

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\  
 Data File : VN050324.D  
 Acq On : 3 Aug 2018 19:57  
 Operator : MD\SY  
 Sample : PB111719ZHE#09  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#09

Quant Time: Aug 04 00:25:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

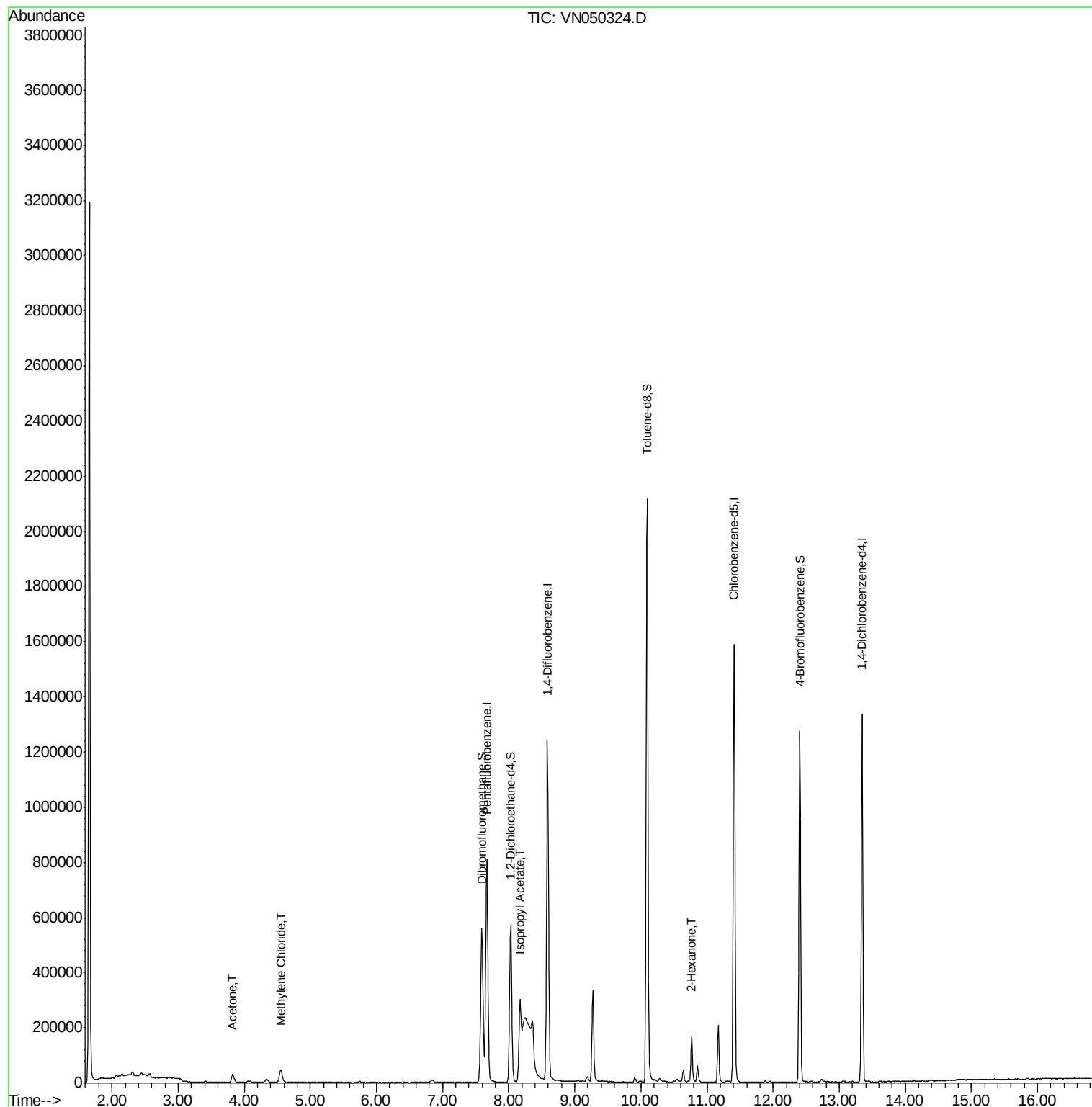
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 679208   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1145144  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 961300   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 374951   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 489831   | 51.69 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.38% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 425158   | 45.47 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 90.94%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1543764  | 44.91 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.82%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 426506   | 37.68 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 75.36%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 52991    | 19.74 | ug/l    | 98       |
| 20) Methylene Chloride      | 4.55  | 84   | 35835    | 3.09  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 363489   | 20.78 | ug/l #  | 91       |
| 59) 2-Hexanone              | 10.77 | 43   | 24005    | 8.79  | ug/l #  | 58       |

