

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082322\
 Data File : VN074065.D
 Acq On : 23 Aug 2022 13:58
 Operator : JC\MD
 Sample : N4279-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT-050-IDWGW-20220819

Quant Time: Aug 24 01:20:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072722W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 27 18:07:26 2022
 Response via : Initial Calibration

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

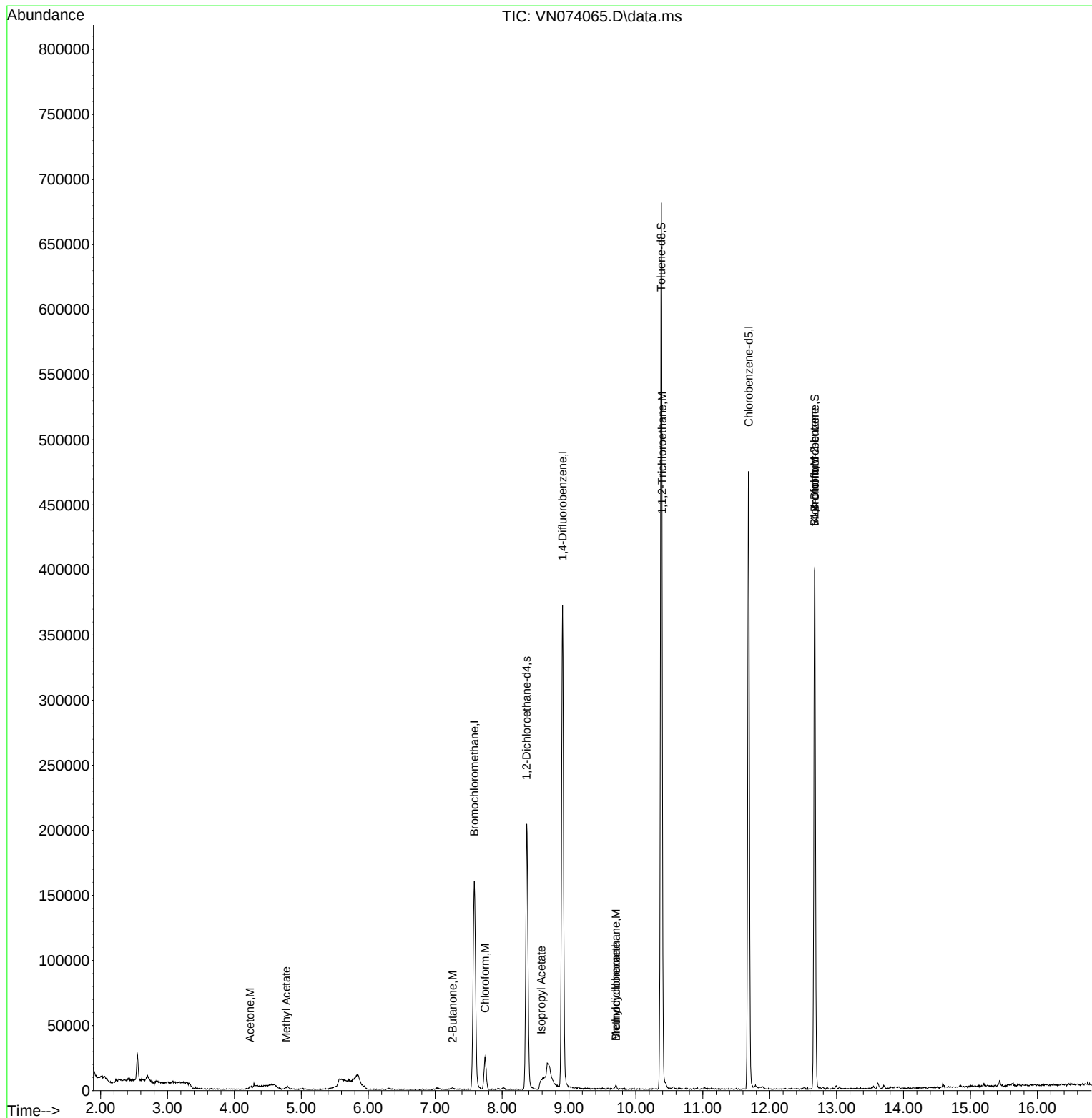
Internal Standards						
1) Bromochloromethane	7.586	128	66166	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.904	114	347042	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.686	117	296618	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	171078	29.904	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.667%		
60) 4-Bromofluorobenzene	12.674	95	135231	25.748	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	85.833%		
63) Toluene-d8	10.380	98	486083	29.103	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.000%		
Target Compounds						
					Qvalue	
12) Methyl Acetate	4.775	43	1519	0.216	ug/l	92
15) Acetone	4.234	58	522	0.578	ug/l #	19
25) Chloroform	7.745	83	23953	2.616	ug/l	100
30) 2-Butanone	7.263	43	930	0.207	ug/l #	93
38) Methylcyclohexane	9.704	83	2530	0.314	ug/l #	21
41) Bromodichloromethane	9.704	83	2530	0.360	ug/l #	92
44) Isopropyl Acetate	8.586	43	4878	0.412	ug/l #	21
50) 1,1,2-Trichloroethane	10.392	97	15025	2.788	ug/l #	1
56) Bromoform	12.668	173	1123	0.262	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.668	75	67393	29.422	ug/l #	8

