

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080017.D
 Acq On : 09 Nov 2023 01:53
 Operator : JC\MD
 Sample : 05282-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:33:25 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)

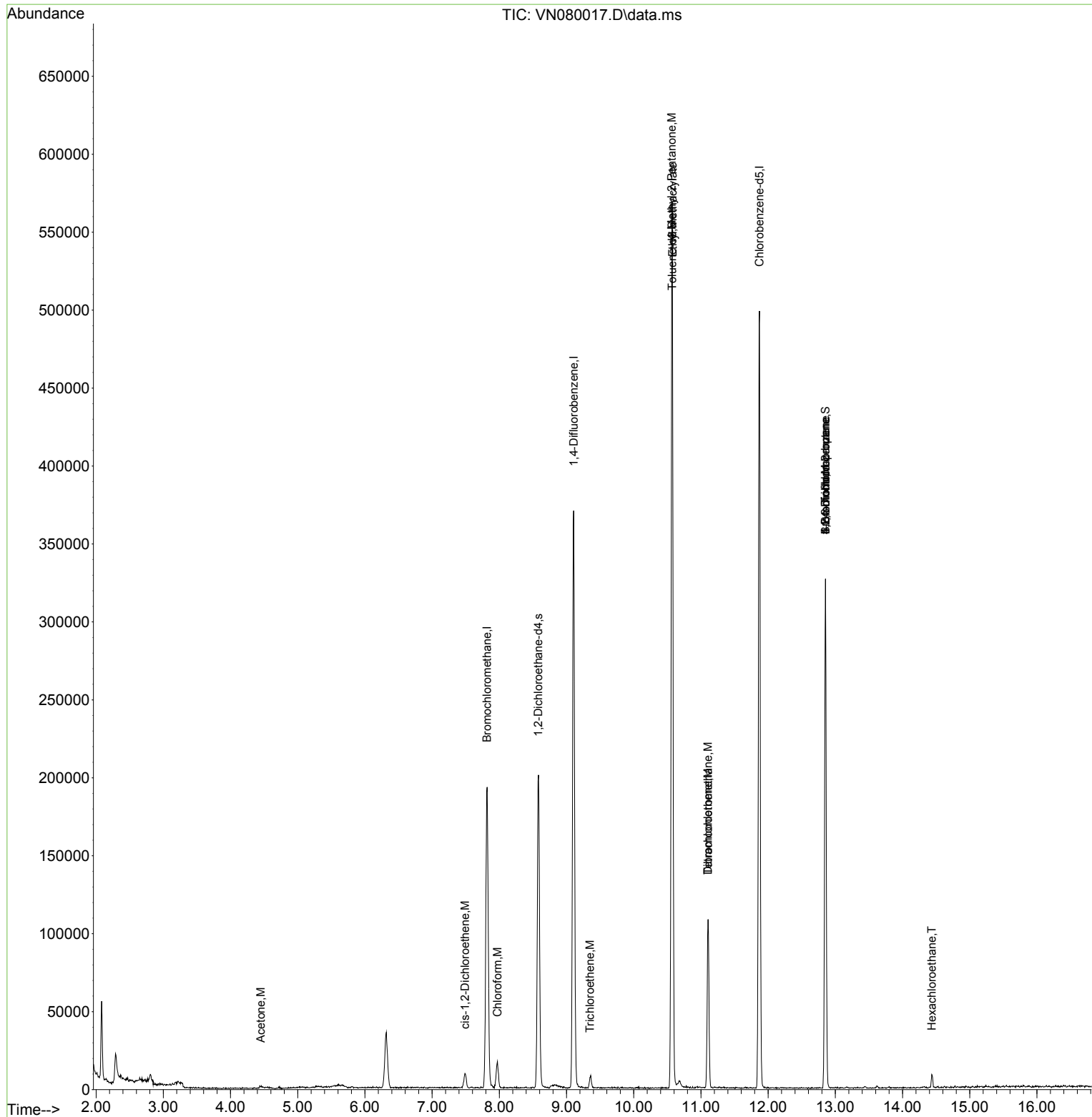
Internal Standards						
1) Bromochloromethane	7.818	128	67182	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	306110	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	294129	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	170503	30.234	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.767%
60) 4-Bromofluorobenzene	12.853	95	112351	23.886	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.633%
63) Toluene-d8	10.571	98	392922	28.194	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.967%
Target Compounds						
					Qvalue	
15) Acetone	4.448	58	318	0.442	ug/l #	1
22) cis-1,2-Dichloroethene	7.489	96	3430	0.689	ug/l #	6
25) Chloroform	7.971	83	16089	1.849	ug/l	95
37) Trichloroethene	9.347	130	1803	0.480	ug/l #	66
51) Ethyl methacrylate	10.577	69	1672	0.319	ug/l #	51
53) Dibromochloromethane	11.106	129	23941	6.144	ug/l #	11
56) Bromoform	12.853	173	1262	0.494	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	1978	0.403	ug/l #	1
61) Tetrachloroethene	11.106	164	24740	7.174	ug/l	97
72) 1,2,3-Trichloropropane	12.853	75	59416	11.799	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	59416	36.034	ug/l #	8
86) Hexachloroethane	14.435	117	611	0.266	ug/l #	18

