

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080016.D
 Acq On : 09 Nov 2023 01:29
 Operator : JC\MD
 Sample : 05282-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:33:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

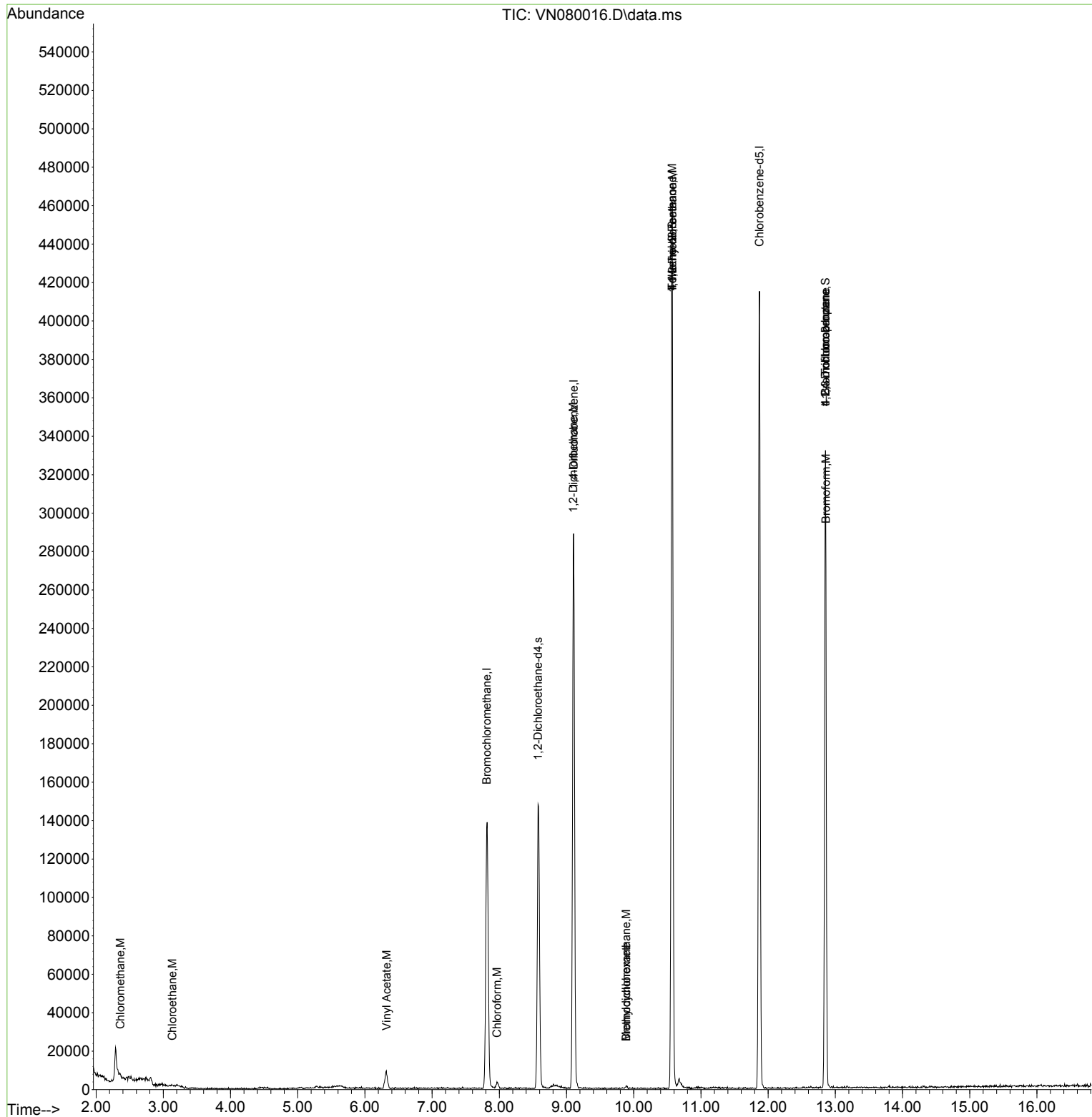
Internal Standards						
1) Bromochloromethane	7.812	128	49865	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	243167	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	244320	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	130474	31.171	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.900%
60) 4-Bromofluorobenzene	12.853	95	113066	28.939	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.467%
63) Toluene-d8	10.571	98	314648	27.180	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	90.600%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	996	0.243	ug/l #	67
6) Chloroethane	3.136	64	401	0.202	ug/l #	46
25) Chloroform	7.965	83	3377	0.523	ug/l	92
36) 1,2-Dichloroethane	9.100	62	9331	2.080	ug/l #	75
38) Methylcyclohexane	9.888	83	954	0.243	ug/l #	17
41) Bromodichloromethane	9.888	83	954	0.217	ug/l #	74
42) Vinyl Acetate	6.324	43	2381	0.481	ug/l #	66
50) 1,1,2-Trichloroethane	10.577	97	10818	3.739	ug/l #	1
56) Bromoform	12.859	173	1254	0.618	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1409	0.345	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	60107	14.370	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	60107	43.885	ug/l #	8

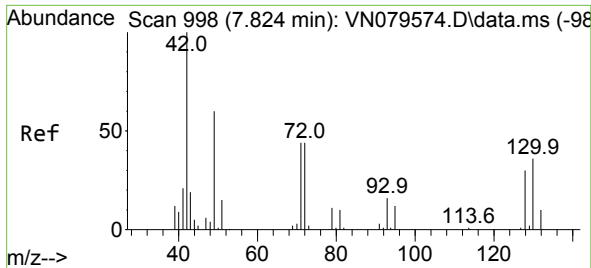
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 09 04:33:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration

