

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032200.D
 Acq On : 18 Sep 2025 15:26
 Operator : SY/MD
 Sample : Q3133-07
 Misc : 3.45g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-210

Quant Time: Sep 19 04:35:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	131697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	326005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.562	152	169360	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127639	67.769	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	135.540%
35) Dibromofluoromethane	7.904	113	114892	53.191	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	106.380%
50) Toluene-d8	10.331	98	380512	50.182	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.360%
62) 4-Bromofluorobenzene	12.617	95	148146	52.835	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	105.680%

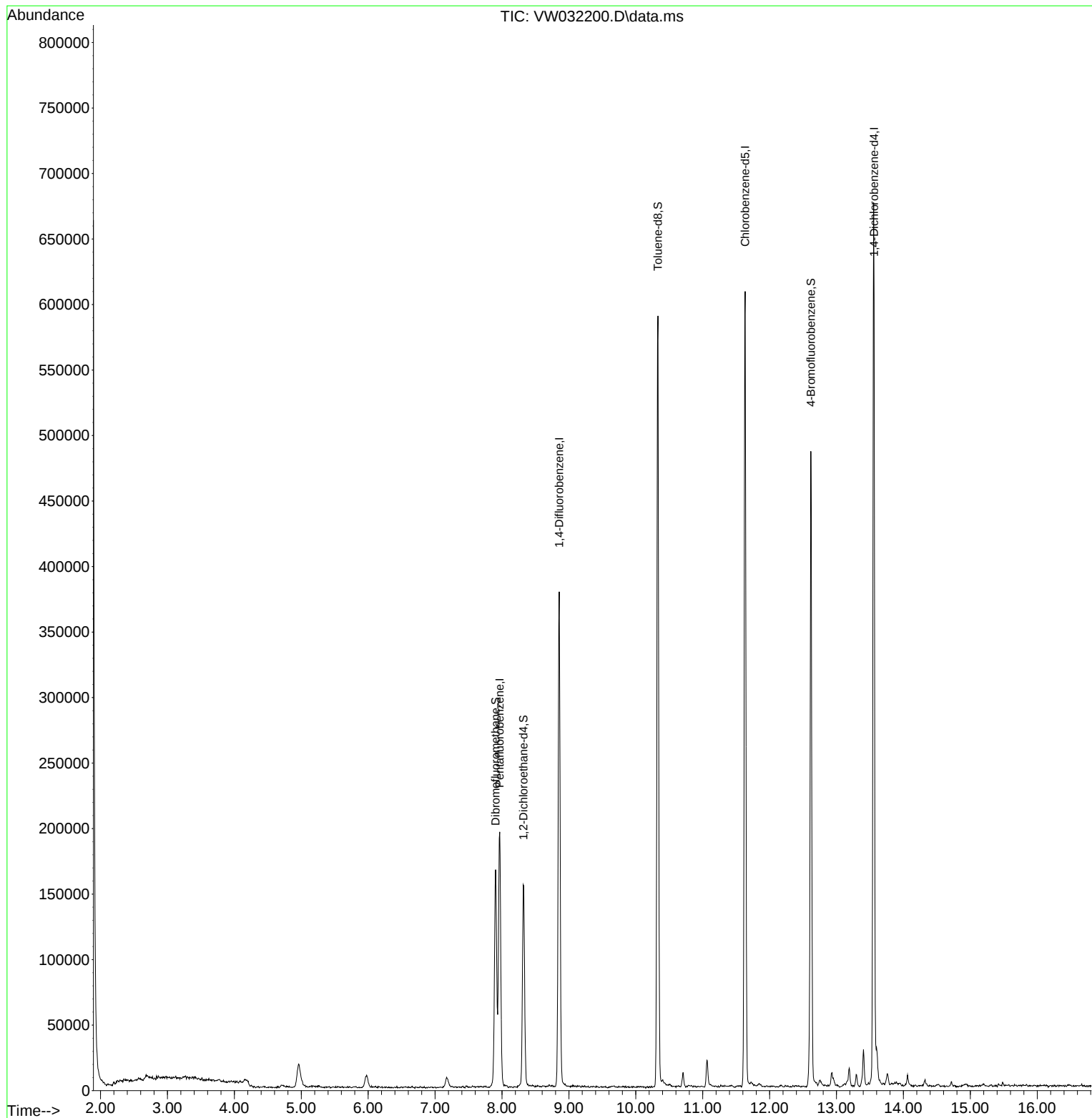
Target Compounds	Qvalue

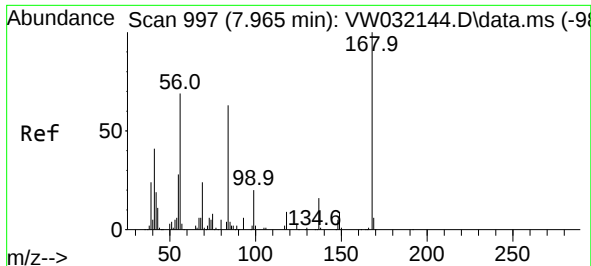
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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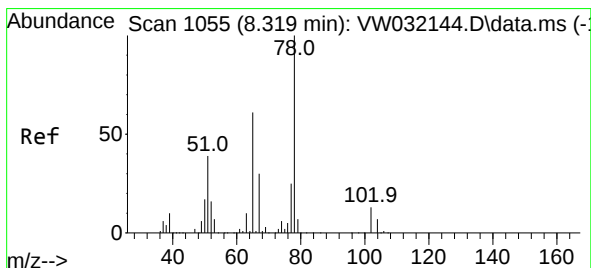
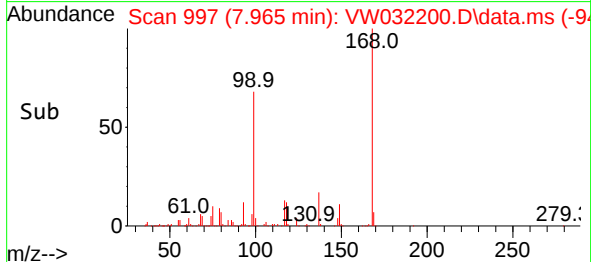
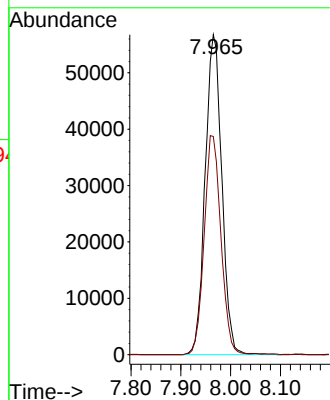
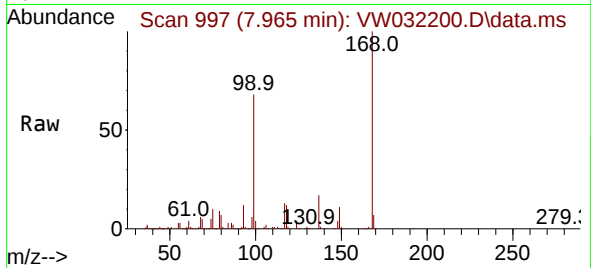




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032200.D
Acq: 18 Sep 2025 15:26

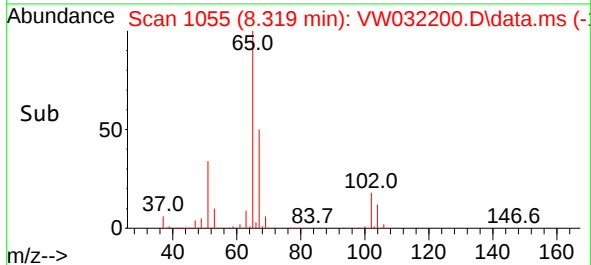
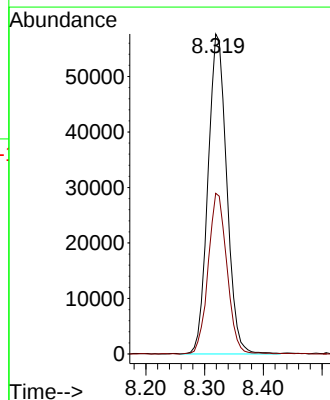
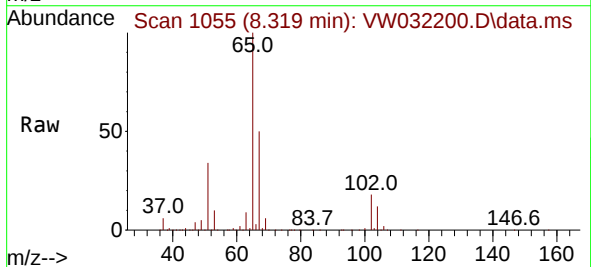
Instrument :
MSVOA_W
ClientSampleId :
VNJ-210

