

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112025\
 Data File : VW032512.D
 Acq On : 20 Nov 2025 09:47
 Operator : SY/MD
 Sample : VW1120SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1120SBL01

Quant Time: Nov 21 01:18:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	212448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	489513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	538564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	252970	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	159048	58.069	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.140%
35) Dibromofluoromethane	7.898	113	152672	52.092	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.180%
50) Toluene-d8	10.325	98	516310	45.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.840%
62) 4-Bromofluorobenzene	12.617	95	226855	53.410	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	106.820%

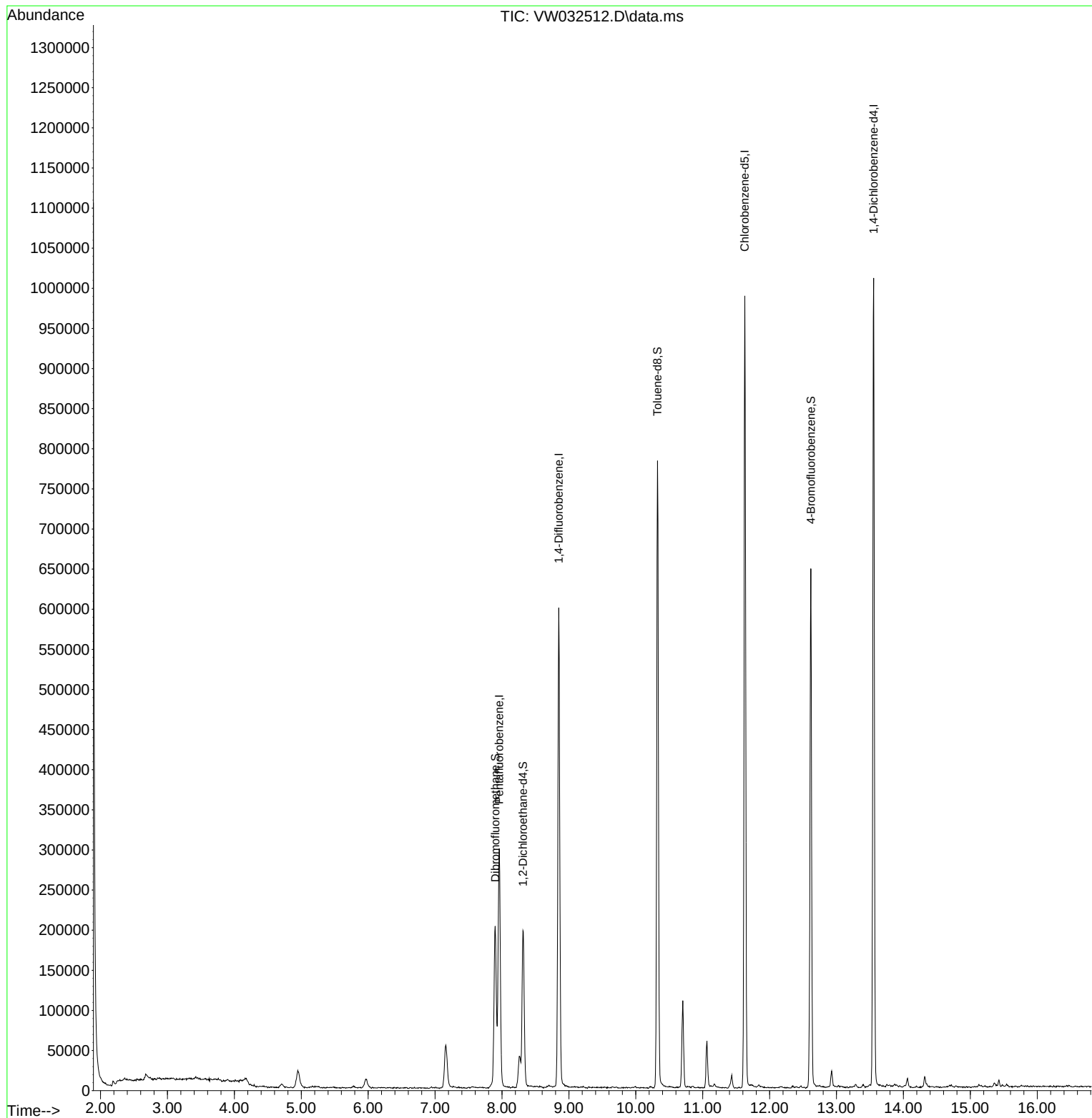
Target Compounds	Qvalue

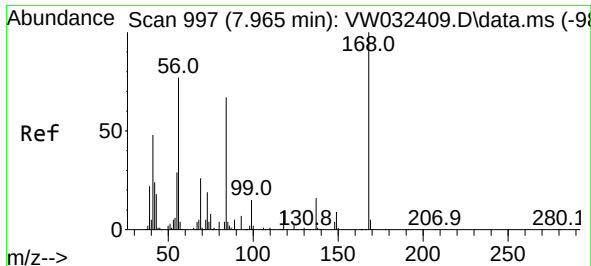
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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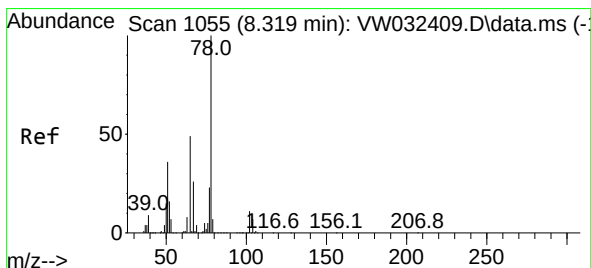
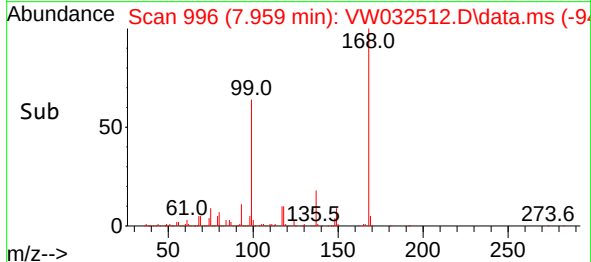
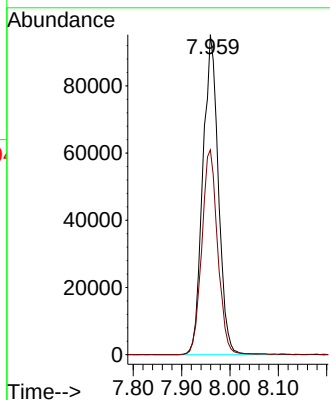
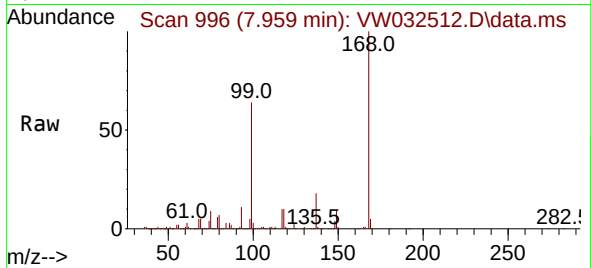




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

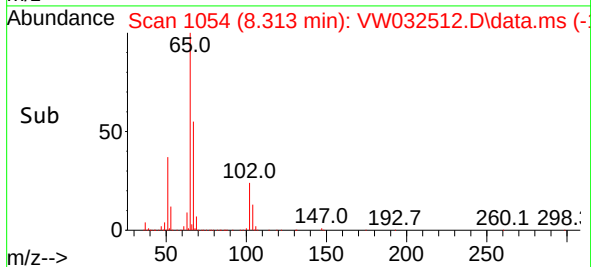
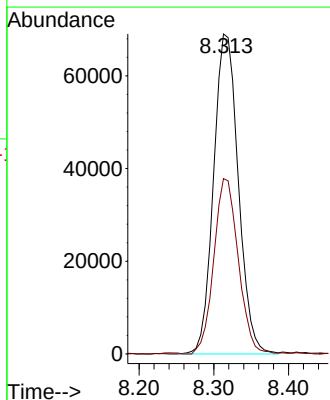
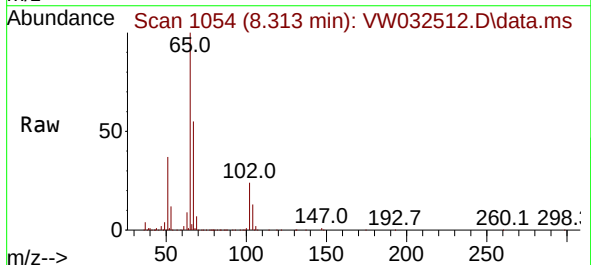
Instrument :
MSVOA_W
ClientSampleId :
VW1120SBL01

