

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032635.D
 Acq On : 11 Dec 2025 16:05
 Operator : SY/MD
 Sample : Q3826-11
 Misc : 3.17g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2

Quant Time: Dec 12 00:45:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 01:56:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	404583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	826061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	650466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	228355	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	445617	68.678	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	137.360%
35) Dibromofluoromethane	7.898	113	350971	58.981	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	117.960%
50) Toluene-d8	10.325	98	1189659	56.117	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	112.240%
62) 4-Bromofluorobenzene	12.617	95	357692	45.956	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	91.920%

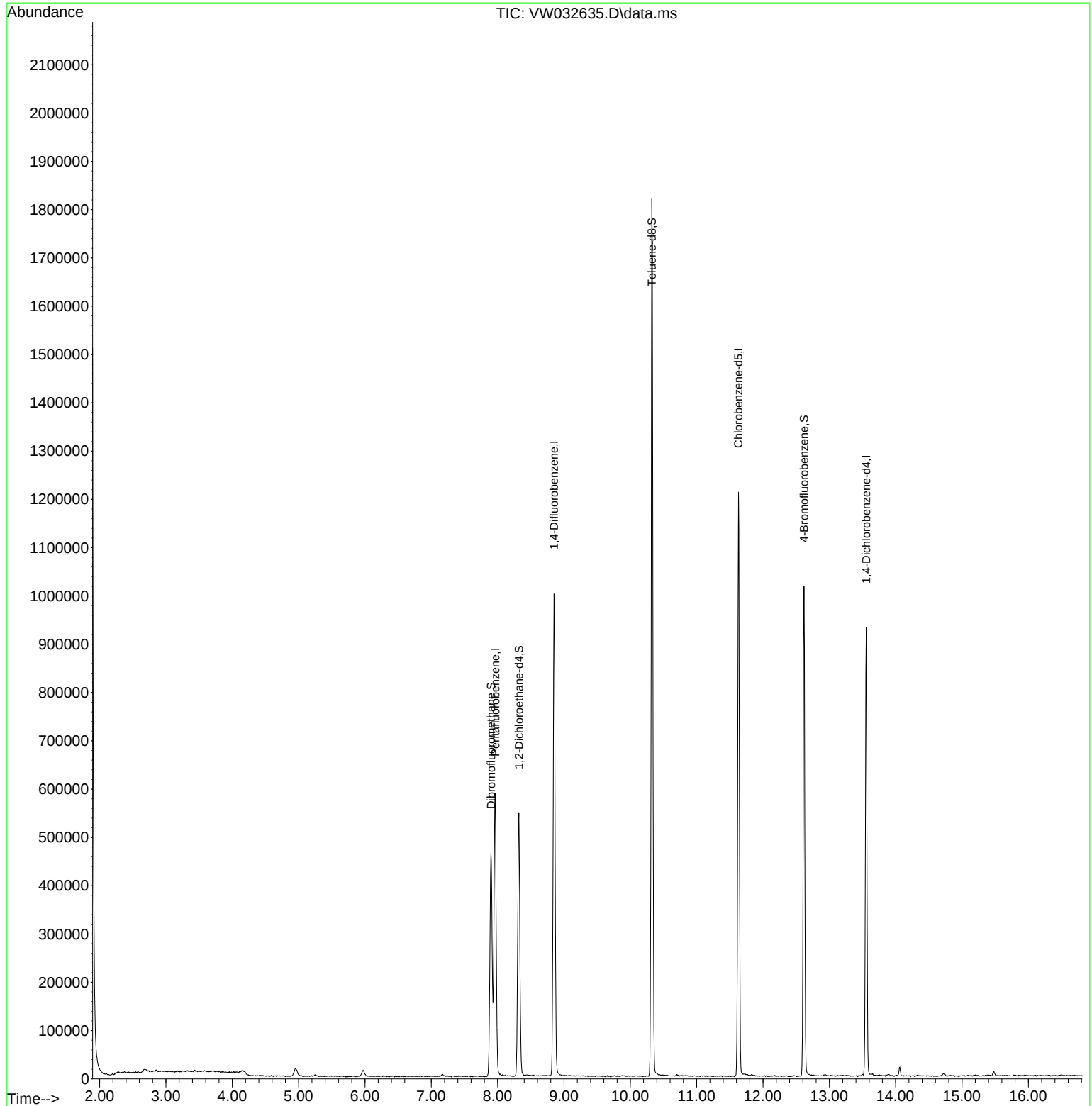
Target Compounds	Qvalue

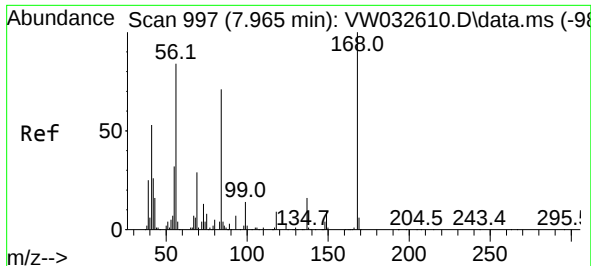
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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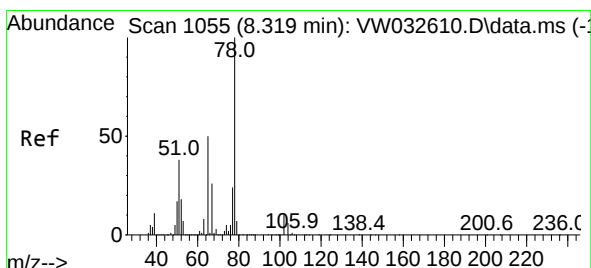
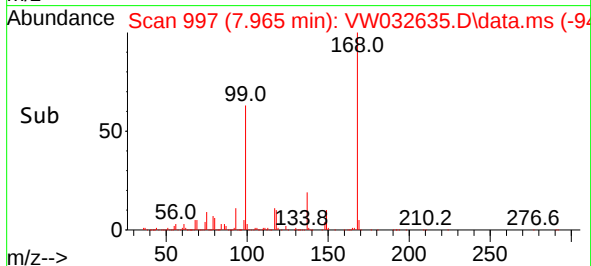
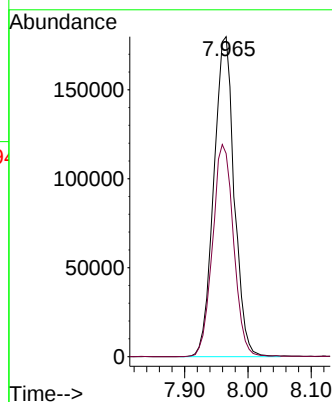
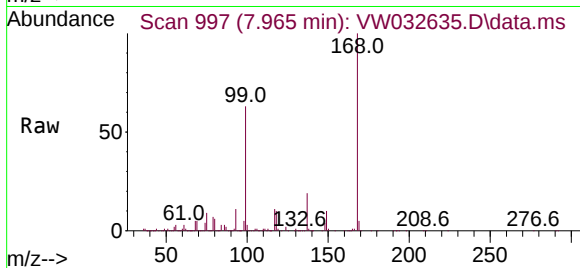




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032635.D
Acq: 11 Dec 2025 16:05

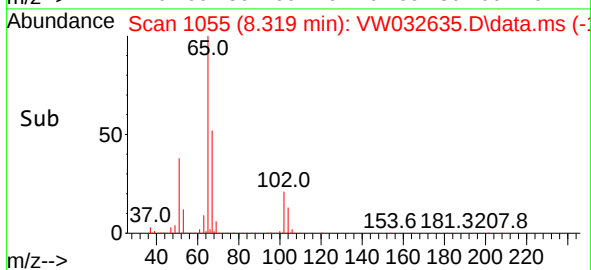
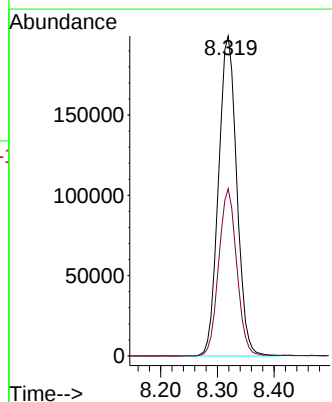
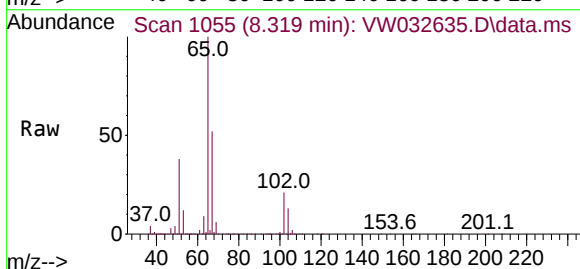
Instrument :
MSVOA_W
ClientSampleId :
TP-2