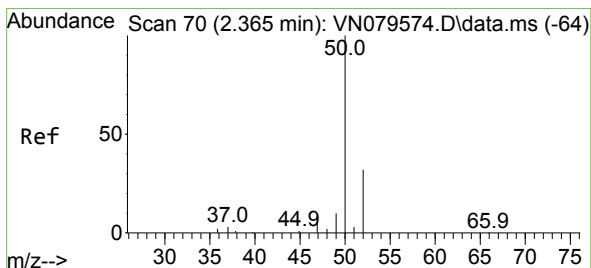
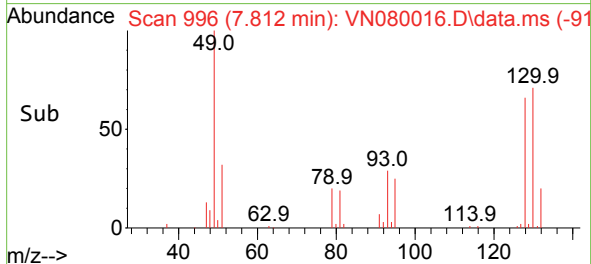
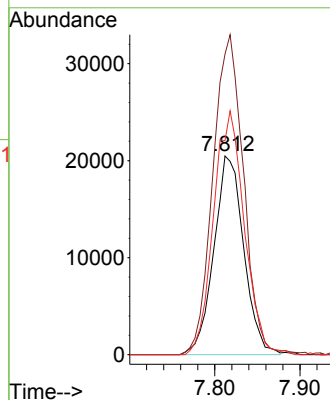
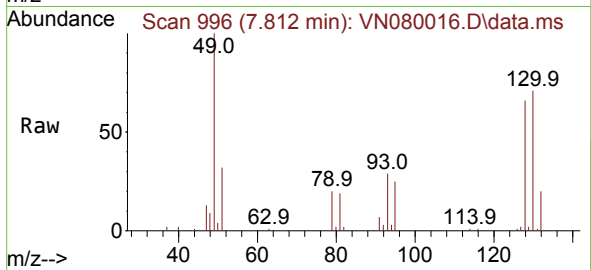




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

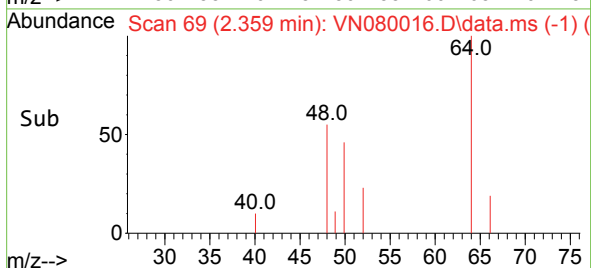
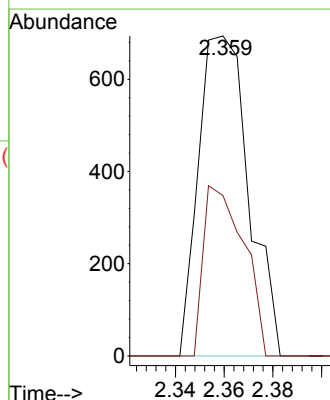
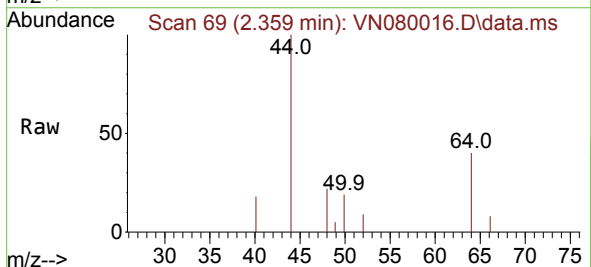
Instrument :
MSVOA_N
ClientSampleId :

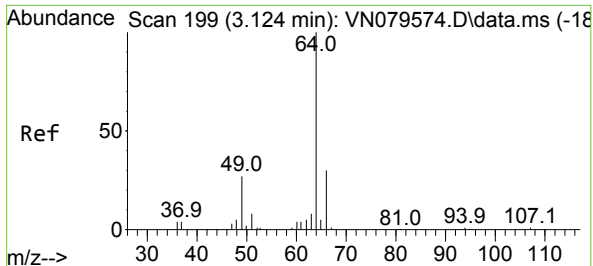
Tgt Ion:128 Resp: 49865
Ion Ratio Lower Upper
128 100
49 165.2 0.0 468.5
130 126.5 0.0 320.7



#3
Chloromethane
Concen: 0.243 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Tgt Ion: 50 Resp: 996
Ion Ratio Lower Upper
50 100
52 50.1 25.6 38.4#

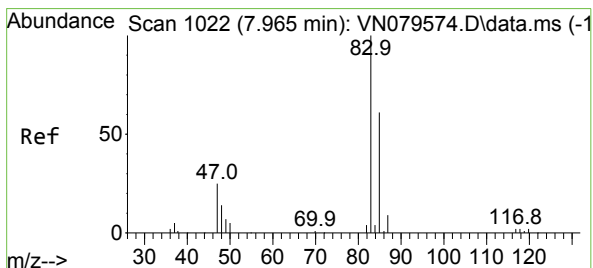
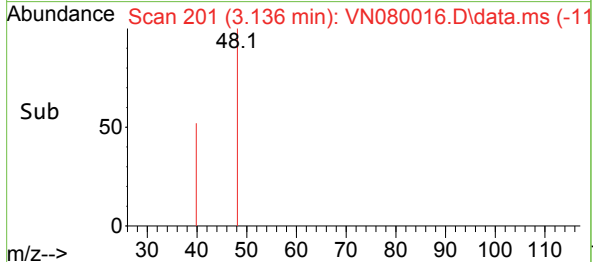
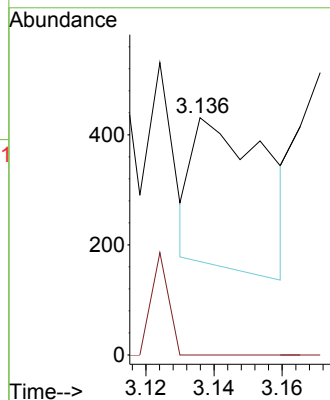
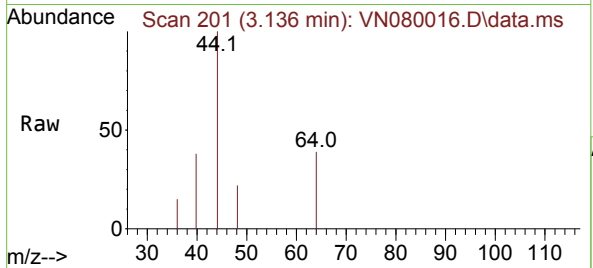




