

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120123\
 Data File : VN080318.D
 Acq On : 01 Dec 2023 12:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 01 22:33:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	171478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	331071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160544	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148289	52.374	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.740%
35) Dibromofluoromethane	8.171	113	120058	51.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.260%
50) Toluene-d8	10.571	98	413172	49.290	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.580%
62) 4-Bromofluorobenzene	12.853	95	168259	53.142	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.280%

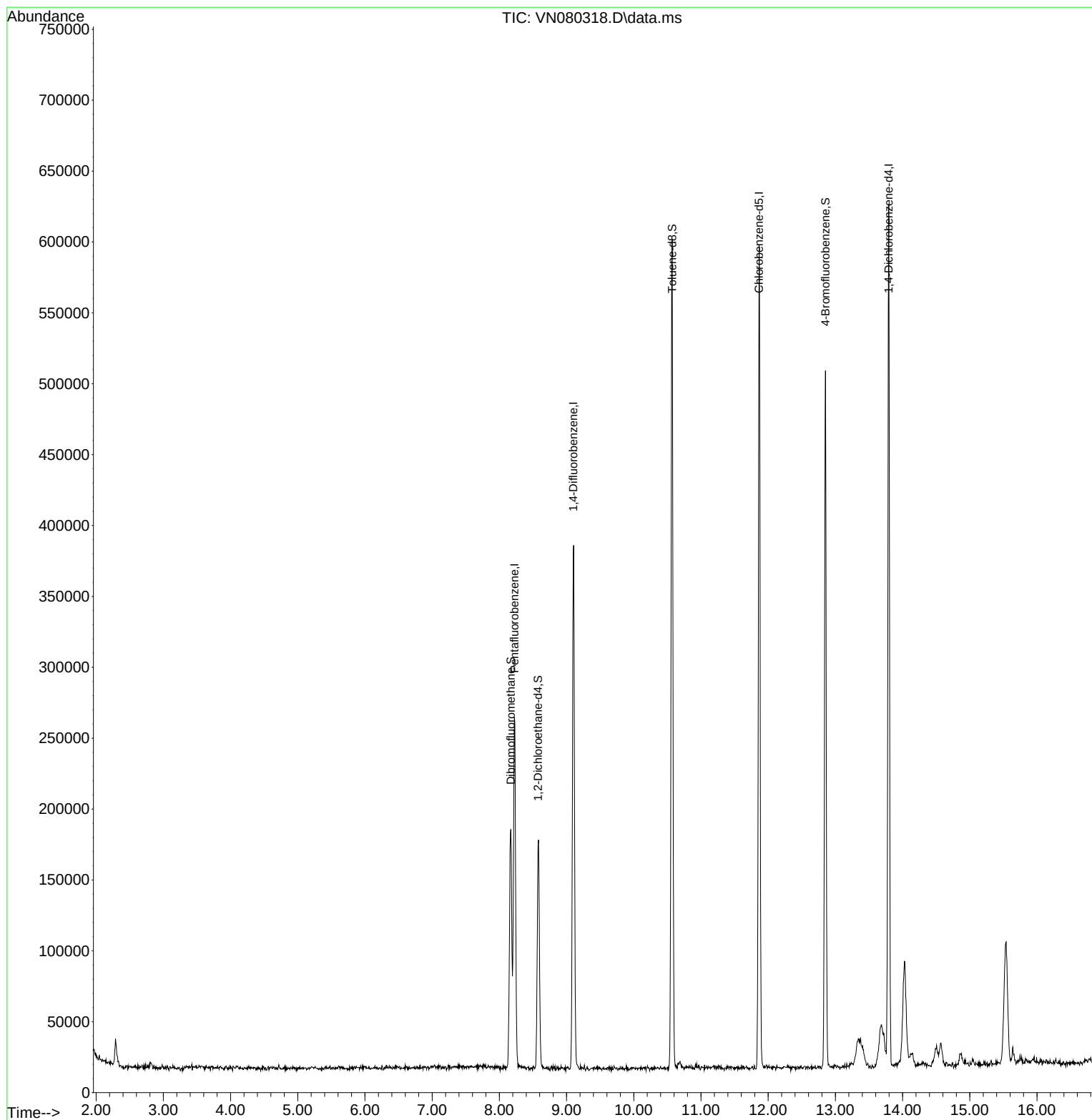
Target Compounds	Qvalue

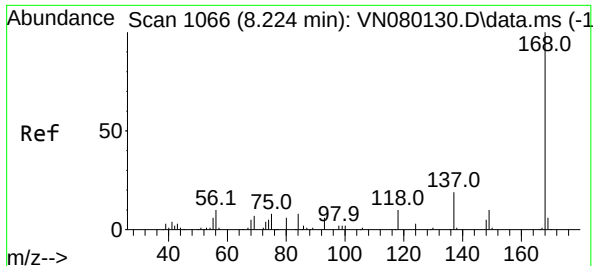
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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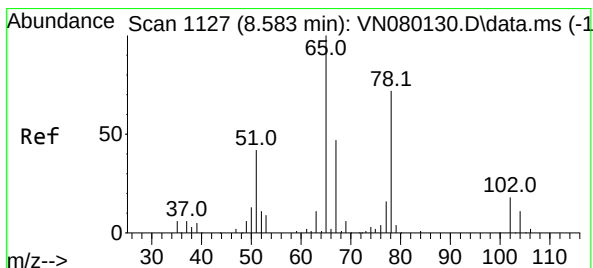
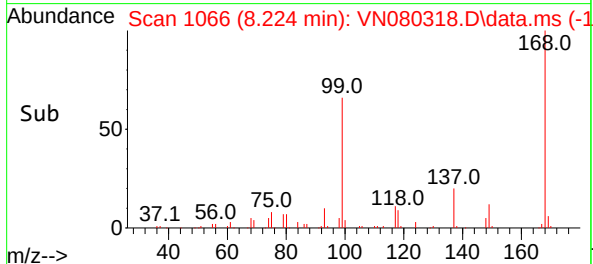
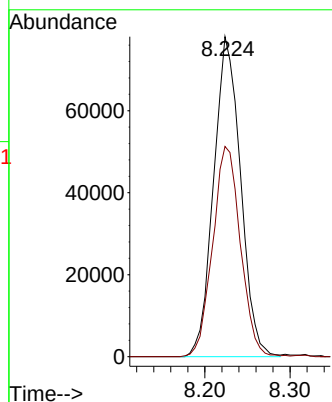
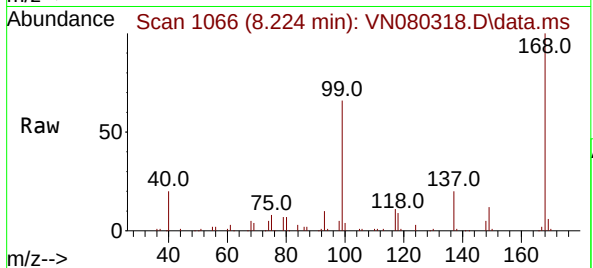




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080318.D
Acq: 01 Dec 2023 12:36

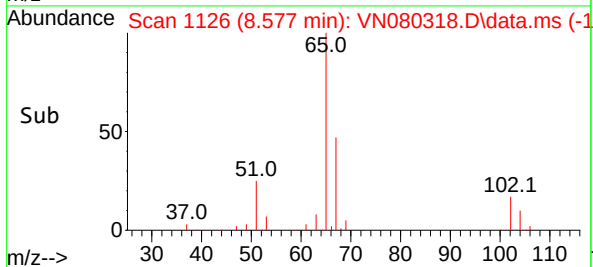
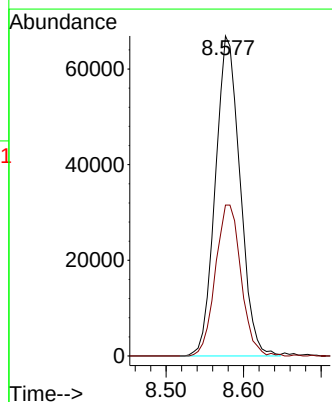
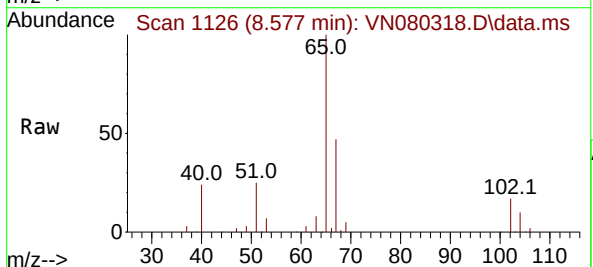
Instrument :
MSVOA_N
ClientSampleId :
IBLK