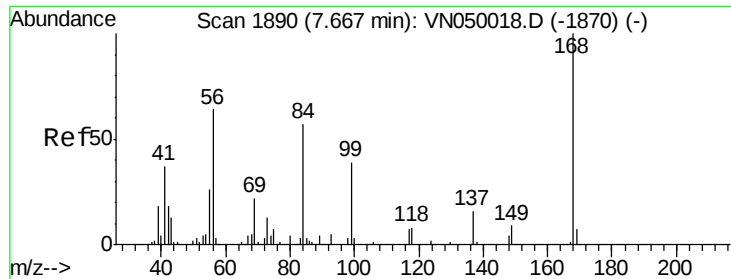
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050324.D

Acq: 3 Aug 2018 19:57

Instrument :

MSVOA\_N

ClientSampleId :

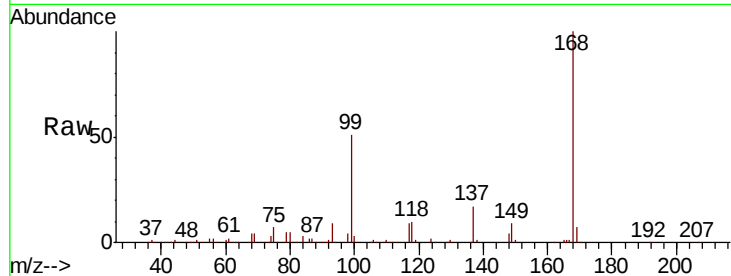
PB111719ZHE#09

Tot Ion:168 Resp: 679208

Ion Ratio Lower Upper

168 100

99 50.9 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

200000

100000

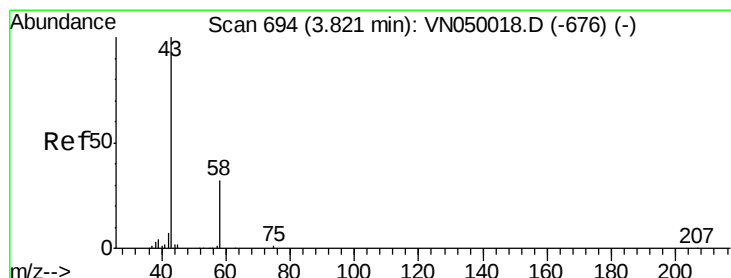
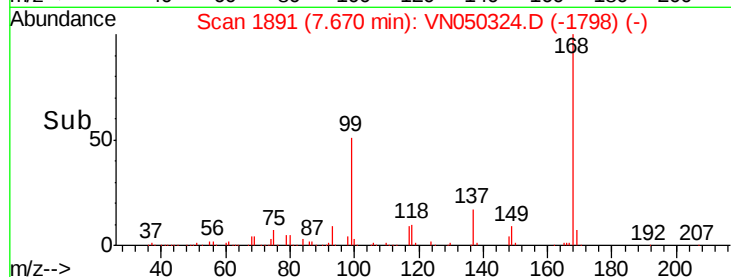
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: 19.74 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050324.D

