

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064761.D
 Acq On : 20 Nov 2020 5:31
 Operator : JC/MD
 Sample : L4788-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-MW181S-GW-20201117

Quant Time: Nov 24 08:05:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 00:39:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	206081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	440393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	242477	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		7.99	65	212805	58.70	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.40%	
35) Dibromofluoromethane		7.55	113	145680	54.17	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	108.34%	
50) Toluene-d8		10.06	98	710620	58.14	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	116.28%	
62) 4-Bromofluorobenzene		12.38	95	212139	46.43	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	92.86%	

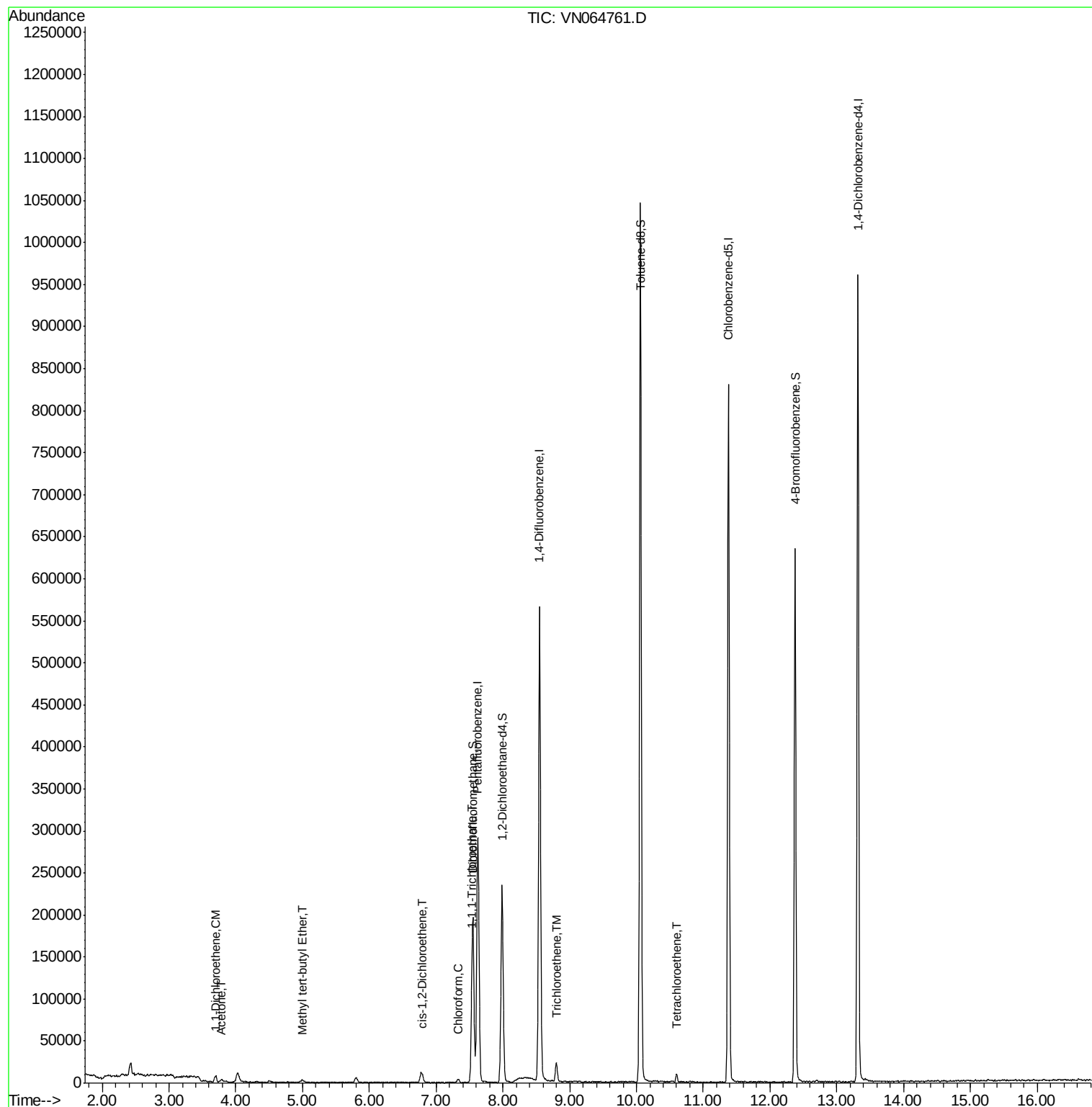
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.70	96	3287	1.484	ug/l	93
16) Acetone	3.78	43	5537	11.249	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	3918m	0.528	ug/l	
27) cis-1,2-Dichloroethene	6.79	96	7372m	2.705	ug/l	
30) Chloroform	7.33	83	4025	0.787	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	4109	0.879	ug/l #	35
44) Trichloroethene	8.80	130	7439	1.914	ug/l	96
64) Tetrachloroethene	10.60	164	1872	0.479	ug/l	93

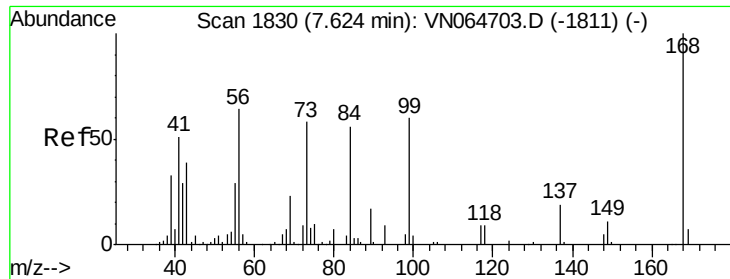
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

MSVOA_N

ClientSampleId :

