

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\  
 Data File : VN049953.D  
 Acq On : 20 Jul 2018 7:59  
 Operator : MD\SY  
 Sample : J4016-15  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-U-23-13

Quant Time: Jul 20 08:24:47 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071818W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 19 01:58:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 571481   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 947945   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 797055   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 285064   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 411512   | 52.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.78% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 361107   | 45.38 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.76%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1287046  | 44.39 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 88.78%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 349914   | 35.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 70.08%  |          |

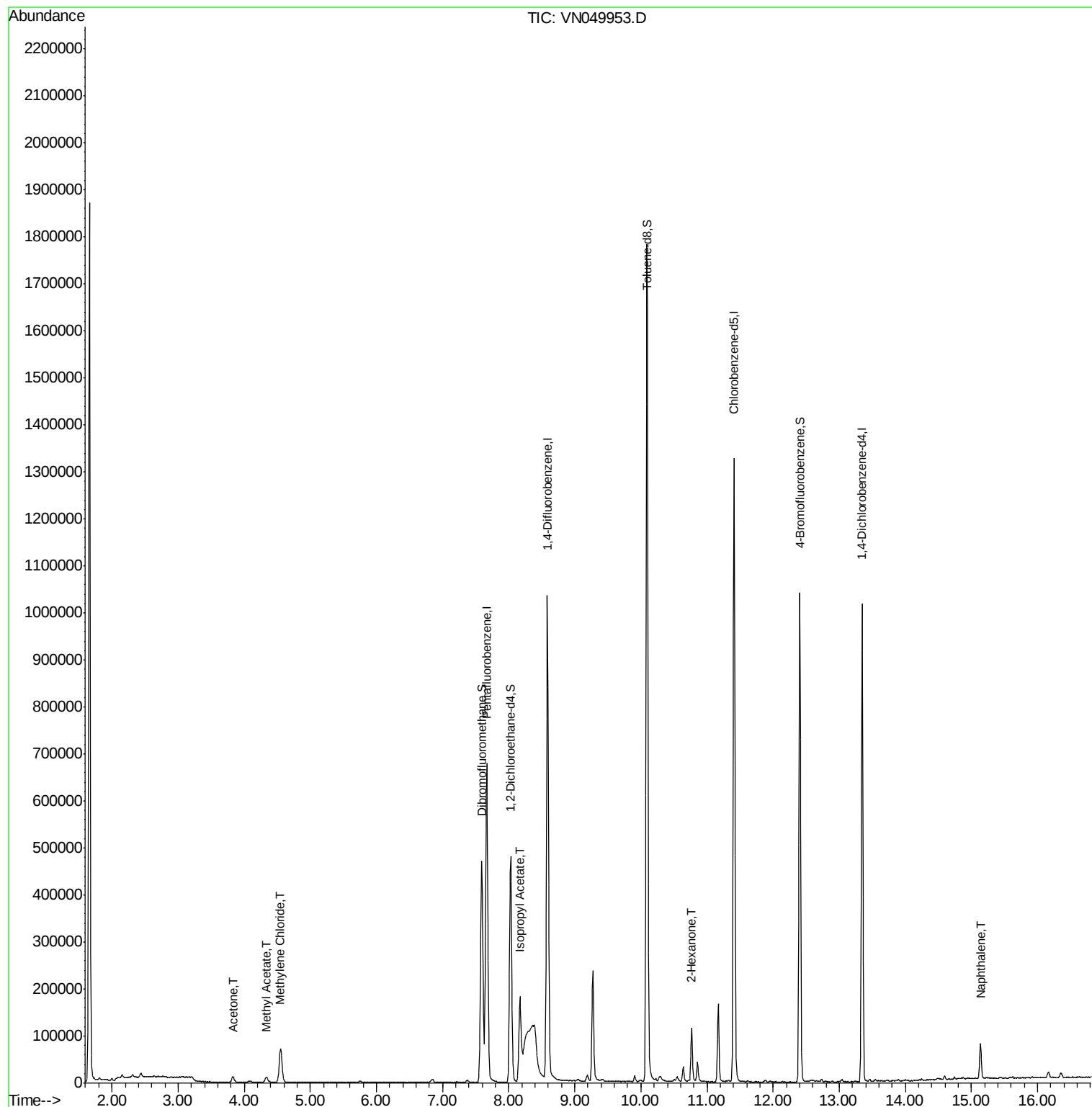
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.83  | 43   | 21483    | 10.56 | ug/l   | 96     |
| 18) Methyl Acetate     | 4.34  | 43   | 23365    | 2.88  | ug/l   | 98     |
| 20) Methylene Chloride | 4.55  | 84   | 53748    | 6.95  | ug/l   | 99     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 221961   | 17.55 | ug/l   | 97     |
| 59) 2-Hexanone         | 10.77 | 43   | 15846    | 3.34  | ug/l # | 61     |
| 95) Naphthalene        | 15.14 | 128  | 64063    | 8.81  | ug/l   | 98     |

