

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032504.D
 Acq On : 19 Nov 2025 15:49
 Operator : SY/MD
 Sample : Q3619-04
 Misc : 6.23g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GP-B1(12-16)

Quant Time: Nov 20 01:20:19 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	7.965	168	206745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	482828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	532790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284493	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	156683	58.783	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	117.560%
35) Dibromofluoromethane	7.898	113	146919	50.823	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.640%
50) Toluene-d8	10.325	98	509005	45.897	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.800%
62) 4-Bromofluorobenzene	12.617	95	249326	59.514	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	119.020%

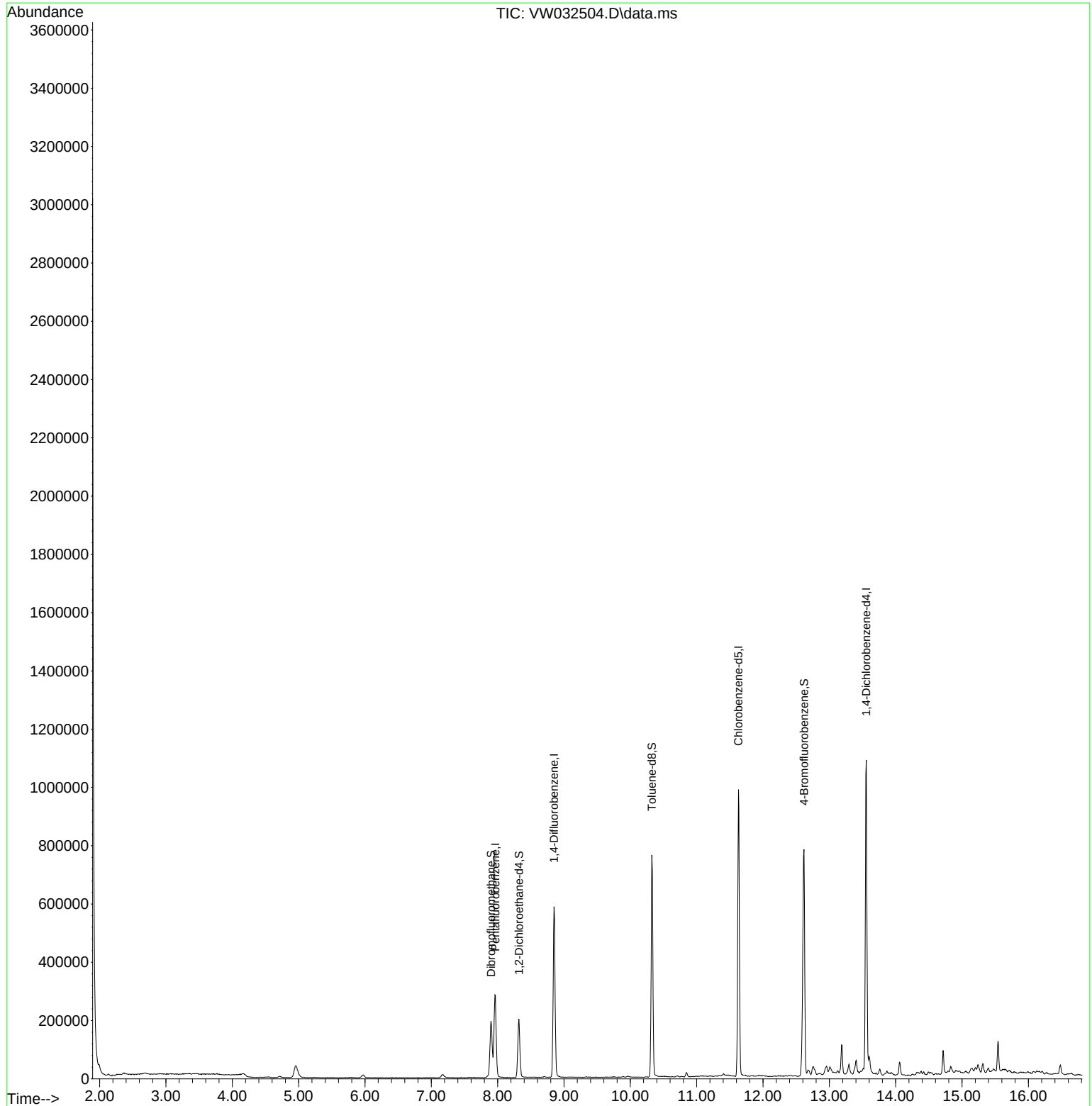
Target Compounds	Qvalue

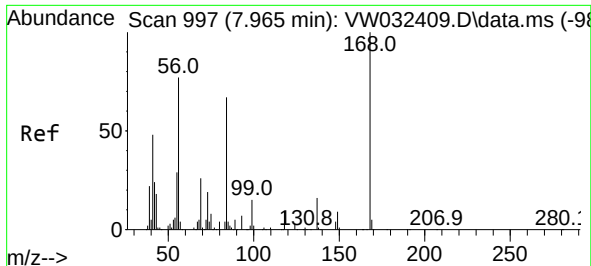
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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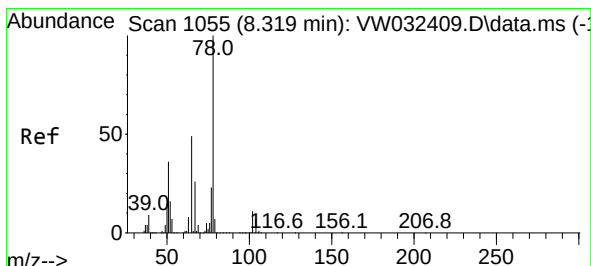
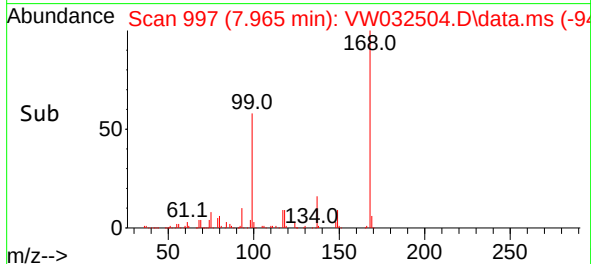
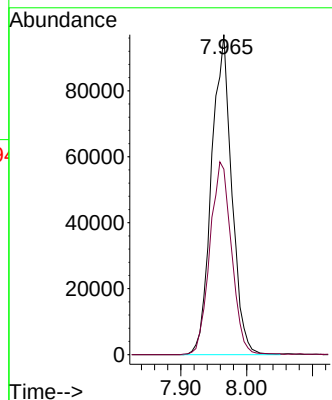
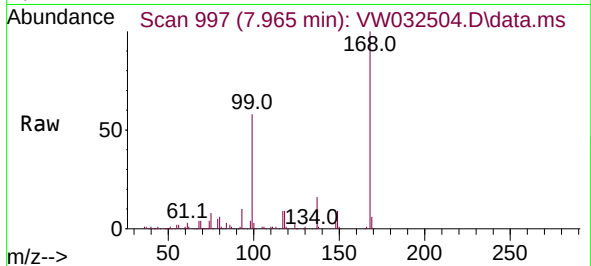




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

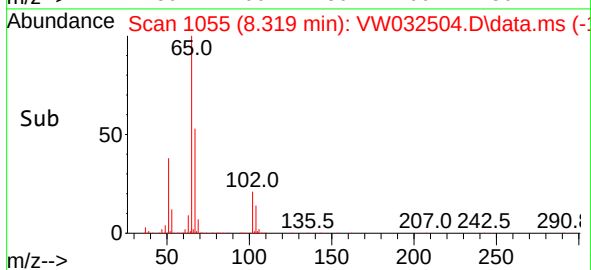
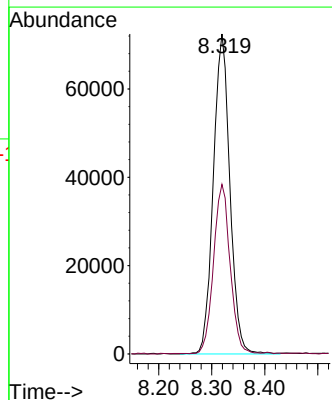
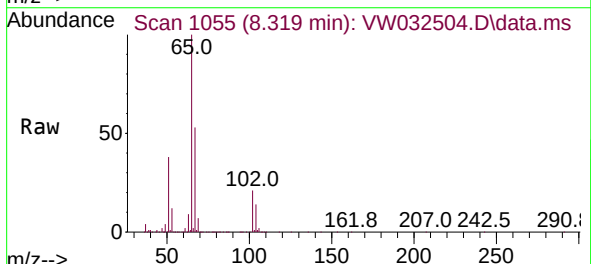
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

