

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080001.D
 Acq On : 08 Nov 2023 19:32
 Operator : JC\MD
 Sample : 05211-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:28:43 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)

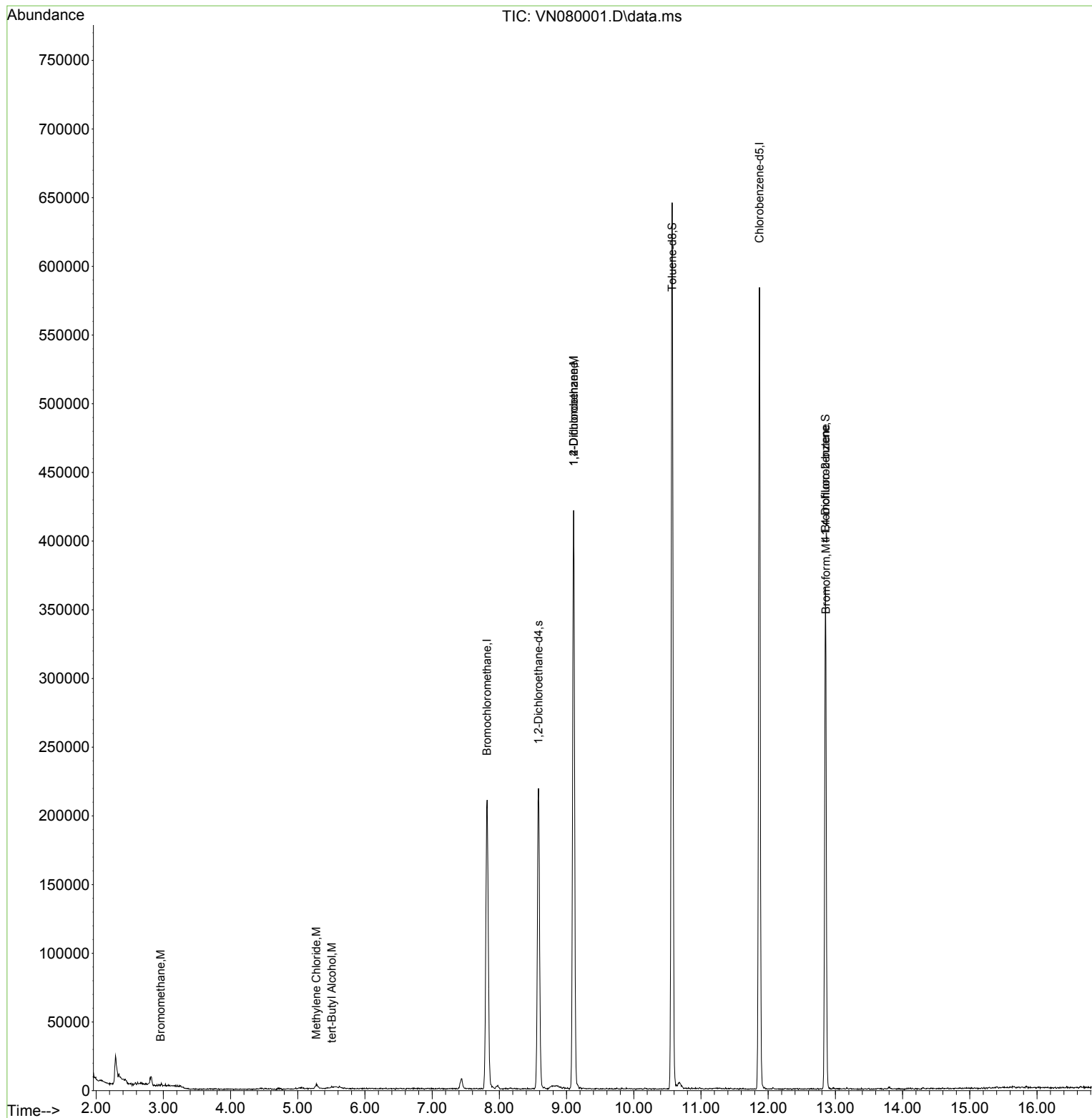
Internal Standards						
1) Bromochloromethane	7.818	128	72264	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	351793	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	330181	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	182678	30.115	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.367%
60) 4-Bromofluorobenzene	12.853	95	126122	23.886	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.633%
63) Toluene-d8	10.571	98	442808	28.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.333%
Target Compounds						
					Qvalue	
5) Bromomethane	2.959	94	601	0.221	ug/l #	56
18) Methylene Chloride	5.277	84	1977	0.396	ug/l #	39
23) tert-Butyl Alcohol	5.506	59	176	0.285	ug/l #	100
36) 1,2-Dichloroethane	9.106	62	13678	2.107	ug/l #	75
56) Bromoform	12.859	173	1277	0.435	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	69027	37.292	ug/l #	8

