

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032359.D
 Acq On : 06 Oct 2025 15:10
 Operator : SY/MD
 Sample : Q3289-01
 Misc : 4.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VNJ-240

Quant Time: Oct 07 03:47:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	179641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399638	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	414402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	212076	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	180027	68.708	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	137.420%
35) Dibromofluoromethane	7.898	113	153703	59.388	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	118.780%
50) Toluene-d8	10.325	98	531948	55.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	111.380%
62) 4-Bromofluorobenzene	12.617	95	202055	55.965	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	111.920%

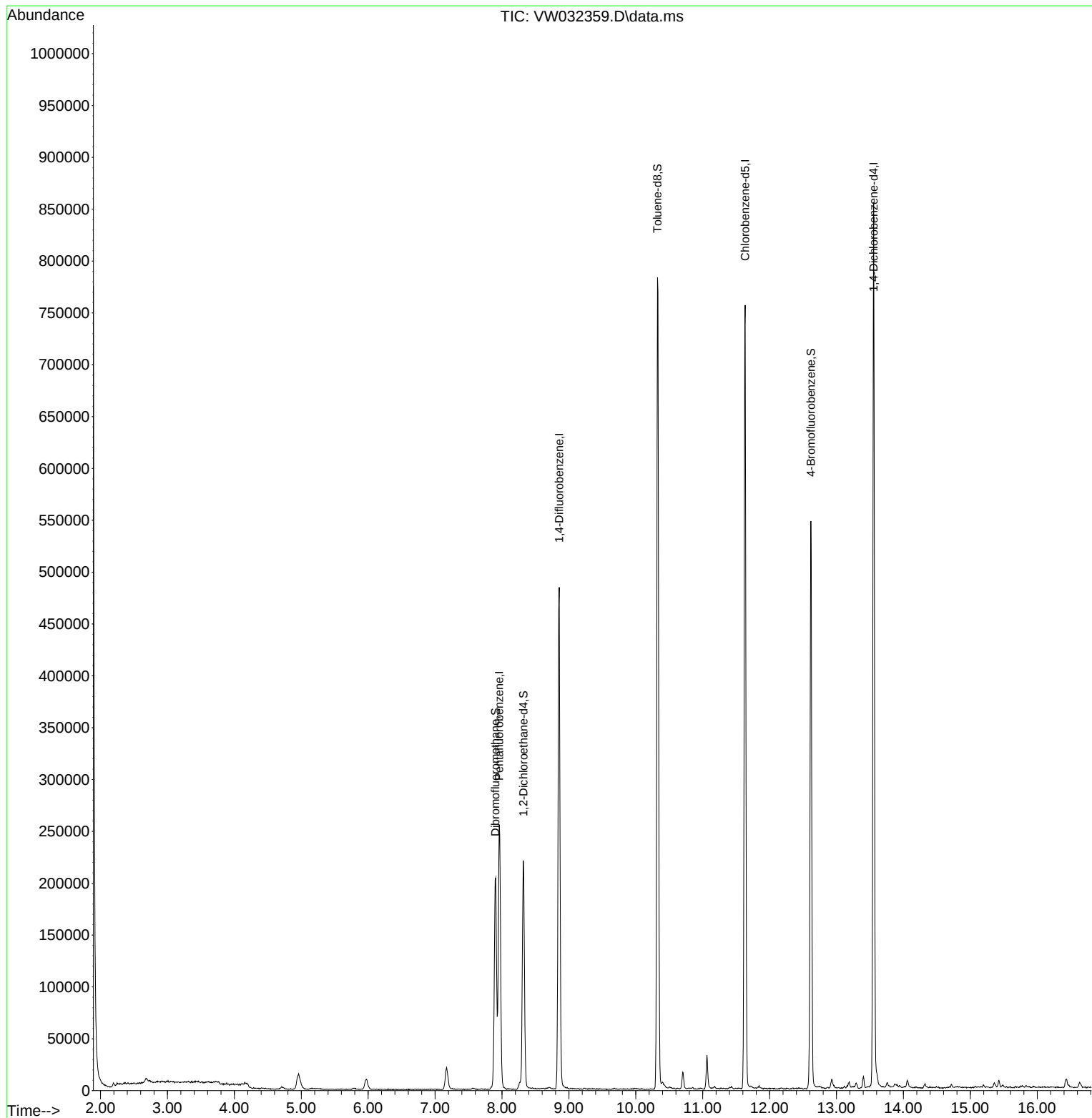
Target Compounds	Qvalue

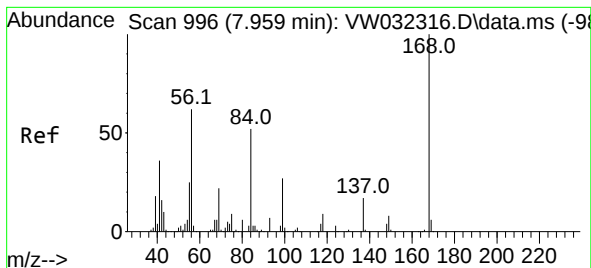
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW032359.D

Acq: 06 Oct 2025 15:10

Instrument :

MSVOA_W

ClientSampleId :

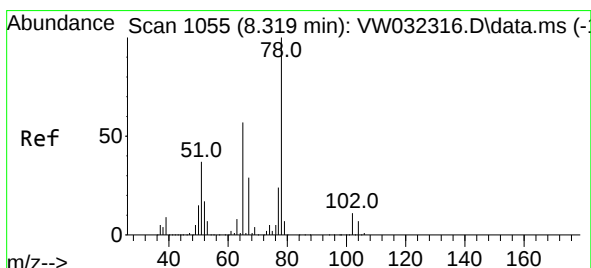
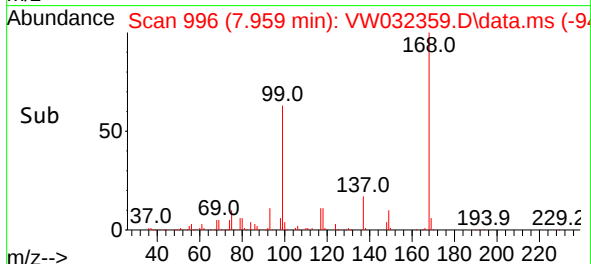
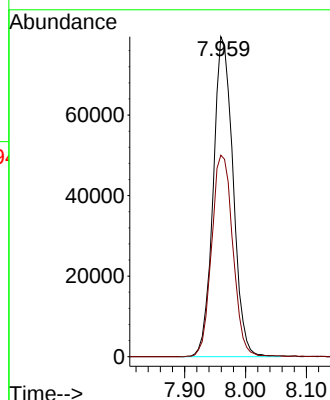
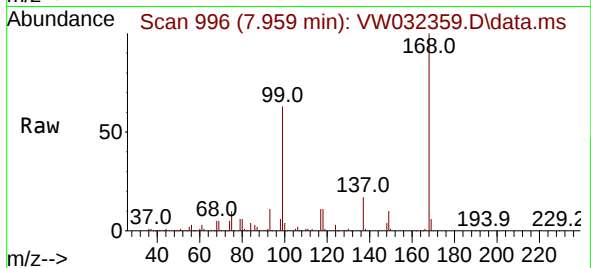
VNJ-240

Tgt Ion:168 Resp: 179641

Ion Ratio Lower Upper

168 100

99 63.0 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 68.708 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032359.D

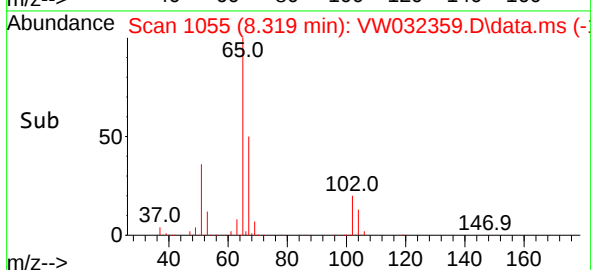
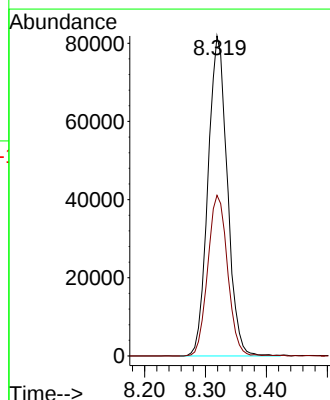
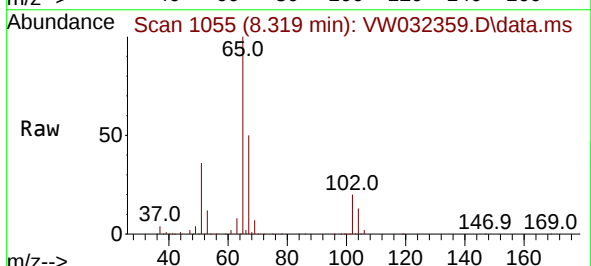
Acq: 06 Oct 2025 15:10

