

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079075.D
 Acq On : 28 Aug 2023 18:32
 Operator : JC\MD
 Sample : 04204-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 05:22:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

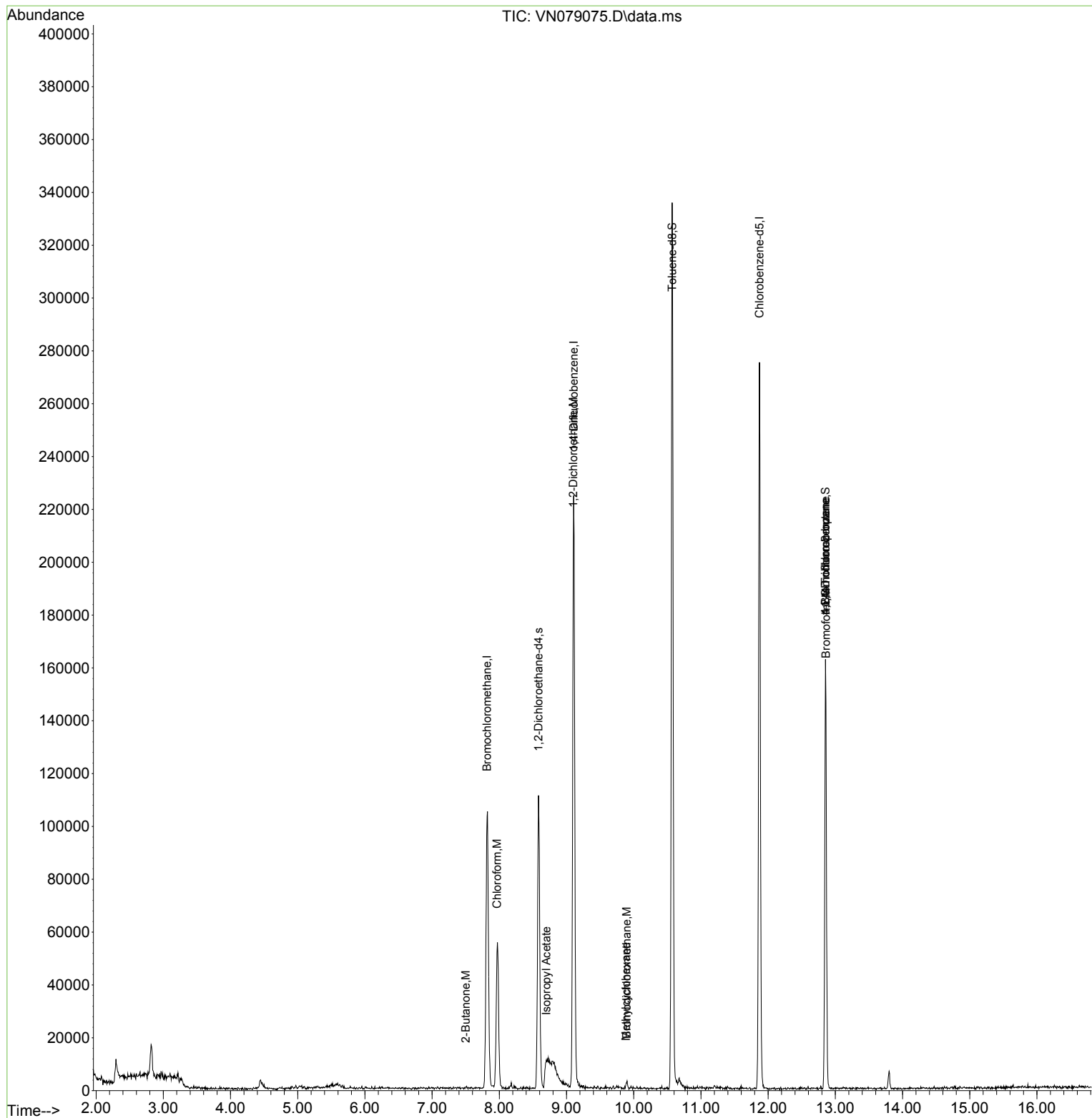
Internal Standards						
1) Bromochloromethane	7.818	128	34219	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	191461	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	154253	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	86349	31.148	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.833%			
60) 4-Bromofluorobenzene	12.853	95	52336	23.259	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 77.533%			
63) Toluene-d8	10.571	98	223010	30.959	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.200%			
Target Compounds						
					Qvalue	
25) Chloroform	7.965	83	51331	12.707	ug/l	97
30) 2-Butanone	7.500	43	612	0.359	ug/l #	58
36) 1,2-Dichloroethane	9.100	62	7123	2.179	ug/l #	73
38) Methylcyclohexane	9.883	83	632	0.246	ug/l #	16
41) Bromodichloromethane	9.894	83	1031	0.325	ug/l #	85
44) Isopropyl Acetate	8.700	43	1391	0.239	ug/l #	52
56) Bromoform	12.859	173	365	0.222	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	30720	12.730	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	30720	34.256	ug/l #	3

