

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN080009.D
 Acq On : 08 Nov 2023 22:43
 Operator : JC\MD
 Sample : 05283-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 09 04:31:05 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)

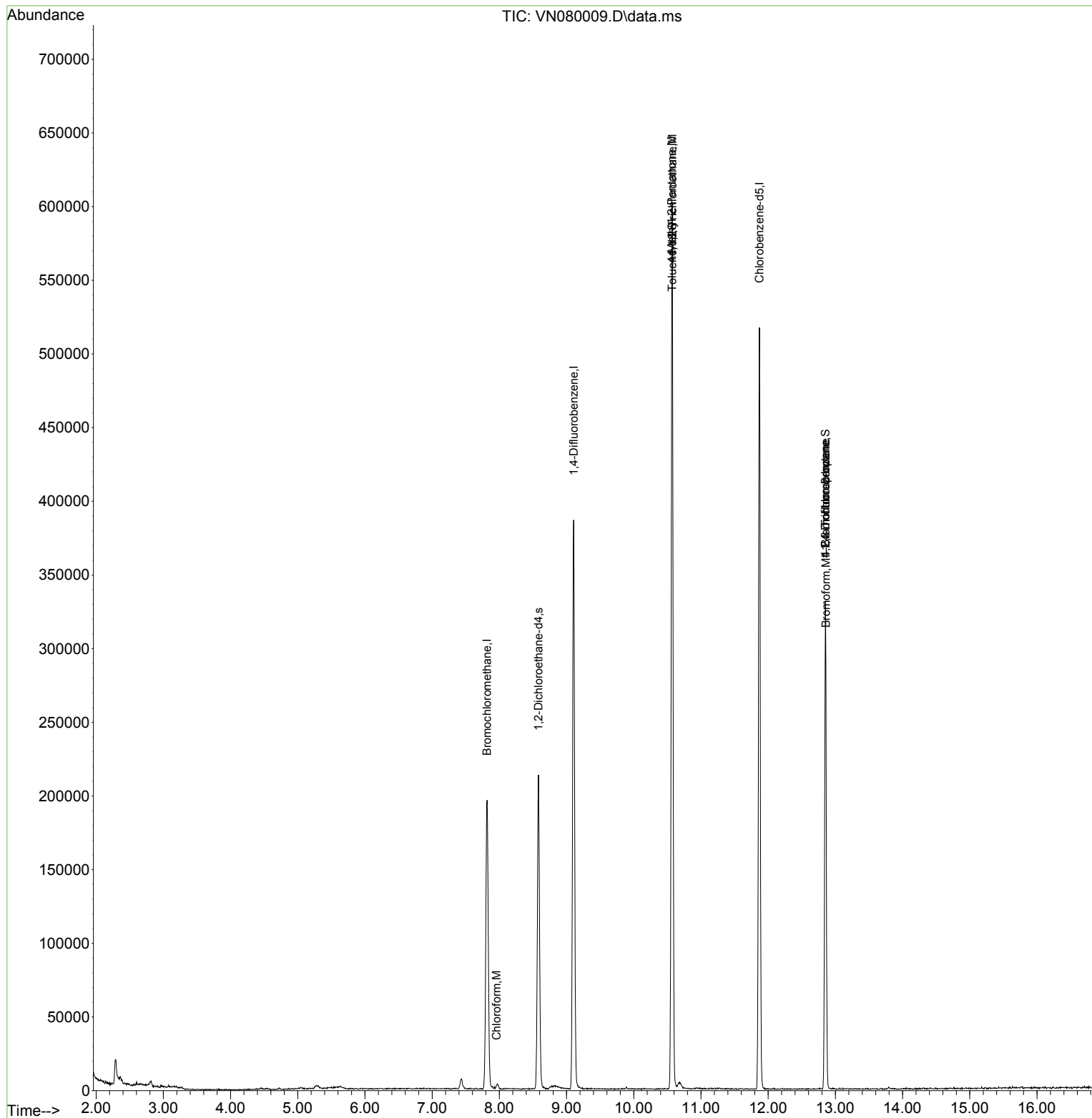
Internal Standards						
1) Bromochloromethane	7.818	128	68787	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	320641	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	298783	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	175353	30.369	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.233%			
60) 4-Bromofluorobenzene	12.853	95	112384	23.521	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 78.400%			
63) Toluene-d8	10.570	98	404751	28.590	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 95.300%			
Target Compounds						
					Qvalue	
25) Chloroform	7.959	83	1917	0.215	ug/l #	80
50) 1,1,2-Trichloroethane	10.576	97	14194	3.720	ug/l #	1
56) Bromoform	12.859	173	950	0.355	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	2165	0.434	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	59593	11.650	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	59593	35.579	ug/l #	7

