

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064038.D
 Acq On : 9 Oct 2020 15:15
 Operator : JC/MD
 Sample : L4301-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-20-WW-TSF-033

Quant Time: Oct 10 01:29:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	44321	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	225598	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	205971	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	122931	30.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.93%
60) 4-Bromofluorobenzene	12.38	95	84172	23.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	79.67%
63) Toluene-d8	10.06	98	282317	30.24	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.80%

Target Compounds

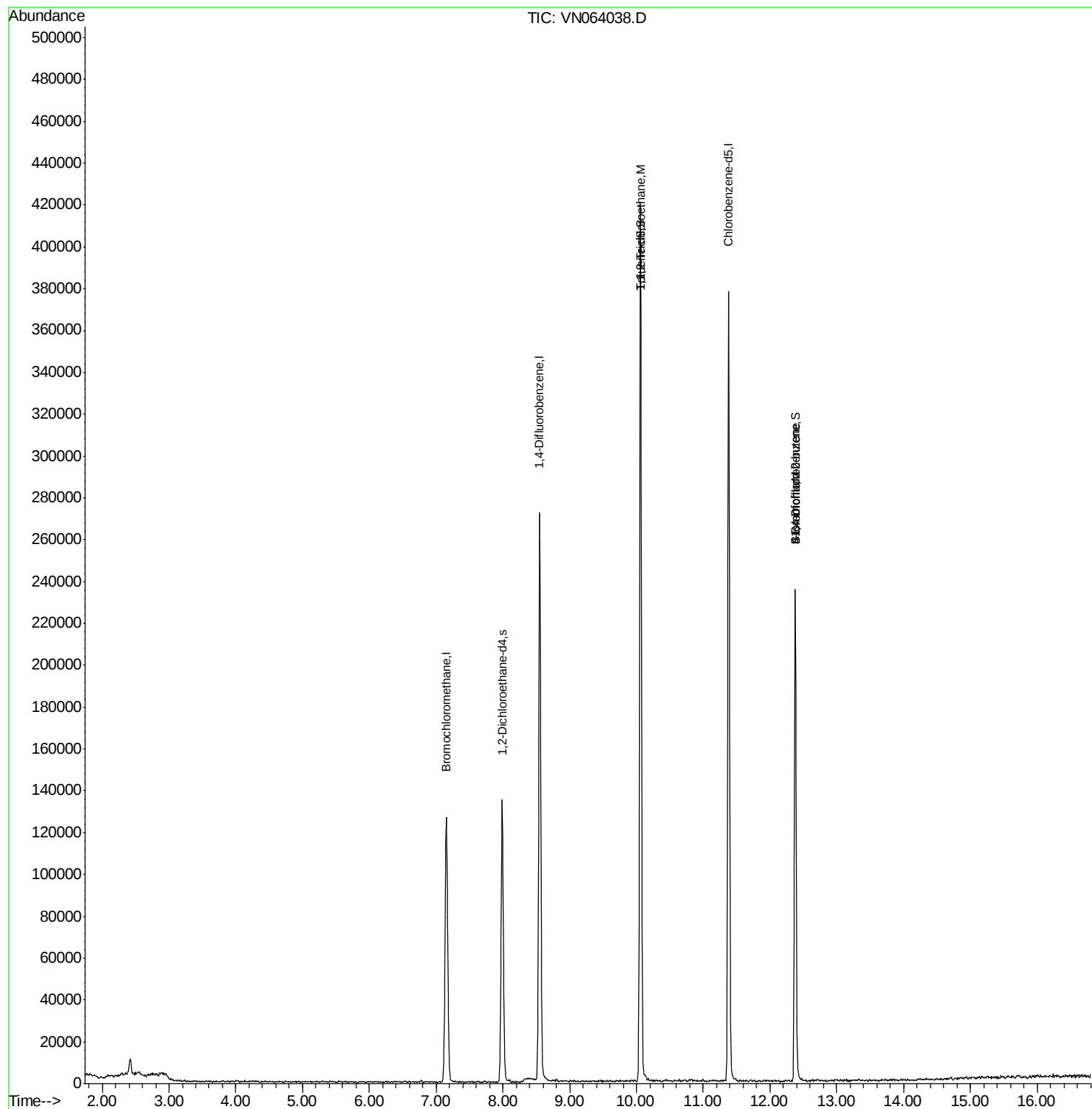
					Ovalue	
50) 1,1,2-Trichloroethane	10.07	97	10732	3.770	ug/l #	1
56) Bromoform	12.38	173	989	0.436	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	45460	32.424	ug/l #	12