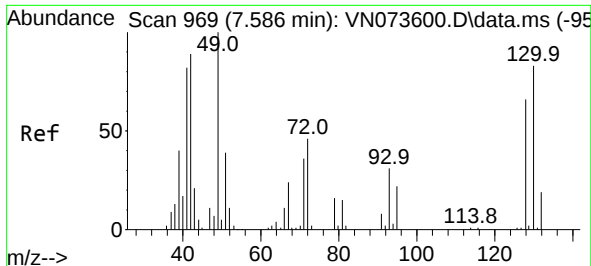
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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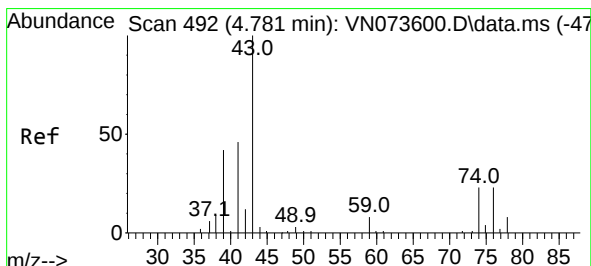
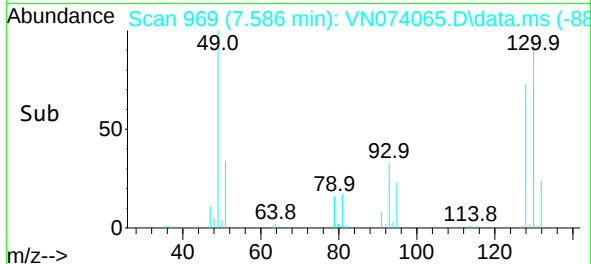
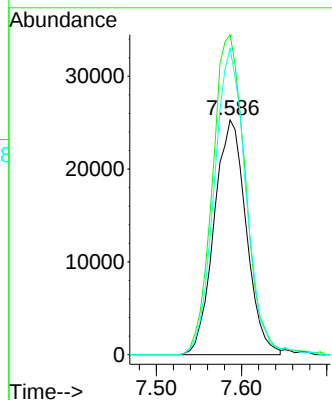
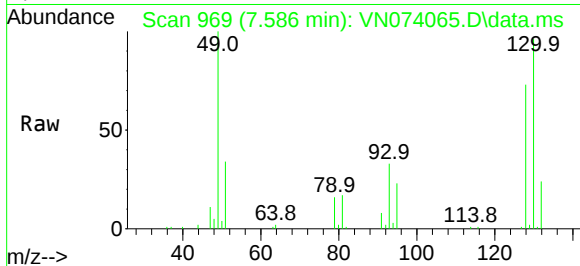




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.586 min Scan# 969
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

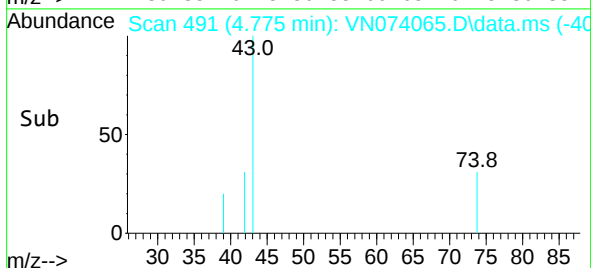
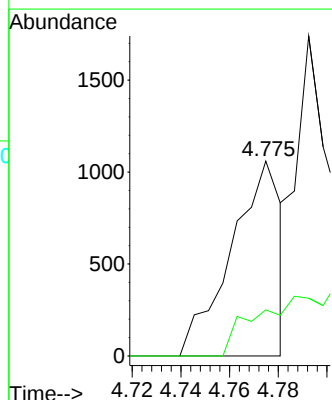
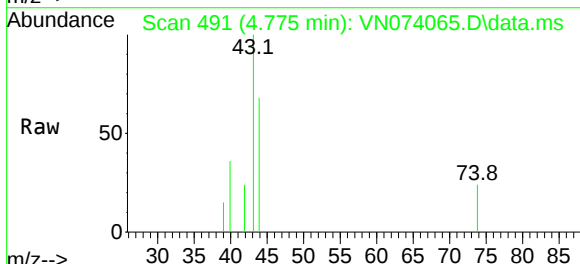
Instrument :
MSVOA_N
ClientSampleId :
TT-050-IDWGW-20220819

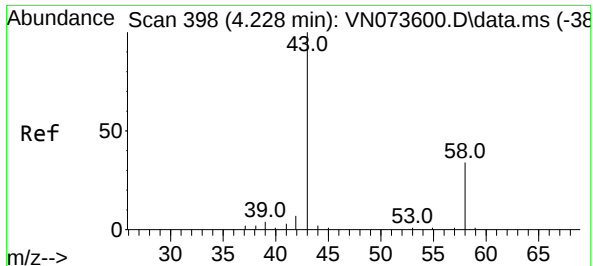
Tgt Ion:128 Resp: 66166
Ion Ratio Lower Upper
128 100
49 140.5 0.0 392.3
130 129.0 0.0 320.2



