

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\  
 Data File : VN050738.D  
 Acq On : 17 Aug 2018 18:31  
 Operator : MD\SY  
 Sample : PB112140ZHE#05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112140ZHE#05

Quant Time: Aug 18 01:17:19 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 14 08:07:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 591006   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1011610  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 871236   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 319113   | 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   | 416369   | 55.89 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.78% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 387590   | 47.99 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1369712  | 45.06 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.12%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 383154   | 38.16 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.32%  |          |

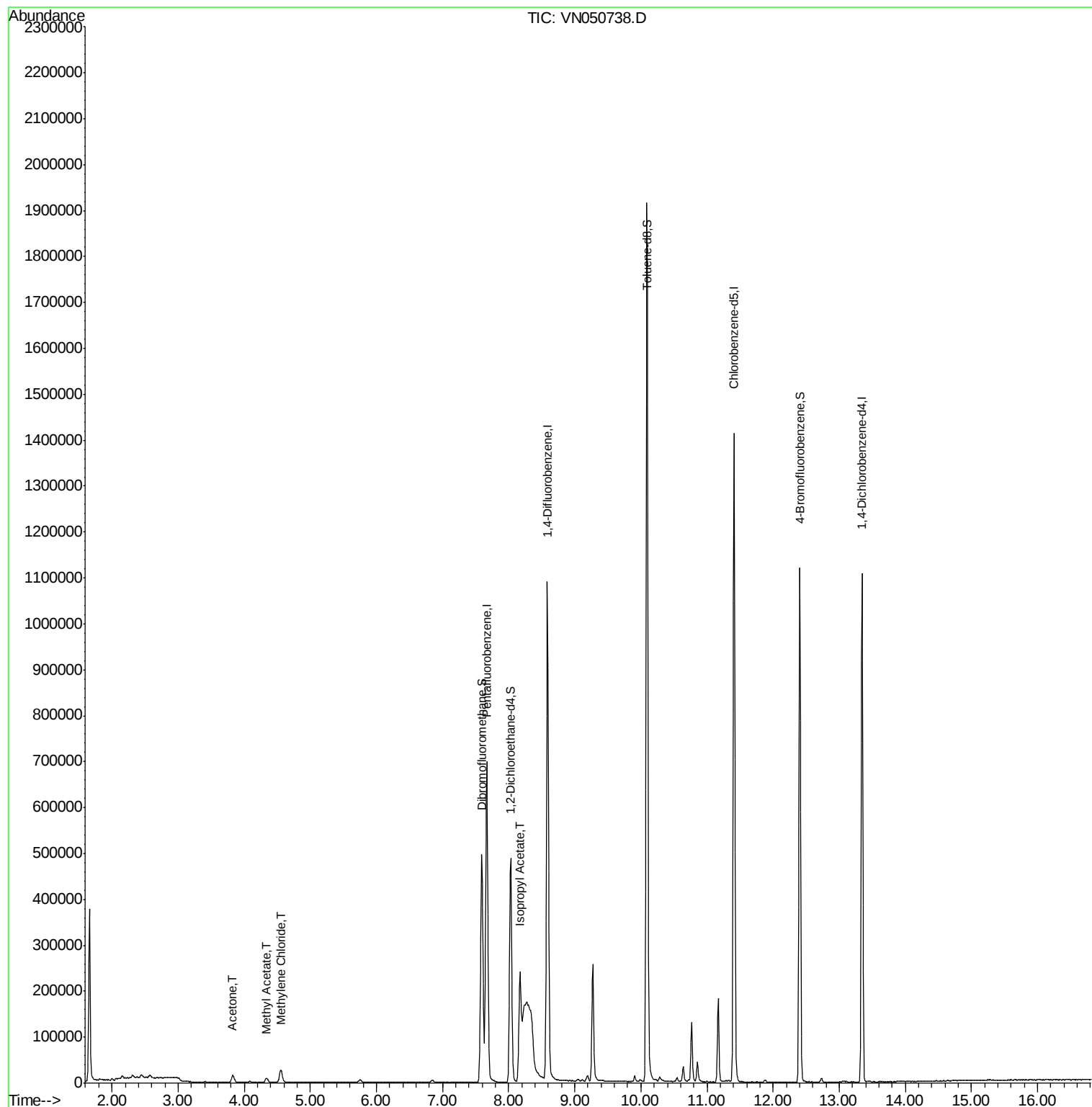
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.82 | 43   | 26958    | 13.12 | ug/l  | 92     |
| 18) Methyl Acetate     | 4.34 | 43   | 17793    | 2.45  | ug/l  | # 73   |
| 20) Methylene Chloride | 4.56 | 84   | 21092    | 1.75  | ug/l  | 97     |
| 43) Isopropyl Acetate  | 8.17 | 43   | 304332   | 26.23 | ug/l  | 93     |

