

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077618.D
 Acq On : 08 May 2023 15:44
 Operator : JC\MD
 Sample : 02642-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-053-IDWGW-20230504

Quant Time: May 09 06:03:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 09 05:58:09 2023
 Response via : Initial Calibration

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

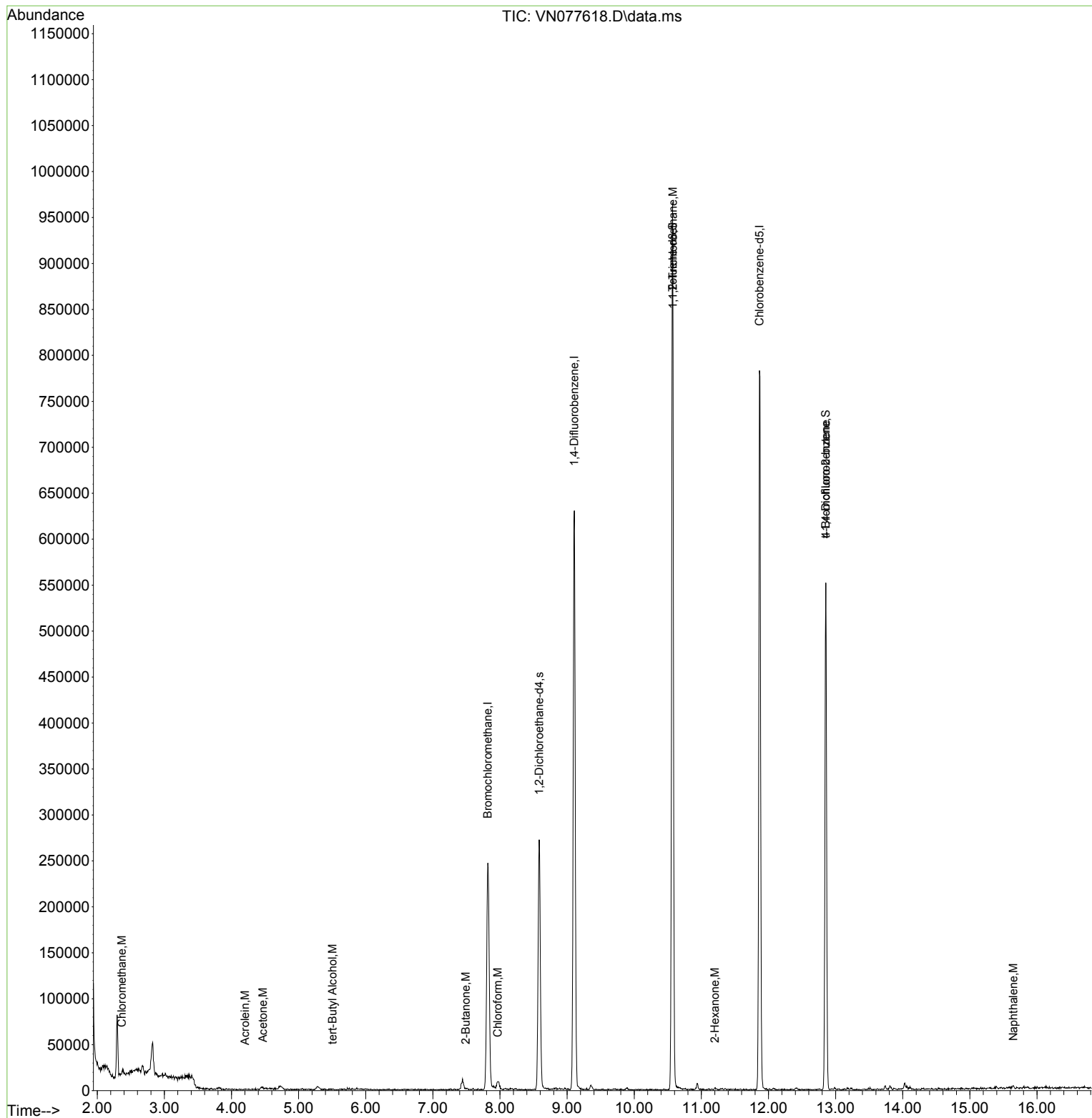
Internal Standards						
1) Bromochloromethane	7.819	128	98719	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	590143	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	492081	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	227807	32.089	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.967%
60) 4-Bromofluorobenzene	12.854	95	205893	26.314	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.700%
63) Toluene-d8	10.571	98	709709	31.227	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.366	50	2657	0.539	ug/l #	81
13) Acrolein	4.201	56	265	0.340	ug/l #	54
15) Acetone	4.466	58	166	0.283	ug/l	98
23) tert-Butyl Alcohol	5.507	59	239	0.315	ug/l #	100
25) Chloroform	7.966	83	9099	0.784	ug/l #	81
30) 2-Butanone	7.489	43	467	0.206	ug/l #	49
50) 1,1,2-Trichloroethane	10.577	97	20580	3.052	ug/l #	1
59) 2-Hexanone	11.201	43	1236	0.378	ug/l #	56
77) t-1,4-Dichloro-2-butene	12.854	75	103181	43.663	ug/l #	12
91) Naphthalene	15.648	128	3394	0.252	ug/l #	88