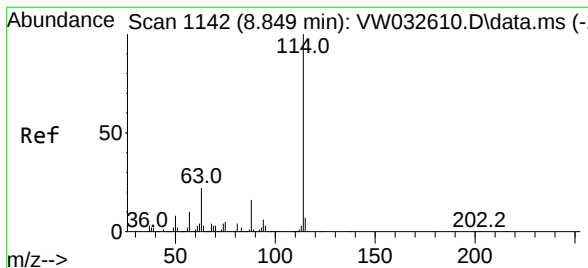
Tgt Ion:168 Resp: 404583
Ion Ratio Lower Upper
168 100
99 63.4 47.8 71.8



#33
1,2-Dichloroethane-d4
Concen: 68.678 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032635.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 65 Resp: 445617
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW032635.D

Acq: 11 Dec 2025 16:05

Instrument :

MSVOA_W

ClientSampleId :

TP-2

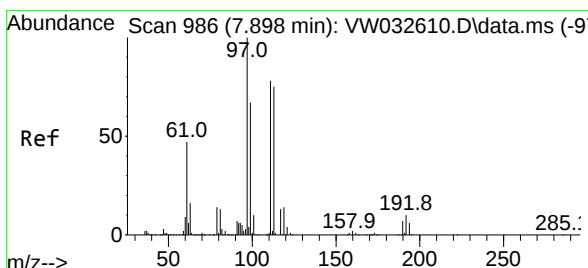
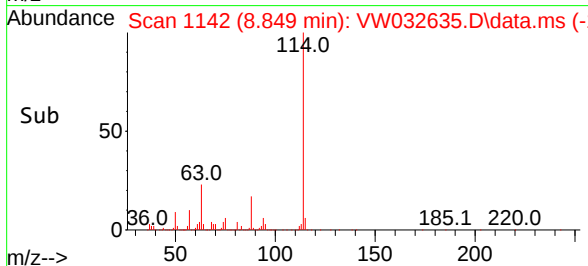
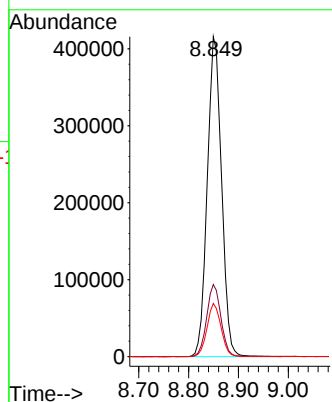
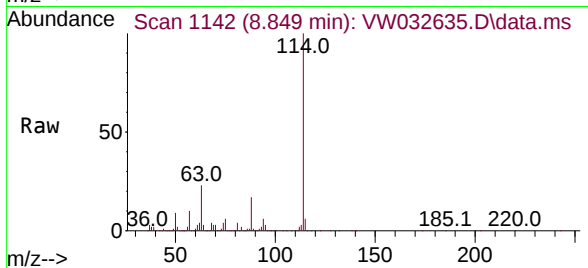
Tgt Ion:114 Resp: 826061

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 58.981 ug/l

RT: 7.898 min Scan# 986

Delta R.T. 0.000 min

Lab File: VW032635.D

Acq: 11 Dec 2025 16:05

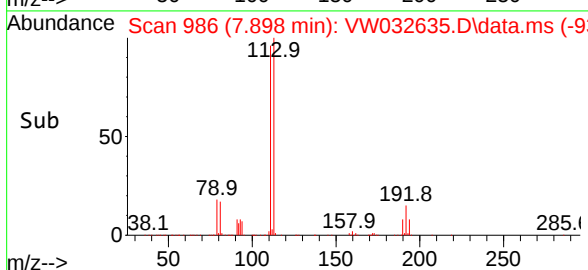
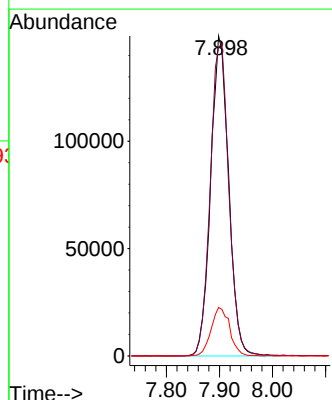
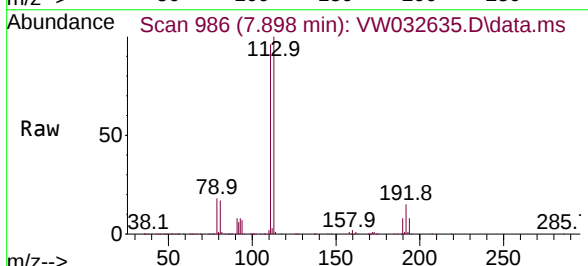
Tgt Ion:113 Resp: 350971