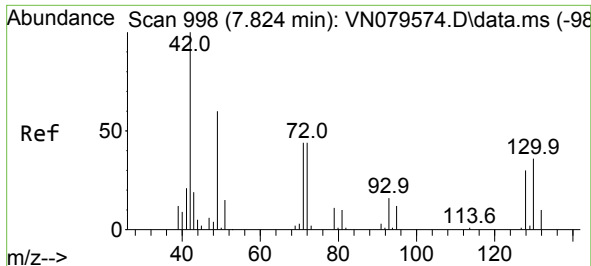
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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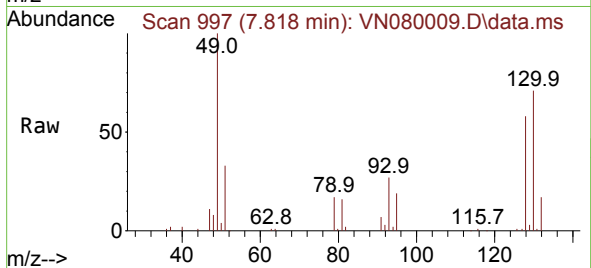
Quant Time: Nov 09 04:31:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Nov 09 04:02:05 2023
Response via : Initial Calibration



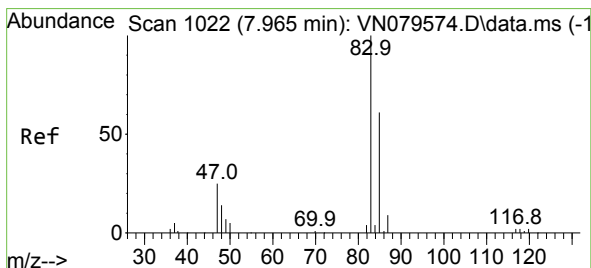
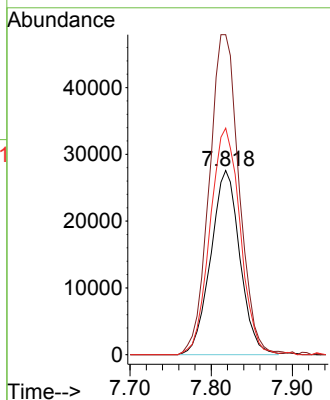
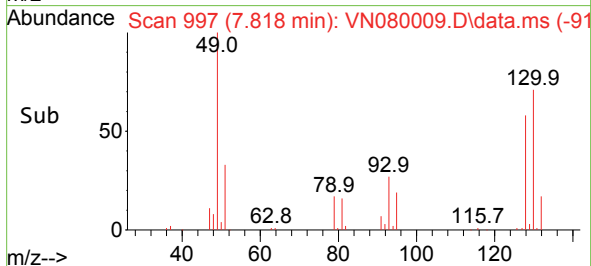


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Instrument :
MSVOA_N
ClientSampleId :

