

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112023\
 Data File : VN080202.D
 Acq On : 20 Nov 2023 13:01
 Operator : JC\MD
 Sample : 05482-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1142

Quant Time: Nov 21 01:03:17 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	8.230	168	141644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	254449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120630	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	132400	56.611	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.220%
35) Dibromofluoromethane	8.165	113	100434	53.494	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.980%
50) Toluene-d8	10.571	98	338314	49.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.853	95	132028	51.646	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.300%

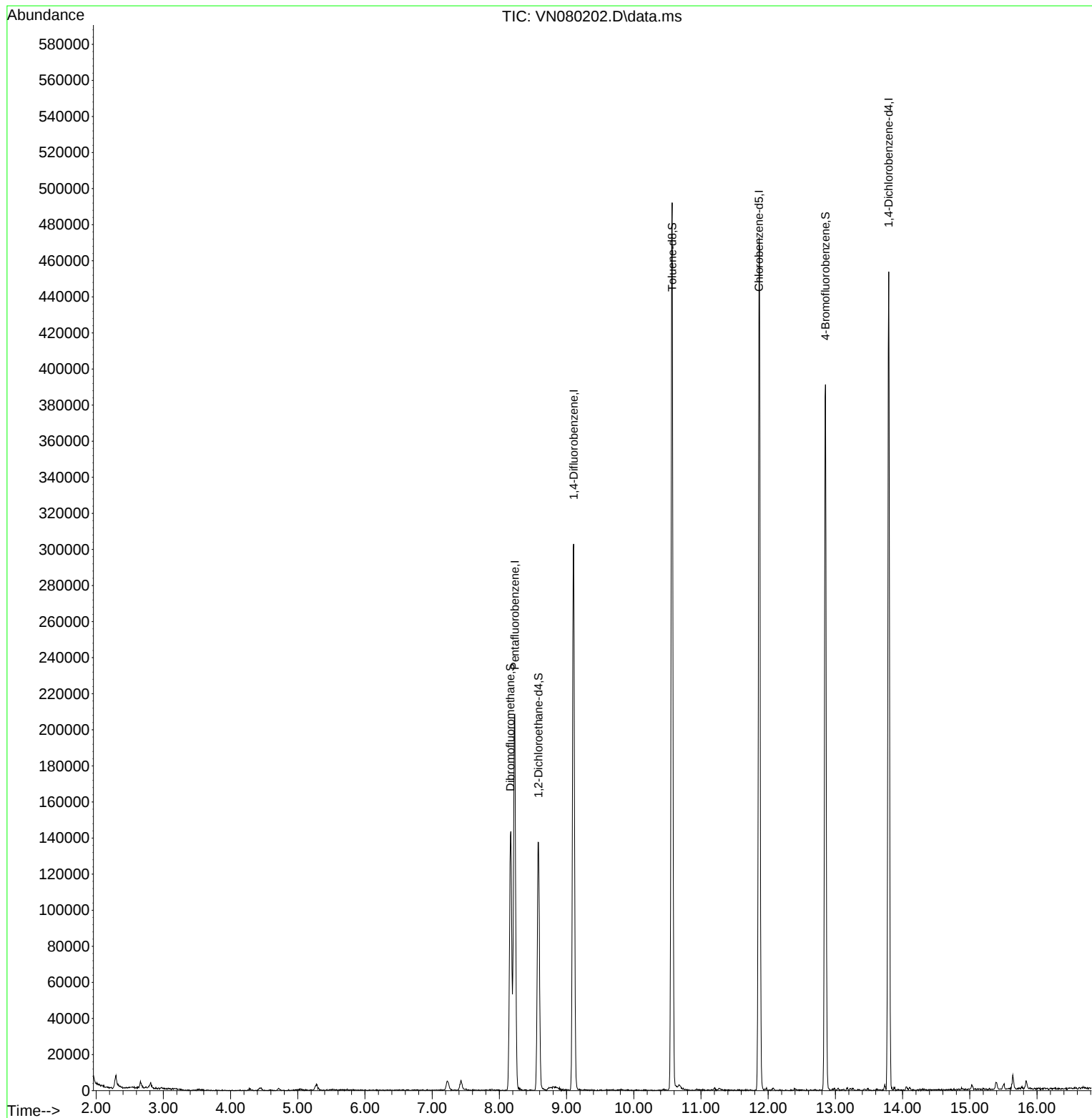
Target Compounds	Qvalue

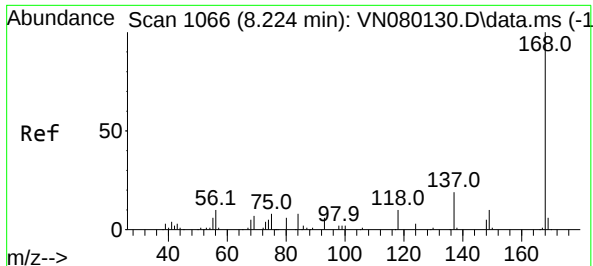
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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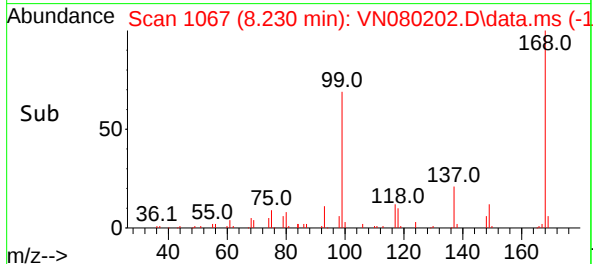
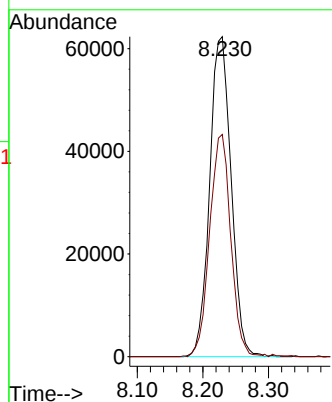
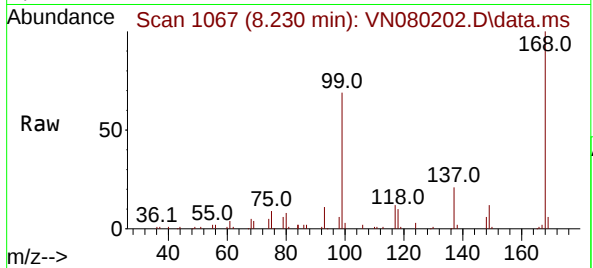




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

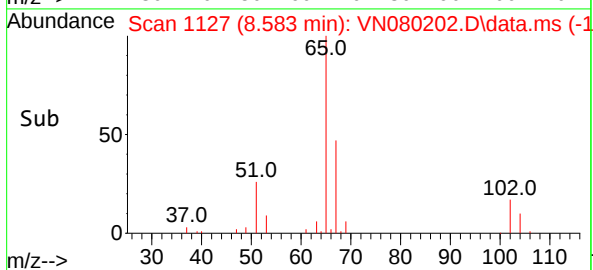
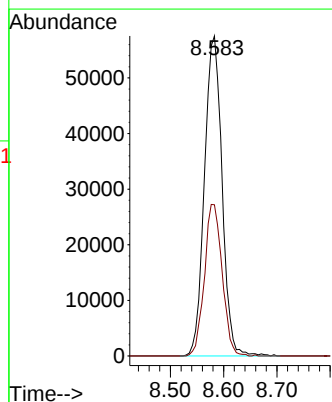
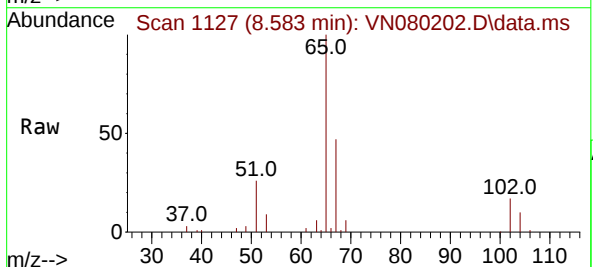
Instrument :
MSVOA_N
ClientSampleId :
1142

