

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064528.D
 Acq On : 10 Nov 2020 16:12
 Operator : JC/MD
 Sample : L4684-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-438-440

Quant Time: Nov 11 07:30:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

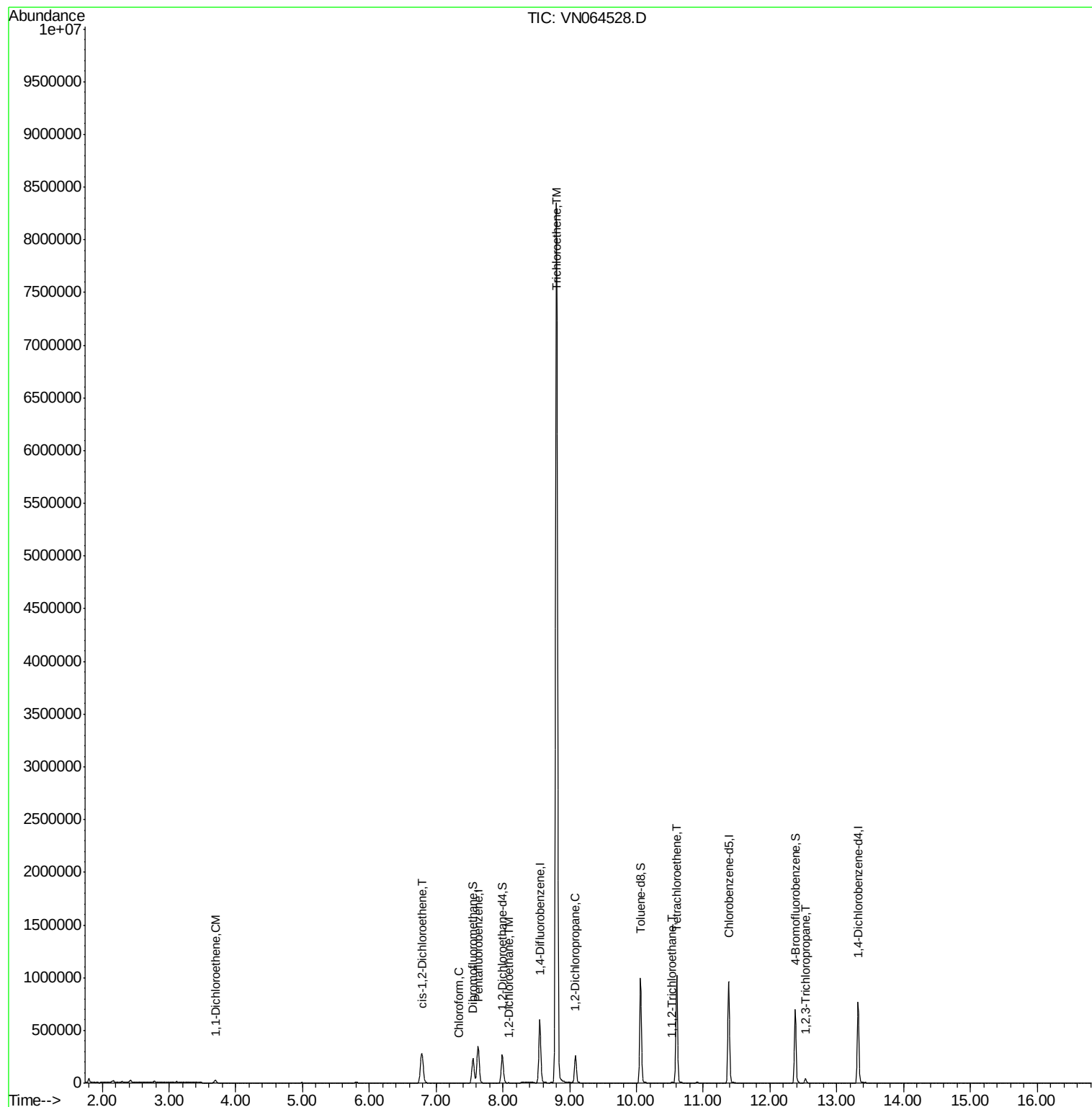
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	250388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	496227	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	523045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188459	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	236087	54.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.26%	
35) Dibromofluoromethane	7.55	113	174507	51.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.30%	
50) Toluene-d8	10.06	98	650849	49.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.38	95	242842	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
Target Compounds						
12) 1,1-Dichloroethene	3.70	96	10875	4.061	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	181856	51.617	ug/l	86
30) Chloroform	7.34	83	3312	0.516	ug/l #	81
42) 1,2-Dichloroethane	8.09	62	2637	0.424	ug/l	99
44) Trichloroethene	8.80	130	2822444	726.208	ug/l	98
45) 1,2-Dichloropropane	9.09	63	97383	23.693	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	2604	0.711	ug/l	95
64) Tetrachloroethene	10.60	164	212342	52.703	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	16629	3.642	ug/l #	100

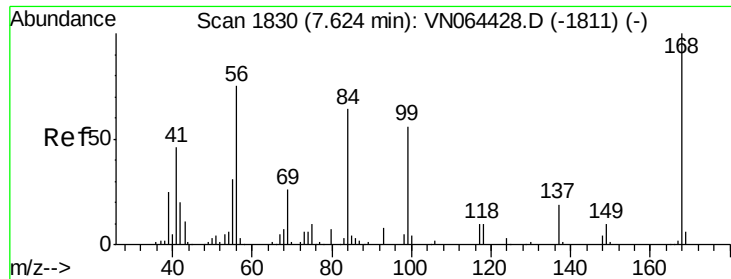
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111020\
Data File : VN064528.D
Acq On : 10 Nov 2020 16:12
Operator : JC/MD
Sample : L4684-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB178-GW-438-440