#6
Chloroethane
Concen: 0.202 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

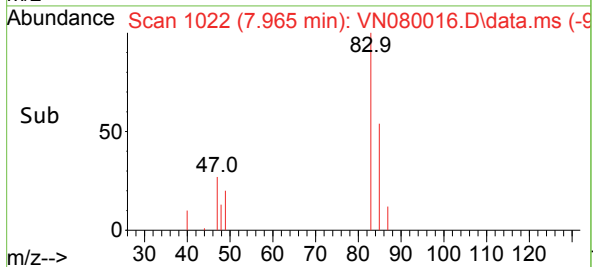
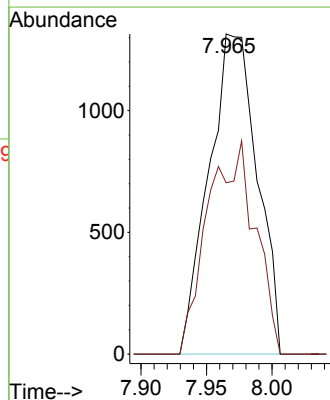
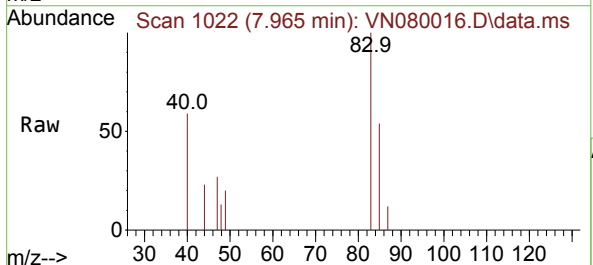
Instrument :
MSVOA_N
ClientSampleId :

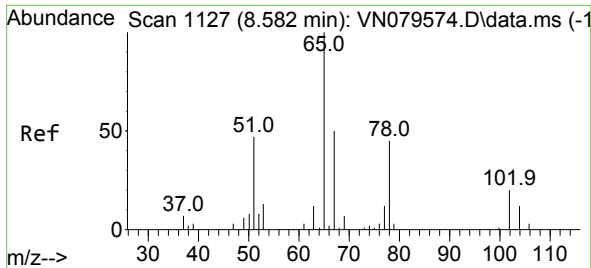
Tgt Ion: 64 Resp: 401
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#



#25
Chloroform
Concen: 0.523 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Tgt Ion: 83 Resp: 3377
Ion Ratio Lower Upper
83 100
85 53.5 47.4 71.2





#27

1,2-Dichloroethane-d4

Concen: 31.171 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN080016.D

Acq: 09 Nov 2023 01:29

Instrument :

MSVOA_N

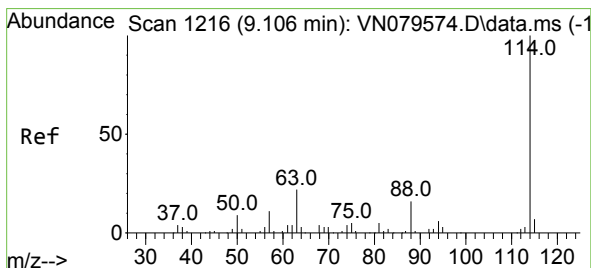
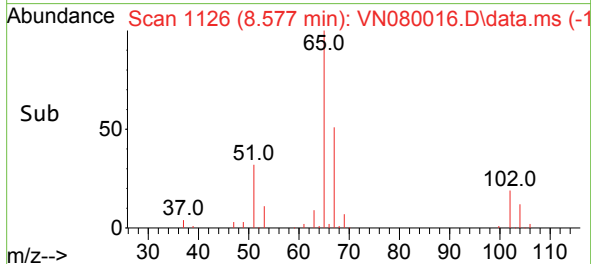
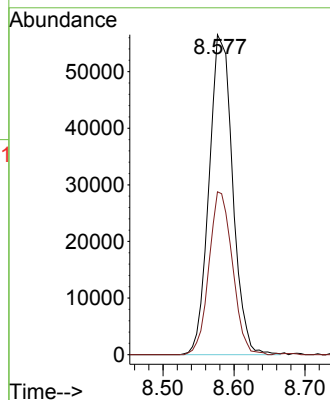
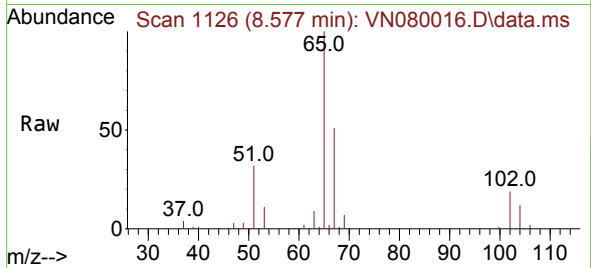
ClientSampleId :