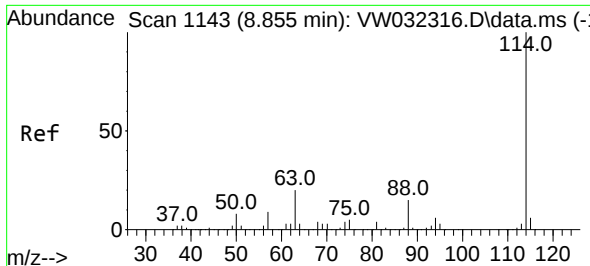
Tgt Ion: 65 Resp: 180027

Ion Ratio Lower Upper

65 100

67 51.7 0.0 99.6

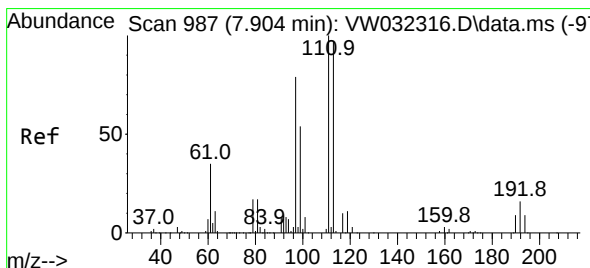
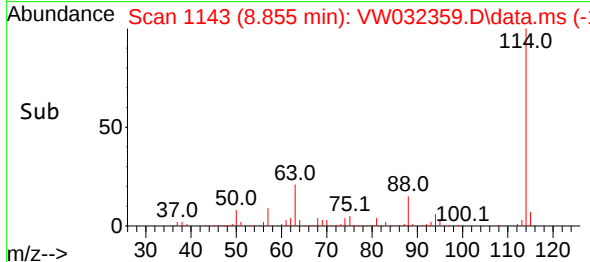
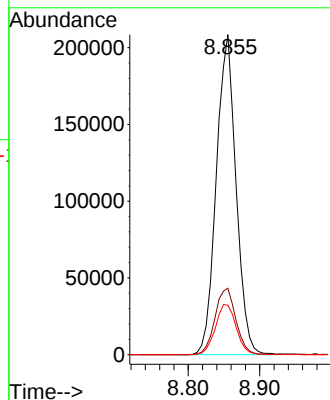
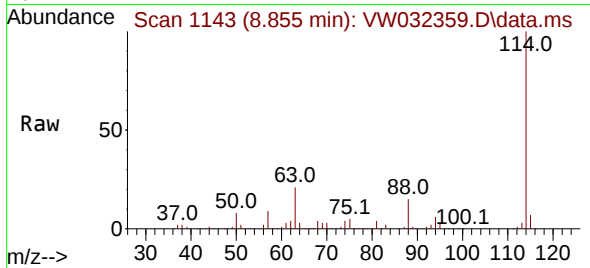




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032359.D
 Acq: 06 Oct 2025 15:10

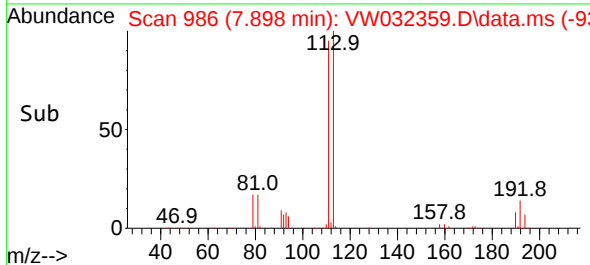
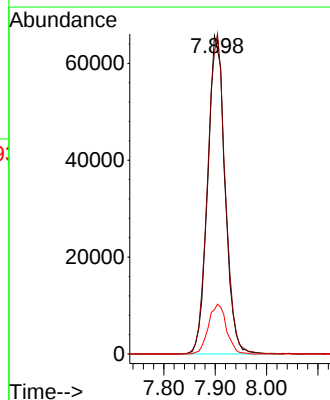
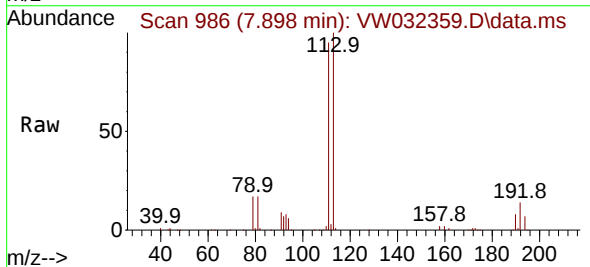
Instrument :
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 VNJ-240

