

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079198.D
 Acq On : 08 Sep 2023 15:29
 Operator : JC\MD
 Sample : 04299-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:16:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

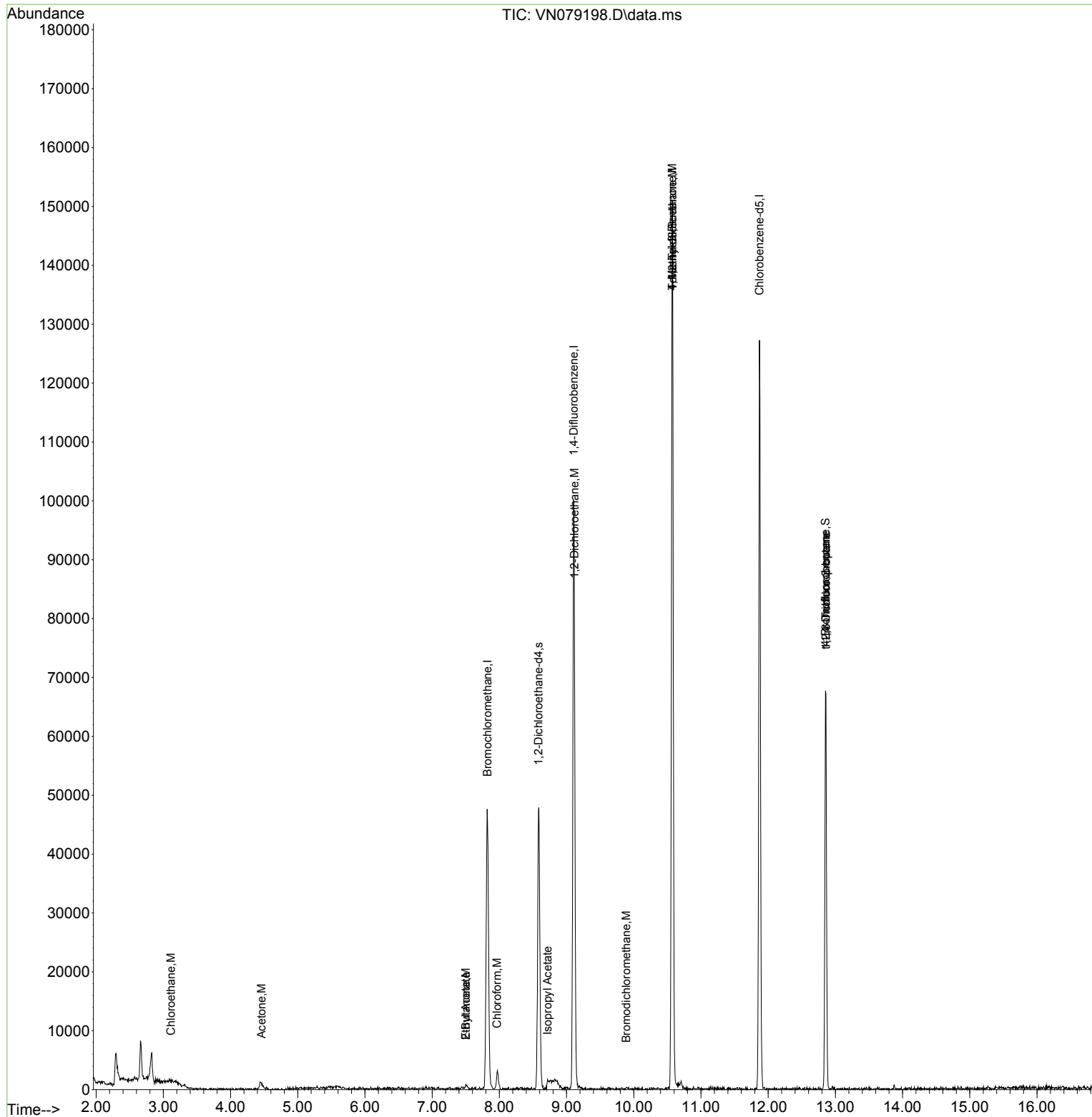
Internal Standards						
1) Bromochloromethane	7.824	128	17736	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	87722	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	75617	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	40096	30.090	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.300%
60) 4-Bromofluorobenzene	12.853	95	23483	21.077	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.267%
63) Toluene-d8	10.576	98	108199	30.618	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.067%
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	385	0.641	ug/l #	50
15) Acetone	4.459	58	297	2.669	ug/l #	1
25) Chloroform	7.965	83	2088	0.988	ug/l	99
30) 2-Butanone	7.500	43	714	1.009	ug/l #	54
36) 1,2-Dichloroethane	9.118	62	3132	2.125	ug/l #	73
41) Bromodichloromethane	9.888	83	336	0.222	ug/l #	24
43) Ethyl Acetate	7.500	43	714	0.531	ug/l #	66
44) Isopropyl Acetate	8.718	43	846	0.350	ug/l #	2
50) 1,1,2-Trichloroethane	10.576	97	3471	3.255	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	302	0.218	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	12621	9.806	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	12621	27.853	ug/l #	14

