

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100625\
 Data File : VW032366.D
 Acq On : 06 Oct 2025 17:46
 Operator : SY/MD
 Sample : Q3297-01
 Misc : 4.75g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP1

Quant Time: Oct 07 03:50:36 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	190254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	435018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	452629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	224343	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	179724	64.766	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	129.540%
35) Dibromofluoromethane	7.898	113	154430	54.816	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	109.640%
50) Toluene-d8	10.325	98	550037	52.900	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	105.800%
62) 4-Bromofluorobenzene	12.617	95	216378	55.058	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	110.120%

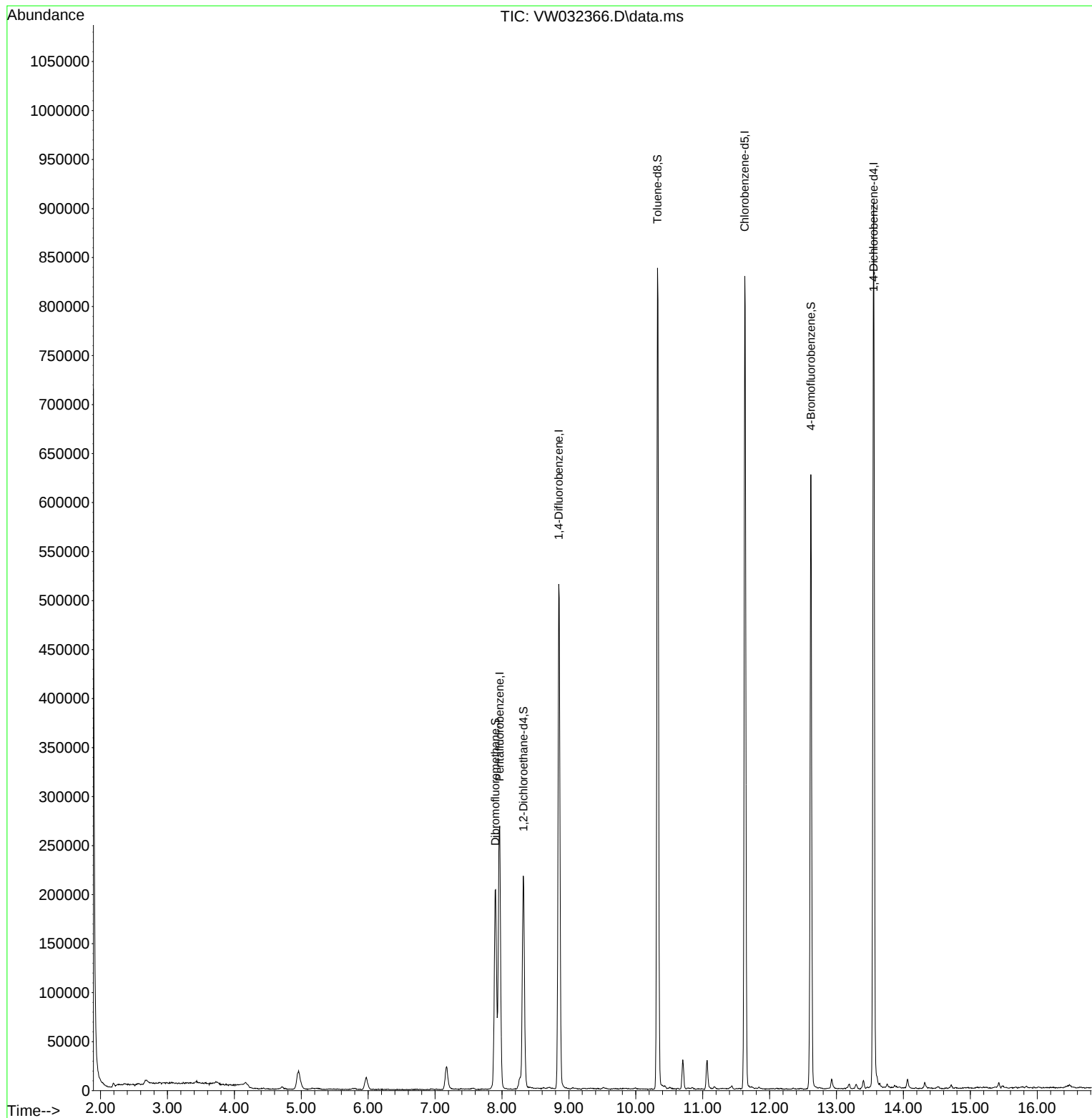
Target Compounds	Qvalue

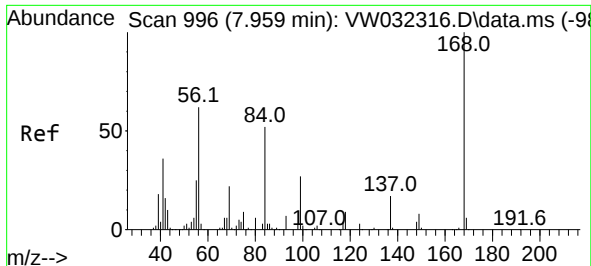
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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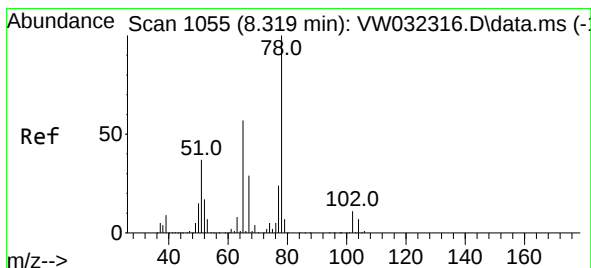
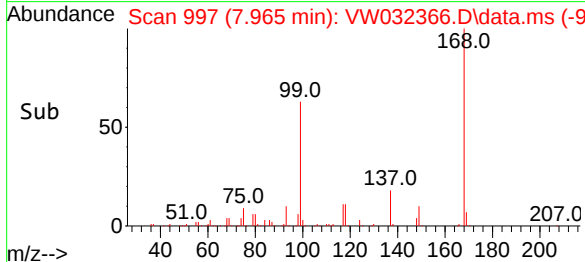
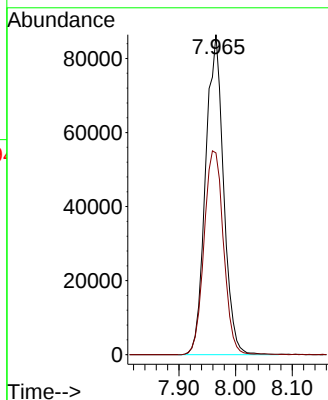
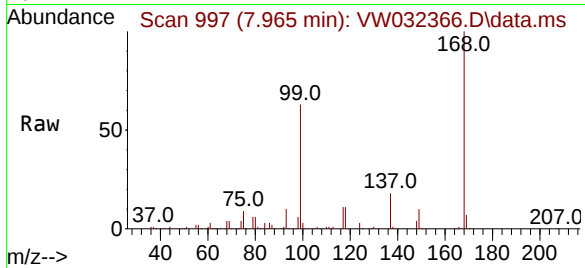




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

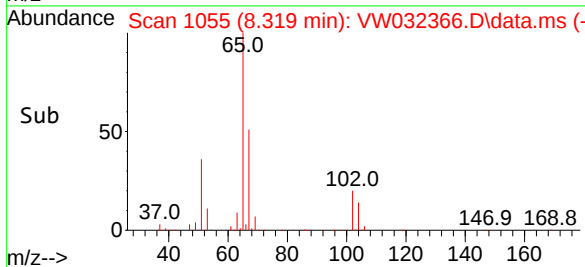
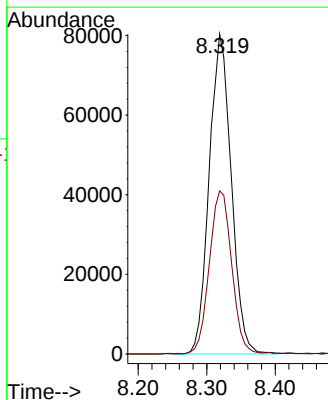
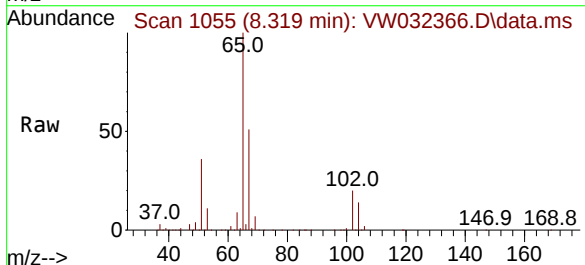
Instrument :
MSVOA_W
ClientSampleId :
TP1

