

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050823\
 Data File : VN077620.D
 Acq On : 08 May 2023 16:32
 Operator : JC\MD
 Sample : 02642-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-052-IDWGW-20230504

Quant Time: May 09 06:03:41 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)

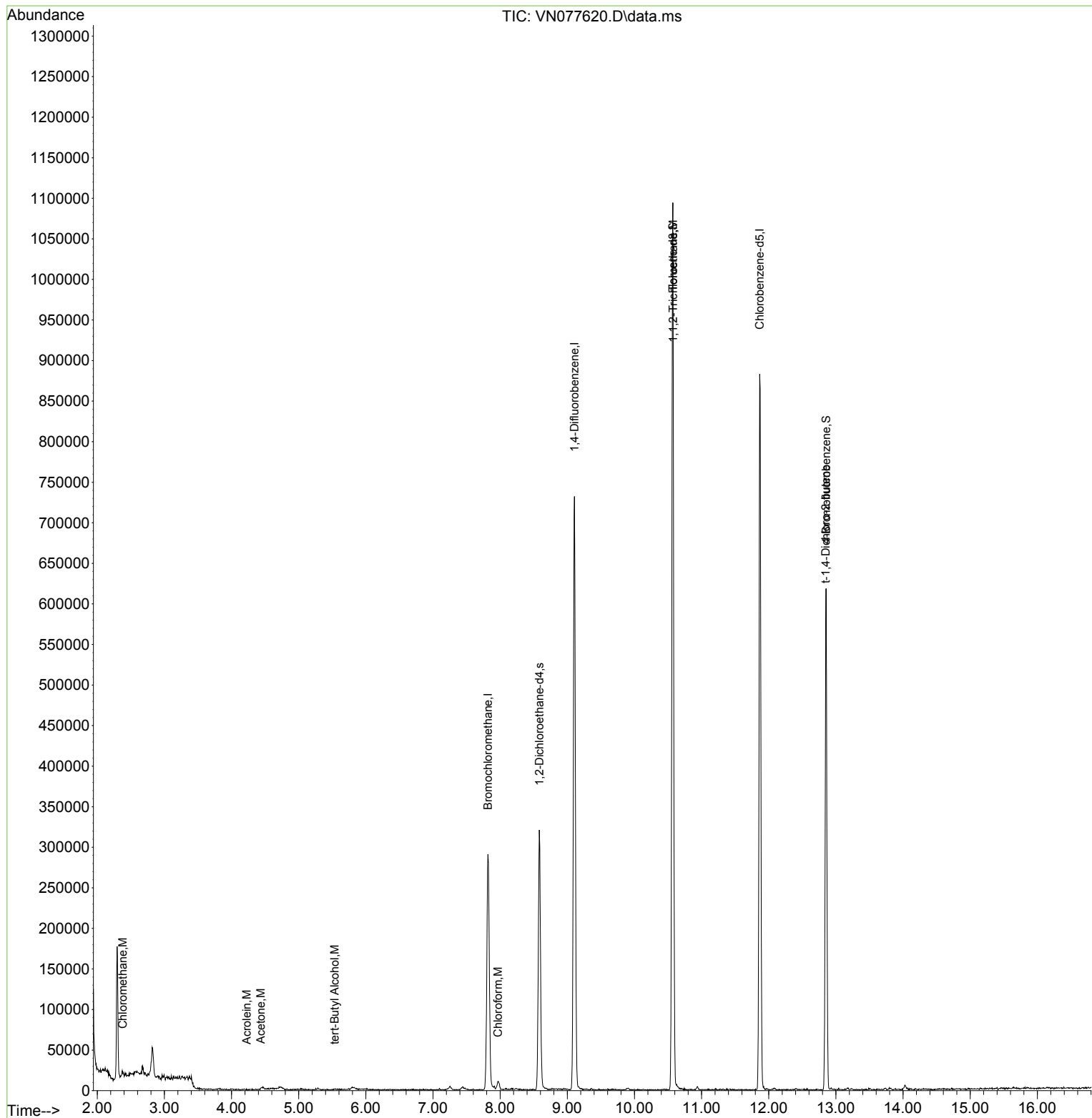
Internal Standards						
1) Bromochloromethane	7.819	128	114880	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	676727	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	562613	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	259220	31.377	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.600%
60) 4-Bromofluorobenzene	12.854	95	227209	25.398	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.667%
63) Toluene-d8	10.571	98	808570	31.116	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	2764	0.482	ug/l #	76
13) Acrolein	4.225	56	228	0.252	ug/l	86
15) Acetone	4.436	58	308	0.451	ug/l #	62
23) tert-Butyl Alcohol	5.536	59	314	0.356	ug/l #	100
25) Chloroform	7.966	83	11196	0.829	ug/l #	78
50) 1,1,2-Trichloroethane	10.577	97	22744	2.941	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.848	75	117977	43.665	ug/l #	12

