

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN075991.D
 Acq On : 28 Dec 2022 11:35
 Operator : JC\MD
 Sample : VN1228WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1228WBL01

Quant Time: Dec 29 04:47:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	321196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	507119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	435947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	174933	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	167060	47.809	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.620%
35) Dibromofluoromethane	8.171	113	154549	49.211	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.420%
50) Toluene-d8	10.571	98	583616	49.703	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.400%
62) 4-Bromofluorobenzene	12.853	95	177378	45.609	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.220%

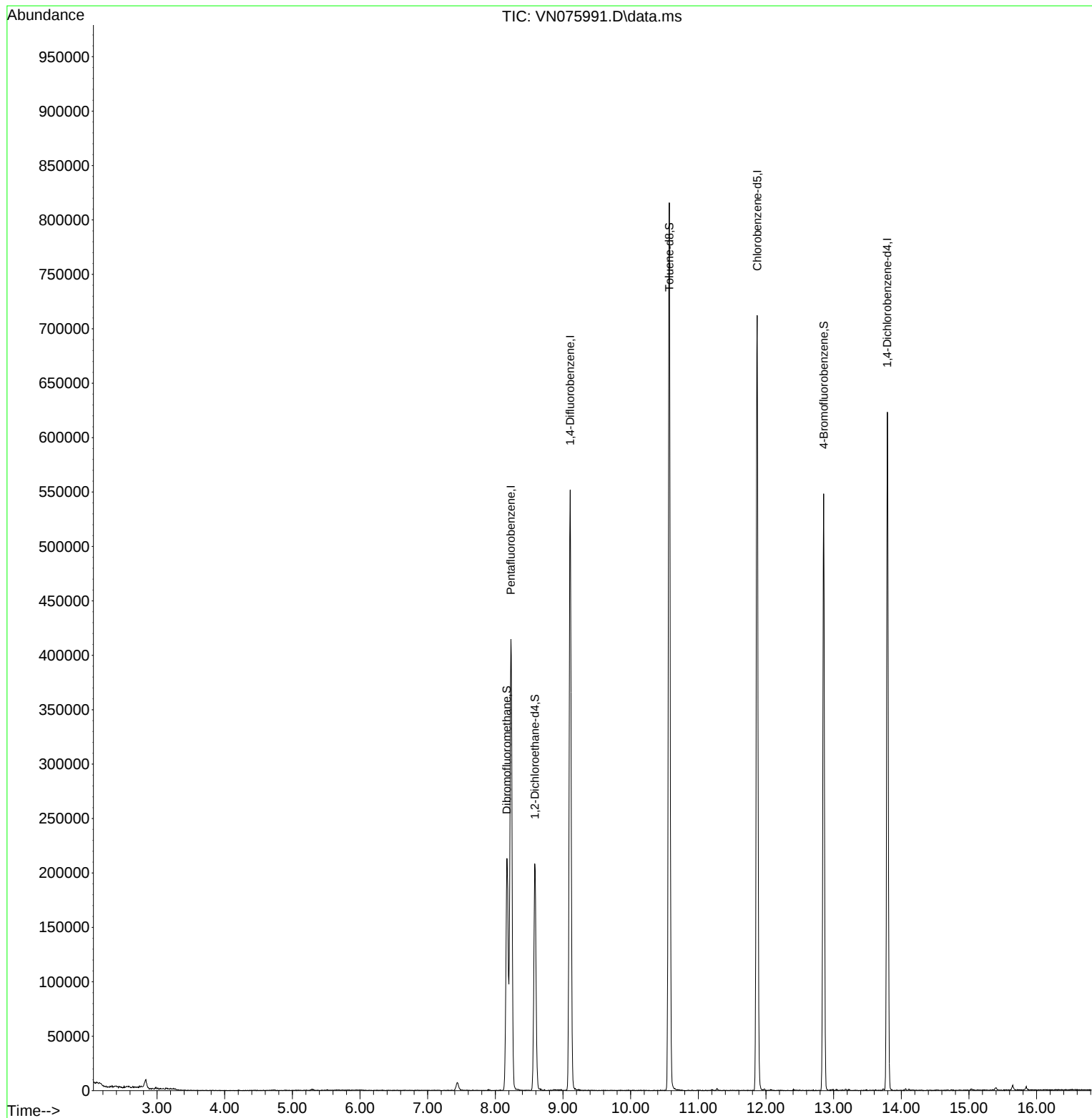
Target Compounds	Qvalue

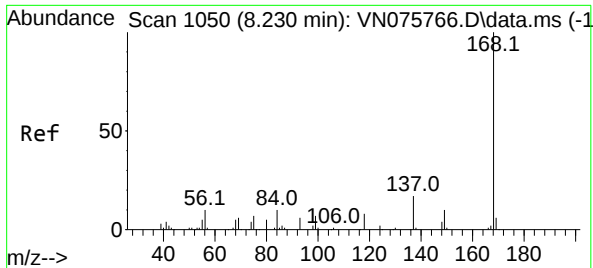
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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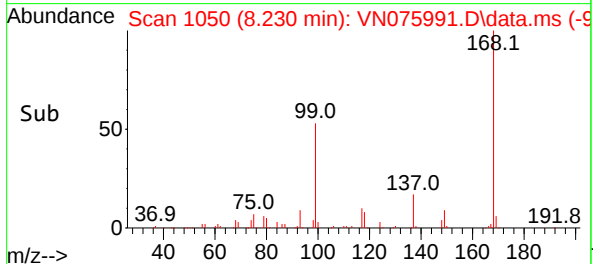
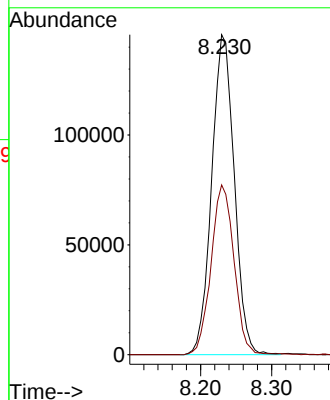
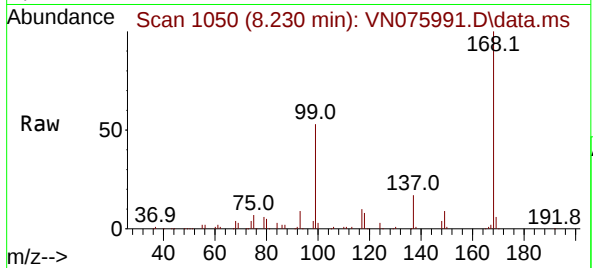




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN075991.D
Acq: 28 Dec 2022 11:35

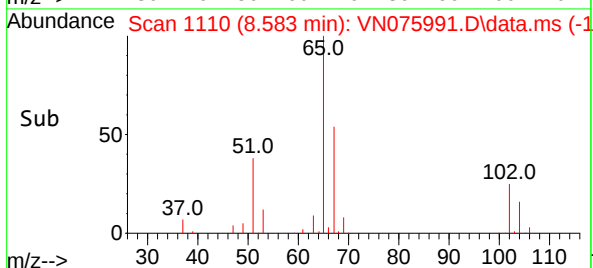
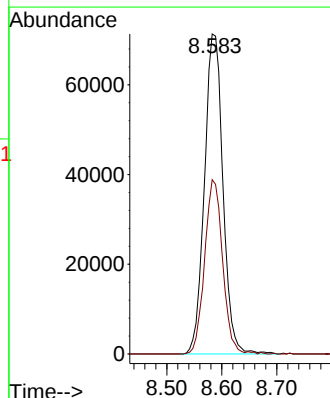
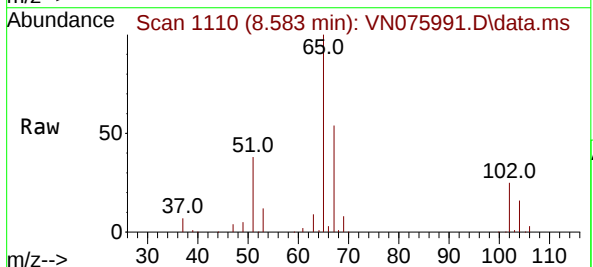
Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL01