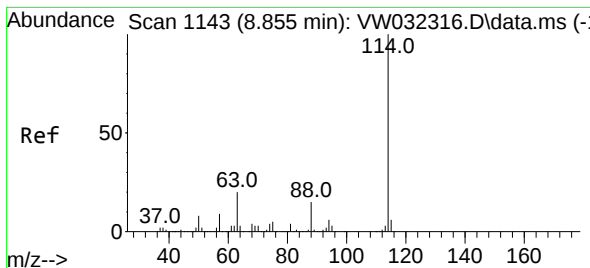
Tgt Ion:168 Resp: 190254
Ion Ratio Lower Upper
168 100
99 63.0 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 64.766 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 65 Resp: 179724
Ion Ratio Lower Upper
65 100
67 51.3 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: VW032366.D

Acq: 06 Oct 2025 17:46

Instrument :

MSVOA_W

ClientSampleId :

TP1

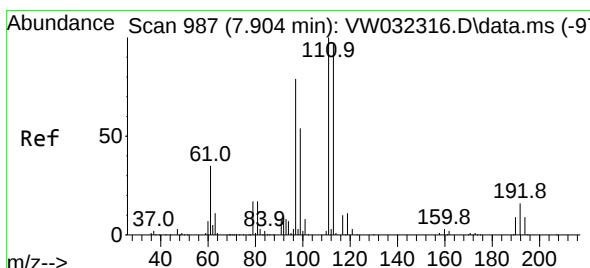
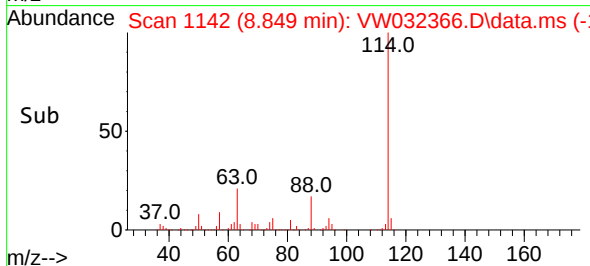
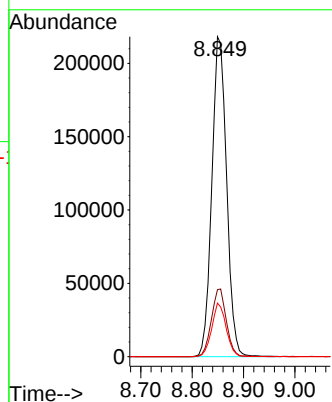
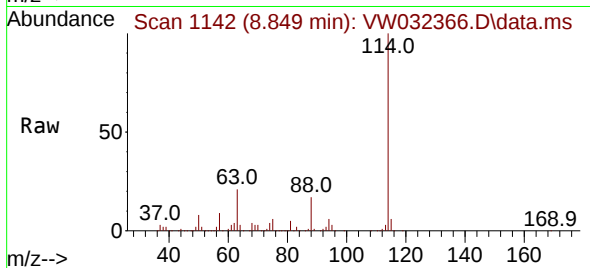
Tgt Ion:114 Resp: 435018

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

88 16.7 0.0 32.0



#35

Dibromofluoromethane

Concen: 54.816 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032366.D

Acq: 06 Oct 2025 17:46

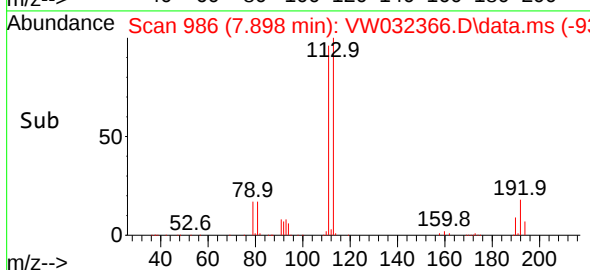
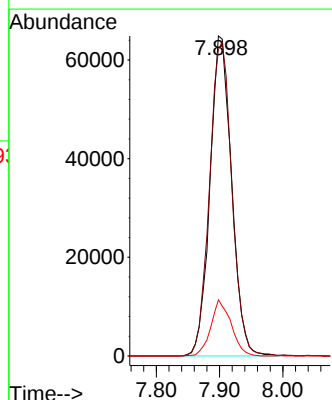
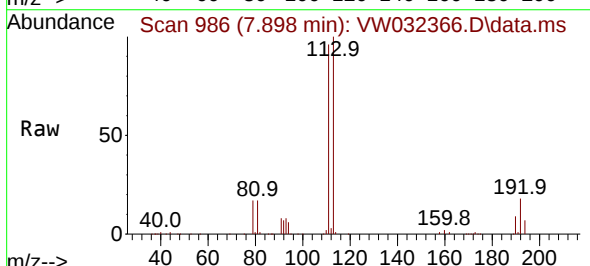
Tgt Ion:113 Resp: 154430