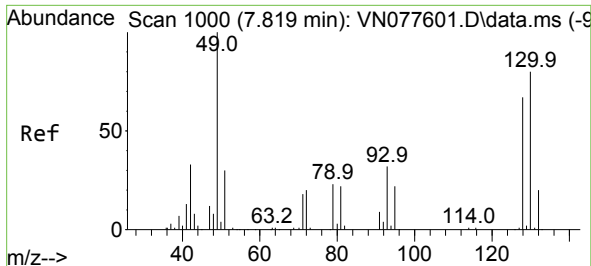
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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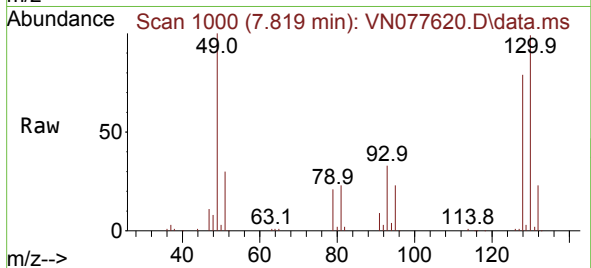
Quant Time: May 09 06:03:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N050823W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 09 05:58:09 2023
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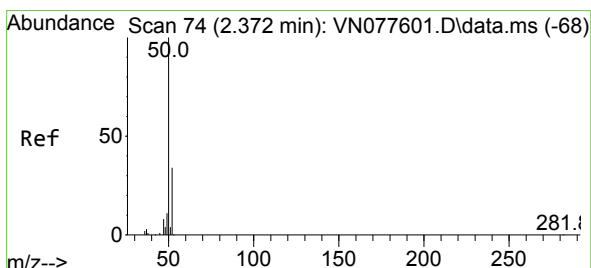
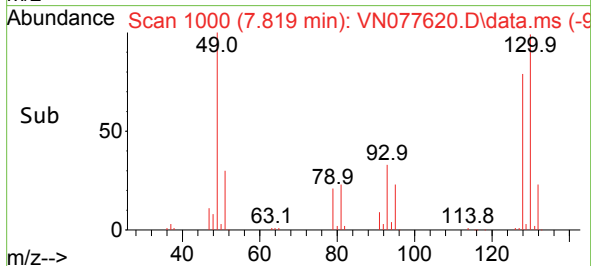
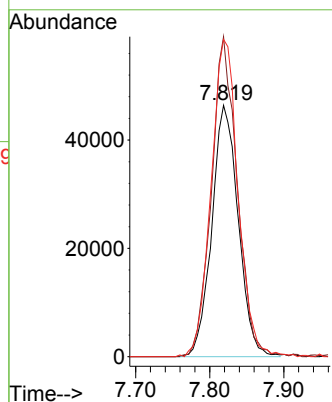


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

Instrument :
MSVOA_N
ClientSampleId :
TT-052-IDWGW-20230504

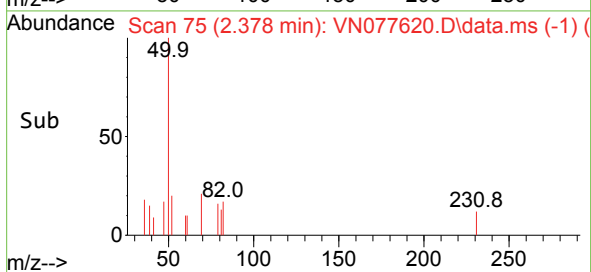
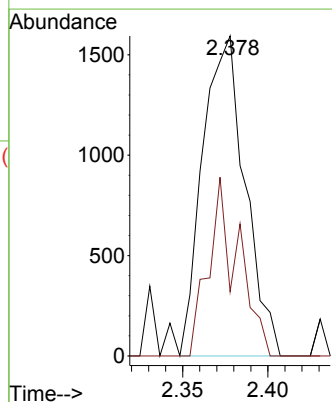
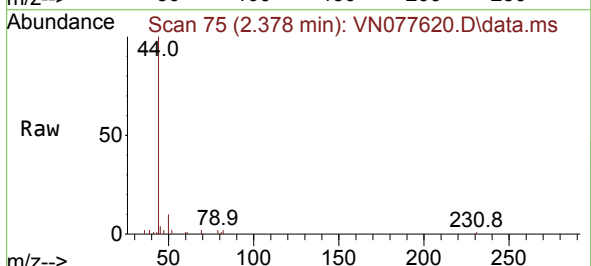


