

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010621\
 Data File : VN065398.D
 Acq On : 6 Jan 2021 14:13
 Operator : JC/MD
 Sample : M1018-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-21-WW-TSF-002

Quant Time: Jan 07 01:18:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 21 13:17:58 2020
 Response via : Initial Calibration

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

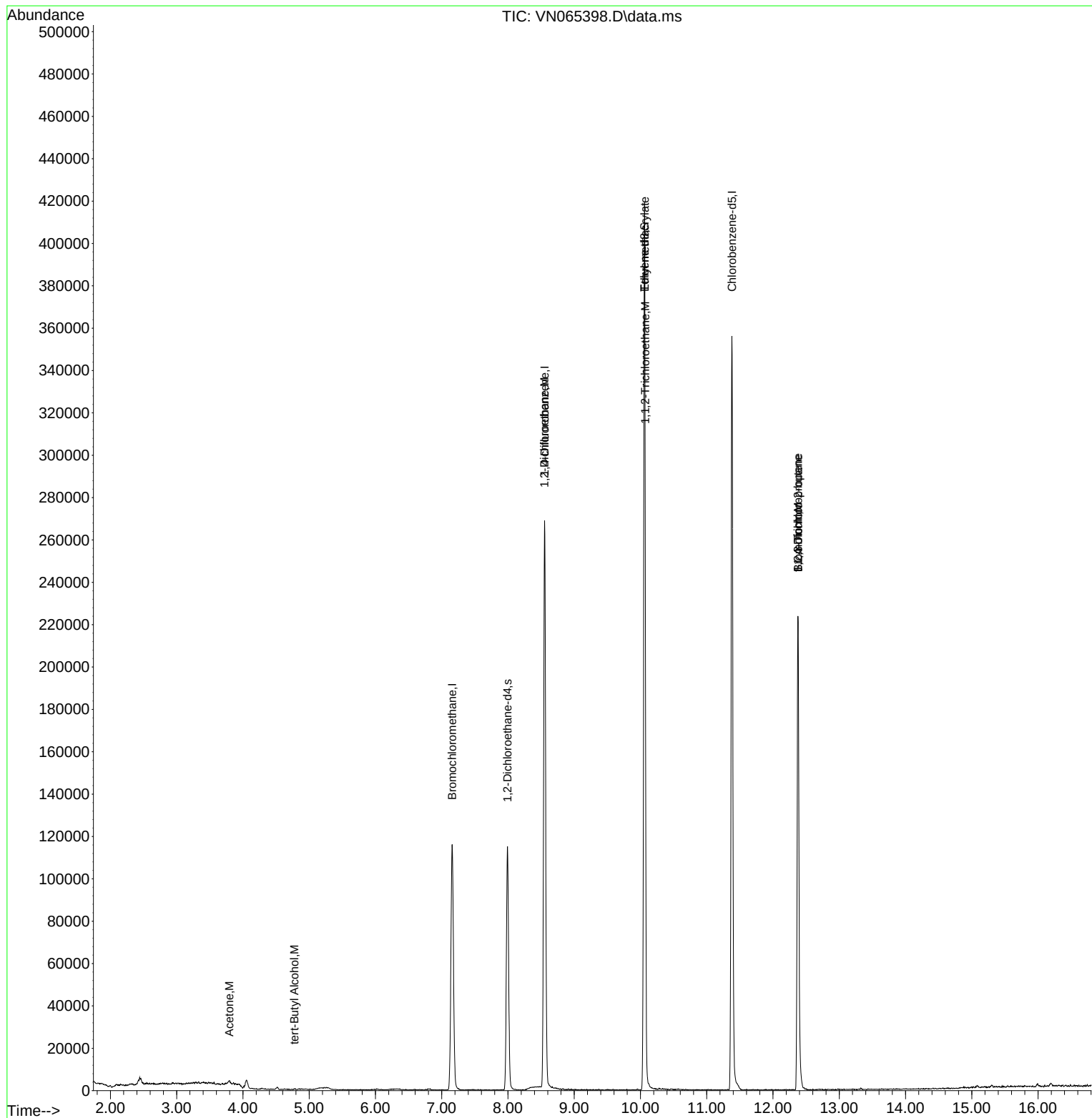
Internal Standards						
1) Bromochloromethane	7.158	128	49591	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	8.553	114	257064	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.379	117	226758	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.994	65	100806	28.01	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.37%
60) 4-Bromofluorobenzene	12.704	95	137	0.04	ug/l	0.33
Spiked Amount	30.000	Range	63 - 112	Recovery	=	0.13%#
63) Toluene-d8	10.061	98	304724	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.00%
Target Compounds						
					Qvalue	
15) Acetone	3.795	58	796	1.96	ug/l #	4
23) tert-Butyl Alcohol	4.775	59	174	0.32	ug/l #	100
36) 1,2-Dichloroethane	8.550	62	7204	1.74	ug/l #	80
50) 1,1,2-Trichloroethane	10.071	97	10800	3.89	ug/l #	1
51) Ethyl methacrylate	10.064	69	949	0.22	ug/l #	61
56) Bromoform	12.376	173	660	0.26	ug/l #	1
72) 1,2,3-Trichloropropane	12.376	75	41193	11.41	ug/l	1
77) t-1,4-Dichloro-2-butene	12.376	75	41193	29.05	ug/l #	9

