

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053023\
 Data File : VN077974.D
 Acq On : 30 May 2023 17:03
 Operator : JC\MD
 Sample : 02911-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP04-20230522

Quant Time: May 31 02:09:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

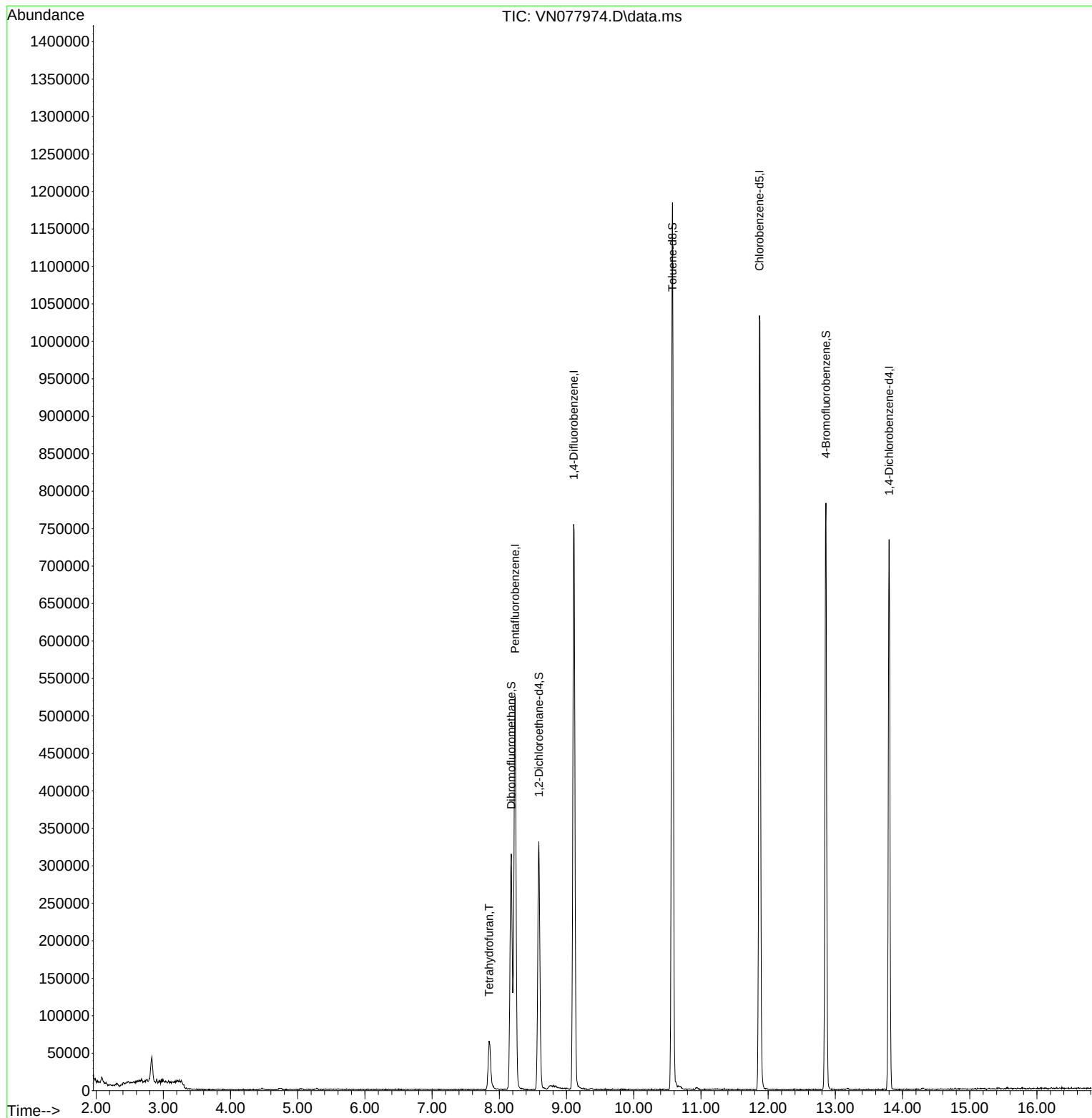
Internal Standards						
1) Pentafluorobenzene	8.236	168	368530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	695211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	621546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	194853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	266381	48.309	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.177	113	225836	49.816	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.577	98	862802	49.446	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.900%		
62) 4-Bromofluorobenzene	12.859	95	278310	45.160	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.320%		
Target Compounds						
29) Tetrahydrofuran	7.847	42	47878	26.944	ug/l	Qvalue 89

