

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080004.D
 Acq On : 08 Nov 2023 20:44
 Operator : JC\MD
 Sample : 05231-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:29:35 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)

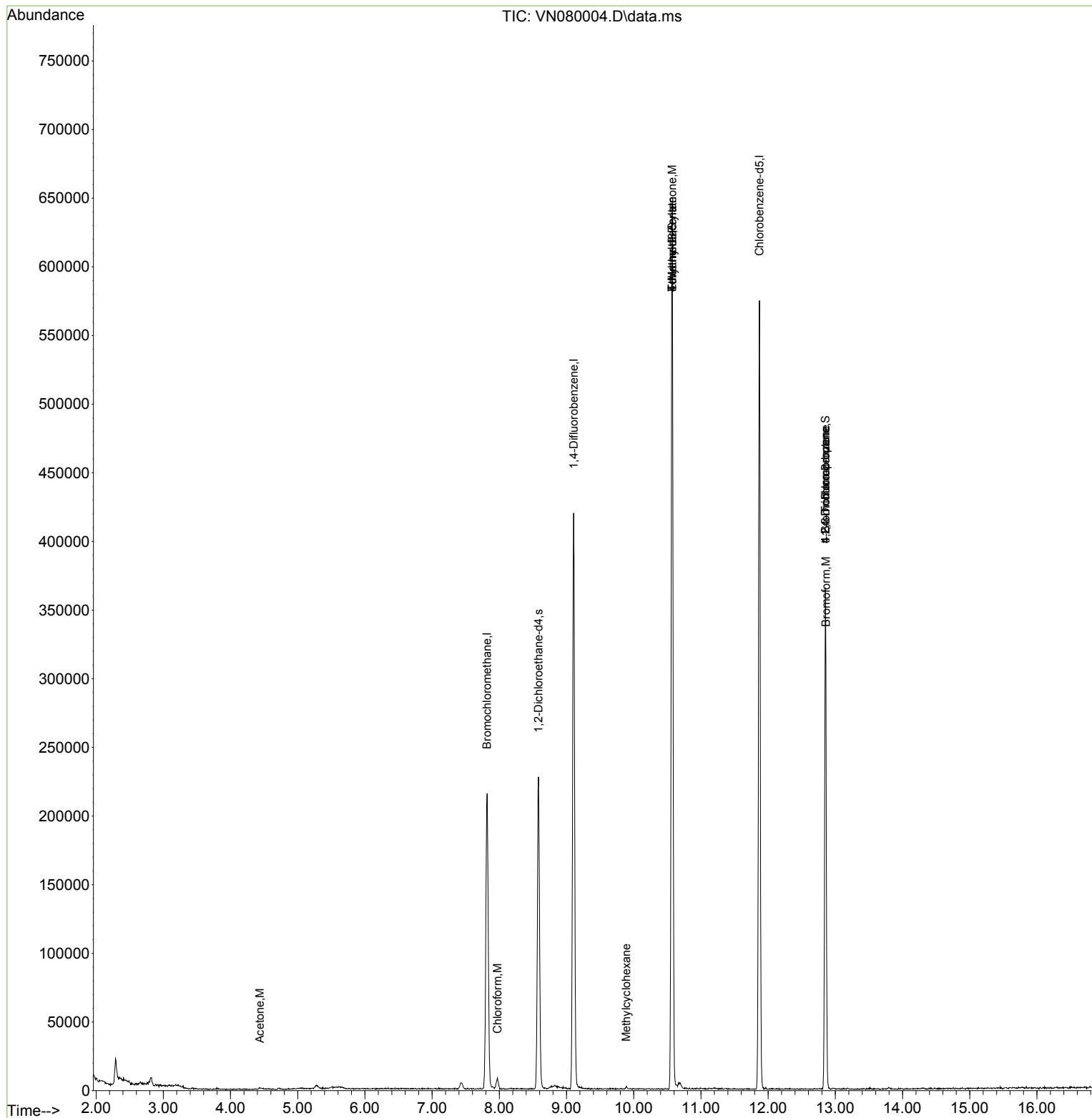
Internal Standards						
1) Bromochloromethane	7.818	128	73291	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	348463	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	325695	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	187298	30.444	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.467%
60) 4-Bromofluorobenzene	12.853	95	122503	23.520	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.400%
63) Toluene-d8	10.571	98	440755	28.561	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.200%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	240	0.306	ug/l #	1
25) Chloroform	7.971	83	7476	0.787	ug/l	95
38) Methylcyclohexane	9.888	83	1179	0.210	ug/l #	17
51) Ethyl methacrylate	10.571	69	1709	0.287	ug/l #	78
56) Bromoform	12.859	173	1217	0.419	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	2240	0.412	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	66279	11.886	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	66279	36.301	ug/l #	7