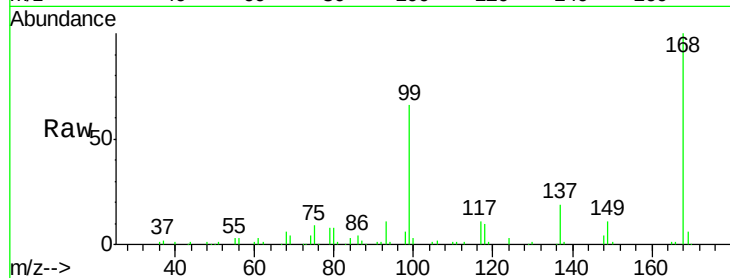
BP-TT-MW181S-GW-20201117

Tot Ion:168 Resp: 206081

Ion Ratio Lower Upper

168 100

99 65.5 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

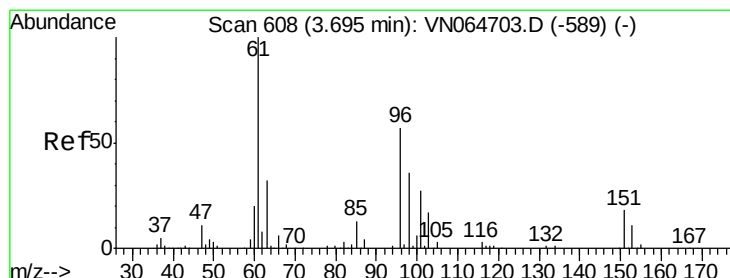
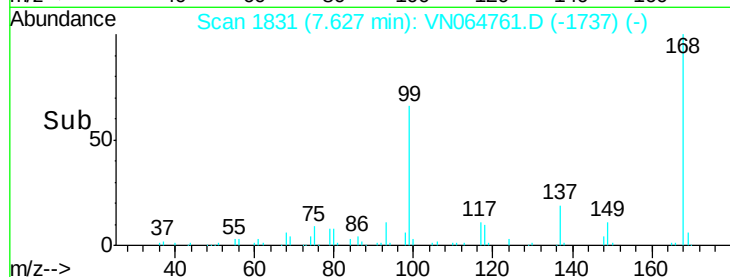
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#12

1,1-Dichloroethene

Concen: 1.484 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

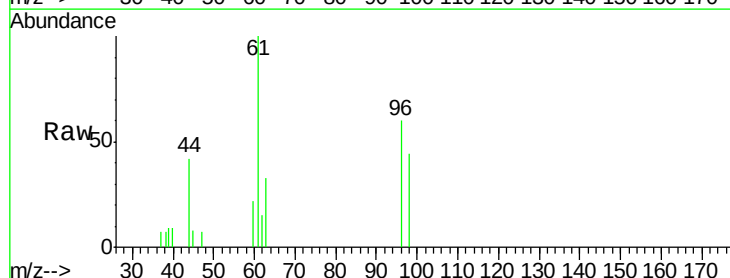
Tgt Ion: 96 Resp: 3287

Ion Ratio Lower Upper

96 100

61 167.6 139.1 208.7

98 73.2 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

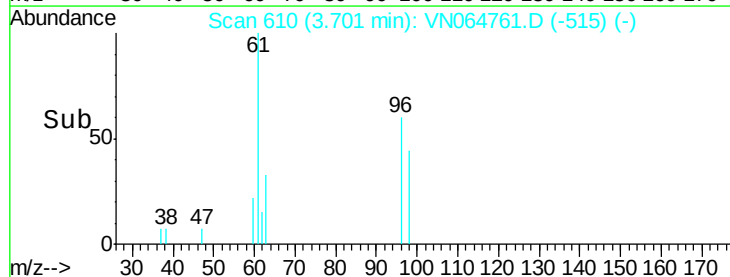
3000

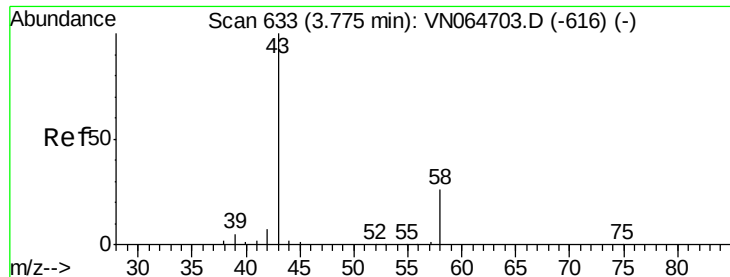
2000

1000

0

Time--> 3.65 3.70 3.75





#16

Acetone

Concen: 11.249 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

MSVOA_N

ClientSampleId :