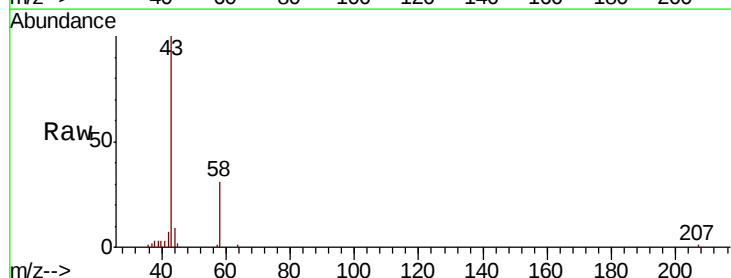
Acq: 3 Aug 2018 19:57

Tgt Ion: 43 Resp: 52991

Ion Ratio Lower Upper

43 100

58 31.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

20000

15000

10000

5000

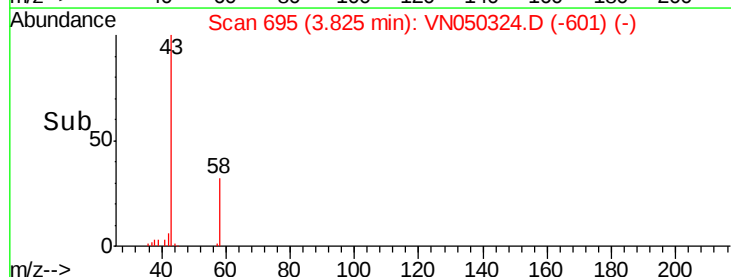
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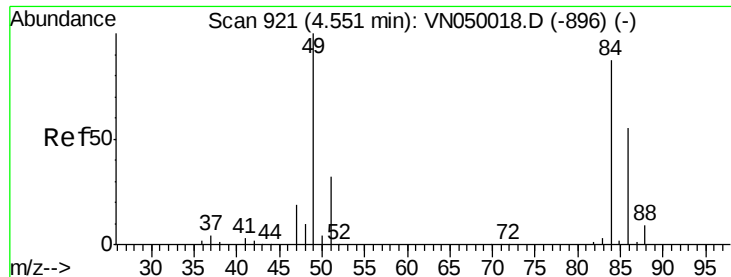
Time-->

3.70

3.80

3.90





#20

Methylene Chloride

Concen: 3.09 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050324.D

Acq: 3 Aug 2018 19:57

Instrument :

MSVOA\_N

ClientSampleId :

PB111719ZHE#09

Tot Ion: 84 Resp: 35835

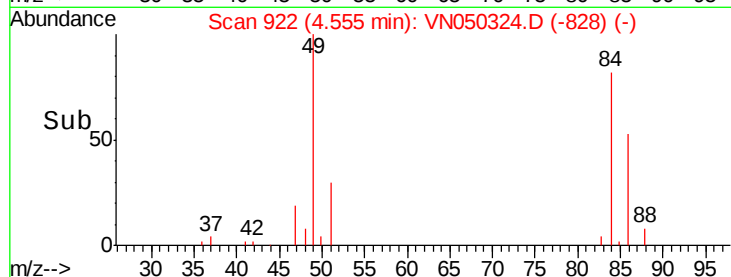
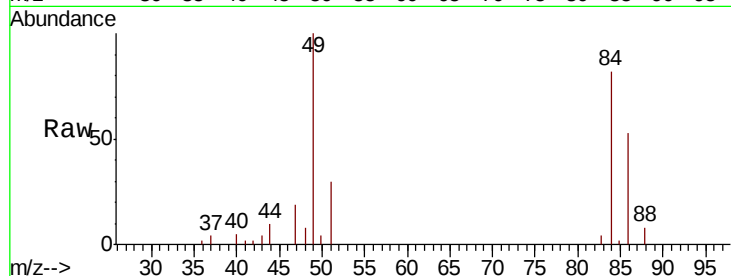
Ion Ratio Lower Upper

84 100

49 122.2 94.8 142.2

51 36.1 28.3 42.5

86 65.3 51.0 76.6



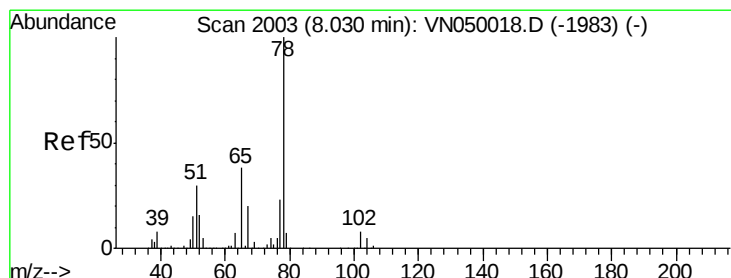
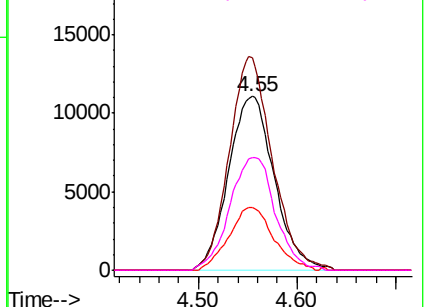
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 51.69 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050324.D

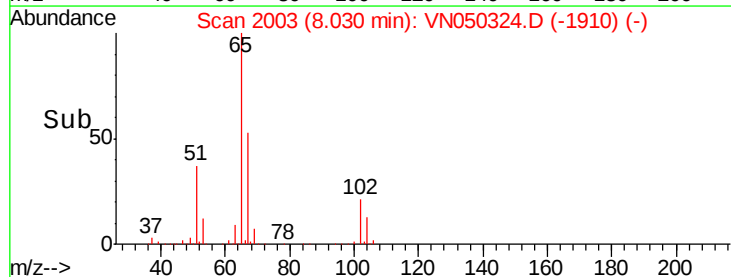
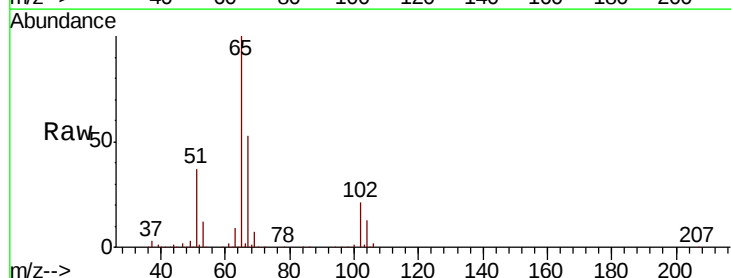
Acq: 3 Aug 2018 19:57

