

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064039.D
 Acq On : 9 Oct 2020 15:39
 Operator : JC/MD
 Sample : L4301-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WGGM-20-WW-TSF-034

Quant Time: Oct 10 01:29:39 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	43353	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	217907	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	205537	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	118476	30.43	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.43%
60) 4-Bromofluorobenzene	12.38	95	81580	23.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	77.37%
63) Toluene-d8	10.06	98	273621	29.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.93%

Target Compounds

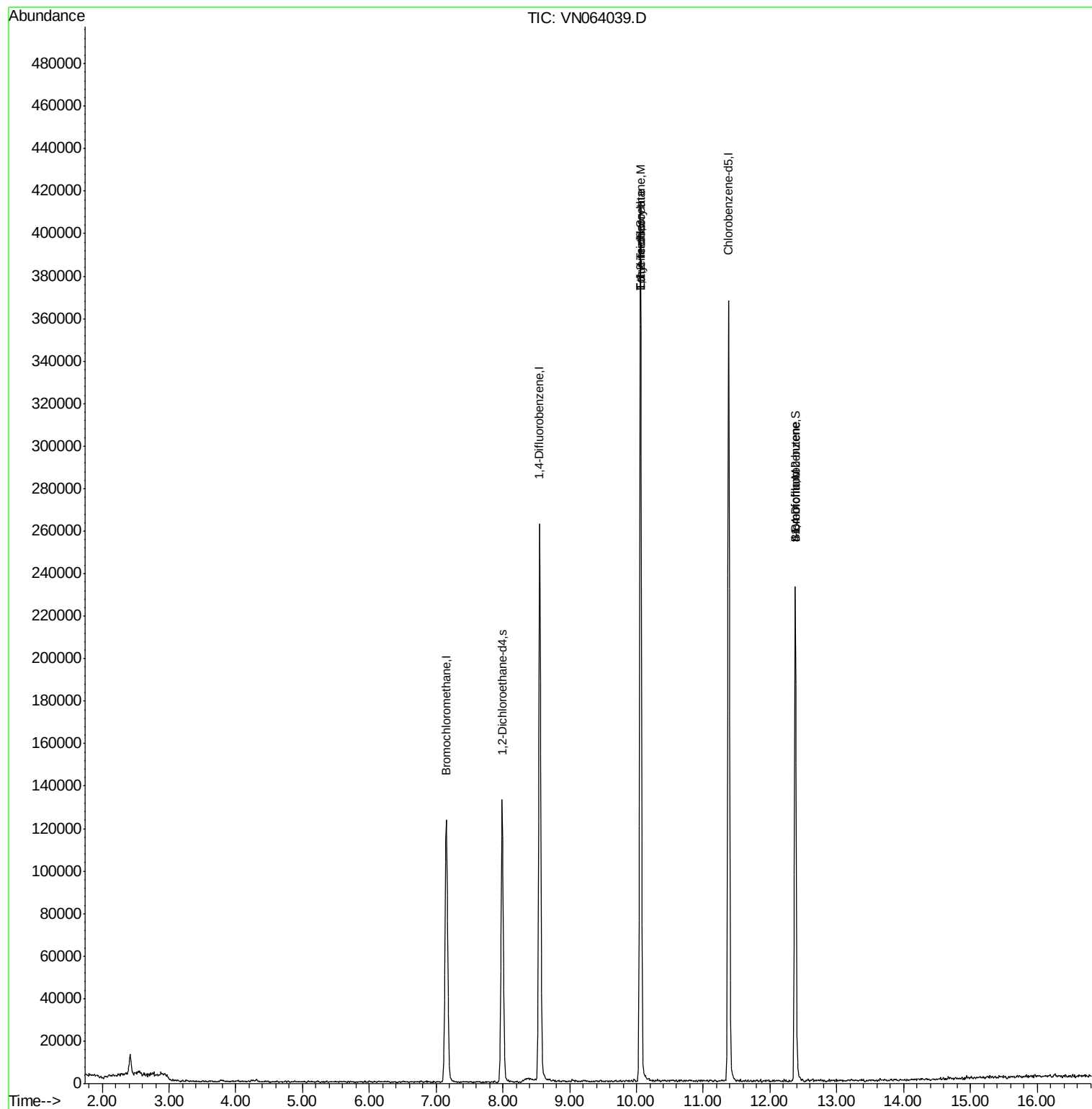
					Ovalue	
50) 1,1,2-Trichloroethane	10.07	97	10737	3.905	ug/l #	1
51) Ethyl methacrylate	10.07	69	1091	0.274	ug/l	94
56) Bromoform	12.37	173	518	0.236	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	45018	32.177	ug/l #	12

