

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032465.D
 Acq On : 17 Nov 2025 17:51
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Nov 18 03:08:00 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	248234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	634362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	661578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	318268	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	185548	57.978	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	115.960%
35) Dibromofluoromethane	7.904	113	168335	44.321	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.640%
50) Toluene-d8	10.325	98	663260	45.520	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.617	95	287476	52.228	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.460%

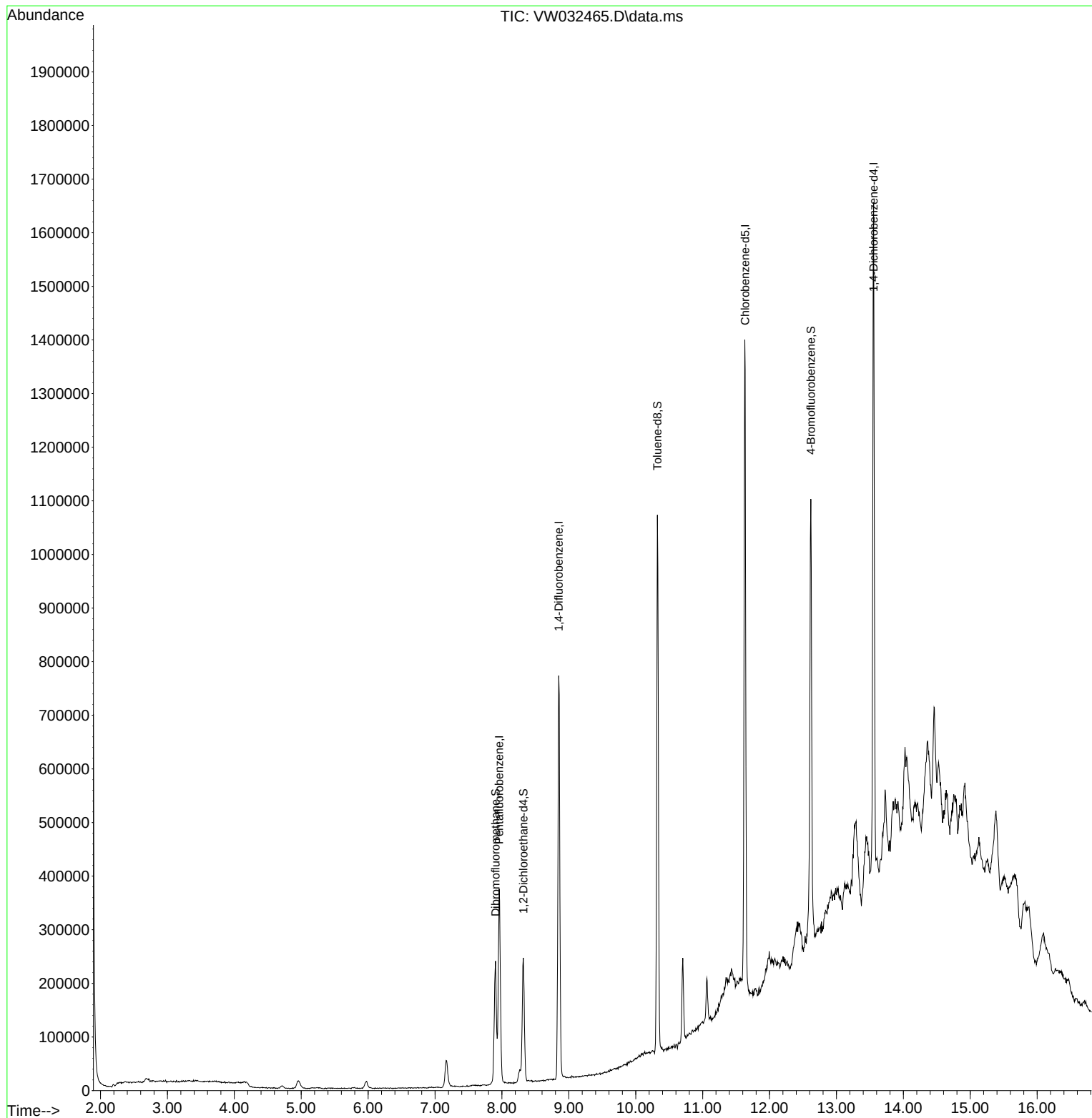
Target Compounds	Qvalue

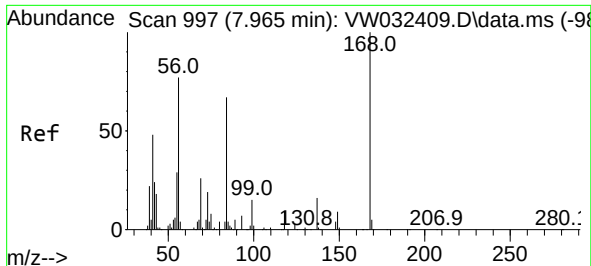
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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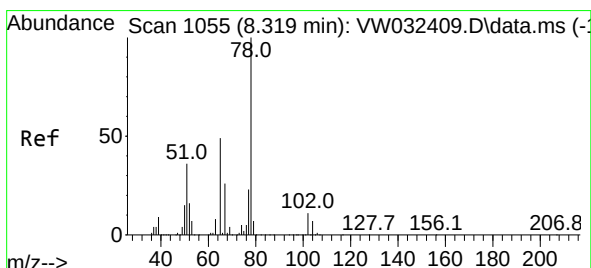
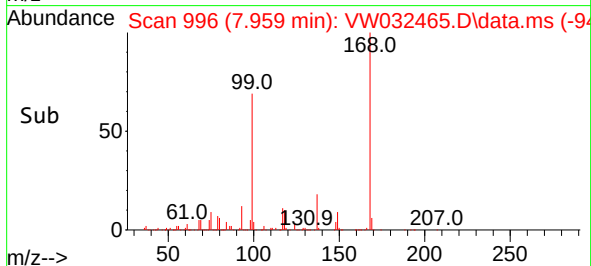
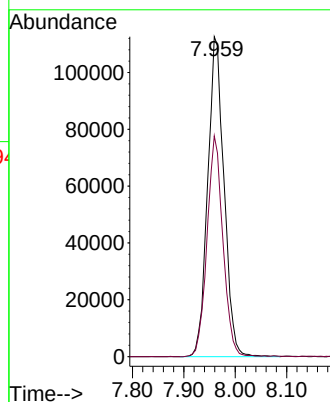
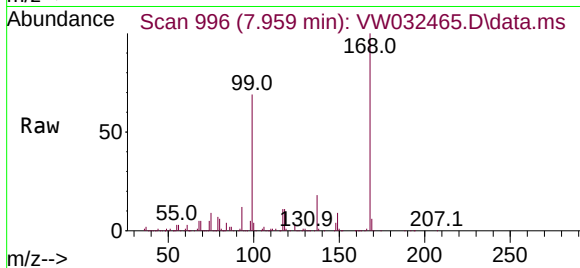




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

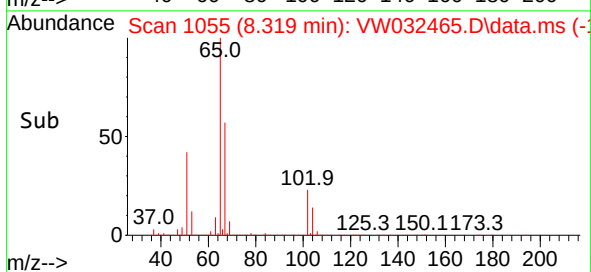
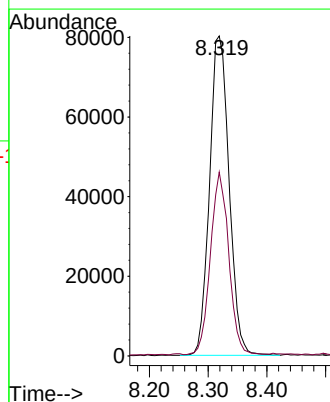
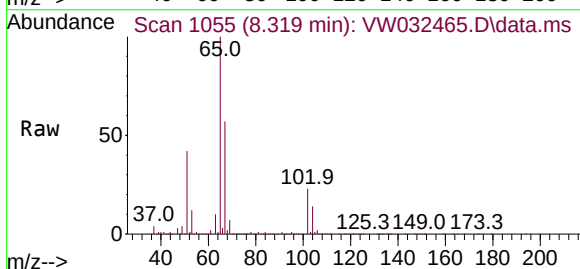
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