Quant Time: Nov 11 07:30:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

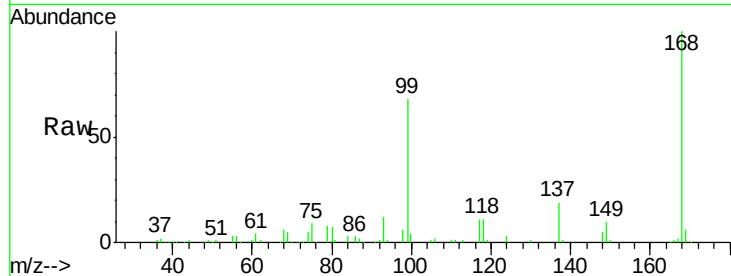
BP-VPB178-GW-438-440

Tot Ion:168 Resp: 250388

Ion Ratio Lower Upper

168 100

99 68.2 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

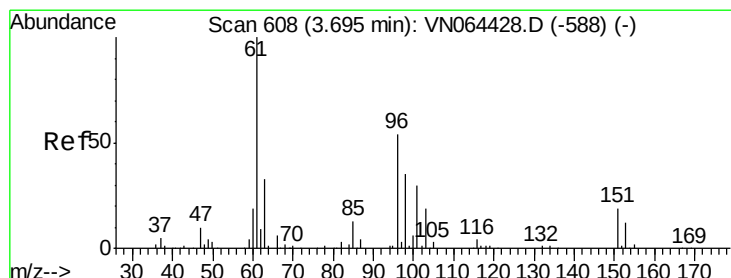
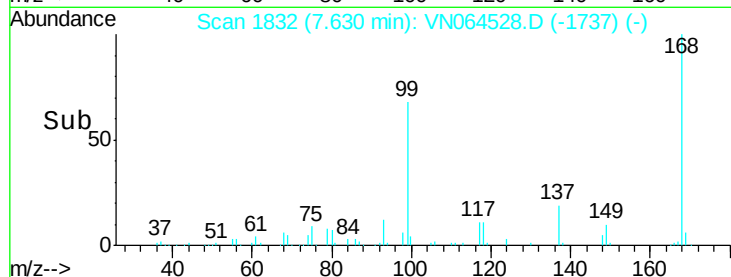
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#12

1,1-Dichloroethene

Concen: 4.061 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

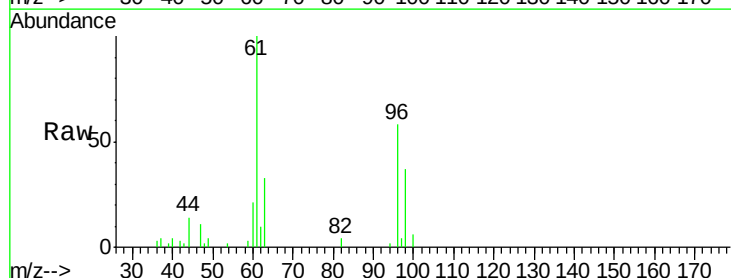
Tgt Ion: 96 Resp: 10875

Ion Ratio Lower Upper

96 100

61 173.4 149.5 224.3

98 64.7 52.4 78.6



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

10000

8000

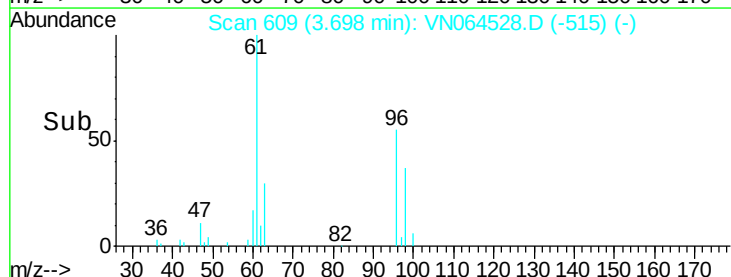
6000

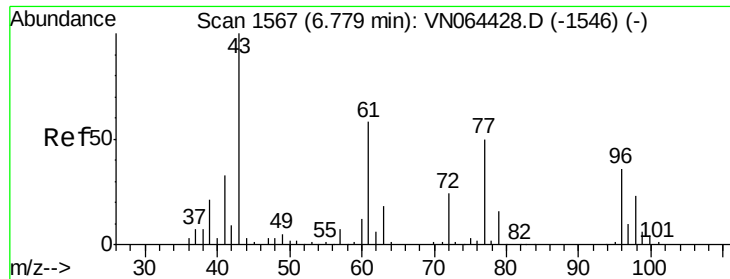
4000

2000

0

Time--> 3.60 3.65 3.70 3.75





#27

cis-1,2-Dichloroethene

Concen: 51.617 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-438-440

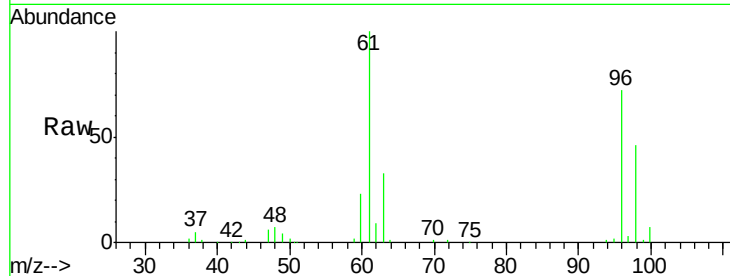
Tot Ion: 96 Resp: 181856

Ion Ratio Lower Upper

96 100

61 140.2 0.0 329.6

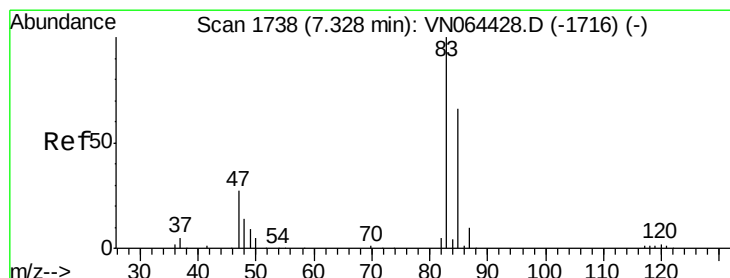
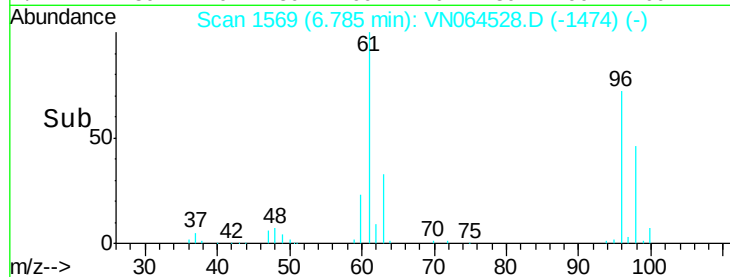
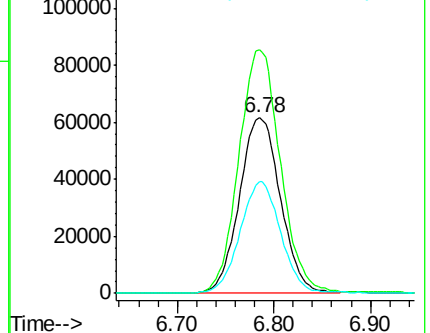
98 62.7 0.0 131.2



