

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074666.D
 Acq On : 30 Sep 2022 14:52
 Operator : JC\MD
 Sample : N4863-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2R

Quant Time: Oct 03 02:05:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

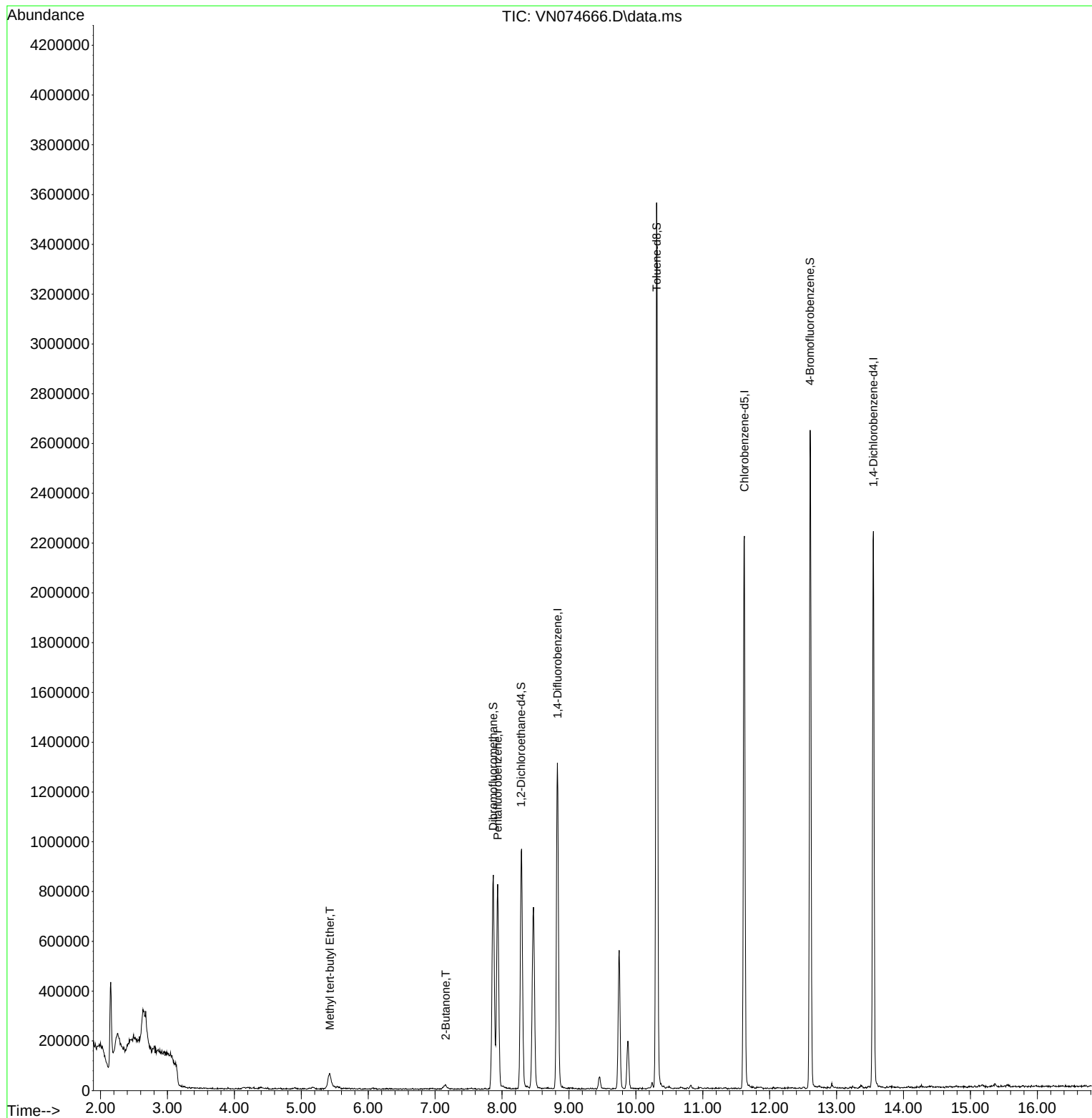
Internal Standards						
1) Pentafluorobenzene	7.934	168	579785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1118247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1183005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	562728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	723715	49.806	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.620%
35) Dibromofluoromethane	7.869	113	598672	50.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.160%
50) Toluene-d8	10.310	98	2342283	47.047	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.100%
62) 4-Bromofluorobenzene	12.604	95	792743	50.216	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.440%
Target Compounds						
					Qvalue	
19) Methyl tert-butyl Ether	5.428	73	97631	2.362	ug/l	96
25) 2-Butanone	7.157	43	14567	1.089	ug/l #	79