Tgt Ion: 65 Resp: 130474

Ion Ratio Lower Upper

65 100

67 50.6 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: VN080016.D

Acq: 09 Nov 2023 01:29

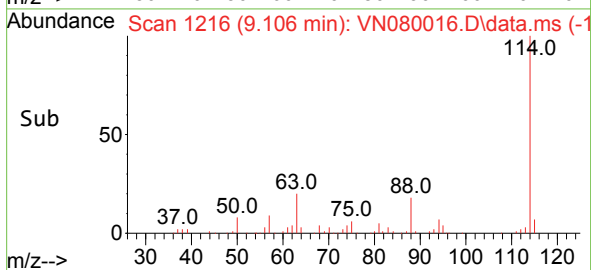
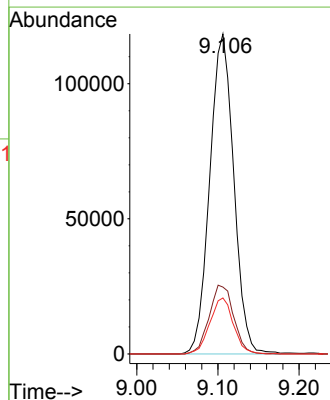
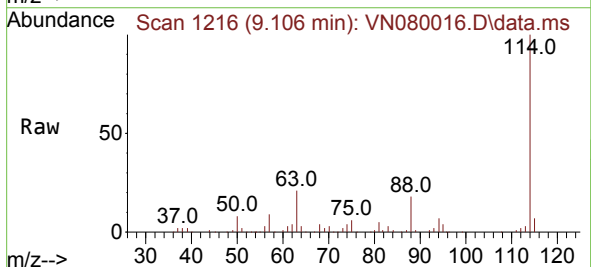
Tgt Ion:114 Resp: 243167

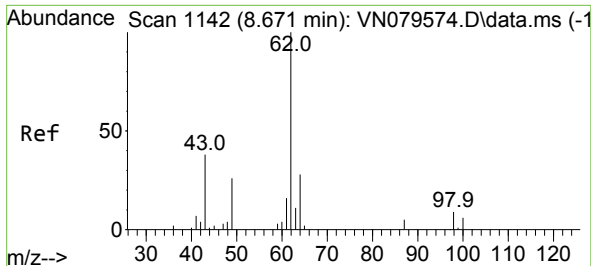
Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

88 17.2 12.2 18.2





#36

1,2-Dichloroethane

Concen: 2.080 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN080016.D

Acq: 09 Nov 2023 01:29

Instrument :

MSVOA_N

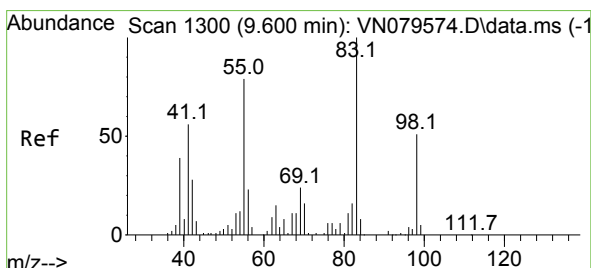
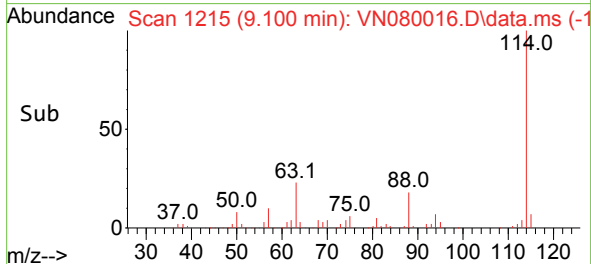
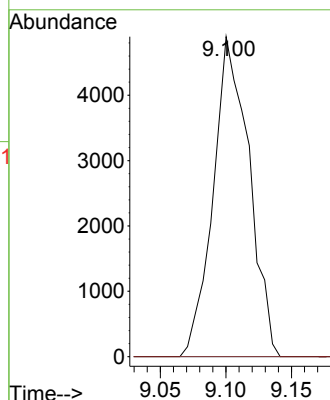
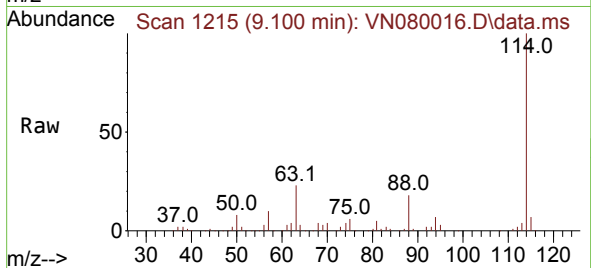
ClientSampleId :

Tgt Ion: 62 Resp: 9331

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#38

Methylcyclohexane

Concen: 0.243 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.288 min

Lab File: VN080016.D

Acq: 09 Nov 2023 01:29

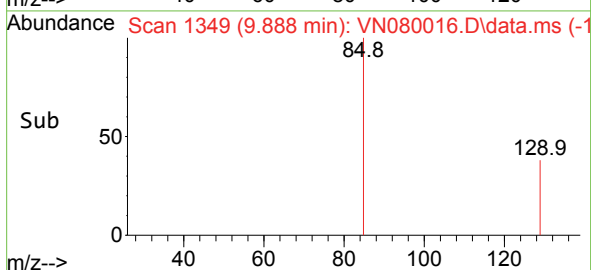
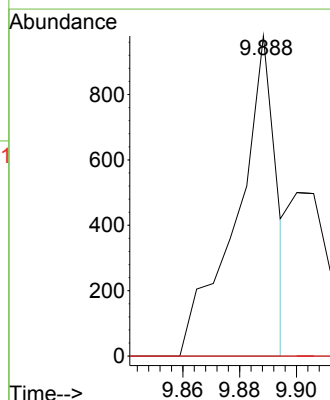
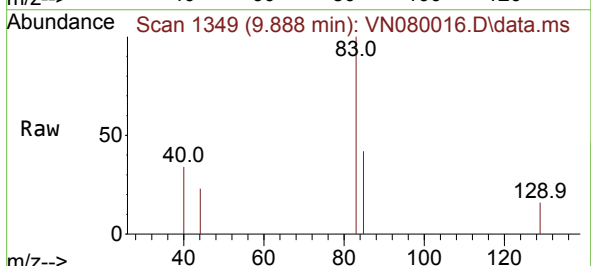
Tgt Ion: 83 Resp: 954