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: 0.516 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN064528.D

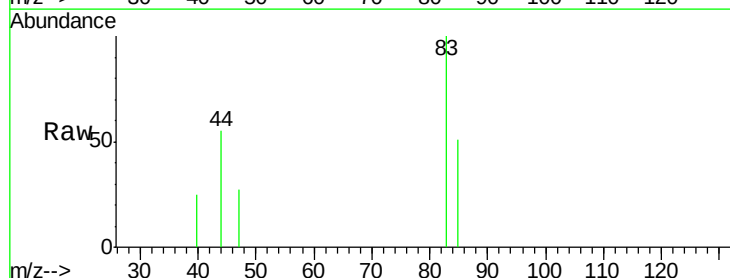
Acq: 10 Nov 2020 16:12

Tgt Ion: 83 Resp: 3312

Ion Ratio Lower Upper

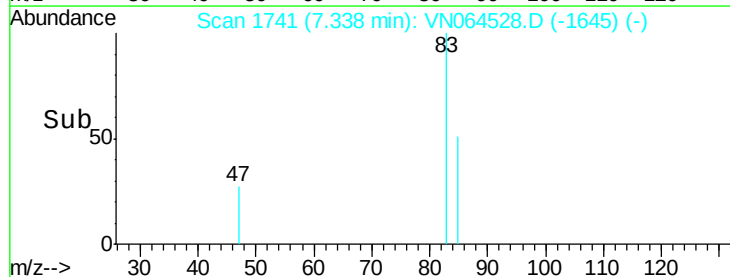
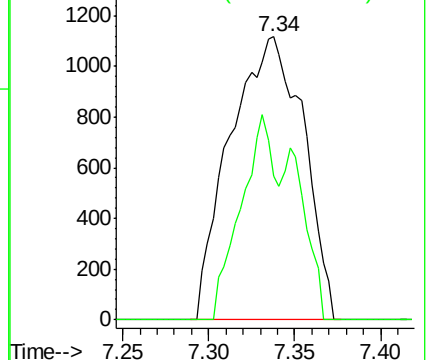
83 100

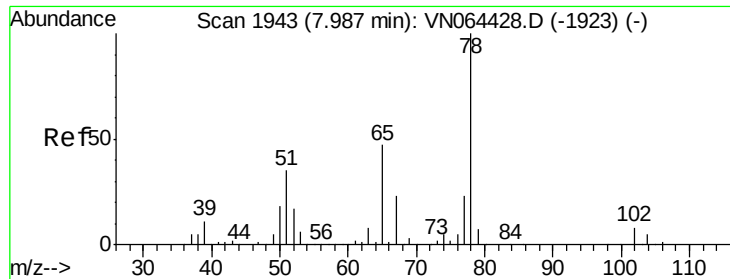
85 50.7 52.5 78.7#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

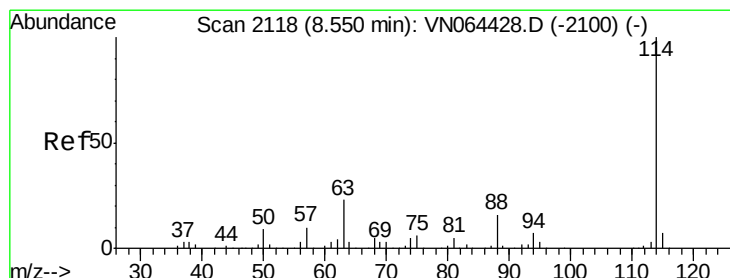
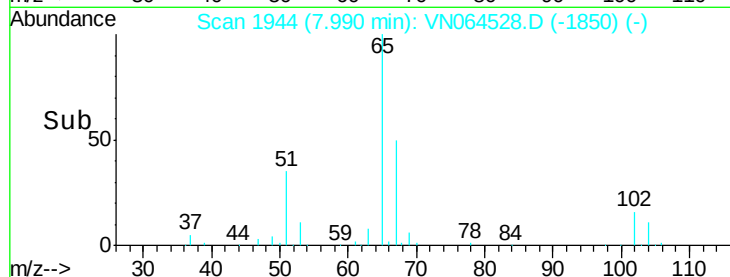
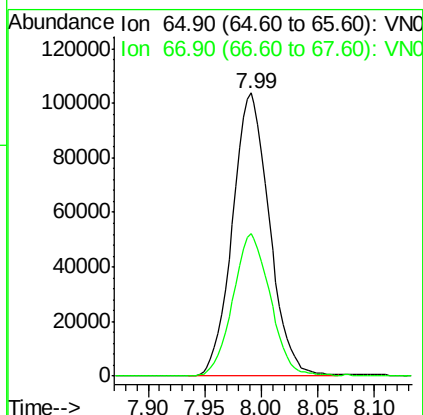
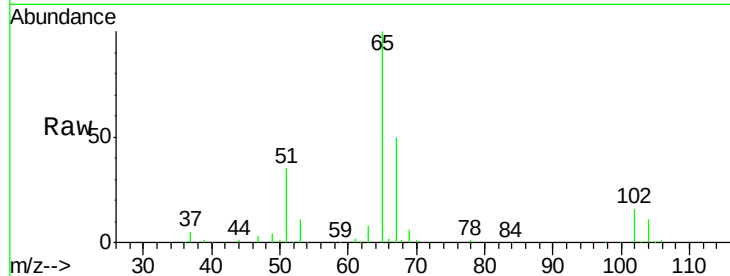




#33
 1,2-Dichloroethane-d4
 Concen: 54.131 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064528.D
 Acq: 10 Nov 2020 16:12