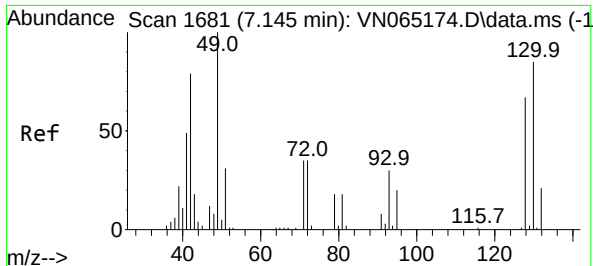
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 07 01:18:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122120W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Dec 21 13:17:58 2020
Response via : Initial Calibration

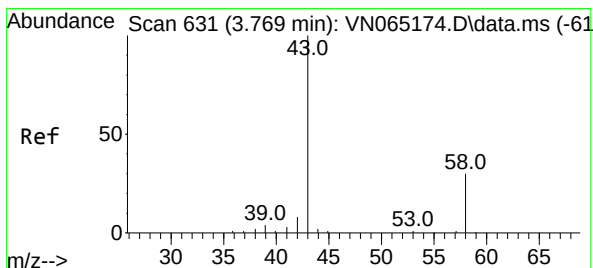
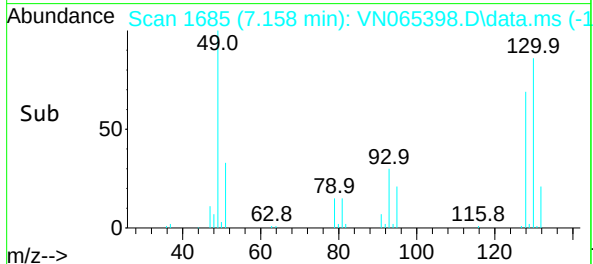
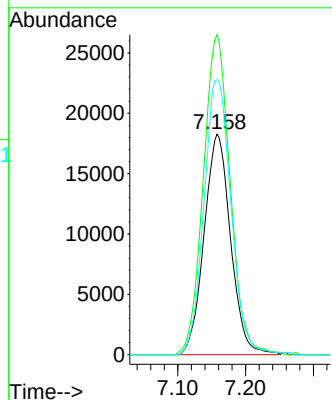
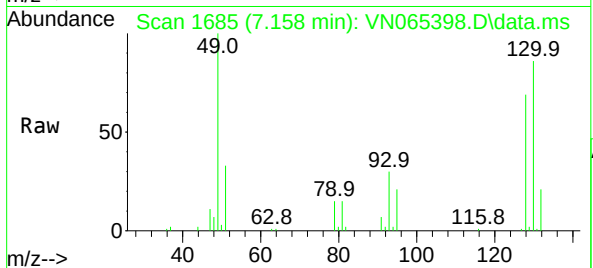




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.158 min Scan# 1685
Delta R.T. 0.013 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

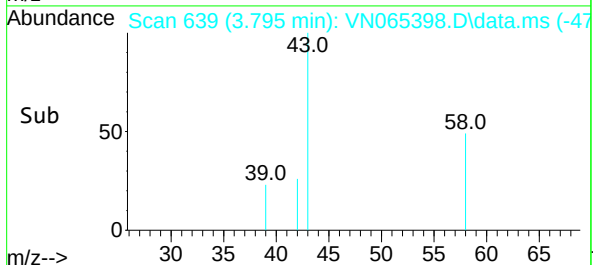
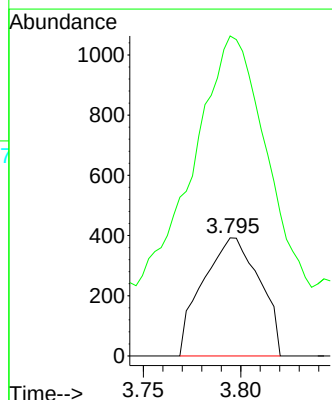
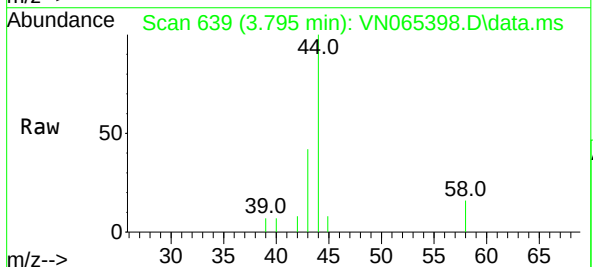
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-002