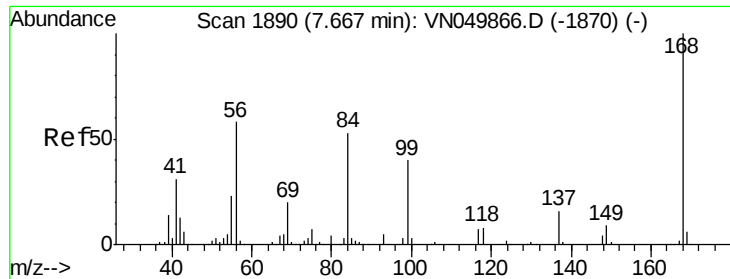
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 08:24:47 2018  
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Quant Title : SW846 8260  
QLast Update : Thu Jul 19 01:58:39 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

Instrument :

MSVOA\_N

ClientSampled :

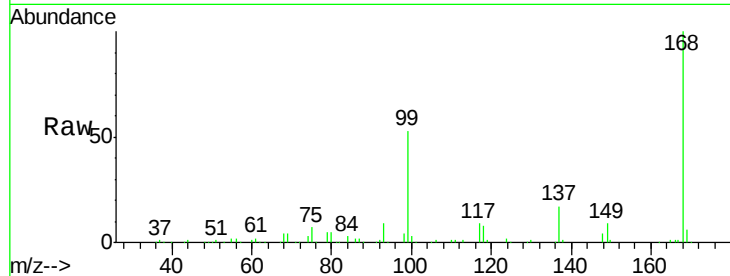
SB4-U-23-13

Tot Ion:168 Resp: 571481

Ion Ratio Lower Upper

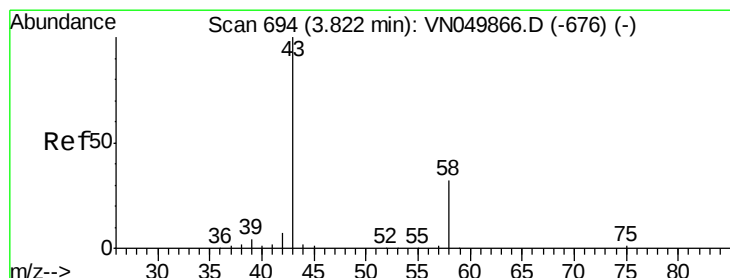
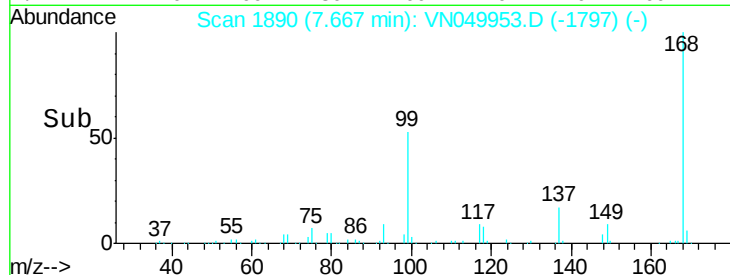
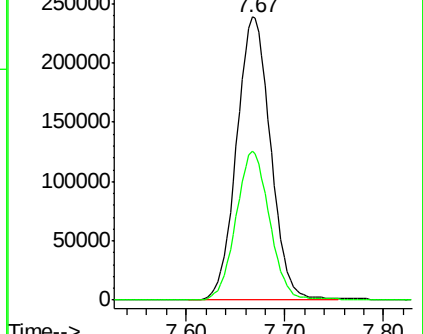
168 100

99 52.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 10.56 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049953.D

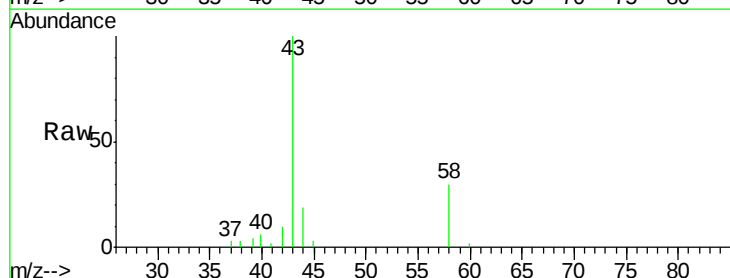
Acq: 20 Jul 2018 7:59

Tgt Ion: 43 Resp: 21483

Ion Ratio Lower Upper

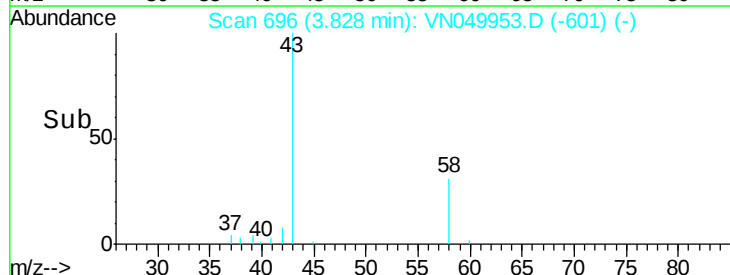
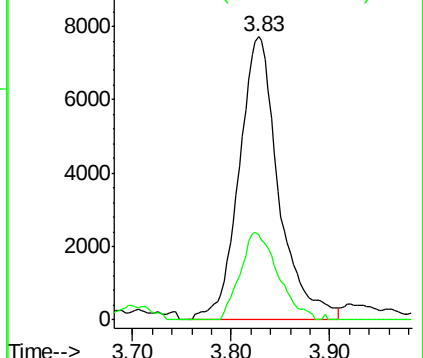
43 100