#12
Methyl Acetate
Concen: 0.216 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.006 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
74 21.8 20.8 31.2





#15

Acetone

Concen: 0.578 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN074065.D

Acq: 23 Aug 2022 13:58

Instrument :

MSVOA_N

ClientSampleId :

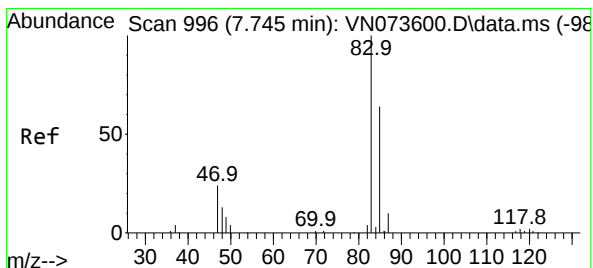
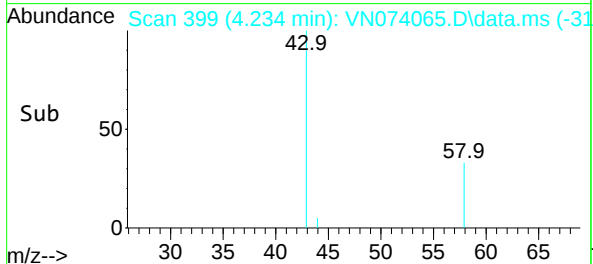
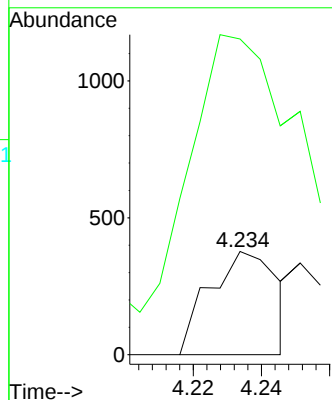
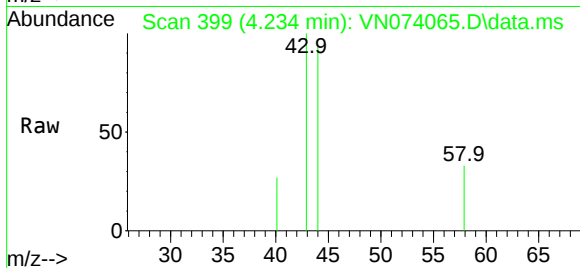
TT-050-IDWGW-20220819

Tgt Ion: 58 Resp: 522

Ion Ratio Lower Upper

58 100

43 154.4 256.6 384.8#



#25

Chloroform

Concen: 2.616 ug/l

RT: 7.745 min Scan# 996

Delta R.T. 0.000 min

Lab File: VN074065.D

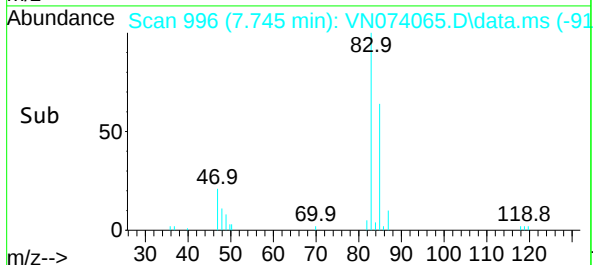
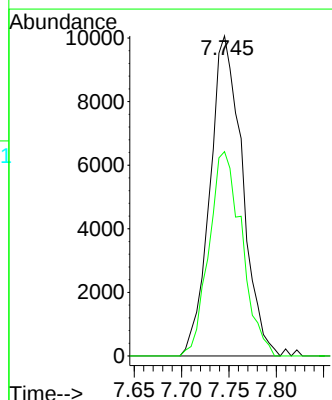
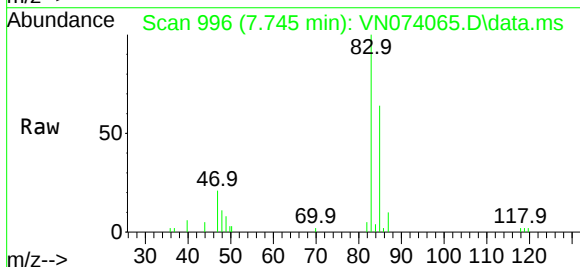
Acq: 23 Aug 2022 13:58

