

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW112625\
 Data File : VW032553.D
 Acq On : 26 Nov 2025 18:39
 Operator : SY/MD
 Sample : Q3723-01
 Misc : 7.56g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CC-1-112525

Quant Time: Nov 27 00:31:48 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	185538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	457889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	487203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190180	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	165307	69.107	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	138.220%
35) Dibromofluoromethane	7.904	113	148707	54.243	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	108.480%
50) Toluene-d8	10.325	98	469299	44.622	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.240%
62) 4-Bromofluorobenzene	12.617	95	190695	47.998	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.000%

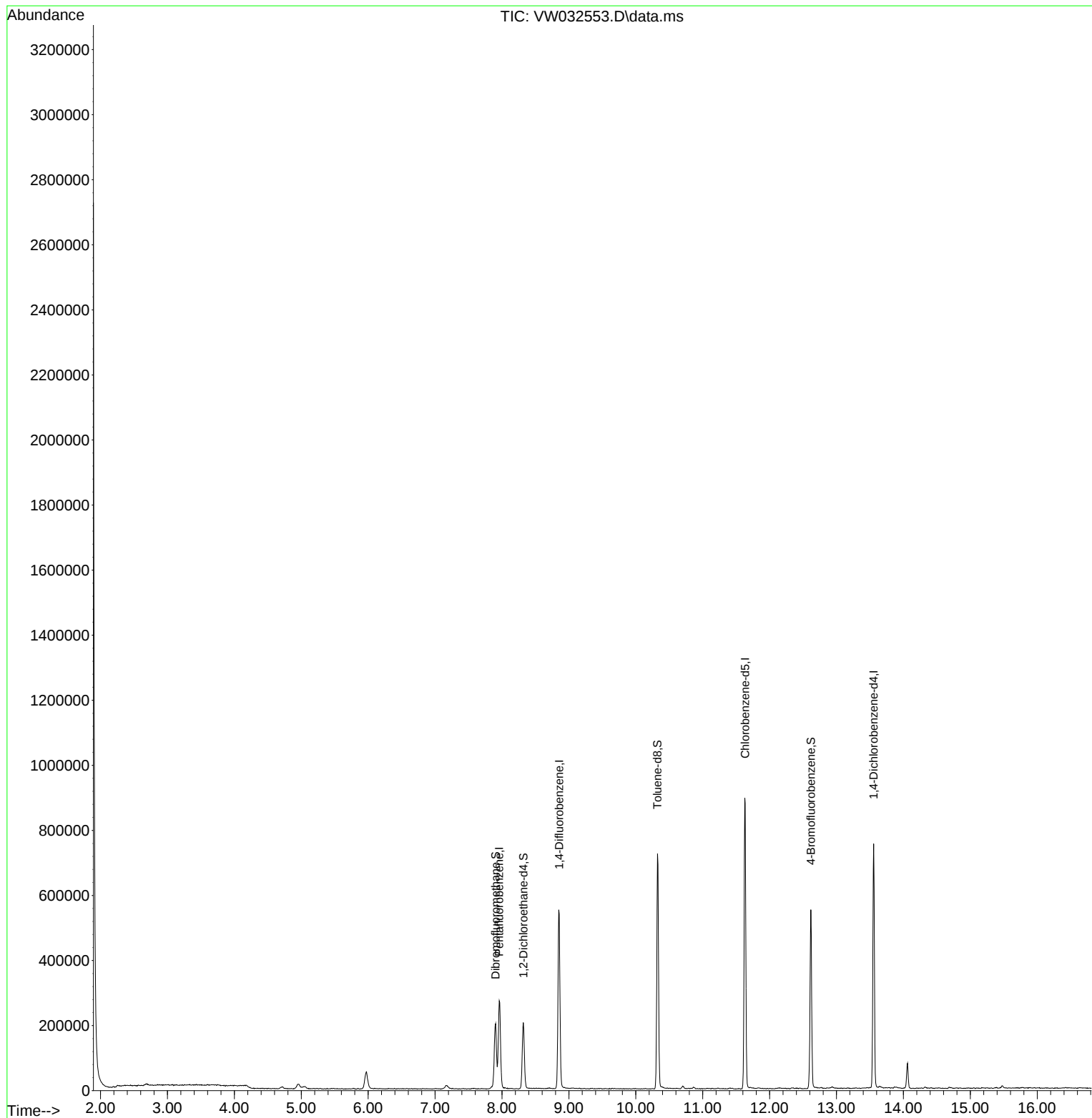
Target Compounds	Qvalue

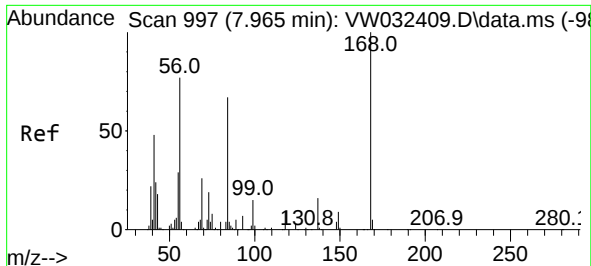
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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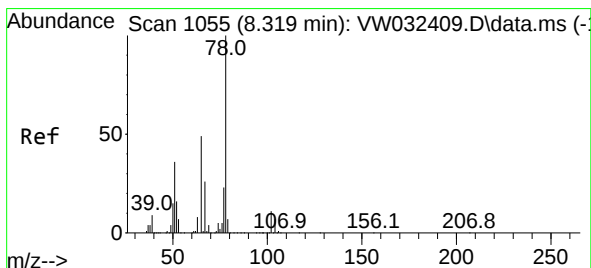
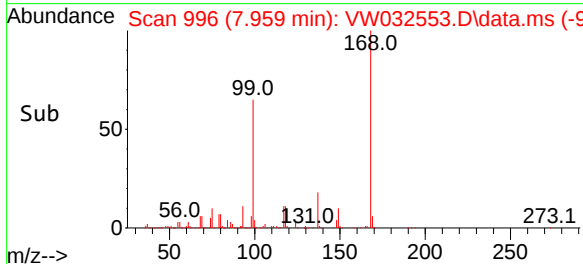
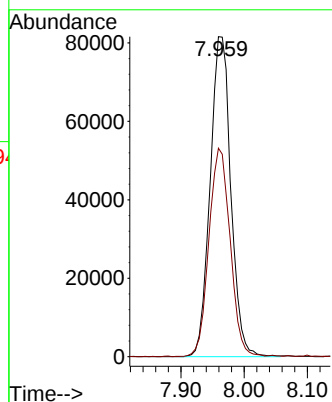
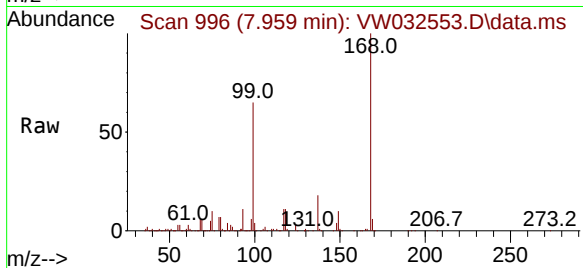




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

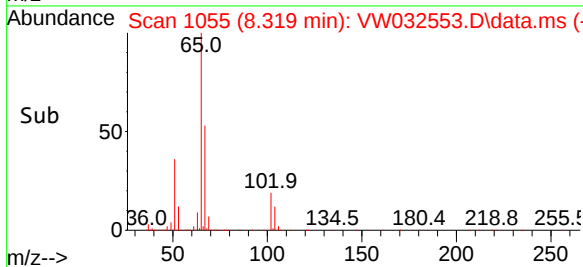
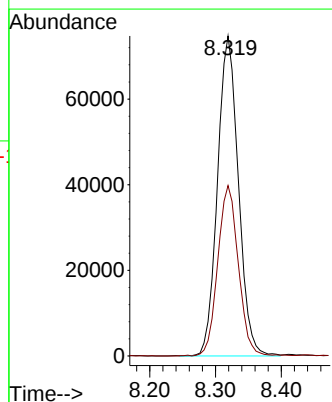
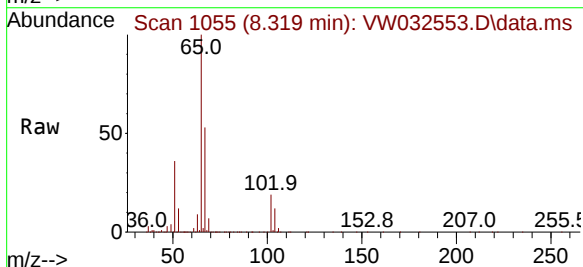
Instrument :
MSVOA_W
ClientSampleId :
CC-1-112525