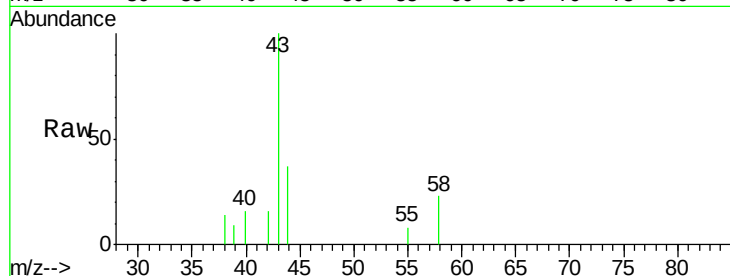
BP-TT-MW181S-GW-20201117

Tot Ion: 43 Resp: 5537

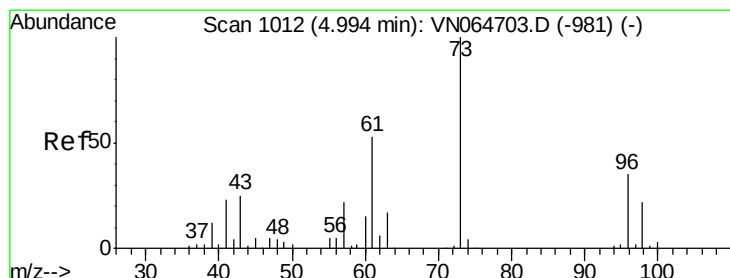
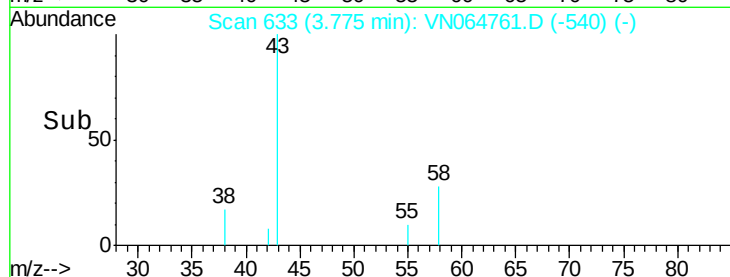
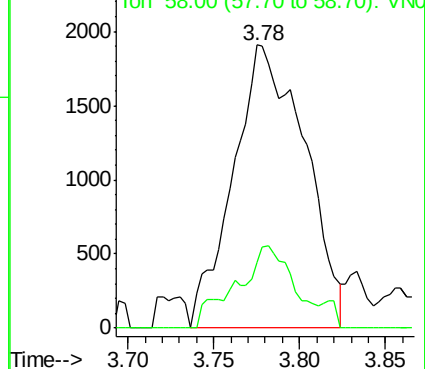
Ion Ratio Lower Upper

43 100

58 23.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN064761.D (-540) (-)



#19

Methyl tert-butyl Ether

Concen: 0.528 ug/l m

RT: 4.99 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN064761.D

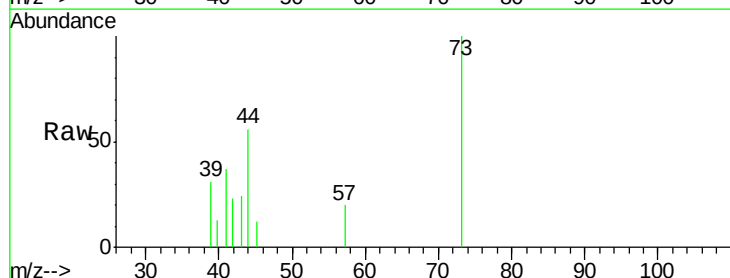
Acq: 20 Nov 2020 5:31

Tgt Ion: 73 Resp: 3918

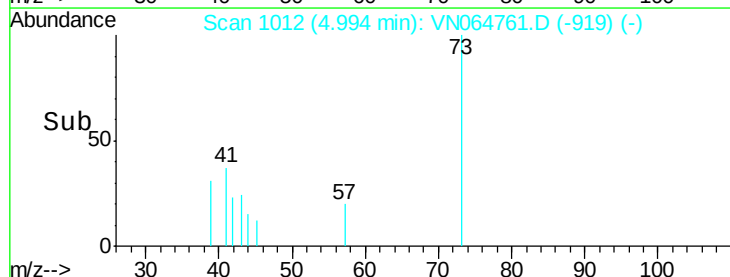
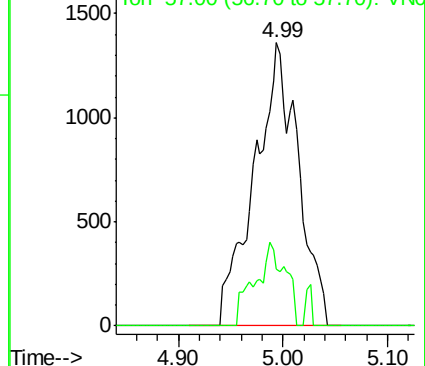
Ion Ratio Lower Upper

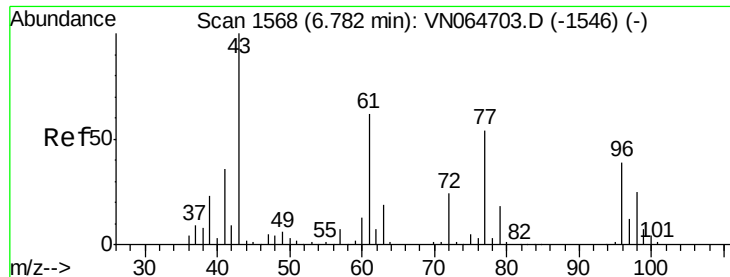
73 100

57 20.1 17.3 25.9



Abundance Ion 73.00 (72.70 to 73.70): VN064761.D (-919) (-)

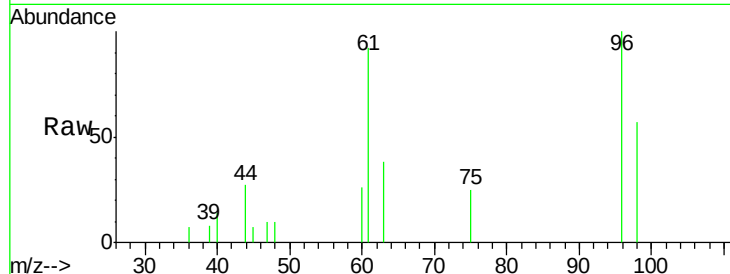




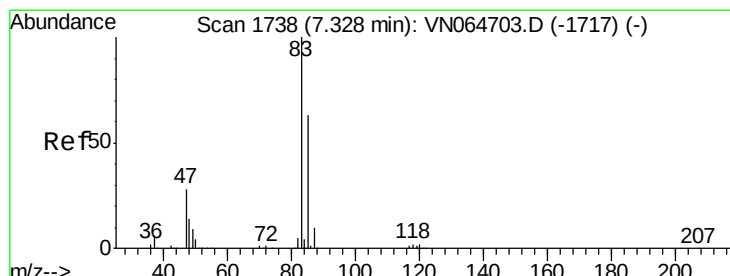
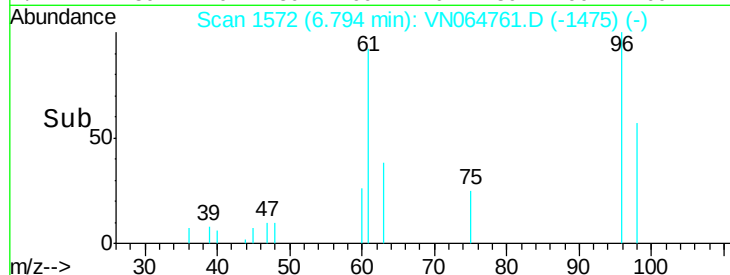
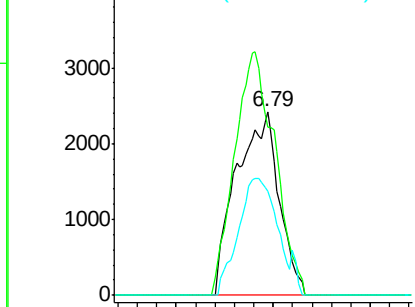
#27
 cis-1,2-Dichloroethene
 Concen: 2.705 ug/l m
 RT: 6.79 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VN064761.D
 Acq: 20 Nov 2020 5:31