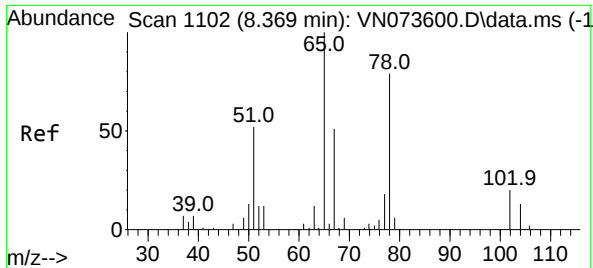
Tgt Ion: 83 Resp: 23953

Ion Ratio Lower Upper

83 100

85 63.9 51.3 76.9

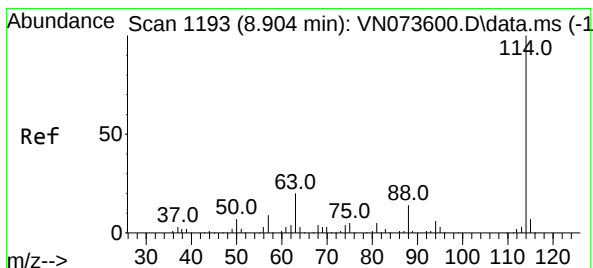
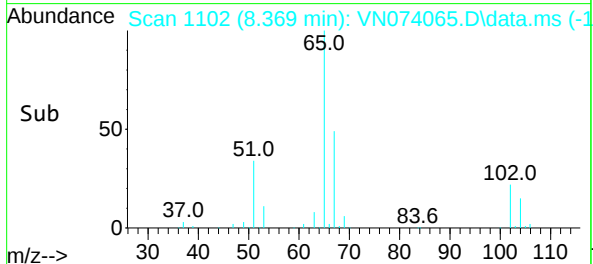
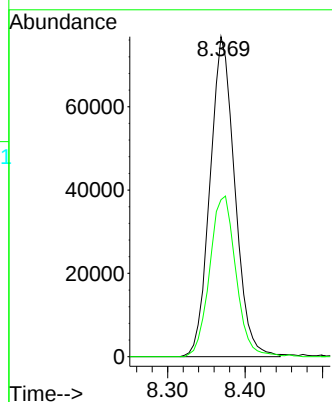
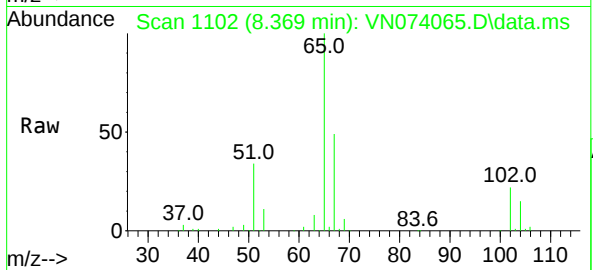




#27
1,2-Dichloroethane-d4
Concen: 29.904 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

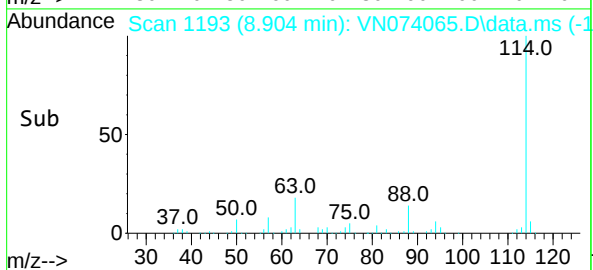
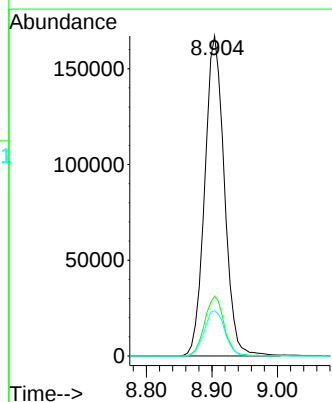
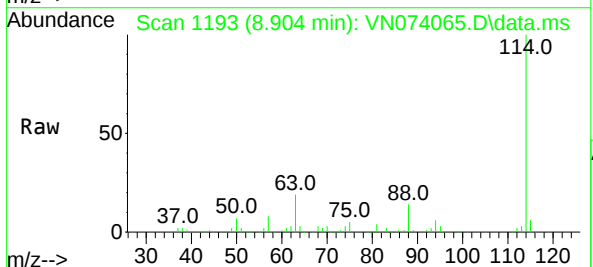
Instrument :
MSVOA_N
ClientSampleId :
TT-050-IDWGW-20220819

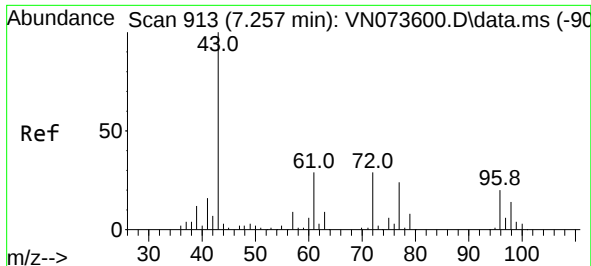
Tgt Ion: 65 Resp: 171078
Ion Ratio Lower Upper
65 100
67 52.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 114 Resp: 347042
Ion Ratio Lower Upper
114 100
63 18.6 15.8 23.6
88 14.9 11.6 17.4