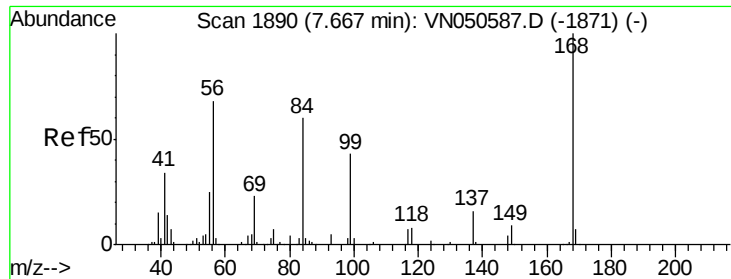
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN081718\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N081418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 14 08:07:08 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: VN050738.D

Acq: 17 Aug 2018 18:31

Instrument :

MSVOA\_N

ClientSampleId :

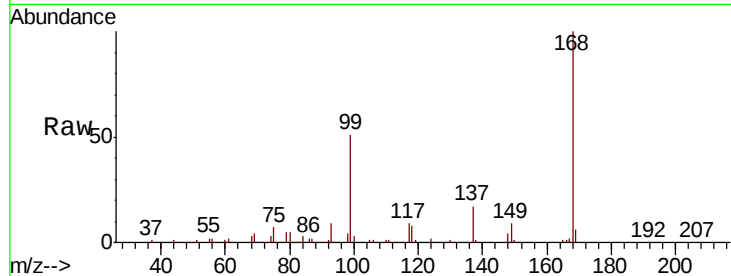
PB112140ZHE#05

Tot Ion:168 Resp: 591006

Ion Ratio Lower Upper

168 100

99 51.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

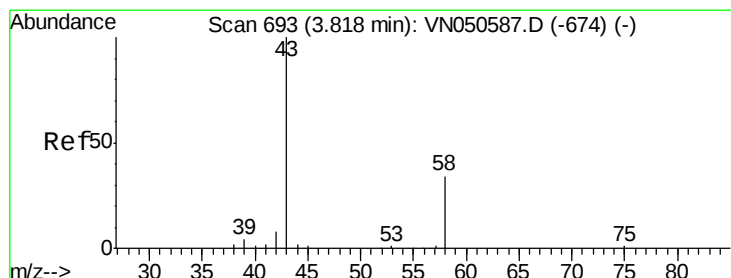
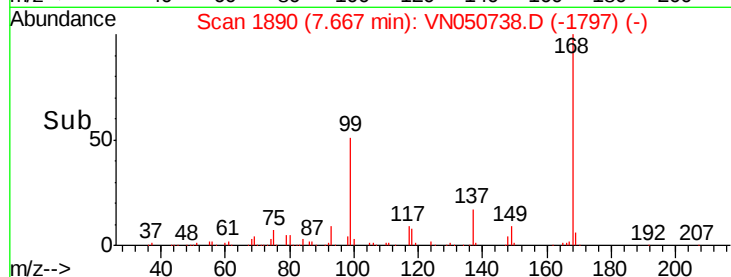
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 13.12 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050738.D

