

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032047.D
 Acq On : 07 Aug 2025 15:53
 Operator : SY/MD
 Sample : Q2800-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-222

Quant Time: Aug 08 04:11:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	184894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	370199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	358773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177829	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	134759	48.180	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	96.360%
35) Dibromofluoromethane	7.898	113	122914	48.862	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.720%
50) Toluene-d8	10.331	98	444736	46.713	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	93.420%
62) 4-Bromofluorobenzene	12.617	95	174813	47.819	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.640%

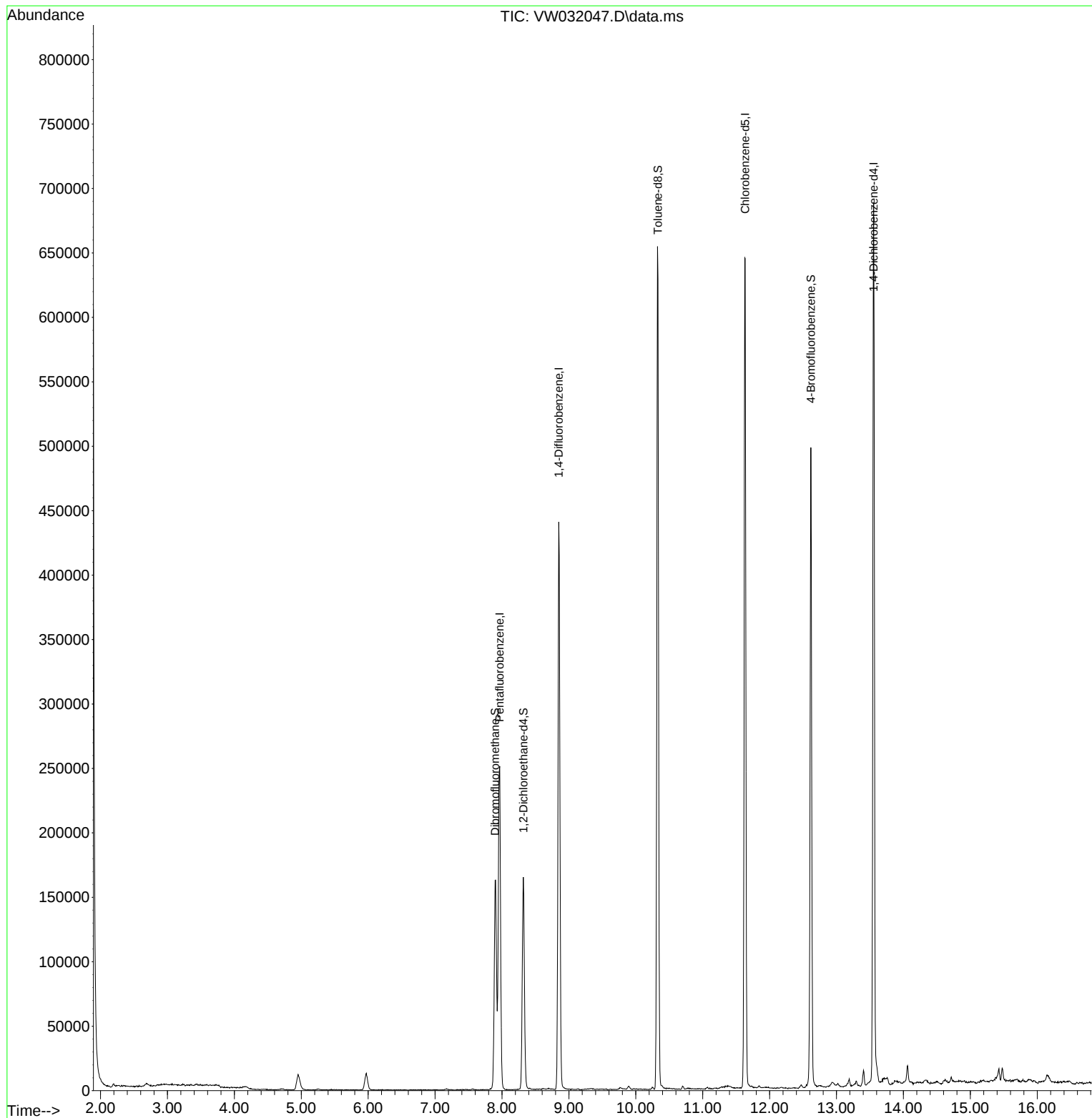
Target Compounds	Qvalue

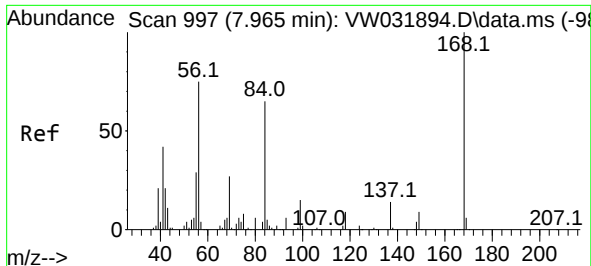
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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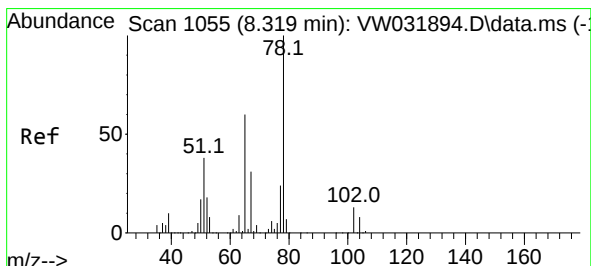
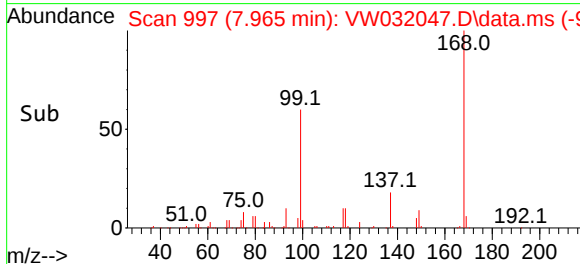
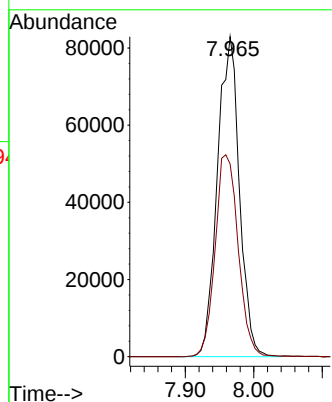
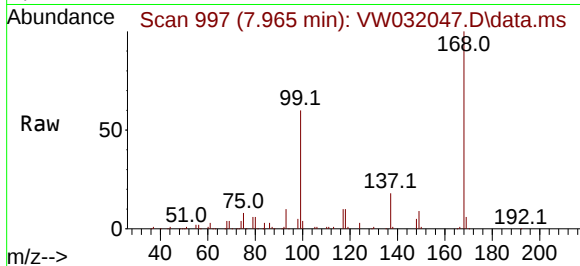




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032047.D
Acq: 07 Aug 2025 15:53

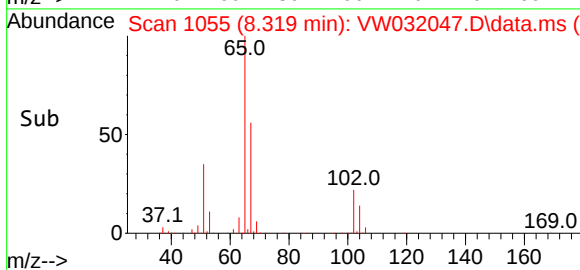
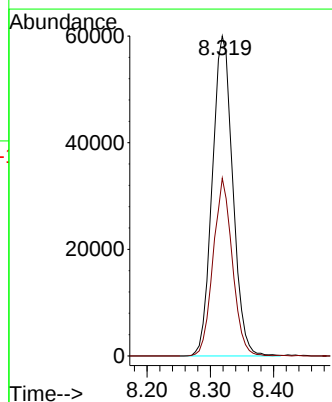
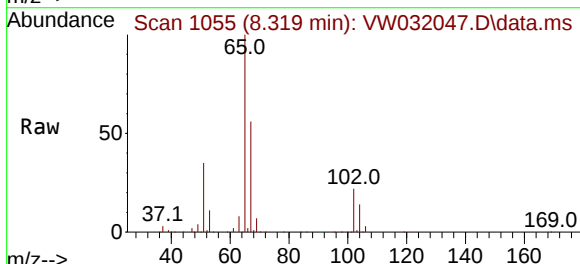
Instrument :
MSVOA_W
ClientSampleId :
VNJ-222