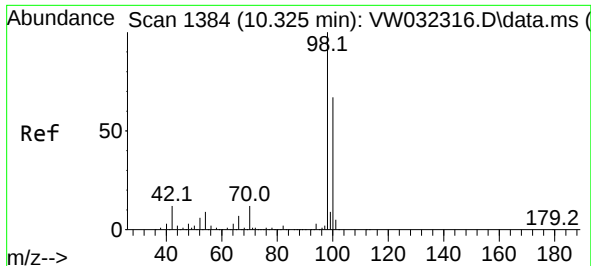
Ion Ratio Lower Upper

113 100

111 101.3 83.9 125.9

192 16.5 14.6 21.8

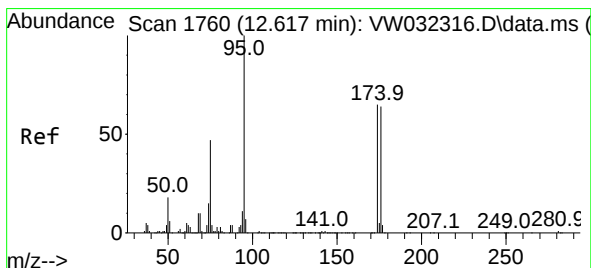
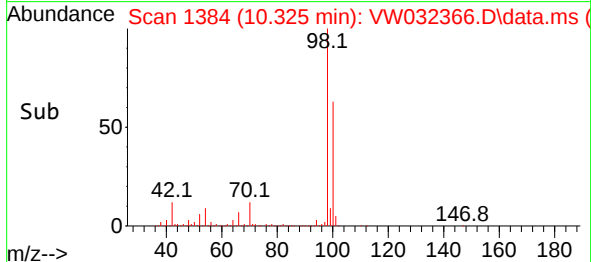
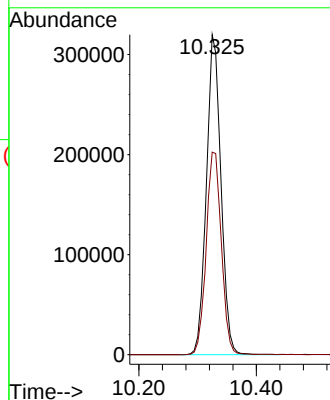
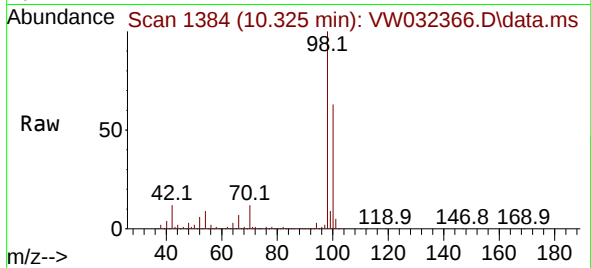




#50
Toluene-d8
Concen: 52.900 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