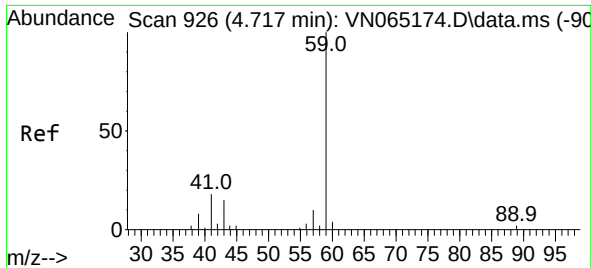
Tgt Ion:128 Resp: 49591
Ion Ratio Lower Upper
128 100
49 147.5 0.0 475.5
130 128.0 0.0 315.3



#15
Acetone
Concen: 1.96 ug/l
RT: 3.795 min Scan# 639
Delta R.T. 0.026 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Tgt Ion: 58 Resp: 796
Ion Ratio Lower Upper
58 100
43 150.0 289.8 434.8#

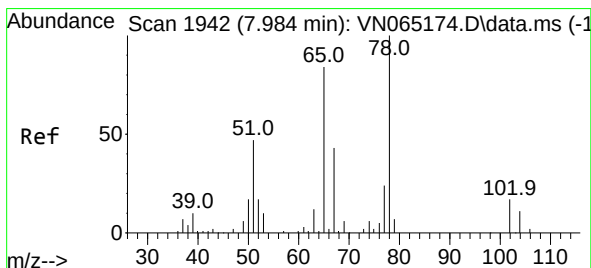
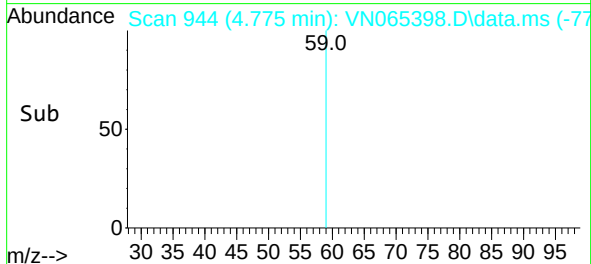
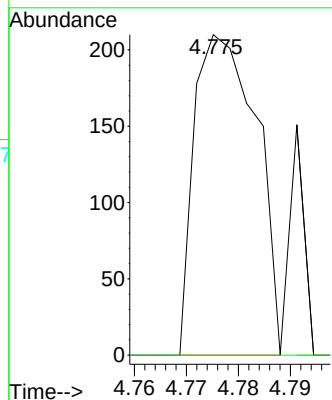
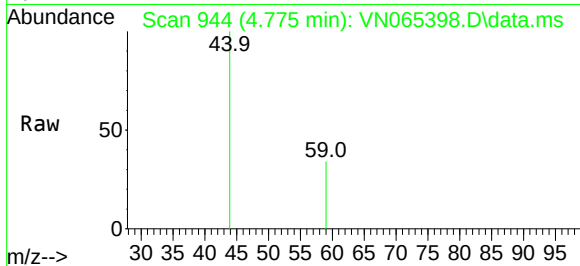




#23
tert-Butyl Alcohol
Concen: 0.32 ug/l
RT: 4.775 min Scan# 944
Delta R.T. 0.058 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

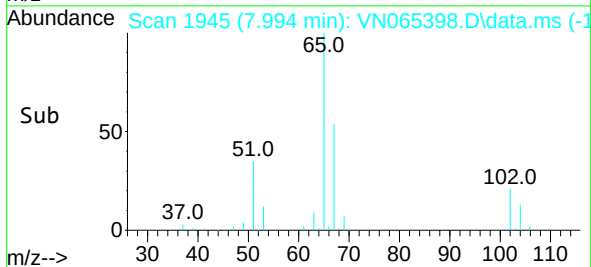
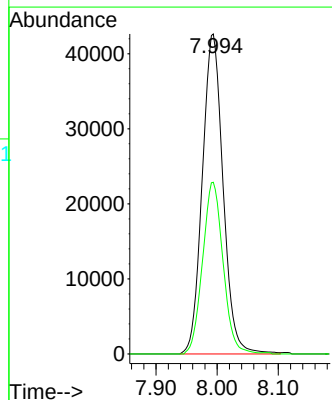
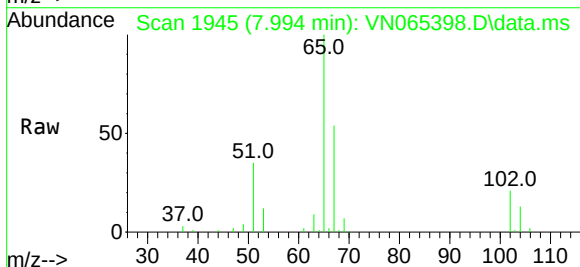
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-002

