

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032090.D
 Acq On : 14 Aug 2025 13:54
 Operator : SY/MD
 Sample : Q2820-07
 Misc : 6.26g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 518R-S

Quant Time: Aug 18 03:52:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	145772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	300621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	280561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	122108	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	120663	57.233	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	114.460%
35) Dibromofluoromethane	7.898	113	106169	54.666	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.340%
50) Toluene-d8	10.331	98	344643	47.978	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.960%
62) 4-Bromofluorobenzene	12.617	95	121505	45.900	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.800%

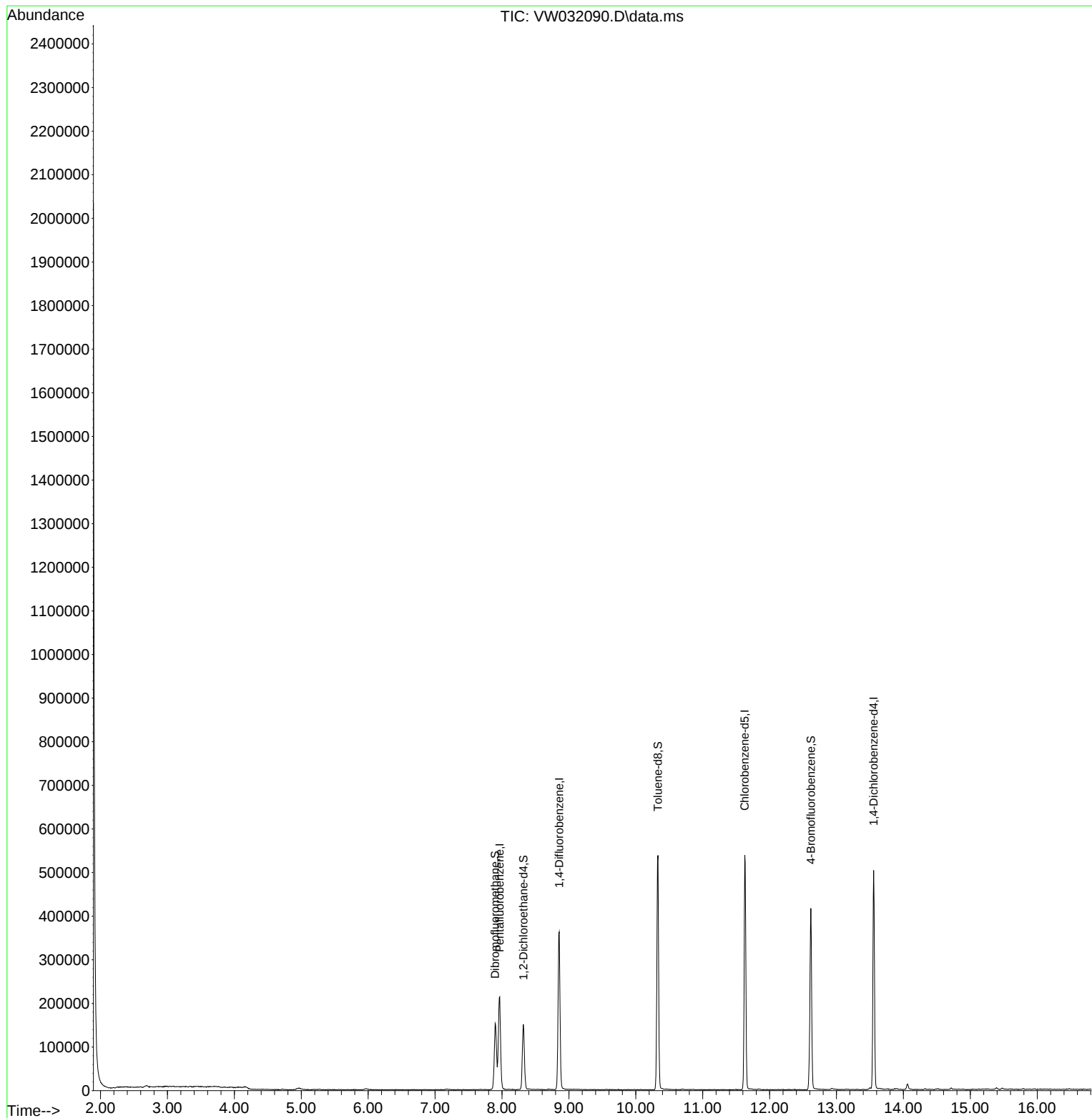
Target Compounds	Qvalue

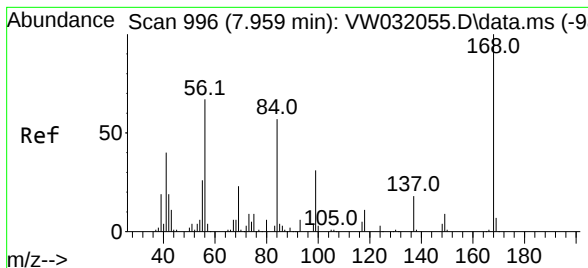
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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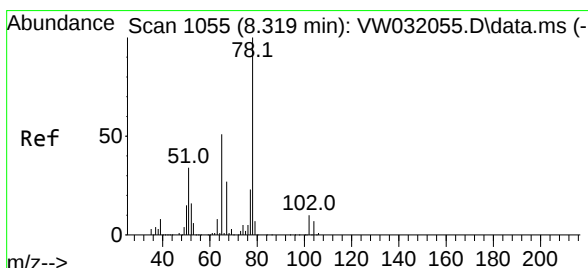
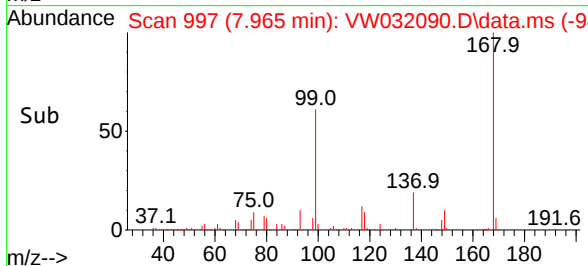
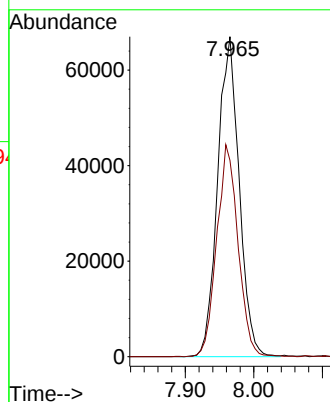
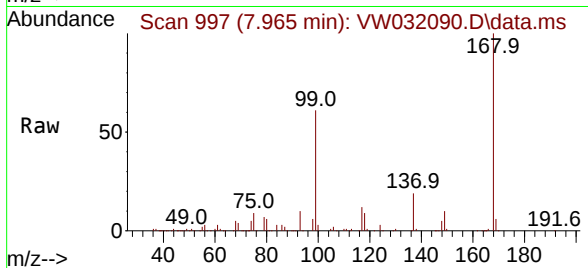




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

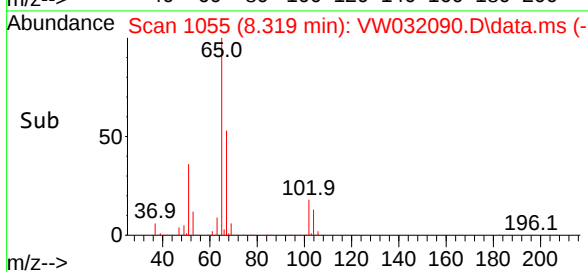
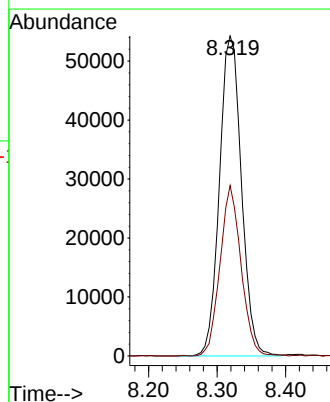
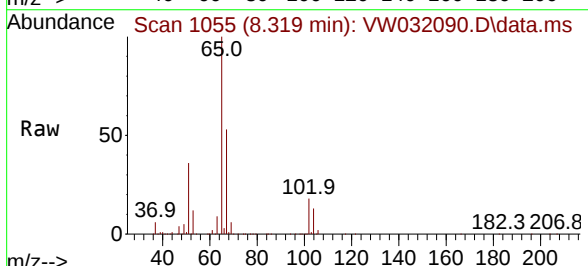
Instrument :
MSVOA_W
ClientSampleId :
518R-S