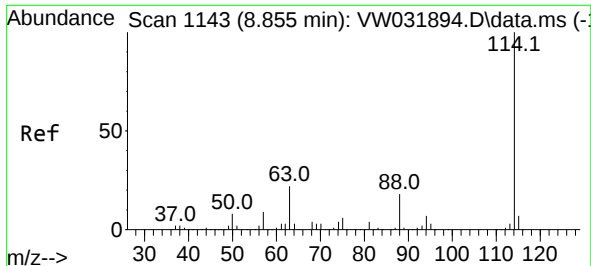
Tgt Ion:168 Resp: 184894
Ion Ratio Lower Upper
168 100
99 60.2 48.2 72.2



#33
1,2-Dichloroethane-d4
Concen: 48.180 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032047.D
Acq: 07 Aug 2025 15:53

Tgt Ion: 65 Resp: 134759
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032047.D

Acq: 07 Aug 2025 15:53

Instrument :

MSVOA_W

ClientSampleId :

VNJ-222

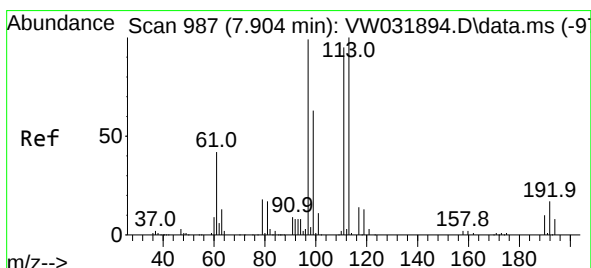
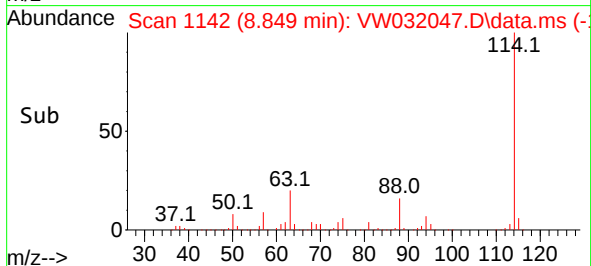
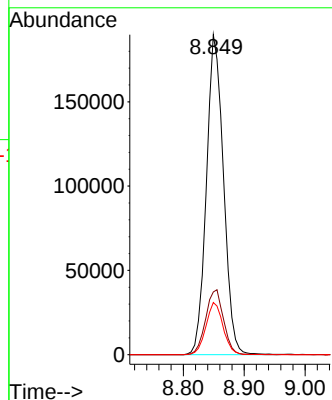
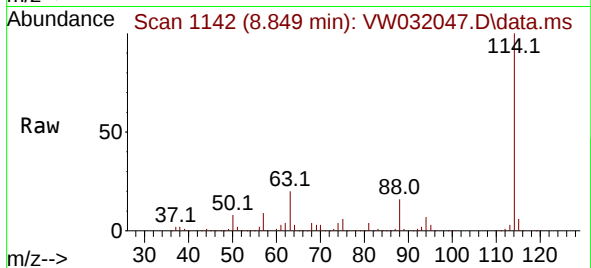
Tgt Ion:114 Resp: 370199

Ion Ratio Lower Upper

114 100

63 19.6 0.0 44.2

88 16.3 0.0 35.6



#35

Dibromofluoromethane

Concen: 48.862 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032047.D

Acq: 07 Aug 2025 15:53

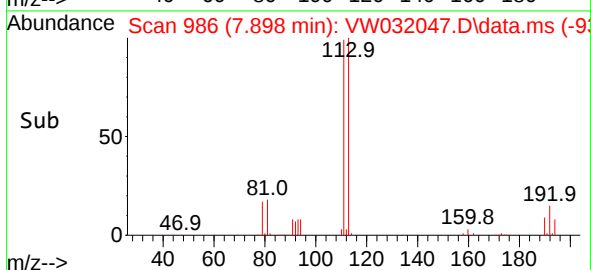
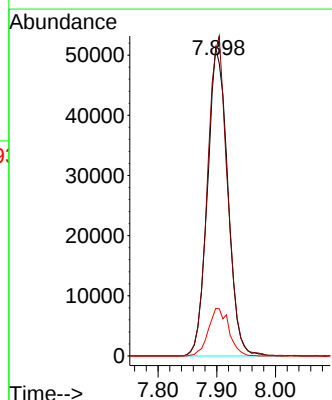
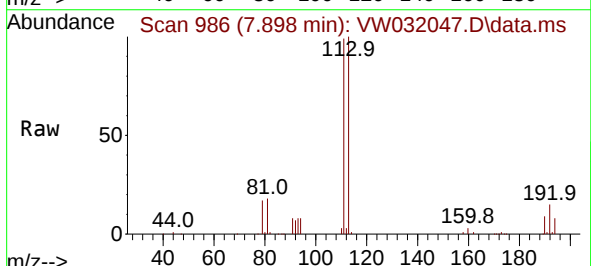
Tgt Ion:113 Resp: 122914

