

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032365.D
 Acq On : 06 Oct 2025 17:23
 Operator : SY/MD
 Sample : Q3296-01
 Misc : 5.15g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-04-10062025

Quant Time: Oct 07 03:50:05 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	7.965	168	202934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	448342	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	452278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	227738	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183333	61.939	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	123.880%
35) Dibromofluoromethane	7.898	113	151018	52.012	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	104.020%
50) Toluene-d8	10.325	98	562846	52.523	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.040%
62) 4-Bromofluorobenzene	12.617	95	216735	53.510	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	107.020%

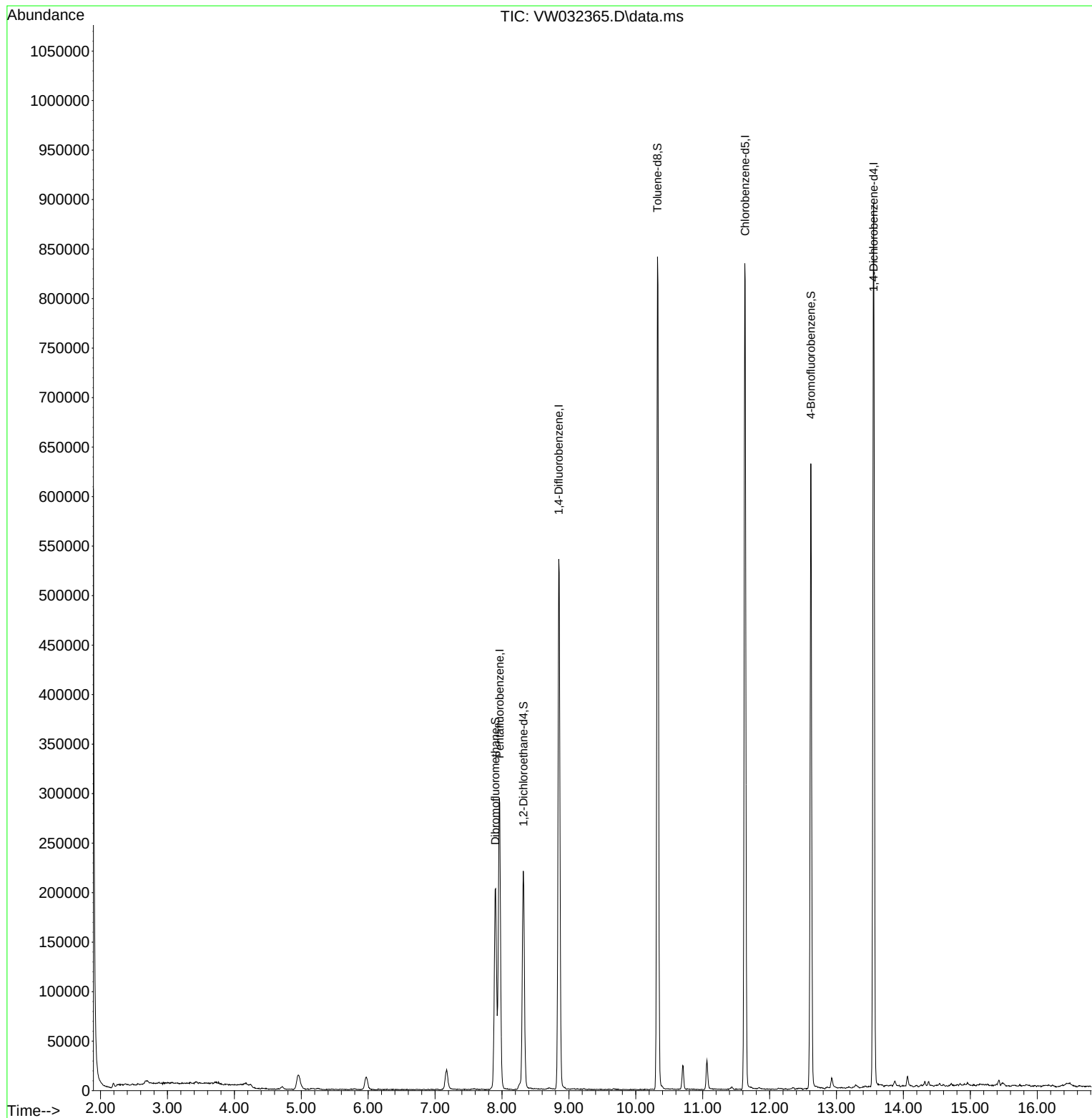
Target Compounds	Qvalue

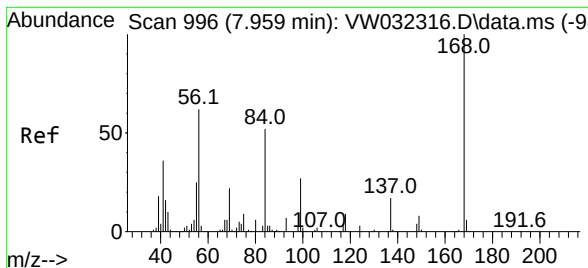
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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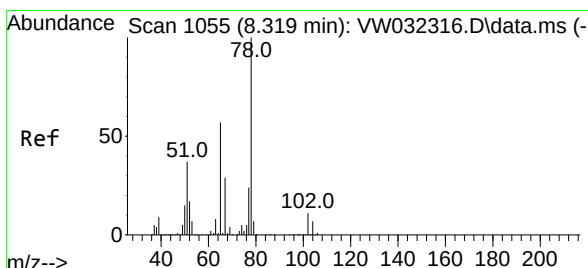
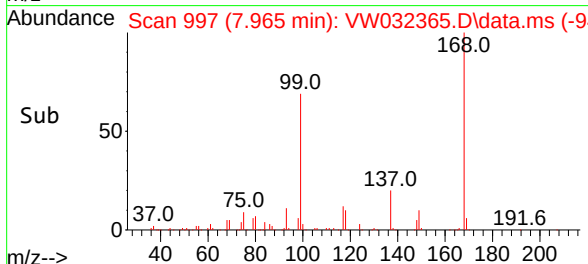
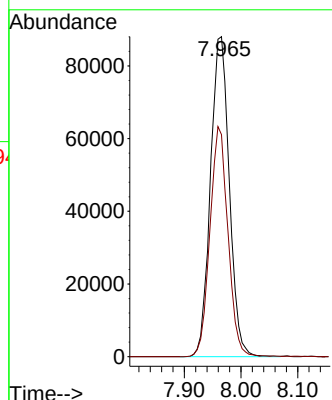
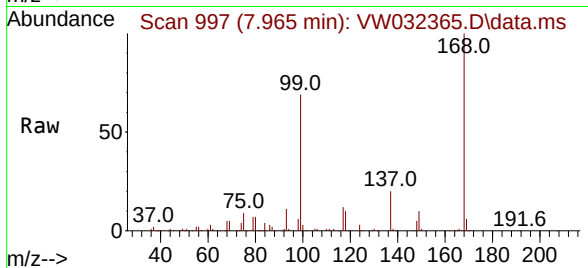




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032365.D
Acq: 06 Oct 2025 17:23

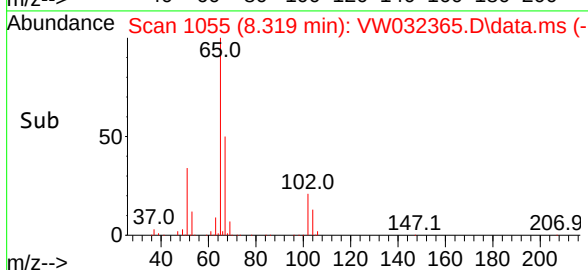
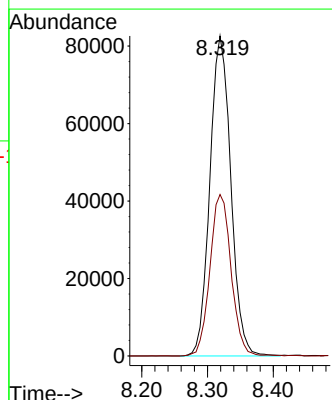
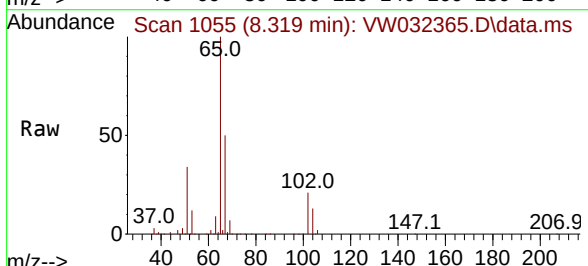
Instrument :
MSVOA_W
ClientSampleId :
SU-04-10062025

