

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032155.D
 Acq On : 28 Aug 2025 13:20
 Operator : SY/MD
 Sample : Q2971-07
 Misc : 5.12g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP1

Quant Time: Aug 29 01:18:24 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	173027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	331295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	326041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	163869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	130276	52.647	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.300%
35) Dibromofluoromethane	7.904	113	118245	50.872	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.740%
50) Toluene-d8	10.331	98	401396	49.193	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.617	95	145837	48.334	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.660%

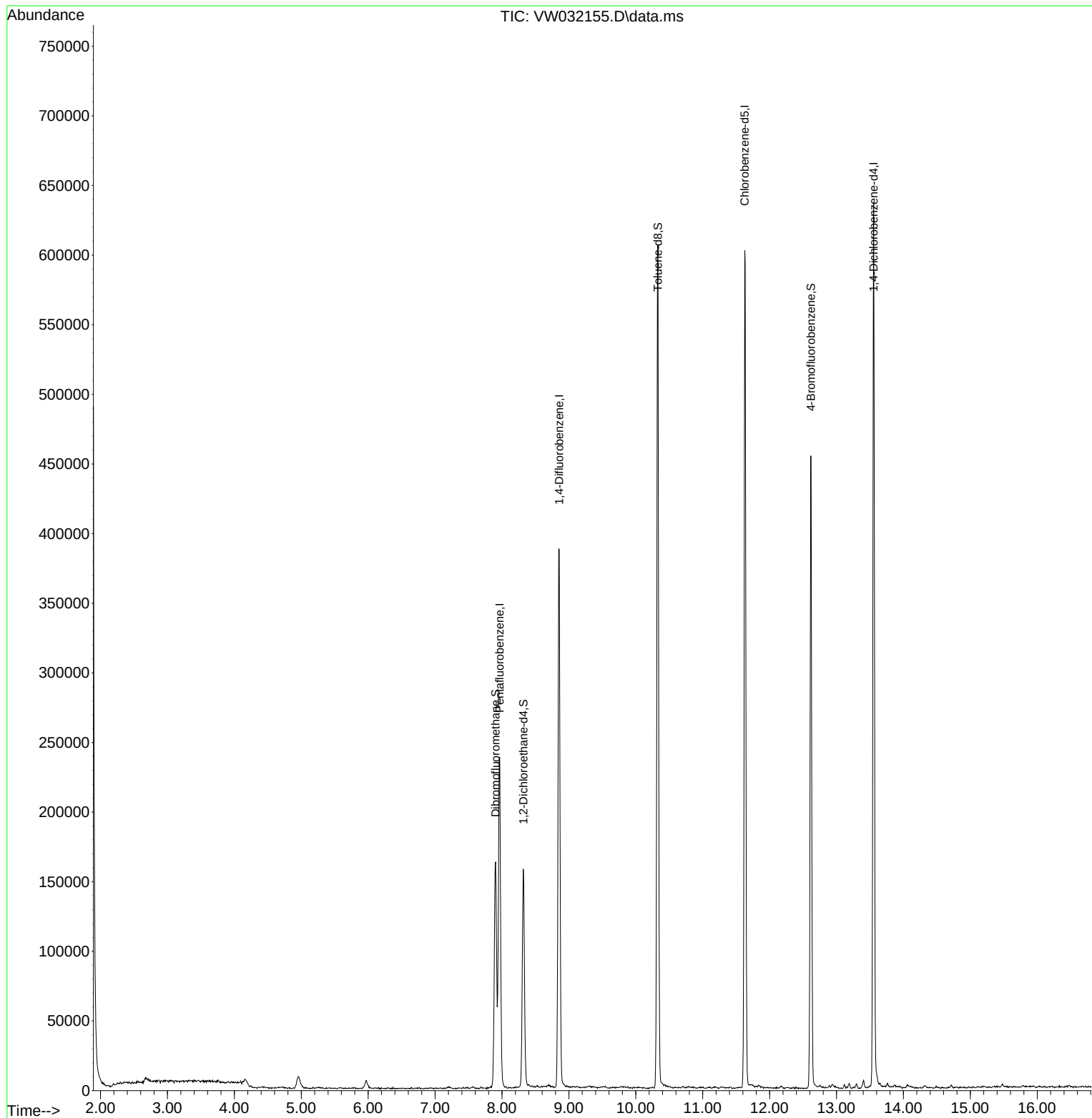
Target Compounds	Qvalue

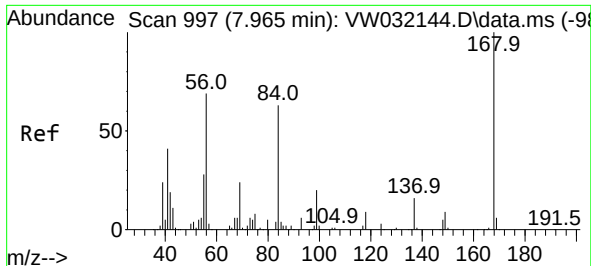
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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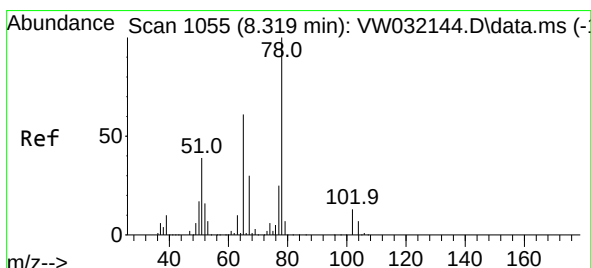
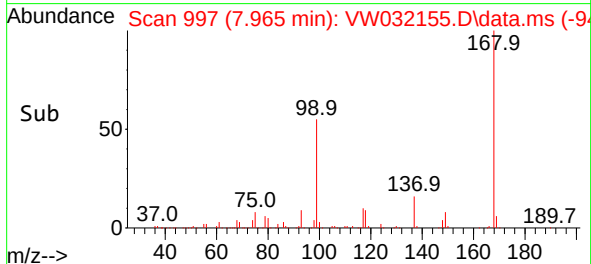
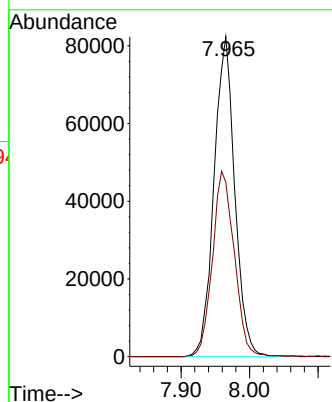
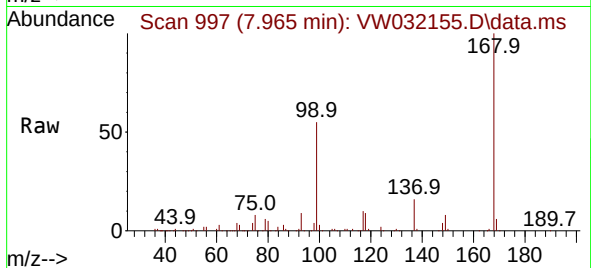




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

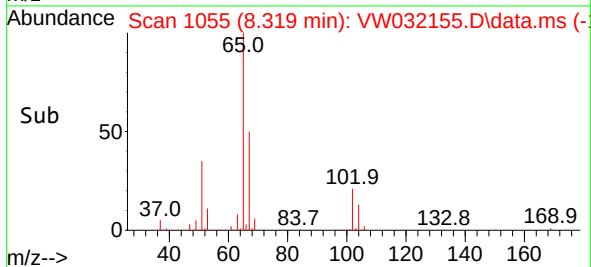
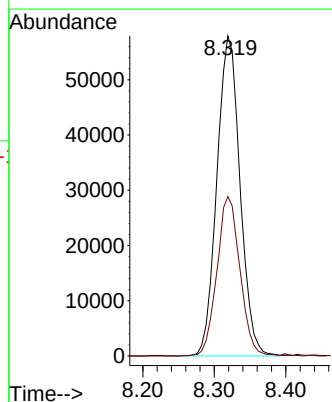
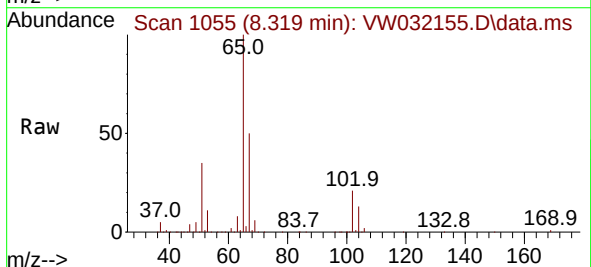
Instrument :
MSVOA_W
ClientSampleId :
TP1