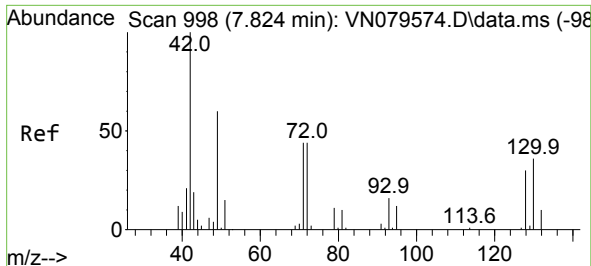
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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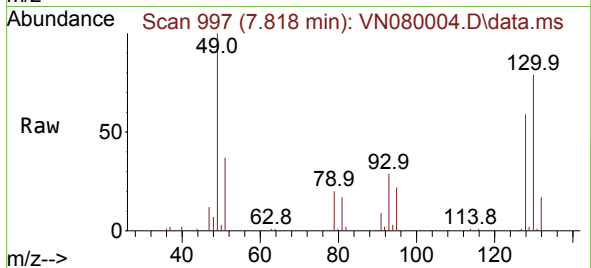
Quant Time: Nov 09 04:29:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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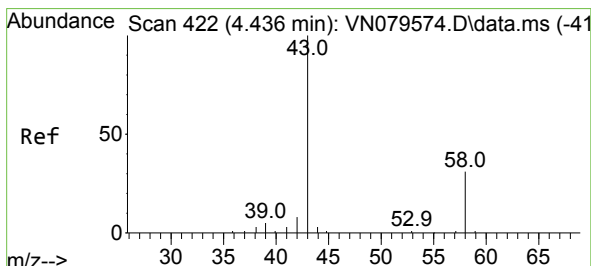
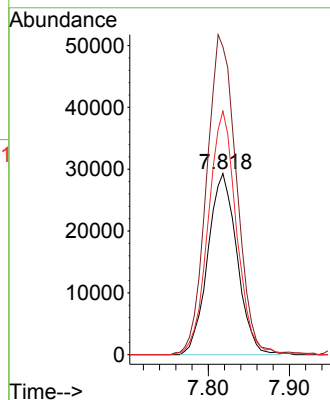
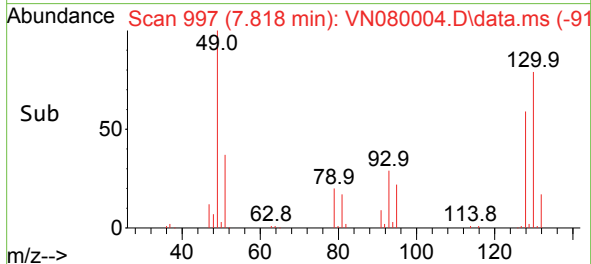


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44

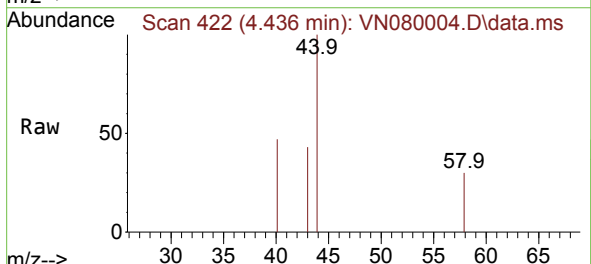
Instrument :
MSVOA_N
ClientSampleId :



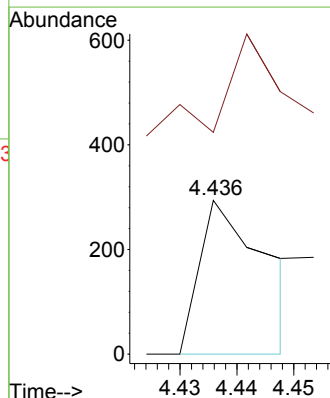
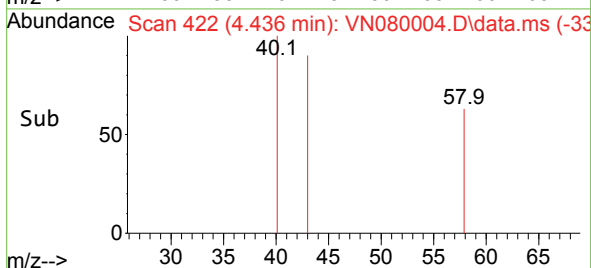
Tgt Ion:128 Resp: 73291
Ion Ratio Lower Upper
128 100
49 179.7 0.0 468.5
130 130.2 0.0 320.7