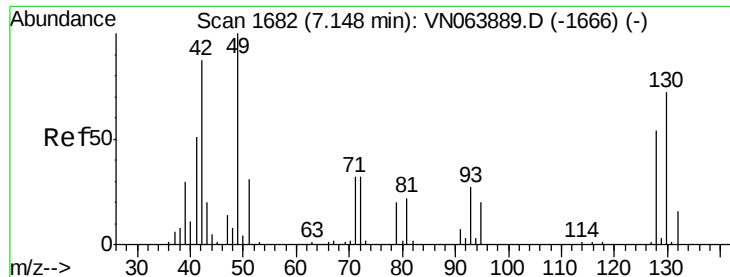
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 06 16:42:38 2020
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN064038.D

Acq: 9 Oct 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

WGGM-20-WW-TSF-033

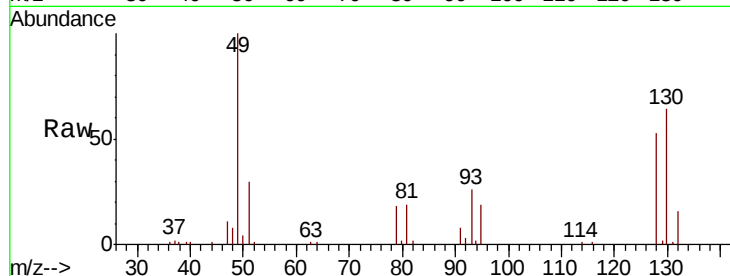
Tot Ion:128 Resp: 44321

Ion Ratio Lower Upper

128 100

49 197.2 0.0 437.5

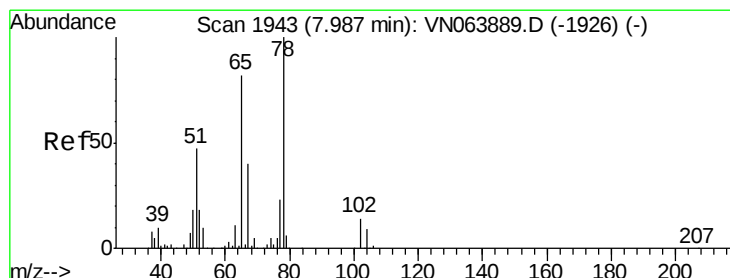
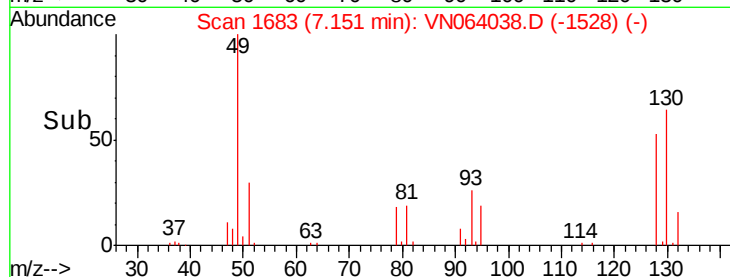
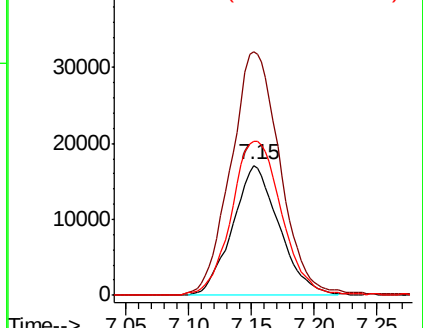
130 127.6 0.0 327.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#27