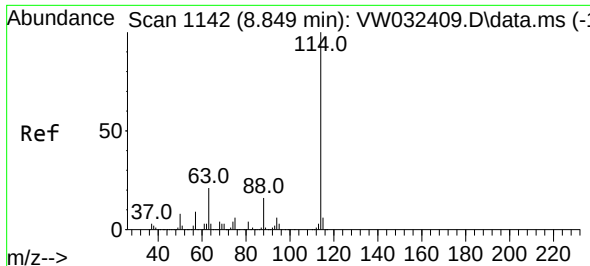
Tgt Ion:168 Resp: 206745
Ion Ratio Lower Upper
168 100
99 57.9 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 58.783 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion: 65 Resp: 156683
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8

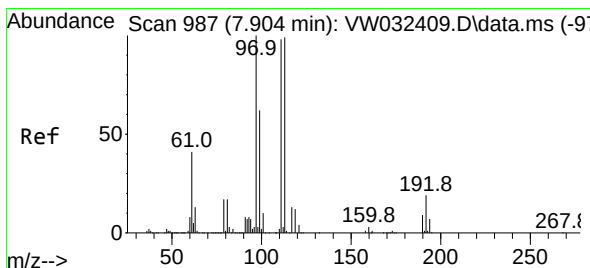
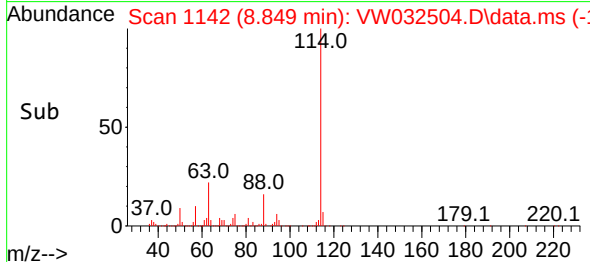
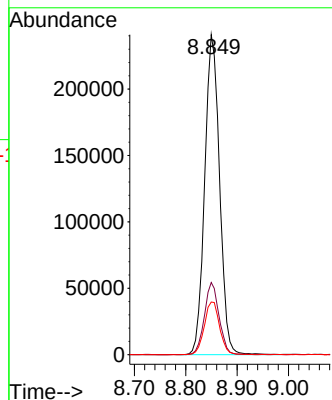
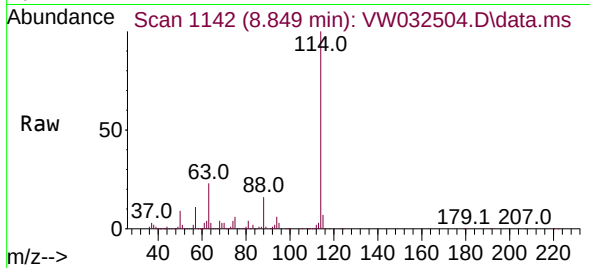




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

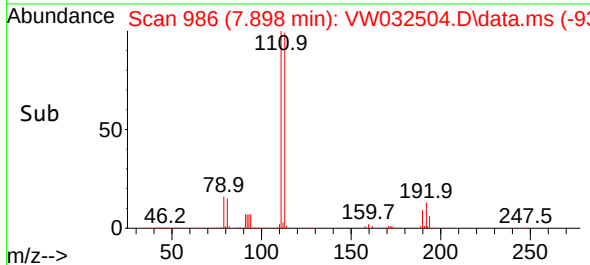
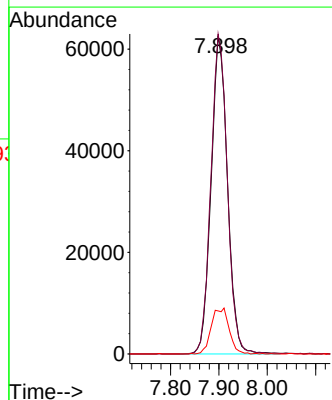
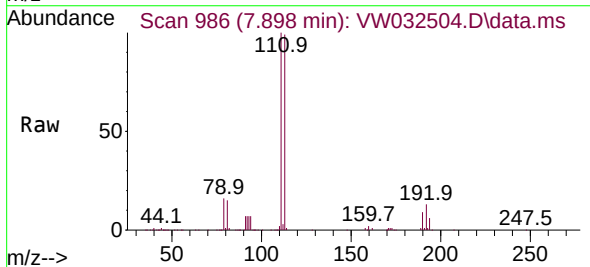
Instrument :
MSVOA_W
ClientSampleId :
GP-B1(12-16)