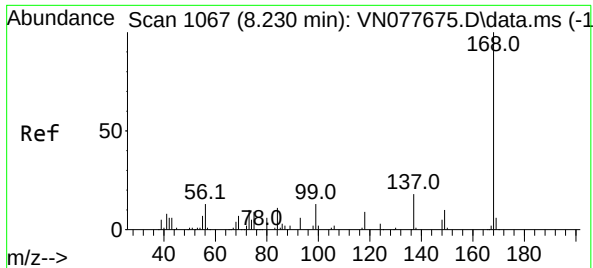
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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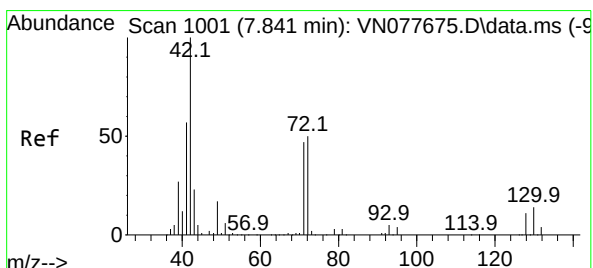
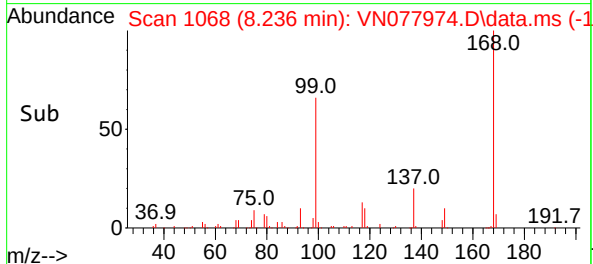
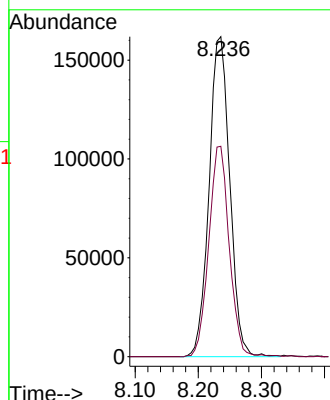
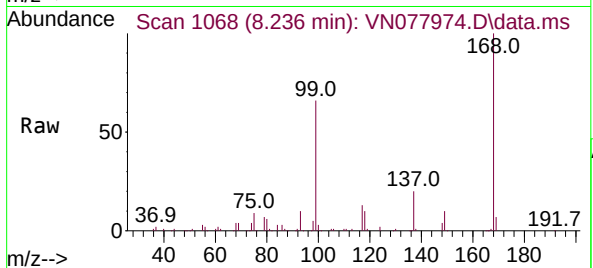




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

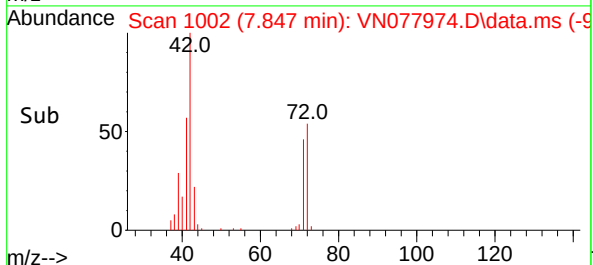
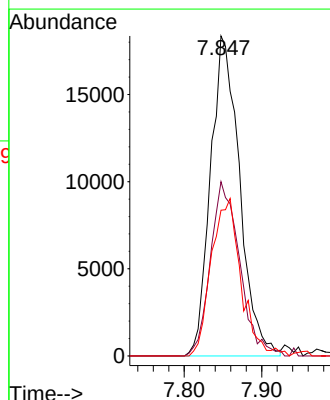
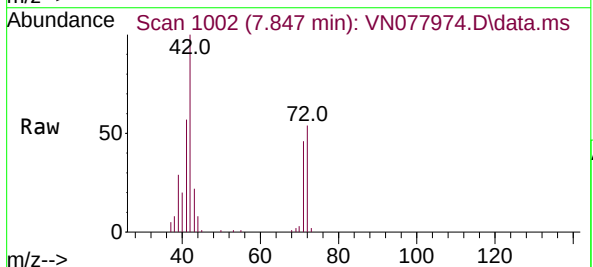
Instrument :
MSVOA_N
ClientSampleId :
DUP04-20230522