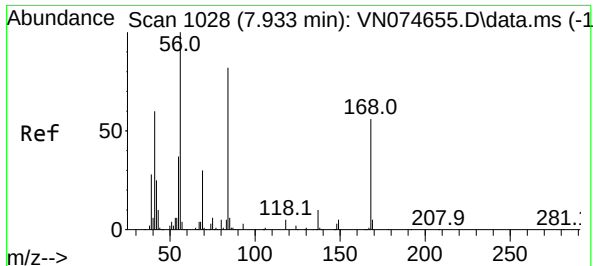
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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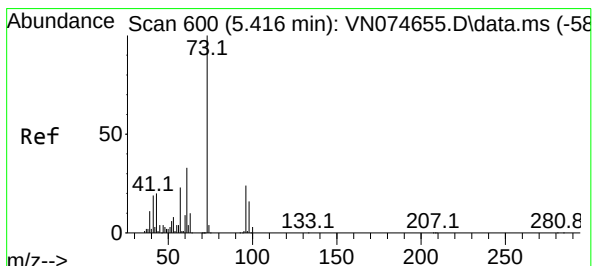
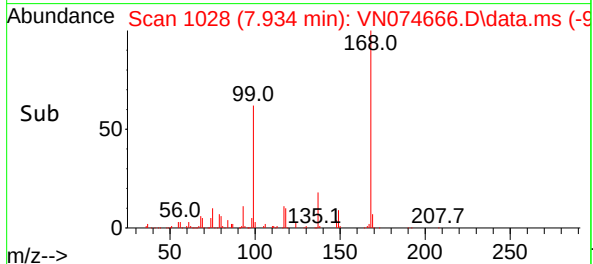
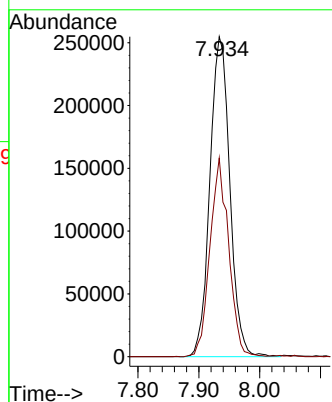
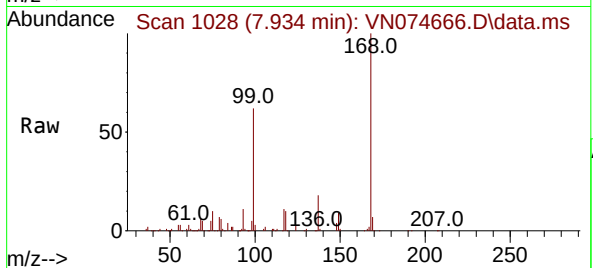




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

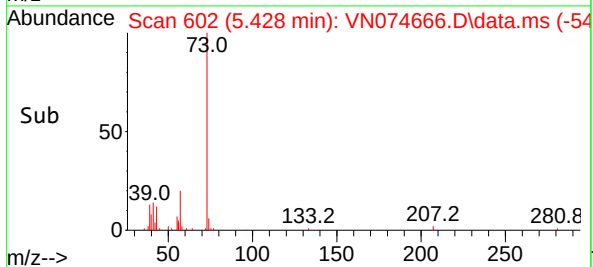
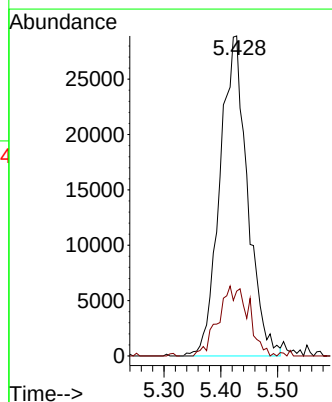
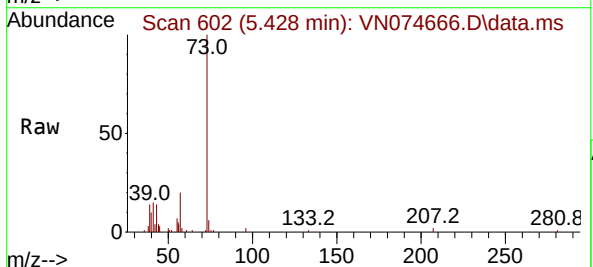
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