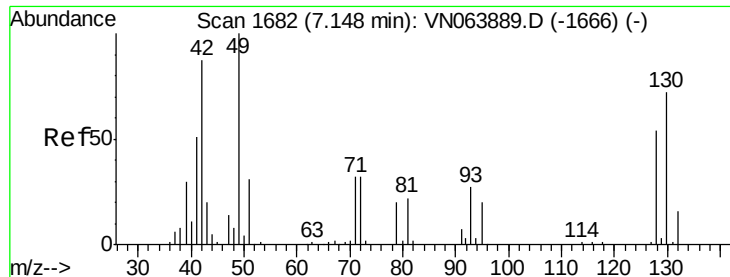
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1684

Delta R.T. 0.00 min

Lab File: VN064039.D

Acq: 9 Oct 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

WGGM-20-WW-TSF-034

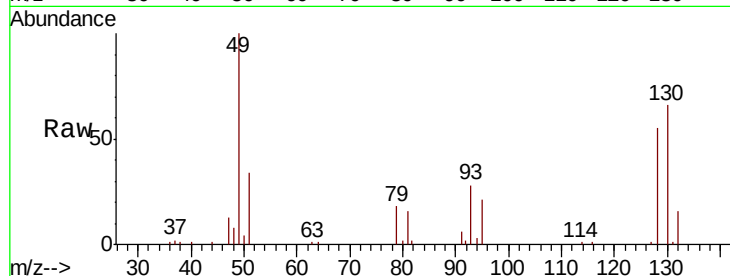
Tot Ion:128 Resp: 43353

Ion Ratio Lower Upper

128 100

49 196.6 0.0 437.5

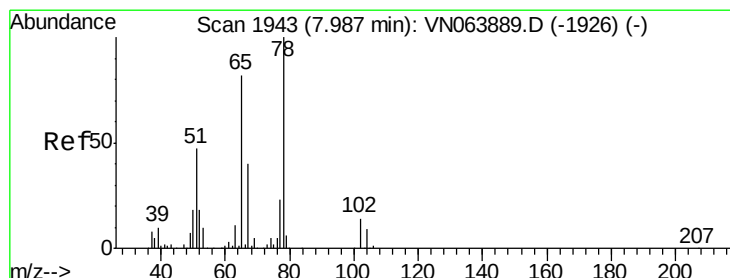
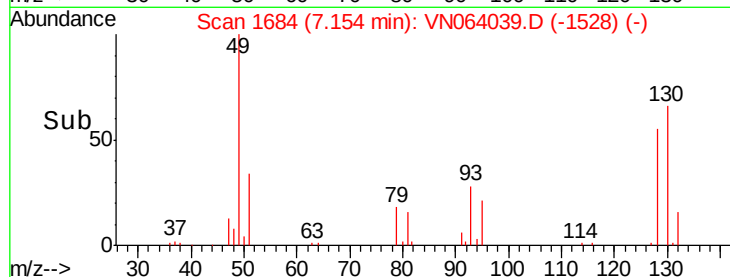
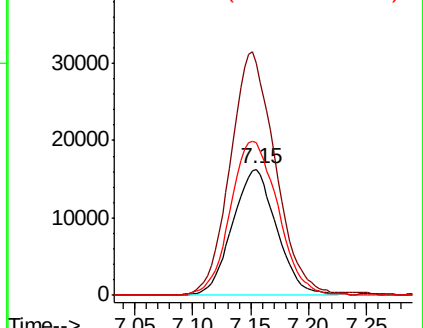
130 130.9 0.0 327.3