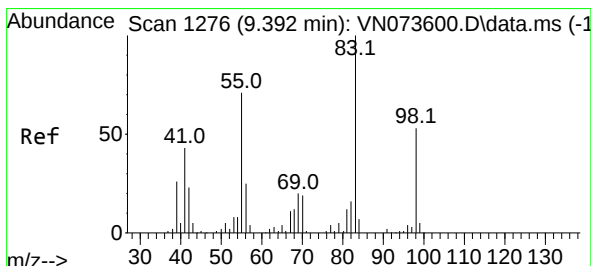
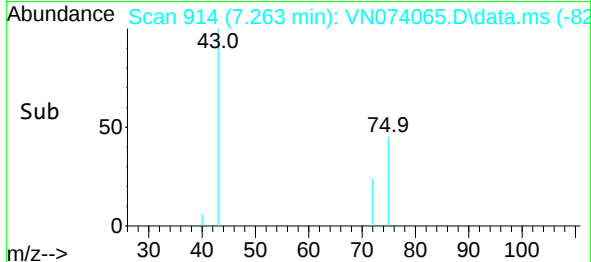
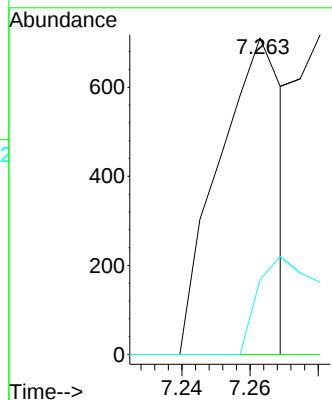
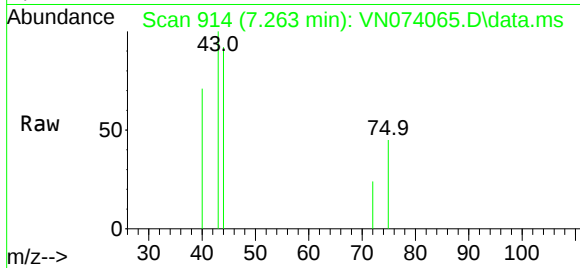




#30
2-Butanone
Concen: 0.207 ug/l
RT: 7.263 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

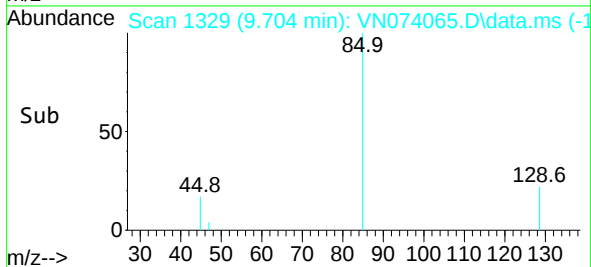
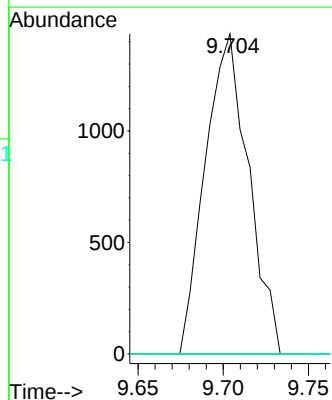
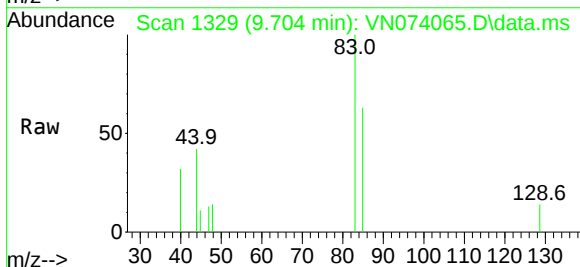
Instrument :
MSVOA_N
ClientSampleId :
TT-050-IDWGW-20220819

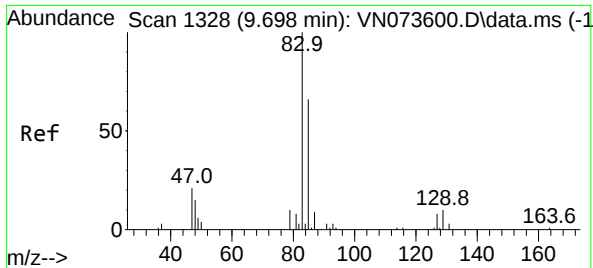
Tgt Ion: 43 Resp: 930
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 27.8 23.2 34.8



#38
Methylcyclohexane
Concen: 0.314 ug/l
RT: 9.704 min Scan# 1329
Delta R.T. 0.312 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 83 Resp: 2530
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#

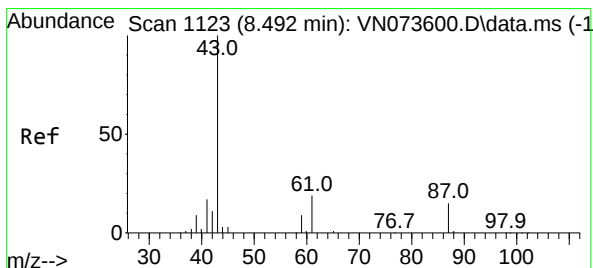
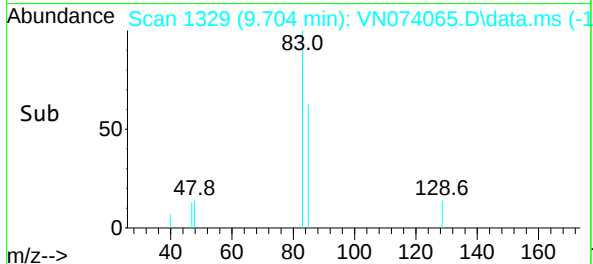
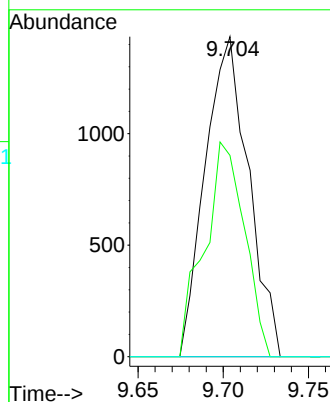
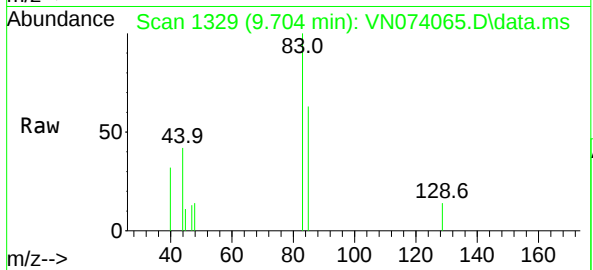




