

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082823\
 Data File : VN079076.D
 Acq On : 28 Aug 2023 18:56
 Operator : JC\MD
 Sample : 04205-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 05:22:29 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)

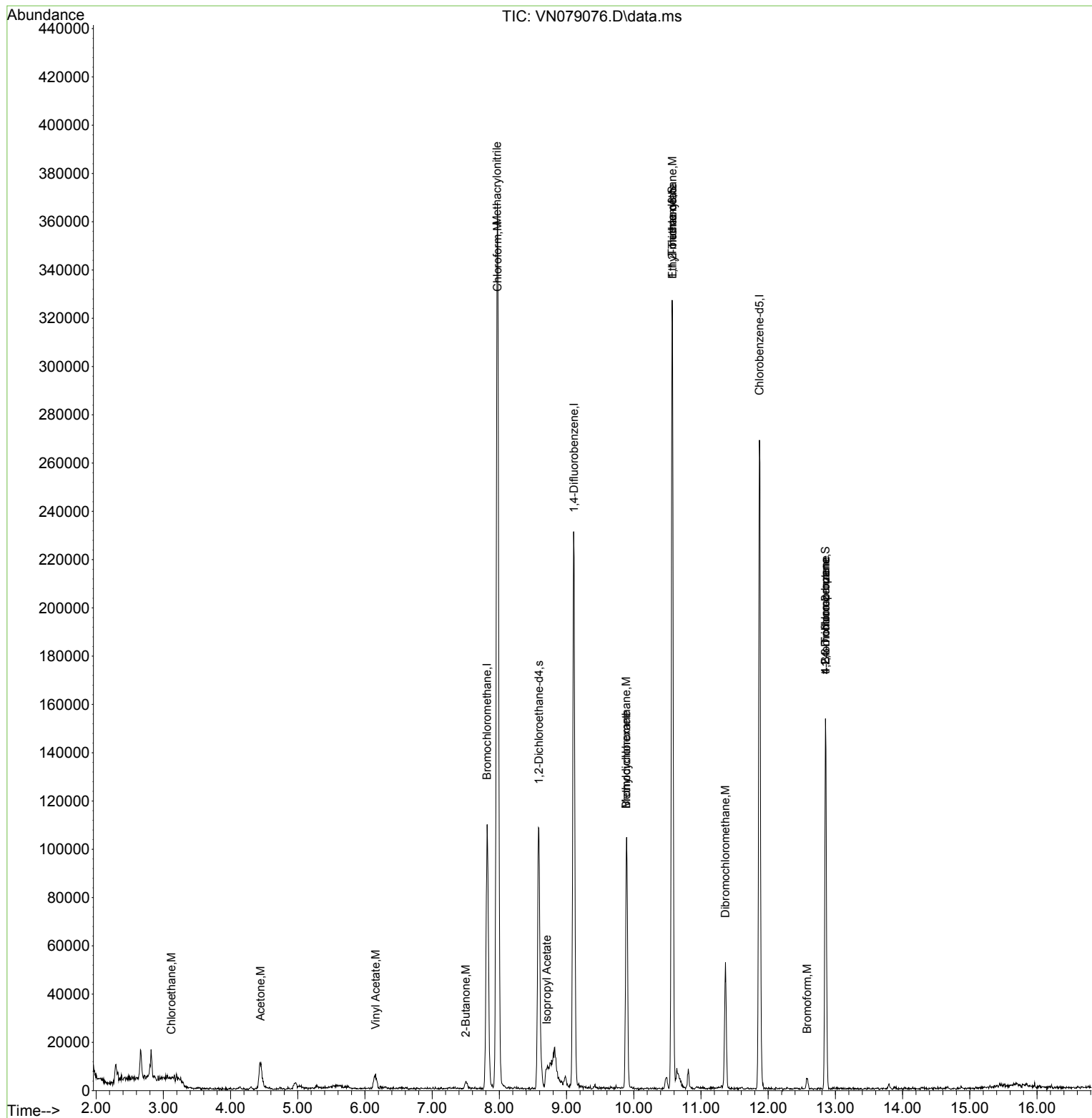
Internal Standards						
1) Bromochloromethane	7.818	128	36282	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	193099	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	152130	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	89139	30.326	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	= 101.100%		
60) 4-Bromofluorobenzene	12.853	95	50993	22.979	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	= 76.600%		
63) Toluene-d8	10.571	98	225852	31.791	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	= 105.967%		
Target Compounds						Qvalue
6) Chloroethane	3.118	64	932	0.528	ug/l #	44
15) Acetone	4.447	58	3894	10.720	ug/l	100
25) Chloroform	7.971	83	347747	81.189	ug/l	94
30) 2-Butanone	7.500	43	3563	2.072	ug/l #	78
35) Methacrylonitrile	7.965	41	811	0.442	ug/l #	26
38) Methylcyclohexane	9.888	83	69451	26.855	ug/l #	16
41) Bromodichloromethane	9.888	83	69451	21.729	ug/l	93
42) Vinyl Acetate	6.159	43	2636	0.544	ug/l #	75
44) Isopropyl Acetate	8.706	43	6406	1.090	ug/l	98
50) 1,1,2-Trichloroethane	10.576	97	6852	3.190	ug/l #	1
51) Ethyl methacrylate	10.576	69	747	0.225	ug/l #	57
53) Dibromochloromethane	11.365	129	26048	11.080	ug/l	97
56) Bromoform	12.582	173	1935	1.167	ug/l #	95
72) 1,2,3-Trichloropropane	12.853	75	28735	12.074	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	28735	32.489	ug/l #	3