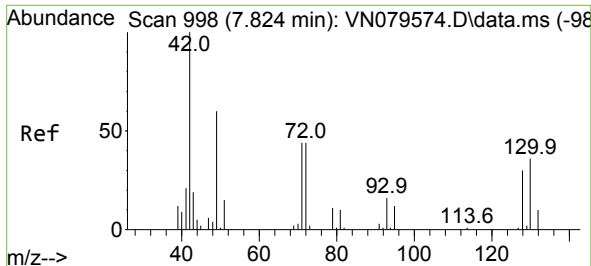
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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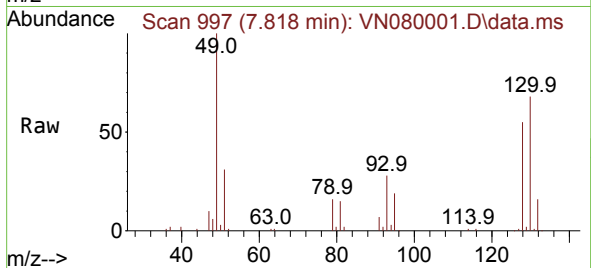
Quant Time: Nov 09 04:28:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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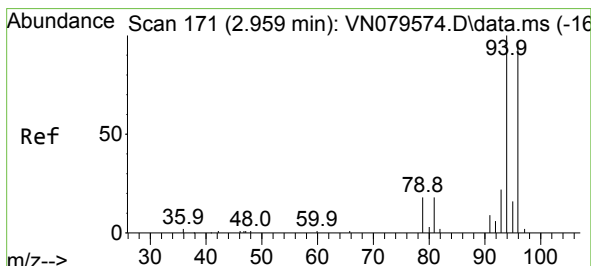
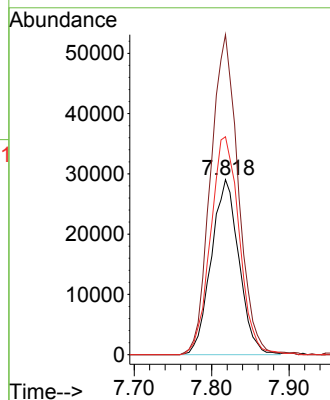
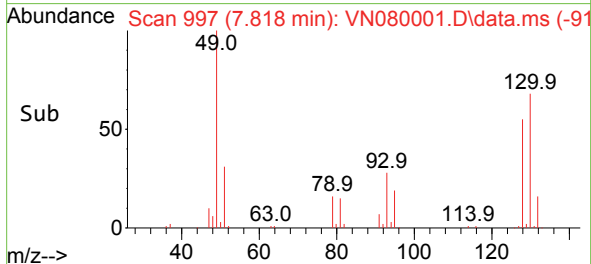


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

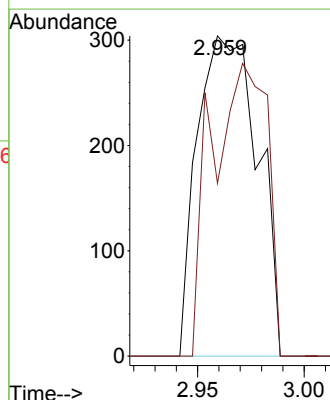
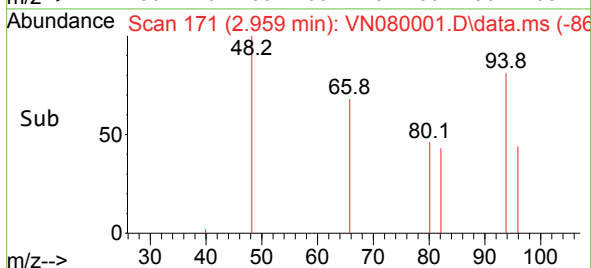
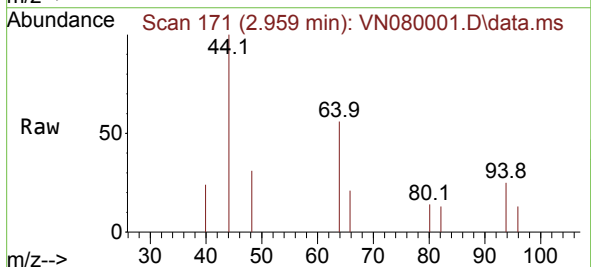


