

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031844.D
 Acq On : 14 Jul 2025 12:45
 Operator : SY/MD
 Sample : Q2560-03
 Misc : 5.00g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LP-7102025-VOC

Quant Time: Jul 15 02:43:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	172661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	336969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	309130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	145294	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	105074	42.405	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	84.800%
35) Dibromofluoromethane	7.904	113	94181	42.832	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	85.660%
50) Toluene-d8	10.330	98	353799	43.237	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	86.480%
62) 4-Bromofluorobenzene	12.617	95	131053	43.520	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	87.040%

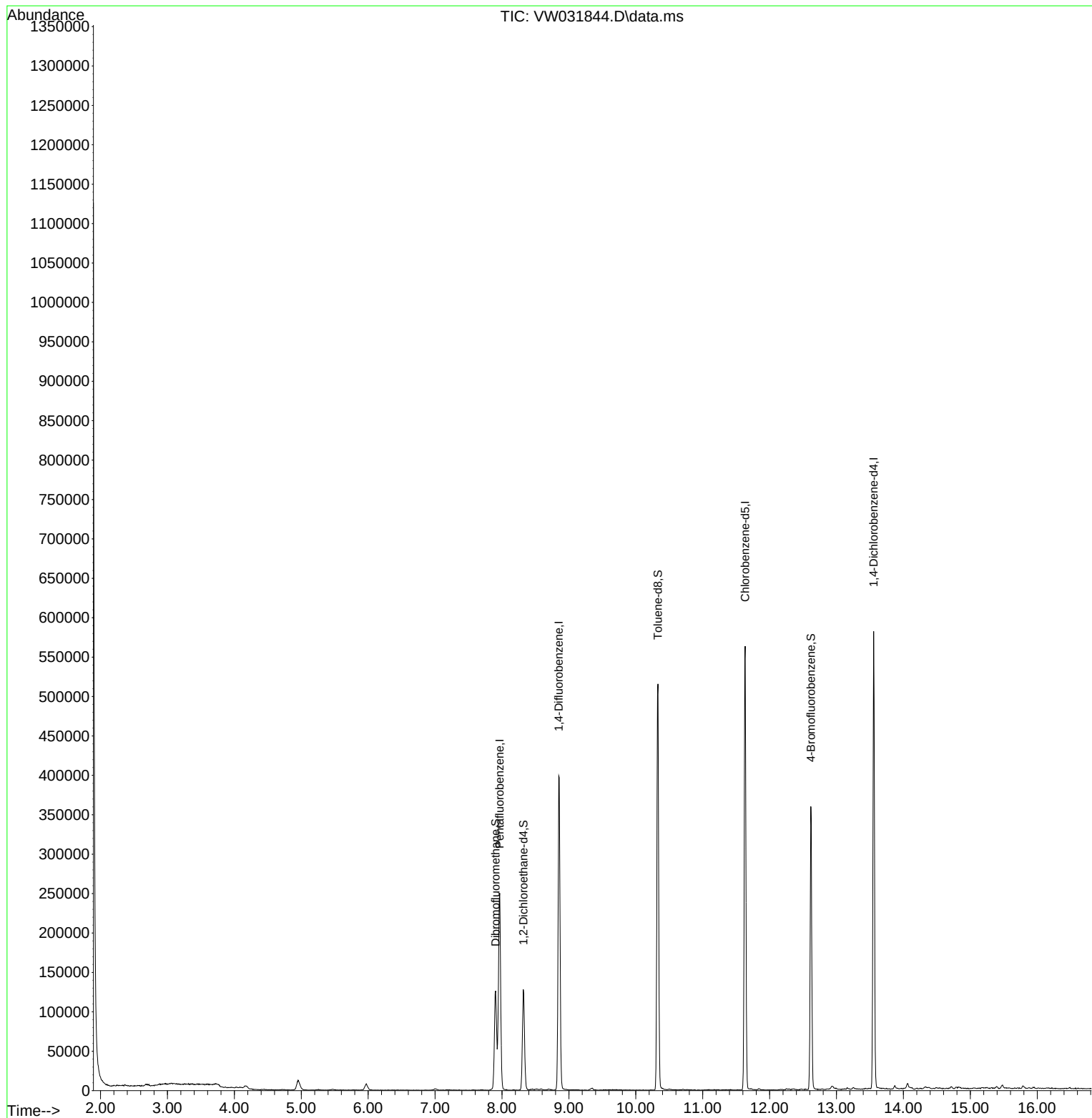
Target Compounds	Qvalue

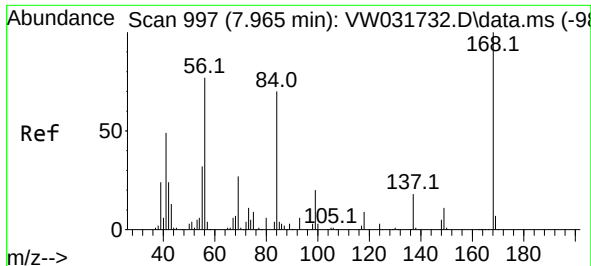
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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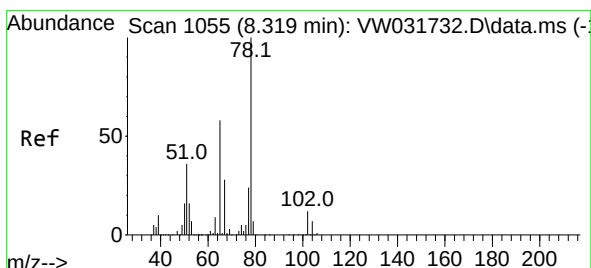
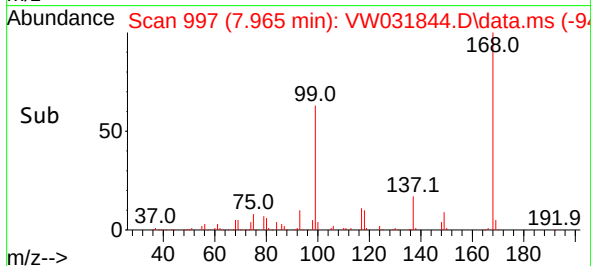
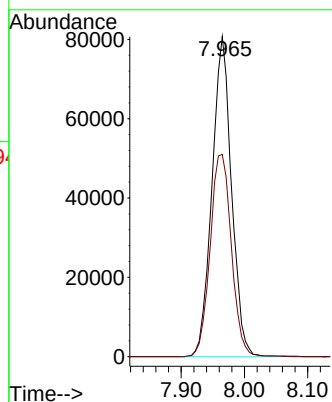
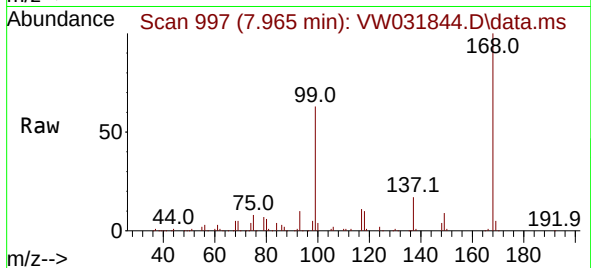




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

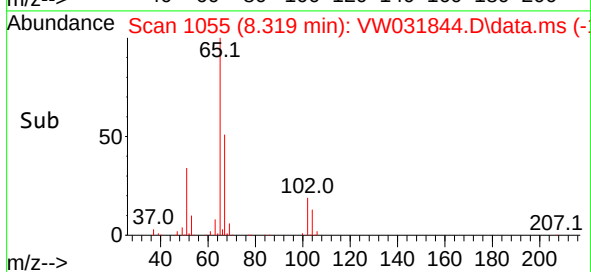
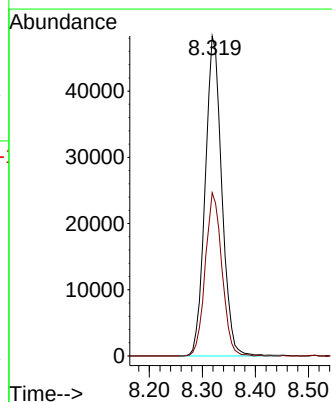
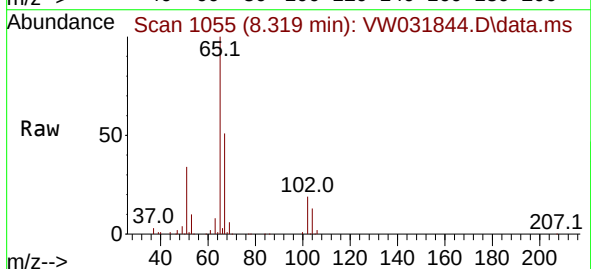
Instrument :
MSVOA_W
ClientSampleId :
LP-7102025-VOC