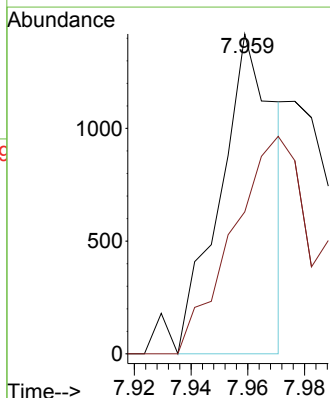
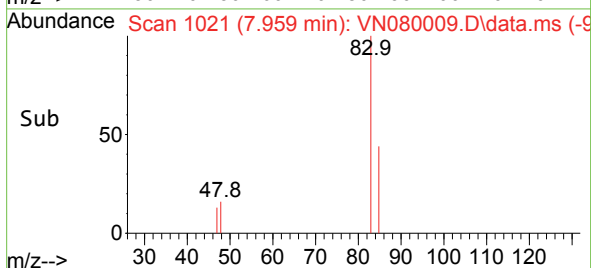
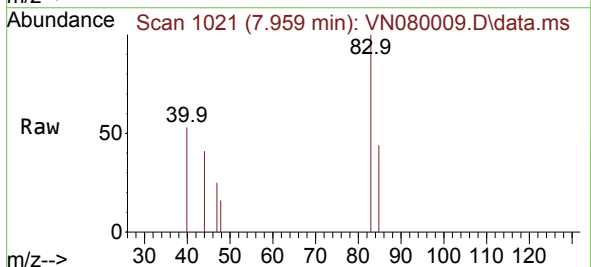


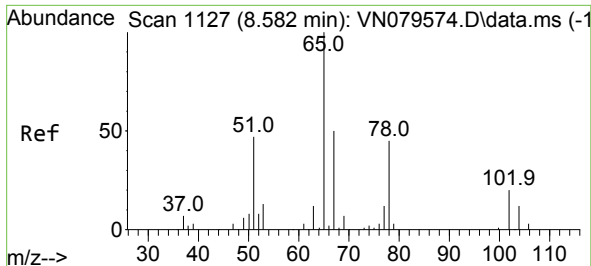
Tgt Ion:128 Resp: 68787
Ion Ratio Lower Upper
128 100
49 178.0 0.0 468.5
130 127.3 0.0 320.7



#25
Chloroform
Concen: 0.215 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Tgt Ion: 83 Resp: 1917
Ion Ratio Lower Upper
83 100
85 44.4 47.4 71.2#





#27

1,2-Dichloroethane-d4

Concen: 30.369 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN080009.D

Acq: 08 Nov 2023 22:43

Instrument :

MSVOA_N

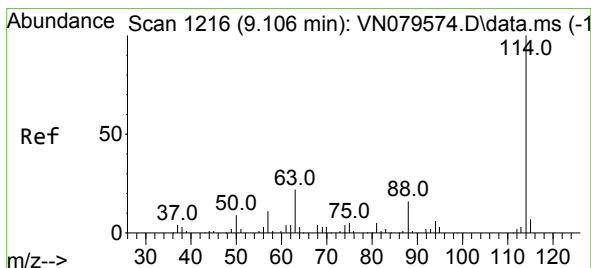
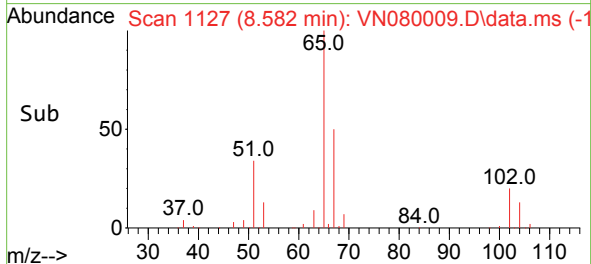
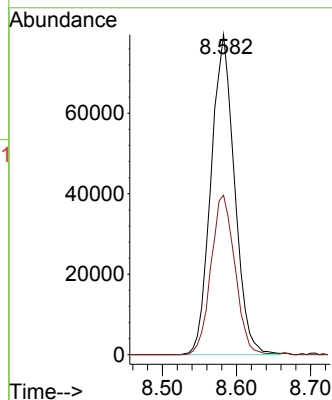
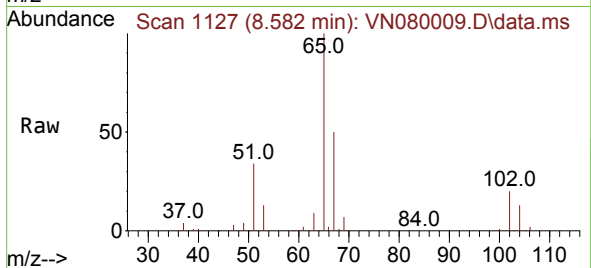
ClientSampleId :

