

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032551.D
 Acq On : 26 Nov 2025 17:55
 Operator : SY/MD
 Sample : Q3719-12
 Misc : 4.51g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-1125-16B

Quant Time: Nov 27 00:31:09 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	189608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	463920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	526803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	256014	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	163489	66.880	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	133.760%
35) Dibromofluoromethane	7.898	113	148536	53.476	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.960%
50) Toluene-d8	10.331	98	481649	45.201	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.400%
62) 4-Bromofluorobenzene	12.617	95	216969	53.901	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.800%

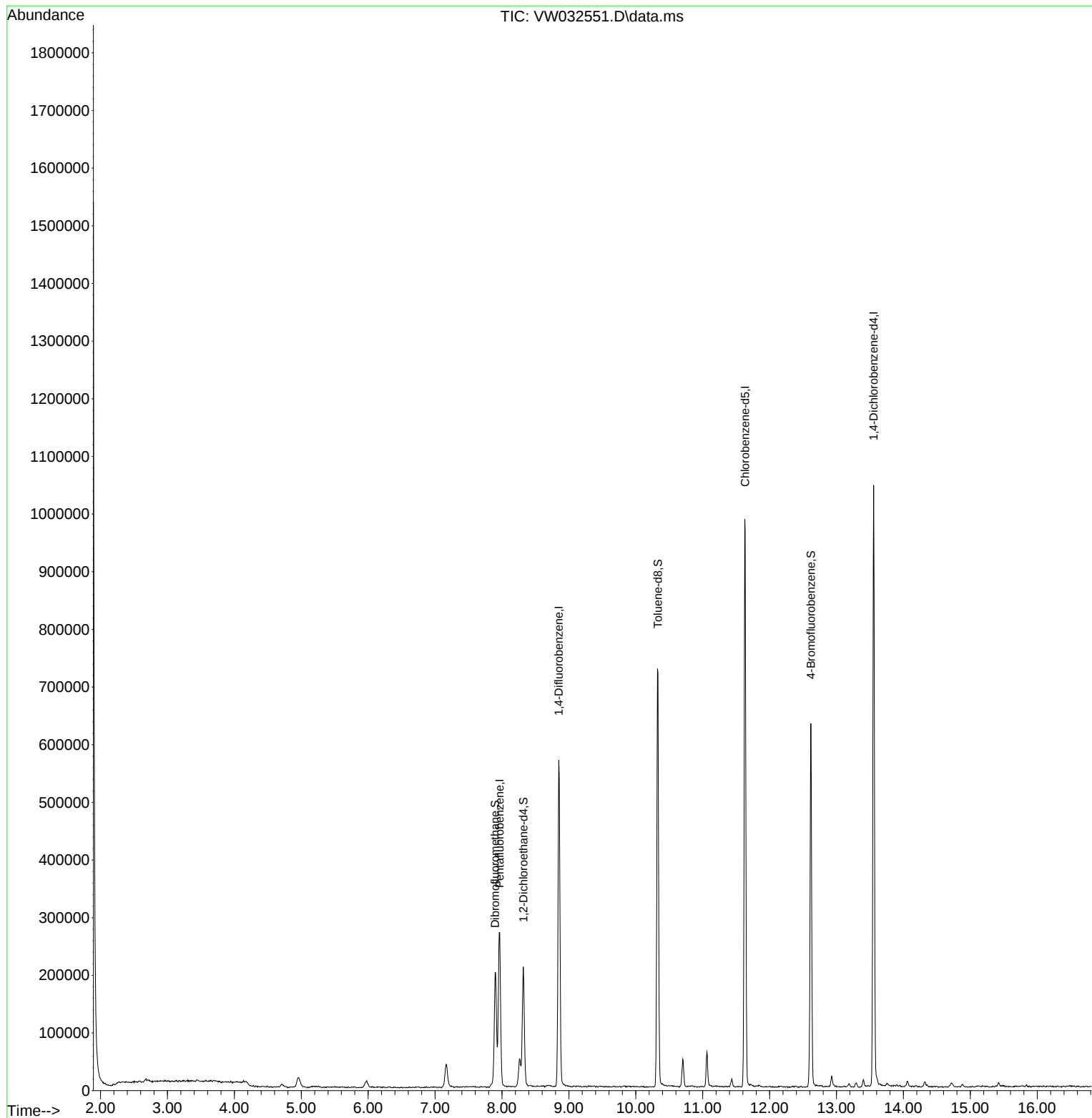
Target Compounds	Qvalue

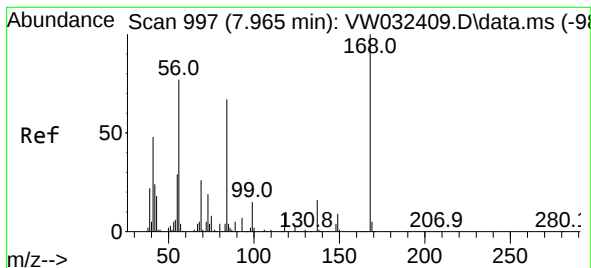
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 997

Delta R.T. 0.000 min

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MSVOA_W

ClientSampleId :

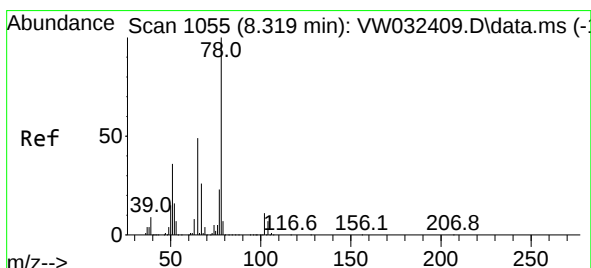
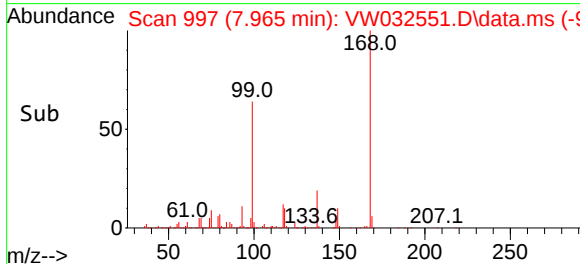
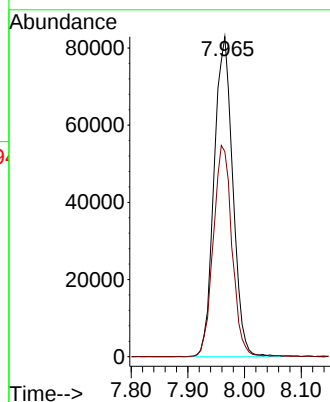
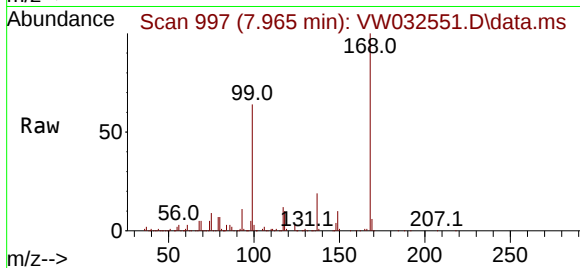
SB-1125-16B

Tgt Ion:168 Resp: 189608

Ion Ratio Lower Upper

168 100

99 64.0 45.4 68.2



#33

1,2-Dichloroethane-d4

Concen: 66.880 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032551.D

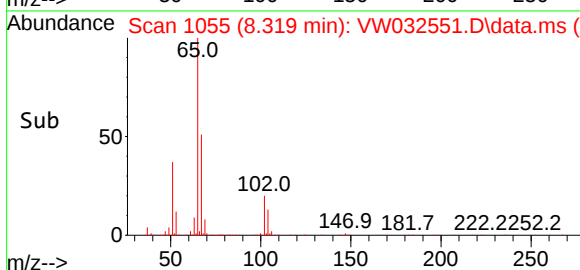
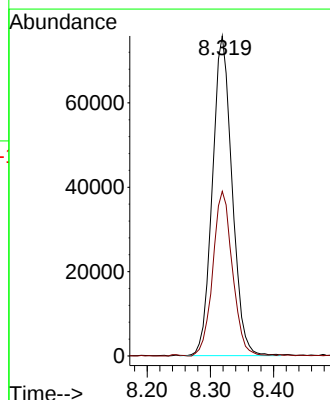
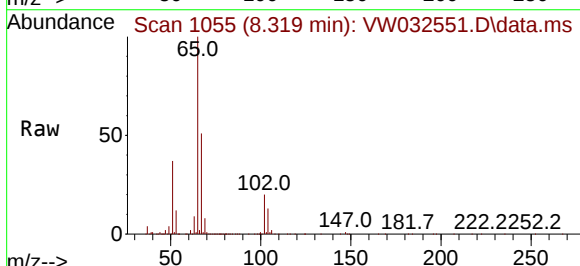
Acq: 26 Nov 2025 17:55

