

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080010.D
 Acq On : 08 Nov 2023 23:07
 Operator : JC\MD
 Sample : 05283-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:31:22 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)

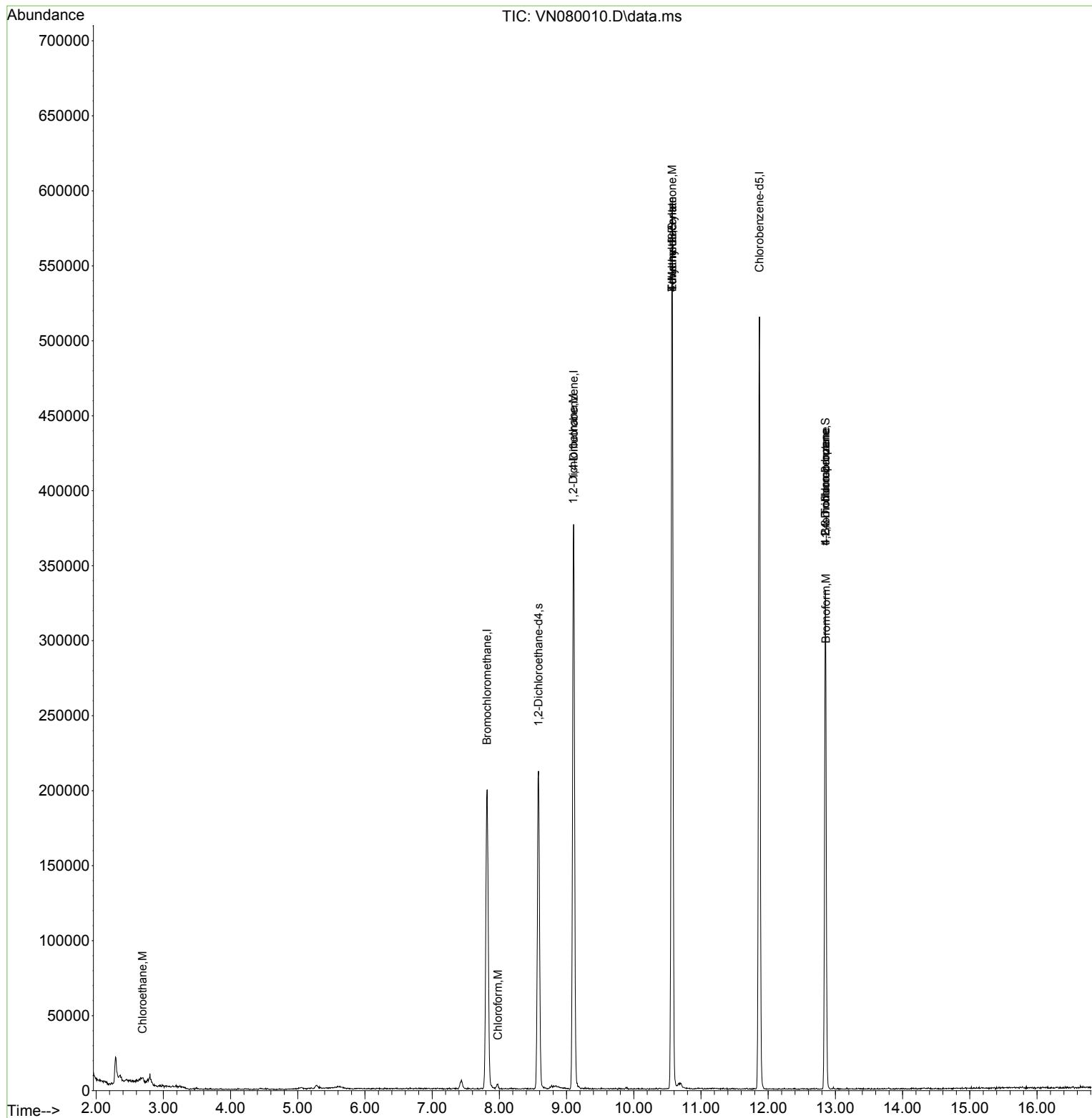
Internal Standards						
1) Bromochloromethane	7.818	128	69563	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	316471	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	299946	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	177179	30.343	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.133%
60) 4-Bromofluorobenzene	12.853	95	112751	23.506	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.367%
63) Toluene-d8	10.571	98	401644	28.261	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.200%
Target Compounds						
					Qvalue	
6) Chloroethane	2.689	64	1004	0.362	ug/l	93
25) Chloroform	7.977	83	2050	0.227	ug/l	93
36) 1,2-Dichloroethane	9.100	62	12375	2.119	ug/l #	75
51) Ethyl methacrylate	10.571	69	1434	0.265	ug/l	98
56) Bromoform	12.859	173	1145	0.434	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1914	0.382	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	61621	12.000	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	61621	36.647	ug/l #	7