Tgt Ion: 65 Resp: 175353

Ion Ratio Lower Upper

65 100

67 50.6 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: VN080009.D

Acq: 08 Nov 2023 22:43

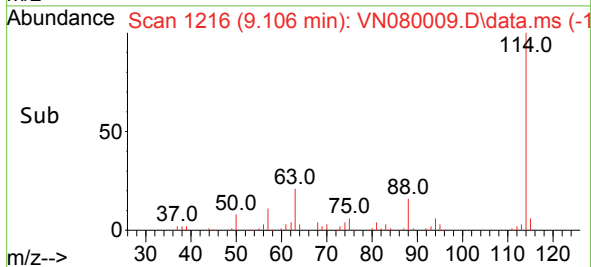
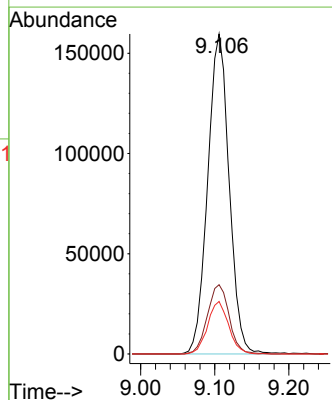
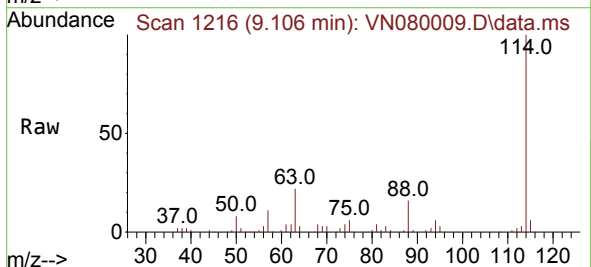
Tgt Ion: 114 Resp: 320641

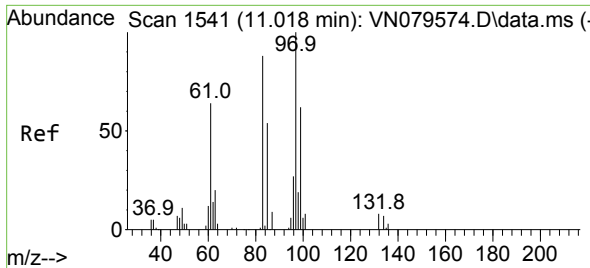
Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

