

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080003.D
 Acq On : 08 Nov 2023 20:20
 Operator : JC\MD
 Sample : 05211-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:29:17 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)

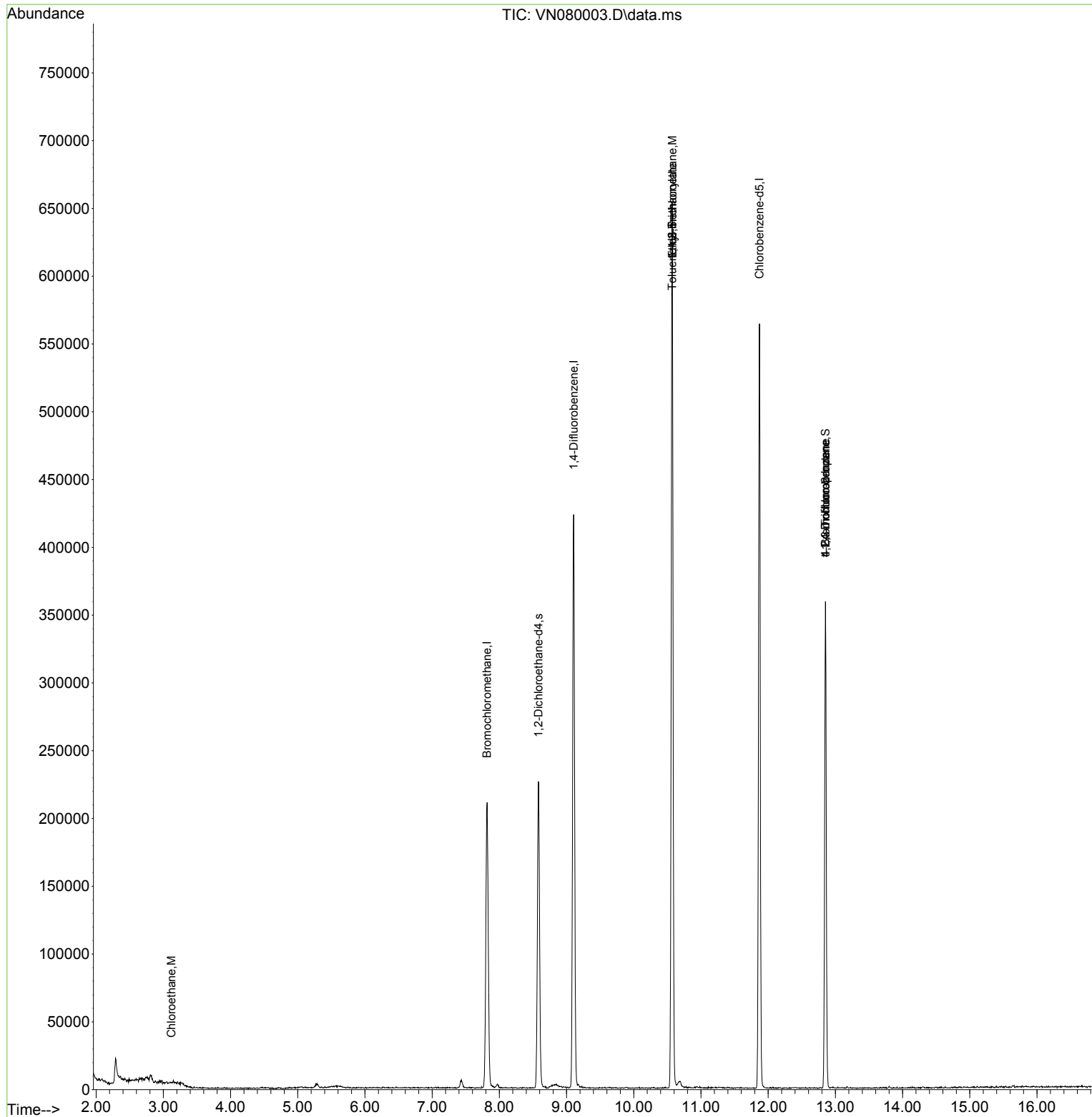
Internal Standards						
1) Bromochloromethane	7.818	128	71988	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	347829	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	320698	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	186216	30.816	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.733%
60) 4-Bromofluorobenzene	12.853	95	122242	23.836	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.467%
63) Toluene-d8	10.570	98	439157	28.901	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.333%
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	695	0.242	ug/l #	46
50) 1,1,2-Trichloroethane	10.576	97	14870	3.593	ug/l #	1
51) Ethyl methacrylate	10.576	69	1682	0.283	ug/l #	76
72) 1,2,3-Trichloropropane	12.853	75	65070	11.851	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	65070	36.194	ug/l #	8