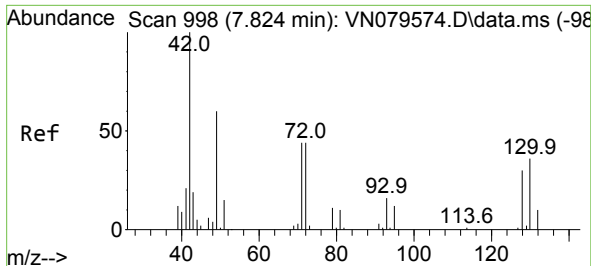
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
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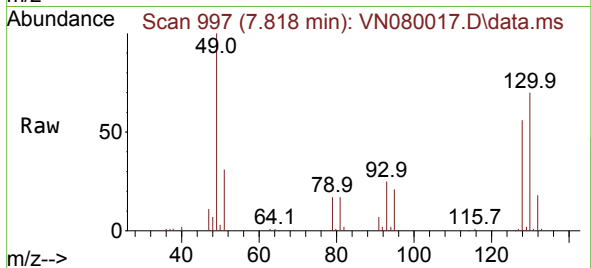
Quant Time: Nov 09 04:33:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
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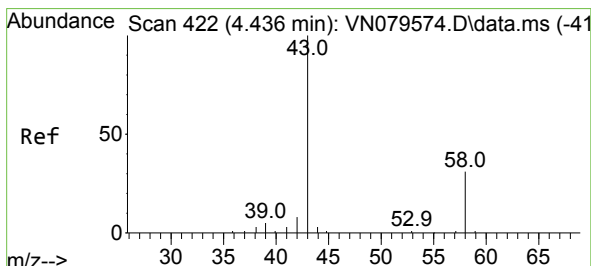
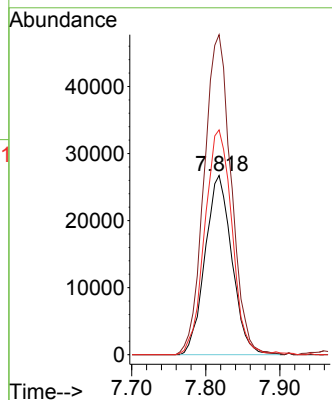
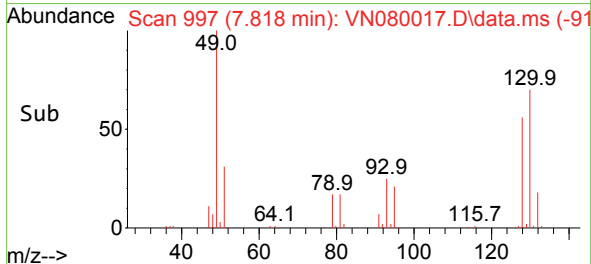


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Instrument :
MSVOA_N
ClientSampleId :

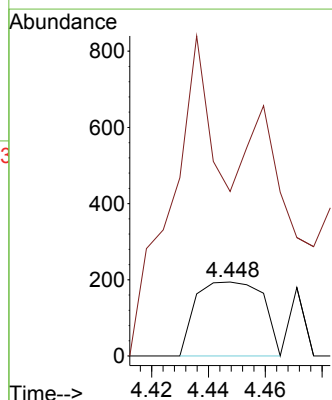
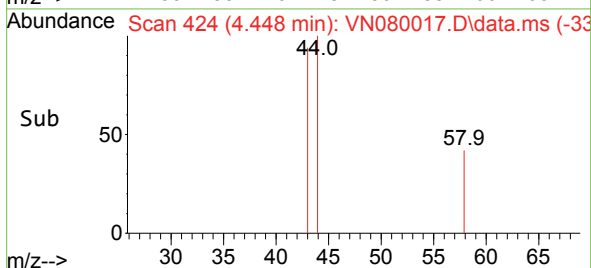
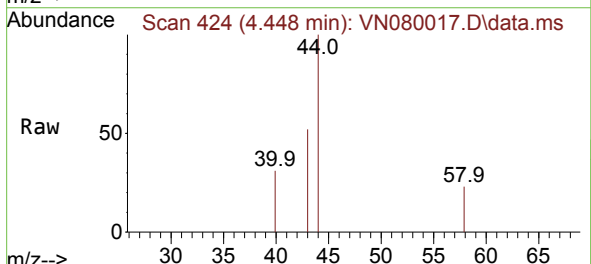


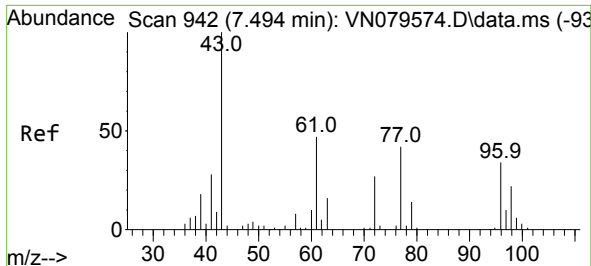
Tgt Ion:128 Resp: 67182
Ion Ratio Lower Upper
128 100
49 180.6 0.0 468.5
130 127.5 0.0 320.7



#15
Acetone
Concen: 0.442 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

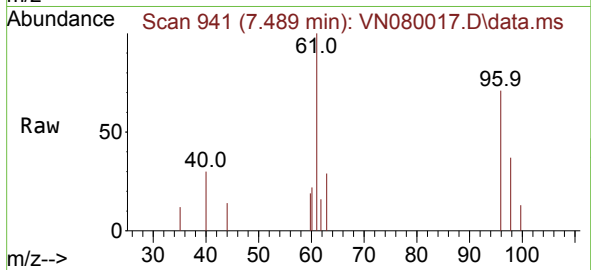
Tgt Ion: 58 Resp: 318
Ion Ratio Lower Upper
58 100
43 1.0 225.2 337.8#



