

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\  
 Data File : VN050184.D  
 Acq On : 30 Jul 2018 13:54  
 Operator : MD\SY  
 Sample : PB111570ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111570ZHE#04

Quant Time: Jul 31 01:37:53 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  | 659460   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1108529  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 947599   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 325256   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 463425   | 50.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.74% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 420732   | 46.49 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.98%  |      |
| 50) Toluene-d8              | 10.09  | 98  | 1505998  | 45.26 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.52%  |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 415985   | 37.97 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 75.94%  |      |

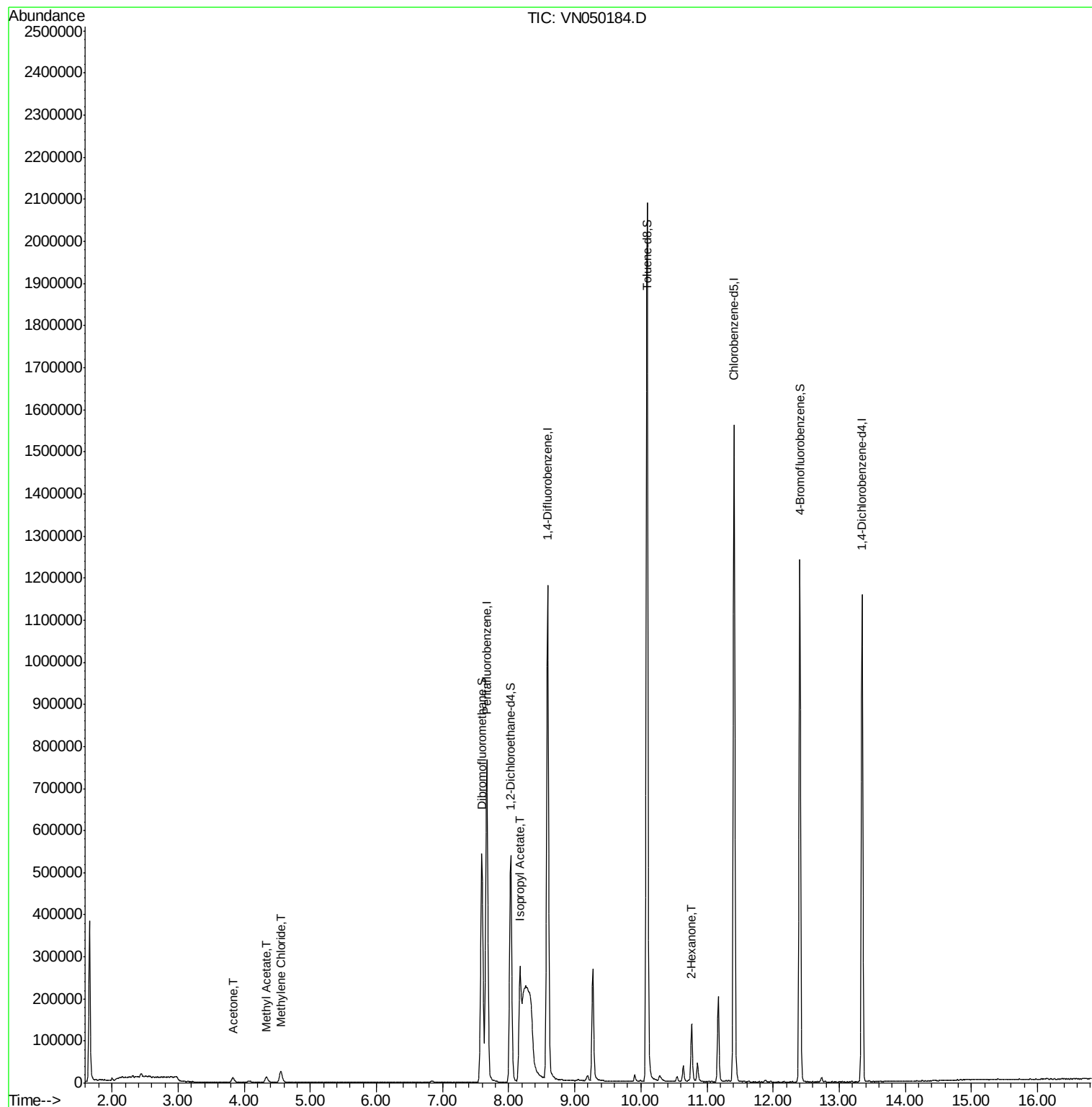
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.83  | 43   | 19341    | 4.66  | ug/l   | 94     |
| 18) Methyl Acetate     | 4.34  | 43   | 25843    | 1.48  | ug/l   | 98     |
| 20) Methylene Chloride | 4.55  | 84   | 20031    | 1.23  | ug/l   | 94     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 332813   | 19.59 | ug/l # | 91     |
| 59) 2-Hexanone         | 10.77 | 43   | 20388    | 8.35  | ug/l # | 58     |