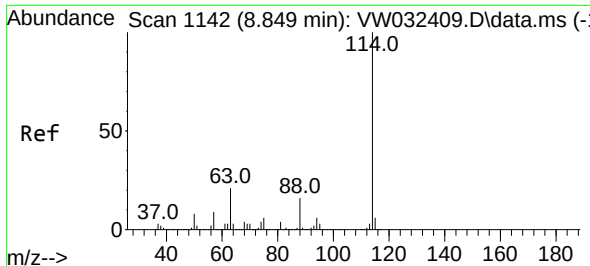
Tgt Ion:168 Resp: 212448
Ion Ratio Lower Upper
168 100
99 63.9 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 58.069 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion: 65 Resp: 159048
Ion Ratio Lower Upper
65 100
67 54.2 0.0 106.8

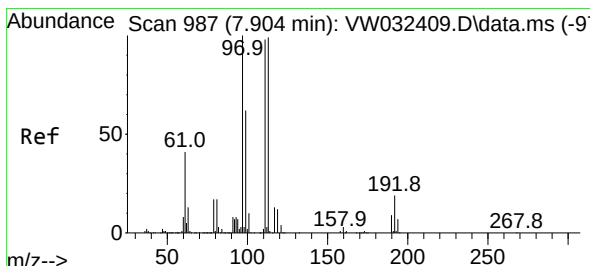
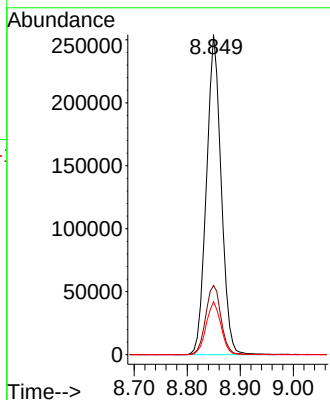
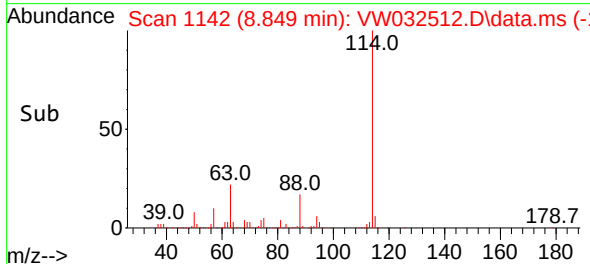
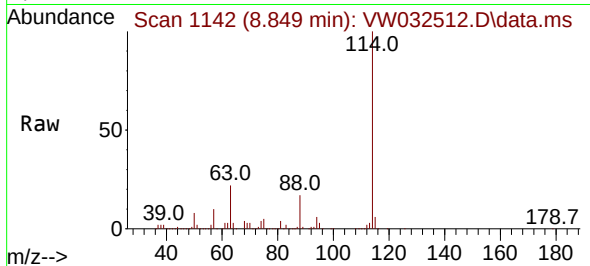




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

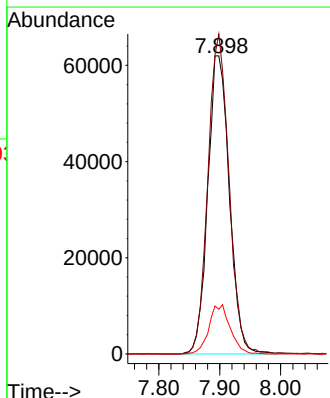
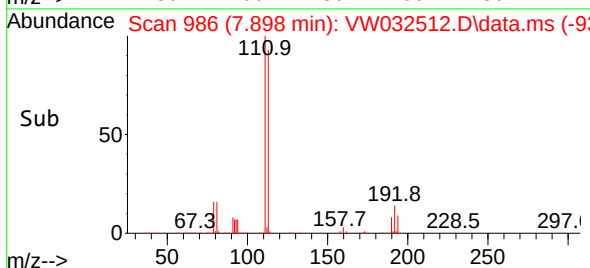
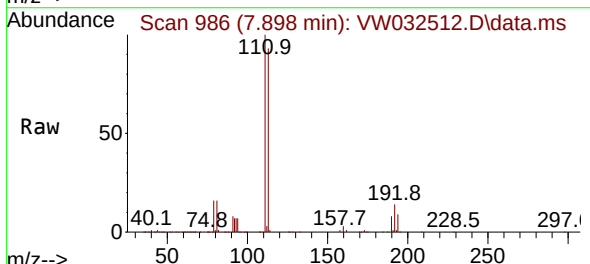
Instrument :
MSVOA_W
ClientSampleId :
VW1120SBL01

