

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075716.D
 Acq On : 12 Dec 2022 16:29
 Operator : JC\MD
 Sample : N5978-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-08

Quant Time: Dec 13 01:33:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	237091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	373752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	329502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	140149	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	122620	48.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.480%
35) Dibromofluoromethane	8.171	113	113384	49.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.440%
50) Toluene-d8	10.571	98	431051	50.335	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.853	95	133089	45.455	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.900%

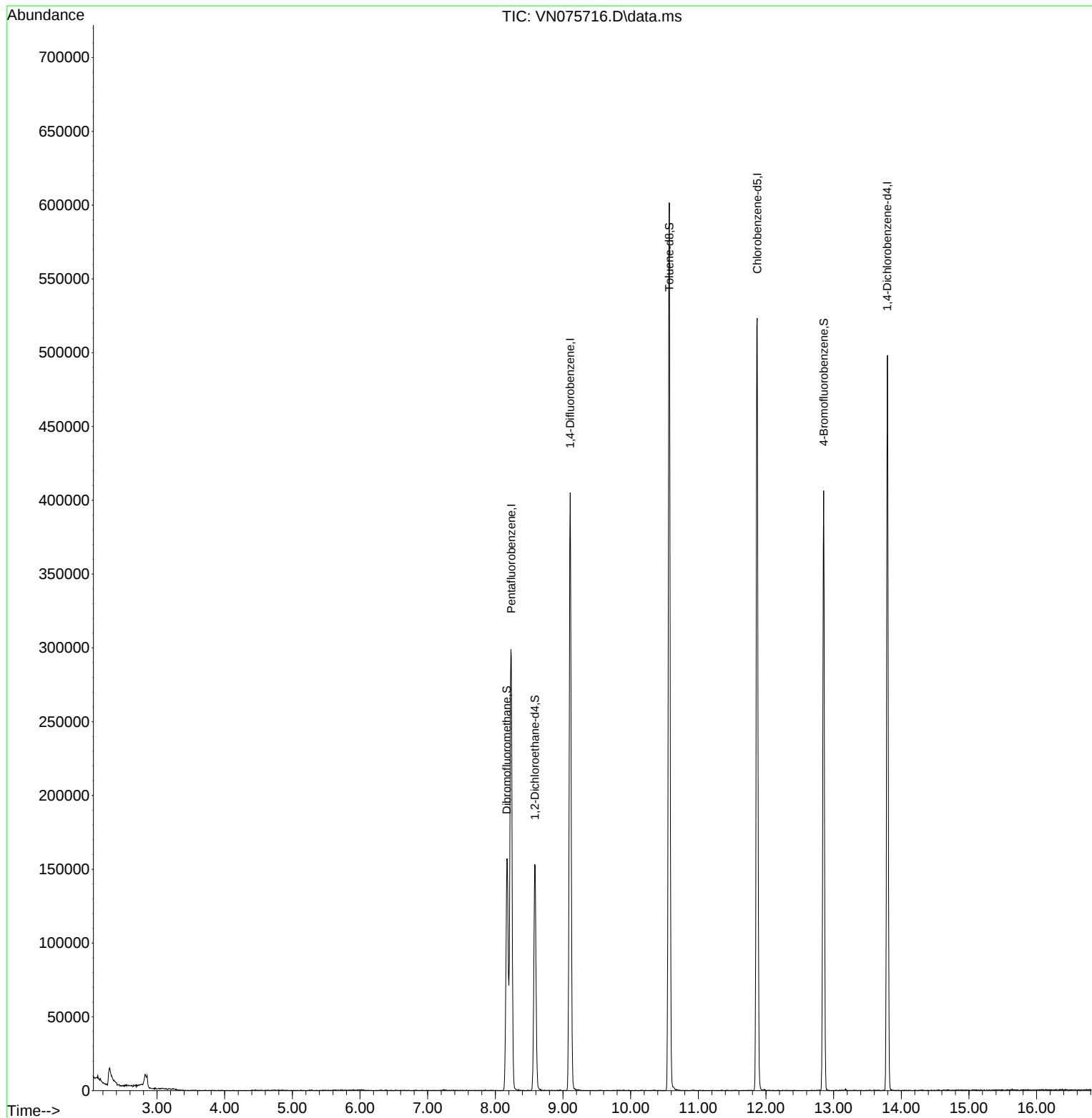
Target Compounds	Qvalue

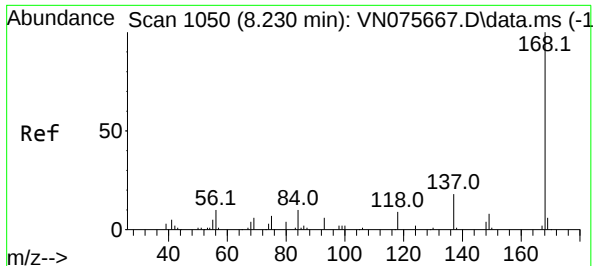
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.236 min Scan# 1105

Delta R.T. 0.005 min

Lab File: VN075716.D

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Instrument :

MSVOA_N

ClientSampleId :

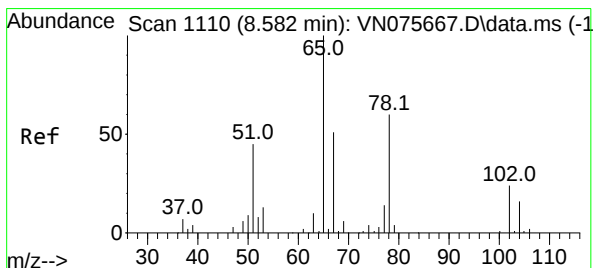
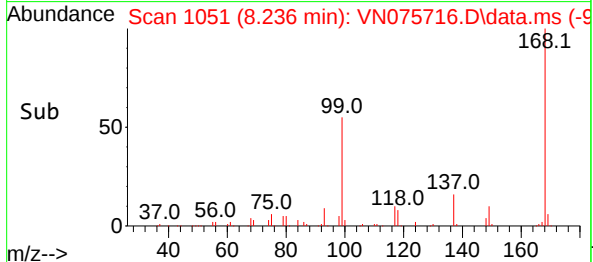
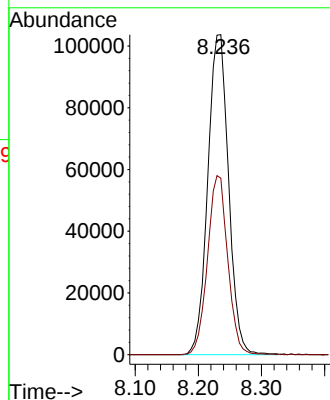
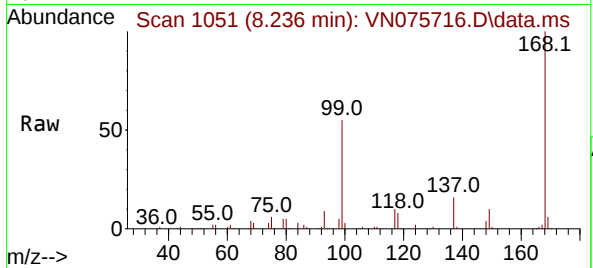
TB-2022-12-08

Tgt Ion:168 Resp: 237091

Ion Ratio Lower Upper

168 100

99 55.2 41.2 61.8



#33

1,2-Dichloroethane-d4

Concen: 48.744 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075716.D

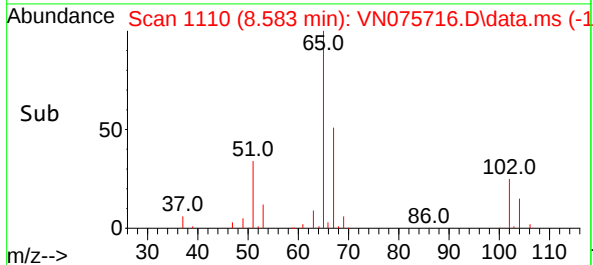
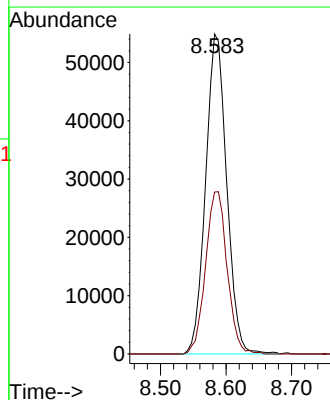
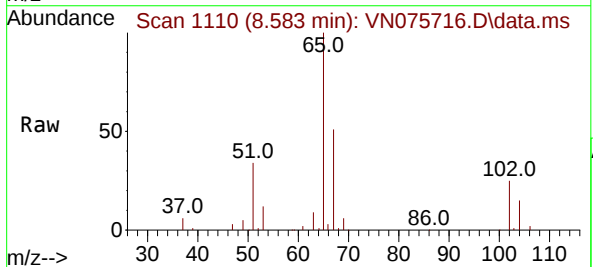
Acq: 12 Dec 2022 16:29