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: 30.429 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064039.D

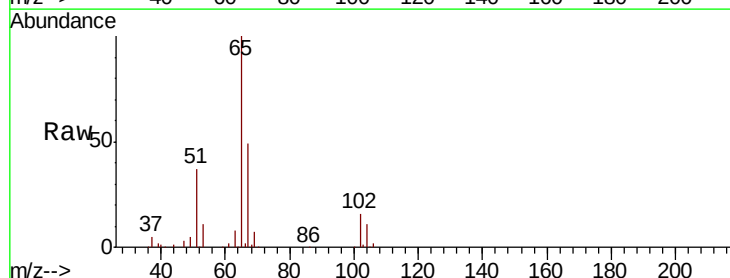
Acq: 9 Oct 2020 15:39

Tgt Ion: 65 Resp: 118476

Ion Ratio Lower Upper

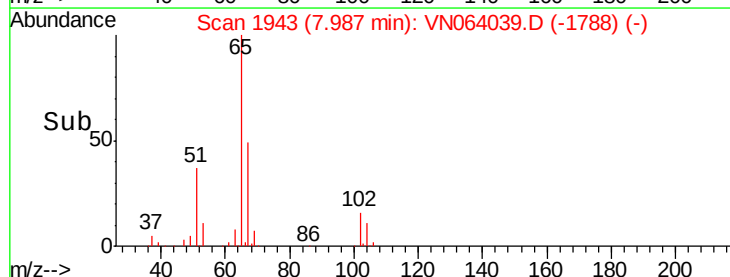
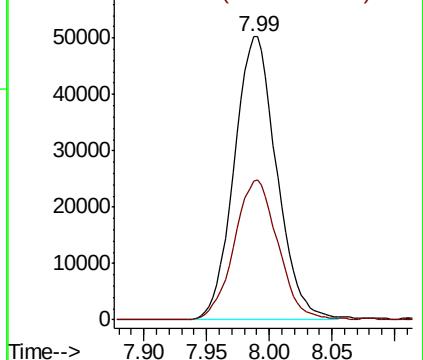
65 100

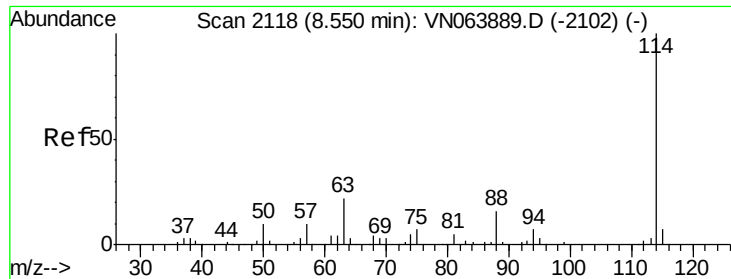
67 50.9 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