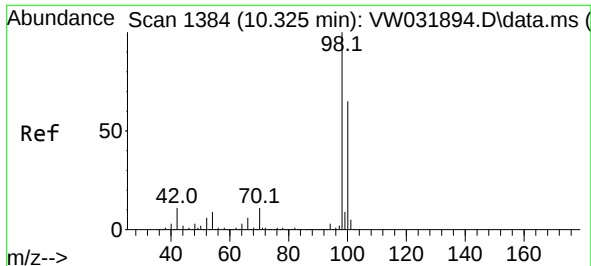
Ion Ratio Lower Upper

113 100

111 102.2 79.9 119.9

192 15.7 12.6 19.0

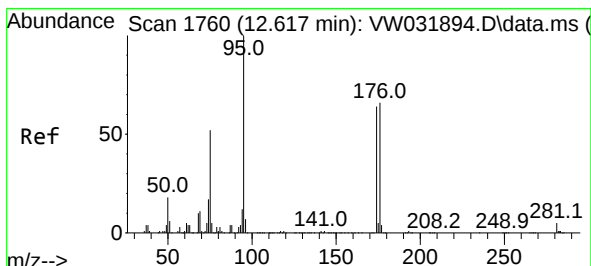
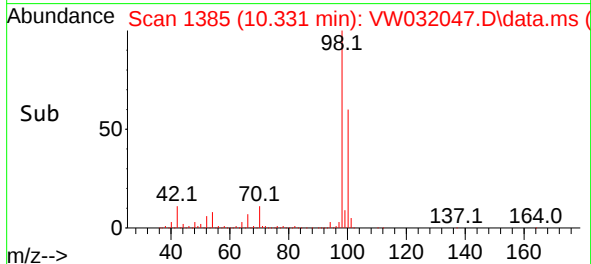
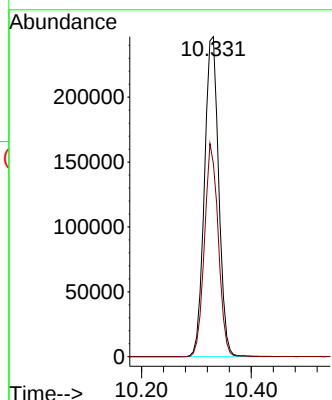
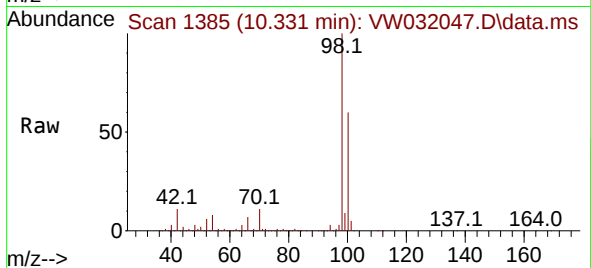




#50
Toluene-d8
Concen: 46.713 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032047.D
Acq: 07 Aug 2025 15:53

