

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079201.D
 Acq On : 08 Sep 2023 16:41
 Operator : JC\MD
 Sample : 04343-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:17:30 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)

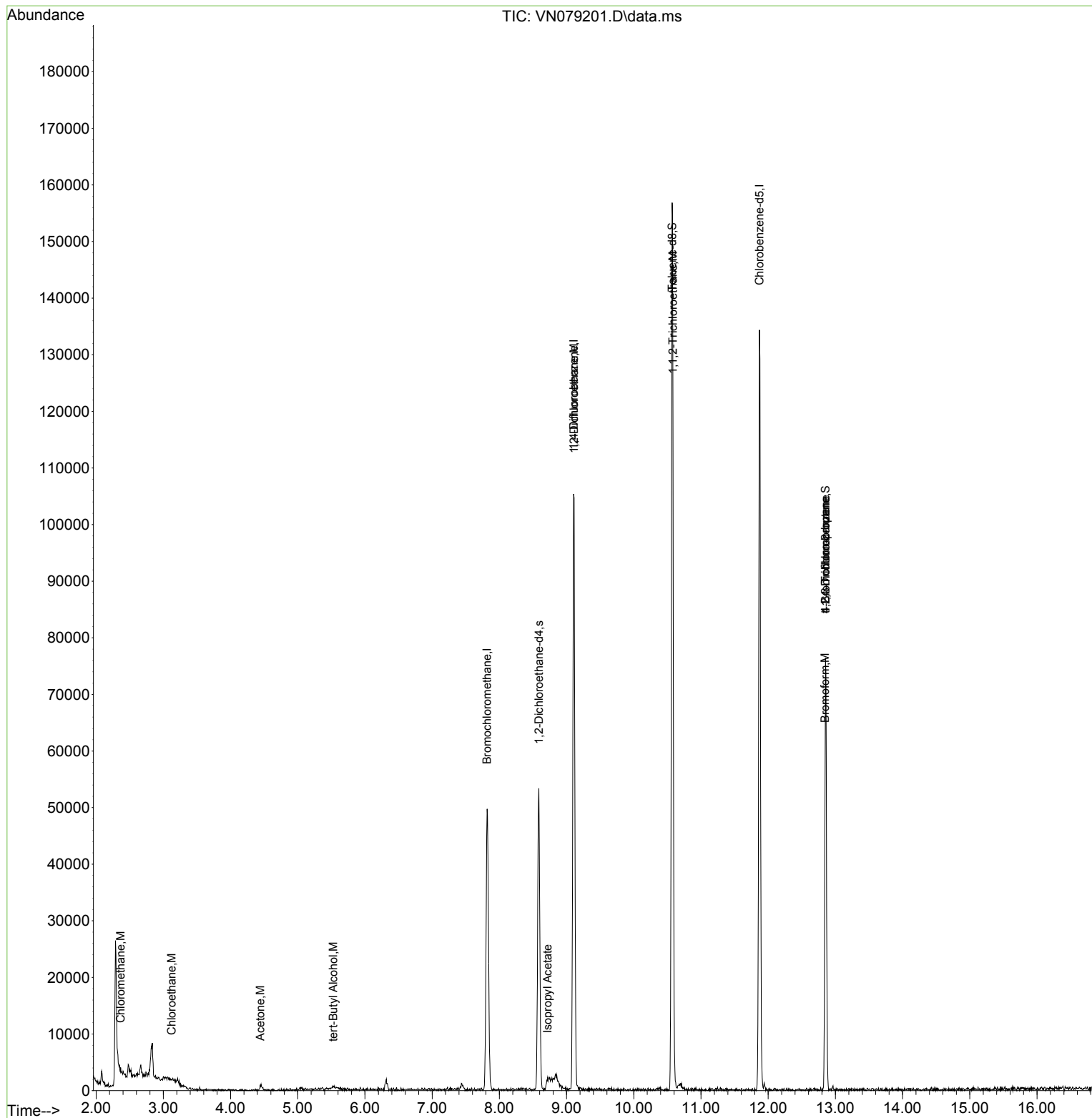
Internal Standards						
1) Bromochloromethane	7.818	128	18685	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	92251	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	81980	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	44625	31.788	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.967%
60) 4-Bromofluorobenzene	12.853	95	26824	22.207	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	74.033%
63) Toluene-d8	10.571	98	113554	29.639	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	289	0.277	ug/l #	45
6) Chloroethane	3.124	64	193	0.305	ug/l #	50
15) Acetone	4.442	58	89	0.759	ug/l #	10
23) tert-Butyl Alcohol	5.530	59	314	1.817	ug/l #	100
36) 1,2-Dichloroethane	9.112	62	3147	2.031	ug/l #	73
44) Isopropyl Acetate	8.718	43	1283	0.505	ug/l #	10
50) 1,1,2-Trichloroethane	10.582	97	4160	3.709	ug/l #	1
56) Bromoform	12.847	173	171	0.209	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	14352	10.286	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	14352	29.215	ug/l #	14