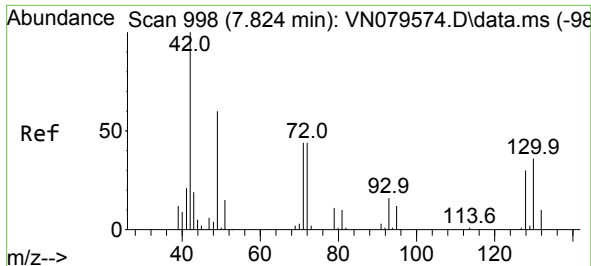
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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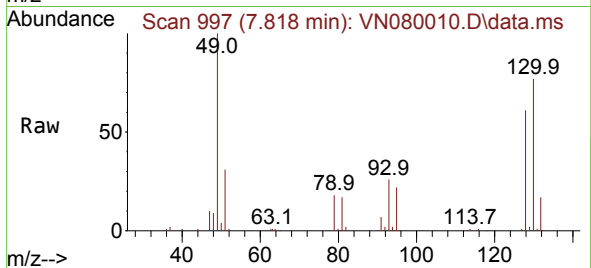
Quant Time: Nov 09 04:31:22 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



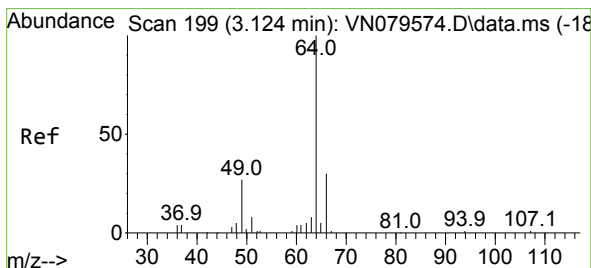
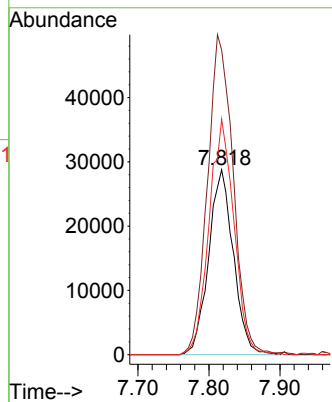
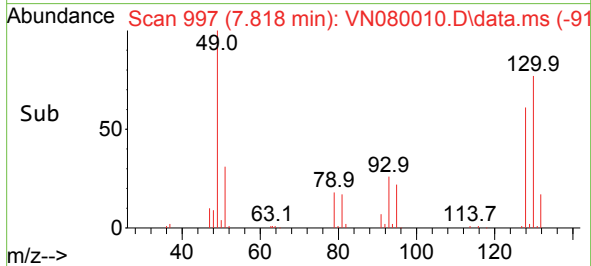


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

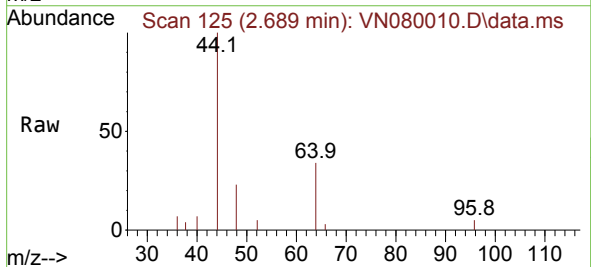
Instrument :
MSVOA_N
ClientSampleId :



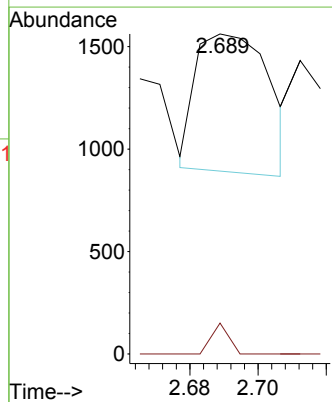
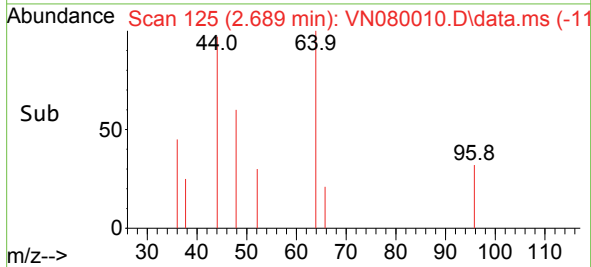
Tgt Ion:128 Resp: 69563
Ion Ratio Lower Upper
128 100
49 179.3 0.0 468.5
130 128.5 0.0 320.7