1,2-Dichloroethane-d4

Concen: 30.883 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN064038.D

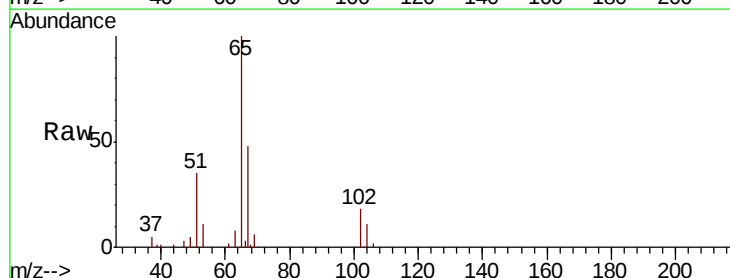
Acq: 9 Oct 2020 15:15

Tgt Ion: 65 Resp: 122931

Ion Ratio Lower Upper

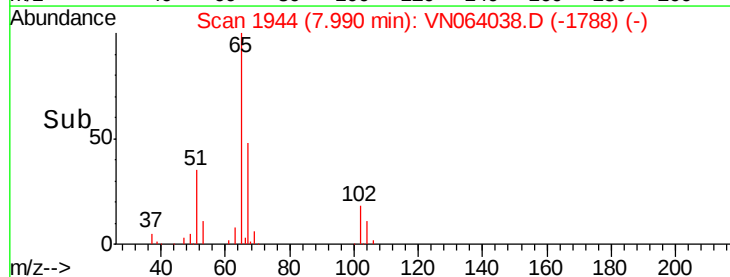
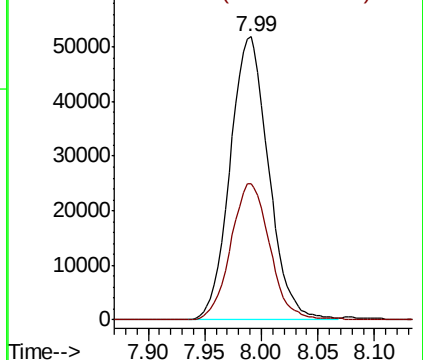
65 100

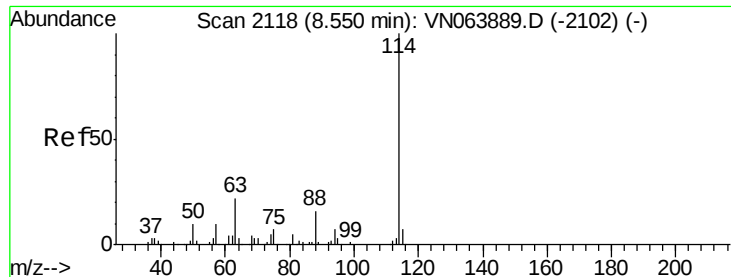
67 48.4 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

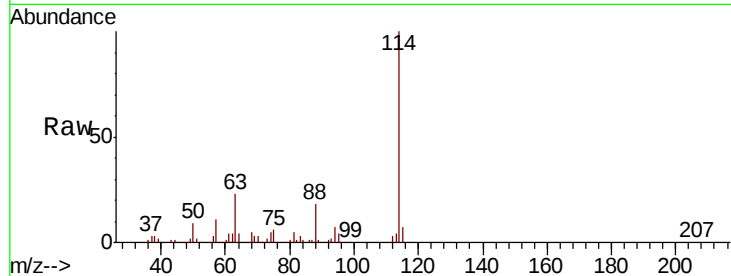




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064038.D
 Acq: 9 Oct 2020 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-20-WW-TSF-033