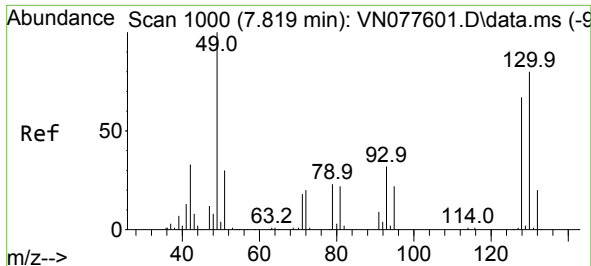
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
Data File : VN077618.D
Acq On : 08 May 2023 15:44
Operator : JC\MD
Sample : 02642-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

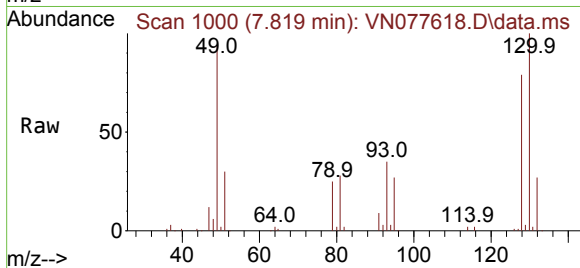
Quant Time: May 09 06:03:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 09 05:58:09 2023
Response via : Initial Calibration



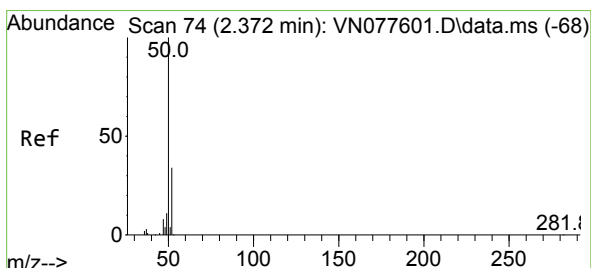
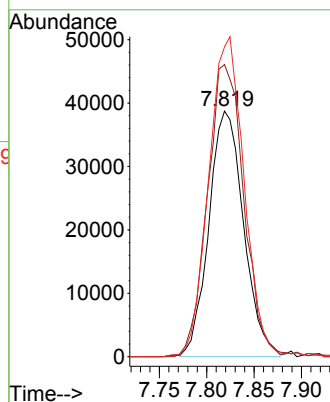
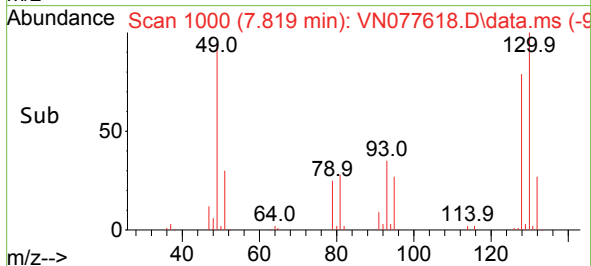


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

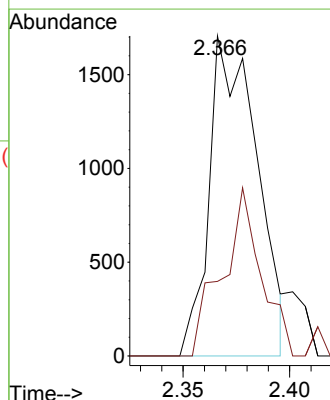
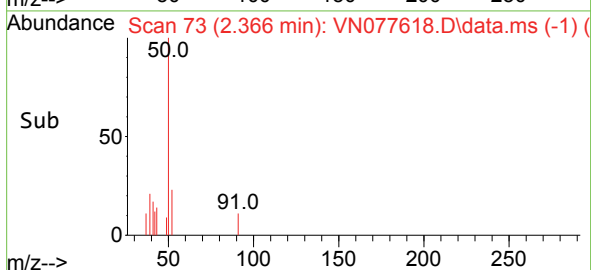
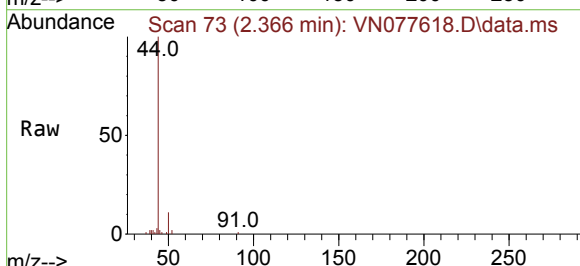


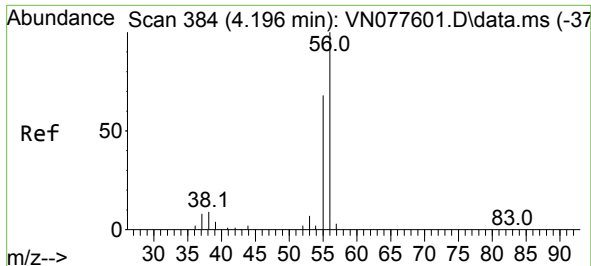
Tgt Ion:128 Resp: 98719
Ion Ratio Lower Upper
128 100
49 124.6 0.0 369.8
130 130.2 0.0 317.8



