

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061318.D
 Acq On : 6 May 2020 18:32
 Operator : JC/MD
 Sample : L2513-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BU-03-050520

Quant Time: May 07 09:16:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

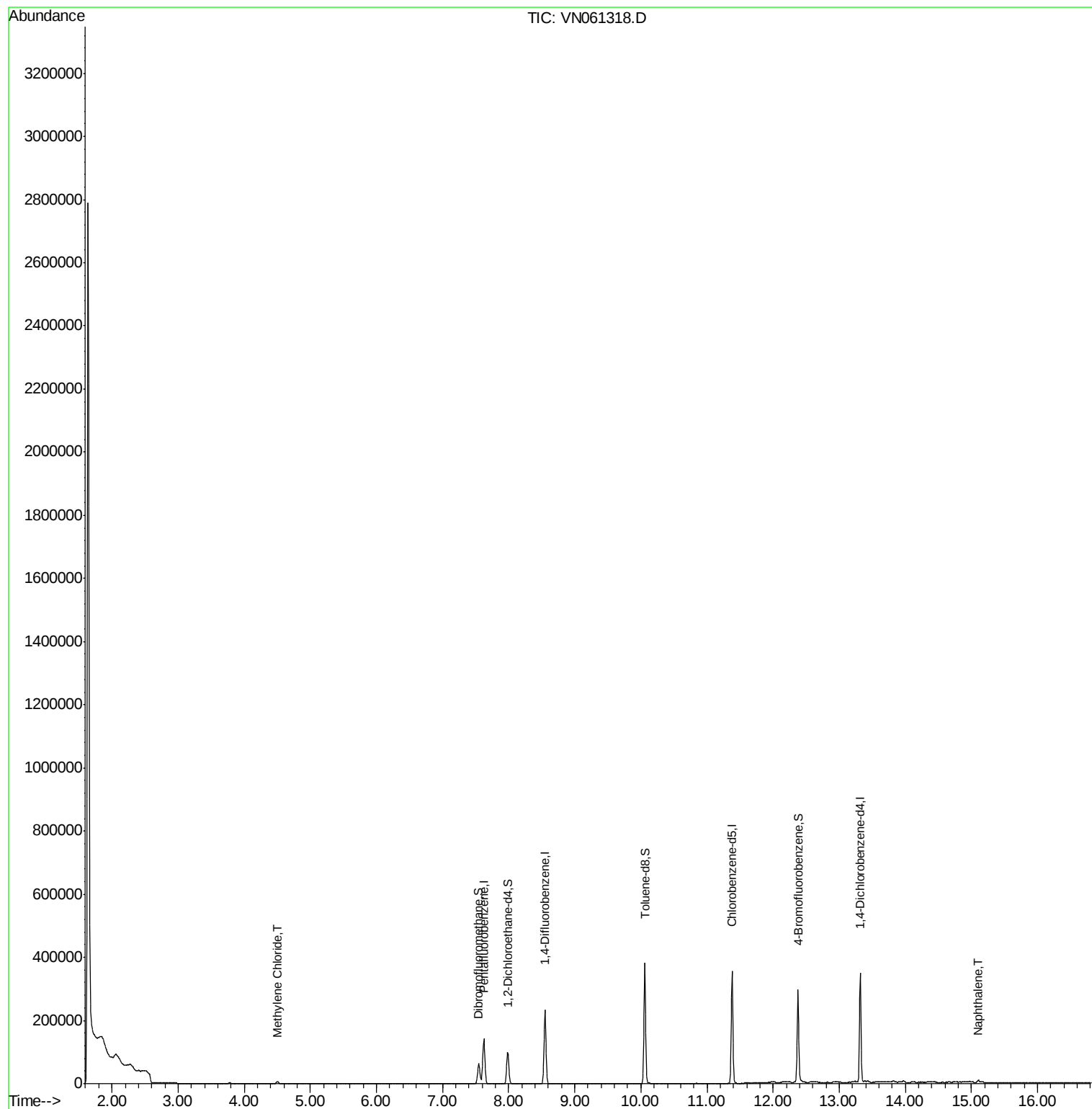
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	105535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	194229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	188838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	85952	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	88610	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
35) Dibromofluoromethane	7.55	113	47367	41.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.48%	
50) Toluene-d8	10.06	98	244974	52.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.38	95	96220	54.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.22%	
Target Compounds						
20) Methylene Chloride	4.50	84	4190	3.218	ug/l	93
95) Naphthalene	15.11	128	6624	1.297	ug/l #	93