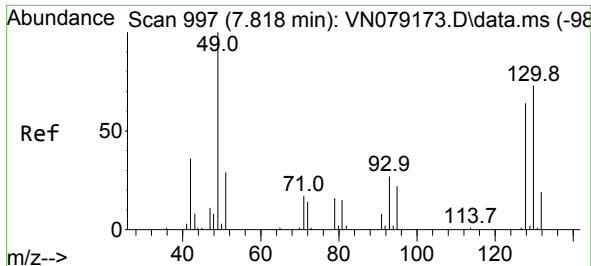
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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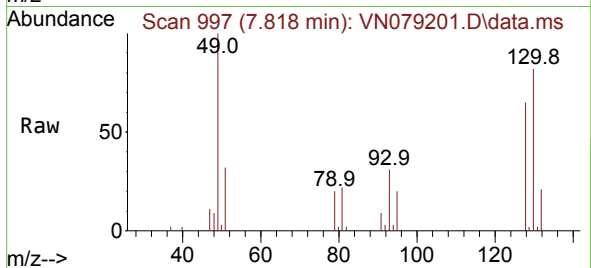
Quant Time: Sep 08 23:17:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
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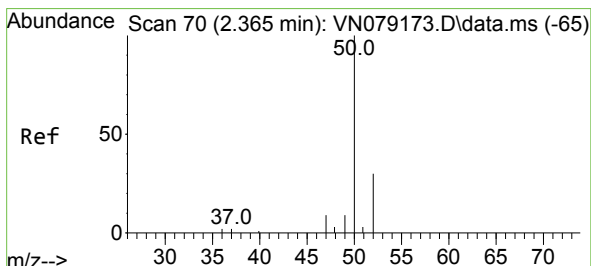
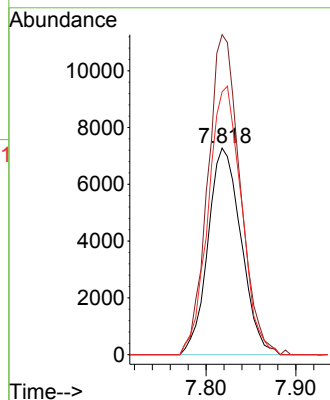
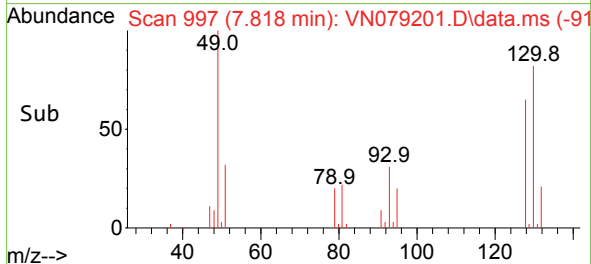


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :

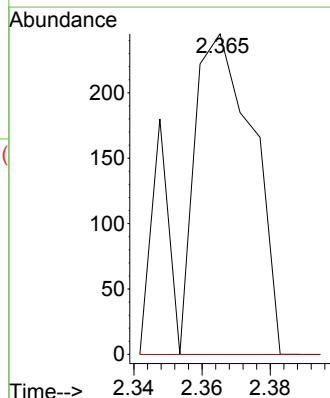
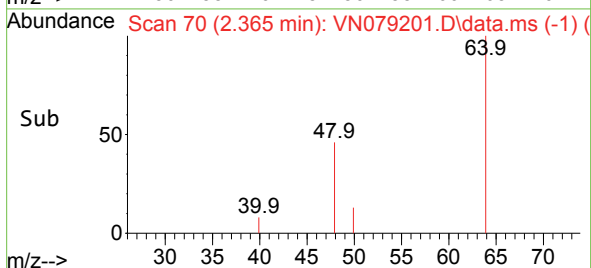
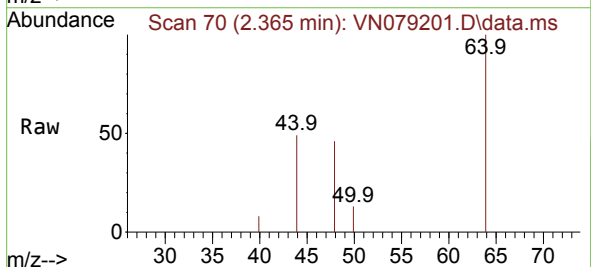


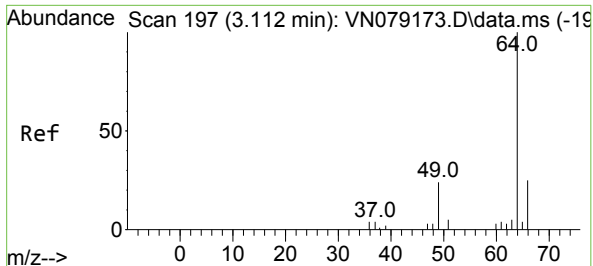
Tgt Ion:128 Resp: 18685
Ion Ratio Lower Upper
128 100
49 151.0 0.0 414.3
130 130.1 0.0 311.0



#3
Chloromethane
Concen: 0.277 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Tgt Ion: 50 Resp: 289
Ion Ratio Lower Upper
50 100
52 0.0 24.0 36.0#