#3
Chloromethane
Concen: 0.539 ug/l
RT: 2.366 min Scan# 73
Delta R.T. -0.006 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion: 50 Resp: 2657
Ion Ratio Lower Upper
50 100
52 23.3 27.3 40.9#

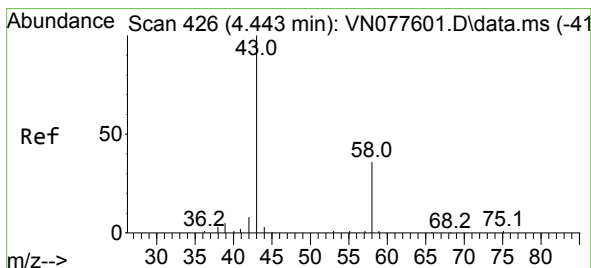
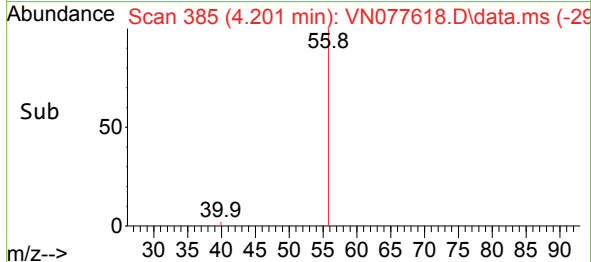
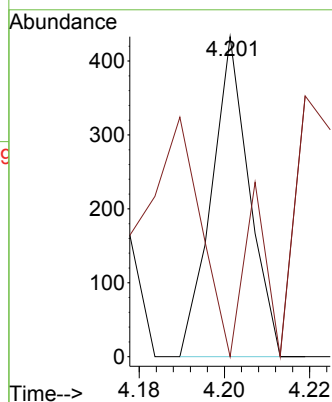
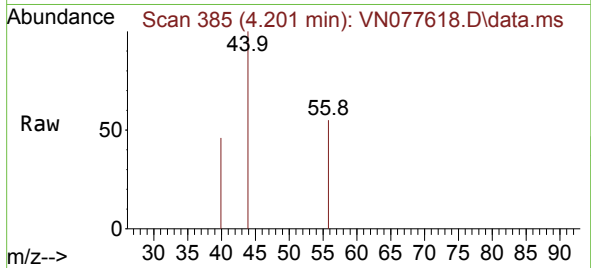




#13
Acrolein
Concen: 0.340 ug/l
RT: 4.201 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

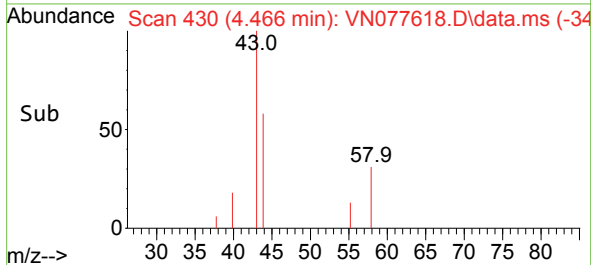
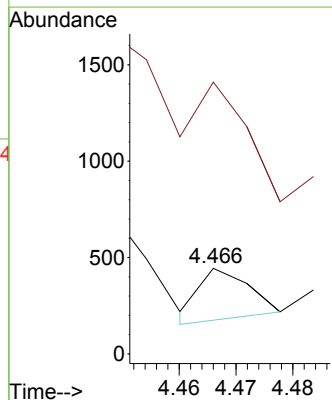
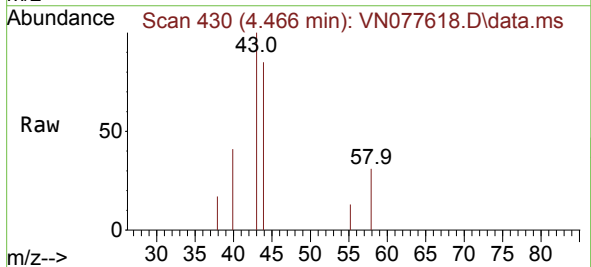
Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

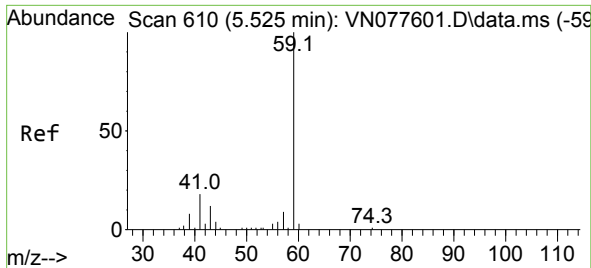
Tgt Ion: 56 Resp: 265
Ion Ratio Lower Upper
56 100
55 31.3 54.8 82.2#



#15
Acetone
Concen: 0.283 ug/l
RT: 4.466 min Scan# 430
Delta R.T. 0.023 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion: 58 Resp: 166
Ion Ratio Lower Upper
58 100
43 274.8 223.2 334.8