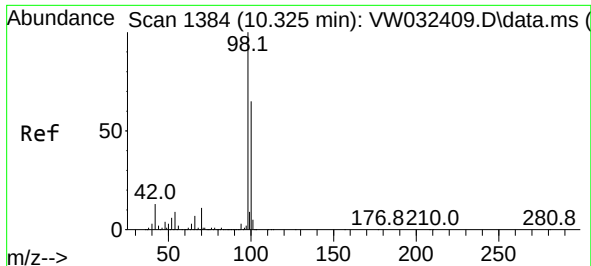
Tgt Ion:114 Resp: 489513
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.8
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.092 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion:113 Resp: 152672
Ion Ratio Lower Upper
113 100
111 104.9 83.1 124.7
192 16.3 13.4 20.2

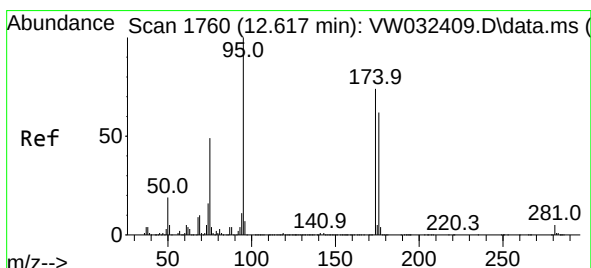
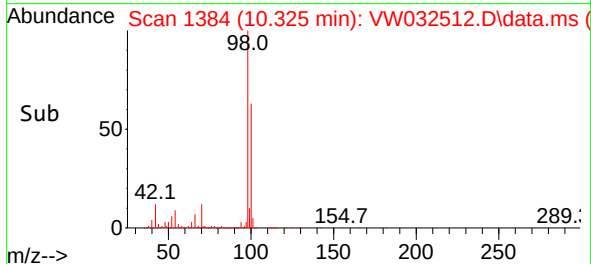
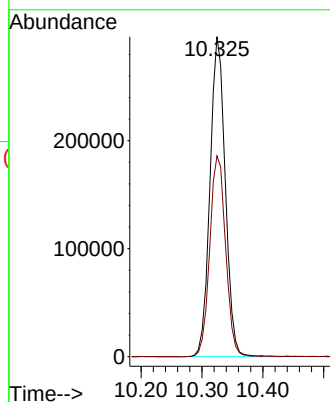
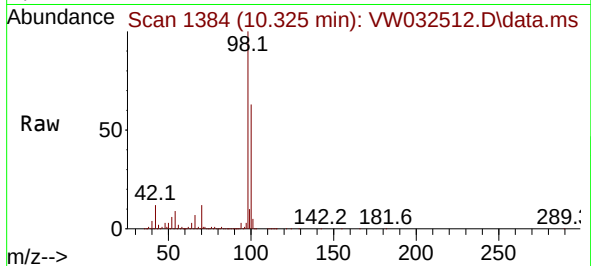




#50
Toluene-d8
Concen: 45.920 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