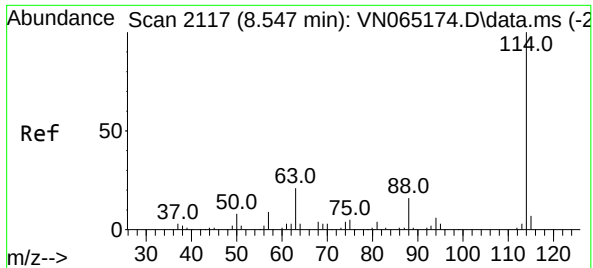
Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.01 ug/l
RT: 7.994 min Scan# 1945
Delta R.T. 0.009 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Tgt Ion: 65 Resp: 100806
Ion Ratio Lower Upper
65 100
67 52.8 41.1 61.7

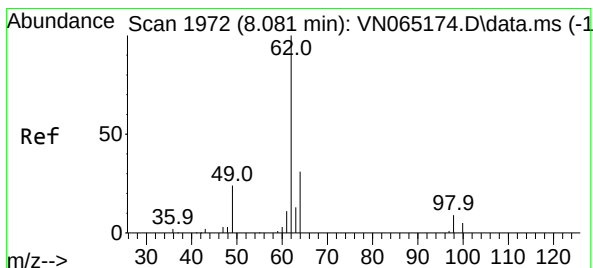
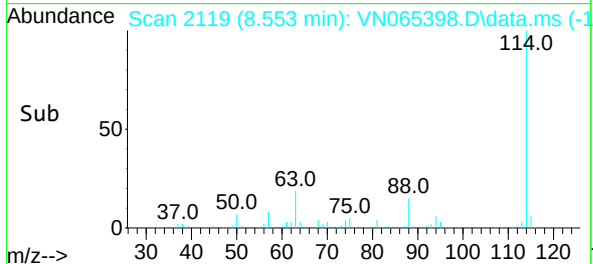
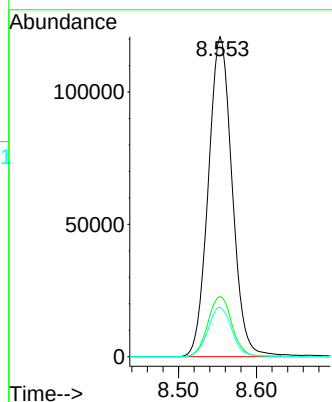
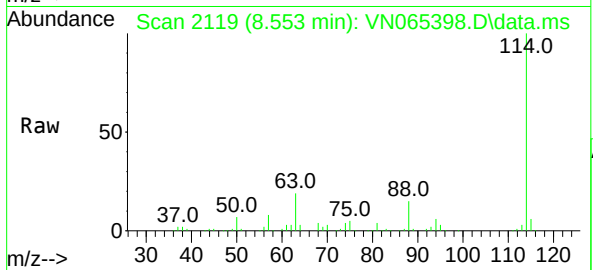




#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 8.553 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

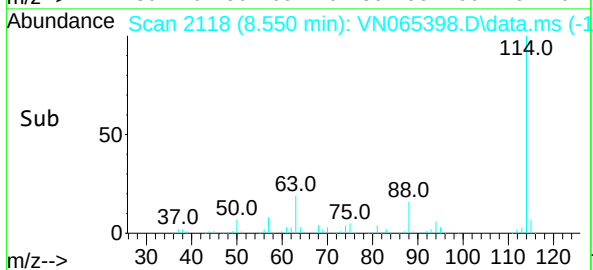
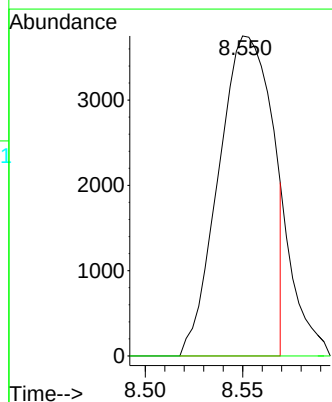
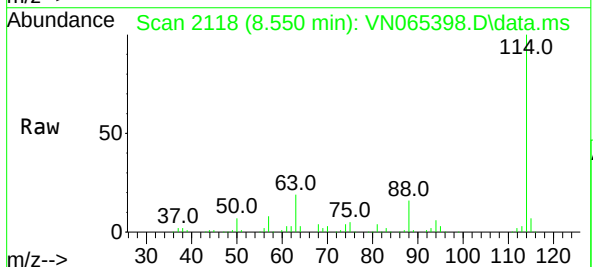
Instrument :
MSVOA_N
ClientSampleId :
WGGM-21-WW-TSF-002