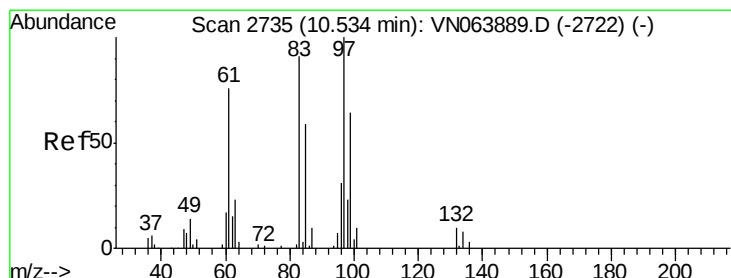
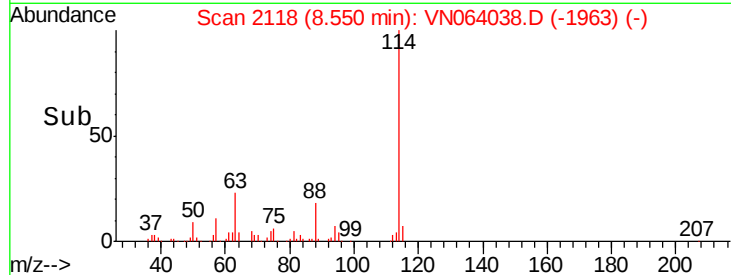
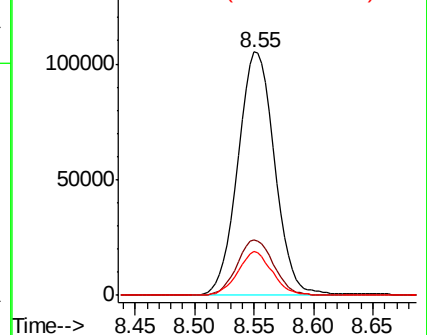
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.7	17.0	25.6
88	16.9	12.6	18.8



Abundance Ion 114.00 (113.70 to 114.70): V

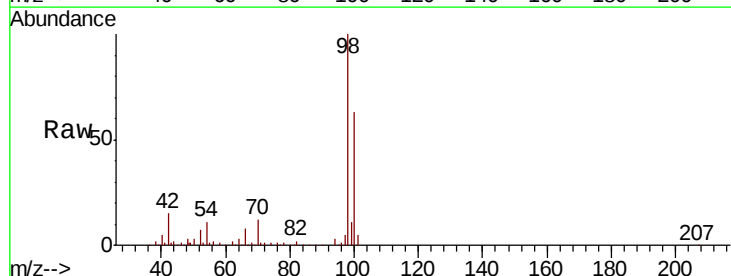
Ion 63.00 (62.70 to 63.70): VNO

Ion 88.00 (87.70 to 88.70): VNO



#50
 1,1,2-Trichloroethane
 Concen: 3.770 ug/l
 RT: 10.07 min Scan# 2590
 Delta R.T. -0.47 min
 Lab File: VN064038.D
 Acq: 9 Oct 2020 15:15

Tgt Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.9	104.9#
85	0.0	44.0	66.0#
99	232.4	50.6	76.0#

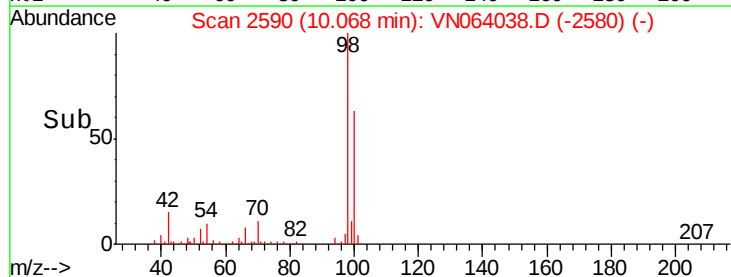
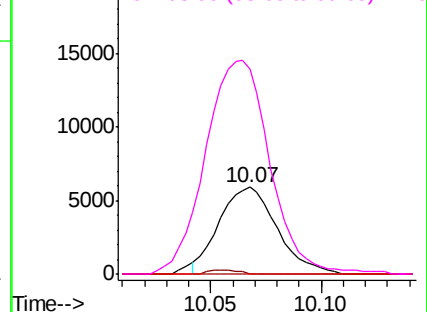


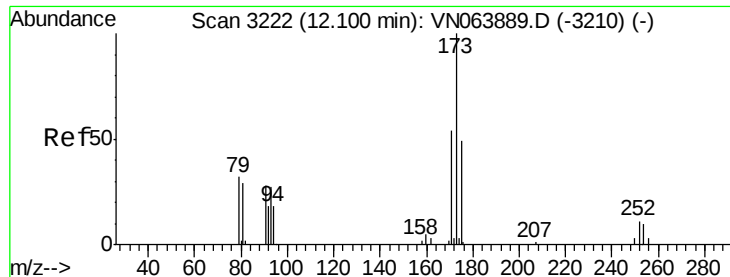
Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#56