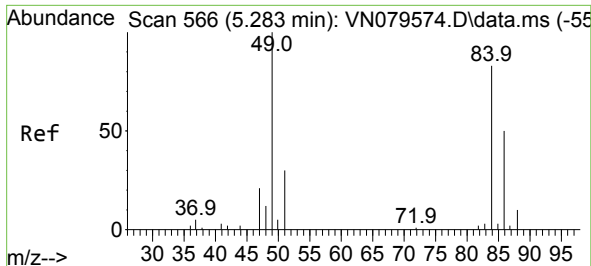
Tgt Ion:128 Resp: 72264
Ion Ratio Lower Upper
128 100
49 182.0 0.0 468.5
130 129.0 0.0 320.7



#5
Bromomethane
Concen: 0.221 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

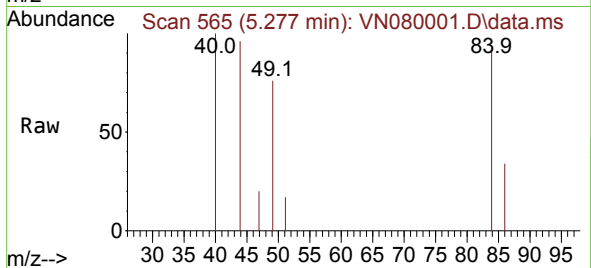
Tgt Ion: 94 Resp: 601
Ion Ratio Lower Upper
94 100
96 53.9 77.8 116.6#



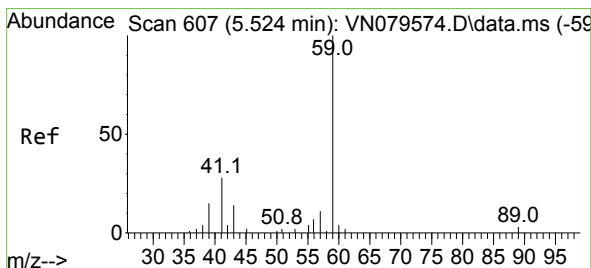
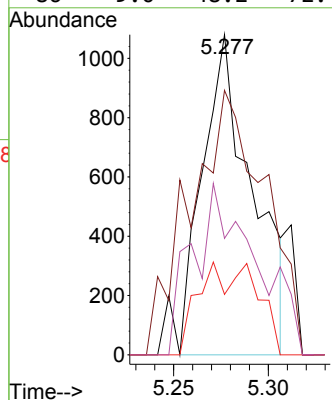


#18
Methylene Chloride
Concen: 0.396 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

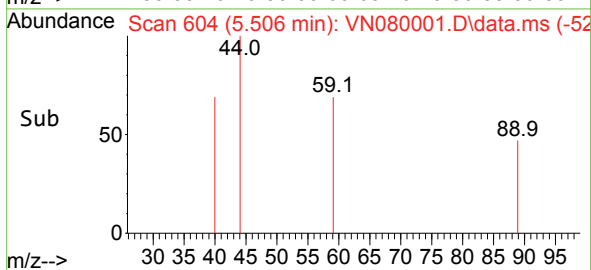
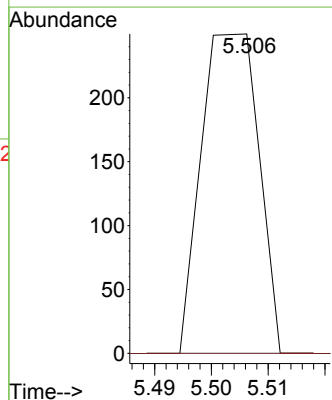
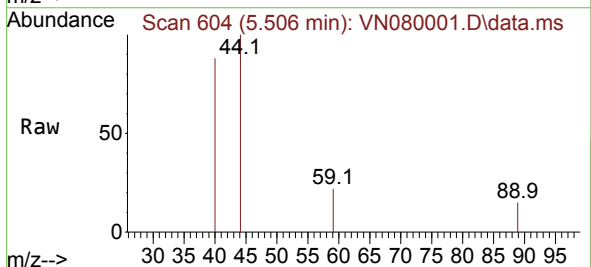


