

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032425.D
 Acq On : 11 Nov 2025 13:11
 Operator : SY/MD
 Sample : Q3583-04
 Misc : 4.20g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CHRT27080

Quant Time: Nov 12 03:48:46 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	243308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	557949	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	544157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	224230	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	208361	66.424	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	132.840%
35) Dibromofluoromethane	7.904	113	195325	58.470	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	116.940%
50) Toluene-d8	10.324	98	704185	54.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	109.900%
62) 4-Bromofluorobenzene	12.617	95	273125	56.417	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	112.840%

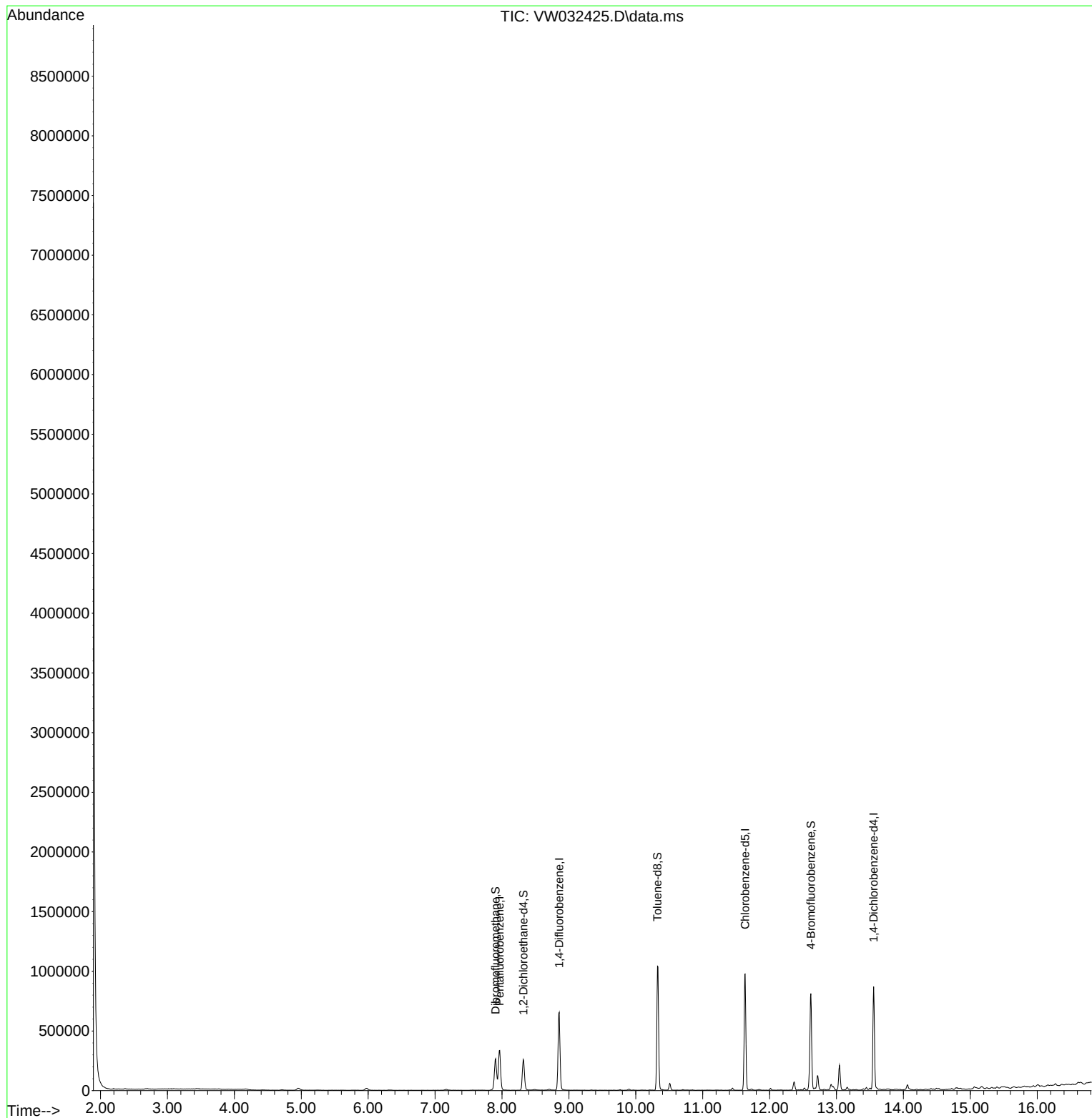
Target Compounds	Qvalue

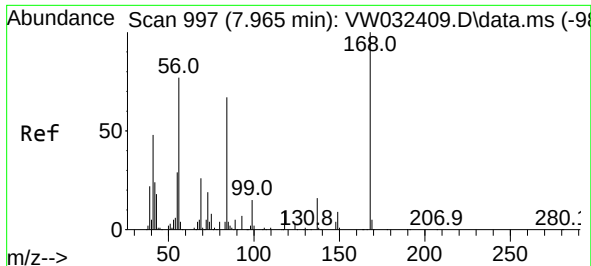
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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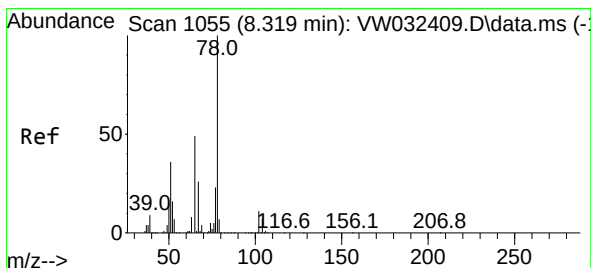
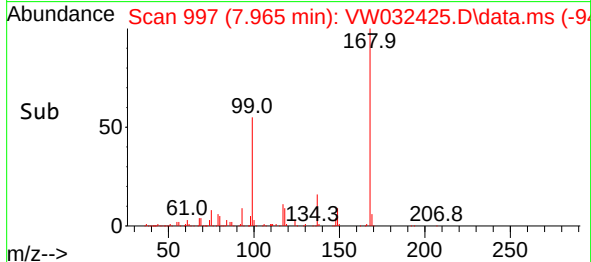
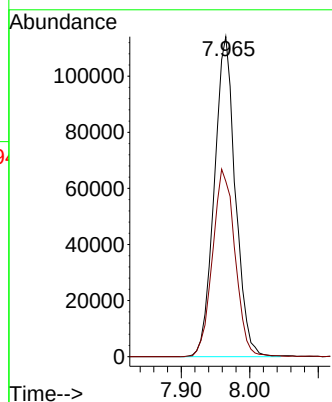
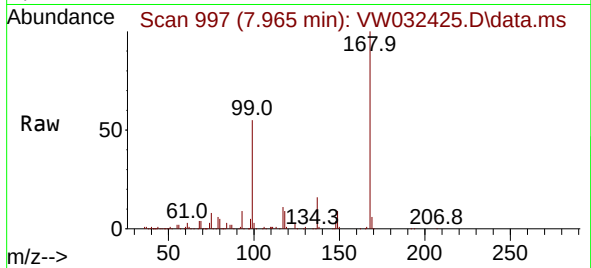




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032425.D
Acq: 11 Nov 2025 13:11

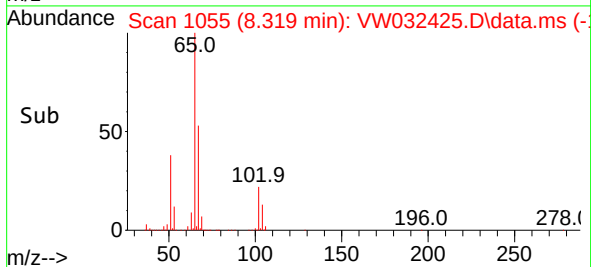
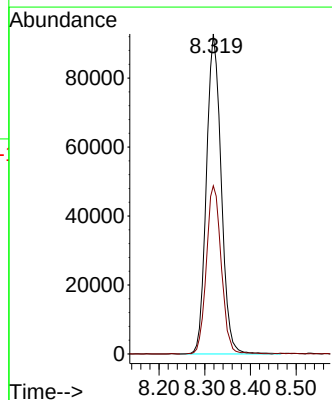
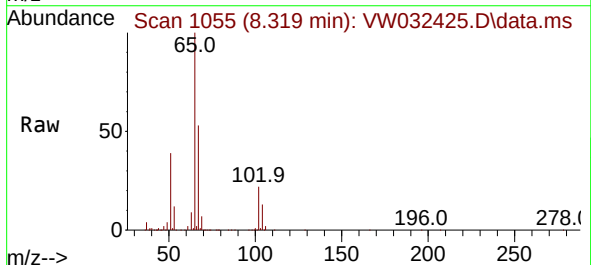
Instrument :
MSVOA_W
ClientSampleId :
CHRT27080