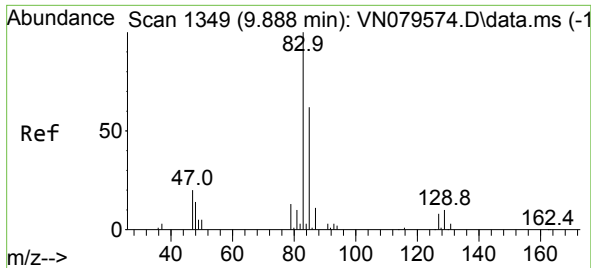
Ion Ratio Lower Upper

83 100

55 0.0 39.7 119.1#

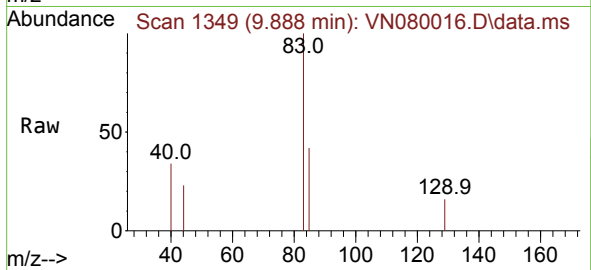
98 0.0 24.4 73.2#



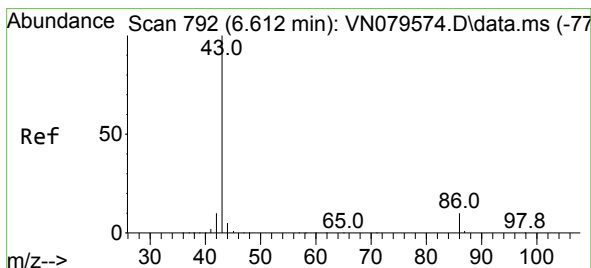
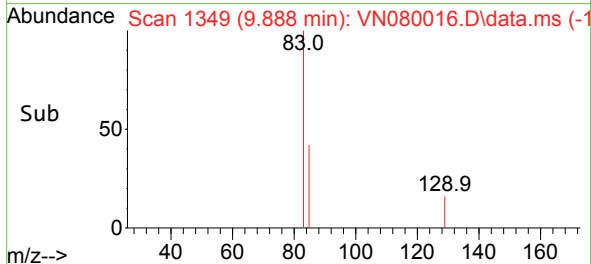
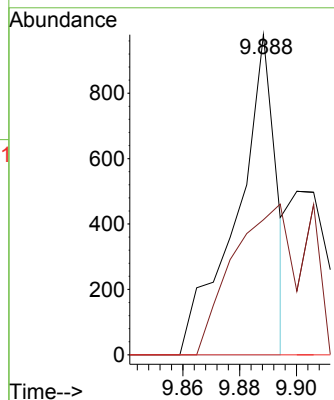


#41
Bromodichloromethane
Concen: 0.217 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Instrument :
MSVOA_N
ClientSampleId :

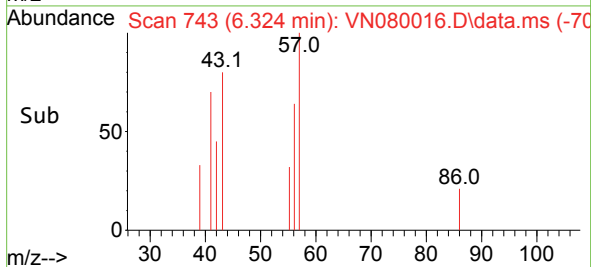
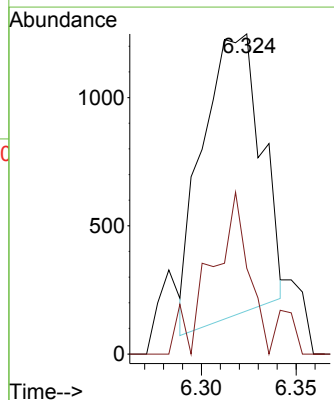
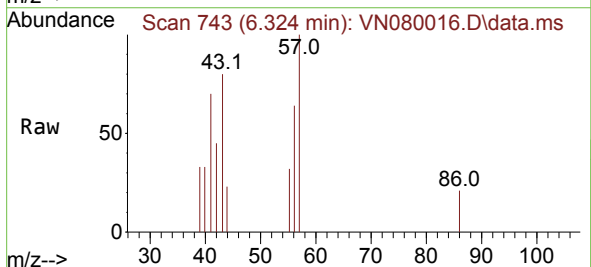


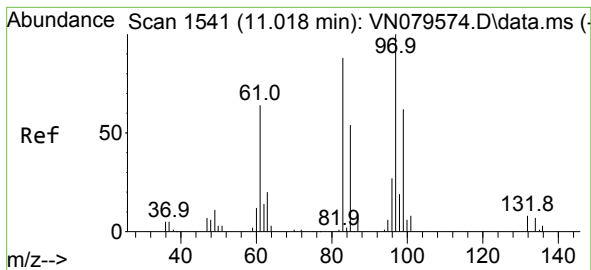
Tgt Ion: 83 Resp: 954
Ion Ratio Lower Upper
83 100
85 42.2 50.3 75.5#
127 0.0 6.8 10.2#



