

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079684.D
 Acq On : 25 Oct 2023 16:14
 Operator : JC\MD
 Sample : 05054-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

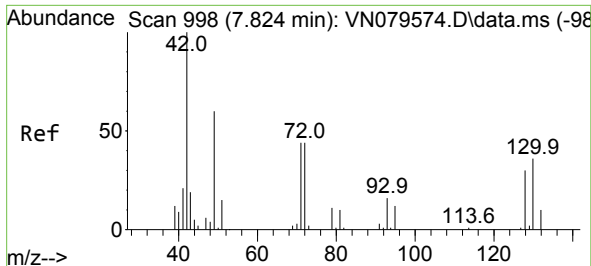
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:37:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	18571	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	118244	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	137509	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	81423	30.838	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	= 102.800%		
60) 4-Bromofluorobenzene	12.853	95	54495	21.671	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	= 72.233%		
63) Toluene-d8	10.571	98	165765	28.132	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	= 93.767%		
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.271	84	1275	0.414	ug/l #	62
25) Chloroform	7.977	83	1265	0.225	ug/l	98
36) 1,2-Dichloroethane	9.106	62	4633	1.236	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	3299	1.308	ug/l #	1
58) 4-Methyl-2-Pentanone	10.576	43	815	0.254	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	30835	9.719	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	30835	31.844	ug/l #	7

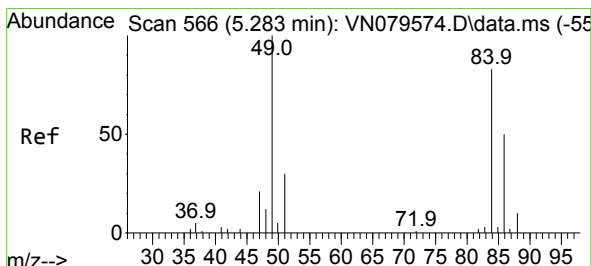
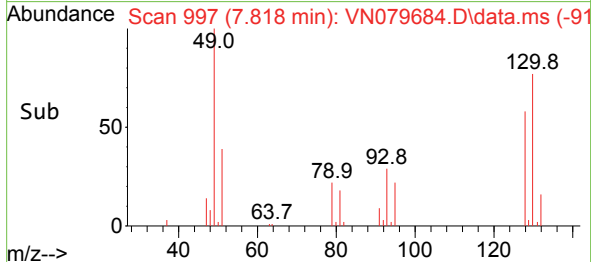
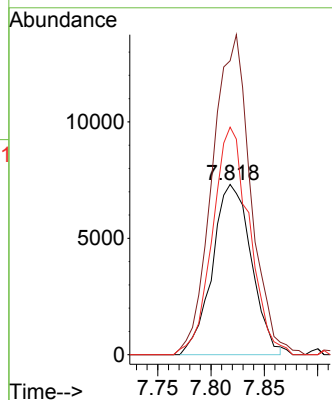
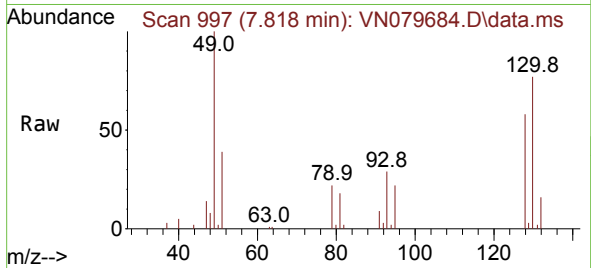
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

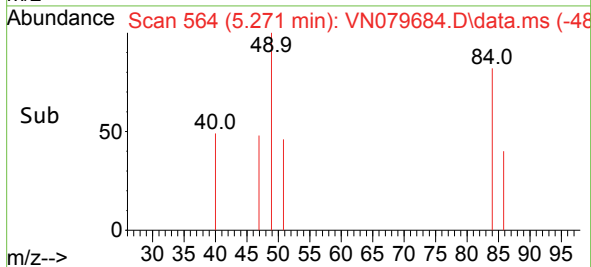
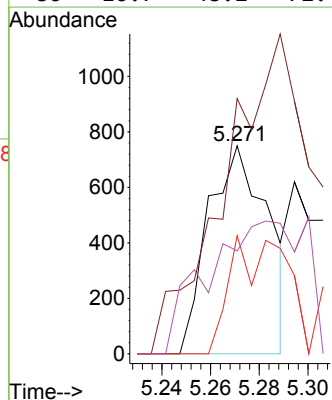
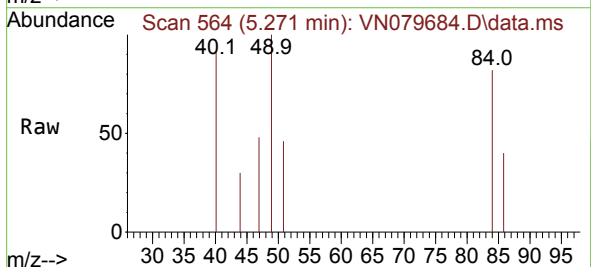
Instrument :
MSVOA_N
ClientSampleId :