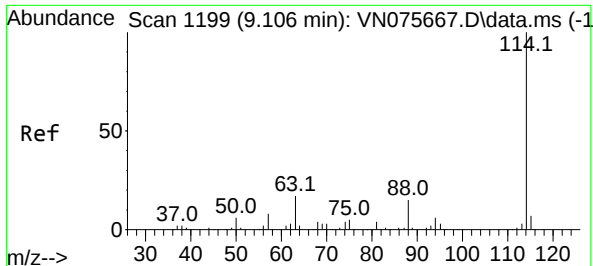
Tgt Ion: 65 Resp: 122620

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-12-08

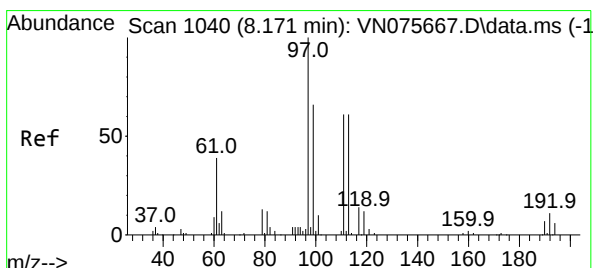
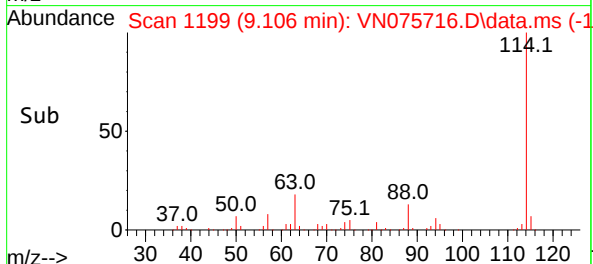
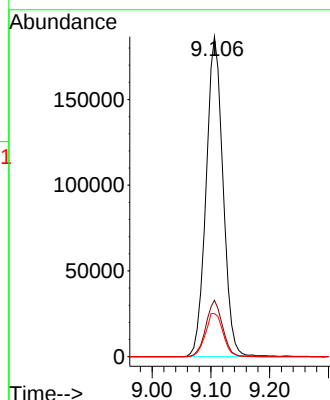
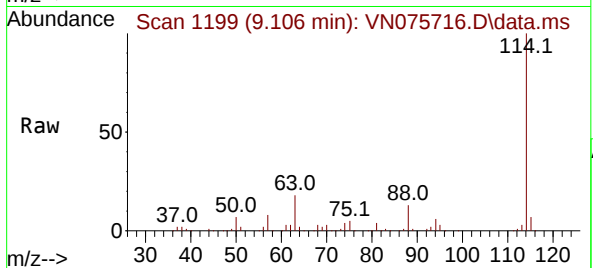
Tgt Ion:114 Resp: 373752

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 13.5 0.0 29.2



#35

Dibromofluoromethane

Concen: 49.723 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075716.D

Acq: 12 Dec 2022 16:29

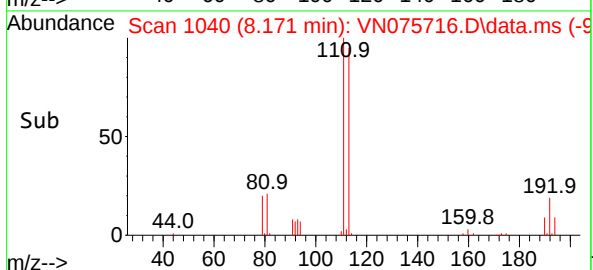
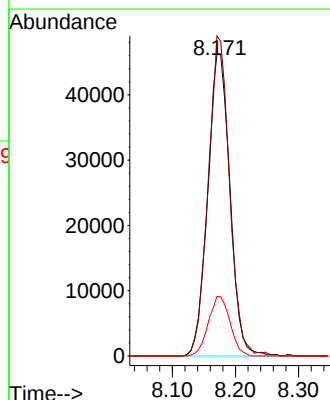
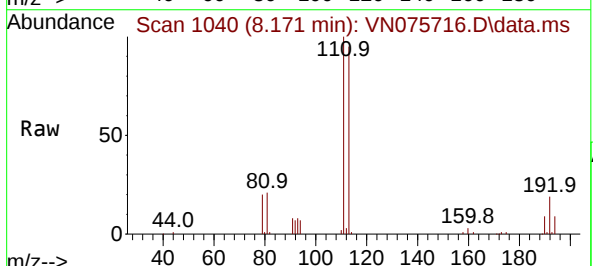
Tgt Ion:113 Resp: 113384

