

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031907.D
 Acq On : 23 Jul 2025 12:58
 Operator : SY/MD
 Sample : Q2675-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SU-03-07222025

Quant Time: Jul 24 02:51:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	43664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	80614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	69517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	30958	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	28456	43.081	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	86.160%
35) Dibromofluoromethane	7.898	113	24221	44.216	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	88.440%
50) Toluene-d8	10.330	98	86804	41.870	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	83.740%
62) 4-Bromofluorobenzene	12.617	95	30873	38.782	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	77.560%

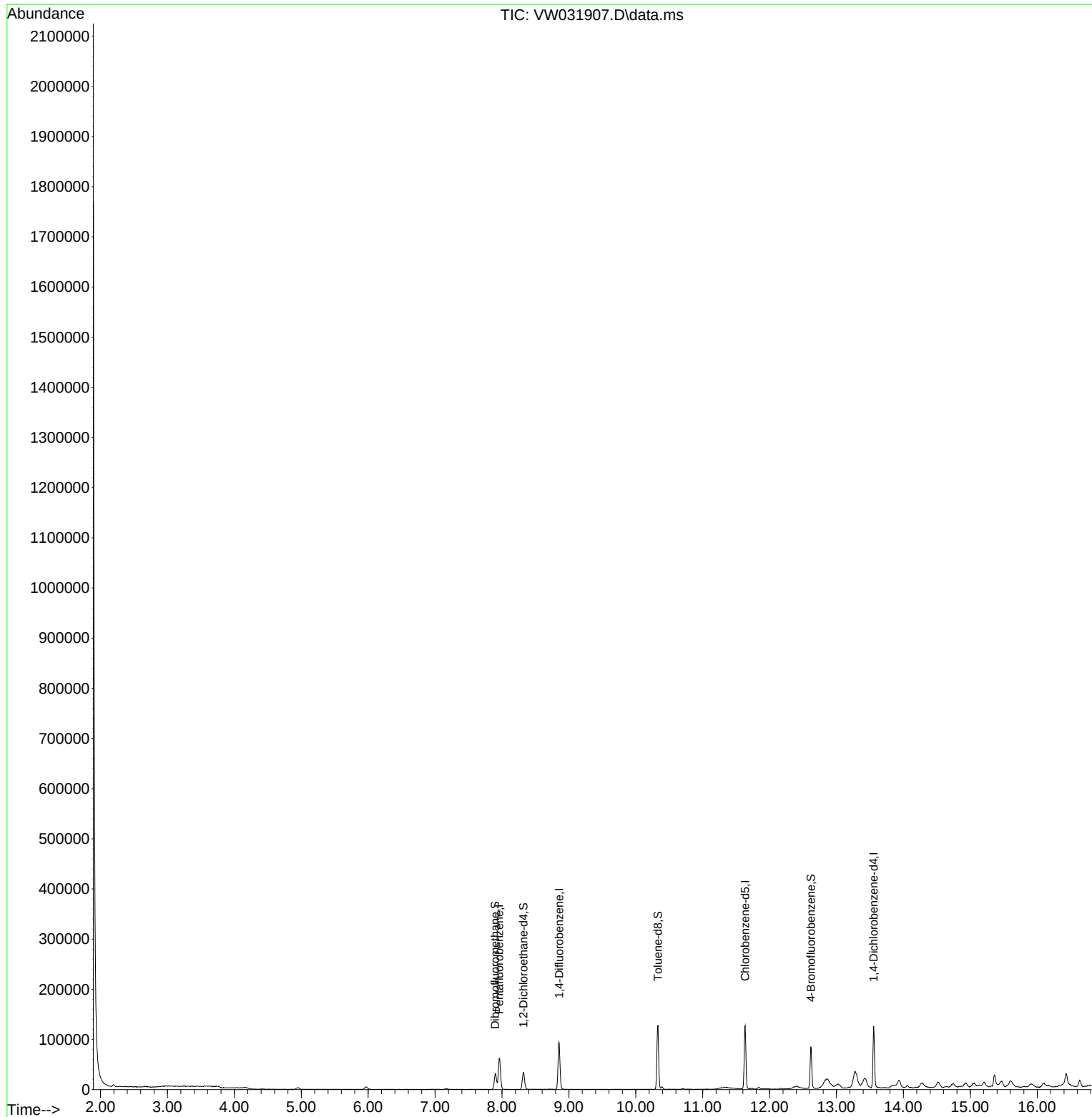
Target Compounds	Qvalue

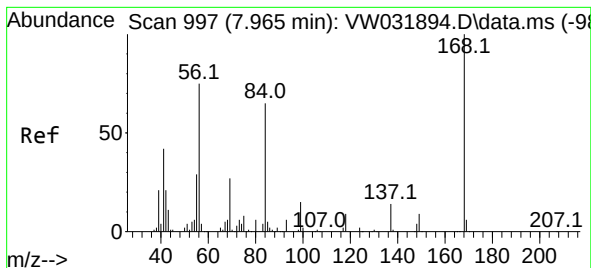
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 997

Delta R.T. -0.006 min

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Instrument :

MSVOA_W

ClientSampleId :

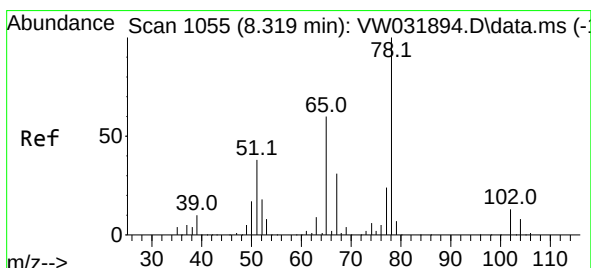
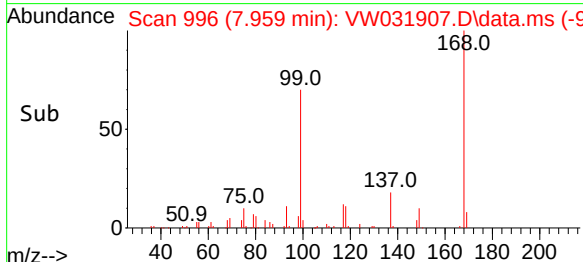
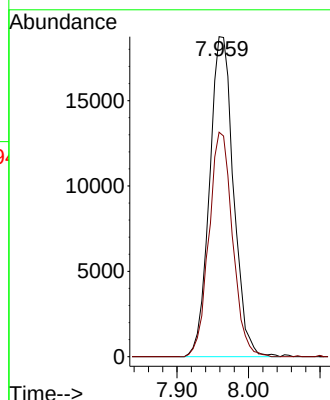
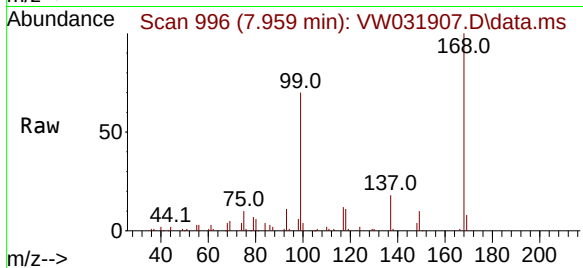
SU-03-07222025

Tgt Ion:168 Resp: 43664

Ion Ratio Lower Upper

168 100

99 70.2 48.2 72.2



#33

1,2-Dichloroethane-d4

Concen: 43.081 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW031907.D

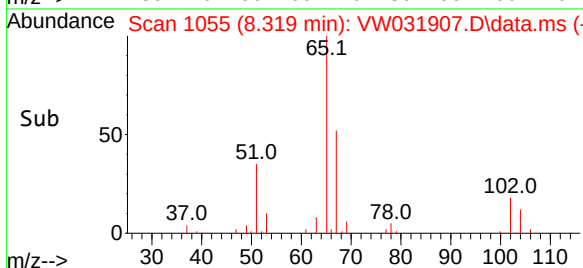
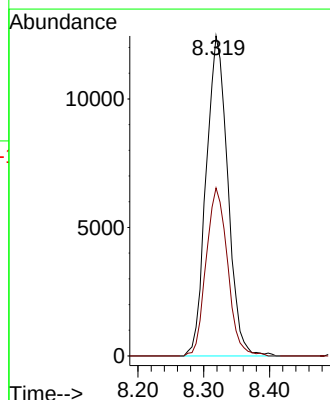
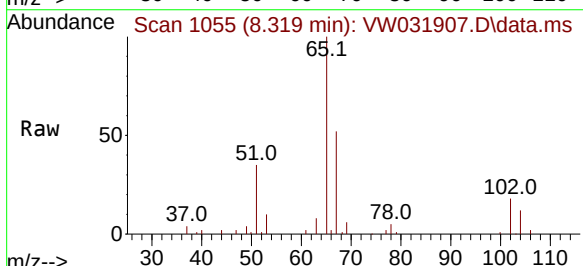
Acq: 23 Jul 2025 12:58