Bromoform

Concen: 0.436 ug/l

RT: 12.38 min Scan# 3310

Delta R.T. 0.28 min

Lab File: VN064038.D

Acq: 9 Oct 2020 15:15

Instrument :

MSVOA_N

ClientSampleId :

WGGM-20-WW-TSF-033

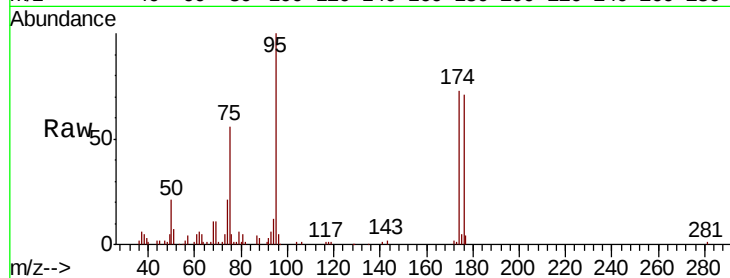
Tot Ion:173 Resp: 989

Ion Ratio Lower Upper

173 100

175 475.7 41.2 61.8#

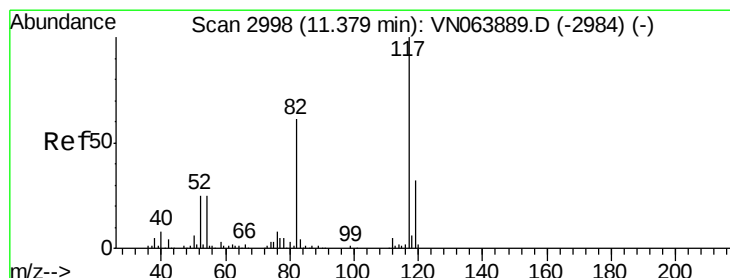
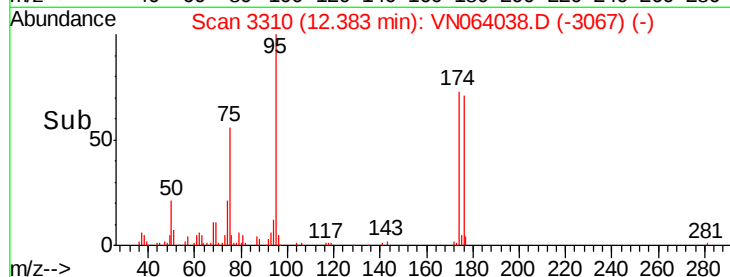
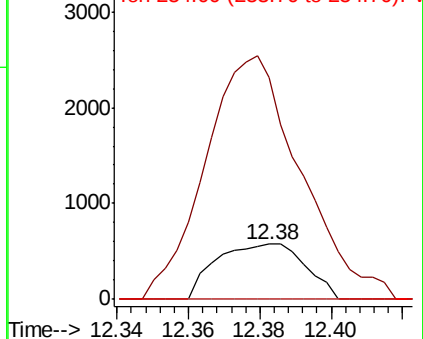
254 0.0 9.0 13.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN064038.D