#41
Bromodichloromethane
Concen: 0.360 ug/l
RT: 9.704 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

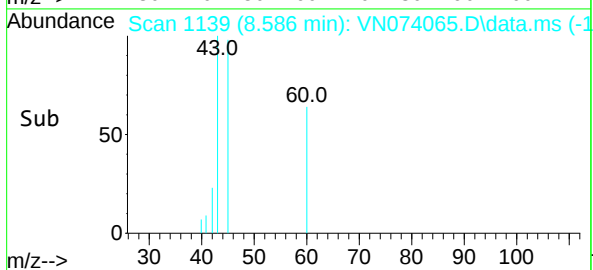
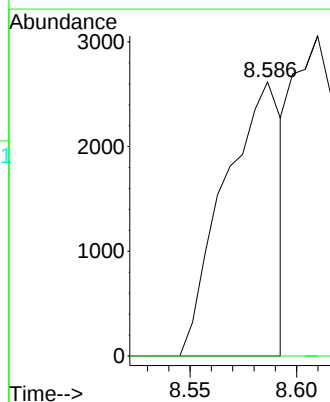
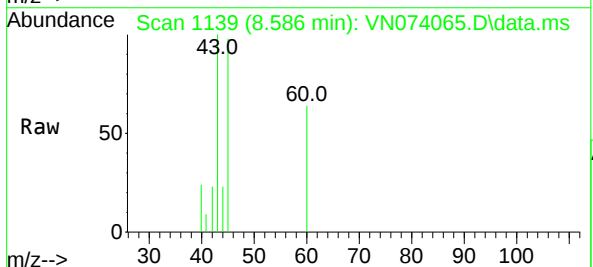
Instrument :
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ClientSampleId :
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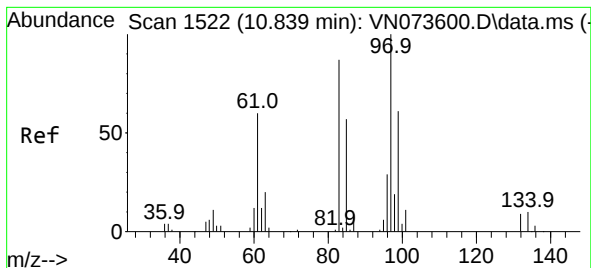
Tgt Ion: 83 Resp: 2530
Ion Ratio Lower Upper
83 100
85 62.9 54.1 81.1
127 0.0 7.6 11.4#



#44
Isopropyl Acetate
Concen: 0.412 ug/l
RT: 8.586 min Scan# 1139
Delta R.T. 0.094 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 43 Resp: 4878
Ion Ratio Lower Upper
43 100
61 65.0 20.1 30.1#





#50

1,1,2-Trichloroethane

Concen: 2.788 ug/l

RT: 10.392 min Scan# 14

Delta R.T. -0.447 min

Lab File: VN074065.D

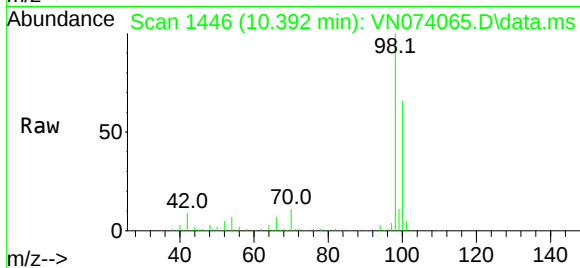
Acq: 23 Aug 2022 13:58

Instrument :

MSVOA_N

ClientSampleId :

TT-050-IDWGW-20220819



Tgt Ion: 97 Resp: 15025

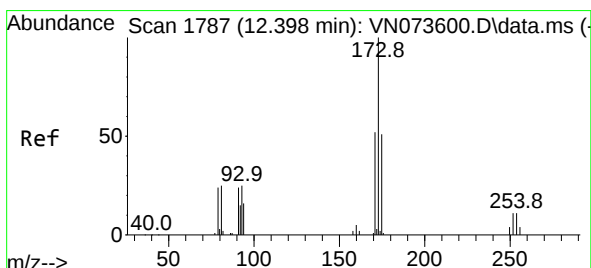
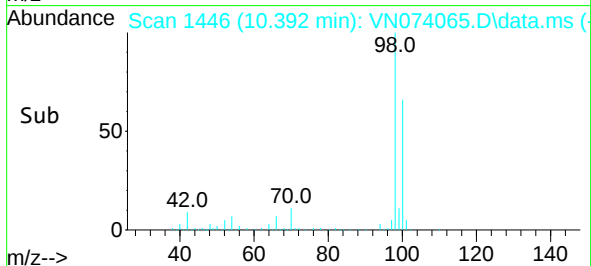
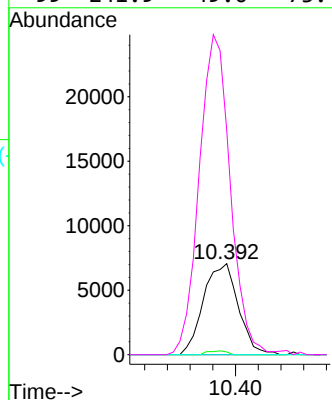
Ion Ratio Lower Upper