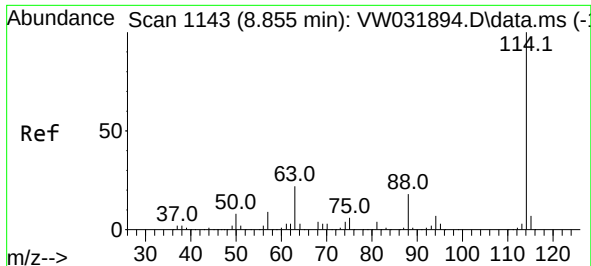
Tgt Ion: 65 Resp: 28456

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

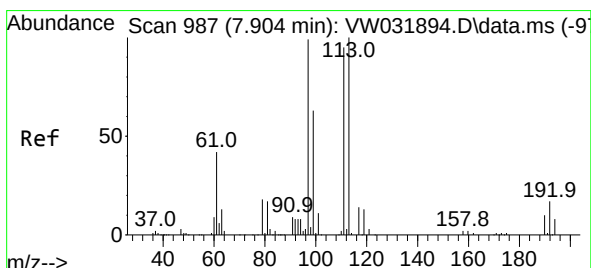
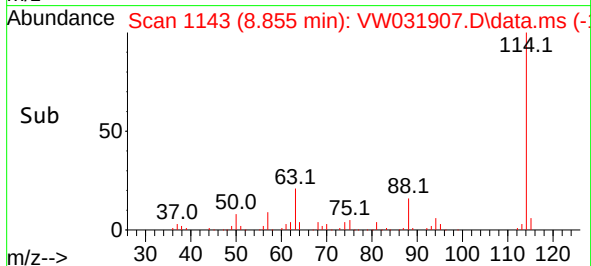
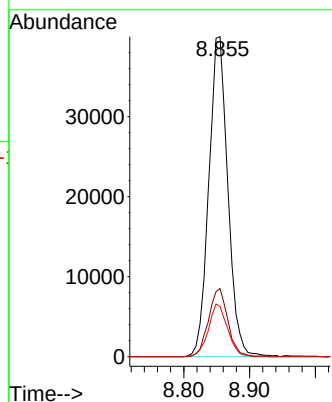
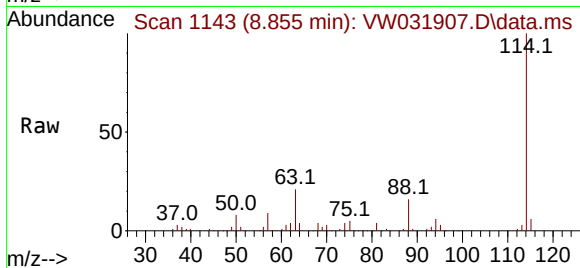
Instrument :

MSVOA_W

ClientSampleId :

SU-03-07222025

Tgt Ion:114	Resp:	80614
Ion Ratio	Lower	Upper
114	100	
63	21.3	0.0 44.2
88	15.7	0.0 35.6



#35

Dibromofluoromethane

Concen: 44.216 ug/l

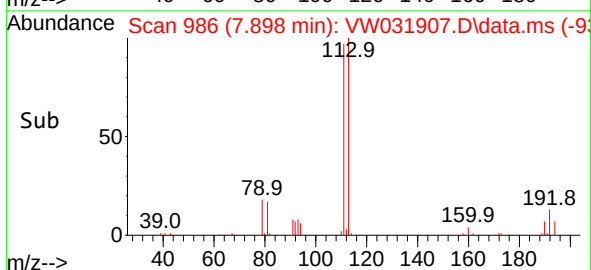
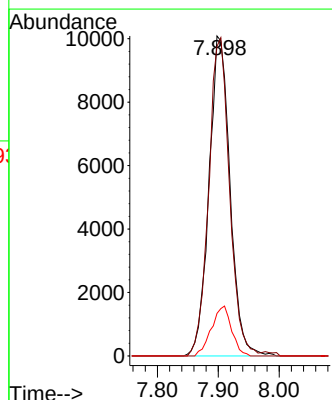
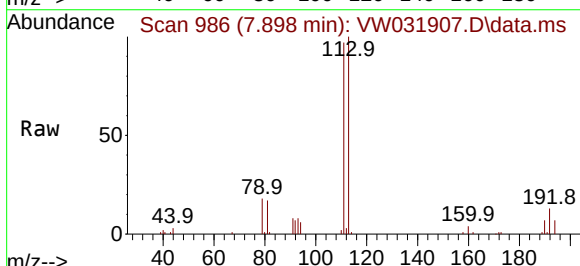
RT: 7.898 min Scan# 986