Tgt Ion: 65 Resp: 489831

Ion Ratio Lower Upper

65 100

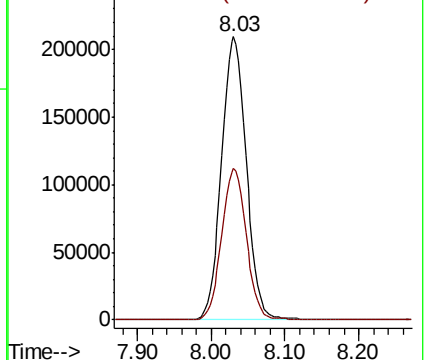
67 53.3 0.0 108.4

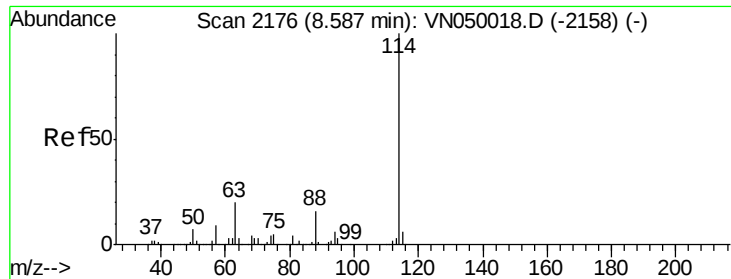


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

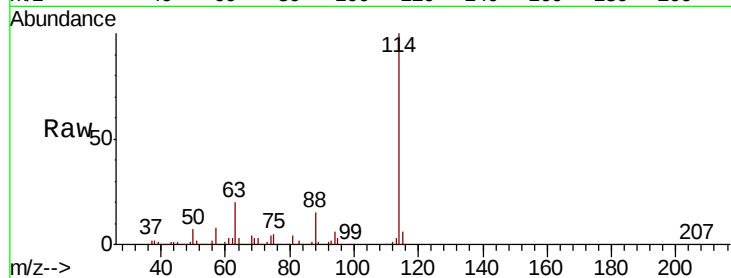




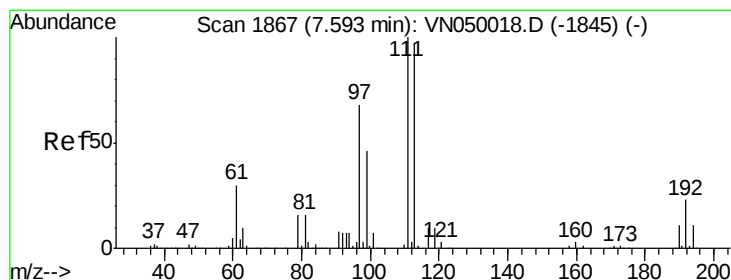
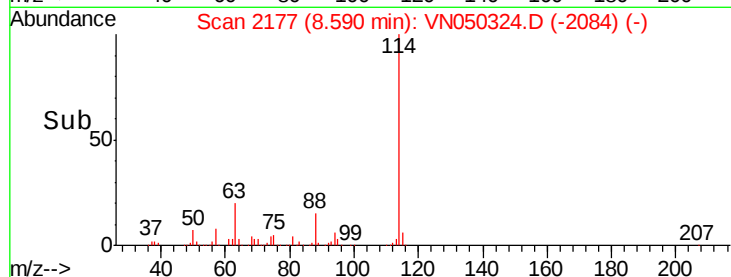
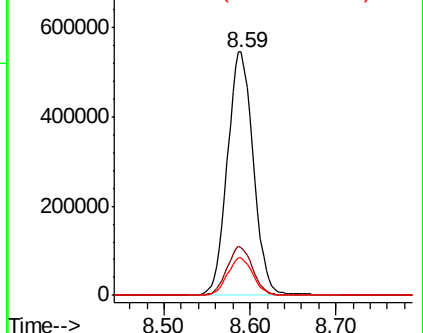
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050324.D  
 Acq: 3 Aug 2018 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#09

