

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092225\
 Data File : VW032230.D
 Acq On : 22 Sep 2025 13:18
 Operator : SY/MD
 Sample : Q3159-03
 Misc : 5.01g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-255

Quant Time: Sep 23 06:07:17 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	133032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	277668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	284270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	138183	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	112255	59.003	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	118.000%
35) Dibromofluoromethane	7.898	113	91640	47.041	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.080%
50) Toluene-d8	10.331	98	316302	46.251	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.500%
62) 4-Bromofluorobenzene	12.617	95	104532	41.336	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	82.680%

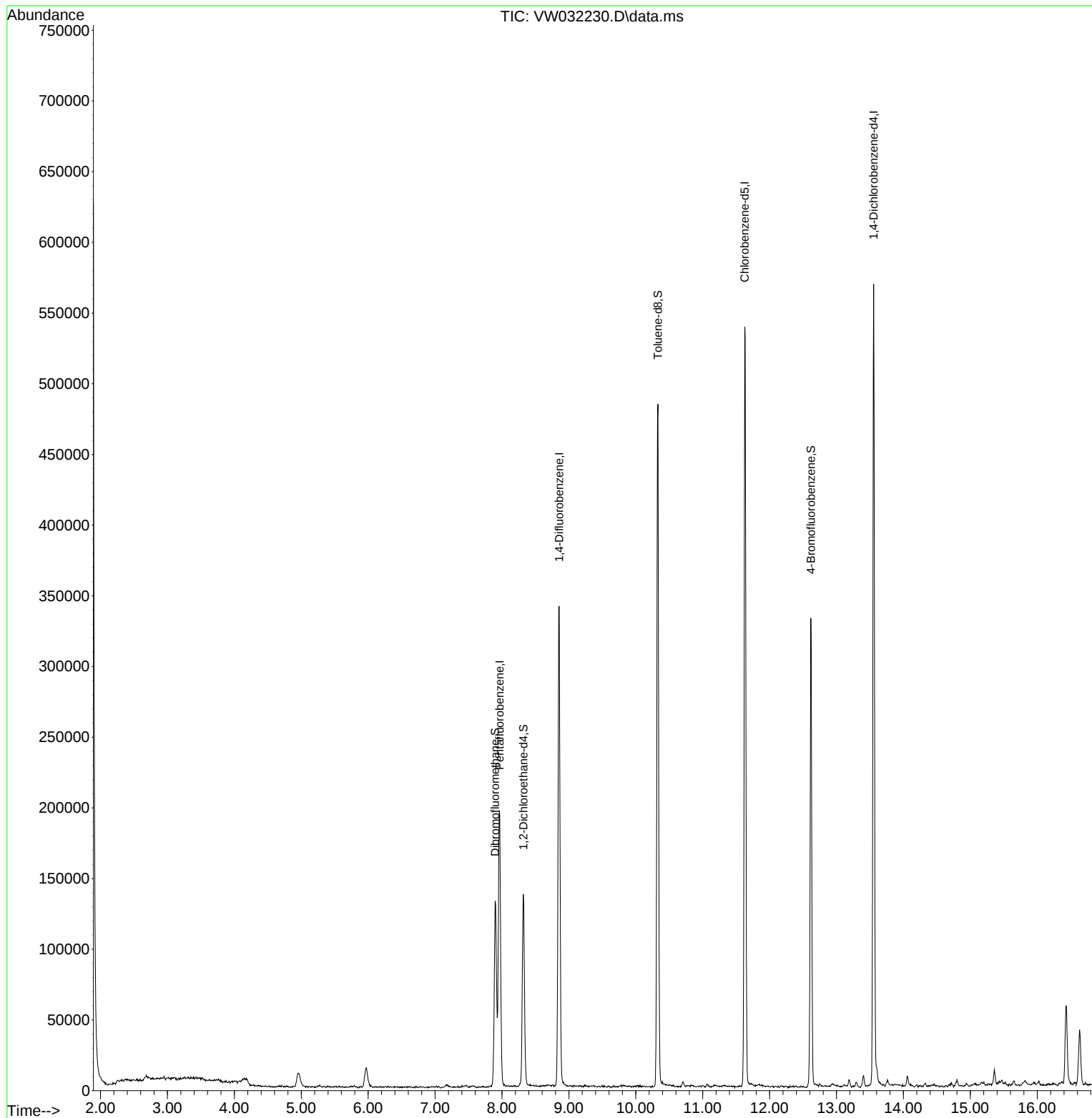
Target Compounds	Qvalue

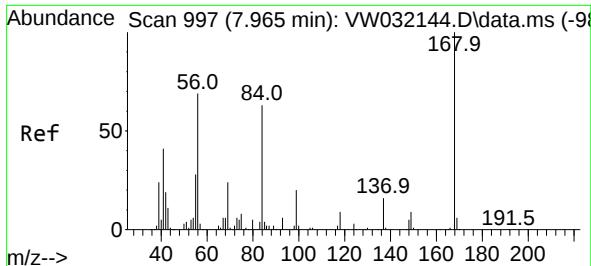
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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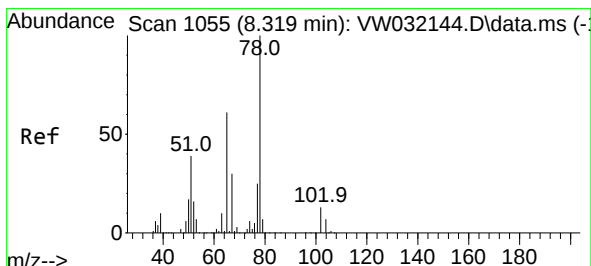
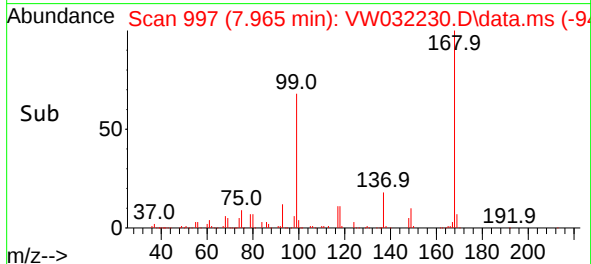
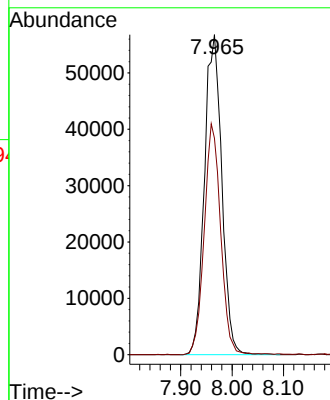
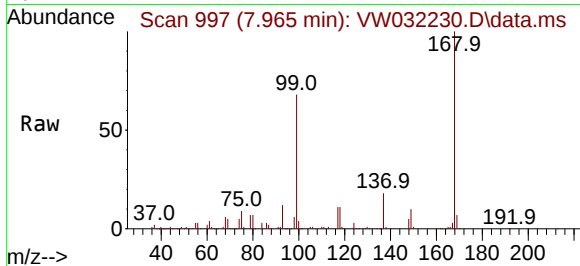




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

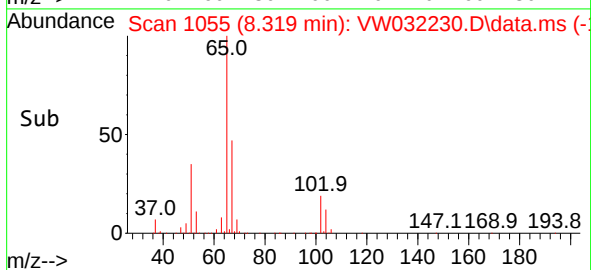
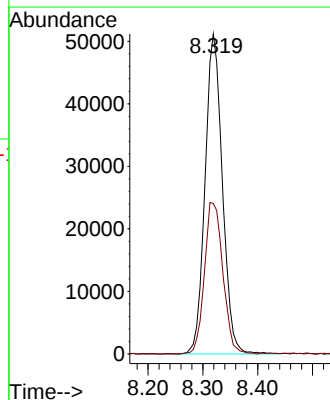
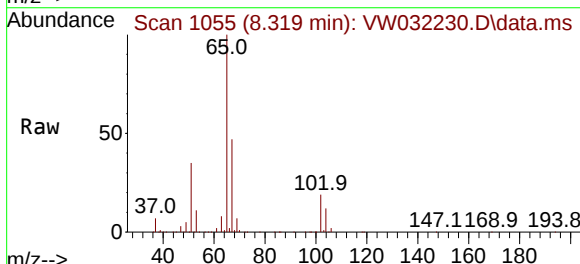
Instrument :
MSVOA_W
ClientSampleId :
VNJ-255