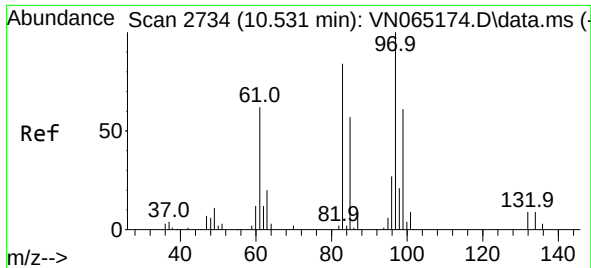
Tgt Ion:114 Resp: 257064
Ion Ratio Lower Upper
114 100
63 19.1 18.5 27.7
88 15.6 13.0 19.6



#36
1,2-Dichloroethane
Concen: 1.74 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.469 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Tgt Ion: 62 Resp: 7204
Ion Ratio Lower Upper
62 100
98 0.0 5.5 8.3#

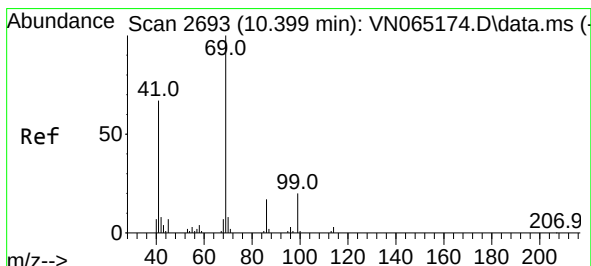
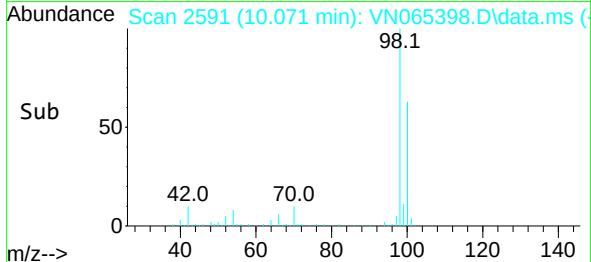
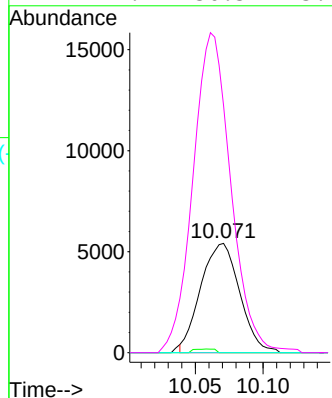
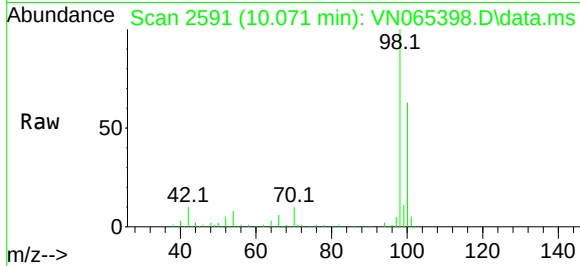




#50
1,1,2-Trichloroethane
Concen: 3.89 ug/l
RT: 10.071 min Scan# 2591
Delta R.T. -0.460 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