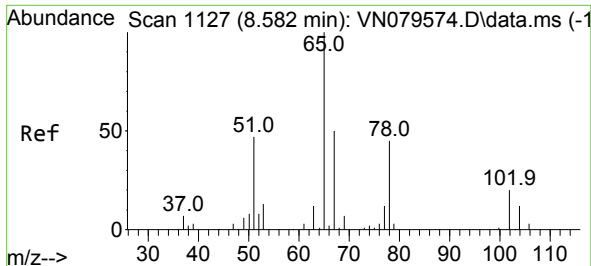
Tgt Ion:	84	Resp:	1977
Ion	Ratio	Lower	Upper
84	100		
49	49.2	100.9	151.3#
51	18.9	29.4	44.2#
86	9.0	48.2	72.4#



#23
tert-Butyl Alcohol
Concen: 0.285 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Tgt Ion:	59	Resp:	176
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#27

1,2-Dichloroethane-d4

Concen: 30.115 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080001.D

Acq: 08 Nov 2023 19:32

Instrument :

MSVOA_N

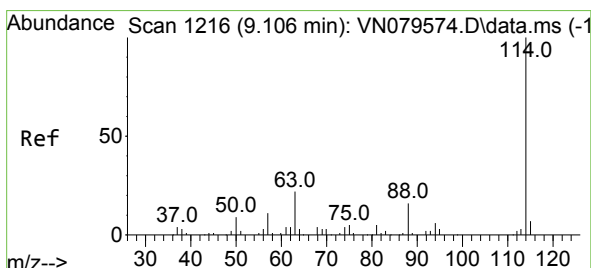
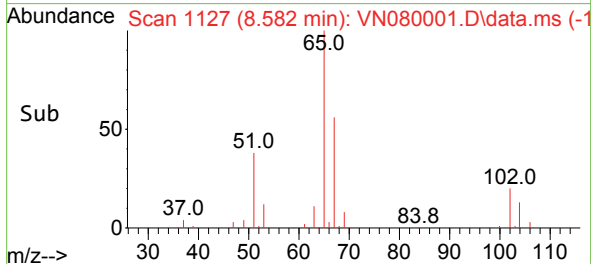
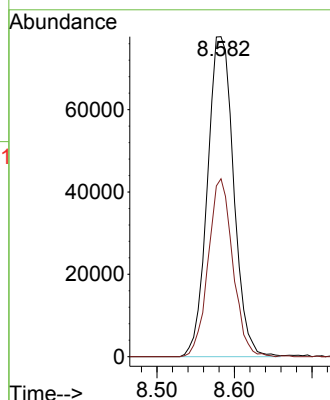
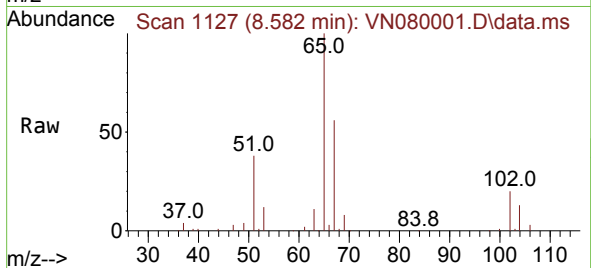
ClientSampleId :

Tgt Ion: 65 Resp: 182678

Ion Ratio Lower Upper

65 100

67 52.1 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: VN080001.D

Acq: 08 Nov 2023 19:32

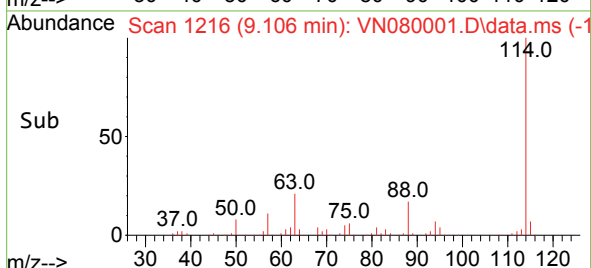
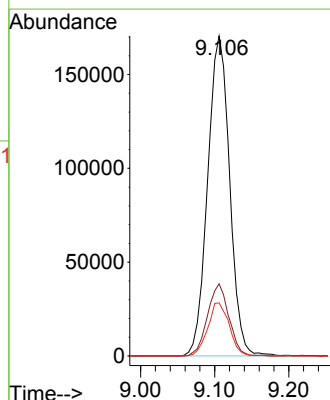
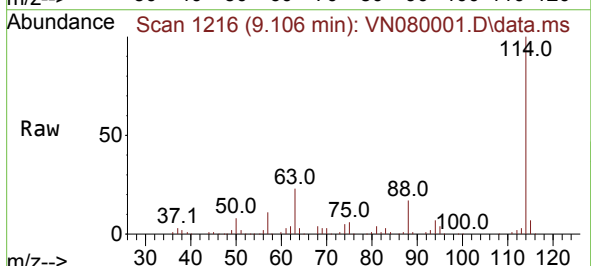
Tgt Ion: 114 Resp: 351793

