

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042820\
 Data File : VN061166.D
 Acq On : 28 Apr 2020 16:04
 Operator : JC/MD
 Sample : L2412-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-588-590

Quant Time: Apr 29 08:34:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	100126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	179764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	174096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78524	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	80984	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
35) Dibromofluoromethane	7.55	113	54473	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.06	98	224215	51.74	ug/l	0.00
Spiked Amount			Recovery	=	103.48%	
62) 4-Bromofluorobenzene	12.38	95	84898	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	

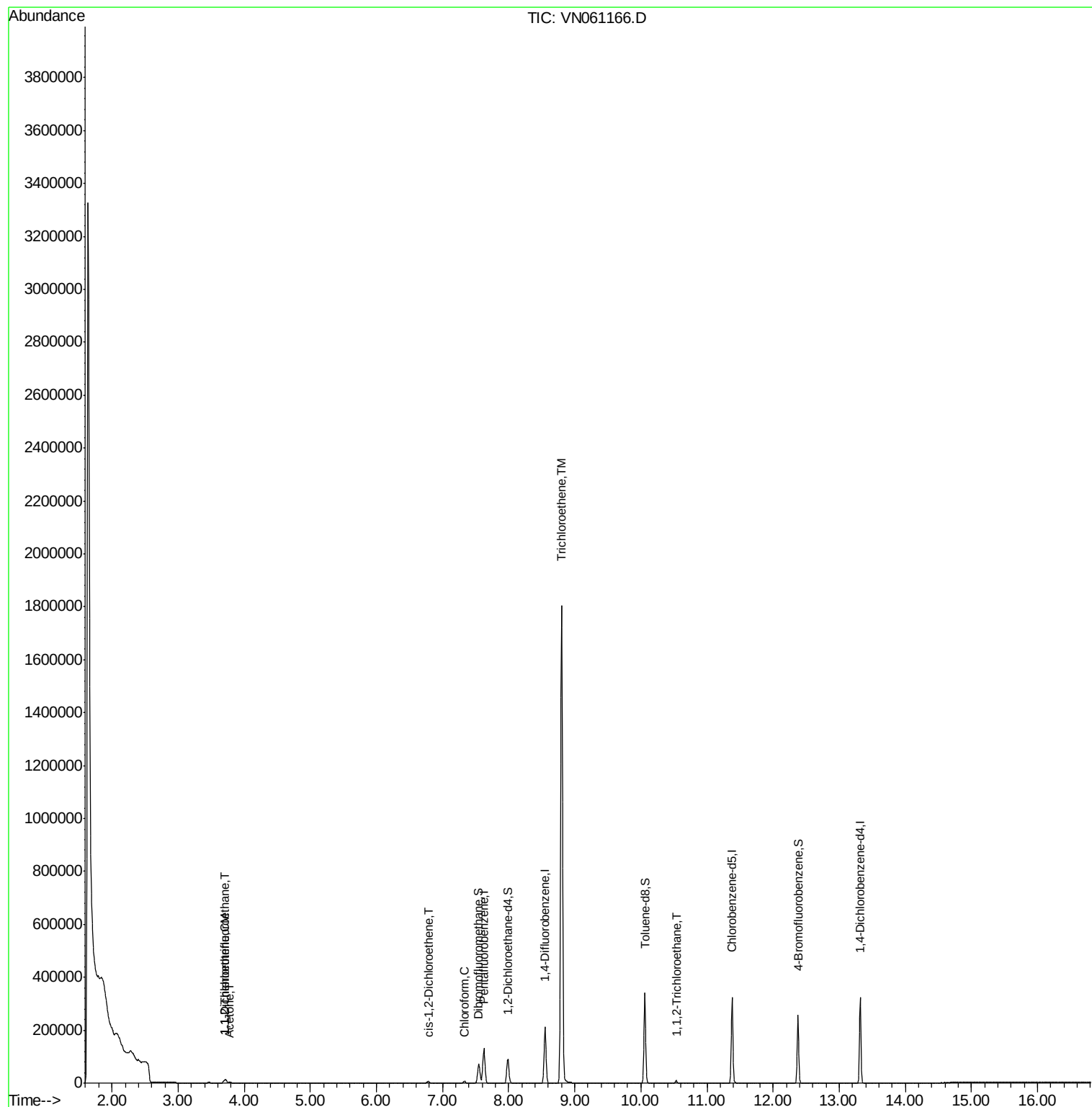
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	6426	6.053	ug/l	98
12) 1,1-Dichloroethene	3.70	96	2932	2.775	ug/l	97
16) Acetone	3.78	43	6136	4.591	ug/l	94
27) cis-1,2-Dichloroethene	6.79	96	3977	2.946	ug/l	87
30) Chloroform	7.33	83	6528	2.714	ug/l	96
44) Trichloroethene	8.80	130	613190	423.096	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	2764	2.146	ug/l	97

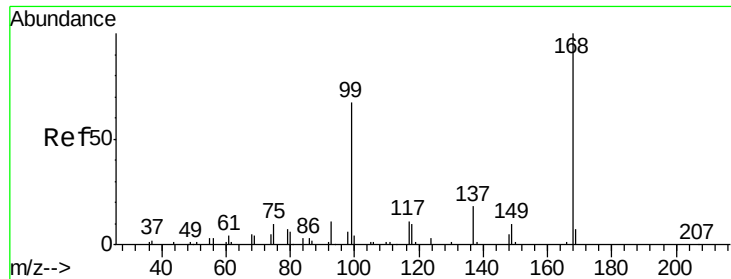
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

