

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121125\
 Data File : VW032638.D
 Acq On : 11 Dec 2025 17:10
 Operator : SY/MD
 Sample : Q3814-05
 Misc : 4.80g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-7

Quant Time: Dec 12 00:46:43 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	429774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	854206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	727989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	309432	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	338834	50.132	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	100.260%
35) Dibromofluoromethane	7.898	113	274158	45.360	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.720%
50) Toluene-d8	10.324	98	976924	44.563	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.120%
62) 4-Bromofluorobenzene	12.617	95	315692	39.223	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	78.440%

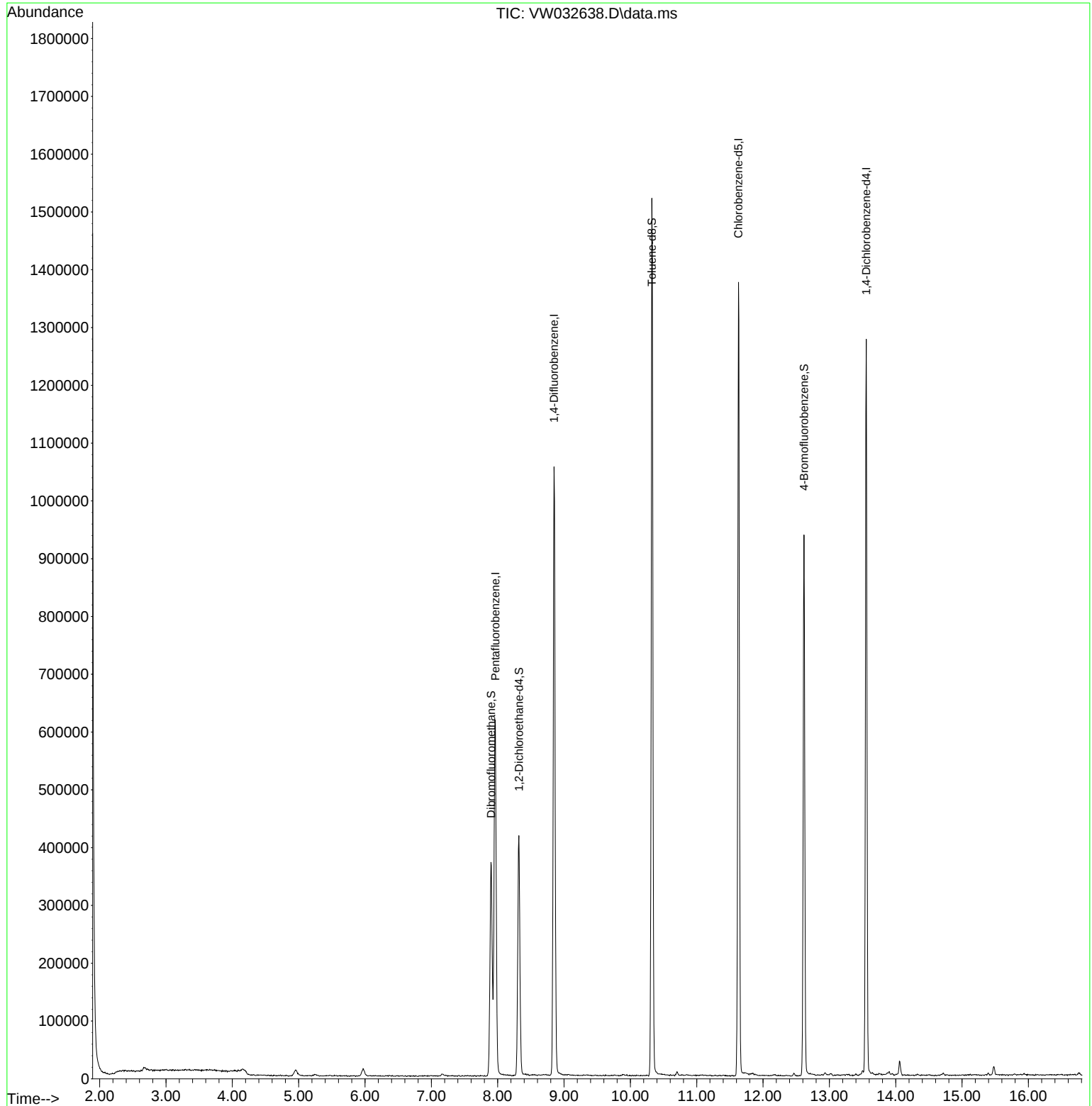
Target Compounds	Qvalue

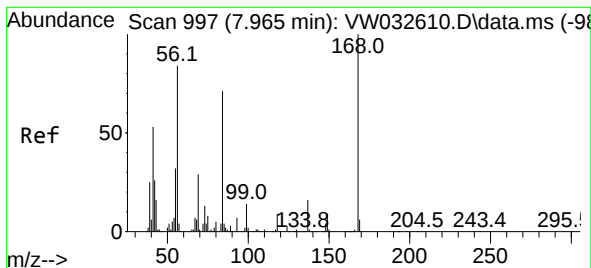
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW032638.D

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Instrument :

MSVOA_W

ClientSampleId :

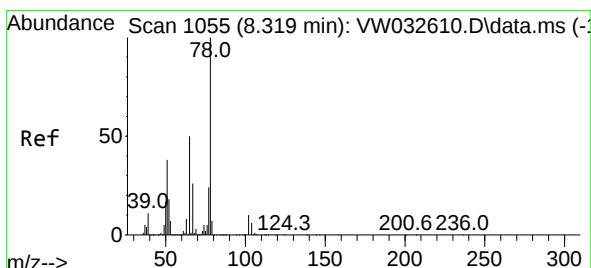
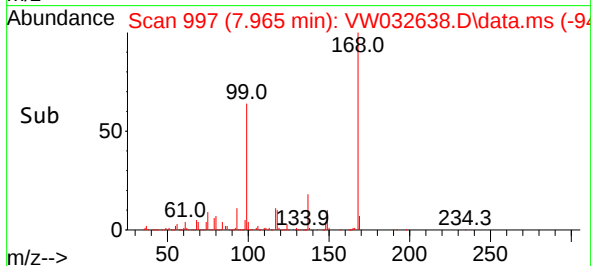
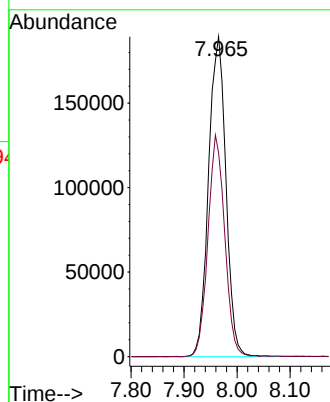
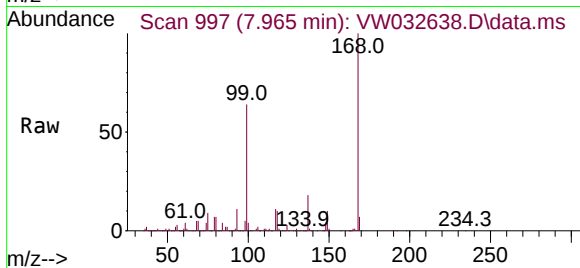
TP-7

Tgt Ion:168 Resp: 429774

Ion Ratio Lower Upper

168 100

99 63.7 47.8 71.8



#33

1,2-Dichloroethane-d4

Concen: 50.132 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032638.D

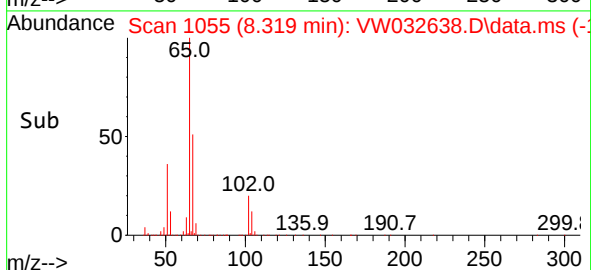
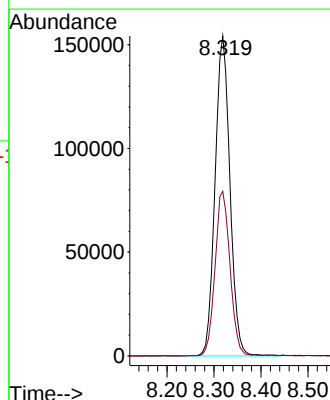
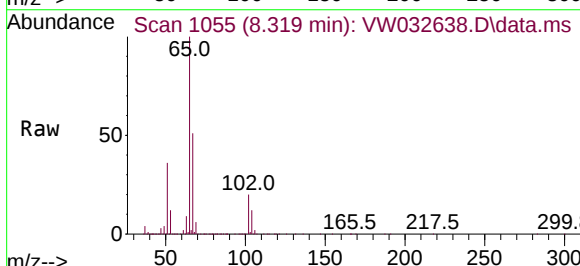
Acq: 11 Dec 2025 17:10

