

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW102025\
 Data File : VW032402.D
 Acq On : 20 Oct 2025 20:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Oct 21 01:36:43 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	7.959	168	231542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	509285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	508688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	270773	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	197463	58.470	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	116.940%
35) Dibromofluoromethane	7.904	113	174663	52.957	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	105.920%
50) Toluene-d8	10.325	98	657182	53.987	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	107.980%
62) 4-Bromofluorobenzene	12.617	95	496613	107.937	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	215.880%#

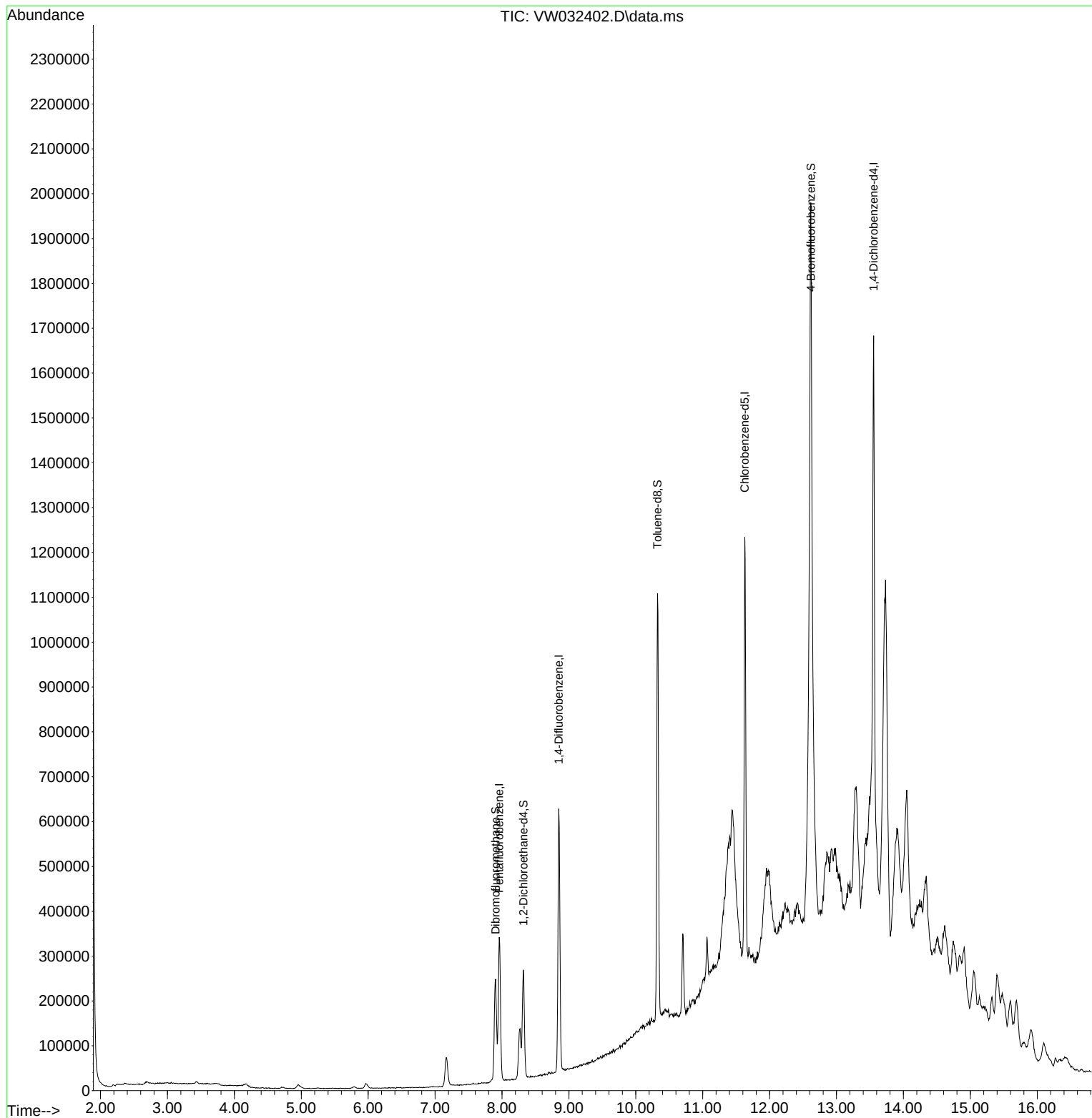
Target Compounds	Qvalue

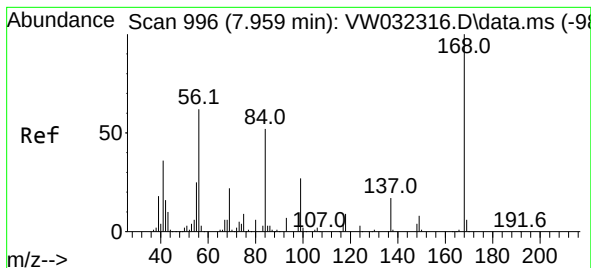
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW032402.D

Acq: 20 Oct 2025 20:04

Instrument :

MSVOA_W

ClientSampleId :

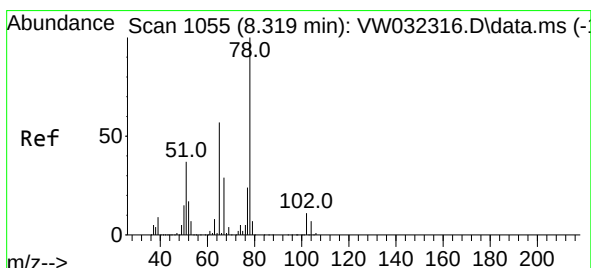
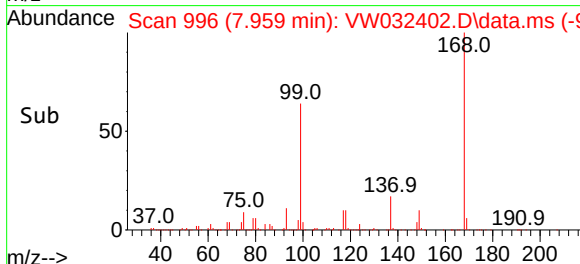
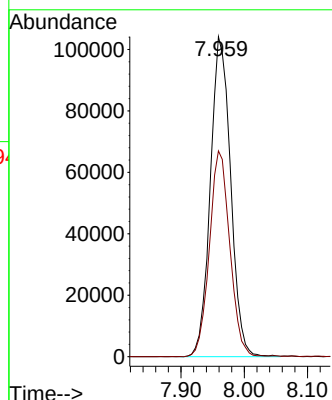
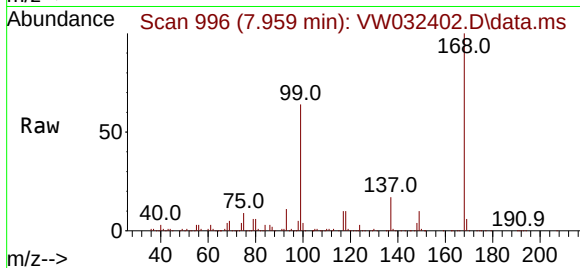
VIBLK

Tgt Ion:168 Resp: 231542

Ion Ratio Lower Upper

168 100

99 64.3 49.3 73.9



#33

1,2-Dichloroethane-d4

Concen: 58.470 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032402.D

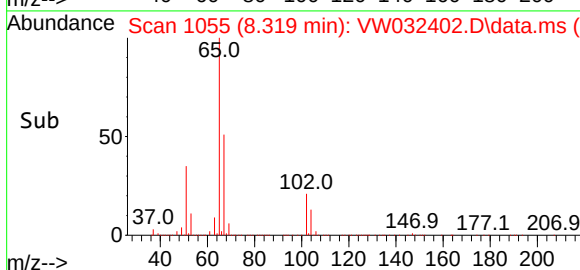
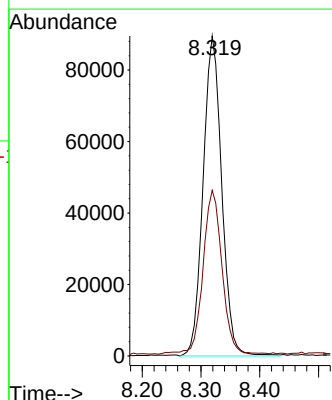
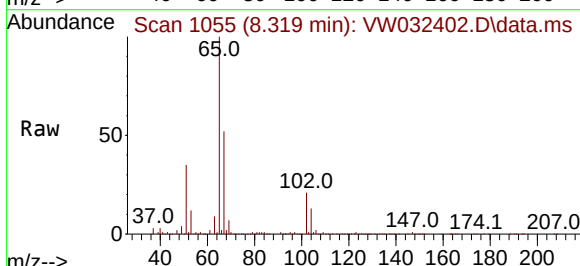
Acq: 20 Oct 2025 20:04