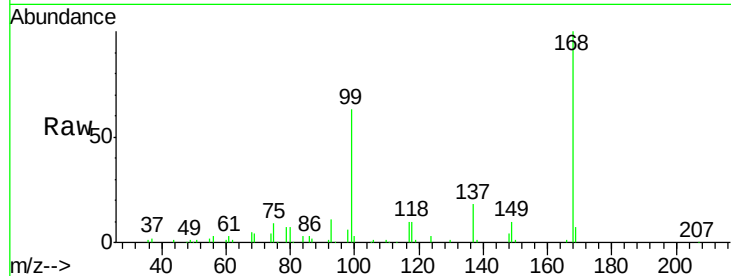
BP-VPB180-GW-588-590

Tot Ion:168 Resp: 100126

Ion Ratio Lower Upper

168 100

99 62.8 51.2 76.8

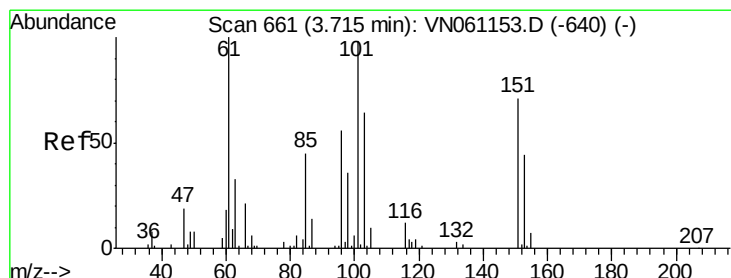
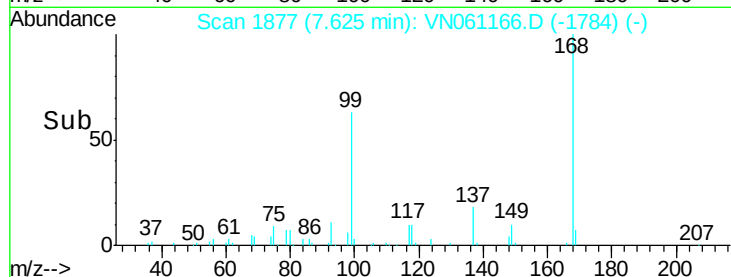


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.053 ug/l

RT: 3.72 min Scan# 662

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

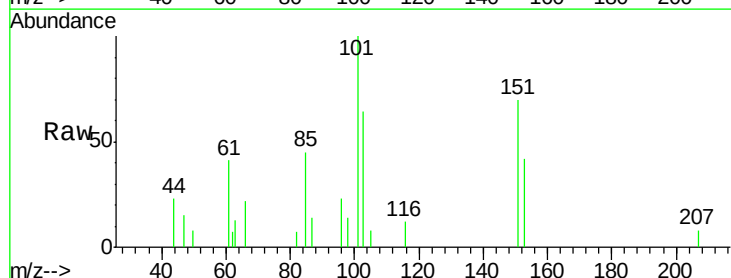
Tgt Ion:101 Resp: 6426

Ion Ratio Lower Upper

101 100

85 46.1 37.2 55.8

151 74.4 57.7 86.5



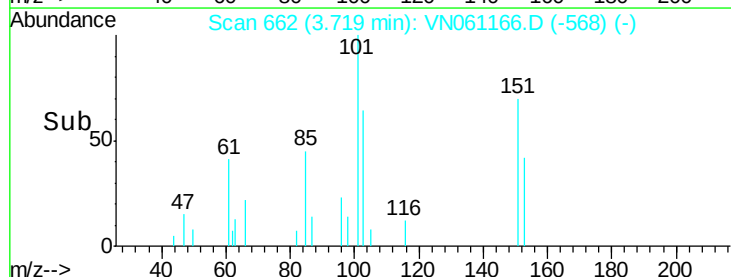
Abundance Ion 100.90 (100.60 to 101.60): V

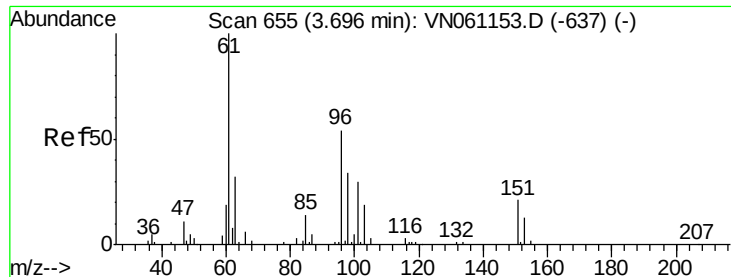
Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.72

