

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079180.D
 Acq On : 07 Sep 2023 17:31
 Operator : JC\MD
 Sample : VN0907WBL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 05:44:12 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)

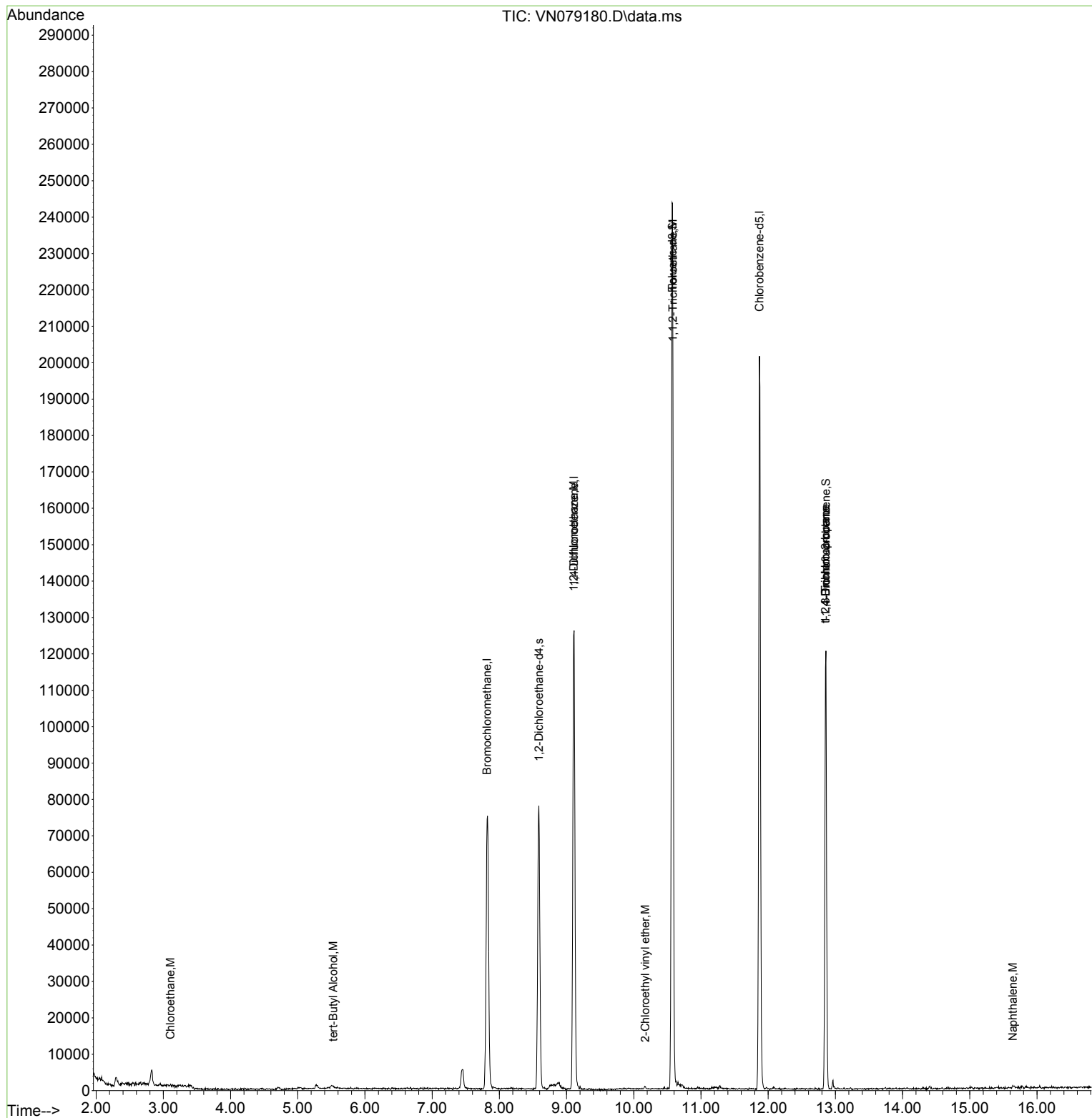
Internal Standards						
1) Bromochloromethane	7.818	128	28135	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	117254	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	127701	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	64441	30.486	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.633%
60) 4-Bromofluorobenzene	12.859	95	45840	24.362	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.200%
63) Toluene-d8	10.576	98	181705	30.447	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.500%
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	308	0.323	ug/l #	50
23) tert-Butyl Alcohol	5.530	59	68	0.261	ug/l #	100
36) 1,2-Dichloroethane	9.106	62	4124	2.094	ug/l #	73
50) 1,1,2-Trichloroethane	10.582	97	5719	4.012	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.171	63	435	0.556	ug/l #	45
72) 1,2,3-Trichloropropane	12.853	75	22237	10.231	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	22237	29.059	ug/l #	14
91) Naphthalene	15.641	128	1035	0.342	ug/l #	70