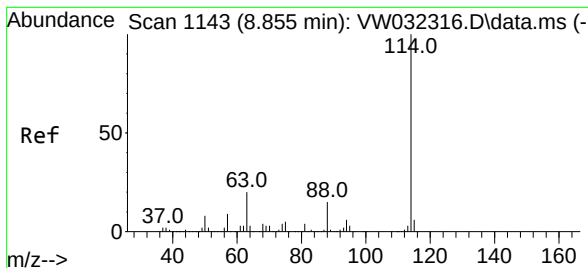
Tgt Ion:168 Resp: 202934
Ion Ratio Lower Upper
168 100
99 69.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 61.939 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032365.D
Acq: 06 Oct 2025 17:23

Tgt Ion: 65 Resp: 183333
Ion Ratio Lower Upper
65 100
67 51.0 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032365.D

Acq: 06 Oct 2025 17:23

Instrument :

MSVOA_W

ClientSampleId :

SU-04-10062025

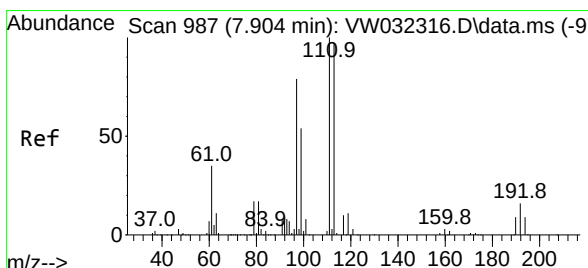
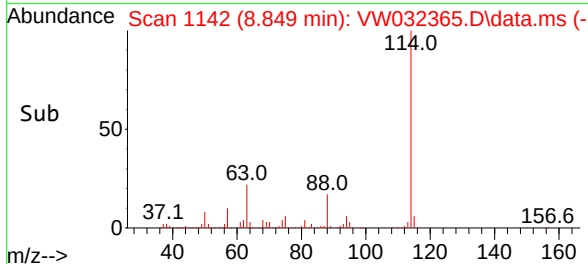
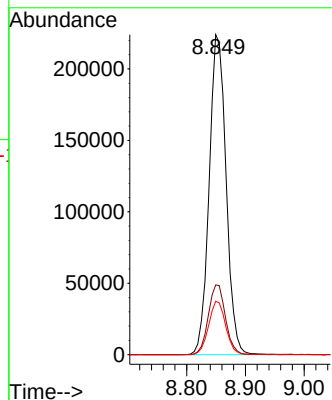
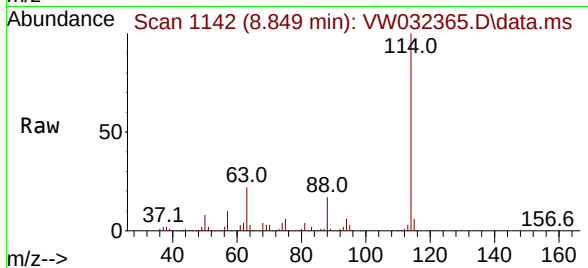
Tgt Ion:114 Resp: 448342

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.4

88 16.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 52.012 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032365.D

Acq: 06 Oct 2025 17:23

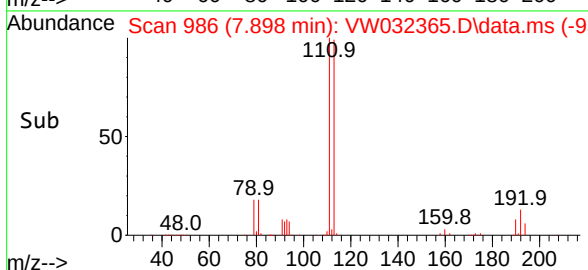
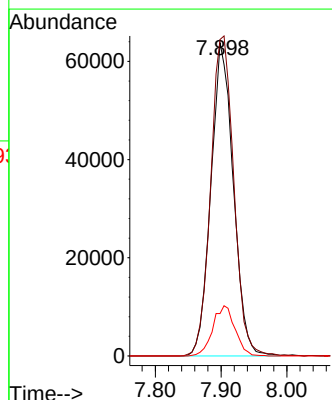
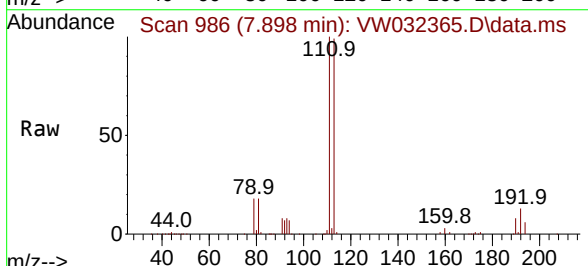
Tgt Ion:113 Resp: 151018