Time-->





#12

1,1-Dichloroethene

Concen: 2.775 ug/l

RT: 3.70 min Scan# 656

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-588-590

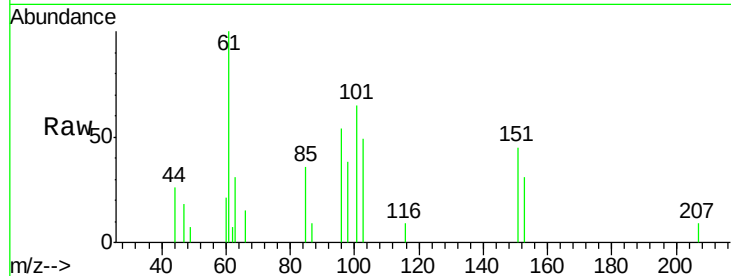
Tot Ion: 96 Resp: 2932

Ion Ratio Lower Upper

96 100

61 184.4 147.0 220.6

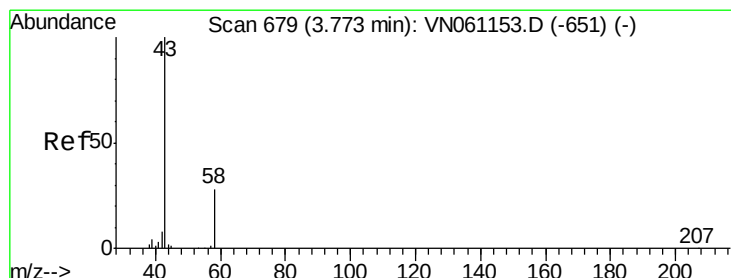
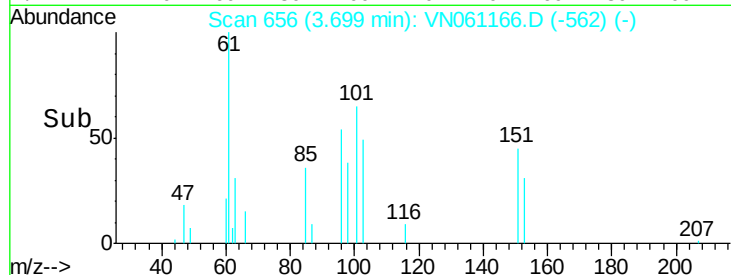
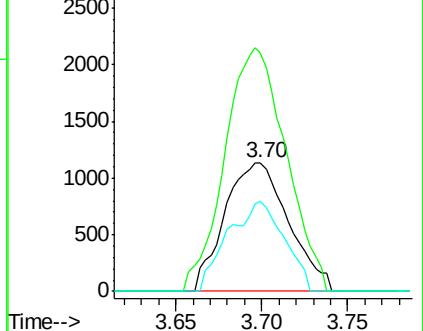
98 70.1 49.8 74.6



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-637) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-637) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-637) (-)



#16

Acetone

Concen: 4.591 ug/l

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061166.D

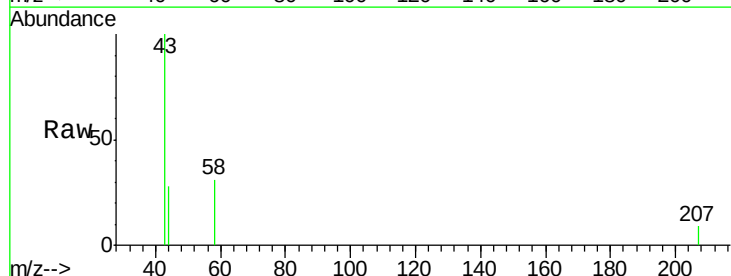
Acq: 28 Apr 2020 16:04

Tgt Ion: 43 Resp: 6136

Ion Ratio Lower Upper

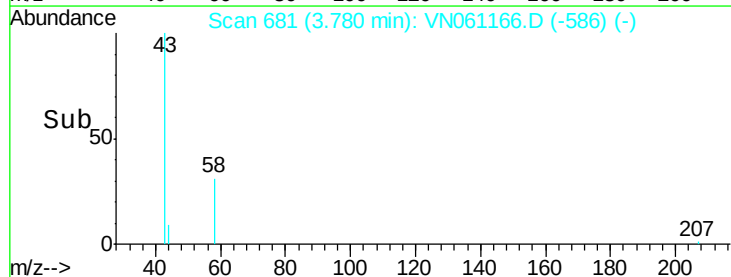
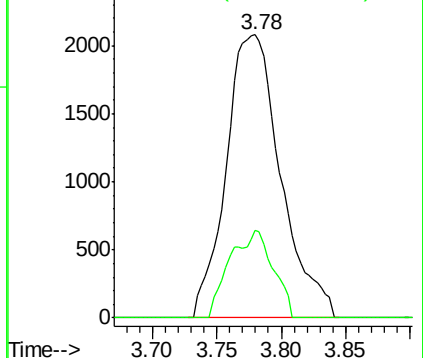
43 100

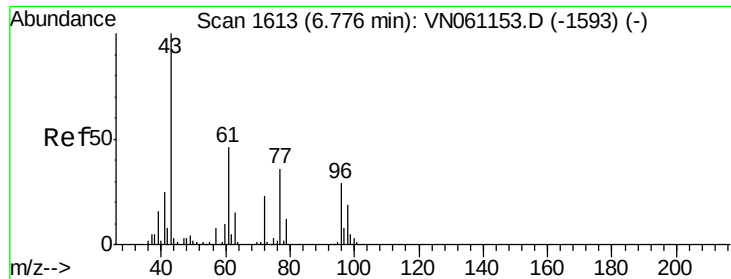
58 31.0 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-651) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-651) (-)