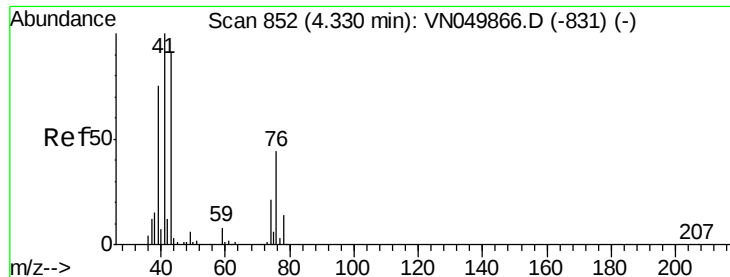
58 29.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

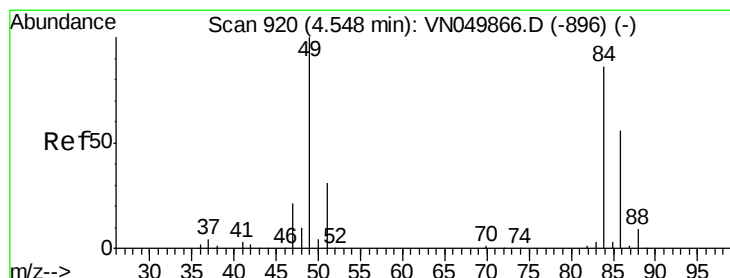
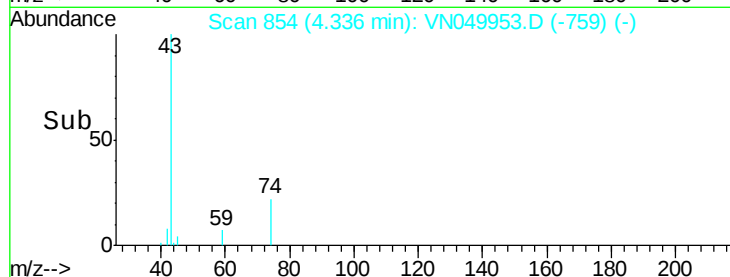
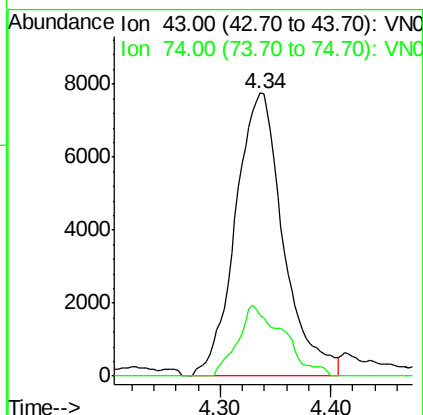
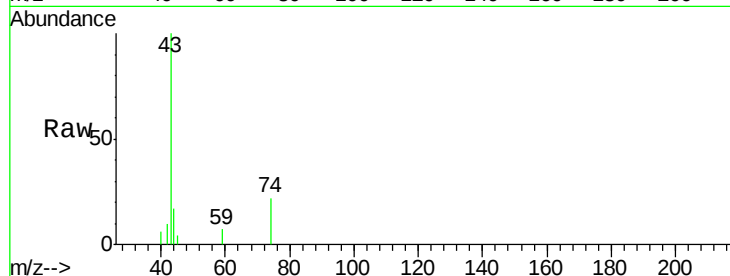




#18  
Methvl Acetate  
Concen: 2.88 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049953.D  
Acq: 20 Jul 2018 7:59

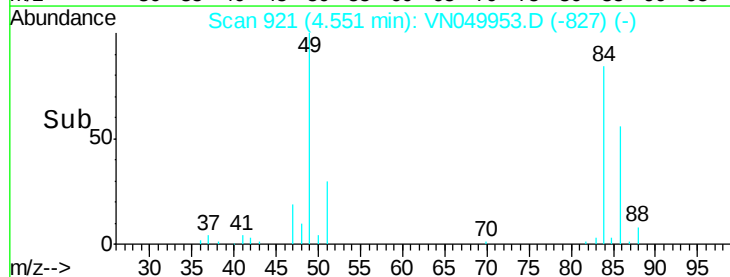
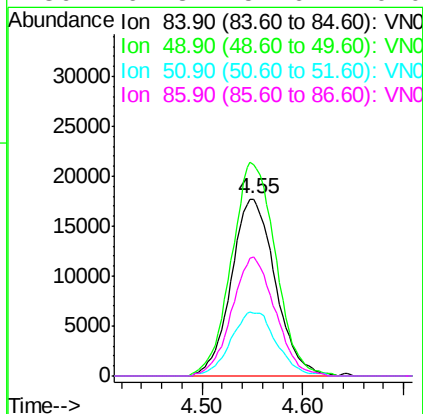
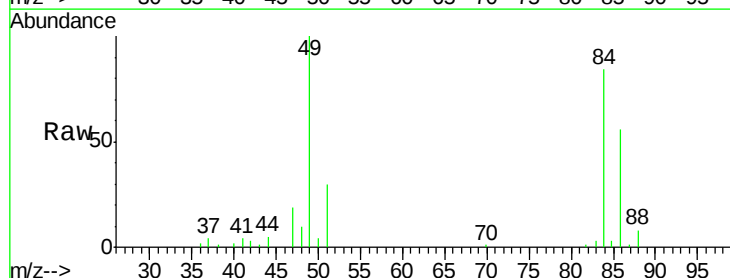
Instrument :  
MSVOA\_N  
ClientSampled :  
SB4-U-23-13