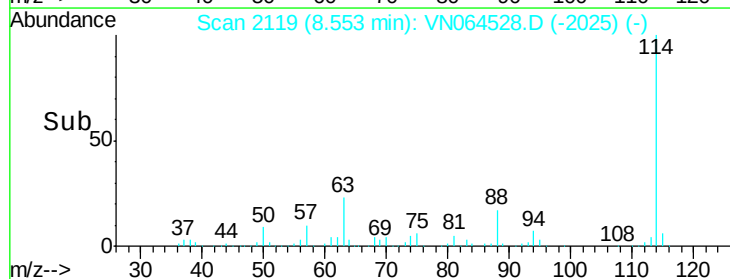
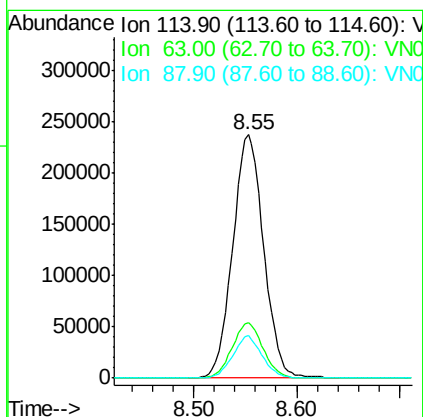
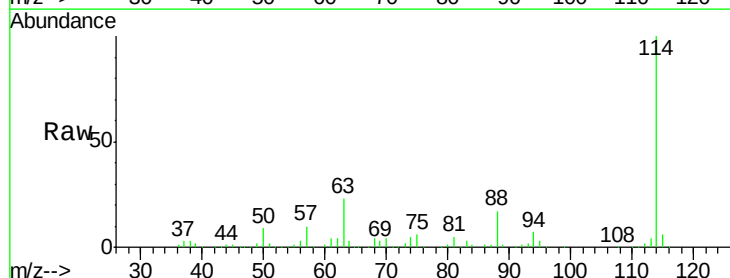
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-438-440

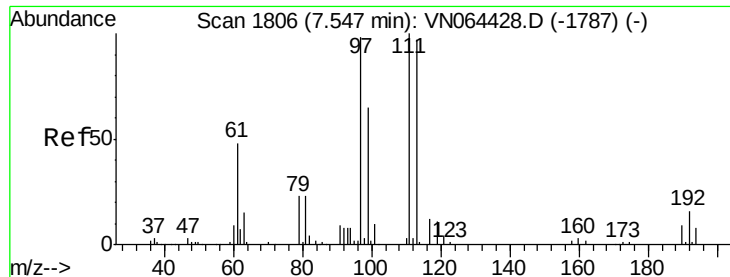
Tot Ion: 65 Resp: 236087
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064528.D
 Acq: 10 Nov 2020 16:12

Tgt Ion: 114 Resp: 496227
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.6
 88 17.4 0.0 32.8

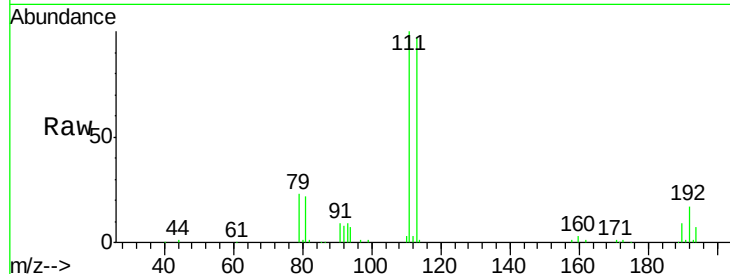




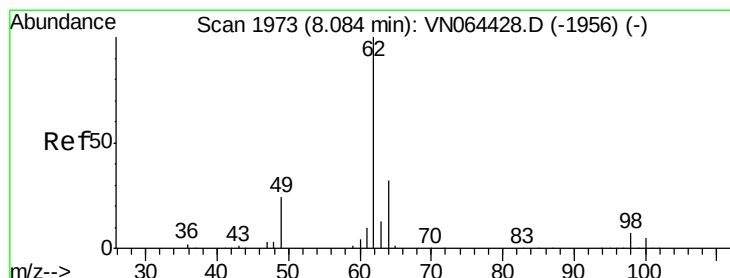
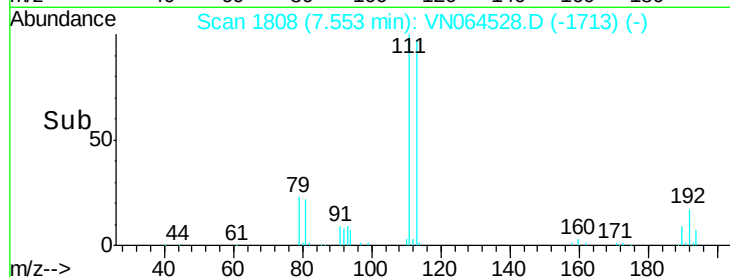
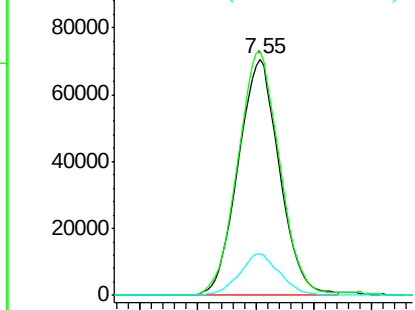
#35
 Dibromofluoromethane
 Concen: 51.650 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN064528.D
 Acq: 10 Nov 2020 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-438-440