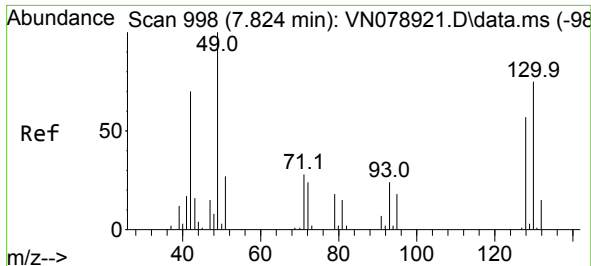
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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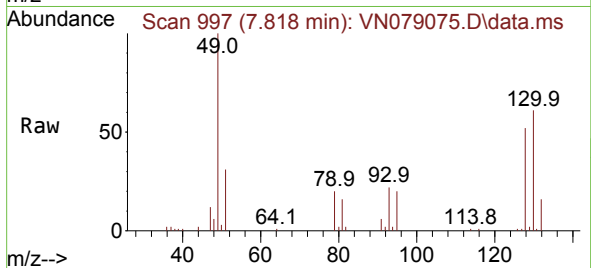
Quant Time: Aug 29 05:22:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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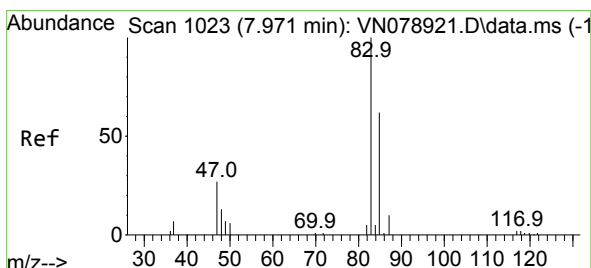
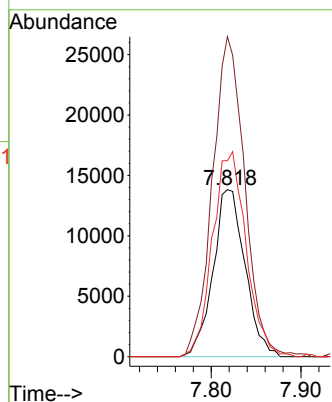
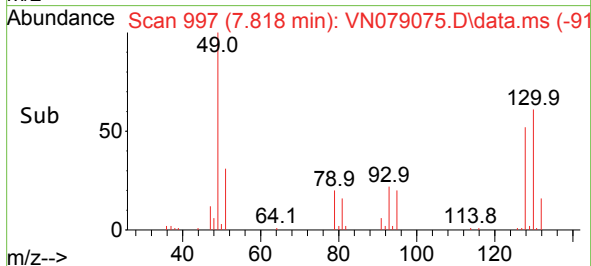


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Instrument :
MSVOA_N
ClientSampleId :

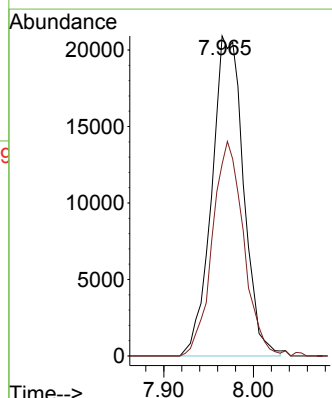
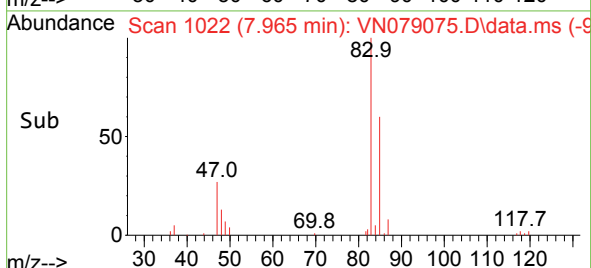
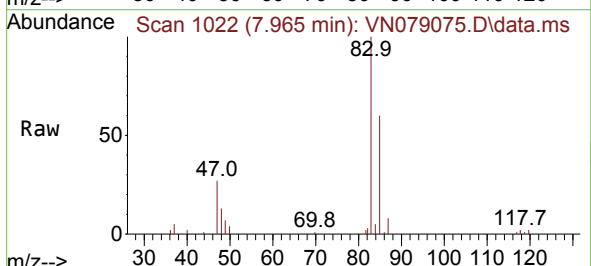


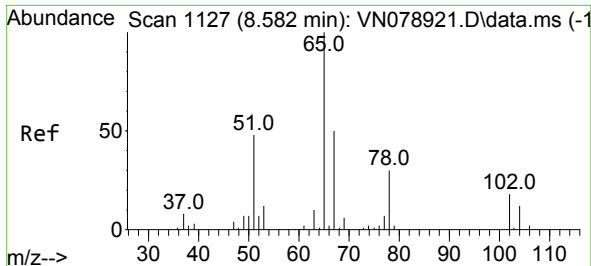
Tgt Ion:128 Resp: 34219
Ion Ratio Lower Upper
128 100
49 193.4 0.0 481.8
130 129.0 0.0 320.5