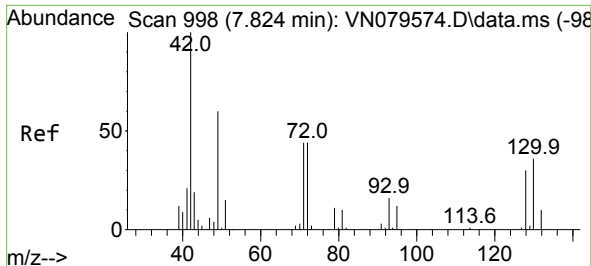
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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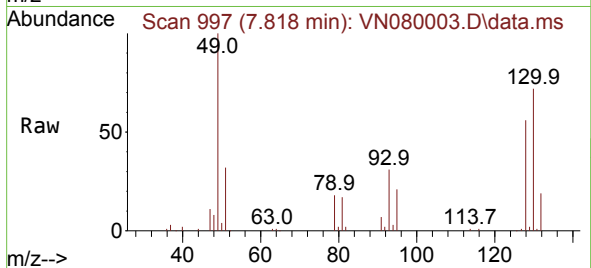
Quant Time: Nov 09 04:29:17 2023
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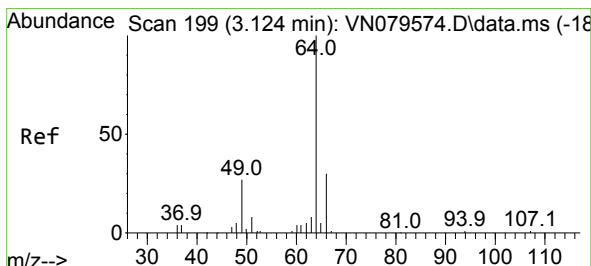
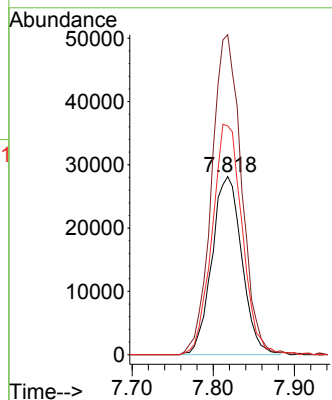
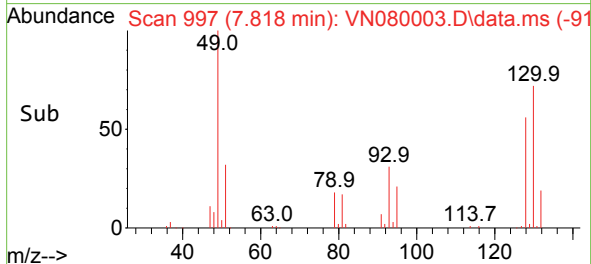


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN080003.D
Acq: 08 Nov 2023 20:20

Instrument :
MSVOA_N
ClientSampleId :

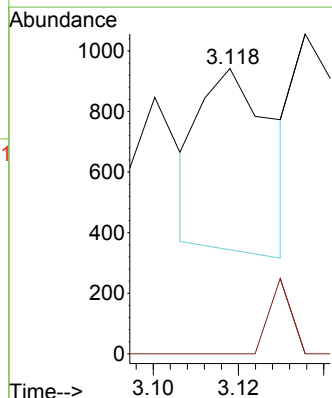
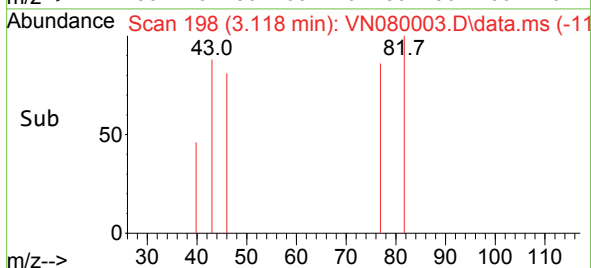
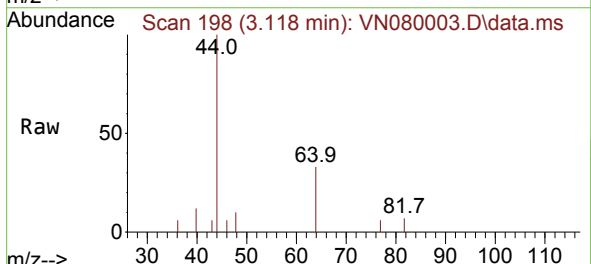