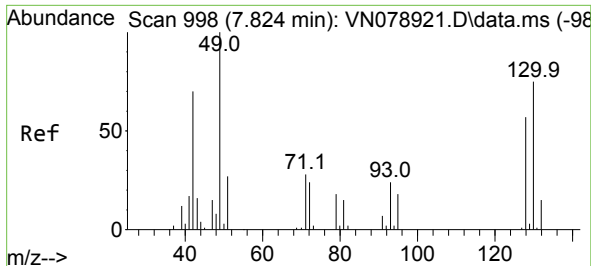
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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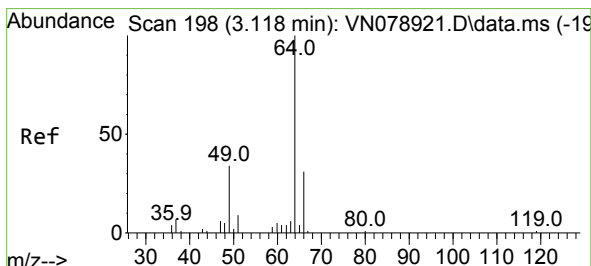
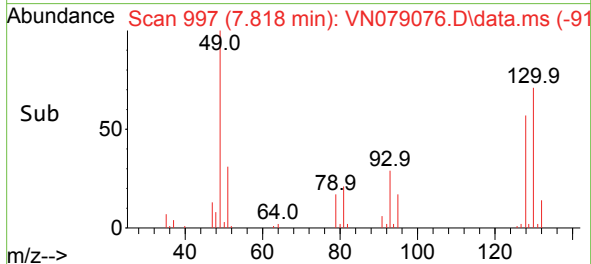
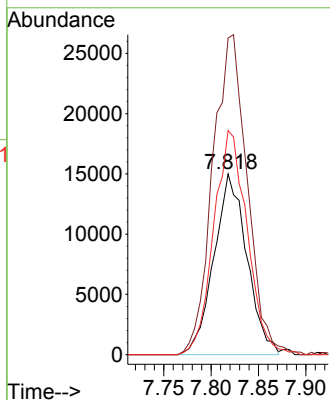
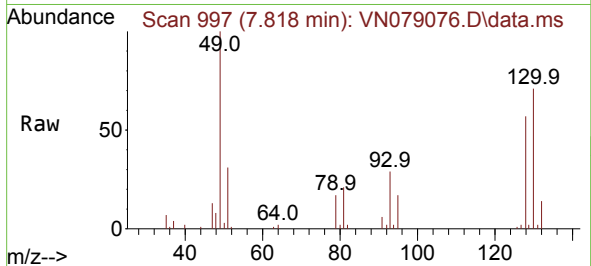




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

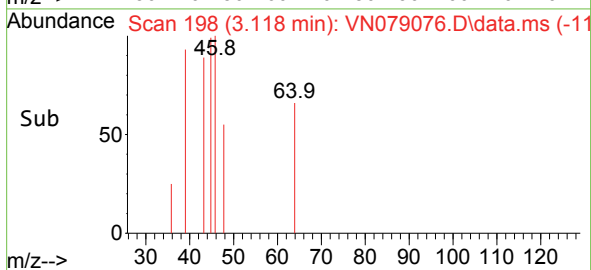
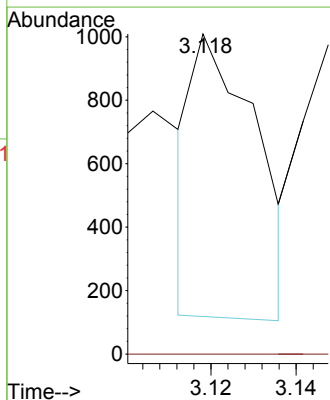
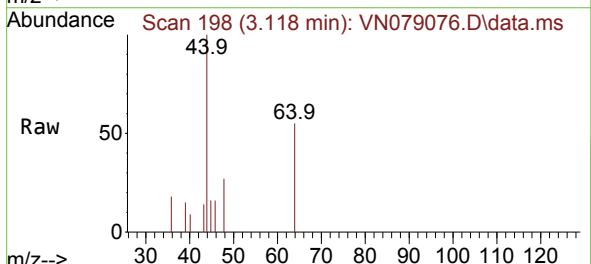
Instrument :
MSVOA_N
ClientSampleId :

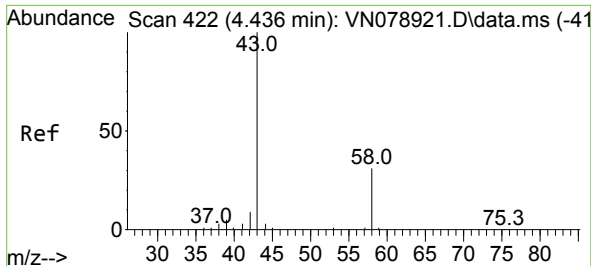
Tgt Ion:128 Resp: 36282
Ion Ratio Lower Upper
128 100
49 185.4 0.0 481.8
130 126.1 0.0 320.5



#6
Chloroethane
Concen: 0.528 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

Tgt Ion: 64 Resp: 932
Ion Ratio Lower Upper
64 100
66 0.0 24.9 37.3#

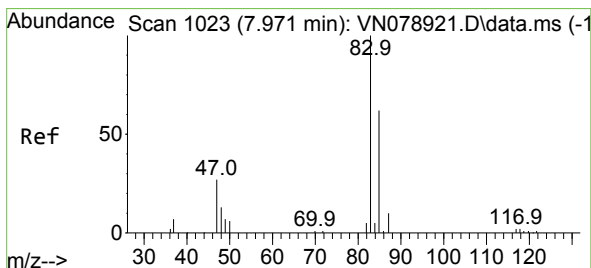
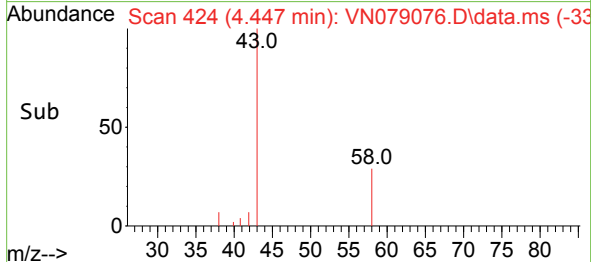
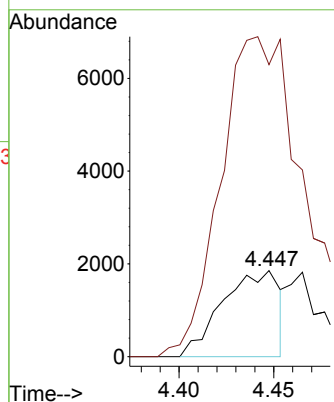
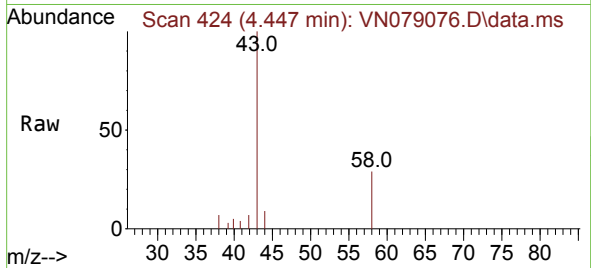




#15
Acetone
Concen: 10.720 ug/l
RT: 4.447 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

