

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079630.D
 Acq On : 20 Oct 2023 16:05
 Operator : JC\MD
 Sample : 05000-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

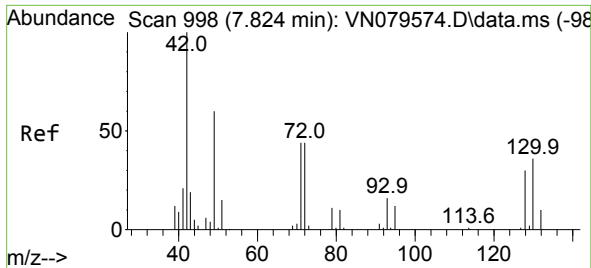
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:50:49 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	17787	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	114517	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	134495	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	79748	31.534	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.100%
60) 4-Bromofluorobenzene	12.853	95	48889	19.877	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.267%
63) Toluene-d8	10.571	98	167403	29.047	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
13) Acrolein	4.424	56	225	0.471	ug/l #	1
15) Acetone	4.424	58	384930	878.236	ug/l	85
18) Methylene Chloride	5.289	84	598	0.203	ug/l #	19
23) tert-Butyl Alcohol	5.553	59	172	0.372	ug/l #	100
25) Chloroform	7.971	83	100184	18.622	ug/l	85
30) 2-Butanone	7.500	43	1546	0.922	ug/l #	56
33) Carbon Tetrachloride	7.971	117	1194	0.353	ug/l #	79
36) 1,2-Dichloroethane	9.100	62	4369	1.203	ug/l #	75
38) Methylcyclohexane	9.894	83	19057	5.914	ug/l #	17
40) Dibromomethane	9.900	93	663	0.377	ug/l #	7
41) Bromodichloromethane	9.894	83	19057	5.222	ug/l #	95
50) 1,1,2-Trichloroethane	10.577	97	6254	2.560	ug/l #	1
51) Ethyl methacrylate	10.571	69	776	0.230	ug/l #	57
53) Dibromochloromethane	11.365	129	3849	1.542	ug/l	99
72) 1,2,3-Trichloropropane	12.853	75	29029	9.355	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	29029	30.651	ug/l #	7

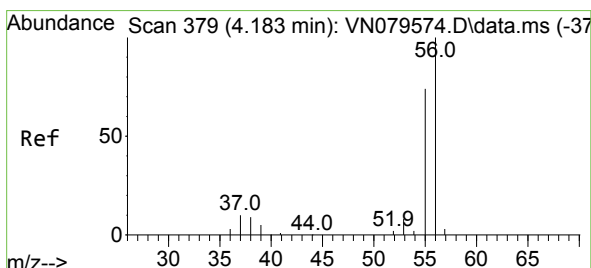
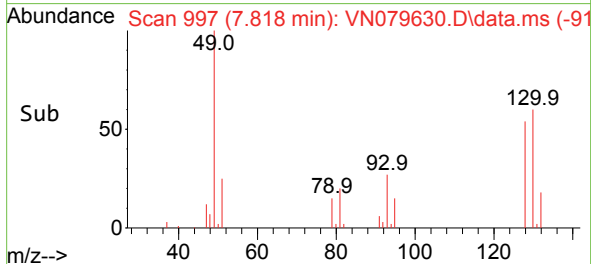
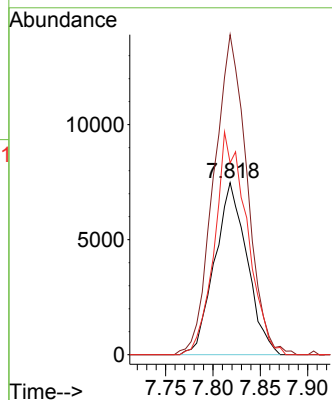
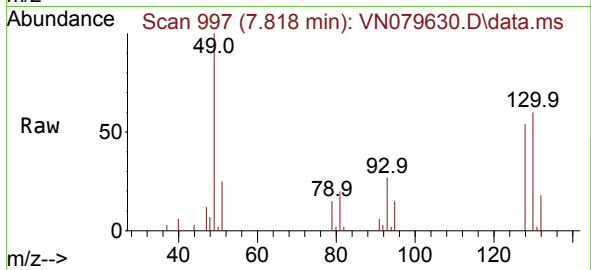
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

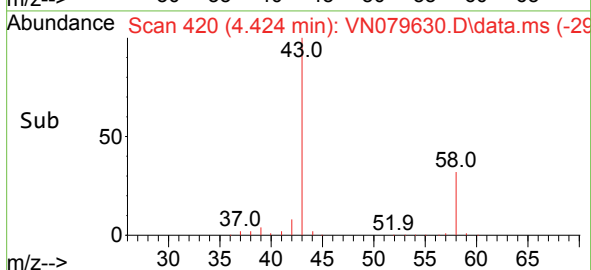
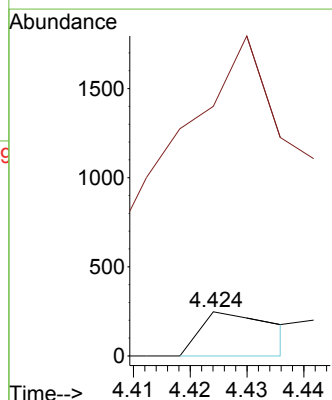
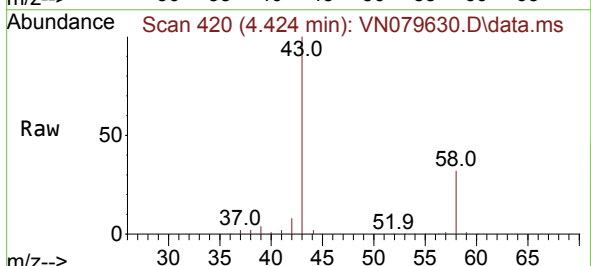
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MSVOA_N
ClientSampleId :

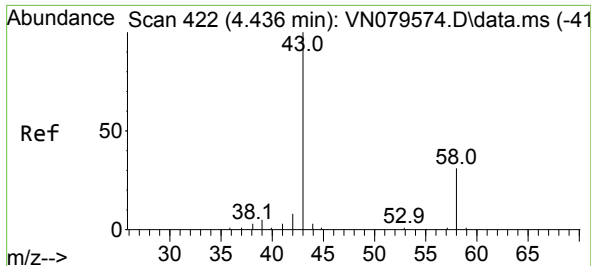
Tgt Ion:128 Resp: 17787
Ion Ratio Lower Upper
128 100
49 190.7 0.0 468.5
130 129.3 0.0 320.7