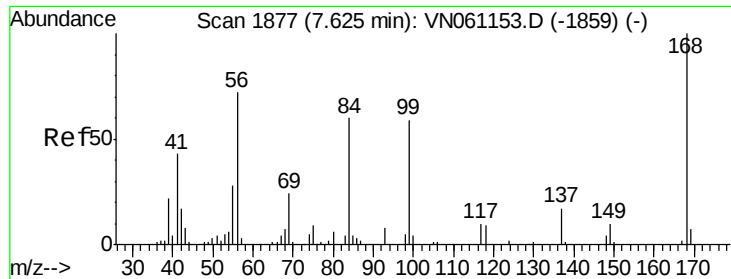
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

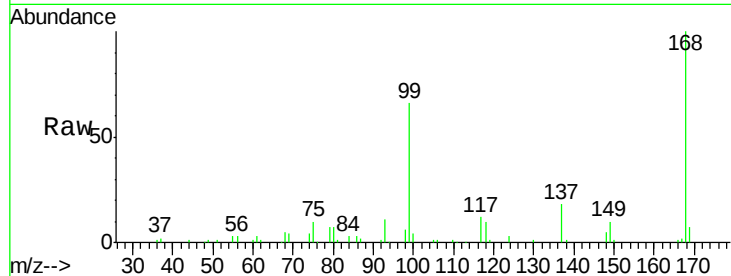
BU-03-050520

Tot Ion:168 Resp: 105535

Ion Ratio Lower Upper

168 100

99 65.6 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

50000

40000

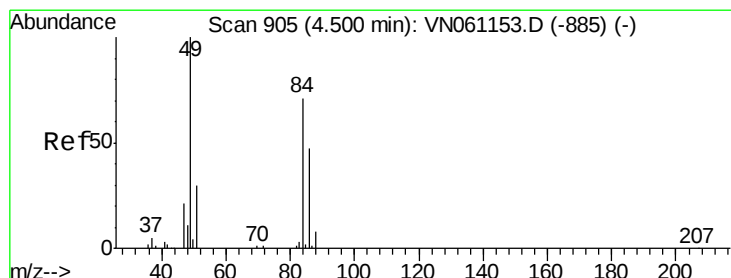
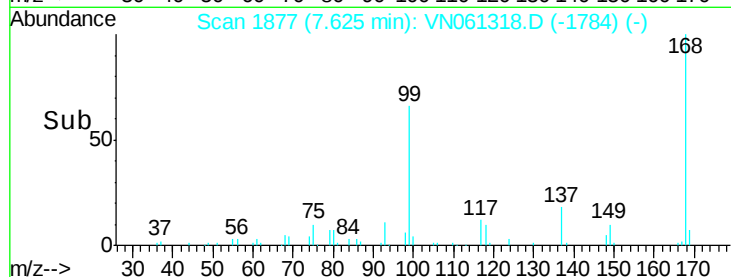
30000