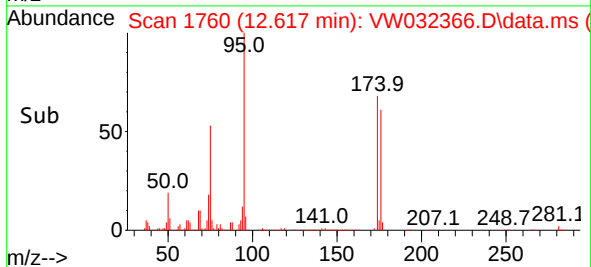
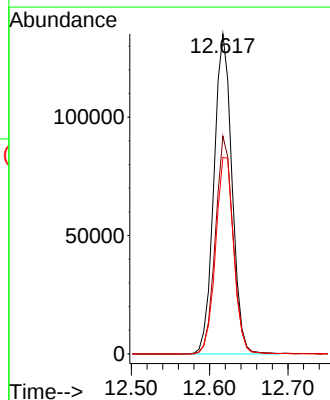
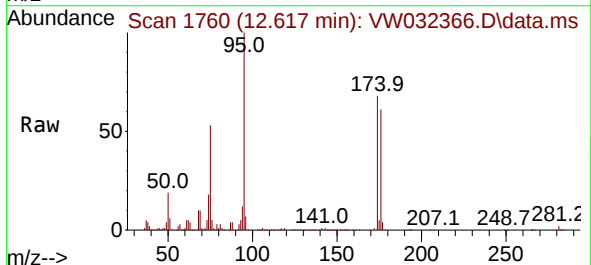
Instrument :
MSVOA_W
ClientSampleId :
TP1

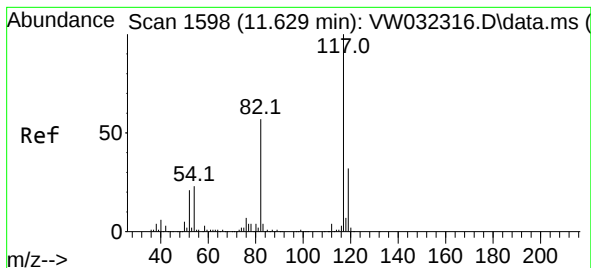
Tgt Ion: 98 Resp: 550037
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 55.058 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032366.D
Acq: 06 Oct 2025 17:46

Tgt Ion: 95 Resp: 216378
Ion Ratio Lower Upper
95 100
174 66.6 0.0 145.6
176 62.1 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: VW032366.D

Acq: 06 Oct 2025 17:46

Instrument :

MSVOA_W

ClientSampleId :

TP1

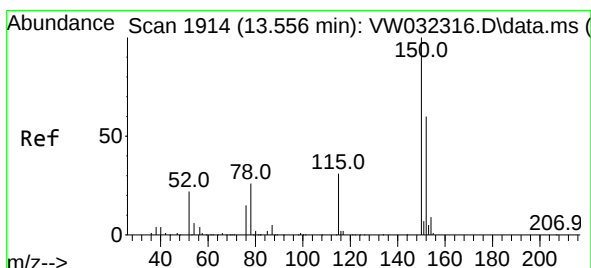
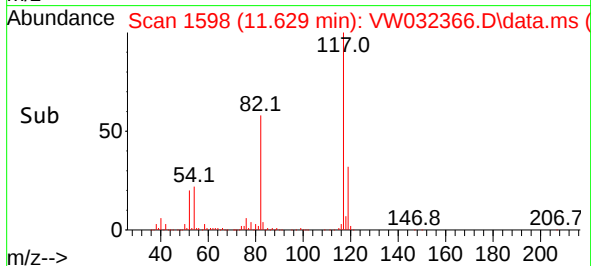
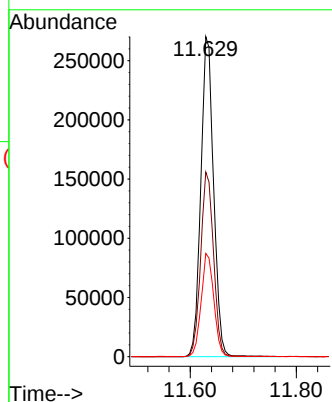
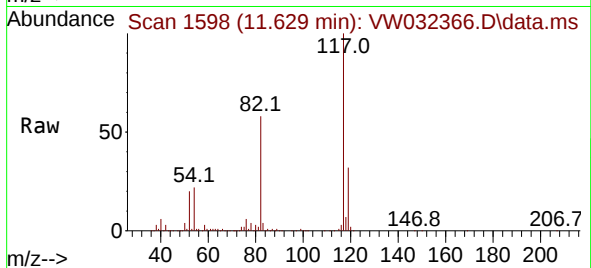
Tgt Ion:117 Resp: 452629

Ion Ratio Lower Upper

117 100

82 57.7 42.7 64.1

119 32.2 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: VW032366.D

Acq: 06 Oct 2025 17:46

Tgt Ion:152 Resp: 224343

Ion Ratio Lower Upper

152 100

115 67.1 31.8 95.4

150 158.7 0.0 343.0