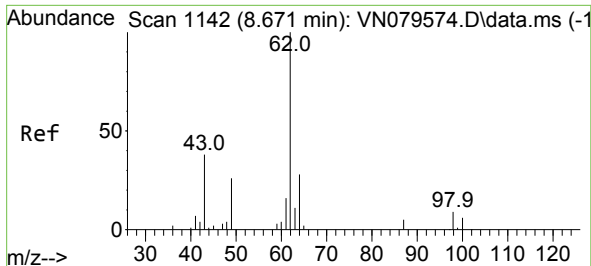
Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 16.2 12.2 18.2

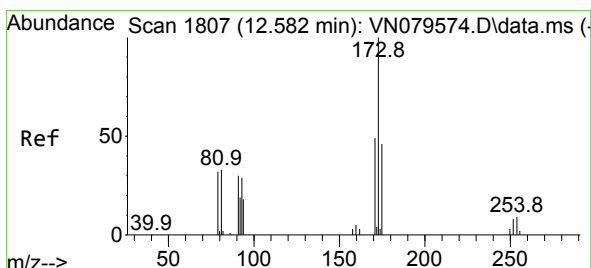
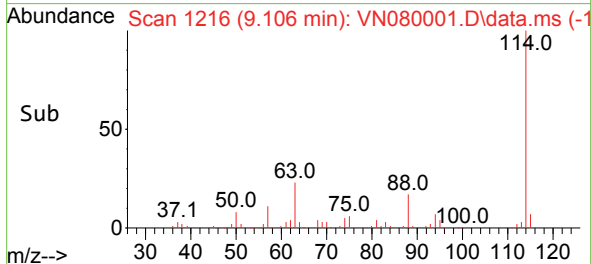
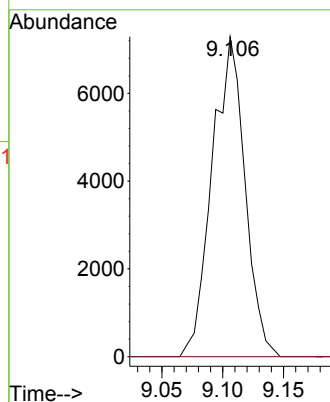
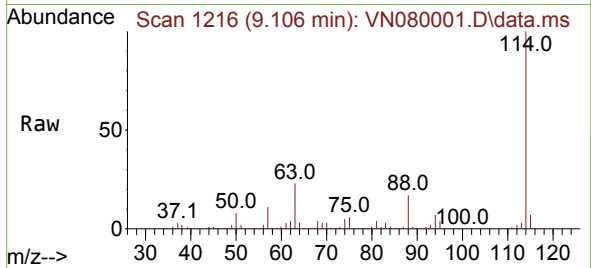




#36
1,2-Dichloroethane
Concen: 2.107 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