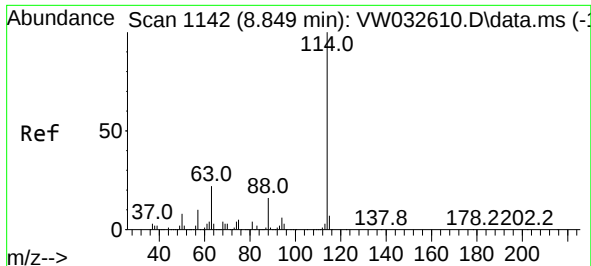
Tgt Ion: 65 Resp: 338834

Ion Ratio Lower Upper

65 100

67 51.8 0.0 105.6

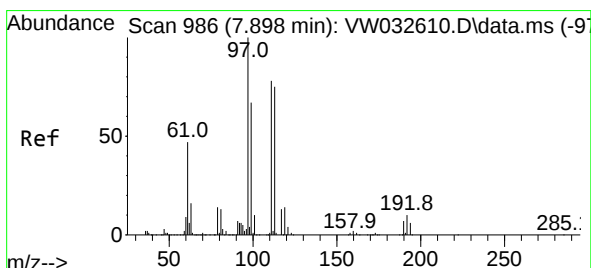
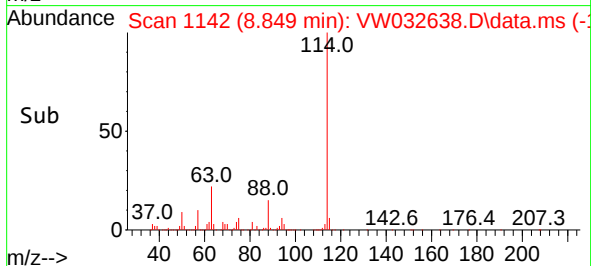
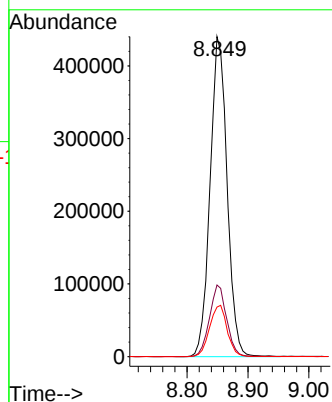
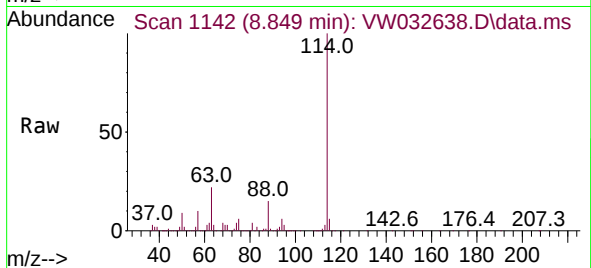




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VW032638.D
Acq: 11 Dec 2025 17:10