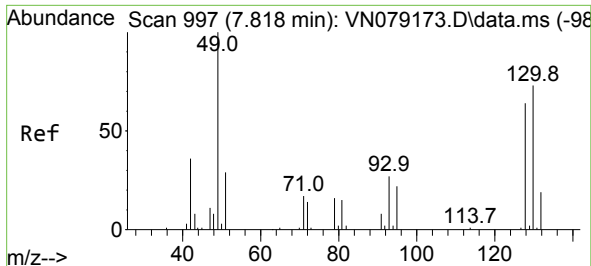
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
Data File : VN079180.D
Acq On : 07 Sep 2023 17:31
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MSVOA_N
ClientSampleId :

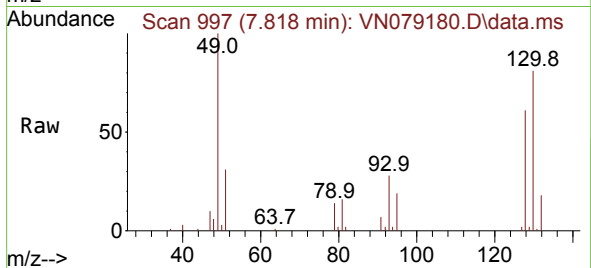
Quant Time: Sep 08 05:44:12 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



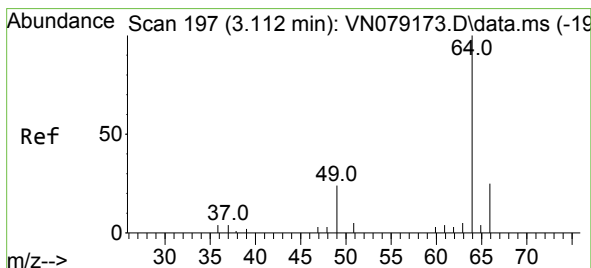
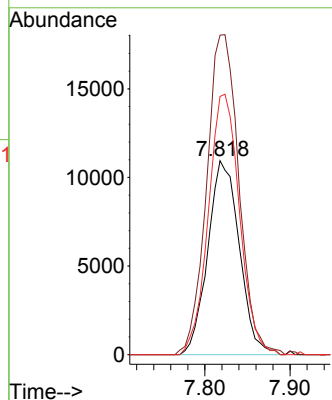
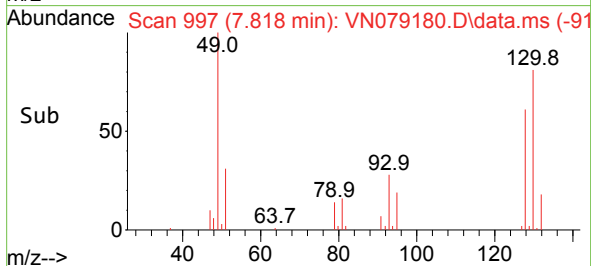


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

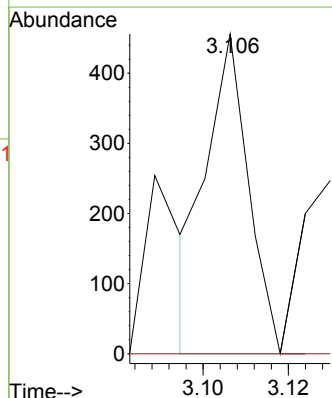
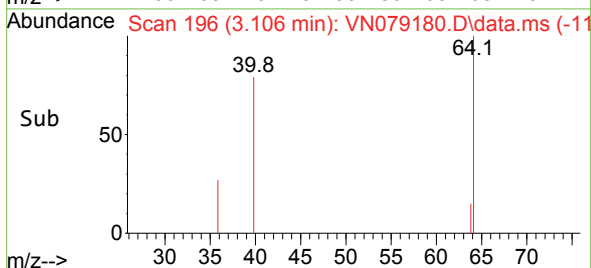
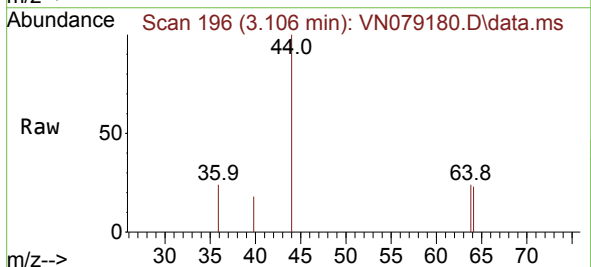