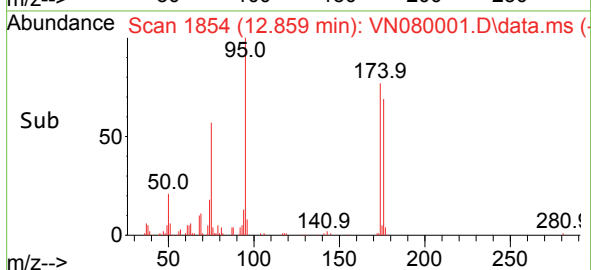
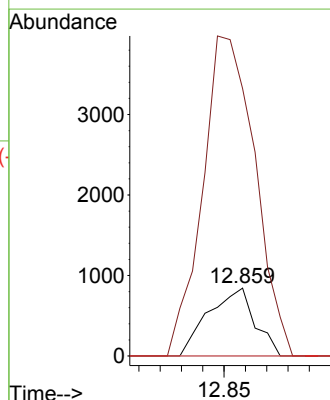
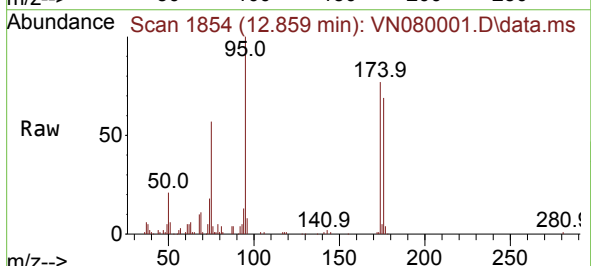
Instrument :
MSVOA_N
ClientSampleId :

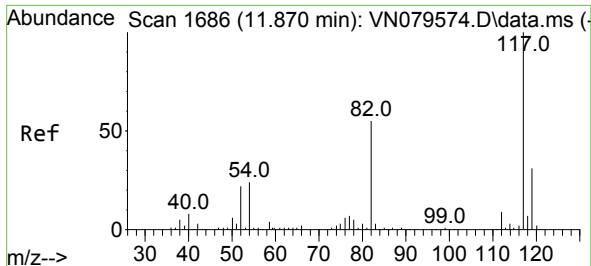
Tgt Ion: 62 Resp: 13678
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#56
Bromoform
Concen: 0.435 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Tgt Ion:173 Resp: 1277
Ion Ratio Lower Upper
173 100
175 532.7 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: VN080001.D

Acq: 08 Nov 2023 19:32

Instrument :

MSVOA_N

ClientSampleId :

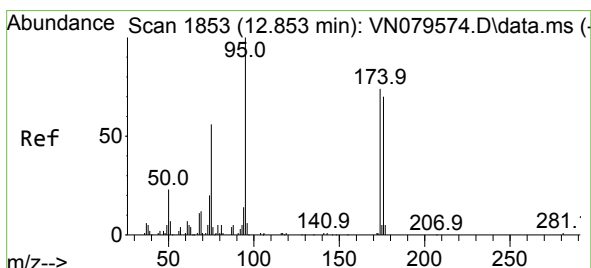
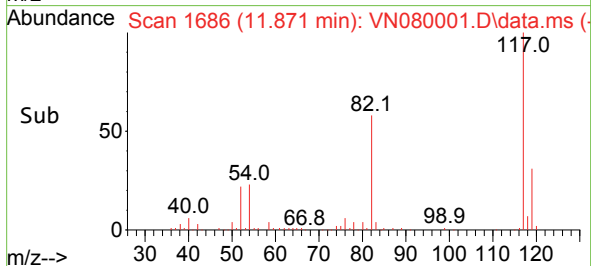
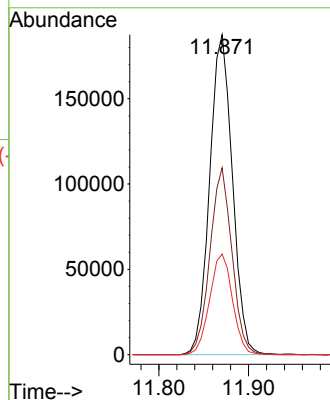
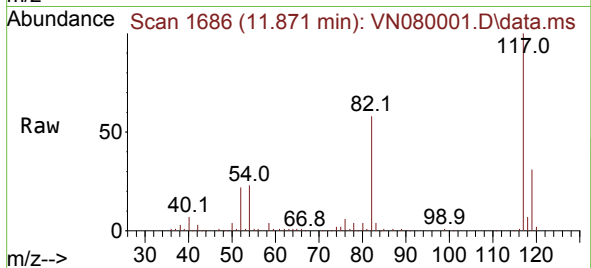
Tgt Ion:117 Resp: 330181

Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.2

119 31.6 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 23.886 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN080001.D