#13
Acrolein
Concen: 0.471 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.241 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 1892.9 57.1 85.7#

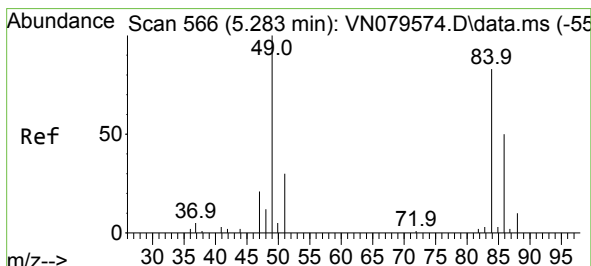
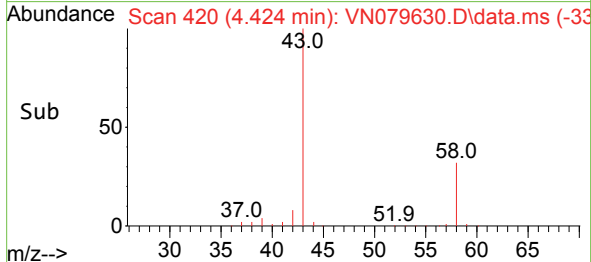
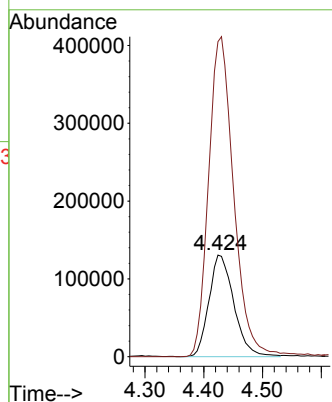
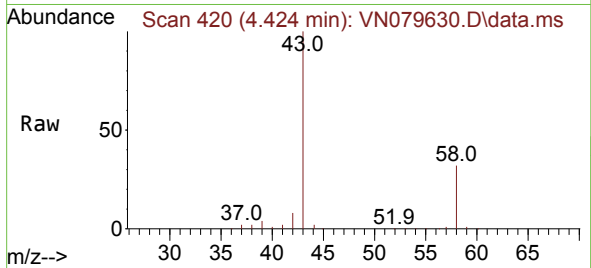




#15
Acetone
Concen: 878.236 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

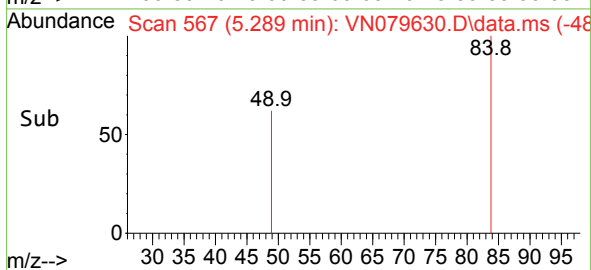
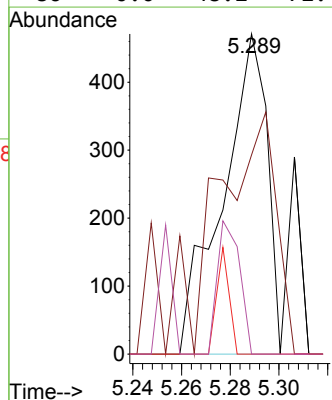
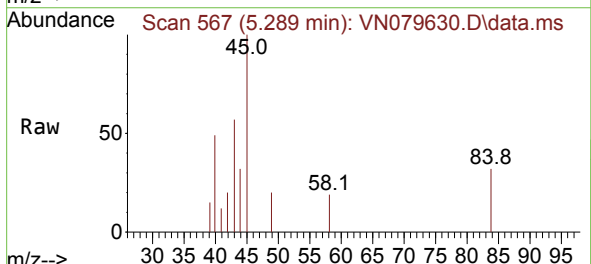
Instrument :
MSVOA_N
ClientSampleId :

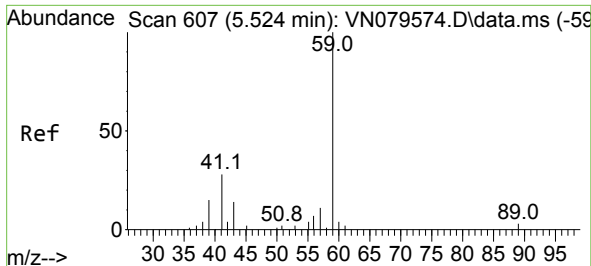
Tgt Ion: 58 Resp: 384930
Ion Ratio Lower Upper
58 100
43 310.2 225.2 337.8



#18
Methylene Chloride
Concen: 0.203 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

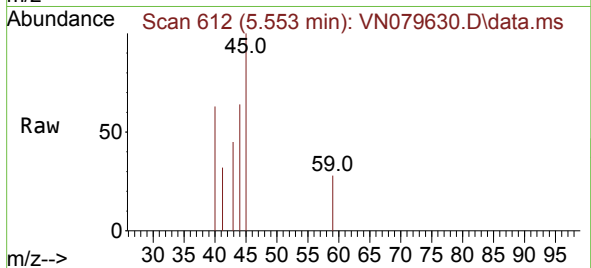
Tgt Ion: 84 Resp: 598
Ion Ratio Lower Upper
84 100
49 25.9 100.9 151.3#
51 0.0 29.4 44.2#
86 0.0 48.2 72.4#



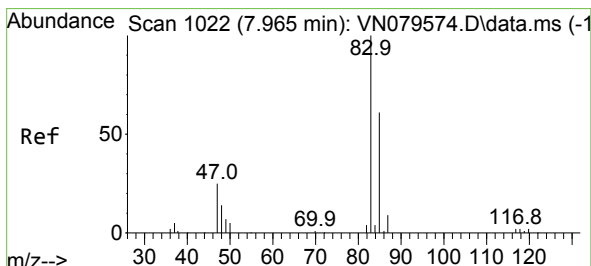
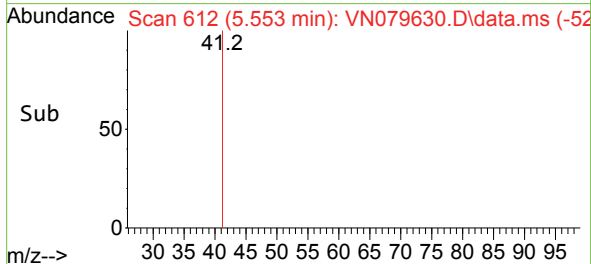
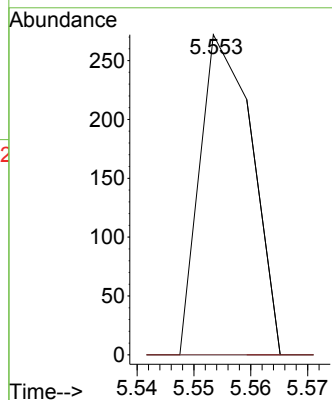