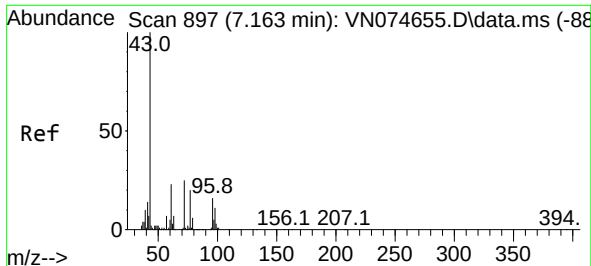
Tgt Ion:168 Resp: 579785
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#19
Methyl tert-butyl Ether
Concen: 2.362 ug/l
RT: 5.428 min Scan# 602
Delta R.T. 0.012 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 73 Resp: 97631
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4





#25

2-Butanone

Concen: 1.089 ug/l

RT: 7.157 min Scan# 897

Delta R.T. -0.006 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

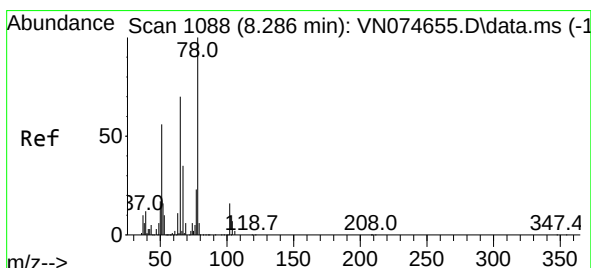
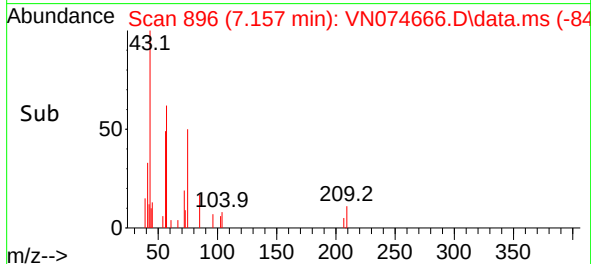
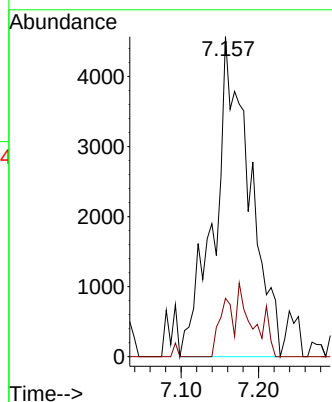
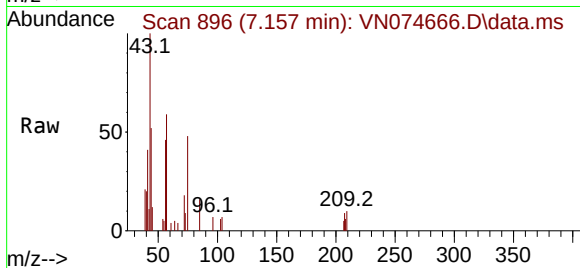
MW-2R