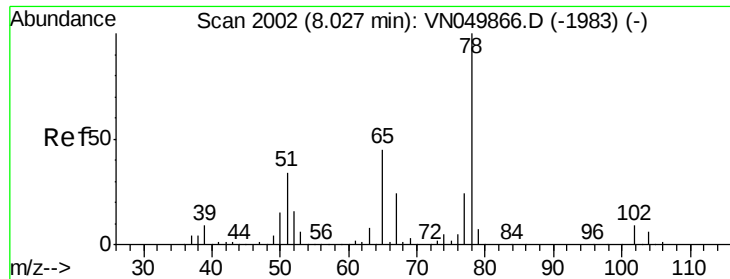
Tot Ion: 43 Resp: 23365  
Ion Ratio Lower Upper  
43 100  
74 23.9 19.8 29.8



#20  
Methylene Chloride  
Concen: 6.95 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049953.D  
Acq: 20 Jul 2018 7:59

Tgt Ion: 84 Resp: 53748  
Ion Ratio Lower Upper  
84 100  
49 119.2 95.4 143.2  
51 35.4 28.4 42.6  
86 67.3 52.6 79.0

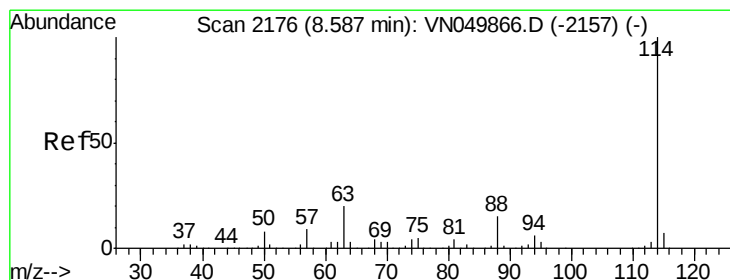
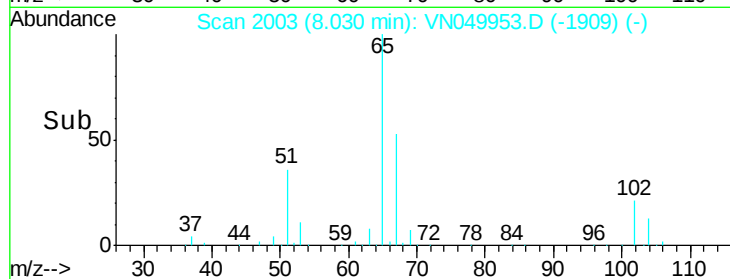
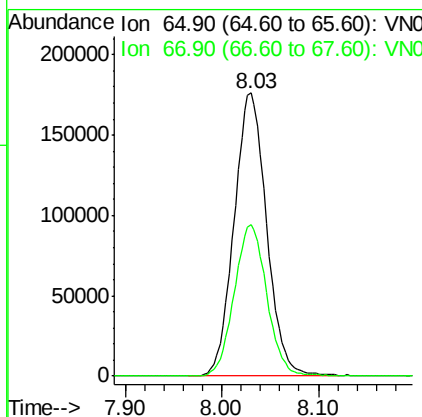
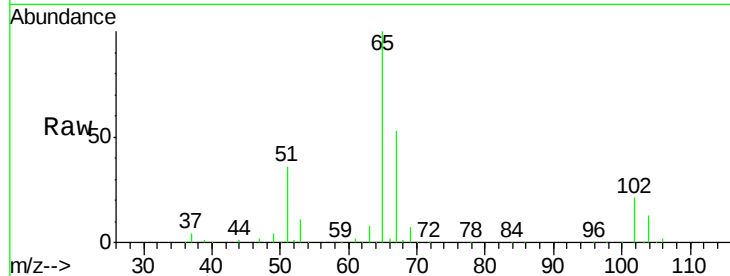




#33  
 1,2-Dichloroethane-d4  
 Concen: 52.39 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049953.D  
 Acq: 20 Jul 2018 7:59

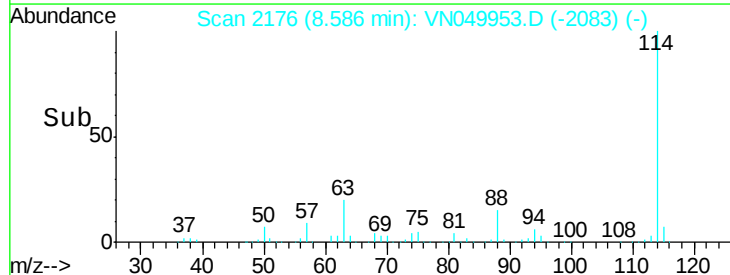
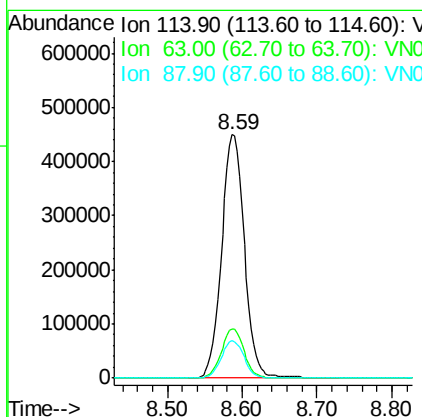
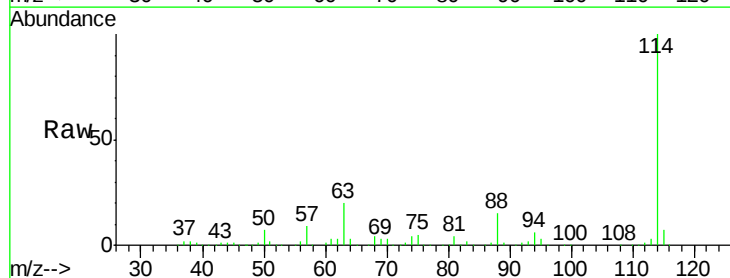
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-U-23-13