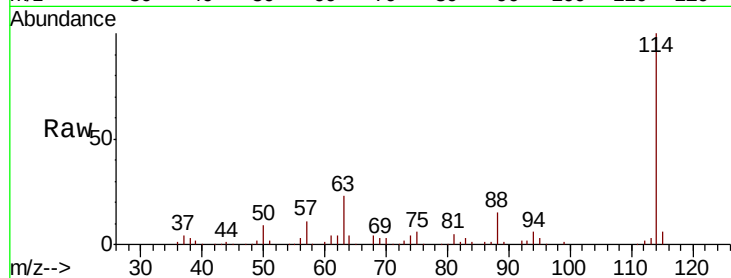




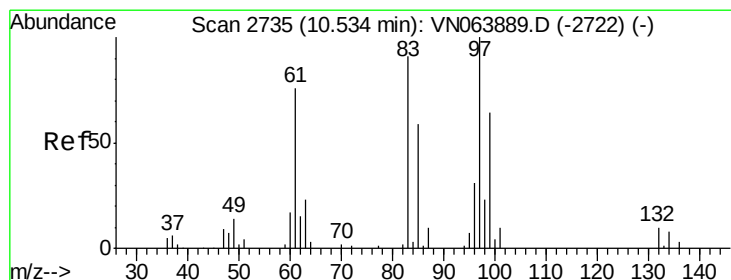
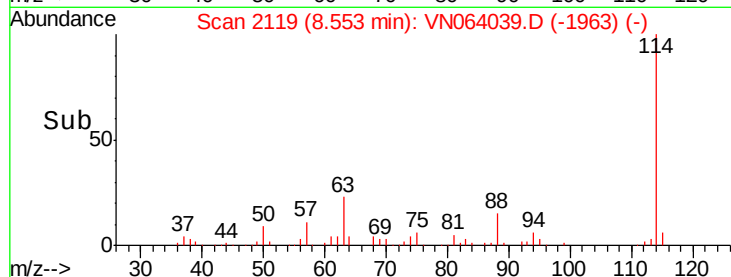
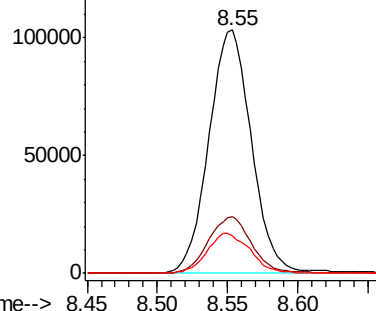
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064039.D
 Acq: 9 Oct 2020 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 WGM-20-WW-TSF-034

Tot Ion:114 Resp: 217907
 Ion Ratio Lower Upper
 114 100
 63 23.5 17.0 25.6
 88 16.7 12.6 18.8

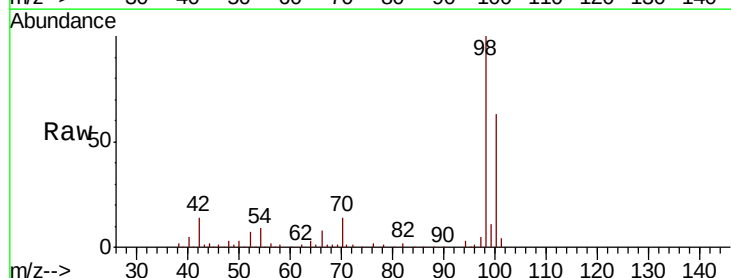


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

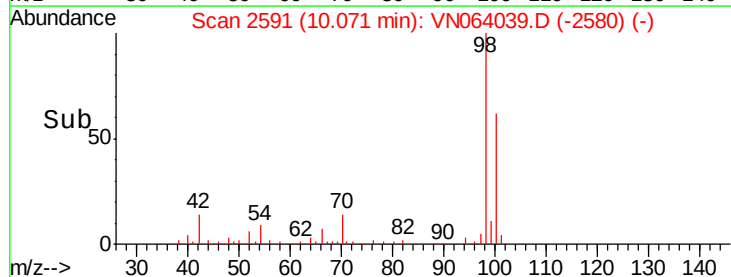
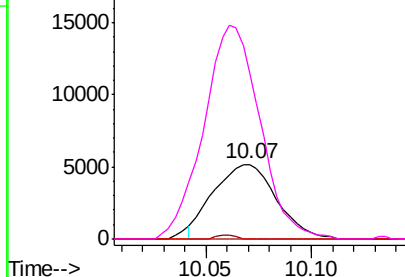


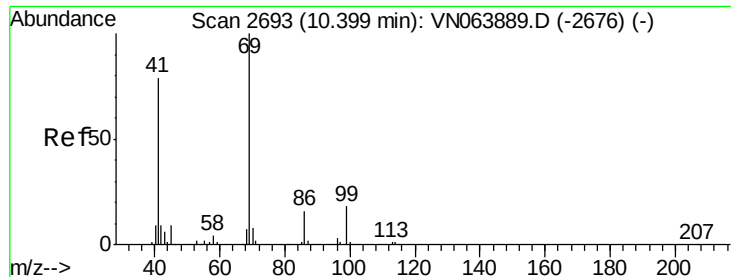
#50
 1,1,2-Trichloroethane
 Concen: 3.905 ug/l
 RT: 10.07 min Scan# 2591
 Delta R.T. -0.46 min
 Lab File: VN064039.D
 Acq: 9 Oct 2020 15:39