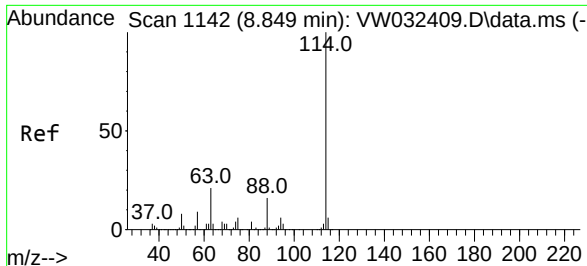
Tgt Ion:168 Resp: 248234
Ion Ratio Lower Upper
168 100
99 69.0 45.4 68.2#



#33
1,2-Dichloroethane-d4
Concen: 57.978 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 65 Resp: 185548
Ion Ratio Lower Upper
65 100
67 53.5 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: VW032465.D

Acq: 17 Nov 2025 17:51

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

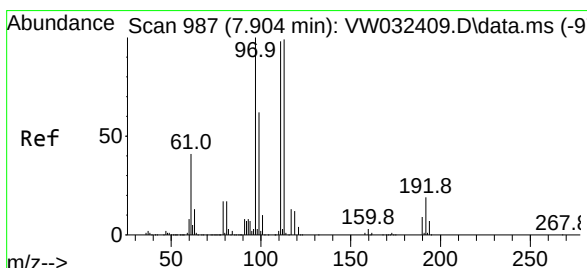
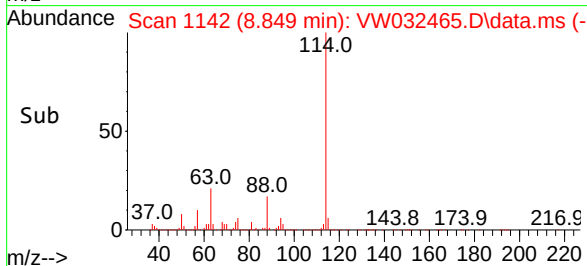
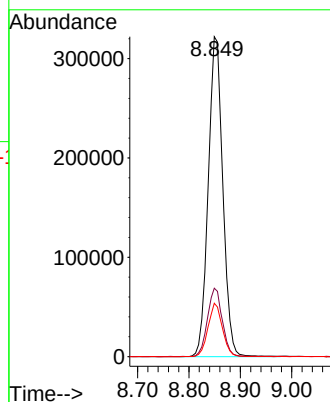
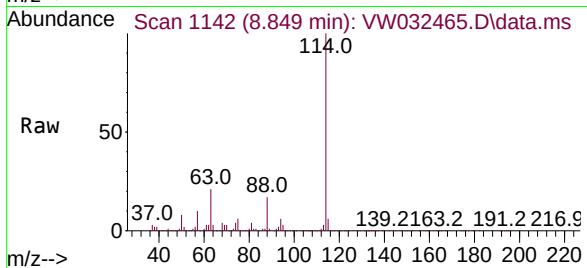
Tgt Ion:114 Resp: 634362

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 44.321 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW032465.D

Acq: 17 Nov 2025 17:51

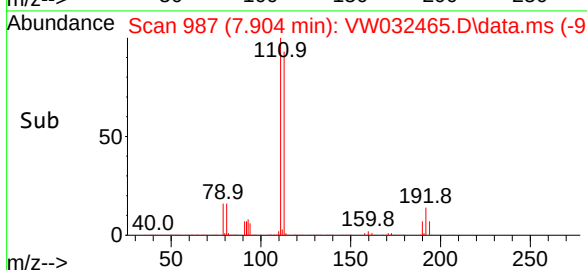
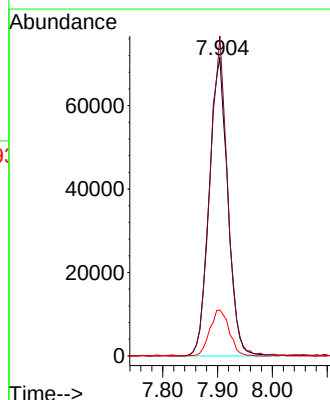
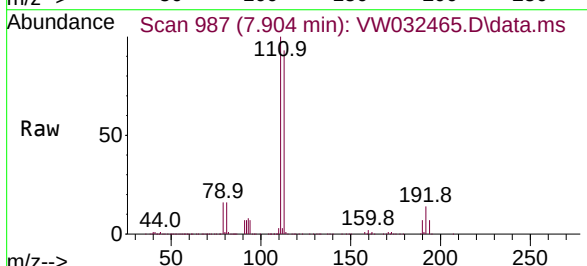
Tgt Ion:113 Resp: 168335

