

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032251.D
 Acq On : 24 Sep 2025 17:57
 Operator : SY/MD
 Sample : Q3183-03
 Misc : 5.37g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC-1-VOC

Quant Time: Sep 25 08:17:03 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	7.965	168	151665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	311857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	321946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	159637	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	141932	65.436	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	130.880%
35) Dibromofluoromethane	7.904	113	120733	55.180	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	110.360%
50) Toluene-d8	10.331	98	400451	52.136	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	104.280%
62) 4-Bromofluorobenzene	12.617	95	138076	48.614	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.220%

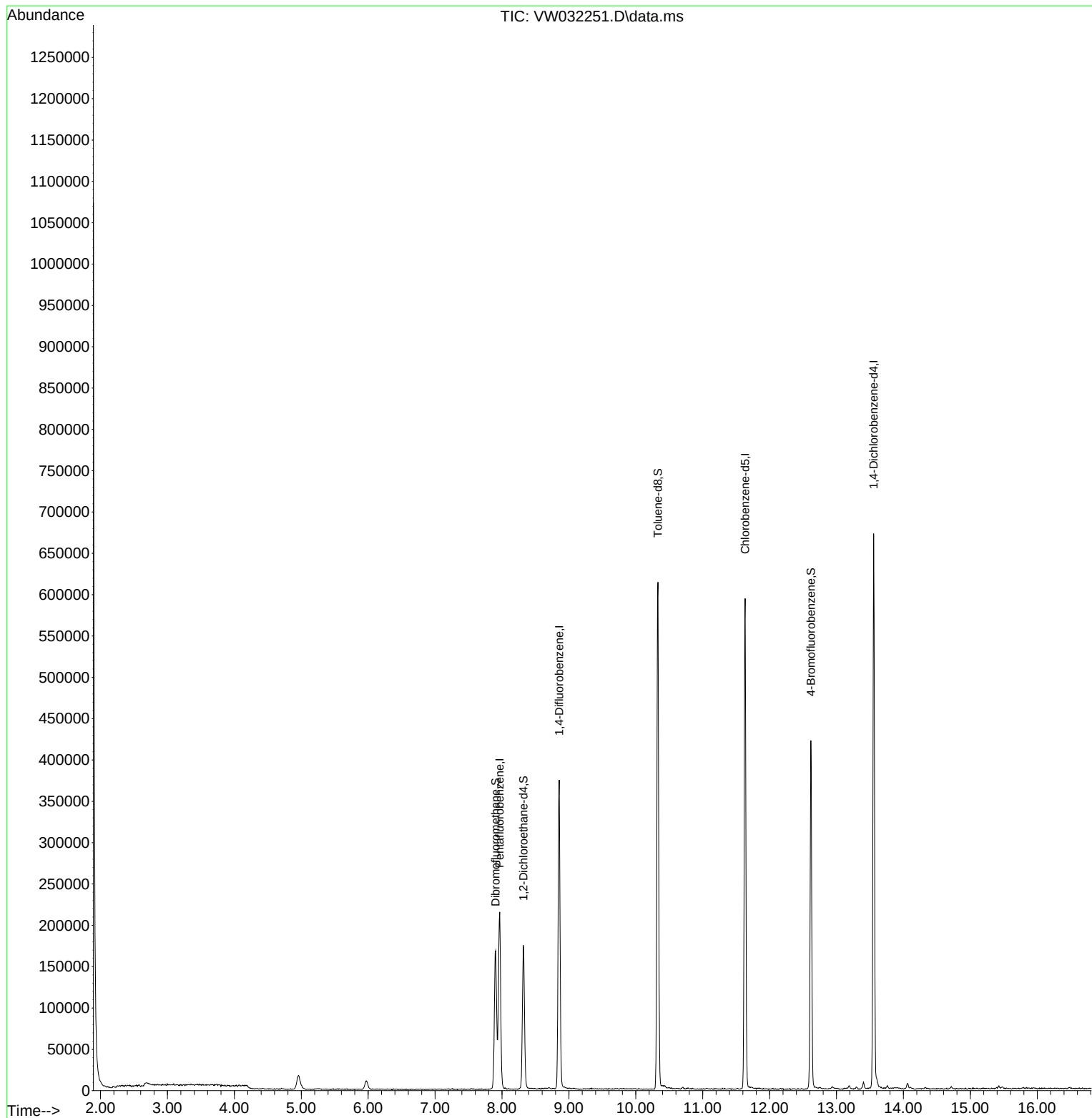
Target Compounds	Qvalue

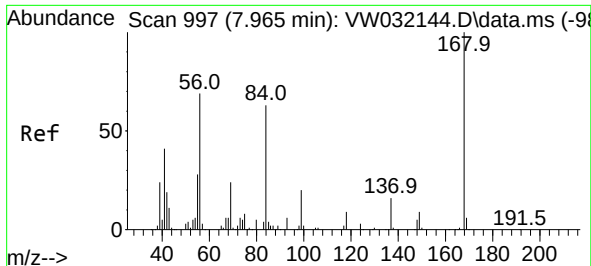
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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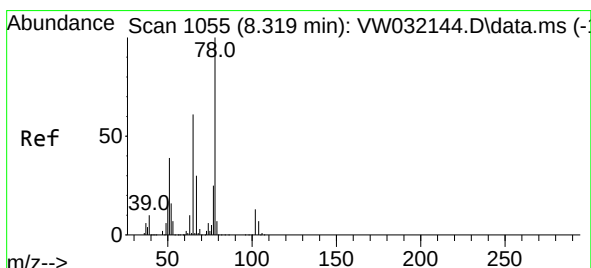
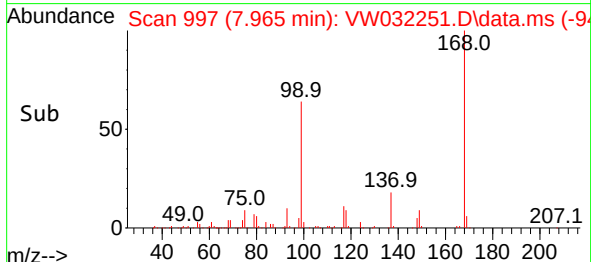
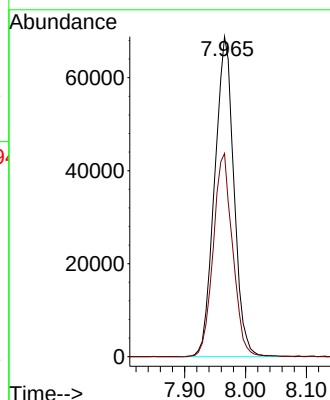
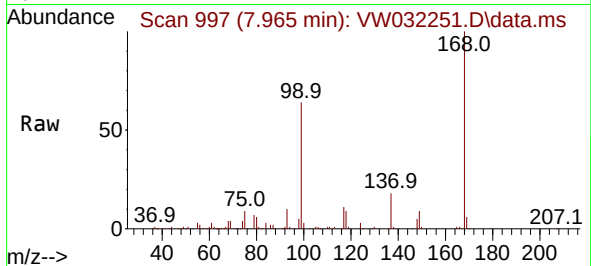




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

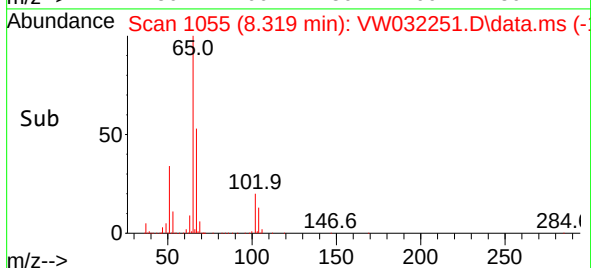
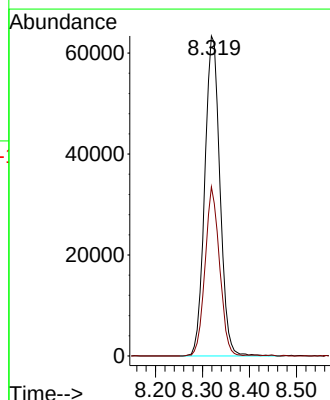
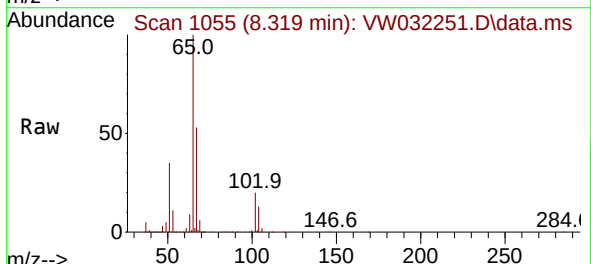
Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