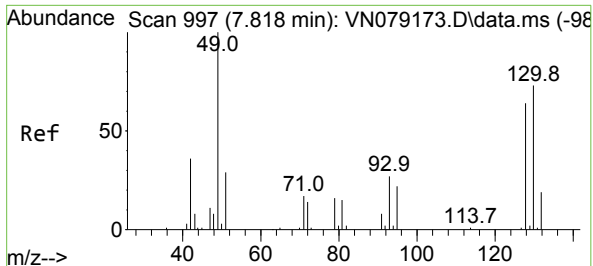
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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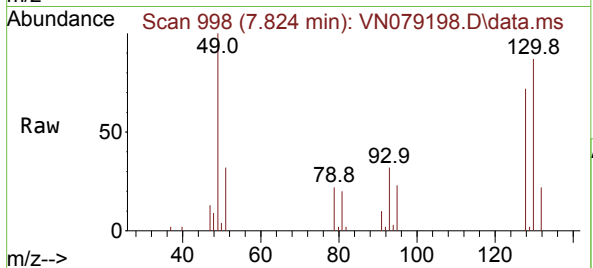
Quant Time: Sep 08 23:16:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
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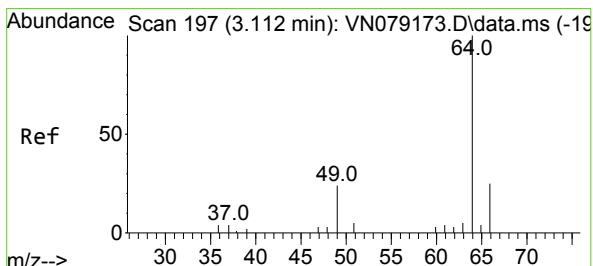
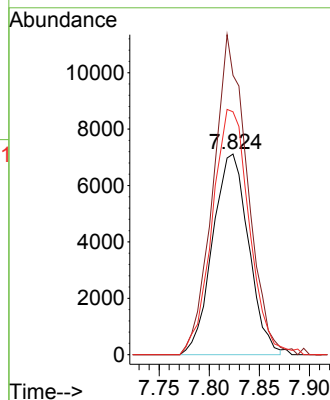
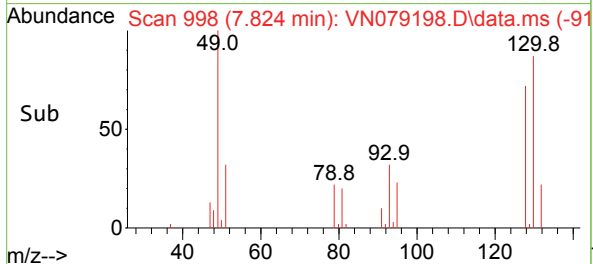


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

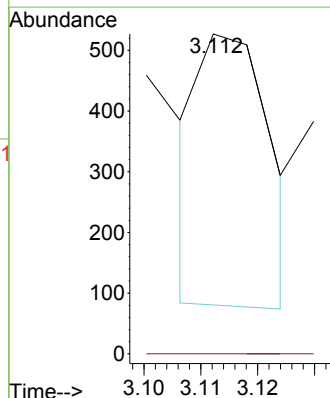
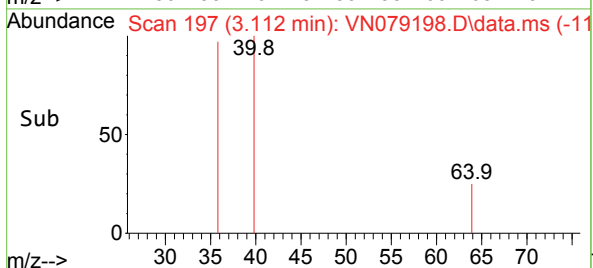
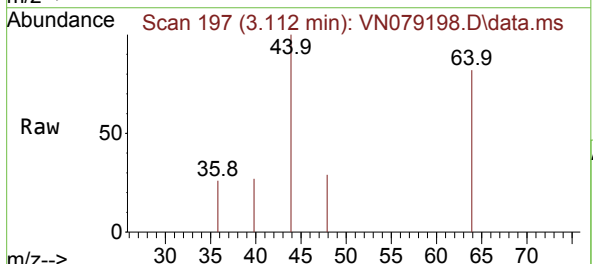


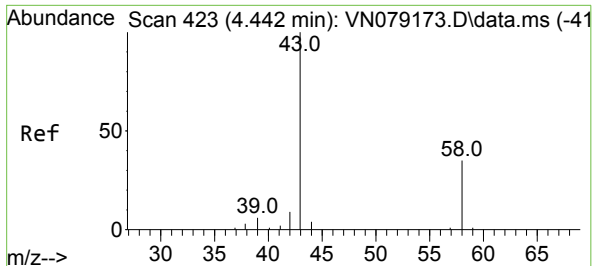
Tgt Ion:128 Resp: 17736
Ion Ratio Lower Upper
128 100
49 151.3 0.0 414.3
130 125.9 0.0 311.0



#6
Chloroethane
Concen: 0.641 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Tgt Ion: 64 Resp: 385
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#





#15

Acetone

Concen: 2.669 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN079198.D

Acq: 08 Sep 2023 15:29

Instrument :