#23
tert-Butyl Alcohol
Concen: 0.372 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.030 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

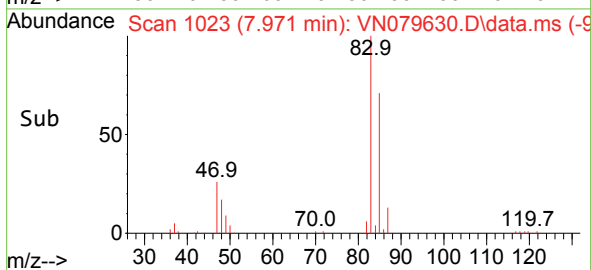
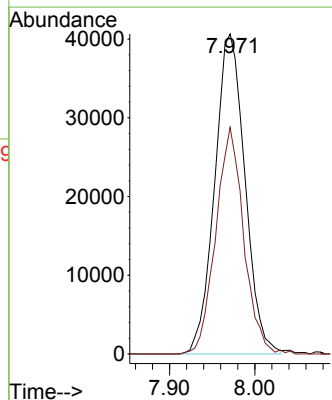
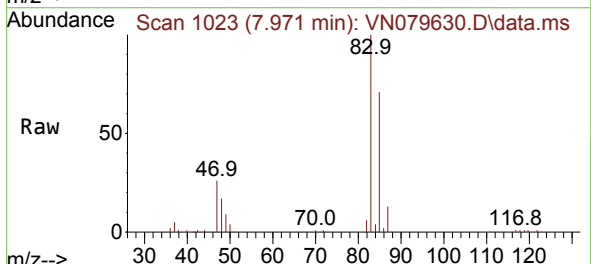


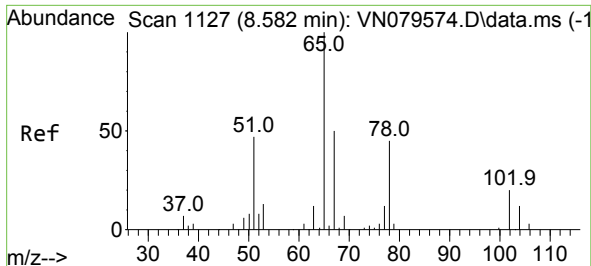
Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 18.622 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Tgt Ion: 83 Resp: 100184
Ion Ratio Lower Upper
83 100
85 70.8 47.4 71.2

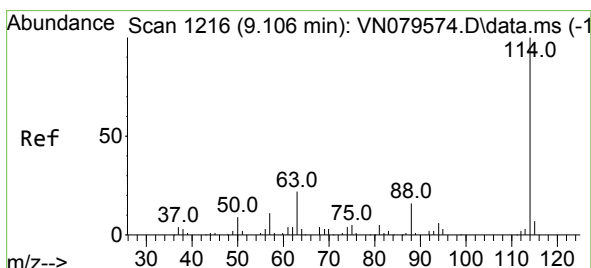
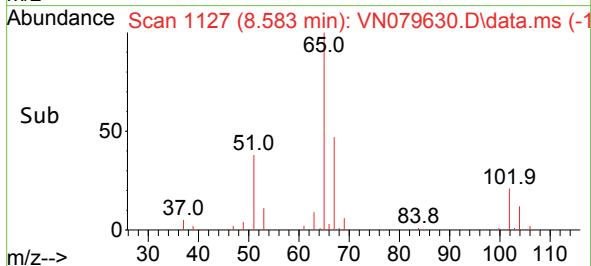
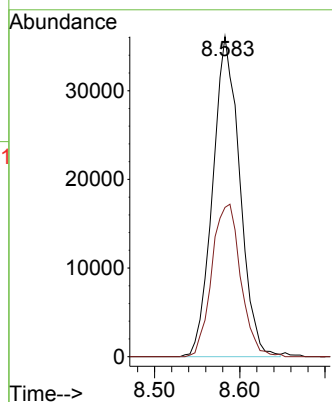
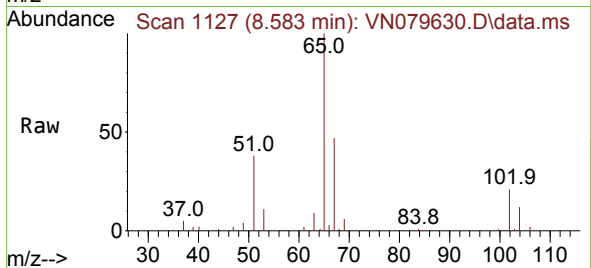




#27
1,2-Dichloroethane-d4
Concen: 31.534 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

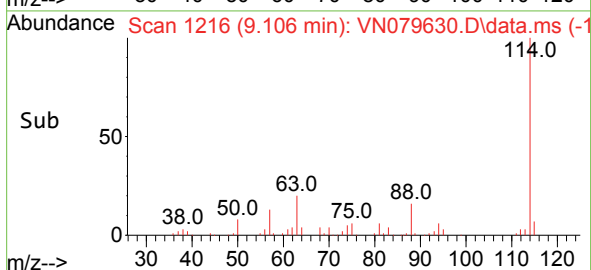
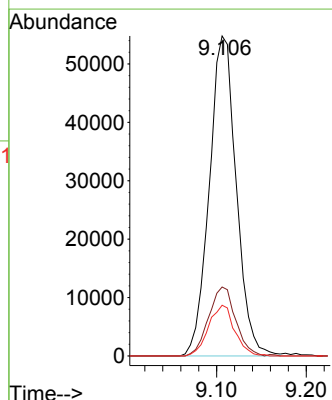
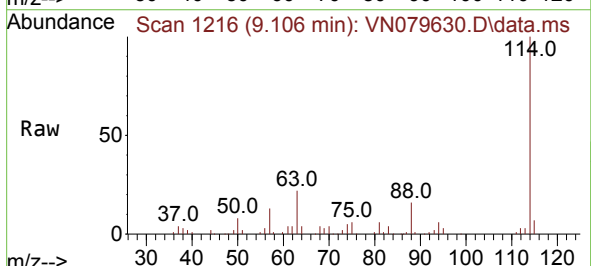
Instrument :
MSVOA_N
ClientSampleId :