#27

cis-1,2-Dichloroethene

Concen: 2.946 ug/l

RT: 6.79 min Scan# 1616

Delta R.T. 0.01 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-588-590

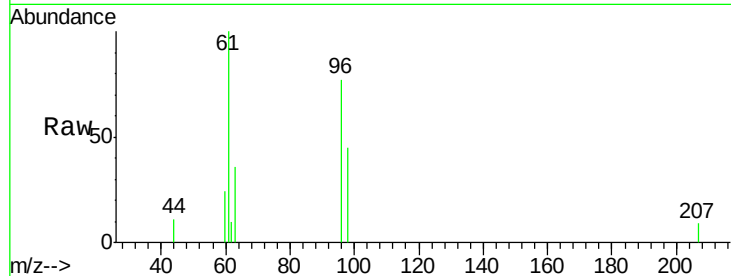
Tot Ion: 96 Resp: 3977

Ion Ratio Lower Upper

96 100

61 139.9 0.0 322.0

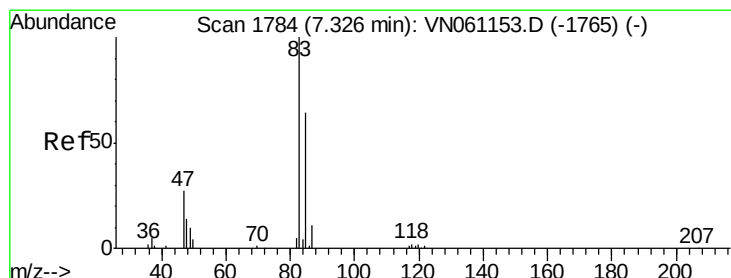
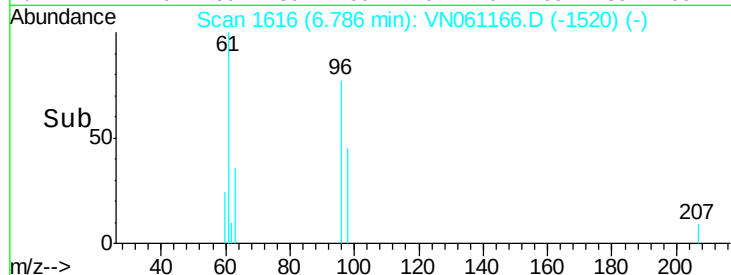
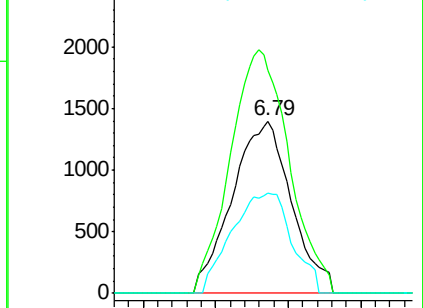
98 59.0 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN061153.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN061153.D (-1593) (-)

Ion 97.90 (97.60 to 98.60): VN061153.D (-1593) (-)



#30

Chloroform

Concen: 2.714 ug/l

RT: 7.33 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VN061166.D

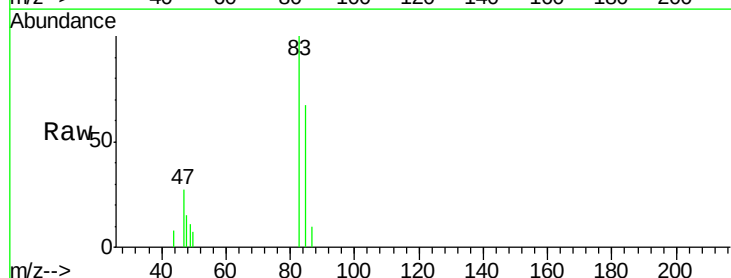
Acq: 28 Apr 2020 16:04

Tgt Ion: 83 Resp: 6528

Ion Ratio Lower Upper

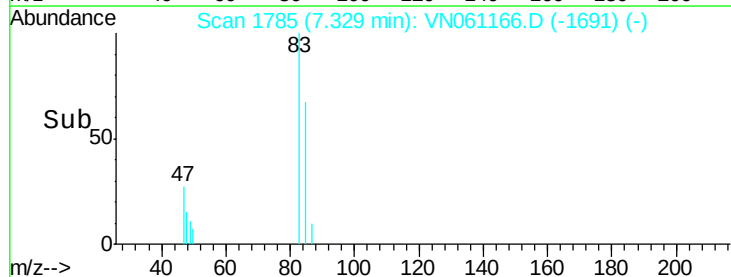
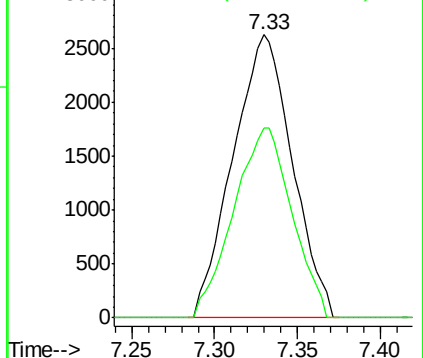
83 100

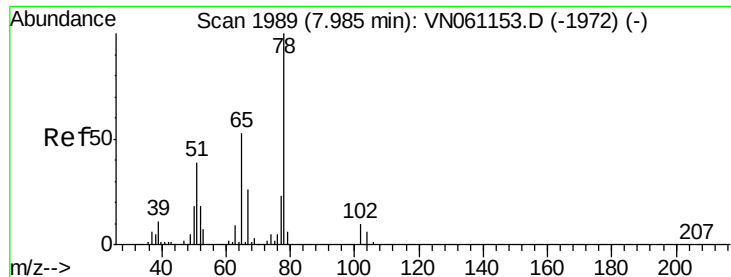
85 66.9 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN061153.D (-1765) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-1765) (-)