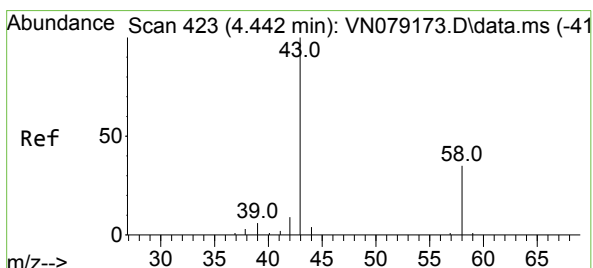
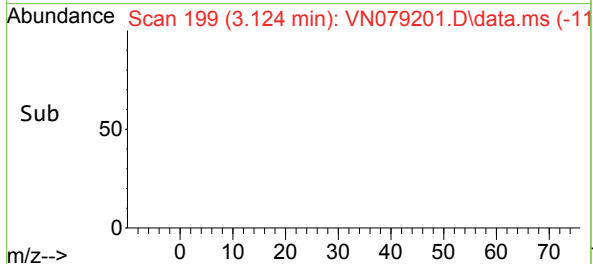
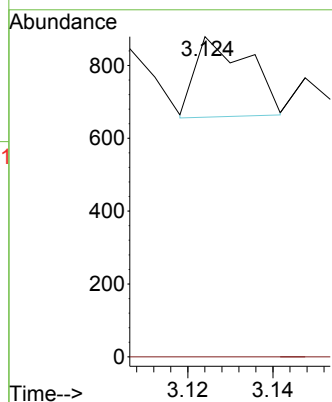
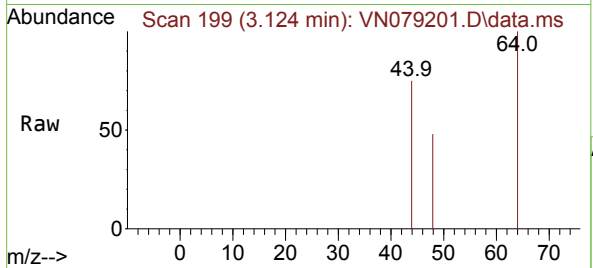




#6
Chloroethane
Concen: 0.305 ug/l
RT: 3.124 min Scan# 197
Delta R.T. 0.012 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

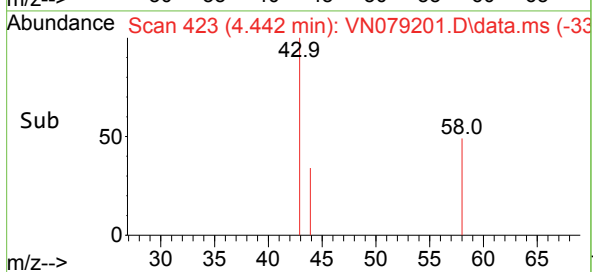
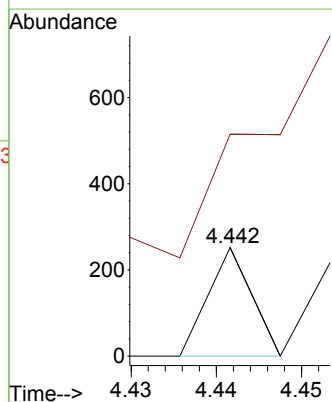
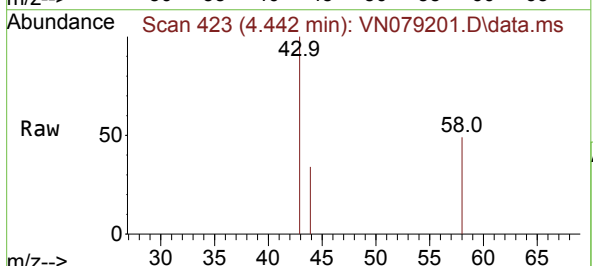
Instrument :
MSVOA_N
ClientSampleId :

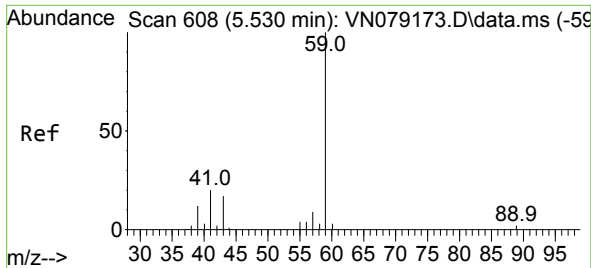
Tgt Ion: 64 Resp: 193
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



#15
Acetone
Concen: 0.759 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

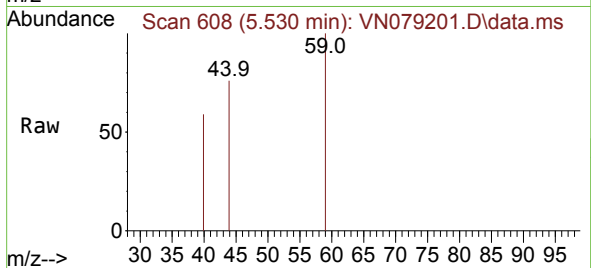
Tgt Ion: 58 Resp: 89
Ion Ratio Lower Upper
58 100
43 113.9 228.3 342.5#