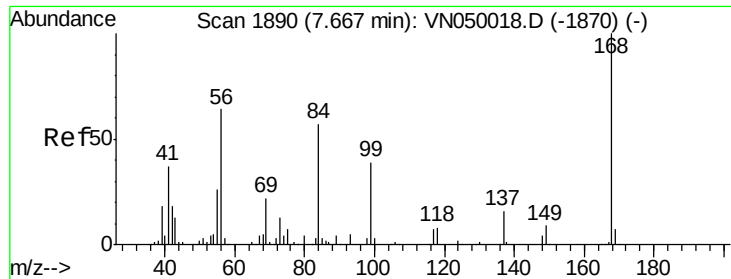
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
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: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA\_N

ClientSampleId :

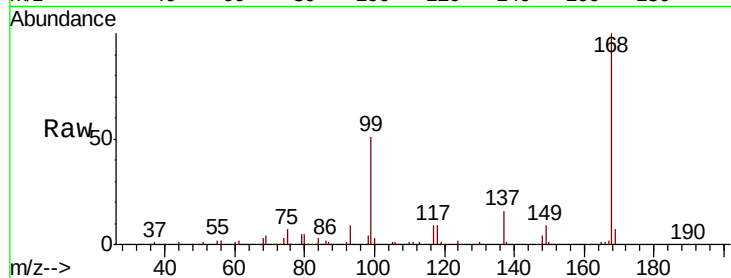
PB111570ZHE#04

Tot Ion:168 Resp: 659460

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050184.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050184.D (-1870) (-)

7.67

300000

250000

200000

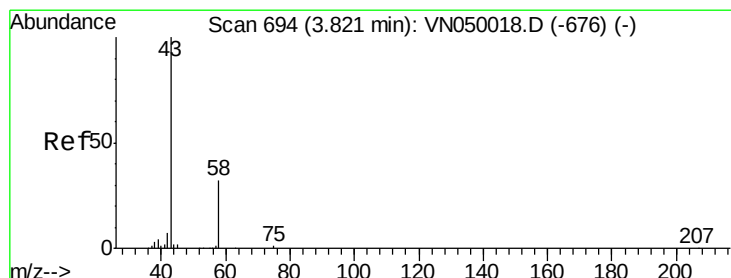
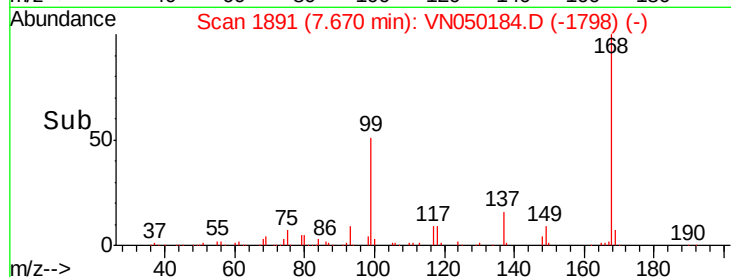
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 4.66 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050184.D

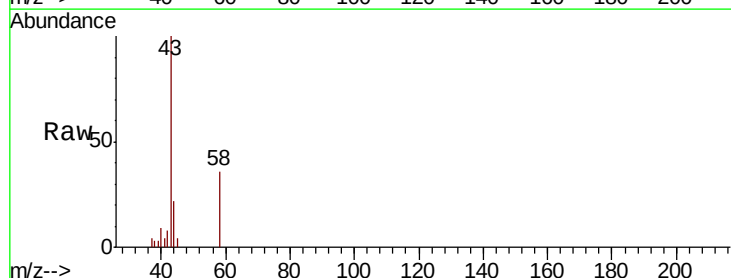
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 19341

Ion Ratio Lower Upper

43 100

58 35.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050184.D (-602) (-)

Ion 58.00 (57.70 to 58.70): VN050184.D (-602) (-)

3.83

8000

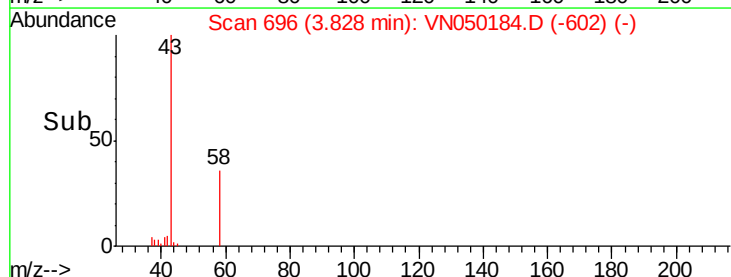
6000

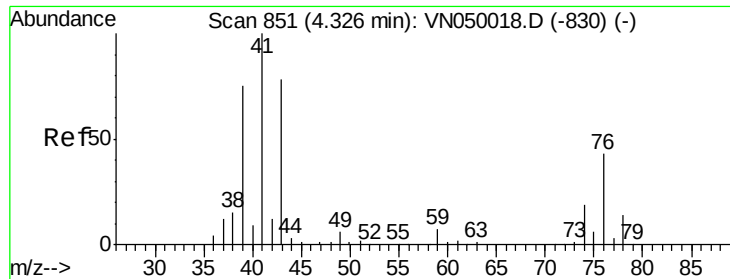
4000

2000

0

Time-->





#18

Methyl Acetate

Concen: 1.48 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA\_N

ClientSampleId :