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.1	121.7
192	17.0	12.8	19.2

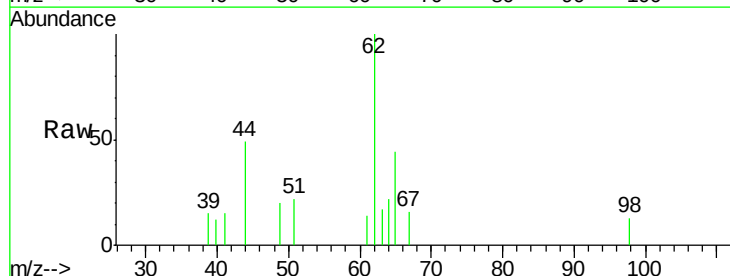


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

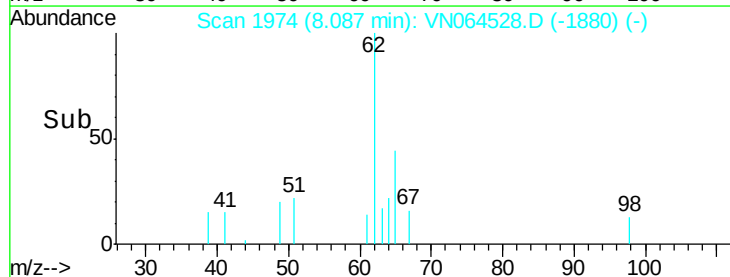
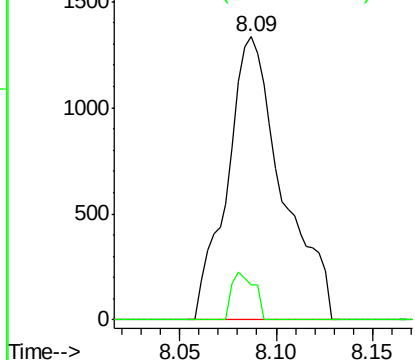


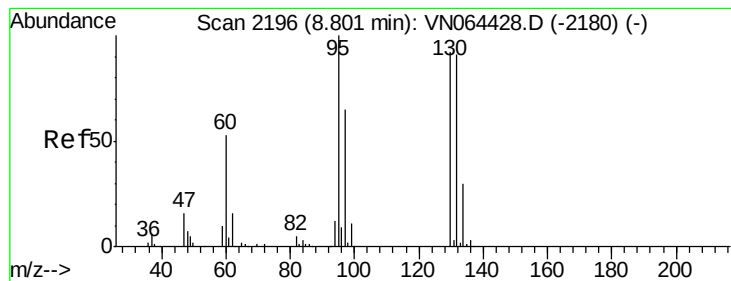
#42
 1,2-Dichloroethane
 Concen: 0.424 ug/l
 RT: 8.09 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VN064528.D
 Acq: 10 Nov 2020 16:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	14.0



Abundance Ion 61.90 (61.60 to 62.60): V
 Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 726.208 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

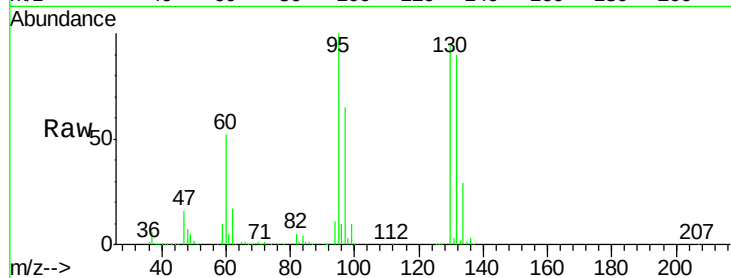
BP-VPB178-GW-438-440

Tot Ion:130 Resp: 2822444

Ion Ratio Lower Upper

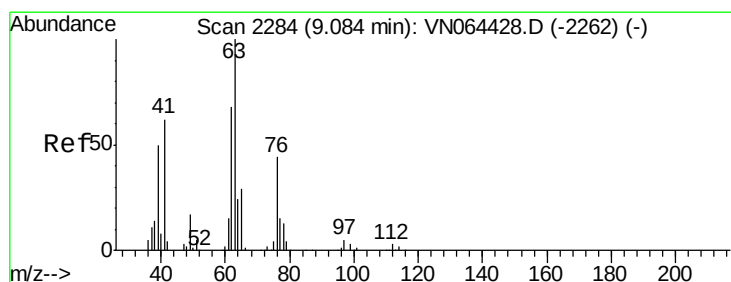
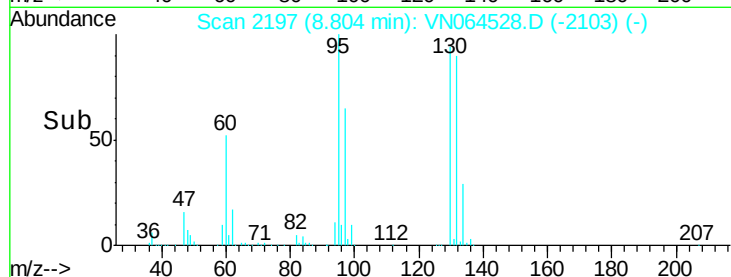
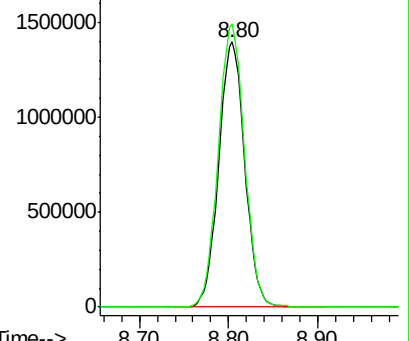
130 100

95 106.7 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 23.693 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN064528.D

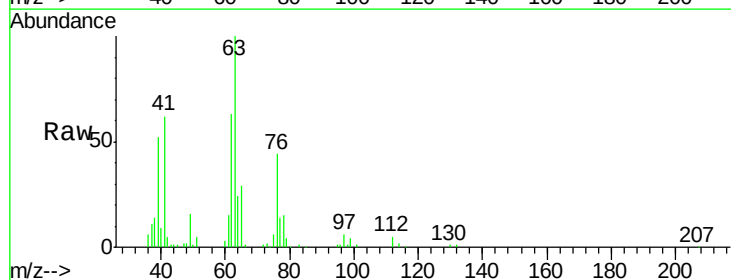
Acq: 10 Nov 2020 16:12

Tgt Ion: 63 Resp: 97383

Ion Ratio Lower Upper

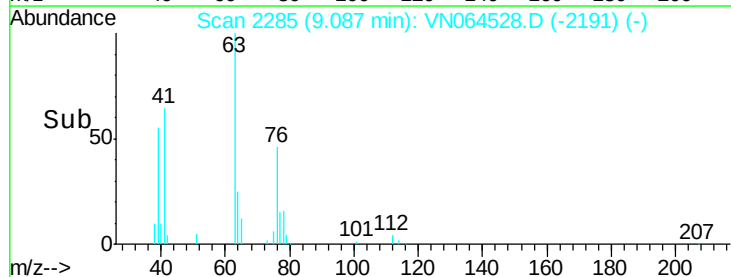
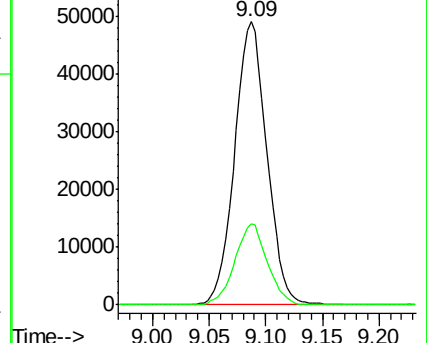
63 100