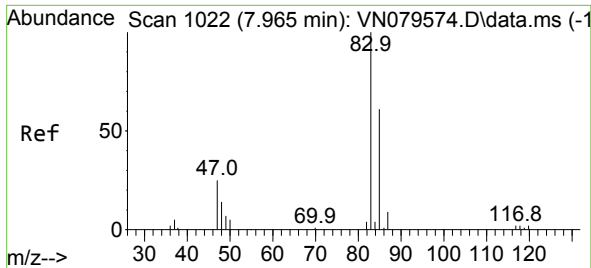


#6
Chloroethane
Concen: 0.362 ug/l
RT: 2.689 min Scan# 125
Delta R.T. -0.435 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07



Tgt Ion: 64 Resp: 1004
Ion Ratio Lower Upper
64 100
66 25.2 23.3 34.9

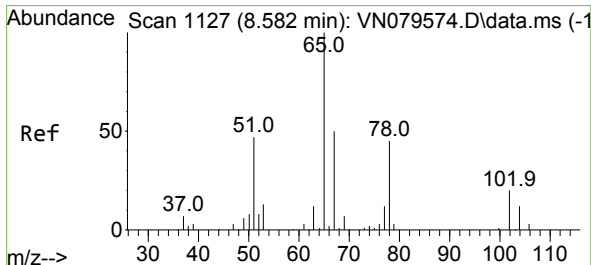
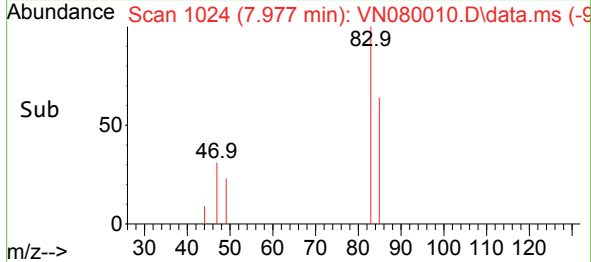
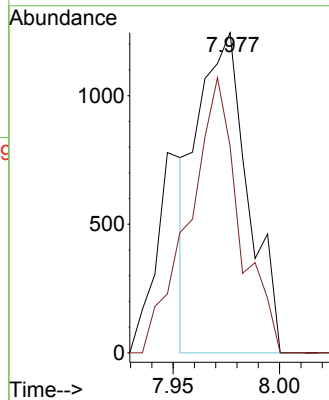
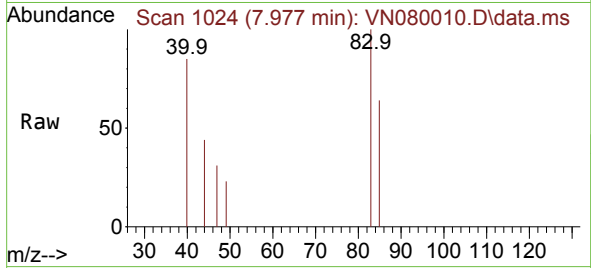




#25
Chloroform
Concen: 0.227 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.012 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

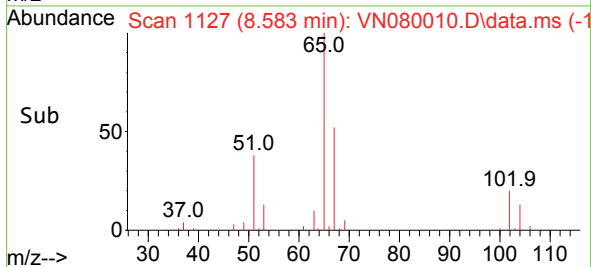
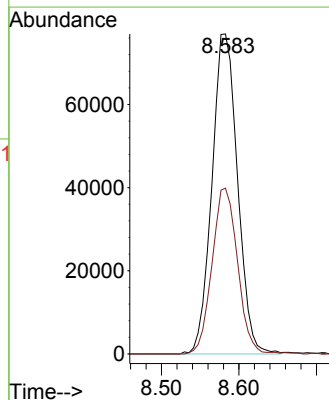
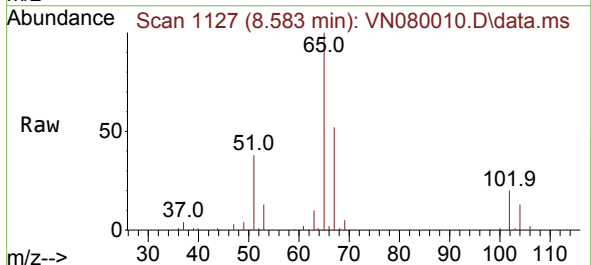
Instrument :
MSVOA_N
ClientSampleId :