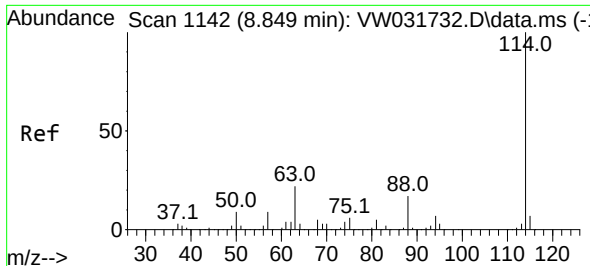
Tgt Ion:168 Resp: 172661
Ion Ratio Lower Upper
168 100
99 63.2 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 42.405 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 65 Resp: 105074
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.4

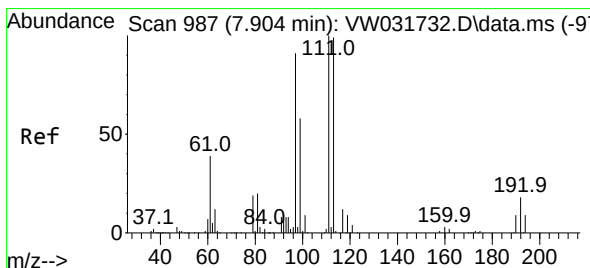
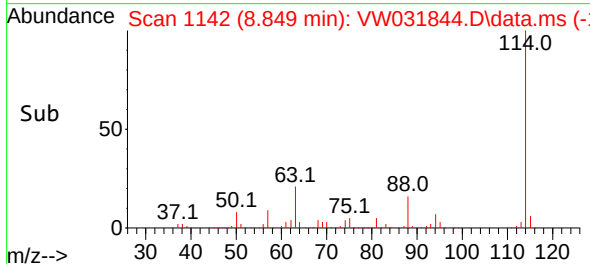
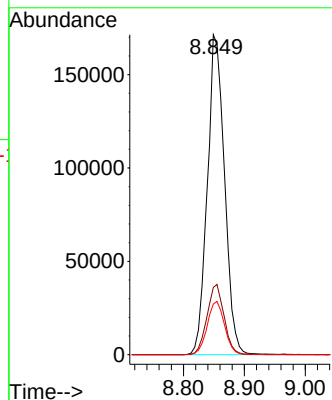
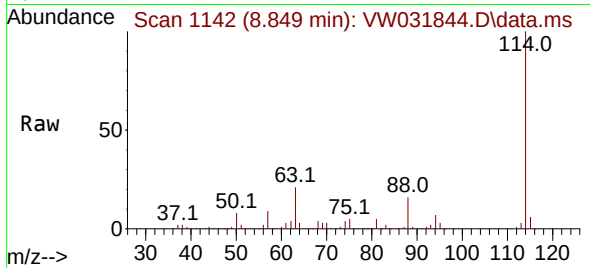




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

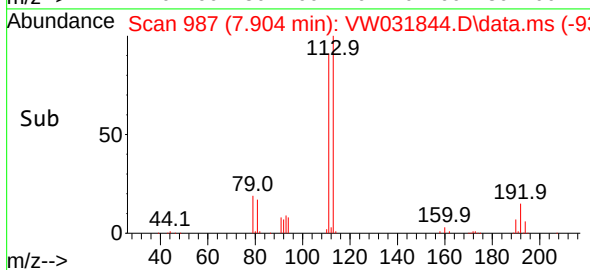
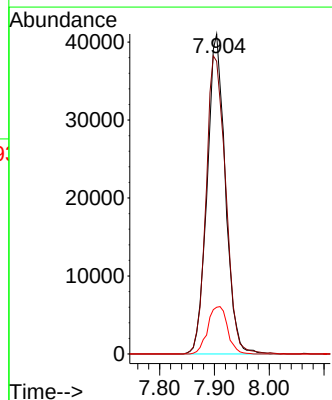
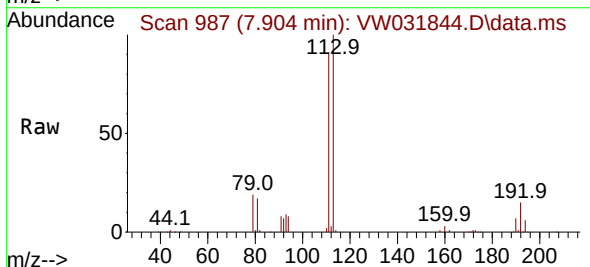
Instrument :
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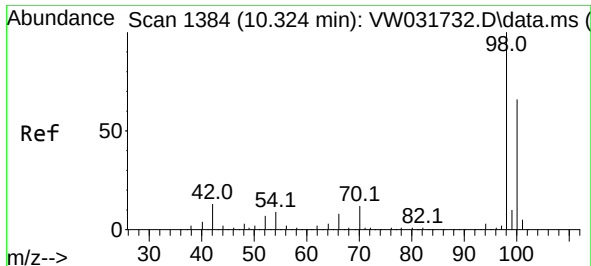
Tgt Ion:114 Resp: 336969
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.6
 88 15.8 0.0 34.2