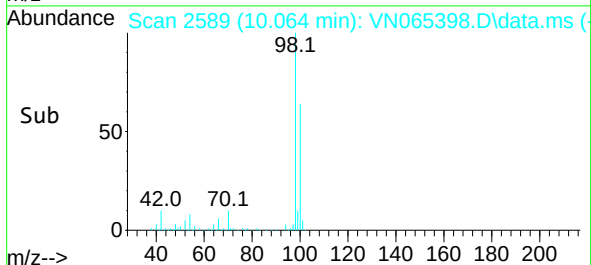
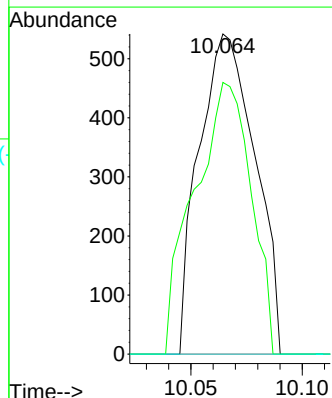
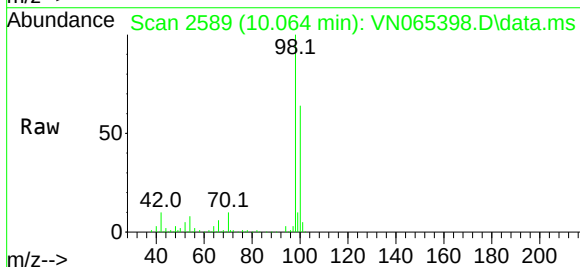
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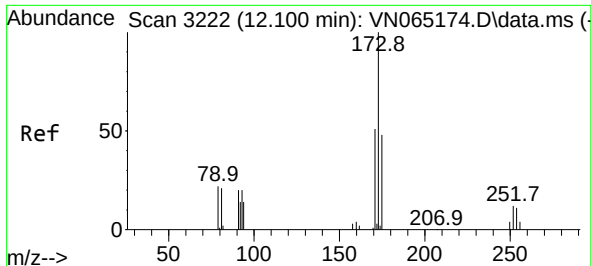
Tgt Ion:	97	Resp:	10800
Ion	Ratio	Lower	Upper
97	100		
83	0.0	74.2	111.4#
85	0.0	44.8	67.2#
99	222.2	50.5	75.7#



#51
Ethyl methacrylate
Concen: 0.22 ug/l
RT: 10.064 min Scan# 2589
Delta R.T. -0.335 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

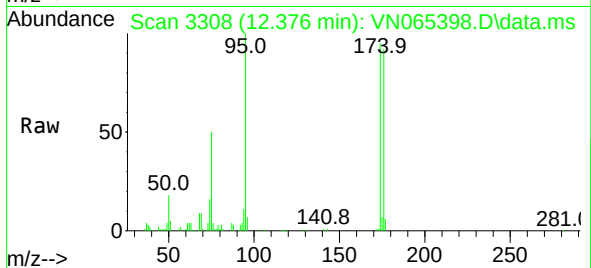
Tgt Ion:	69	Resp:	949
Ion	Ratio	Lower	Upper
69	100		
41	84.9	35.4	106.1
39	0.0	24.1	72.2#



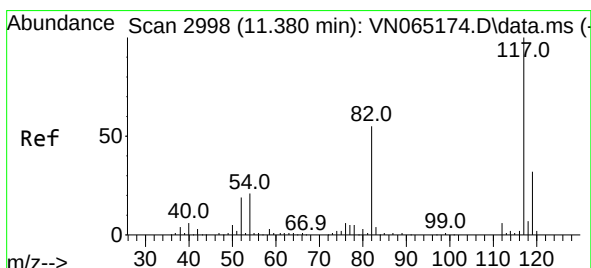
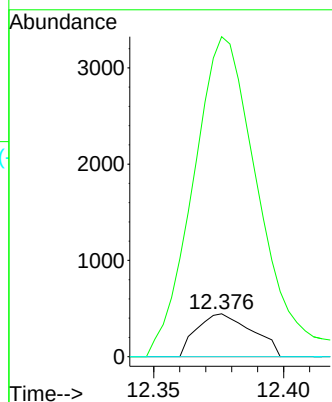
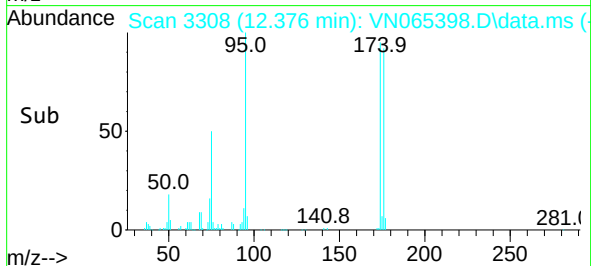


#56
Bromoform
Concen: 0.26 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.276 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

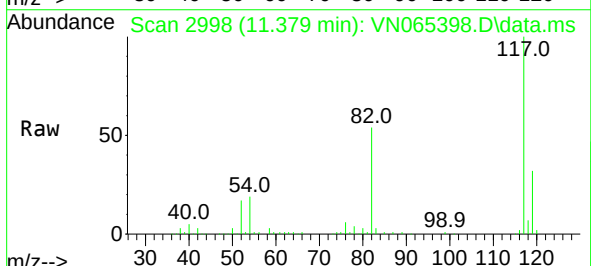
Instrument :
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ClientSampleId :
WGGM-21-WW-TSF-002