20000

10000

0

Time--> 7.50 7.60 7.70



#20

Methylene Chloride

Concen: 3.218 ug/l

RT: 4.50 min Scan# 906

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Tgt Ion: 84 Resp: 4190

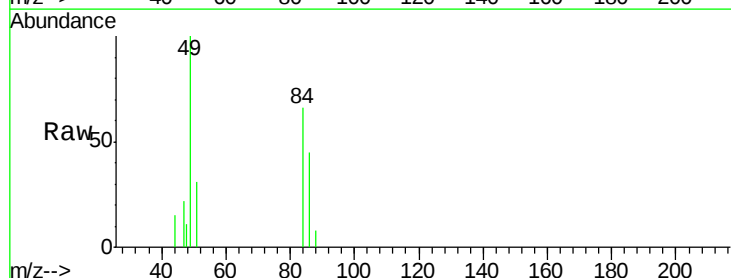
Ion Ratio Lower Upper

84 100

49 151.2 112.0 168.0

51 46.3 33.6 50.4

86 67.9 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

4.50

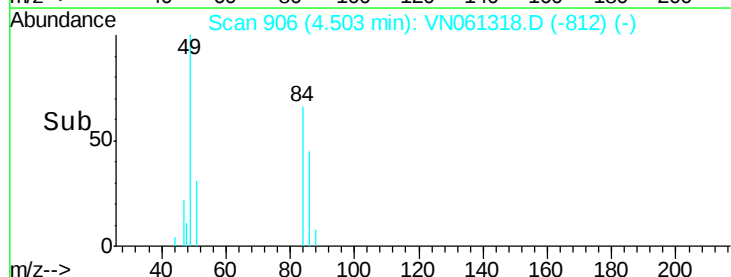
3000

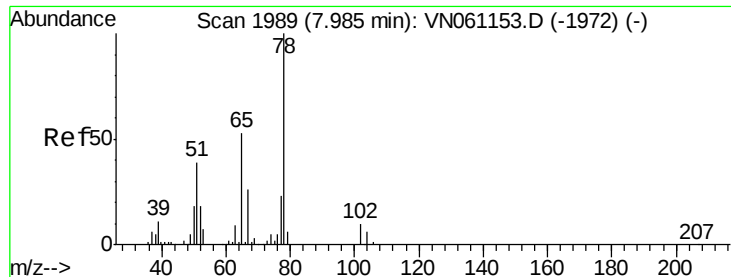
2000

1000

0

Time--> 4.45 4.50 4.55

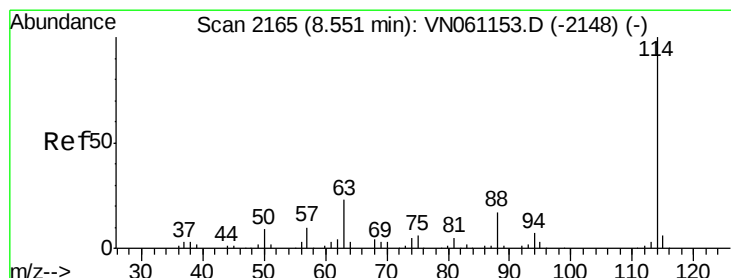
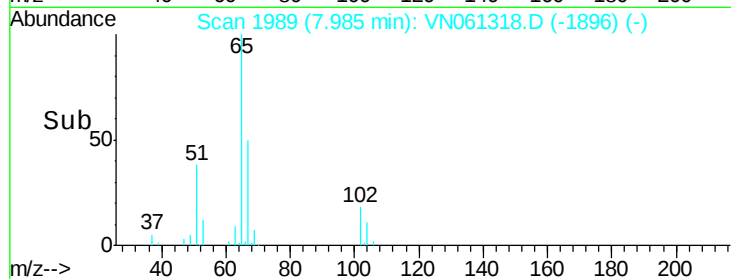
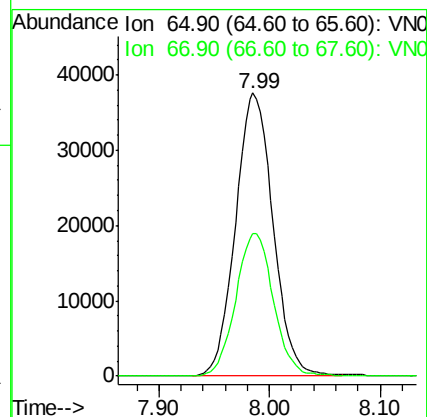
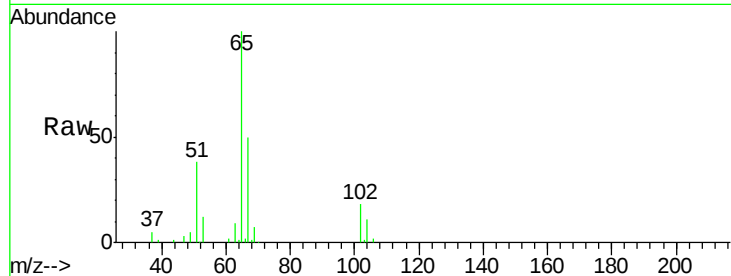