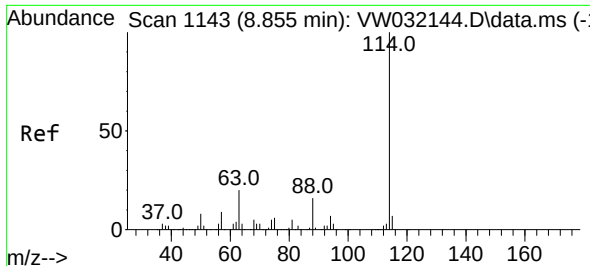
Tgt Ion:168 Resp: 173027
Ion Ratio Lower Upper
168 100
99 54.6 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 52.647 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 65 Resp: 130276
Ion Ratio Lower Upper
65 100
67 49.5 0.0 99.6

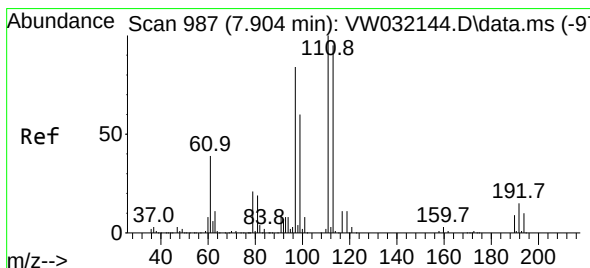
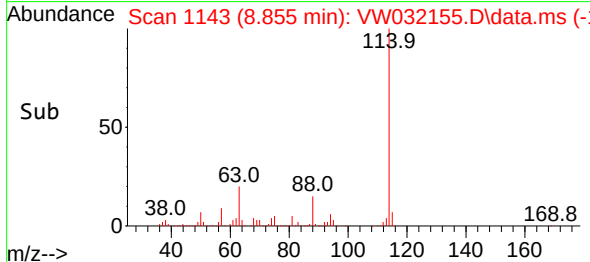
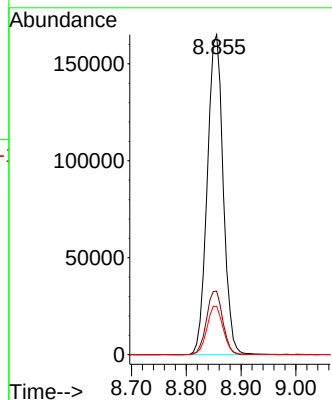
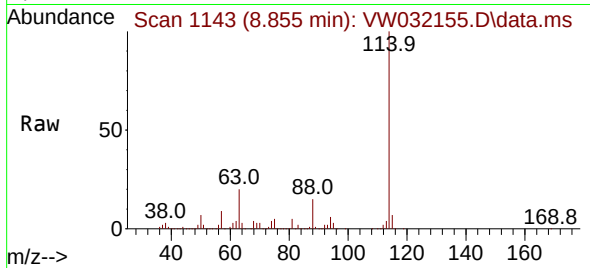




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

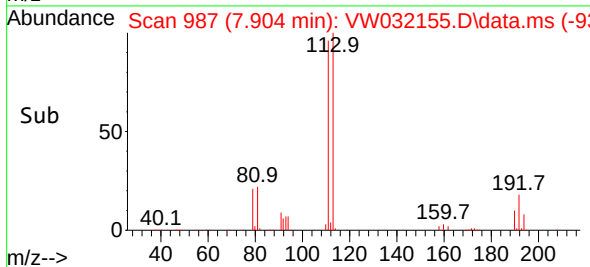
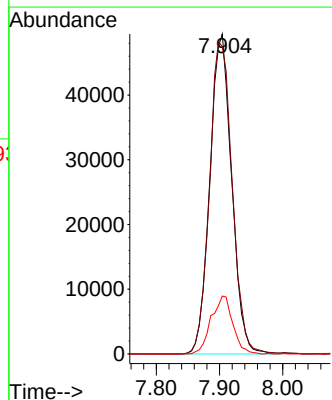
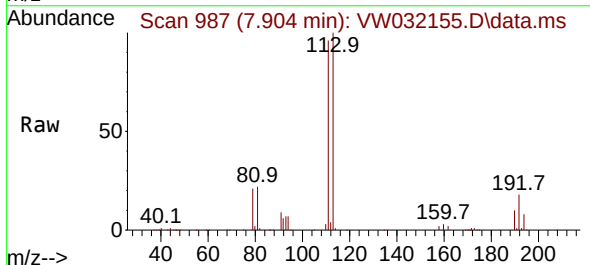
Instrument :
MSVOA_W
ClientSampleId :
TP1