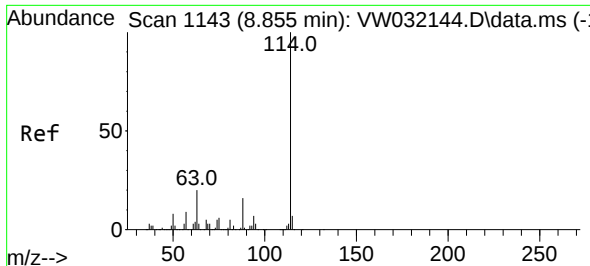
Tgt Ion:168 Resp: 131697
Ion Ratio Lower Upper
168 100
99 68.2 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 67.769 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032200.D
Acq: 18 Sep 2025 15:26

Tgt Ion: 65 Resp: 127639
Ion Ratio Lower Upper
65 100
67 50.3 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW032200.D

Acq: 18 Sep 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

VNJ-210

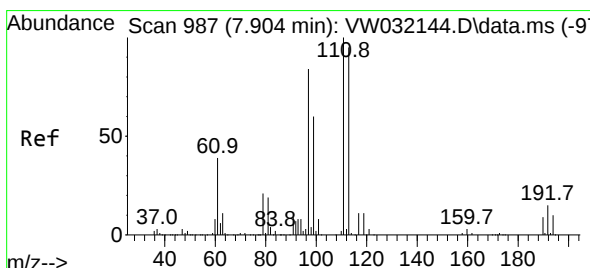
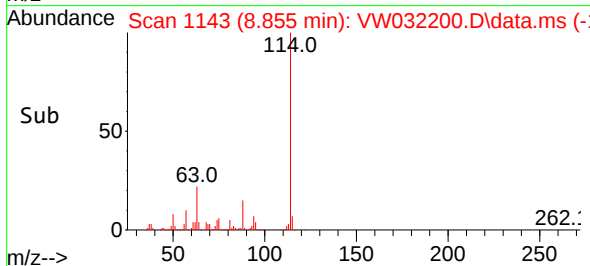
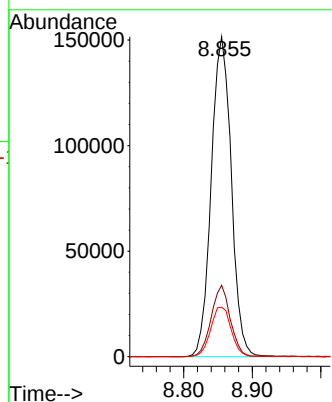
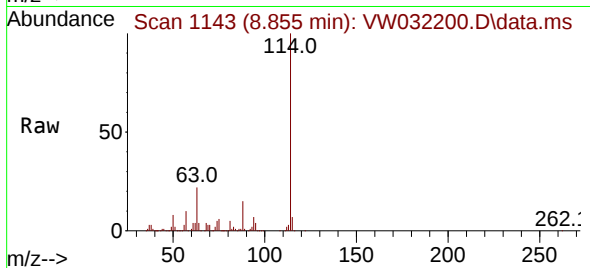
Tgt Ion:114 Resp: 307869

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.4

88 15.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 53.191 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032200.D

Acq: 18 Sep 2025 15:26

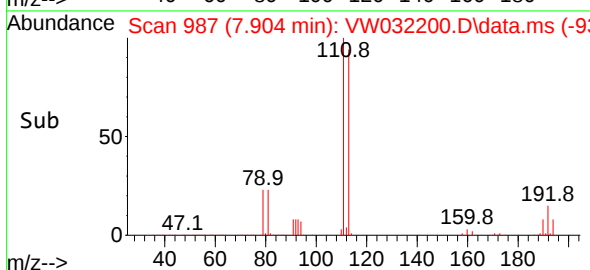
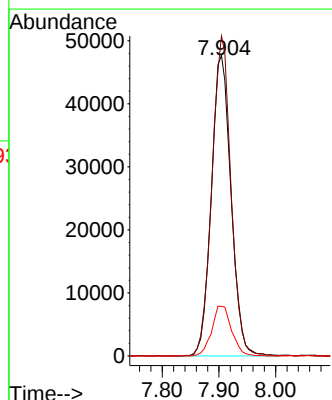
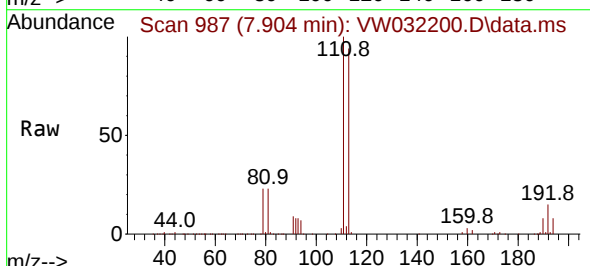
Tgt Ion:113 Resp: 114892