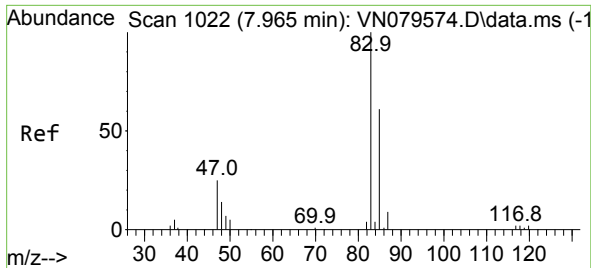


#15
Acetone
Concen: 0.306 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.000 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44



Tgt Ion: 58 Resp: 240
Ion Ratio Lower Upper
58 100
43 0.0 225.2 337.8#





#25

Chloroform

Concen: 0.787 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN080004.D

Acq: 08 Nov 2023 20:44

Instrument :

MSVOA_N

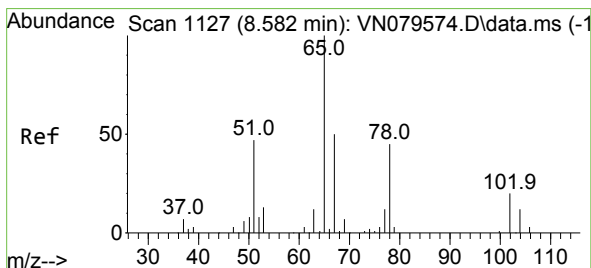
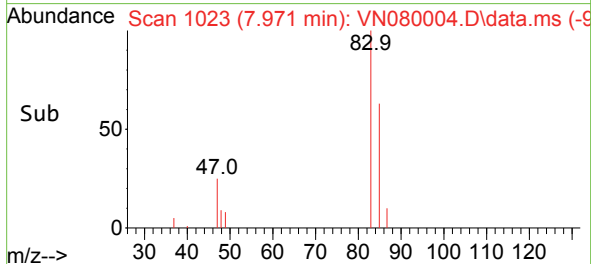
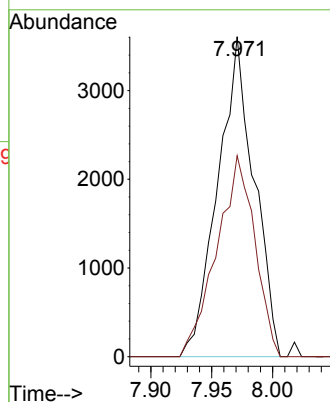
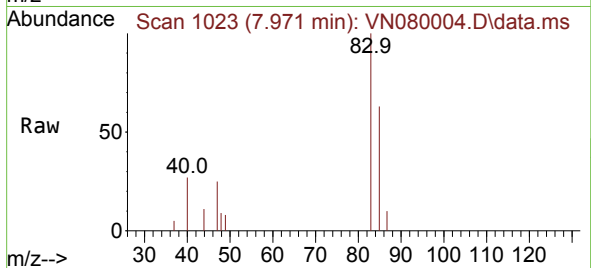
ClientSampleId :

Tgt Ion: 83 Resp: 7476

Ion Ratio Lower Upper

83 100

85 62.8 47.4 71.2



#27

1,2-Dichloroethane-d4

Concen: 30.444 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN080004.D

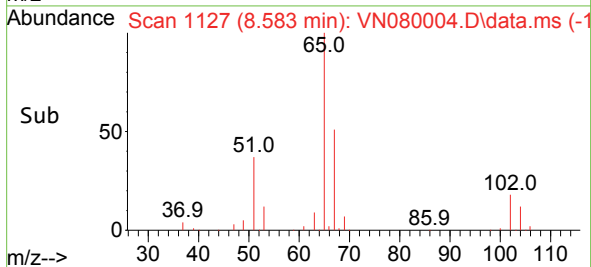
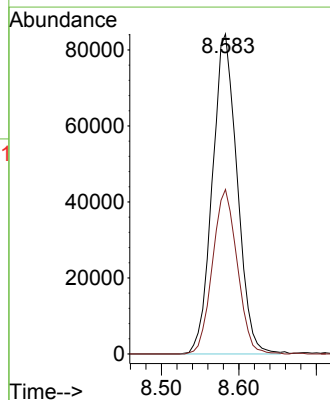
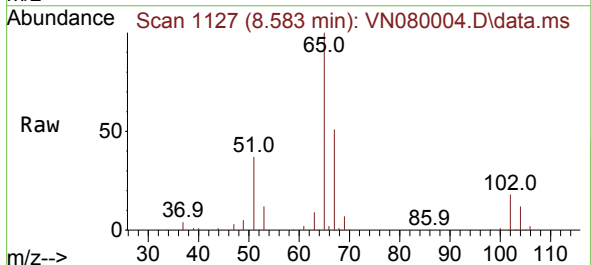
Acq: 08 Nov 2023 20:44