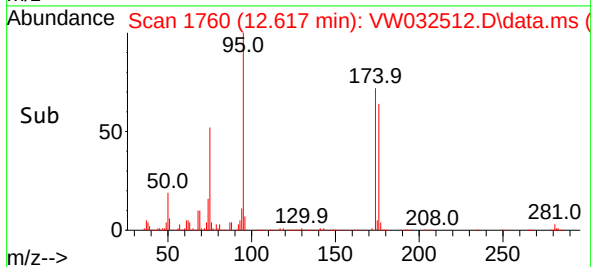
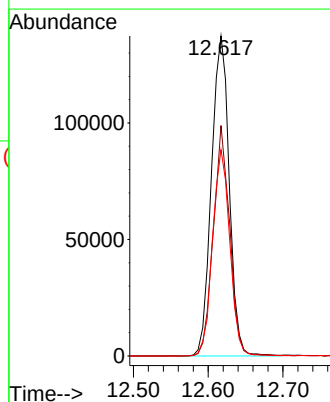
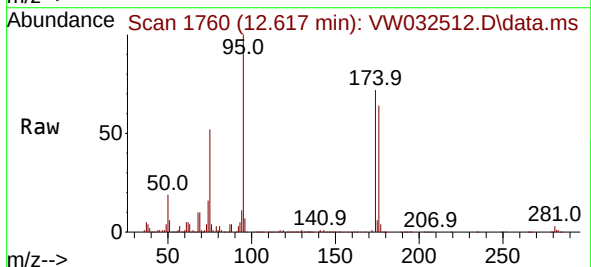
Instrument :
MSVOA_W
ClientSampleId :
VW1120SBL01

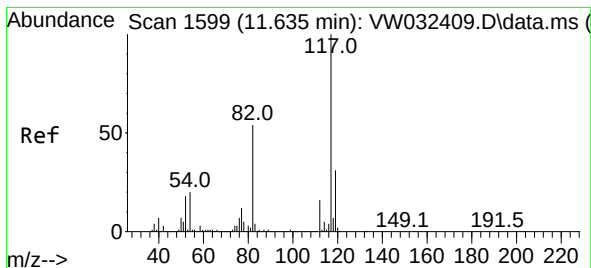
Tgt Ion: 98 Resp: 516310
Ion Ratio Lower Upper
98 100
100 65.1 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.410 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032512.D
Acq: 20 Nov 2025 09:47

Tgt Ion: 95 Resp: 226855
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.4
176 62.7 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VW032512.D

Acq: 20 Nov 2025 09:47

Instrument :

MSVOA_W

ClientSampleId :

VW1120SBL01

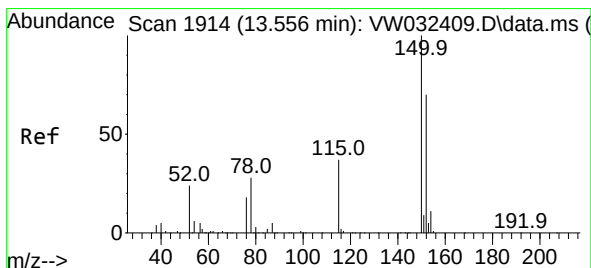
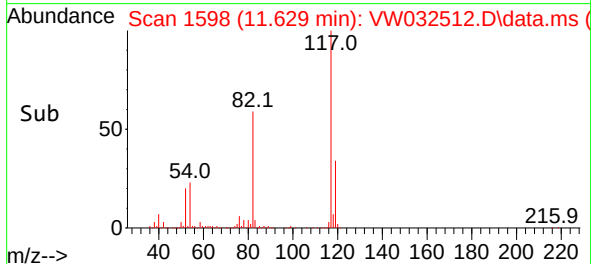
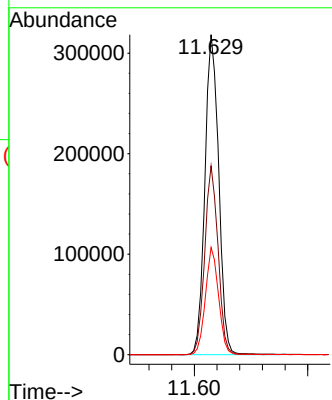
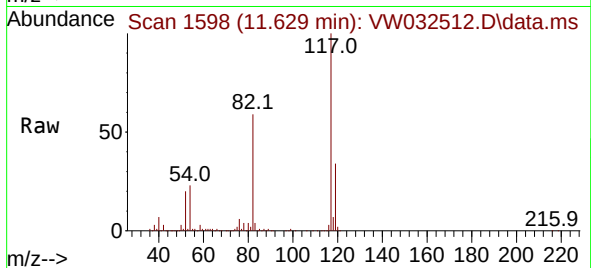
Tgt Ion:117 Resp: 538564

Ion Ratio Lower Upper

117 100

82 59.0 43.0 64.4

119 33.5 25.0 37.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032512.D

Acq: 20 Nov 2025 09:47

Tgt Ion:152 Resp: 252970

Ion Ratio Lower Upper

152 100

115 64.7 32.8 98.3

150 159.6 0.0 356.6