#25
Chloroform
Concen: 12.707 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Tgt Ion: 83 Resp: 51331
Ion Ratio Lower Upper
83 100
85 59.9 49.6 74.4





#27

1,2-Dichloroethane-d4

Concen: 31.148 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079075.D

Acq: 28 Aug 2023 18:32

Instrument :

MSVOA_N

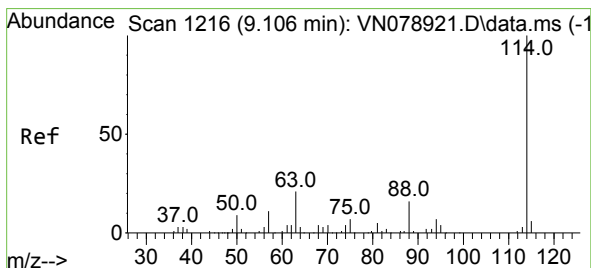
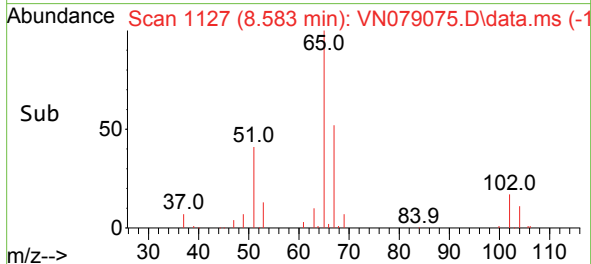
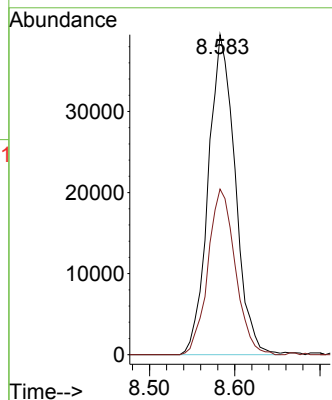
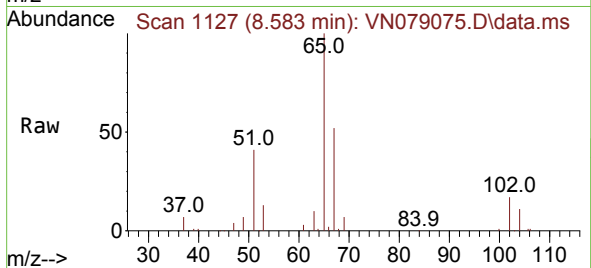
ClientSampleId :

Tgt Ion: 65 Resp: 86349

Ion Ratio Lower Upper

65 100

67 52.7 40.7 61.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079075.D

Acq: 28 Aug 2023 18:32

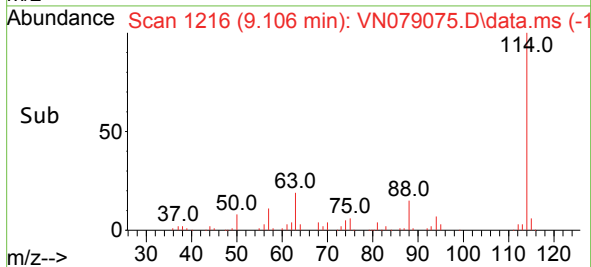
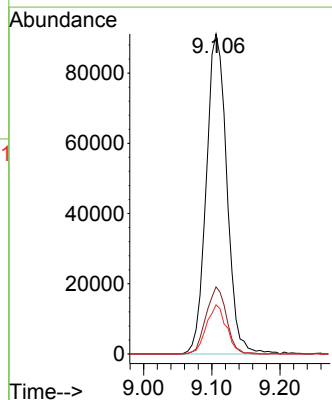
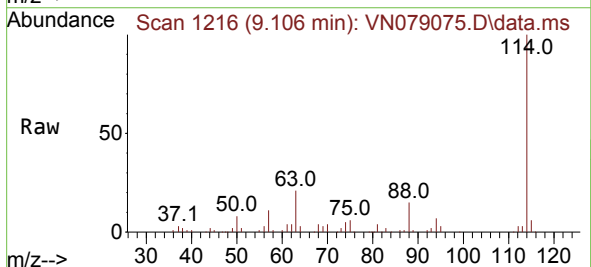
Tgt Ion: 114 Resp: 191461

