

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079063.D
 Acq On : 28 Aug 2023 13:32
 Operator : JC\MD
 Sample : 04092-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 05:21:24 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)

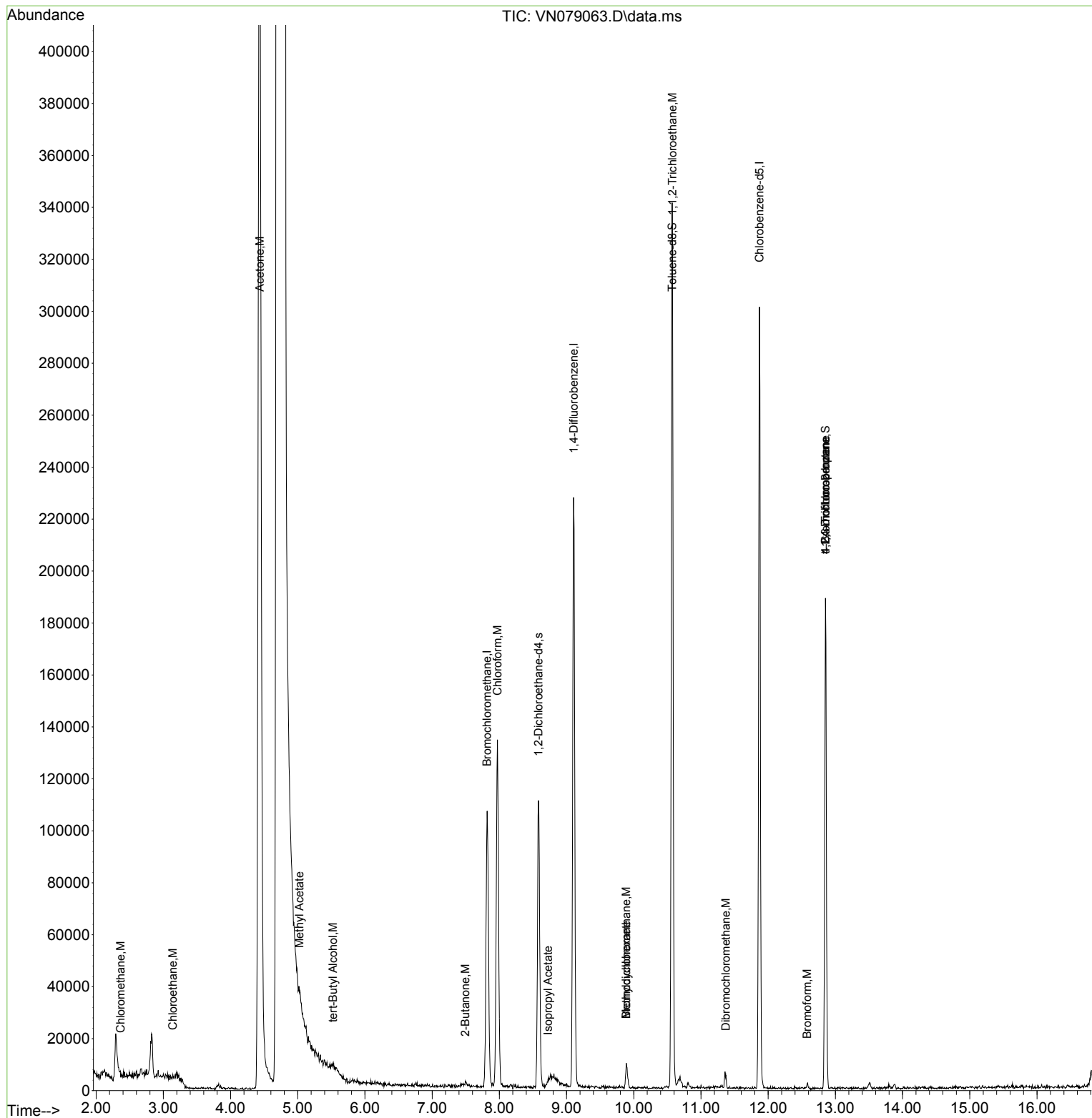
Internal Standards						
1) Bromochloromethane	7.818	128	36260	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	194043	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	167937	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	87704	29.856	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.533%
60) 4-Bromofluorobenzene	12.853	95	61337	25.038	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.467%
63) Toluene-d8	10.570	98	233109	29.724	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.067%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	861	0.314	ug/l #	44
6) Chloroethane	3.142	64	373	0.211	ug/l #	44
12) Methyl Acetate	5.024	43	4370	0.971	ug/l #	86
15) Acetone	4.436	58	282578	778.409	ug/l	94
23) tert-Butyl Alcohol	5.524	59	773	1.751	ug/l #	100
25) Chloroform	7.971	83	124410	29.064	ug/l	98
30) 2-Butanone	7.494	43	1662	0.962	ug/l #	63
38) Methylcyclohexane	9.888	83	6531	2.513	ug/l #	16
41) Bromodichloromethane	9.888	83	6531	2.033	ug/l	96
44) Isopropyl Acetate	8.724	43	1654	0.280	ug/l #	52
50) 1,1,2-Trichloroethane	10.576	97	7355	3.408	ug/l #	1
53) Dibromochloromethane	11.370	129	3017	1.277	ug/l	87
56) Bromoform	12.582	173	468	0.281	ug/l #	95
72) 1,2,3-Trichloropropane	12.853	75	33950	12.922	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	33950	34.773	ug/l #	3

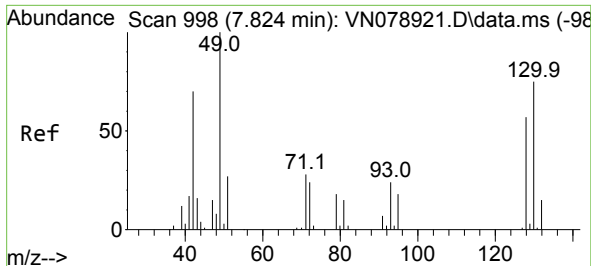
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
Data File : VN079063.D
Acq On : 28 Aug 2023 13:32
Operator : JC\MD
Sample : 04092-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

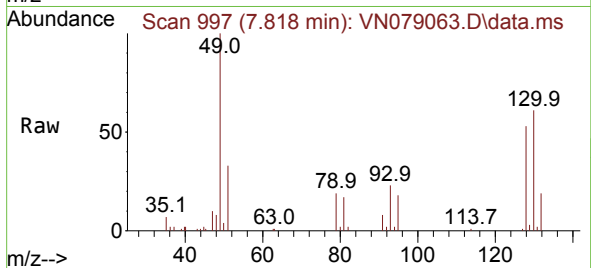
Quant Time: Aug 29 05:21:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



