

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079185.D
 Acq On : 07 Sep 2023 19:43
 Operator : JC\MD
 Sample : 04302-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 05:45:52 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)

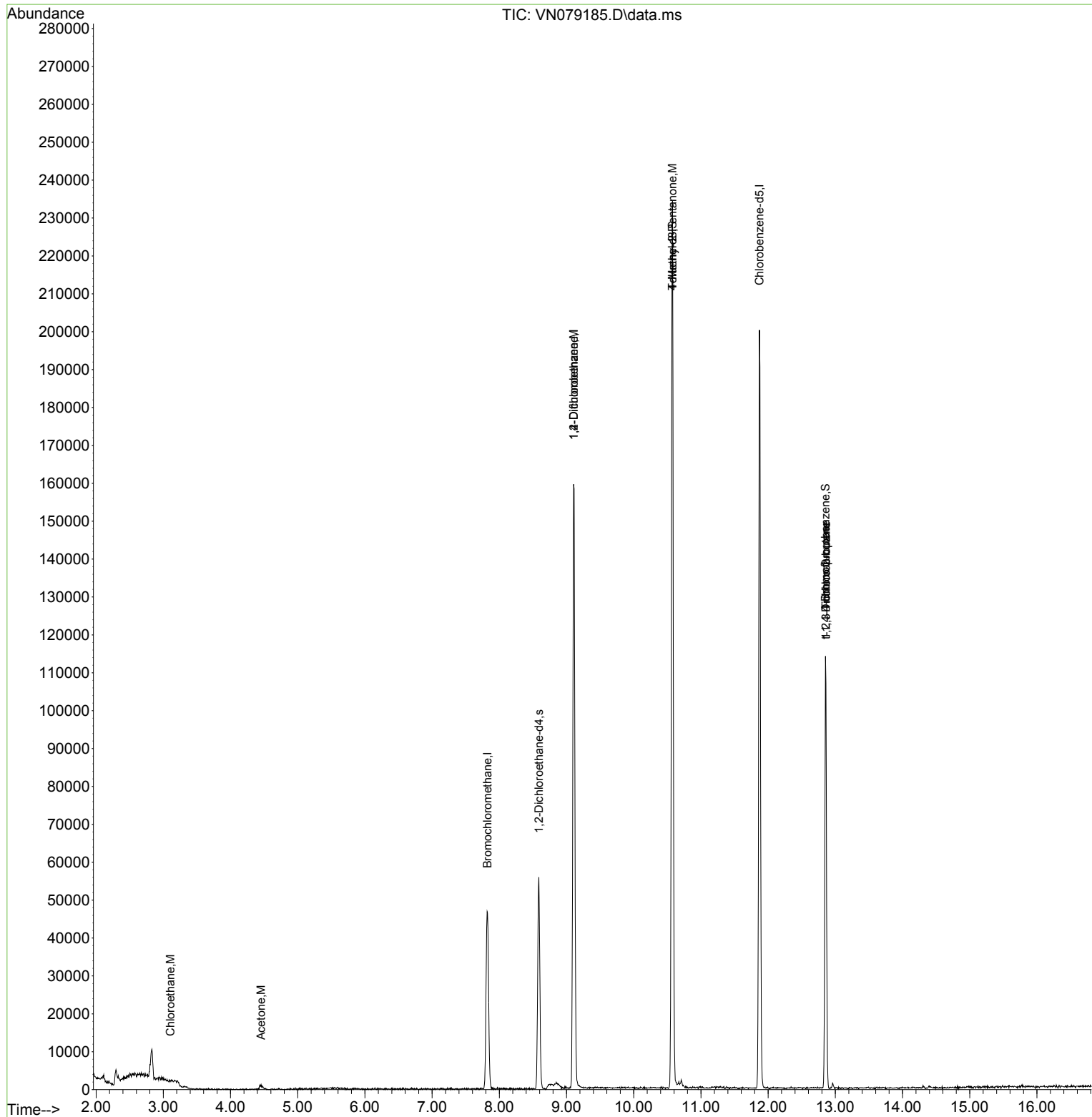
Internal Standards						
1) Bromochloromethane	7.824	128	18387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	142725	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	124502	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	45487	32.927	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.767%			
60) 4-Bromofluorobenzene	12.853	95	41840	22.808	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 76.033%			
63) Toluene-d8	10.577	98	172288	29.611	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.700%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	345	0.554	ug/l #	50
15) Acetone	4.453	58	276	2.393	ug/l #	1
36) 1,2-Dichloroethane	9.106	62	4686	1.954	ug/l #	73
58) 4-Methyl-2-Pentanone	10.577	43	470	0.206	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	21060	9.938	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	21060	28.228	ug/l #	14