Tot Ion:114 Resp: 1145144  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.0  
 88 15.4 0.0 31.2

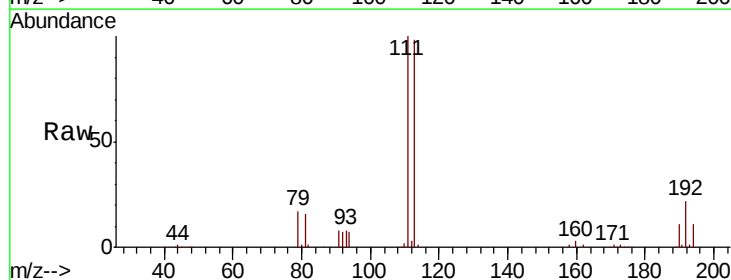


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VNO  
 Ion 87.90 (87.60 to 88.60): VNO

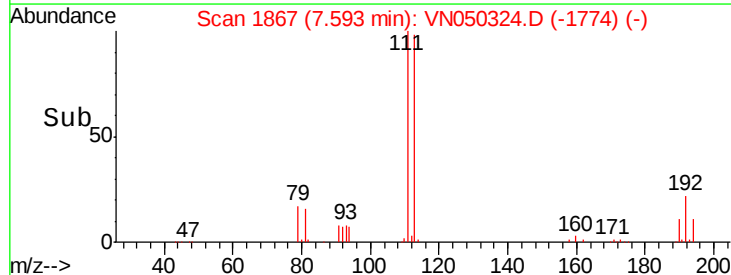
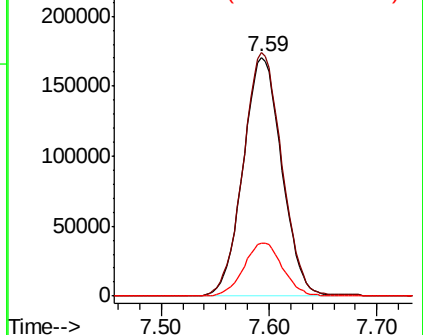


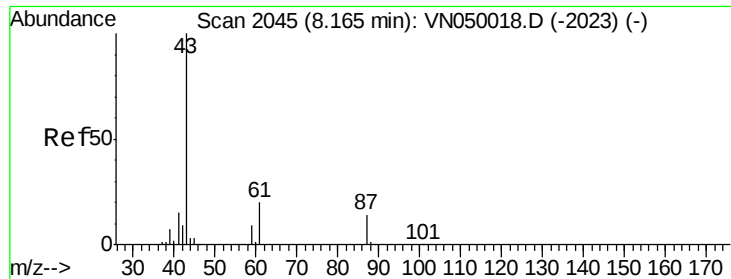
#35  
 Dibromofluoromethane  
 Concen: 45.47 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050324.D  
 Acq: 3 Aug 2018 19:57

Tgt Ion:113 Resp: 425158  
 Ion Ratio Lower Upper  
 113 100  
 111 102.3 80.7 121.1  
 192 22.3 17.8 26.6