97 100

83 3.0 67.2 100.8#

85 0.0 43.0 64.4#

99 241.9 49.0 73.4#



#56

Bromoform

Concen: 0.262 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074065.D

Acq: 23 Aug 2022 13:58

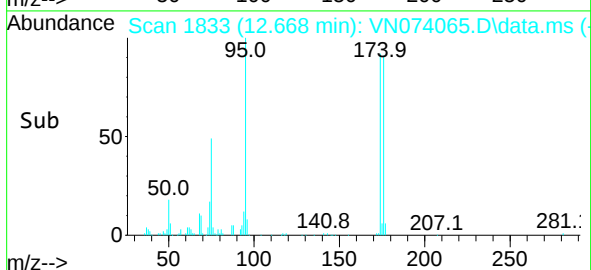
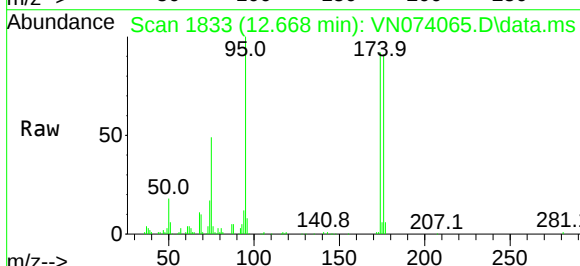
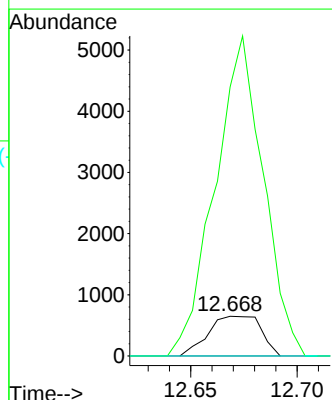
Tgt Ion:173 Resp: 1123

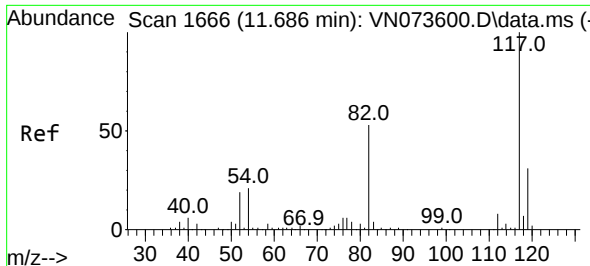
Ion Ratio Lower Upper

173 100

175 735.6 38.6 58.0#

254 0.0 0.0 0.0

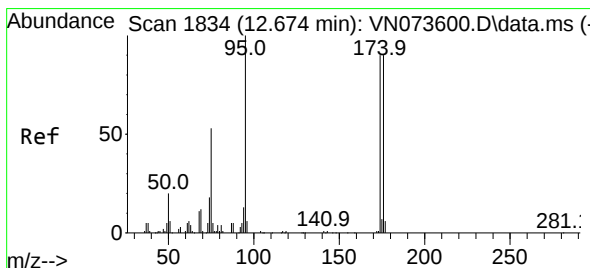
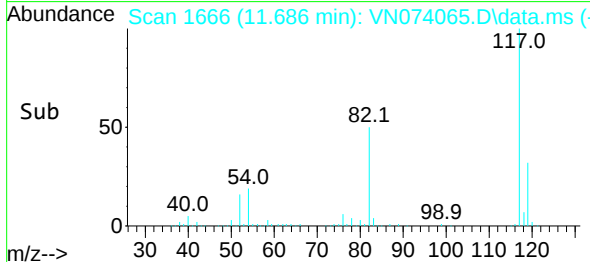
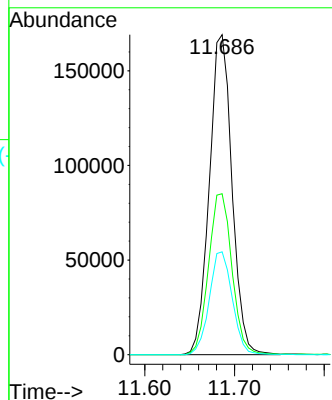
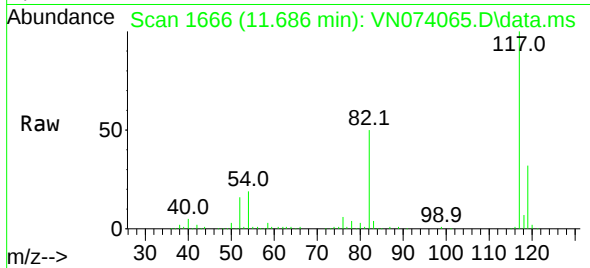




