

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032483.D
 Acq On : 18 Nov 2025 15:52
 Operator : SY/MD
 Sample : Q3649-05
 Misc : 5.39g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B4-0.05-1.0-20251114

Quant Time: Nov 19 00:29:18 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	232615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	543396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	601253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	284001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	177301	59.121	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.240%
35) Dibromofluoromethane	7.904	113	162454	49.933	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.860%
50) Toluene-d8	10.325	98	571784	45.811	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.620%
62) 4-Bromofluorobenzene	12.617	95	266833	56.593	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	113.180%

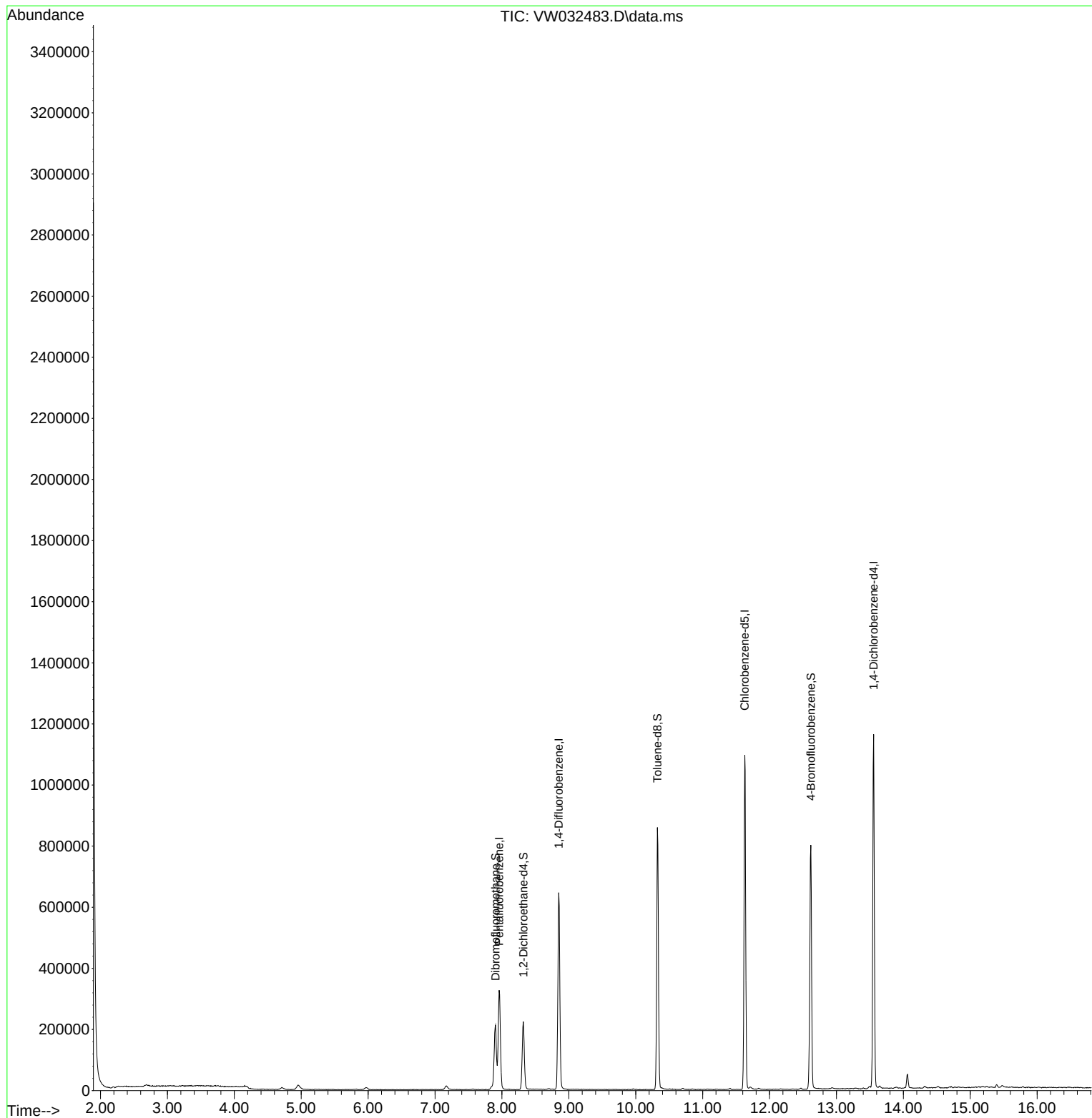
Target Compounds	Qvalue

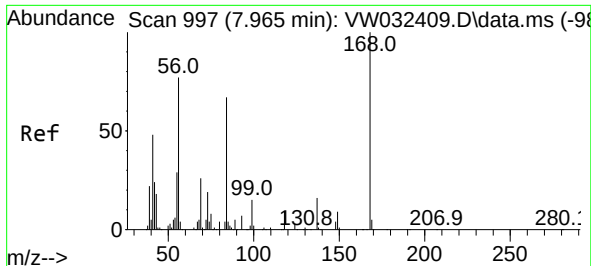
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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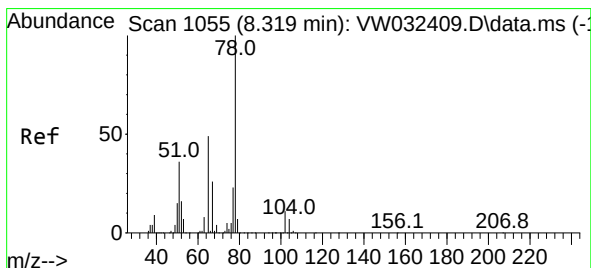
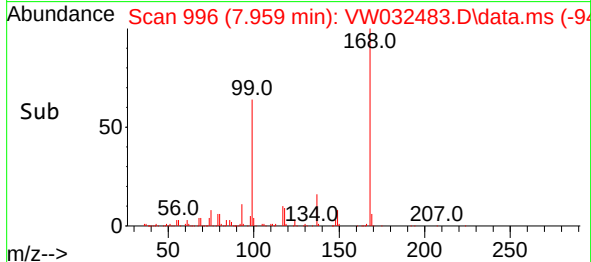
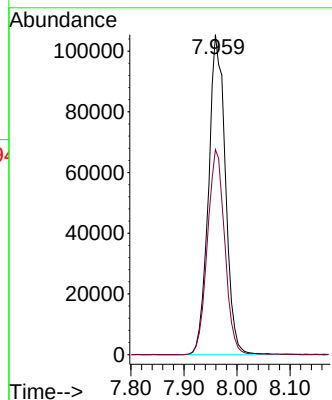
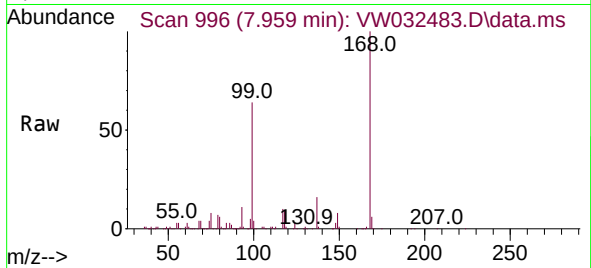




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

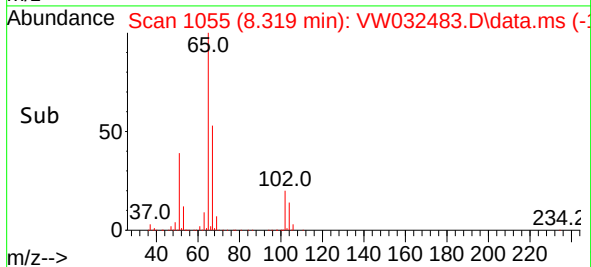
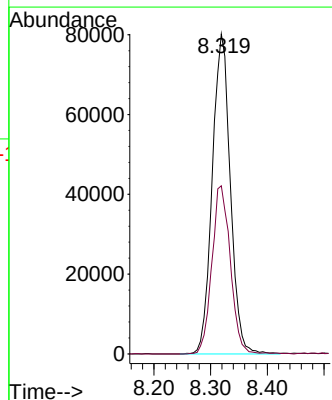
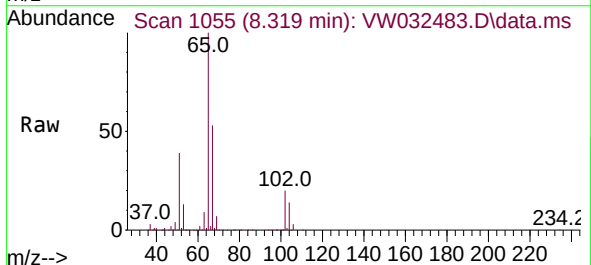
Instrument :
MSVOA_W
ClientSampleId :
B4-0.05-1.0-20251114