Tot Ion: 65 Resp: 411512  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049953.D  
 Acq: 20 Jul 2018 7:59

Tgt Ion: 114 Resp: 947945  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 39.8  
 88 15.4 0.0 30.6

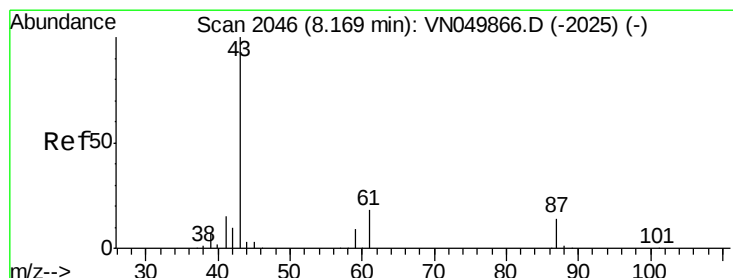
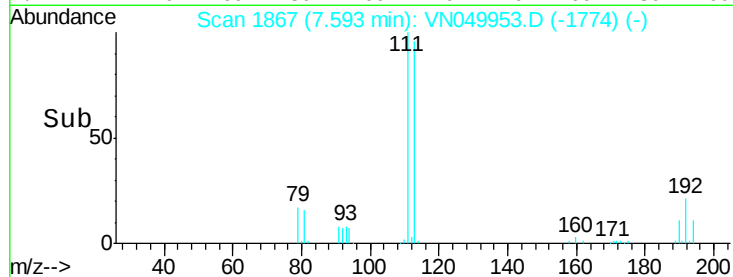
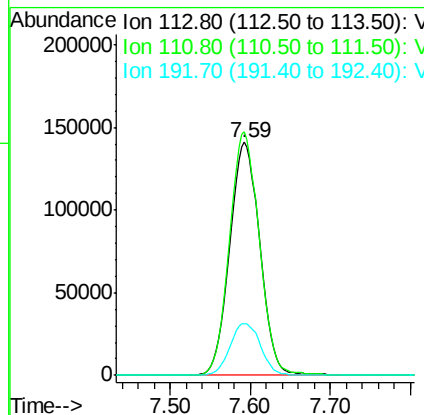
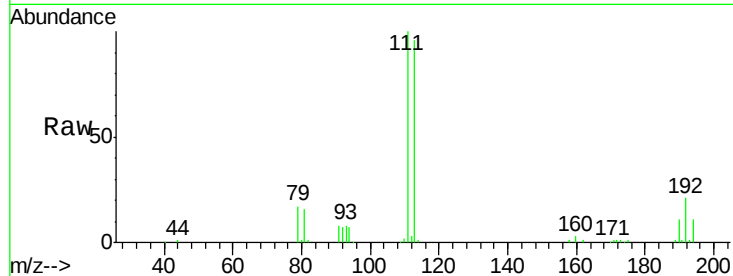




#35  
 Dibromofluoromethane  
 Concen: 45.38 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049953.D  
 Acq: 20 Jul 2018 7:59

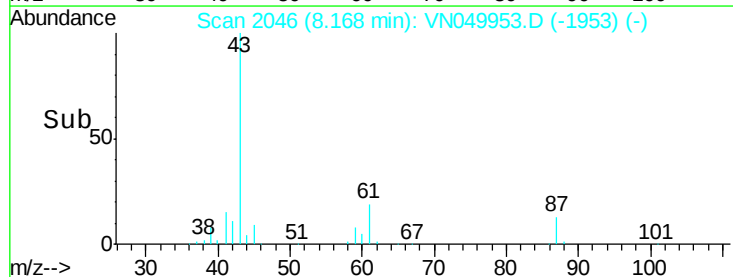
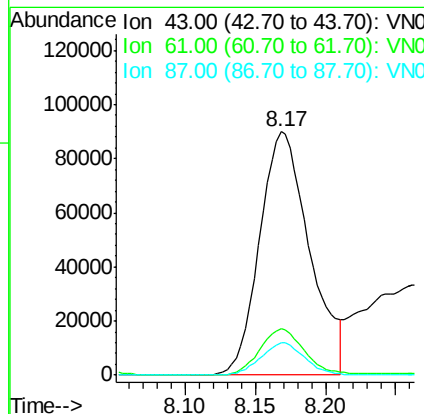
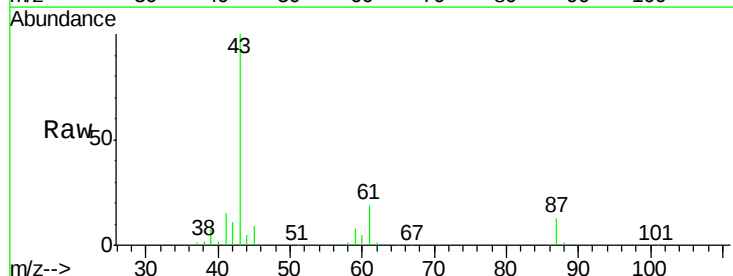
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 SB4-U-23-13