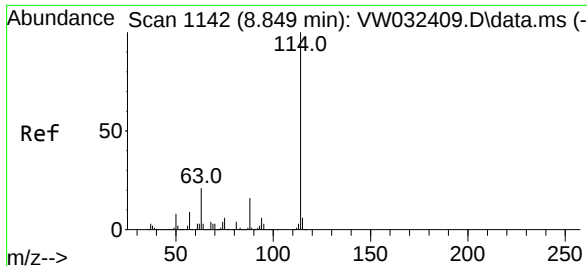
Tgt Ion:168 Resp: 185538
Ion Ratio Lower Upper
168 100
99 65.1 45.4 68.2



#33
1,2-Dichloroethane-d4
Concen: 69.107 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 65 Resp: 165307
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

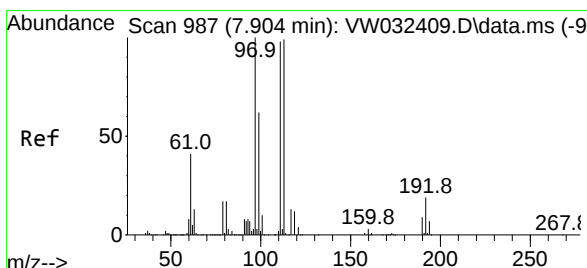
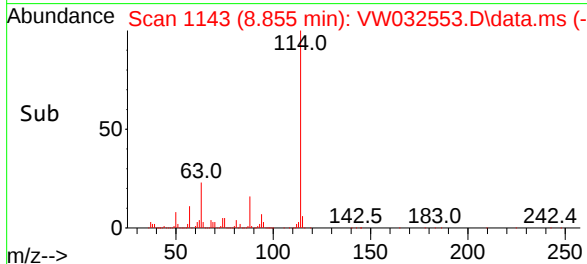
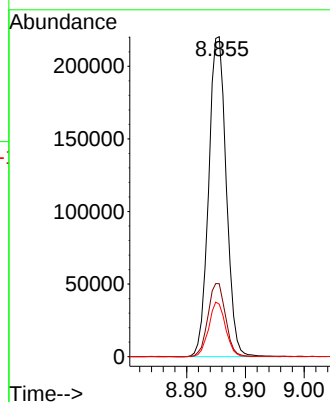
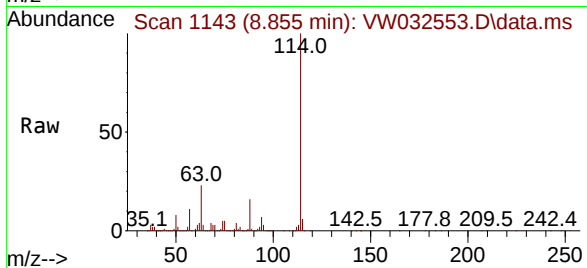




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

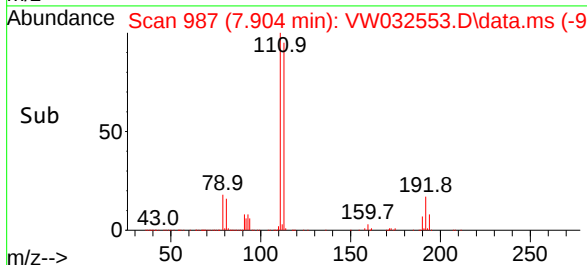
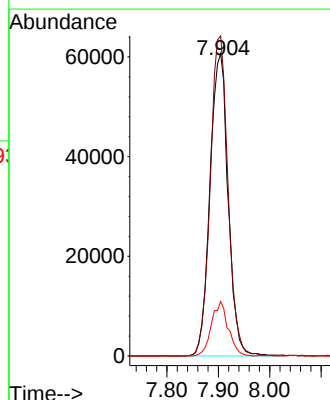
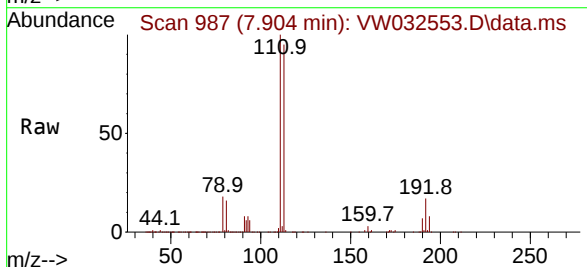
Instrument :
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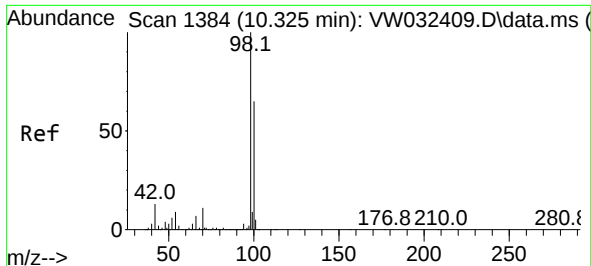
Tgt Ion:114 Resp: 457889
Ion Ratio Lower Upper
114 100
63 22.8 0.0 41.8
88 16.4 0.0 32.6