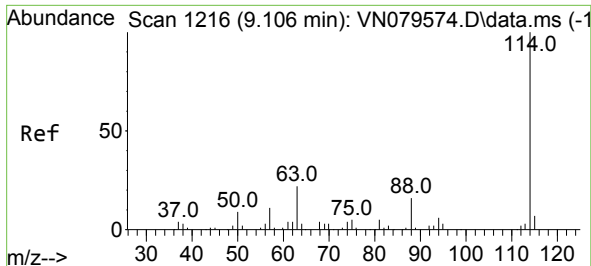
Tgt Ion: 83 Resp: 2050
Ion Ratio Lower Upper
83 100
85 64.5 47.4 71.2



#27
1,2-Dichloroethane-d4
Concen: 30.343 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.001 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion: 65 Resp: 177179
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# 1

Delta R.T. 0.000 min

Lab File: VN080010.D

Acq: 08 Nov 2023 23:07

Instrument :

MSVOA_N

ClientSampleId :

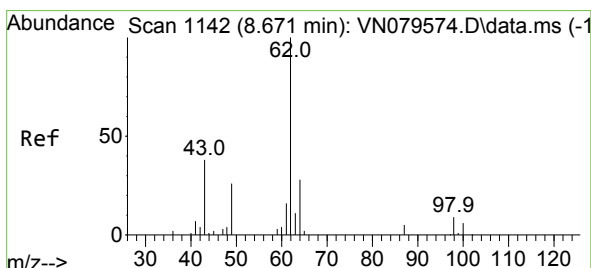
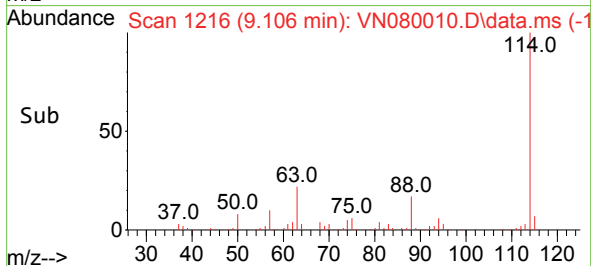
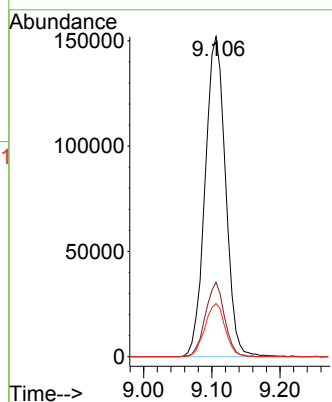
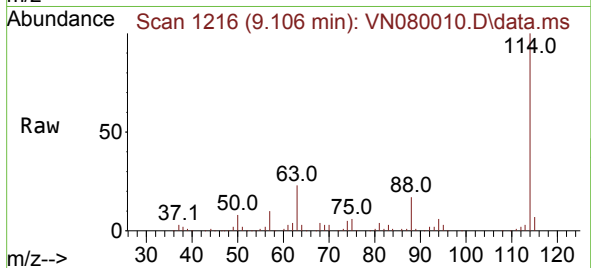
Tgt Ion:114 Resp: 316471

Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

88 16.5 12.2 18.2



#36

1,2-Dichloroethane

Concen: 2.119 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN080010.D

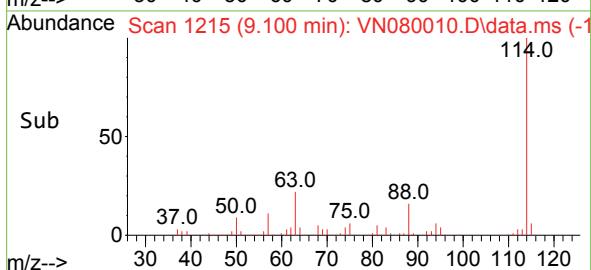
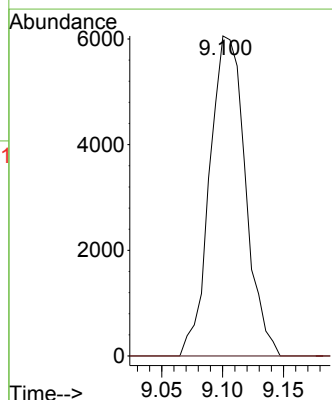
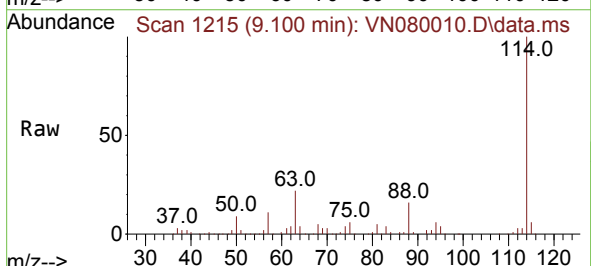
Acq: 08 Nov 2023 23:07

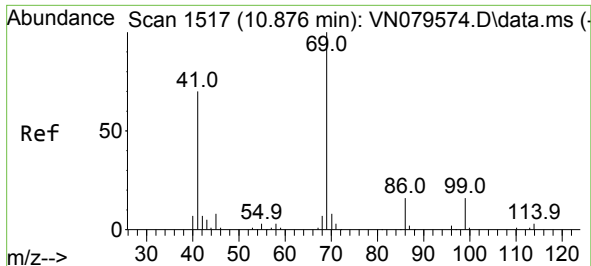
Tgt Ion: 62 Resp: 12375

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

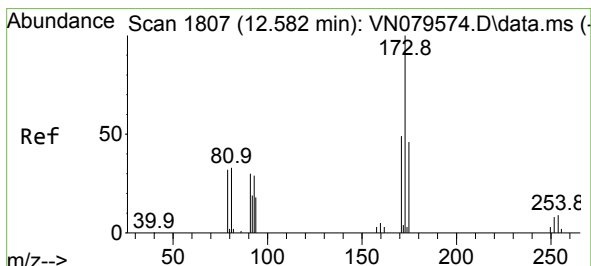
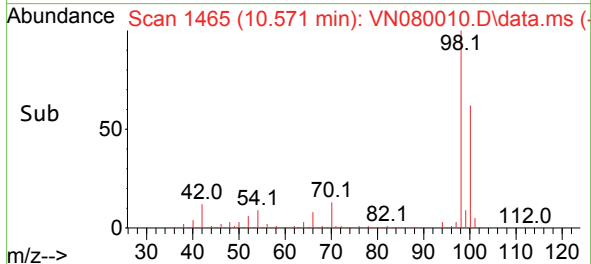
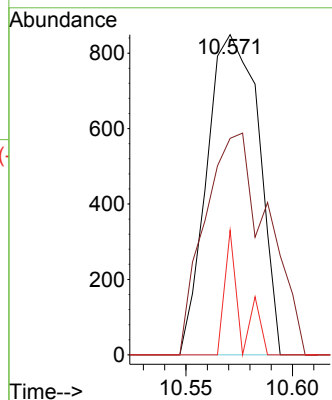
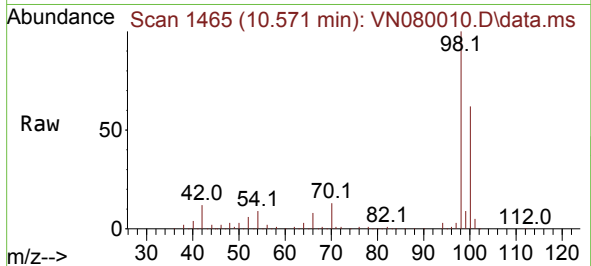




#51
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 10.571 min Scan# 14
Delta R.T. -0.305 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

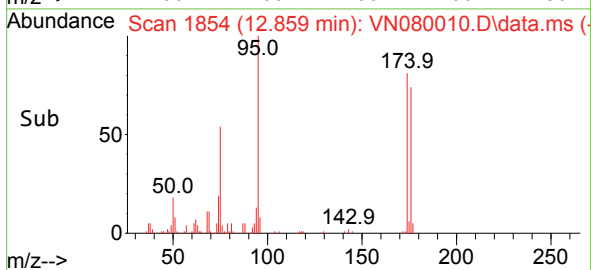
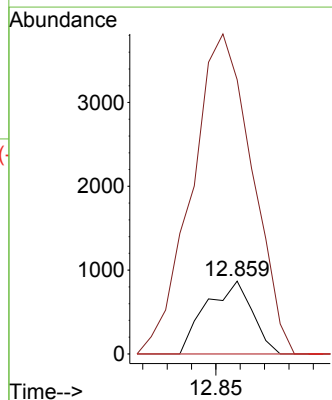
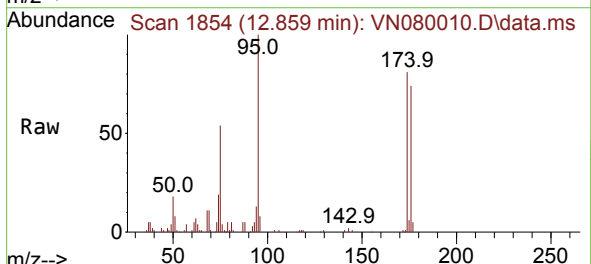
Instrument :
MSVOA_N
ClientSampleId :