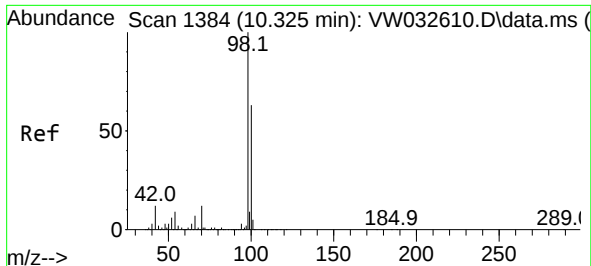
Ion Ratio Lower Upper

113 100

111 101.1 85.2 127.8

192 15.7 13.3 19.9

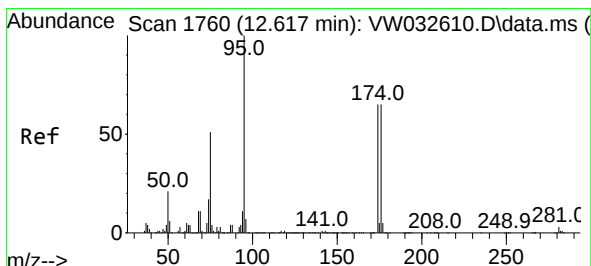
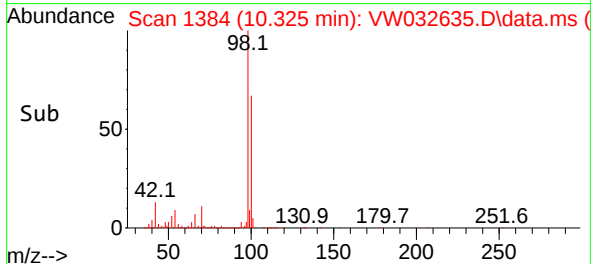
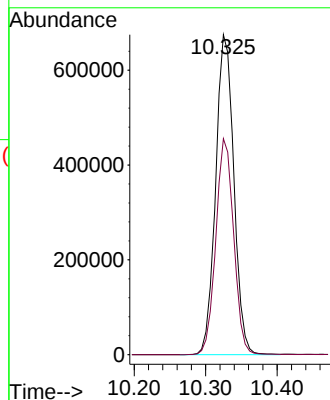
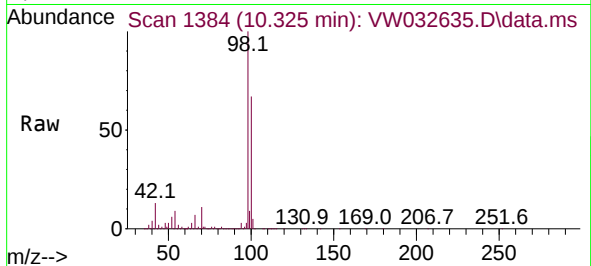




#50
Toluene-d8
Concen: 56.117 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032635.D
Acq: 11 Dec 2025 16:05

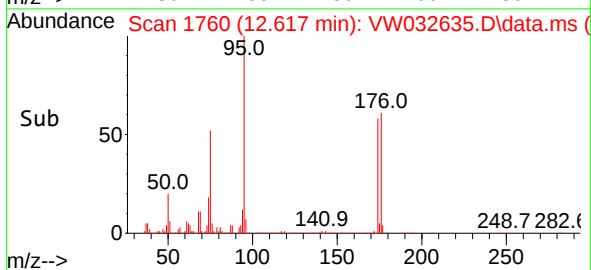
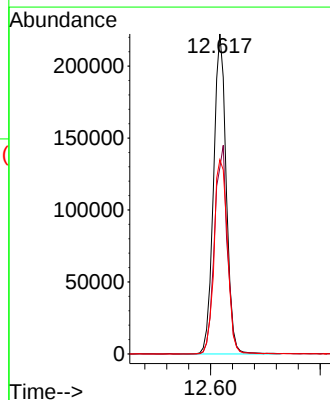
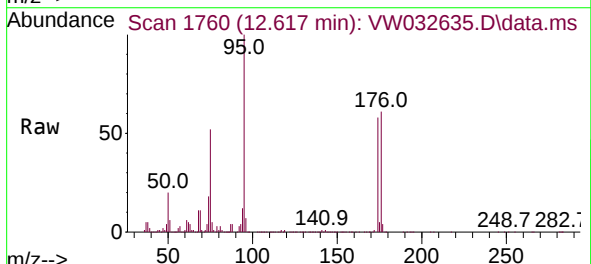
Instrument :
MSVOA_W
ClientSampleId :
TP-2