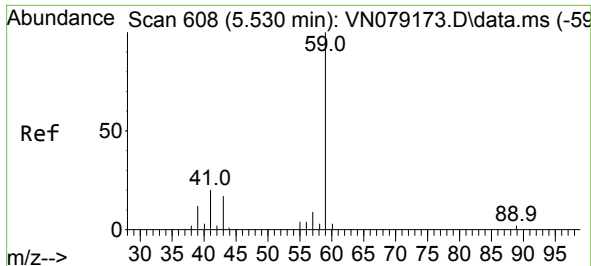
Tgt Ion:128 Resp: 28135
Ion Ratio Lower Upper
128 100
49 168.6 0.0 414.3
130 133.1 0.0 311.0



#6
Chloroethane
Concen: 0.323 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

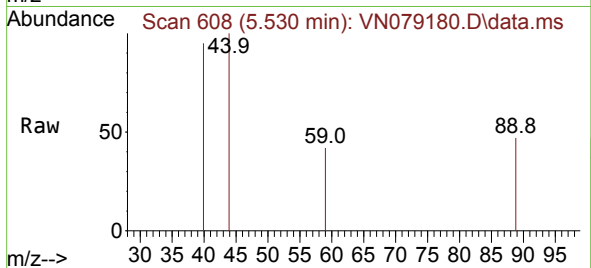
Tgt Ion: 64 Resp: 308
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



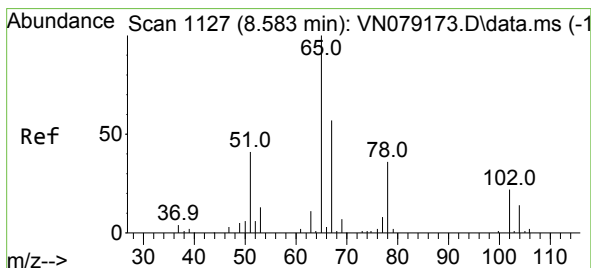
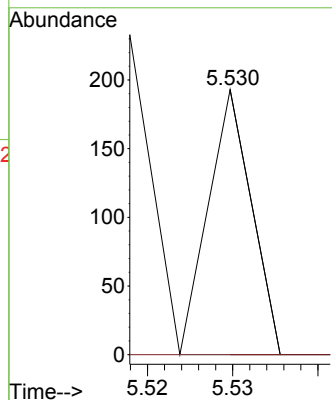
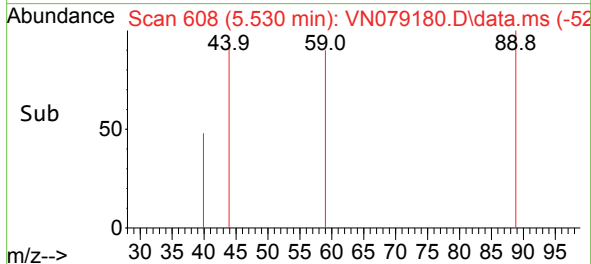


#23
tert-Butyl Alcohol
Concen: 0.261 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

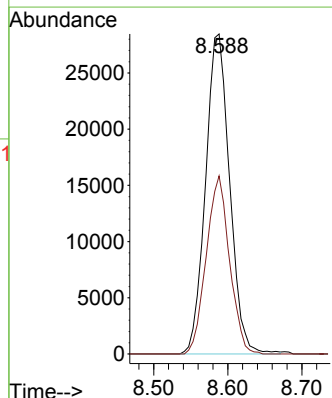
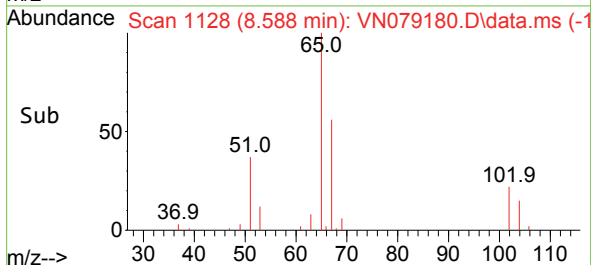
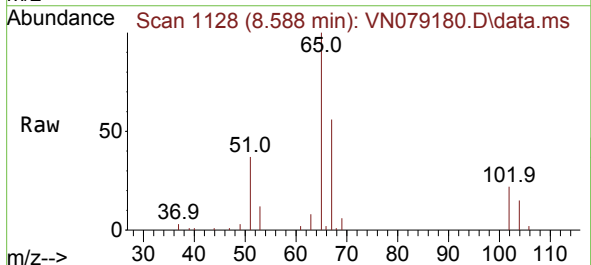