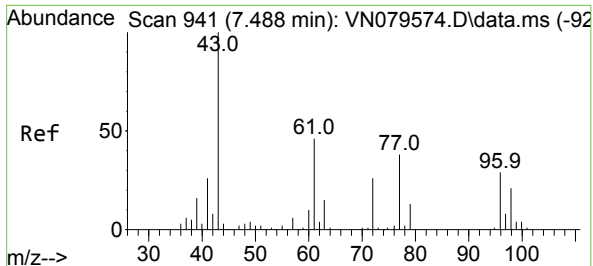
Tgt Ion: 65 Resp: 79748
Ion Ratio Lower Upper
65 100
67 50.7 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

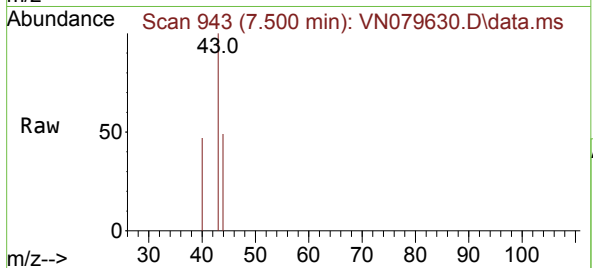
Tgt Ion: 114 Resp: 114517
Ion Ratio Lower Upper
114 100
63 21.5 18.1 27.1
88 15.2 12.2 18.2



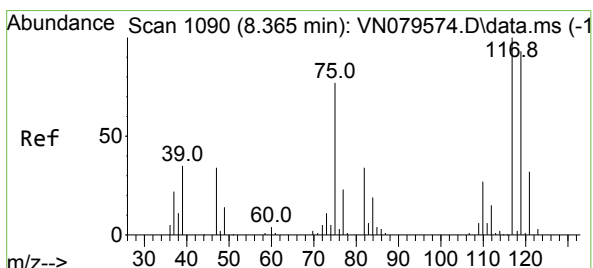
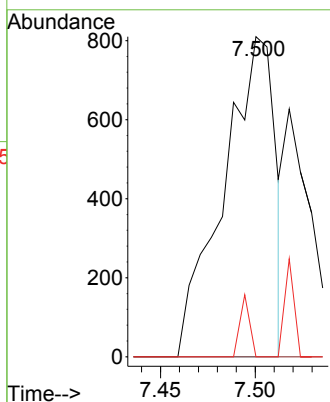
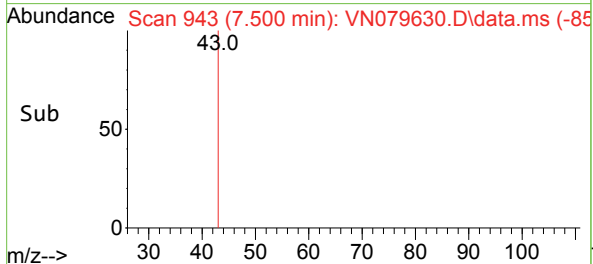


#30
2-Butanone
Concen: 0.922 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

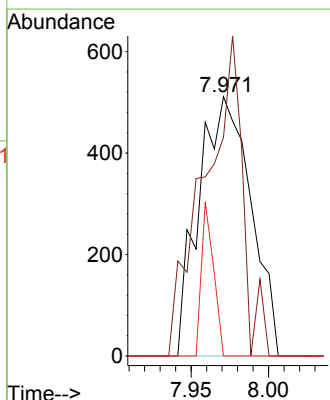
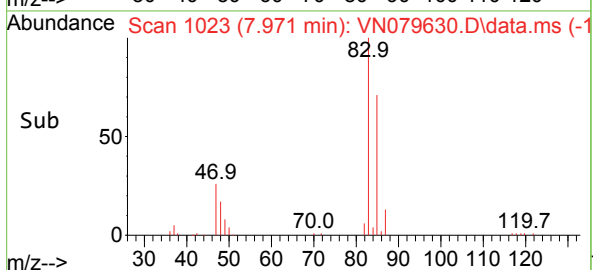
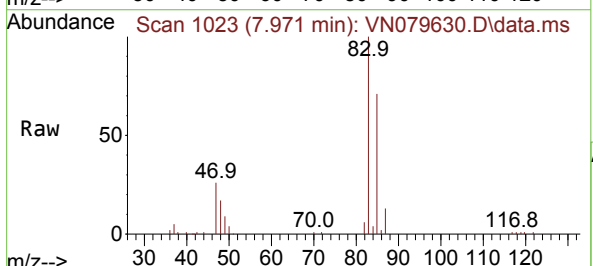


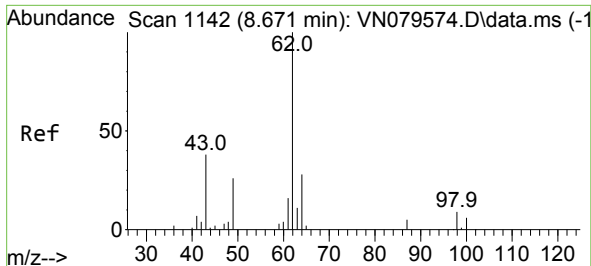
Tgt Ion: 43 Resp: 1546
Ion Ratio Lower Upper
43 100
57 0.0 6.4 9.6#
72 0.0 20.7 31.1#



#33
Carbon Tetrachloride
Concen: 0.353 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.394 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Tgt Ion: 117 Resp: 1194
Ion Ratio Lower Upper
117 100
119 84.3 75.0 112.6
121 0.0 24.3 36.5#





#36

1,2-Dichloroethane

Concen: 1.203 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.430 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

Instrument :