#35
 Dibromofluoromethane
 Concen: 42.832 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: VW031844.D
 Acq: 14 Jul 2025 12:45

Tgt Ion:113 Resp: 94181
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.1 123.1
 192 16.1 13.8 20.6

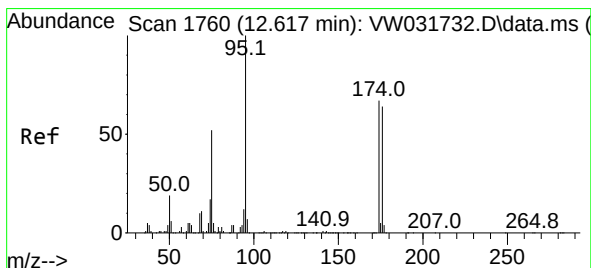
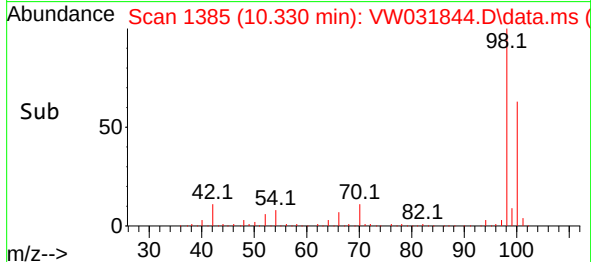
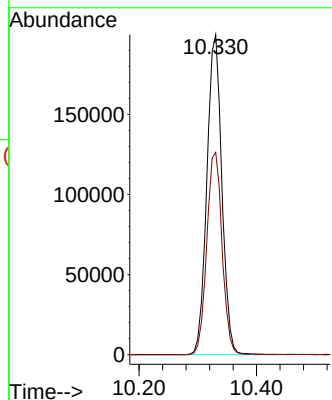
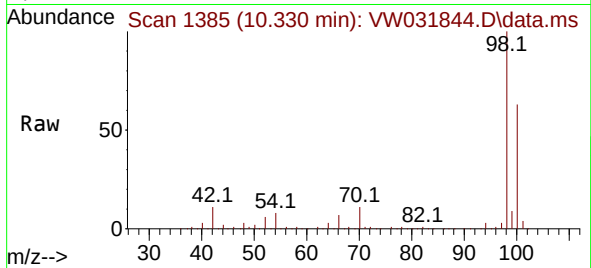




#50
Toluene-d8
Concen: 43.237 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