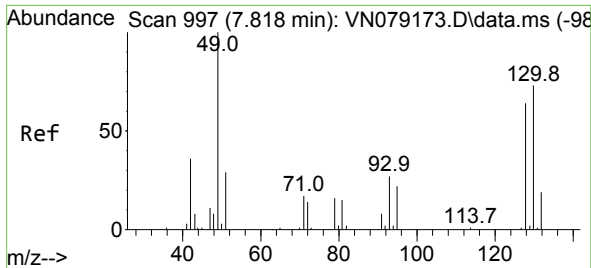
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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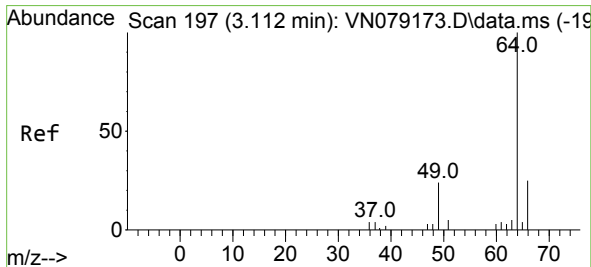
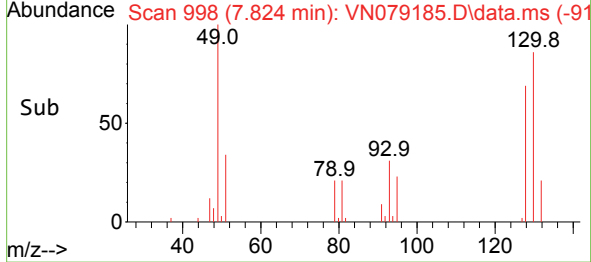
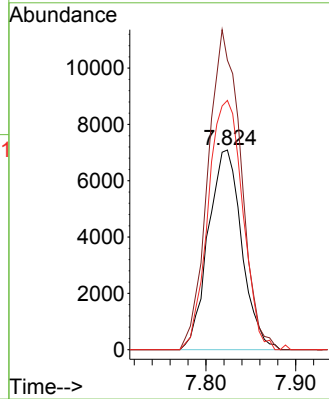
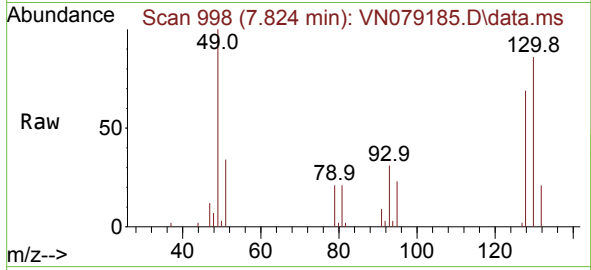