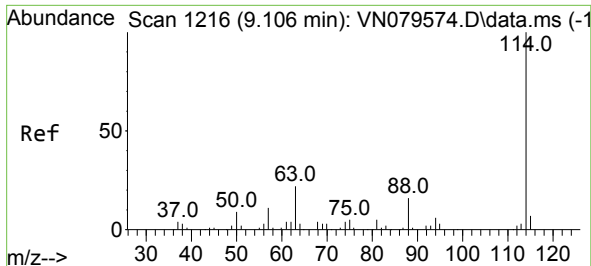
Tgt Ion: 65 Resp: 187298

Ion Ratio Lower Upper

65 100

67 51.1 42.1 63.1

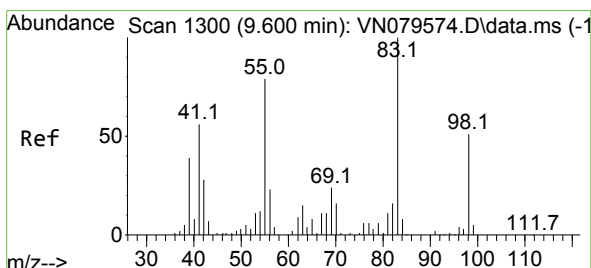
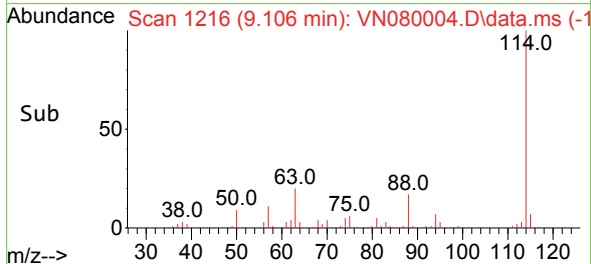
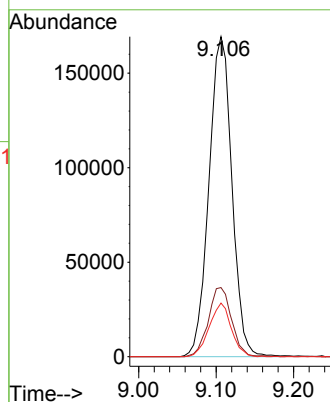
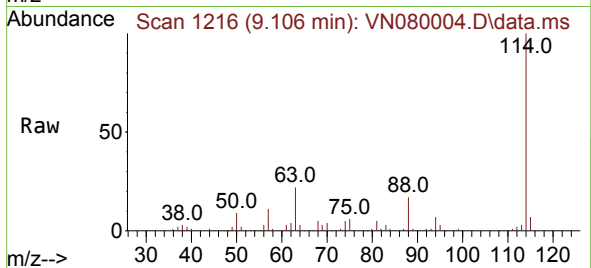




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44

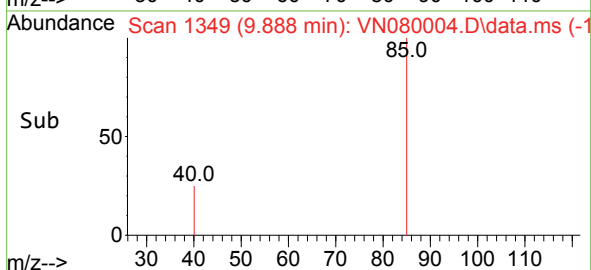
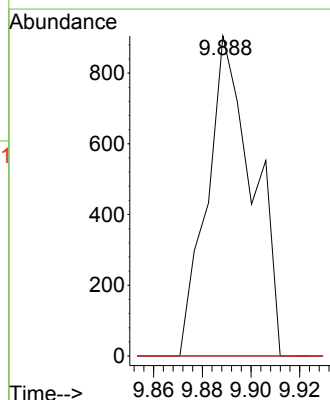
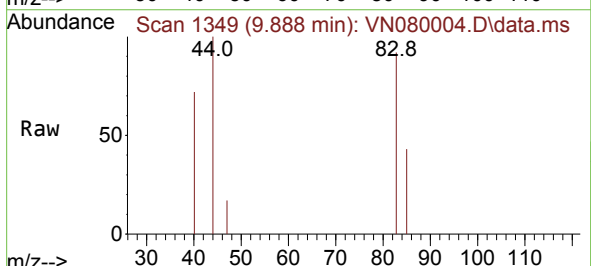
Instrument :
MSVOA_N
ClientSampleId :