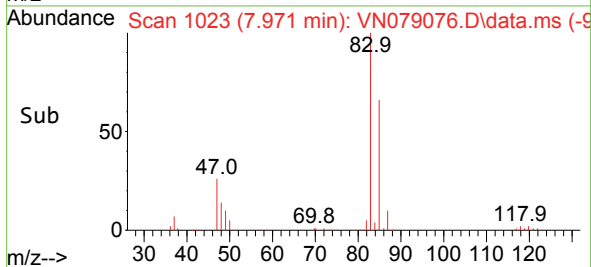
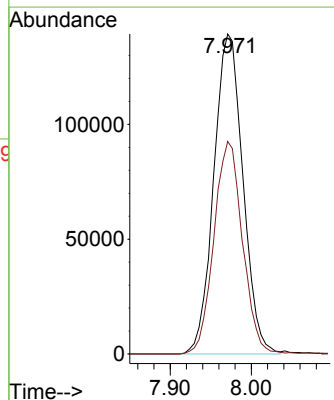
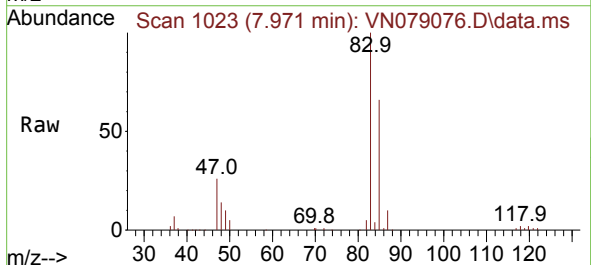
Instrument :
MSVOA_N
ClientSampleId :

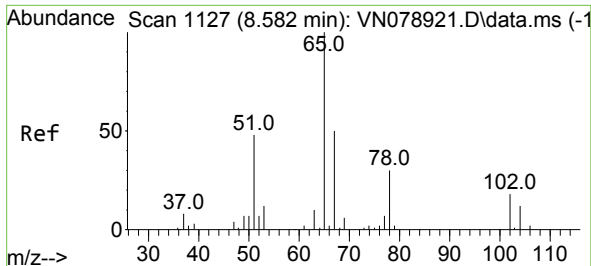
Tgt Ion: 58 Resp: 3894
Ion Ratio Lower Upper
58 100
43 325.3 260.6 390.8



#25
Chloroform
Concen: 81.189 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

Tgt Ion: 83 Resp: 347747
Ion Ratio Lower Upper
83 100
85 66.4 49.6 74.4





#27

1,2-Dichloroethane-d4

Concen: 30.326 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

Instrument :

MSVOA_N

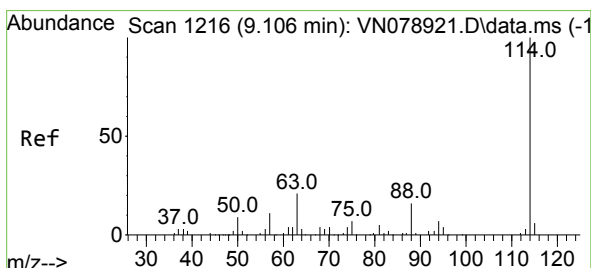
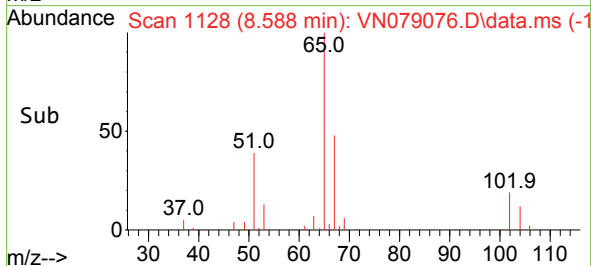
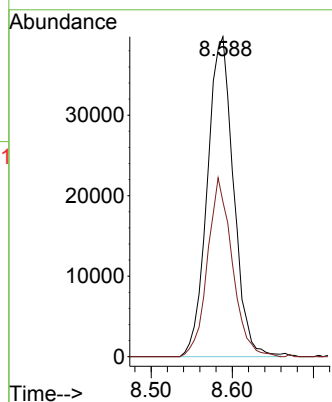
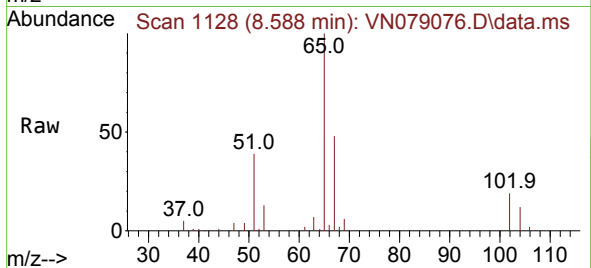
ClientSampleId :

Tgt Ion: 65 Resp: 89139

Ion Ratio Lower Upper

65 100

67 52.9 40.7 61.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

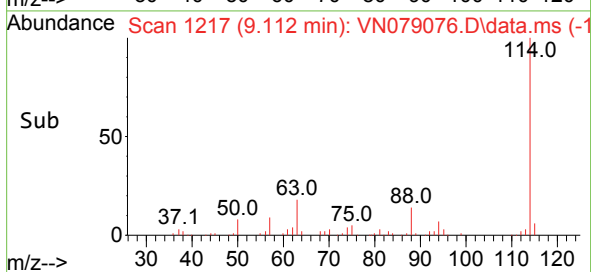
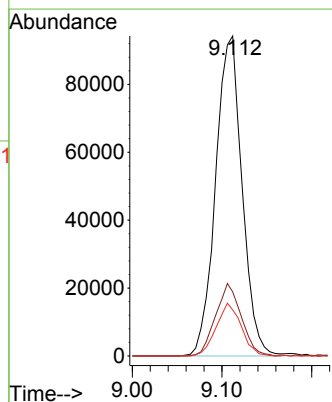
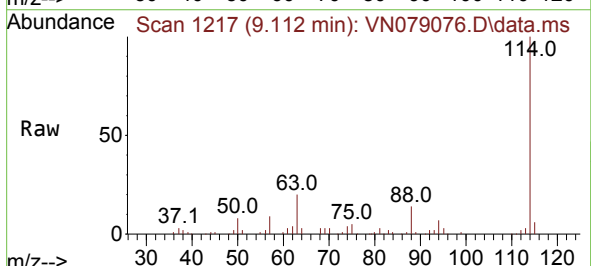
Tgt Ion: 114 Resp: 193099