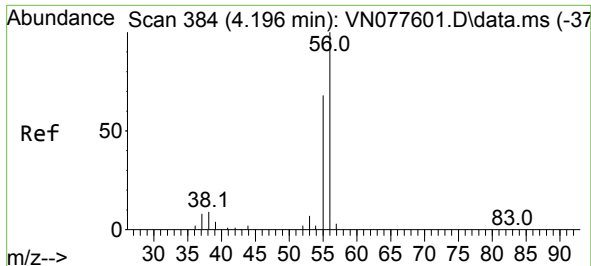
Tgt Ion:128 Resp: 114880
Ion Ratio Lower Upper
128 100
49 122.2 0.0 369.8
130 128.2 0.0 317.8



#3
Chloromethane
Concen: 0.482 ug/l
RT: 2.378 min Scan# 75
Delta R.T. 0.006 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

Tgt Ion: 50 Resp: 2764
Ion Ratio Lower Upper
50 100
52 20.1 27.3 40.9#

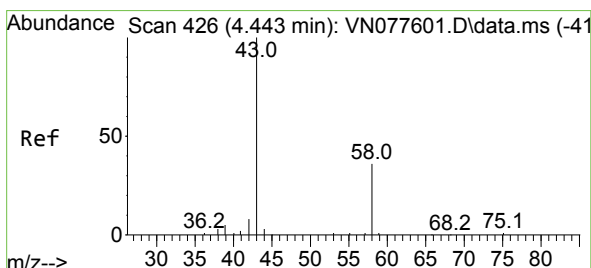
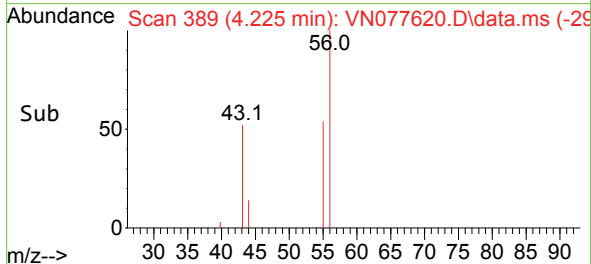
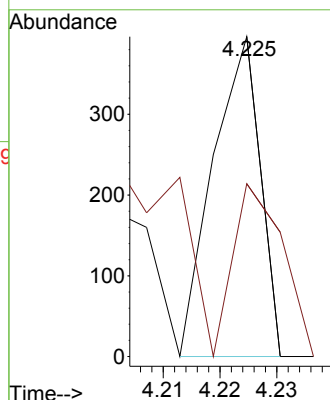
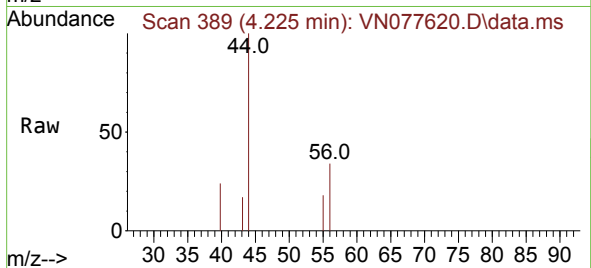




#13
Acrolein
Concen: 0.252 ug/l
RT: 4.225 min Scan# 384
Delta R.T. 0.029 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