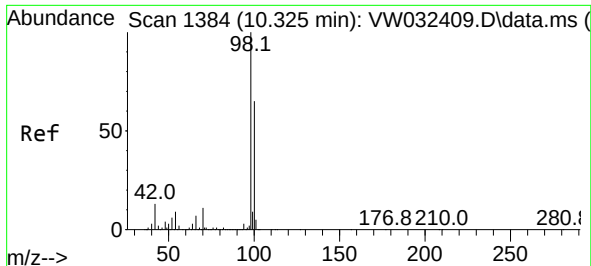
Ion Ratio Lower Upper

113 100

111 102.6 83.1 124.7

192 16.1 13.4 20.2

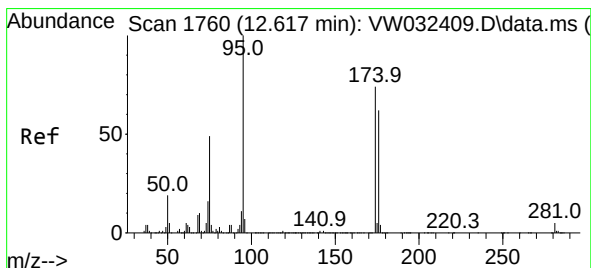
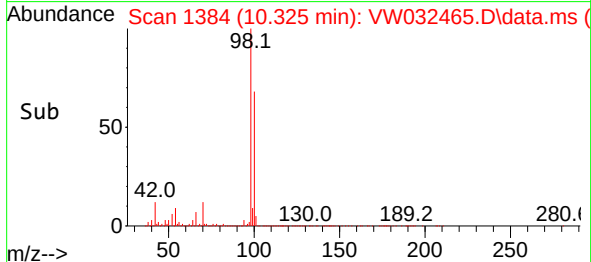
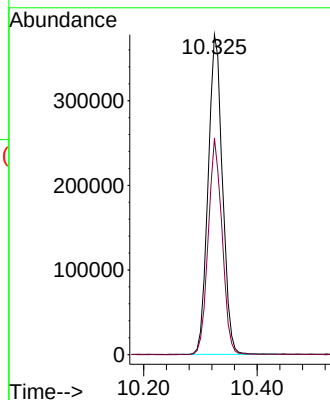
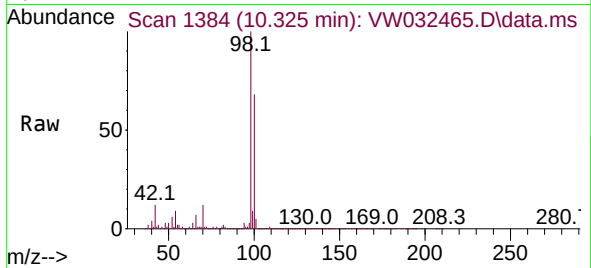




#50
Toluene-d8
Concen: 45.520 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