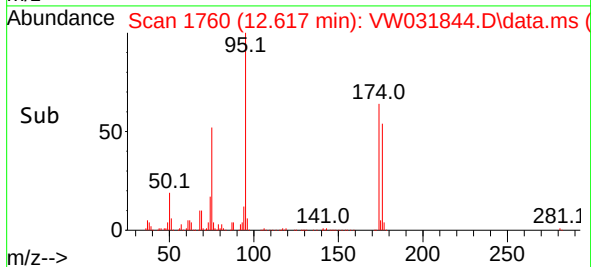
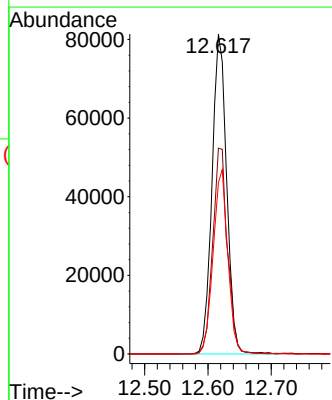
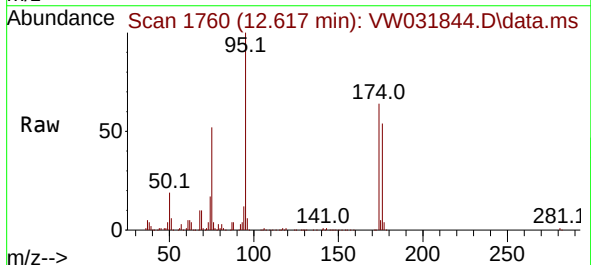
Instrument :
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LP-7102025-VOC

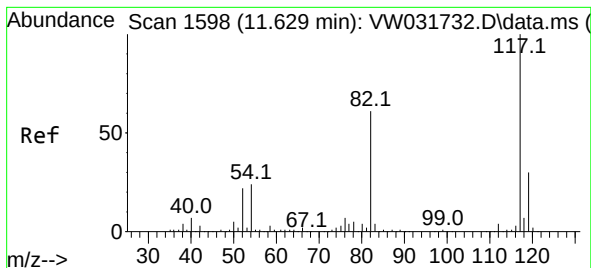
Tgt Ion: 98 Resp: 353799
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 43.520 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031844.D
Acq: 14 Jul 2025 12:45

Tgt Ion: 95 Resp: 131053
Ion Ratio Lower Upper
95 100
174 64.9 0.0 133.8
176 57.7 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW031844.D

Acq: 14 Jul 2025 12:45

Instrument :

MSVOA_W

ClientSampleId :

LP-7102025-VOC

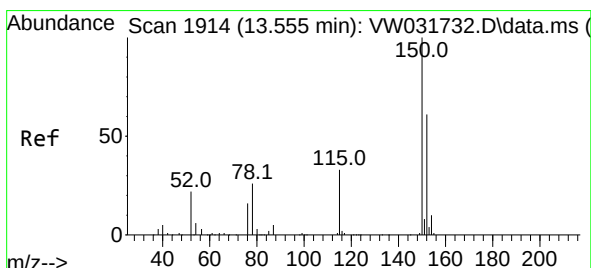
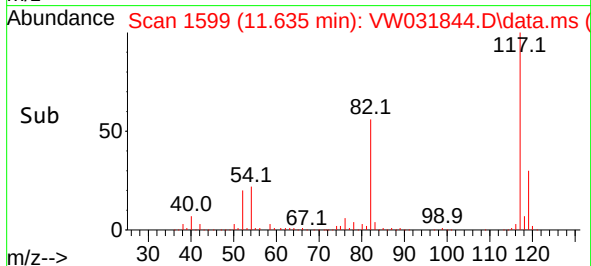
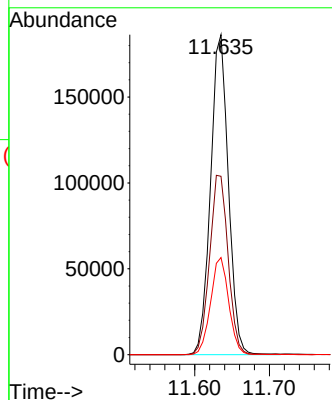
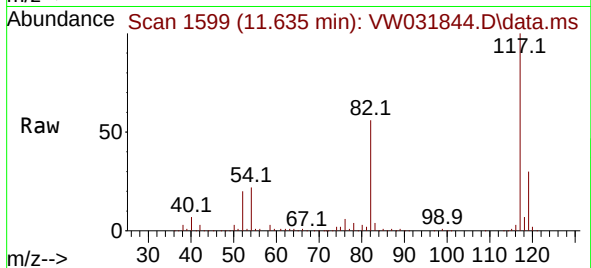
Tgt Ion:117 Resp: 309130

Ion Ratio Lower Upper

117 100

82 55.7 48.6 72.8

119 30.3 23.9 35.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031844.D

Acq: 14 Jul 2025 12:45

Tgt Ion:152 Resp: 145294

Ion Ratio Lower Upper

152 100

115 63.8 31.9 95.7

150 155.2 0.0 356.4