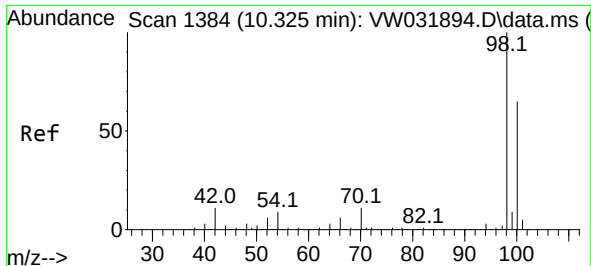
Delta R.T. -0.006 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

Tgt Ion:113	Resp:	24221
Ion Ratio	Lower	Upper
113	100	
111	98.4	79.9 119.9
192	14.9	12.6 19.0

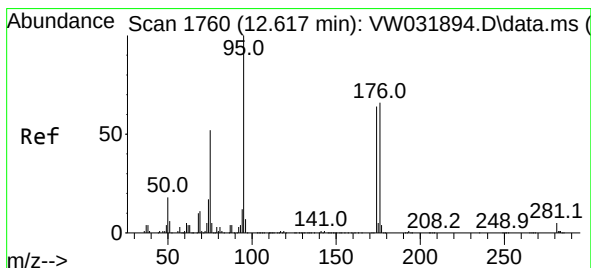
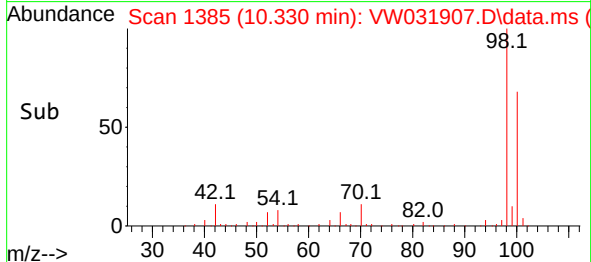
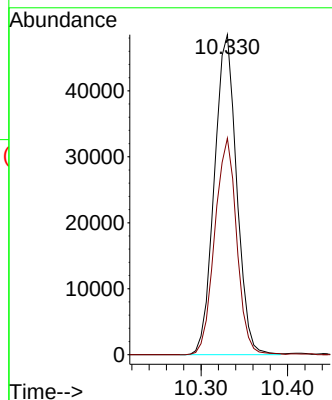
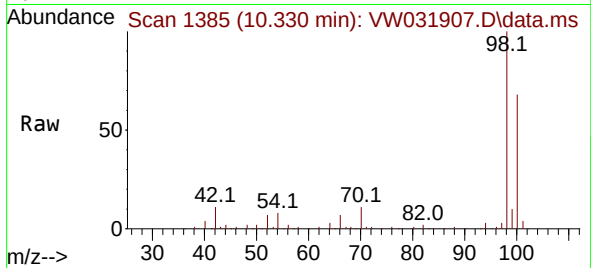




#50
Toluene-d8
Concen: 41.870 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