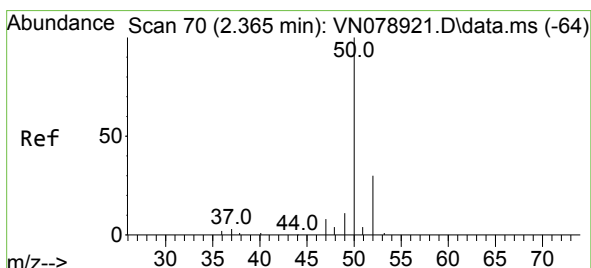
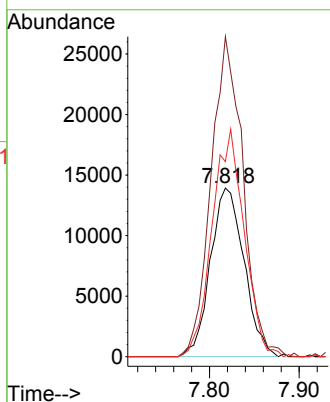
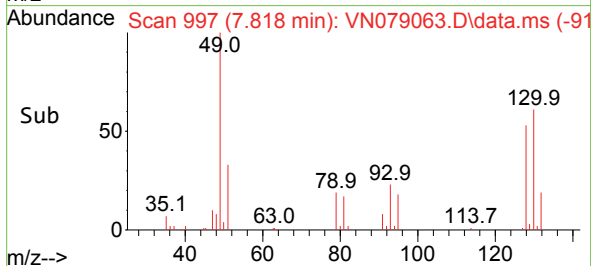


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Instrument :
MSVOA_N
ClientSampleId :

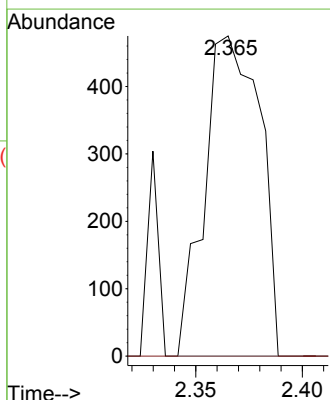
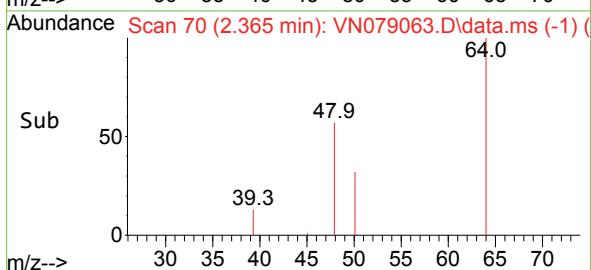
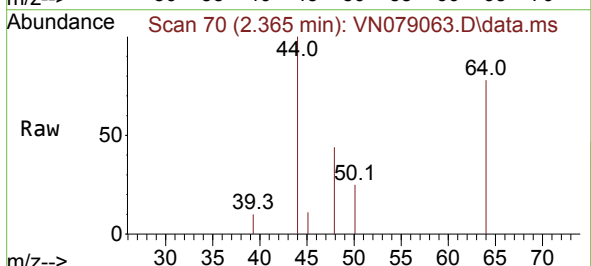


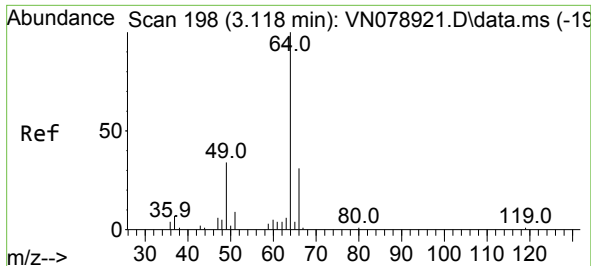
Tgt Ion:128 Resp: 36260
Ion Ratio Lower Upper
128 100
49 178.0 0.0 481.8
130 127.9 0.0 320.5



#3
Chloromethane
Concen: 0.314 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 50 Resp: 861
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#

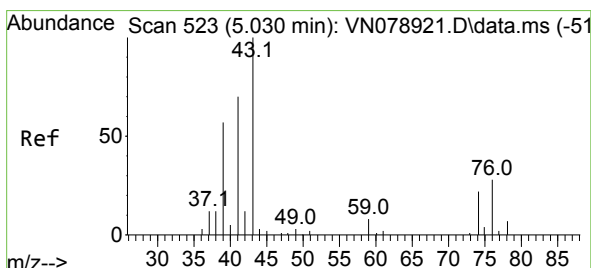
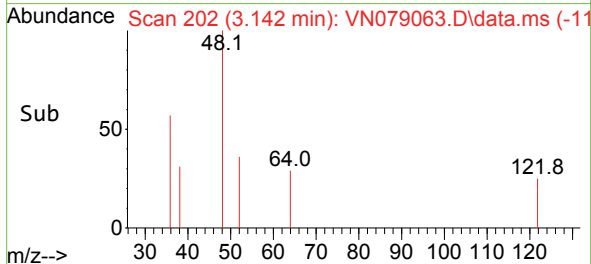
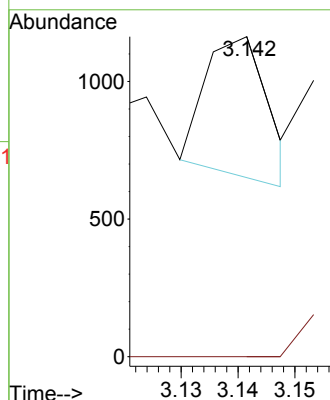
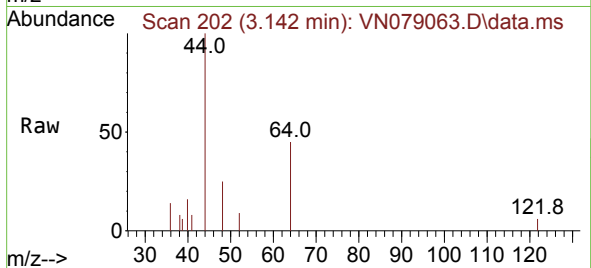




#6
Chloroethane
Concen: 0.211 ug/l
RT: 3.142 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