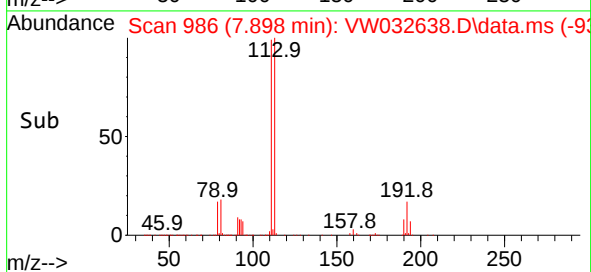
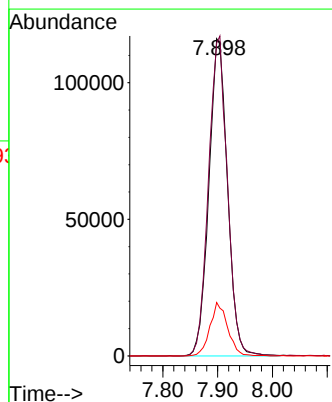
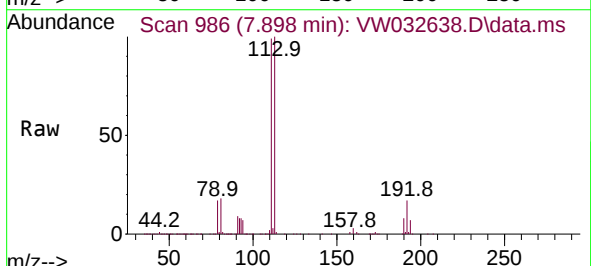
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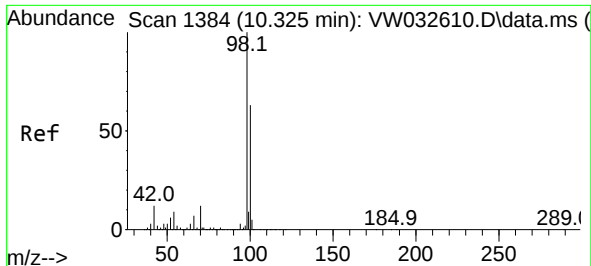
Tgt Ion:114 Resp: 854206
Ion Ratio Lower Upper
114 100
63 22.3 0.0 44.6
88 15.5 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.360 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.000 min
Lab File: VW032638.D
Acq: 11 Dec 2025 17:10

Tgt Ion:113 Resp: 274158
Ion Ratio Lower Upper
113 100
111 102.2 85.2 127.8
192 16.0 13.3 19.9

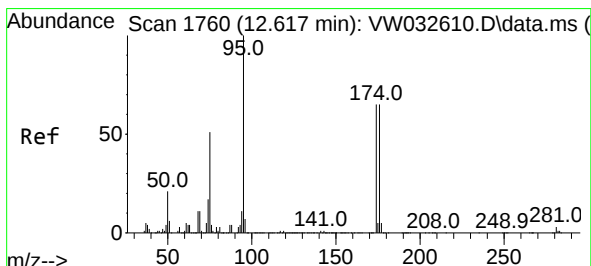
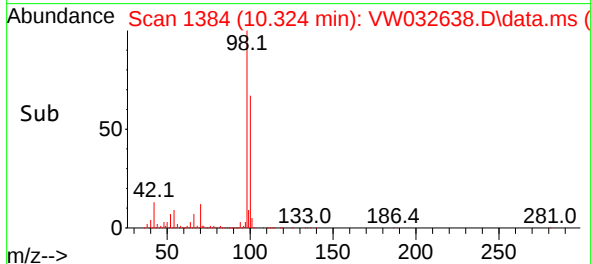
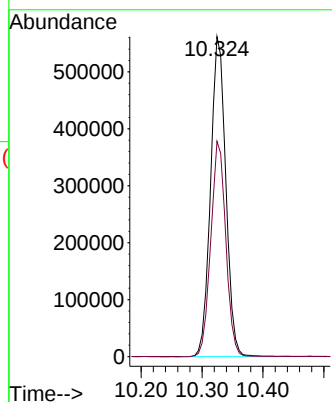
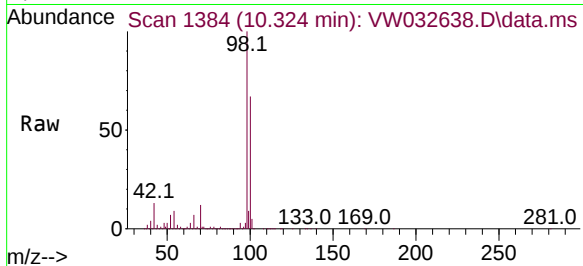




#50
Toluene-d8
Concen: 44.563 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032638.D
Acq: 11 Dec 2025 17:10