#35
Dibromofluoromethane
Concen: 54.243 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion:113 Resp: 148707
Ion Ratio Lower Upper
113 100
111 103.5 83.1 124.7
192 16.7 13.4 20.2

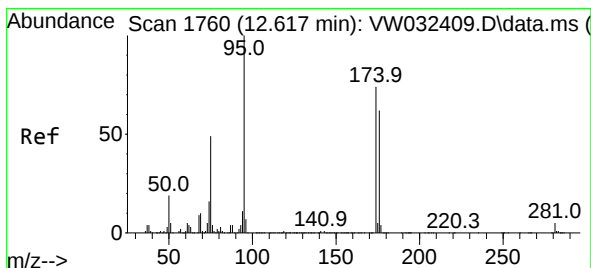
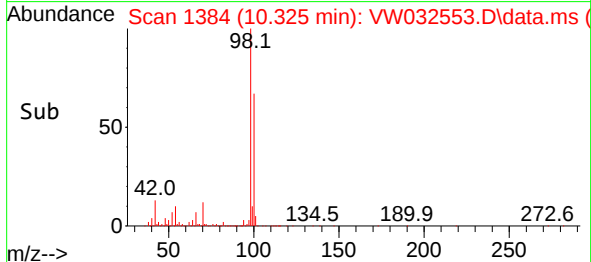
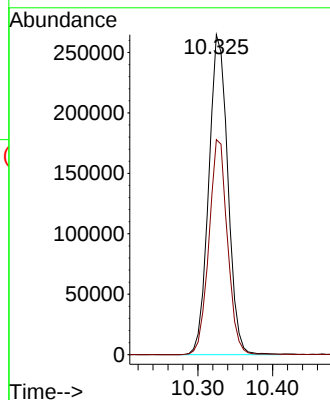
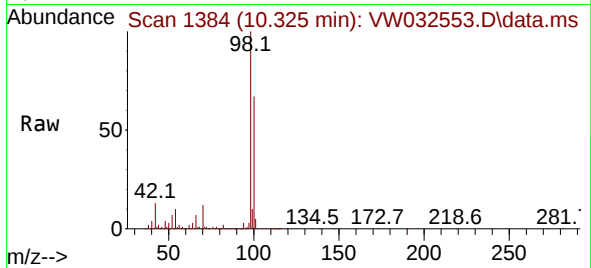




#50
Toluene-d8
Concen: 44.622 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