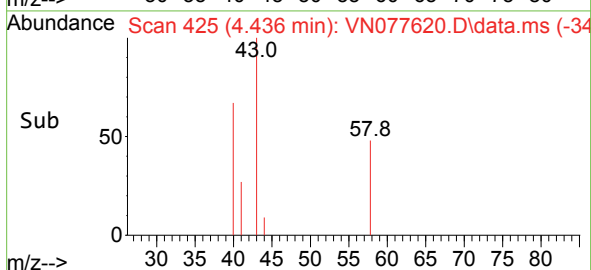
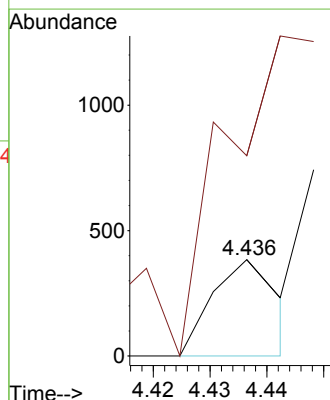
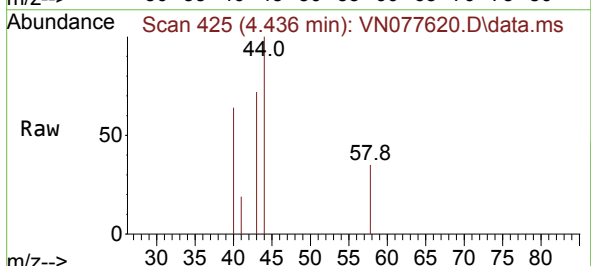
Instrument :
MSVOA_N
ClientSampleId :
TT-052-IDWGW-20230504

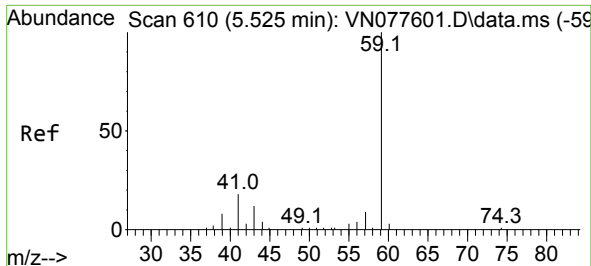
Tgt Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 57.0 54.8 82.2



#15
Acetone
Concen: 0.451 ug/l
RT: 4.436 min Scan# 425
Delta R.T. -0.007 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

Tgt Ion: 58 Resp: 308
Ion Ratio Lower Upper
58 100
43 207.8 223.2 334.8#

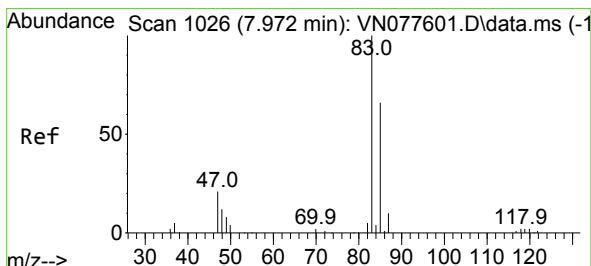
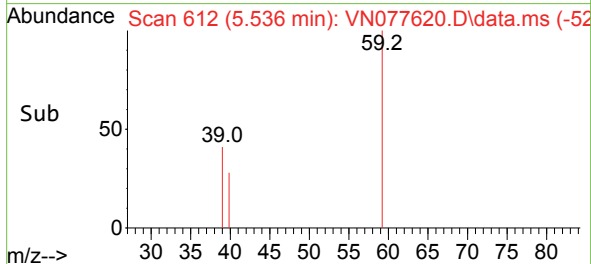
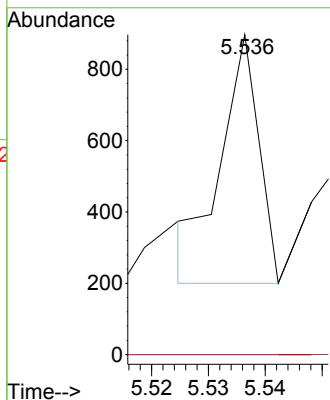
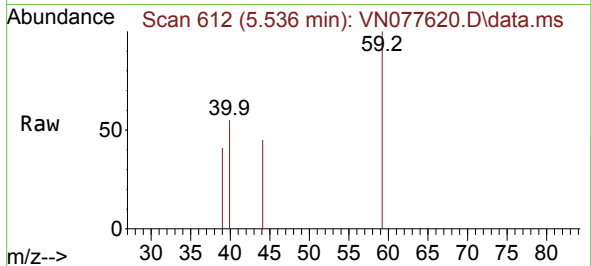




#23
tert-Butyl Alcohol
Concen: 0.356 ug/l
RT: 5.536 min Scan# 610
Delta R.T. 0.011 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