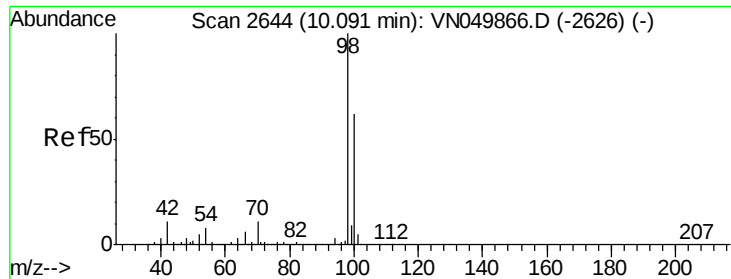
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.8  | 122.8 |
| 192     | 22.6  | 17.8  | 26.6  |



#43  
 Isopropyl Acetate  
 Concen: 17.55 ug/l  
 RT: 8.17 min Scan# 2046  
 Delta R.T. -0.00 min  
 Lab File: VN049953.D  
 Acq: 20 Jul 2018 7:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.0  | 14.9  | 22.3  |
| 87      | 11.7  | 10.0  | 15.0  |





#50

Toluene-d8

Concen: 44.39 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

Instrument :

MSVOA\_N

ClientSampled :

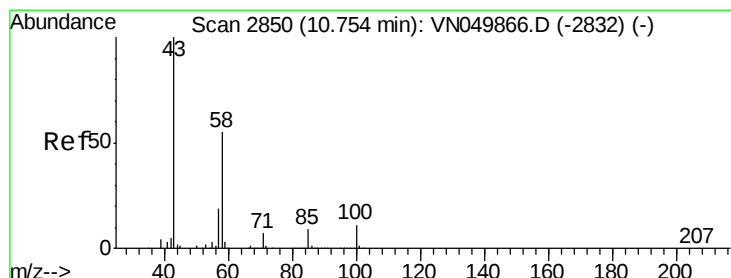
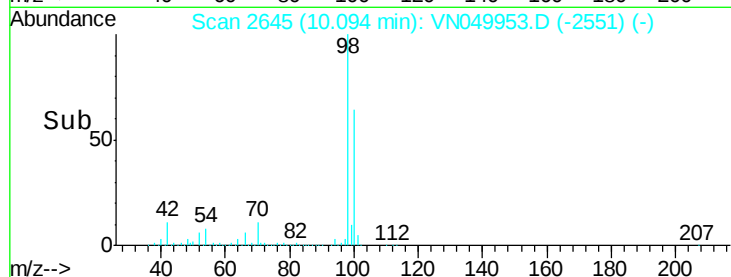
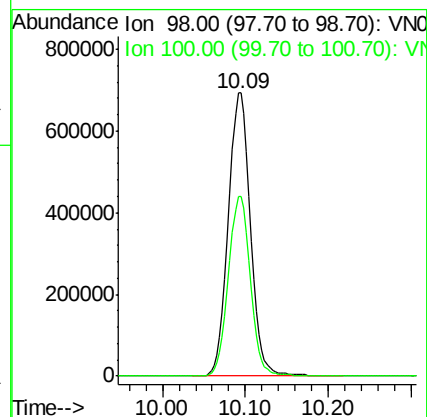
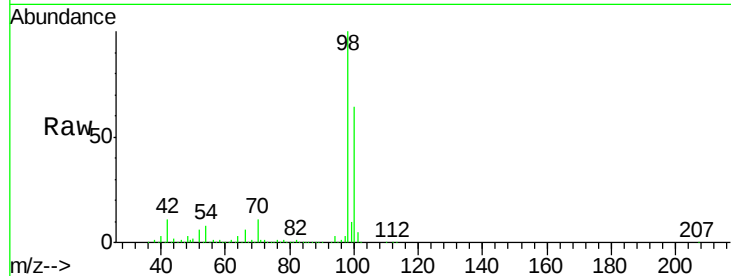
SB4-U-23-13