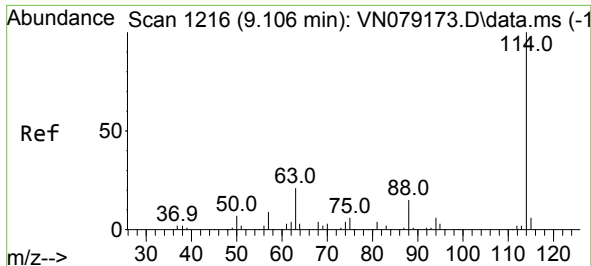
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.486 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

Tgt Ion: 65 Resp: 64441
Ion Ratio Lower Upper
65 100
67 53.5 44.4 66.6





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :

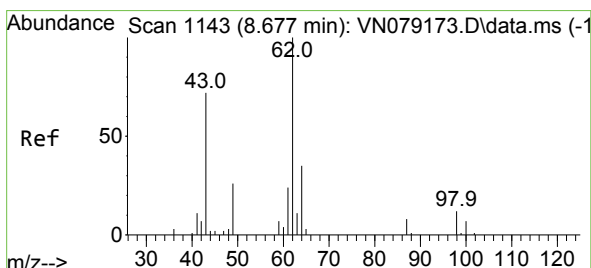
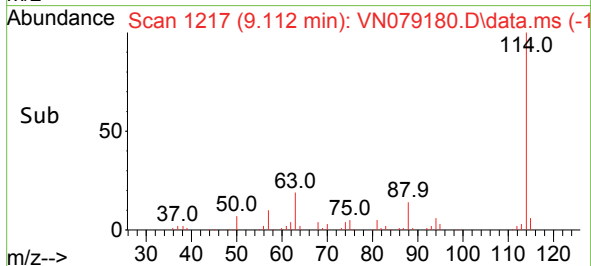
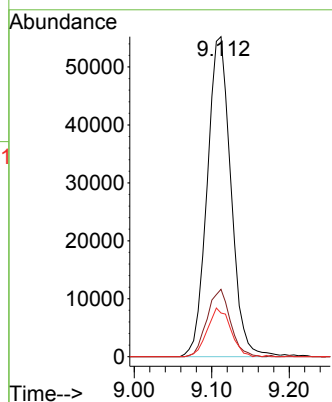
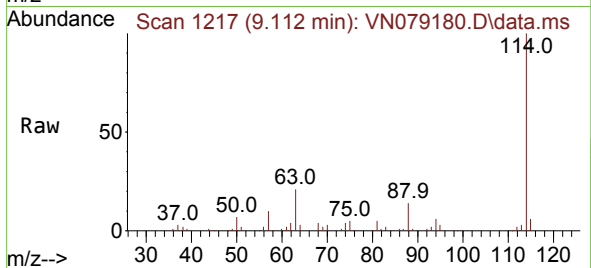
Tgt Ion:114 Resp: 117254

Ion Ratio Lower Upper

114 100

63 20.7 17.0 25.4

88 15.0 12.8 19.2



#36

1,2-Dichloroethane

Concen: 2.094 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.429 min

Lab File: VN079180.D

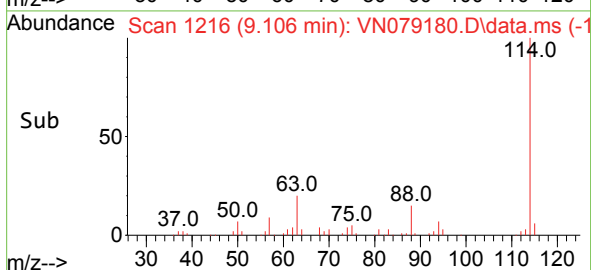
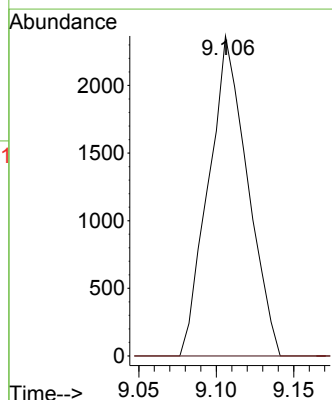
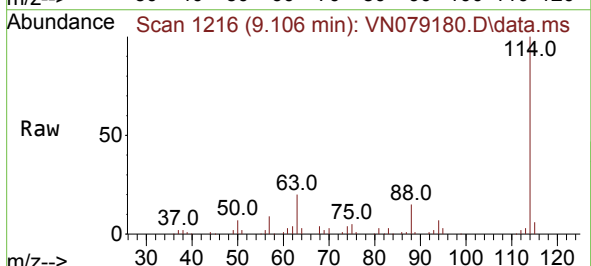
Acq: 07 Sep 2023 17:31