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43

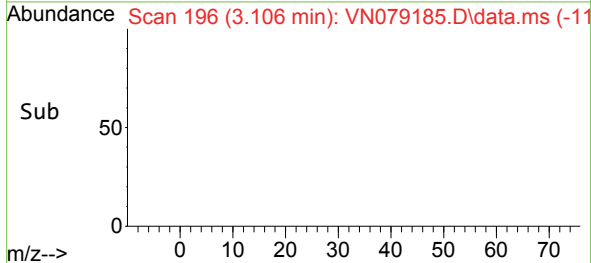
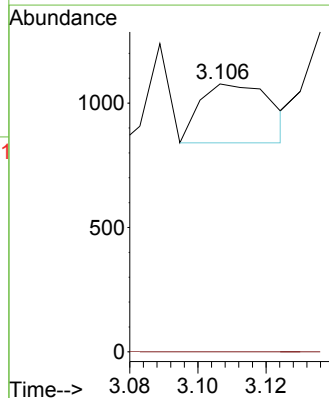
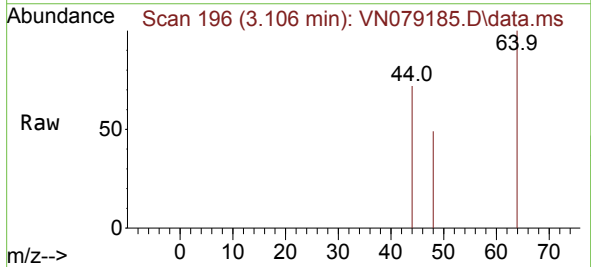
Instrument :
MSVOA_N
ClientSampleId :

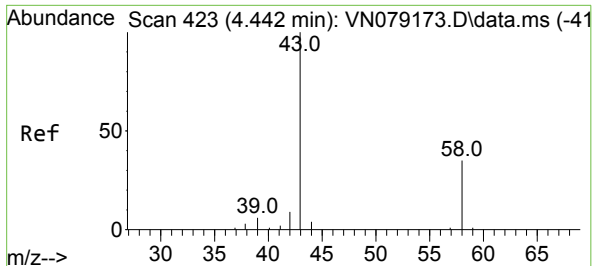
Tgt Ion:128 Resp: 18387
Ion Ratio Lower Upper
128 100
49 157.4 0.0 414.3
130 128.9 0.0 311.0



#6
Chloroethane
Concen: 0.554 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43

Tgt Ion: 64 Resp: 345
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#





#15

Acetone

Concen: 2.393 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.011 min

Lab File: VN079185.D

Acq: 07 Sep 2023 19:43

Instrument :

MSVOA_N

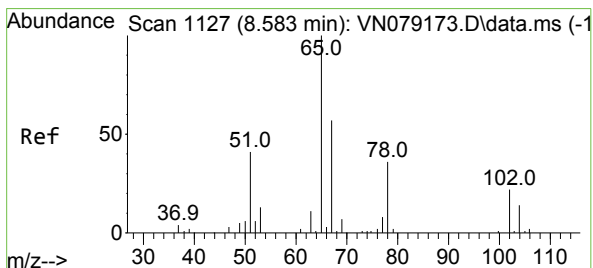
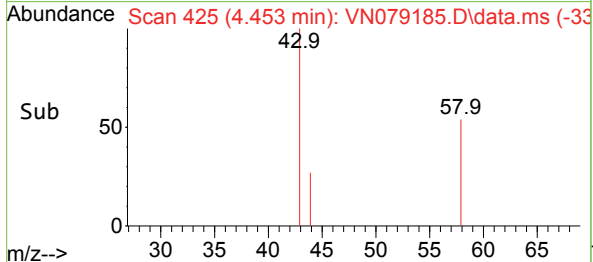
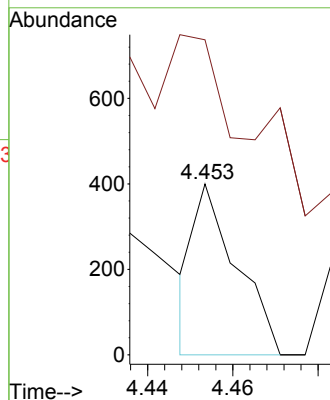
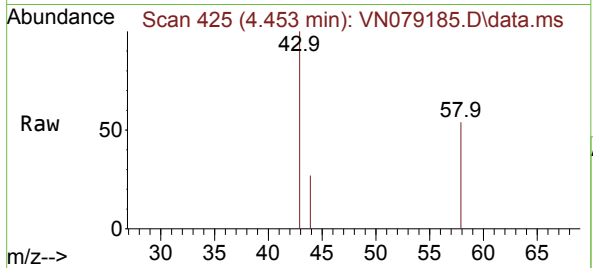
ClientSampleId :