MSVOA_N

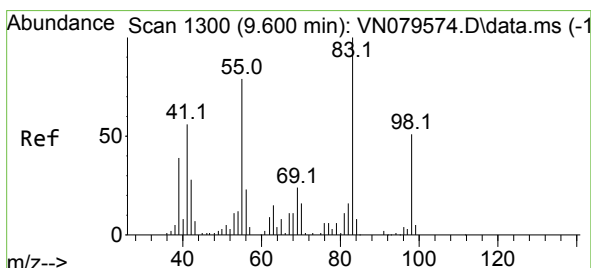
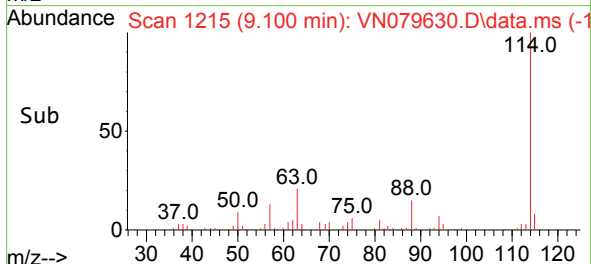
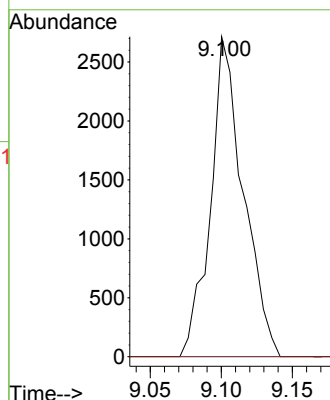
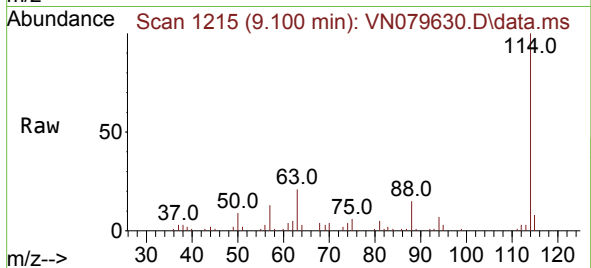
ClientSampleId :

Tgt Ion: 62 Resp: 4369

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#38

Methylcyclohexane

Concen: 5.914 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.294 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

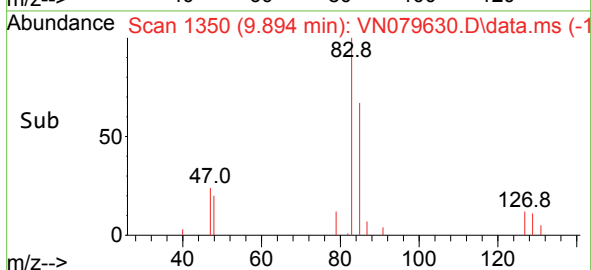
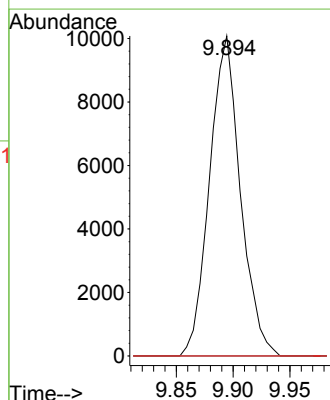
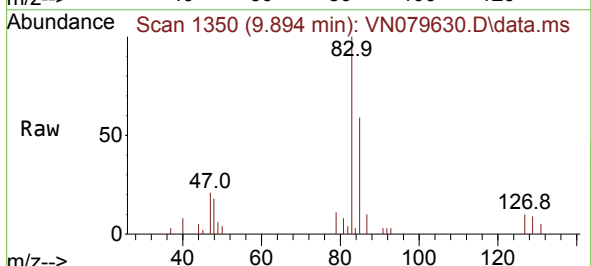
Tgt Ion: 83 Resp: 19057

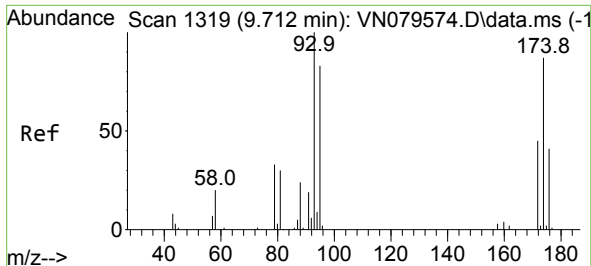
Ion Ratio Lower Upper

83 100

55 0.0 39.7 119.1#

98 0.0 24.4 73.2#





#40

Dibromomethane

Concen: 0.377 ug/l

RT: 9.900 min Scan# 1

Delta R.T. 0.188 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

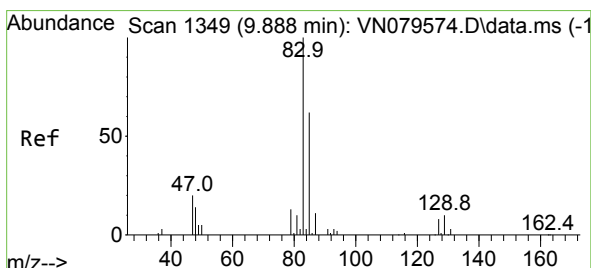
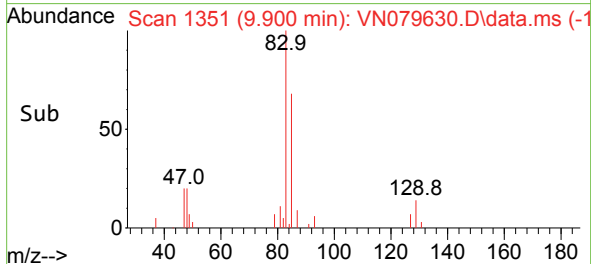
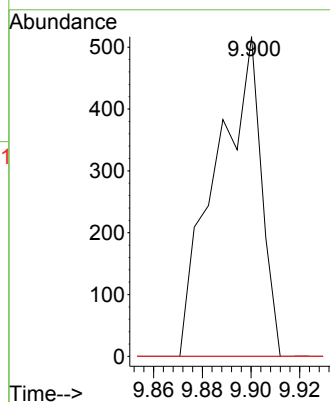
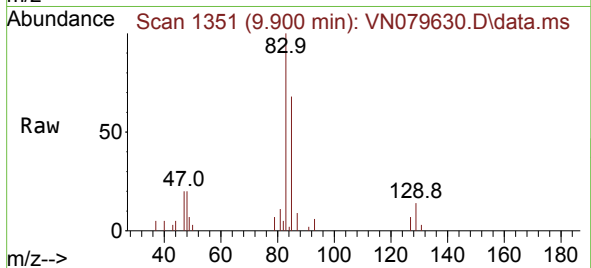
Tgt Ion: 93 Resp: 663