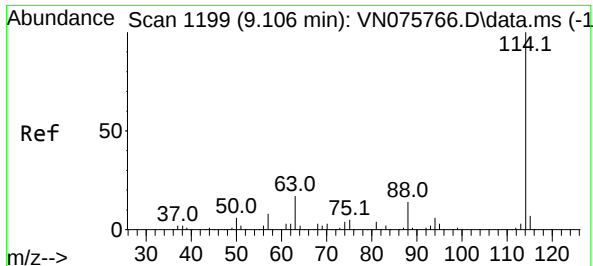
Tgt Ion:168 Resp: 321196
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 47.809 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075991.D
Acq: 28 Dec 2022 11:35

Tgt Ion: 65 Resp: 167060
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075991.D

Acq: 28 Dec 2022 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN1228WBL01

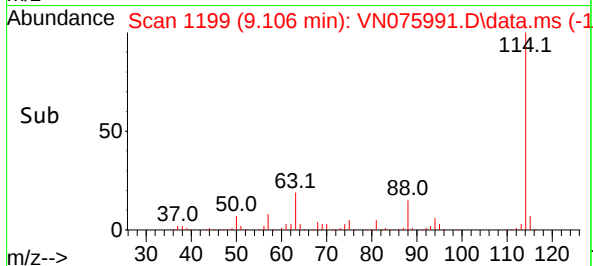
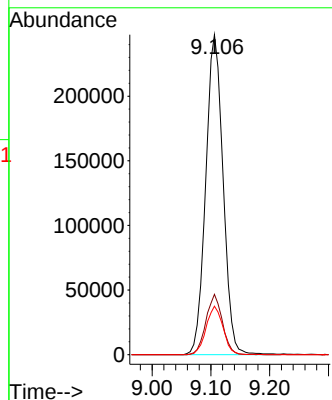
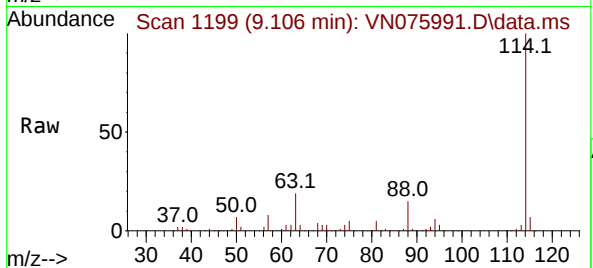
Tgt Ion:114 Resp: 507119

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

88 15.1 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.211 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075991.D

Acq: 28 Dec 2022 11:35

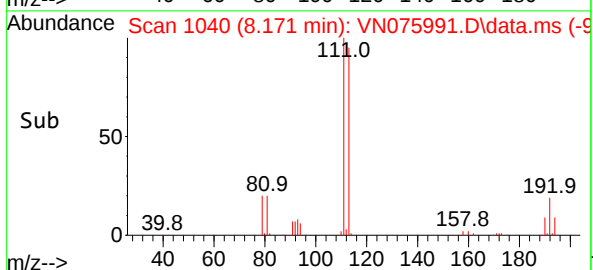
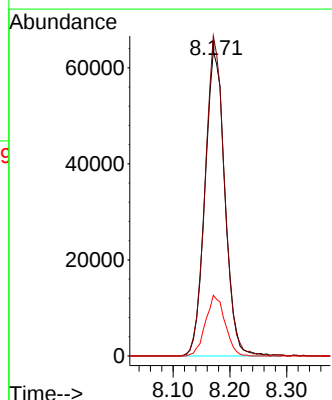
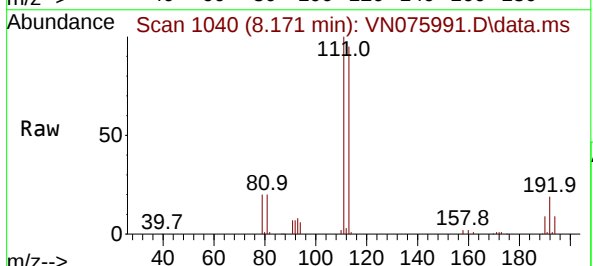
Tgt Ion:113 Resp: 154549