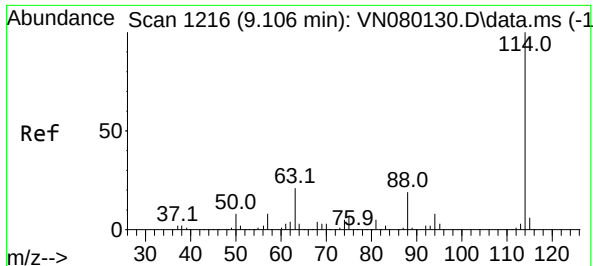
Tgt Ion:168 Resp: 171478
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 52.374 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN080318.D
Acq: 01 Dec 2023 12:36

Tgt Ion: 65 Resp: 148289
Ion Ratio Lower Upper
65 100
67 49.0 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080318.D

Acq: 01 Dec 2023 12:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

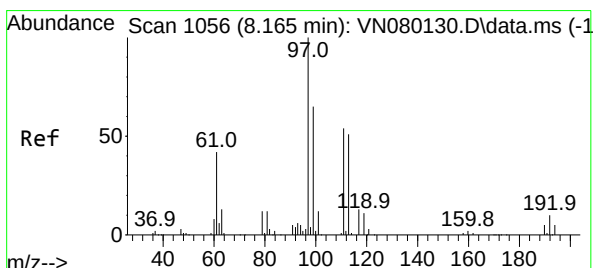
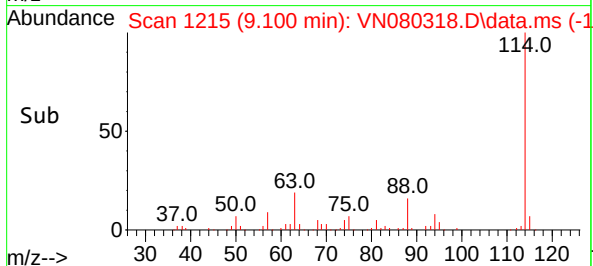
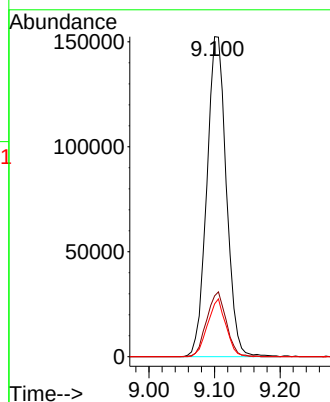
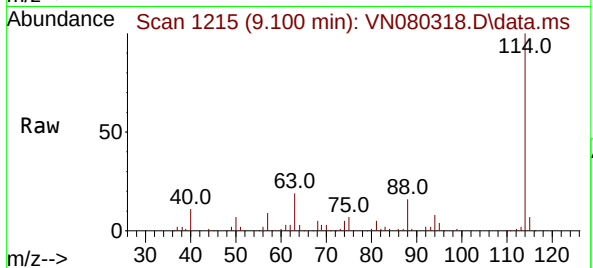
Tgt Ion:114 Resp: 315147

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.4

88 16.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.630 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN080318.D

Acq: 01 Dec 2023 12:36

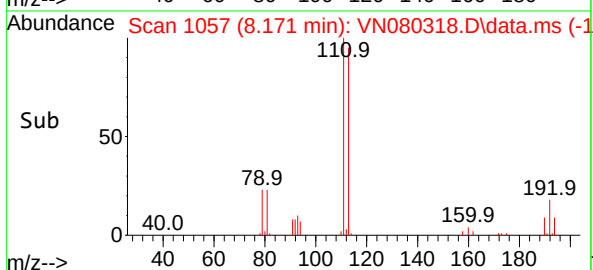
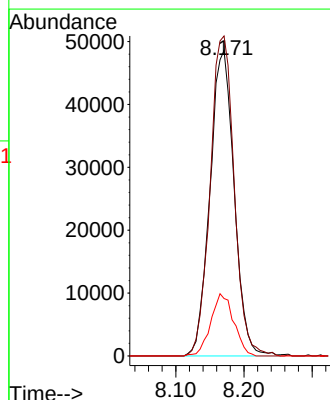
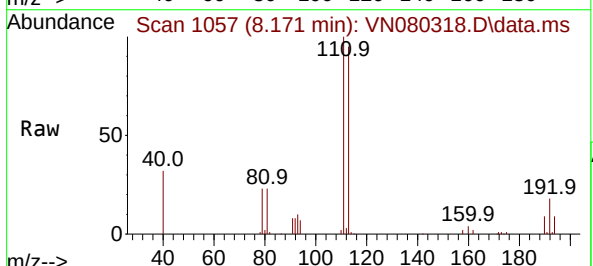
Tgt Ion:113 Resp: 120058

