

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080005.D
 Acq On : 08 Nov 2023 21:08
 Operator : JC\MD
 Sample : 05231-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:29:53 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)

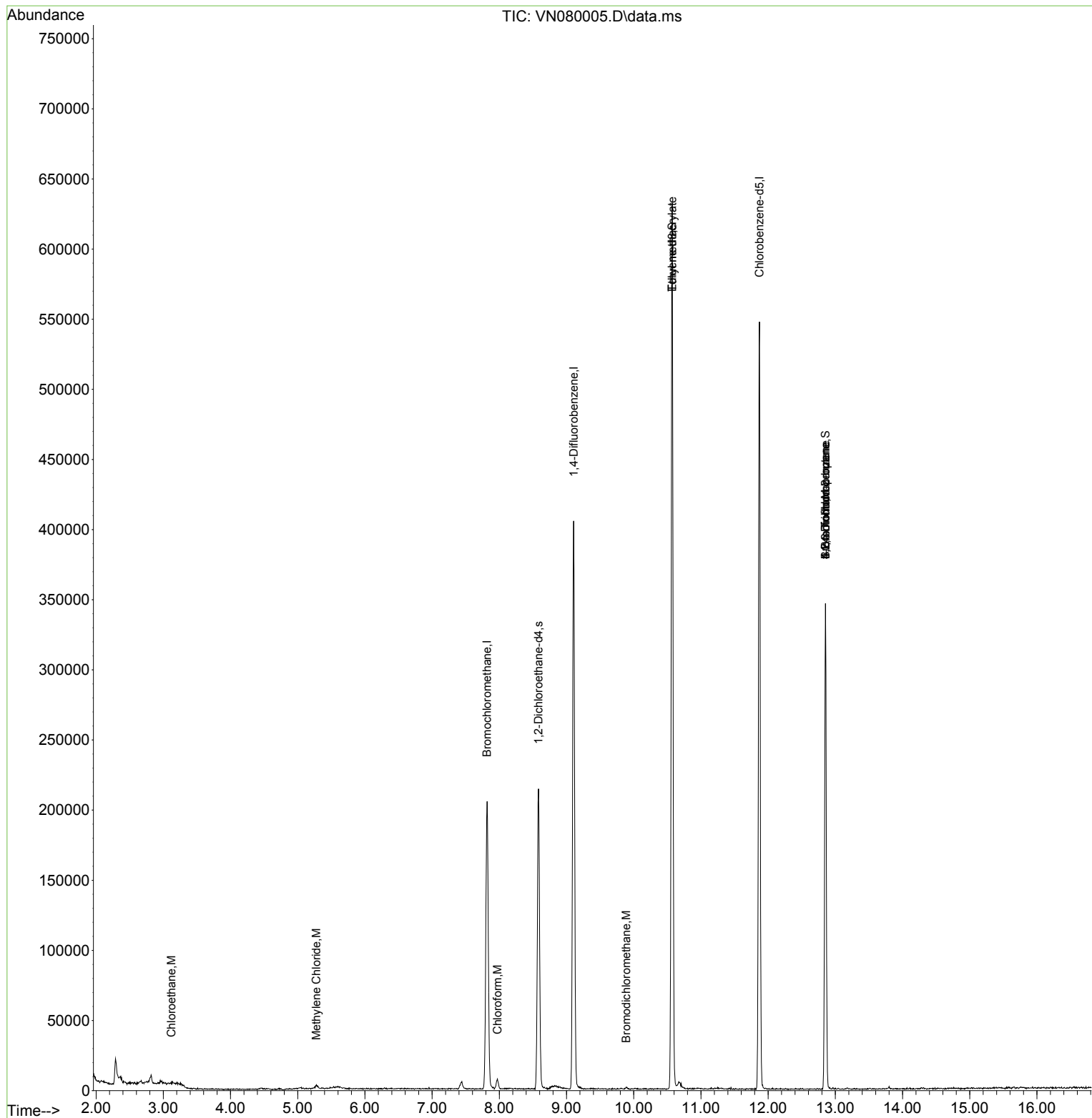
Internal Standards						
1) Bromochloromethane	7.818	128	71904	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	334341	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	313666	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	178332	29.546	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.500%		
60) 4-Bromofluorobenzene	12.853	95	121085	24.140	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	80.467%		
63) Toluene-d8	10.571	98	426174	28.675	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.600%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	817	0.285	ug/l #	46
18) Methylene Chloride	5.277	84	1405	0.283	ug/l	88
25) Chloroform	7.971	83	6478	0.695	ug/l #	72
41) Bromodichloromethane	9.888	83	1261	0.209	ug/l #	75
51) Ethyl methacrylate	10.571	69	1307	0.229	ug/l #	58
56) Bromoform	12.853	173	1161	0.416	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	63070	11.745	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	63070	35.868	ug/l #	7