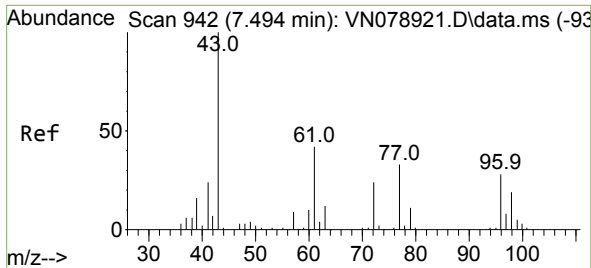
Ion Ratio Lower Upper

114 100

63 20.6 17.4 26.2

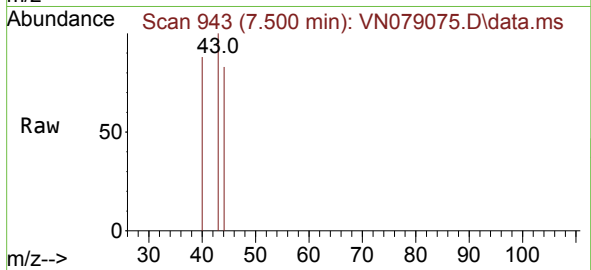
88 15.0 12.0 18.0



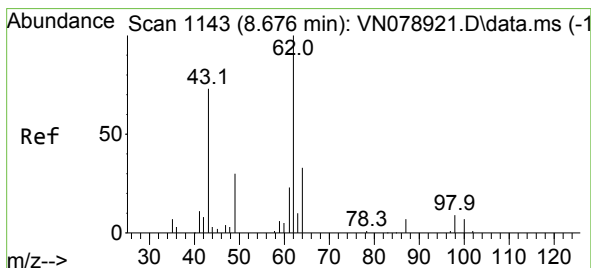
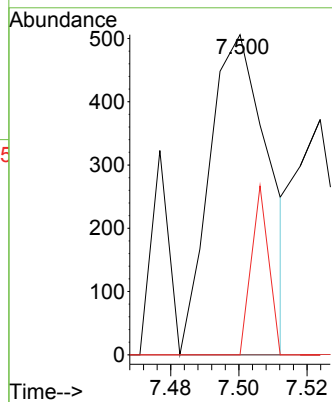
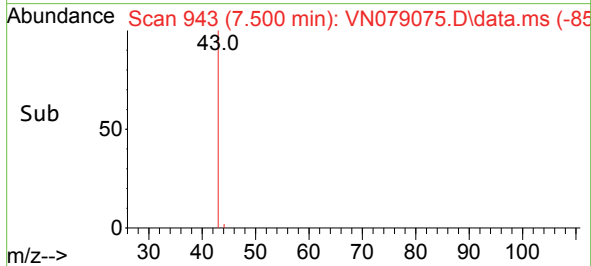


#30
2-Butanone
Concen: 0.359 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Instrument :
MSVOA_N
ClientSampleId :

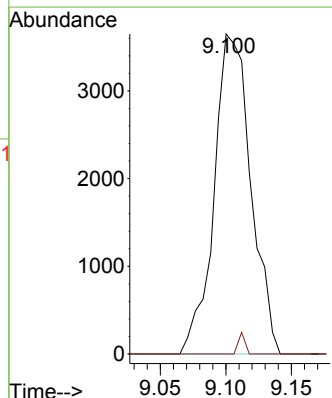
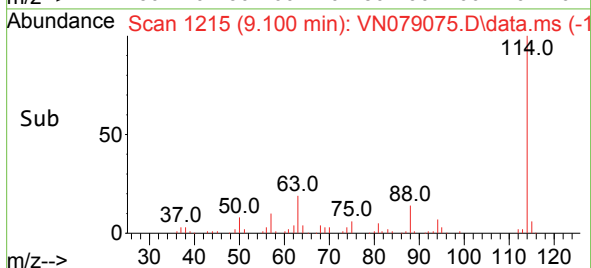
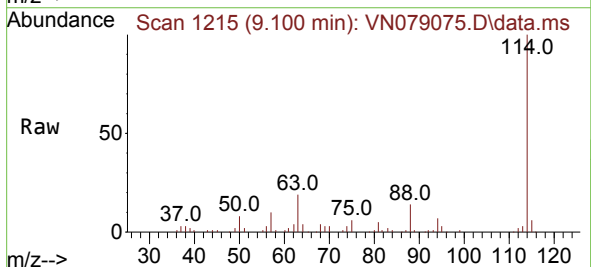


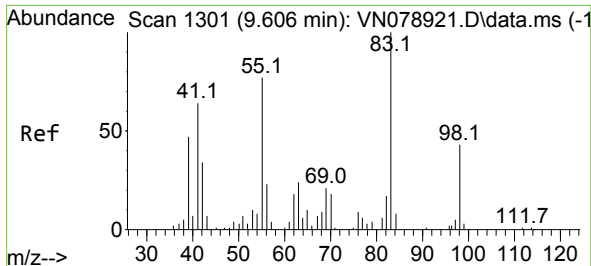
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 0.0 19.4 29.2#



#36
1,2-Dichloroethane
Concen: 2.179 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.424 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Tgt Ion: 62 Resp: 7123
Ion Ratio Lower Upper
62 100
98 0.0 8.1 12.1#