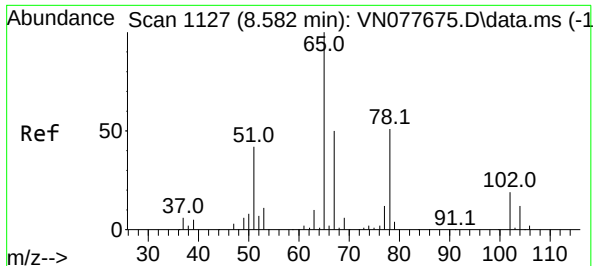
Tgt Ion:168 Resp: 368530
Ion Ratio Lower Upper
168 100
99 65.7 53.0 79.6



#29
Tetrahydrofuran
Concen: 26.944 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 42 Resp: 47878
Ion Ratio Lower Upper
42 100
72 54.7 49.8 74.6
71 49.6 47.4 71.2





#33

1,2-Dichloroethane-d4

Concen: 48.309 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077974.D

Acq: 30 May 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :

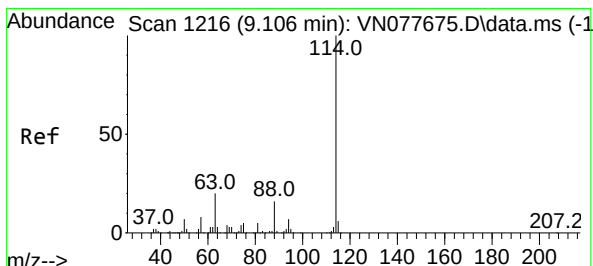
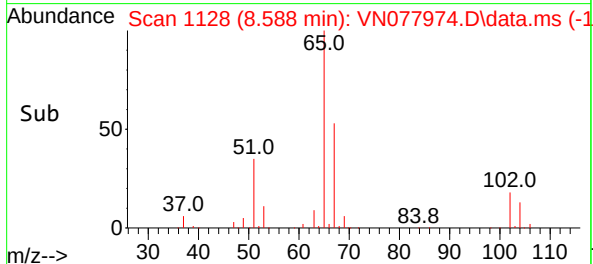
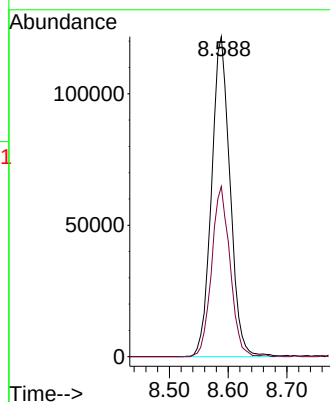
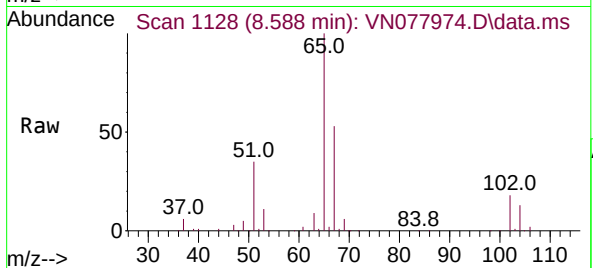
DUP04-20230522