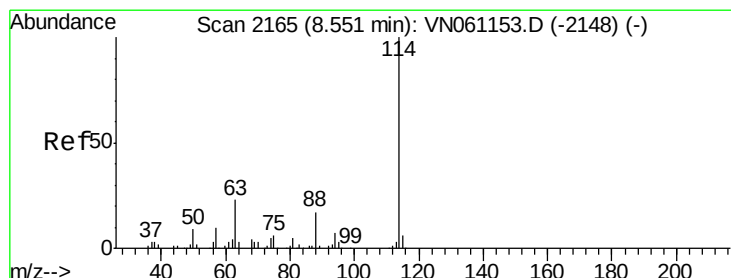
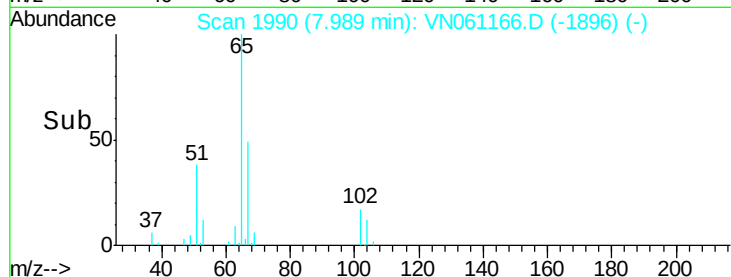
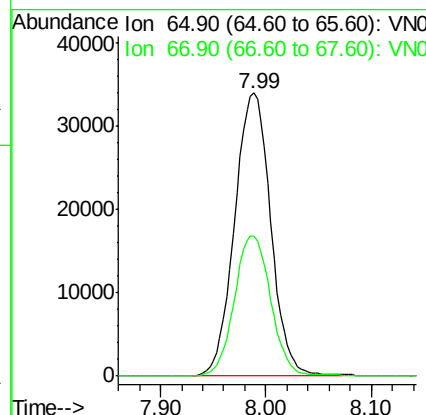
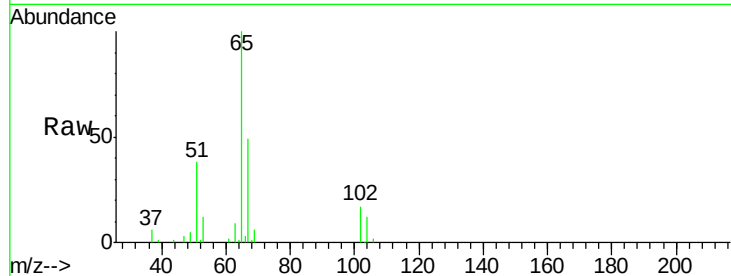




#33
 1,2-Dichloroethane-d4
 Concen: 51.116 ug/l
 RT: 7.99 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VN061166.D
 Acq: 28 Apr 2020 16:04

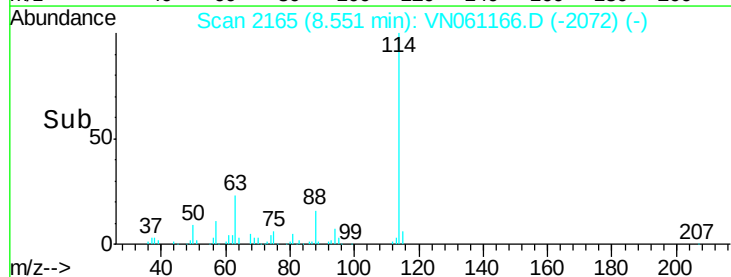
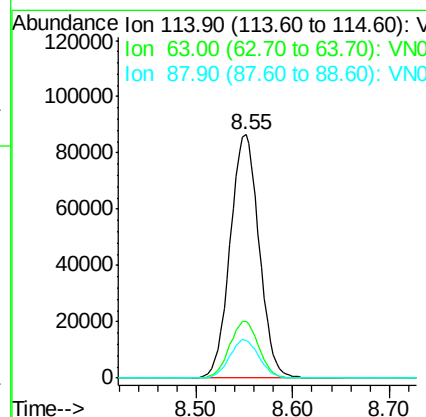
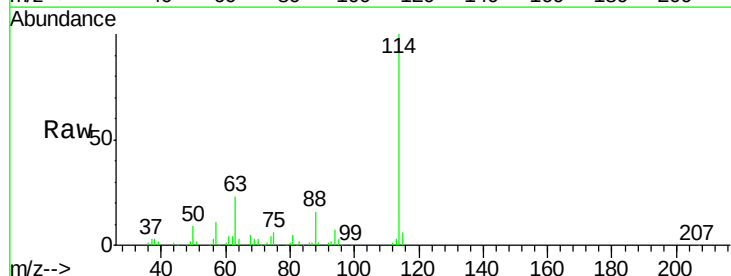
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-588-590

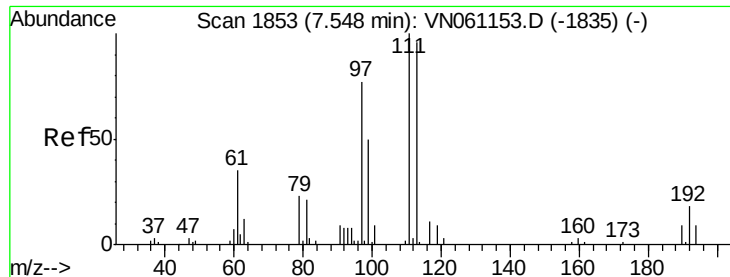
Tot Ion: 65 Resp: 80984
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061166.D
 Acq: 28 Apr 2020 16:04

Tgt Ion: 114 Resp: 179764
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.6
 88 15.6 0.0 33.4