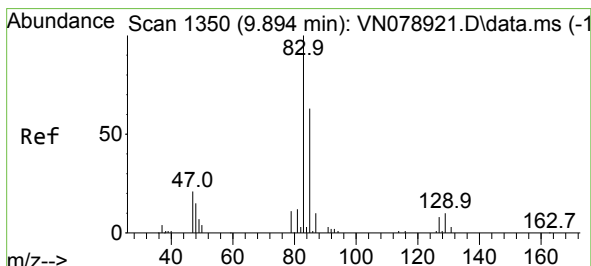
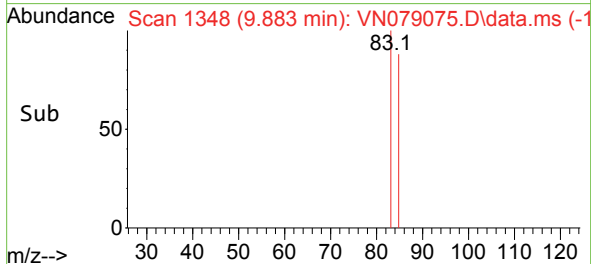
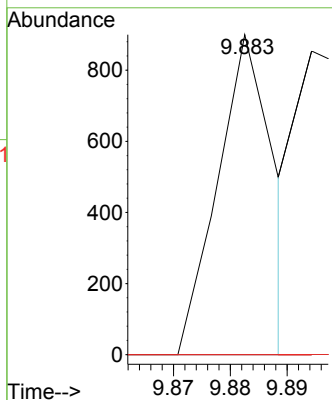
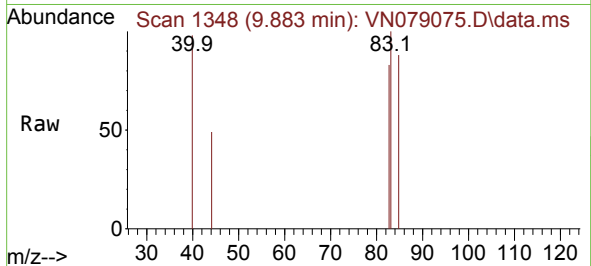




#38
Methylcyclohexane
Concen: 0.246 ug/l
RT: 9.883 min Scan# 11
Delta R.T. 0.277 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

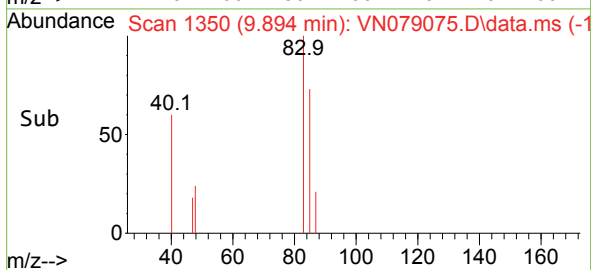
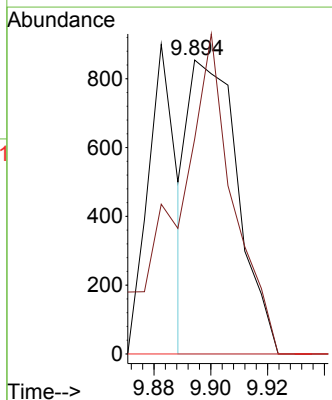
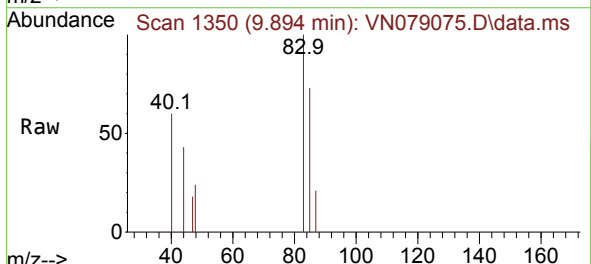
Instrument :
MSVOA_N
ClientSampleId :

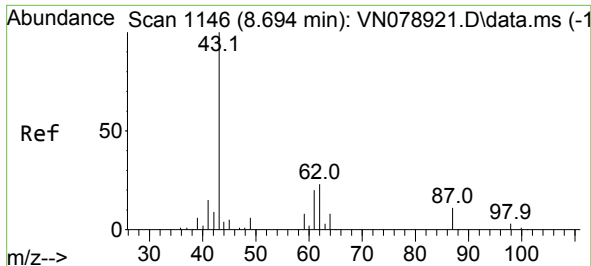
Tgt Ion: 83 Resp: 632
Ion Ratio Lower Upper
83 100
55 0.0 40.2 120.6#
98 0.0 24.1 72.3#



#41
Bromodichloromethane
Concen: 0.325 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Tgt Ion: 83 Resp: 1031
Ion Ratio Lower Upper
83 100
85 73.2 50.2 75.2
127 0.0 6.2 9.4#