Tgt Ion: 65 Resp: 266381

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077974.D

Acq: 30 May 2023 17:03

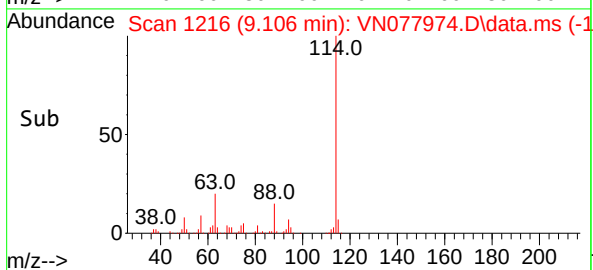
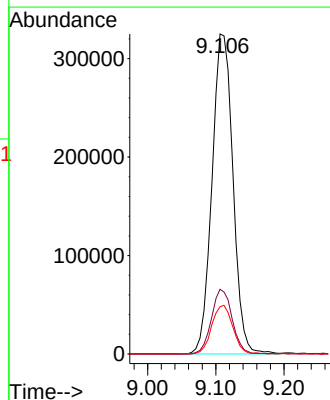
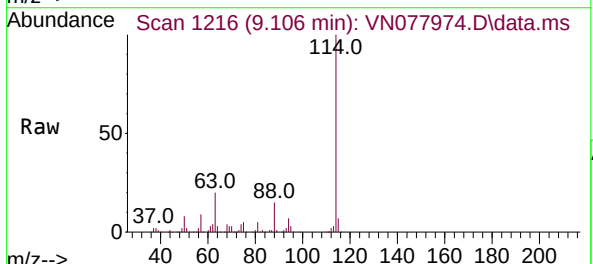
Tgt Ion: 114 Resp: 695211

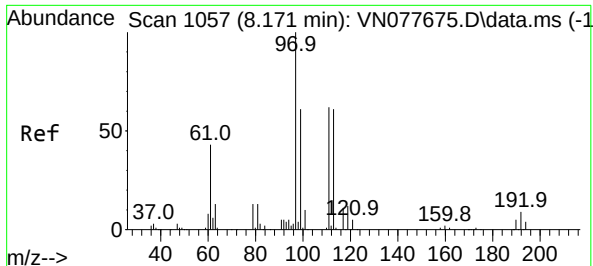
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.816 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN077974.D

Acq: 30 May 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20230522

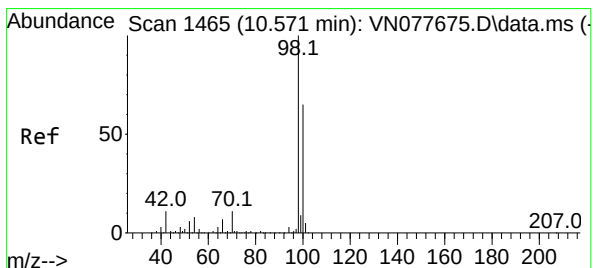
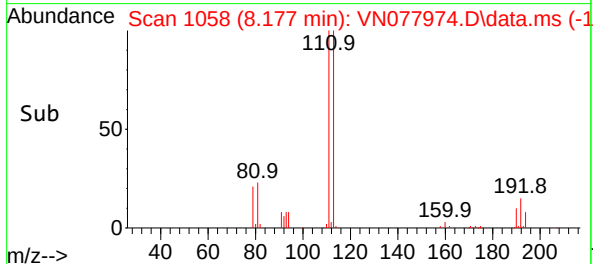
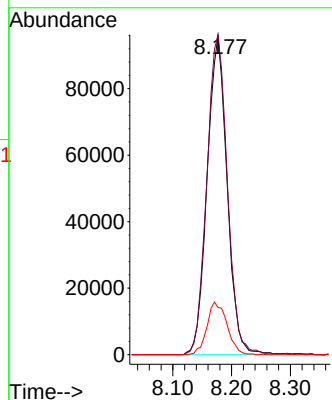
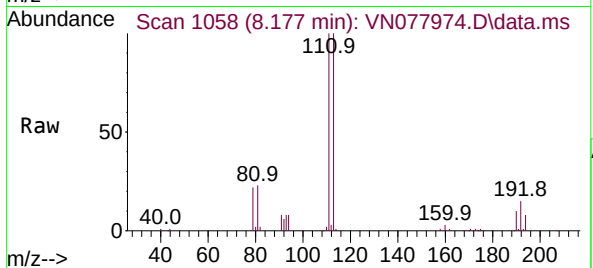
Tgt Ion:113 Resp: 225836