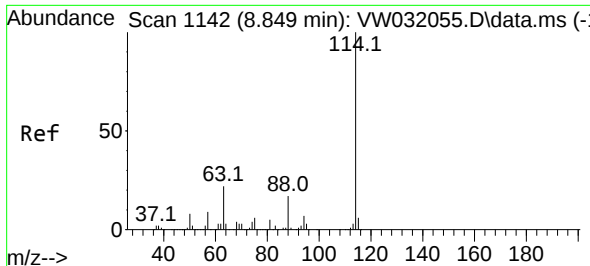
Tgt Ion:168 Resp: 145772
Ion Ratio Lower Upper
168 100
99 61.2 56.0 84.0



#33
1,2-Dichloroethane-d4
Concen: 57.233 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 65 Resp: 120663
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.4

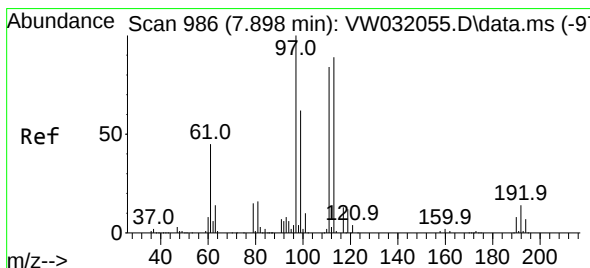
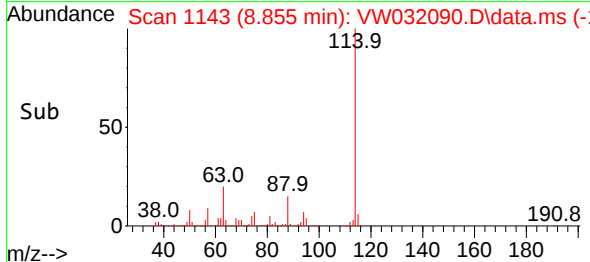
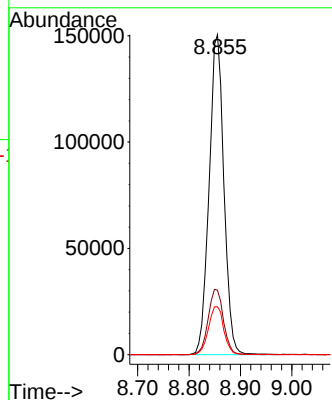
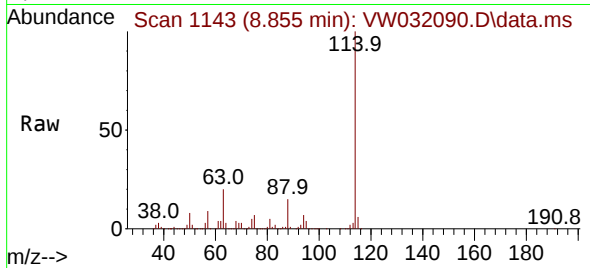




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

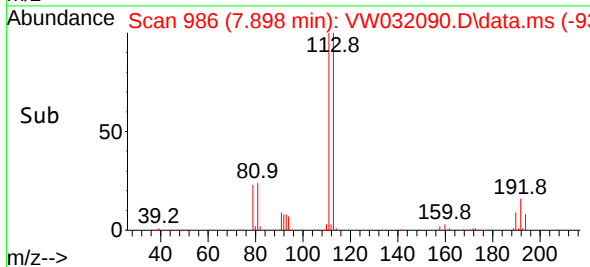
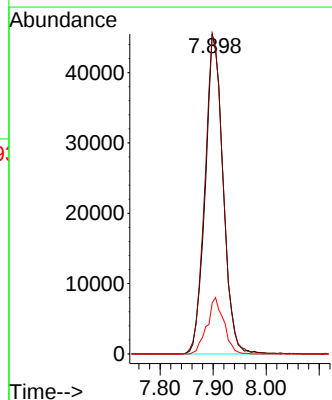
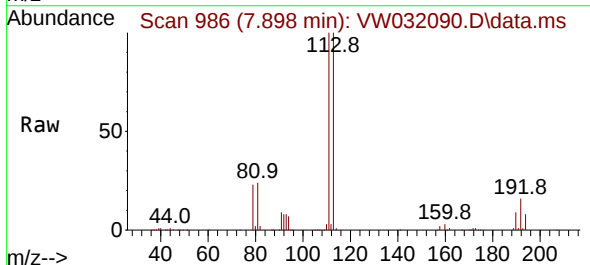
Instrument :
MSVOA_W
ClientSampleId :
518R-S

