

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080000.D
 Acq On : 08 Nov 2023 19:08
 Operator : JC\MD
 Sample : 05211-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:28:26 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)

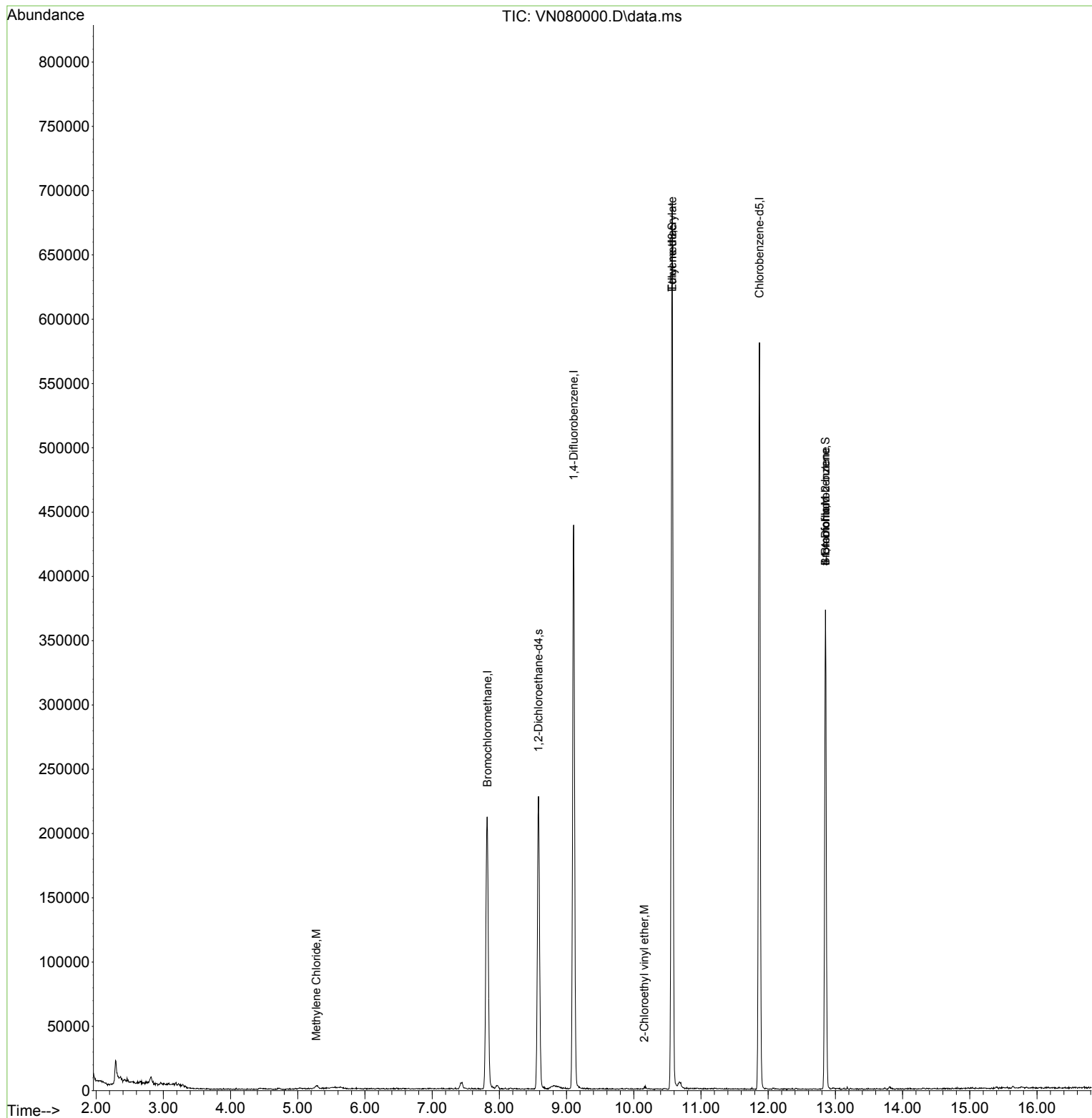
Internal Standards						
1) Bromochloromethane	7.824	128	74868	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	361548	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	329027	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	187713	29.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.567%
60) 4-Bromofluorobenzene	12.853	95	127046	24.146	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.500%
63) Toluene-d8	10.571	98	456796	29.301	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.667%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.277	84	1301	0.252	ug/l #	84
51) Ethyl methacrylate	10.571	69	1611	0.261	ug/l	87
55) 2-Chloroethyl vinyl ether	10.159	63	684	0.241	ug/l #	69
56) Bromoform	12.853	173	1213	0.402	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	67884	36.803	ug/l #	7