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 16.6 12.7 19.1



#50

Toluene-d8

Concen: 49.446 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN077974.D

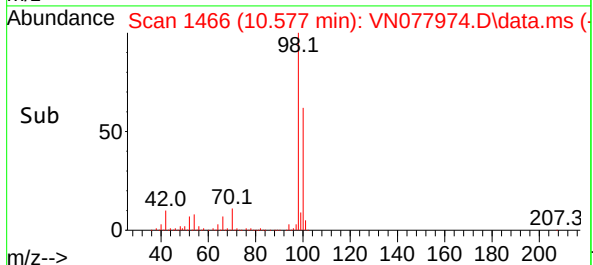
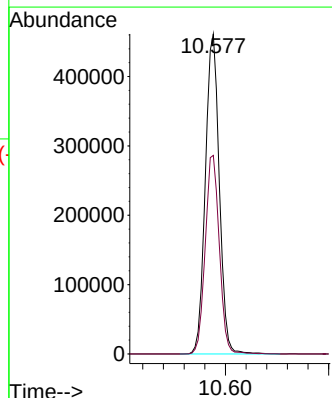
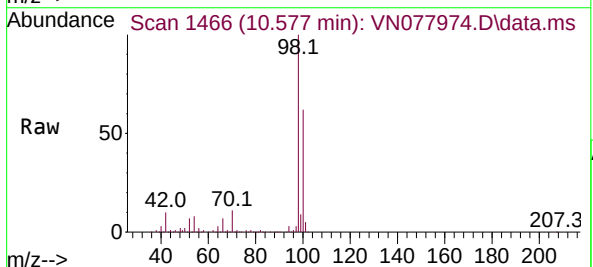
Acq: 30 May 2023 17:03

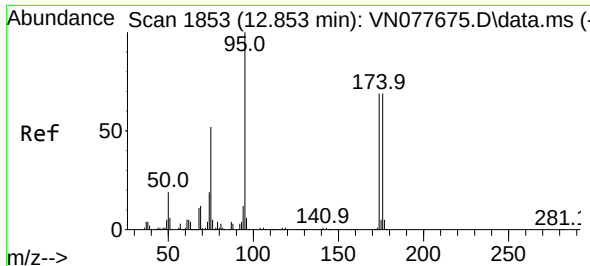
Tgt Ion: 98 Resp: 862802

Ion Ratio Lower Upper

98 100

100 62.8 52.0 78.0

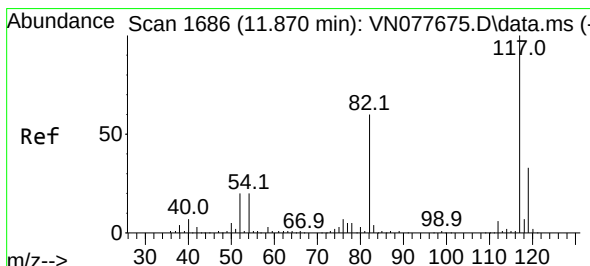
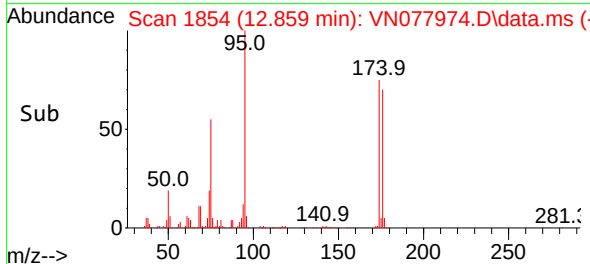
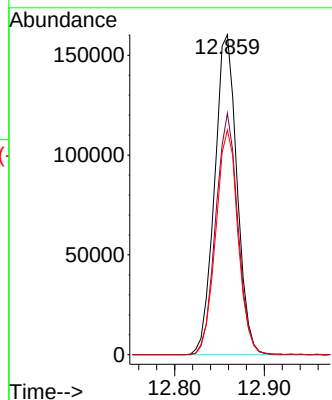
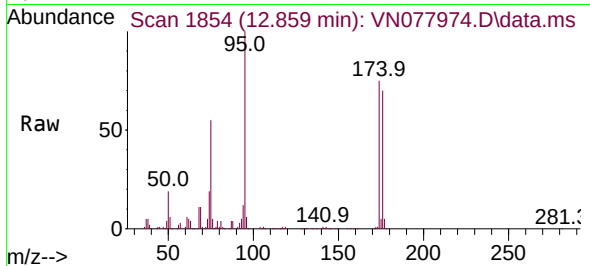