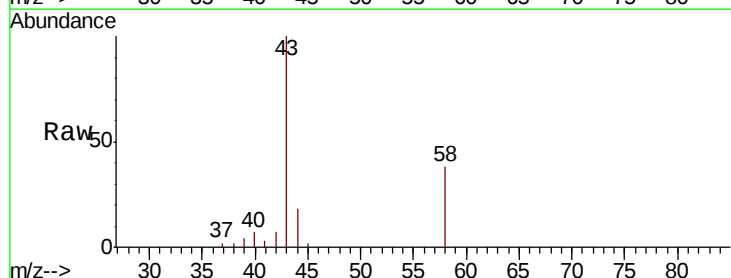
Acq: 17 Aug 2018 18:31

Tgt Ion: 43 Resp: 26958

Ion Ratio Lower Upper

43 100

58 38.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

10000

8000

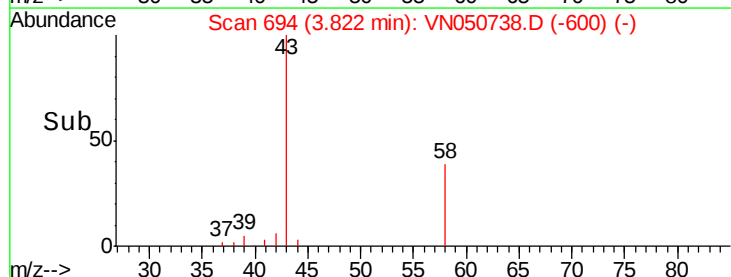
6000

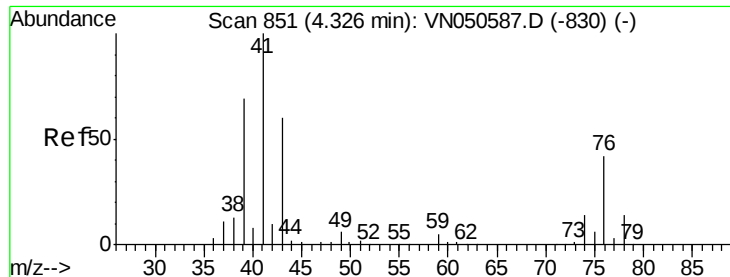
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2000

0

Time-->

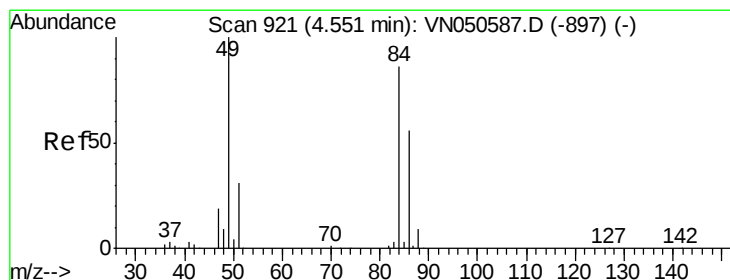
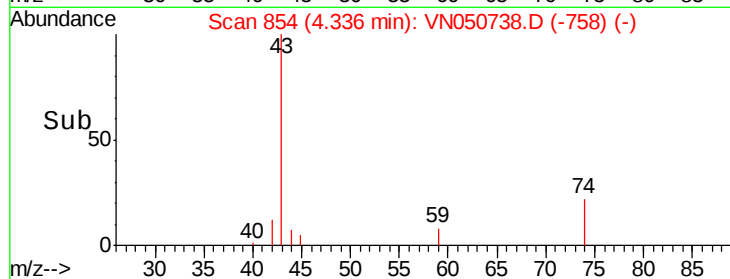
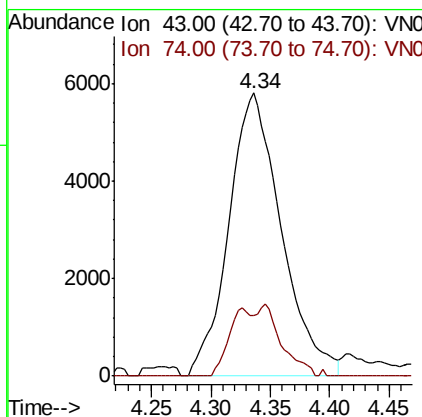
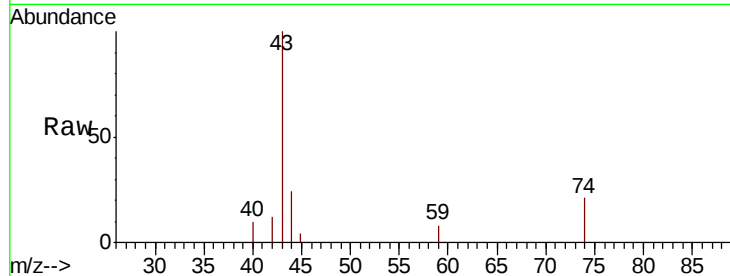