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-MW181S-GW-20201117

Tot Ion: 96 Resp: 7372
 Ion Ratio Lower Upper
 96 100
 61 125.1 0.0 322.6
 98 57.1 0.0 128.6

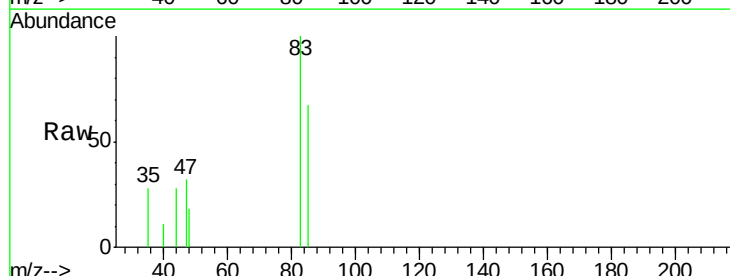


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

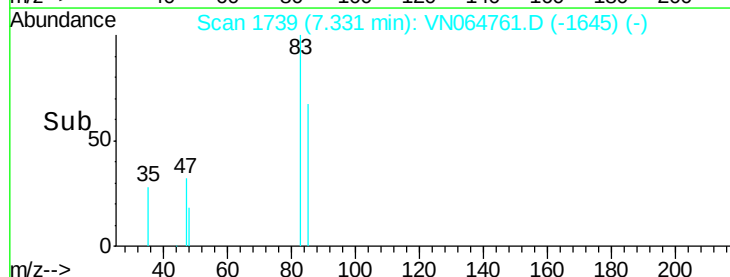
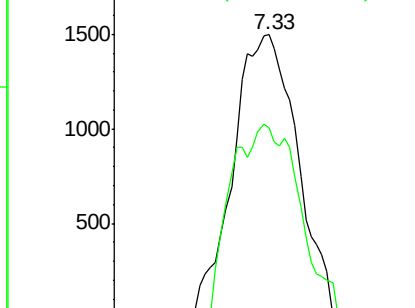


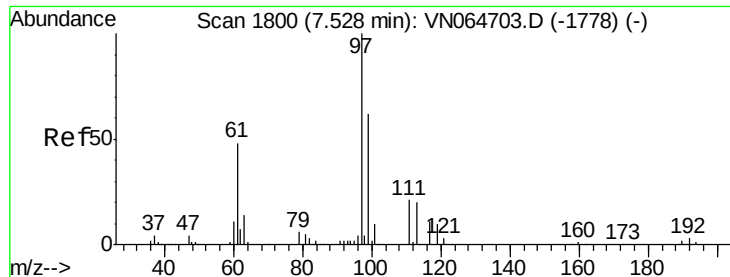
#30
 Chloroform
 Concen: 0.787 ug/l
 RT: 7.33 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: VN064761.D
 Acq: 20 Nov 2020 5:31

Tgt Ion: 83 Resp: 4025
 Ion Ratio Lower Upper
 83 100
 85 67.1 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0





#32

1,1,1-Trichloroethane

Concen: 0.879 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-MW181S-GW-20201117

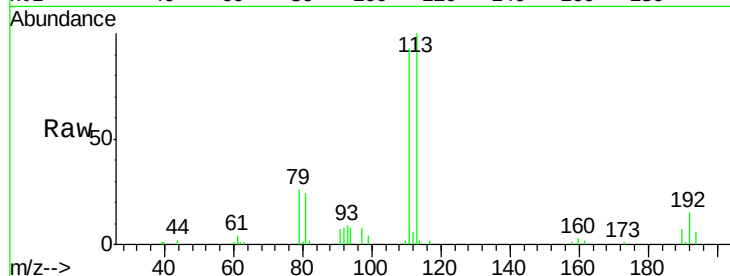
Tot Ion: 97 Resp: 4109

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

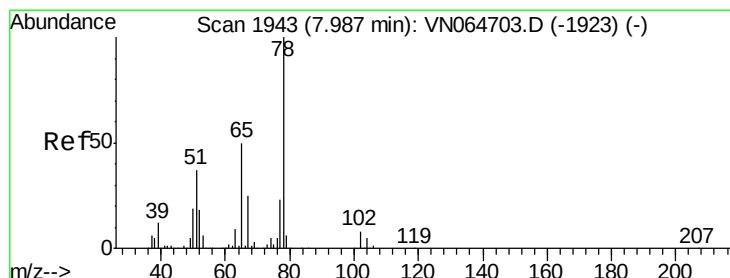
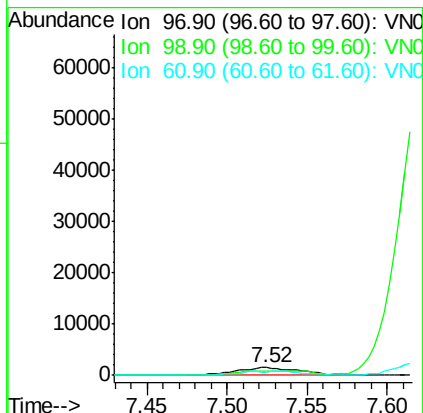
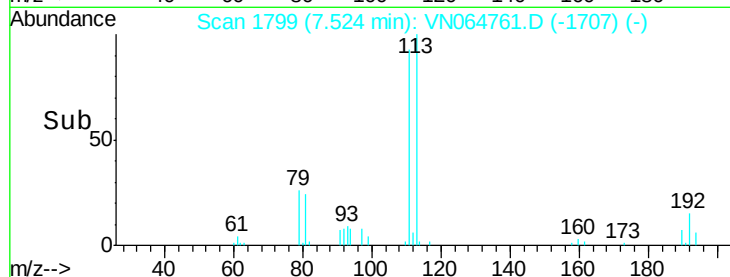
61 19.3 38.3 57.5#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 58.700 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064761.D