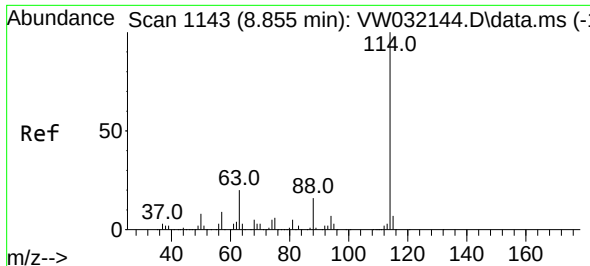
Tgt Ion:168 Resp: 151665
Ion Ratio Lower Upper
168 100
99 63.5 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 65.436 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

Tgt Ion: 65 Resp: 141932
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.6

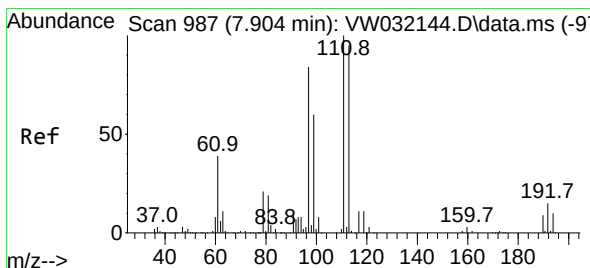
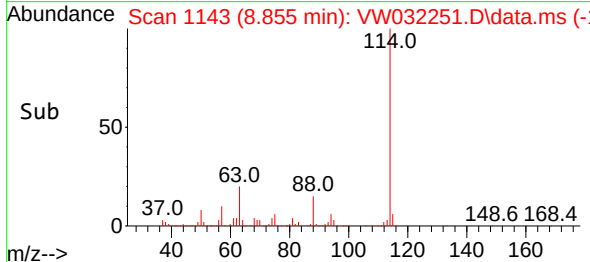
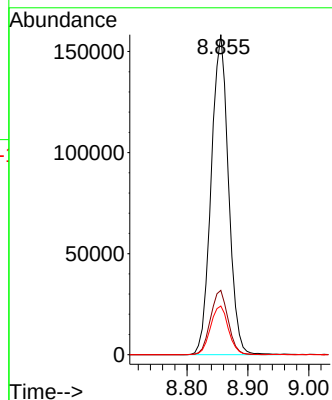
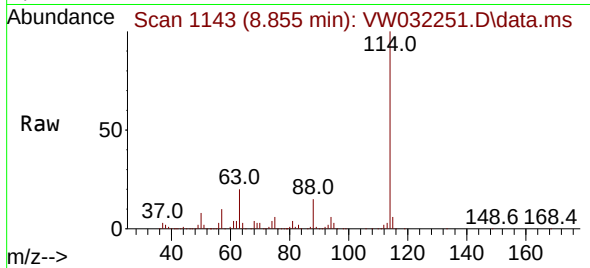




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

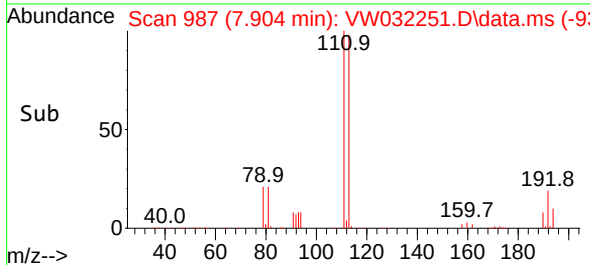
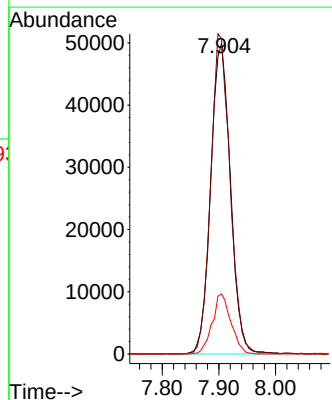
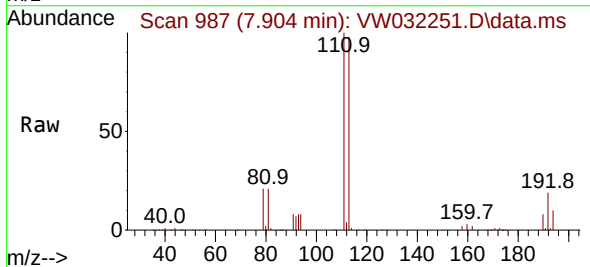
Instrument :
MSVOA_W
ClientSampleId :
WC-1-VOC