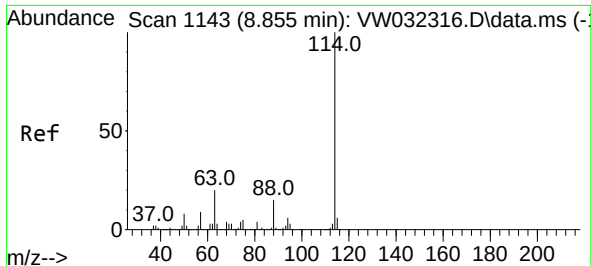
Tgt Ion: 65 Resp: 197463

Ion Ratio Lower Upper

65 100

67 52.1 0.0 99.6

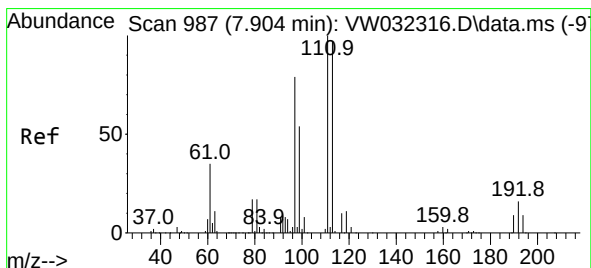
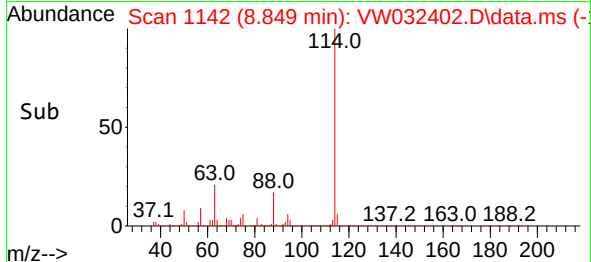
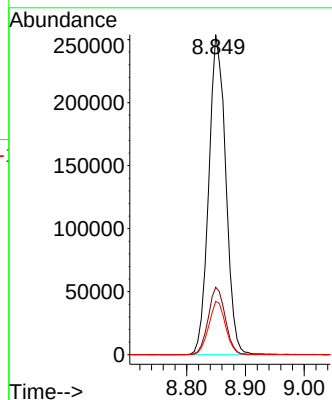
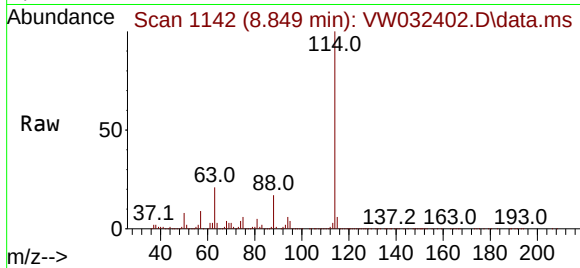




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1143
 Delta R.T. -0.006 min
 Lab File: VW032402.D
 Acq: 20 Oct 2025 20:04

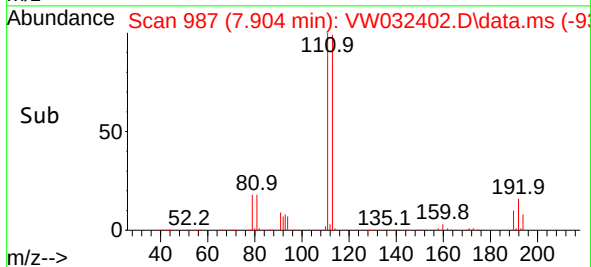
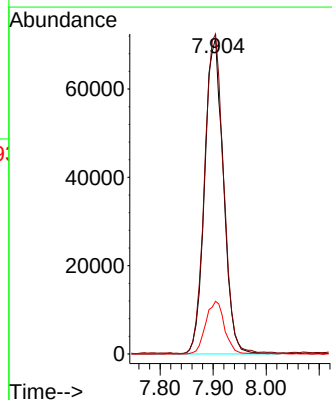
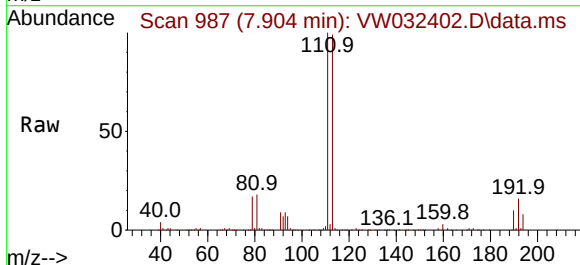
Instrument :
 MSVOA_W
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 VIBLK