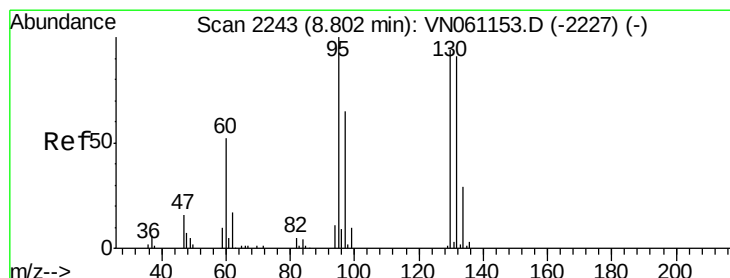
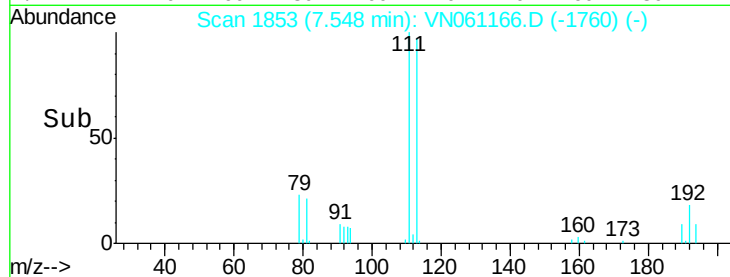
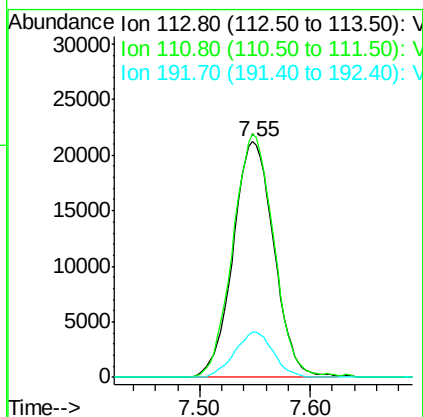
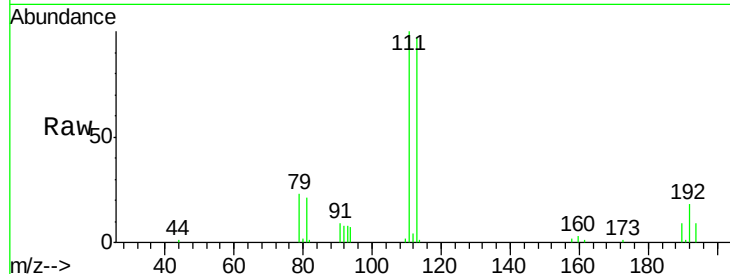




#35
 Dibromofluoromethane
 Concen: 51.245 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061166.D
 Acq: 28 Apr 2020 16:04

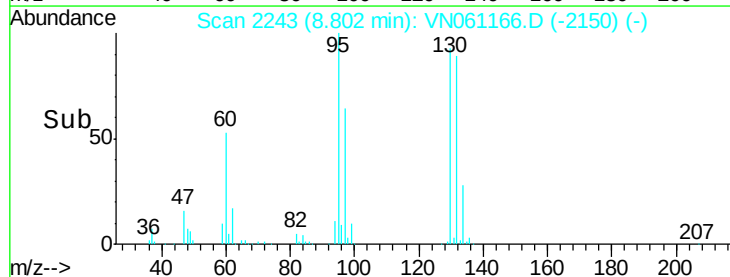
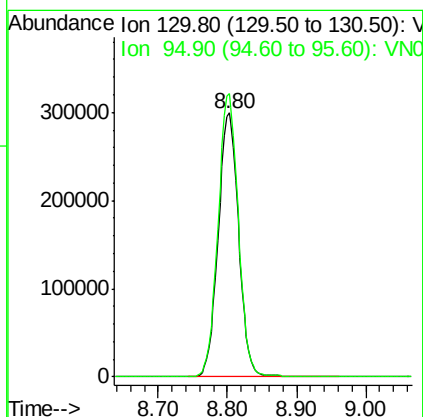
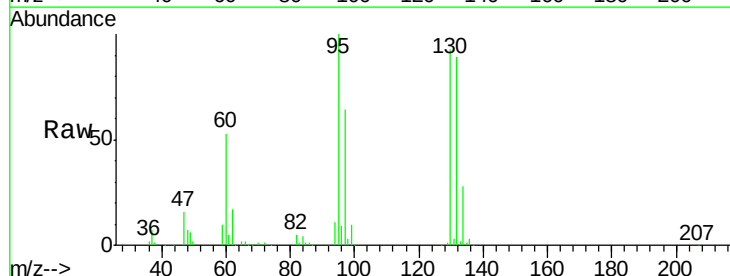
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB180-GW-588-590

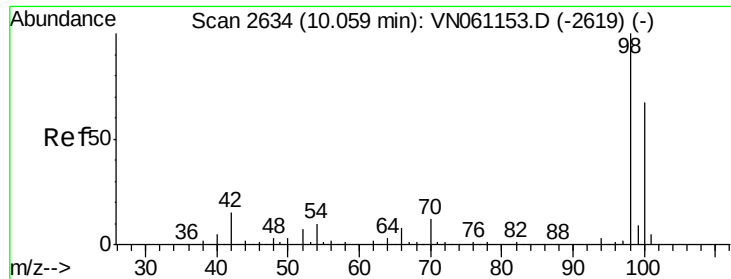
Tot Ion:113 Resp: 54473
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 18.2 14.7 22.1



#44
 Trichloroethene
 Concen: 423.096 ug/l
 RT: 8.80 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VN061166.D
 Acq: 28 Apr 2020 16:04

Tgt Ion:130 Resp: 613190
 Ion Ratio Lower Upper
 130 100
 95 107.2 0.0 212.4





#50

Toluene-d8

Concen: 51.742 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

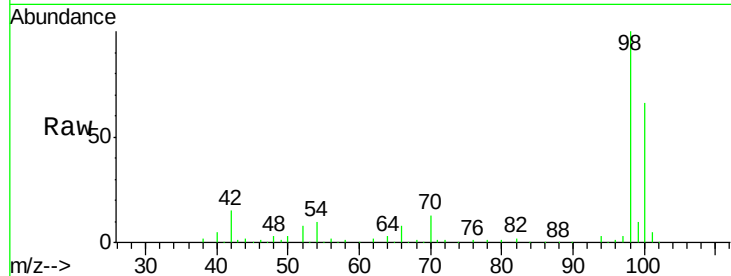
BP-VPB180-GW-588-590

Tot Ion: 98 Resp: 224215

Ion Ratio Lower Upper

98 100

100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

Ion 100.00 (99.70 to 100.70): VN061153.D (-2619) (-)