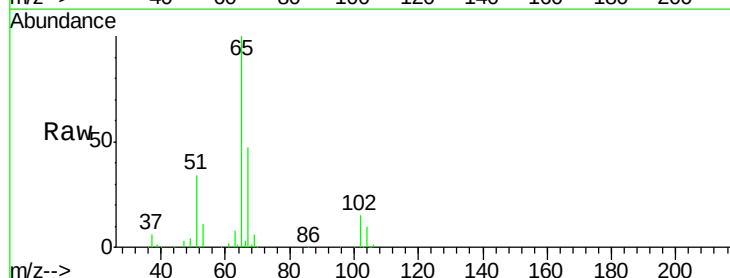
Acq: 20 Nov 2020 5:31

Tgt Ion: 65 Resp: 212805

Ion Ratio Lower Upper

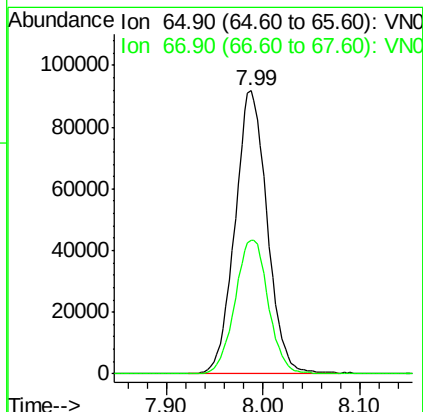
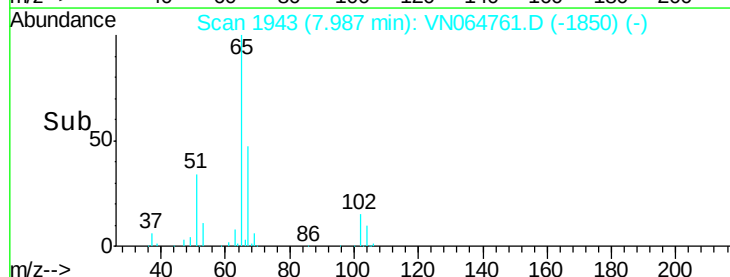
65 100

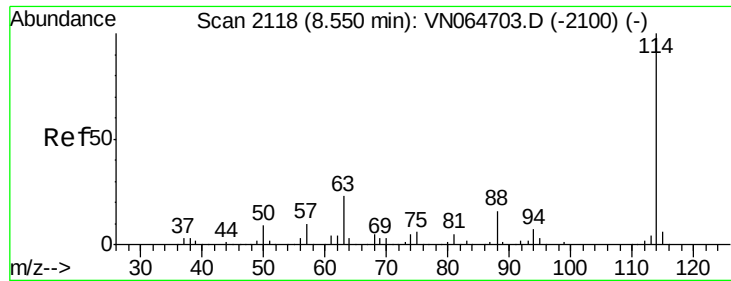
67 48.8 0.0 99.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

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ClientSampleId :

BP-TT-MW181S-GW-20201117

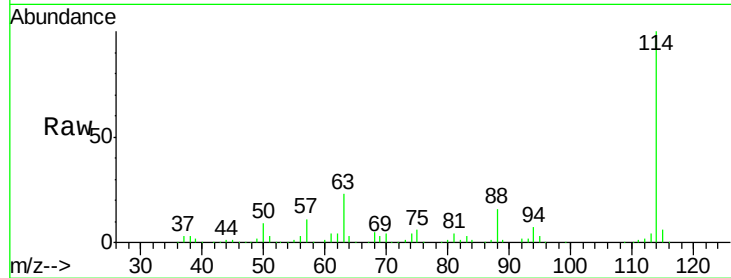
Tot Ion:114 Resp: 472531

Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.0

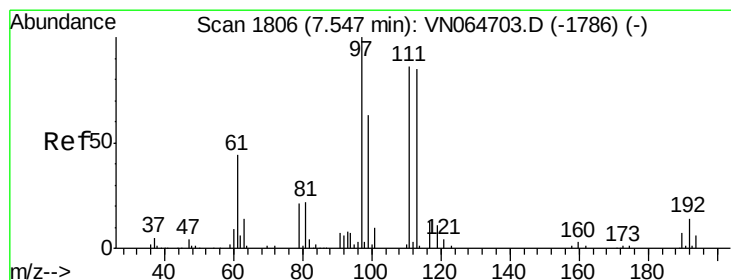
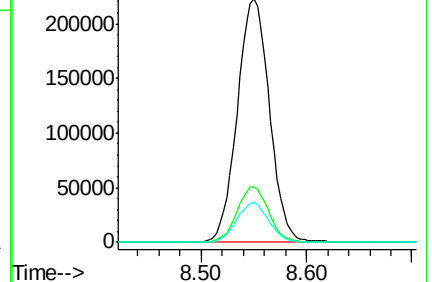
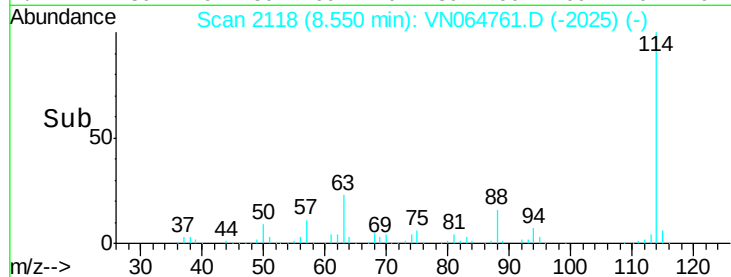
88 16.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 54.166 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