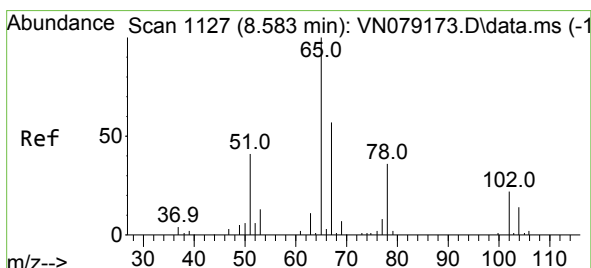
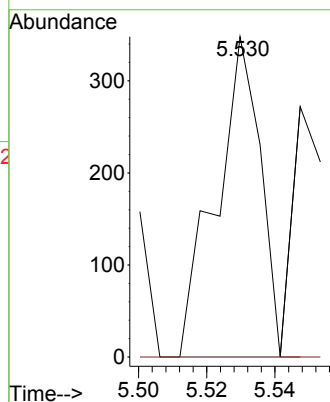
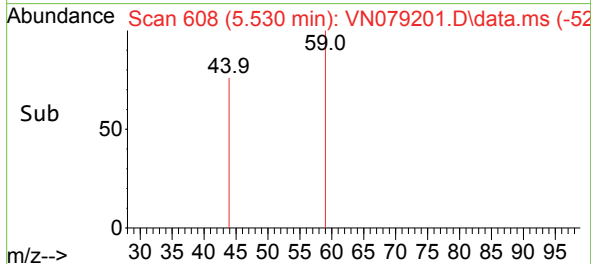


#23
tert-Butyl Alcohol
Concen: 1.817 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Instrument :
MSVOA_N
ClientSampleId :

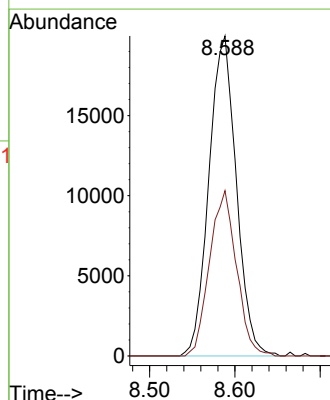
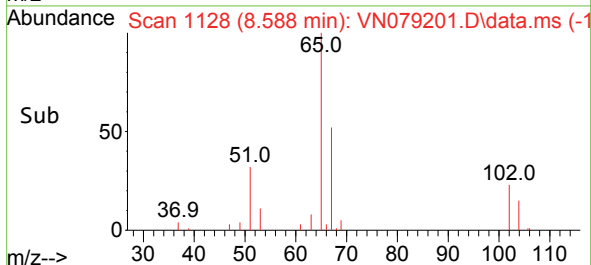
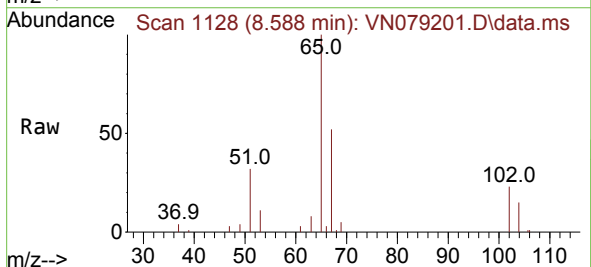


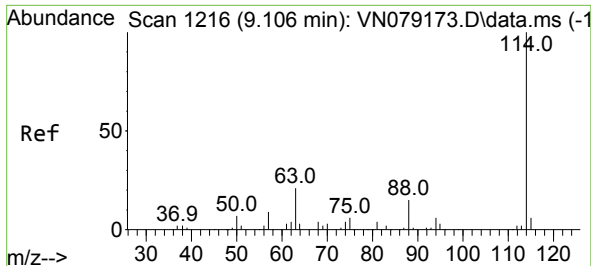
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.788 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Tgt Ion: 65 Resp: 44625
Ion Ratio Lower Upper
65 100
67 50.8 44.4 66.6