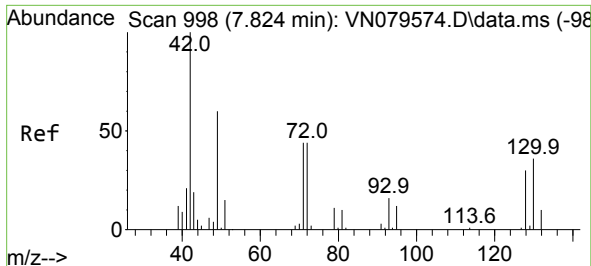
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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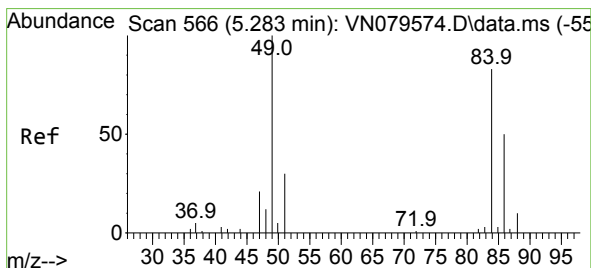
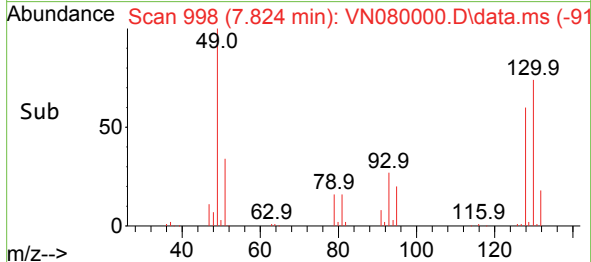
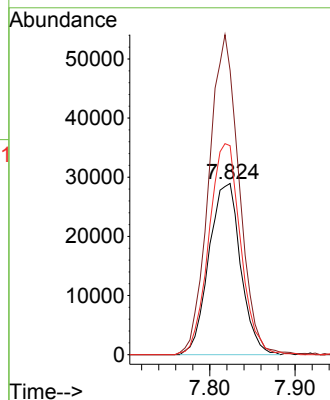
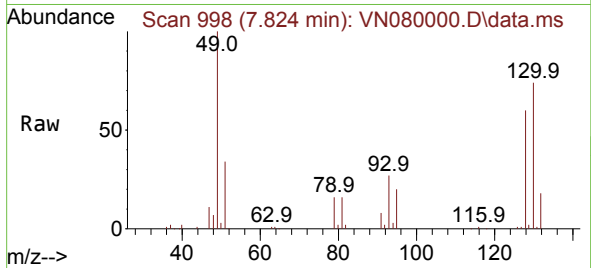




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

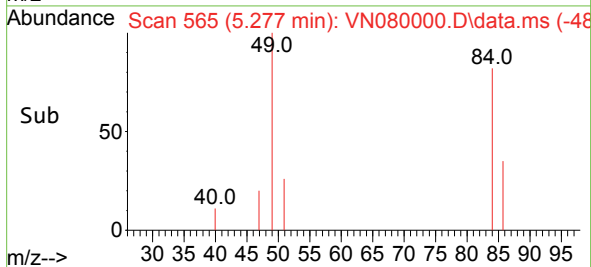
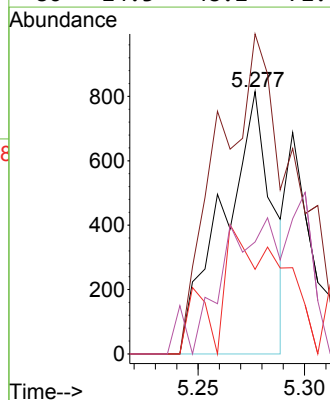
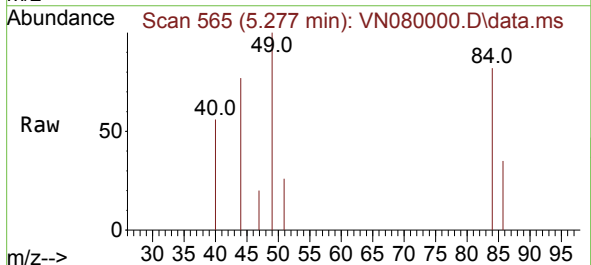
Instrument :
MSVOA_N
ClientSampleId :