#33
 1,2-Dichloroethane-d4
 Concen: 53.063 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061318.D
 Acq: 6 May 2020 18:32

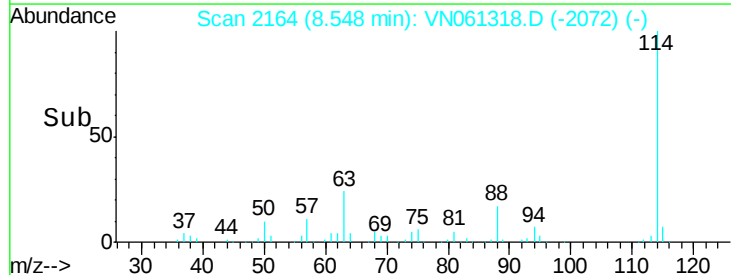
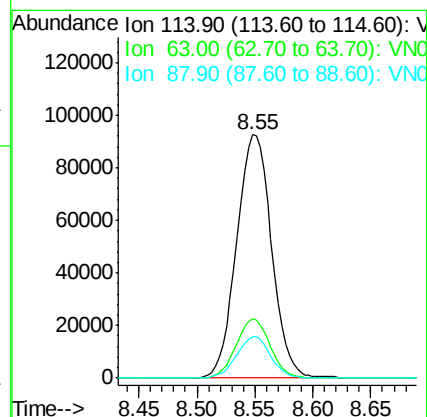
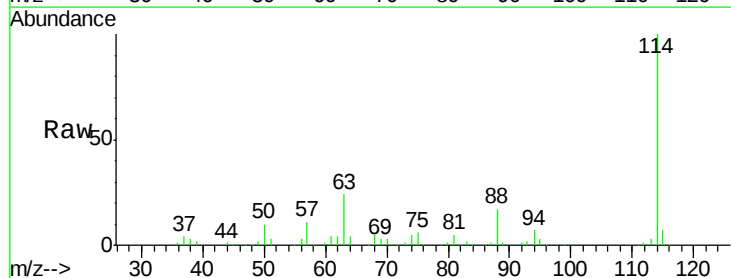
Instrument :
 MSVOA_N
 ClientSampleId :
 BU-03-050520

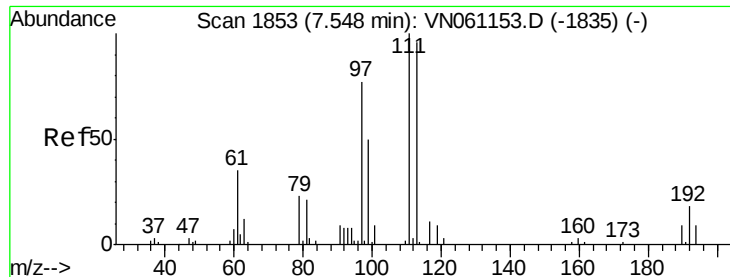
Tot Ion: 65 Resp: 88610
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061318.D
 Acq: 6 May 2020 18:32