Tgt Ion: 43 Resp: 14567

Ion Ratio Lower Upper

43 100

72 18.3 23.7 35.5#



#33

1,2-Dichloroethane-d4

Concen: 49.806 ug/l

RT: 8.287 min Scan# 1088

Delta R.T. 0.001 min

Lab File: VN074666.D

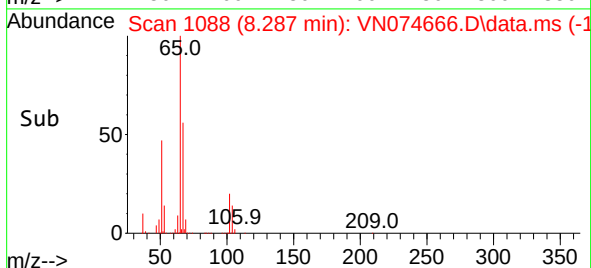
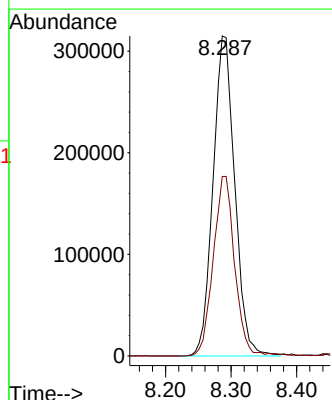
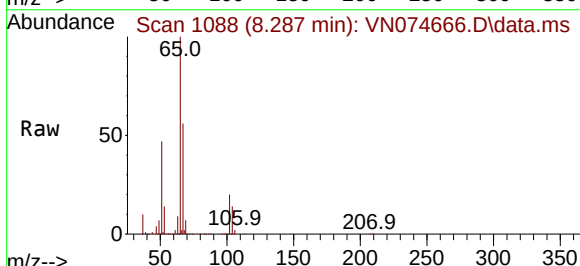
Acq: 30 Sep 2022 14:52

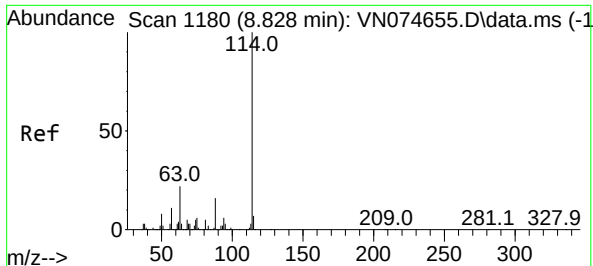
Tgt Ion: 65 Resp: 723715

Ion Ratio Lower Upper

65 100

67 55.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.828 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

MW-2R

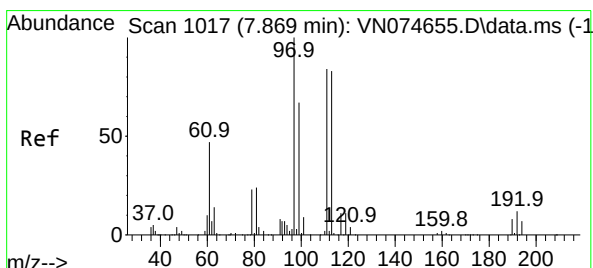
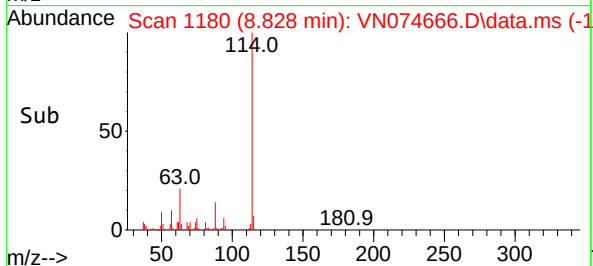
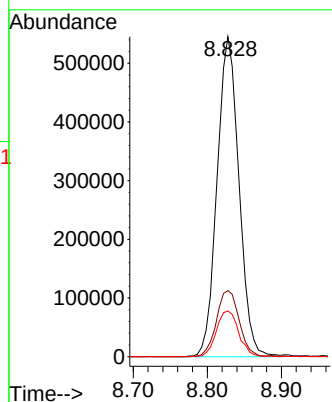
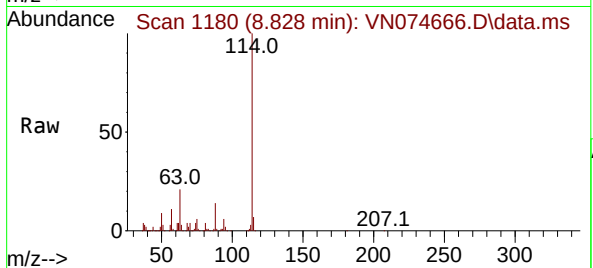
Tgt Ion:114 Resp: 1118247