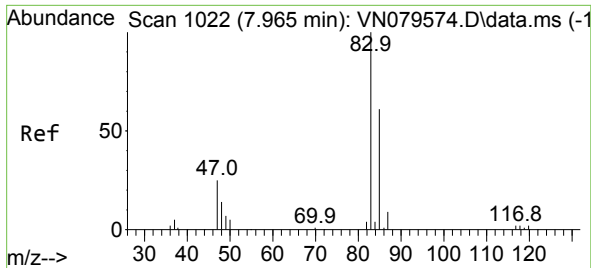
Tgt Ion:128 Resp: 18571
Ion Ratio Lower Upper
128 100
49 185.8 0.0 468.5
130 126.8 0.0 320.7



#18
Methylene Chloride
Concen: 0.414 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.012 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

Tgt Ion: 84 Resp: 1275
Ion Ratio Lower Upper
84 100
49 92.0 100.9 151.3#
51 56.8 29.4 44.2#
86 16.7 48.2 72.4#





#25

Chloroform

Concen: 0.225 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. 0.012 min

Lab File: VN079684.D

Acq: 25 Oct 2023 16:14

Instrument :

MSVOA_N

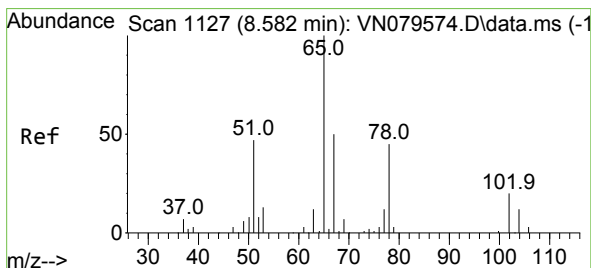
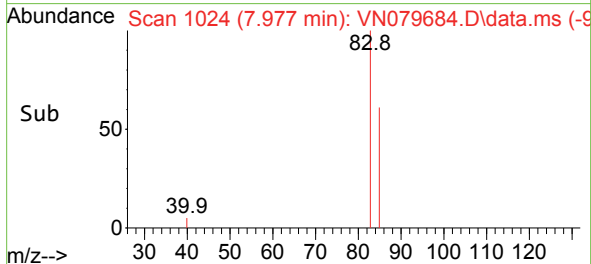
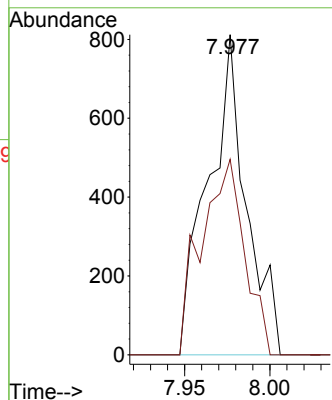
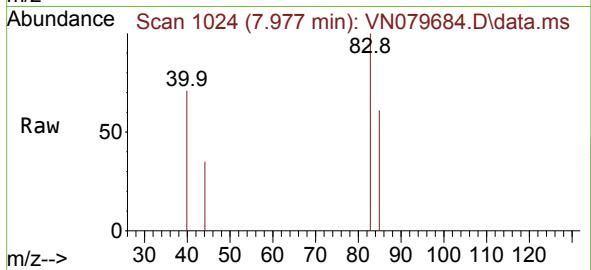
ClientSampleId :