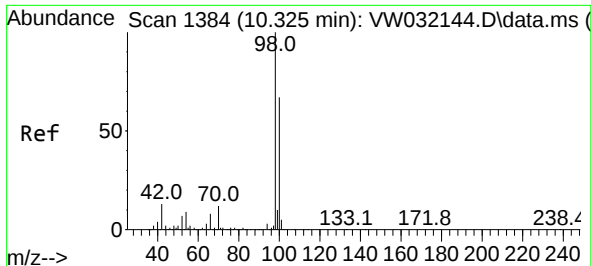
Ion Ratio Lower Upper

113 100

111 103.2 83.9 125.9

192 16.8 14.6 21.8

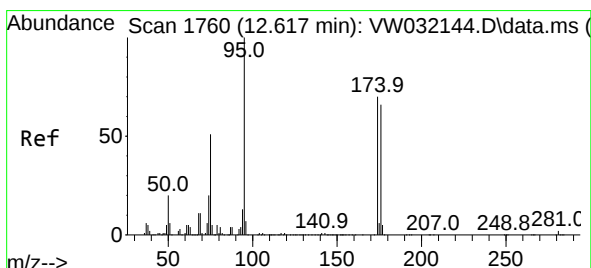
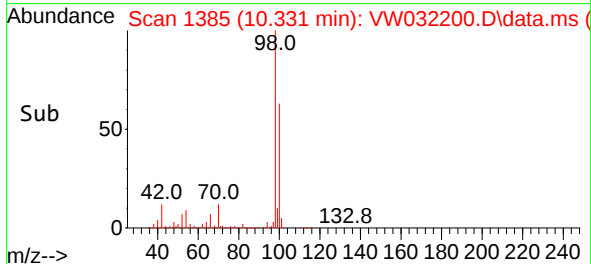
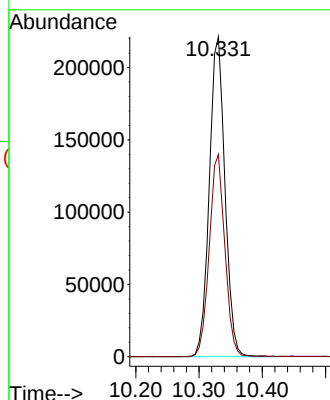
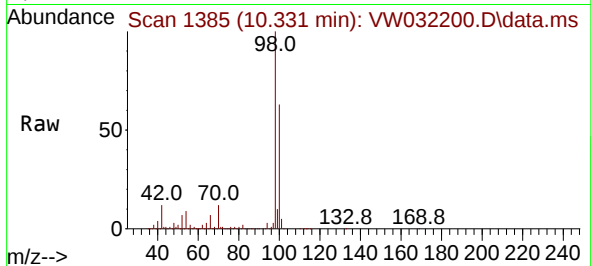




#50
Toluene-d8
Concen: 50.182 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032200.D
Acq: 18 Sep 2025 15:26