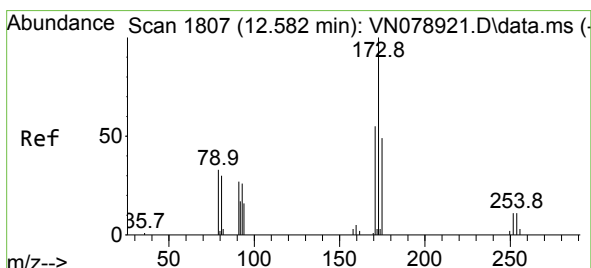
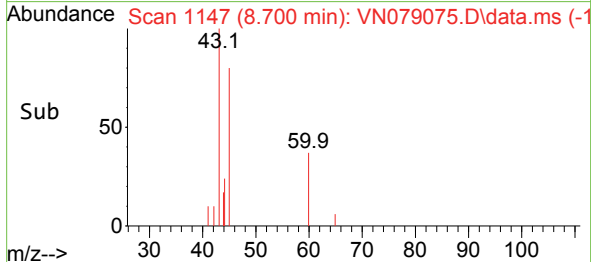
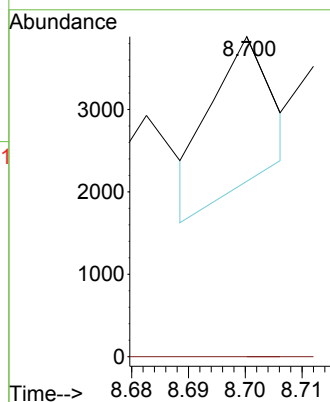
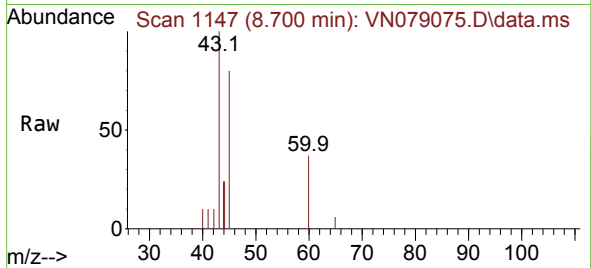




#44
Isopropyl Acetate
Concen: 0.239 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

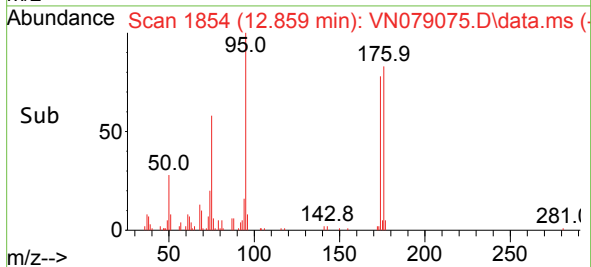
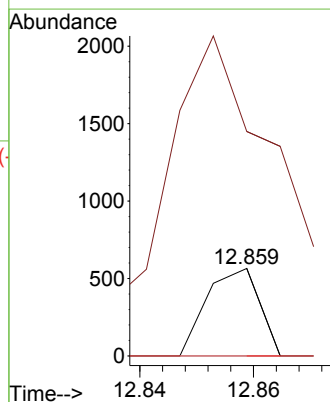
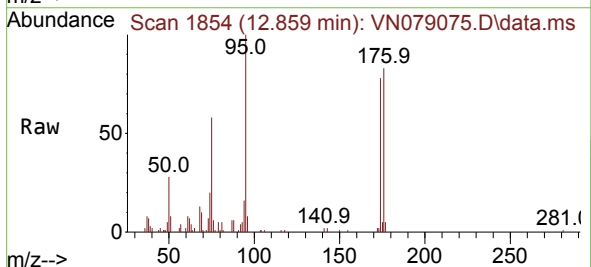
Instrument :
MSVOA_N
ClientSampleId :

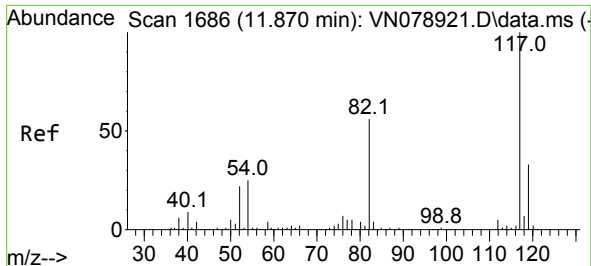
Tgt Ion: 43 Resp: 1391
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#



#56
Bromoform
Concen: 0.222 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.277 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

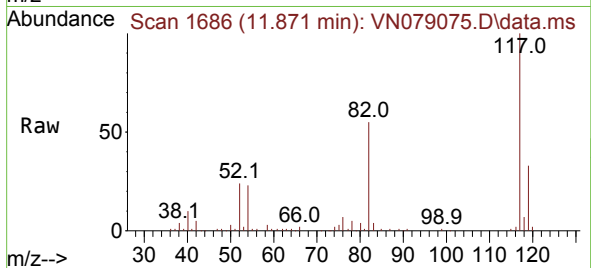
Tgt Ion: 173 Resp: 365
Ion Ratio Lower Upper
173 100
175 820.8 38.8 58.2#
254 0.0 7.6 11.4#