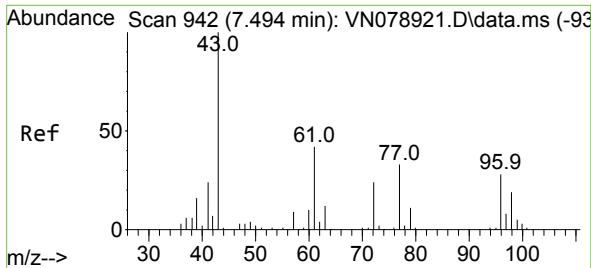
Ion Ratio Lower Upper

114 100

63 21.9 17.4 26.2

88 15.6 12.0 18.0

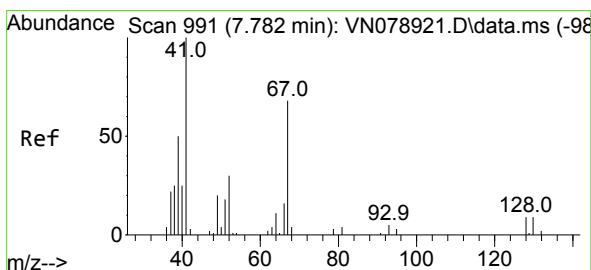
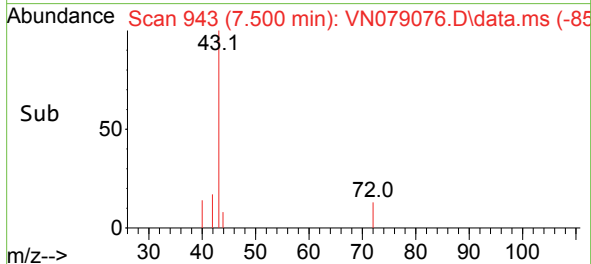
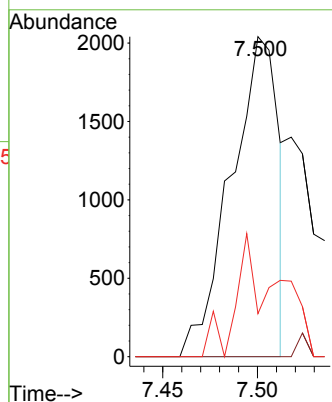
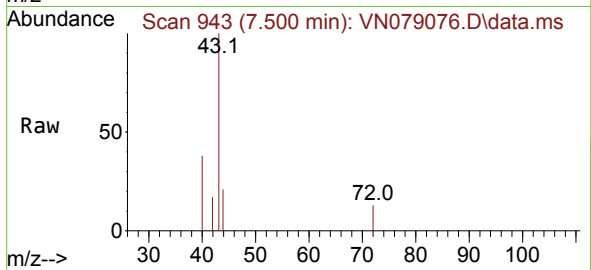




#30
2-Butanone
Concen: 2.072 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

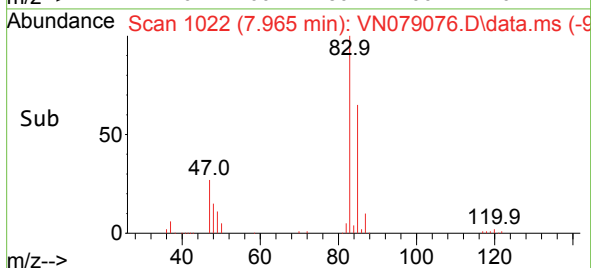
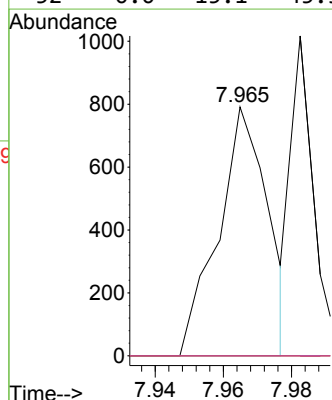
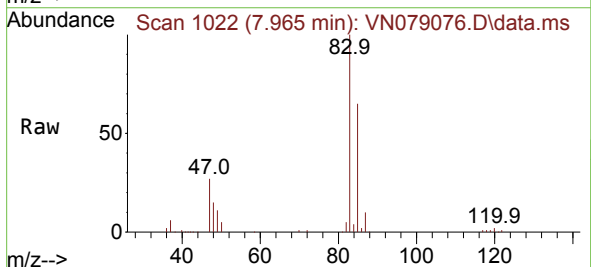
Instrument :
MSVOA_N
ClientSampleId :

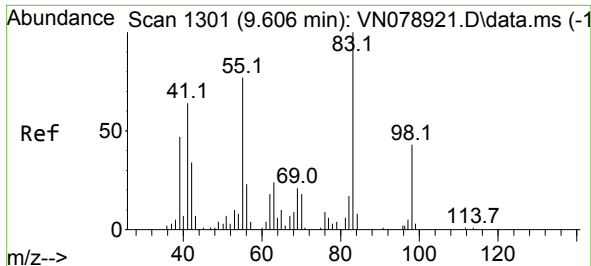
Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
57 0.0 6.2 9.4#
72 13.7 19.4 29.2#



#35
Methacrylonitrile
Concen: 0.442 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.182 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

Tgt Ion: 41 Resp: 811
Ion Ratio Lower Upper
41 100
39 0.0 25.0 75.0#
67 0.0 34.0 102.0#
52 0.0 15.1 45.3#

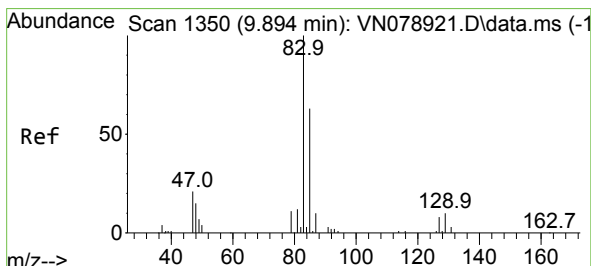
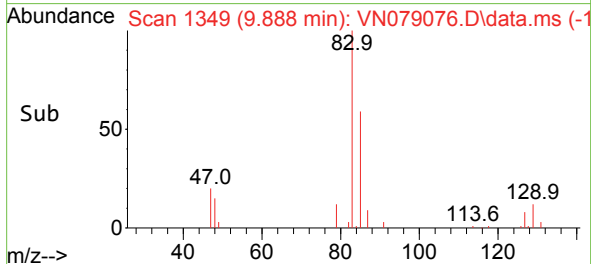
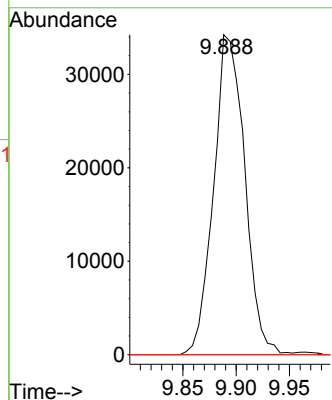
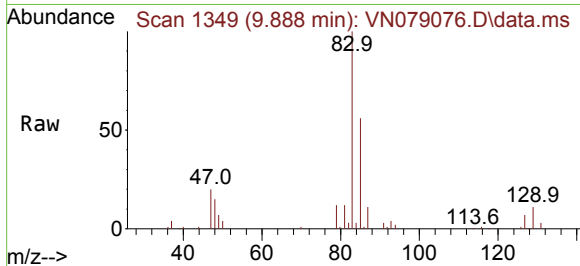




#38
Methylcyclohexane
Concen: 26.855 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.282 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