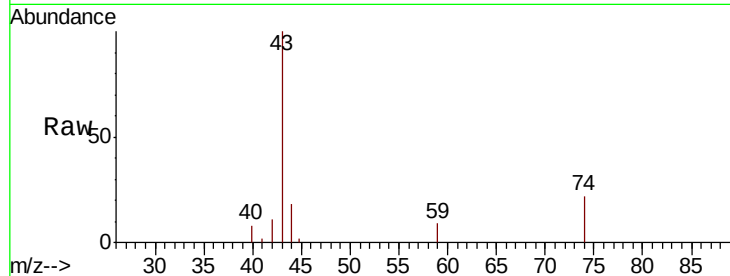
PB111570ZHE#04

Tot Ion: 43 Resp: 25843

Ion Ratio Lower Upper

43 100

74 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

10000

8000

6000

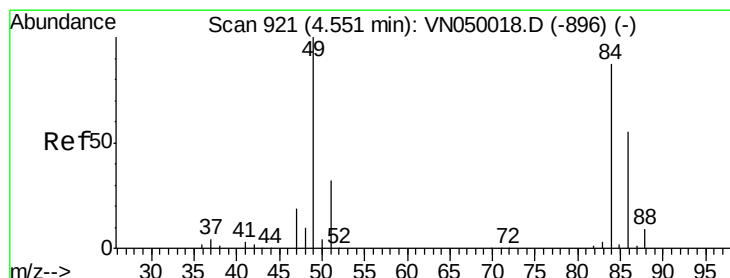
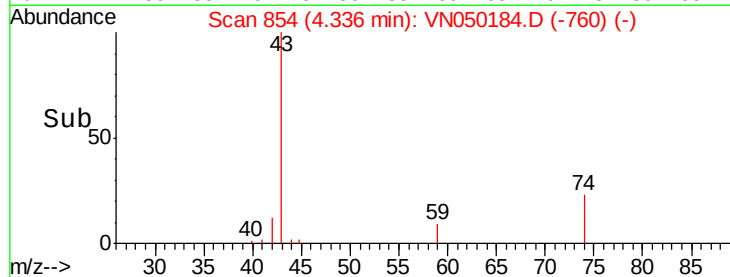
4000

2000

0

Time--> 4.20 4.30 4.40

4.34



#20

Methylene Chloride

Concen: 1.23 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Tgt Ion: 84 Resp: 20031