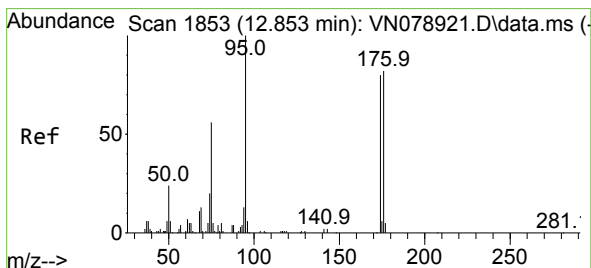
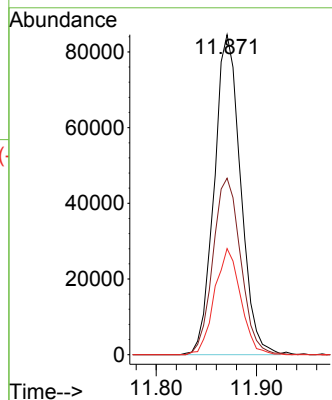
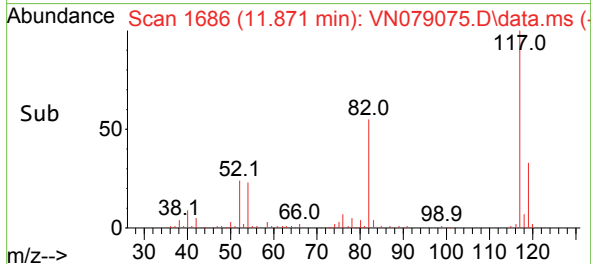


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

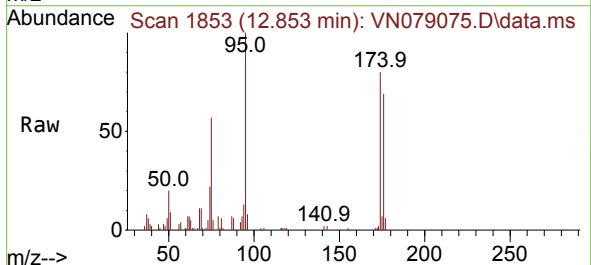
Instrument :
MSVOA_N
ClientSampleId :



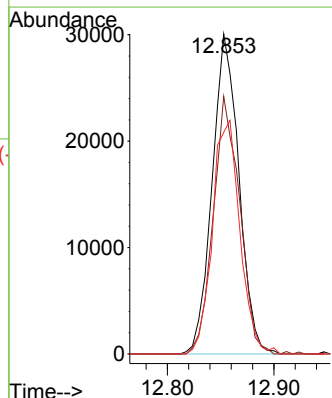
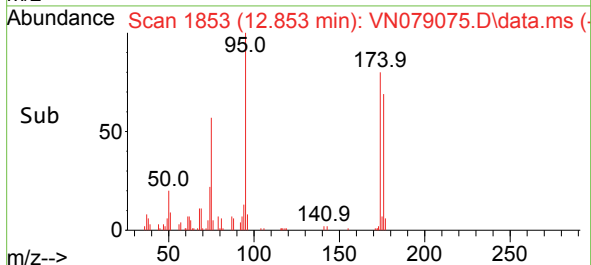
Tgt Ion:117 Resp: 154253
Ion Ratio Lower Upper
117 100
82 58.0 43.4 65.0
119 32.8 25.5 38.3

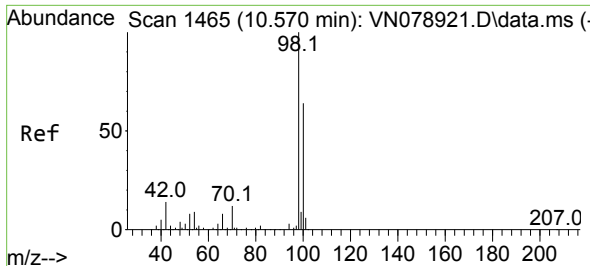


#60
4-Bromofluorobenzene
Concen: 23.259 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32



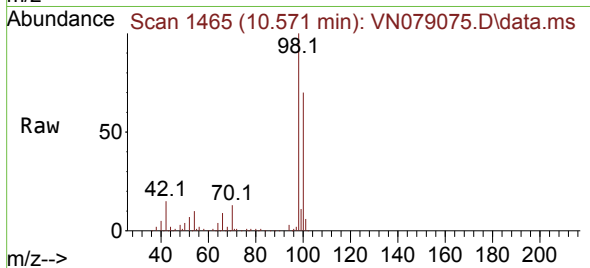
Tgt Ion: 95 Resp: 52336
Ion Ratio Lower Upper
95 100
174 79.8 64.8 97.2
176 74.8 63.0 94.6