MSVOA_N

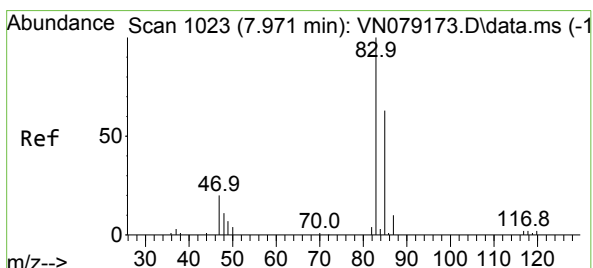
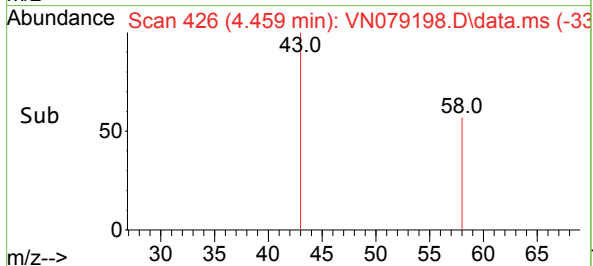
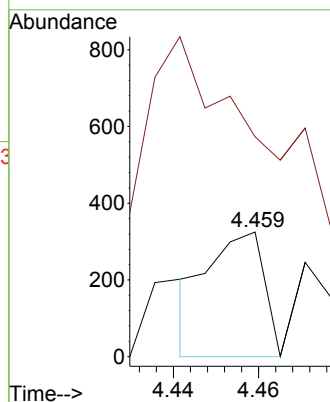
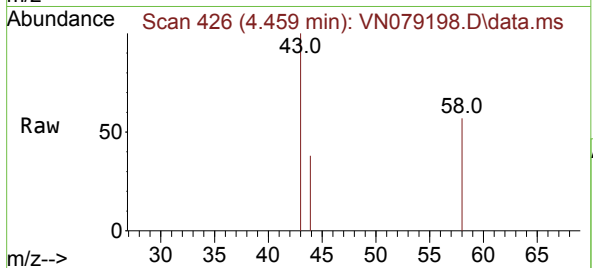
ClientSampleId :

Tgt Ion: 58 Resp: 297

Ion Ratio Lower Upper

58 100

43 18.8 228.3 342.5#



#25

Chloroform

Concen: 0.988 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VN079198.D

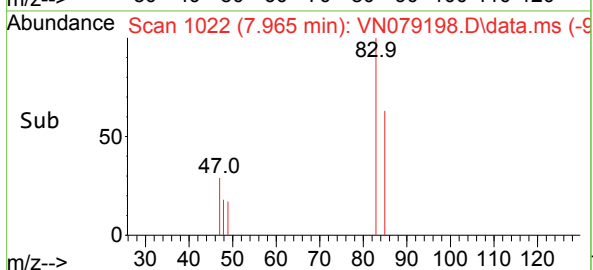
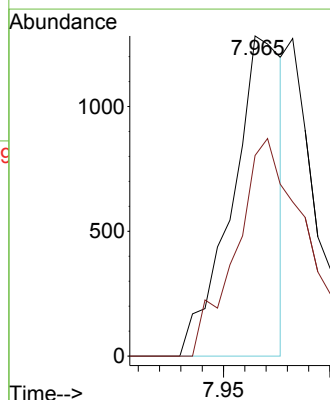
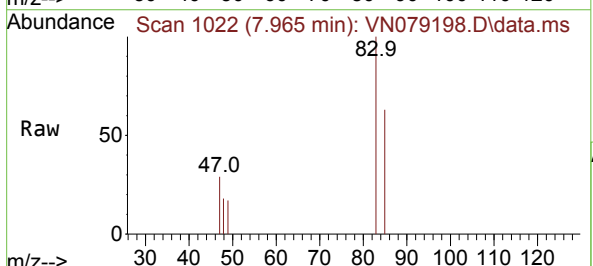
Acq: 08 Sep 2023 15:29

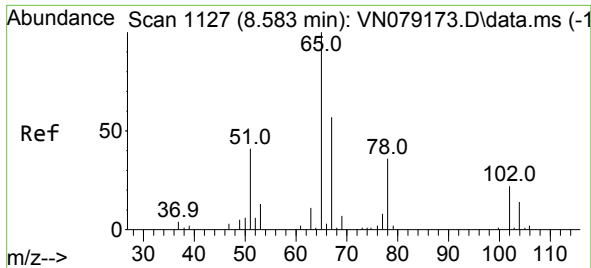
Tgt Ion: 83 Resp: 2088

Ion Ratio Lower Upper

83 100

85 62.7 50.6 76.0

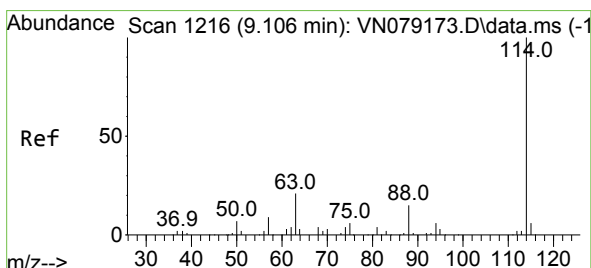
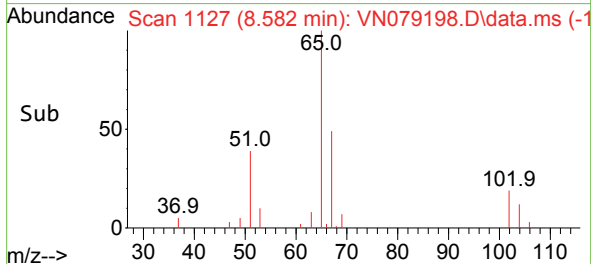
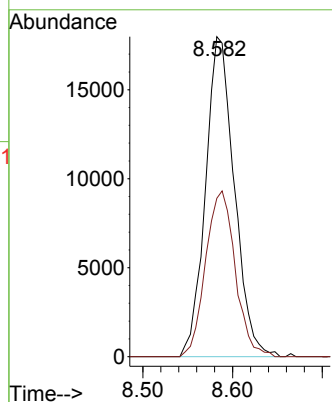
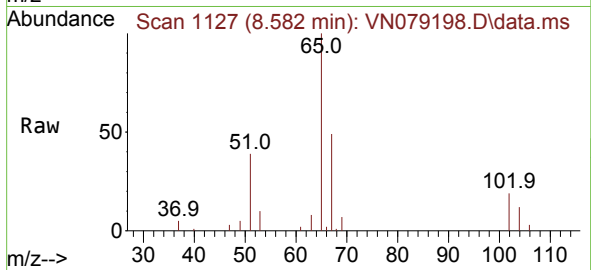




