

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092525\
 Data File : VW032264.D
 Acq On : 25 Sep 2025 13:46
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VIBLK

Quant Time: Sep 26 07:14:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	212884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	466730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	453812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	219189	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	189923	56.501	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.000%
35) Dibromofluoromethane	7.904	113	158594	47.249	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.500%
50) Toluene-d8	10.325	98	587548	48.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	97.140%
62) 4-Bromofluorobenzene	12.617	95	199346	43.687	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	87.380%

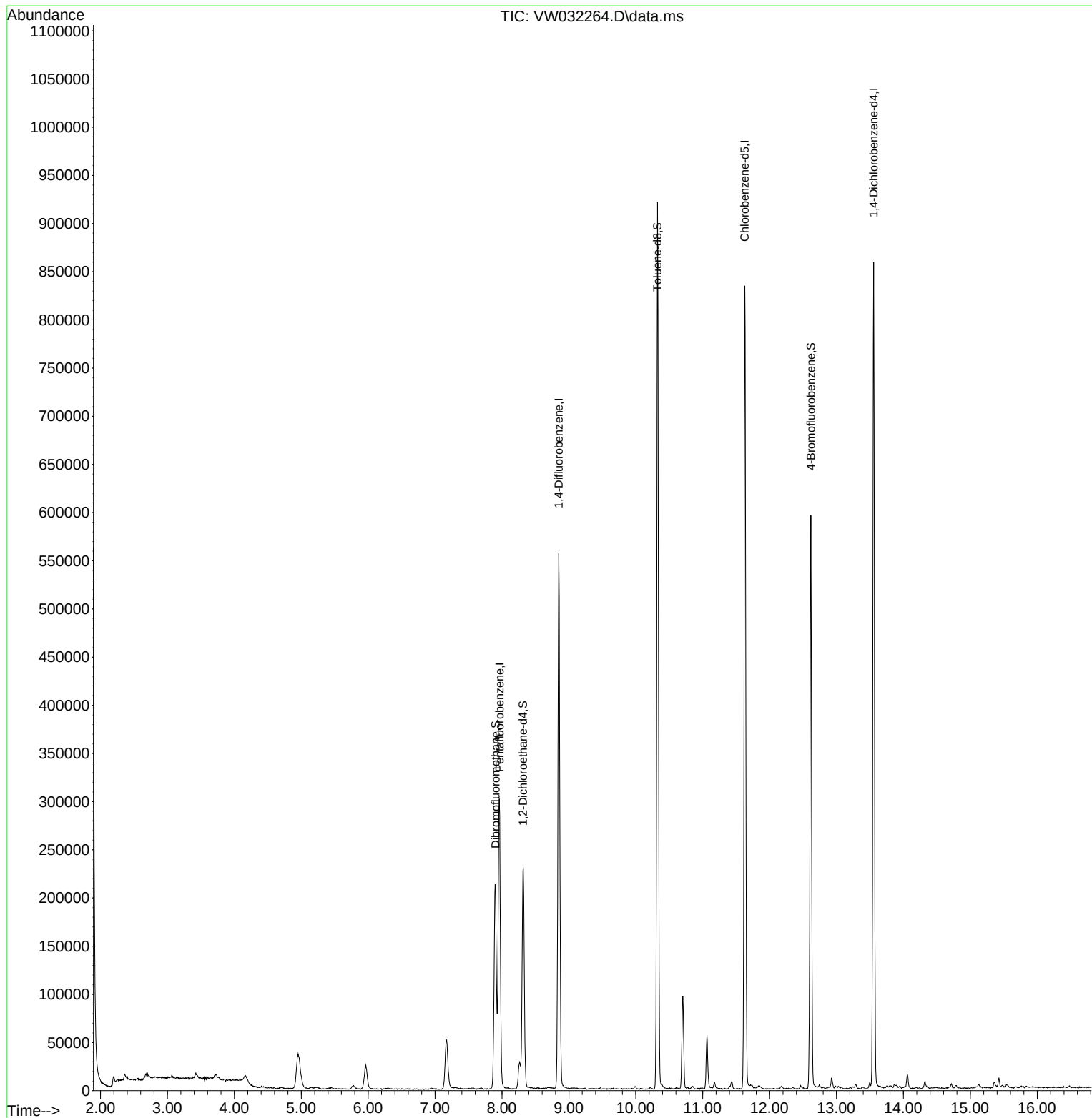
Target Compounds	Qvalue

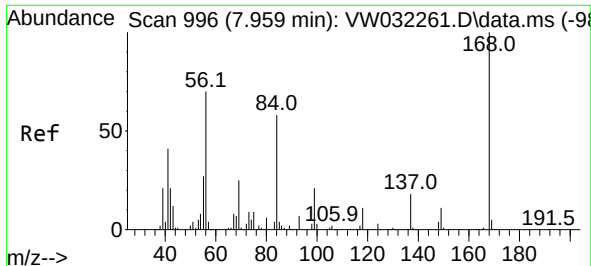
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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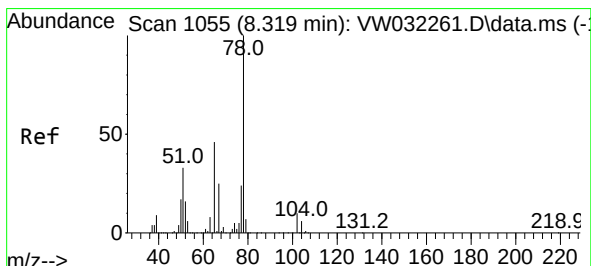
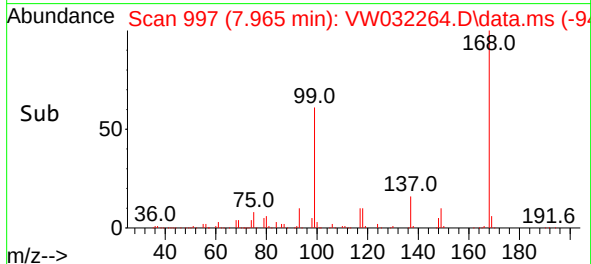
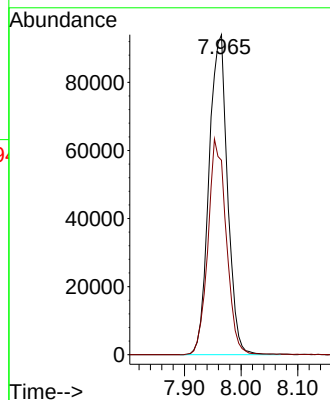
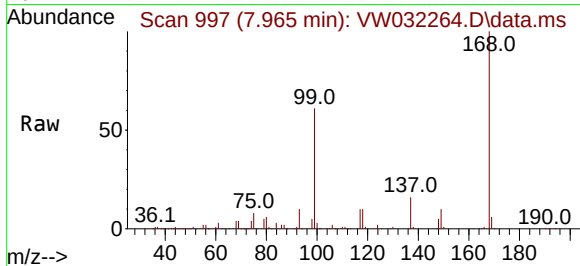




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

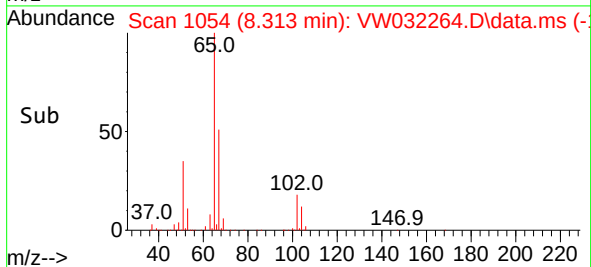
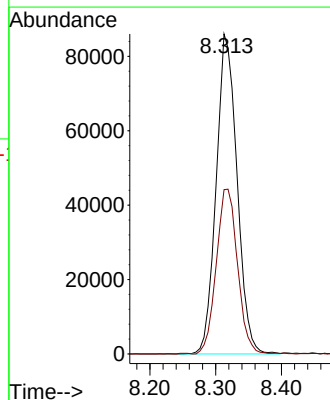
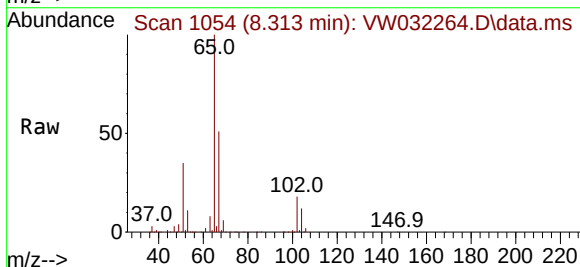
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