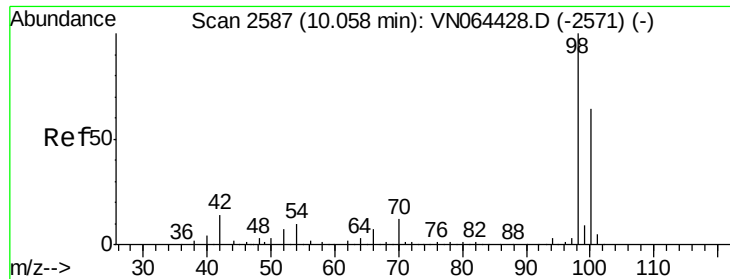
65 28.7 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#50

Toluene-d8

Concen: 49.841 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

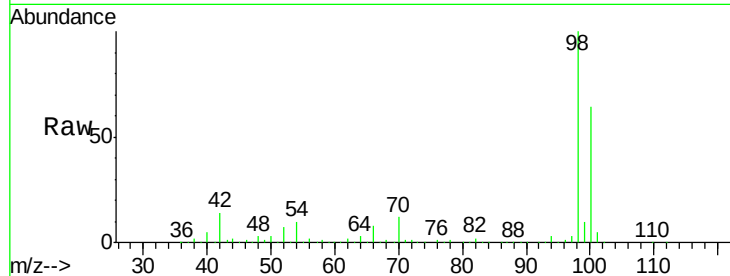
BP-VPB178-GW-438-440

Tot Ion: 98 Resp: 650849

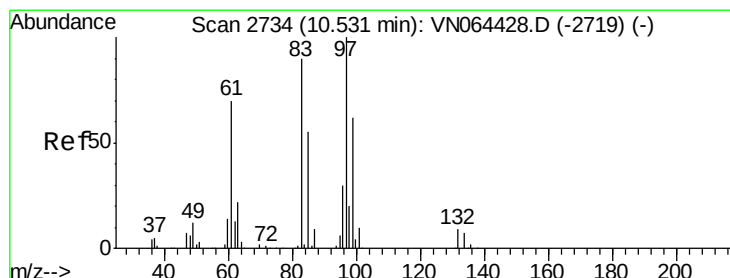
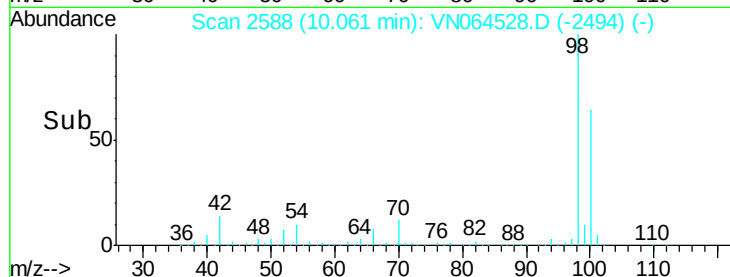
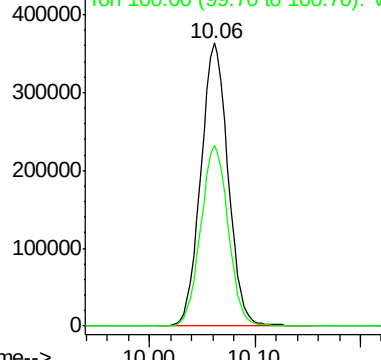
Ion Ratio Lower Upper

98 100

100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN064428.D (-2571) (-)



#55

1,1,2-Trichloroethane

Concen: 0.711 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Tgt Ion: 97 Resp: 2604

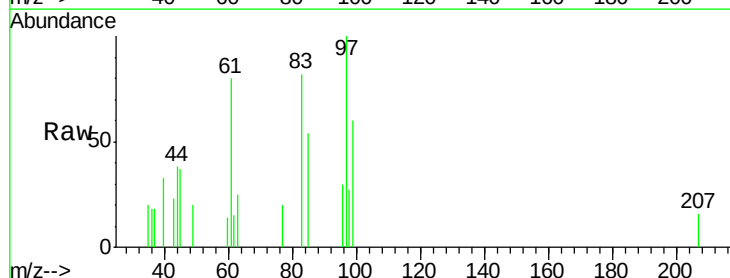
Ion Ratio Lower Upper

97 100

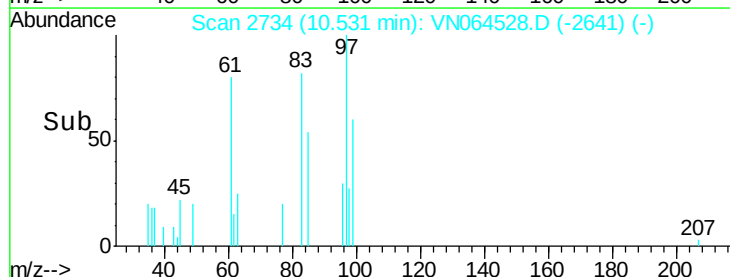
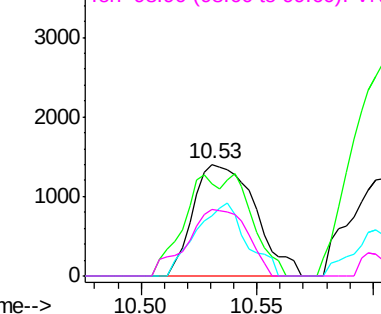
83 82.4 71.7 107.5