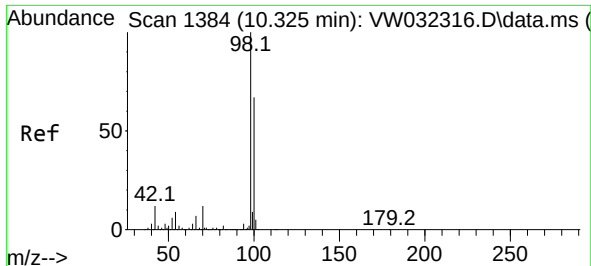
Tgt Ion:114 Resp: 509285
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.4
 88 16.7 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 52.957 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: VW032402.D
 Acq: 20 Oct 2025 20:04

Tgt Ion:113 Resp: 174663
 Ion Ratio Lower Upper
 113 100
 111 102.6 83.9 125.9
 192 16.8 14.6 21.8

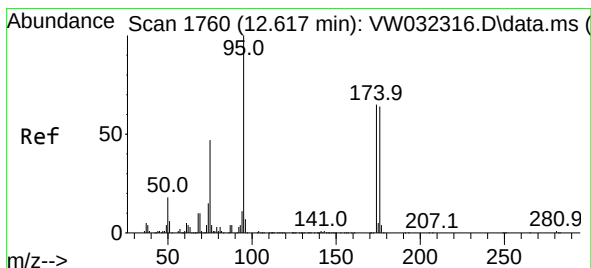
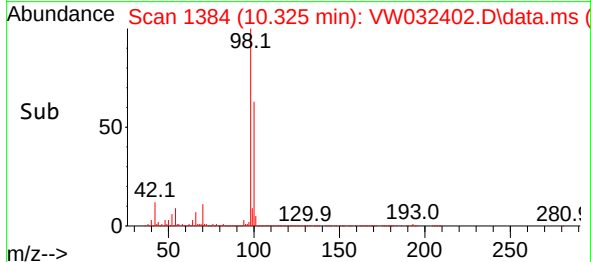
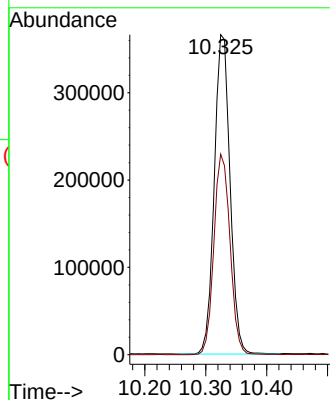
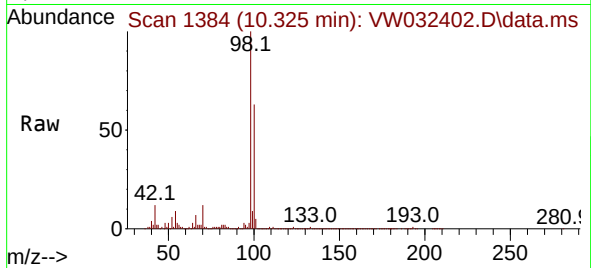




#50
Toluene-d8
Concen: 53.987 ug/l
RT: 10.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032402.D
Acq: 20 Oct 2025 20:04