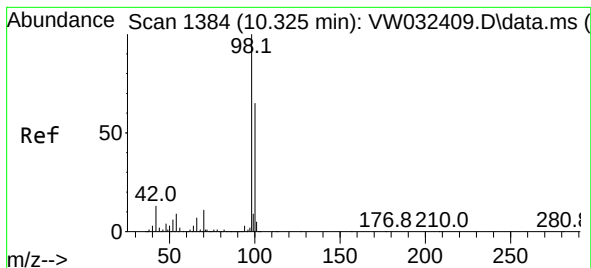
Tgt Ion:114 Resp: 482828
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 50.823 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032504.D
Acq: 19 Nov 2025 15:49

Tgt Ion:113 Resp: 146919
Ion Ratio Lower Upper
113 100
111 101.5 83.1 124.7
192 15.7 13.4 20.2





#50

Toluene-d8

Concen: 45.897 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW032504.D

Acq: 19 Nov 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

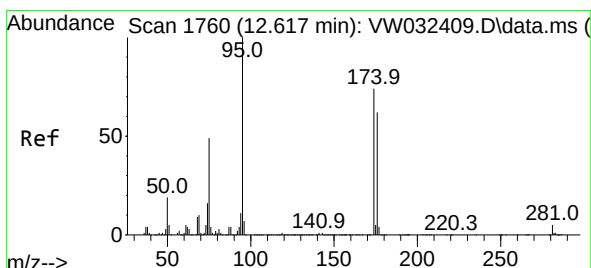
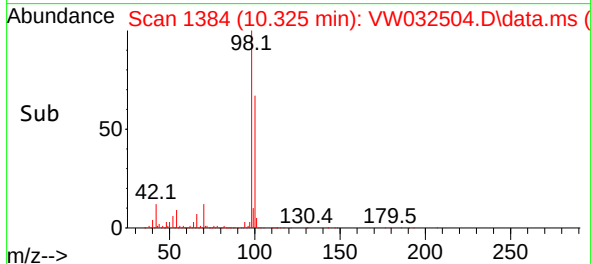
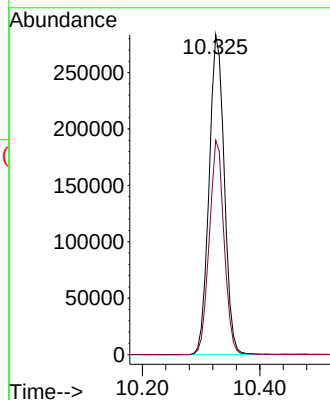
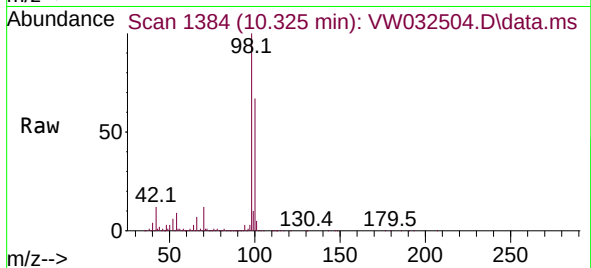
GP-B1(12-16)

Tgt Ion: 98 Resp: 509005

Ion Ratio Lower Upper

98 100

100 65.4 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 59.514 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.000 min