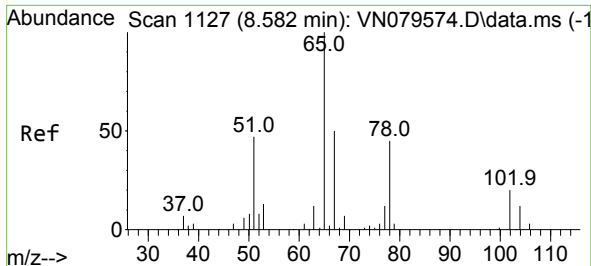
Tgt Ion:128 Resp: 71988
Ion Ratio Lower Upper
128 100
49 178.5 0.0 468.5
130 130.3 0.0 320.7



#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080003.D
Acq: 08 Nov 2023 20:20

Tgt Ion: 64 Resp: 695
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#27

1,2-Dichloroethane-d4

Concen: 30.816 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080003.D

Acq: 08 Nov 2023 20:20

Instrument :

MSVOA_N

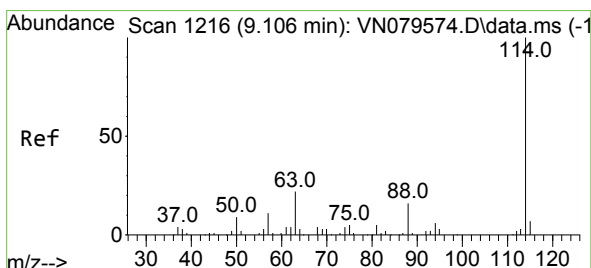
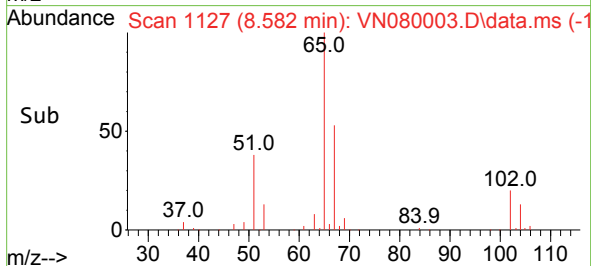
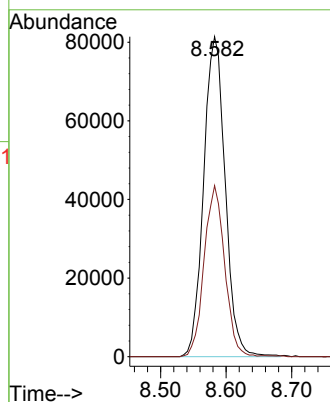
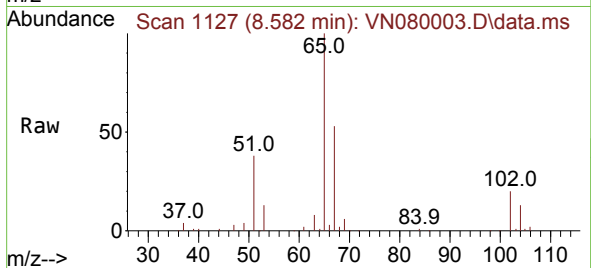
ClientSampleId :