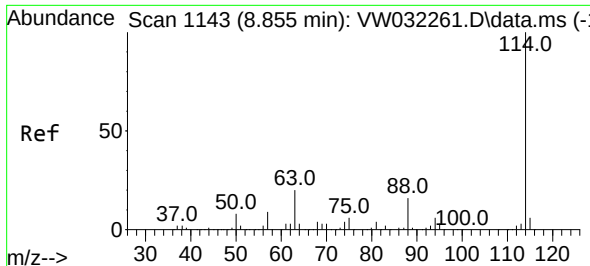
Tgt Ion:168 Resp: 212884
Ion Ratio Lower Upper
168 100
99 60.8 55.0 82.4



#33
1,2-Dichloroethane-d4
Concen: 56.501 ug/l
RT: 8.313 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 65 Resp: 189923
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.8

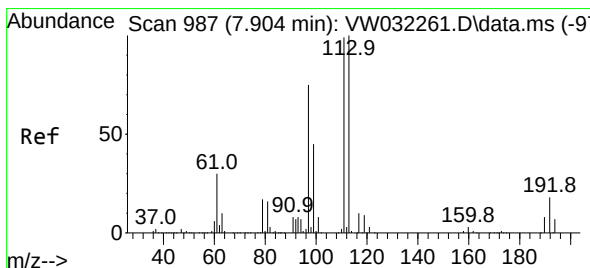
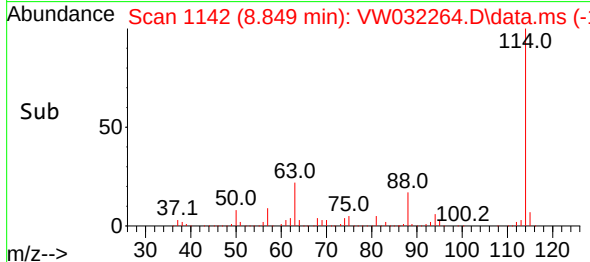
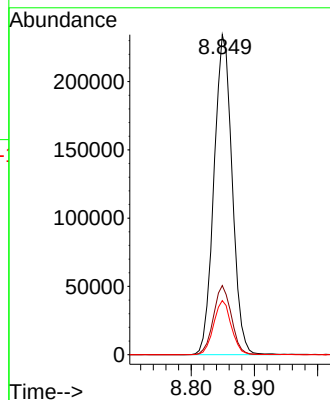
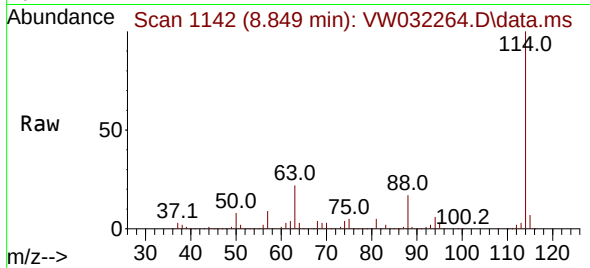




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

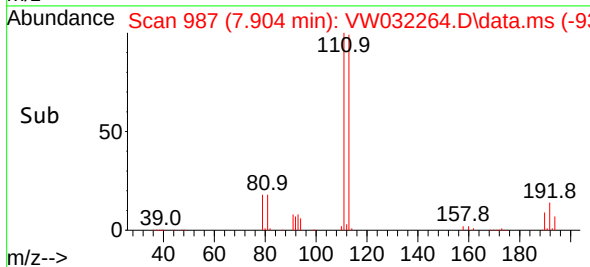
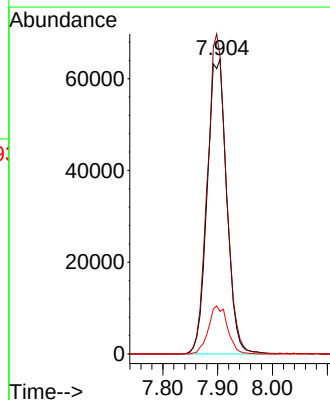
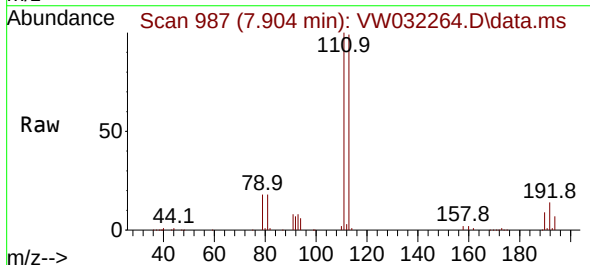
Instrument :
MSVOA_W
ClientSampleId :
VIBLK