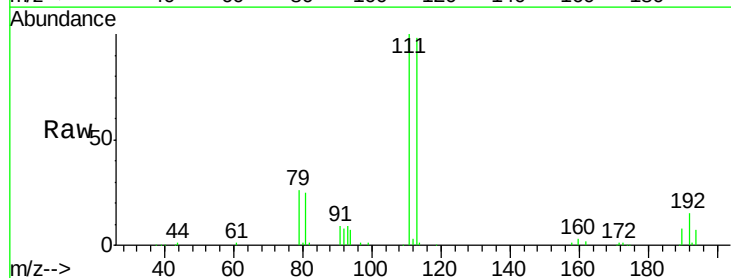
Tgt Ion:113 Resp: 145680

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

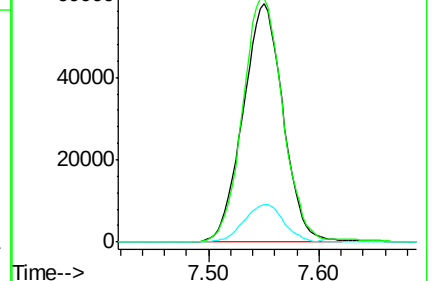
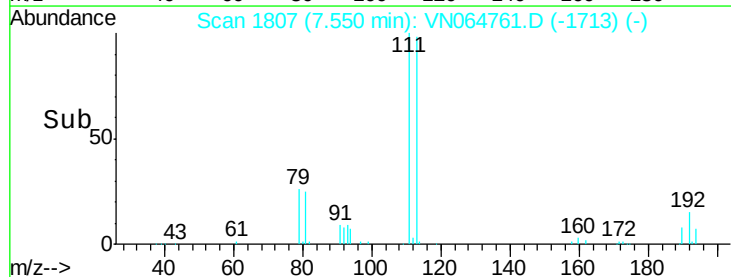
192 15.8 12.7 19.1

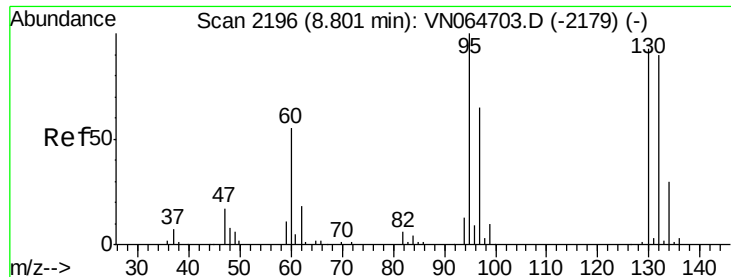


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 1.914 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

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ClientSampleId :

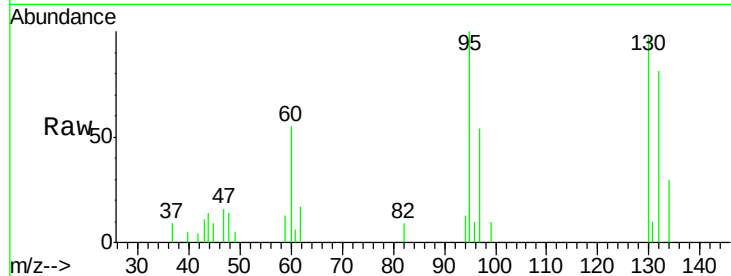
BP-TT-MW181S-GW-20201117

Tot Ion:130 Resp: 7439

Ion Ratio Lower Upper

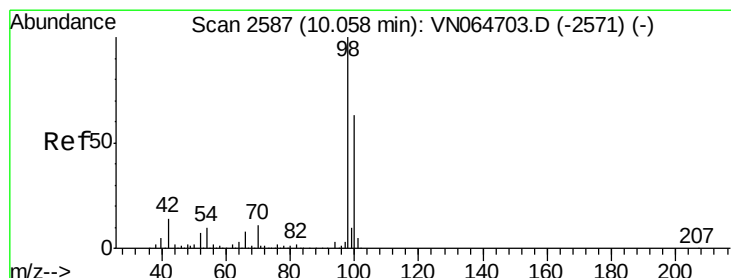
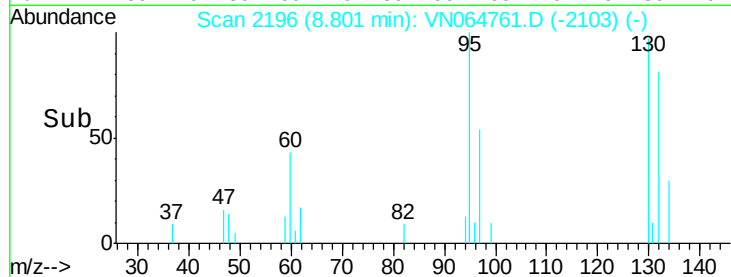
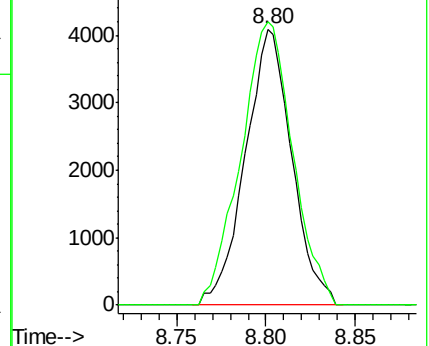
130 100

95 102.6 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): VN064703.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064703.D (-2179) (-)