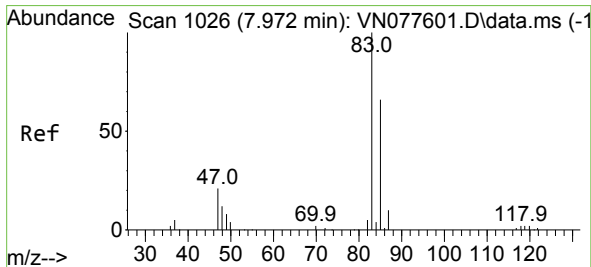
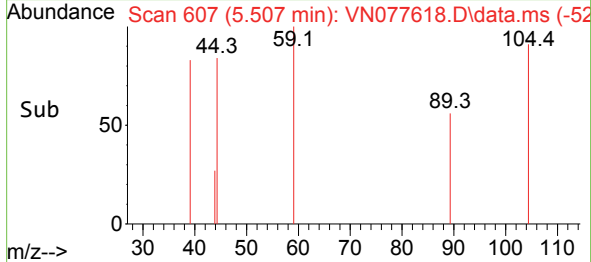
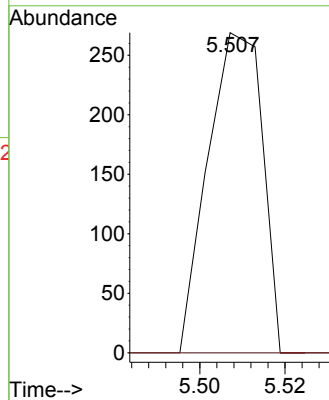
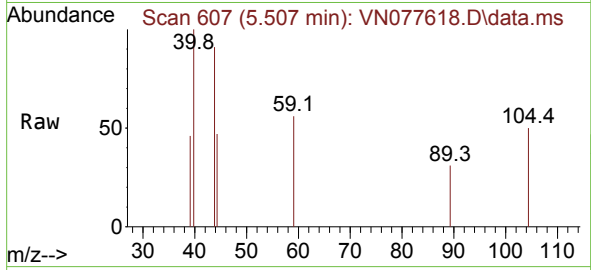




#23
tert-Butyl Alcohol
Concen: 0.315 ug/l
RT: 5.507 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

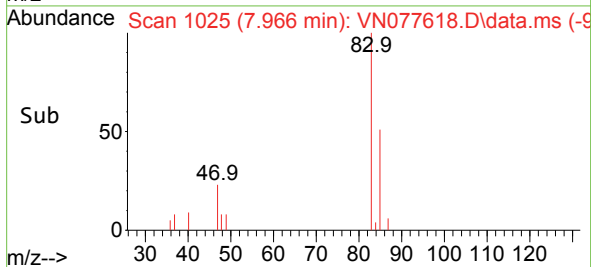
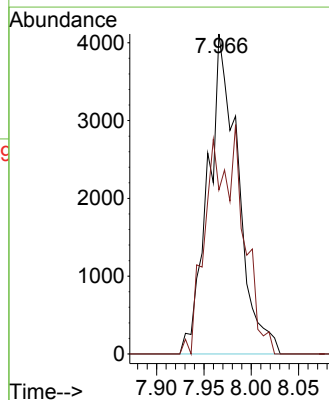
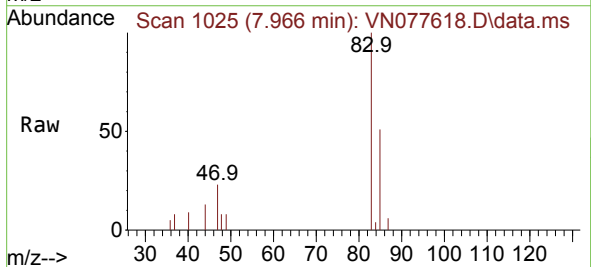
Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

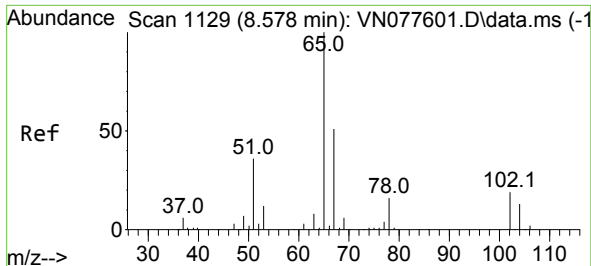
Tgt Ion: 59 Resp: 239
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.784 ug/l
RT: 7.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion: 83 Resp: 9099
Ion Ratio Lower Upper
83 100
85 51.3 53.0 79.6#