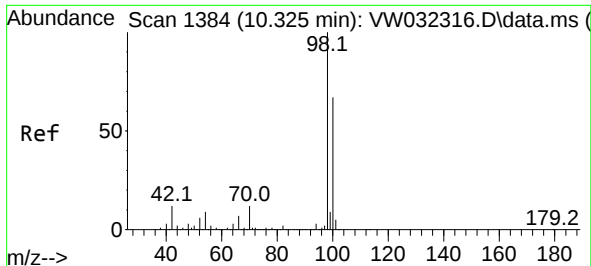
Tgt Ion:114 Resp: 399638
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.4
 88 15.4 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 59.388 ug/l
 RT: 7.898 min Scan# 986
 Delta R.T. -0.006 min
 Lab File: VW032359.D
 Acq: 06 Oct 2025 15:10

Tgt Ion:113 Resp: 153703
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.9 125.9
 192 16.2 14.6 21.8

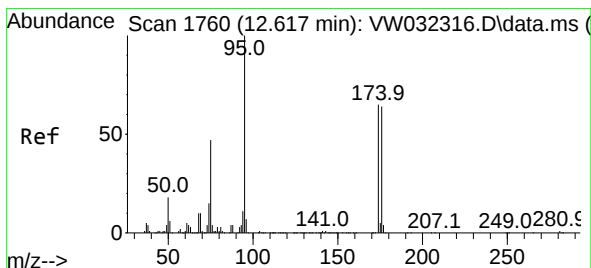
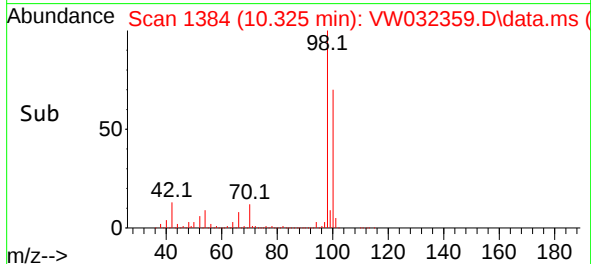
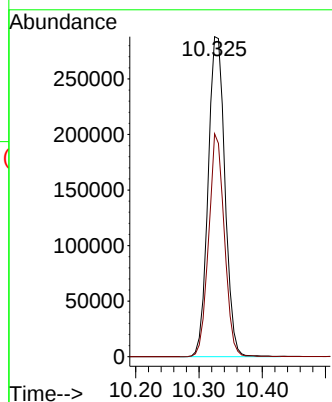
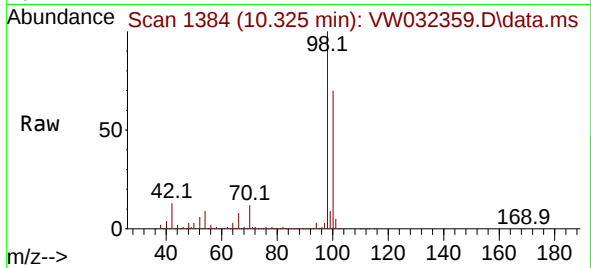




#50
Toluene-d8
Concen: 55.689 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