#42
Vinyl Acetate
Concen: 0.481 ug/l
RT: 6.324 min Scan# 743
Delta R.T. -0.288 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

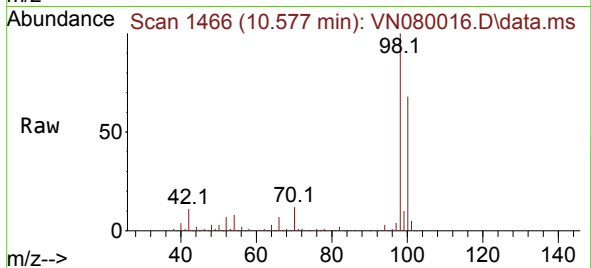
Tgt Ion: 43 Resp: 2381
Ion Ratio Lower Upper
43 100
86 22.8 8.2 12.2#



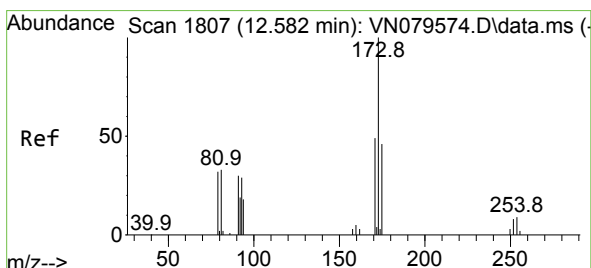
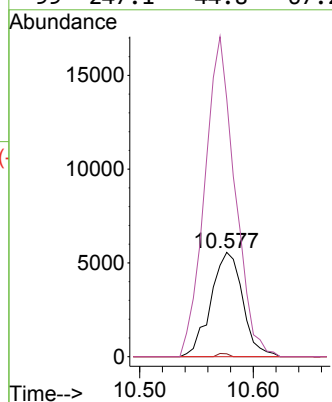
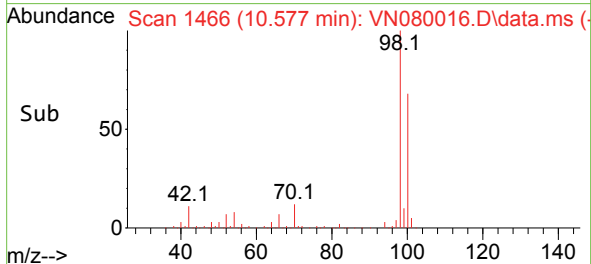


#50
1,1,2-Trichloroethane
Concen: 3.739 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

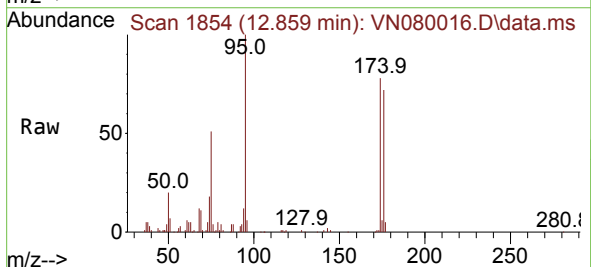
Instrument :
MSVOA_N
ClientSampleId :



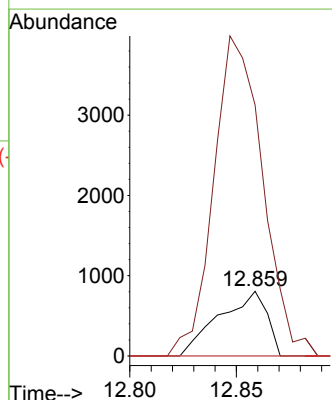
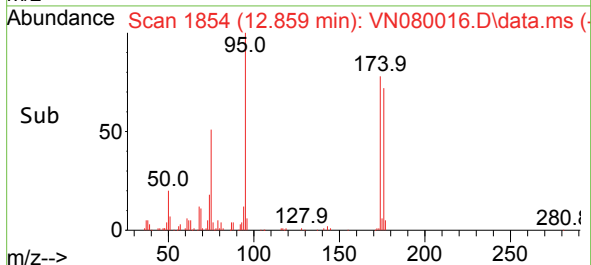
Tgt Ion: 97 Resp: 10818
Ion Ratio Lower Upper
97 100
83 2.7 68.2 102.4#
85 0.0 42.9 64.3#
99 247.1 44.8 67.2#

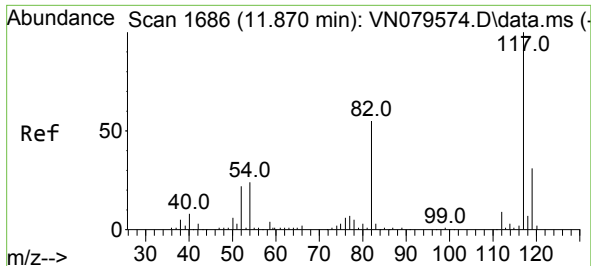


#56
Bromoform
Concen: 0.618 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29



Tgt Ion: 173 Resp: 1254
Ion Ratio Lower Upper
173 100
175 509.3 37.9 56.9#
254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN080016.D

Acq: 09 Nov 2023 01:29

Instrument :

MSVOA_N

ClientSampleId :