Tgt Ion: 83 Resp: 1265

Ion Ratio Lower Upper

83 100

85 61.1 47.4 71.2



#27

1,2-Dichloroethane-d4

Concen: 30.838 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN079684.D

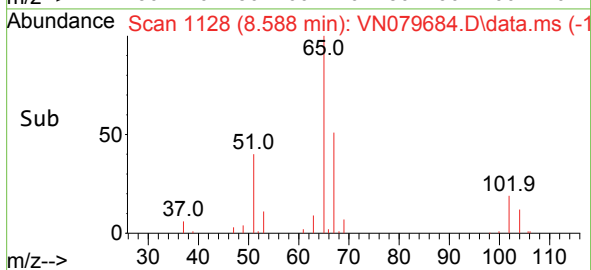
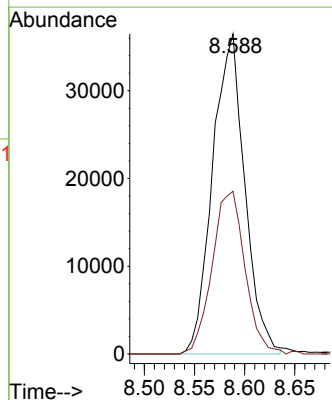
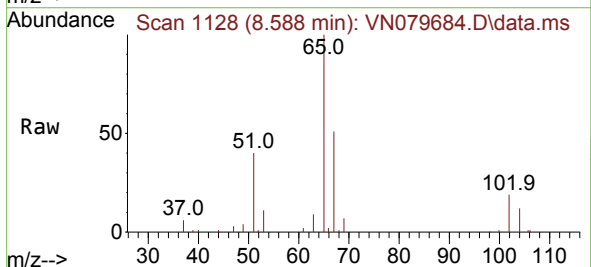
Acq: 25 Oct 2023 16:14

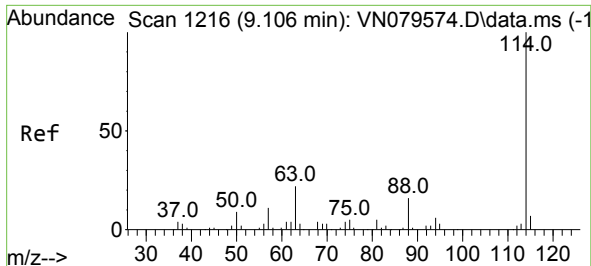
Tgt Ion: 65 Resp: 81423

Ion Ratio Lower Upper

65 100

67 51.8 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079684.D

Acq: 25 Oct 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

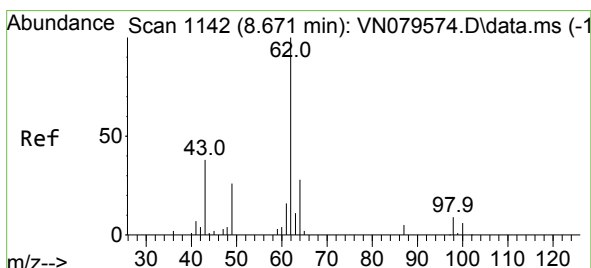
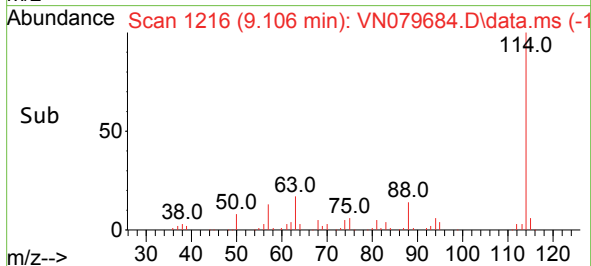
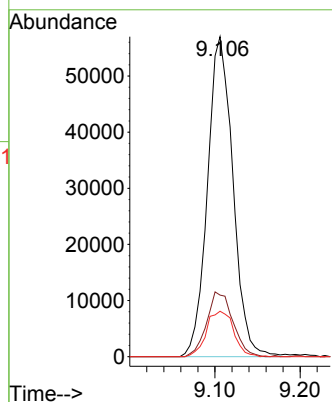
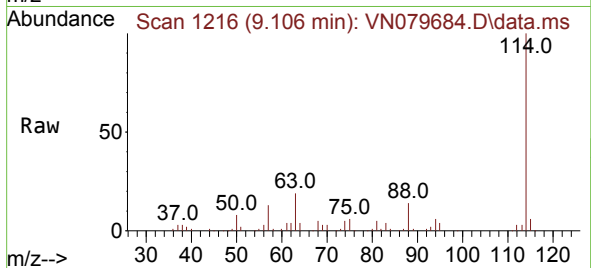
Tgt Ion:114 Resp: 118244