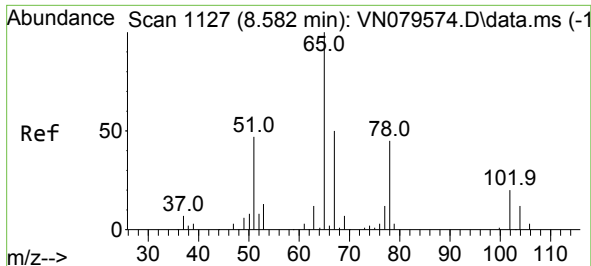
Tgt Ion:128 Resp: 74868
Ion Ratio Lower Upper
128 100
49 177.7 0.0 468.5
130 123.2 0.0 320.7



#18
Methylene Chloride
Concen: 0.252 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

Tgt Ion: 84 Resp: 1301
Ion Ratio Lower Upper
84 100
49 122.0 100.9 151.3
51 32.3 29.4 44.2
86 24.3 48.2 72.4#





#27

1,2-Dichloroethane-d4

Concen: 29.869 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080000.D

Acq: 08 Nov 2023 19:08

Instrument :

MSVOA_N

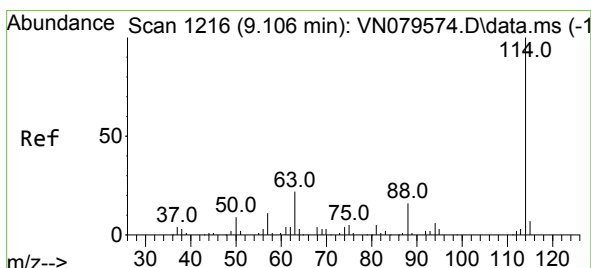
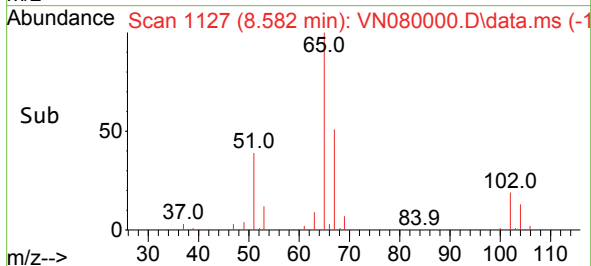
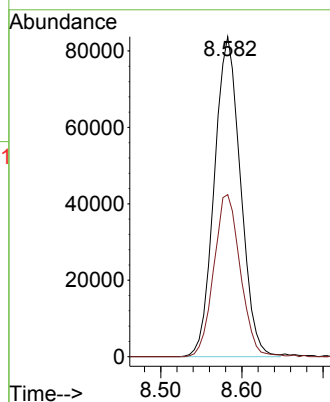
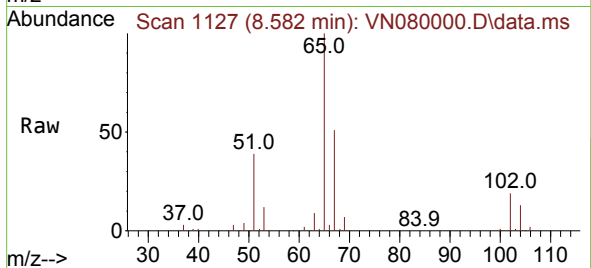
ClientSampleId :