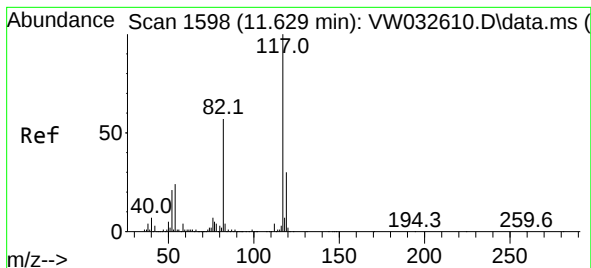
Tgt Ion: 98 Resp: 1189659
Ion Ratio Lower Upper
98 100
100 66.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 45.956 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032635.D
Acq: 11 Dec 2025 16:05

Tgt Ion: 95 Resp: 357692
Ion Ratio Lower Upper
95 100
174 65.5 0.0 135.0
176 64.3 0.0 123.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW032635.D

Acq: 11 Dec 2025 16:05

Instrument :

MSVOA_W

ClientSampleId :

TP-2

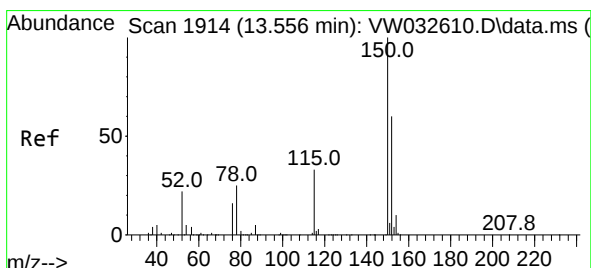
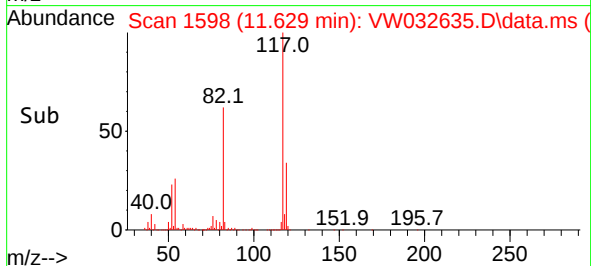
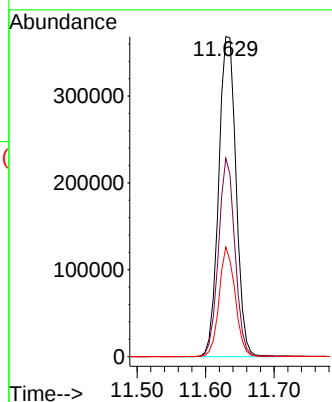
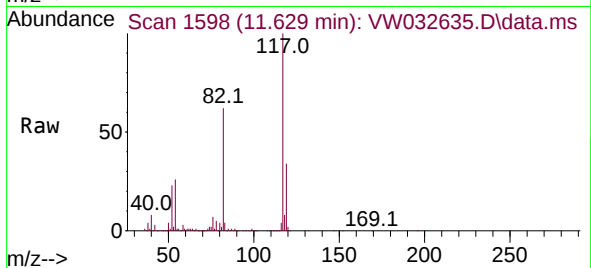
Tgt Ion:117 Resp: 650466

Ion Ratio Lower Upper

117 100

82 62.0 45.5 68.3

119 34.2 23.8 35.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. 0.000 min

Lab File: VW032635.D

Acq: 11 Dec 2025 16:05

Tgt Ion:152 Resp: 228355

Ion Ratio Lower Upper

152 100

115 64.3 33.8 101.3

150 156.1 0.0 369.4