Tgt Ion: 65 Resp: 186216

Ion Ratio Lower Upper

65 100

67 51.0 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: VN080003.D

Acq: 08 Nov 2023 20:20

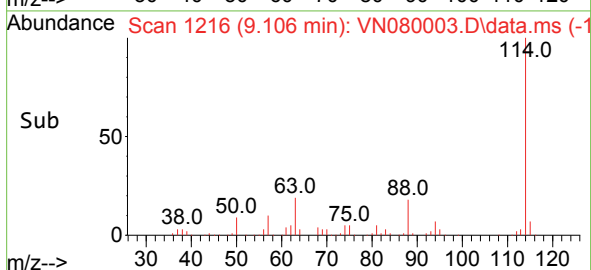
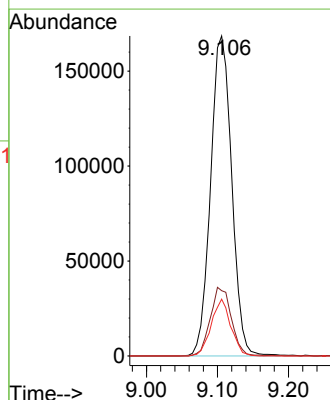
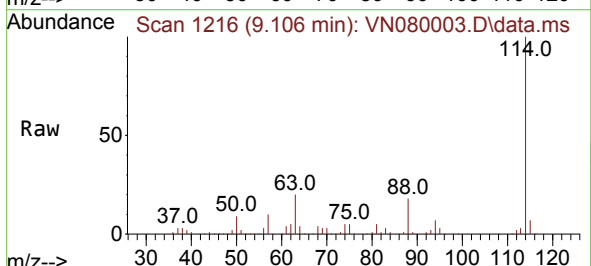
Tgt Ion: 114 Resp: 347829

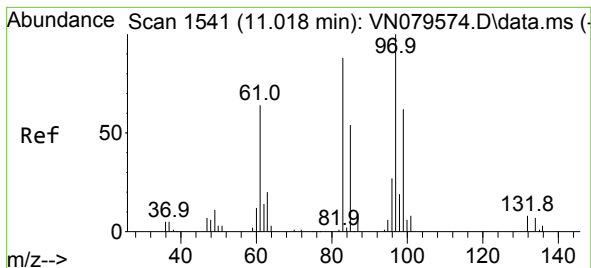
Ion Ratio Lower Upper

114 100

63 21.4 18.1 27.1

88 16.5 12.2 18.2





#50

1,1,2-Trichloroethane

Concen: 3.593 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.442 min

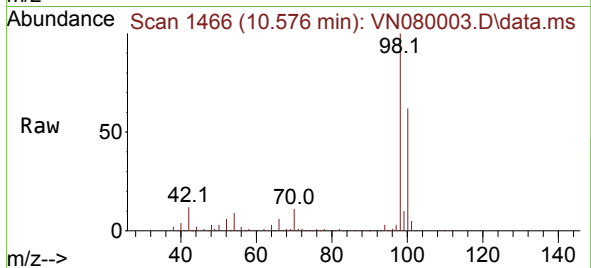
Lab File: VN080003.D

Acq: 08 Nov 2023 20:20

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 14870

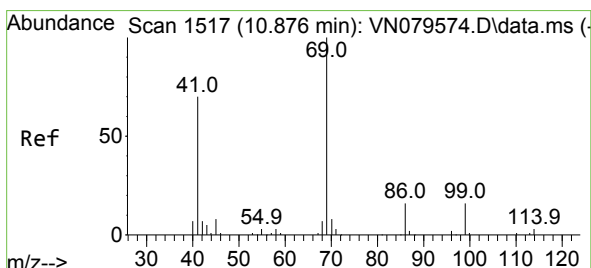
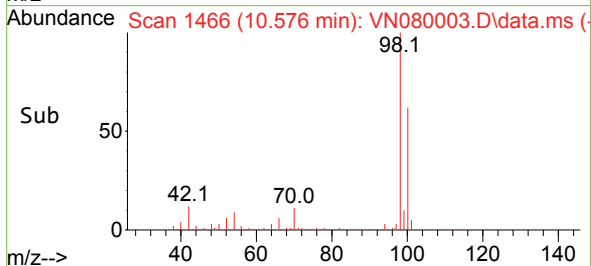
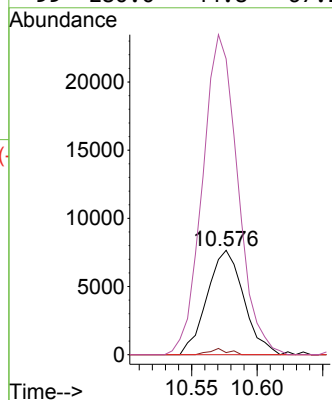
Ion Ratio Lower Upper