#27
1,2-Dichloroethane-d4
Concen: 30.090 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

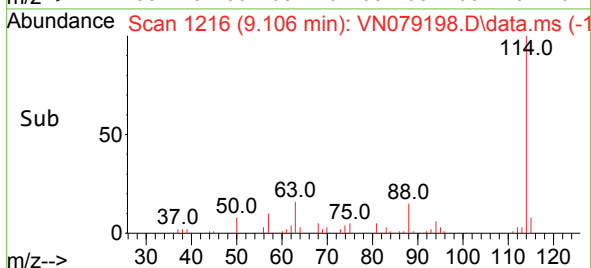
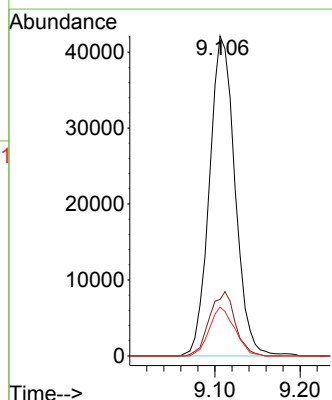
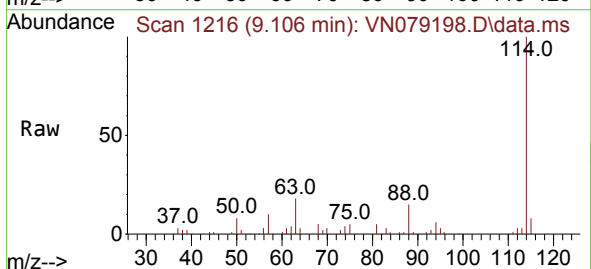
Instrument :
MSVOA_N
ClientSampleId :

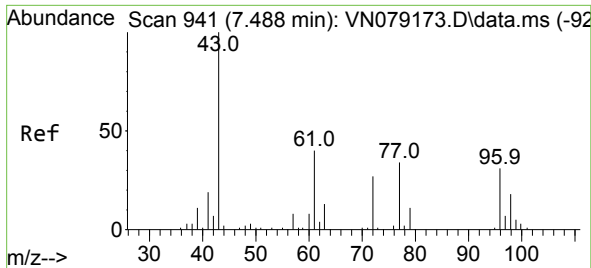
Tgt Ion: 65 Resp: 40096
Ion Ratio Lower Upper
65 100
67 53.2 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

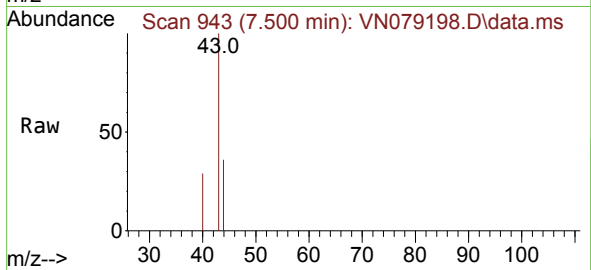
Tgt Ion: 114 Resp: 87722
Ion Ratio Lower Upper
114 100
63 20.2 17.0 25.4
88 15.1 12.8 19.2



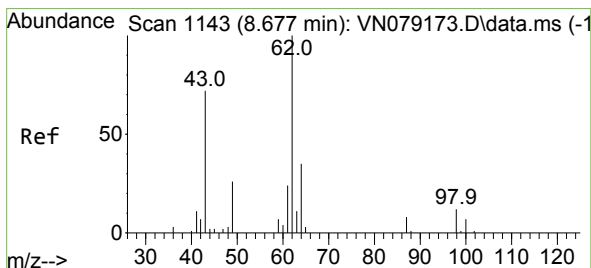
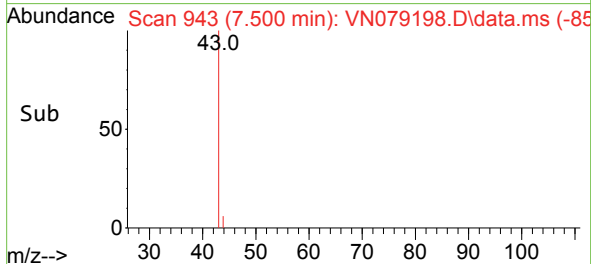
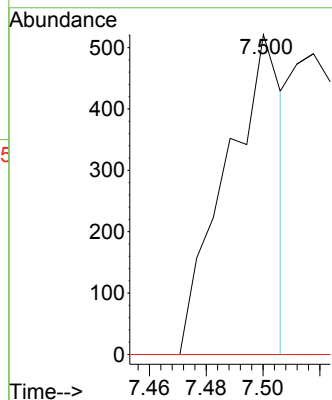


#30
2-Butanone
Concen: 1.009 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