Tgt Ion: 65 Resp: 187713

Ion Ratio Lower Upper

65 100

67 51.3 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: VN080000.D

Acq: 08 Nov 2023 19:08

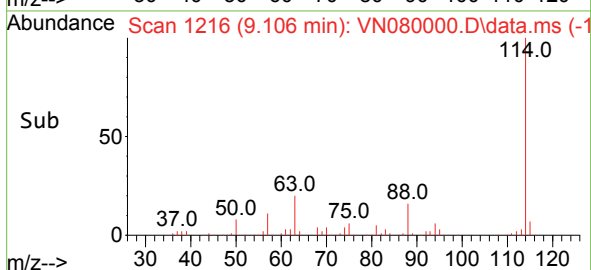
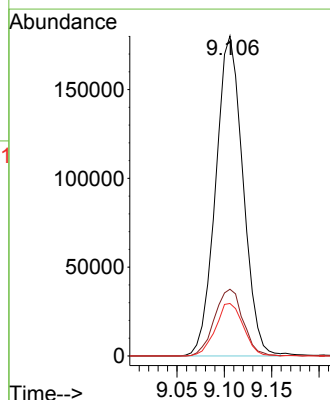
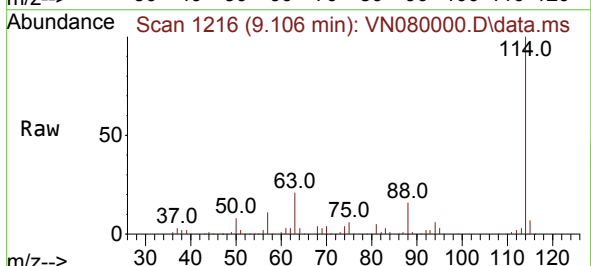
Tgt Ion: 114 Resp: 361548

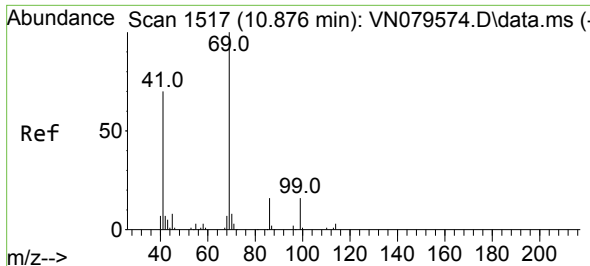
Ion Ratio Lower Upper

114 100

63 21.8 18.1 27.1

88 16.7 12.2 18.2

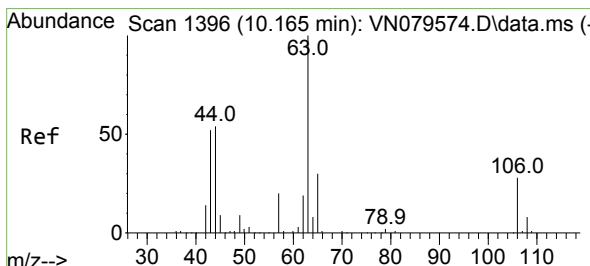
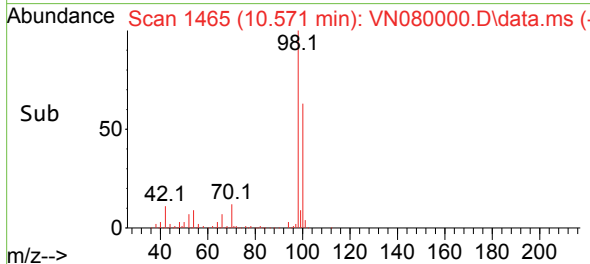
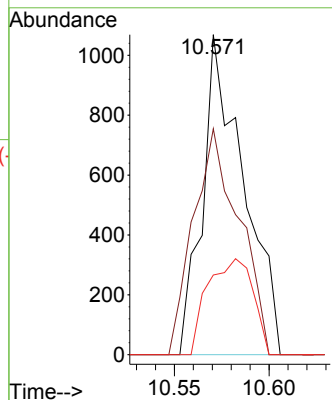
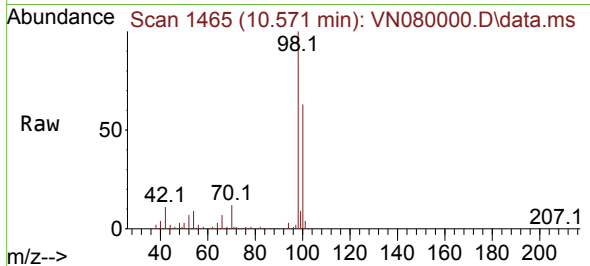