#27

1,2-Dichloroethane-d4

Concen: 32.089 ug/l

RT: 8.583 min Scan# 1129

Delta R.T. 0.005 min

Lab File: VN077618.D

Acq: 08 May 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

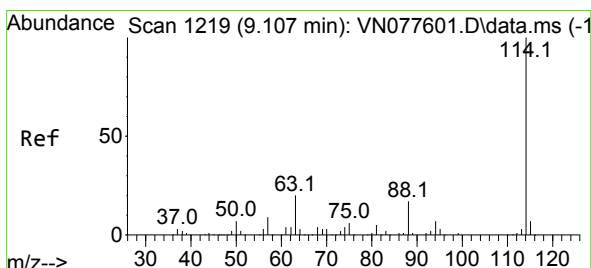
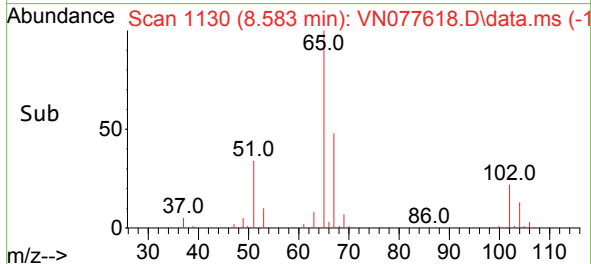
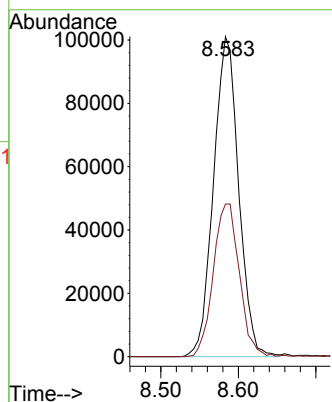
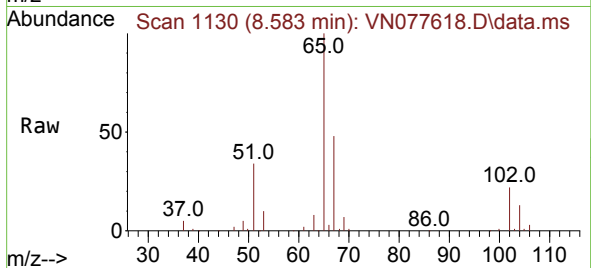
TT-053-IDWGW-20230504

Tgt Ion: 65 Resp: 227807

Ion Ratio Lower Upper

65 100

67 49.4 41.3 61.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN077618.D

Acq: 08 May 2023 15:44

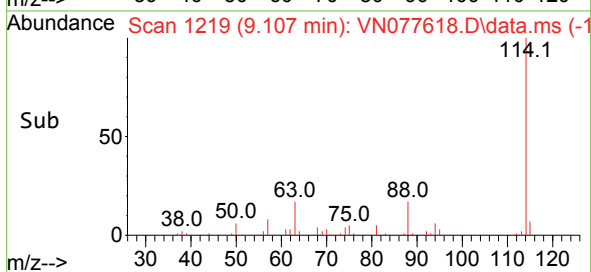
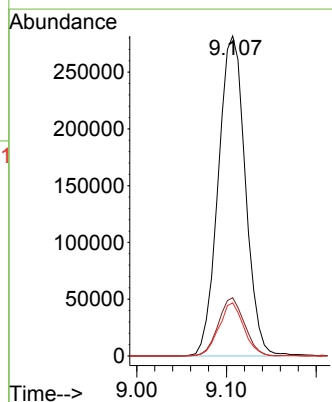
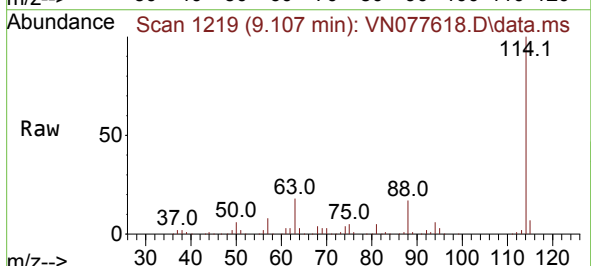
Tgt Ion: 114 Resp: 590143

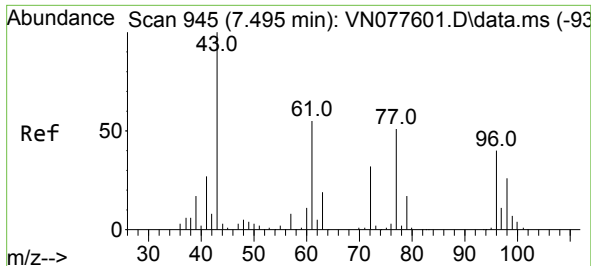
Ion Ratio Lower Upper

114 100

63 17.6 15.8 23.6

88 15.3 13.0 19.4

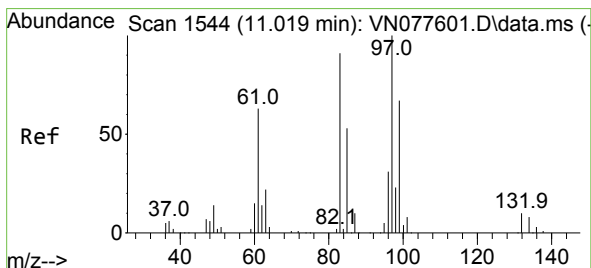
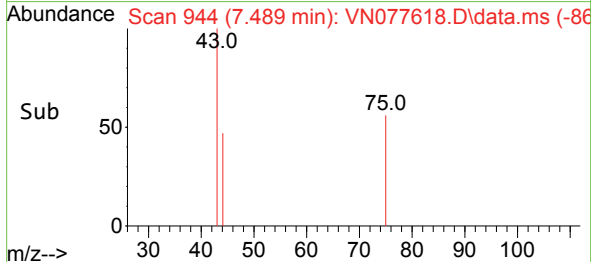
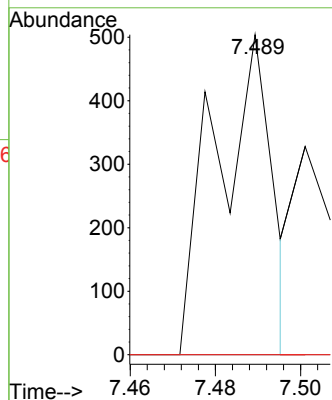
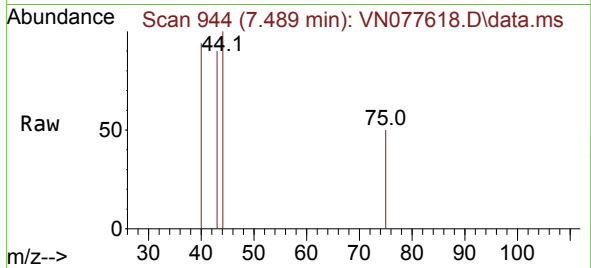