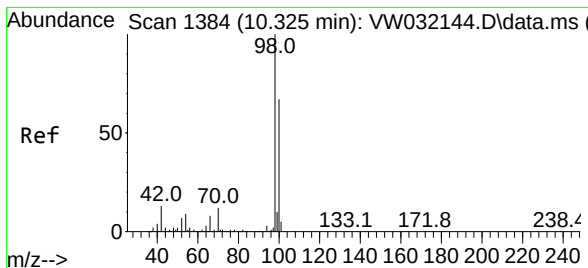
Tgt Ion:114 Resp: 331295
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.4
88 15.1 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.872 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

Tgt Ion:113 Resp: 118245
Ion Ratio Lower Upper
113 100
111 101.3 83.9 125.9
192 18.0 14.6 21.8

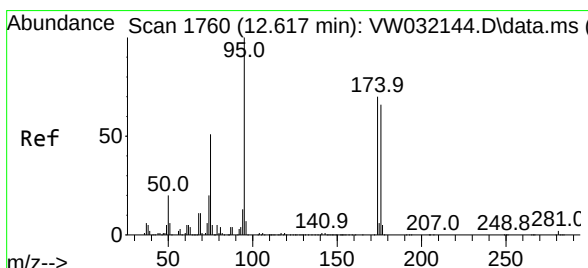
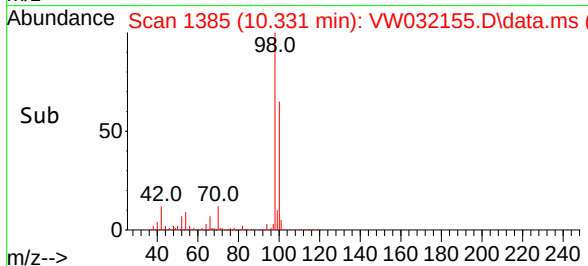
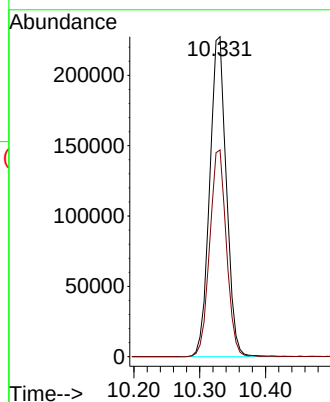
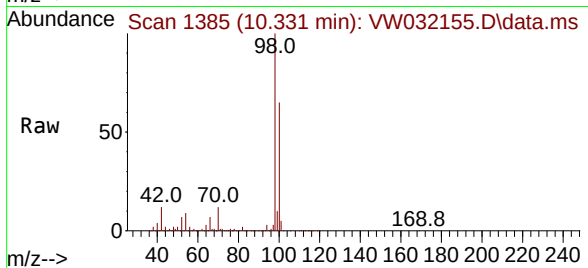




#50
Toluene-d8
Concen: 49.193 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