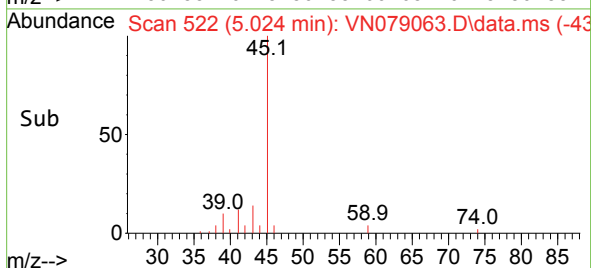
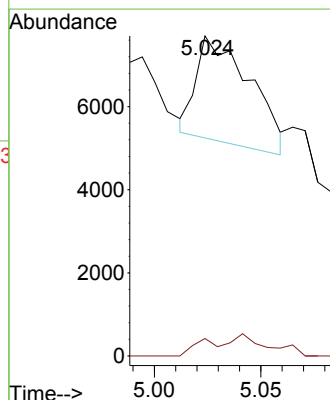
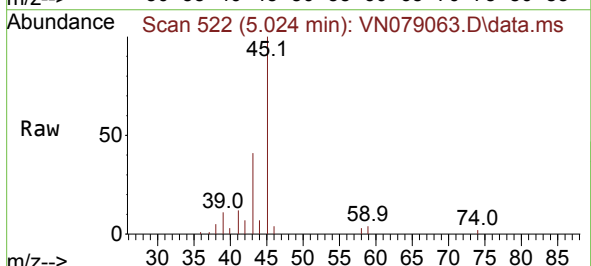
Instrument :
MSVOA_N
ClientSampleId :

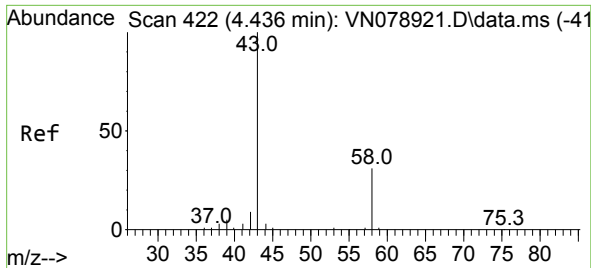
Tgt Ion: 64 Resp: 373
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#



#12
Methyl Acetate
Concen: 0.971 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 43 Resp: 4370
Ion Ratio Lower Upper
43 100
74 15.1 17.5 26.3#

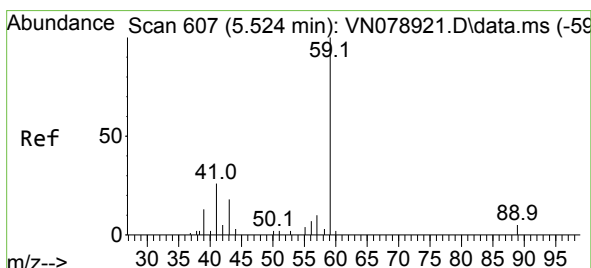
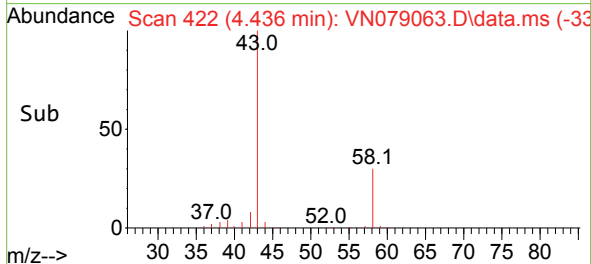
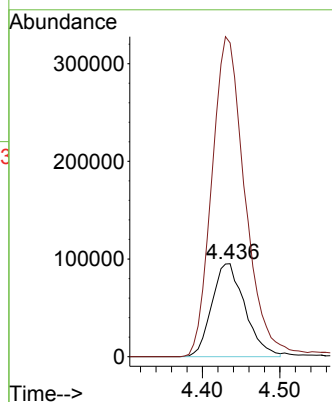
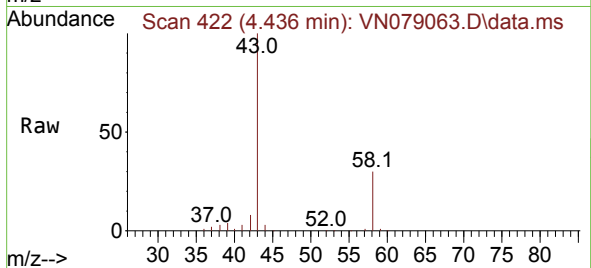




#15
Acetone
Concen: 778.409 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

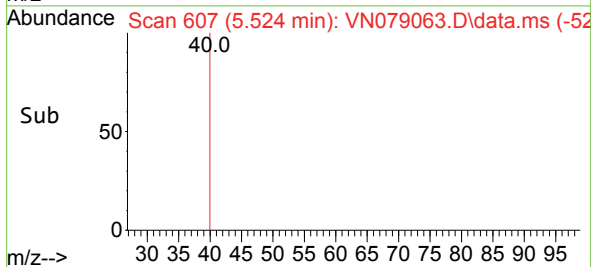
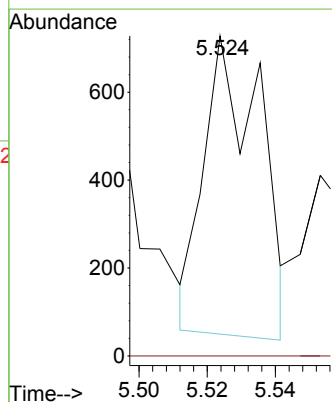
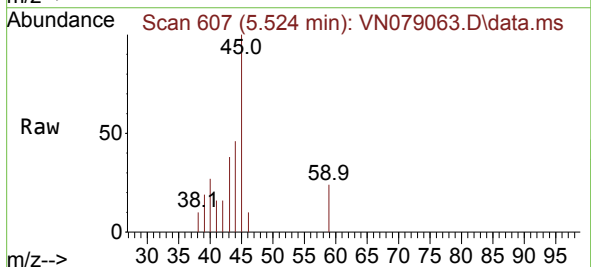
Instrument :
MSVOA_N
ClientSampleId :

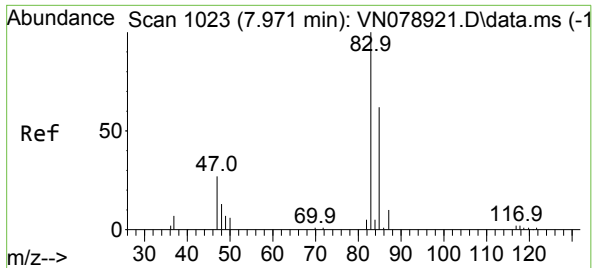
Tgt Ion: 58 Resp: 282578
Ion Ratio Lower Upper
58 100
43 337.3 260.6 390.8