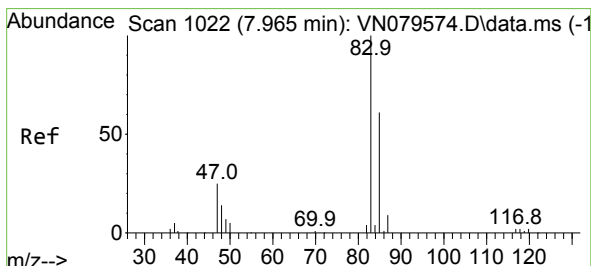
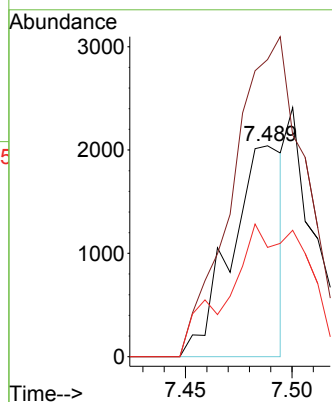
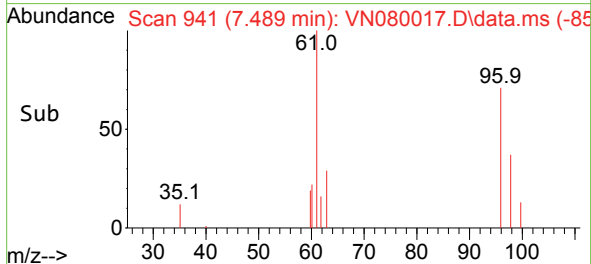


#22
cis-1,2-Dichloroethene
Concen: 0.689 ug/l
RT: 7.489 min Scan# 941
Delta R.T. -0.005 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Instrument :
MSVOA_N
ClientSampleId :

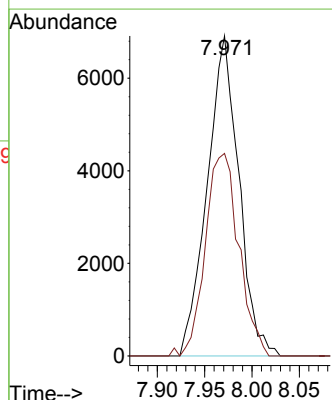
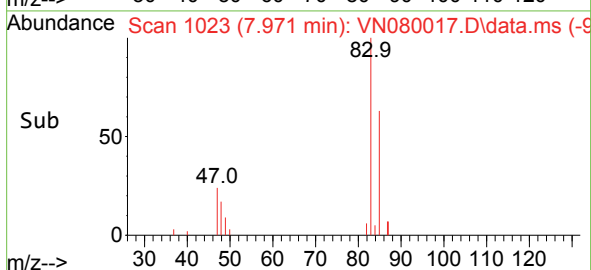
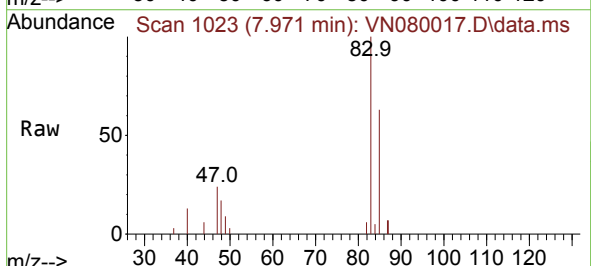


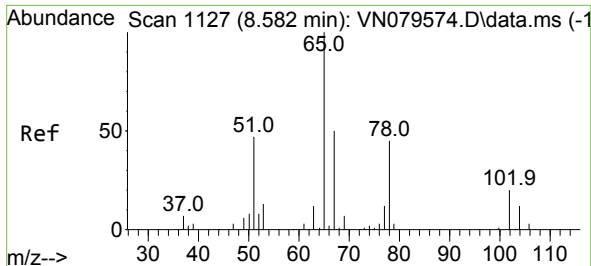
Tgt Ion: 96 Resp: 3430
Ion Ratio Lower Upper
96 100
61 0.0 124.6 186.8#
98 39.1 54.2 81.4#



#25
Chloroform
Concen: 1.849 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Tgt Ion: 83 Resp: 16089
Ion Ratio Lower Upper
83 100
85 63.3 47.4 71.2





#27

1,2-Dichloroethane-d4

Concen: 30.234 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.005 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

Instrument :

MSVOA_N

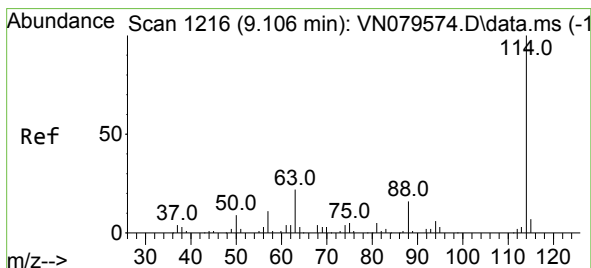
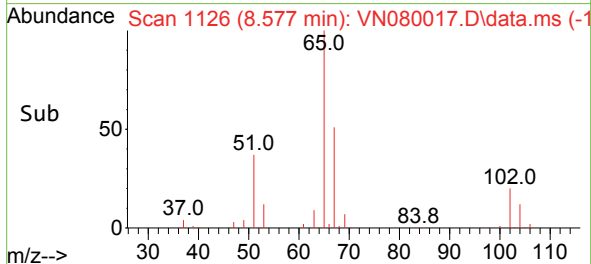
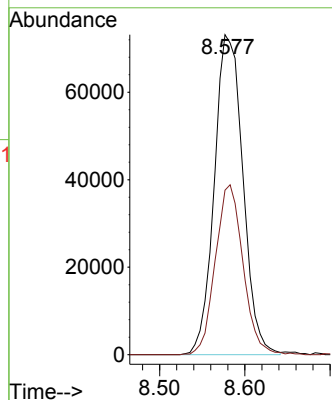
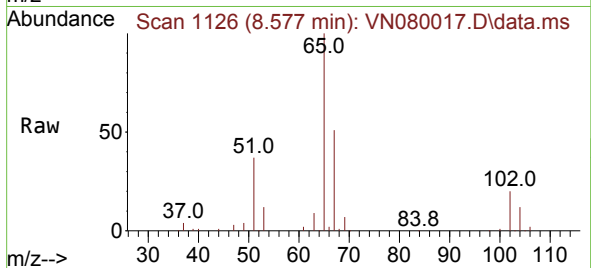
ClientSampleId :