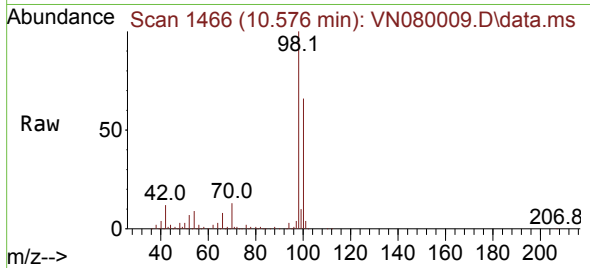
88 16.1 12.2 18.2



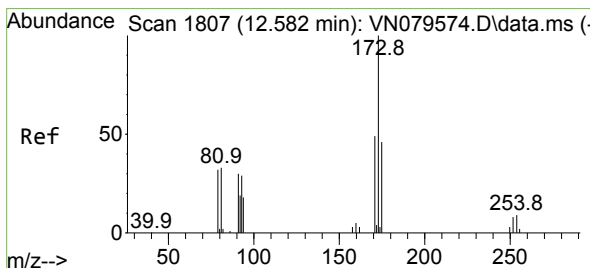
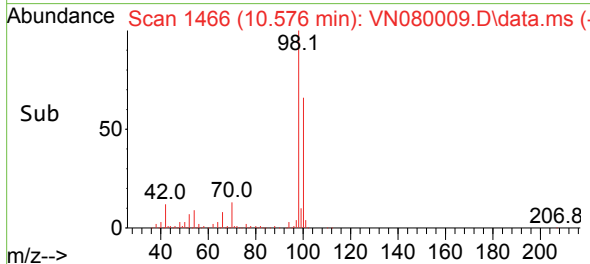
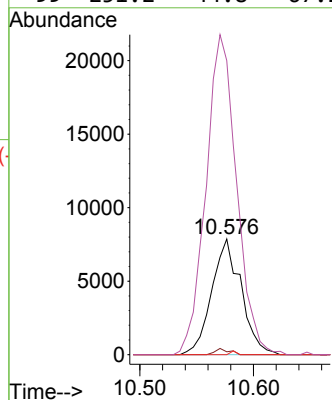


#50
1,1,2-Trichloroethane
Concen: 3.720 ug/l
RT: 10.576 min Scan# 14
Delta R.T. -0.442 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Instrument :
MSVOA_N
ClientSampleId :

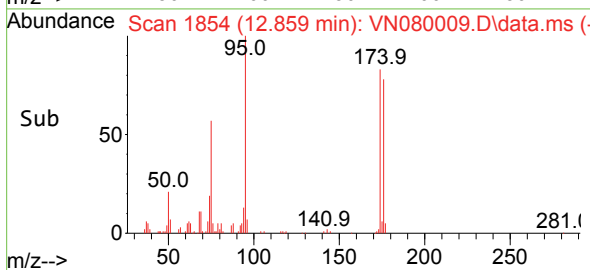
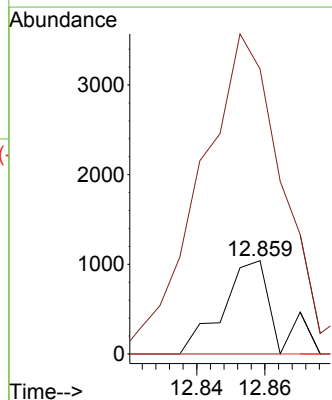
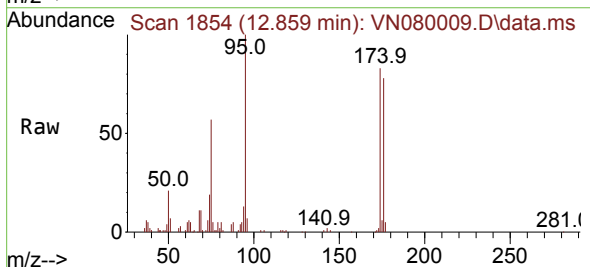


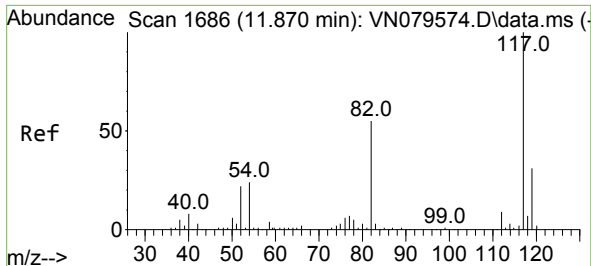
Tgt Ion: 97 Resp: 14194
Ion Ratio Lower Upper
97 100
83 2.5 68.2 102.4#
85 0.0 42.9 64.3#
99 251.2 44.8 67.2#



#56
Bromoform
Concen: 0.355 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Tgt Ion: 173 Resp: 950
Ion Ratio Lower Upper
173 100
175 636.7 37.9 56.9#
254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080009.D

Acq: 08 Nov 2023 22:43

Instrument :