#23
tert-Butyl Alcohol
Concen: 1.751 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 59 Resp: 773
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

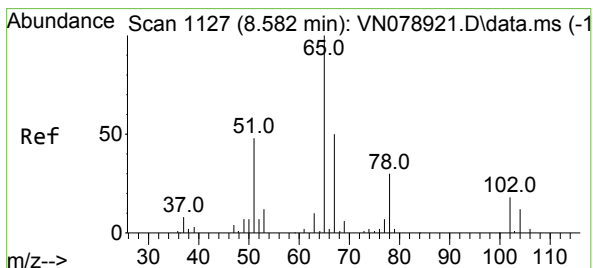
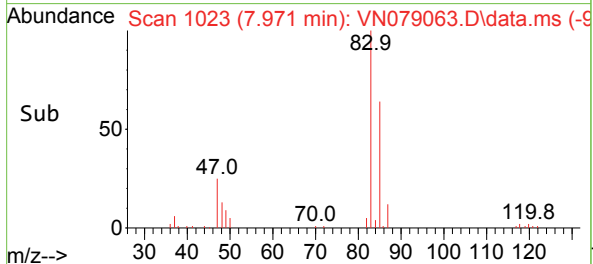
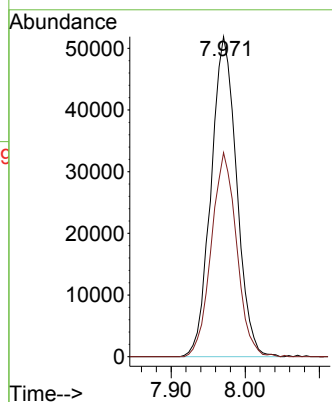
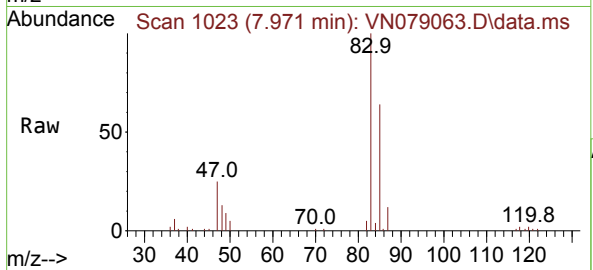




#25
Chloroform
Concen: 29.064 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

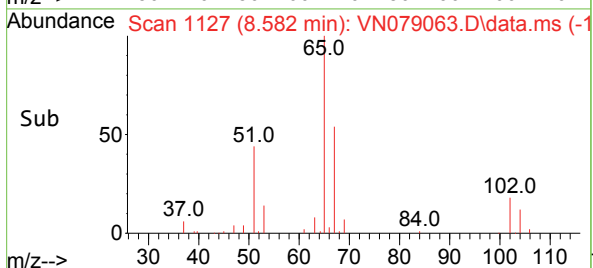
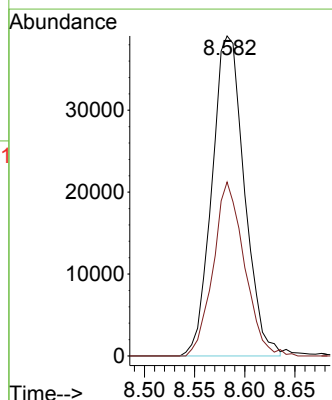
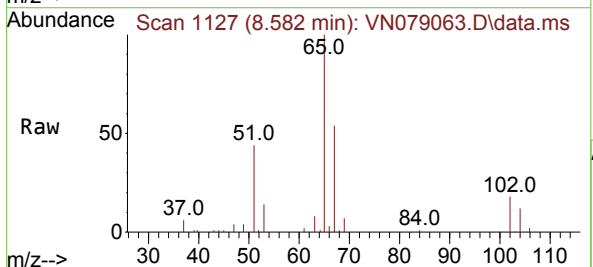
Instrument :
MSVOA_N
ClientSampleId :

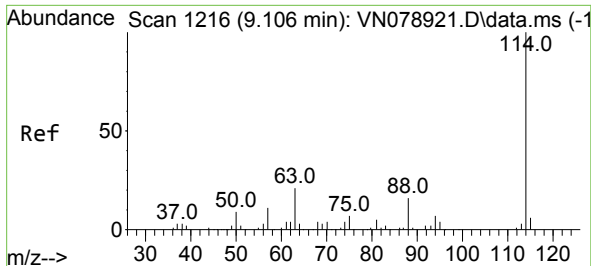
Tgt Ion: 83 Resp: 124410
Ion Ratio Lower Upper
83 100
85 63.7 49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 29.856 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 65 Resp: 87704
Ion Ratio Lower Upper
65 100
67 52.3 40.7 61.1

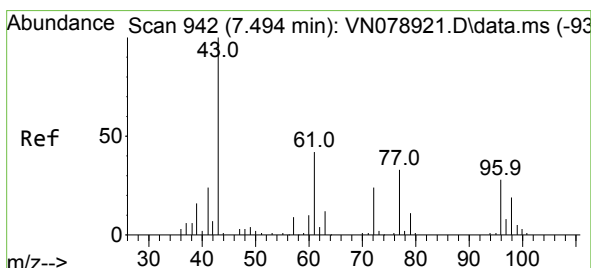
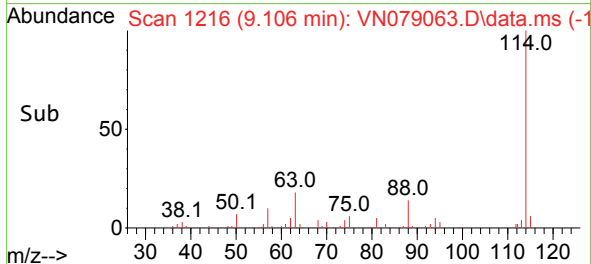
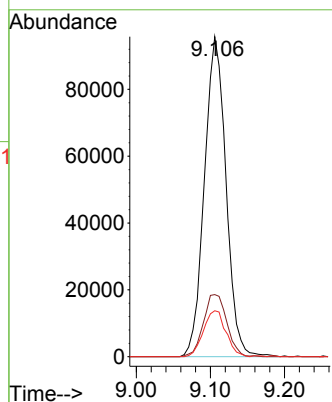
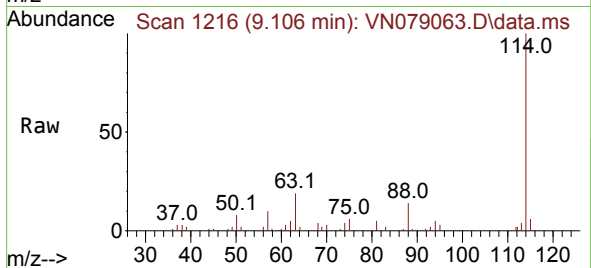