Tgt Ion: 58 Resp: 276

Ion Ratio Lower Upper

58 100

43 39.8 228.3 342.5#



#27

1,2-Dichloroethane-d4

Concen: 32.927 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN079185.D

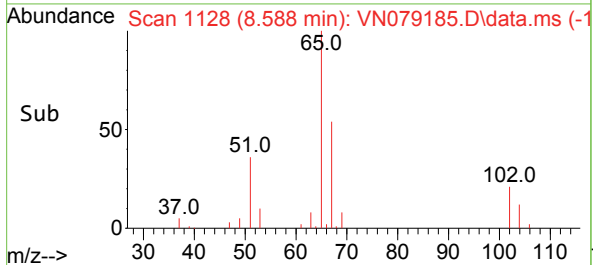
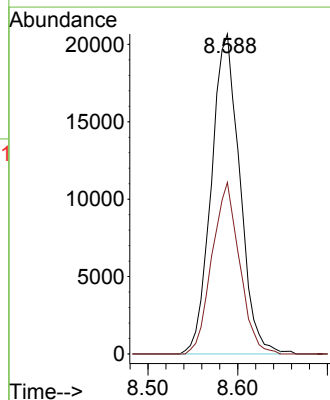
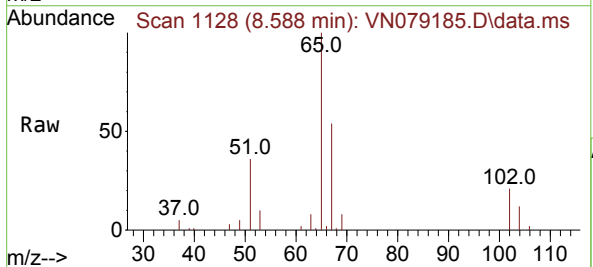
Acq: 07 Sep 2023 19:43

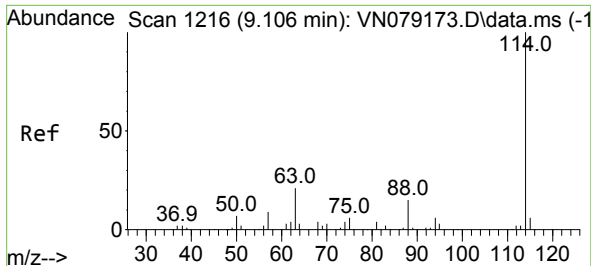
Tgt Ion: 65 Resp: 45487

Ion Ratio Lower Upper

65 100

67 51.9 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: VN079185.D

Acq: 07 Sep 2023 19:43

Instrument :

MSVOA_N

ClientSampleId :