Tgt Ion: 65 Resp: 170503

Ion Ratio Lower Upper

65 100

67 51.4 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: VN080017.D

Acq: 09 Nov 2023 01:53

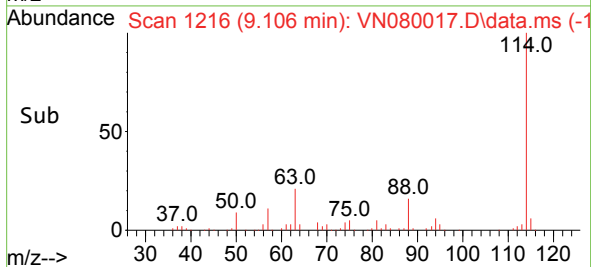
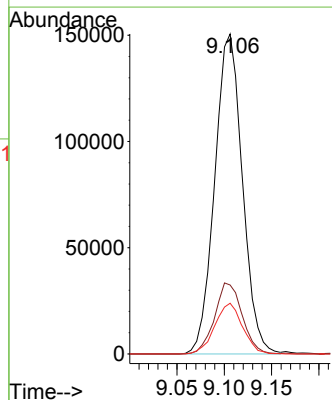
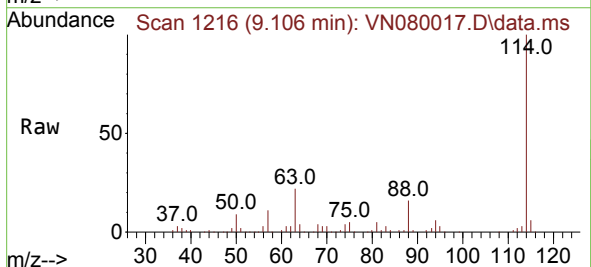
Tgt Ion: 114 Resp: 306110

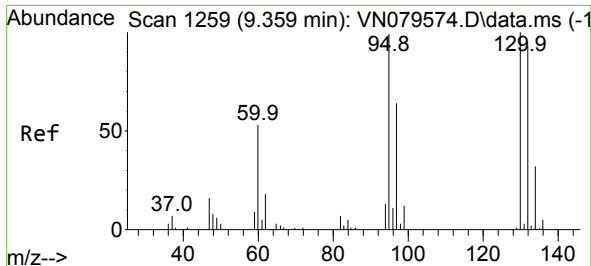
Ion Ratio Lower Upper

114 100

63 22.1 18.1 27.1

88 15.9 12.2 18.2





#37

Trichloroethene

Concen: 0.480 ug/l

RT: 9.347 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

Instrument :

MSVOA_N

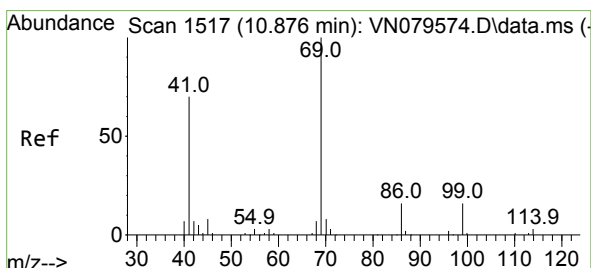
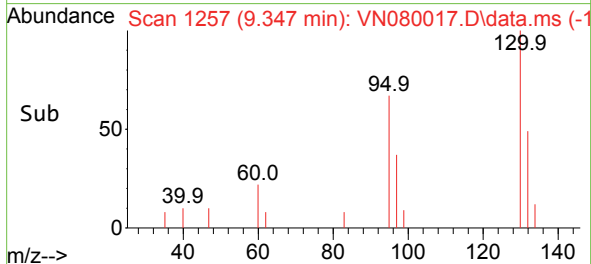
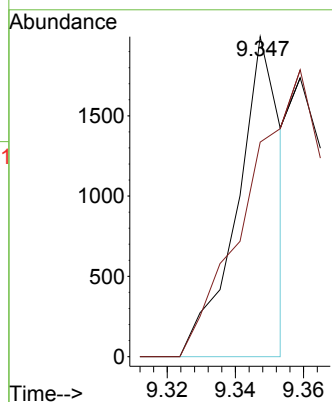
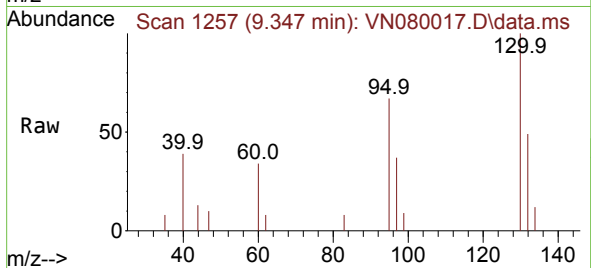
ClientSampleId :

Tgt Ion:130 Resp: 1803

Ion Ratio Lower Upper

130 100

95 67.0 81.2 121.8#



#51

Ethyl methacrylate

Concen: 0.319 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.299 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