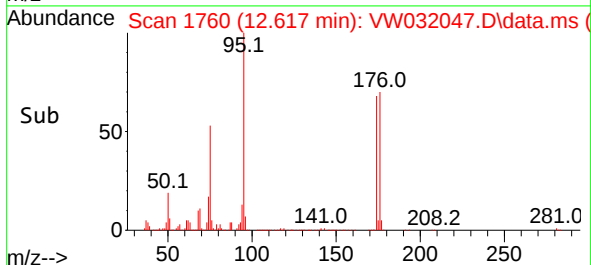
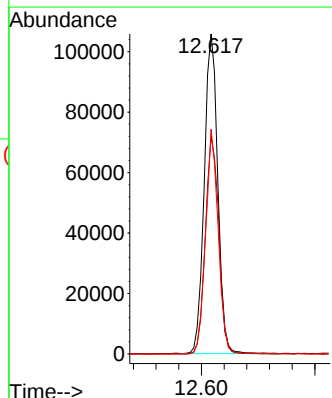
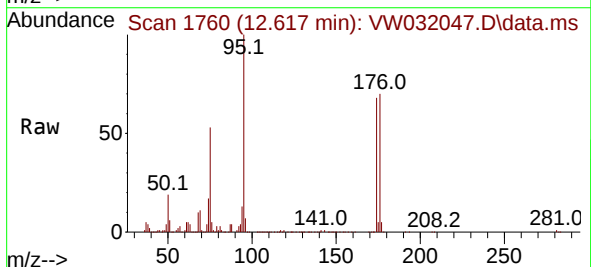
Instrument :
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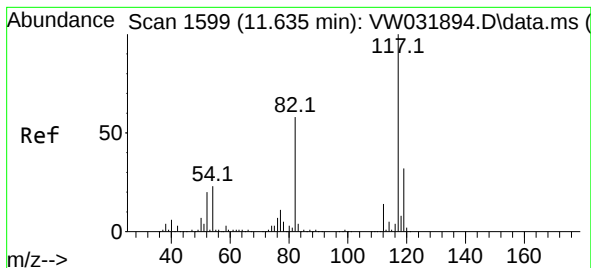
Tgt Ion: 98 Resp: 444736
Ion Ratio Lower Upper
98 100
100 64.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 47.819 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032047.D
Acq: 07 Aug 2025 15:53

Tgt Ion: 95 Resp: 174813
Ion Ratio Lower Upper
95 100
174 68.3 0.0 129.8
176 65.4 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032047.D

Acq: 07 Aug 2025 15:53

Instrument :

MSVOA_W

ClientSampleId :

VNJ-222

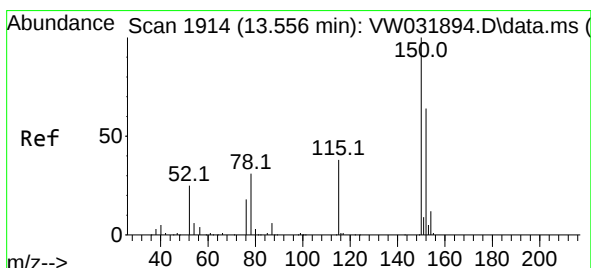
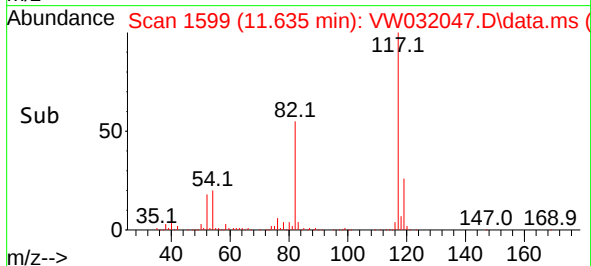
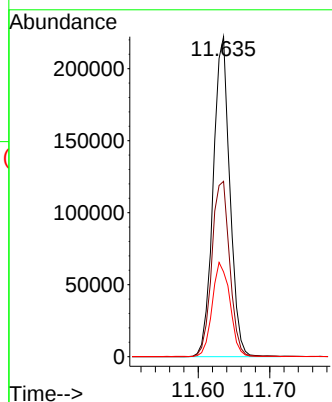
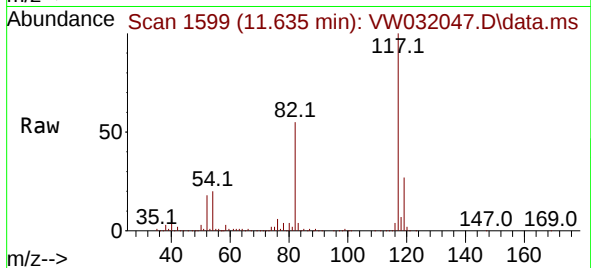
Tgt Ion:117 Resp: 358773

Ion Ratio Lower Upper

117 100

82 54.8 46.5 69.7

119 26.5 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032047.D

Acq: 07 Aug 2025 15:53

Tgt Ion:152 Resp: 177829

Ion Ratio Lower Upper

152 100

115 65.5 33.4 100.1

150 154.8 0.0 352.2