Ion Ratio Lower Upper

114 100

63 20.8 18.1 27.1

88 15.2 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.236 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN079684.D

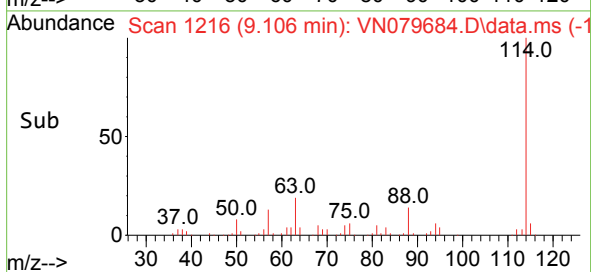
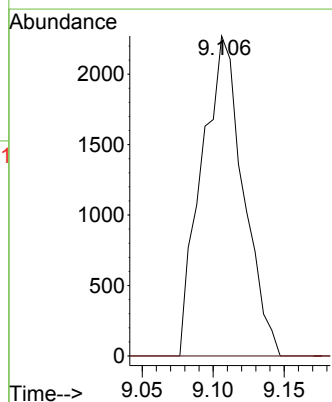
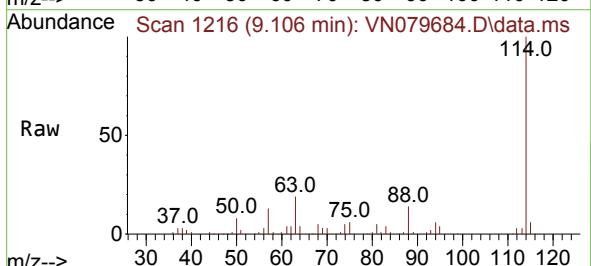
Acq: 25 Oct 2023 16:14

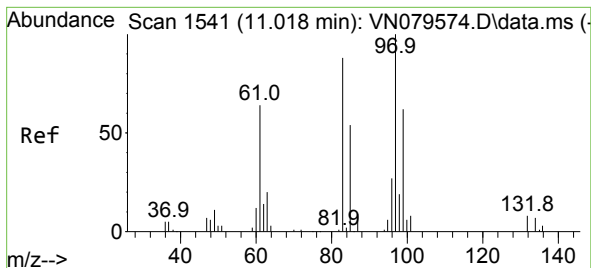
Tgt Ion: 62 Resp: 4633

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#





#50

1,1,2-Trichloroethane

Concen: 1.308 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

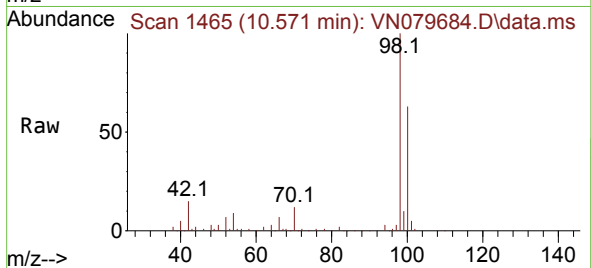
Lab File: VN079684.D

Acq: 25 Oct 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 3299

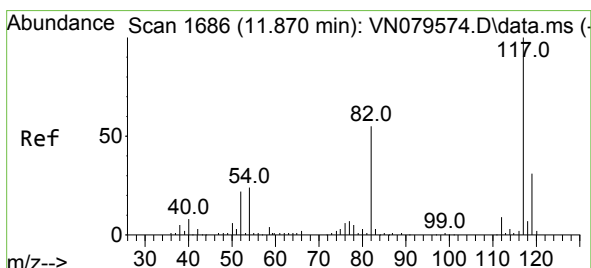
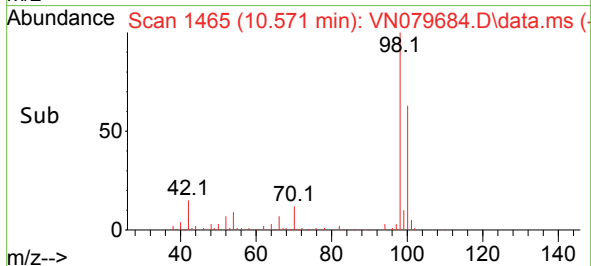
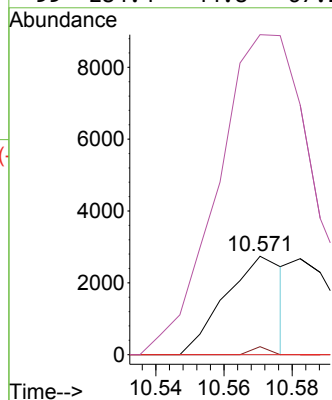
Ion Ratio Lower Upper