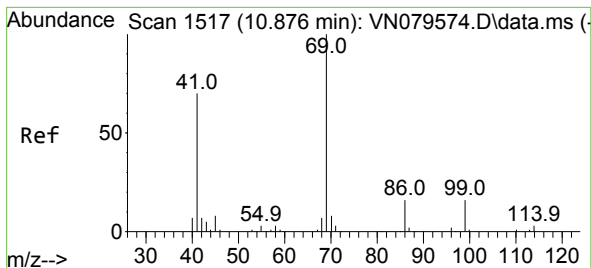
Tgt Ion:114 Resp: 348463
Ion Ratio Lower Upper
114 100
63 21.7 18.1 27.1
88 16.1 12.2 18.2



#38
Methylcyclohexane
Concen: 0.210 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44

Tgt Ion: 83 Resp: 1179
Ion Ratio Lower Upper
83 100
55 0.0 39.7 119.1#
98 0.0 24.4 73.2#





#51

Ethyl methacrylate

Concen: 0.287 ug/l

RT: 10.571 min Scan# 14

Delta R.T. -0.305 min

Lab File: VN080004.D

Acq: 08 Nov 2023 20:44

Instrument :

MSVOA_N

ClientSampleId :

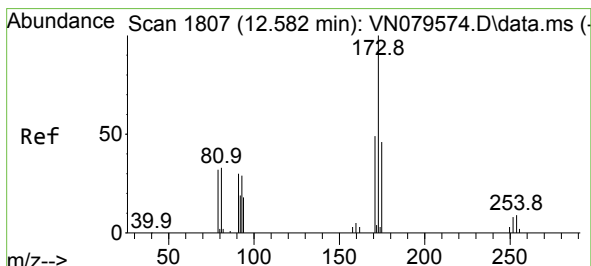
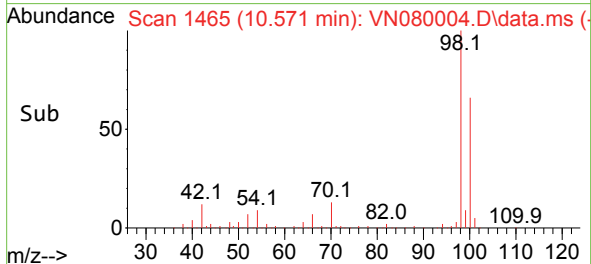
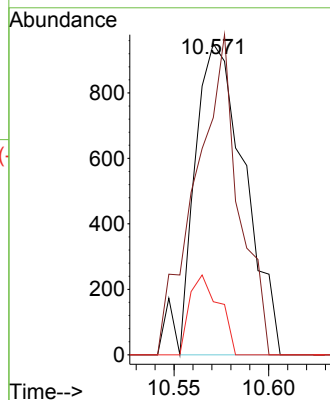
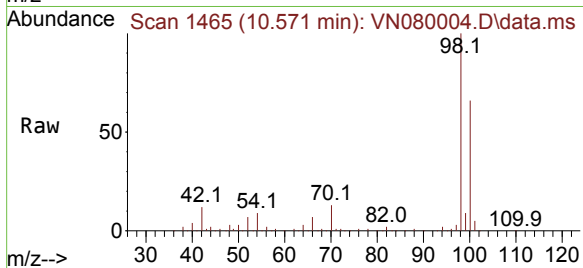
Tgt Ion: 69 Resp: 1709