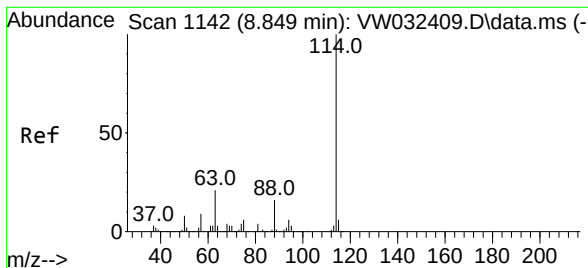
Tgt Ion:168 Resp: 243308
Ion Ratio Lower Upper
168 100
99 54.8 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 66.424 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032425.D
Acq: 11 Nov 2025 13:11

Tgt Ion: 65 Resp: 208361
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VW032425.D

Acq: 11 Nov 2025 13:11

Instrument :

MSVOA_W

ClientSampleId :

CHRT27080

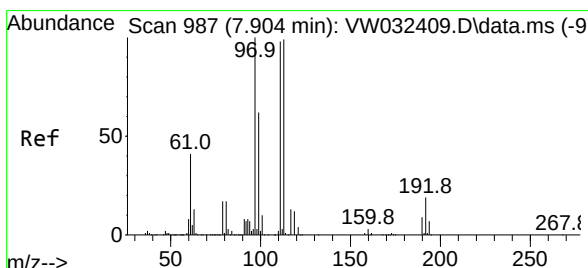
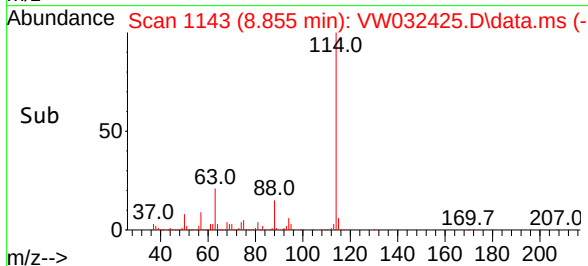
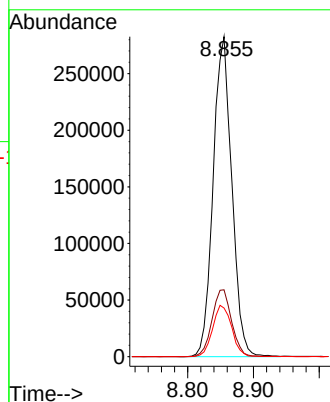
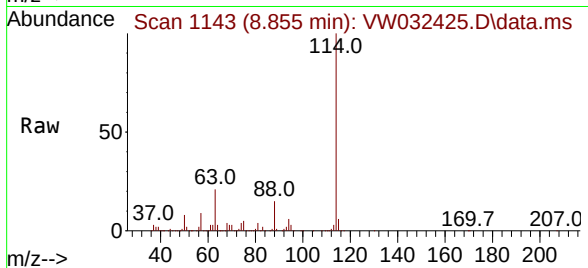
Tgt Ion:114 Resp: 557949

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 15.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 58.470 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032425.D

Acq: 11 Nov 2025 13:11

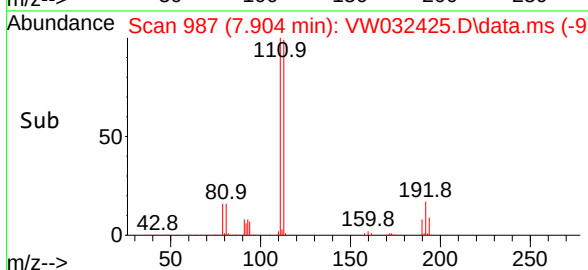
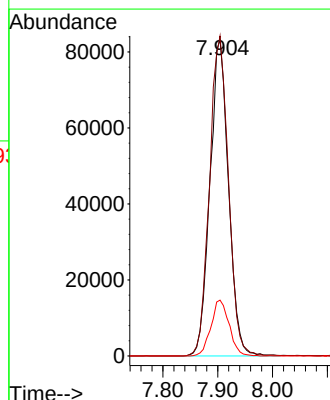
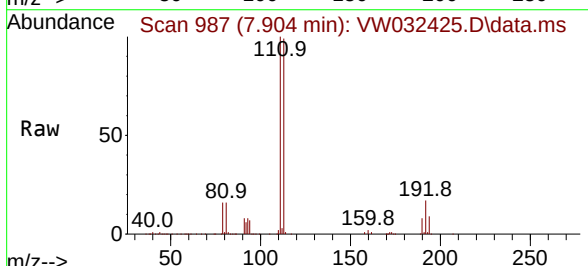
Tgt Ion:113 Resp: 195325