Tot Ion: 98 Resp: 1287046

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5



#59

2-Hexanone

Concen: 3.34 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049953.D

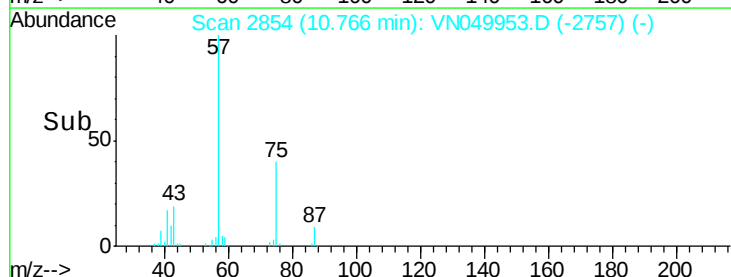
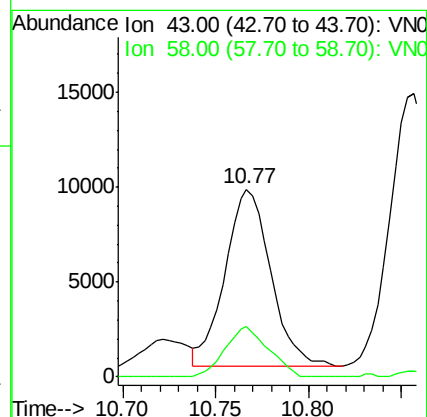
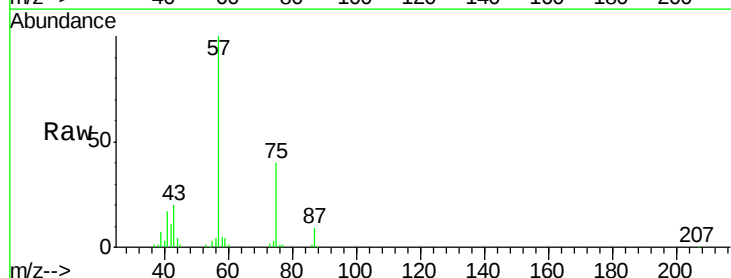
Acq: 20 Jul 2018 7:59

Tgt Ion: 43 Resp: 15846

Ion Ratio Lower Upper

43 100

58 27.0 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 35.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

Instrument :

MSVOA\_N

ClientSampleId :

SB4-U-23-13

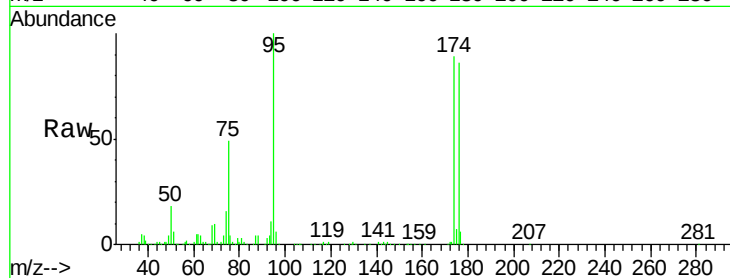
Tot Ion: 95 Resp: 349914

Ion Ratio Lower Upper

95 100

174 90.5 0.0 179.6

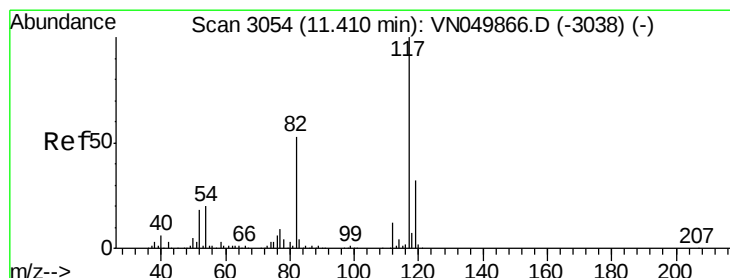
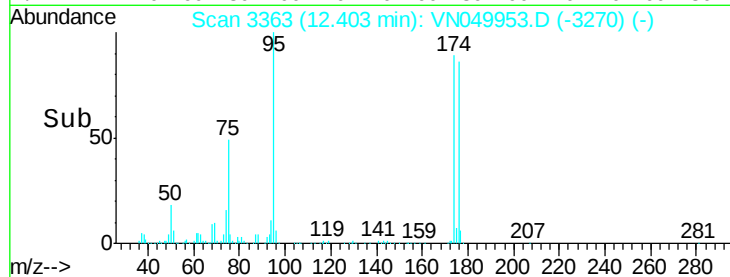
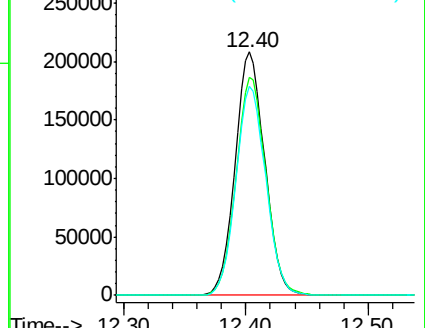
176 86.5 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049953.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049953.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049953.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