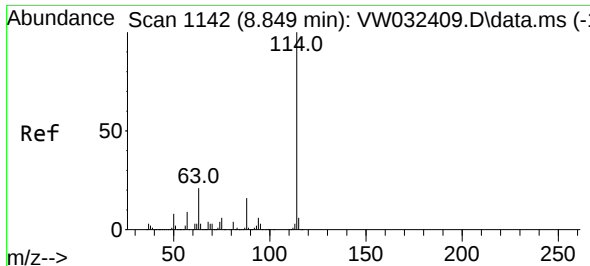
Tgt Ion: 65 Resp: 163489

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.8

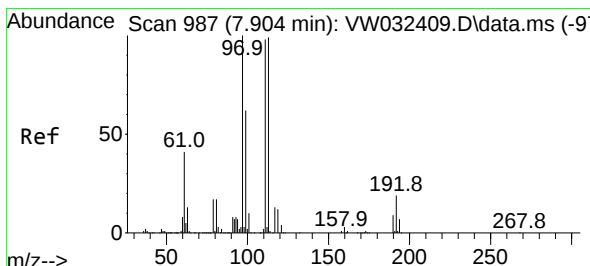
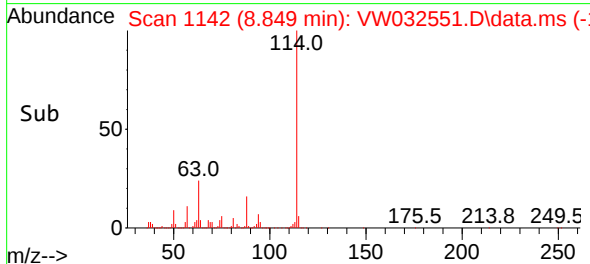
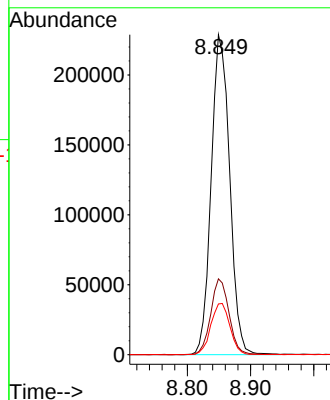
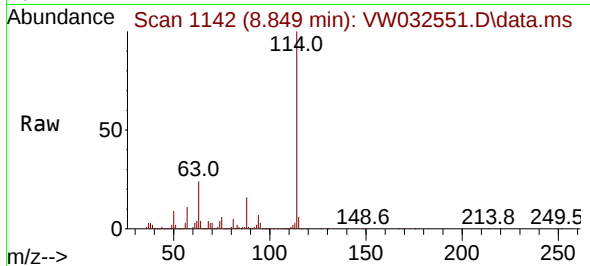




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

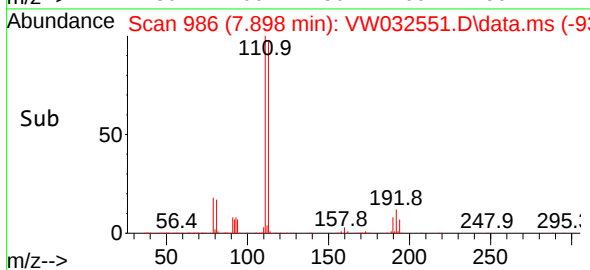
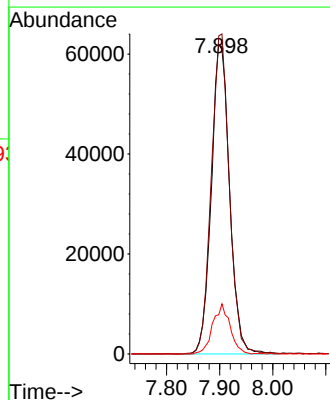
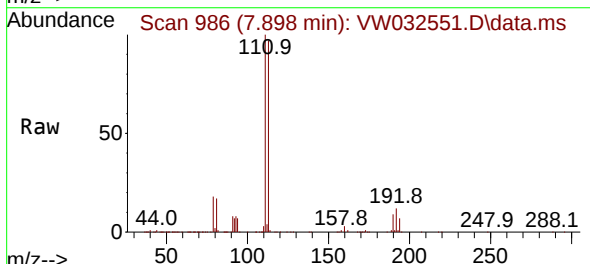
Instrument :
MSVOA_W
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SB-1125-16B