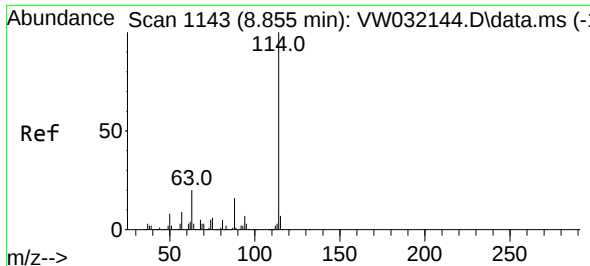
Tgt Ion:168 Resp: 133032
Ion Ratio Lower Upper
168 100
99 67.7 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 59.003 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

Tgt Ion: 65 Resp: 112255
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.6

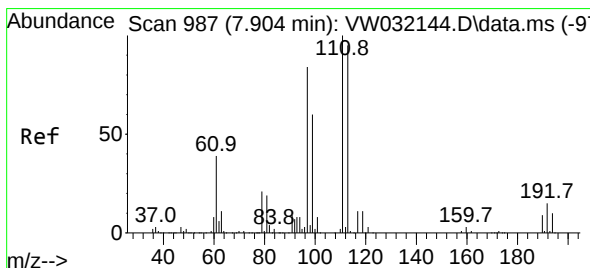
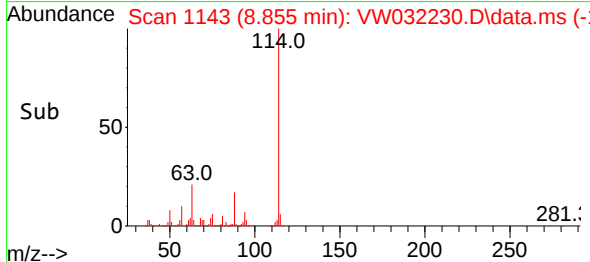
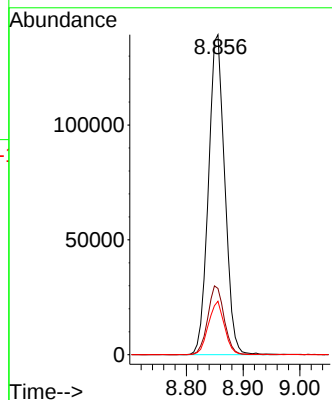
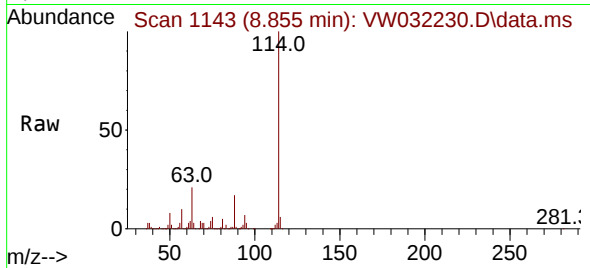




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

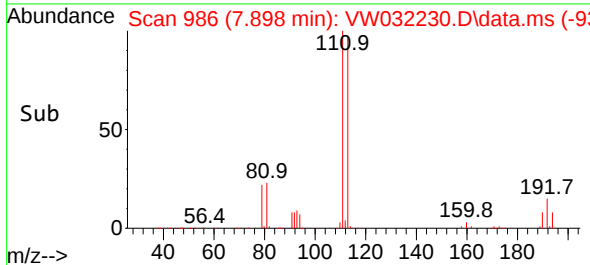
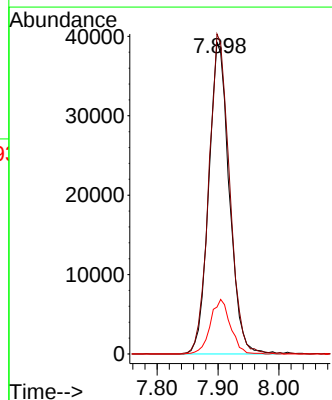
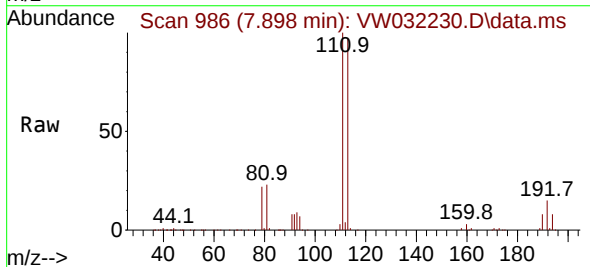
Instrument :
MSVOA_W
ClientSampleId :
VNJ-255