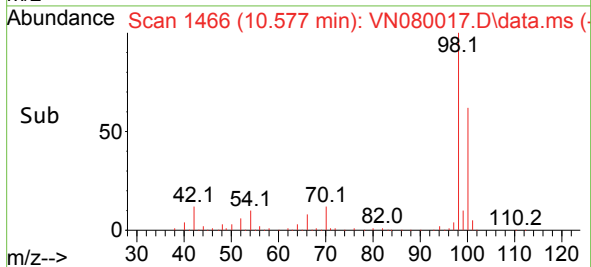
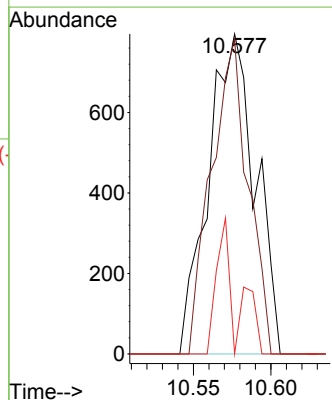
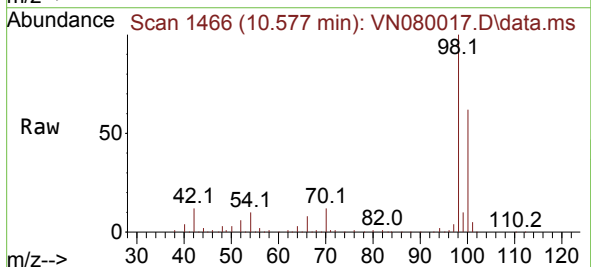
Tgt Ion: 69 Resp: 1672

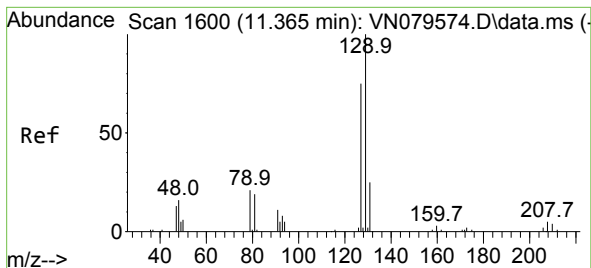
Ion Ratio Lower Upper

69 100

41 98.5 33.8 101.3

39 0.0 21.3 63.9#





#53

Dibromochloromethane

Concen: 6.144 ug/l

RT: 11.106 min Scan# 11

Delta R.T. -0.259 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

Instrument :

MSVOA_N

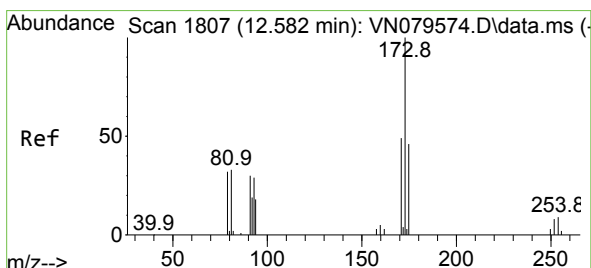
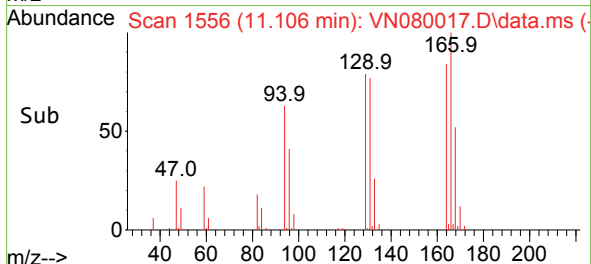
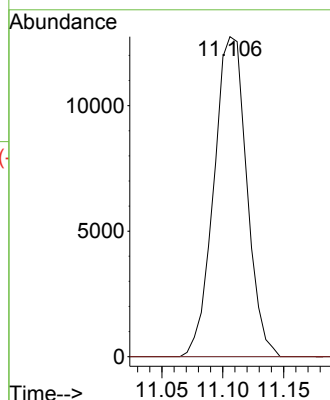
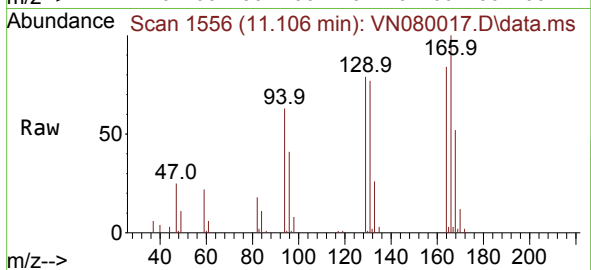
ClientSampleId :

Tgt Ion:129 Resp: 23941

Ion Ratio Lower Upper

129 100

127 0.0 38.8 116.3#



#56

Bromoform

Concen: 0.494 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

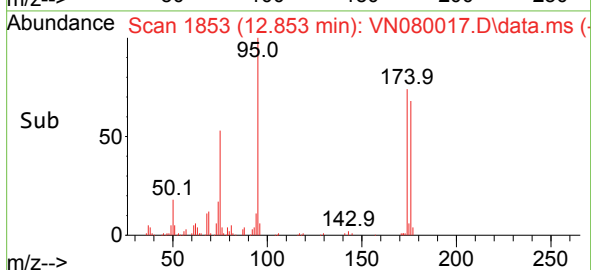
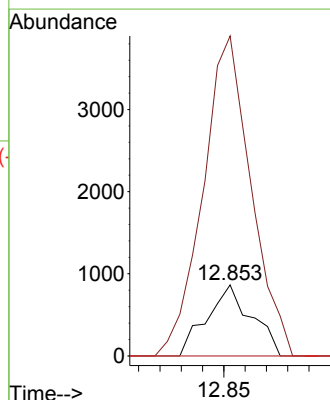
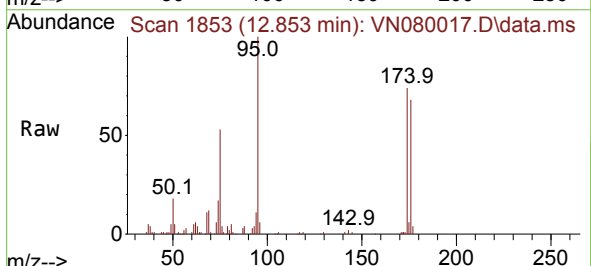
Tgt Ion:173 Resp: 1262