#62
4-Bromofluorobenzene
Concen: 45.160 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

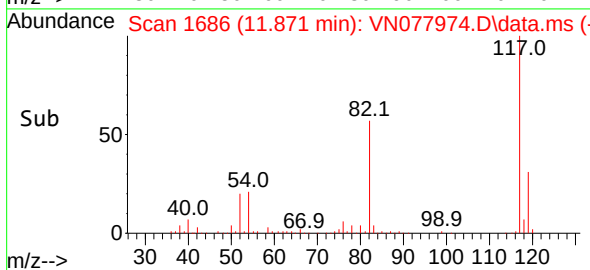
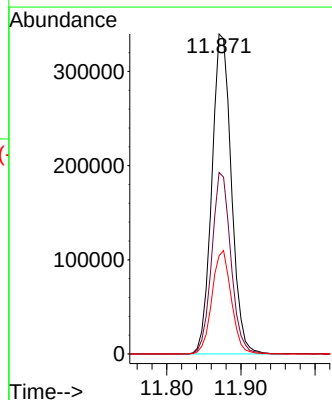
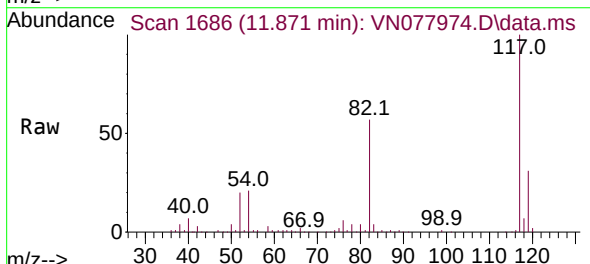
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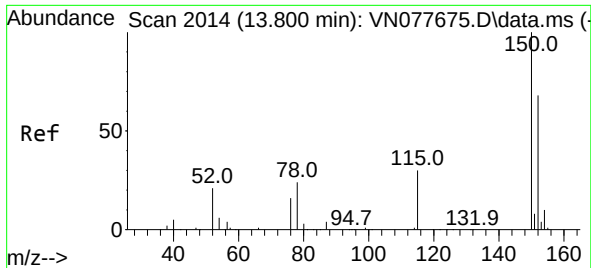
Tgt Ion: 95 Resp: 278310
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 69.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077974.D
Acq: 30 May 2023 17:03

Tgt Ion: 117 Resp: 621546
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 30.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN077974.D

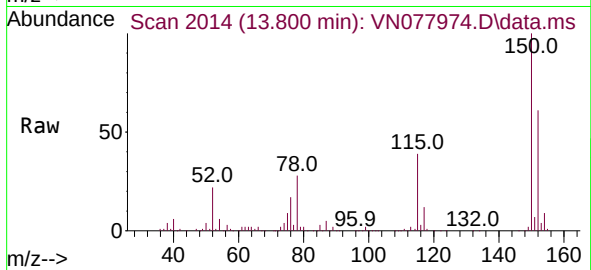
Acq: 30 May 2023 17:03

Instrument :

MSVOA_N

ClientSampleId :

DUP04-20230522



Tgt Ion:152 Resp: 194853

Ion Ratio Lower Upper

152 100

115 62.0 32.3 96.8

150 158.4 0.0 355.8