Tgt Ion: 97 Resp: 10737
 Ion Ratio Lower Upper
 97 100
 83 0.0 69.9 104.9#
 85 0.0 44.0 66.0#
 99 220.7 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

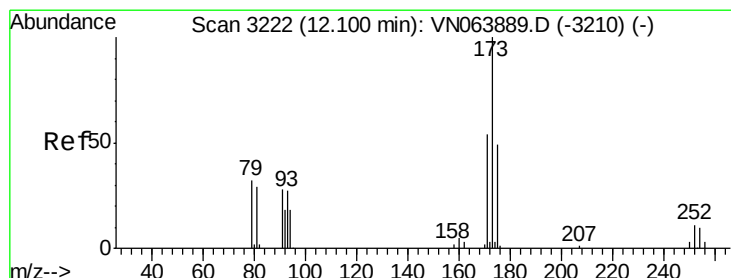
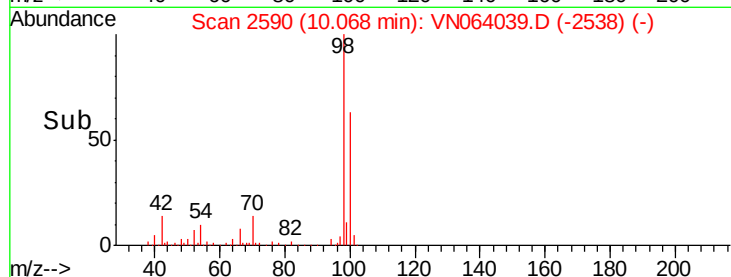
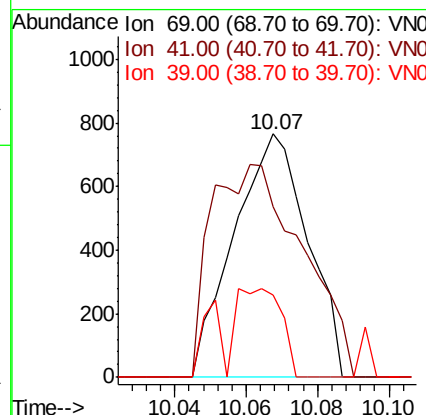
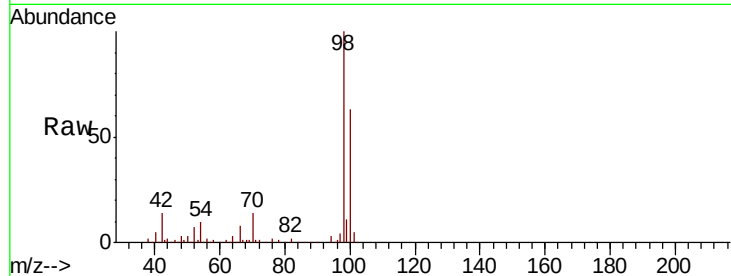




#51
Ethyl methacrylate
Concen: 0.274 ug/l
RT: 10.07 min Scan# 2590
Delta R.T. -0.33 min
Lab File: VN064039.D
Acq: 9 Oct 2020 15:39