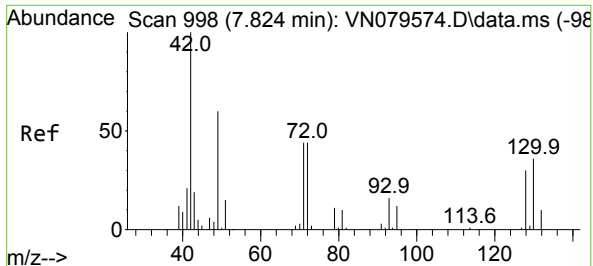
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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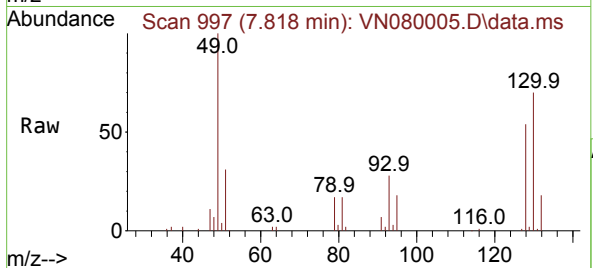
Quant Time: Nov 09 04:29:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



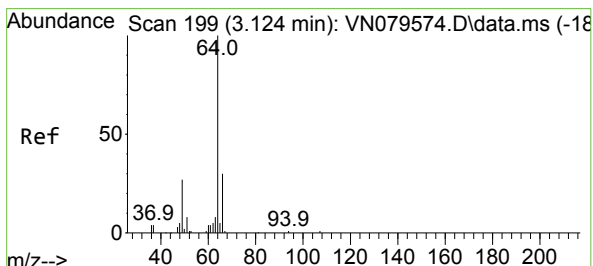
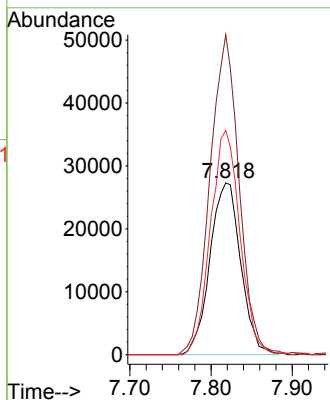
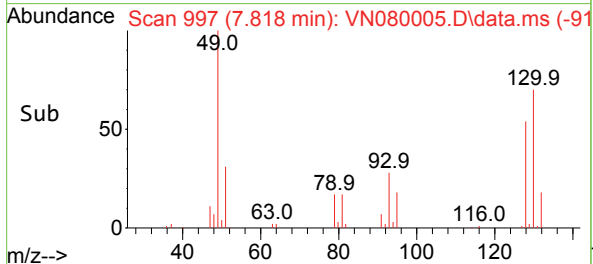


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :

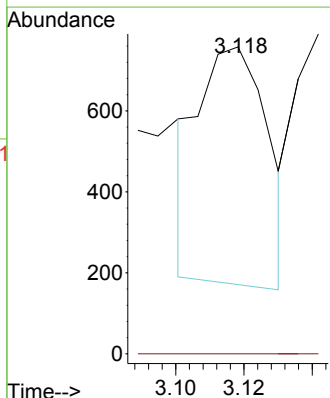
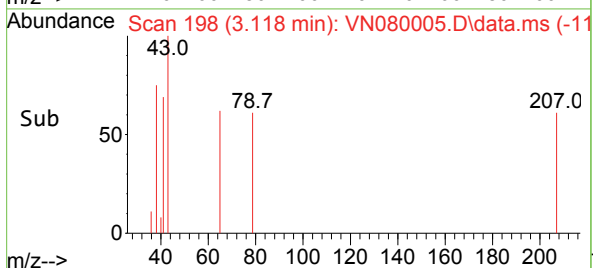
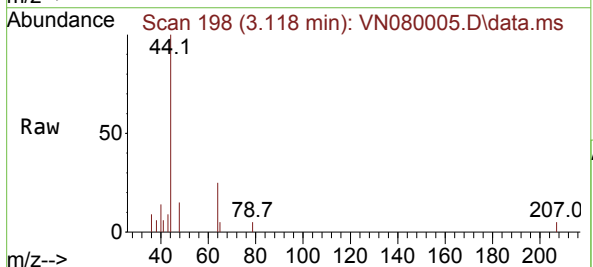