Acq: 9 Oct 2020 15:15

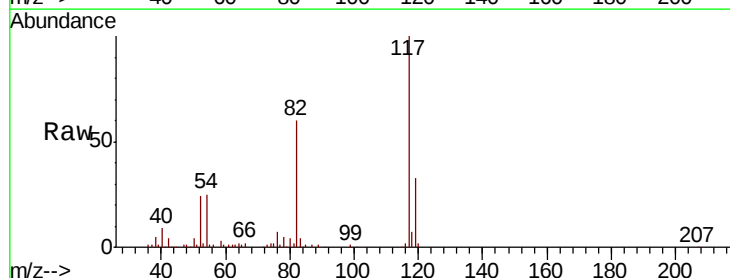
Tgt Ion:117 Resp: 205971

Ion Ratio Lower Upper

117 100

82 59.8 44.9 67.3

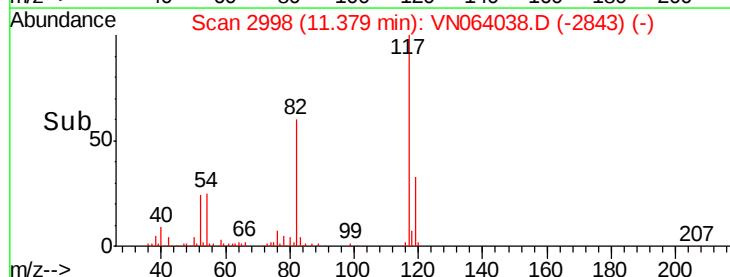
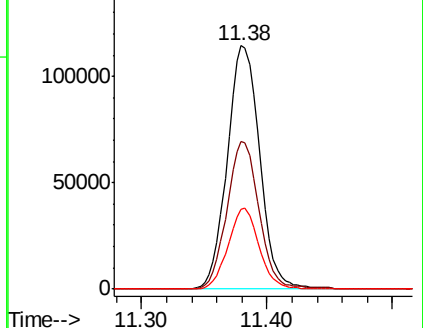
119 31.7 26.0 39.0

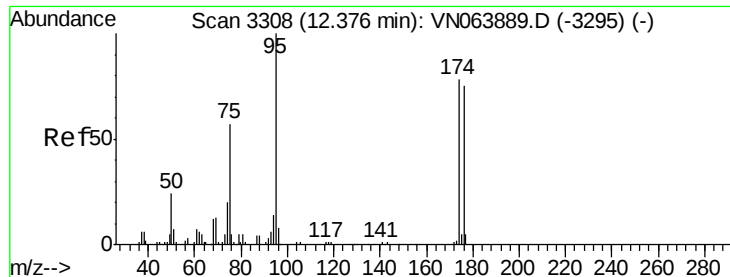


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

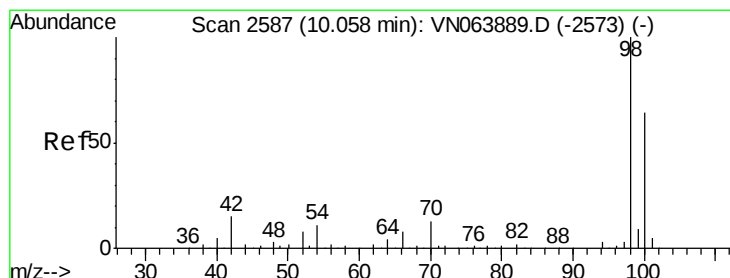
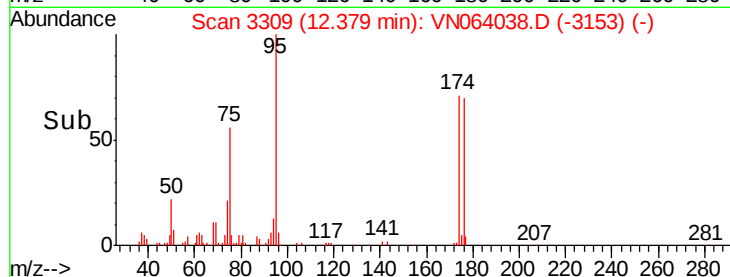
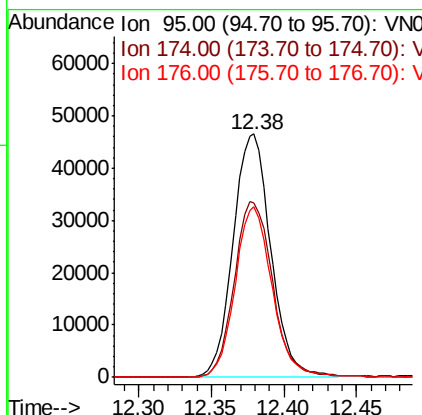
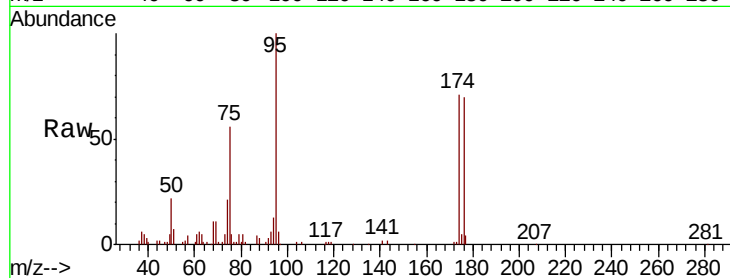