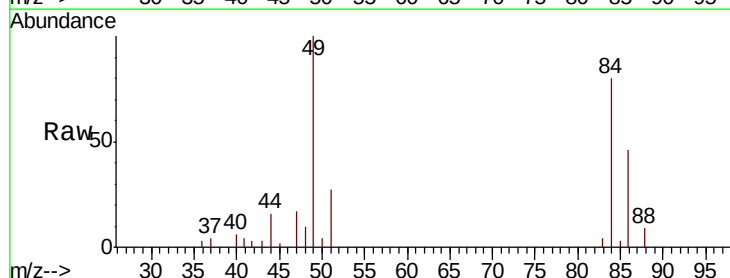
Ion Ratio Lower Upper

84 100

49 124.5 94.8 142.2

51 33.6 28.3 42.5

86 57.3 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

12000

10000

8000

6000

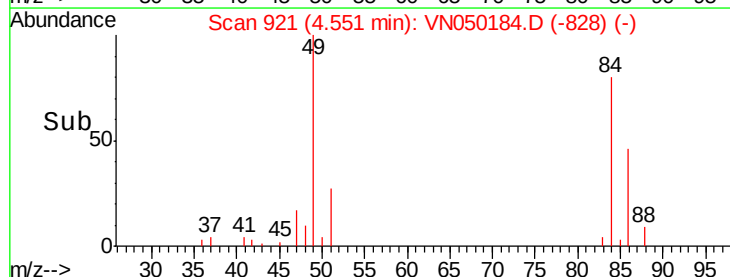
4000

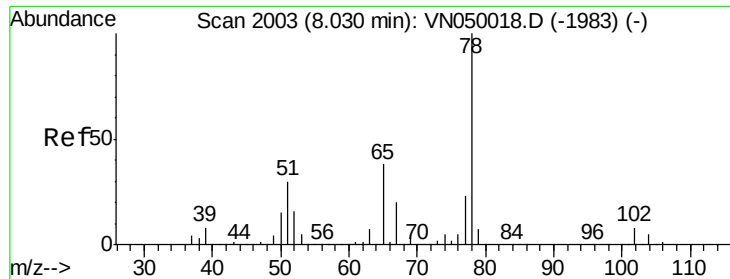
2000

0

Time--> 4.50 4.60

4.55

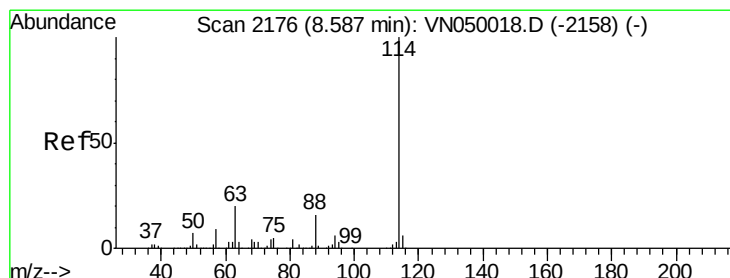
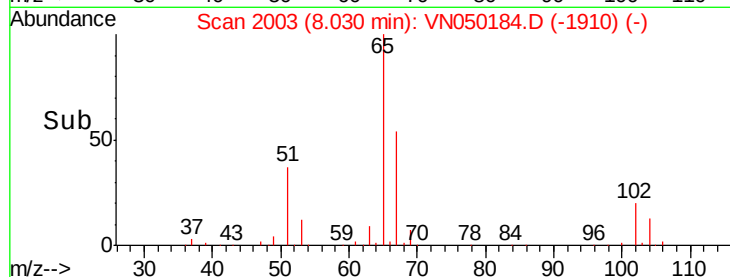
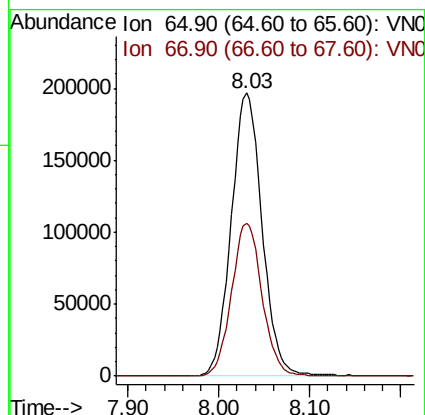
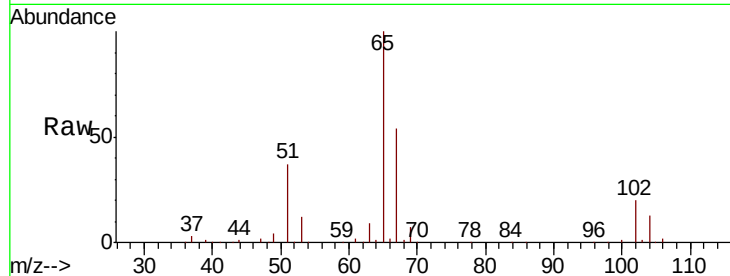




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.37 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050184.D  
 Acq: 30 Jul 2018 13:54

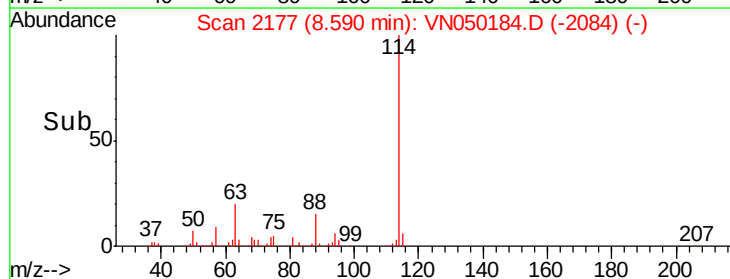
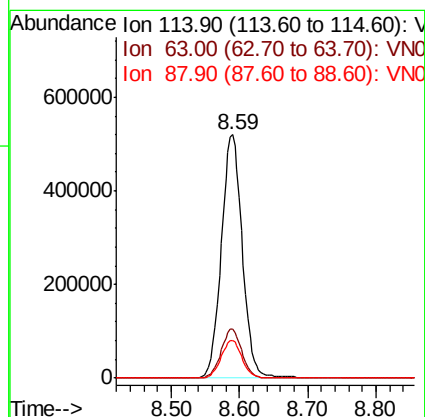
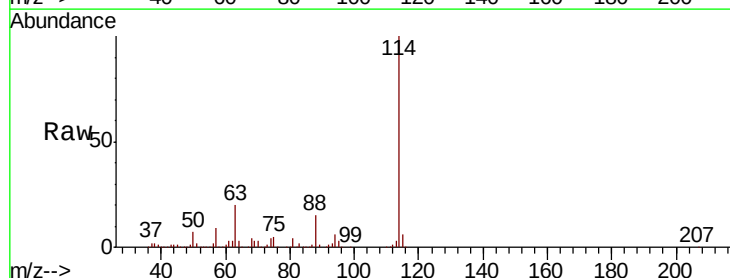
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111570ZHE#04