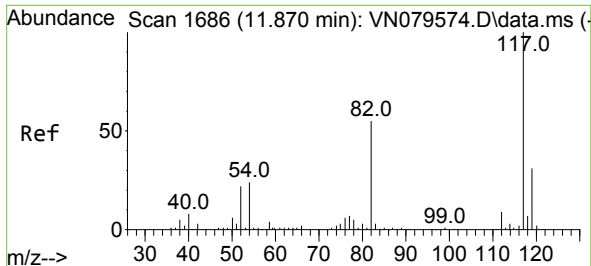
Tgt Ion: 69 Resp: 1434
Ion Ratio Lower Upper
69 100
41 67.6 33.8 101.3
39 38.9 21.3 63.9



#56
Bromoform
Concen: 0.434 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion:173 Resp: 1145
Ion Ratio Lower Upper
173 100
175 576.2 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: VN080010.D

Acq: 08 Nov 2023 23:07

Instrument :

MSVOA_N

ClientSampleId :

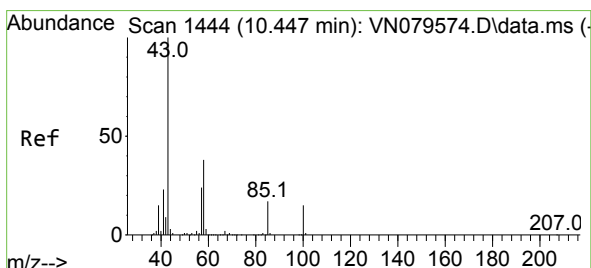
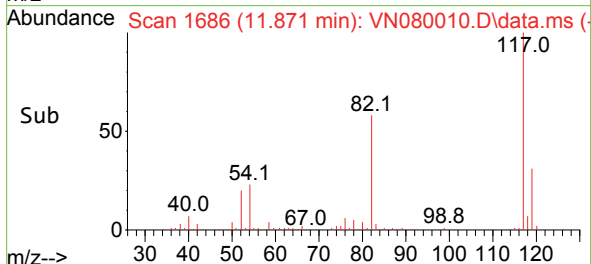
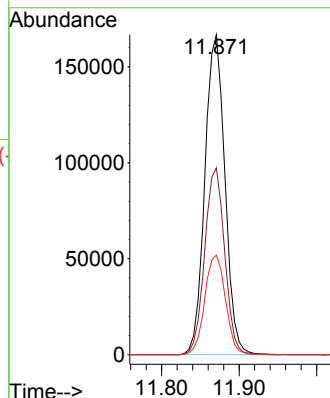
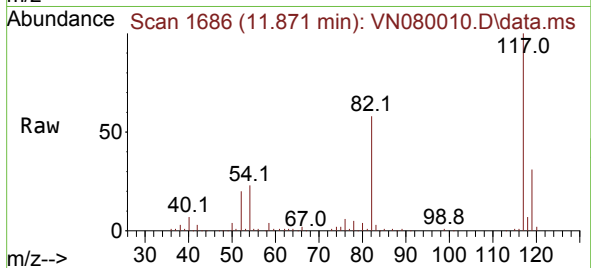
Tgt Ion:117 Resp: 299946

Ion Ratio Lower Upper

117 100

82 58.2 46.2 69.2

119 32.0 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.382 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN080010.D