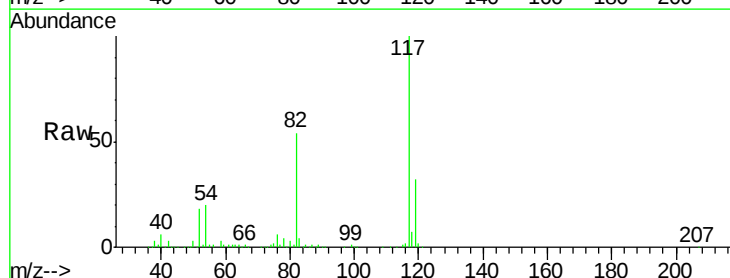
Tgt Ion: 117 Resp: 797055

Ion Ratio Lower Upper

117 100

82 53.6 41.9 62.9

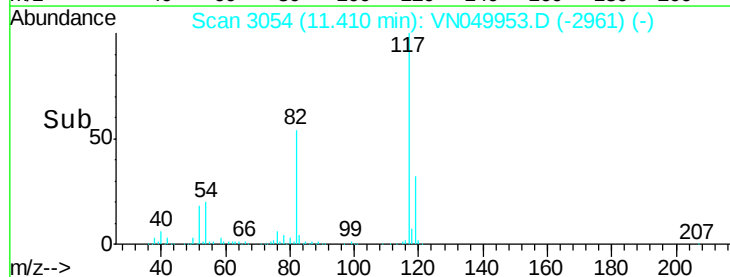
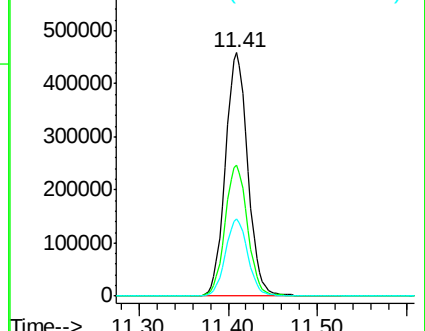
119 31.7 25.4 38.2

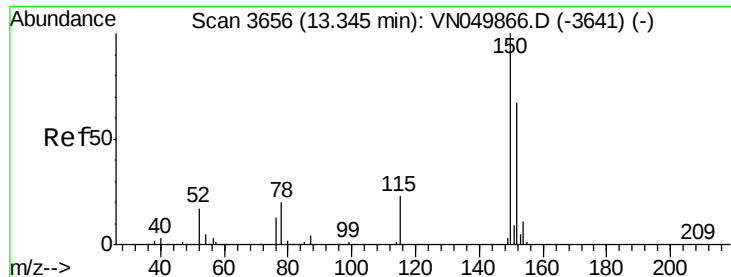


Abundance Ion 116.90 (116.60 to 117.60): VN049953.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049953.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049953.D (-2961) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

Instrument :

MSVOA\_N

ClientSampled :

SB4-U-23-13

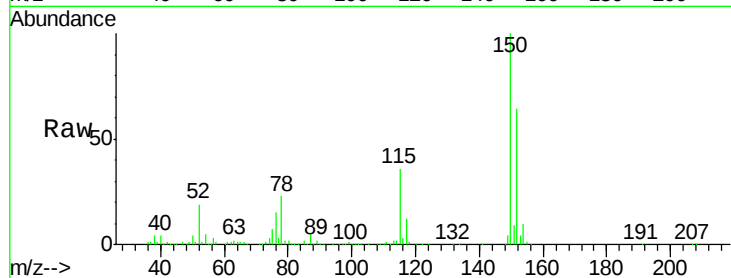
Tot Ion:152 Resp: 285064

Ion Ratio Lower Upper

152 100

115 57.3 28.1 84.2

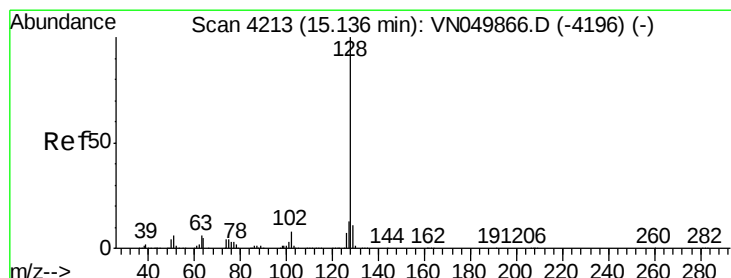
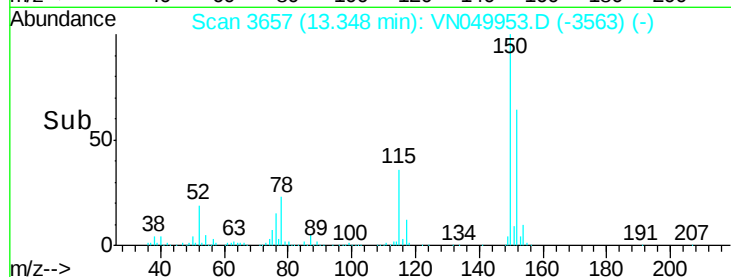
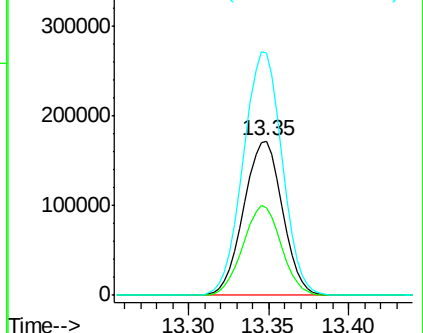
150 158.0 0.0 347.6



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: 8.81 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049953.D

Acq: 20 Jul 2018 7:59

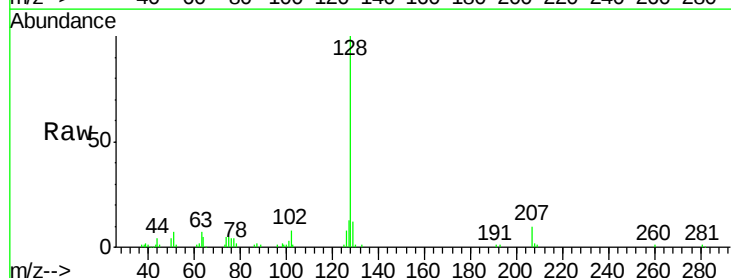
Tgt Ion:128 Resp: 64063

Ion Ratio Lower Upper

128 100

127 14.2 10.4 15.6

129 10.7 8.6 13.0



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