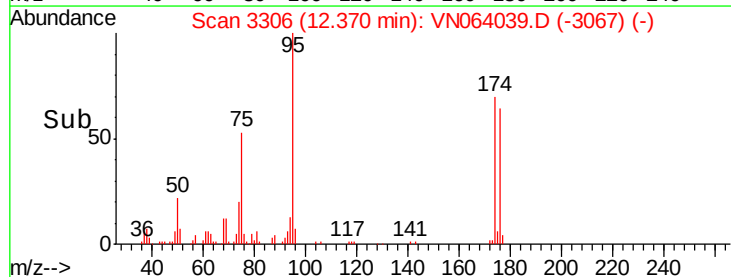
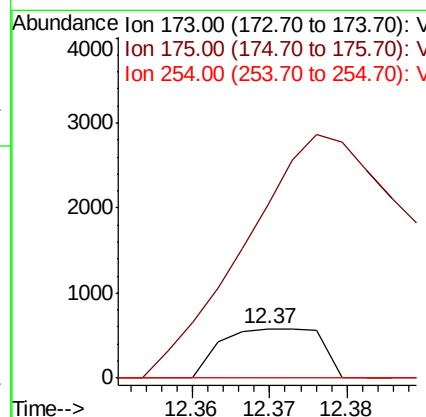
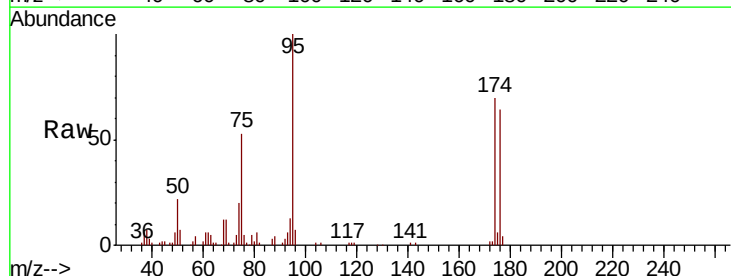
Instrument :
MSVOA_N
ClientSampleId :
WGGM-20-WW-TSF-034

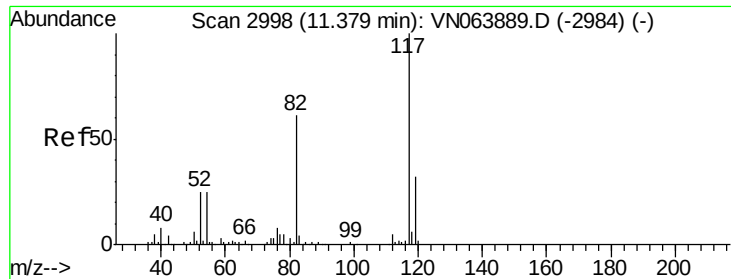
Tot Ion: 69 Resp: 1091
Ion Ratio Lower Upper
69 100
41 70.0 32.1 96.5
39 33.7 16.1 48.3



#56
Bromoform
Concen: 0.236 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN064039.D
Acq: 9 Oct 2020 15:39

Tgt Ion: 173 Resp: 518
Ion Ratio Lower Upper
173 100
175 909.8 41.2 61.8#
254 0.0 9.0 13.4#

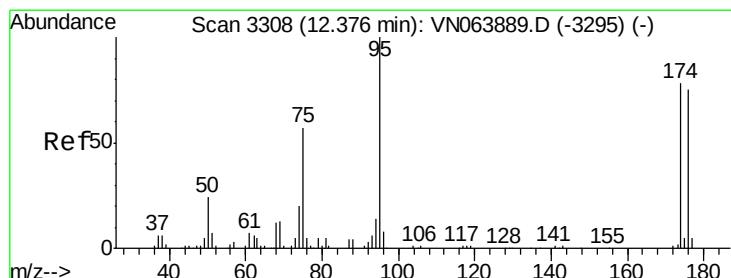
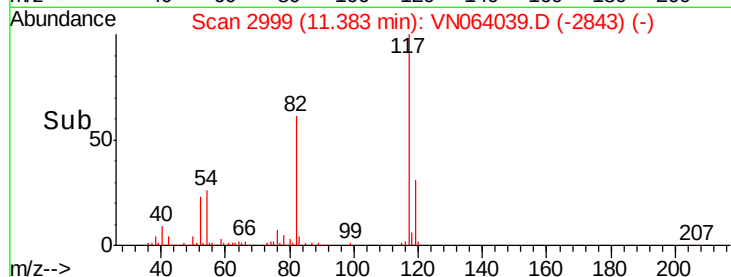
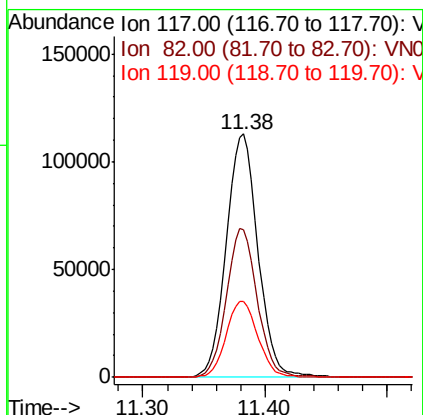
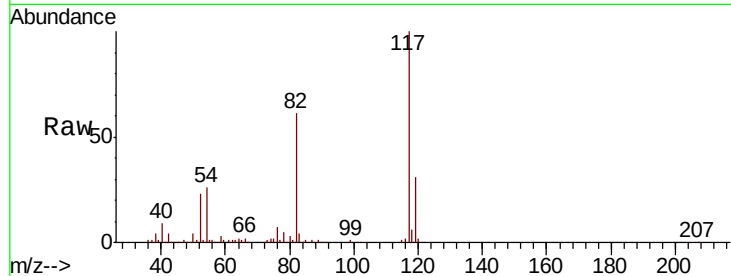