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



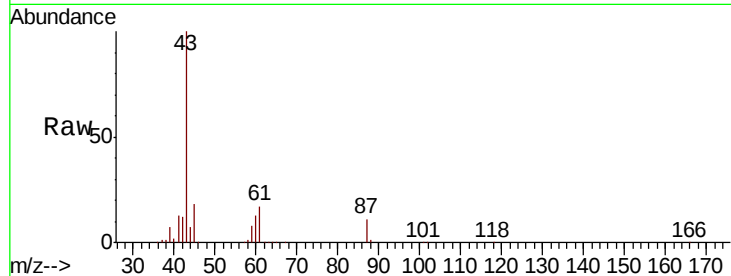


#43

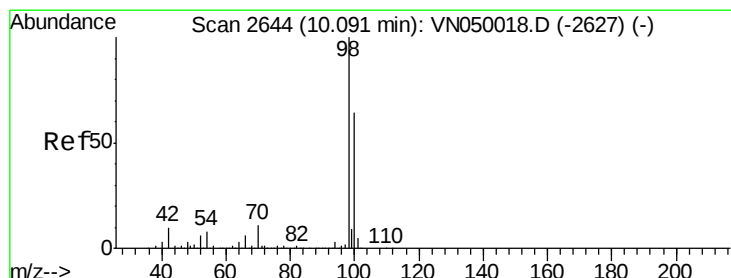
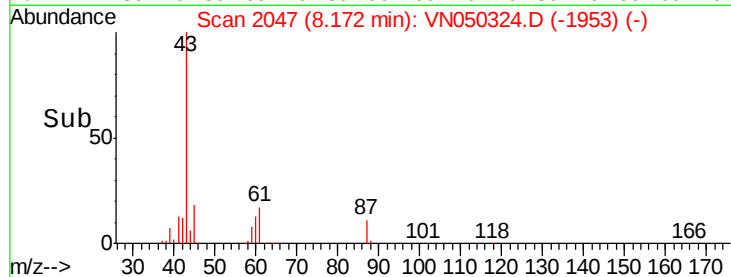
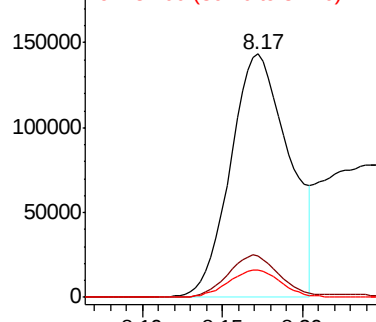
Isopropyl Acetate  
 Concen: 20.78 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN050324.D  
 Acq: 3 Aug 2018 19:57

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111719ZHE#09

| Tot Ion | 43     | 61   | 87   |
|---------|--------|------|------|
| Resp    | 363489 |      |      |
| Ratio   | 100    | 15.4 | 10.0 |
| Lower   |        | 15.8 | 10.3 |
| Upper   |        | 23.6 | 15.5 |



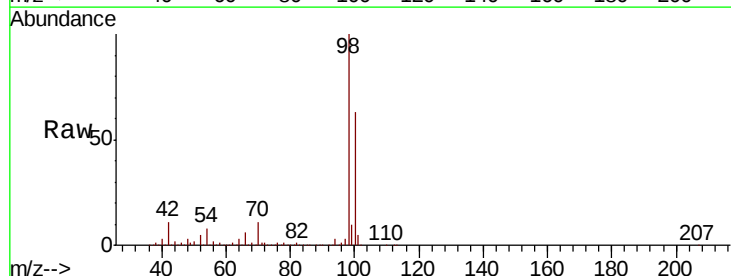
Abundance Ion 43.00 (42.70 to 43.70): VN0  
 Ion 61.00 (60.70 to 61.70): VN0  
 Ion 87.00 (86.70 to 87.70): VN0



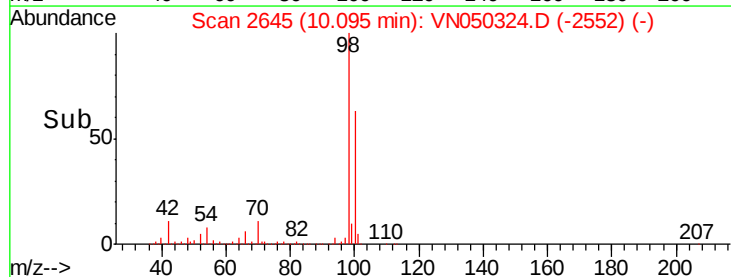
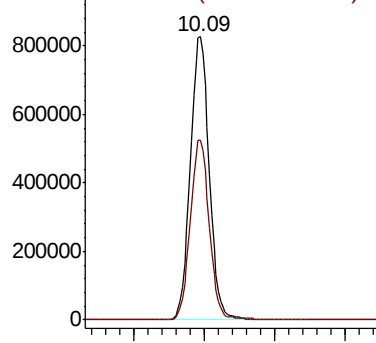
#50

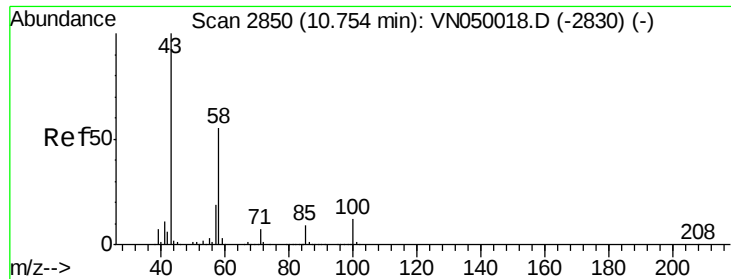
Toluene-d8  
 Concen: 44.91 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN050324.D  
 Acq: 3 Aug 2018 19:57

| Tgt Ion | 98      | 100  |
|---------|---------|------|
| Resp    | 1543764 |      |
| Ratio   | 100     | 63.6 |
| Lower   |         | 50.7 |
| Upper   |         | 76.1 |



Abundance Ion 98.00 (97.70 to 98.70): VN0  
 Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 8.79 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050324.D

Acq: 3 Aug 2018 19:57

Instrument :

MSVOA\_N

ClientSampleId :