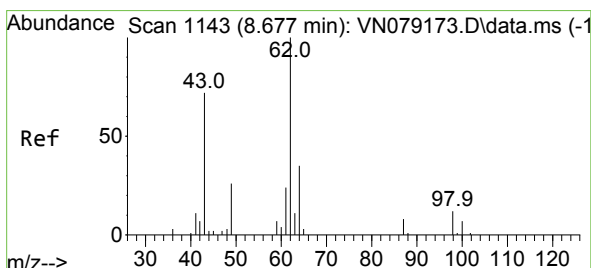
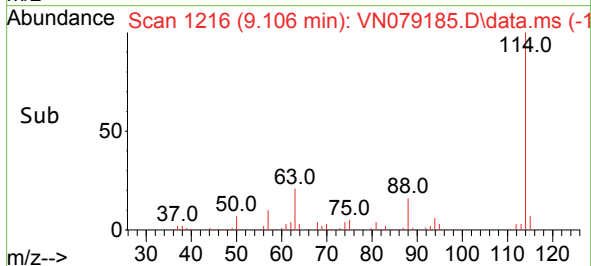
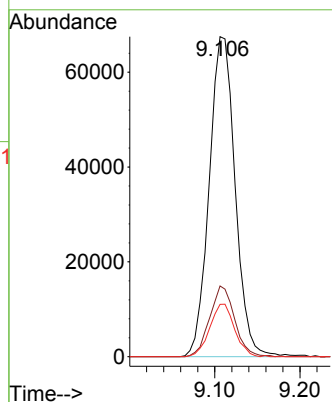
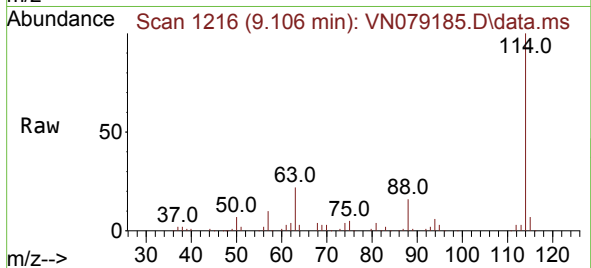
Tgt Ion:114 Resp: 142725

Ion Ratio Lower Upper

114 100

63 21.2 17.0 25.4

88 15.7 12.8 19.2



#36

1,2-Dichloroethane

Concen: 1.954 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.429 min

Lab File: VN079185.D

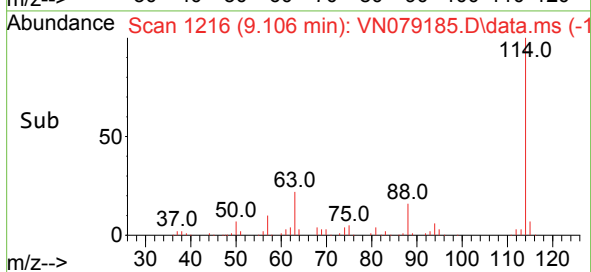
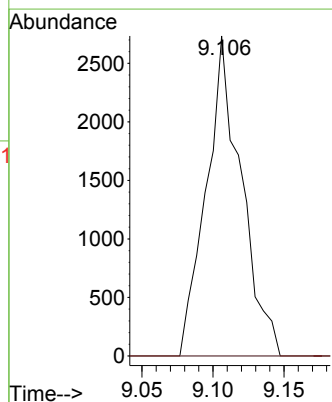
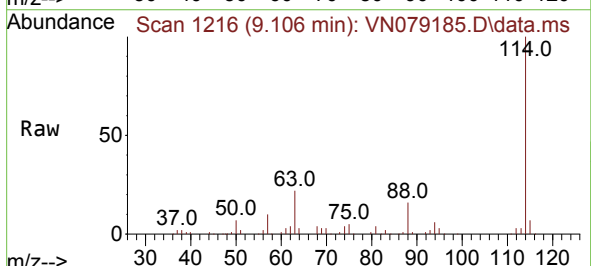
Acq: 07 Sep 2023 19:43