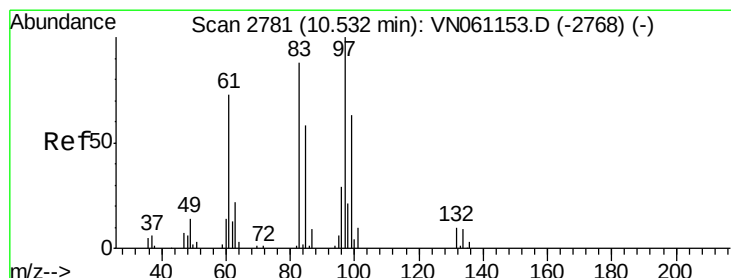
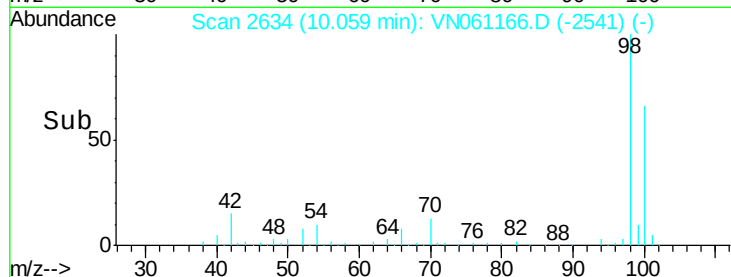
10.06

100000

50000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 2.146 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Tgt Ion: 97 Resp: 2764

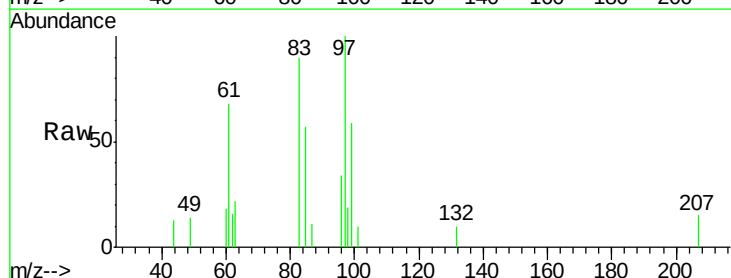
Ion Ratio Lower Upper

97 100

83 89.6 70.6 106.0

85 56.9 46.4 69.6

99 59.3 50.6 75.8



Abundance Ion 96.90 (96.60 to 97.60): VN061153.D (-2768) (-)

Ion 82.90 (82.60 to 83.60): VN061153.D (-2768) (-)

Ion 84.90 (84.60 to 85.60): VN061153.D (-2768) (-)

Ion 98.90 (98.60 to 99.60): VN061153.D (-2768) (-)

2500

2000

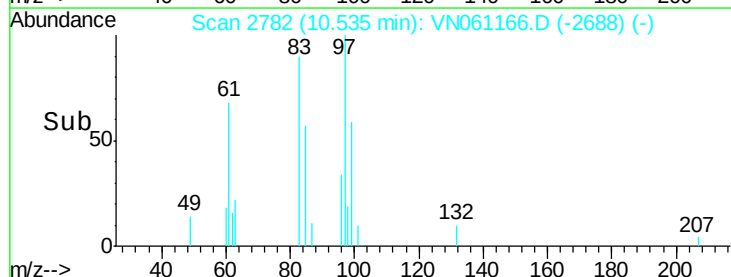
1500

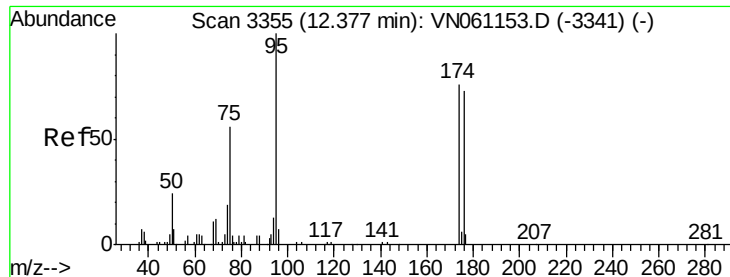
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.063 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

Instrument :