Acq: 08 Nov 2023 19:32

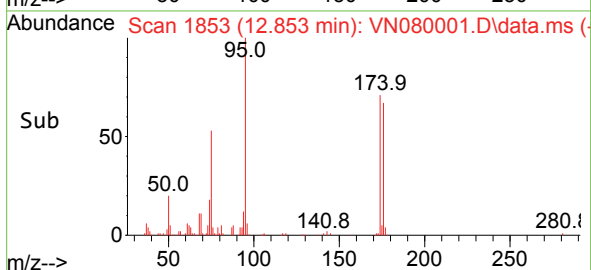
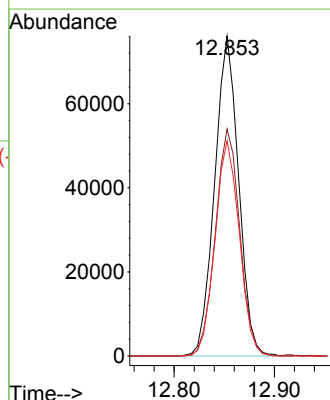
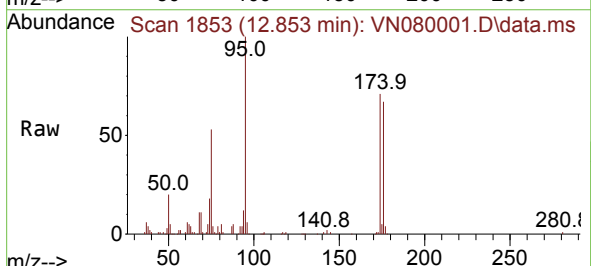
Tgt Ion: 95 Resp: 126122

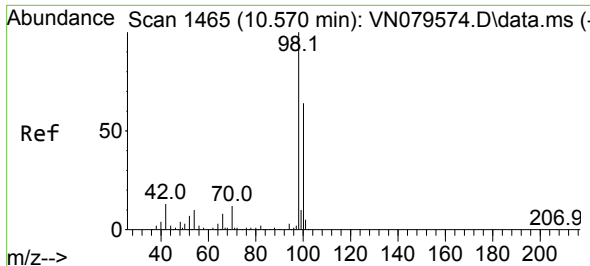
Ion Ratio Lower Upper

95 100

174 72.4 60.5 90.7

176 68.1 57.2 85.8

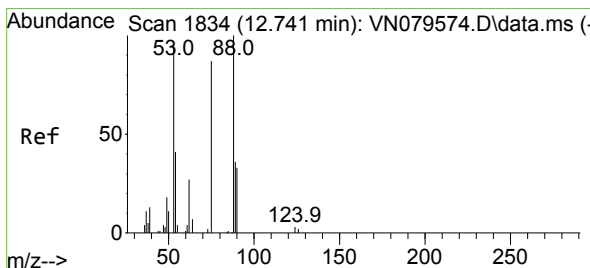
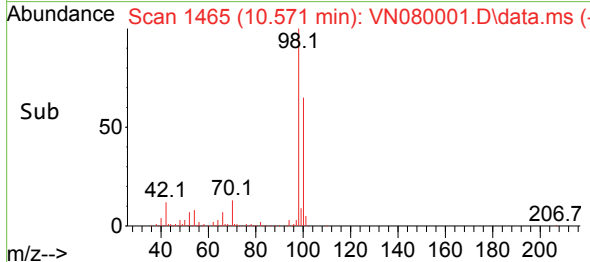
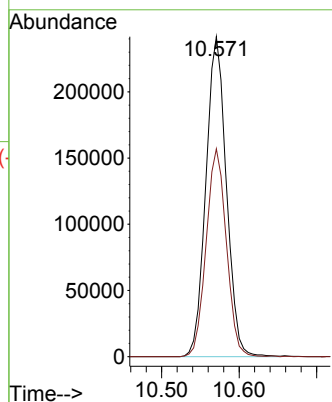
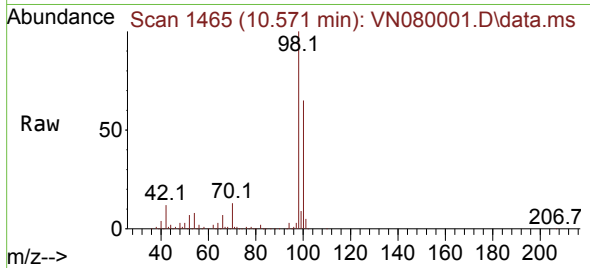




#63
Toluene-d8
Concen: 28.304 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 442808
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.292 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080001.D
Acq: 08 Nov 2023 19:32

Tgt Ion: 75 Resp: 69027
Ion Ratio Lower Upper
75 100
53 0.6 53.0 159.1#
89 0.0 22.6 67.7#