#51
Ethyl methacrylate
Concen: 0.261 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.305 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

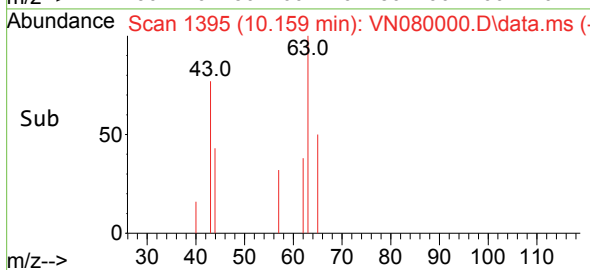
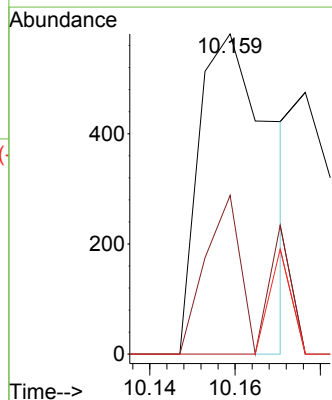
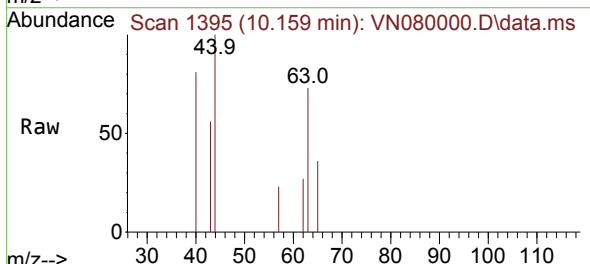
Instrument :
MSVOA_N
ClientSampleId :

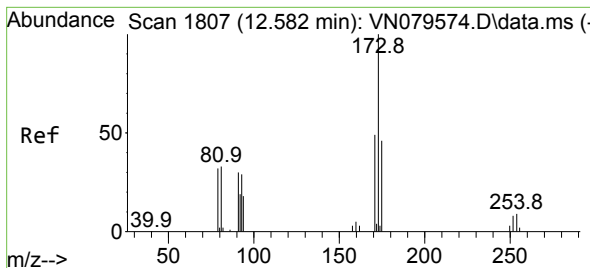
Tgt Ion: 69 Resp: 1611
Ion Ratio Lower Upper
69 100
41 70.6 33.8 101.3
39 24.9 21.3 63.9



#55
2-Chloroethyl vinyl ether
Concen: 0.241 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

Tgt Ion: 63 Resp: 684
Ion Ratio Lower Upper
63 100
65 23.8 25.9 38.9#
106 0.0 20.6 30.8#





#56

Bromoform

Concen: 0.402 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN080000.D

Acq: 08 Nov 2023 19:08

Instrument :

MSVOA_N

ClientSampleId :

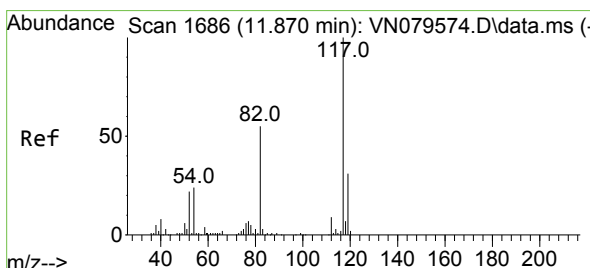
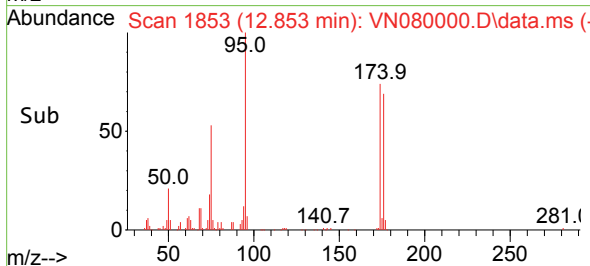
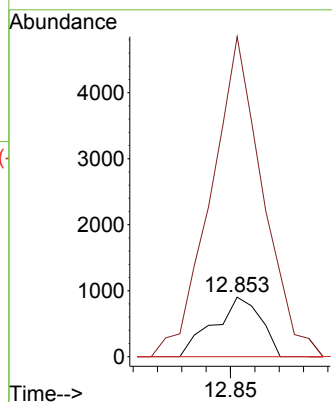
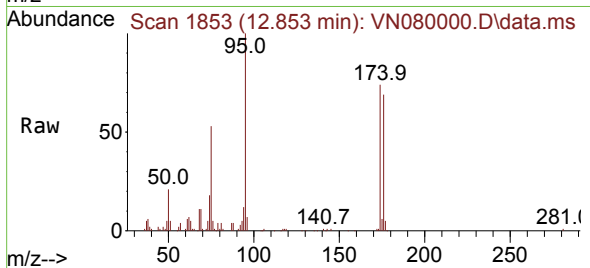
Tgt Ion:173 Resp: 1213