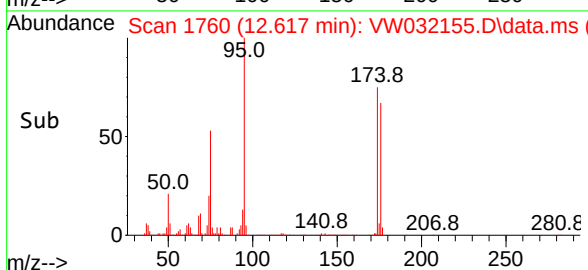
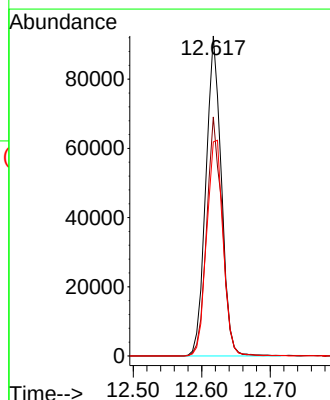
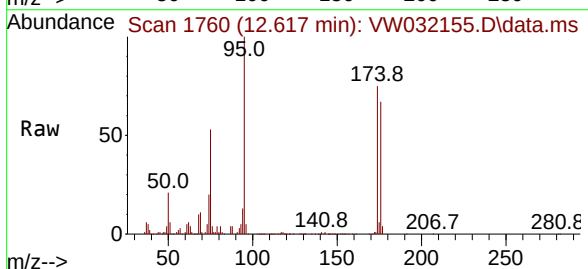
Instrument :
MSVOA_W
ClientSampleId :
TP1

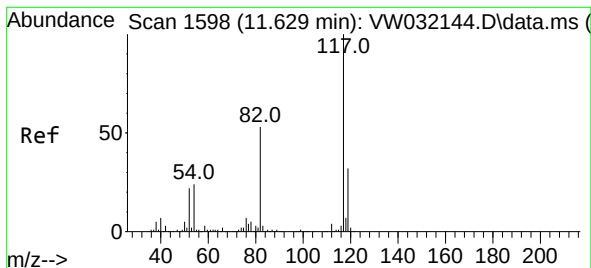
Tgt Ion: 98 Resp: 401396
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 48.334 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032155.D
Acq: 28 Aug 2025 13:20

Tgt Ion: 95 Resp: 145837
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.6
176 71.8 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: VW032155.D

Acq: 28 Aug 2025 13:20

Instrument :

MSVOA_W

ClientSampleId :

TP1

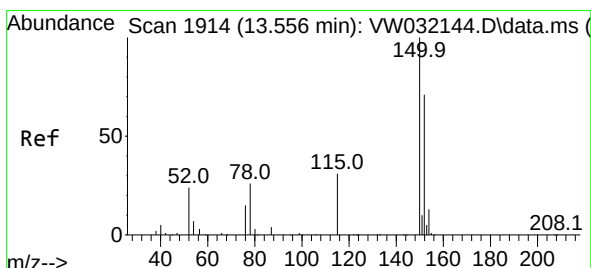
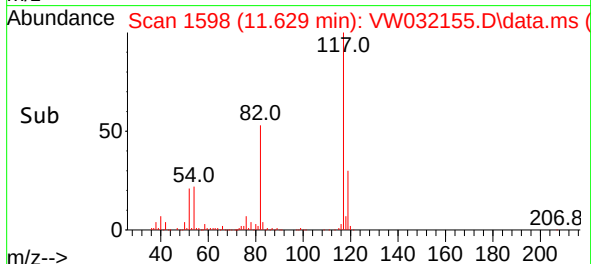
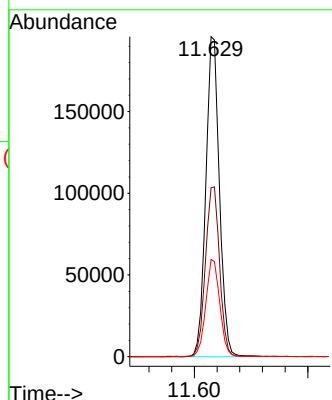
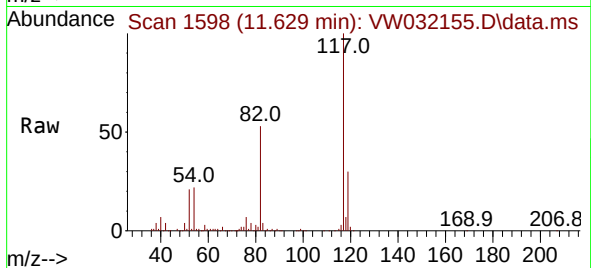
Tgt Ion:117 Resp: 326041

Ion Ratio Lower Upper

117 100

82 52.8 42.7 64.1

119 30.4 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: VW032155.D

Acq: 28 Aug 2025 13:20

Tgt Ion:152 Resp: 163869

Ion Ratio Lower Upper

152 100

115 59.6 31.8 95.4

150 152.2 0.0 343.0