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BP-VPB180-GW-588-590

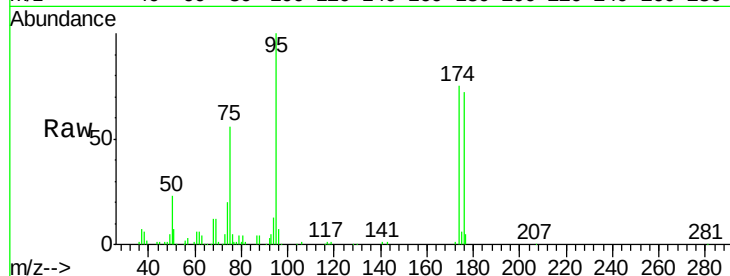
Tot Ion: 95 Resp: 84898

Ion Ratio Lower Upper

95 100

174 72.9 0.0 149.4

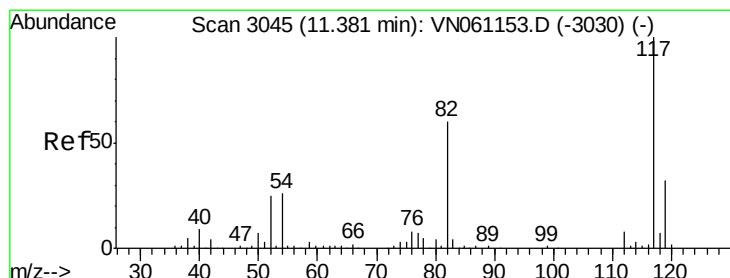
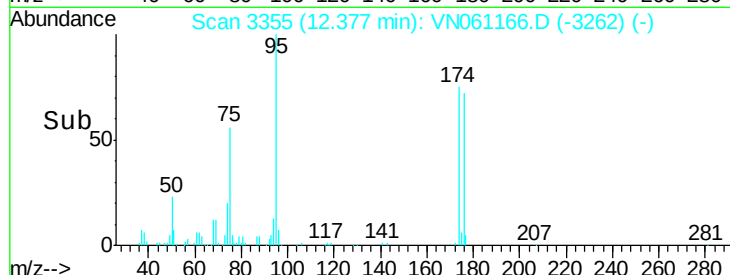
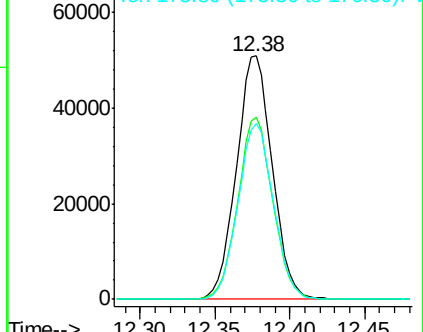
176 71.6 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061166.D (-3262) (-)

Ion 173.80 (173.50 to 174.50): VN061166.D (-3262) (-)

Ion 175.80 (175.50 to 176.50): VN061166.D (-3262) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061166.D

Acq: 28 Apr 2020 16:04

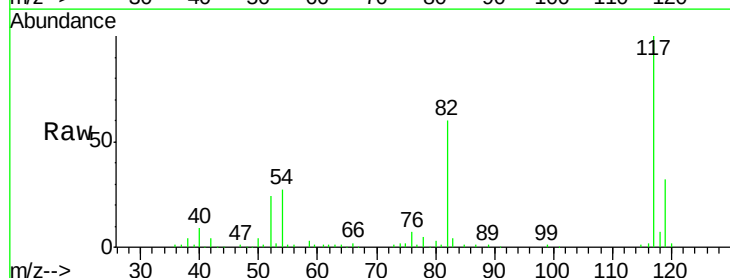
Tgt Ion: 117 Resp: 174096

Ion Ratio Lower Upper

117 100

82 60.2 47.8 71.8

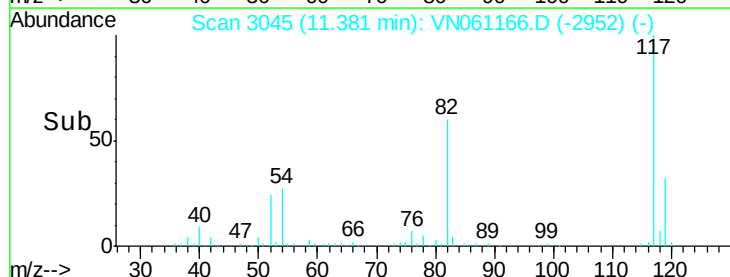
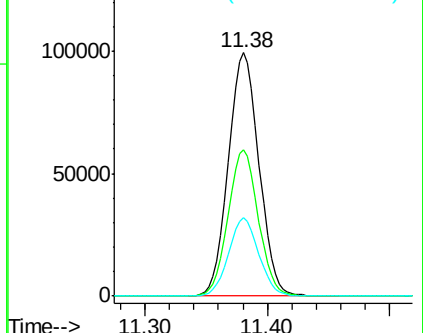
119 32.1 25.8 38.6

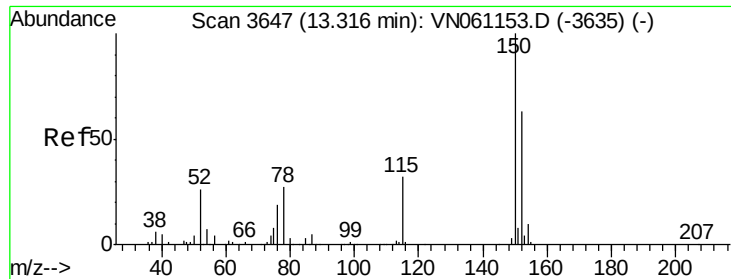


Abundance Ion 116.90 (116.60 to 117.60): VN061166.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061166.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061166.D (-2952) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061166.D

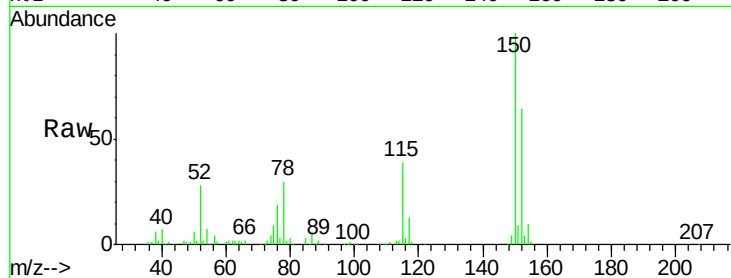
Acq: 28 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB180-GW-588-590



Tot Ion:152 Resp: 78524

Ion Ratio Lower Upper

152 100

115 61.7 31.0 93.0

150 158.3 0.0 351.8