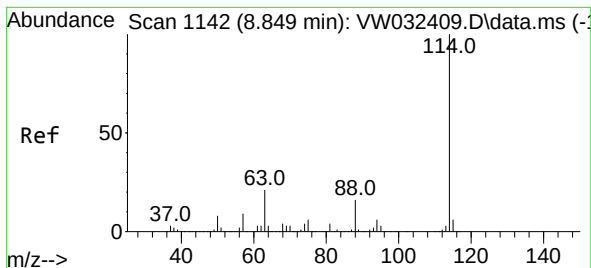
Tgt Ion:168 Resp: 232615
Ion Ratio Lower Upper
168 100
99 64.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 59.121 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 65 Resp: 177301
Ion Ratio Lower Upper
65 100
67 53.6 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: VW032483.D

Acq: 18 Nov 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

B4-0.05-1.0-20251114

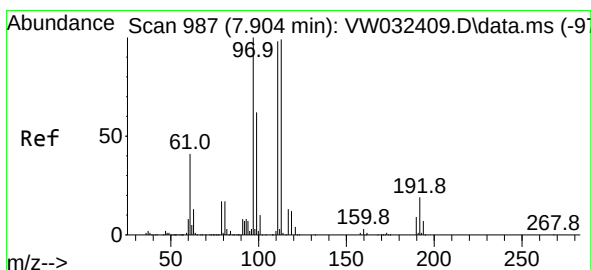
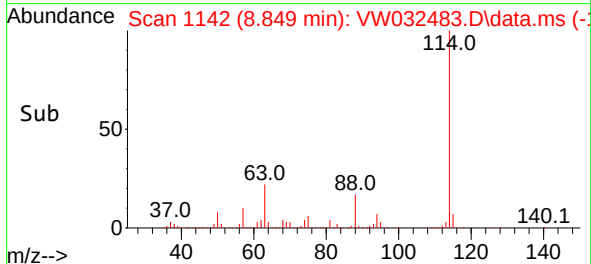
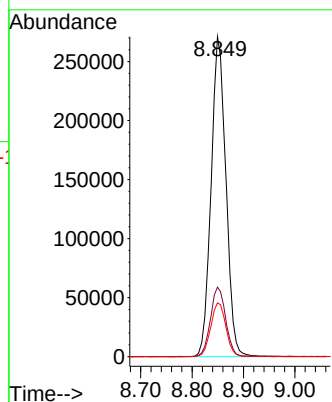
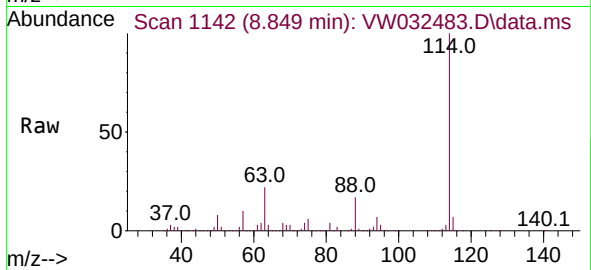
Tgt Ion:114 Resp: 543396

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

88 16.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.933 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032483.D

Acq: 18 Nov 2025 15:52

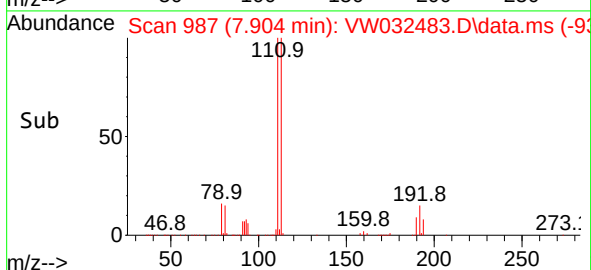
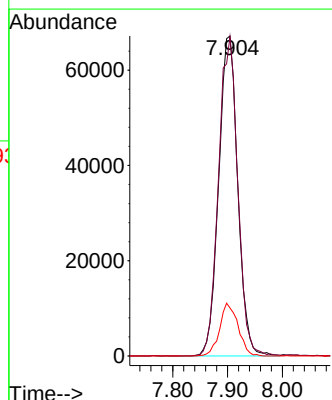
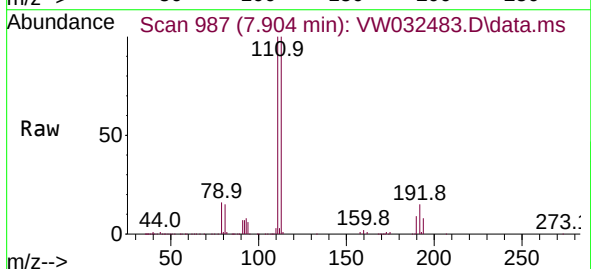
Tgt Ion:113 Resp: 162454