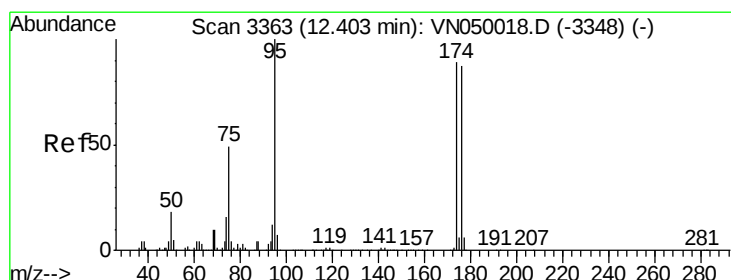
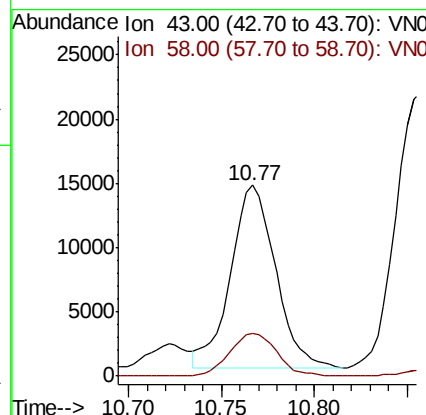
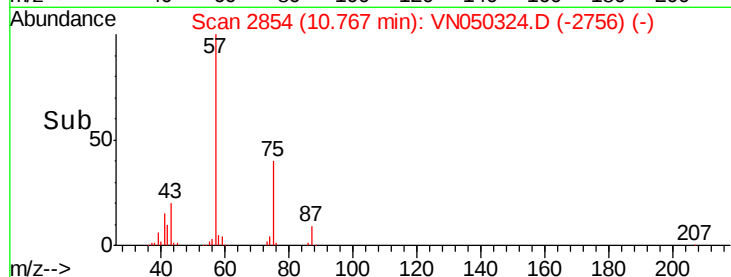
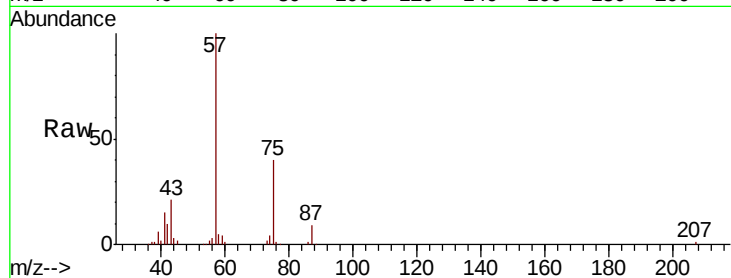
PB111719ZHE#09

Tot Ion: 43 Resp: 24005

Ion Ratio Lower Upper

43 100

58 24.6 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 37.68 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050324.D

Acq: 3 Aug 2018 19:57

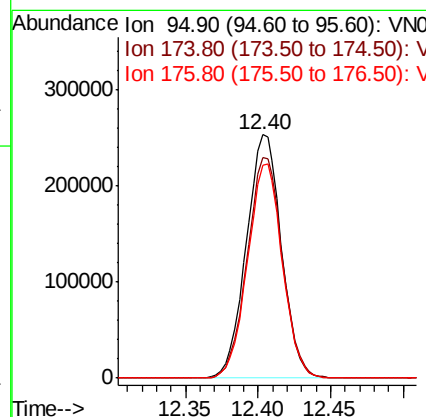
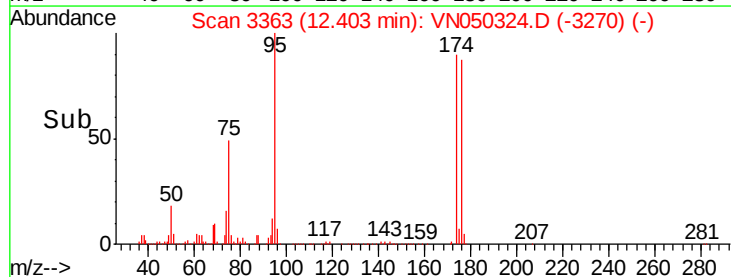
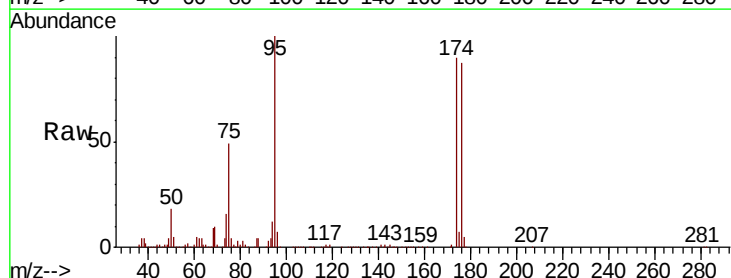
Tgt Ion: 95 Resp: 426506