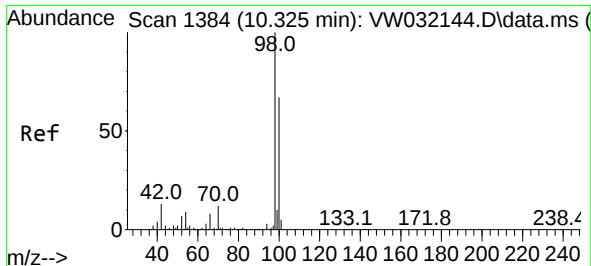
Tgt Ion:114 Resp: 277668
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 16.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.041 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

Tgt Ion:113 Resp: 91640
Ion Ratio Lower Upper
113 100
111 103.6 83.9 125.9
192 17.2 14.6 21.8

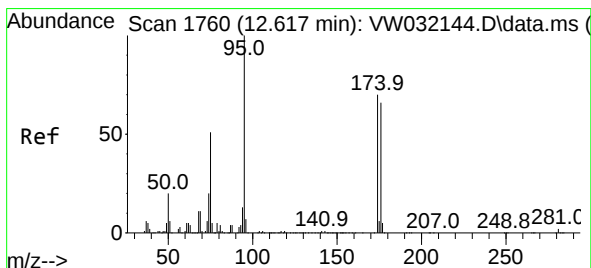
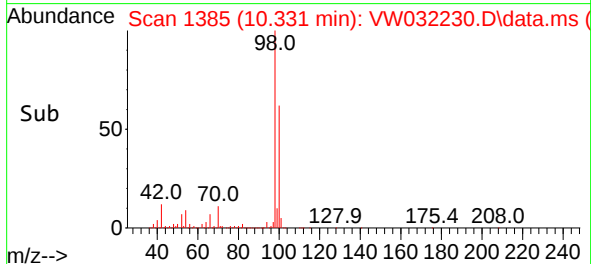
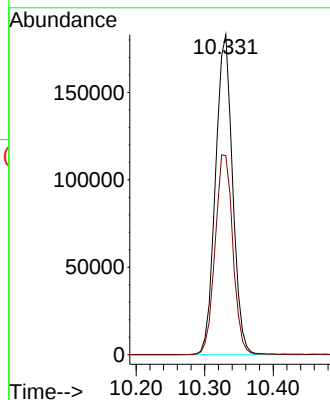
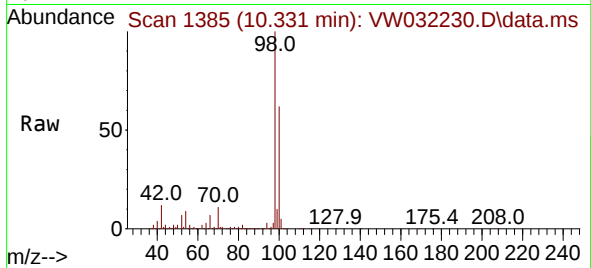




#50
Toluene-d8
Concen: 46.251 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