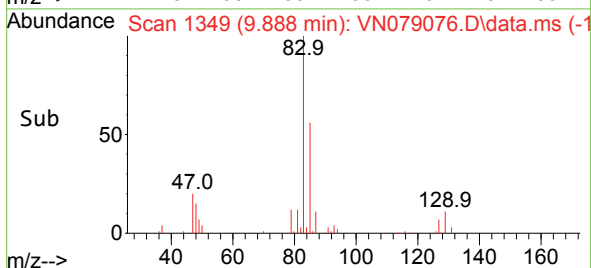
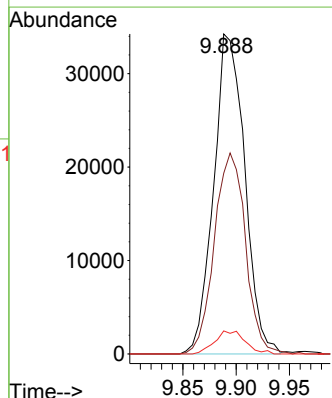
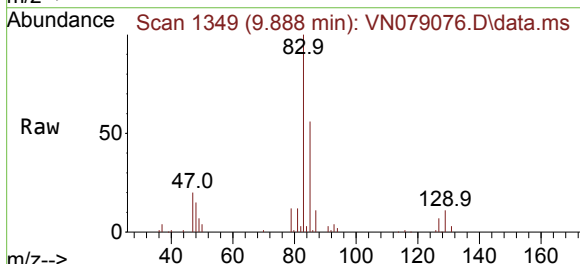
Instrument :
MSVOA_N
ClientSampleId :

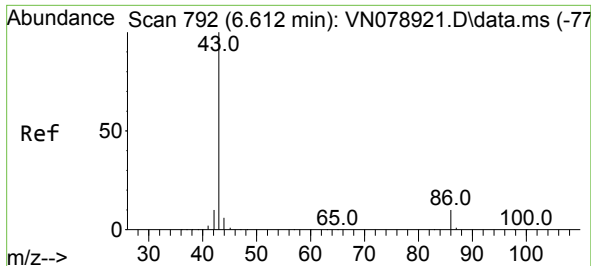
Tgt Ion: 83 Resp: 69451
Ion Ratio Lower Upper
83 100
55 0.0 40.2 120.6#
98 0.0 24.1 72.3#



#41
Bromodichloromethane
Concen: 21.729 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

Tgt Ion: 83 Resp: 69451
Ion Ratio Lower Upper
83 100
85 56.5 50.2 75.2
127 7.7 6.2 9.4

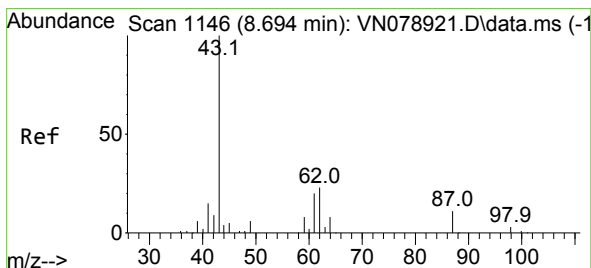
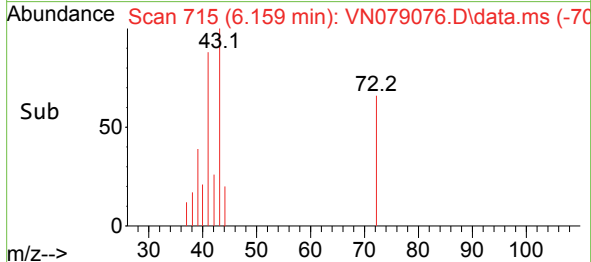
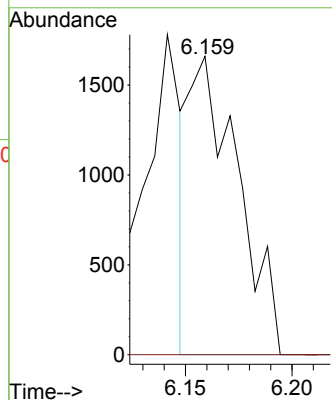
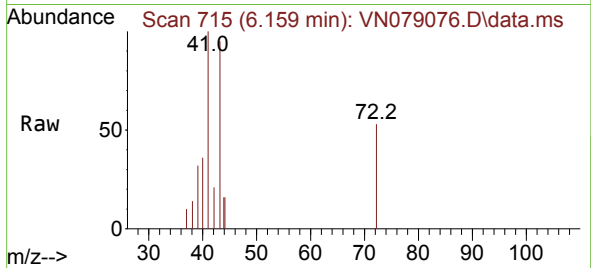




#42
 Vinyl Acetate
 Concen: 0.544 ug/l
 RT: 6.159 min Scan# 715
 Delta R.T. -0.453 min
 Lab File: VN079076.D
 Acq: 28 Aug 2023 18:56

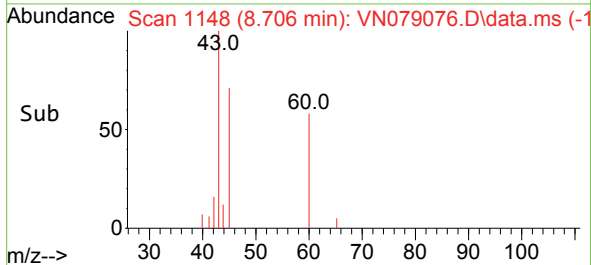
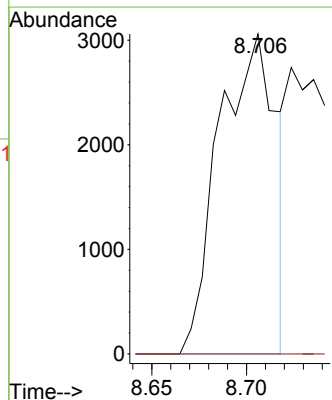
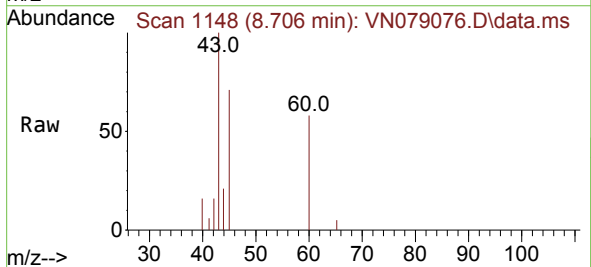
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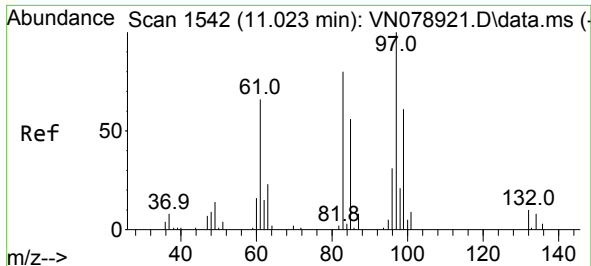
Tgt Ion: 43 Resp: 2636
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.4 11.0#