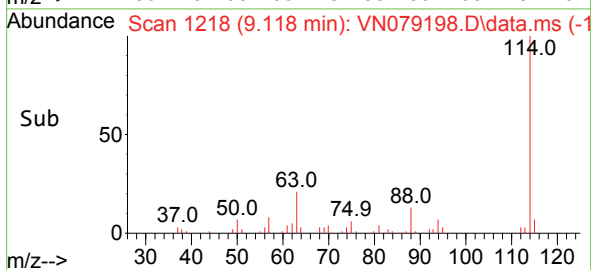
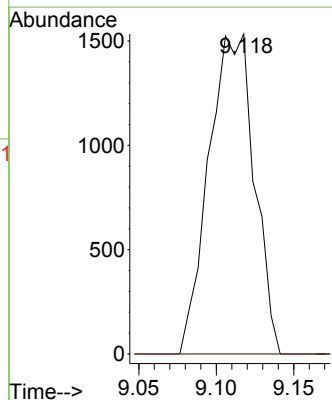
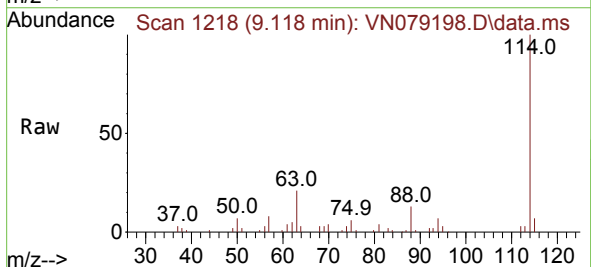


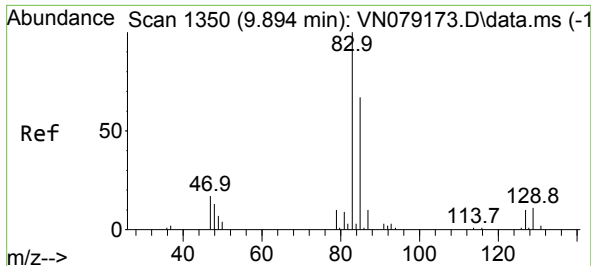
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 0.0 22.4 33.6#



#36
1,2-Dichloroethane
Concen: 2.125 ug/l
RT: 9.118 min Scan# 1218
Delta R.T. 0.441 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

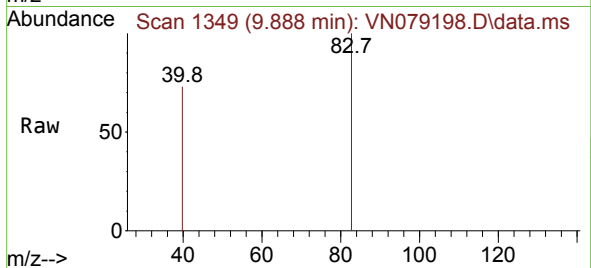
Tgt Ion: 62 Resp: 3132
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



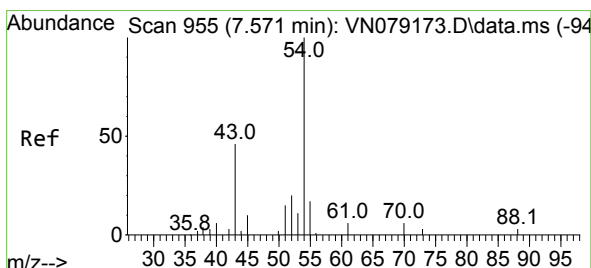
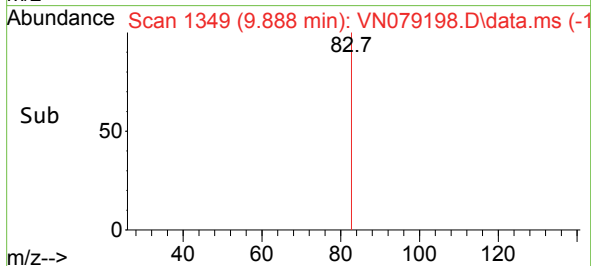
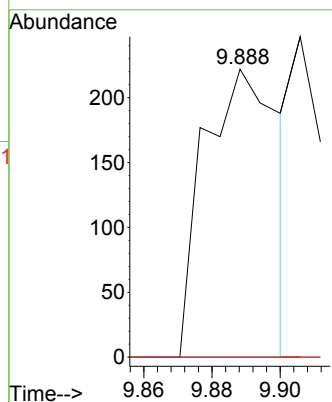


#41
Bromodichloromethane
Concen: 0.222 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Instrument :
MSVOA_N
ClientSampleId :

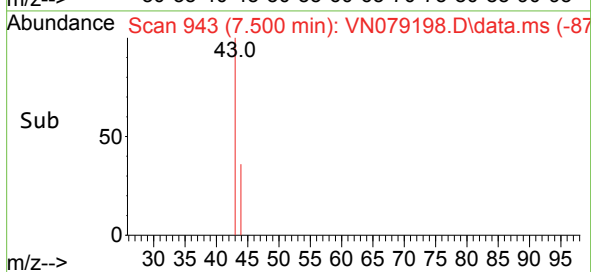
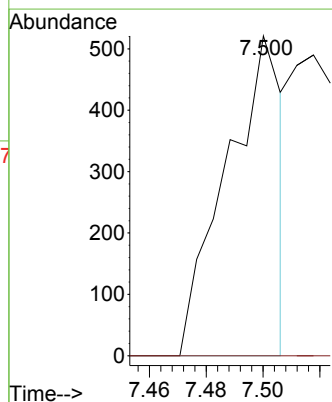
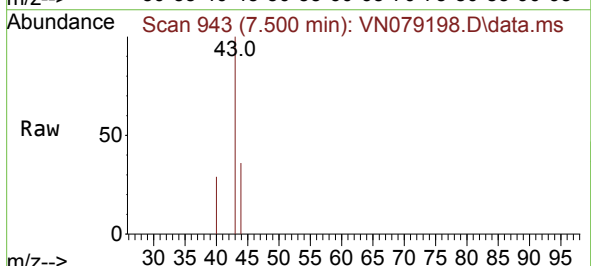


