

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032199.D
 Acq On : 18 Sep 2025 15:04
 Operator : SY/MD
 Sample : Q3133-05
 Misc : 6.21g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 361

Quant Time: Sep 19 04:34:44 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	132435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	284936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	305196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	147493	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120135	63.429	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	126.860%
35) Dibromofluoromethane	7.904	113	104328	52.188	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.380%
50) Toluene-d8	10.330	98	348779	49.699	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.617	95	135476	52.206	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.420%

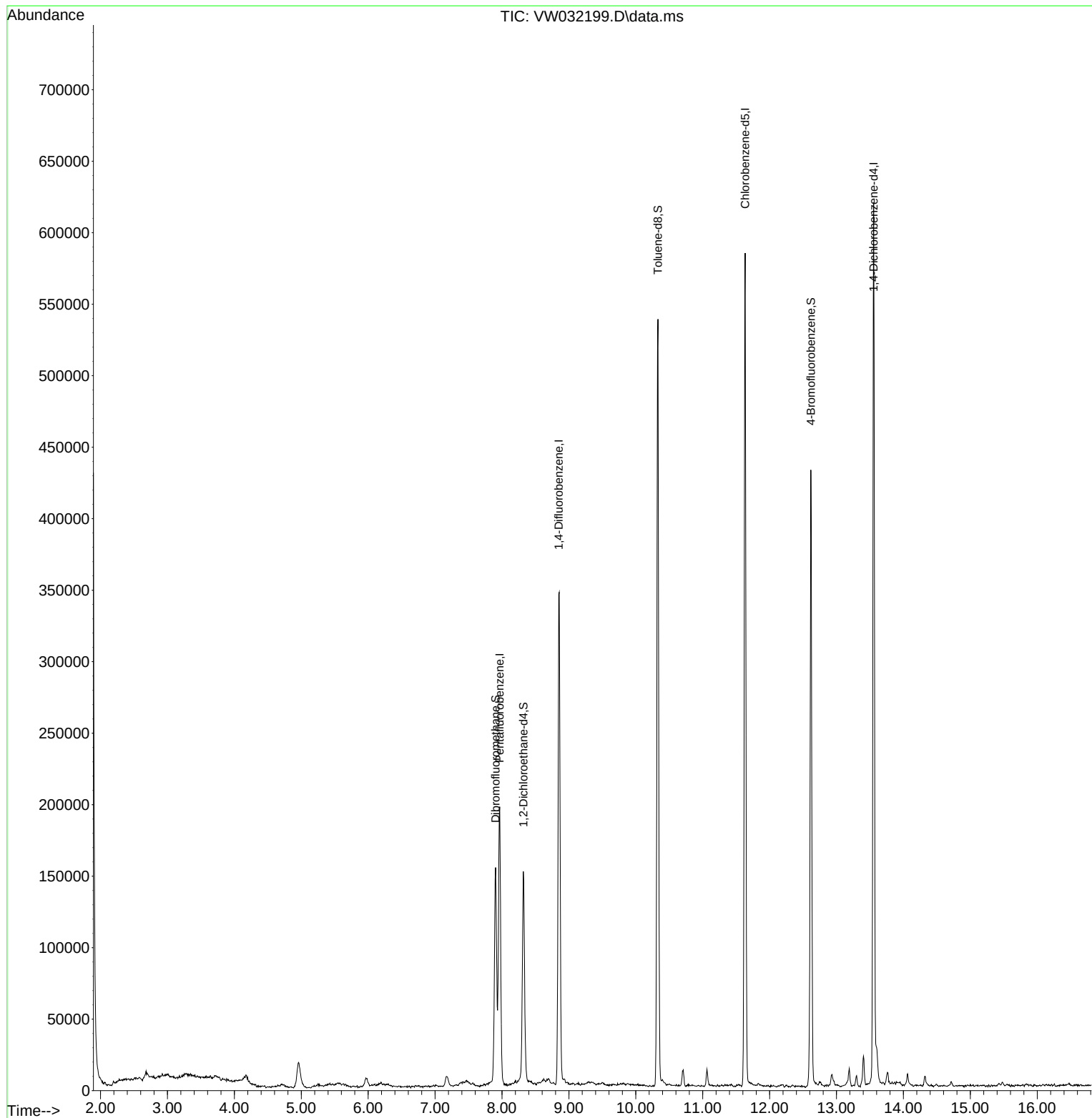
Target Compounds	Qvalue

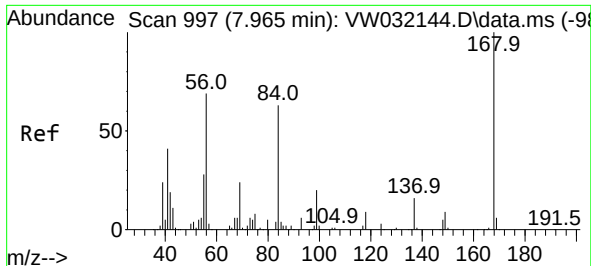
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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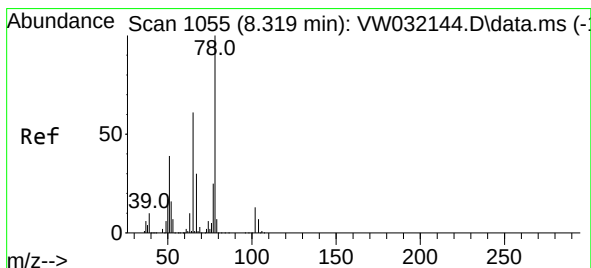
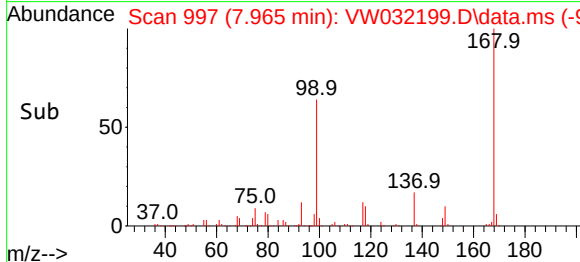
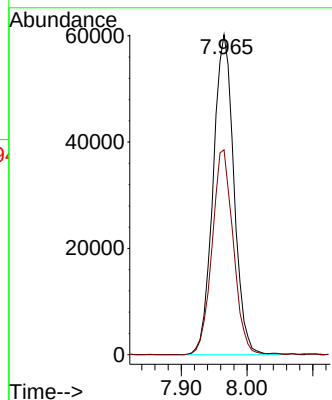
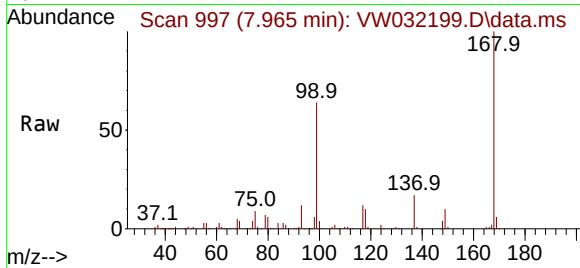




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. -0.000 min
Lab File: VW032199.D
Acq: 18 Sep 2025 15:04

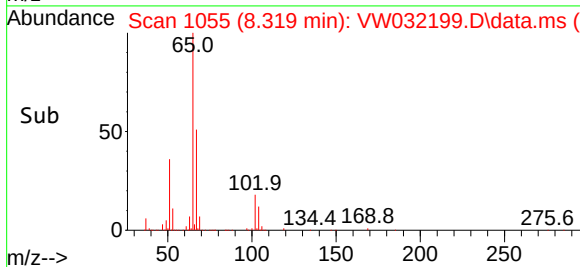
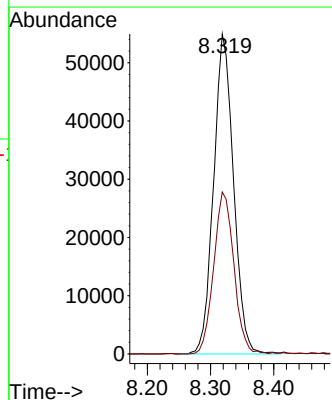
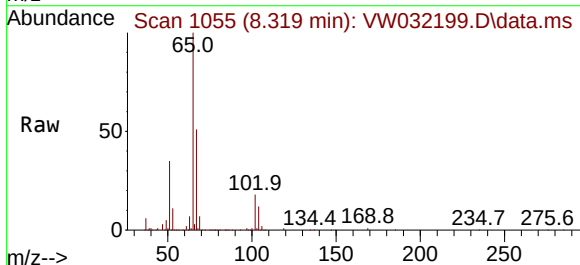
Instrument :
MSVOA_W
ClientSampleId :
361