#44
 Isopropyl Acetate
 Concen: 1.090 ug/l
 RT: 8.706 min Scan# 1148
 Delta R.T. 0.012 min
 Lab File: VN079076.D
 Acq: 28 Aug 2023 18:56

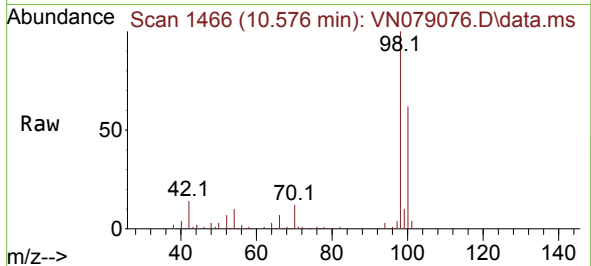
Tgt Ion: 43 Resp: 6406
 Ion Ratio Lower Upper
 43 100
 61 24.9 19.0 28.4



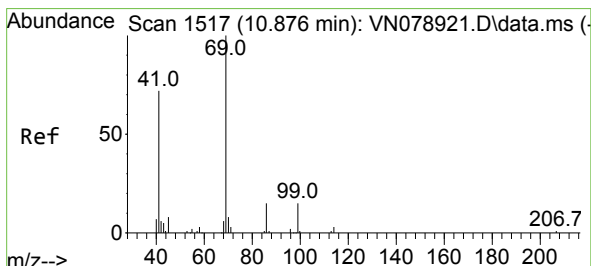
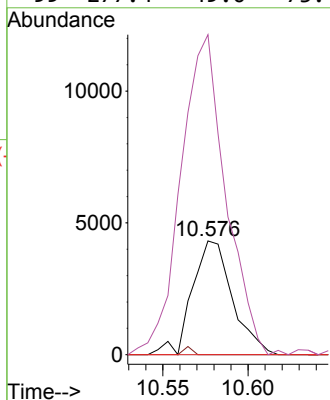
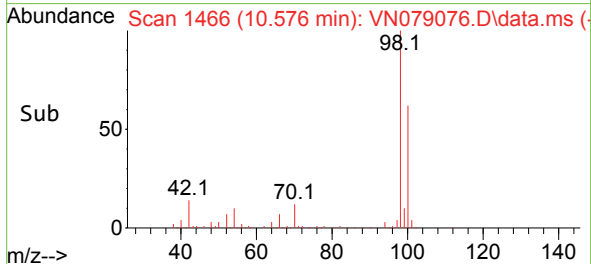


#50
1,1,2-Trichloroethane
Concen: 3.190 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.447 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56

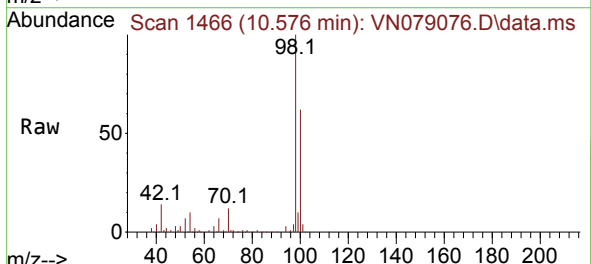
Instrument :
MSVOA_N
ClientSampleId :



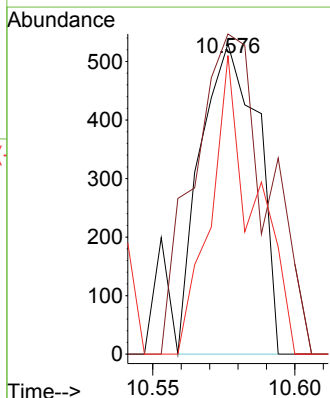
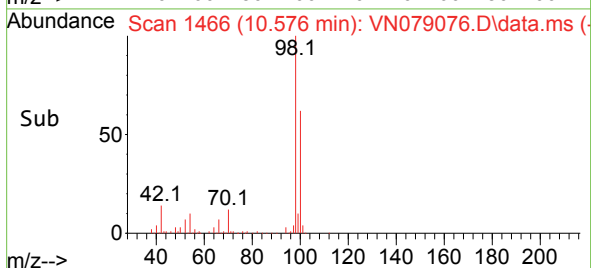
Tgt Ion: 97	Resp: 6852
Ion Ratio	Lower Upper
97 100	
83 0.0	63.7 95.5#
85 0.0	44.9 67.3#
99 277.4	49.0 73.4#

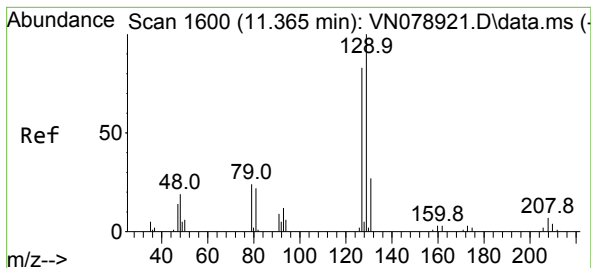


#51
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.300 min
Lab File: VN079076.D
Acq: 28 Aug 2023 18:56



Tgt Ion: 69	Resp: 747
Ion Ratio	Lower Upper
69 100	
41 53.0	35.9 107.8
39 96.2	23.5 70.5#





#53

Dibromochloromethane

Concen: 11.080 ug/l

RT: 11.365 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

Instrument :