Ion Ratio Lower Upper

173 100

175 590.2 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN080000.D

Acq: 08 Nov 2023 19:08

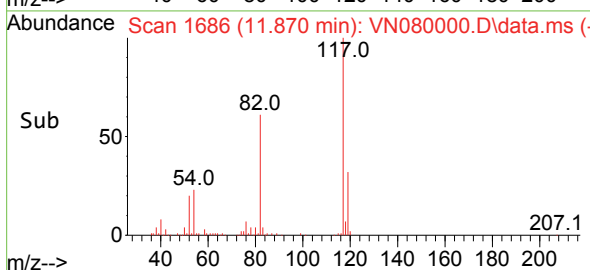
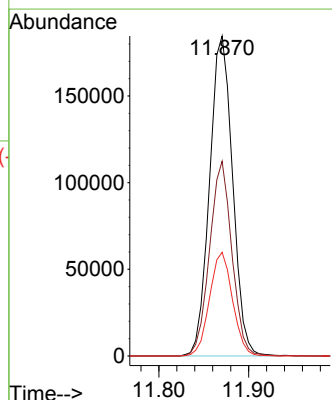
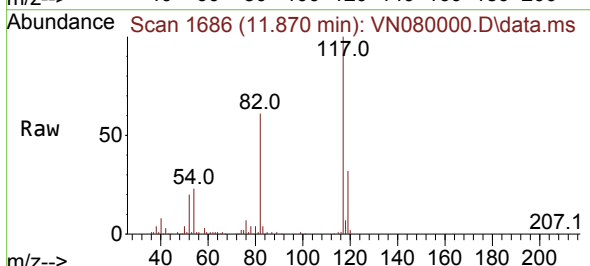
Tgt Ion:117 Resp: 329027

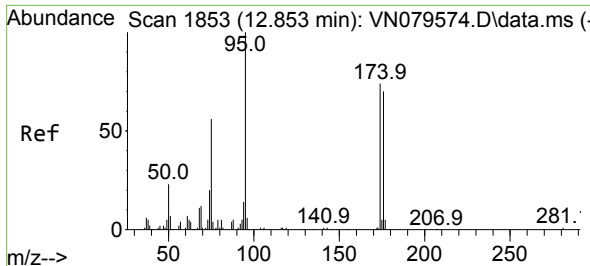
Ion Ratio Lower Upper

117 100

82 59.0 46.2 69.2

119 32.4 25.2 37.8

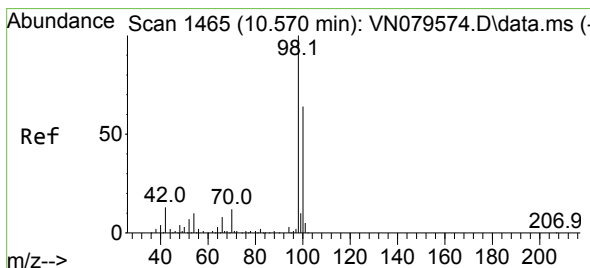
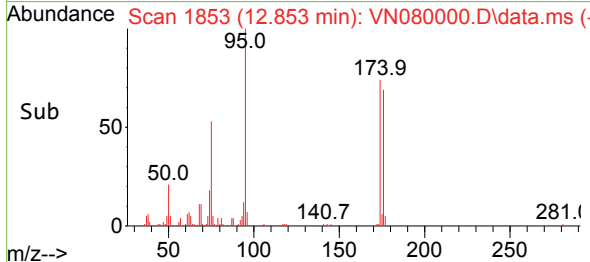
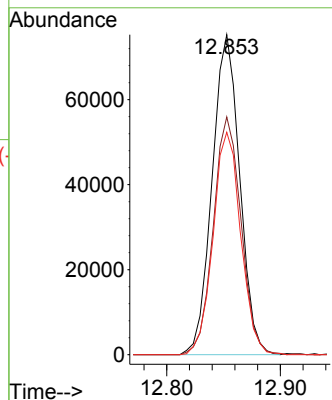
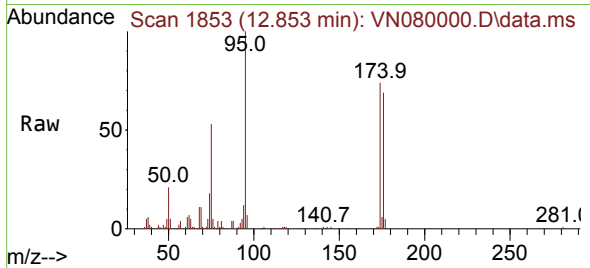