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

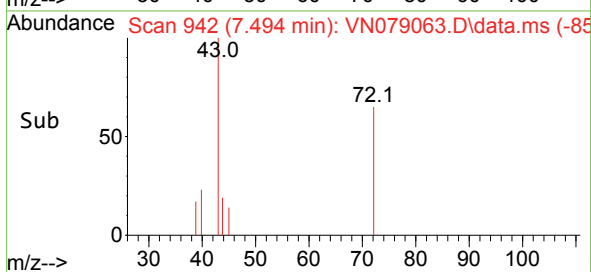
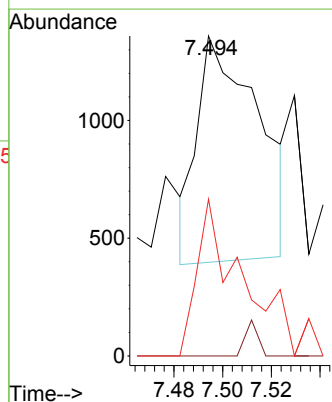
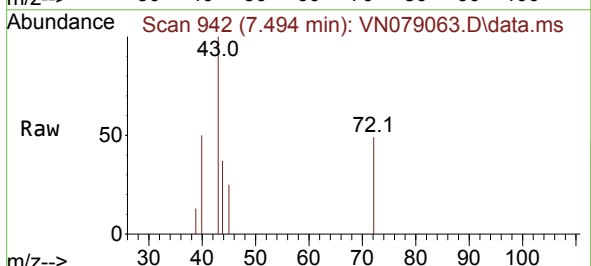
Instrument :
MSVOA_N
ClientSampleId :

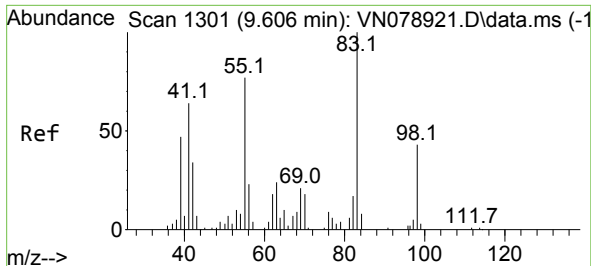
Tgt Ion:114 Resp: 194043
Ion Ratio Lower Upper
114 100
63 20.9 17.4 26.2
88 14.9 12.0 18.0



#30
2-Butanone
Concen: 0.962 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 43 Resp: 1662
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 45.0 19.4 29.2#

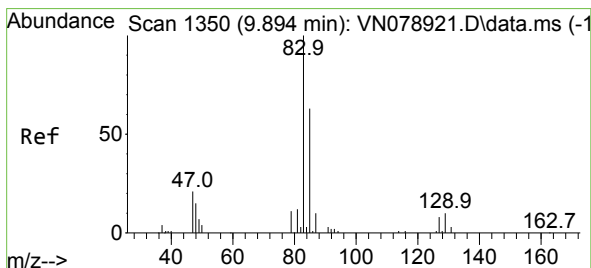
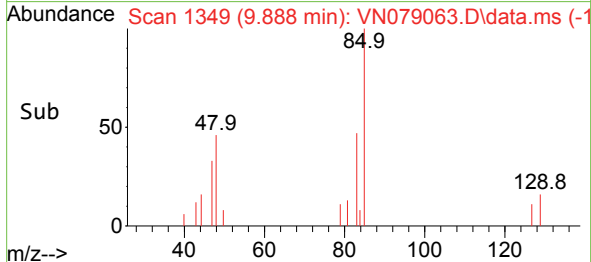
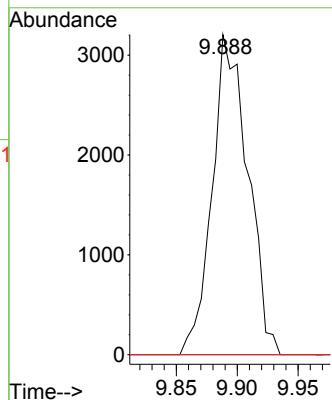
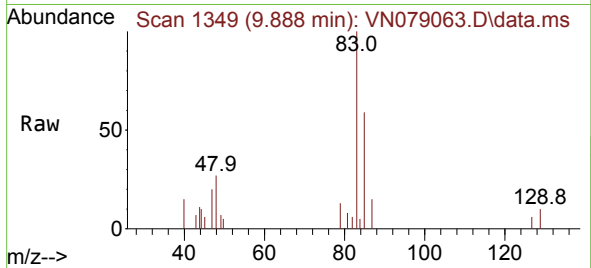




#38
Methylcyclohexane
Concen: 2.513 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

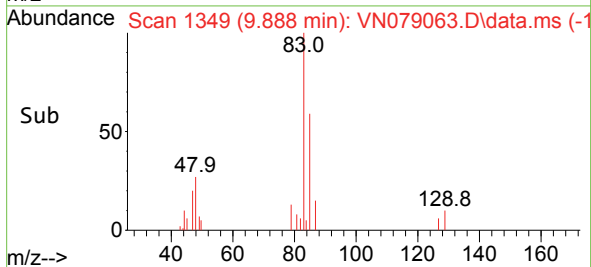
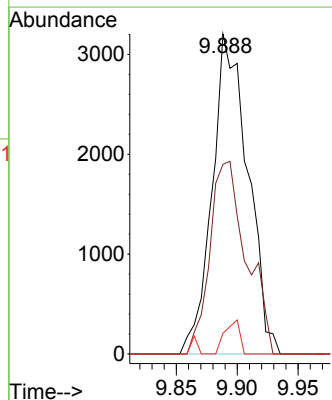
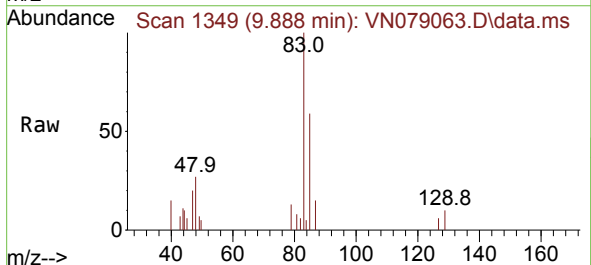
Instrument :
MSVOA_N
ClientSampleId :