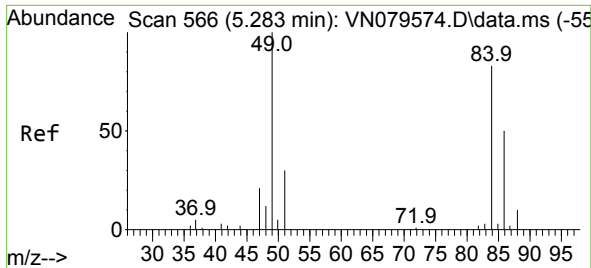
Tgt Ion:128 Resp: 71904
Ion Ratio Lower Upper
128 100
49 175.8 0.0 468.5
130 124.9 0.0 320.7



#6
Chloroethane
Concen: 0.285 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Tgt Ion: 64 Resp: 817
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#18

Methylene Chloride

Concen: 0.283 ug/l

RT: 5.277 min Scan# 5

Delta R.T. -0.006 min

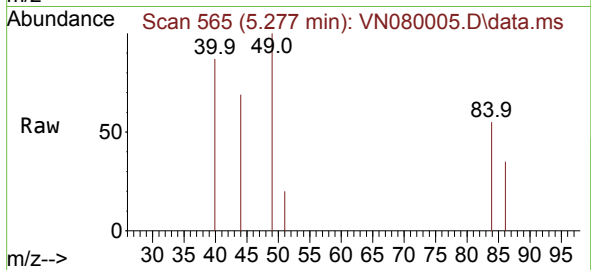
Lab File: VN080005.D

Acq: 08 Nov 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1405

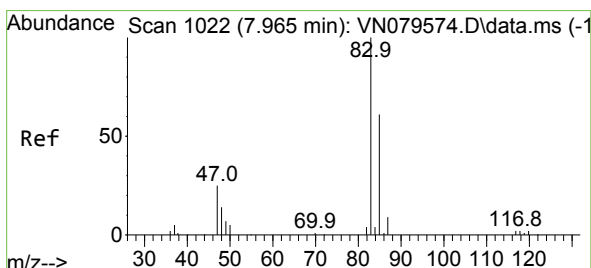
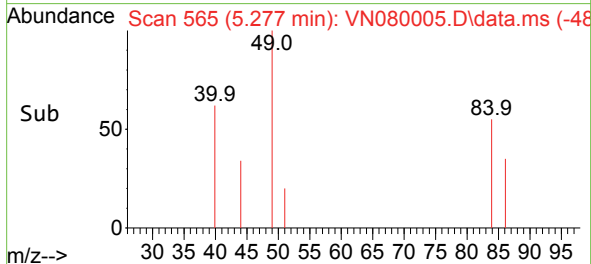
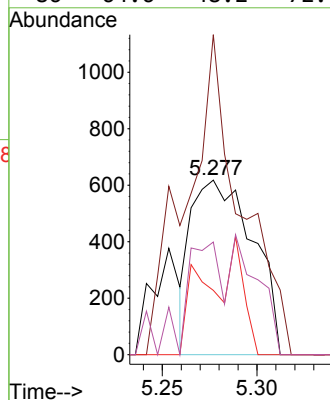
Ion Ratio Lower Upper

84 100

49 146.3 100.9 151.3

51 36.9 29.4 44.2

86 64.6 48.2 72.4



#25

Chloroform

Concen: 0.695 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN080005.D

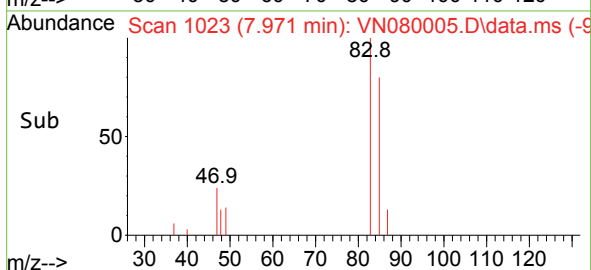
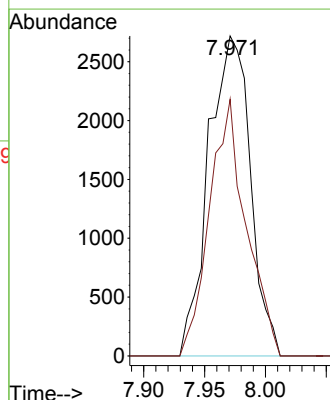
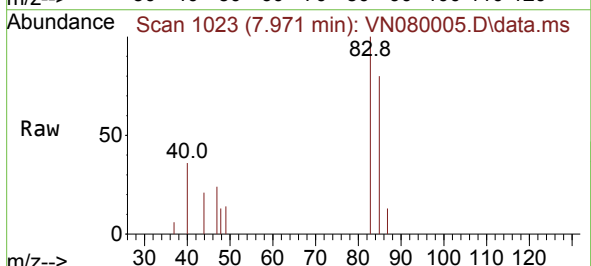
Acq: 08 Nov 2023 21:08