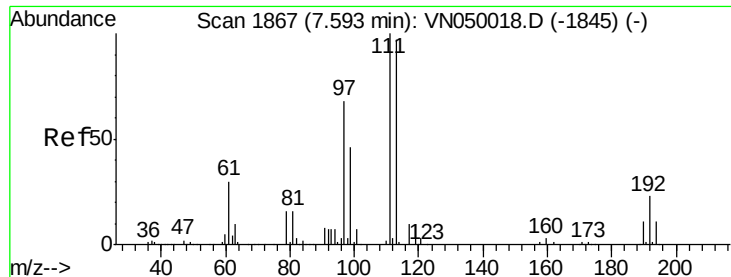
Tot Ion: 65 Resp: 463425  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN050184.D  
 Acq: 30 Jul 2018 13:54

Tgt Ion: 114 Resp: 1108529  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 40.0  
 88 15.4 0.0 31.2

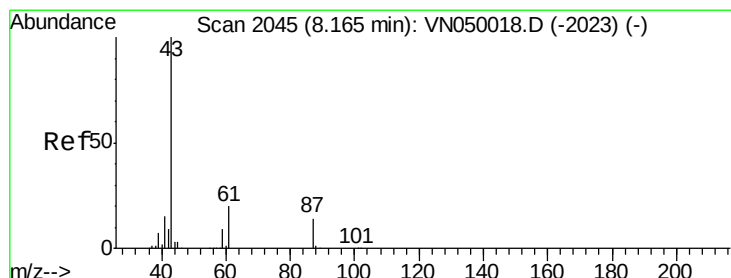
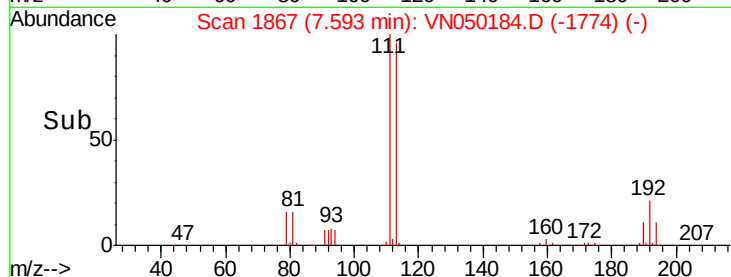
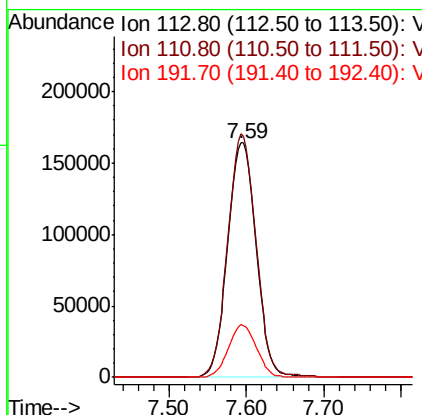
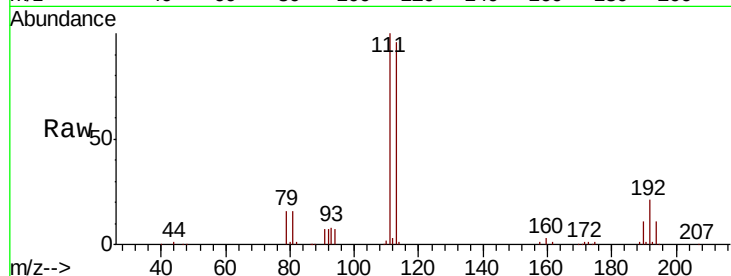




#35  
 Dibromofluoromethane  
 Concen: 46.49 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050184.D  
 Acq: 30 Jul 2018 13:54

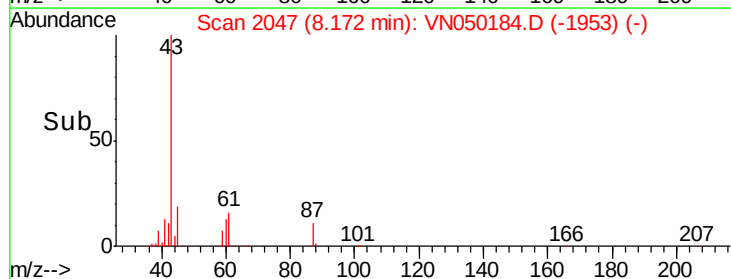
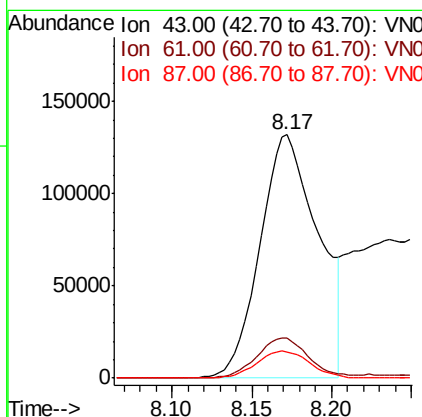
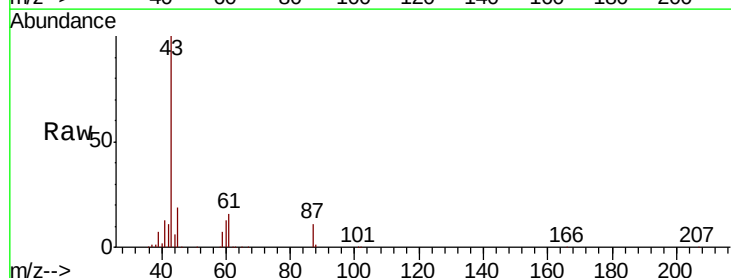
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111570ZHE#04