Tgt Ion: 114 Resp: 194229
 Ion Ratio Lower Upper
 114 100
 63 24.2 0.0 46.6
 88 16.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 41.242 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

BU-03-050520

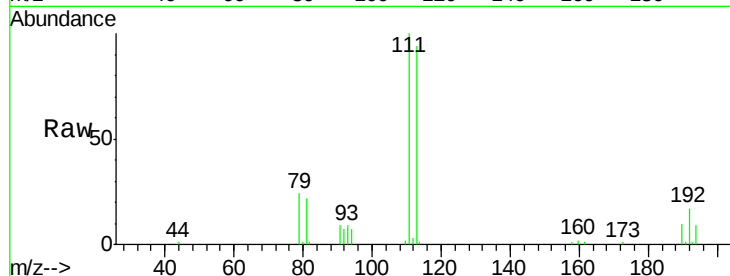
Tot Ion:113 Resp: 47367

Ion Ratio Lower Upper

113 100

111 103.9 82.9 124.3

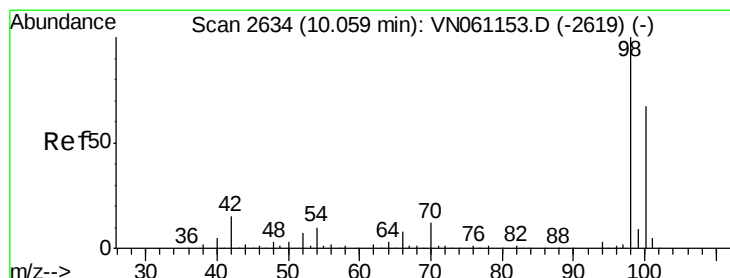
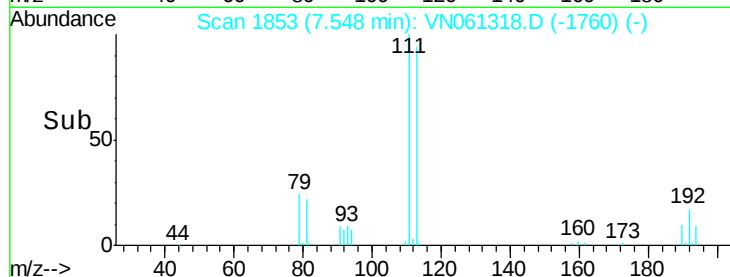
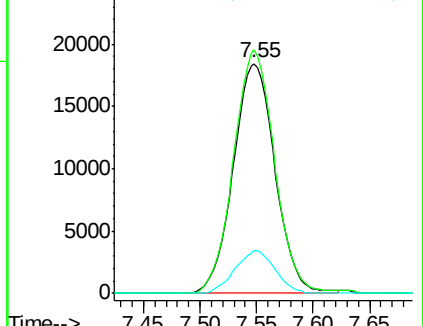
192 17.7 14.7 22.1