#50

Toluene-d8

Concen: 58.136 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064761.D

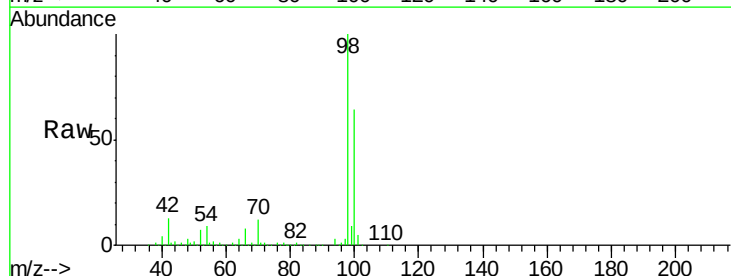
Acq: 20 Nov 2020 5:31

Tgt Ion: 98 Resp: 710620

Ion Ratio Lower Upper

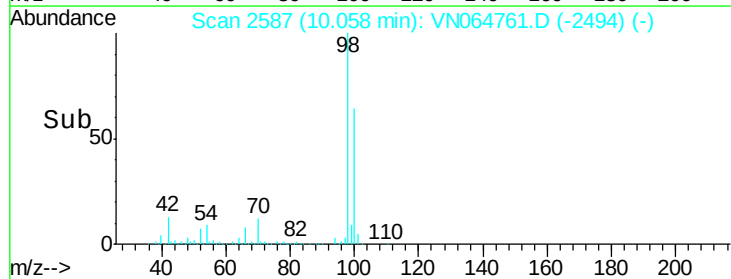
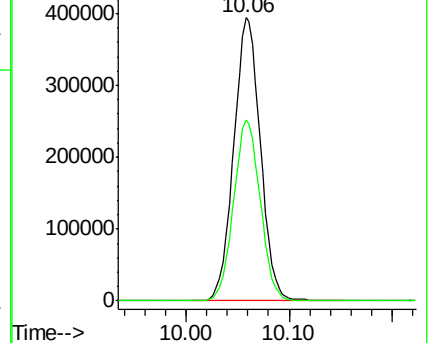
98 100

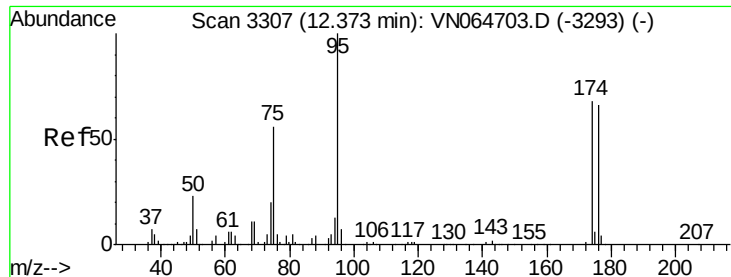
100 63.8 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN064703.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064703.D (-2571) (-)

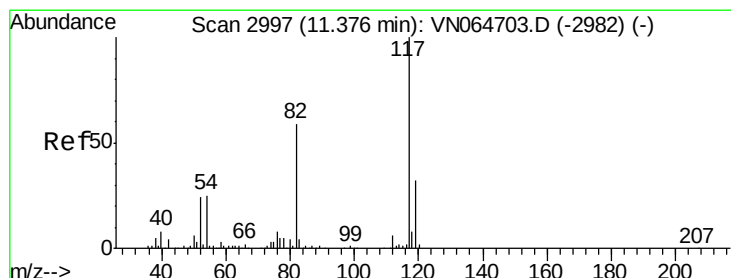
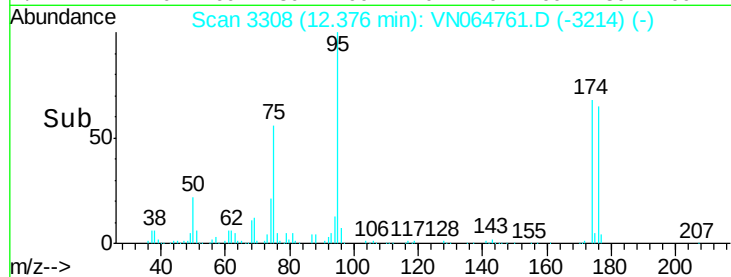
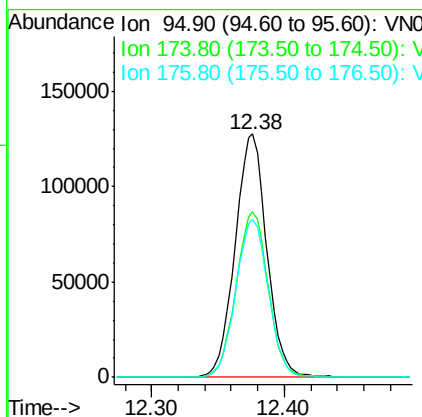
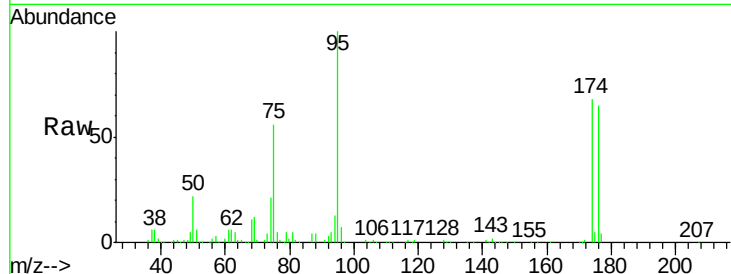




#62
4-Bromofluorobenzene
Concen: 46.431 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064761.D
Acq: 20 Nov 2020 5:31