#30
2-Butanone
Concen: 0.206 ug/l
RT: 7.489 min Scan# 945
Delta R.T. -0.006 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

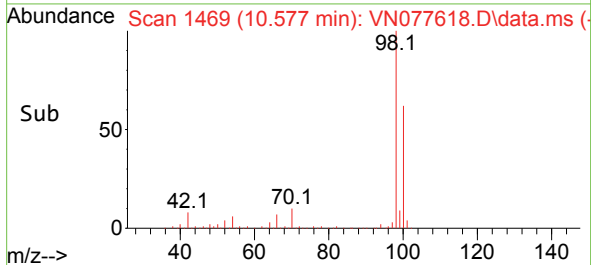
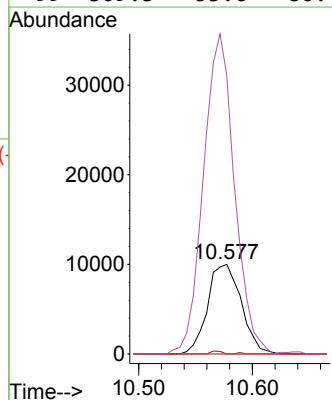
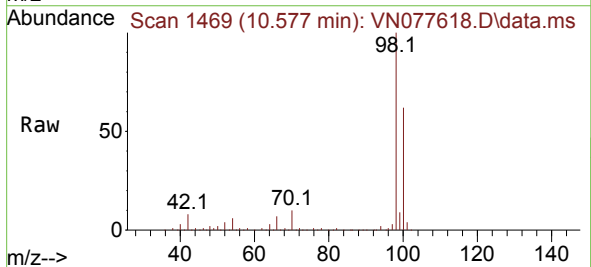
Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

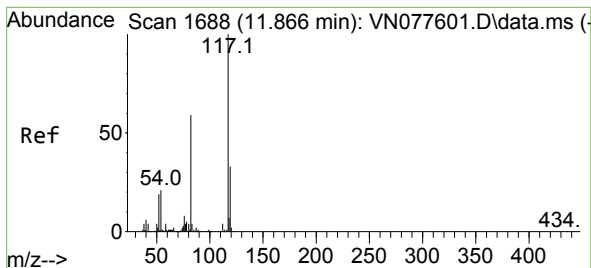
Tgt Ion: 43 Resp: 467
Ion Ratio Lower Upper
43 100
57 0.0 7.2 10.8#
72 0.0 26.2 39.2#



#50
1,1,2-Trichloroethane
Concen: 3.052 ug/l
RT: 10.577 min Scan# 1469
Delta R.T. -0.442 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion: 97 Resp: 20580
Ion Ratio Lower Upper
97 100
83 0.0 72.6 108.8#
85 0.0 42.6 63.8#
99 309.3 53.6 80.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077618.D

Acq: 08 May 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

TT-053-IDWGW-20230504

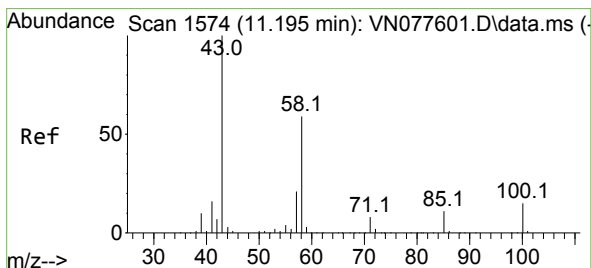
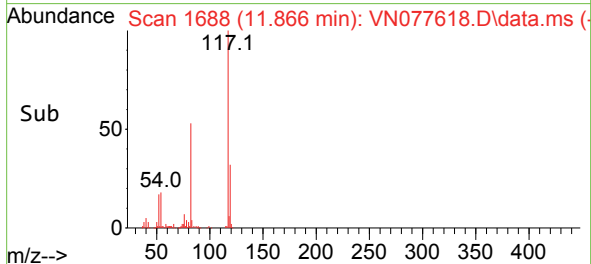
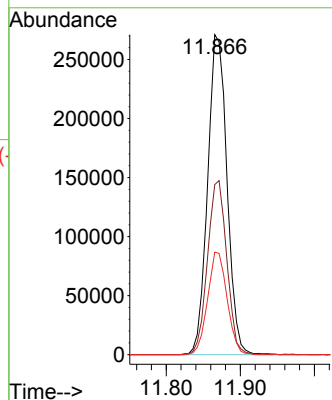
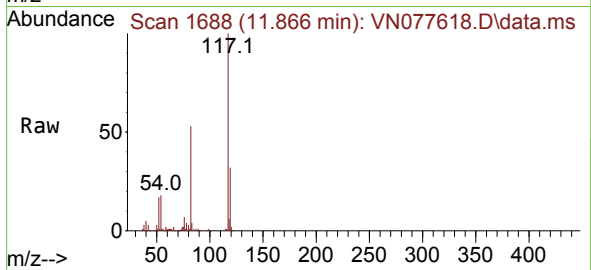
Tgt Ion:117 Resp: 492081