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



#50

Toluene-d8

Concen: 52.323 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061318.D

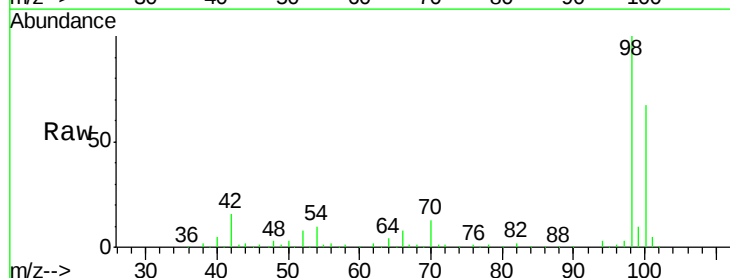
Acq: 6 May 2020 18:32

Tgt Ion: 98 Resp: 244974

Ion Ratio Lower Upper

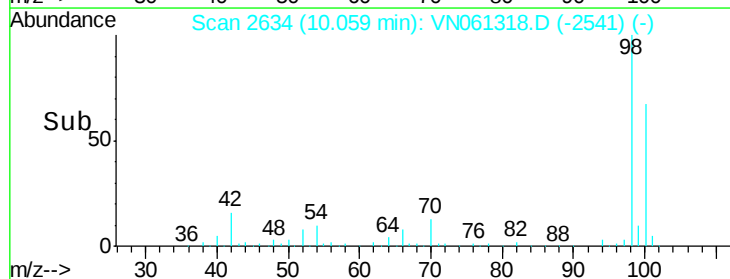
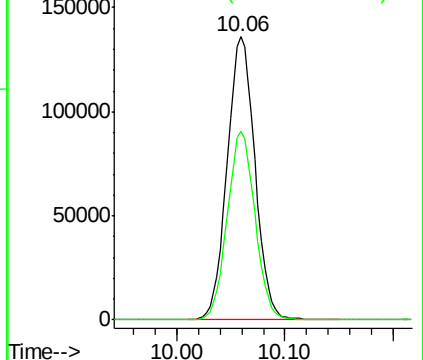
98 100

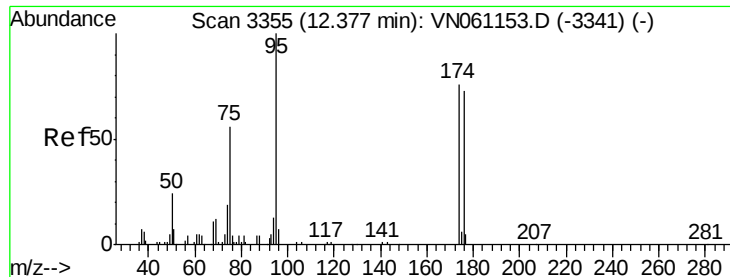
100 66.3 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.611 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampleId :

BU-03-050520

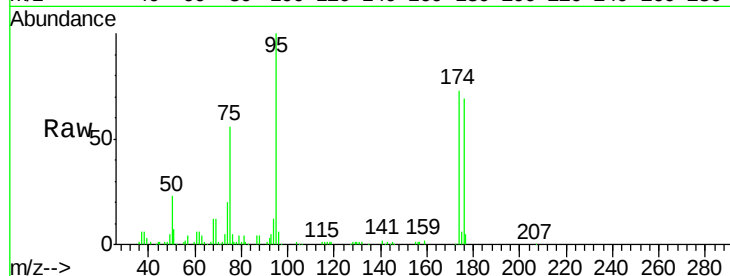
Tot Ion: 95 Resp: 96220

Ion Ratio Lower Upper

95 100

174 75.7 0.0 149.4

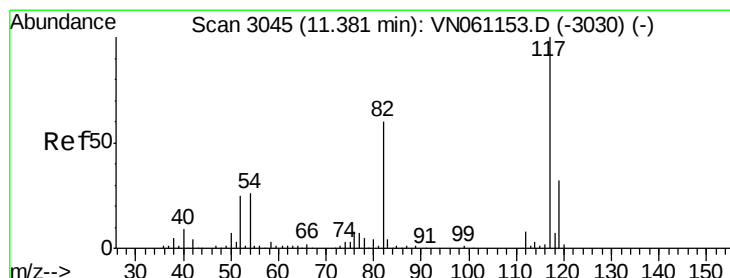
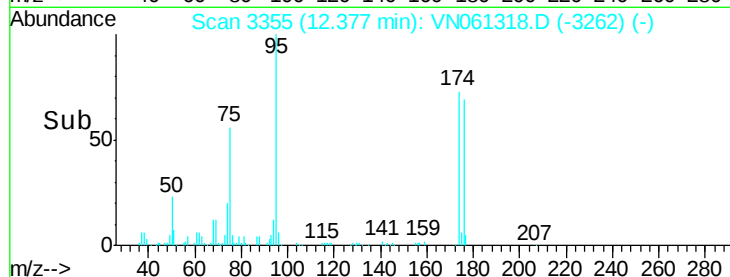
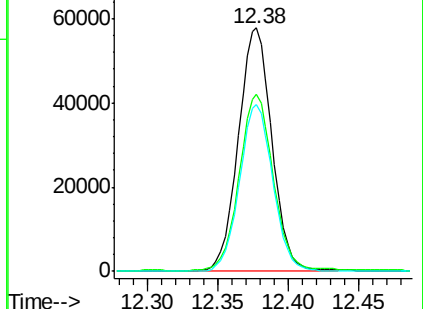
176 67.9 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061318.D (-2952) (-)