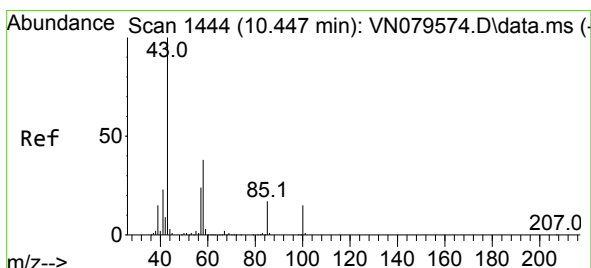
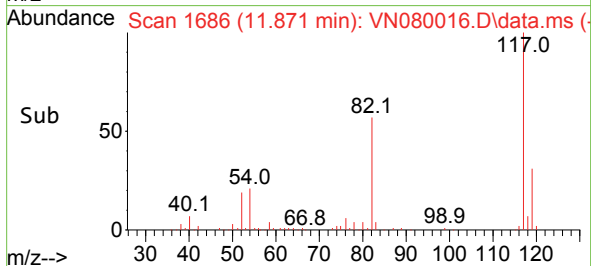
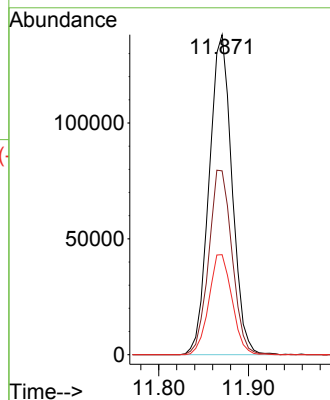
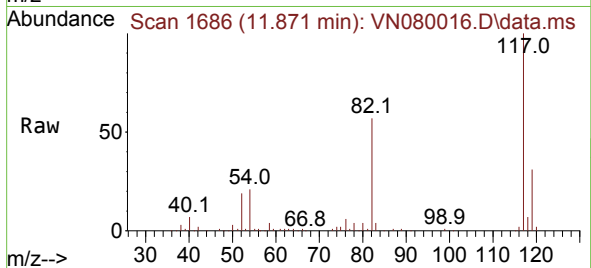
Tgt Ion:117 Resp: 244320

Ion Ratio Lower Upper

117 100

82 58.9 46.2 69.2

119 31.7 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.345 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN080016.D

Acq: 09 Nov 2023 01:29

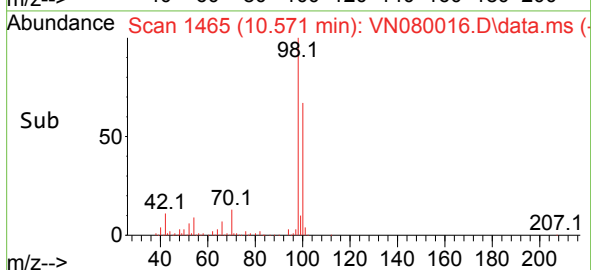
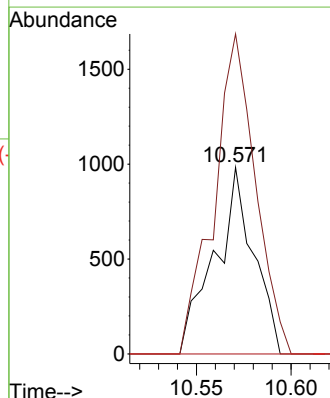
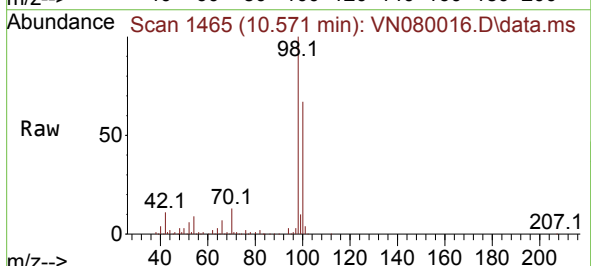
Tgt Ion: 43 Resp: 1409

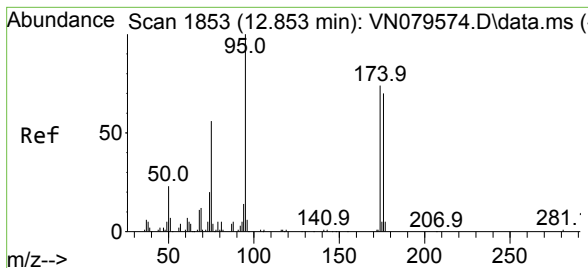
Ion Ratio Lower Upper

43 100

58 182.3 30.4 45.6#

85 0.0 13.2 19.8#

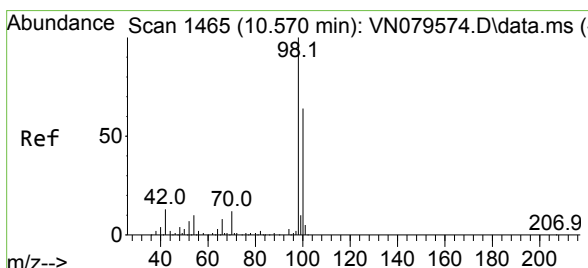
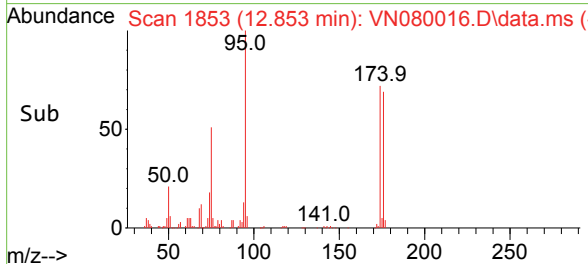
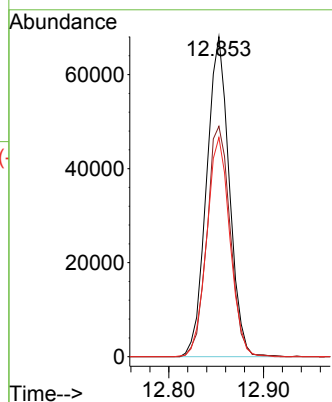
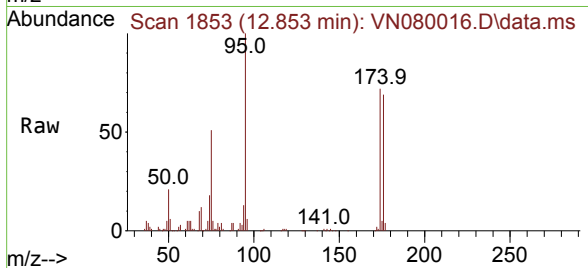