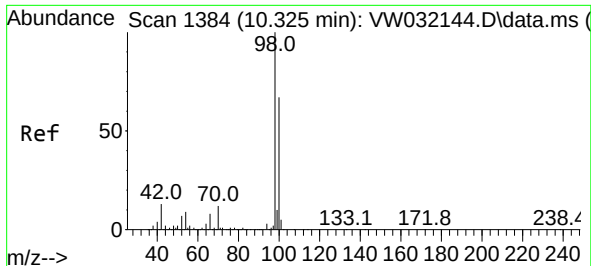
Tgt Ion:	114	Resp:	311857
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.4
88	15.2	0.0	32.0



#35
Dibromofluoromethane
Concen: 55.180 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

Tgt Ion:	113	Resp:	120733
Ion	Ratio	Lower	Upper
113	100		
111	100.7	83.9	125.9
192	18.2	14.6	21.8

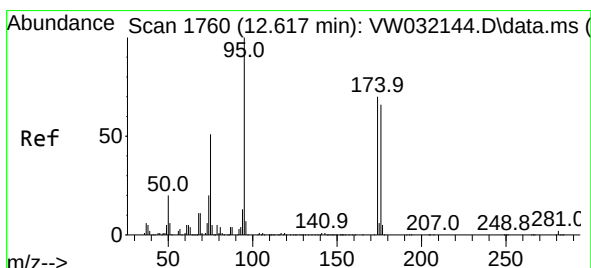
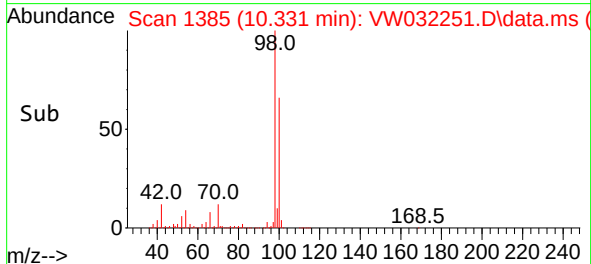
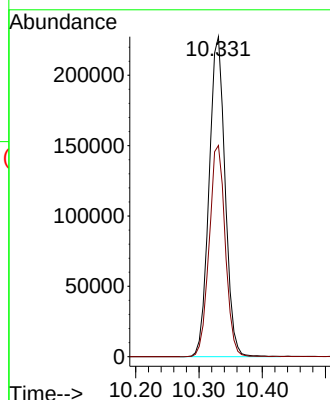
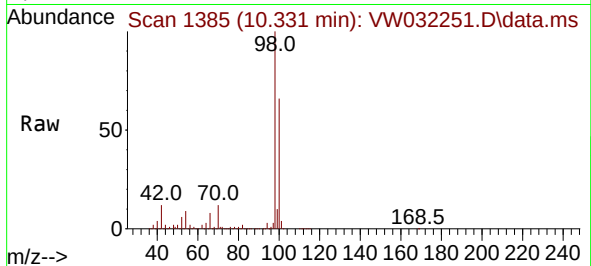




#50
Toluene-d8
Concen: 52.136 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