#18  
Methyl Acetate  
Concen: 2.45 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN050738.D  
Acq: 17 Aug 2018 18:31

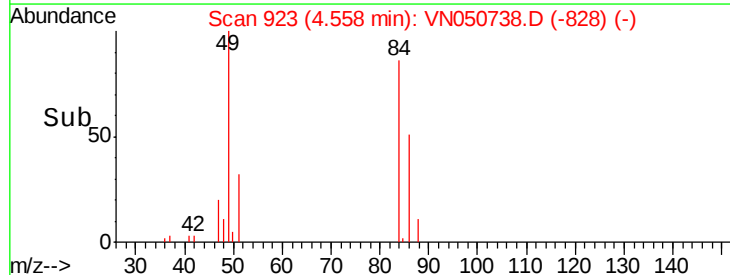
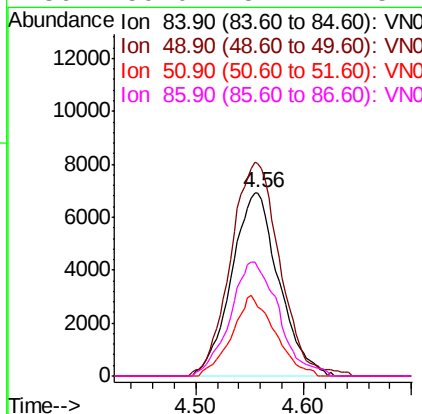
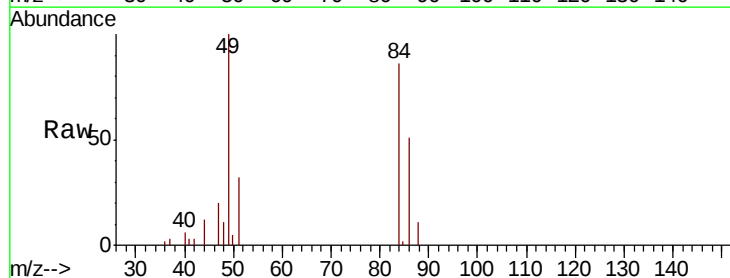
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112140ZHE#05

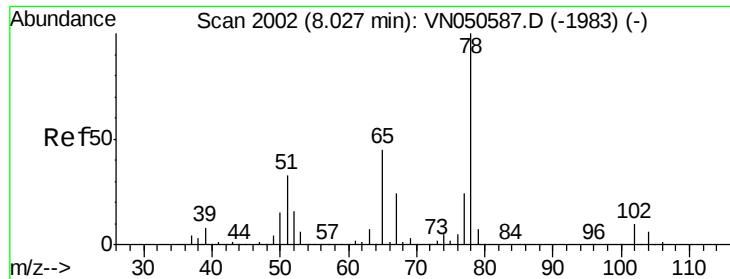
Tot Ion: 43 Resp: 17793  
Ion Ratio Lower Upper  
43 100  
74 11.0 19.7 29.5#



#20  
Methylene Chloride  
Concen: 1.75 ug/l  
RT: 4.56 min Scan# 923  
Delta R.T. 0.01 min  
Lab File: VN050738.D  
Acq: 17 Aug 2018 18:31