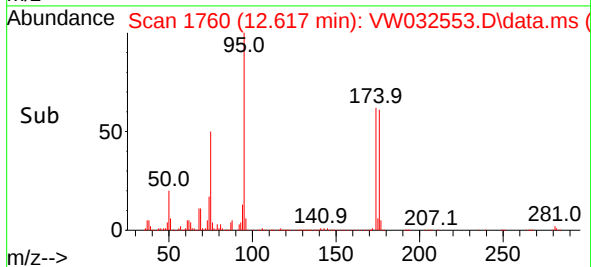
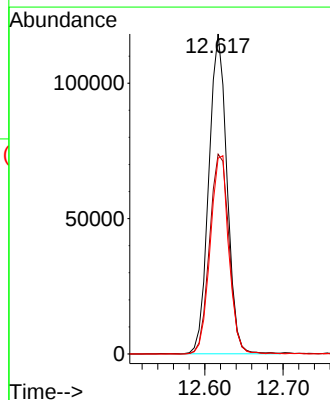
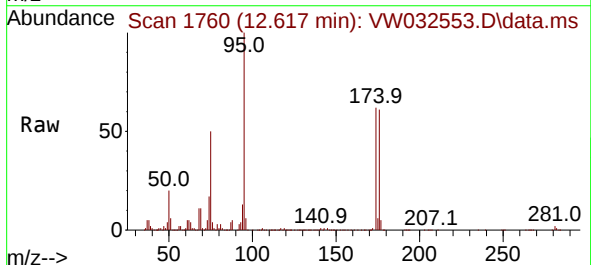
Instrument :
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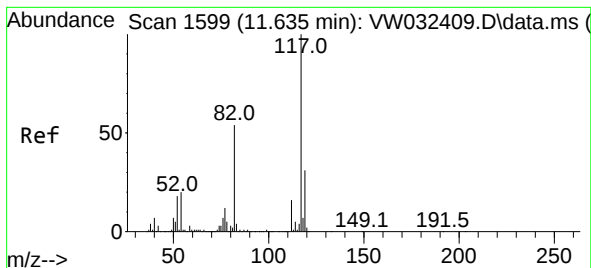
Tgt Ion: 98 Resp: 469299
Ion Ratio Lower Upper
98 100
100 65.4 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.998 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032553.D
Acq: 26 Nov 2025 18:39

Tgt Ion: 95 Resp: 190695
Ion Ratio Lower Upper
95 100
174 67.1 0.0 135.4
176 63.2 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: VW032553.D

Acq: 26 Nov 2025 18:39

Instrument :

MSVOA_W

ClientSampleId :

CC-1-112525

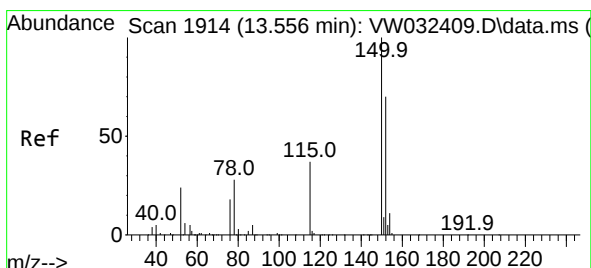
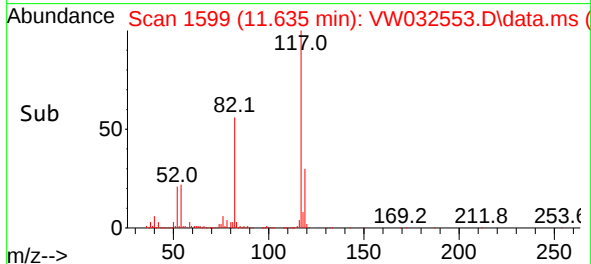
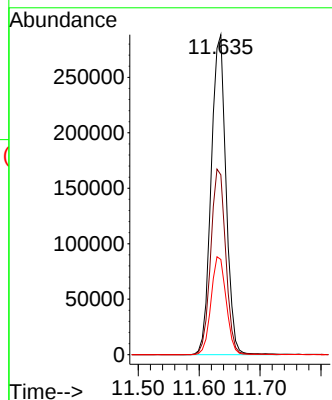
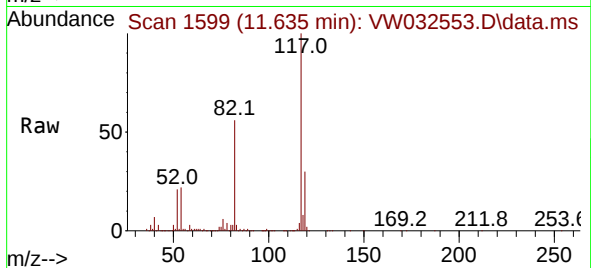
Tgt Ion:117 Resp: 487203

Ion Ratio Lower Upper

117 100

82 56.2 43.0 64.4

119 29.7 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: VW032553.D

Acq: 26 Nov 2025 18:39

Tgt Ion:152 Resp: 190180

Ion Ratio Lower Upper

152 100

115 63.0 32.8 98.3

150 152.9 0.0 356.6