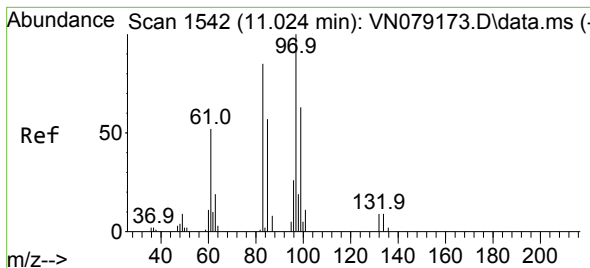
Tgt Ion: 62 Resp: 4124

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#





#50

1,1,2-Trichloroethane

Concen: 4.012 ug/l

RT: 10.582 min Scan# 1467

Delta R.T. -0.442 min

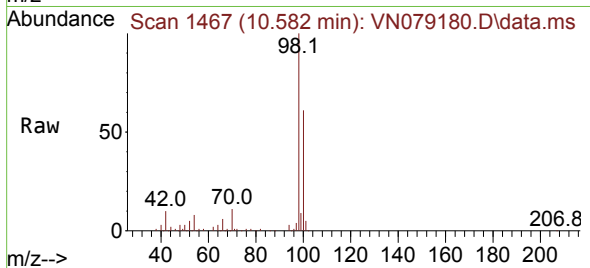
Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 5719

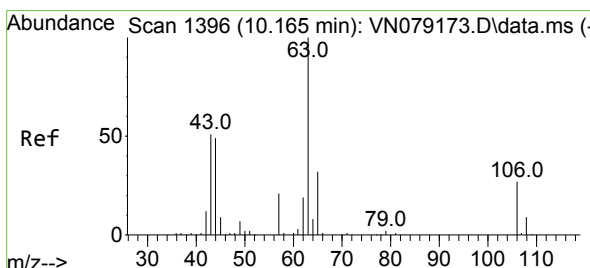
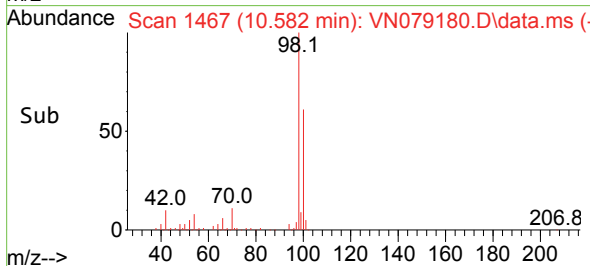
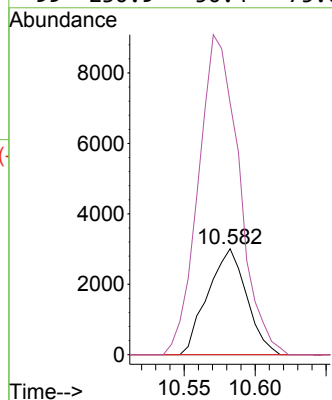
Ion Ratio Lower Upper