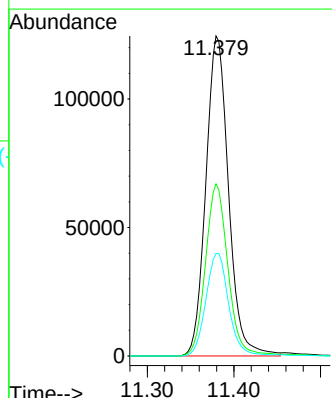
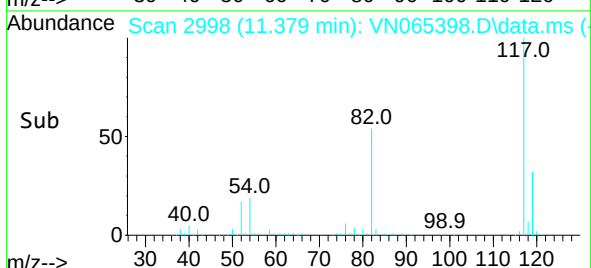
Tgt Ion:173 Resp: 660
Ion Ratio Lower Upper
173 100
175 875.8 37.1 55.7#
254 0.0 5.4 8.2#

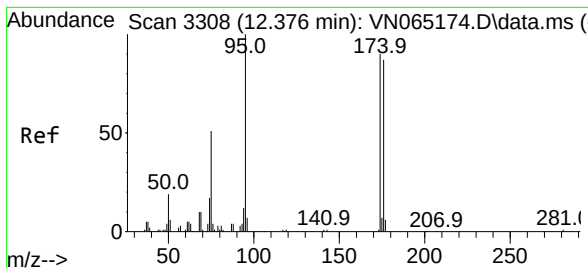


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.379 min Scan# 2998
Delta R.T. -0.000 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13



Tgt Ion:117 Resp: 226758
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.8
119 32.1 25.7 38.5

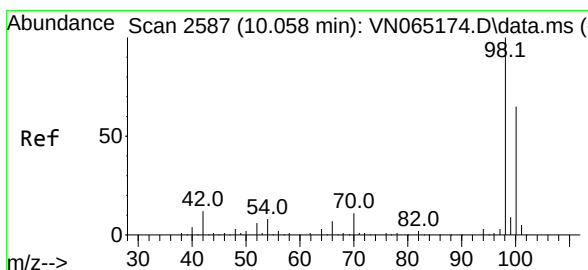
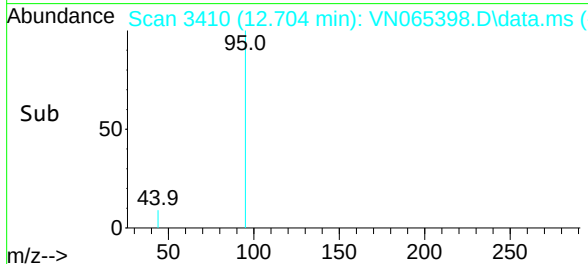
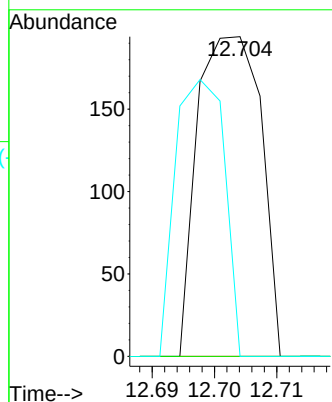
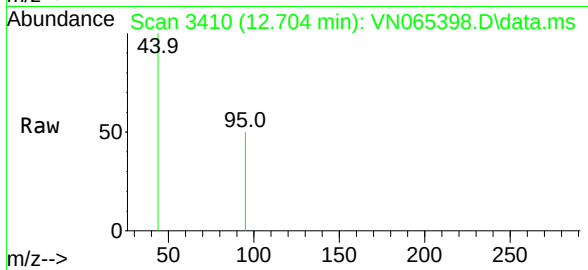




#60
4-Bromofluorobenzene
Concen: 0.04 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.328 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