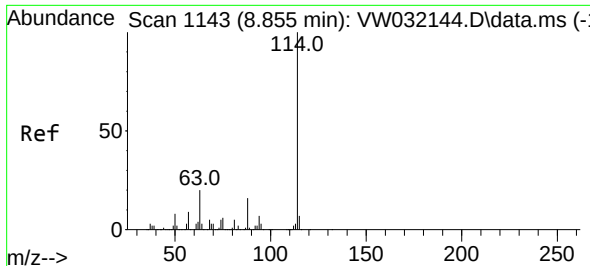
Tgt Ion:168 Resp: 132435
Ion Ratio Lower Upper
168 100
99 63.9 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 63.429 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032199.D
Acq: 18 Sep 2025 15:04

Tgt Ion: 65 Resp: 120135
Ion Ratio Lower Upper
65 100
67 51.2 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.007 min

Lab File: VW032199.D

Acq: 18 Sep 2025 15:04

Instrument :

MSVOA_W

ClientSampleId :

361

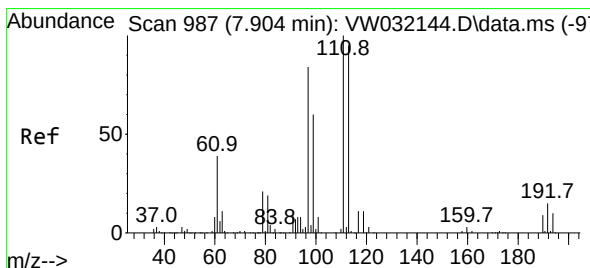
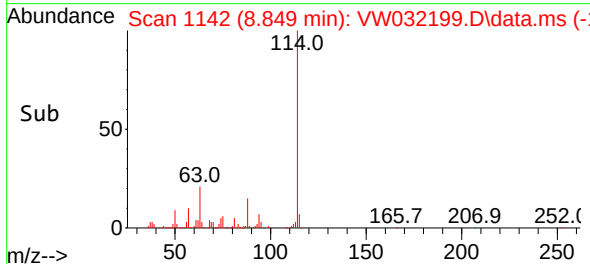
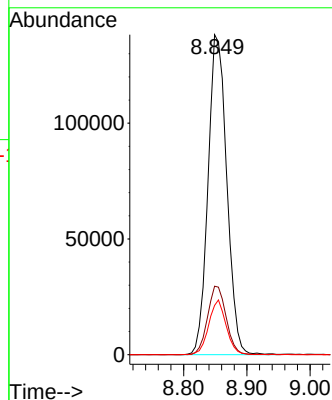
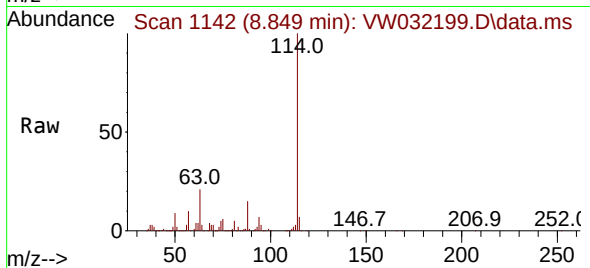
Tgt Ion:114 Resp: 284936

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.4

88 15.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.188 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032199.D

Acq: 18 Sep 2025 15:04

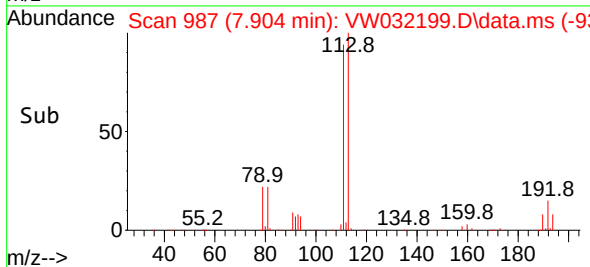
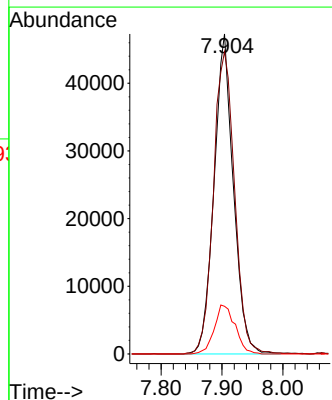
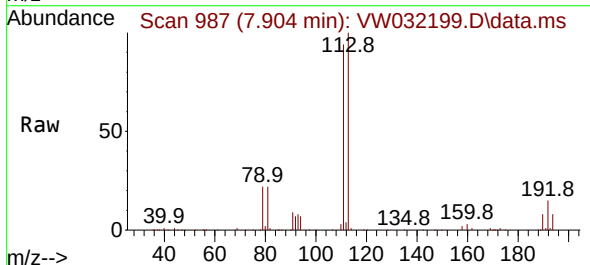
Tgt Ion:113 Resp: 104328