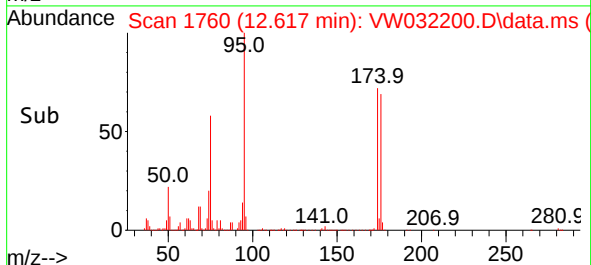
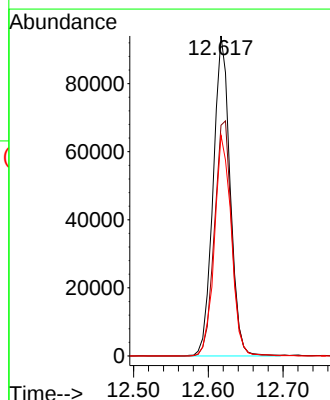
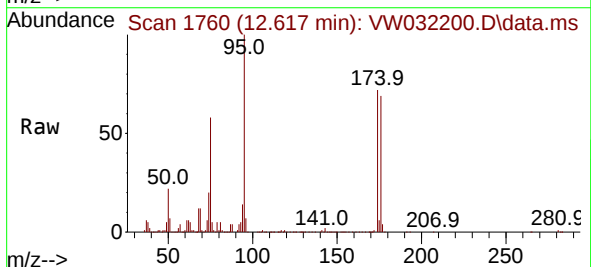
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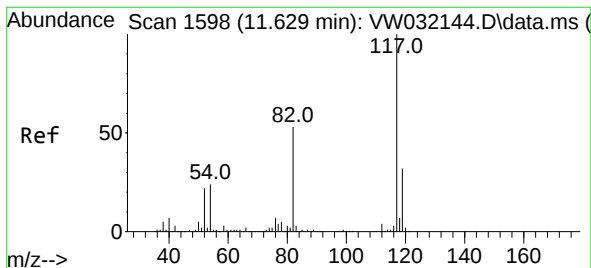
Tgt Ion: 98 Resp: 380512
Ion Ratio Lower Upper
98 100
100 63.1 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 52.835 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032200.D
Acq: 18 Sep 2025 15:26

Tgt Ion: 95 Resp: 148146
Ion Ratio Lower Upper
95 100
174 75.1 0.0 145.6
176 68.6 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032200.D

Acq: 18 Sep 2025 15:26

Instrument :

MSVOA_W

ClientSampleId :

VNJ-210

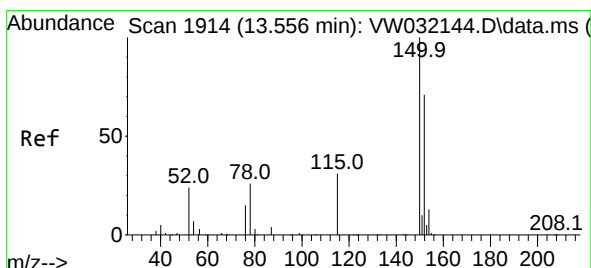
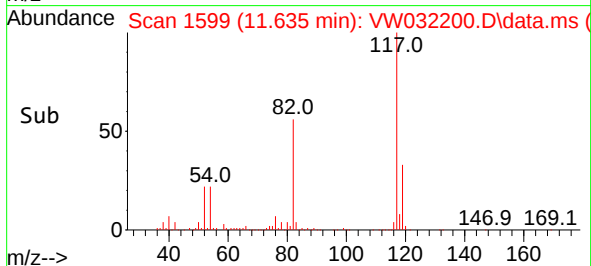
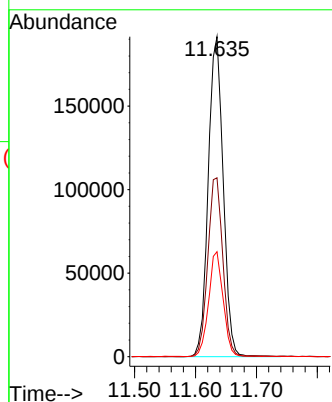
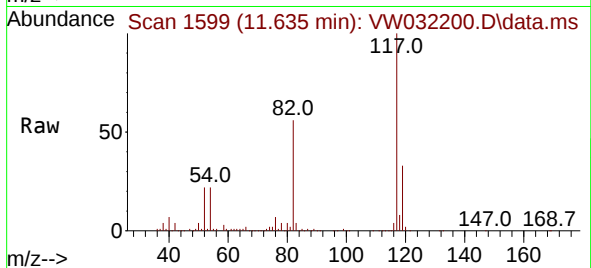
Tgt Ion:117 Resp: 326005

Ion Ratio Lower Upper

117 100

82 55.9 42.7 64.1

119 32.7 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.562 min Scan# 1915

Delta R.T. 0.006 min

Lab File: VW032200.D

Acq: 18 Sep 2025 15:26

Tgt Ion:152 Resp: 169360

Ion Ratio Lower Upper

152 100

115 62.2 31.8 95.4

150 158.3 0.0 343.0