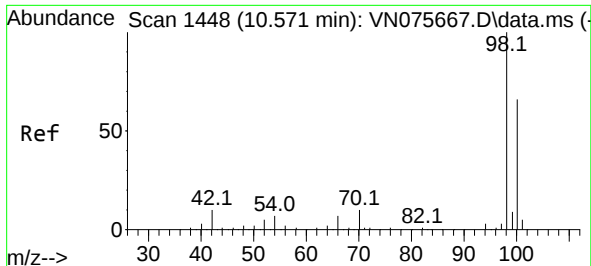
Ion Ratio Lower Upper

113 100

111 101.6 81.0 121.6

192 19.1 16.2 24.2

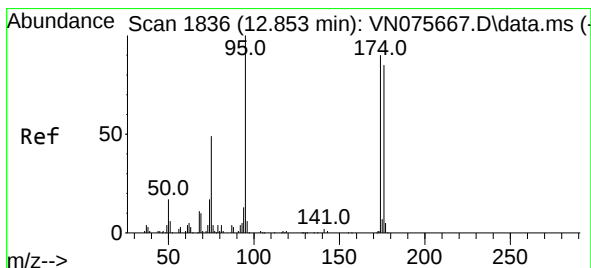
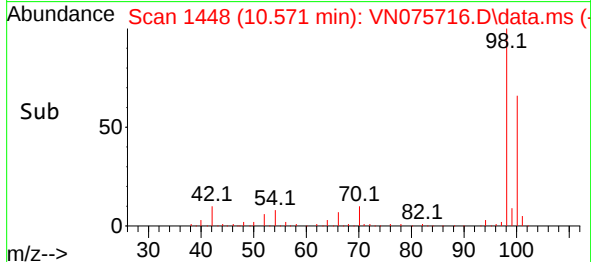
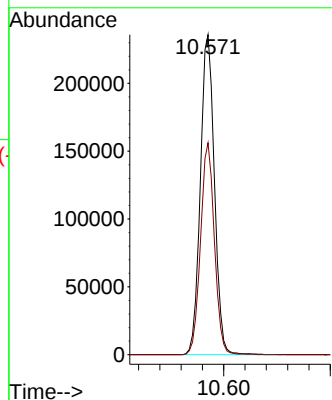
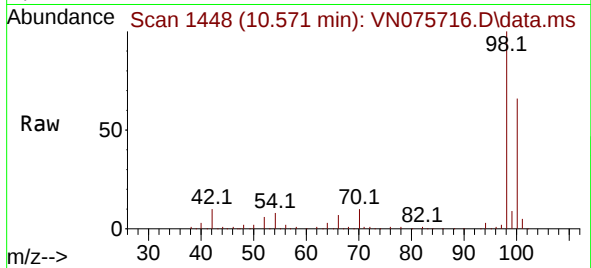




#50
Toluene-d8
Concen: 50.335 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