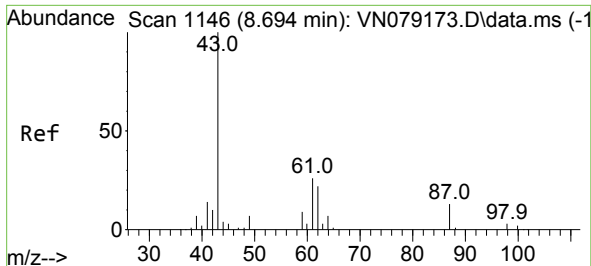
Tgt Ion: 83 Resp: 336
Ion Ratio Lower Upper
83 100
85 0.0 53.4 80.2#
127 0.0 8.3 12.5#



#43
Ethyl Acetate
Concen: 0.531 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.071 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
45 0.0 11.1 16.7#

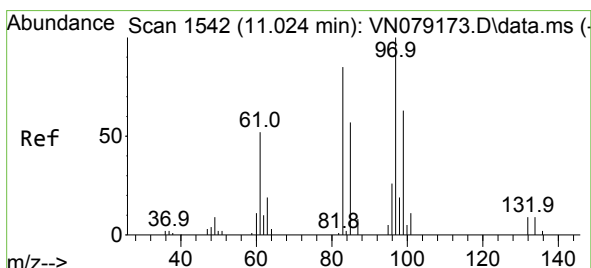
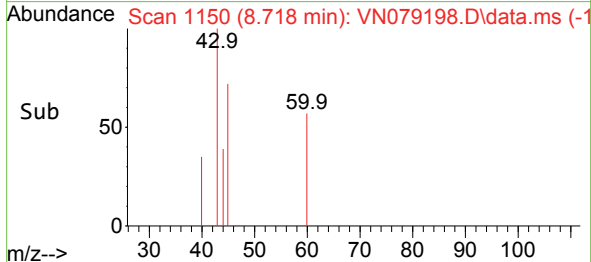
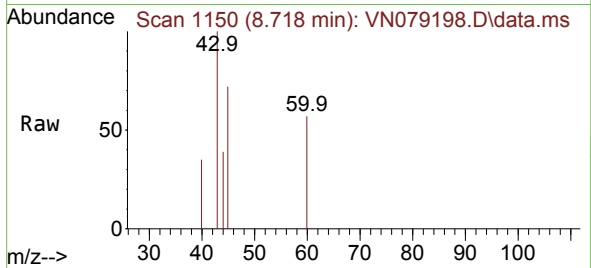




#44
Isopropyl Acetate
Concen: 0.350 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

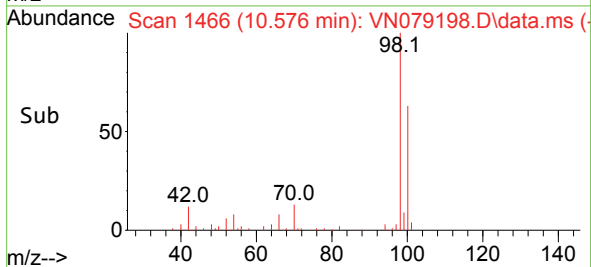
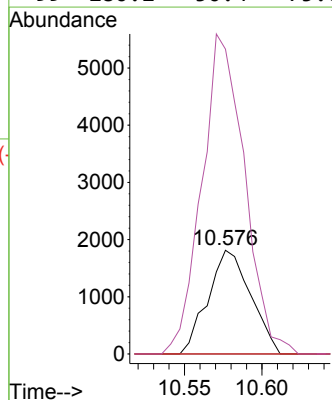
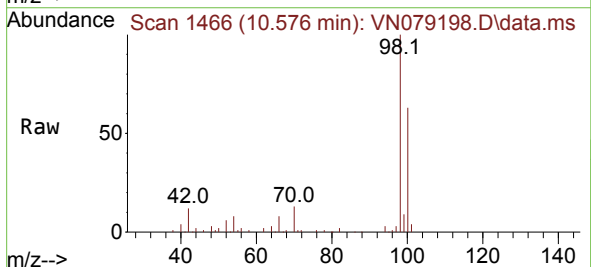
Instrument :
MSVOA_N
ClientSampleId :

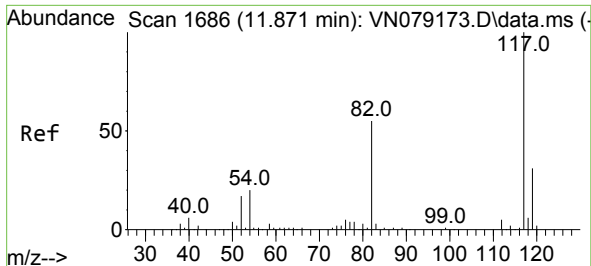
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
61 79.9 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.255 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.448 min
Lab File: VN079198.D
Acq: 08 Sep 2023 15:29

Tgt Ion: 97 Resp: 3471
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 280.2 50.4 75.6#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