Ion 173.80 (173.50 to 174.50): VN061318.D (-2952) (-)

Ion 175.80 (175.50 to 176.50): VN061318.D (-2952) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

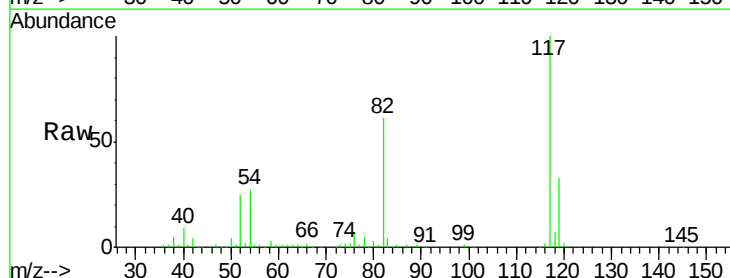
Tgt Ion: 117 Resp: 188838

Ion Ratio Lower Upper

117 100

82 61.1 47.8 71.8

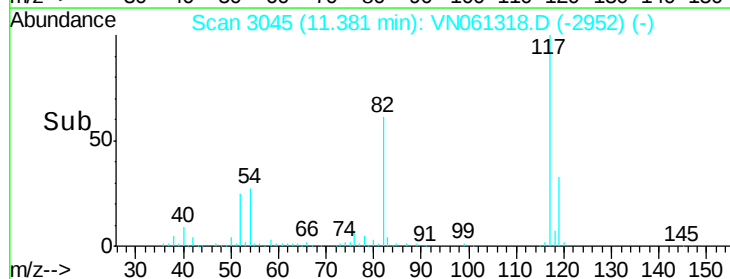
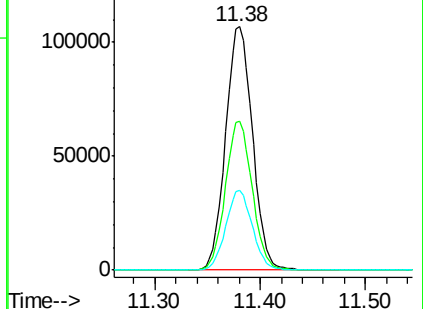
119 32.7 25.8 38.6

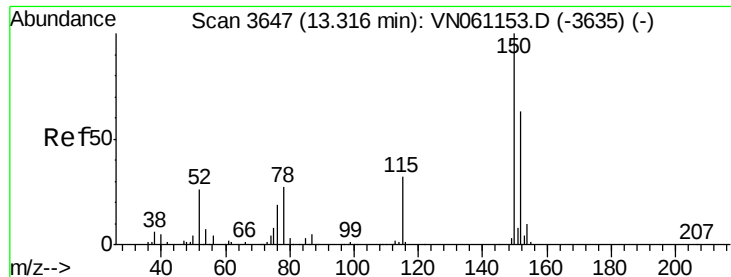


Abundance Ion 116.90 (116.60 to 117.60): VN061318.D (-2952) (-)

Ion 82.00 (81.70 to 82.70): VN061318.D (-2952) (-)