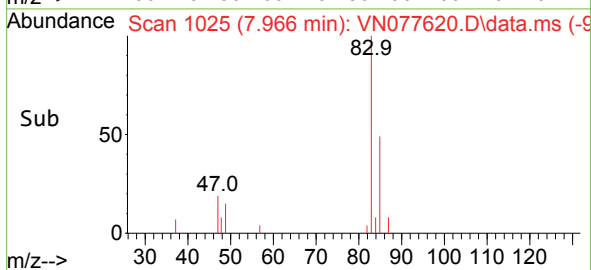
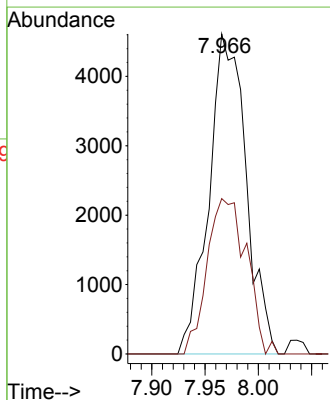
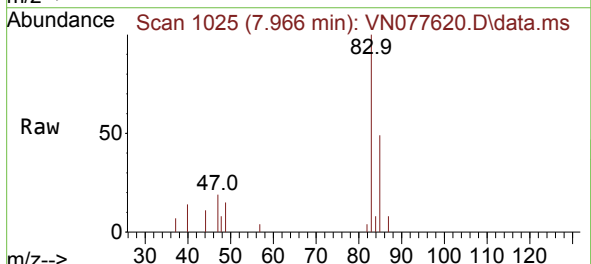
Instrument :
MSVOA_N
ClientSampleId :
TT-052-IDWGW-20230504

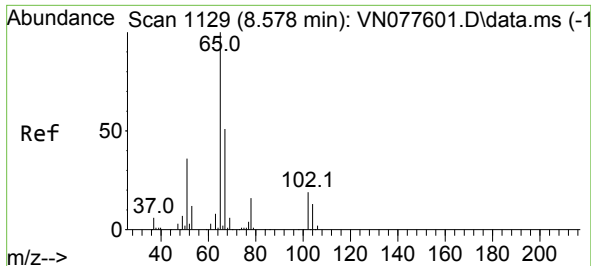
Tgt Ion: 59 Resp: 314
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.829 ug/l
RT: 7.966 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

Tgt Ion: 83 Resp: 11196
Ion Ratio Lower Upper
83 100
85 48.5 53.0 79.6#





#27

1,2-Dichloroethane-d4

Concen: 31.377 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. 0.005 min

Lab File: VN077620.D

Acq: 08 May 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

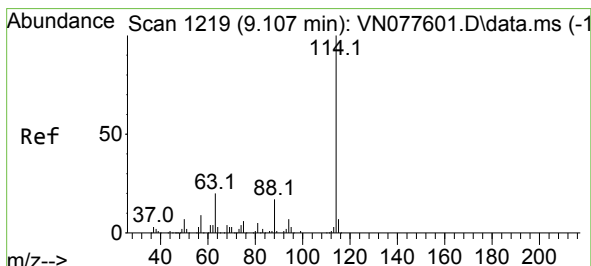
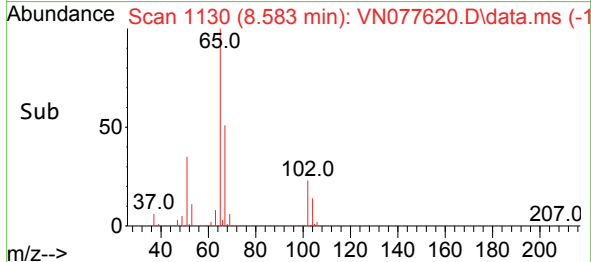
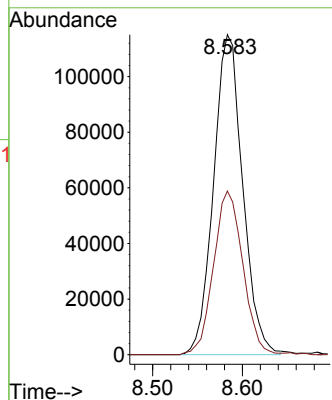
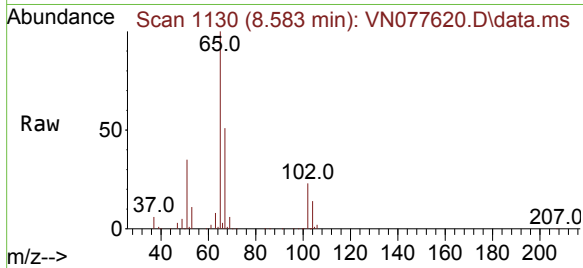
TT-052-IDWGW-20230504