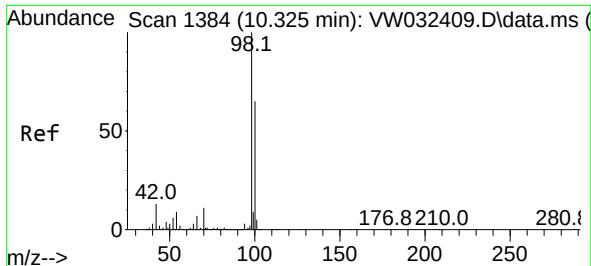
Ion Ratio Lower Upper

113 100

111 103.2 83.1 124.7

192 17.4 13.4 20.2

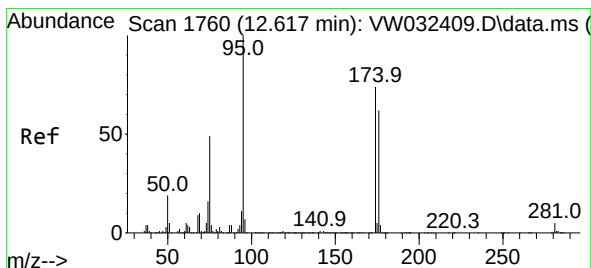
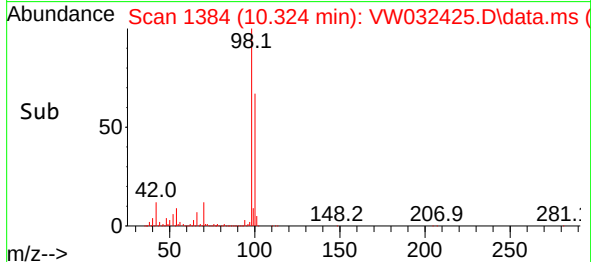
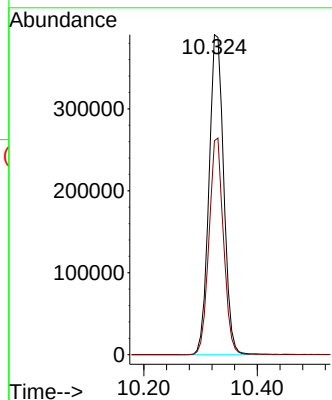
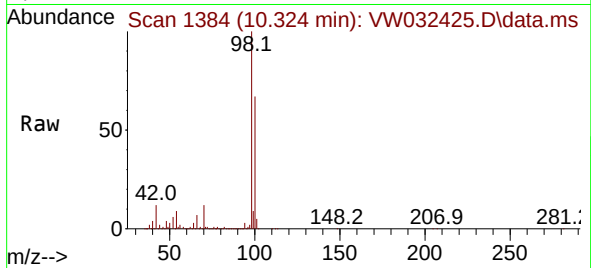




#50
Toluene-d8
Concen: 54.948 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032425.D
Acq: 11 Nov 2025 13:11