97 100

83 0.0 68.9 103.3#

85 0.0 45.3 67.9#

99 230.9 50.4 75.6#



#55

2-Chloroethyl vinyl ether

Concen: 0.556 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

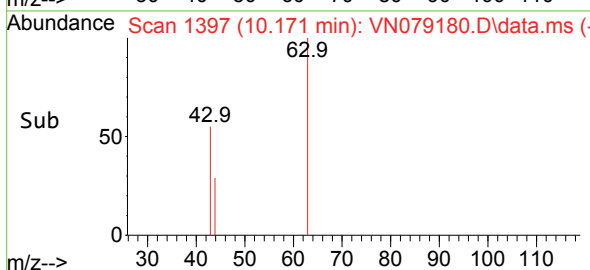
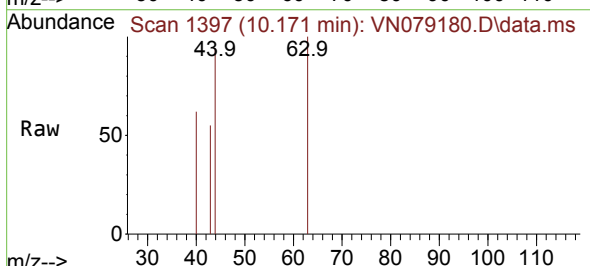
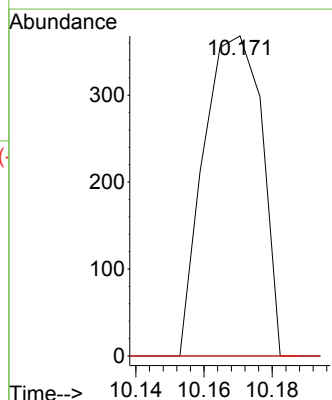
Tgt Ion: 63 Resp: 435

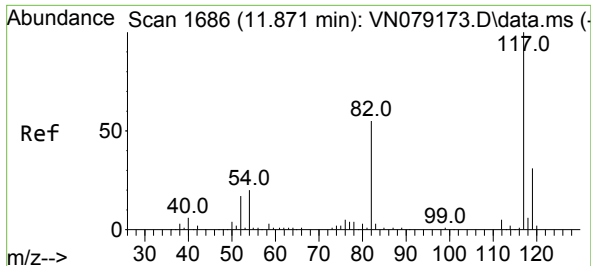
Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#

106 0.0 21.9 32.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :

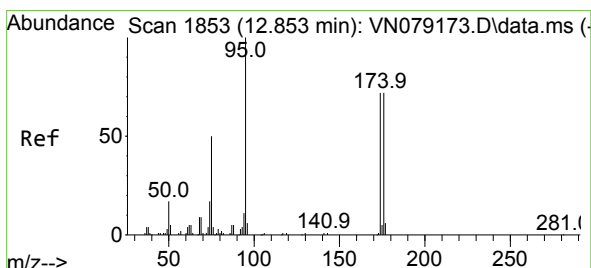
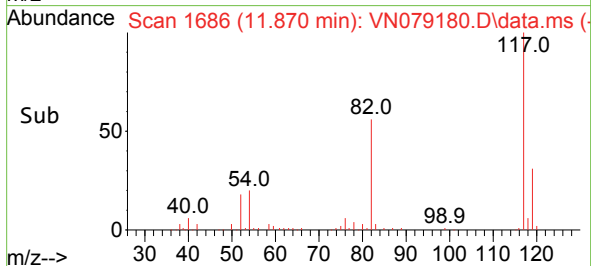
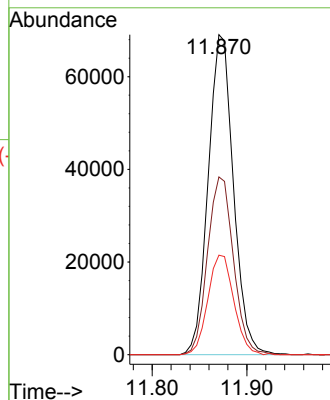
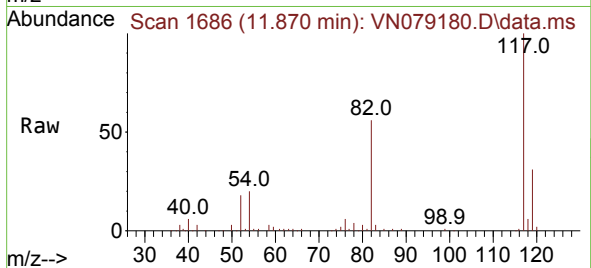
Tgt Ion:117 Resp: 127701