#60
4-Bromofluorobenzene
Concen: 28.939 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

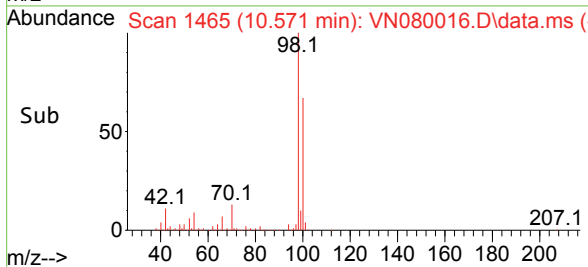
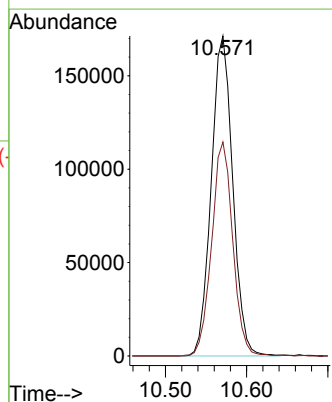
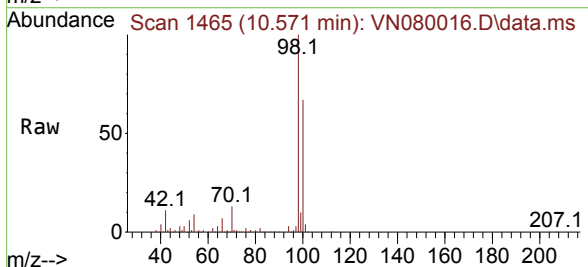
Instrument :
MSVOA_N
ClientSampleId :

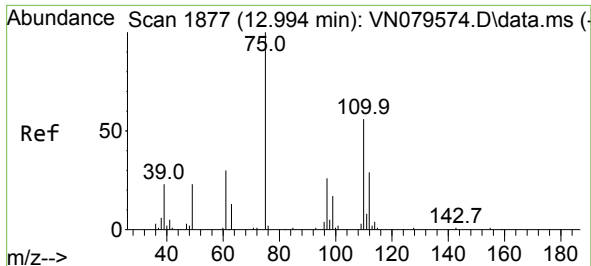
Tgt Ion: 95 Resp: 113066
Ion Ratio Lower Upper
95 100
174 73.9 60.5 90.7
176 70.1 57.2 85.8



#63
Toluene-d8
Concen: 27.180 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Tgt Ion: 98 Resp: 314648
Ion Ratio Lower Upper
98 100
100 65.6 51.6 77.4

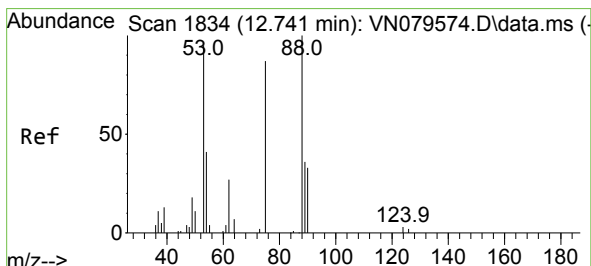
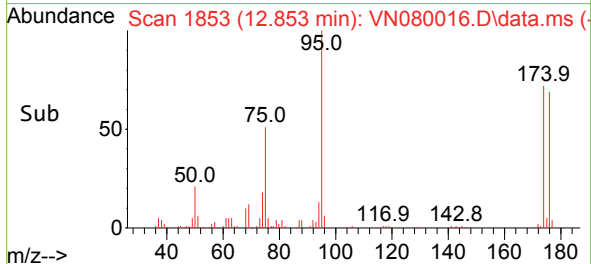
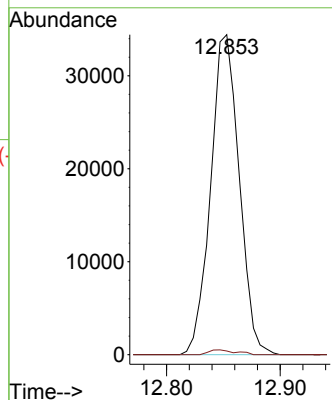
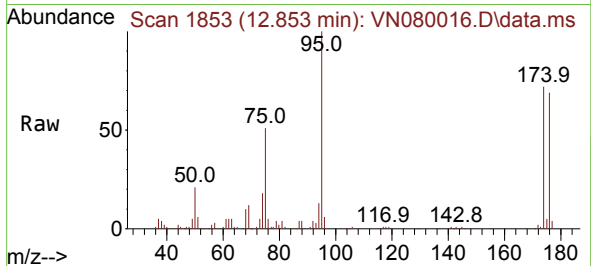




#72
1,2,3-Trichloropropane
Concen: 14.370 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 60107
Ion Ratio Lower Upper
75 100
77 1.1 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 43.885 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080016.D
Acq: 09 Nov 2023 01:29

Tgt Ion: 75 Resp: 60107
Ion Ratio Lower Upper
75 100
53 0.4 53.0 159.1#
89 0.0 22.6 67.7#