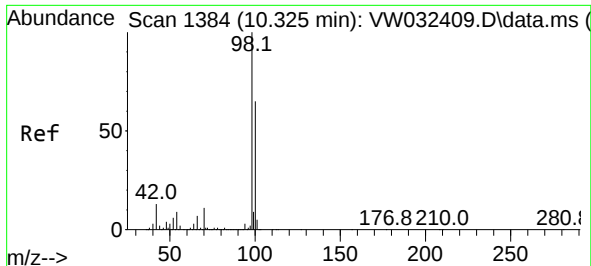
Tgt Ion:114 Resp: 463920
Ion Ratio Lower Upper
114 100
63 23.7 0.0 41.8
88 15.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.476 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion:113 Resp: 148536
Ion Ratio Lower Upper
113 100
111 102.0 83.1 124.7
192 15.3 13.4 20.2

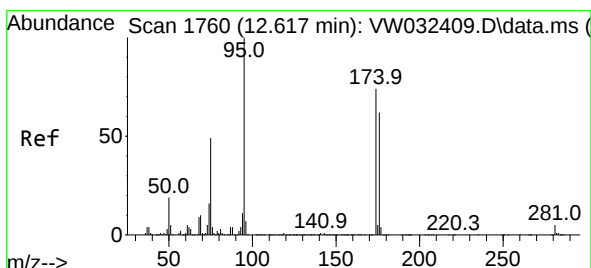
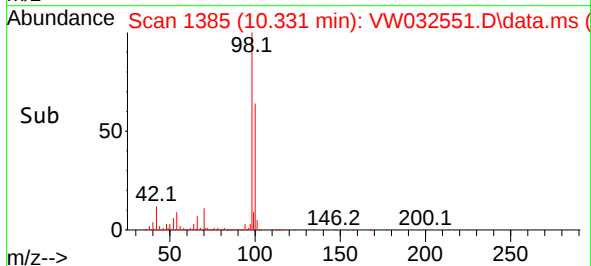
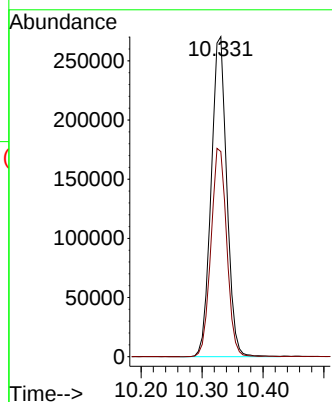
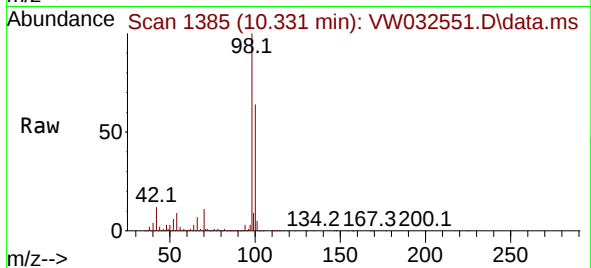




#50
Toluene-d8
Concen: 45.201 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