Ion Ratio Lower Upper

117 100

82 57.1 44.7 67.1

119 32.0 24.9 37.3



#60

4-Bromofluorobenzene

Concen: 24.362 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

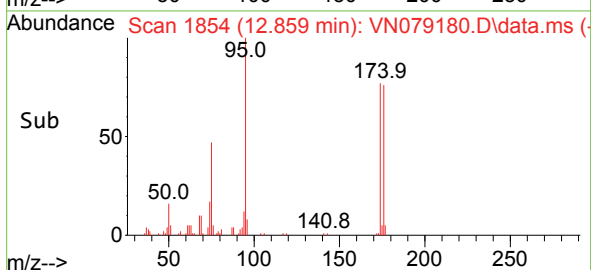
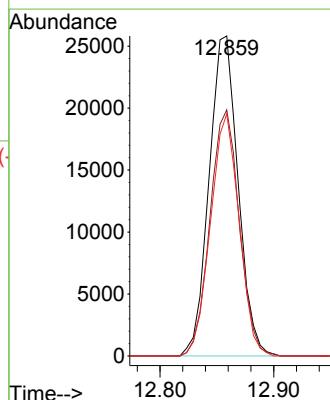
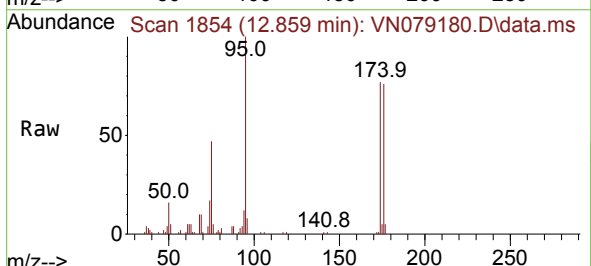
Tgt Ion: 95 Resp: 45840

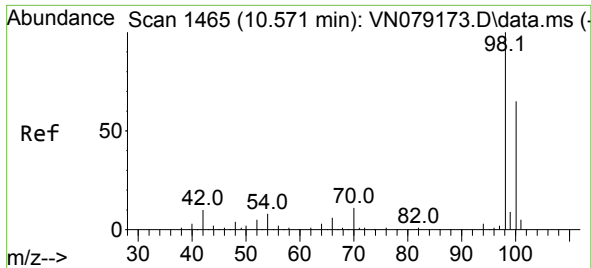
Ion Ratio Lower Upper

95 100

174 77.6 59.5 89.3

176 74.4 59.1 88.7

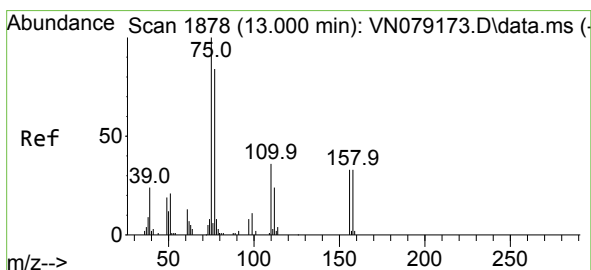
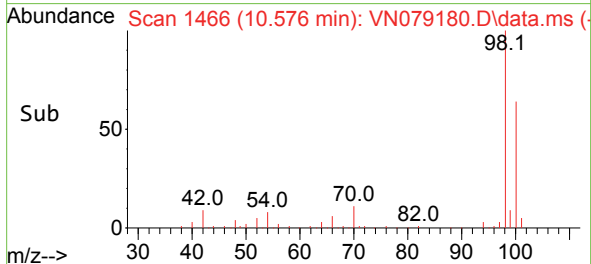
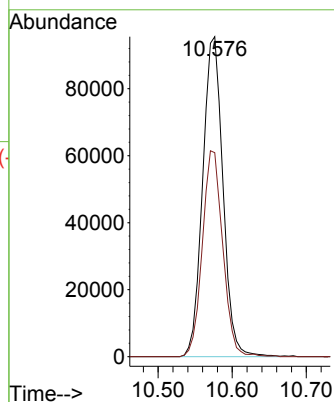
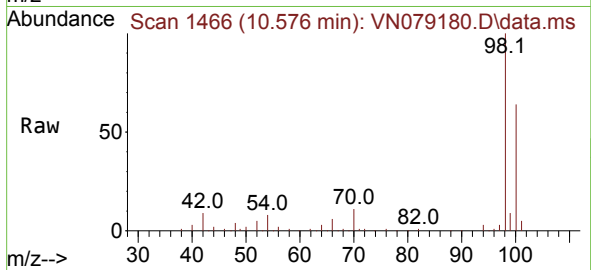




#63
Toluene-d8
Concen: 30.447 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