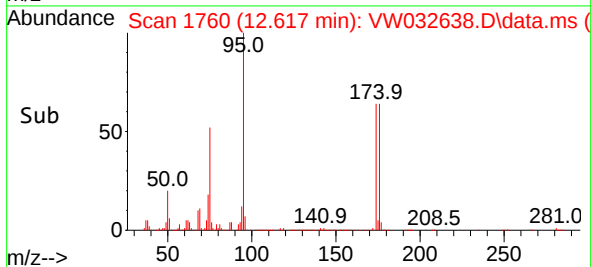
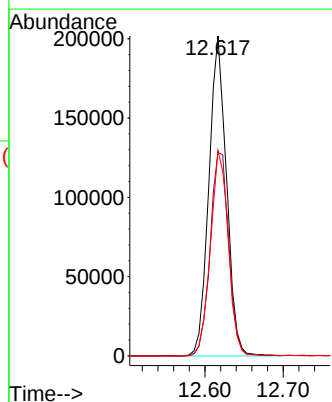
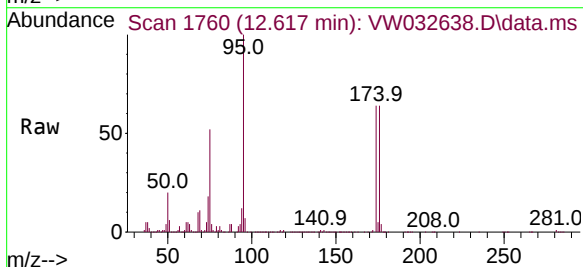
Instrument :
MSVOA_W
ClientSampleId :
TP-7

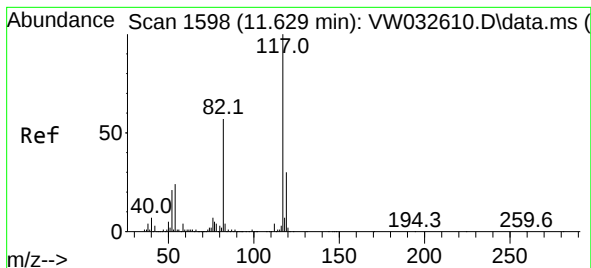
Tgt Ion: 98 Resp: 976924
Ion Ratio Lower Upper
98 100
100 66.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 39.223 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032638.D
Acq: 11 Dec 2025 17:10

Tgt Ion: 95 Resp: 315692
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.0
176 65.3 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: VW032638.D

Acq: 11 Dec 2025 17:10

Instrument :

MSVOA_W

ClientSampleId :

TP-7

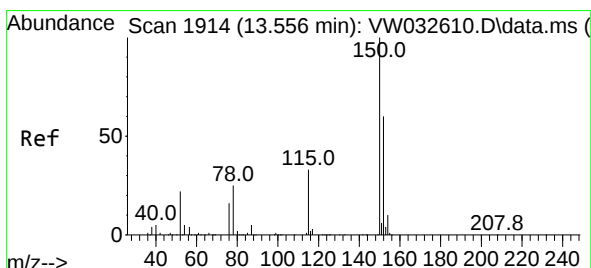
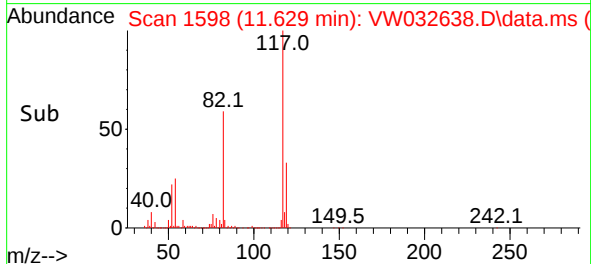
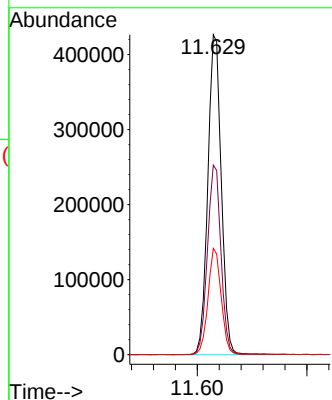
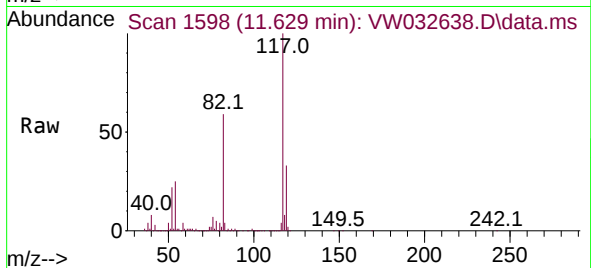
Tgt Ion:117 Resp: 727989

Ion Ratio Lower Upper

117 100

82 59.2 45.5 68.3

119 33.2 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: VW032638.D

Acq: 11 Dec 2025 17:10

Tgt Ion:152 Resp: 309432

Ion Ratio Lower Upper

152 100

115 66.3 33.8 101.3

150 162.0 0.0 369.4