Tgt Ion:168 Resp: 141644
Ion Ratio Lower Upper
168 100
99 69.5 53.0 79.6



#33
1,2-Dichloroethane-d4
Concen: 56.611 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion: 65 Resp: 132400
Ion Ratio Lower Upper
65 100
67 47.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

1142

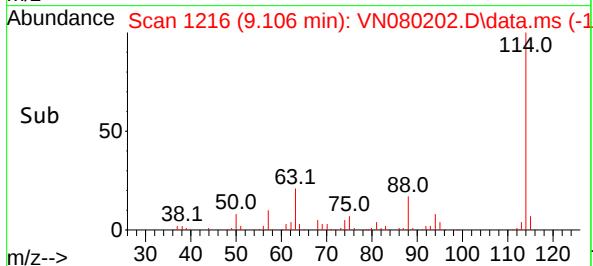
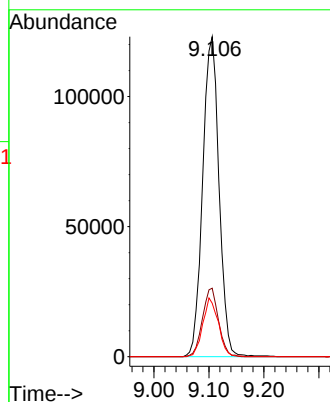
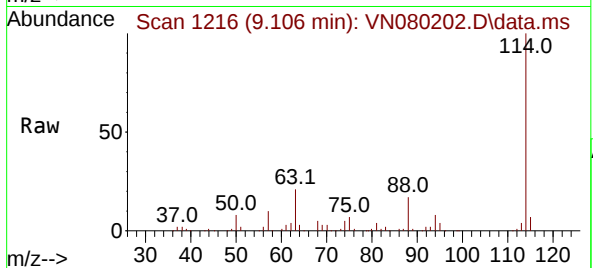
Tgt Ion:114 Resp: 254449

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 16.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.494 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

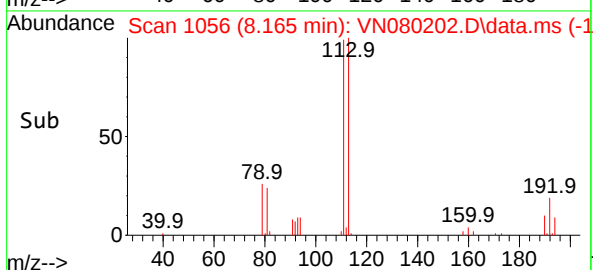
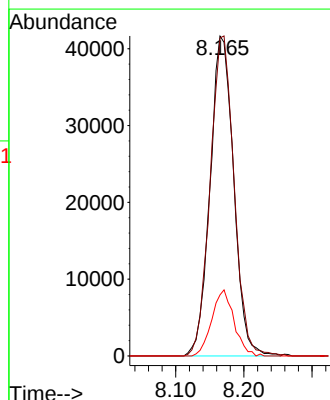
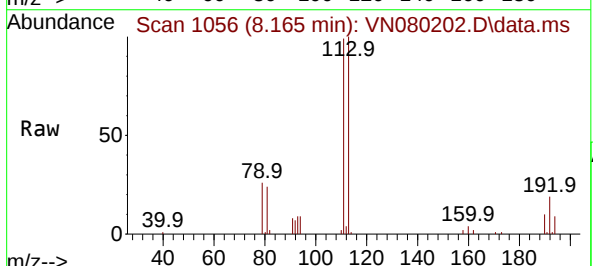
Tgt Ion:113 Resp: 100434