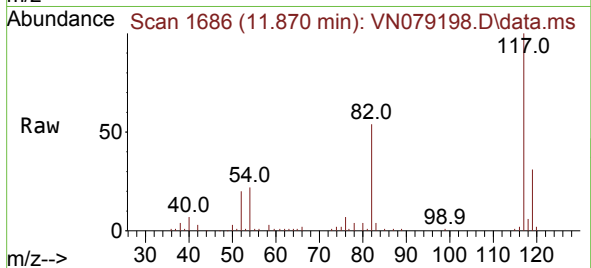
Lab File: VN079198.D

Acq: 08 Sep 2023 15:29

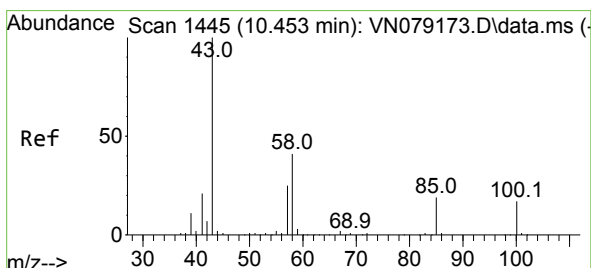
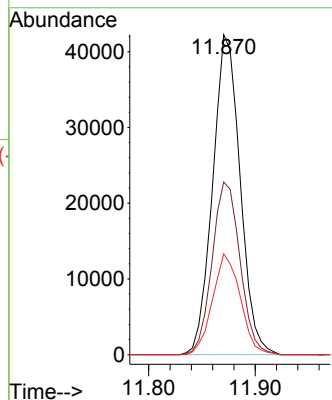
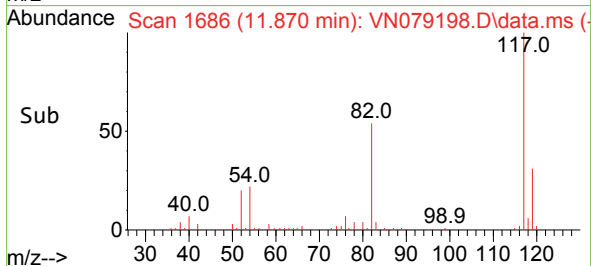
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	117	Resp:	75617
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.7	67.1
119	31.9	24.9	37.3



#58

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

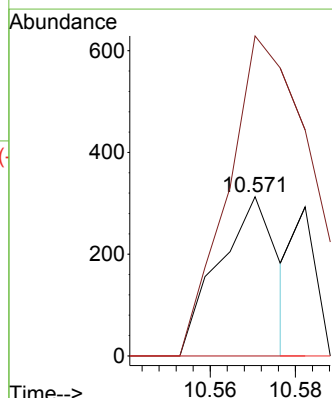
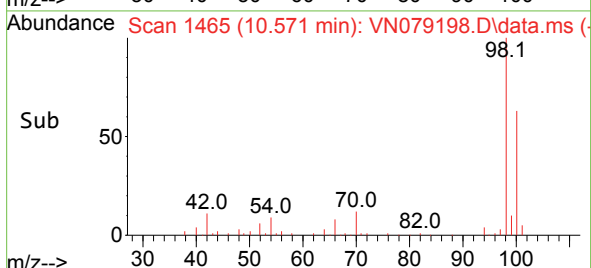
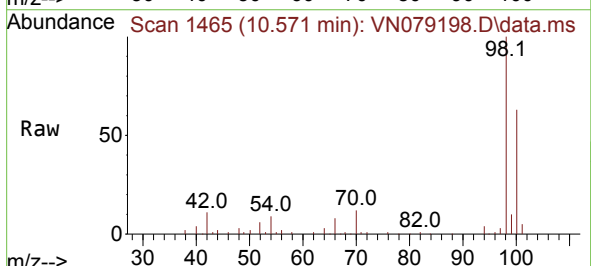
RT: 10.571 min Scan# 1465

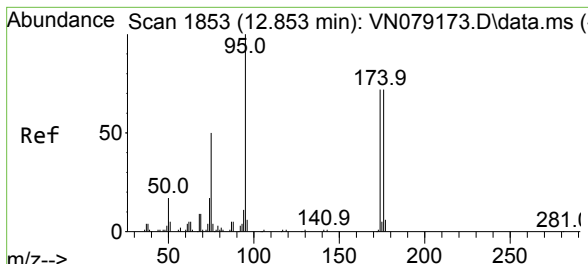
Delta R.T. 0.118 min

Lab File: VN079198.D

Acq: 08 Sep 2023 15:29

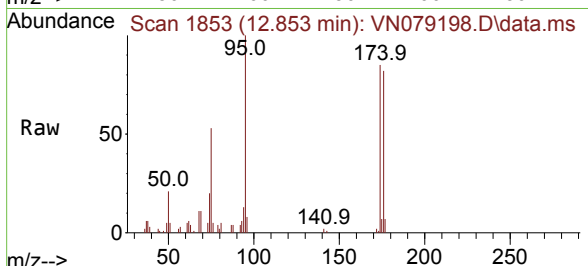
Tgt Ion:	43	Resp:	302
Ion	Ratio	Lower	Upper
43	100		
58	294.4	33.6	50.4#
85	0.0	15.0	22.4#



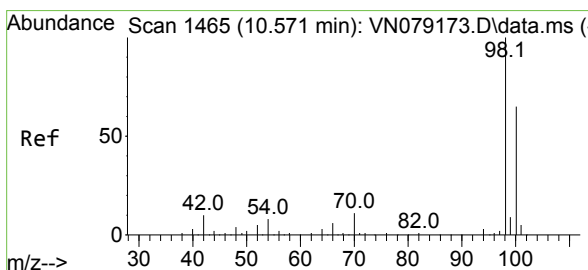
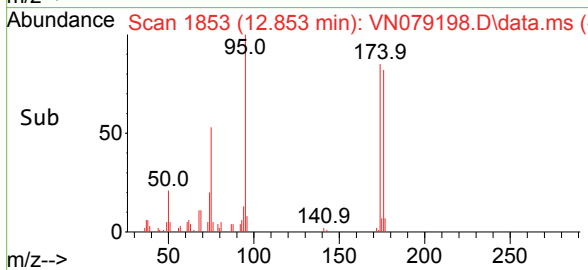
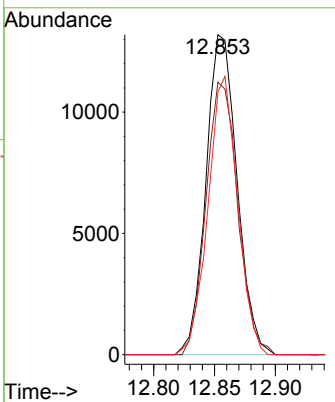