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN064039.D
Acq: 9 Oct 2020 15:39

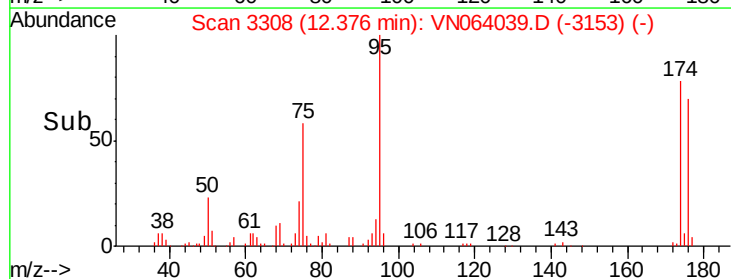
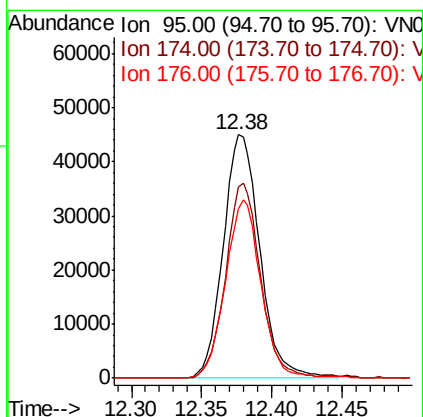
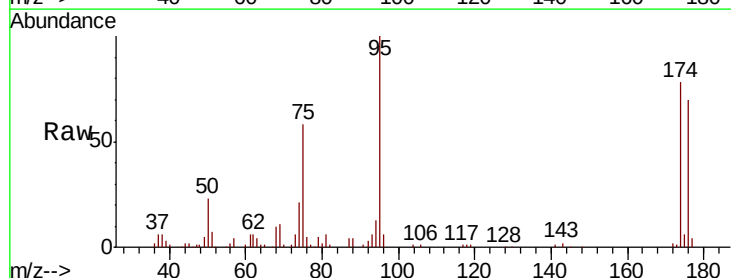
Instrument :
MSVOA_N
ClientSampleId :
WGGM-20-WW-TSF-034

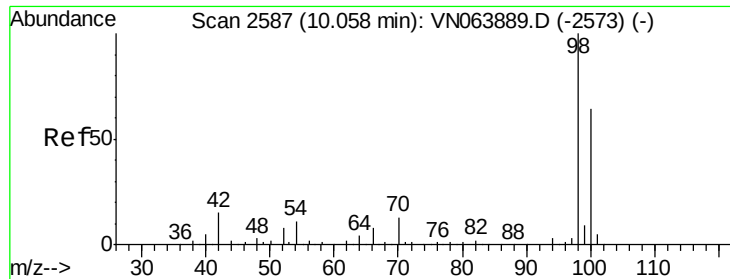
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.5	44.9	67.3
119	31.3	26.0	39.0