MSVOA_N

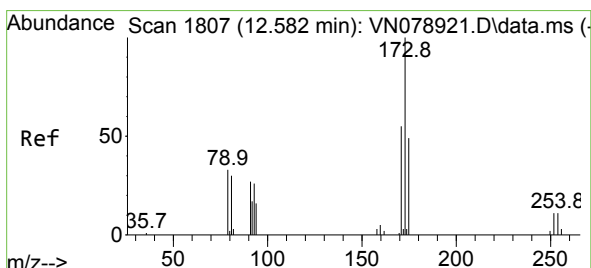
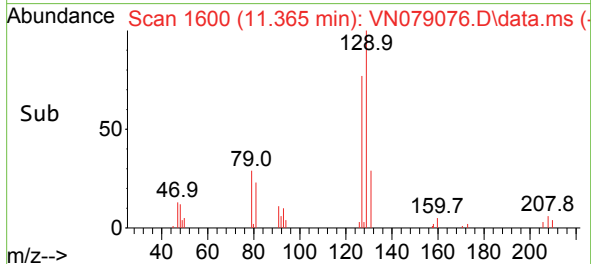
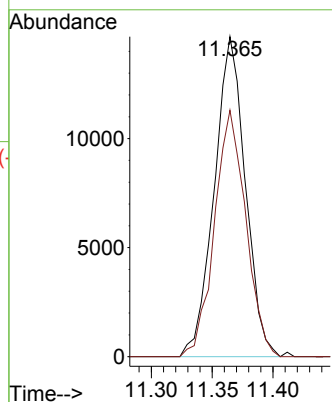
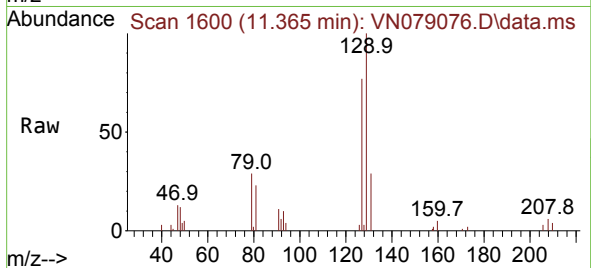
ClientSampleId :

Tgt Ion:129 Resp: 26048

Ion Ratio Lower Upper

129 100

127 77.6 40.1 120.2



#56

Bromoform

Concen: 1.167 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

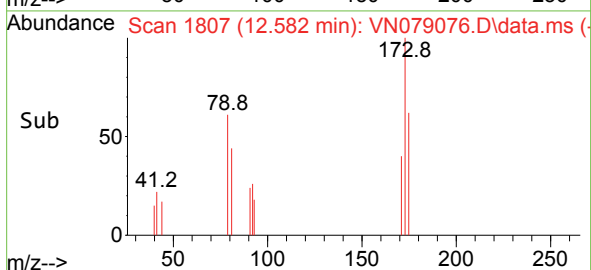
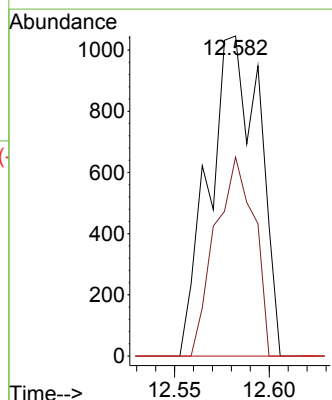
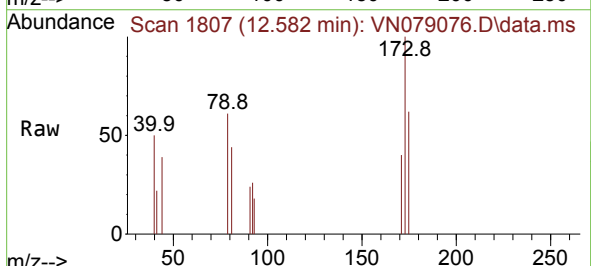
Tgt Ion:173 Resp: 1935

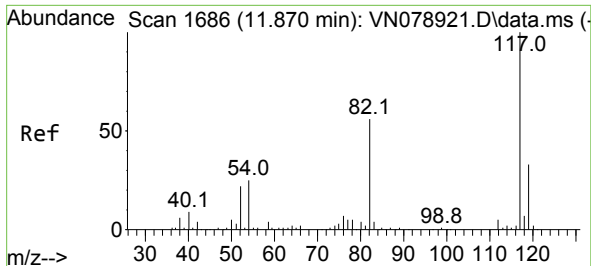
Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 0.0 7.6 11.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

Instrument :

MSVOA_N

ClientSampleId :

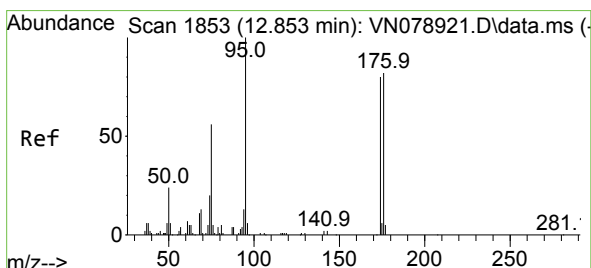
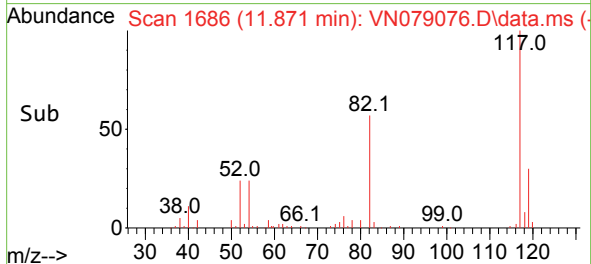
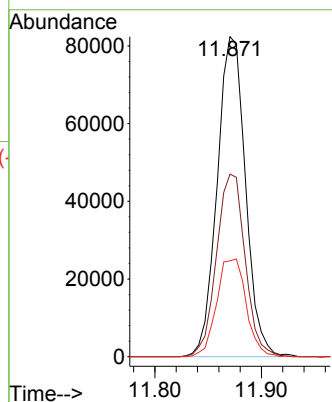
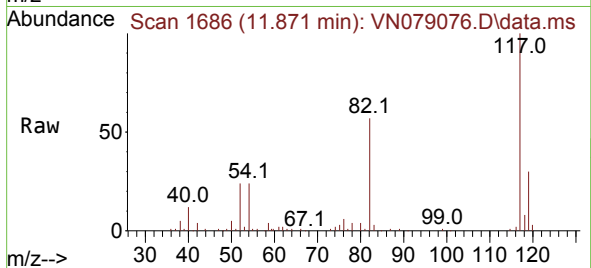
Tgt Ion:117 Resp: 152130

Ion Ratio Lower Upper

117 100

82 57.8 43.4 65.0

119 31.8 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 22.979 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

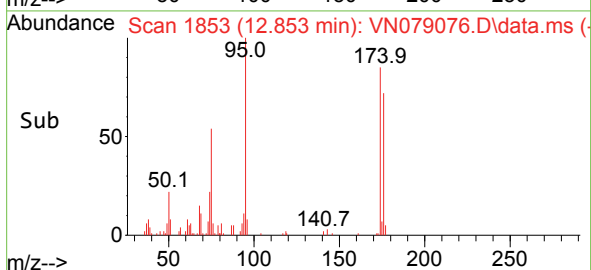
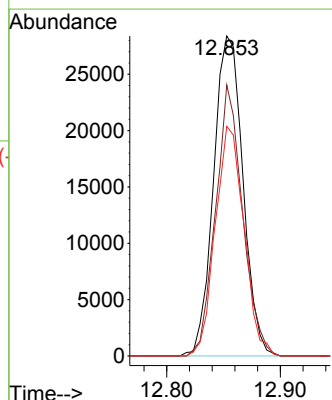
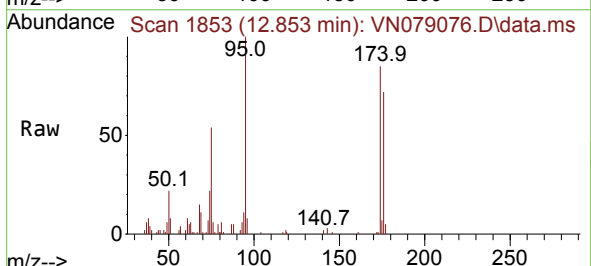
Tgt Ion: 95 Resp: 50993