Ion Ratio Lower Upper

69 100

41 76.3 33.8 101.3

39 17.1 21.3 63.9#



#56

Bromoform

Concen: 0.419 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.277 min

Lab File: VN080004.D

Acq: 08 Nov 2023 20:44

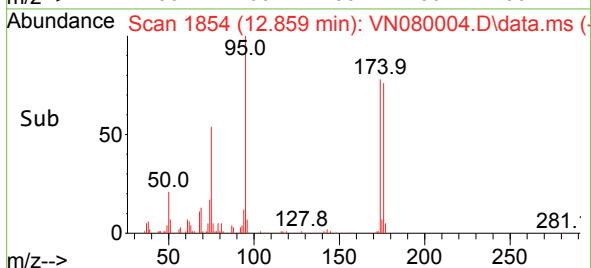
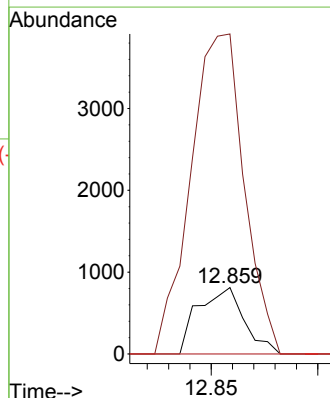
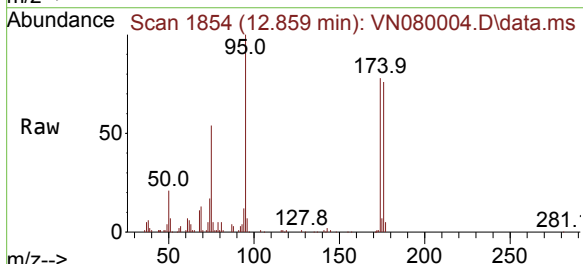
Tgt Ion:173 Resp: 1217

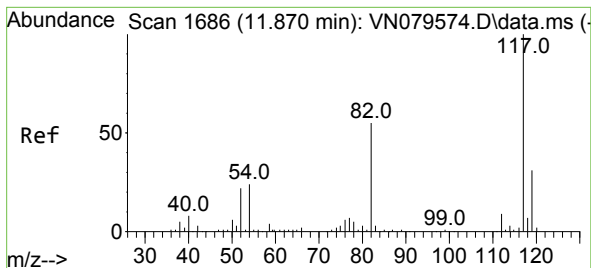
Ion Ratio Lower Upper

173 100

175 562.0 37.9 56.9#

254 0.0 7.3 10.9#

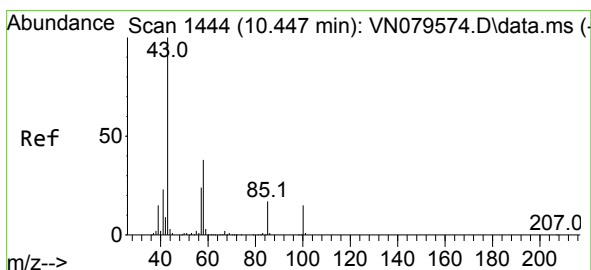
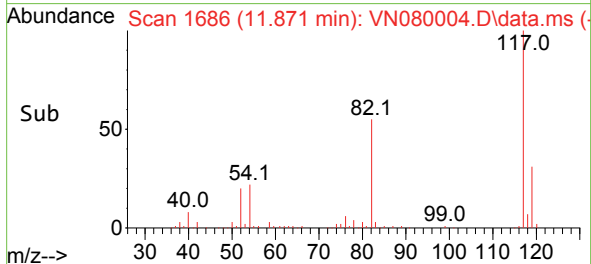
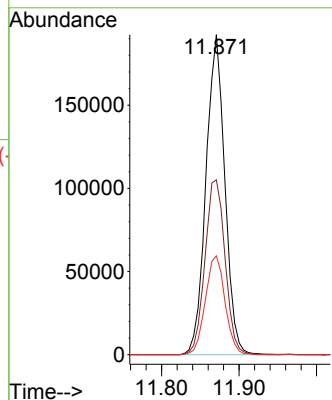
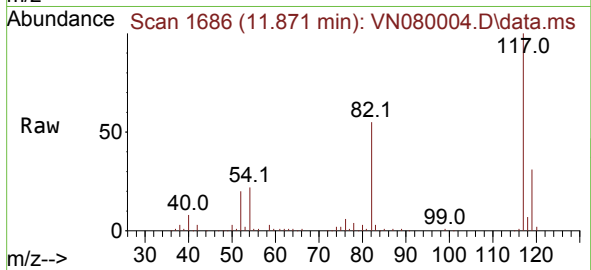