97 100

83 8.1 68.2 102.4#

85 0.0 42.9 64.3#

99 284.4 44.8 67.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079684.D

Acq: 25 Oct 2023 16:14

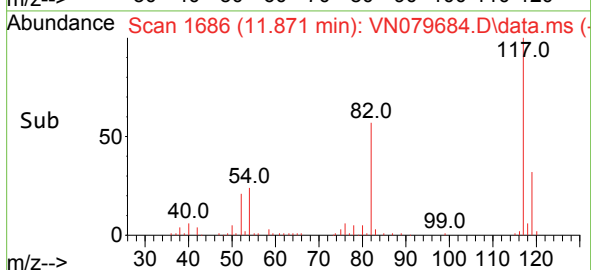
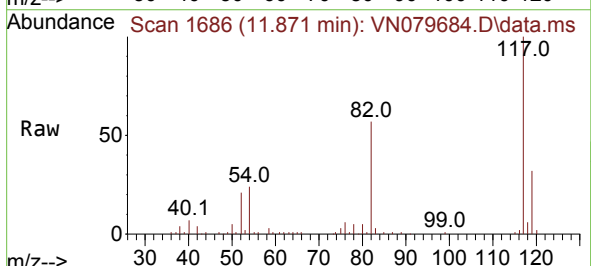
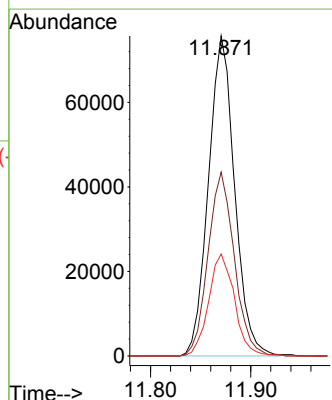
Tgt Ion: 117 Resp: 137509

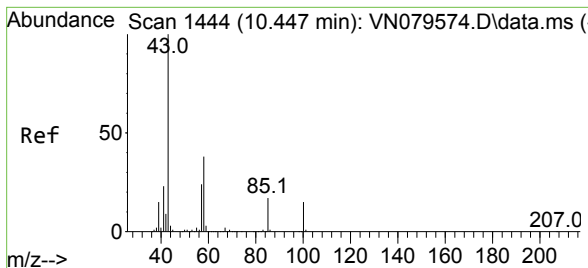
Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.2

119 31.5 25.2 37.8

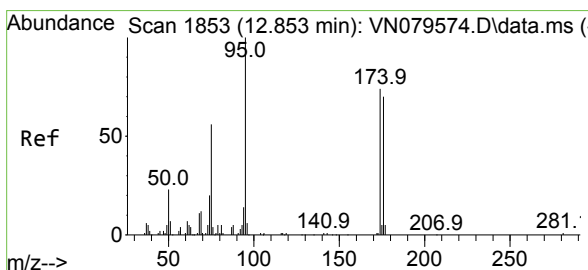
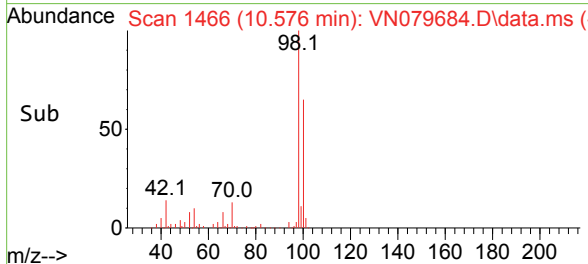
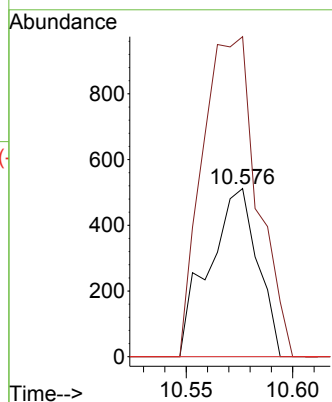
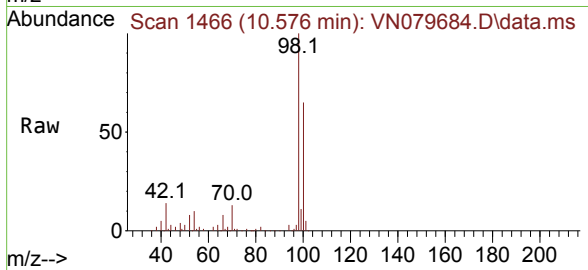