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.686 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

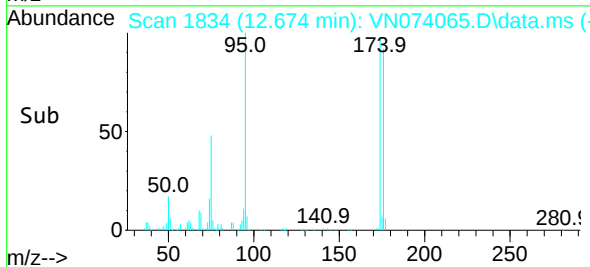
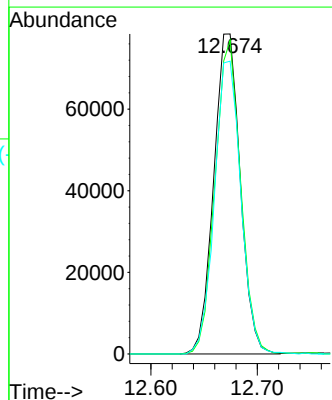
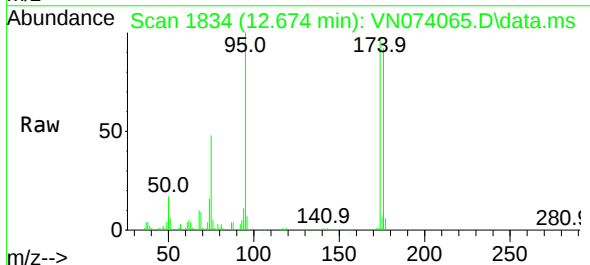
Instrument :
MSVOA_N
ClientSampleId :
TT-050-IDWGW-20220819

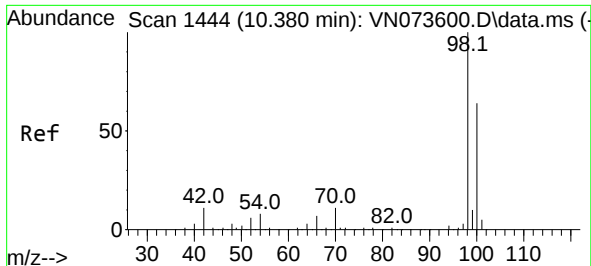
Tgt Ion:117 Resp: 296618
Ion Ratio Lower Upper
117 100
82 52.1 43.6 65.4
119 32.6 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 25.748 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 95 Resp: 135231
Ion Ratio Lower Upper
95 100
174 94.5 62.9 94.3#
176 91.4 61.0 91.4

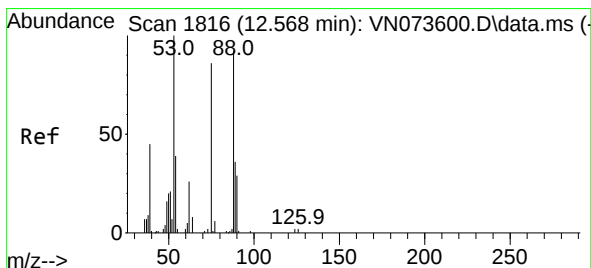
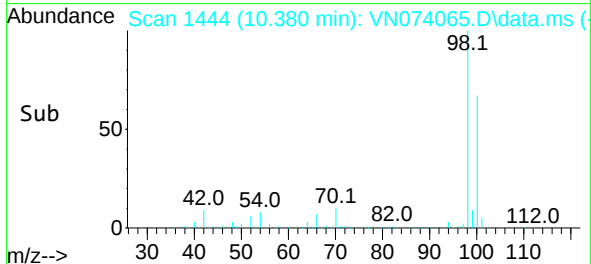
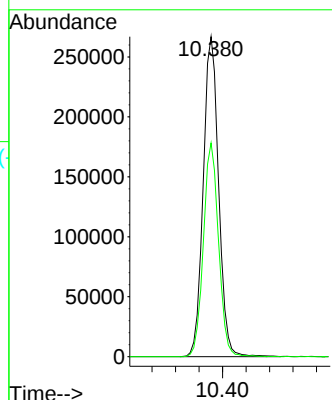
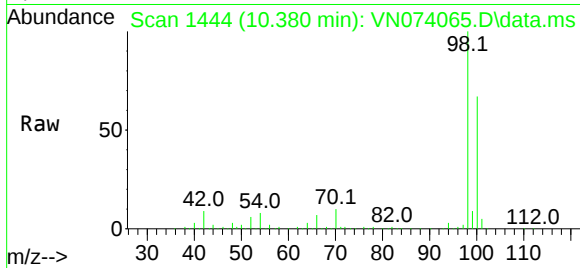




#63
Toluene-d8
Concen: 29.103 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Instrument :
MSVOA_N
ClientSampleId :
TT-050-IDWGW-20220819

Tgt Ion: 98 Resp: 486083
Ion Ratio Lower Upper
98 100
100 65.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 29.422 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074065.D
Acq: 23 Aug 2022 13:58

Tgt Ion: 75 Resp: 67393
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#