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44

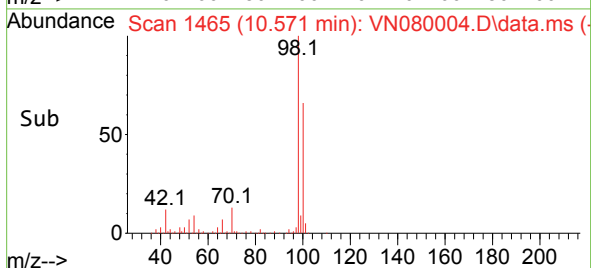
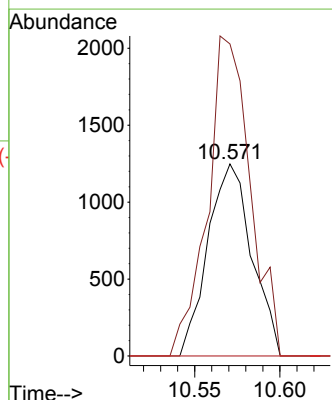
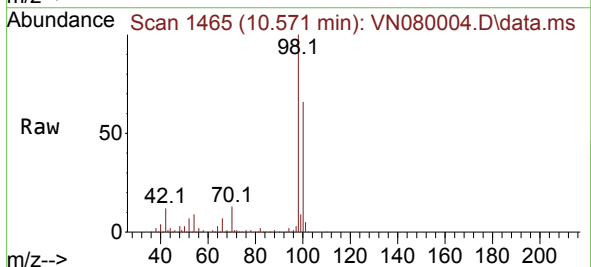
Instrument :
MSVOA_N
ClientSampleId :

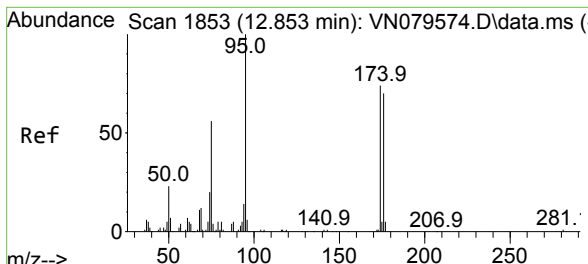
Tgt Ion:117 Resp: 325695
Ion Ratio Lower Upper
117 100
82 58.2 46.2 69.2
119 32.1 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.412 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN080004.D
Acq: 08 Nov 2023 20:44

Tgt Ion: 43 Resp: 2240
Ion Ratio Lower Upper
43 100
58 161.5 30.4 45.6#
85 0.0 13.2 19.8#

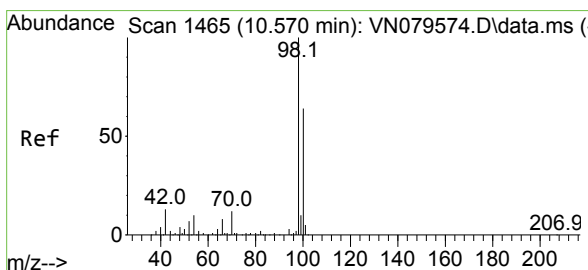
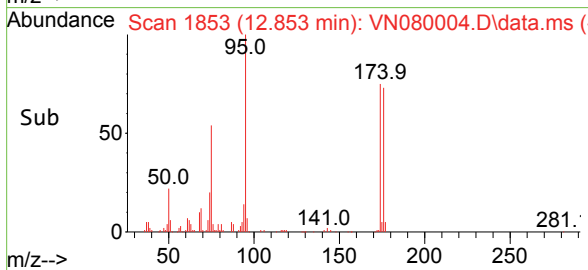
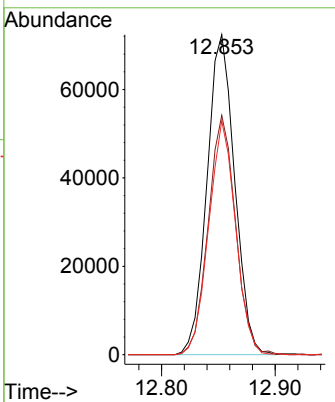
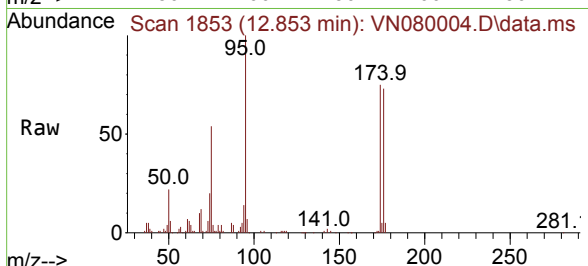




#60
 4-Bromofluorobenzene
 Concen: 23.520 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN080004.D
 Acq: 08 Nov 2023 20:44