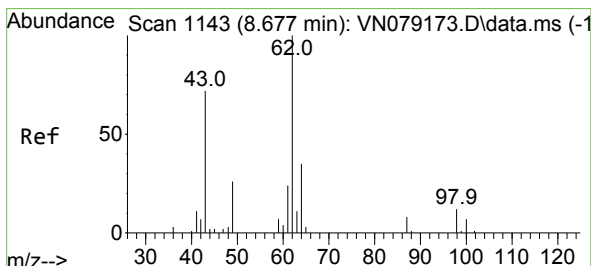
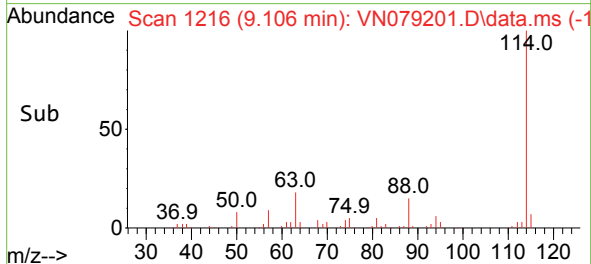
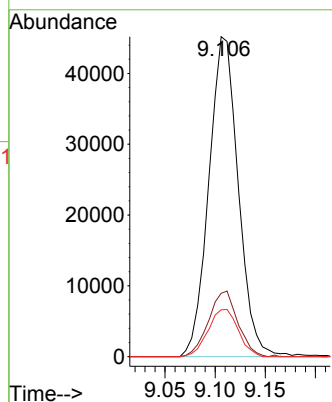
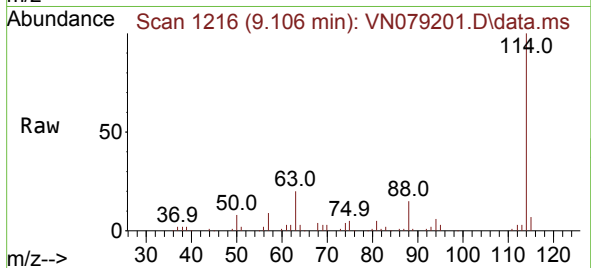




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

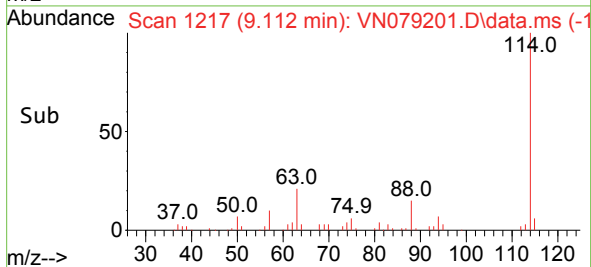
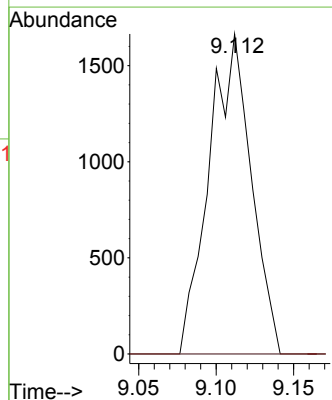
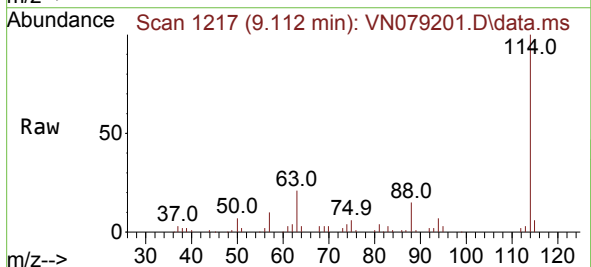
Instrument :
MSVOA_N
ClientSampleId :

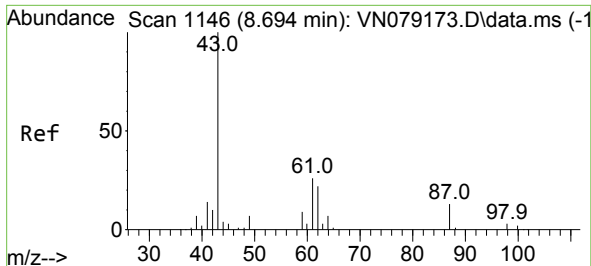
Tgt Ion:114 Resp: 92251
Ion Ratio Lower Upper
114 100
63 20.4 17.0 25.4
88 15.2 12.8 19.2



#36
1,2-Dichloroethane
Concen: 2.031 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.435 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Tgt Ion: 62 Resp: 3147
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

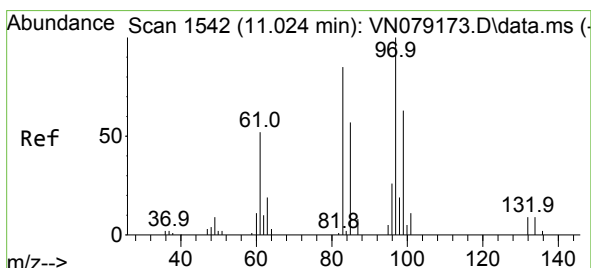
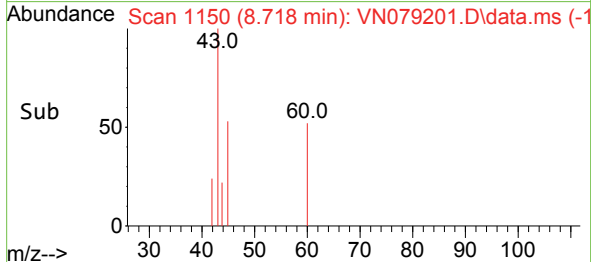
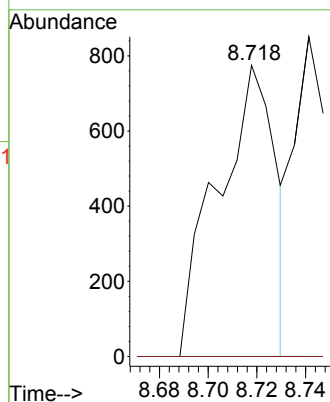
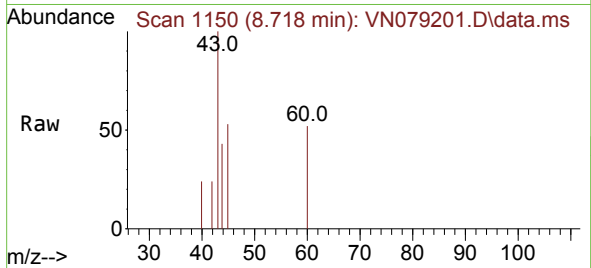