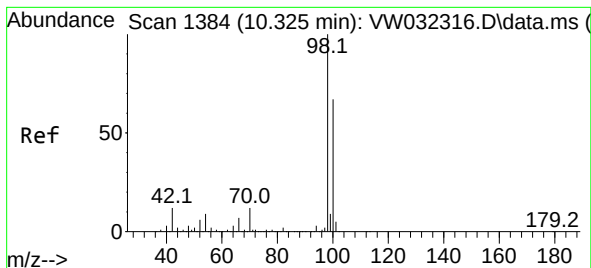
Ion Ratio Lower Upper

113 100

111 105.3 83.9 125.9

192 15.9 14.6 21.8

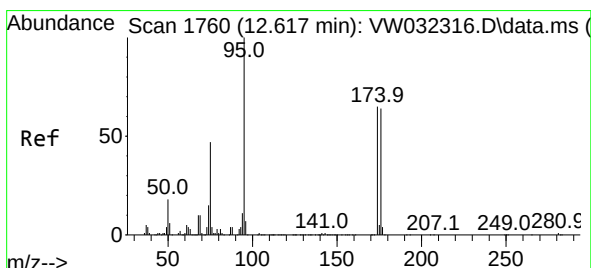
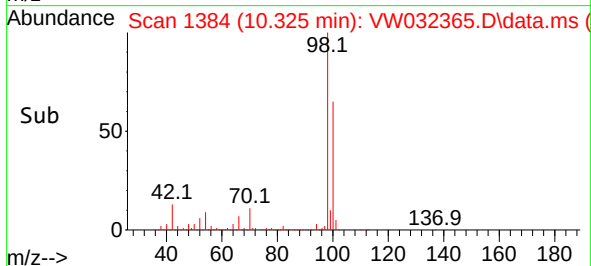
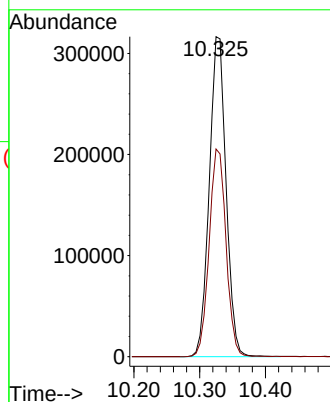
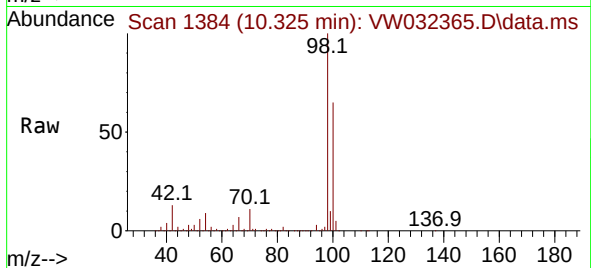




#50
Toluene-d8
Concen: 52.523 ug/l
RT: 10.325 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032365.D
Acq: 06 Oct 2025 17:23