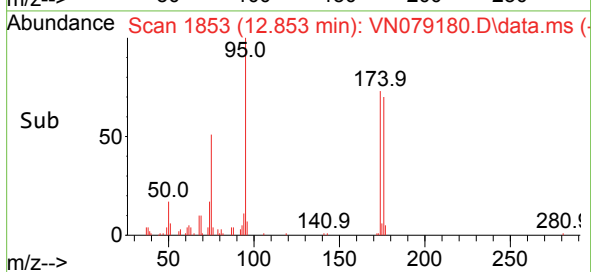
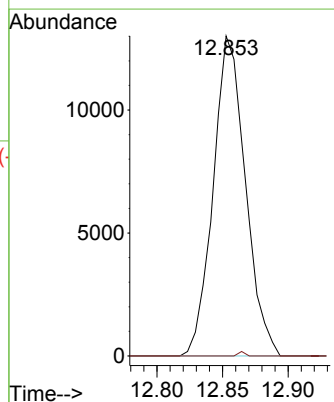
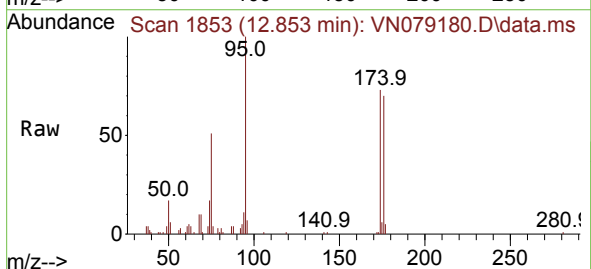
Instrument :
MSVOA_N
ClientSampleId :

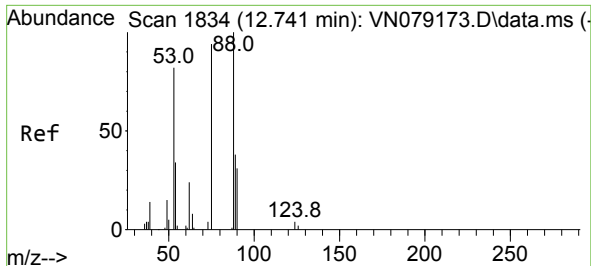
Tgt Ion: 98 Resp: 181705
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 10.231 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079180.D
Acq: 07 Sep 2023 17:31

Tgt Ion: 75 Resp: 22237
Ion Ratio Lower Upper
75 100
77 0.6 0.0 252.2





#77

t-1,4-Dichloro-2-butene

Concen: 29.059 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

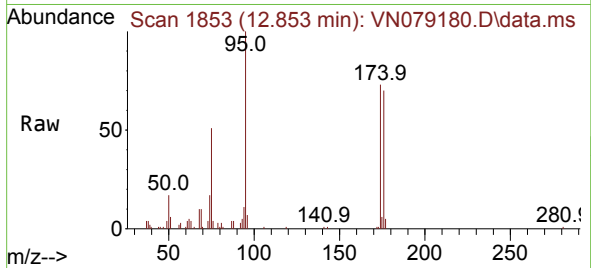
Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :



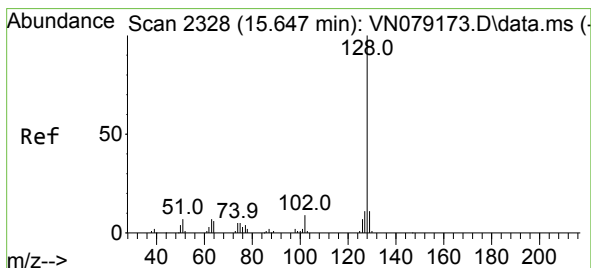
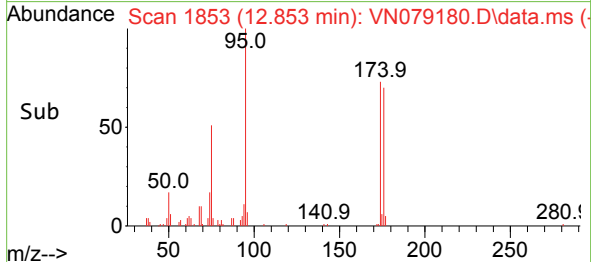
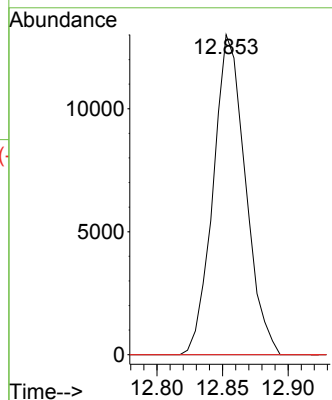
Tgt Ion: 75 Resp: 22237

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#



#91

Naphthalene

Concen: 0.342 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.006 min

Lab File: VN079180.D

Acq: 07 Sep 2023 17:31

Tgt Ion:128 Resp: 1035

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.5 12.7#