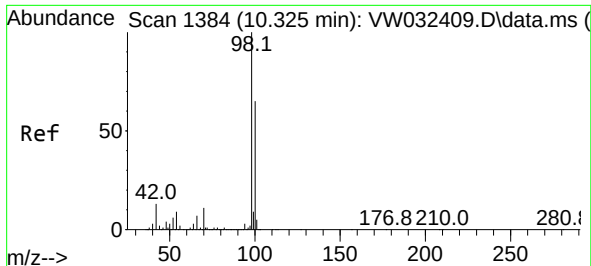
Ion Ratio Lower Upper

113 100

111 100.4 83.1 124.7

192 15.8 13.4 20.2

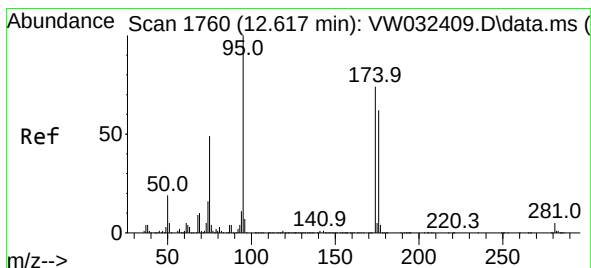
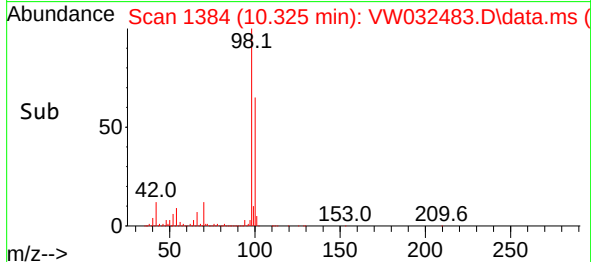
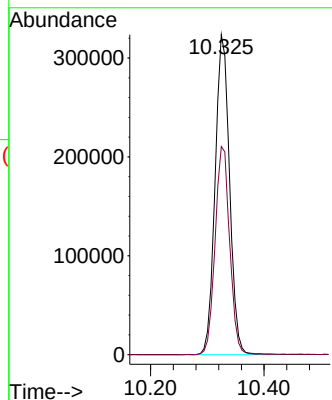
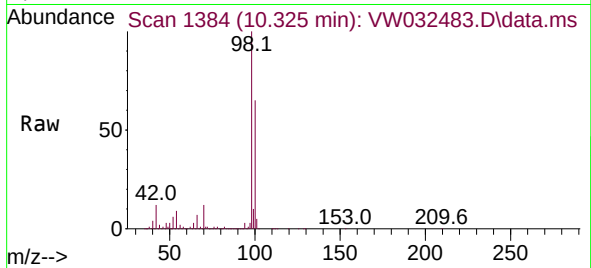




#50
Toluene-d8
Concen: 45.811 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