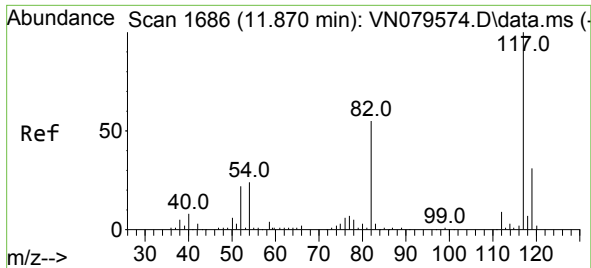
Ion Ratio Lower Upper

173 100

175 485.0 37.9 56.9#

254 0.0 7.3 10.9#

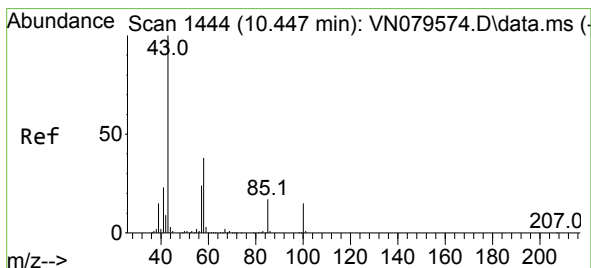
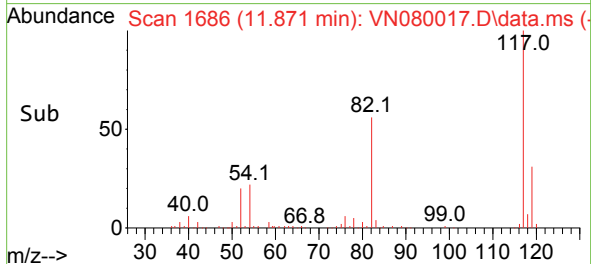
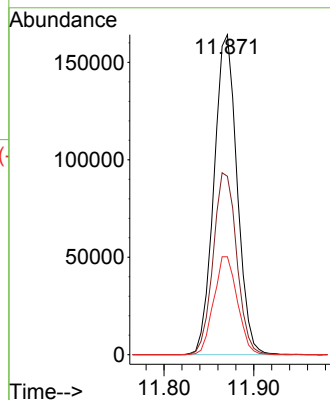
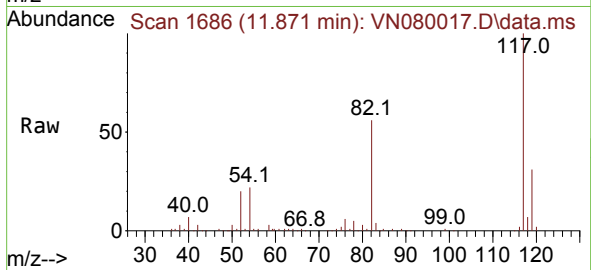




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

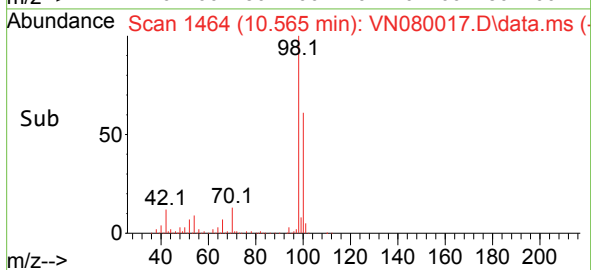
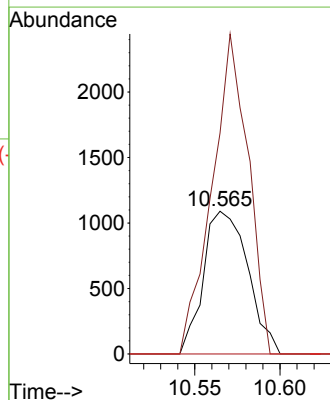
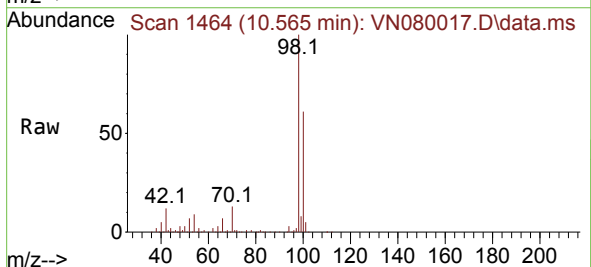
Instrument :
MSVOA_N
ClientSampleId :

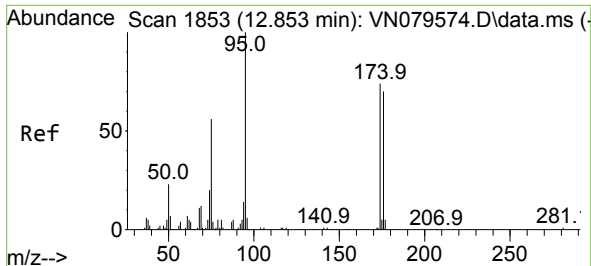
Tgt Ion:117 Resp: 294129
Ion Ratio Lower Upper
117 100
82 58.0 46.2 69.2
119 31.3 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
58 182.7 30.4 45.6#
85 0.0 13.2 19.8#