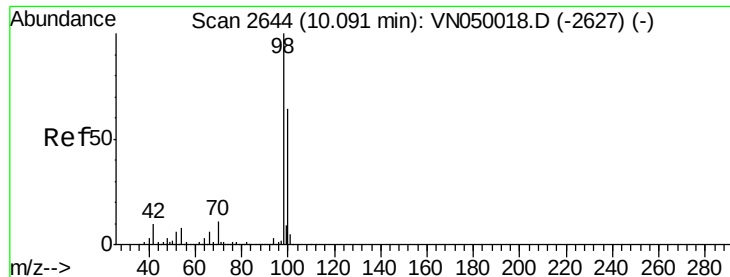
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.5 | 80.7  | 121.1 |
| 192     | 22.1  | 17.8  | 26.6  |



#43  
 Isopropyl Acetate  
 Concen: 19.59 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.00 min  
 Lab File: VN050184.D  
 Acq: 30 Jul 2018 13:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.8  | 15.8  | 23.6# |
| 87      | 10.1  | 10.3  | 15.5# |

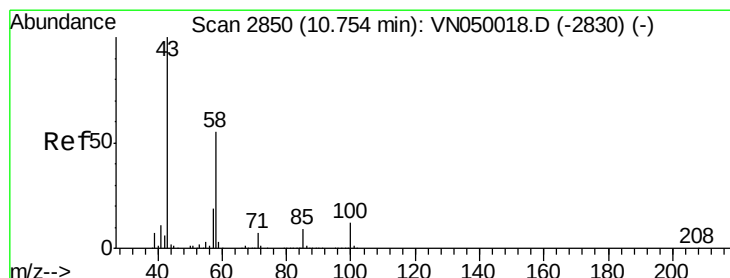
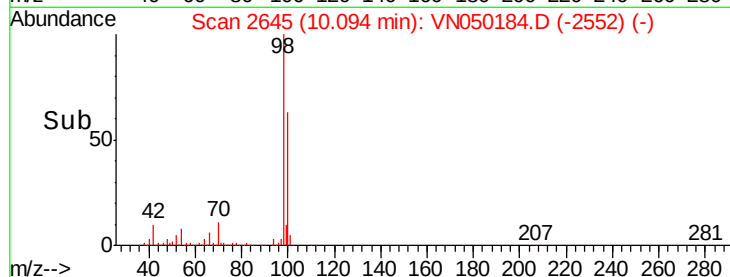
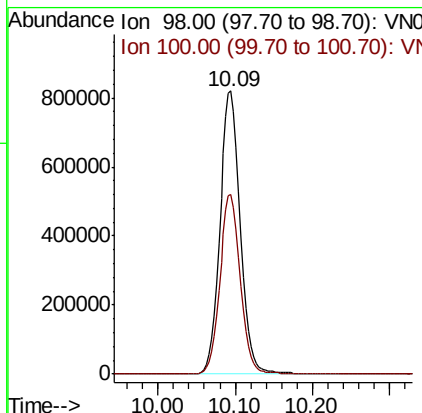
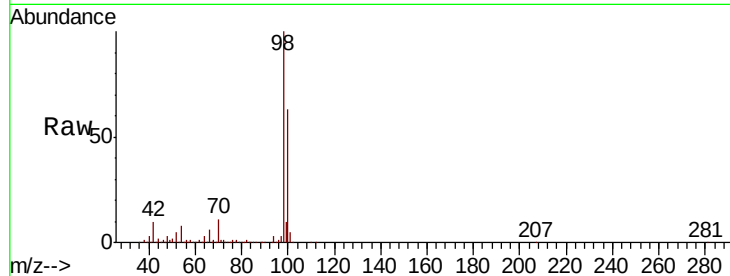




#50  
Toluene-d8  
Concen: 45.26 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN050184.D  
Acq: 30 Jul 2018 13:54