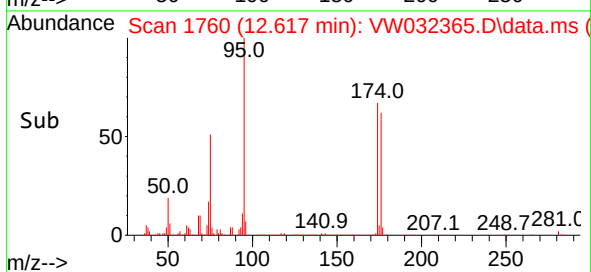
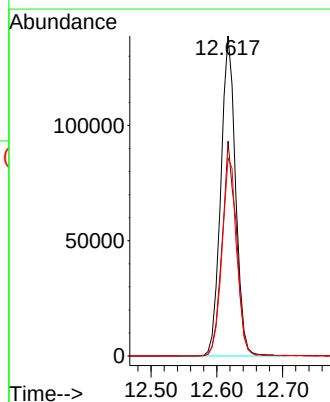
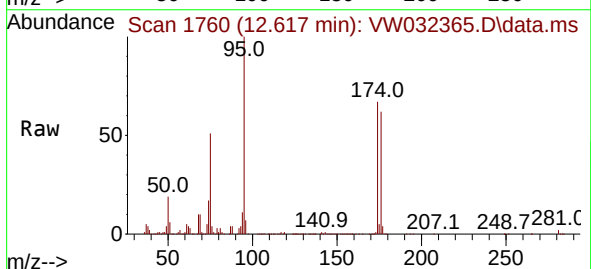
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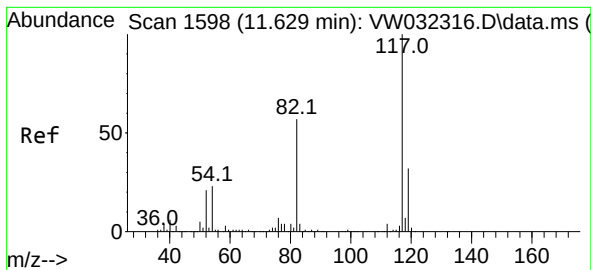
Tgt Ion: 98 Resp: 562846
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 53.510 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032365.D
Acq: 06 Oct 2025 17:23

Tgt Ion: 95 Resp: 216735
Ion Ratio Lower Upper
95 100
174 64.5 0.0 145.6
176 62.3 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: VW032365.D

Acq: 06 Oct 2025 17:23

Instrument :

MSVOA_W

ClientSampleId :

SU-04-10062025

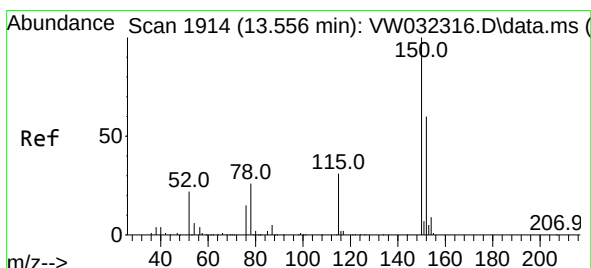
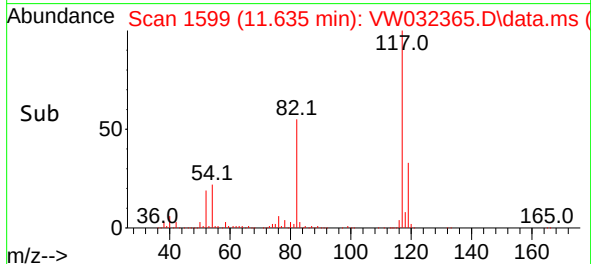
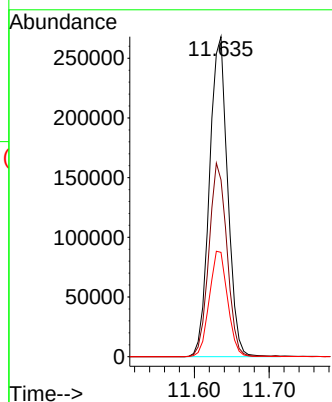
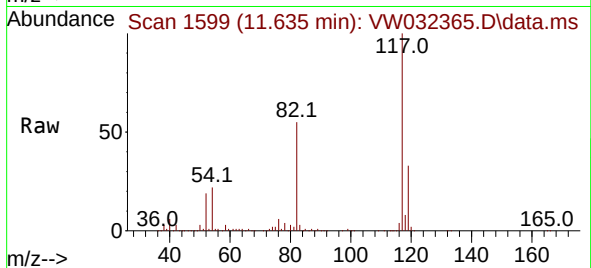
Tgt Ion:117 Resp: 452278

Ion Ratio Lower Upper

117 100

82 55.3 42.7 64.1

119 32.6 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: VW032365.D

Acq: 06 Oct 2025 17:23

Tgt Ion:152 Resp: 227738

Ion Ratio Lower Upper

152 100

115 64.3 31.8 95.4

150 162.1 0.0 343.0