97 100

83 2.0 68.2 102.4#

85 0.0 42.9 64.3#

99 280.0 44.8 67.2#



#51

Ethyl methacrylate

Concen: 0.283 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN080003.D

Acq: 08 Nov 2023 20:20

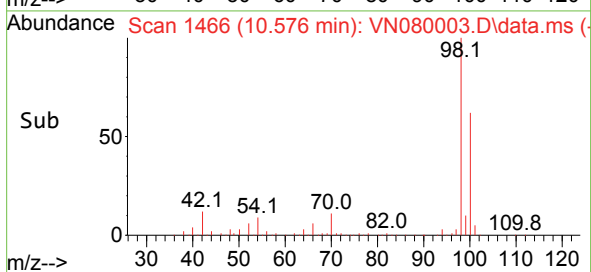
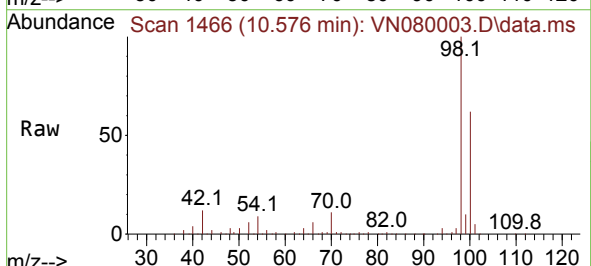
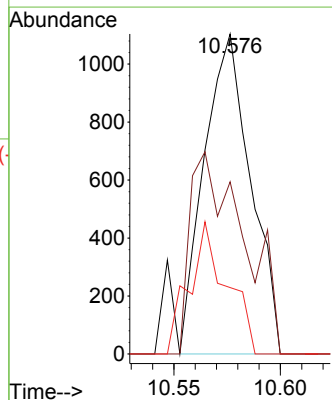
Tgt Ion: 69 Resp: 1682

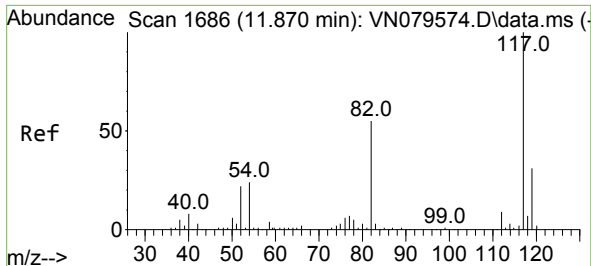
Ion Ratio Lower Upper

69 100

41 53.8 33.8 101.3

39 20.7 21.3 63.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 117

Delta R.T. 0.000 min

Lab File: VN080003.D

Acq: 08 Nov 2023 20:20

Instrument :

MSVOA_N

ClientSampleId :

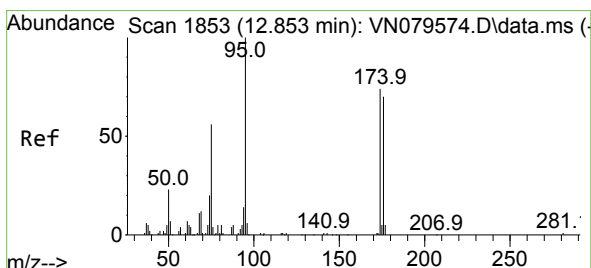
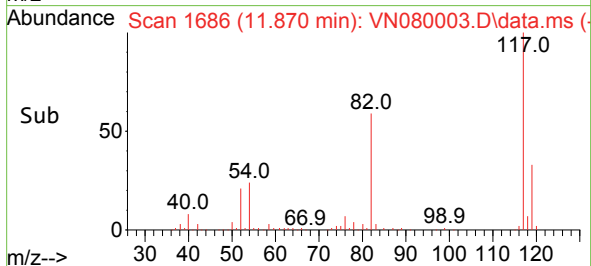
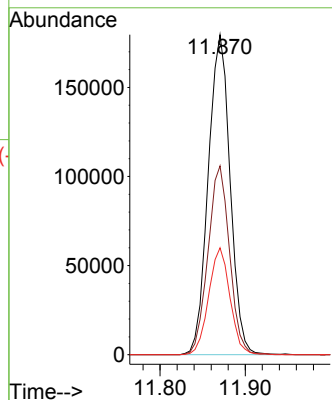
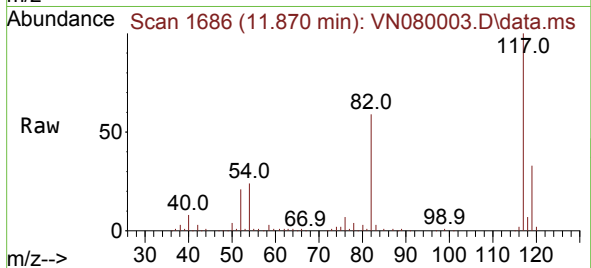
Tgt Ion:117 Resp: 320698