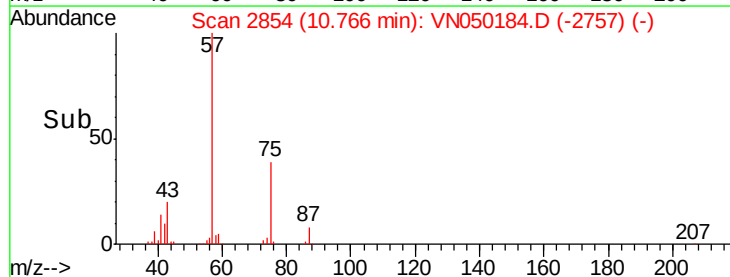
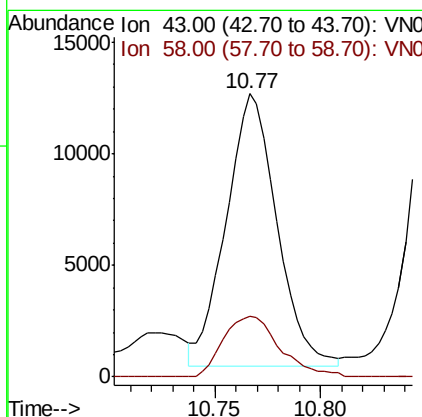
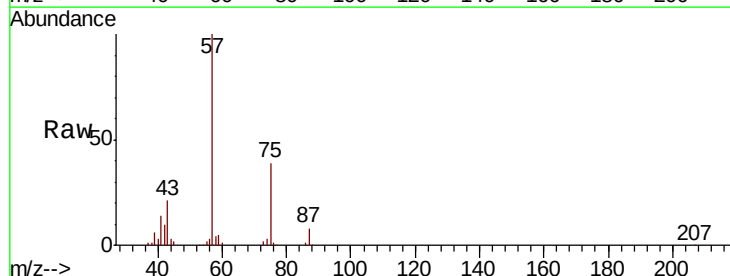
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111570ZHE#04

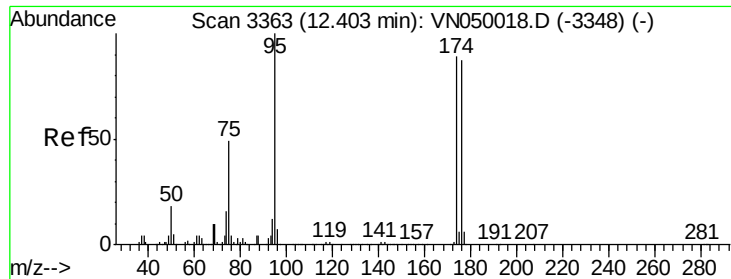
Tot Ion: 98 Resp: 1505998  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.7 76.1



#59  
2-Hexanone  
Concen: 8.35 ug/l  
RT: 10.77 min Scan# 2854  
Delta R.T. 0.01 min  
Lab File: VN050184.D  
Acq: 30 Jul 2018 13:54

Tgt Ion: 43 Resp: 20388  
Ion Ratio Lower Upper  
43 100  
58 24.8 27.6 82.7#

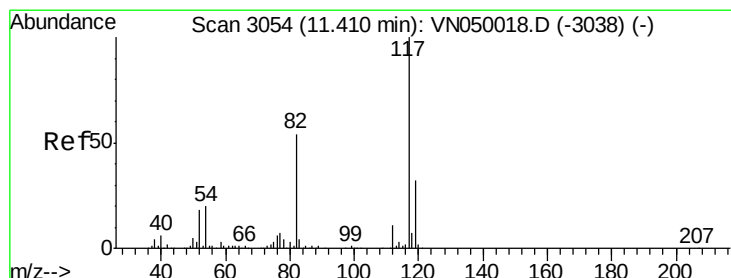
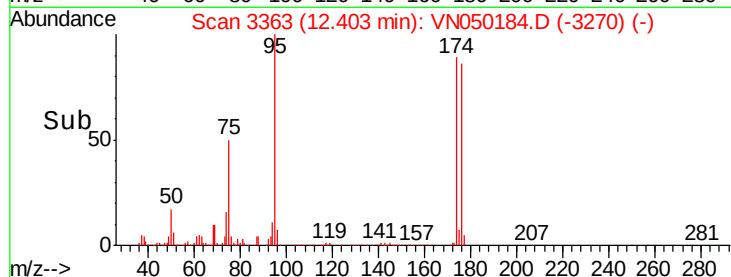
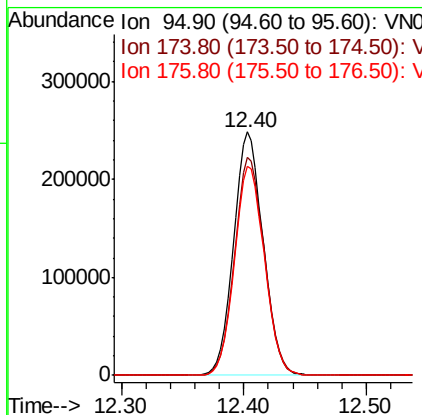
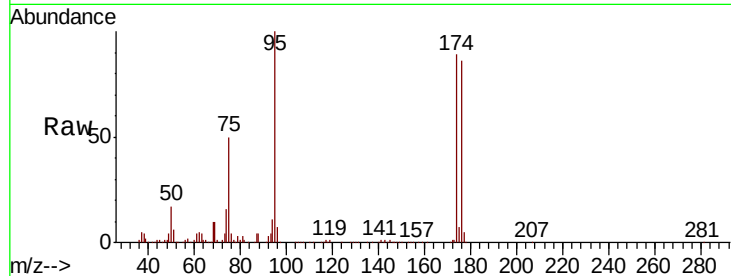