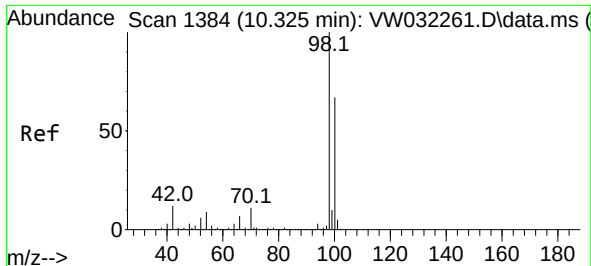
Tgt Ion:114 Resp: 466730
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.2
88 16.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.249 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion:113 Resp: 158594
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.8
192 16.0 13.0 19.4

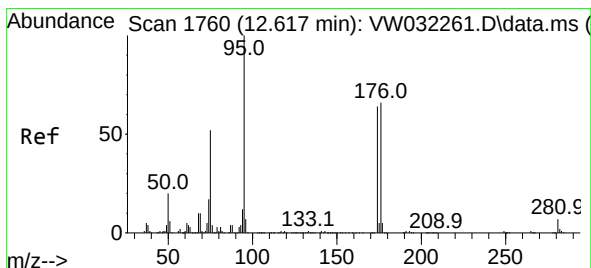
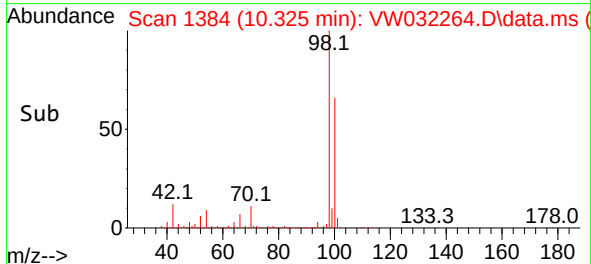
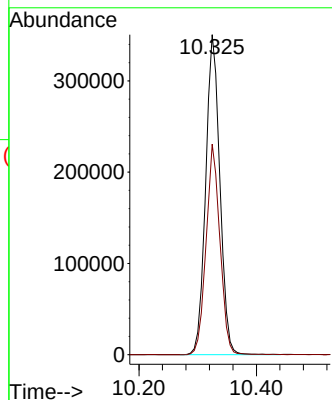
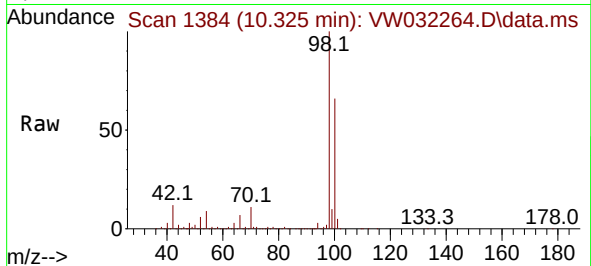




#50
Toluene-d8
Concen: 48.570 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