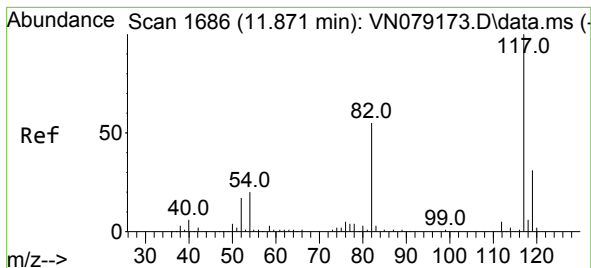
Tgt Ion: 62 Resp: 4686

Ion Ratio Lower Upper

62 100

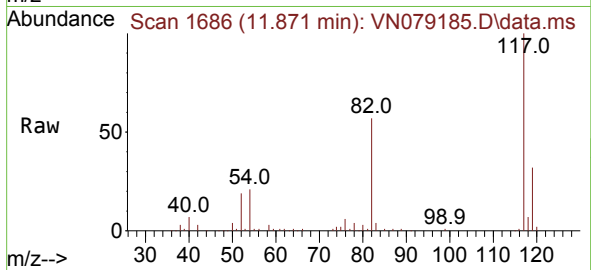
98 0.0 8.2 12.2#



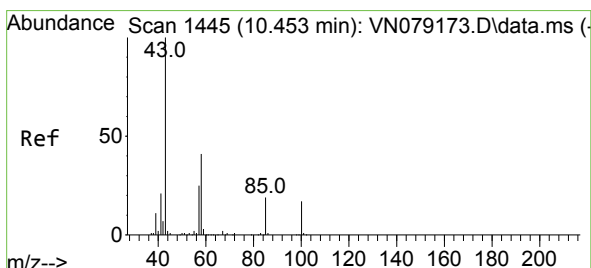
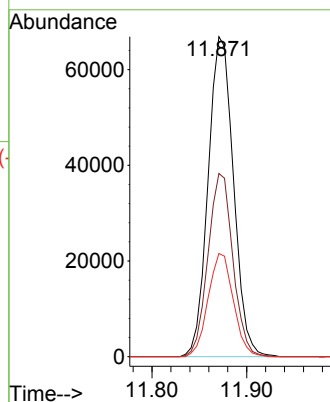
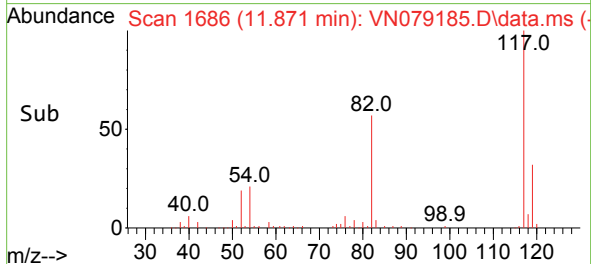


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43

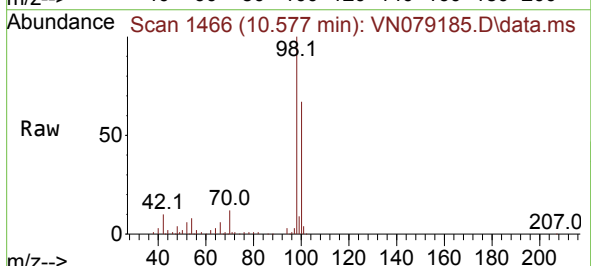
Instrument :
MSVOA_N
ClientSampleId :



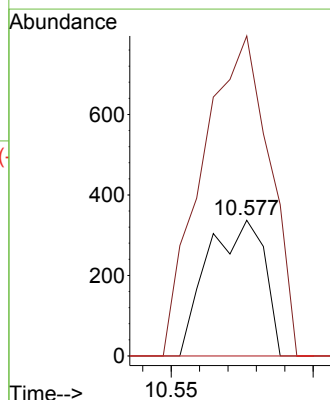
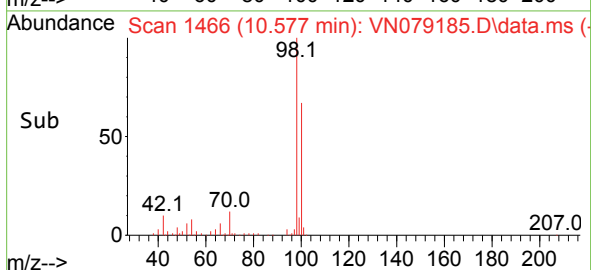
Tgt Ion:117 Resp: 124502
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.0 24.9 37.3