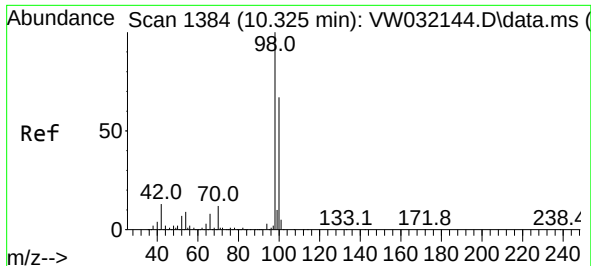
Ion Ratio Lower Upper

113 100

111 103.4 83.9 125.9

192 16.5 14.6 21.8

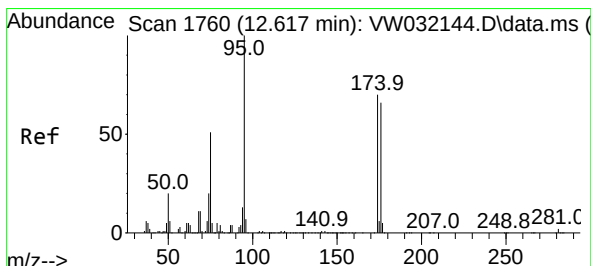
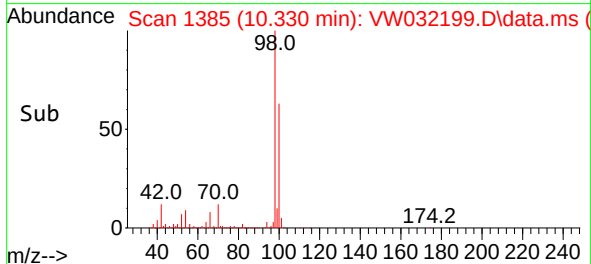
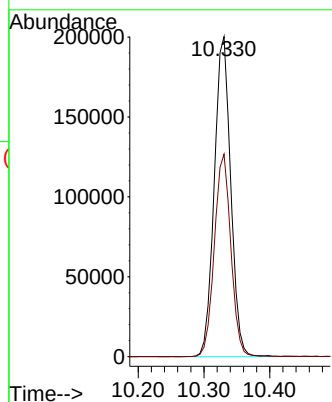
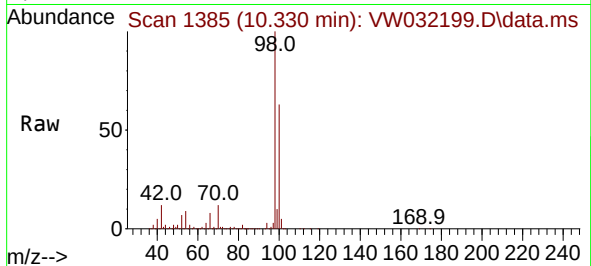




#50
Toluene-d8
Concen: 49.699 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032199.D
Acq: 18 Sep 2025 15:04