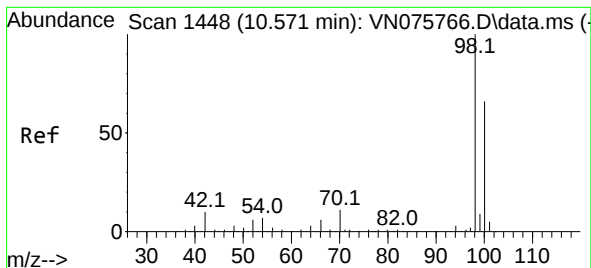
Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

192 19.4 16.1 24.1





#50

Toluene-d8

Concen: 49.703 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VN075991.D

Acq: 28 Dec 2022 11:35

Instrument :

MSVOA_N

ClientSampleId :

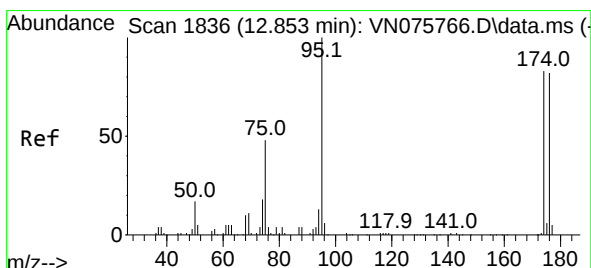
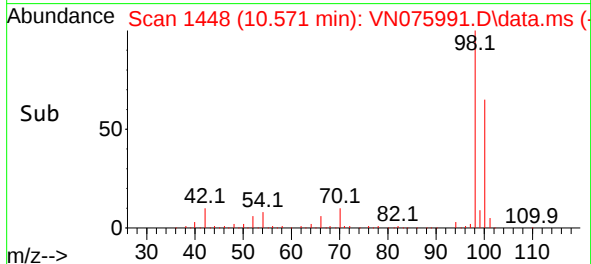
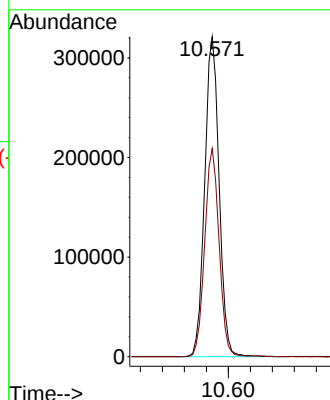
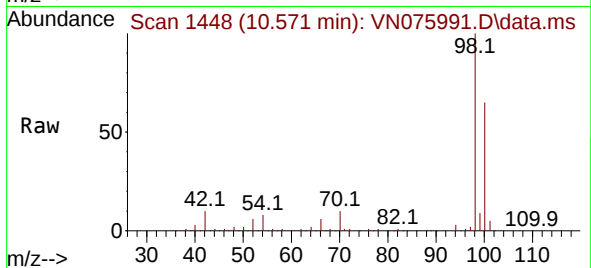
VN1228WBL01

Tgt Ion: 98 Resp: 583616

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.609 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN075991.D