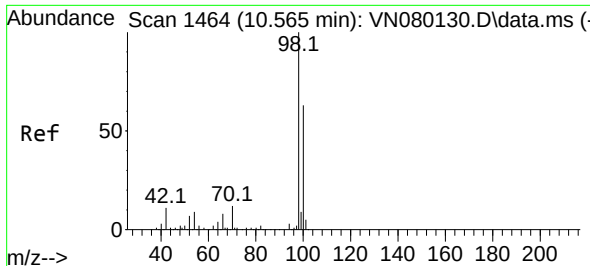
Ion Ratio Lower Upper

113 100

111 104.0 82.6 123.8

192 19.4 12.7 19.1#

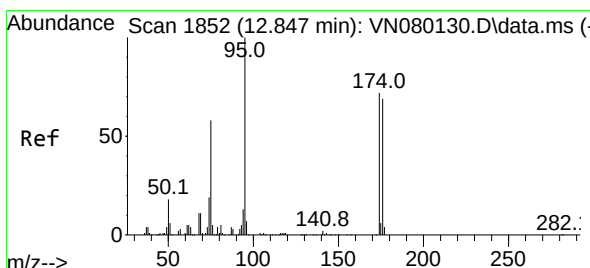
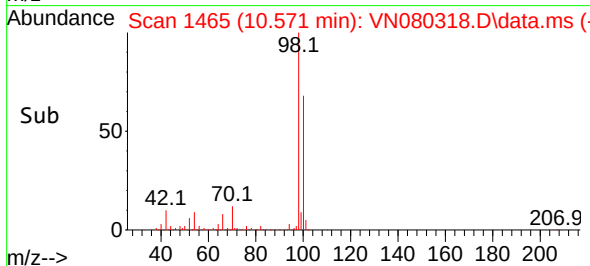
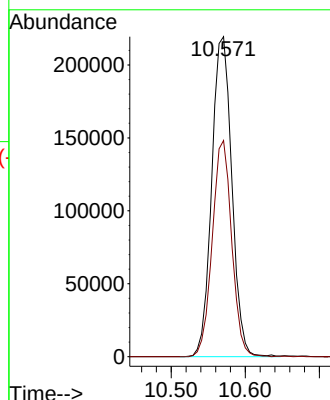
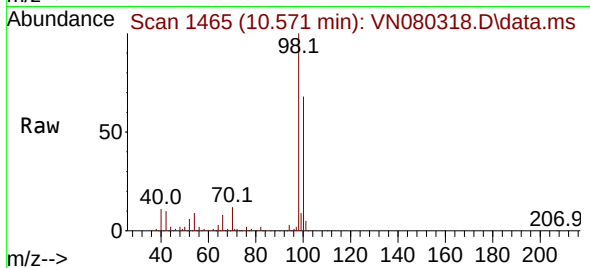




#50
Toluene-d8
Concen: 49.290 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080318.D
Acq: 01 Dec 2023 12:36