Tgt Ion: 84 Resp: 21092  
Ion Ratio Lower Upper  
84 100  
49 116.0 92.6 138.8  
51 37.6 28.6 43.0  
86 59.0 52.2 78.2

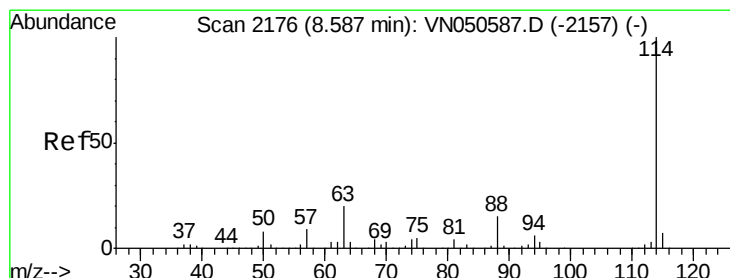
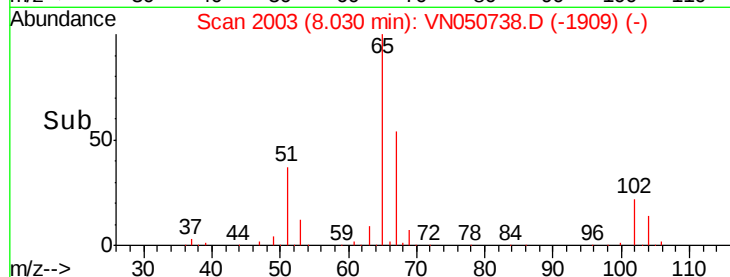
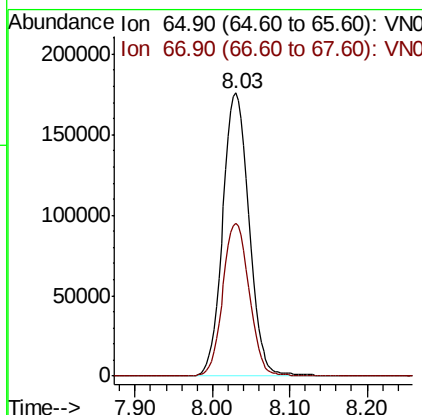
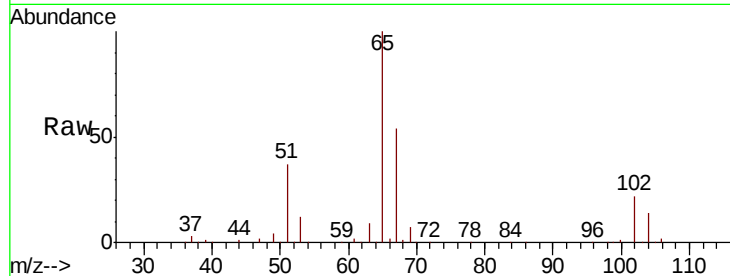




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.89 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN050738.D  
 Acq: 17 Aug 2018 18:31

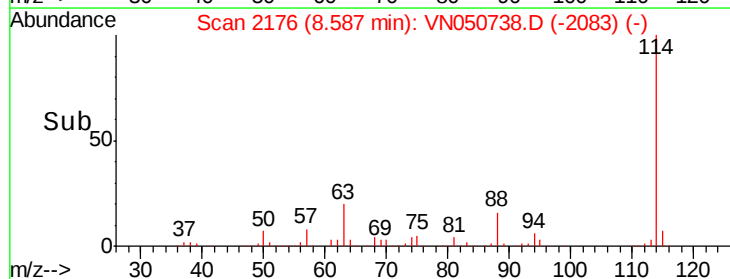
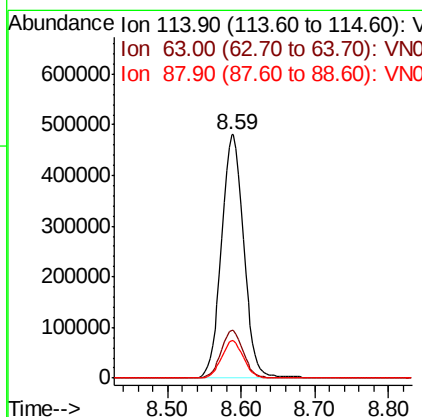
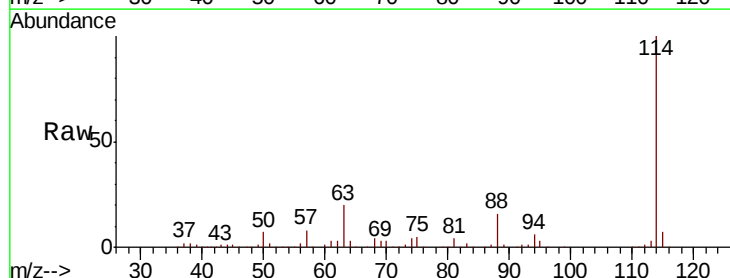
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112140ZHE#05