Ion 118.90 (118.60 to 119.60): VN061318.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: VN061318.D

Acq: 6 May 2020 18:32

Instrument :

MSVOA_N

ClientSampled :

BU-03-050520

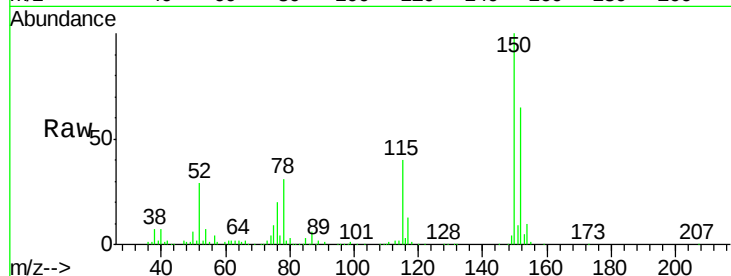
Tot Ion:152 Resp: 85952

Ion Ratio Lower Upper

152 100

115 60.9 31.0 93.0

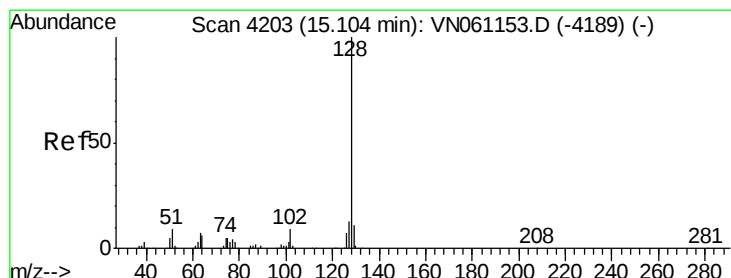
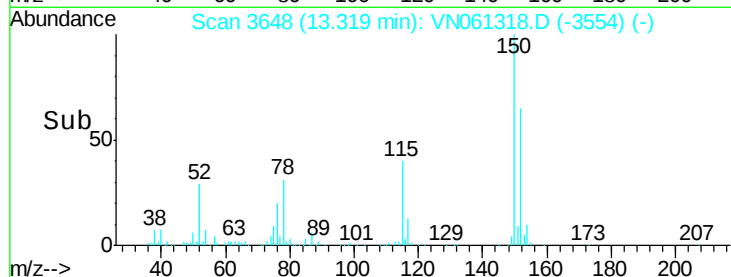
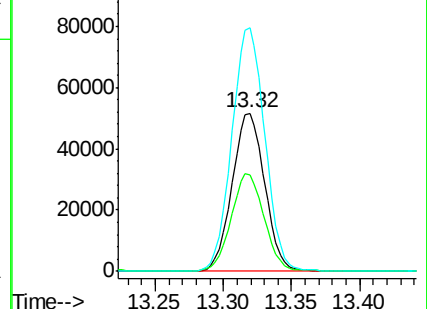
150 155.3 0.0 351.8



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



#95

Naphthalene

Concen: 1.297 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061318.D

Acq: 6 May 2020 18:32

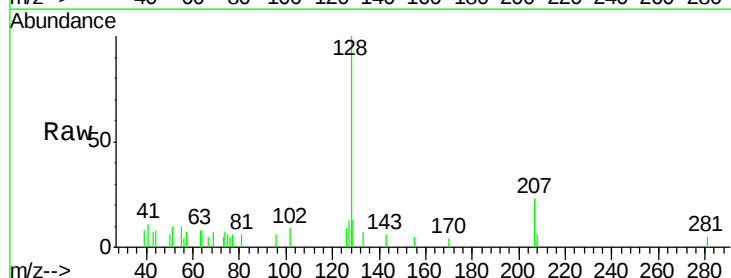
Tgt Ion:128 Resp: 6624

Ion Ratio Lower Upper

128 100

127 11.9 10.4 15.6

129 15.7 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