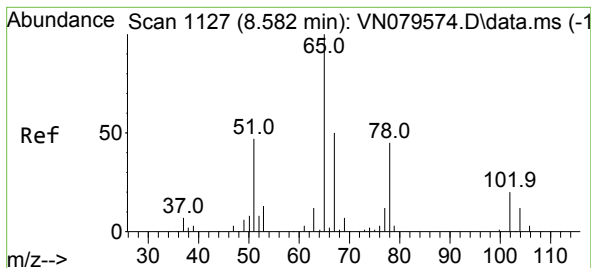
Tgt Ion: 83 Resp: 6478

Ion Ratio Lower Upper

83 100

85 80.2 47.4 71.2#





#27

1,2-Dichloroethane-d4

Concen: 29.546 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN080005.D

Acq: 08 Nov 2023 21:08

Instrument :

MSVOA_N

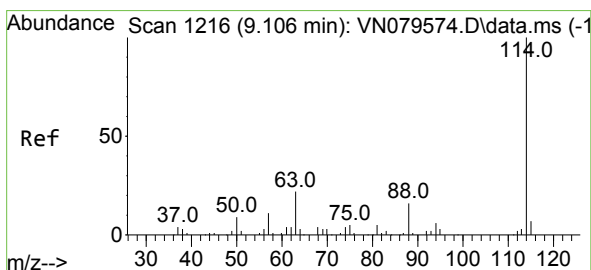
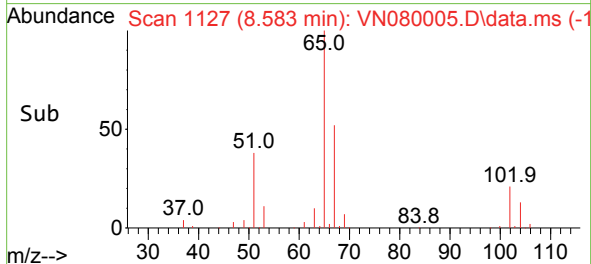
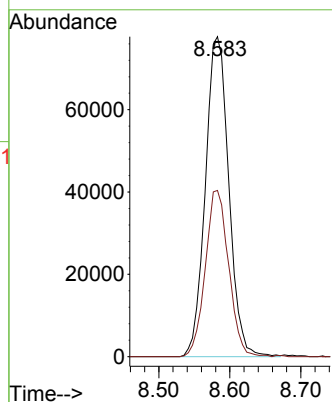
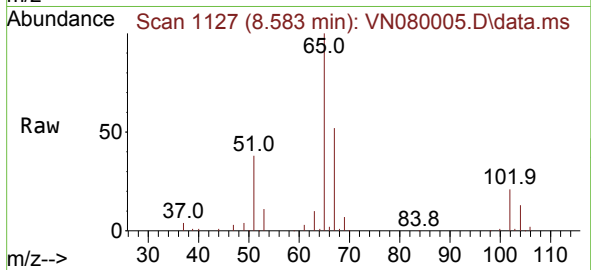
ClientSampleId :