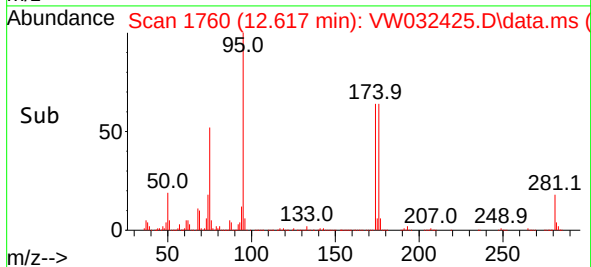
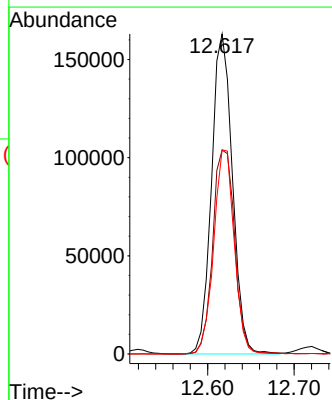
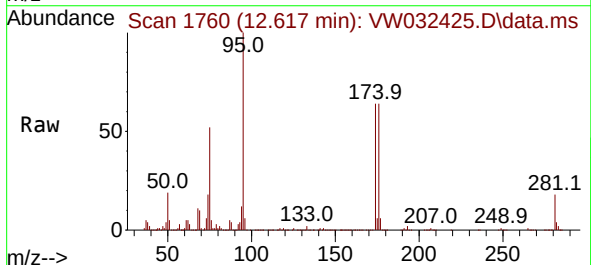
Instrument :
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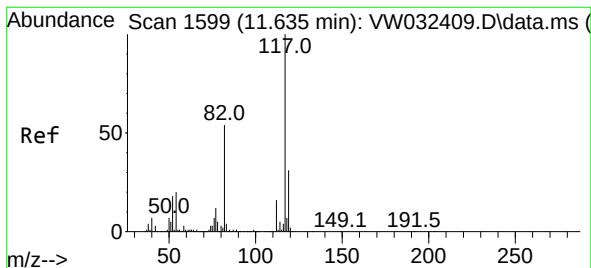
Tgt Ion: 98 Resp: 704185
Ion Ratio Lower Upper
98 100
100 66.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.417 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032425.D
Acq: 11 Nov 2025 13:11

Tgt Ion: 95 Resp: 273125
Ion Ratio Lower Upper
95 100
174 66.9 0.0 135.4
176 63.1 0.0 131.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032425.D

Acq: 11 Nov 2025 13:11

Instrument :

MSVOA_W

ClientSampleId :

CHRT27080

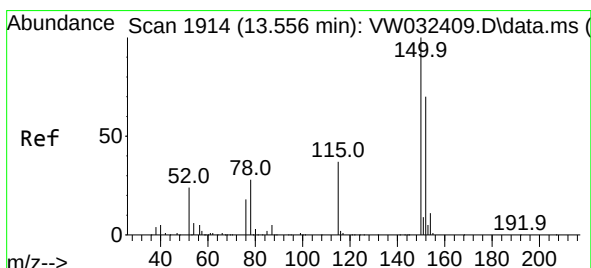
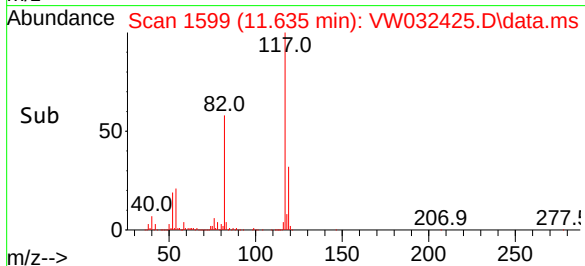
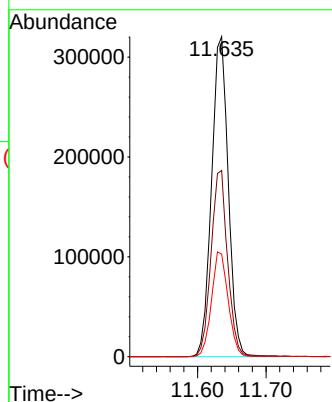
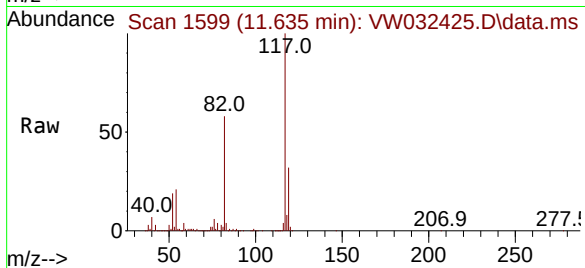
Tgt Ion:117 Resp: 544157

Ion Ratio Lower Upper

117 100

82 58.2 43.0 64.4

119 32.0 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: VW032425.D

Acq: 11 Nov 2025 13:11

Tgt Ion:152 Resp: 224230

Ion Ratio Lower Upper

152 100

115 63.0 32.8 98.3

150 158.2 0.0 356.6