#60
4-Bromofluorobenzene
Concen: 23.897 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.00 min
Lab File: VN064038.D
Acq: 9 Oct 2020 15:15

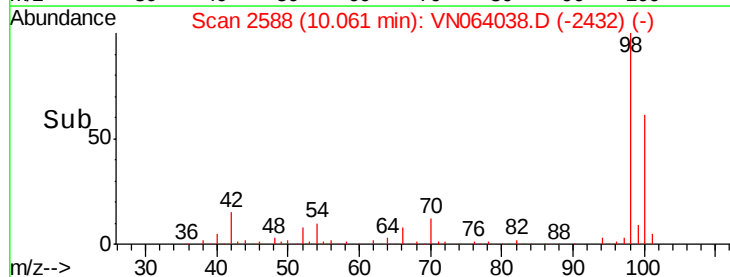
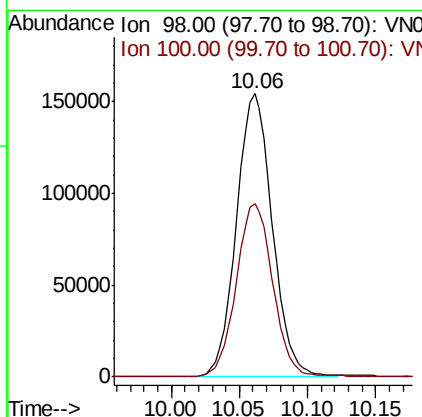
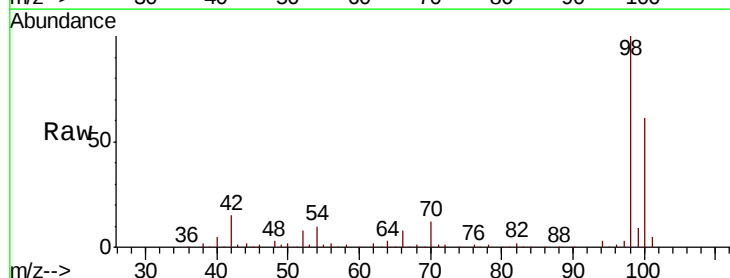
Instrument :
MSVOA_N
ClientSampleId :
WGM-20-WW-TSF-033

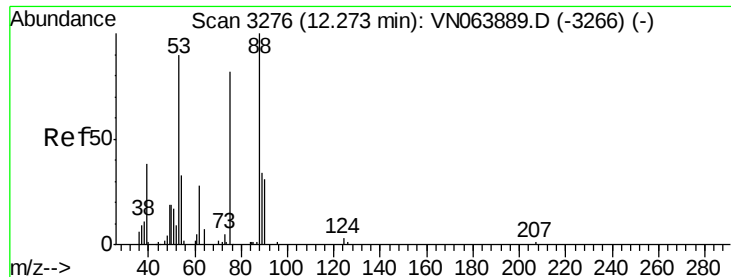
Tot Ion: 95 Resp: 84172
Ion Ratio Lower Upper
95 100
174 73.6 70.1 105.1
176 68.7 66.8 100.2



#63
Toluene-d8
Concen: 30.245 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064038.D
Acq: 9 Oct 2020 15:15

Tgt Ion: 98 Resp: 282317
Ion Ratio Lower Upper
98 100
100 62.1 51.4 77.2





#77
t-1,4-Dichloro-2-butene
Concen: 32.424 ug/l
RT: 12.38 min Scan# 3309
Delta R.T. 0.10 min
Lab File: VN064038.D
Acq: 9 Oct 2020 15:15

Instrument :
MSVOA_N
ClientSampleId :
WGGM-20-WW-TSF-033

Tot Ion: 75 Resp: 45460
Ion Ratio Lower Upper
75 100
53 0.0 47.0 141.0#
89 0.0 22.9 68.7#