Tgt Ion: 65 Resp: 178332

Ion Ratio Lower Upper

65 100

67 51.7 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: VN080005.D

Acq: 08 Nov 2023 21:08

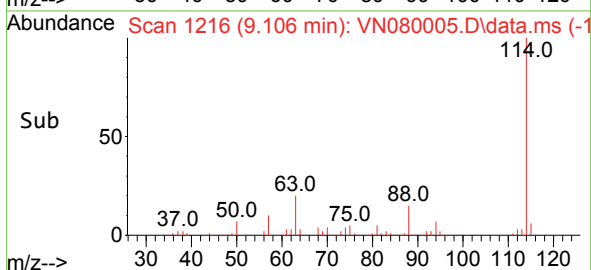
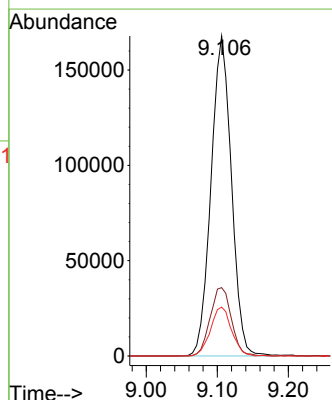
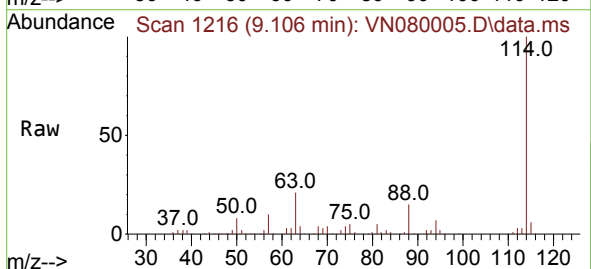
Tgt Ion: 114 Resp: 334341

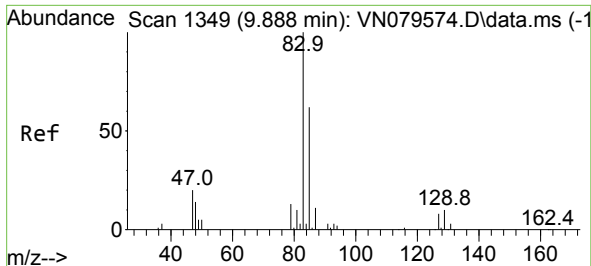
Ion Ratio Lower Upper

114 100

63 22.1 18.1 27.1

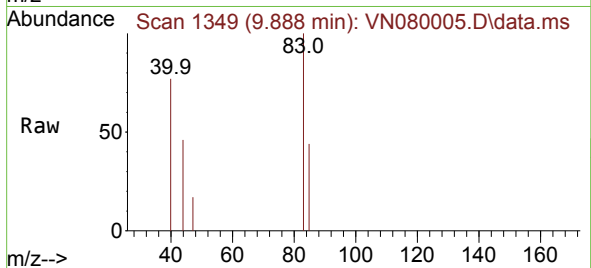
88 15.8 12.2 18.2



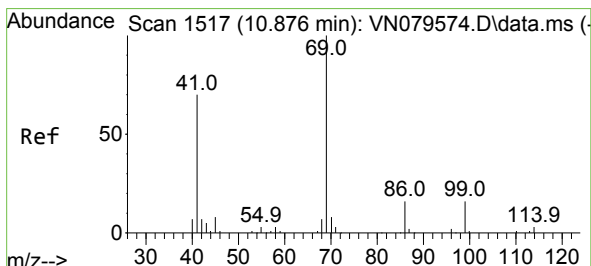
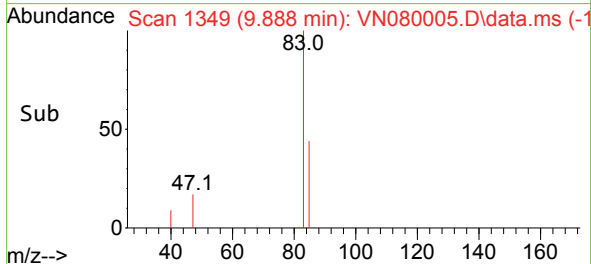
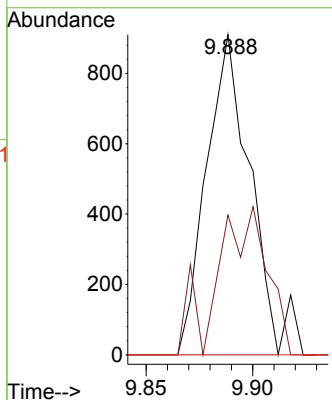


#41
Bromodichloromethane
Concen: 0.209 ug/l
RT: 9.888 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :

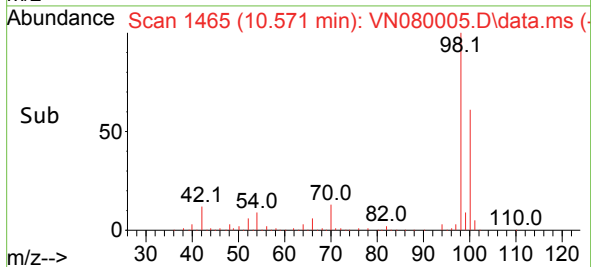
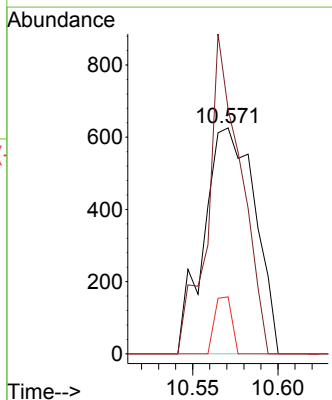
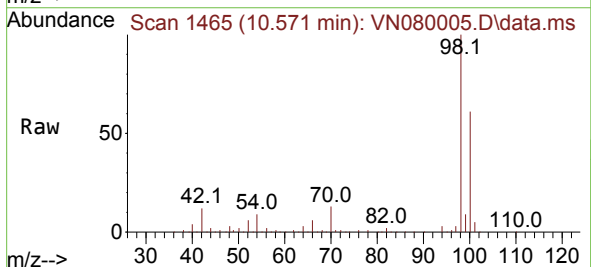


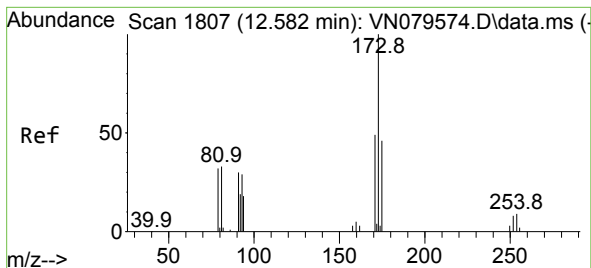
Tgt Ion: 83 Resp: 1261
Ion Ratio Lower Upper
83 100
85 43.6 50.3 75.5#
127 0.0 6.8 10.2#



#51
Ethyl methacrylate
Concen: 0.229 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.305 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Tgt Ion: 69 Resp: 1307
Ion Ratio Lower Upper
69 100
41 108.1 33.8 101.3#
39 25.2 21.3 63.9





#56

Bromoform

Concen: 0.416 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

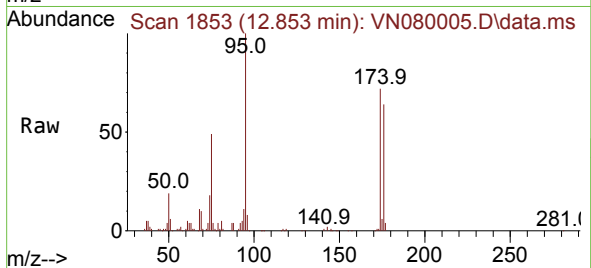
Lab File: VN080005.D

Acq: 08 Nov 2023 21:08

Instrument :

MSVOA_N

ClientSampleId :



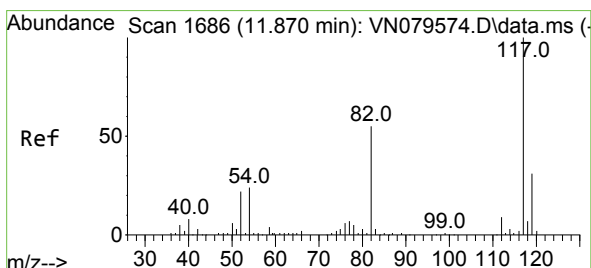
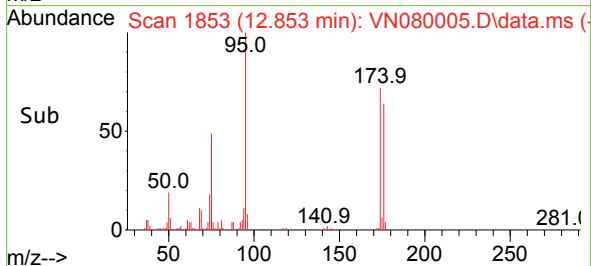
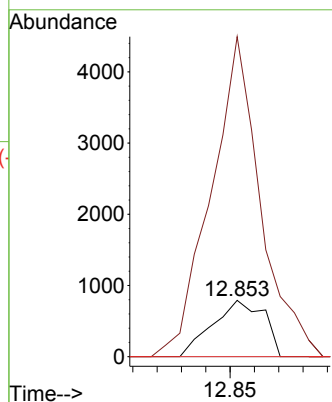
Tgt Ion:173 Resp: 1161