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 50.580 ug/l

RT: 7.869 min Scan# 1017

Delta R.T. -0.000 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

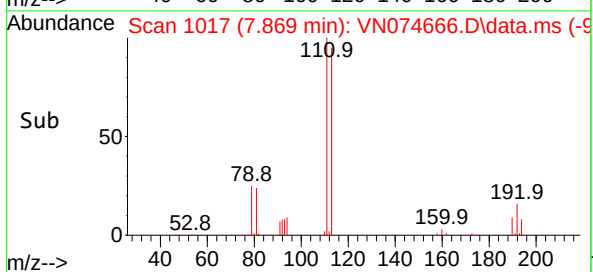
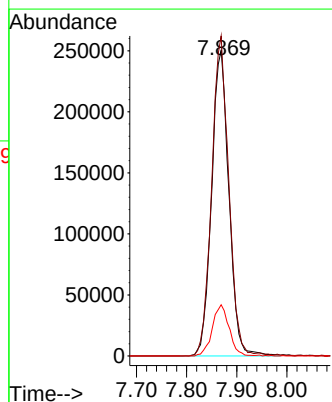
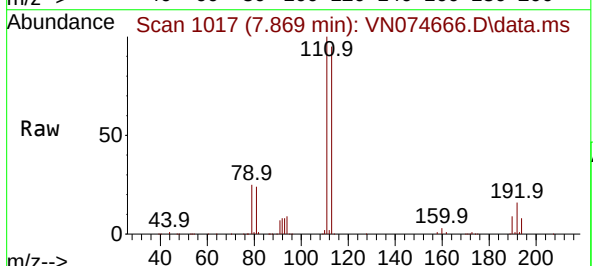
Tgt Ion:113 Resp: 598672

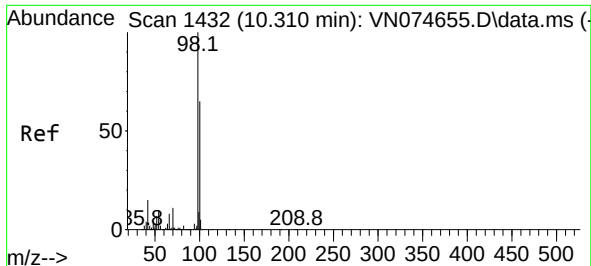
Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 16.3 17.0 25.6#

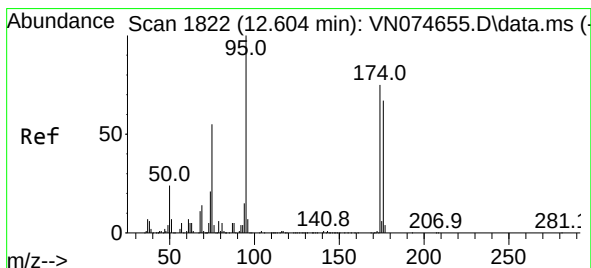
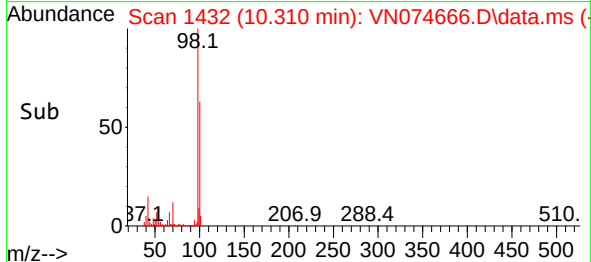
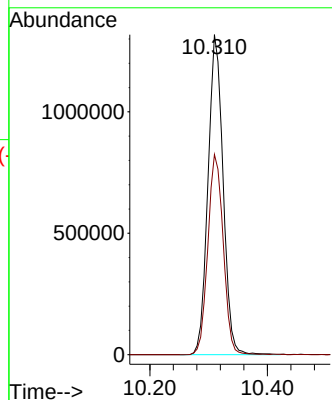
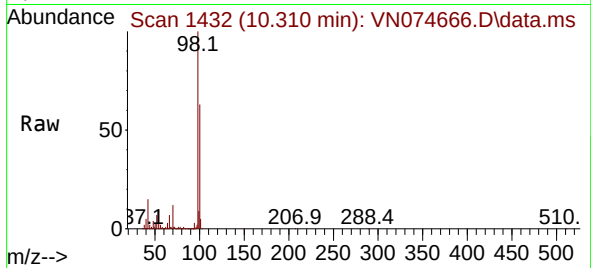




#50
Toluene-d8
Concen: 47.047 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