#62  
4-Bromofluorobenzene  
Concen: 37.97 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN050184.D  
Acq: 30 Jul 2018 13:54

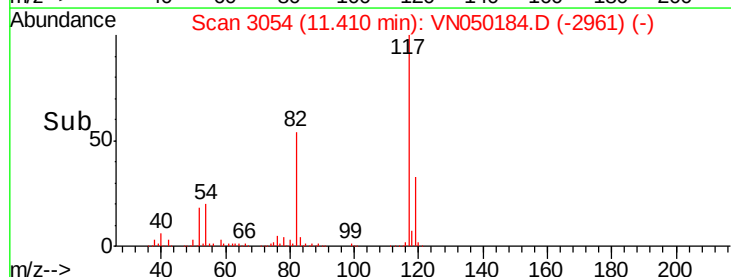
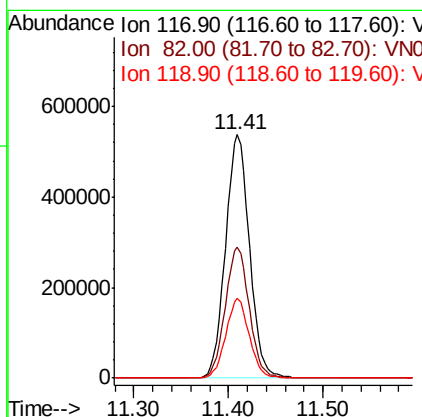
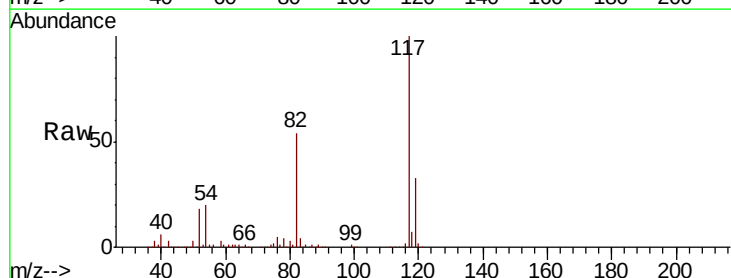
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111570ZHE#04

Tot Ion: 95 Resp: 415985  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 178.2  
176 87.1 0.0 173.4

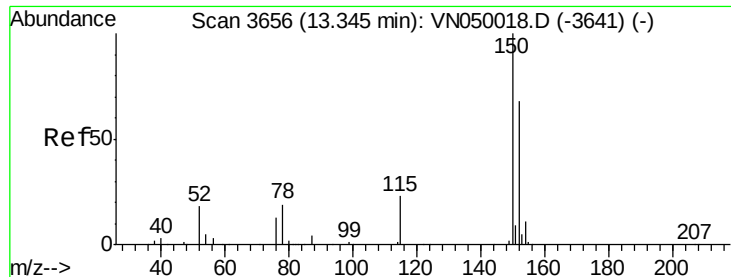


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050184.D  
Acq: 30 Jul 2018 13:54

Tgt Ion: 117 Resp: 947599  
Ion Ratio Lower Upper  
117 100  
82 53.7 43.7 65.5  
119 32.5 26.1 39.1







#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050184.D

Acq: 30 Jul 2018 13:54

Instrument :

MSVOA\_N

ClientSampleId :

PB111570ZHE#04

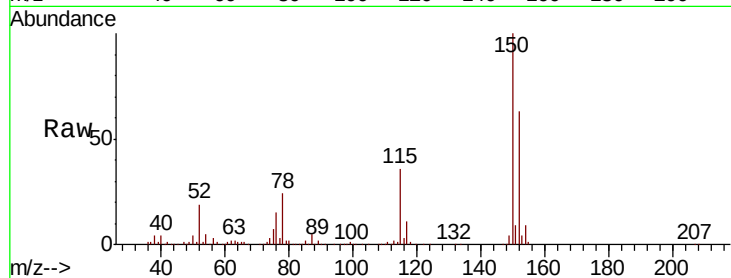
Tot Ion:152 Resp: 325256

Ion Ratio Lower Upper

152 100

115 57.4 27.8 83.3

150 157.1 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