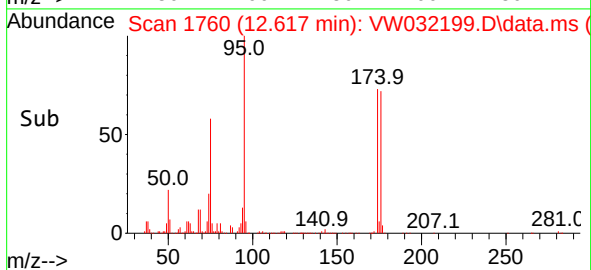
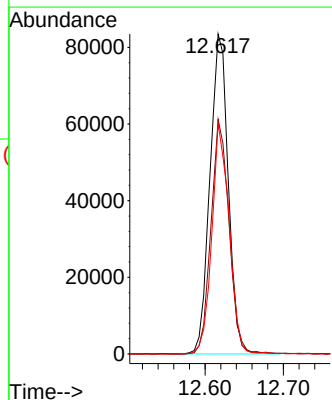
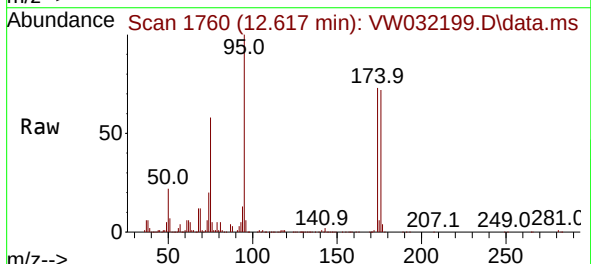
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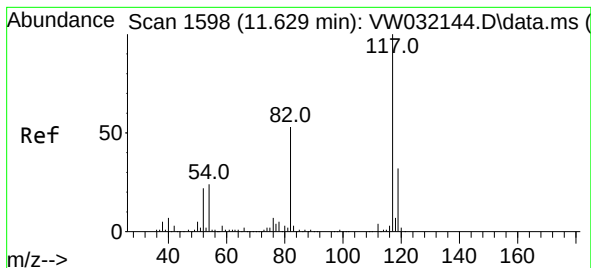
Tgt Ion: 98 Resp: 348779
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 52.206 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032199.D
Acq: 18 Sep 2025 15:04

Tgt Ion: 95 Resp: 135476
Ion Ratio Lower Upper
95 100
174 72.4 0.0 145.6
176 68.4 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: VW032199.D

Acq: 18 Sep 2025 15:04

Instrument :

MSVOA_W

ClientSampleId :

361

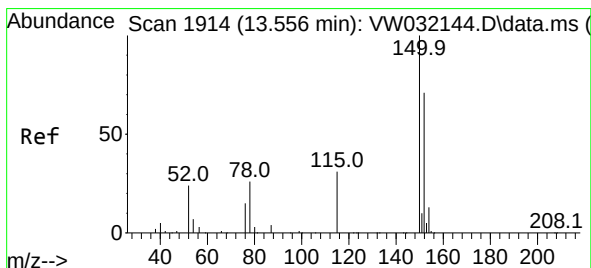
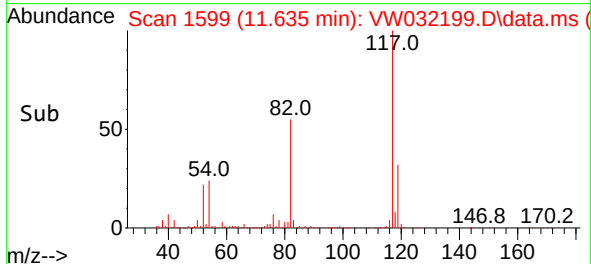
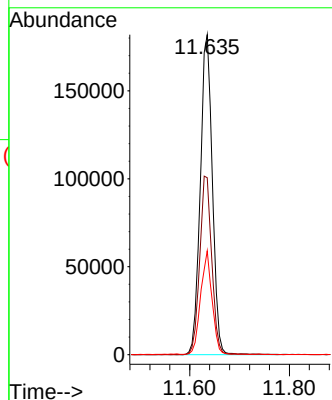
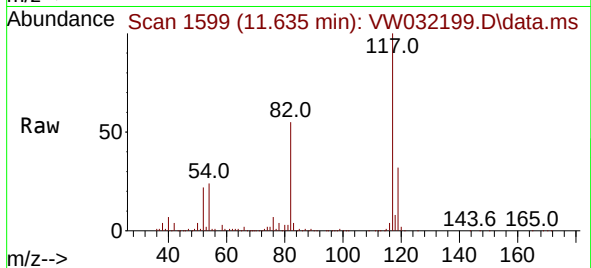
Tgt Ion:117 Resp: 305196

Ion Ratio Lower Upper

117 100

82 55.3 42.7 64.1

119 32.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032199.D

Acq: 18 Sep 2025 15:04

Tgt Ion:152 Resp: 147493

Ion Ratio Lower Upper

152 100

115 63.7 31.8 95.4

150 164.8 0.0 343.0