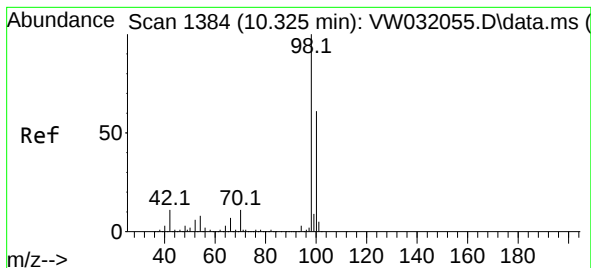
Tgt Ion:114 Resp: 300621
Ion Ratio Lower Upper
114 100
63 20.2 0.0 43.0
88 15.0 0.0 33.8



#35
Dibromofluoromethane
Concen: 54.666 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion:113 Resp: 106169
Ion Ratio Lower Upper
113 100
111 101.7 80.1 120.1
192 16.6 13.1 19.7

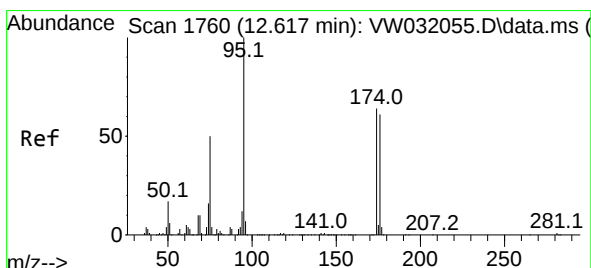
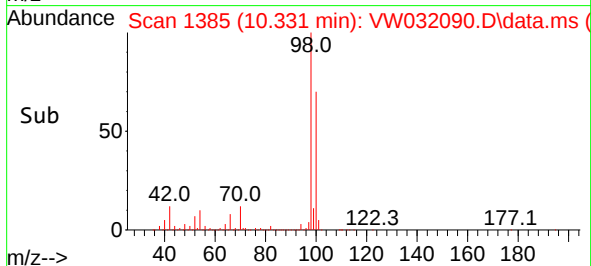
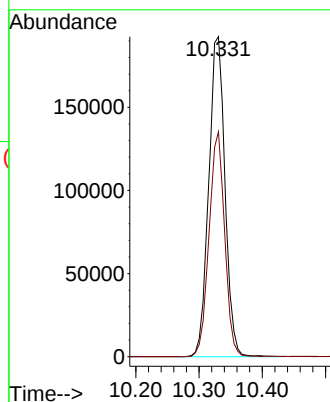
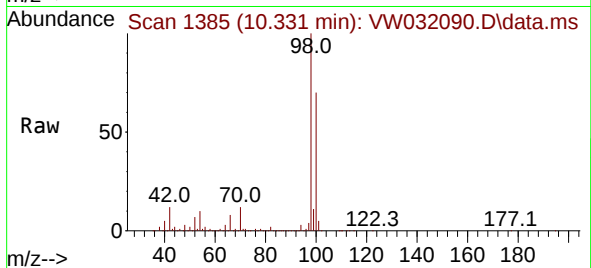




#50
Toluene-d8
Concen: 47.978 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

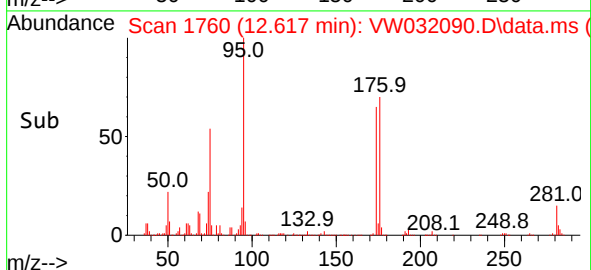
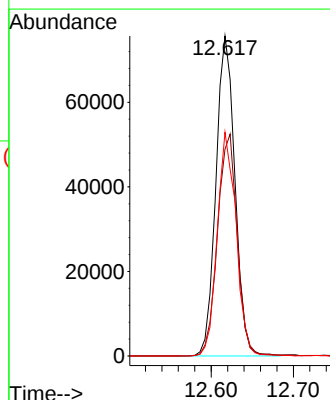
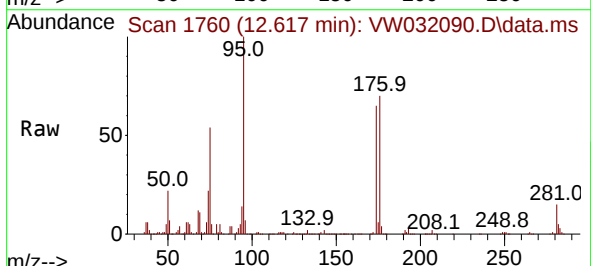
Instrument :
MSVOA_W
ClientSampleId :
518R-S