Ion Ratio Lower Upper

173 100

175 548.5 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.001 min

Lab File: VN080005.D

Acq: 08 Nov 2023 21:08

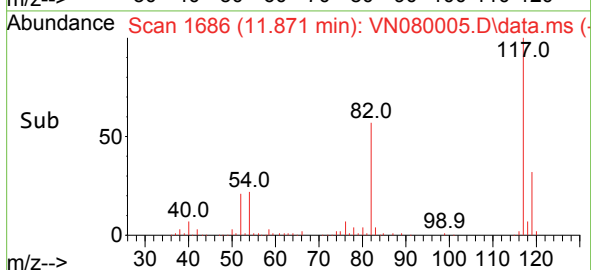
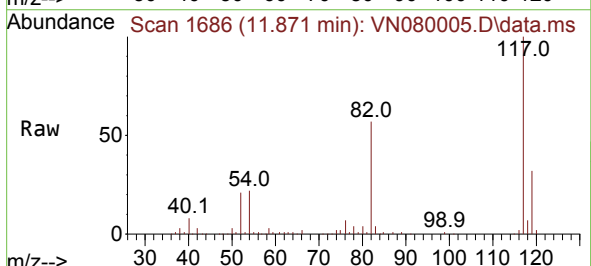
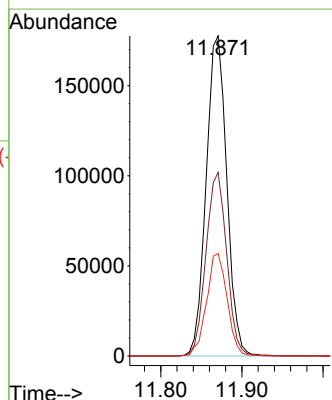
Tgt Ion:117 Resp: 313666

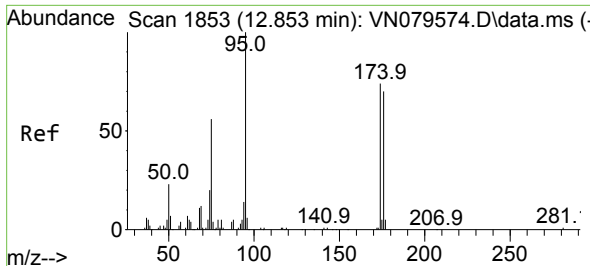
Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

119 31.9 25.2 37.8

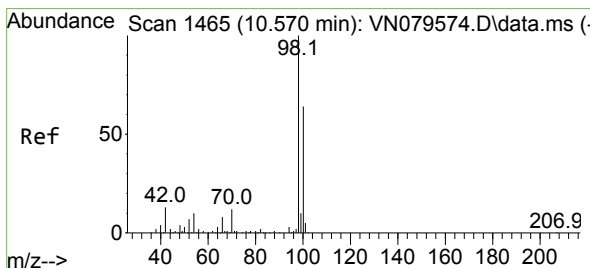
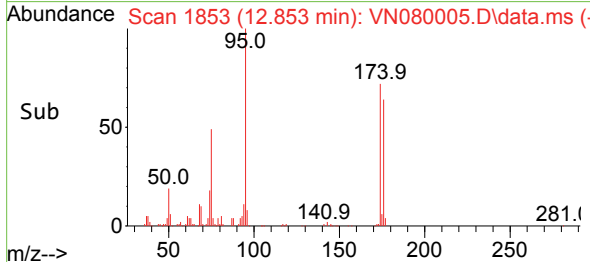
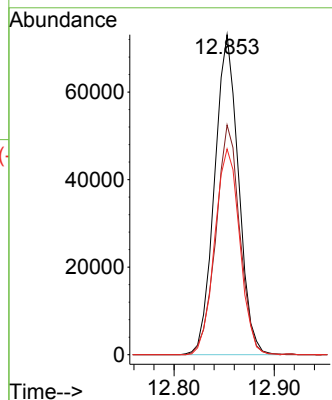
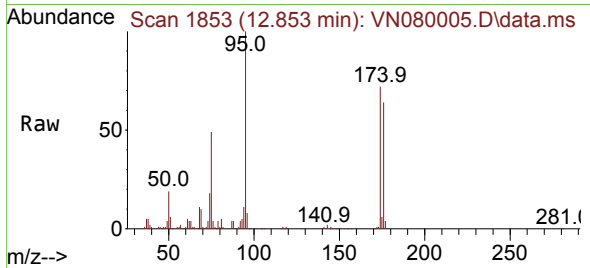




#60
4-Bromofluorobenzene
Concen: 24.140 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