#44
Isopropyl Acetate
Concen: 0.505 ug/l
RT: 8.718 min Scan# 1146
Delta R.T. 0.024 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

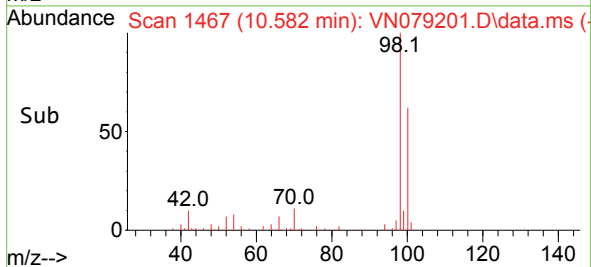
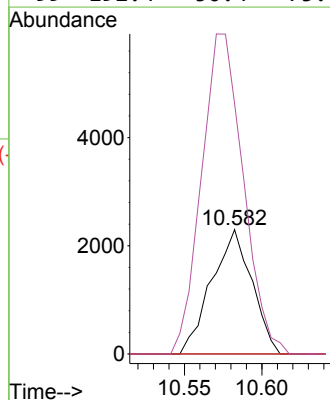
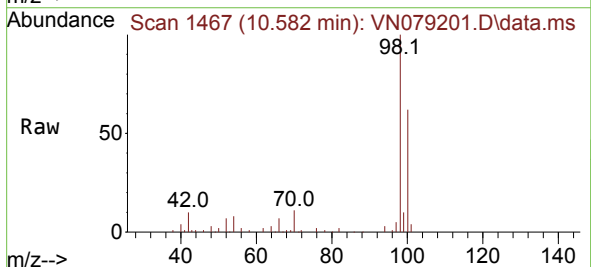
Instrument :
MSVOA_N
ClientSampleId :

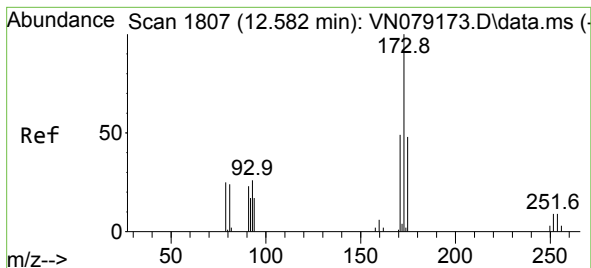
Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
61 75.6 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.709 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.442 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Tgt Ion: 97 Resp: 4160
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 192.4 50.4 75.6#





#56

Bromoform

Concen: 0.209 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

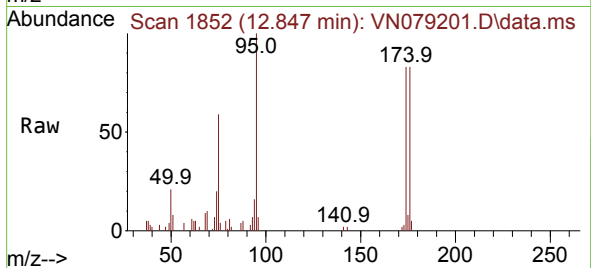
Lab File: VN079201.D

Acq: 08 Sep 2023 16:41

Instrument :

MSVOA_N

ClientSampleId :



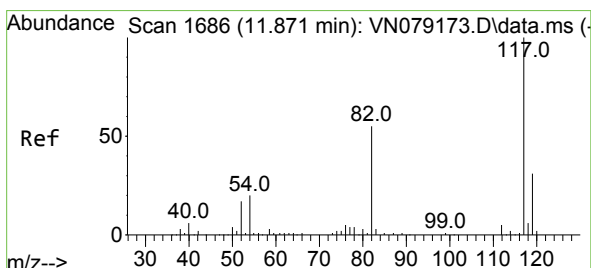
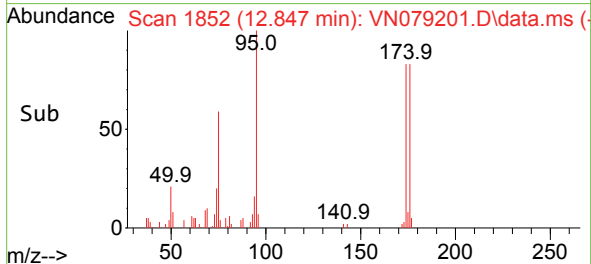
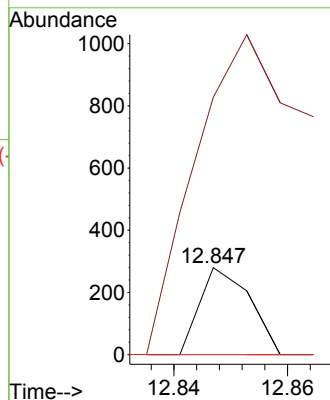
Tgt Ion:173 Resp: 171