Ion Ratio Lower Upper

117 100

82 58.1 46.2 69.2

119 32.5 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 23.836 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN080003.D

Acq: 08 Nov 2023 20:20

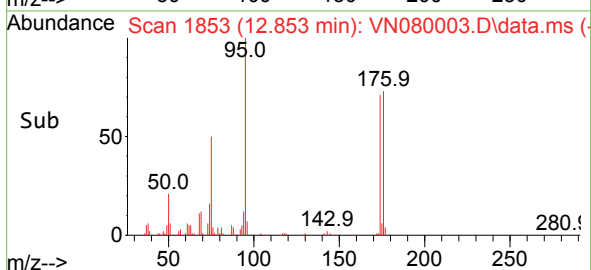
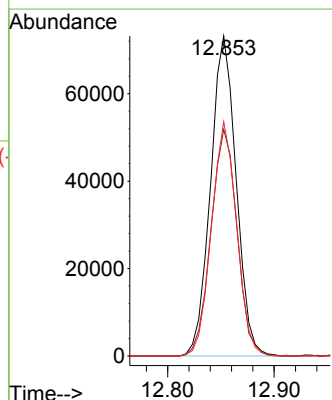
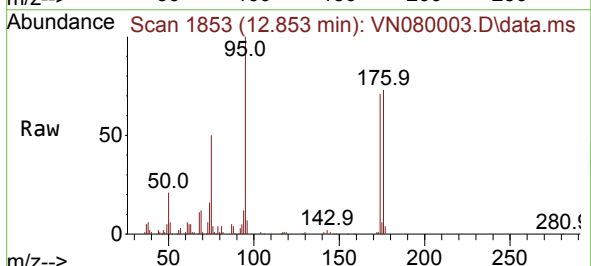
Tgt Ion: 95 Resp: 122242