Ion Ratio Lower Upper

117 100

82 54.1 47.4 71.2

119 32.2 26.6 39.8



#59

2-Hexanone

Concen: 0.378 ug/l

RT: 11.201 min Scan# 1575

Delta R.T. 0.006 min

Lab File: VN077618.D

Acq: 08 May 2023 15:44

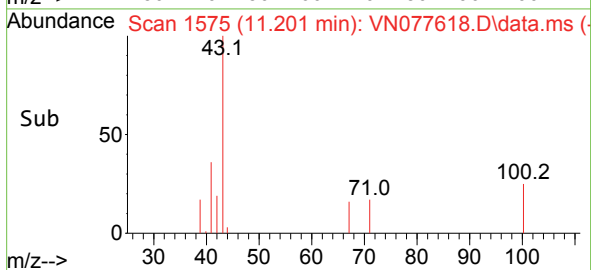
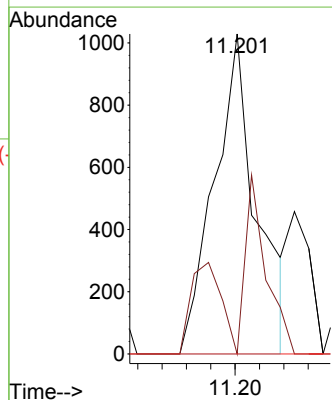
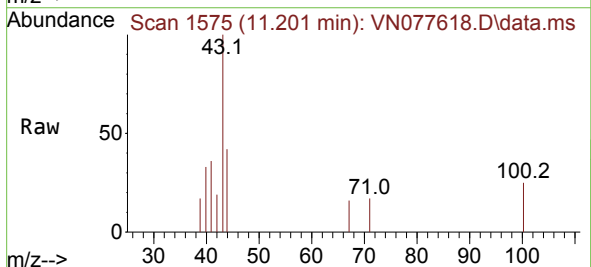
Tgt Ion: 43 Resp: 1236

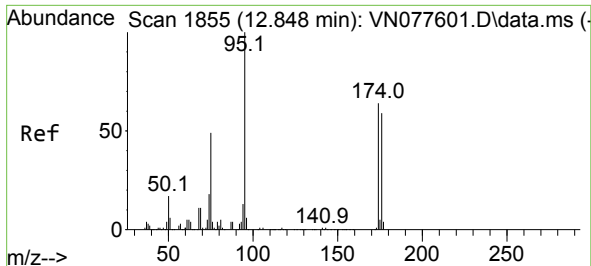
Ion Ratio Lower Upper

43 100

58 27.5 48.2 72.2#

57 0.0 17.3 25.9#

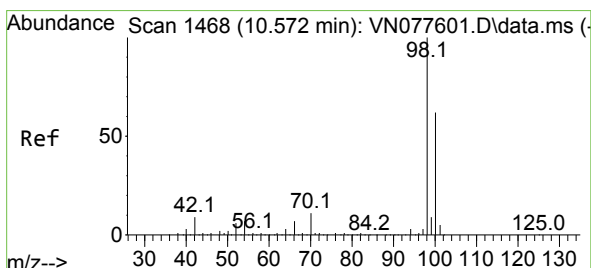
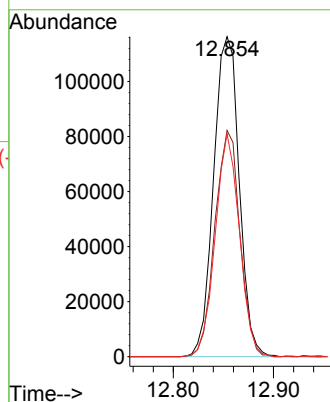
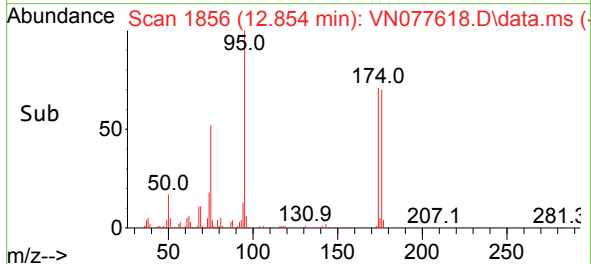
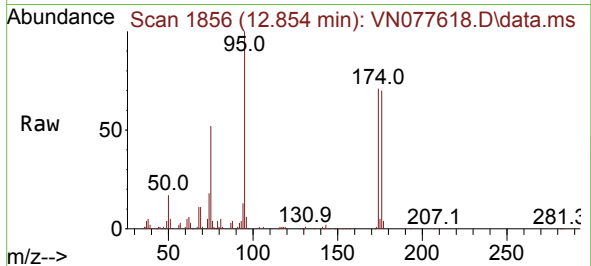