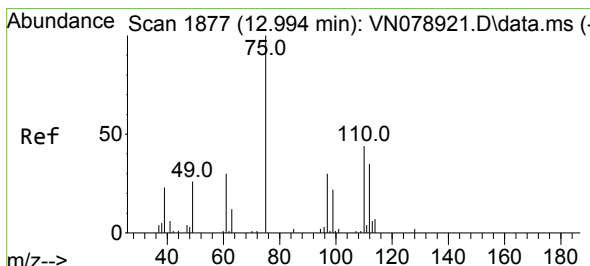
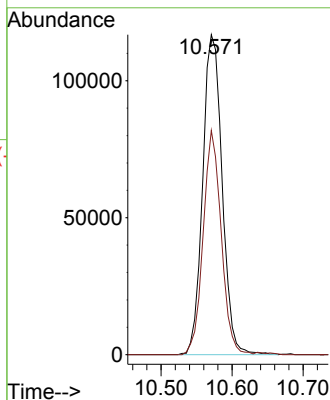
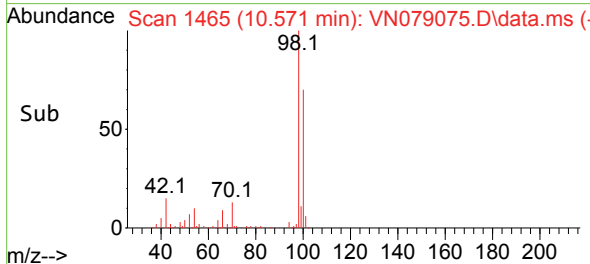


#63
Toluene-d8
Concen: 30.959 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

Instrument :
MSVOA_N
ClientSampleId :

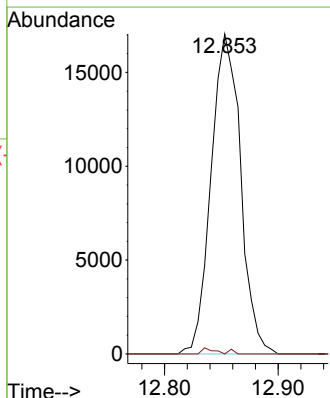
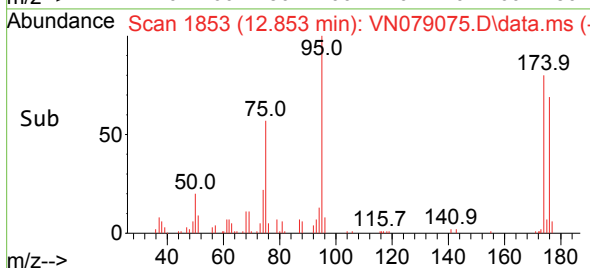
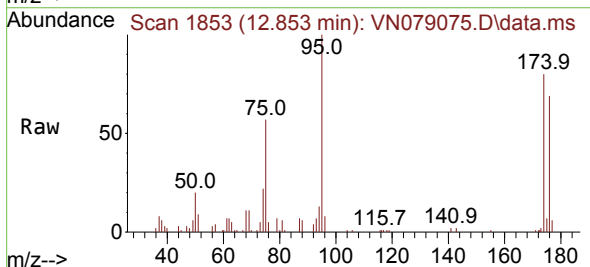


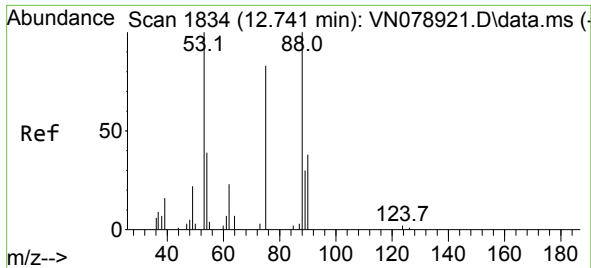
Tgt Ion: 98 Resp: 223010
Ion Ratio Lower Upper
98 100
100 64.9 51.1 76.7



#72
1,2,3-Trichloropropane
Concen: 12.730 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079075.D
Acq: 28 Aug 2023 18:32

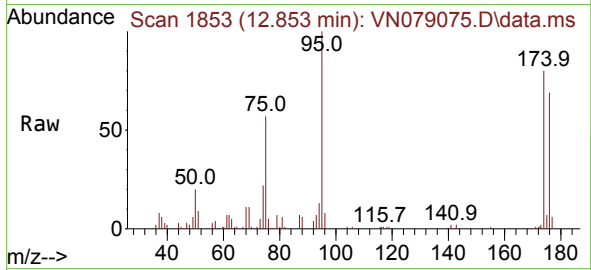
Tgt Ion: 75 Resp: 30720
Ion Ratio Lower Upper
75 100
77 0.3 0.0 367.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.256 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079075.D
 Acq: 28 Aug 2023 18:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 30720
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.1 180.3#
 89 0.0 22.9 68.8#