Tgt Ion: 65 Resp: 259220

Ion Ratio Lower Upper

65 100

67 51.4 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: VN077620.D

Acq: 08 May 2023 16:32

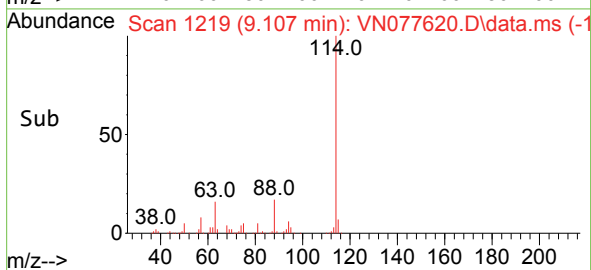
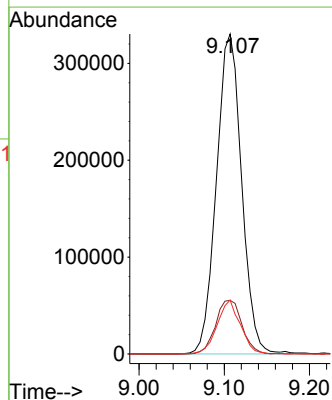
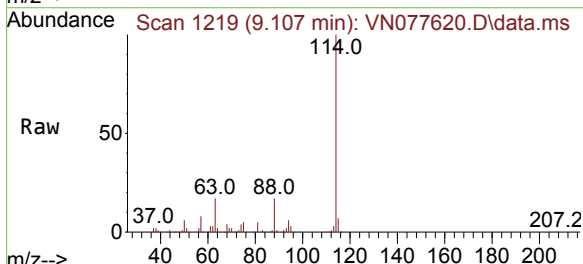
Tgt Ion:114 Resp: 676727

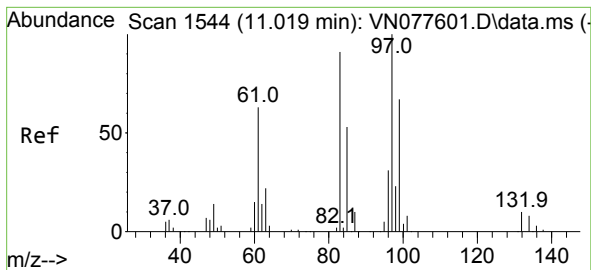
Ion Ratio Lower Upper

114 100

63 17.6 15.8 23.6

88 15.5 13.0 19.4





#50

1,1,2-Trichloroethane

Concen: 2.941 ug/l

RT: 10.577 min Scan# 14

Delta R.T. -0.442 min

Lab File: VN077620.D

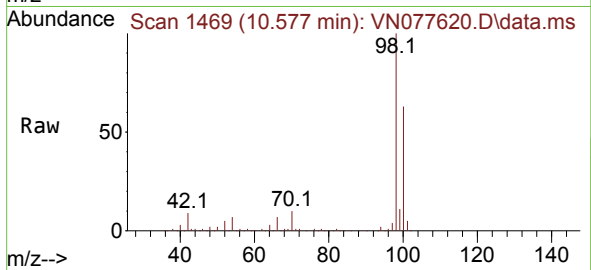
Acq: 08 May 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

TT-052-IDWGW-20230504



Tgt Ion: 97 Resp: 22744

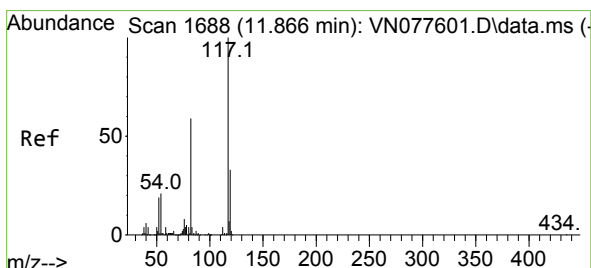
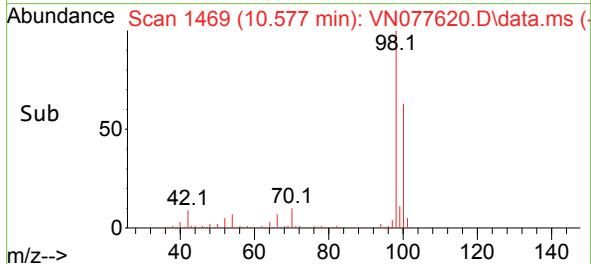
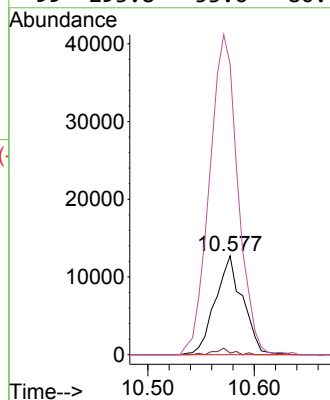
Ion Ratio Lower Upper