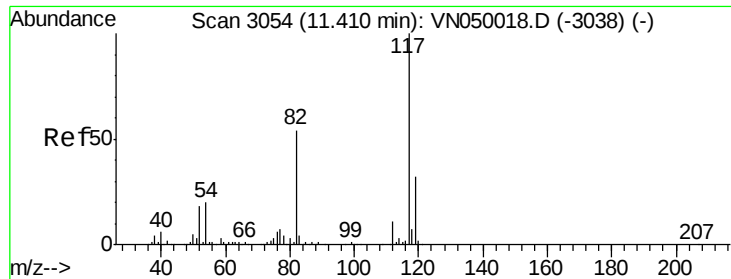
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 87.3 0.0 173.4

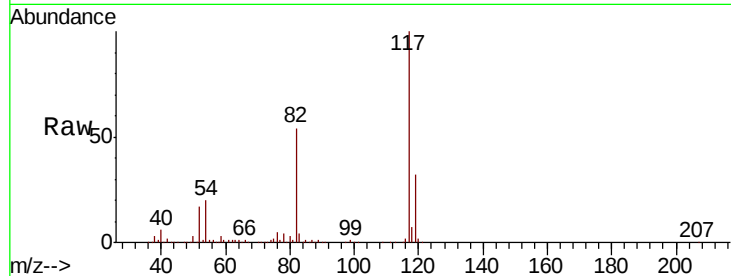




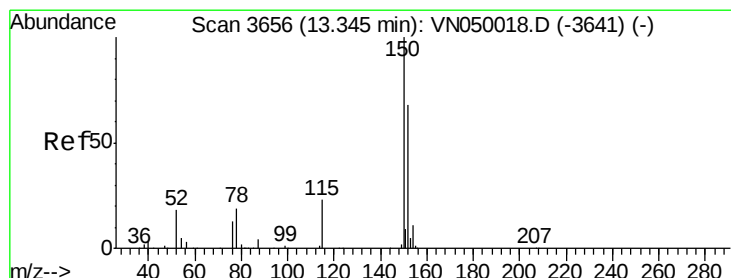
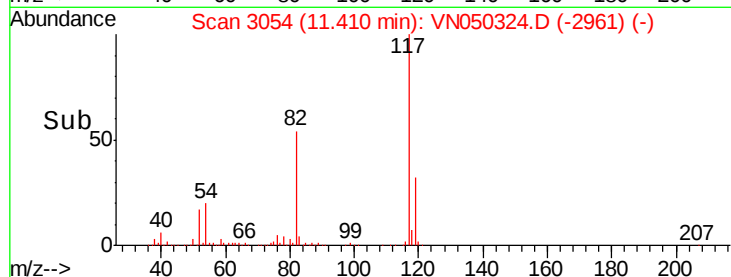
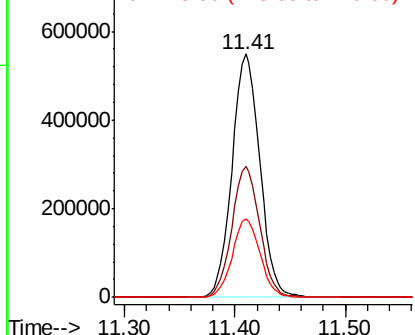
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050324.D  
Acq: 3 Aug 2018 19:57

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111719ZHE#09

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.7  | 43.7  | 65.5  |
| 119     | 32.3  | 26.1  | 39.1  |

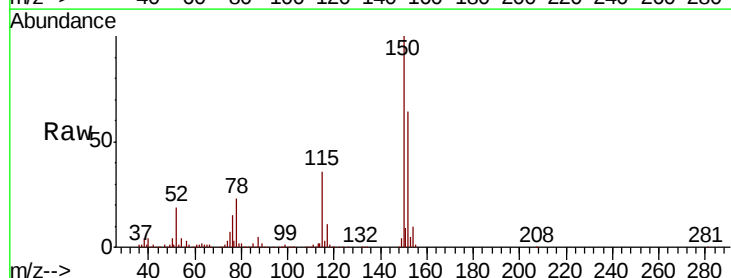


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050324.D  
Acq: 3 Aug 2018 19:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.3  | 27.8  | 83.3  |
| 150     | 156.3 | 0.0   | 348.6 |



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