#60
4-Bromofluorobenzene
Concen: 23.210 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064039.D
Acq: 9 Oct 2020 15:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	70.1	105.1
176	71.1	66.8	100.2





#63

Toluene-d8

Concen: 29.375 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064039.D

Acq: 9 Oct 2020 15:39

Instrument :

MSVOA_N

ClientSampleId :

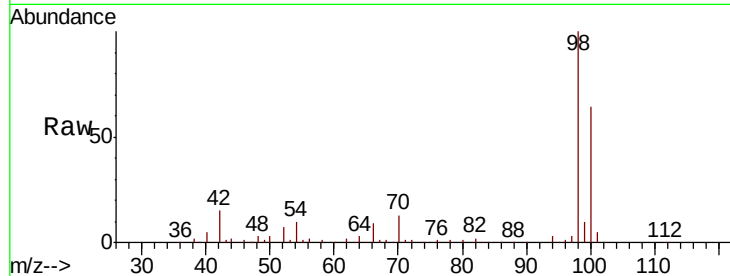
WGGM-20-WW-TSF-034

Tot Ion: 98 Resp: 273621

Ion Ratio Lower Upper

98 100

100 63.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN063889.D (-2573) (-)

Ion 100.00 (99.70 to 100.70): VN063889.D (-2573) (-)

10.06

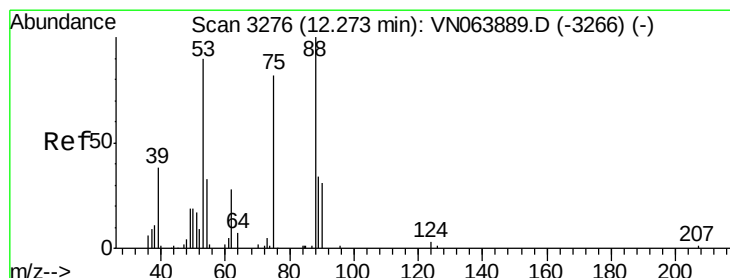
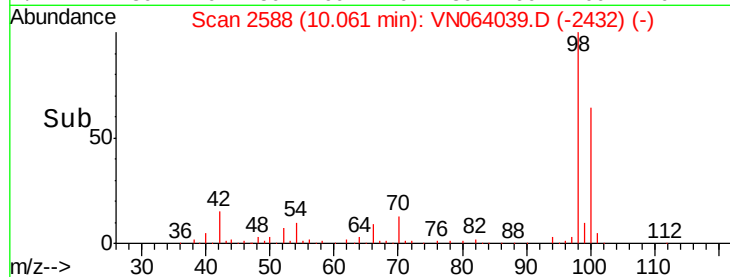
150000

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 32.177 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064039.D

Acq: 9 Oct 2020 15:39

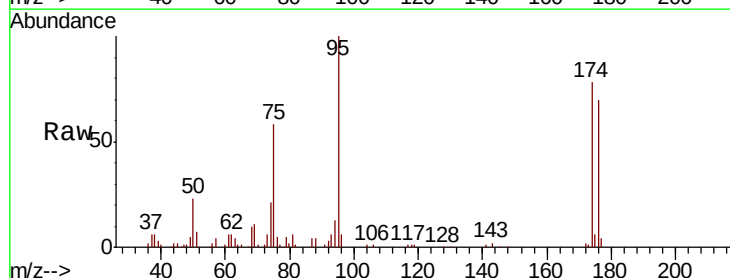
Tgt Ion: 75 Resp: 45018

Ion Ratio Lower Upper

75 100

53 0.0 47.0 141.0#

89 0.0 22.9 68.7#



Abundance Ion 75.00 (74.70 to 75.70): VN063889.D (-3266) (-)

Ion 53.00 (52.70 to 53.70): VN063889.D (-3266) (-)

Ion 89.00 (88.70 to 89.70): VN063889.D (-3266) (-)

12.38

30000

20000

10000

0

Time-->