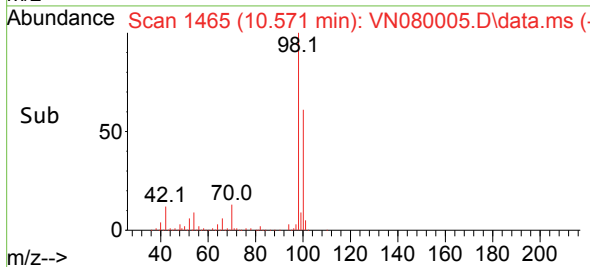
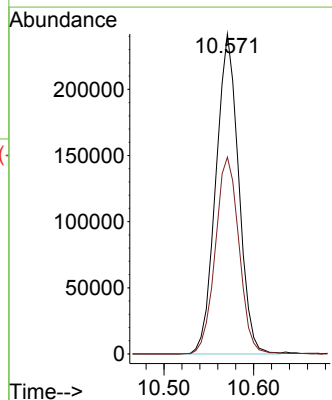
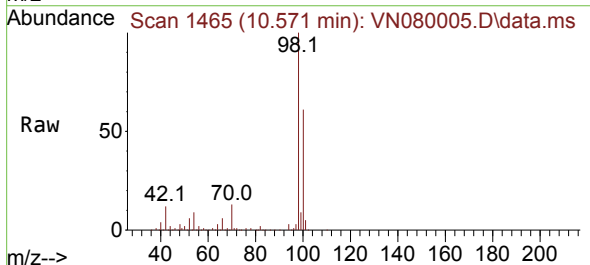
Instrument :
MSVOA_N
ClientSampleId :

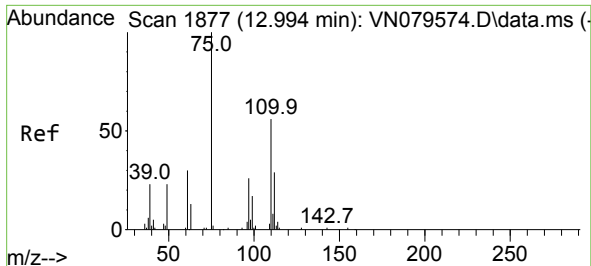
Tgt Ion: 95 Resp: 121085
Ion Ratio Lower Upper
95 100
174 71.8 60.5 90.7
176 67.3 57.2 85.8



#63
Toluene-d8
Concen: 28.675 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Tgt Ion: 98 Resp: 426174
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4

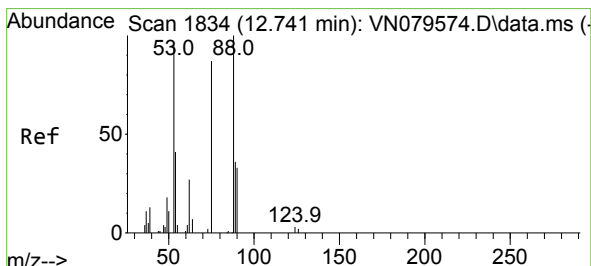
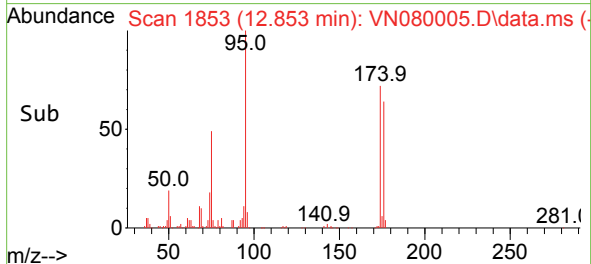
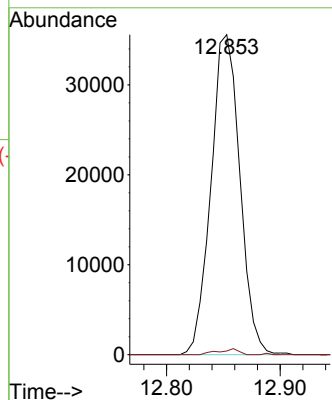
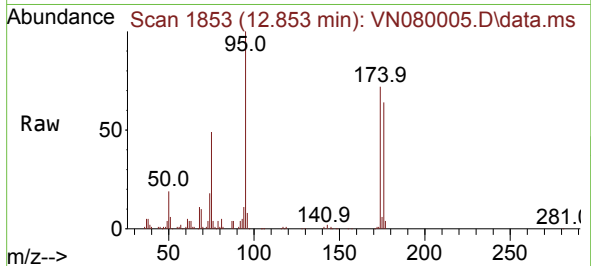




#72
1,2,3-Trichloropropane
Concen: 11.745 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63070
Ion Ratio Lower Upper
75 100
77 0.8 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 35.868 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080005.D
Acq: 08 Nov 2023 21:08

Tgt Ion: 75 Resp: 63070
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