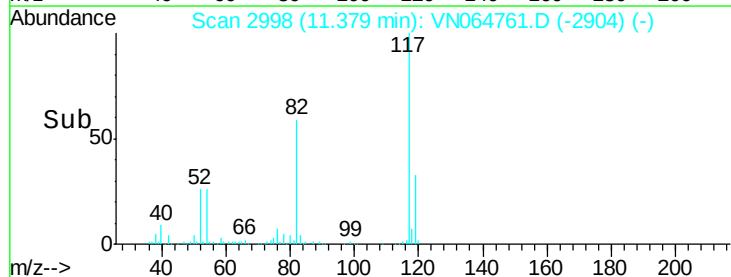
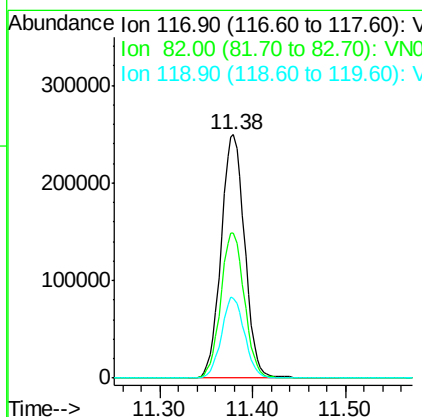
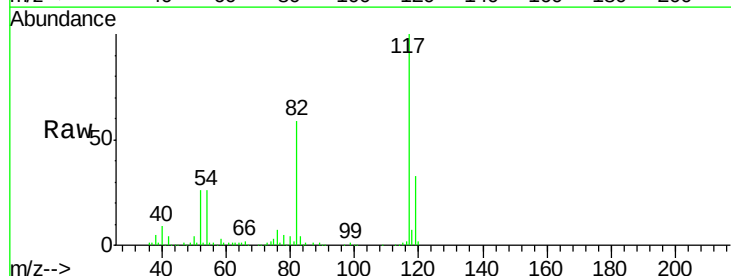
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-MW181S-GW-20201117

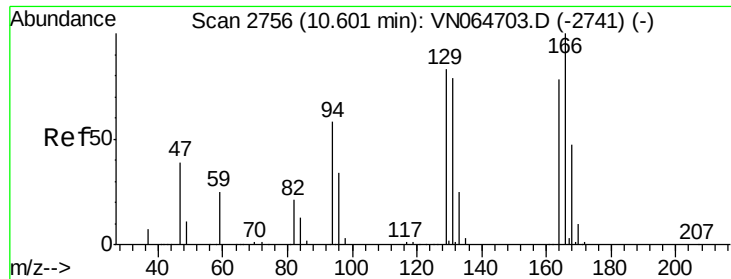
Tot Ion	Ratio	Lower	Upper
95	100		
174	69.2	0.0	136.8
176	66.4	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064761.D
Acq: 20 Nov 2020 5:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.0	70.6
119	33.0	25.4	38.2





#64

Tetrachloroethene

Concen: 0.479 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

Instrument :

MSVOA_N

ClientSampleId :

BP-TT-MW181S-GW-20201117

Tot Ion:164 Resp: 1872

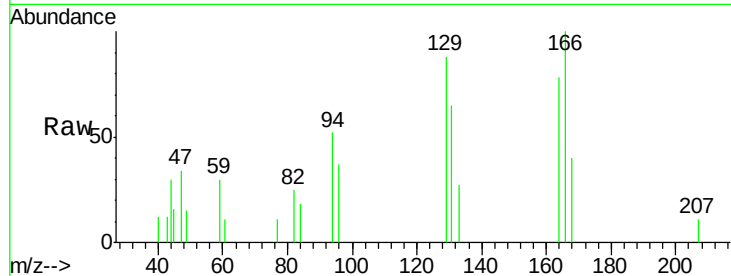
Ion Ratio Lower Upper

164 100

166 127.8 102.2 153.4

129 111.8 84.7 127.1

131 83.7 81.1 121.7

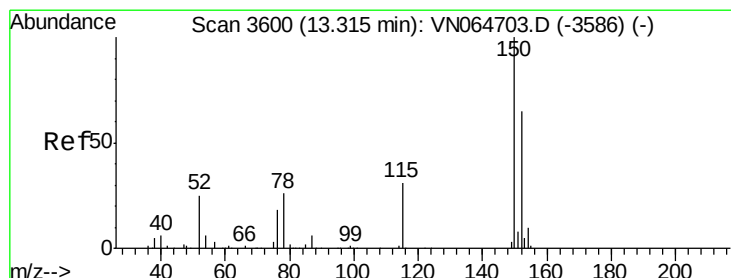
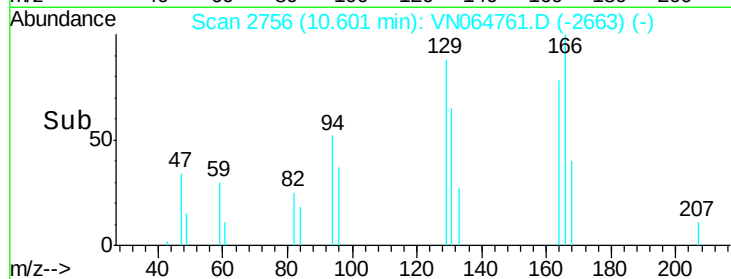
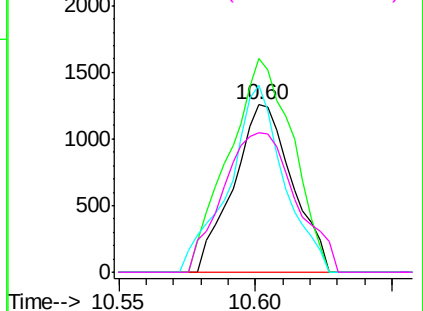


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064761.D

Acq: 20 Nov 2020 5:31

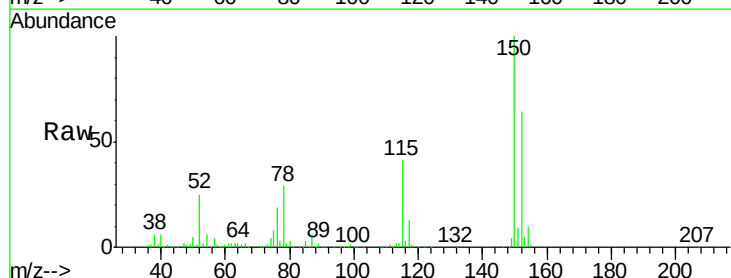
Tgt Ion:152 Resp: 242477

Ion Ratio Lower Upper

152 100

115 64.4 32.1 96.3

150 158.9 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