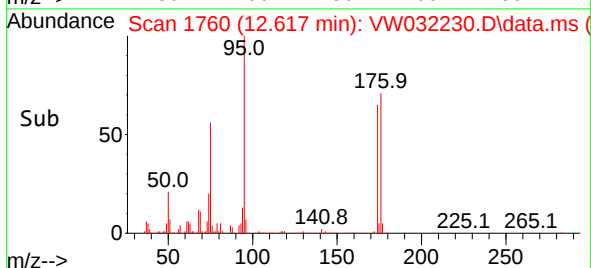
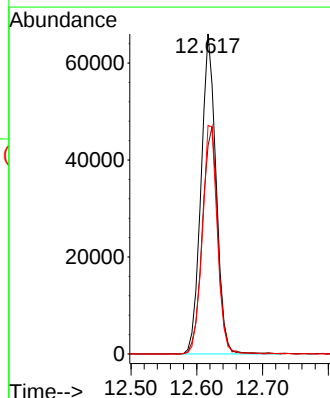
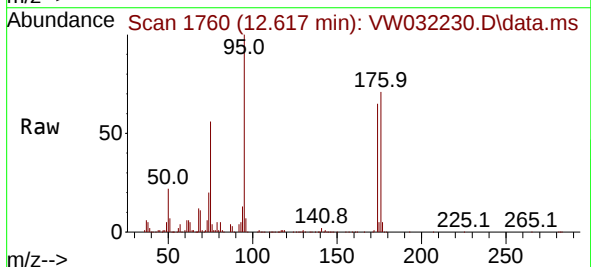
Instrument :
MSVOA_W
ClientSampleId :
VNJ-255

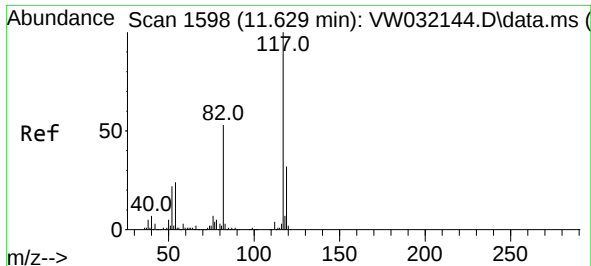
Tgt Ion: 98 Resp: 316302
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 41.336 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032230.D
Acq: 22 Sep 2025 13:18

Tgt Ion: 95 Resp: 104532
Ion Ratio Lower Upper
95 100
174 73.0 0.0 145.6
176 71.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032230.D

Acq: 22 Sep 2025 13:18

Instrument :

MSVOA_W

ClientSampleId :

VNJ-255

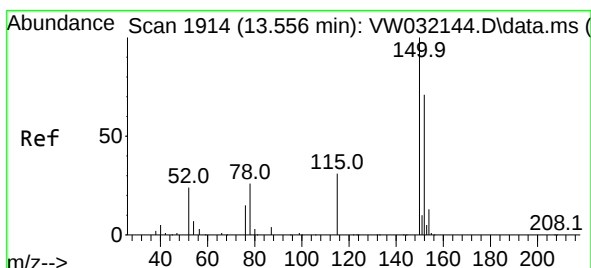
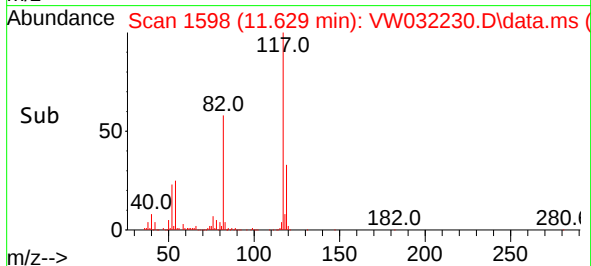
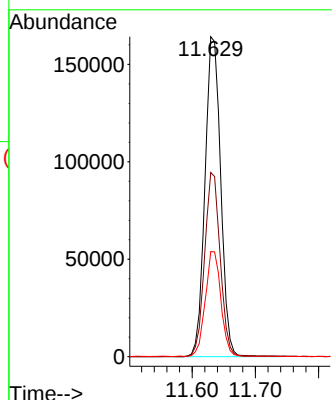
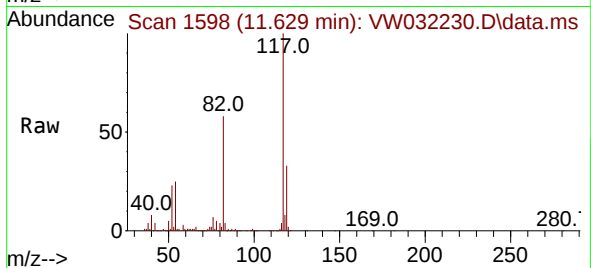
Tgt Ion:117 Resp: 284270

Ion Ratio Lower Upper

117 100

82 57.6 42.7 64.1

119 32.8 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032230.D

Acq: 22 Sep 2025 13:18

Tgt Ion:152 Resp: 138183

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

150 161.5 0.0 343.0