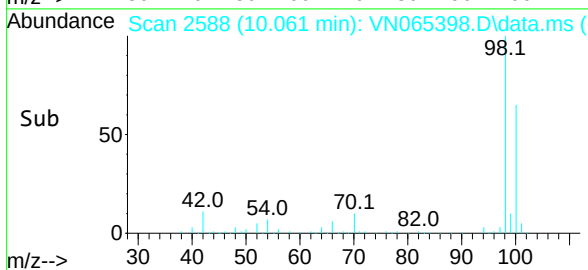
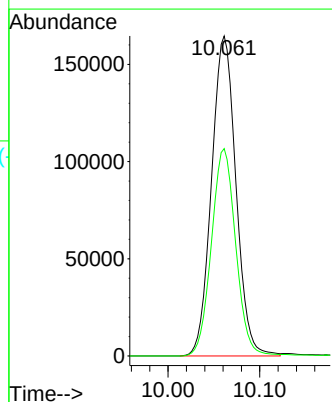
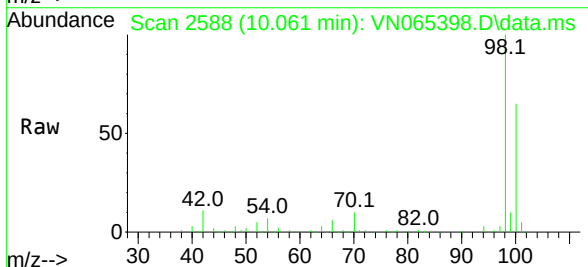
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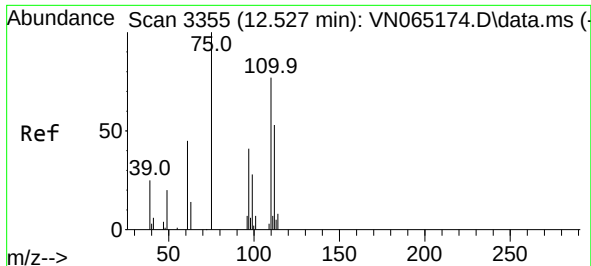
Tgt Ion: 95 Resp: 137
Ion Ratio Lower Upper
95 100
174 70.8 56.4 84.6
176 67.2 53.3 79.9



#63
Toluene-d8
Concen: 30.30 ug/l
RT: 10.061 min Scan# 2588
Delta R.T. 0.003 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Tgt Ion: 98 Resp: 304724
Ion Ratio Lower Upper
98 100
100 64.4 49.4 74.2

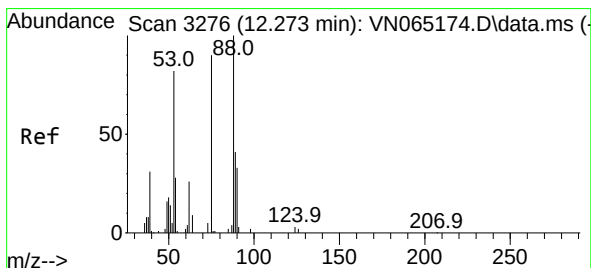
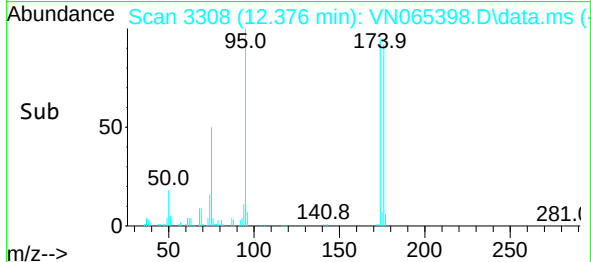
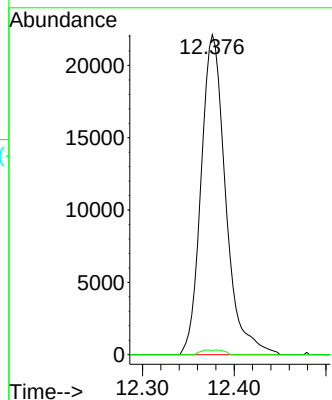
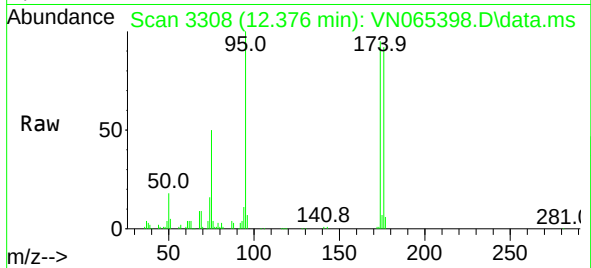




#72
1,2,3-Trichloropropane
Concen: 11.41 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. -0.151 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Instrument :
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WGGM-21-WW-TSF-002

Tgt Ion: 75 Resp: 41193
Ion Ratio Lower Upper
75 100
77 0.7 0.0 379.4



#77
t-1,4-Dichloro-2-butene
Concen: 29.05 ug/l
RT: 12.376 min Scan# 3308
Delta R.T. 0.103 min
Lab File: VN065398.D
Acq: 6 Jan 2021 14:13

Tgt Ion: 75 Resp: 41193
Ion Ratio Lower Upper
75 100
53 0.0 50.3 150.9#
89 0.0 23.3 69.8#