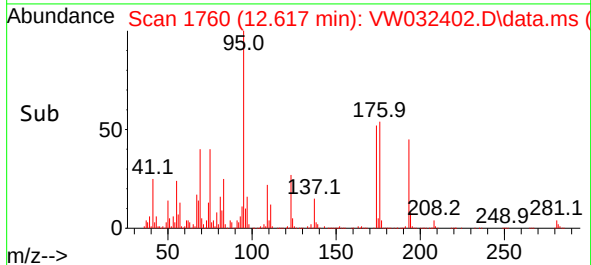
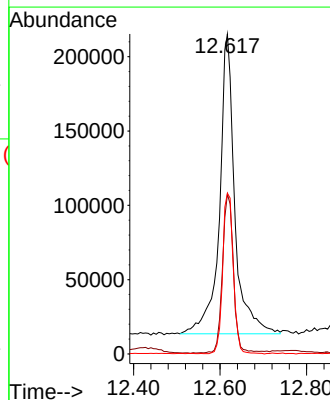
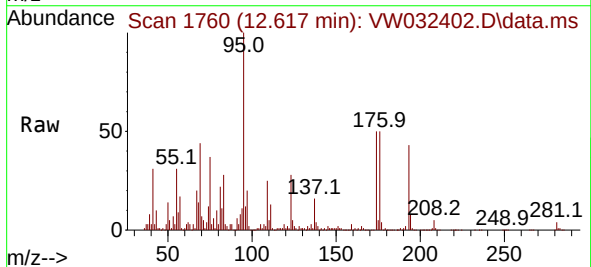
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

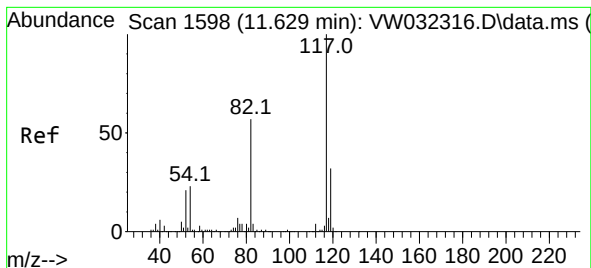
Tgt Ion: 98 Resp: 657182
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 107.937 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032402.D
Acq: 20 Oct 2025 20:04

Tgt Ion: 95 Resp: 496613
Ion Ratio Lower Upper
95 100
174 38.0 0.0 145.6
176 37.3 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: VW032402.D

Acq: 20 Oct 2025 20:04

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

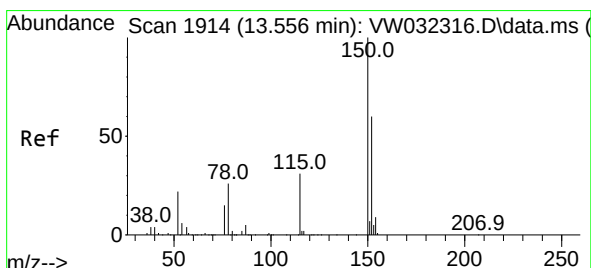
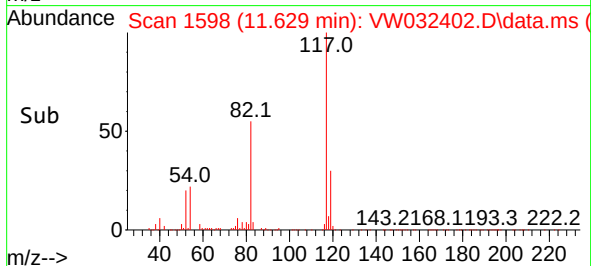
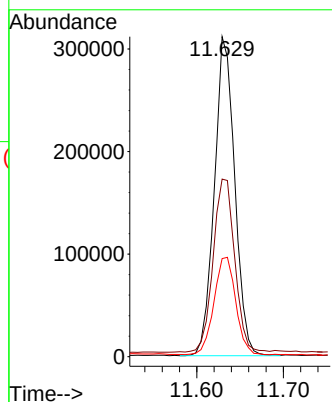
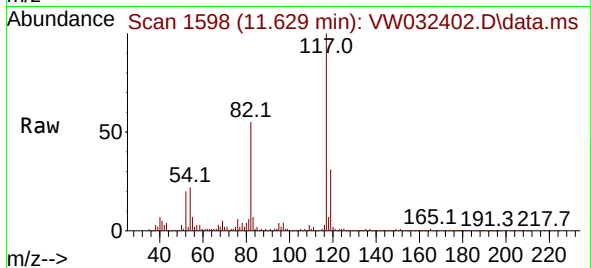
Tgt Ion:117 Resp: 508688

Ion Ratio Lower Upper

117 100

82 54.1 42.7 64.1

119 30.1 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: VW032402.D

Acq: 20 Oct 2025 20:04

Tgt Ion:152 Resp: 270773

Ion Ratio Lower Upper

152 100

115 63.3 31.8 95.4

150 151.4 0.0 343.0