Lab File: VW032504.D

Acq: 19 Nov 2025 15:49

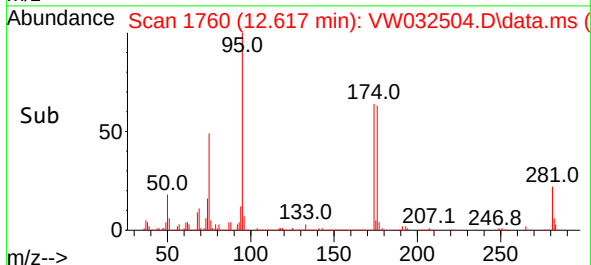
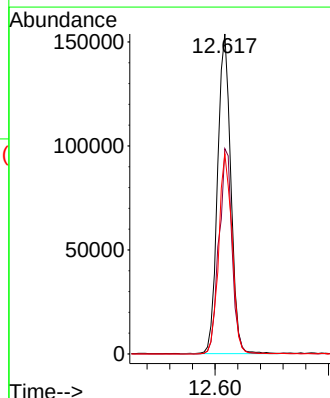
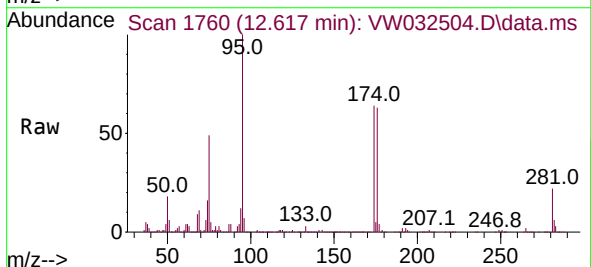
Tgt Ion: 95 Resp: 249326

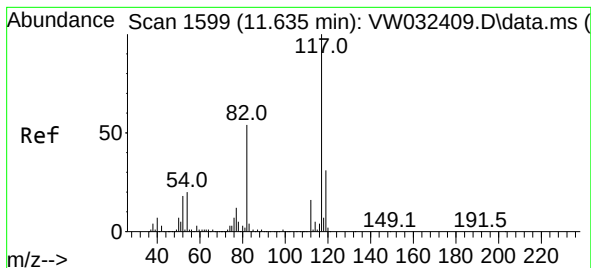
Ion Ratio Lower Upper

95 100

174 63.4 0.0 135.4

176 63.1 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: VW032504.D

Acq: 19 Nov 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :

GP-B1(12-16)

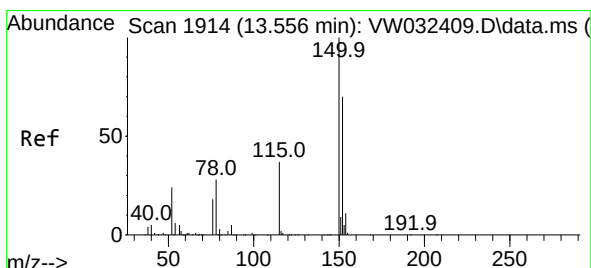
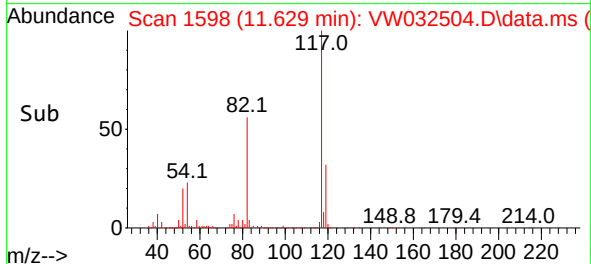
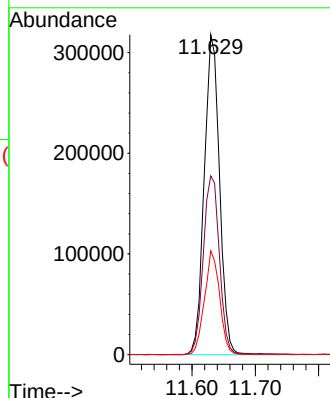
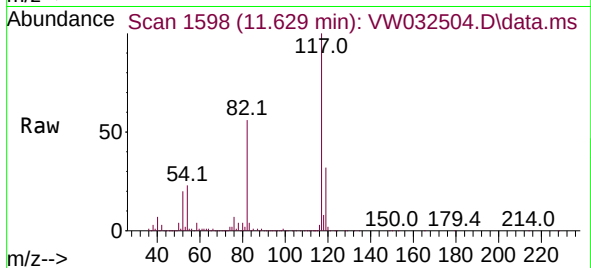
Tgt Ion:117 Resp: 532790

Ion Ratio Lower Upper

117 100

82 55.8 43.0 64.4

119 32.4 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: VW032504.D

Acq: 19 Nov 2025 15:49

Tgt Ion:152 Resp: 284493

Ion Ratio Lower Upper

152 100

115 63.3 32.8 98.3

150 160.2 0.0 356.6