Ion Ratio Lower Upper

173 100

175 957.3 37.6 56.4#

254 0.0 7.8 11.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VN079201.D

Acq: 08 Sep 2023 16:41

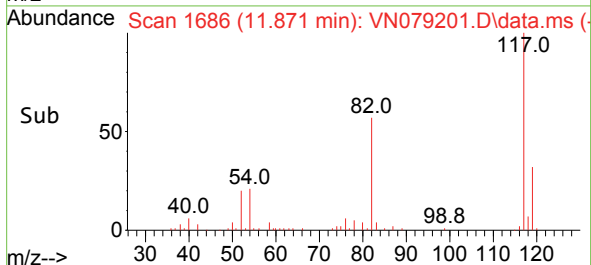
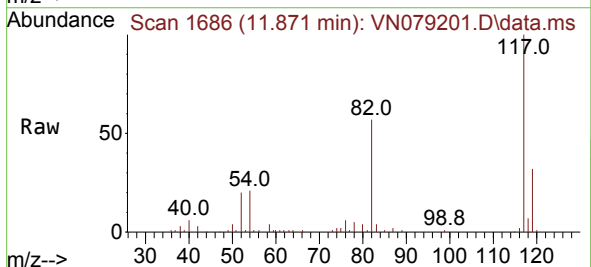
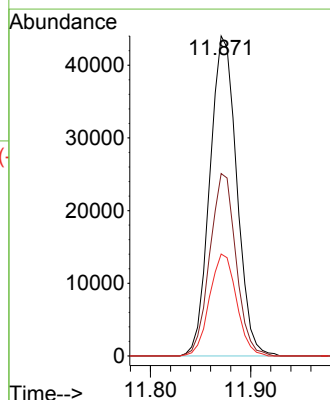
Tgt Ion:117 Resp: 81980

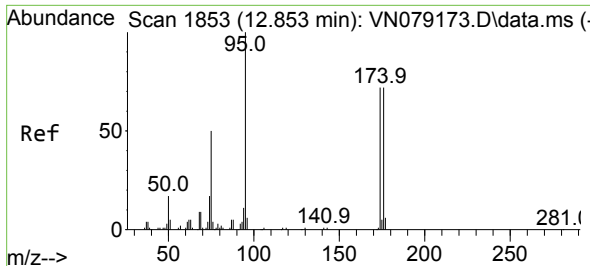
Ion Ratio Lower Upper

117 100

82 55.6 44.7 67.1

119 31.9 24.9 37.3

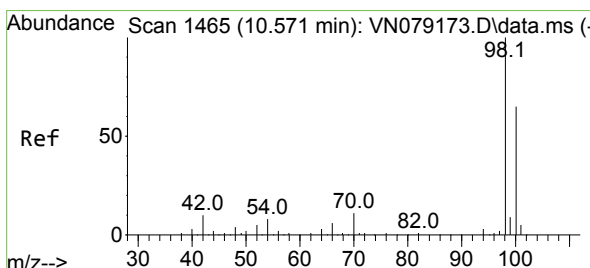
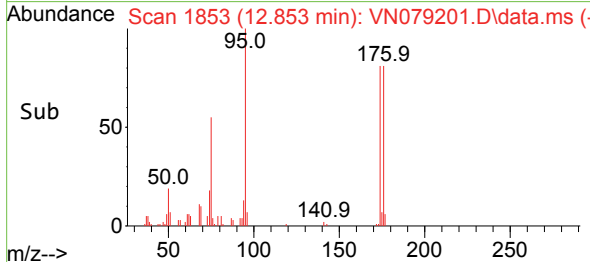
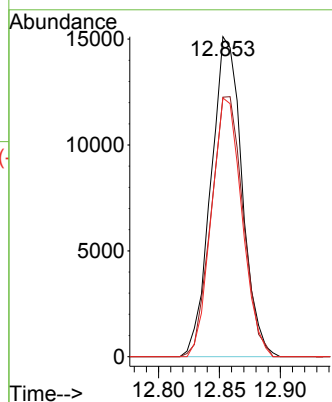
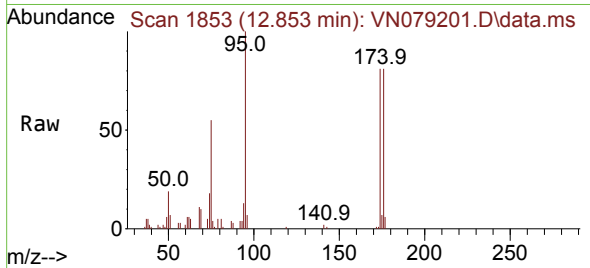