MSVOA_N

ClientSampleId :

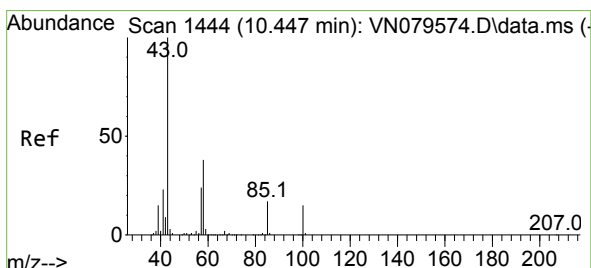
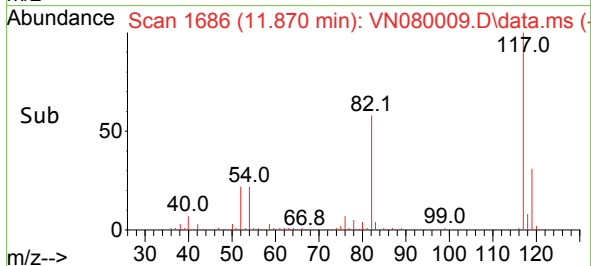
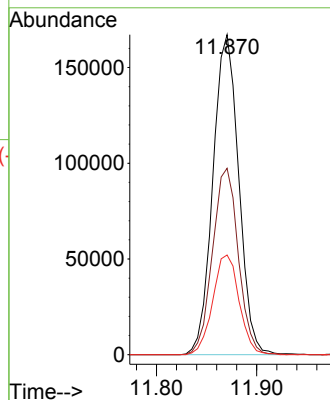
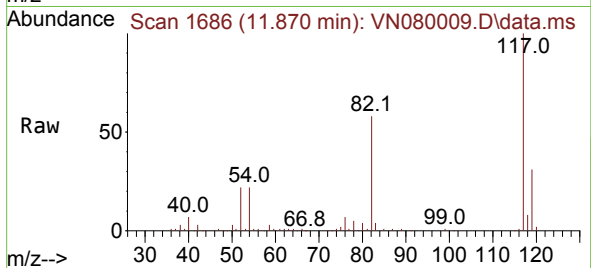
Tgt Ion:117 Resp: 298783

Ion Ratio Lower Upper

117 100

82 58.3 46.2 69.2

119 31.9 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.434 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

Lab File: VN080009.D

Acq: 08 Nov 2023 22:43

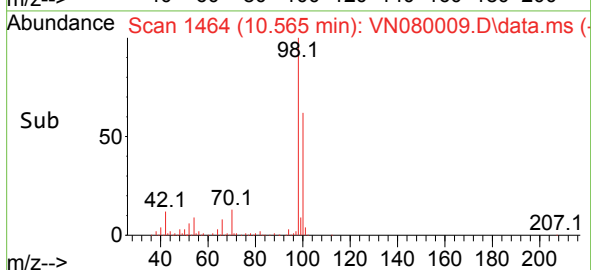
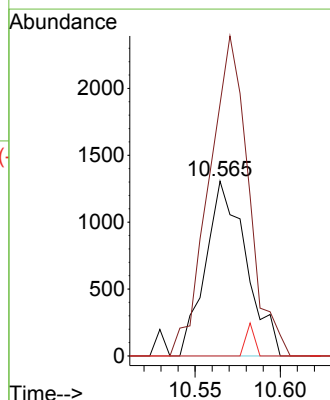
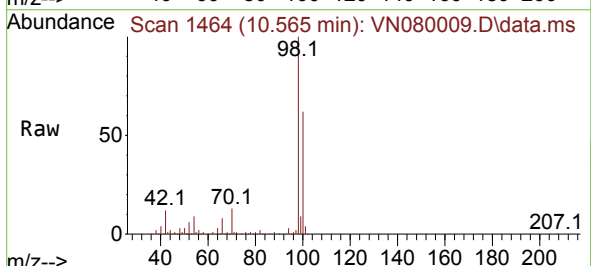
Tgt Ion: 43 Resp: 2165