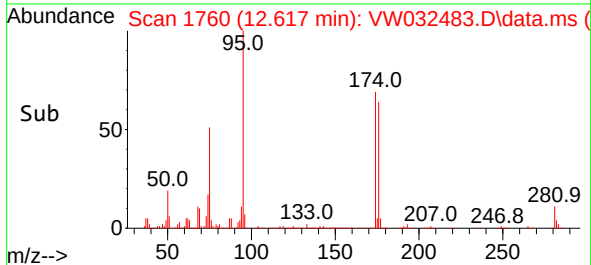
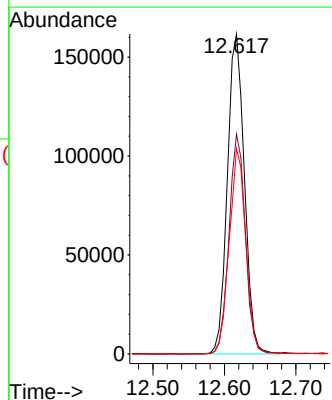
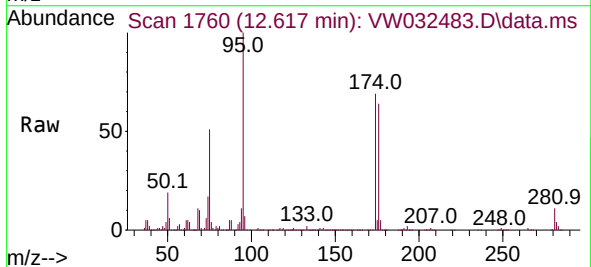
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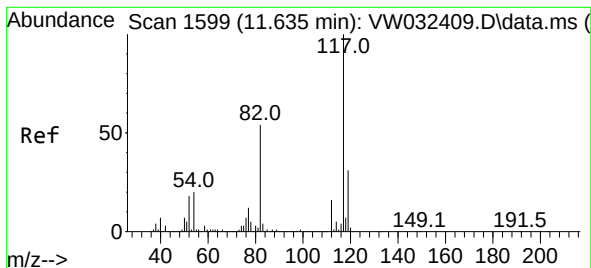
Tgt Ion: 98 Resp: 571784
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.593 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032483.D
Acq: 18 Nov 2025 15:52

Tgt Ion: 95 Resp: 266833
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.4
176 62.4 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: VW032483.D

Acq: 18 Nov 2025 15:52

Instrument :

MSVOA_W

ClientSampleId :

B4-0.05-1.0-20251114

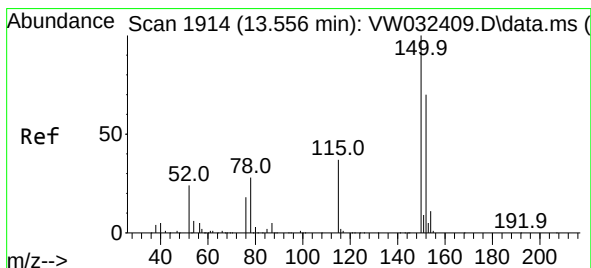
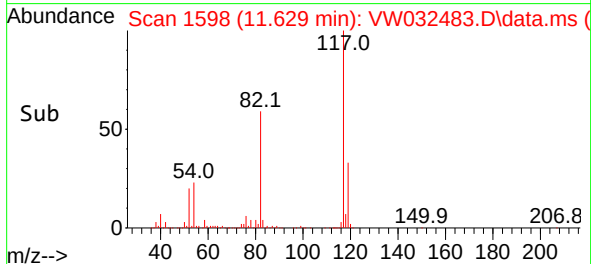
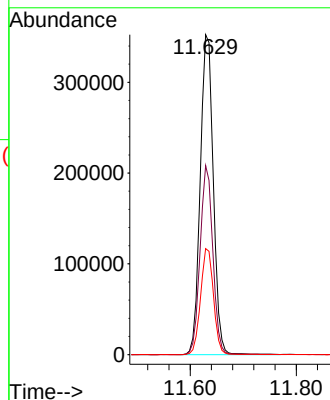
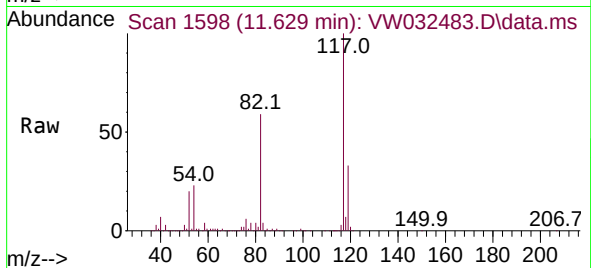
Tgt Ion:117 Resp: 601253

Ion Ratio Lower Upper

117 100

82 59.1 43.0 64.4

119 33.1 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: VW032483.D

Acq: 18 Nov 2025 15:52

Tgt Ion:152 Resp: 284001

Ion Ratio Lower Upper

152 100

115 67.9 32.8 98.3

150 171.5 0.0 356.6