#60
4-Bromofluorobenzene
Concen: 26.314 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

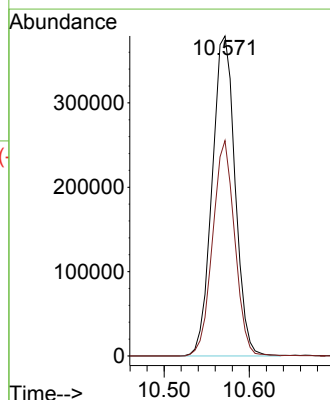
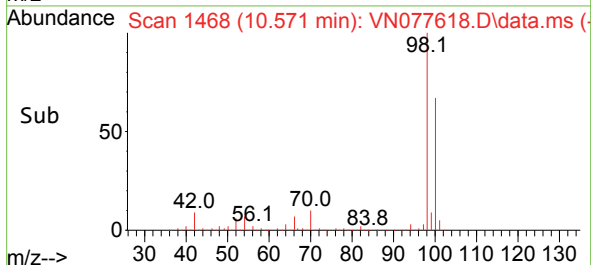
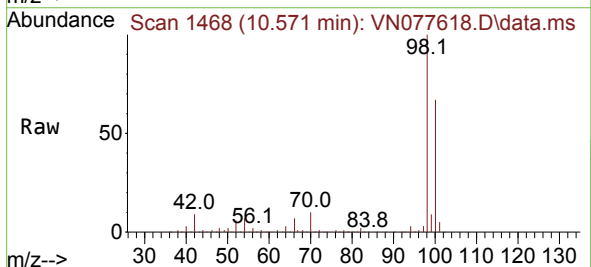
Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

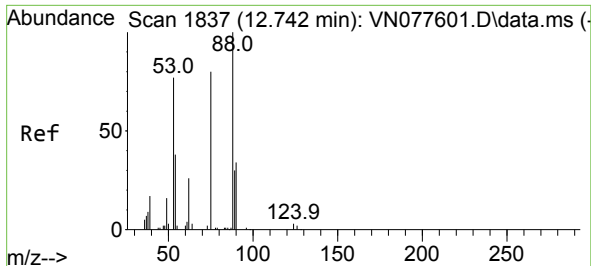
Tgt Ion: 95 Resp: 205893
Ion Ratio Lower Upper
95 100
174 69.3 53.4 80.0
176 65.8 50.0 75.0



#63
Toluene-d8
Concen: 31.227 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion: 98 Resp: 709709
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

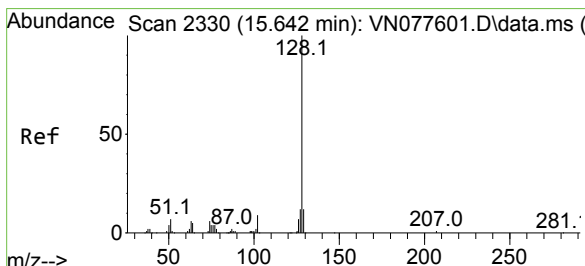
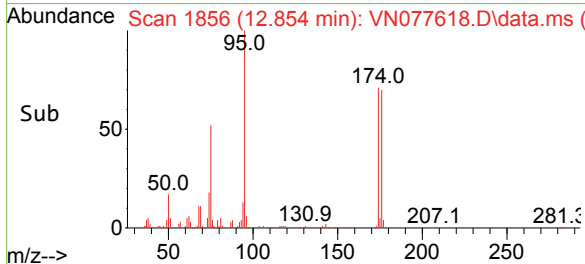
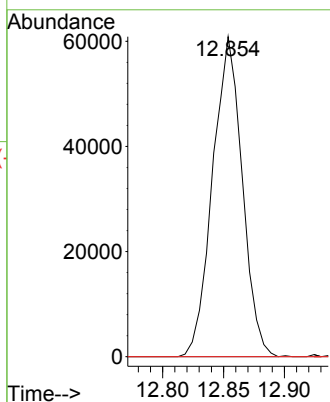
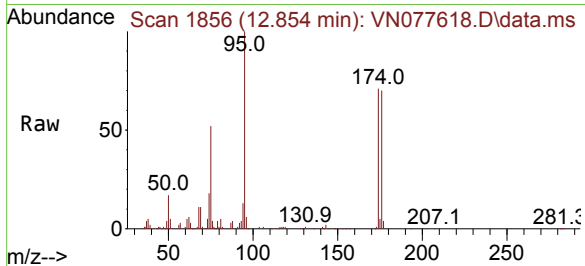




#77
t-1,4-Dichloro-2-butene
Concen: 43.663 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.112 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :
TT-053-IDWGW-20230504

Tgt Ion: 75 Resp: 103181
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.7#
89 0.0 21.0 63.0#



#91
Naphthalene
Concen: 0.252 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077618.D
Acq: 08 May 2023 15:44

Tgt Ion:128 Resp: 3394
Ion Ratio Lower Upper
128 100
127 5.9 9.6 14.4#
129 8.1 9.1 13.7#