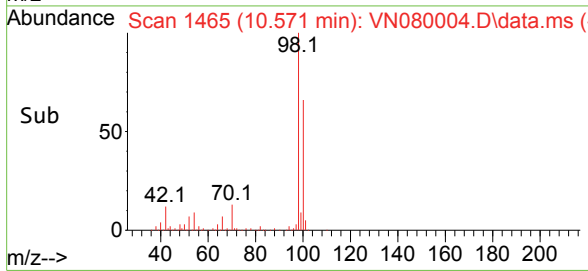
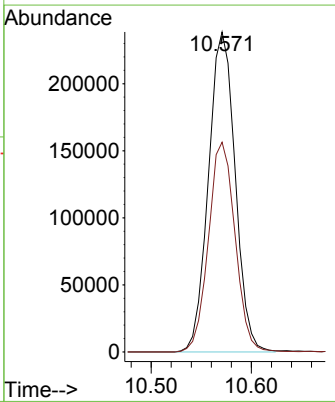
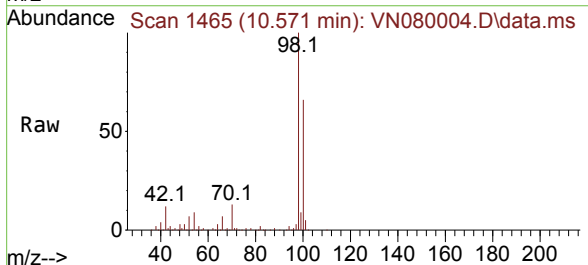
Instrument :
 MSVOA_N
 ClientSampleId :

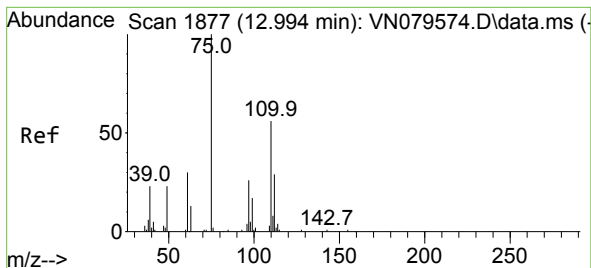
Tgt Ion:	95	Resp:	122503
Ion Ratio	Lower	Upper	
95	100		
174	73.9	60.5	90.7
176	70.8	57.2	85.8



#63
 Toluene-d8
 Concen: 28.561 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. 0.001 min
 Lab File: VN080004.D
 Acq: 08 Nov 2023 20:44

Tgt Ion:	98	Resp:	440755
Ion Ratio	Lower	Upper	
98	100		
100	65.5	51.6	77.4





#72

1,2,3-Trichloropropane

Concen: 11.886 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080004.D

Acq: 08 Nov 2023 20:44

Instrument :

MSVOA_N

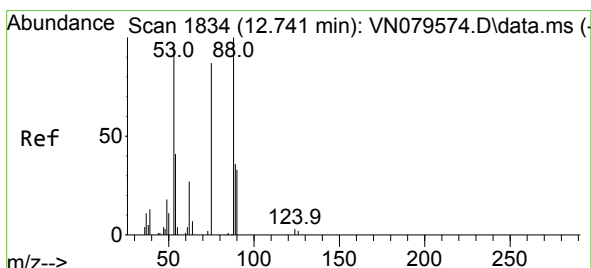
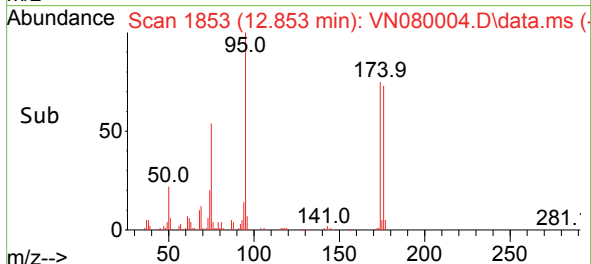
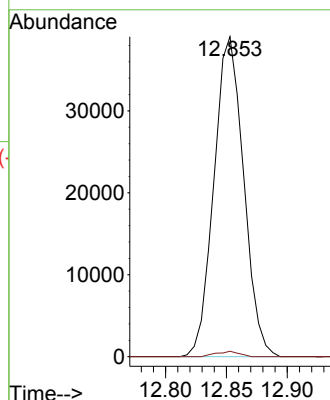
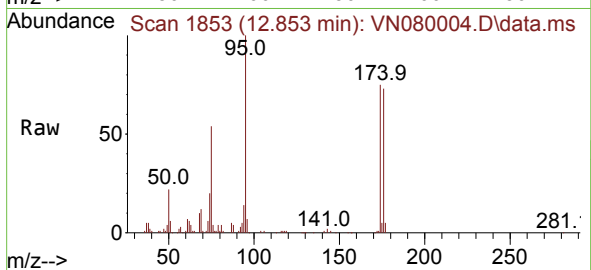
ClientSampleId :

Tgt Ion: 75 Resp: 66279

Ion Ratio Lower Upper

75 100

77 1.3 0.0 338.2



#77

t-1,4-Dichloro-2-butene

Concen: 36.301 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080004.D

Acq: 08 Nov 2023 20:44

Tgt Ion: 75 Resp: 66279

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