Acq: 08 Nov 2023 23:07

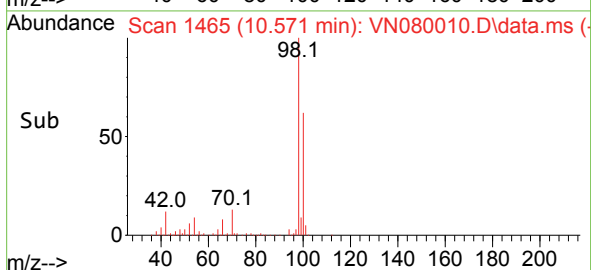
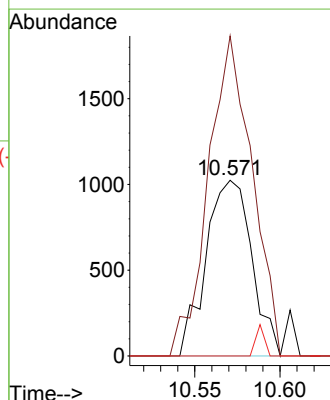
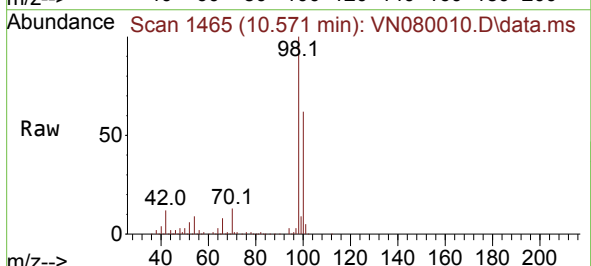
Tgt Ion: 43 Resp: 1914

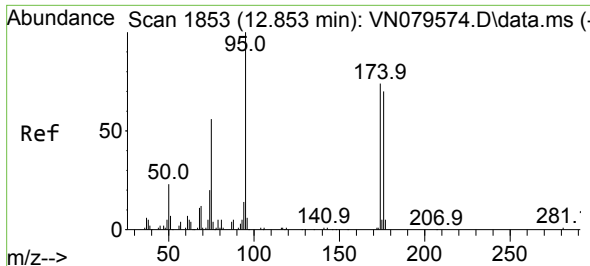
Ion Ratio Lower Upper

43 100

58 174.7 30.4 45.6#

85 0.0 13.2 19.8#

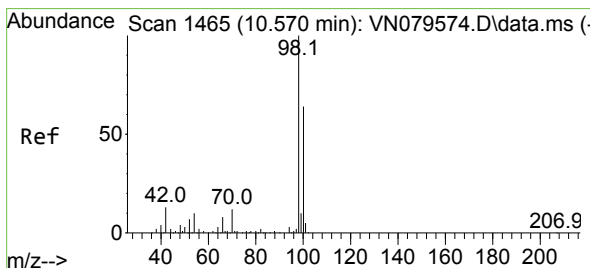
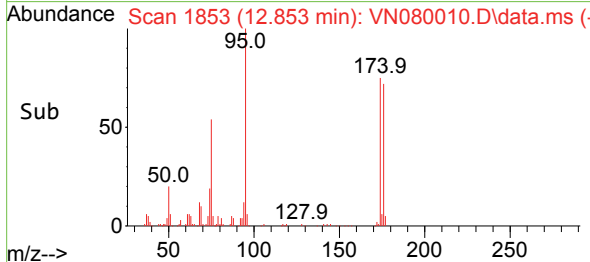
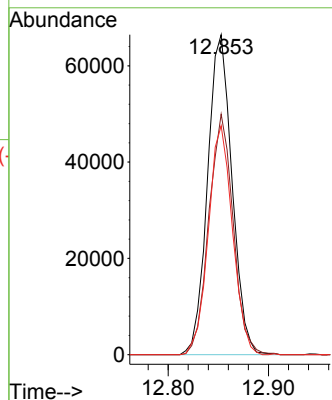
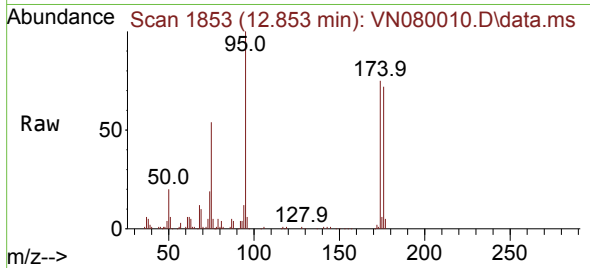




#60
4-Bromofluorobenzene
Concen: 23.506 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