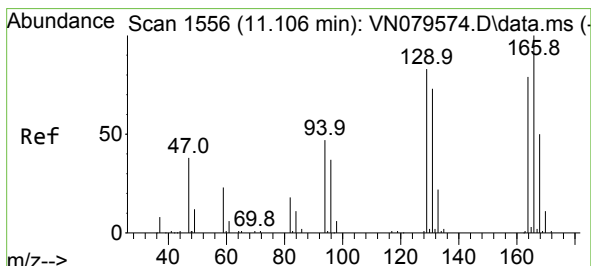
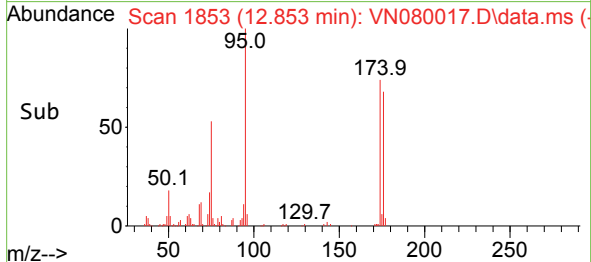
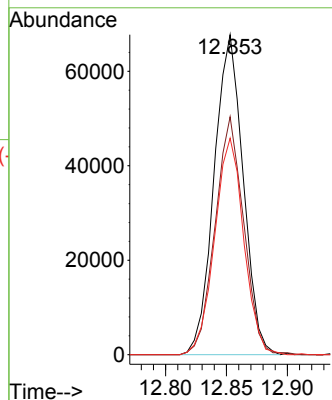
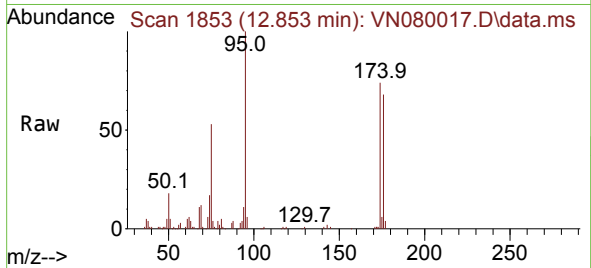




#60
4-Bromofluorobenzene
Concen: 23.886 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

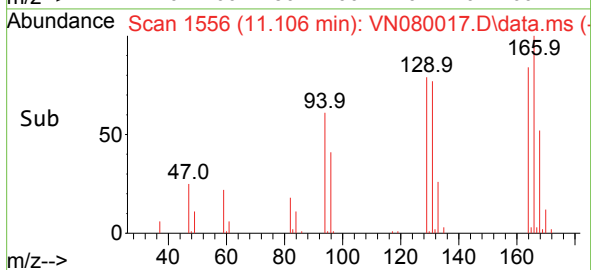
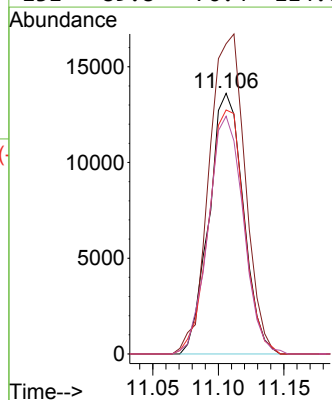
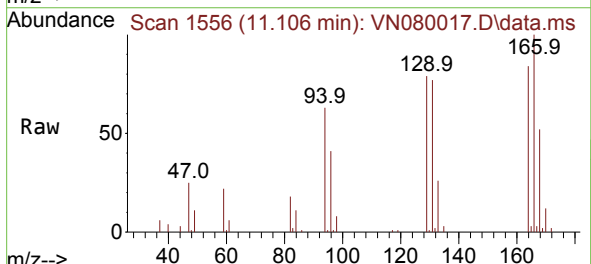
Instrument :
MSVOA_N
ClientSampleId :

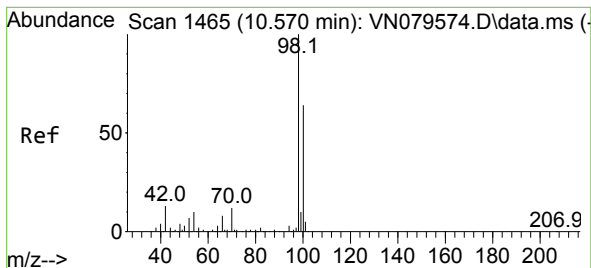
Tgt Ion: 95 Resp: 112351
Ion Ratio Lower Upper
95 100
174 72.9 60.5 90.7
176 67.9 57.2 85.8



#61
Tetrachloroethene
Concen: 7.174 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Tgt Ion: 164 Resp: 24740
Ion Ratio Lower Upper
164 100
166 119.0 98.2 147.4
129 93.6 75.0 112.4
131 89.8 76.4 114.6





#63

Toluene-d8

Concen: 28.194 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.001 min

Lab File: VN080017.D

Acq: 09 Nov 2023 01:53

Instrument :

MSVOA_N

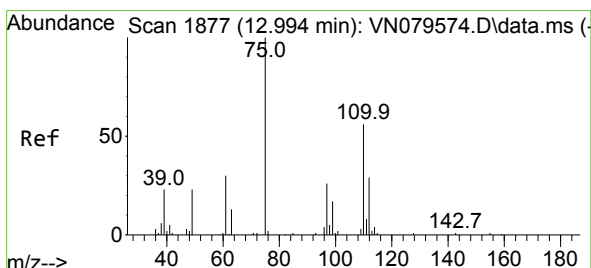
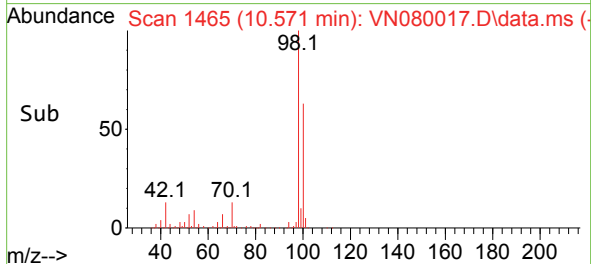
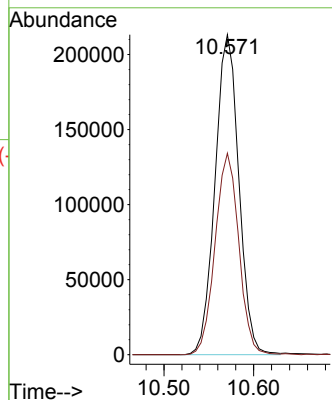
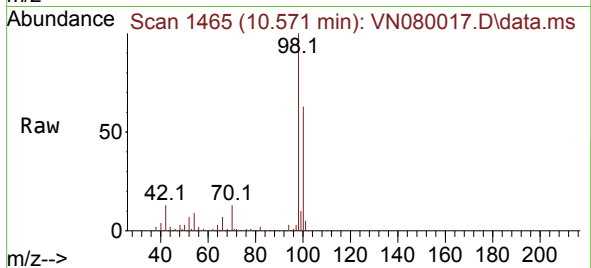
ClientSampleId :