#60
4-Bromofluorobenzene
Concen: 24.146 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

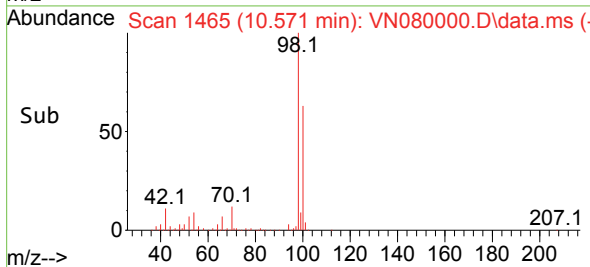
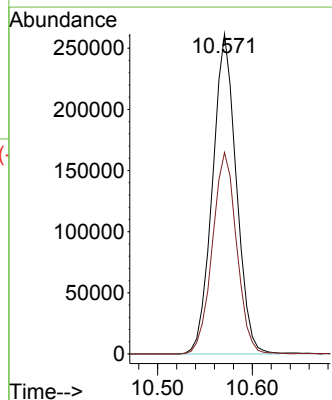
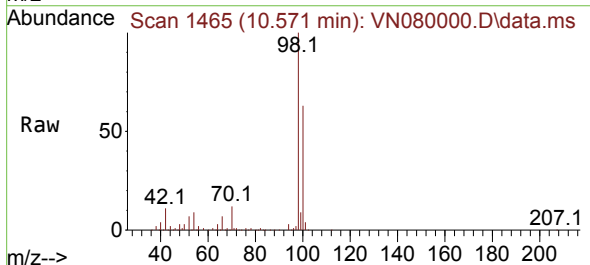
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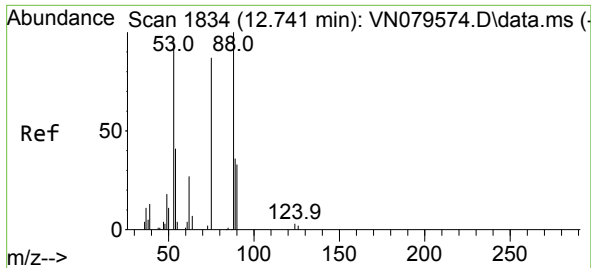
Tgt Ion: 95 Resp: 127046
Ion Ratio Lower Upper
95 100
174 74.7 60.5 90.7
176 69.7 57.2 85.8



#63
Toluene-d8
Concen: 29.301 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080000.D
Acq: 08 Nov 2023 19:08

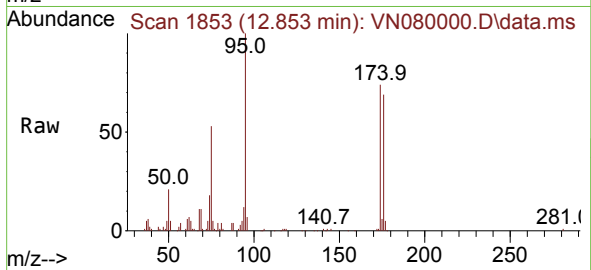
Tgt Ion: 98 Resp: 456796
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.803 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080000.D
 Acq: 08 Nov 2023 19:08

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 67884
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