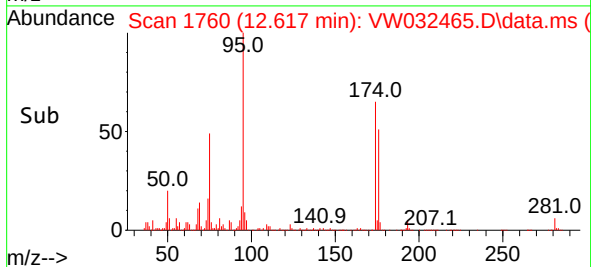
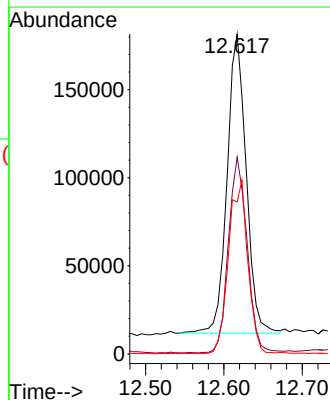
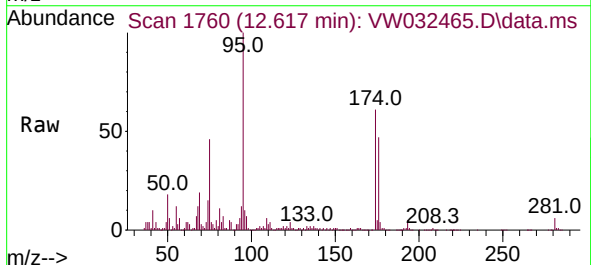
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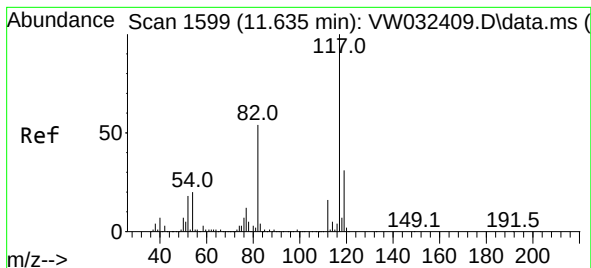
Tgt Ion: 98 Resp: 663260
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.228 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032465.D
Acq: 17 Nov 2025 17:51

Tgt Ion: 95 Resp: 287476
Ion Ratio Lower Upper
95 100
174 64.3 0.0 135.4
176 58.5 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: VW032465.D

Acq: 17 Nov 2025 17:51

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

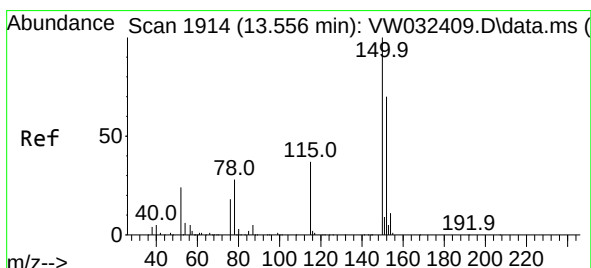
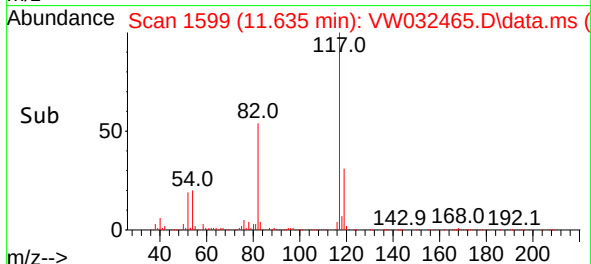
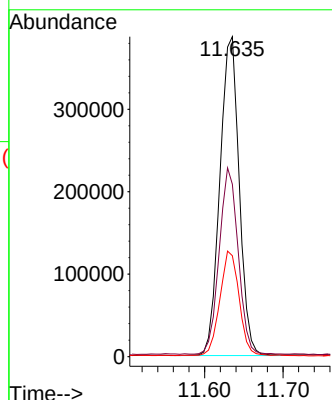
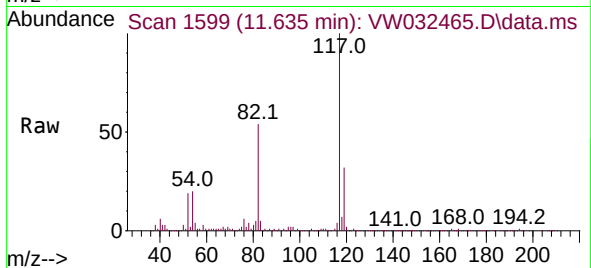
Tgt Ion:117 Resp: 661578

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.2 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: VW032465.D

Acq: 17 Nov 2025 17:51

Tgt Ion:152 Resp: 318268

Ion Ratio Lower Upper

152 100

115 63.8 32.8 98.3

150 163.2 0.0 356.6