#58
4-Methyl-2-Pentanone
Concen: 0.254 ug/l
RT: 10.576 min Scan# 1444
Delta R.T. 0.130 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

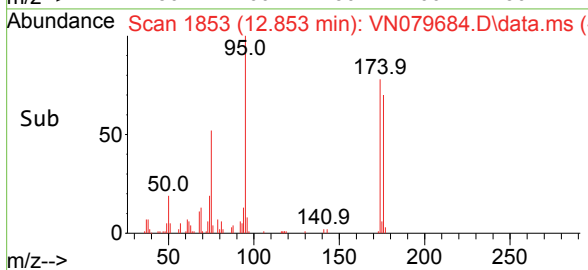
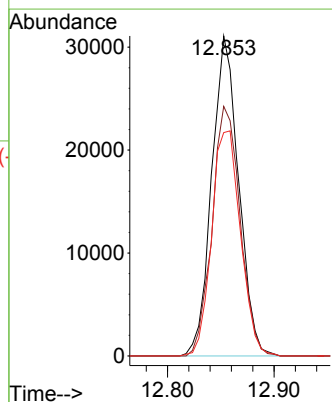
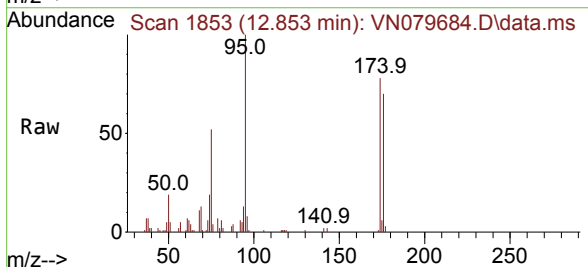
Instrument :
MSVOA_N
ClientSampleId :

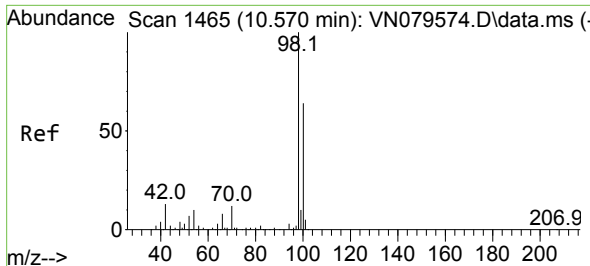
Tgt Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
58 214.4 30.4 45.6#
85 0.0 13.2 19.8#



#60
4-Bromofluorobenzene
Concen: 21.671 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

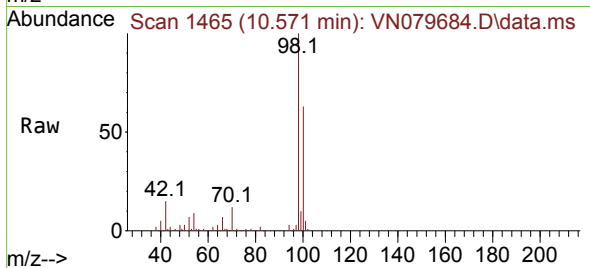
Tgt Ion: 95 Resp: 54495
Ion Ratio Lower Upper
95 100
174 81.2 60.5 90.7
176 75.4 57.2 85.8