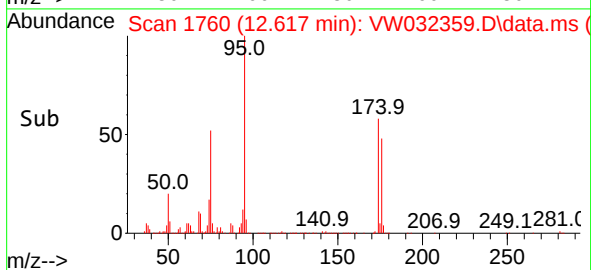
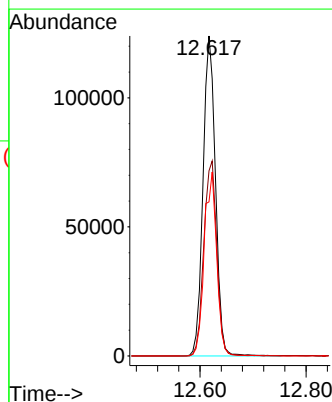
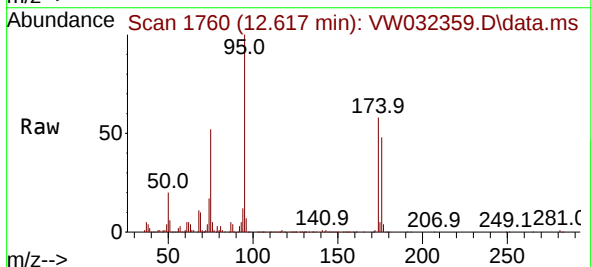
Instrument :
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ClientSampleId :
VNJ-240

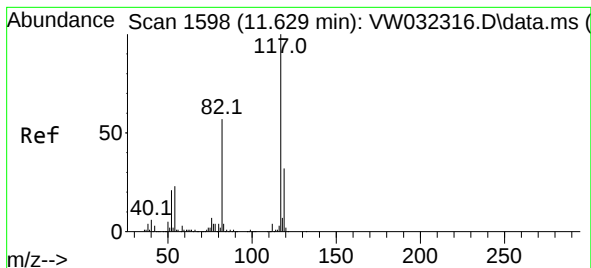
Tgt Ion: 98 Resp: 531948
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.965 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032359.D
Acq: 06 Oct 2025 15:10

Tgt Ion: 95 Resp: 202055
Ion Ratio Lower Upper
95 100
174 63.9 0.0 145.6
176 57.5 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: VW032359.D

Acq: 06 Oct 2025 15:10

Instrument :

MSVOA_W

ClientSampleId :

VNJ-240

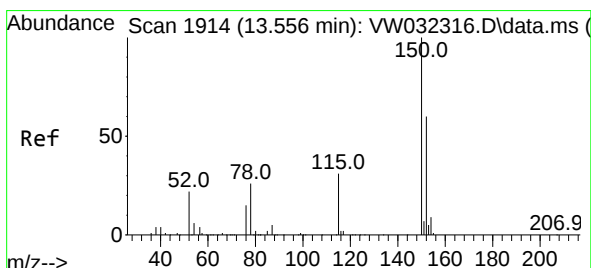
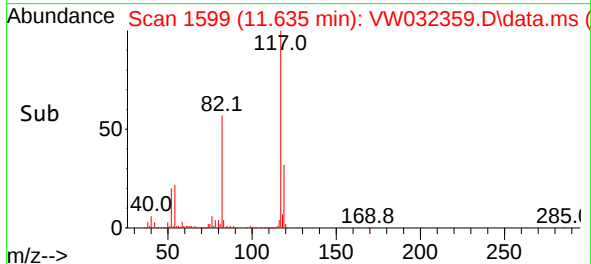
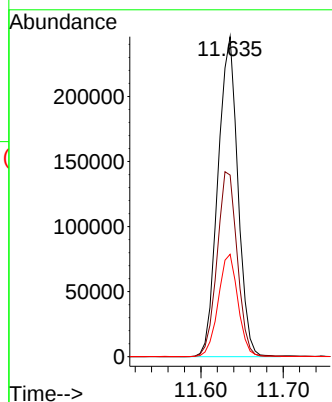
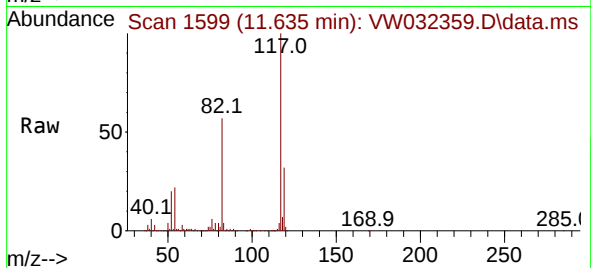
Tgt Ion:117 Resp: 414402

Ion Ratio Lower Upper

117 100

82 56.8 42.7 64.1

119 32.0 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: VW032359.D

Acq: 06 Oct 2025 15:10

Tgt Ion:152 Resp: 212076

Ion Ratio Lower Upper

152 100

115 64.1 31.8 95.4

150 151.6 0.0 343.0