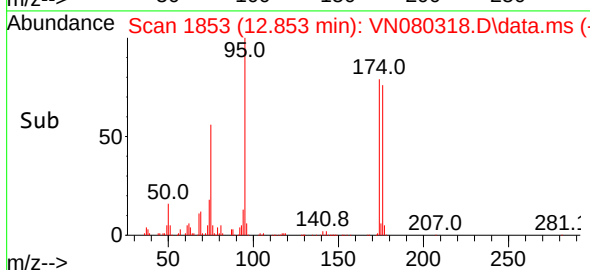
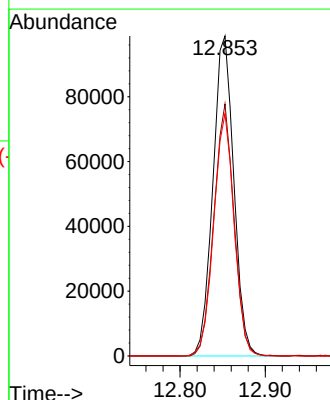
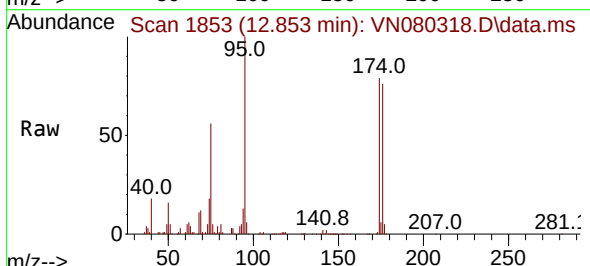
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MSVOA_N
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IBLK

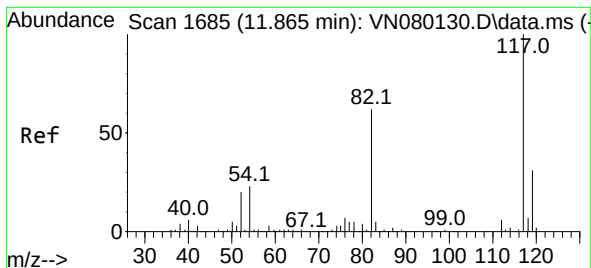
Tgt Ion: 98 Resp: 413172
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 53.142 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080318.D
Acq: 01 Dec 2023 12:36

Tgt Ion: 95 Resp: 168259
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 73.9 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080318.D

Acq: 01 Dec 2023 12:36

Instrument :

MSVOA_N

ClientSampleId :

IBLK

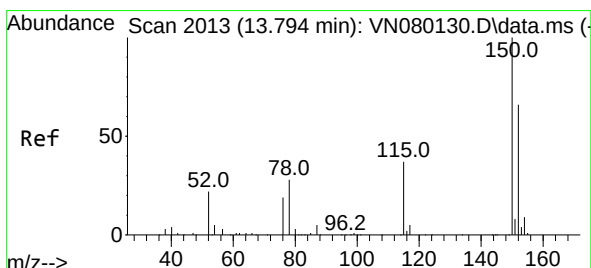
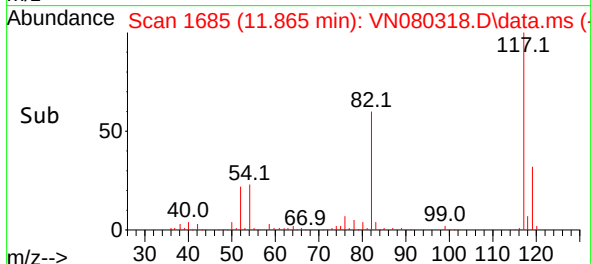
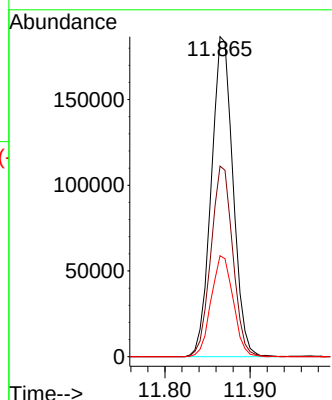
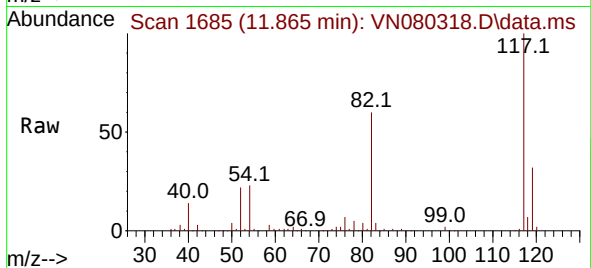
Tgt Ion:117 Resp: 331071

Ion Ratio Lower Upper

117 100

82 59.6 44.0 66.0

119 31.6 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN080318.D

Acq: 01 Dec 2023 12:36

Tgt Ion:152 Resp: 160544

Ion Ratio Lower Upper

152 100

115 66.4 32.3 96.8

150 157.5 0.0 355.8