#60
 4-Bromofluorobenzene
 Concen: 21.077 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN079198.D
 Acq: 08 Sep 2023 15:29

Instrument :
 MSVOA_N
 ClientSampleId :

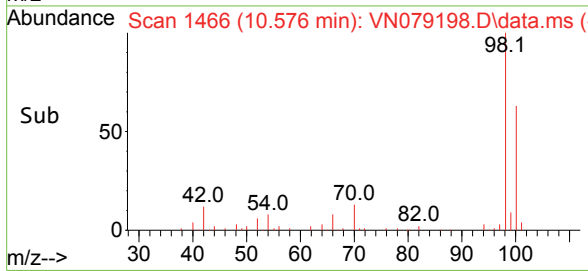
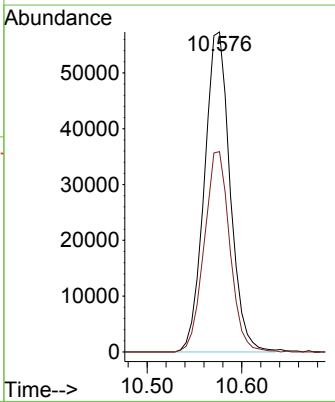
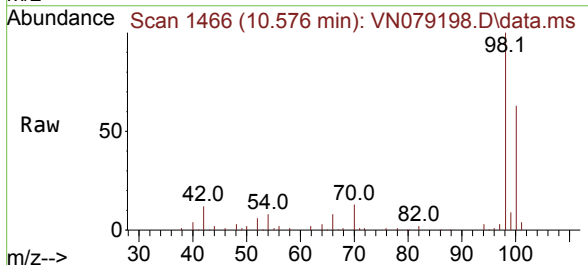


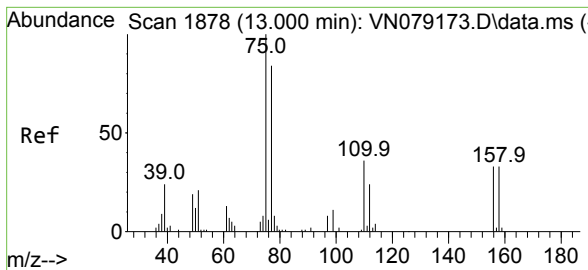
Tgt Ion:	95	Resp:	23483
Ion Ratio	Lower	Upper	
95	100		
174	87.0	59.5	89.3
176	82.9	59.1	88.7



#63
 Toluene-d8
 Concen: 30.618 ug/l
 RT: 10.576 min Scan# 1466
 Delta R.T. 0.005 min
 Lab File: VN079198.D
 Acq: 08 Sep 2023 15:29

Tgt Ion:	98	Resp:	108199
Ion Ratio	Lower	Upper	
98	100		
100	62.4	52.5	78.7





#72

1,2,3-Trichloropropane

Concen: 9.806 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079198.D

Acq: 08 Sep 2023 15:29

Instrument :

MSVOA_N

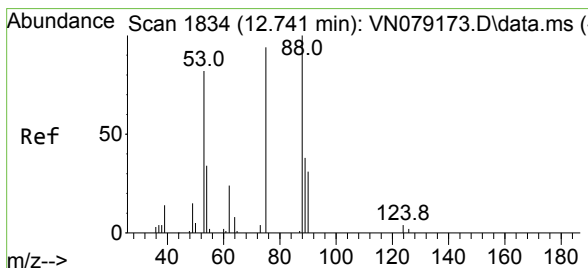
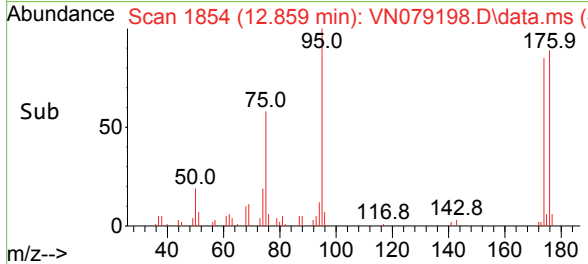
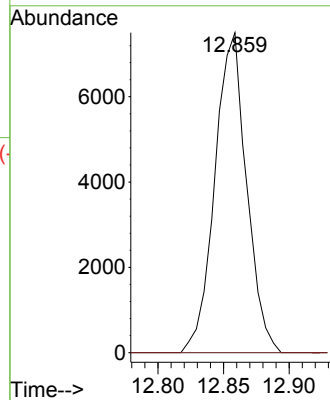
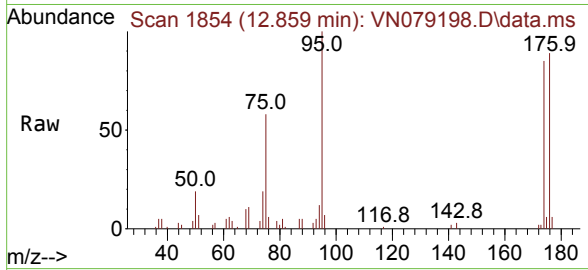
ClientSampleId :

Tgt Ion: 75 Resp: 12621

Ion Ratio Lower Upper

75 100

77 0.0 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 27.853 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079198.D

Acq: 08 Sep 2023 15:29

Tgt Ion: 75 Resp: 12621

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