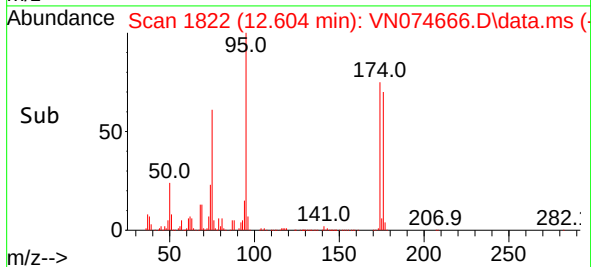
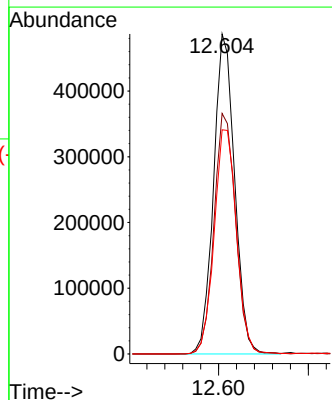
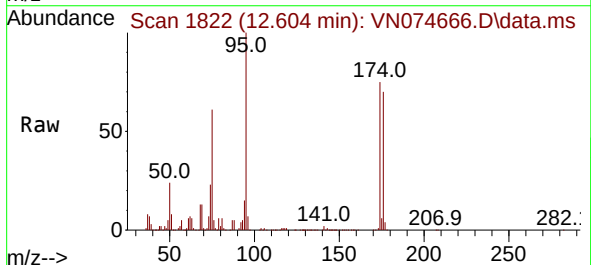
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

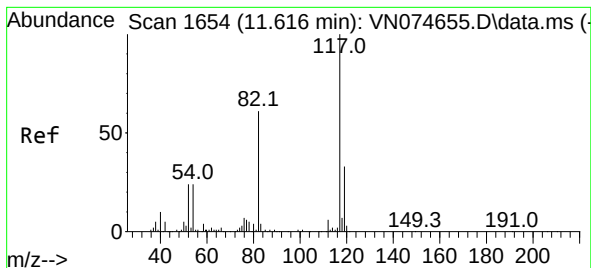
Tgt Ion: 98 Resp: 2342283
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.216 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 95 Resp: 792743
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 74.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.622 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

MW-2R

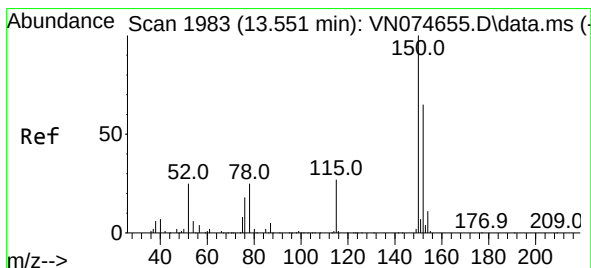
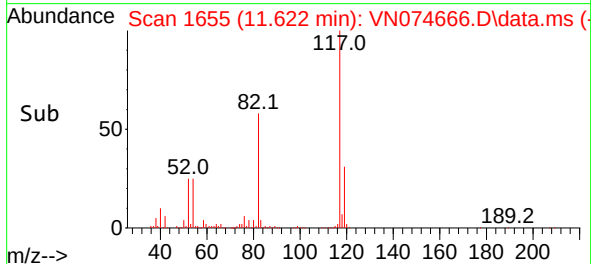
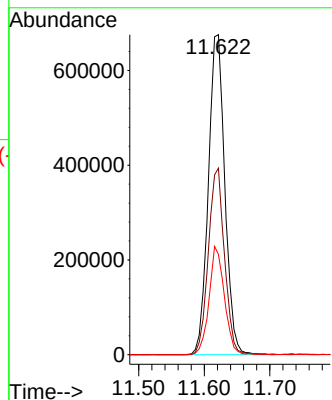
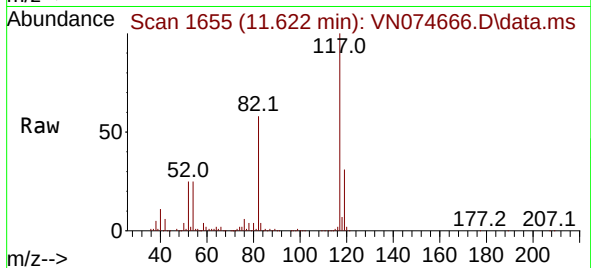
Tgt Ion:117 Resp: 1183005

Ion Ratio Lower Upper

117 100

82 58.3 44.2 66.2

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.551 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Tgt Ion:152 Resp: 562728

Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 155.5 0.0 356.2