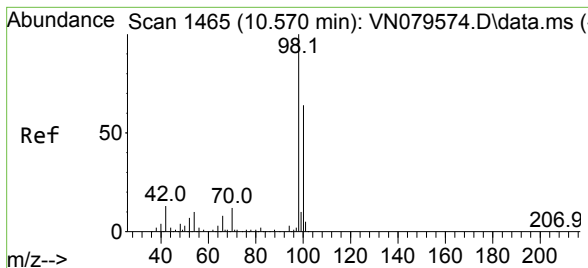
Ion Ratio Lower Upper

95 100

174 71.9 60.5 90.7

176 71.7 57.2 85.8

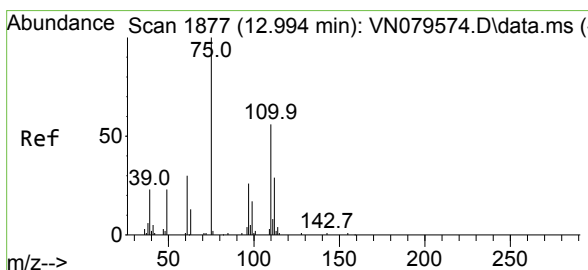
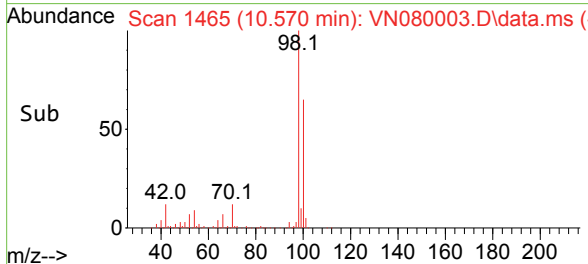
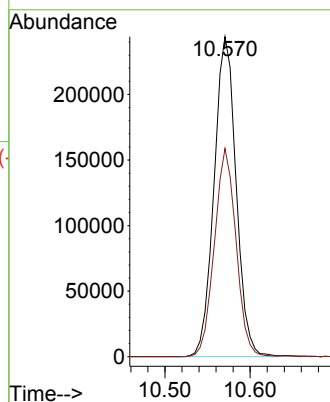
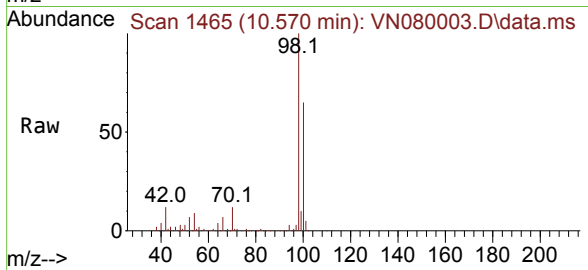




#63
Toluene-d8
Concen: 28.901 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080003.D
Acq: 08 Nov 2023 20:20

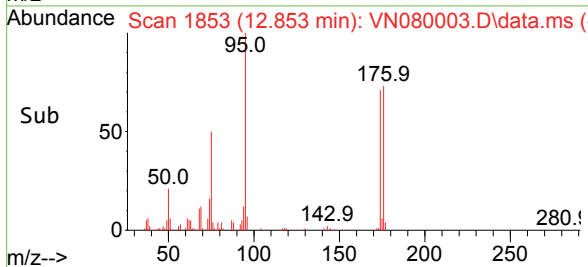
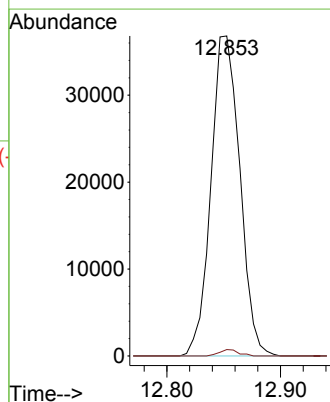
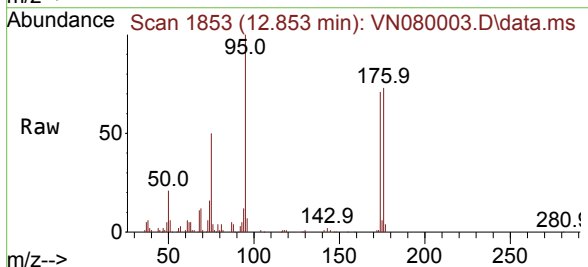
Instrument :
MSVOA_N
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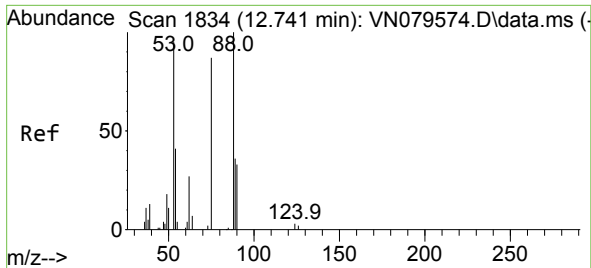
Tgt Ion: 98 Resp: 439157
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 11.851 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080003.D
Acq: 08 Nov 2023 20:20

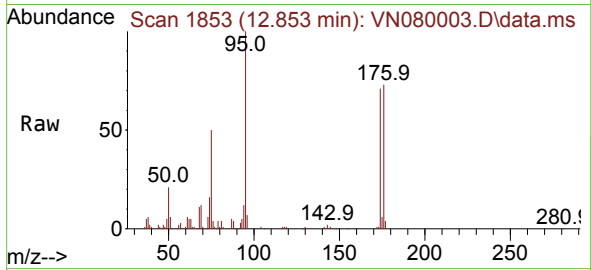
Tgt Ion: 75 Resp: 65070
Ion Ratio Lower Upper
75 100
77 1.3 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.194 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN080003.D
 Acq: 08 Nov 2023 20:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	65070
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.0	159.1#
89	0.5	22.6	67.7#