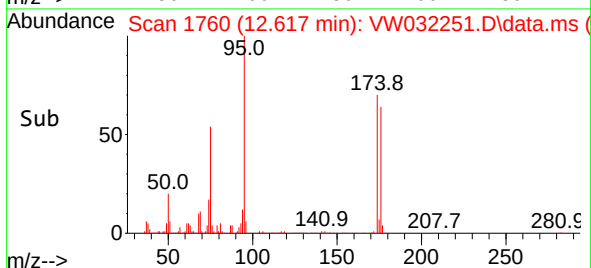
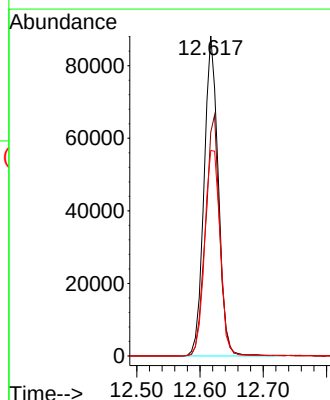
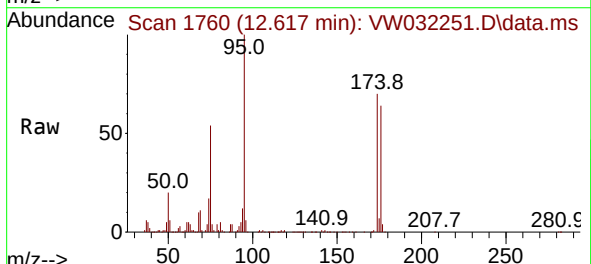
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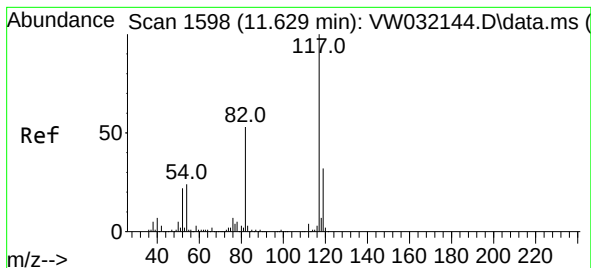
Tgt Ion: 98 Resp: 400451
Ion Ratio Lower Upper
98 100
100 66.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.614 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032251.D
Acq: 24 Sep 2025 17:57

Tgt Ion: 95 Resp: 138076
Ion Ratio Lower Upper
95 100
174 75.2 0.0 145.6
176 70.2 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: VW032251.D

Acq: 24 Sep 2025 17:57

Instrument :

MSVOA_W

ClientSampleId :

WC-1-VOC

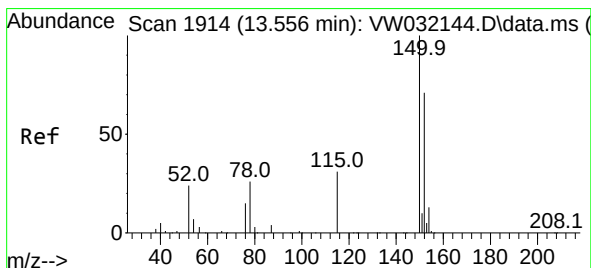
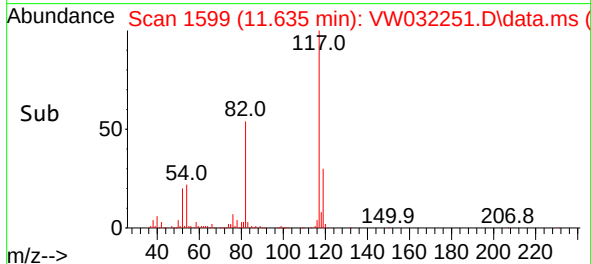
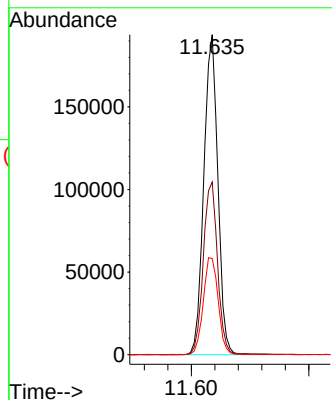
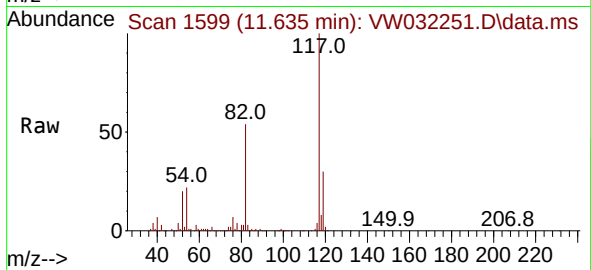
Tgt Ion:117 Resp: 321946

Ion Ratio Lower Upper

117 100

82 53.9 42.7 64.1

119 30.0 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: VW032251.D

Acq: 24 Sep 2025 17:57

Tgt Ion:152 Resp: 159637

Ion Ratio Lower Upper

152 100

115 65.0 31.8 95.4

150 166.7 0.0 343.0