97 100

83 1.7 72.6 108.8#

85 0.0 42.6 63.8#

99 293.8 53.6 80.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VN077620.D

Acq: 08 May 2023 16:32

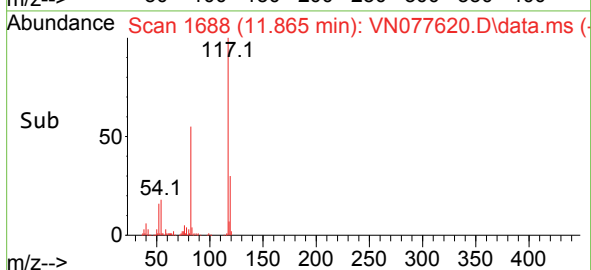
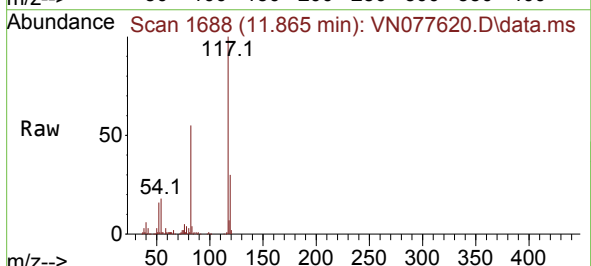
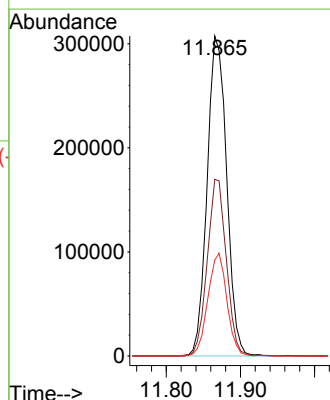
Tgt Ion: 117 Resp: 562613

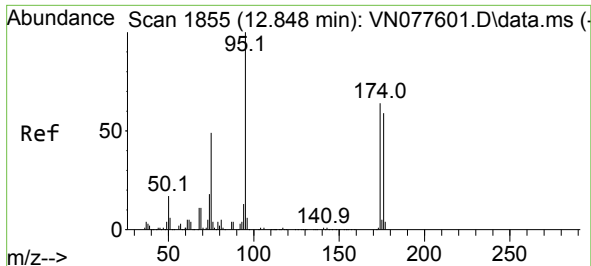
Ion Ratio Lower Upper

117 100

82 53.9 47.4 71.2

119 31.3 26.6 39.8

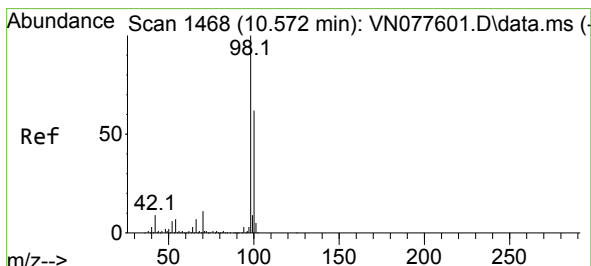
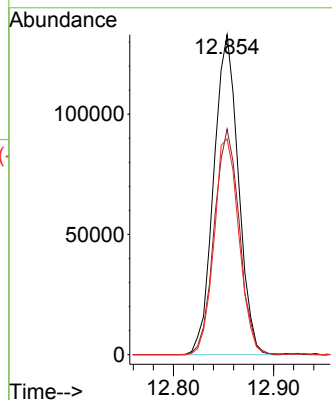
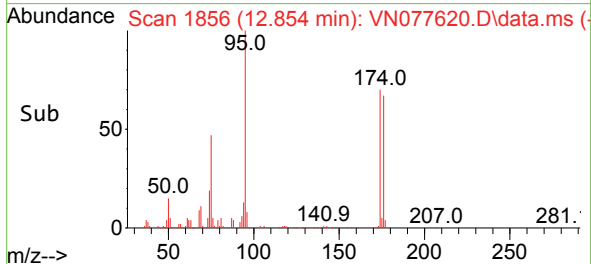
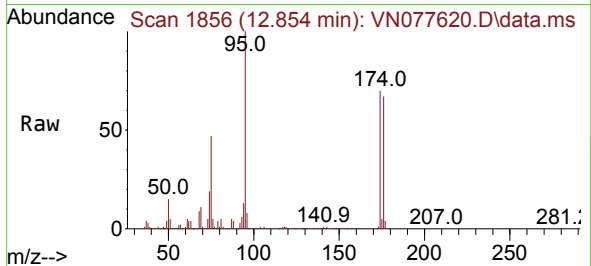