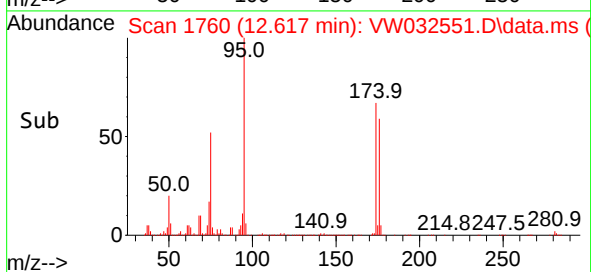
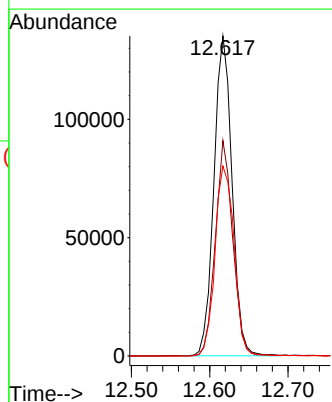
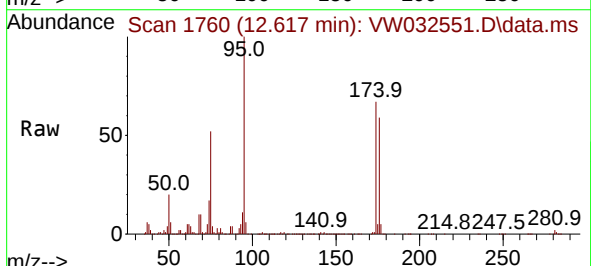
Instrument :
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ClientSampleId :
SB-1125-16B

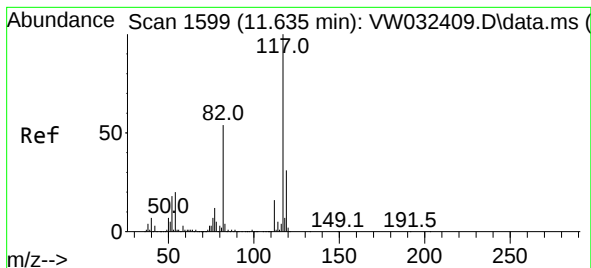
Tgt Ion: 98 Resp: 481649
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 53.901 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032551.D
Acq: 26 Nov 2025 17:55

Tgt Ion: 95 Resp: 216969
Ion Ratio Lower Upper
95 100
174 65.3 0.0 135.4
176 62.9 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032551.D

Acq: 26 Nov 2025 17:55

Instrument :

MSVOA_W

ClientSampleId :

SB-1125-16B

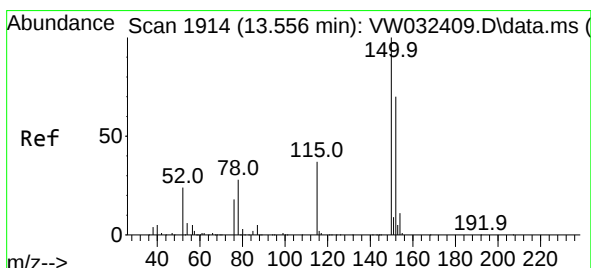
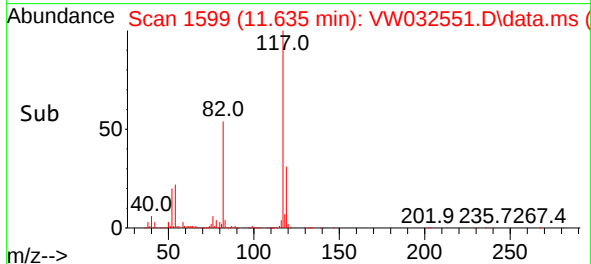
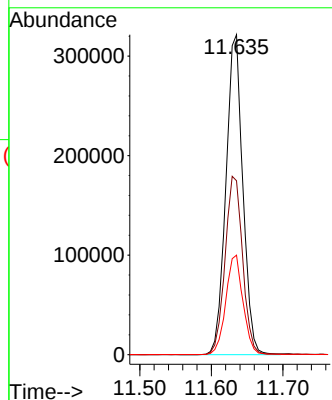
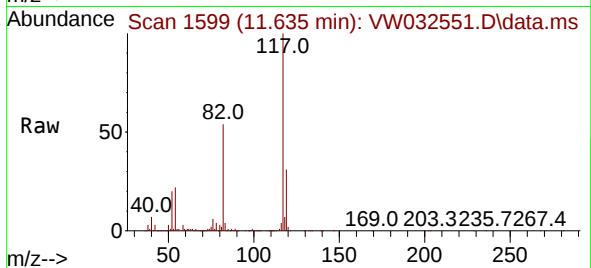
Tgt Ion:117 Resp: 526803

Ion Ratio Lower Upper

117 100

82 54.3 43.0 64.4

119 31.0 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: VW032551.D

Acq: 26 Nov 2025 17:55

Tgt Ion:152 Resp: 256014

Ion Ratio Lower Upper

152 100

115 64.3 32.8 98.3

150 160.2 0.0 356.6