Ion Ratio Lower Upper

93 100

95 0.0 0.0 166.6

174 0.0 0.0 171.0



#41

Bromodichloromethane

Concen: 5.222 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

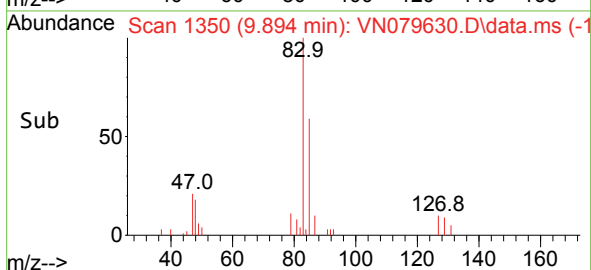
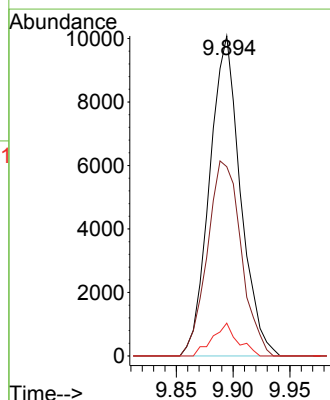
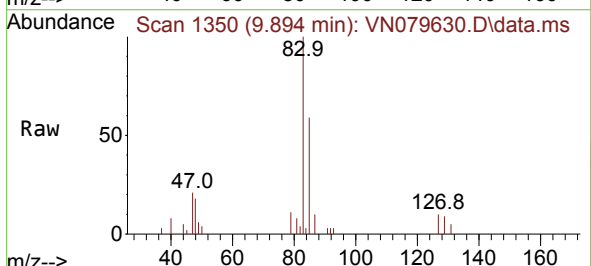
Tgt Ion: 83 Resp: 19057

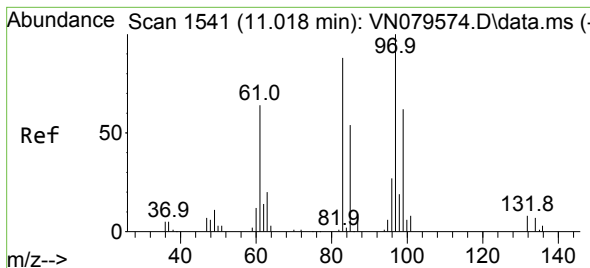
Ion Ratio Lower Upper

83 100

85 59.2 50.3 75.5

127 10.2 6.8 10.2#





#50

1,1,2-Trichloroethane

Concen: 2.560 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

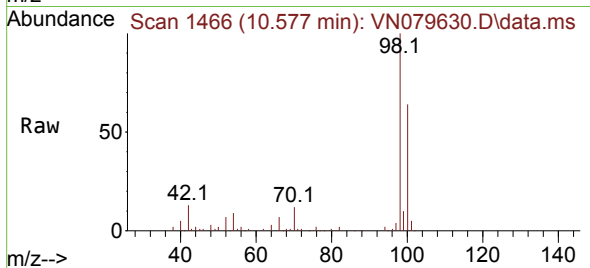
Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6254

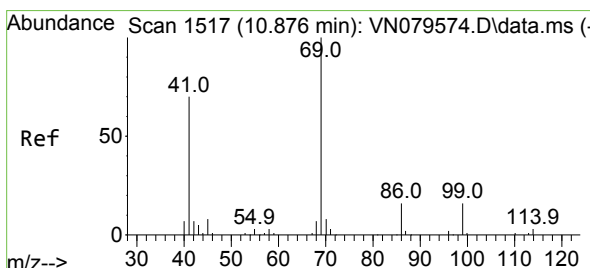
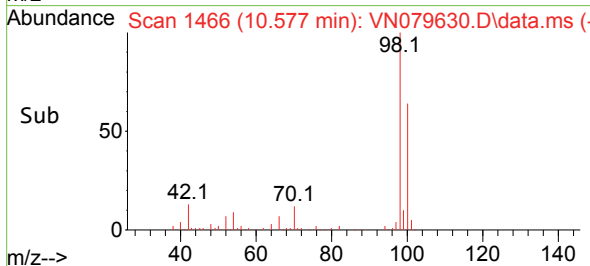
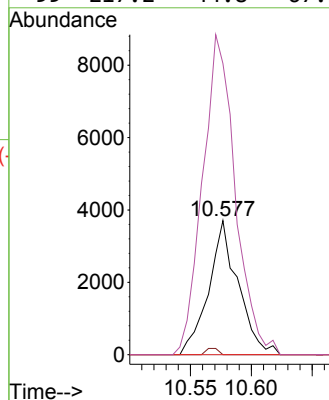
Ion Ratio Lower Upper

97 100

83 0.0 68.2 102.4#

85 0.0 42.9 64.3#

99 217.2 44.8 67.2#



#51

Ethyl methacrylate

Concen: 0.230 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.306 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

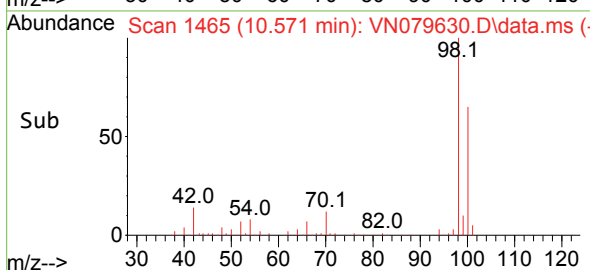
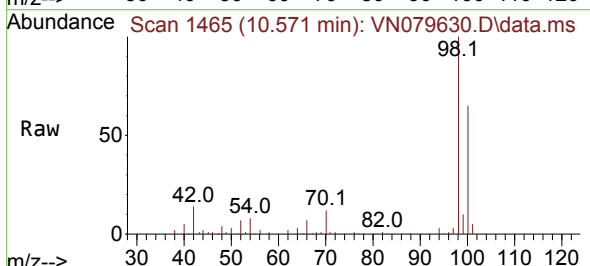
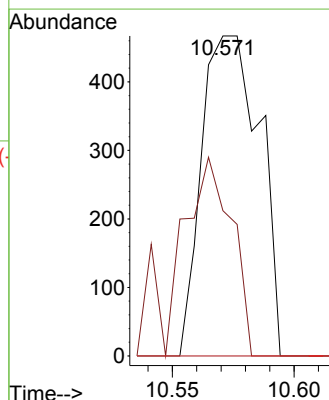
Tgt Ion: 69 Resp: 776