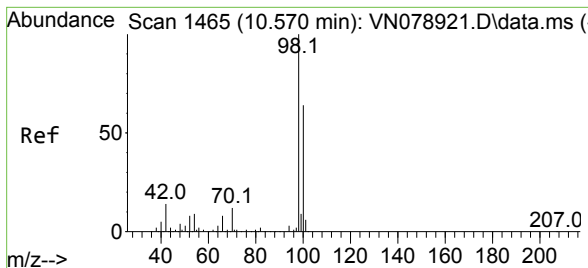
Ion Ratio Lower Upper

95 100

174 77.8 64.8 97.2

176 70.2 63.0 94.6





#63

Toluene-d8

Concen: 31.791 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

Instrument :

MSVOA_N

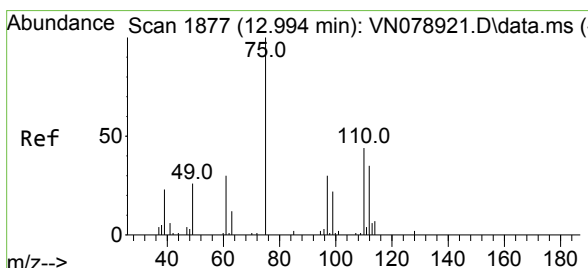
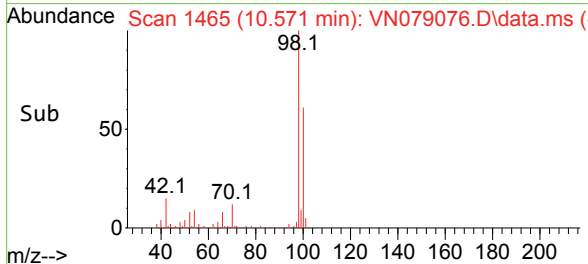
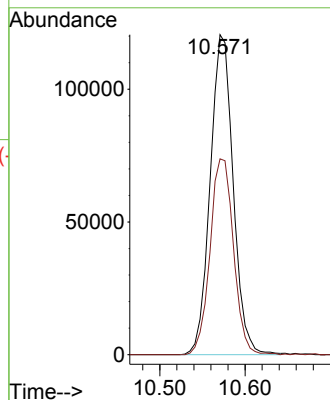
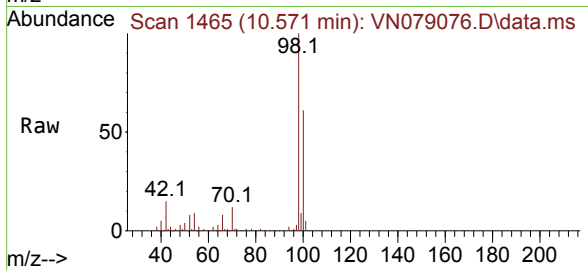
ClientSampleId :

Tgt Ion: 98 Resp: 225852

Ion Ratio Lower Upper

98 100

100 62.5 51.1 76.7



#72

1,2,3-Trichloropropane

Concen: 12.074 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079076.D

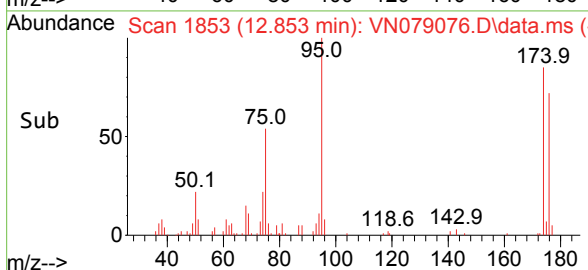
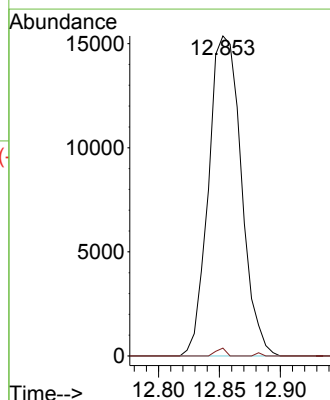
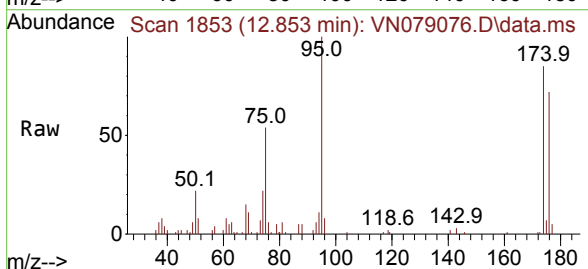
Acq: 28 Aug 2023 18:56

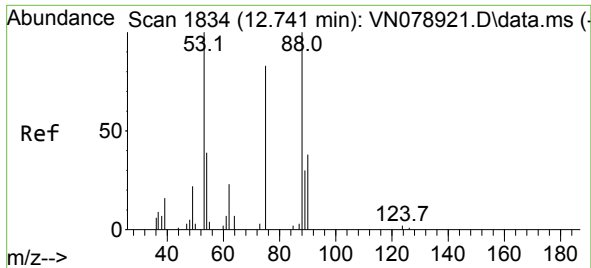
Tgt Ion: 75 Resp: 28735

Ion Ratio Lower Upper

75 100

77 0.7 0.0 367.4





#77

t-1,4-Dichloro-2-butene

Concen: 32.489 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.112 min

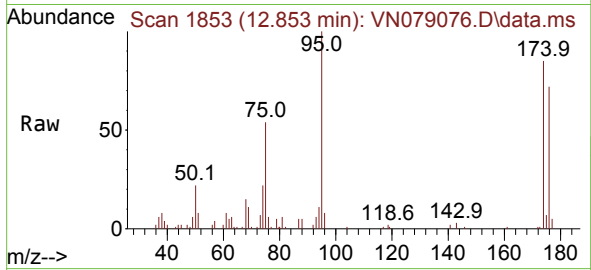
Lab File: VN079076.D

Acq: 28 Aug 2023 18:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 28735

Ion Ratio Lower Upper

75 100

53 0.0 60.1 180.3#

89 0.0 22.9 68.8#