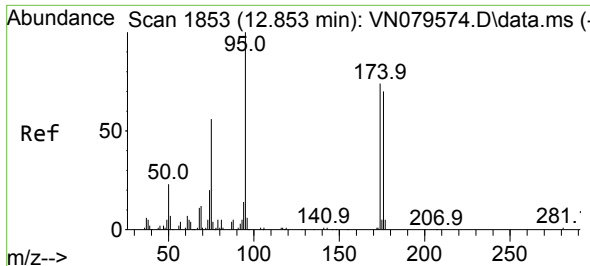
Ion Ratio Lower Upper

43 100

58 178.5 30.4 45.6#

85 0.0 13.2 19.8#

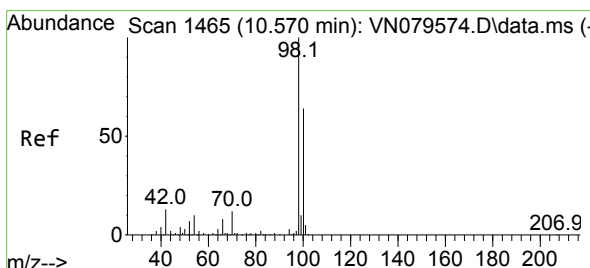
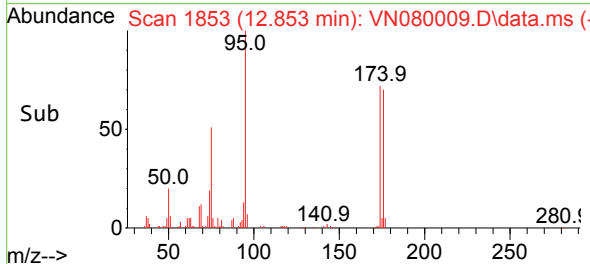
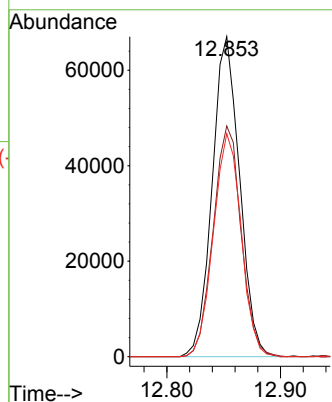
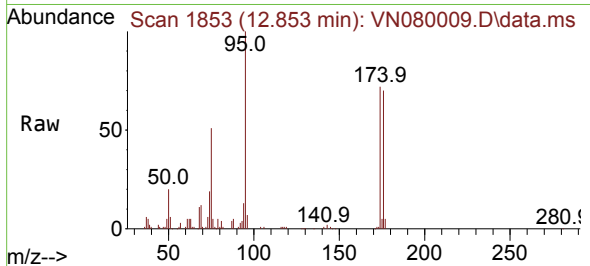




#60
4-Bromofluorobenzene
Concen: 23.521 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

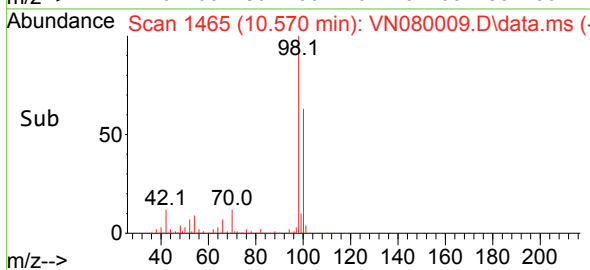
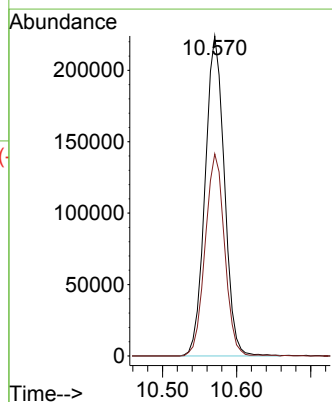
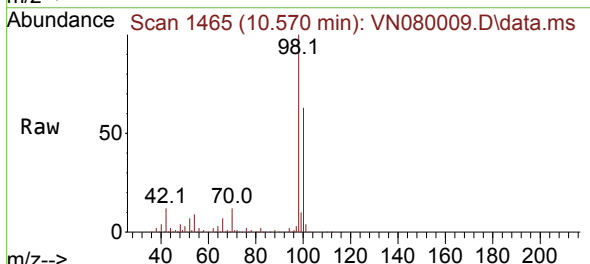
Instrument :
MSVOA_N
ClientSampleId :