#60
4-Bromofluorobenzene
Concen: 25.398 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

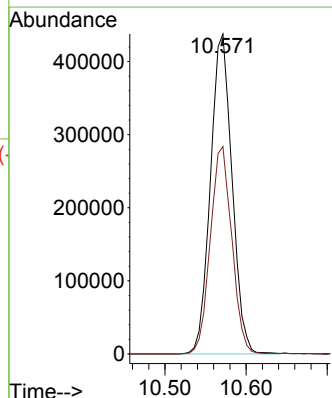
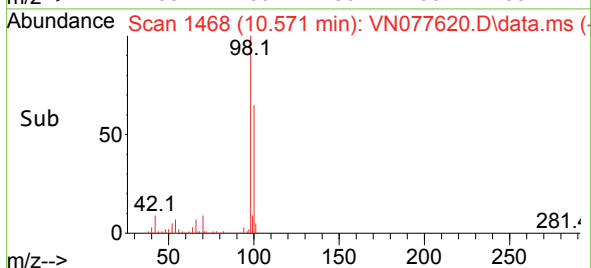
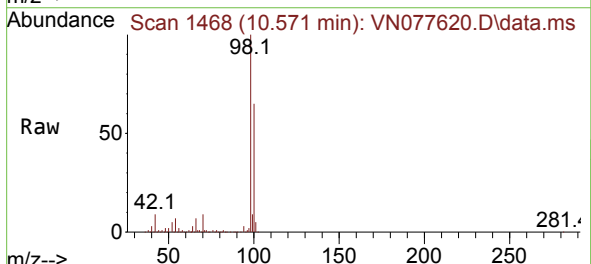
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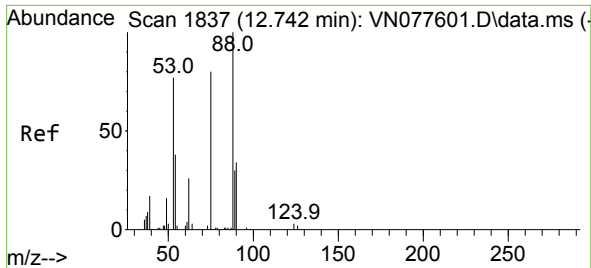
Tgt Ion: 95 Resp: 227209
Ion Ratio Lower Upper
95 100
174 71.7 53.4 80.0
176 68.1 50.0 75.0



#63
Toluene-d8
Concen: 31.116 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077620.D
Acq: 08 May 2023 16:32

Tgt Ion: 98 Resp: 808570
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





#77

t-1,4-Dichloro-2-butene

Concen: 43.665 ug/l

RT: 12.848 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN077620.D

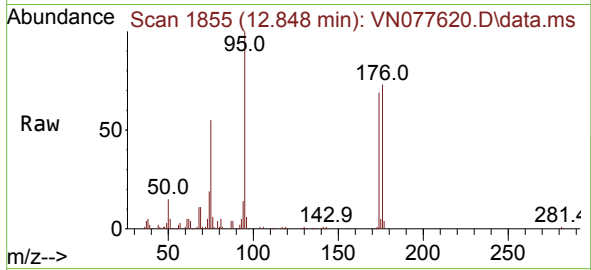
Acq: 08 May 2023 16:32

Instrument :

MSVOA_N

ClientSampleId :

TT-052-IDWGW-20230504



Tgt Ion: 75 Resp: 117977

Ion Ratio Lower Upper

75 100

53 0.0 46.9 140.7#

89 0.0 21.0 63.0#