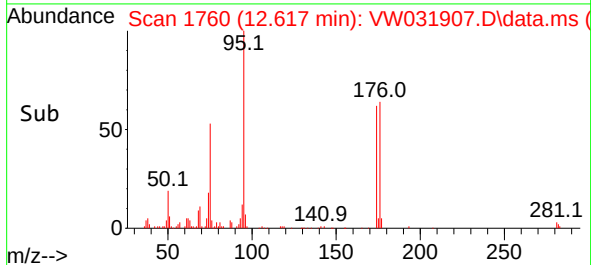
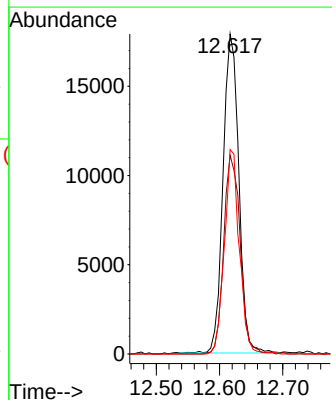
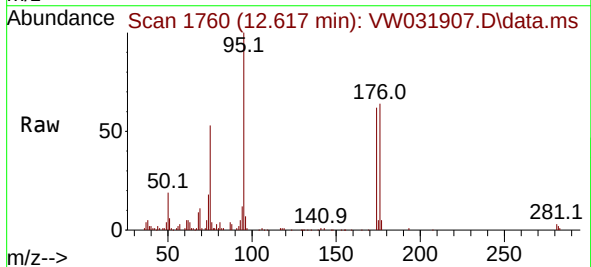
Instrument :
MSVOA_W
ClientSampleId :
SU-03-07222025

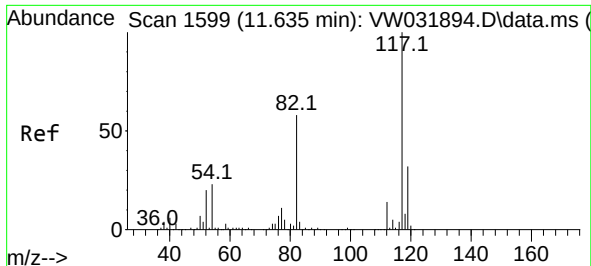
Tgt Ion: 98 Resp: 86804
Ion Ratio Lower Upper
98 100
100 66.5 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 38.782 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031907.D
Acq: 23 Jul 2025 12:58

Tgt Ion: 95 Resp: 30873
Ion Ratio Lower Upper
95 100
174 64.9 0.0 129.8
176 60.9 0.0 130.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

Instrument :

MSVOA_W

ClientSampleId :

SU-03-07222025

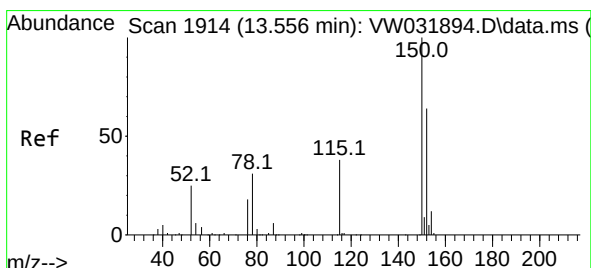
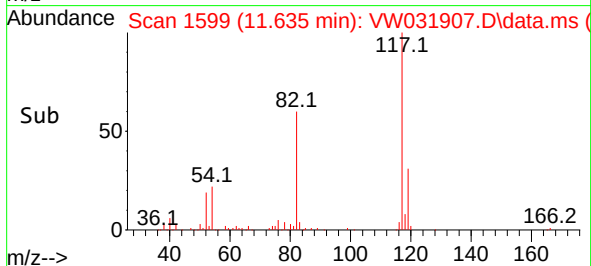
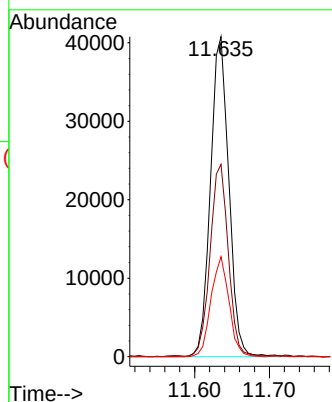
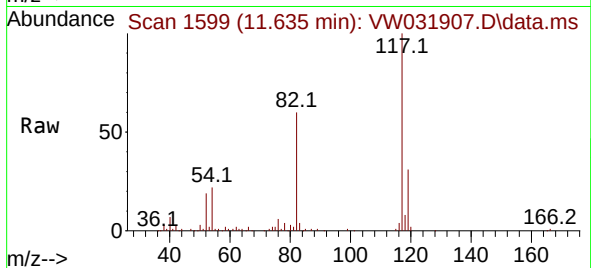
Tgt Ion:117 Resp: 69517

Ion Ratio Lower Upper

117 100

82 59.8 46.5 69.7

119 31.2 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031907.D

Acq: 23 Jul 2025 12:58

Tgt Ion:152 Resp: 30958

Ion Ratio Lower Upper

152 100

115 64.4 33.4 100.1

150 156.5 0.0 352.2