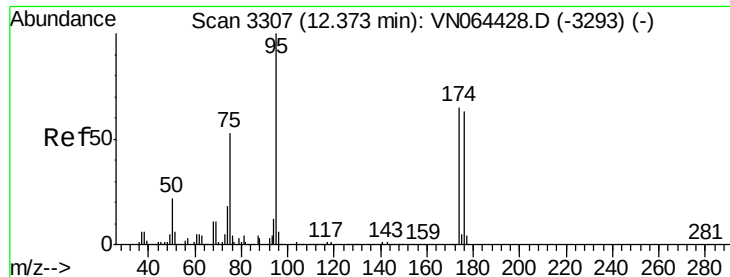
85 53.9 44.3 66.5

99 59.7 49.4 74.2



Abundance Ion 96.90 (96.60 to 97.60): VN064428.D (-2719) (-)





#62

4-Bromofluorobenzene

Concen: 49.173 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-438-440

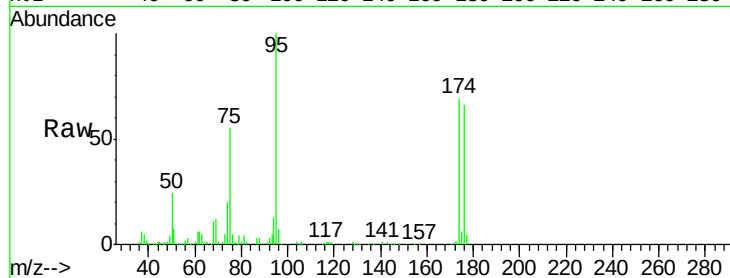
Tot Ion: 95 Resp: 242842

Ion Ratio Lower Upper

95 100

174 71.1 0.0 132.6

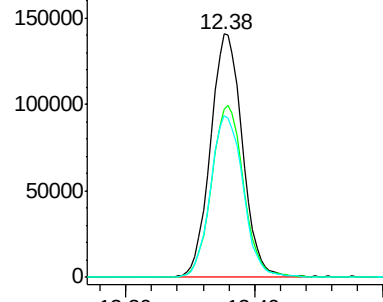
176 67.9 0.0 129.2



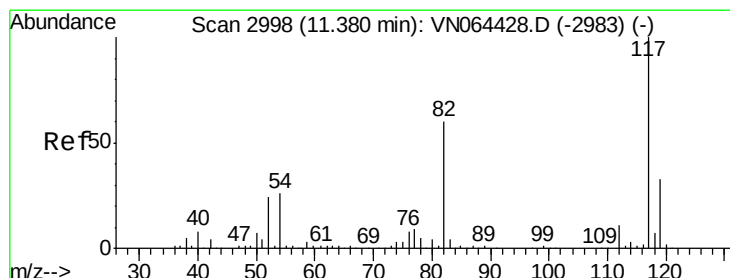
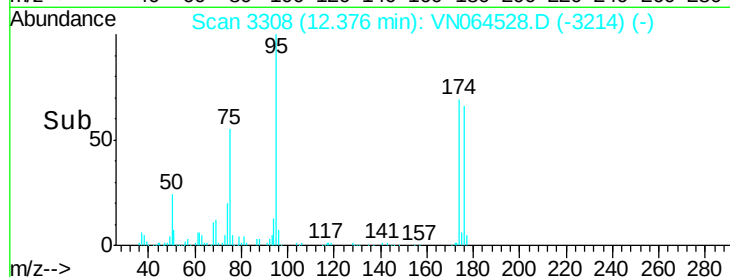
Abundance Ion 94.90 (94.60 to 95.60): VN064428.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN064428.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN064428.D (-3293) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2999

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

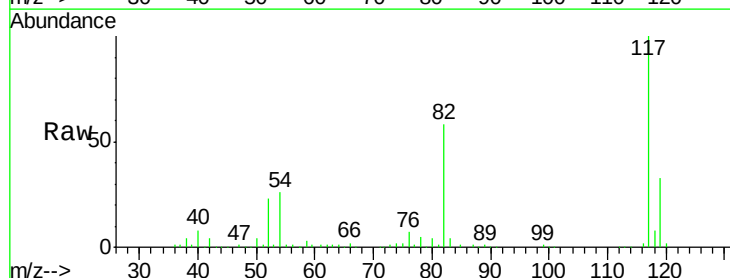
Tgt Ion: 117 Resp: 523045

Ion Ratio Lower Upper

117 100

82 58.0 48.1 72.1

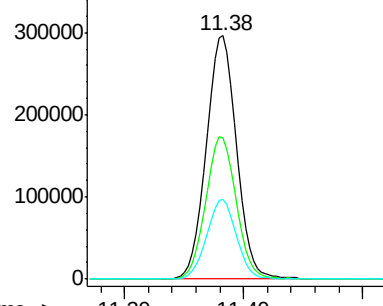
119 32.8 26.2 39.4



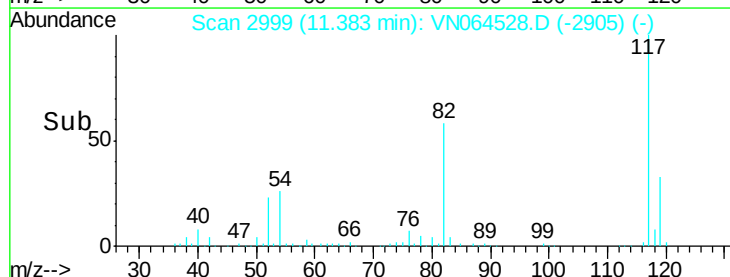
Abundance Ion 116.90 (116.60 to 117.60): VN064428.D (-2983) (-)

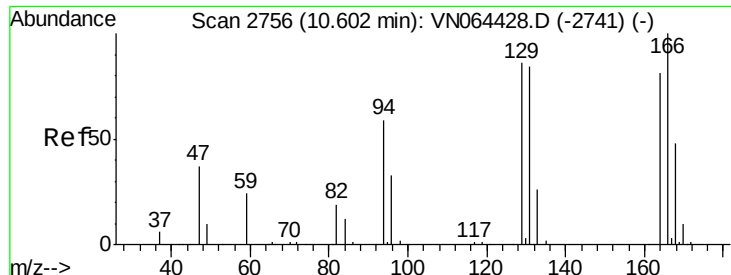
Ion 82.00 (81.70 to 82.70): VN064428.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN064428.D (-2983) (-)