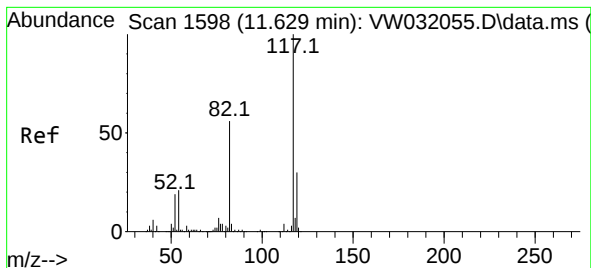
Tgt Ion: 98 Resp: 344643
Ion Ratio Lower Upper
98 100
100 67.4 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.900 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032090.D
Acq: 14 Aug 2025 13:54

Tgt Ion: 95 Resp: 121505
Ion Ratio Lower Upper
95 100
174 72.1 0.0 129.0
176 69.5 0.0 124.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

Instrument :

MSVOA_W

ClientSampleId :

518R-S

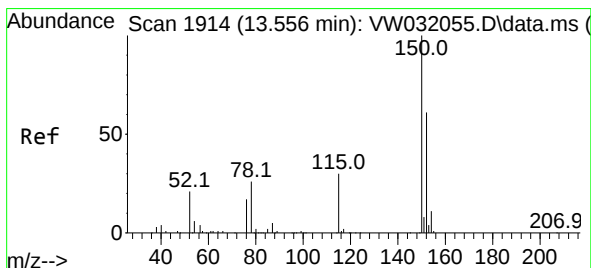
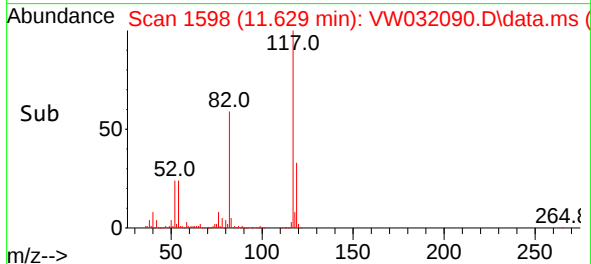
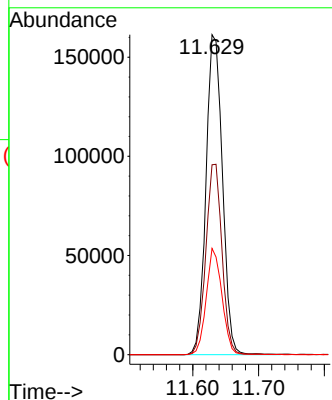
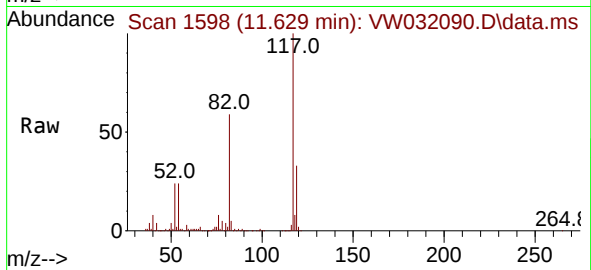
Tgt Ion:117 Resp: 280561

Ion Ratio Lower Upper

117 100

82 59.3 45.0 67.4

119 33.2 24.2 36.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032090.D

Acq: 14 Aug 2025 13:54

Tgt Ion:152 Resp: 122108

Ion Ratio Lower Upper

152 100

115 64.3 32.6 97.8

150 161.3 0.0 359.4