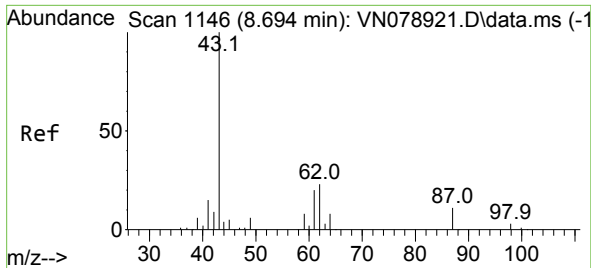
Tgt Ion: 83 Resp: 6531
Ion Ratio Lower Upper
83 100
55 0.0 40.2 120.6#
98 0.0 24.1 72.3#



#41
Bromodichloromethane
Concen: 2.033 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Tgt Ion: 83 Resp: 6531
Ion Ratio Lower Upper
83 100
85 59.3 50.2 75.2
127 6.5 6.2 9.4

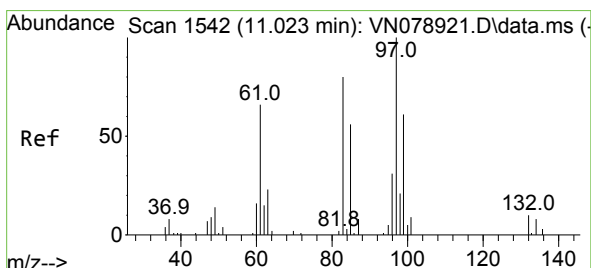
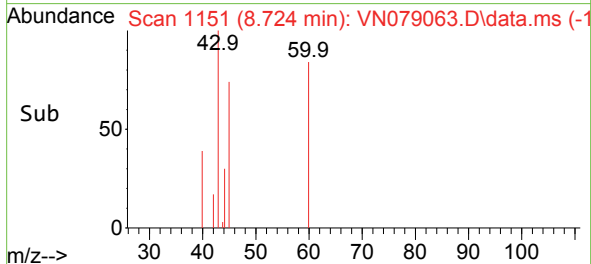
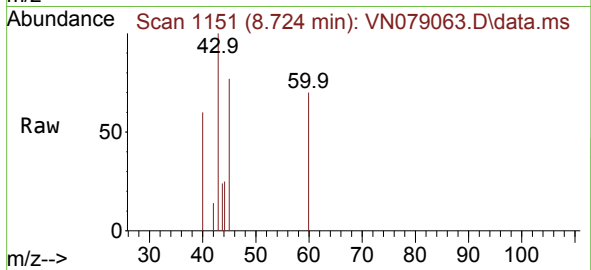




#44
Isopropyl Acetate
Concen: 0.280 ug/l
RT: 8.724 min Scan# 1146
Delta R.T. 0.029 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

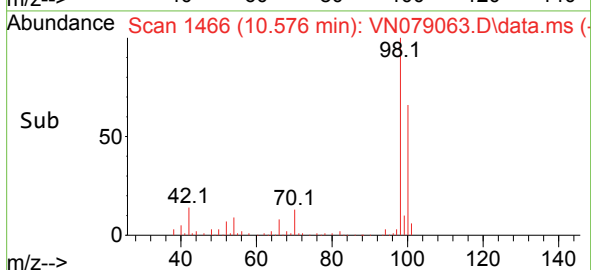
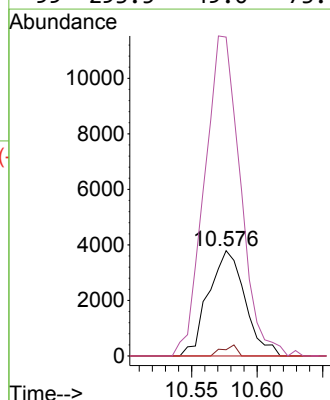
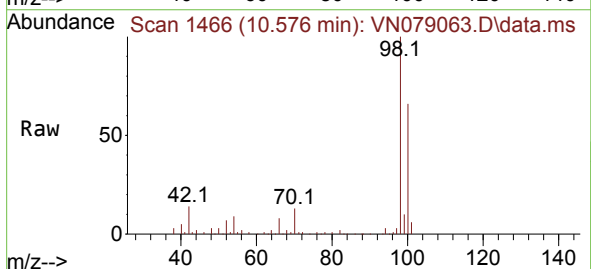
Instrument :
MSVOA_N
ClientSampleId :

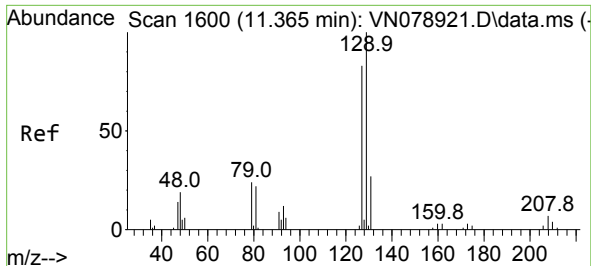
Tgt Ion: 43 Resp: 1654
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#



#50
1,1,2-Trichloroethane
Concen: 3.408 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

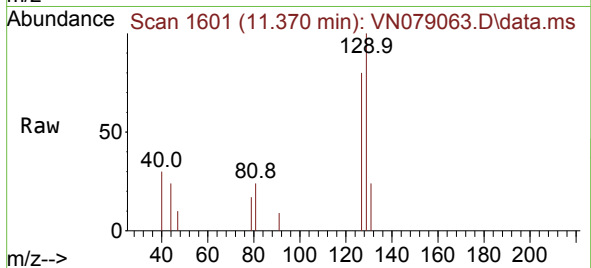
Tgt Ion: 97 Resp: 7355
Ion Ratio Lower Upper
97 100
83 6.0 63.7 95.5#
85 0.0 44.9 67.3#
99 293.5 49.0 73.4#



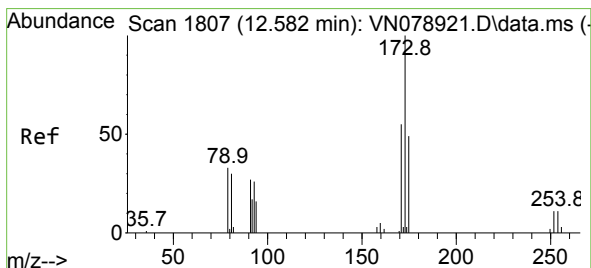
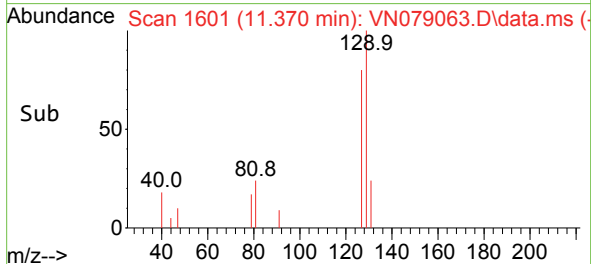
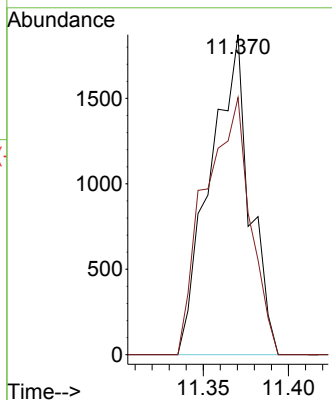