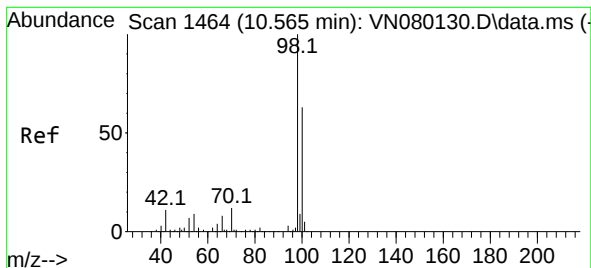
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 19.4 12.7 19.1#





#50

Toluene-d8

Concen: 49.987 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

Instrument :

MSVOA_N

ClientSampleId :

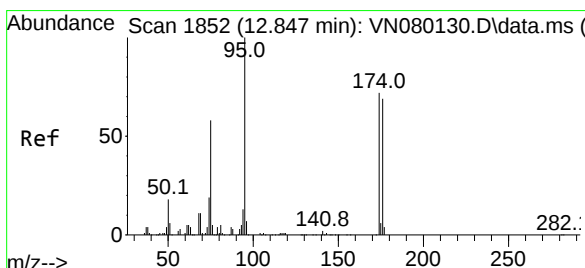
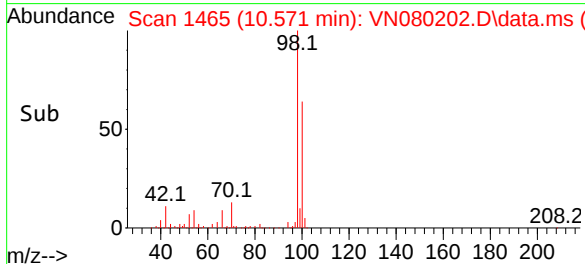
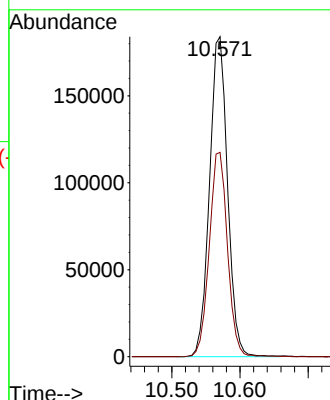
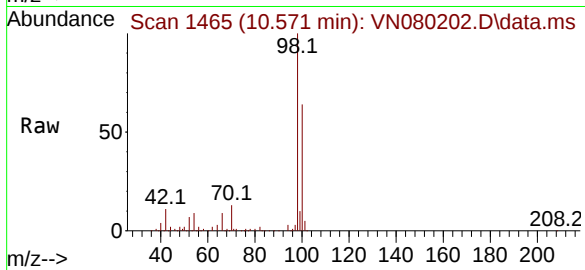
1142

Tgt Ion: 98 Resp: 338314

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.646 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN080202.D

Acq: 20 Nov 2023 13:01

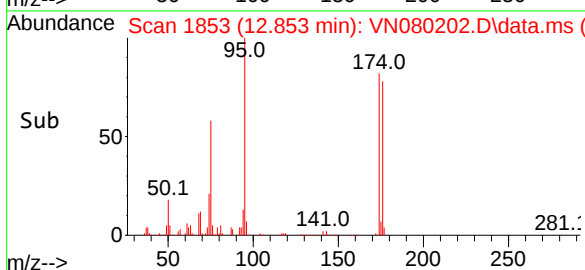
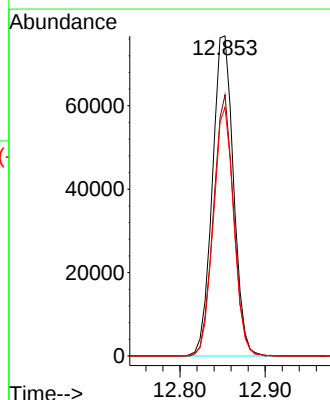
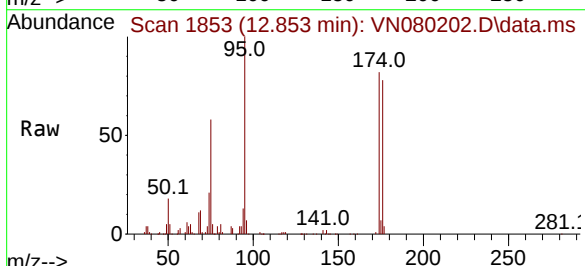
Tgt Ion: 95 Resp: 132028