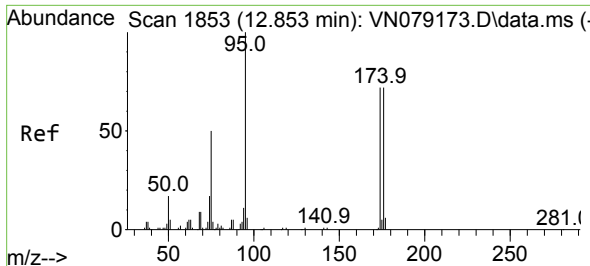


#58
4-Methyl-2-Pentanone
Concen: 0.206 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.124 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43



Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 279.1 33.6 50.4#
85 0.0 15.0 22.4#

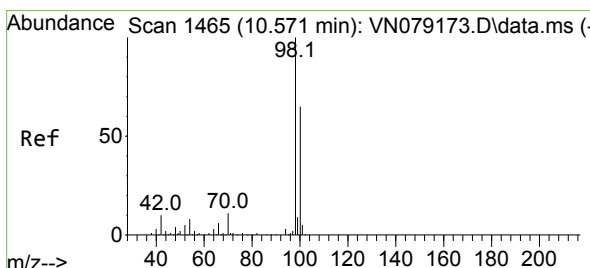
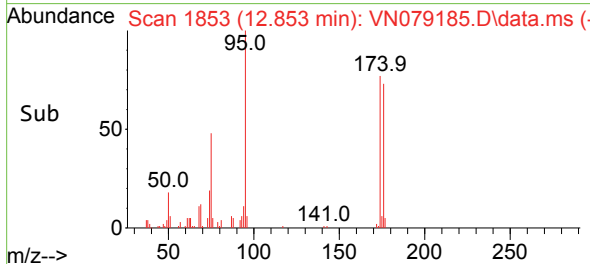
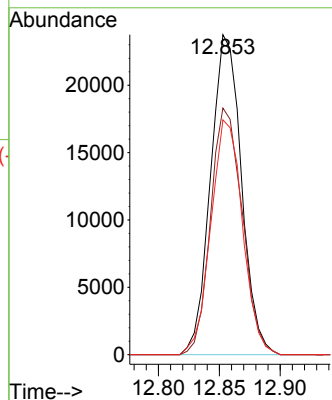
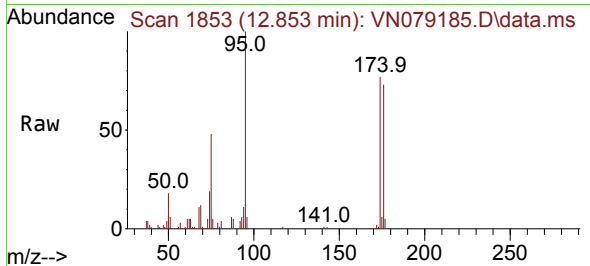




#60
4-Bromofluorobenzene
Concen: 22.808 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43

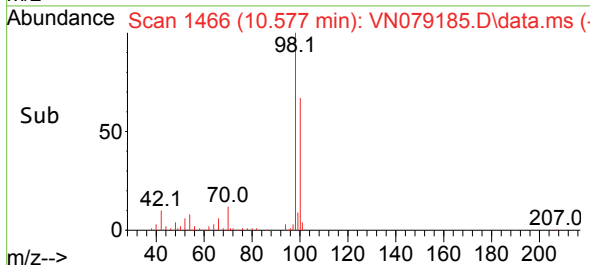
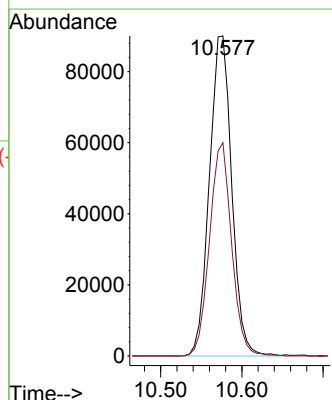
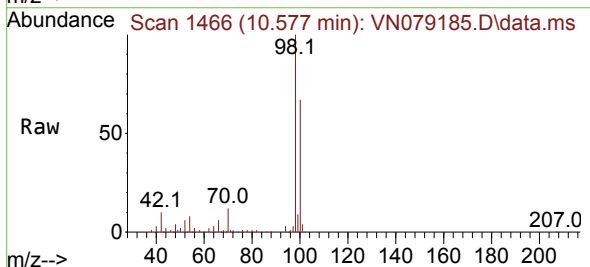
Instrument :
MSVOA_N
ClientSampleId :