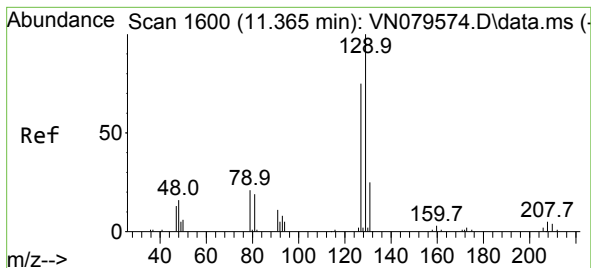
Ion Ratio Lower Upper

69 100

41 45.4 33.8 101.3

39 0.0 21.3 63.9#





#53

Dibromochloromethane

Concen: 1.542 ug/l

RT: 11.365 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

Instrument :

MSVOA_N

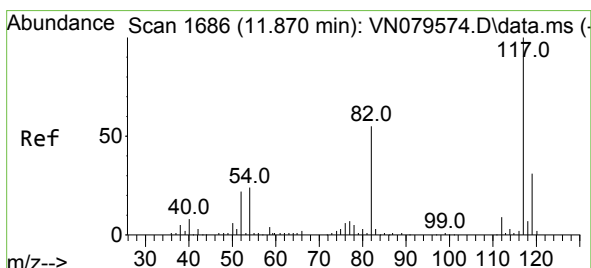
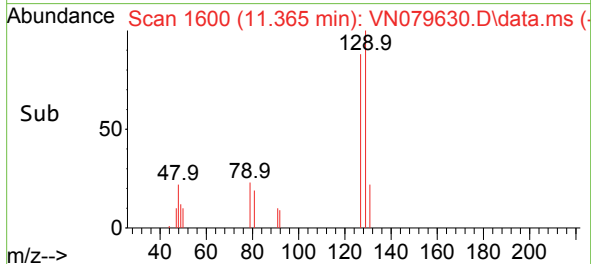
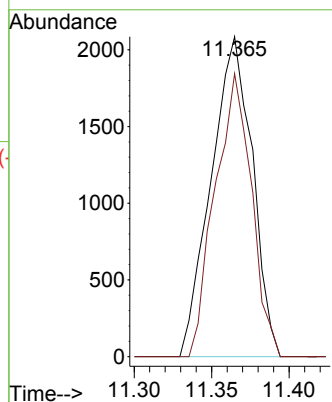
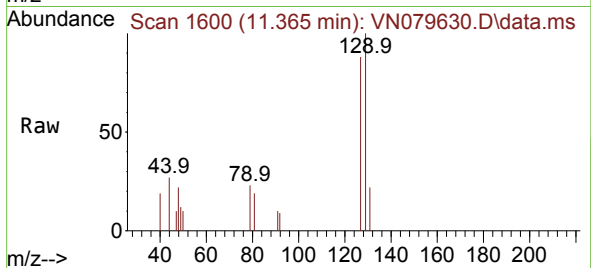
ClientSampleId :

Tgt Ion:129 Resp: 3849

Ion Ratio Lower Upper

129 100

127 78.2 38.8 116.3



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079630.D

Acq: 20 Oct 2023 16:05

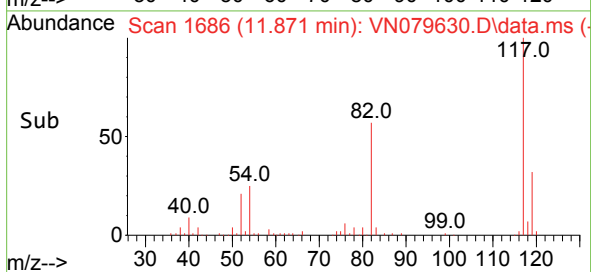
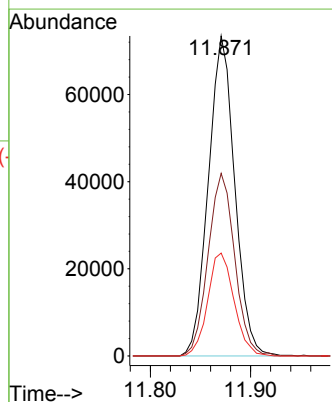
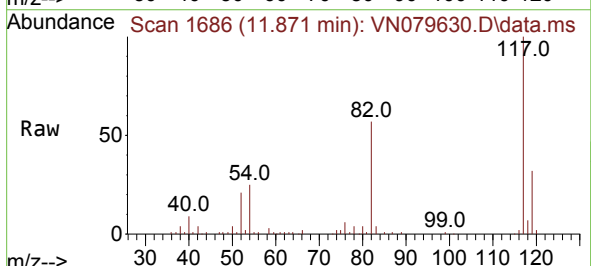
Tgt Ion:117 Resp: 134495