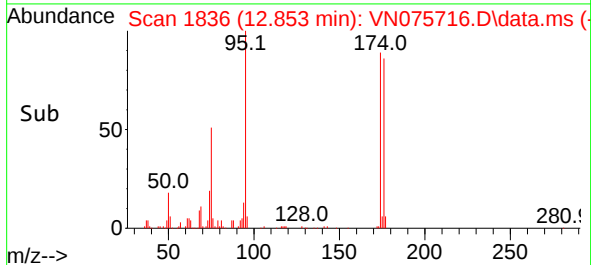
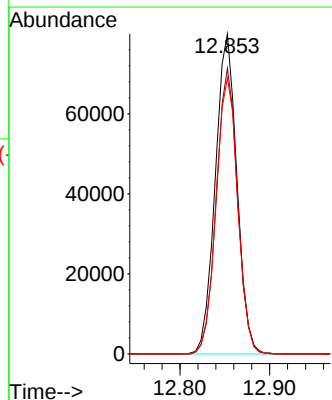
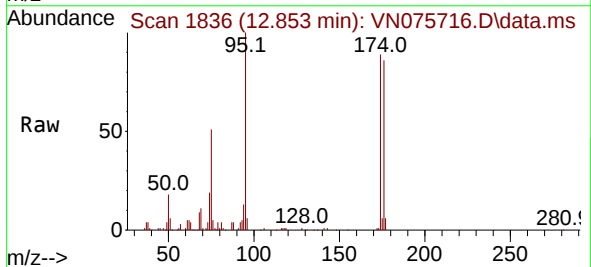
Instrument :
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TB-2022-12-08

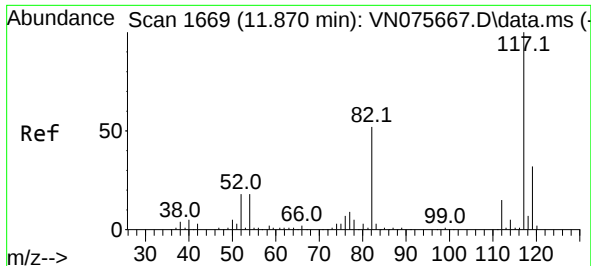
Tgt Ion: 98 Resp: 431051
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.455 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Tgt Ion: 95 Resp: 133089
Ion Ratio Lower Upper
95 100
174 88.0 0.0 178.6
176 86.7 0.0 170.8

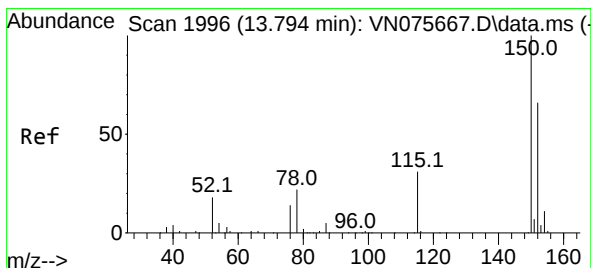
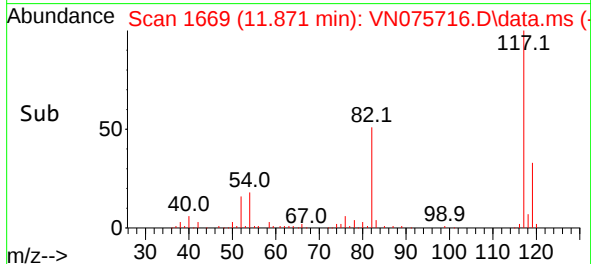
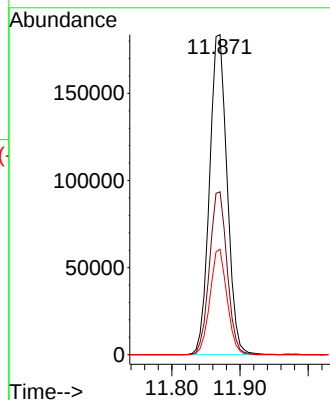
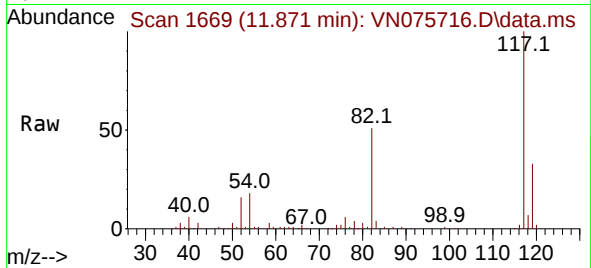




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-08

Tgt Ion:117 Resp: 329502
Ion Ratio Lower Upper
117 100
82 50.9 41.8 62.8
119 32.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075716.D
Acq: 12 Dec 2022 16:29

Tgt Ion:152 Resp: 140149
Ion Ratio Lower Upper
152 100
115 57.6 28.4 85.2
150 156.7 0.0 347.6