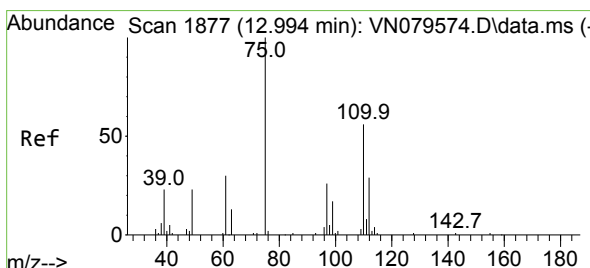
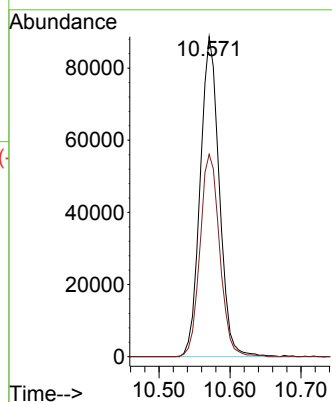
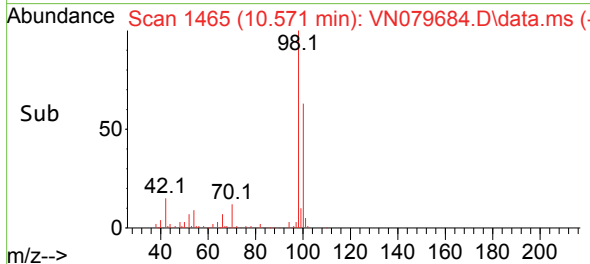


#63
Toluene-d8
Concen: 28.132 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :

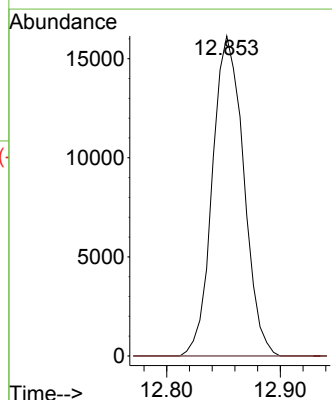
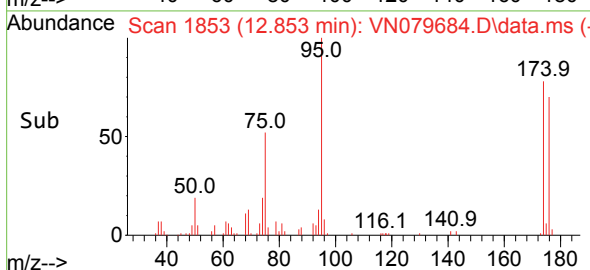
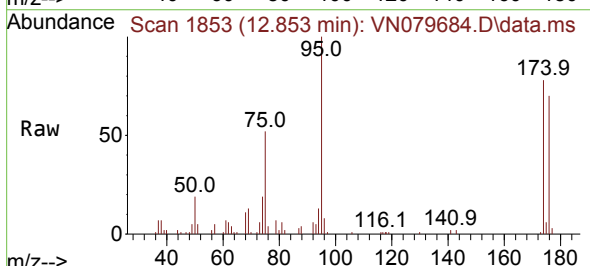


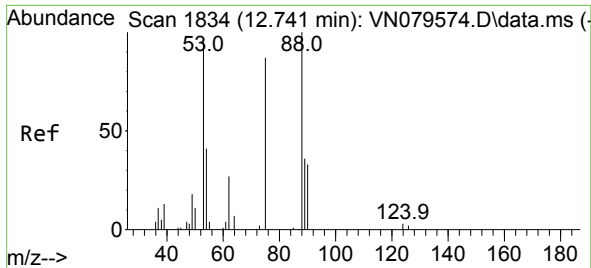
Tgt Ion: 98 Resp: 165765
Ion Ratio Lower Upper
98 100
100 65.2 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 9.719 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079684.D
Acq: 25 Oct 2023 16:14

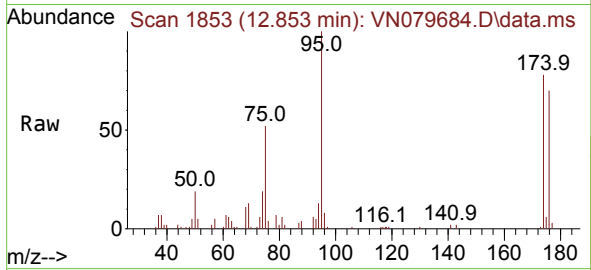
Tgt Ion: 75 Resp: 30835
Ion Ratio Lower Upper
75 100
77 0.0 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 31.844 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079684.D
 Acq: 25 Oct 2023 16:14

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 30835
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