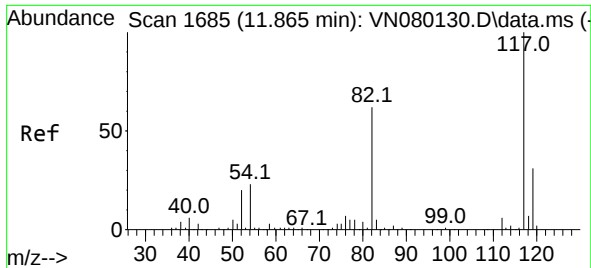
Ion Ratio Lower Upper

95 100

174 78.3 0.0 143.8

176 75.1 0.0 135.8

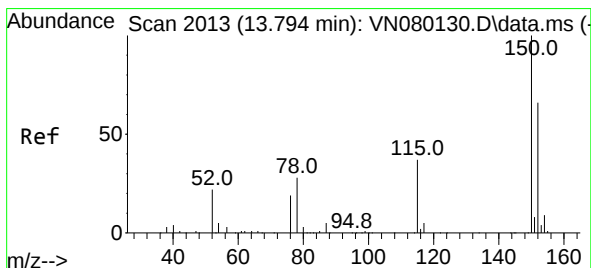
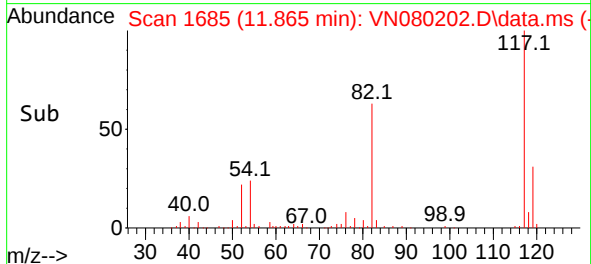
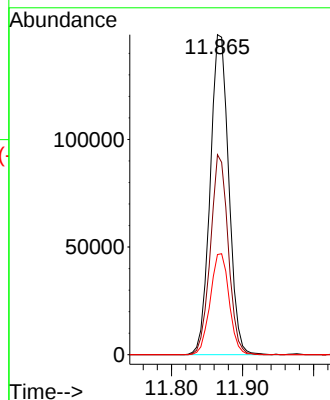
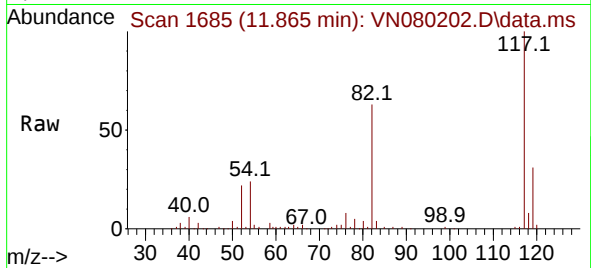




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN080202.D
Acq: 20 Nov 2023 13:01

Instrument :
MSVOA_N
ClientSampleId :
1142

Tgt Ion:117 Resp: 269131
Ion Ratio Lower Upper
117 100
82 62.5 44.0 66.0
119 31.3 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: VN080202.D
Acq: 20 Nov 2023 13:01

Tgt Ion:152 Resp: 120630
Ion Ratio Lower Upper
152 100
115 66.2 32.3 96.8
150 155.7 0.0 355.8