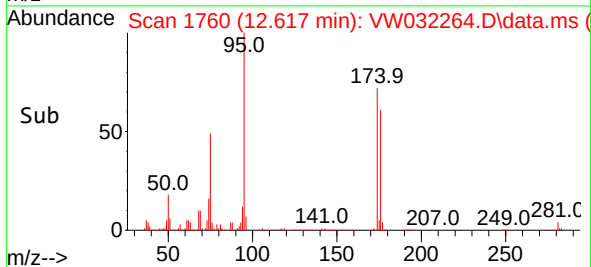
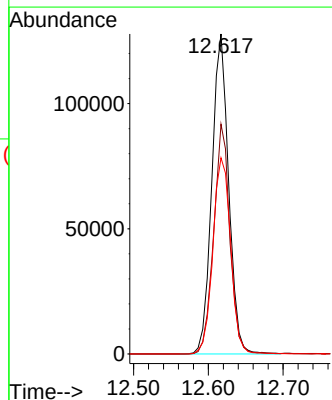
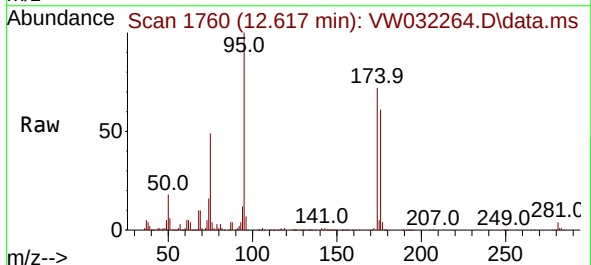
Instrument :
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VIBLK

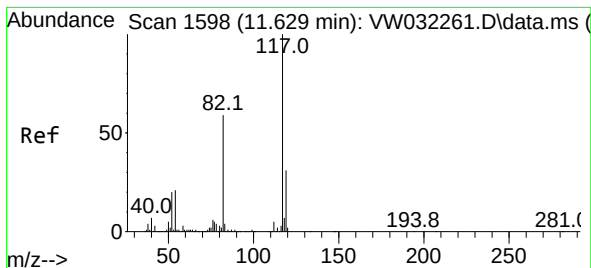
Tgt Ion: 98 Resp: 587548
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.687 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032264.D
Acq: 25 Sep 2025 13:46

Tgt Ion: 95 Resp: 199346
Ion Ratio Lower Upper
95 100
174 69.4 0.0 130.6
176 64.9 0.0 127.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.629 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

Instrument :

MSVOA_W

ClientSampleId :

VIBLK

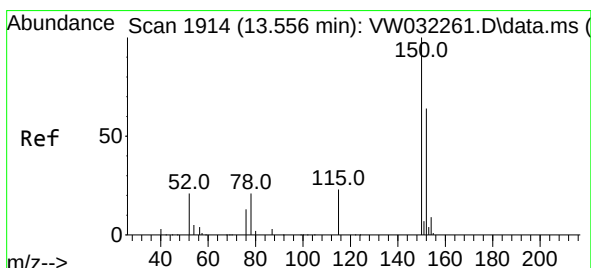
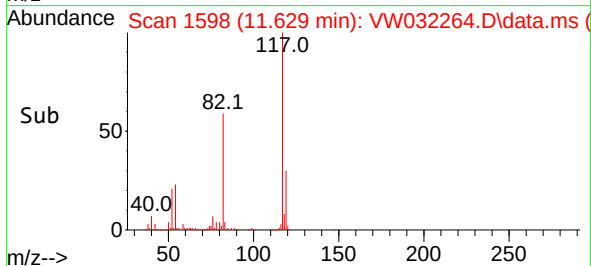
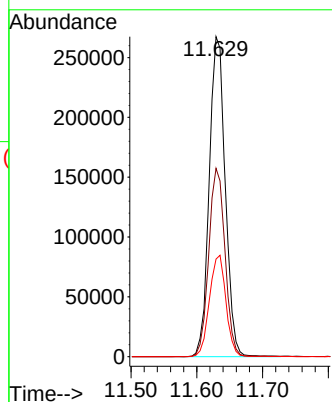
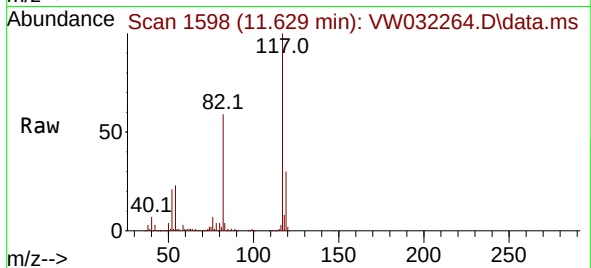
Tgt Ion:117 Resp: 453812

Ion Ratio Lower Upper

117 100

82 58.8 46.9 70.3

119 30.5 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032264.D

Acq: 25 Sep 2025 13:46

Tgt Ion:152 Resp: 219189

Ion Ratio Lower Upper

152 100

115 61.2 32.5 97.5

150 158.6 0.0 370.2