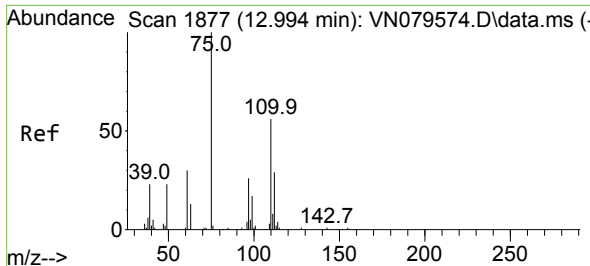
Tgt Ion: 95 Resp: 112384
Ion Ratio Lower Upper
95 100
174 73.6 60.5 90.7
176 70.6 57.2 85.8



#63
Toluene-d8
Concen: 28.590 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Tgt Ion: 98 Resp: 404751
Ion Ratio Lower Upper
98 100
100 63.3 51.6 77.4

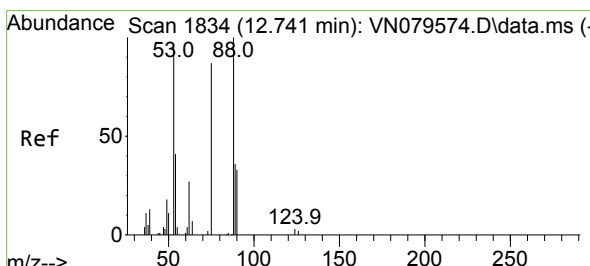
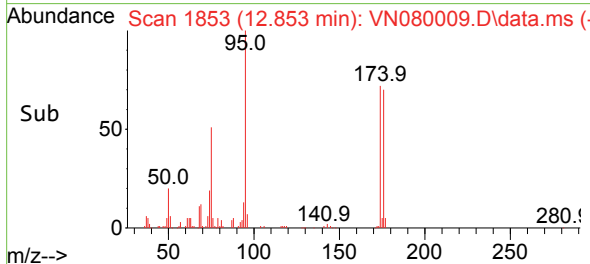
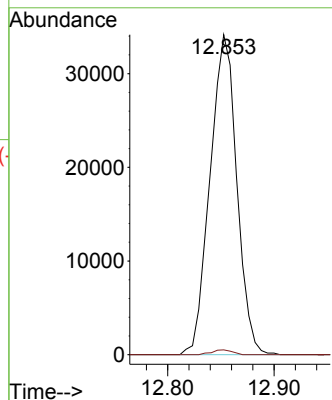
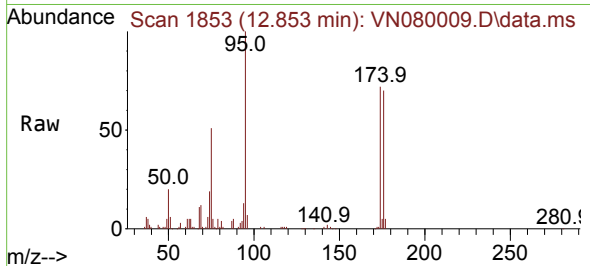




#72
1,2,3-Trichloropropane
Concen: 11.650 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 59593
Ion Ratio Lower Upper
75 100
77 1.2 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 35.579 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080009.D
Acq: 08 Nov 2023 22:43

Tgt Ion: 75 Resp: 59593
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