Time-->





#64

Tetrachloroethene

Concen: 52.703 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB178-GW-438-440

Tot Ion:164 Resp: 212342

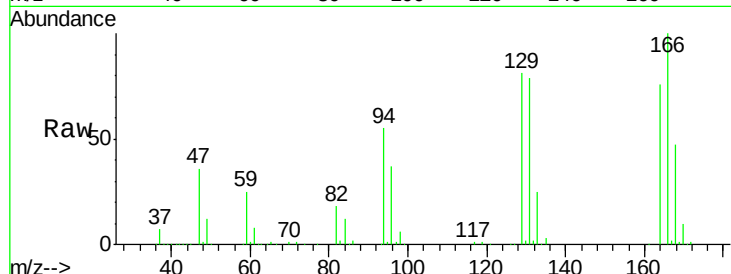
Ion Ratio Lower Upper

164 100

166 131.6 98.2 147.2

129 106.7 84.6 127.0

131 104.0 82.2 123.2

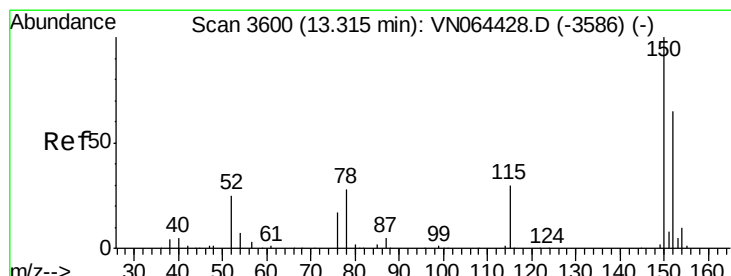
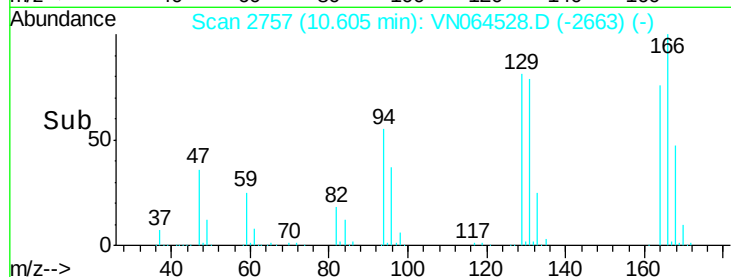
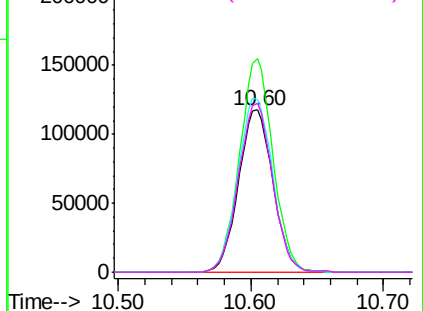


Abundance Ion 163.80 (163.50 to 164.50): V

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# 3601

Delta R.T. 0.00 min

Lab File: VN064528.D

Acq: 10 Nov 2020 16:12

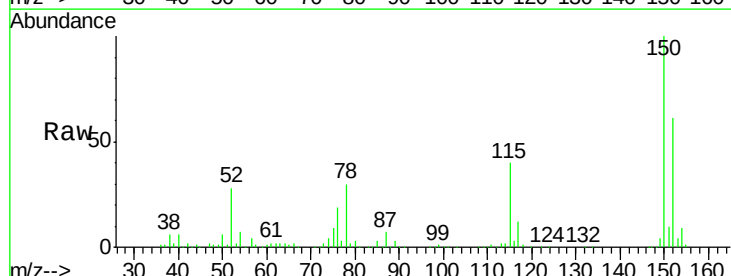
Tgt Ion:152 Resp: 188459

Ion Ratio Lower Upper

152 100

115 65.6 32.0 96.0

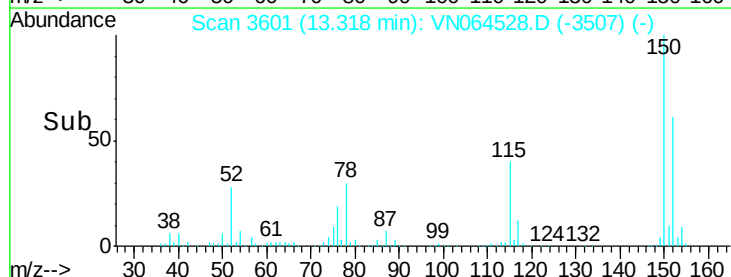
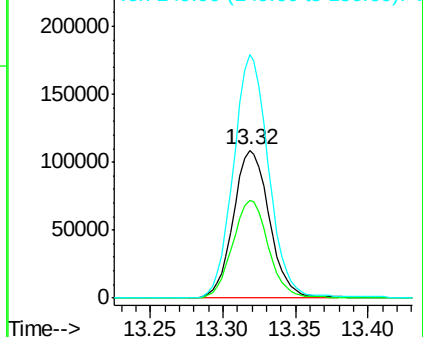
150 161.9 0.0 353.8

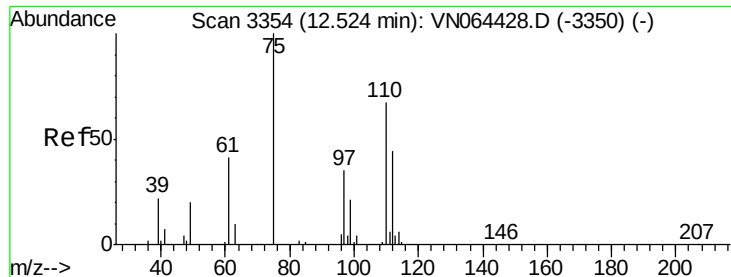


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76
 1,2,3-Trichloropropane
 Concen: 3.642 ug/l
 RT: 12.53 min Scan# 3356
 Delta R.T. 0.01 min
 Lab File: VN064528.D
 Acq: 10 Nov 2020 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB178-GW-438-440

Tot Ion: 75 Resp: 16629
 Ion Ratio Lower Upper
 75 100
 77 34.4 0.0 0.0#