#53
Dibromochloromethane
Concen: 1.277 ug/l
RT: 11.370 min Scan# 1601
Delta R.T. 0.006 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Instrument :
MSVOA_N
ClientSampleId :

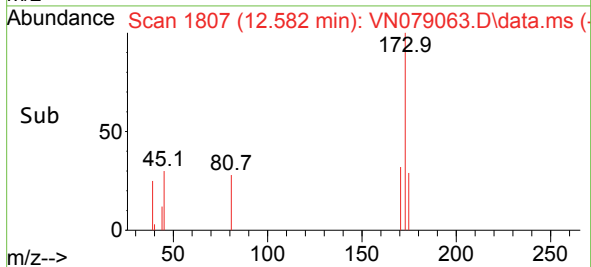
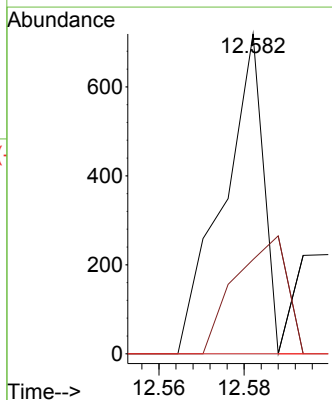
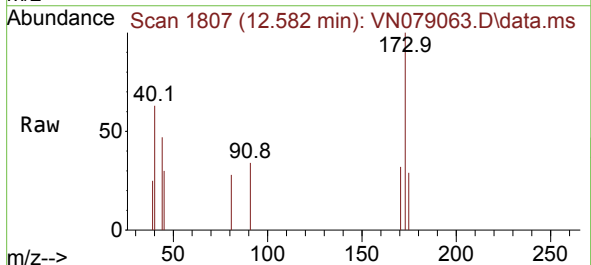


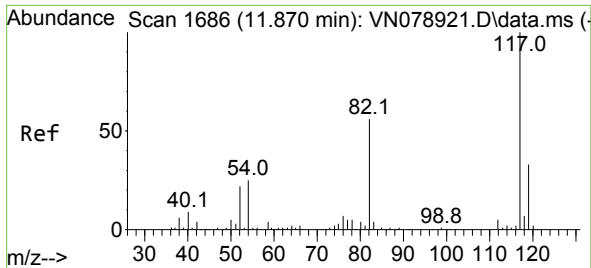
Tgt Ion:129 Resp: 3017
Ion Ratio Lower Upper
129 100
127 91.8 40.1 120.2



#56
Bromoform
Concen: 0.281 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

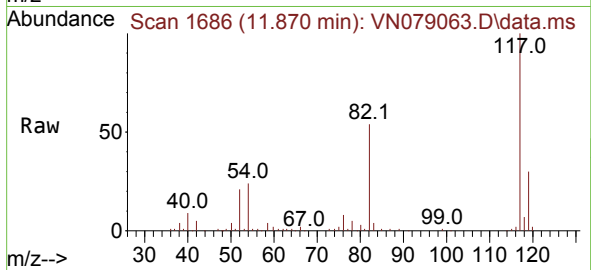
Tgt Ion:173 Resp: 468
Ion Ratio Lower Upper
173 100
175 47.6 38.8 58.2
254 0.0 7.6 11.4#



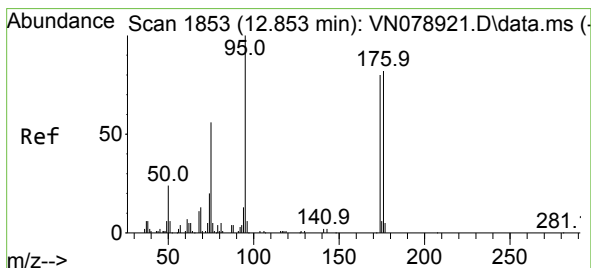
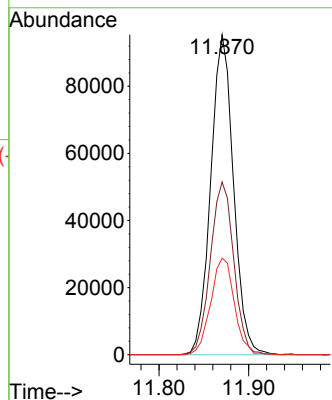
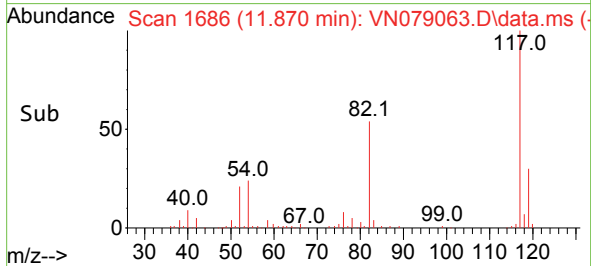


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Instrument :
MSVOA_N
ClientSampleId :

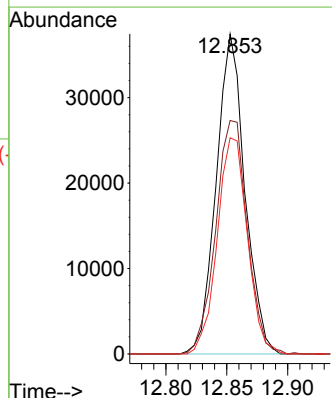
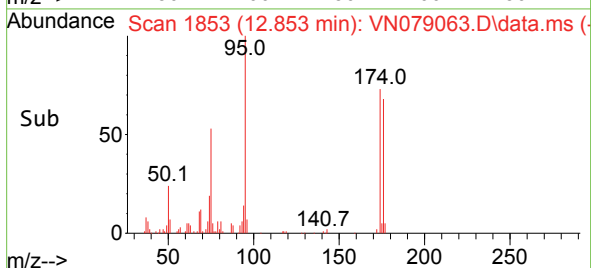
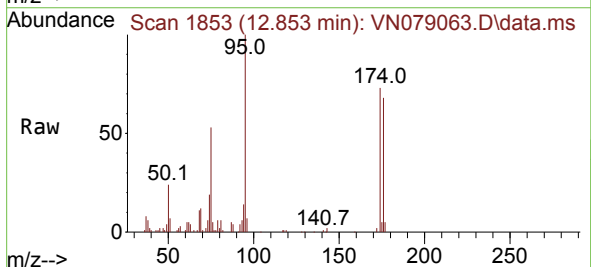