Tgt Ion: 98 Resp: 392922

Ion Ratio Lower Upper

98 100

100 62.6 51.6 77.4



#72

1,2,3-Trichloropropane

Concen: 11.799 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080017.D

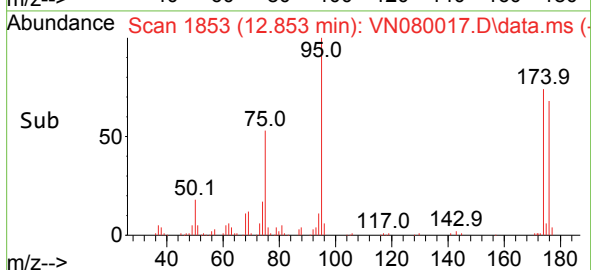
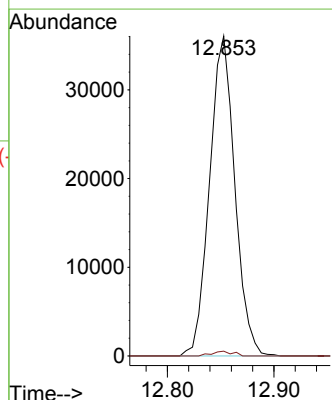
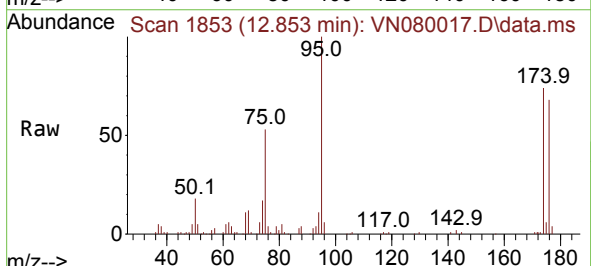
Acq: 09 Nov 2023 01:53

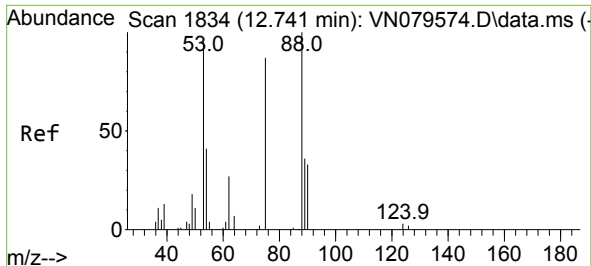
Tgt Ion: 75 Resp: 59416

Ion Ratio Lower Upper

75 100

77 1.2 0.0 338.2

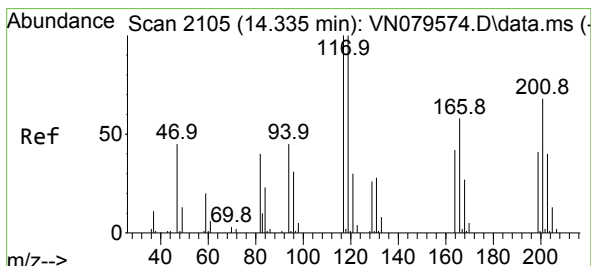
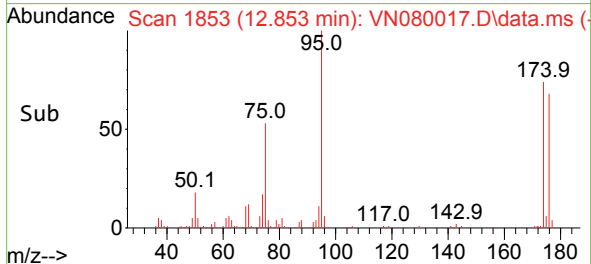
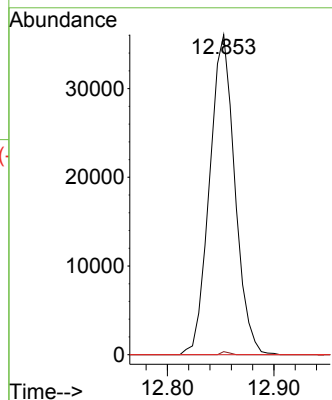
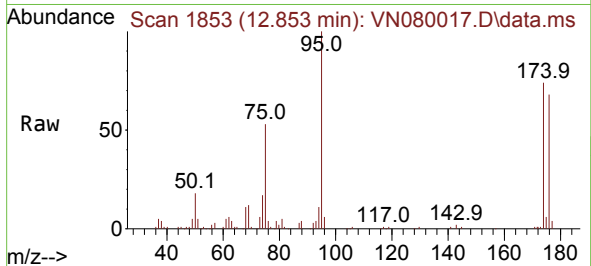




#77
t-1,4-Dichloro-2-butene
Concen: 36.034 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 59416
Ion Ratio Lower Upper
75 100
53 1.0 53.0 159.1#
89 0.0 22.6 67.7#



#86
Hexachloroethane
Concen: 0.266 ug/l
RT: 14.435 min Scan# 2122
Delta R.T. 0.100 min
Lab File: VN080017.D
Acq: 09 Nov 2023 01:53

Tgt Ion: 117 Resp: 611
Ion Ratio Lower Upper
117 100
201 0.0 32.5 97.5#

