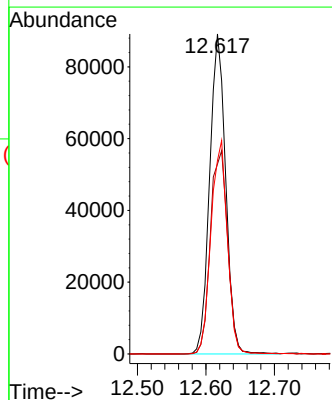
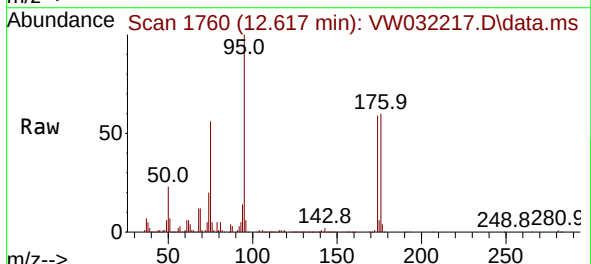
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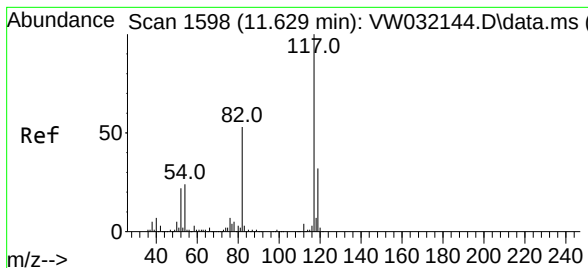
Tgt Ion: 98 Resp: 343204
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.491 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032217.D
Acq: 19 Sep 2025 15:49

Tgt Ion: 95 Resp: 145168
Ion Ratio Lower Upper
95 100
174 68.7 0.0 145.6
176 68.0 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032217.D

Acq: 19 Sep 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

OR-500-VOC-116

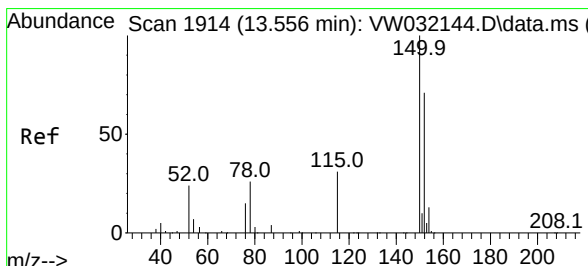
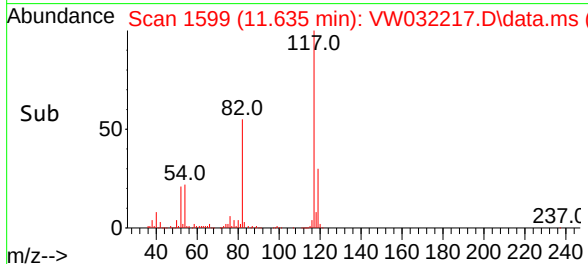
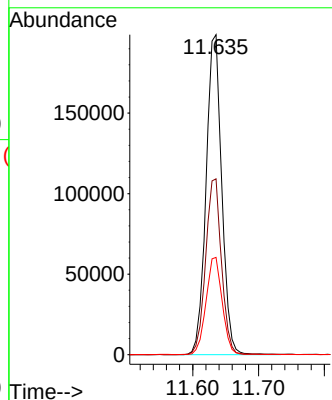
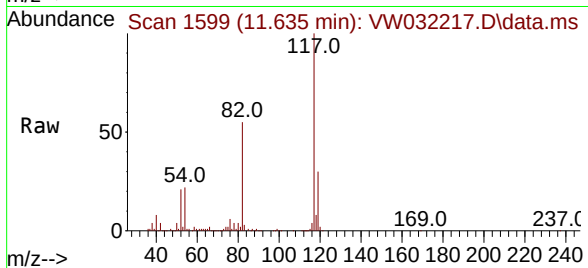
Tgt Ion:117 Resp: 328681

Ion Ratio Lower Upper

117 100

82 54.9 42.7 64.1

119 30.3 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032217.D

Acq: 19 Sep 2025 15:49

Tgt Ion:152 Resp: 164129

Ion Ratio Lower Upper

152 100

115 61.7 31.8 95.4

150 150.6 0.0 343.0