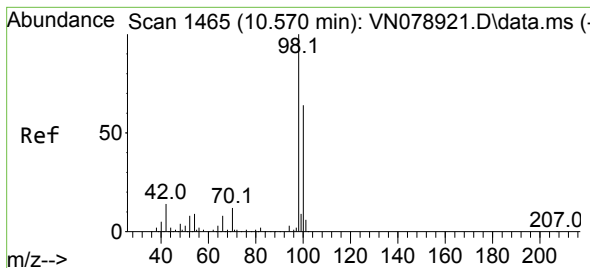
Tgt Ion:117 Resp: 167937
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 31.2 25.5 38.3



#60
4-Bromofluorobenzene
Concen: 25.038 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

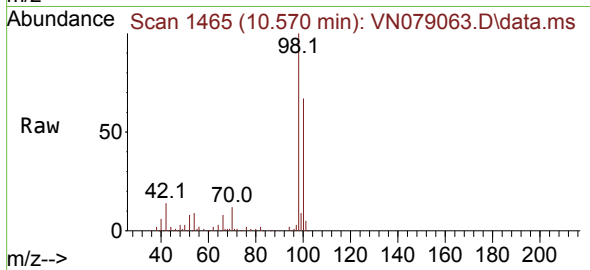
Tgt Ion: 95 Resp: 61337
Ion Ratio Lower Upper
95 100
174 80.2 64.8 97.2
176 71.0 63.0 94.6



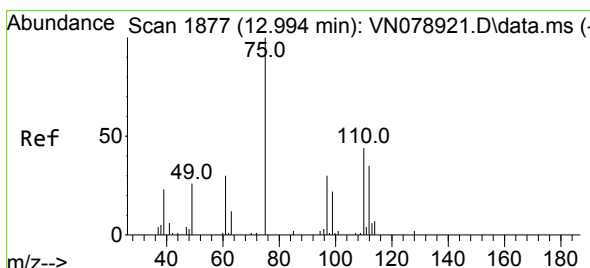
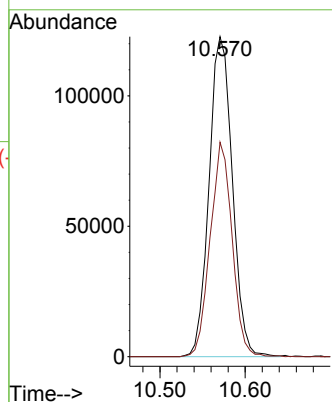
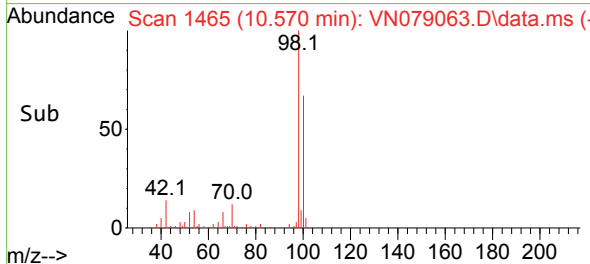


#63
Toluene-d8
Concen: 29.724 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

Instrument :
MSVOA_N
ClientSampleId :

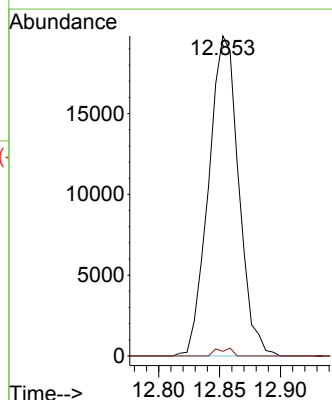
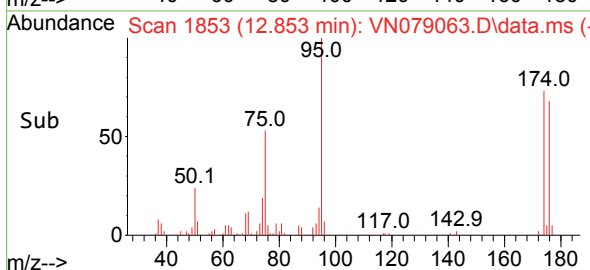
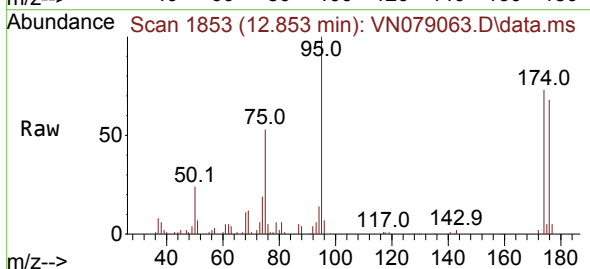


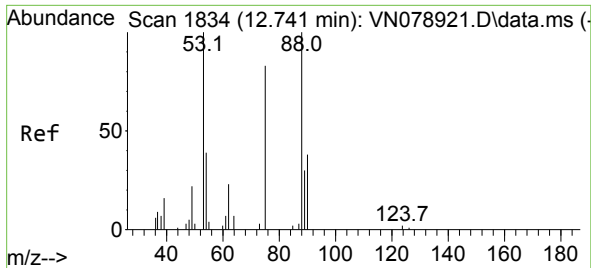
Tgt Ion: 98 Resp: 233109
Ion Ratio Lower Upper
98 100
100 63.0 51.1 76.7



#72
1,2,3-Trichloropropane
Concen: 12.922 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079063.D
Acq: 28 Aug 2023 13:32

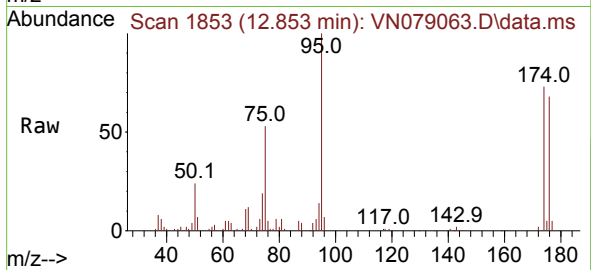
Tgt Ion: 75 Resp: 33950
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.773 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079063.D
 Acq: 28 Aug 2023 13:32

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 33950
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.1 180.3#
 89 0.0 22.9 68.8#