Acq: 28 Dec 2022 11:35

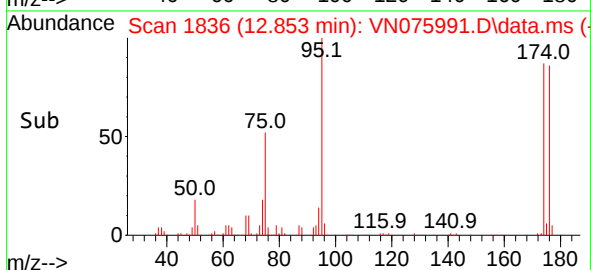
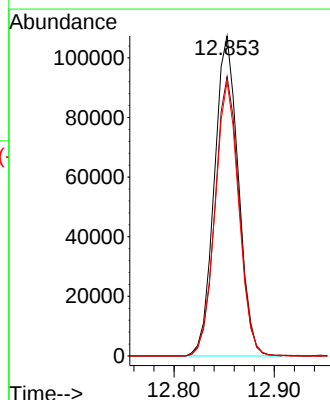
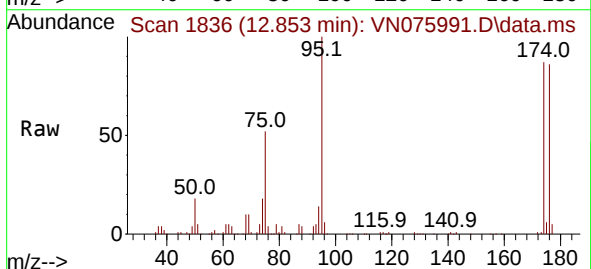
Tgt Ion: 95 Resp: 177378

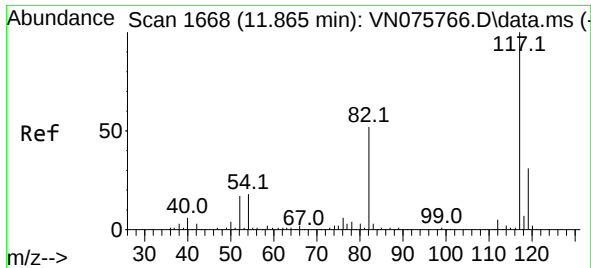
Ion Ratio Lower Upper

95 100

174 87.7 0.0 171.6

176 84.8 0.0 169.2

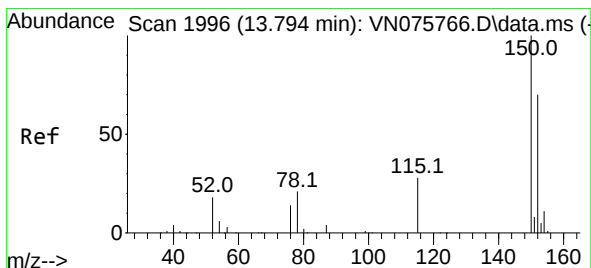
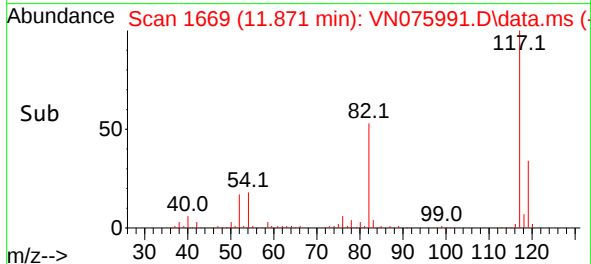
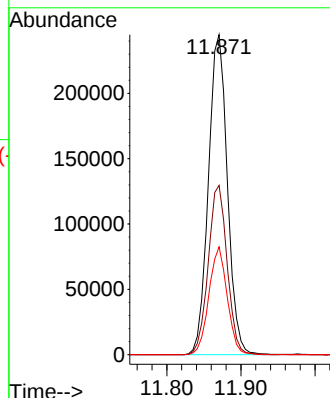
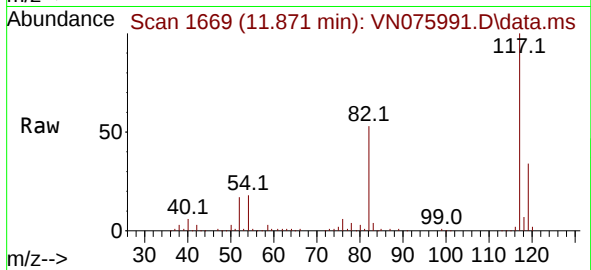




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075991.D
Acq: 28 Dec 2022 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN1228WBL01

Tgt Ion:117 Resp: 435947
Ion Ratio Lower Upper
117 100
82 52.9 41.3 61.9
119 33.7 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075991.D
Acq: 28 Dec 2022 11:35

Tgt Ion:152 Resp: 174933
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 158.3 0.0 347.0