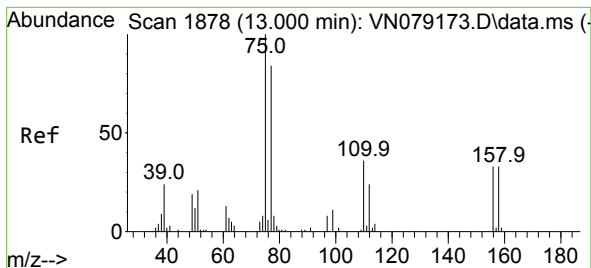
Tgt Ion: 95 Resp: 41840
Ion Ratio Lower Upper
95 100
174 78.8 59.5 89.3
176 75.3 59.1 88.7



#63
Toluene-d8
Concen: 29.611 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN079185.D
Acq: 07 Sep 2023 19:43

Tgt Ion: 98 Resp: 172288
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7





#72

1,2,3-Trichloropropane

Concen: 9.938 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079185.D

Acq: 07 Sep 2023 19:43

Instrument :

MSVOA_N

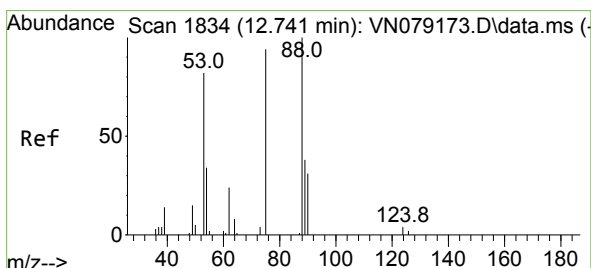
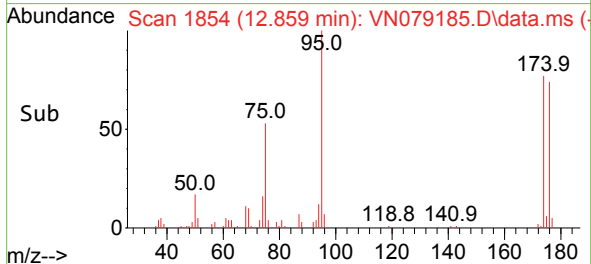
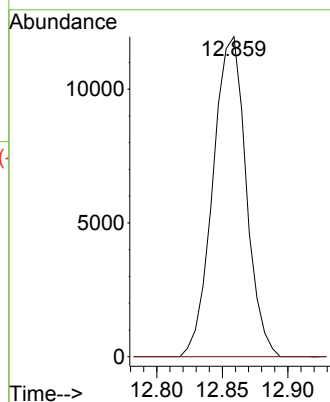
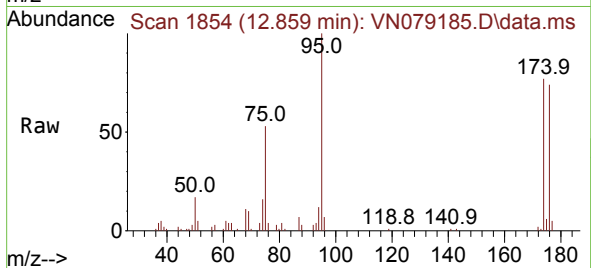
ClientSampleId :

Tgt Ion: 75 Resp: 21060

Ion Ratio Lower Upper

75 100

77 0.0 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 28.228 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079185.D

Acq: 07 Sep 2023 19:43

Tgt Ion: 75 Resp: 21060

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