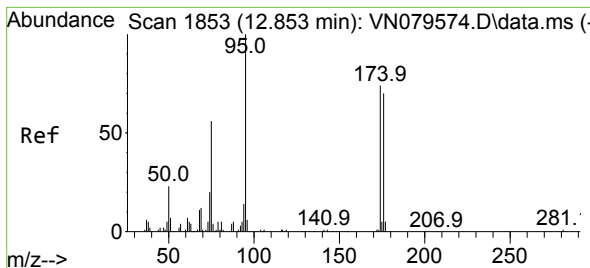
Ion Ratio Lower Upper

117 100

82 57.6 46.2 69.2

119 32.1 25.2 37.8

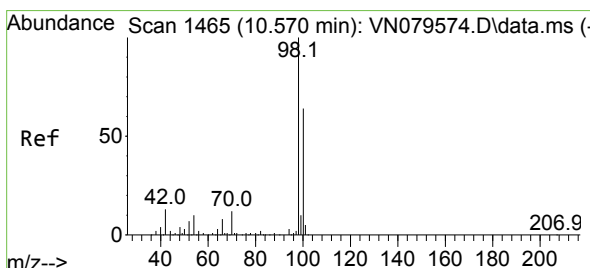
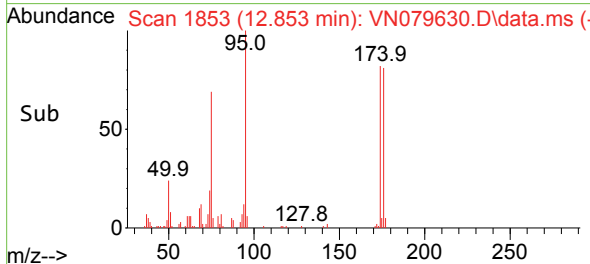
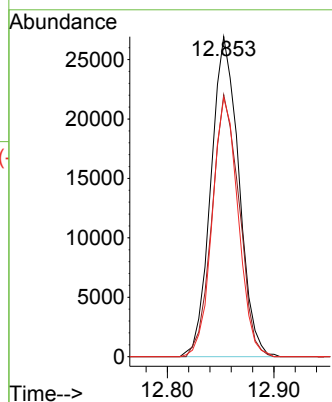
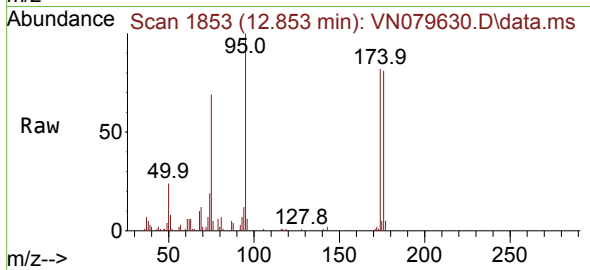




#60
4-Bromofluorobenzene
Concen: 19.877 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

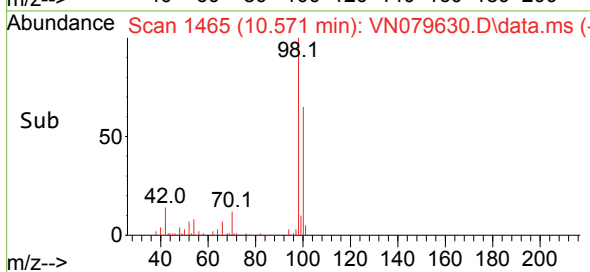
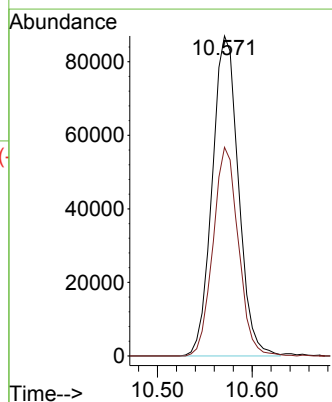
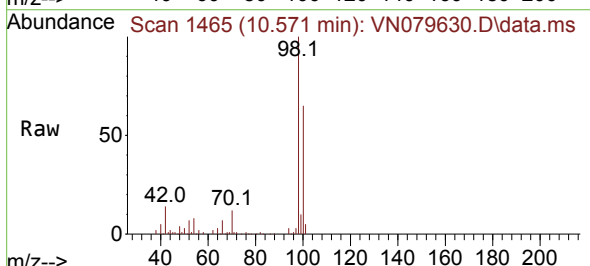
Instrument :
MSVOA_N
ClientSampleId :

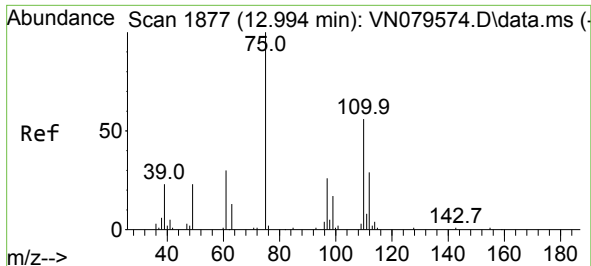
Tgt Ion: 95 Resp: 48889
Ion Ratio Lower Upper
95 100
174 79.7 60.5 90.7
176 75.1 57.2 85.8



#63
Toluene-d8
Concen: 29.047 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Tgt Ion: 98 Resp: 167403
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4

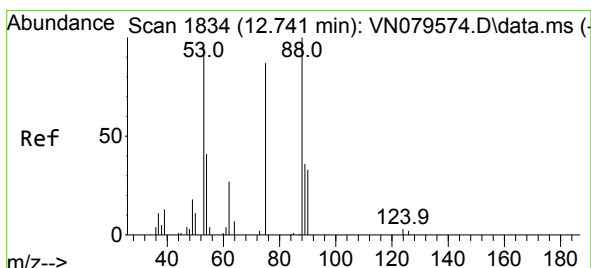
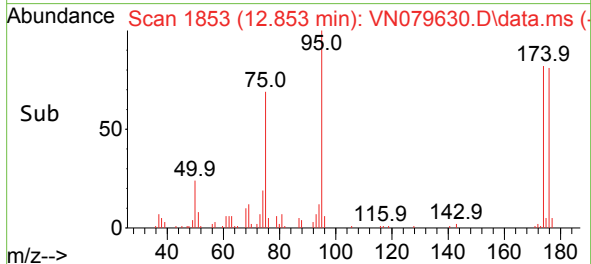
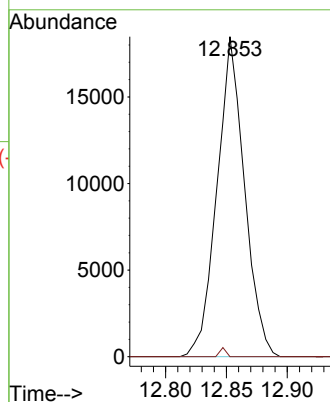
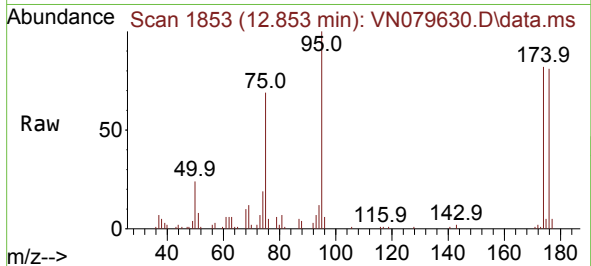




#72
1,2,3-Trichloropropane
Concen: 9.355 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 29029
Ion Ratio Lower Upper
75 100
77 0.0 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 30.651 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079630.D
Acq: 20 Oct 2023 16:05

Tgt Ion: 75 Resp: 29029
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