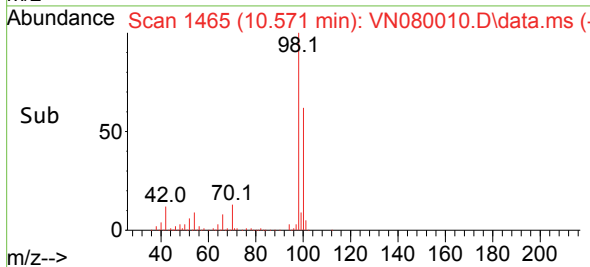
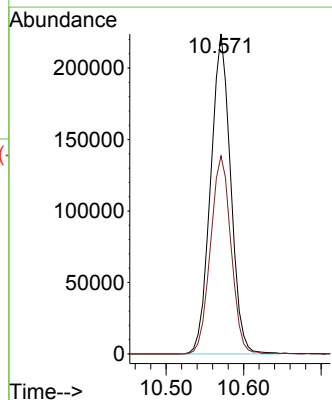
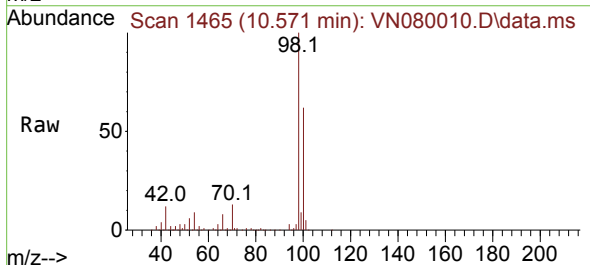
Instrument :
MSVOA_N
ClientSampleId :

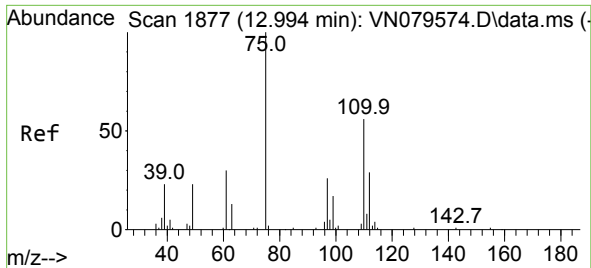
Tgt Ion: 95 Resp: 112751
Ion Ratio Lower Upper
95 100
174 74.6 60.5 90.7
176 70.6 57.2 85.8



#63
Toluene-d8
Concen: 28.261 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion: 98 Resp: 401644
Ion Ratio Lower Upper
98 100
100 63.2 51.6 77.4

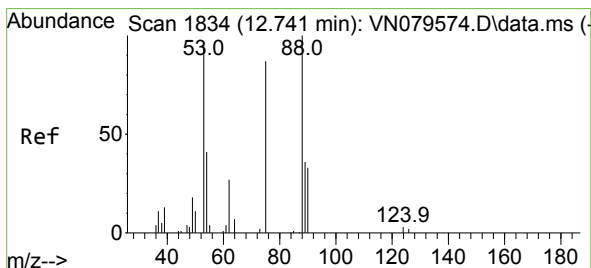
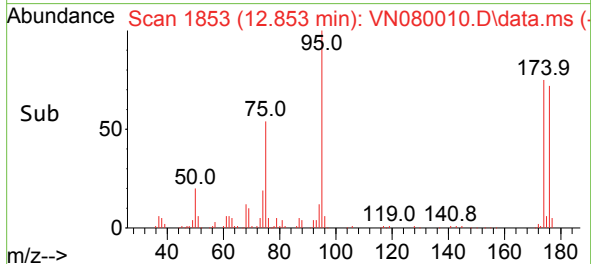
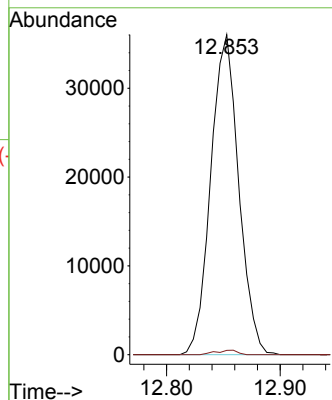
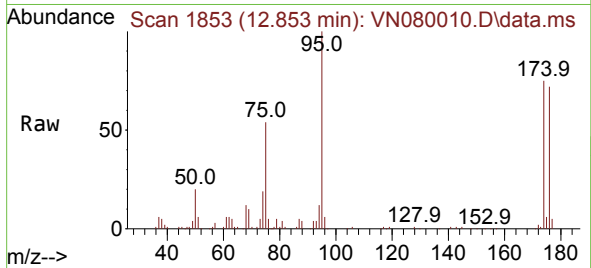




#72
1,2,3-Trichloropropane
Concen: 12.000 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61621
Ion Ratio Lower Upper
75 100
77 1.1 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 36.647 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080010.D
Acq: 08 Nov 2023 23:07

Tgt Ion: 75 Resp: 61621
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