#60
4-Bromofluorobenzene
Concen: 22.207 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

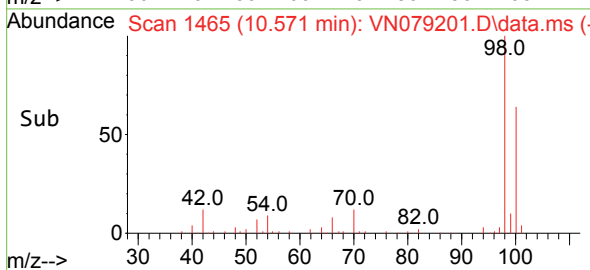
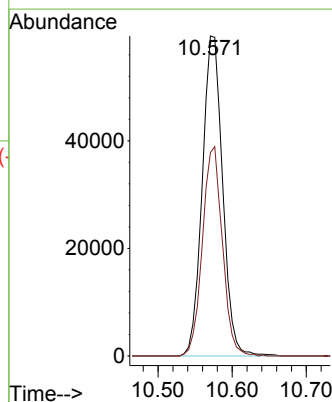
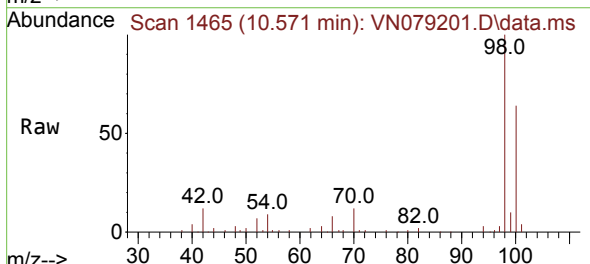
Instrument :
MSVOA_N
ClientSampleId :

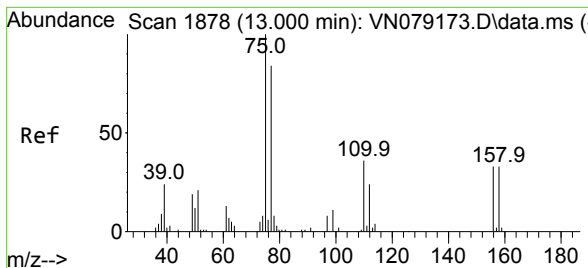
Tgt Ion: 95 Resp: 26824
Ion Ratio Lower Upper
95 100
174 83.1 59.5 89.3
176 79.4 59.1 88.7



#63
Toluene-d8
Concen: 29.639 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079201.D
Acq: 08 Sep 2023 16:41

Tgt Ion: 98 Resp: 113554
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7





#72

1,2,3-Trichloropropane

Concen: 10.286 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079201.D

Acq: 08 Sep 2023 16:41

Instrument :

MSVOA_N

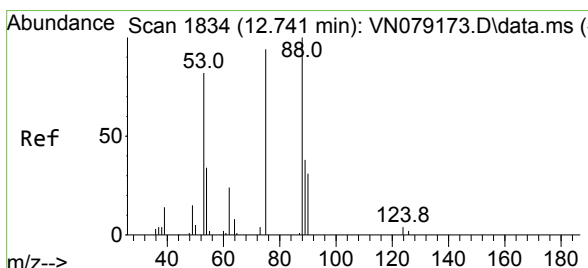
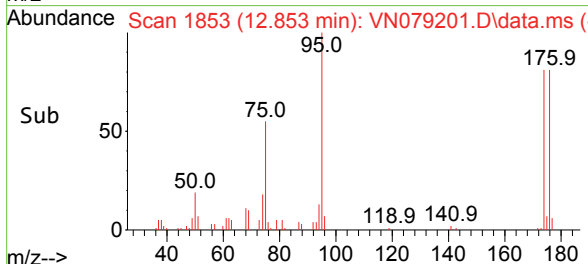
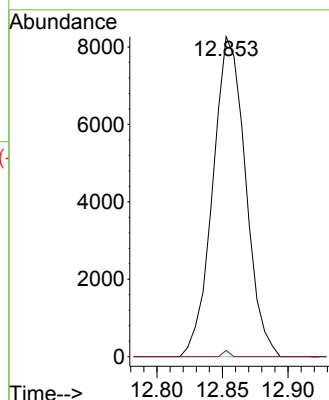
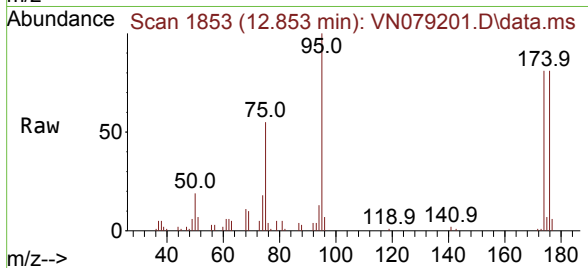
ClientSampleId :

Tgt Ion: 75 Resp: 14352

Ion Ratio Lower Upper

75 100

77 0.0 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 29.215 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079201.D

Acq: 08 Sep 2023 16:41

Tgt Ion: 75 Resp: 14352

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