Tot Ion: 65 Resp: 416369  
 Ion Ratio Lower Upper  
 65 100  
 67 54.2 0.0 109.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN050738.D  
 Acq: 17 Aug 2018 18:31

Tgt Ion: 114 Resp: 1011610  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 40.0  
 88 15.6 0.0 30.8

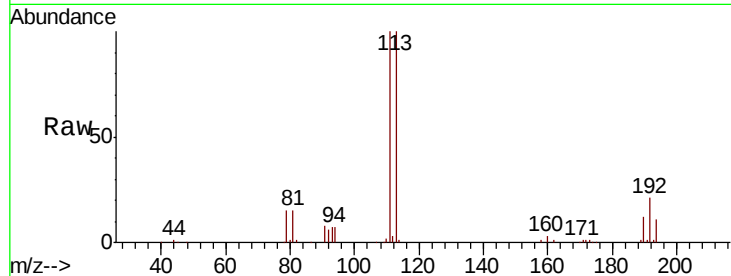




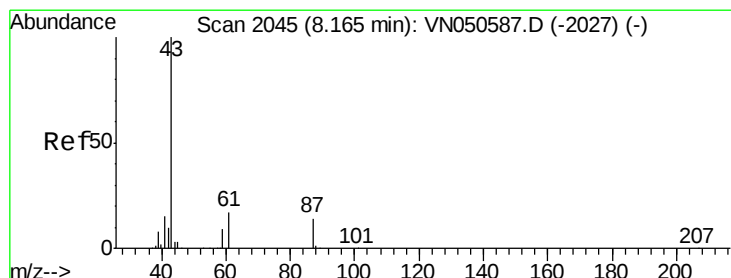
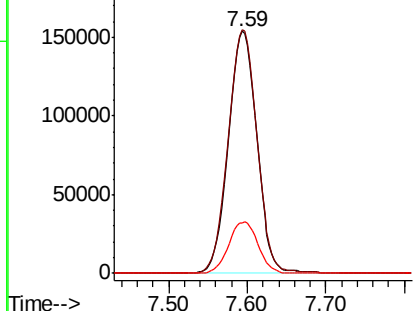
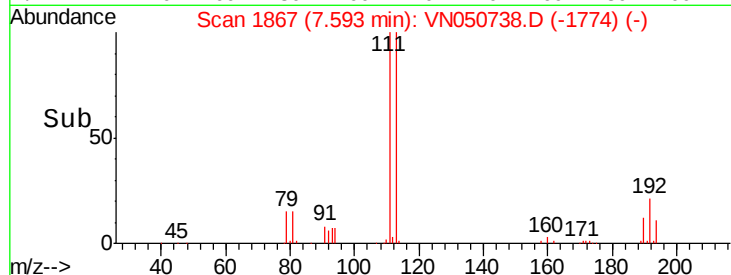
#35  
 Dibromofluoromethane  
 Concen: 47.99 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN050738.D  
 Acq: 17 Aug 2018 18:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112140ZHE#05

Tot Ion:113 Resp: 387590  
 Ion Ratio Lower Upper  
 113 100  
 111 101.4 81.0 121.6  
 192 21.9 17.6 26.4

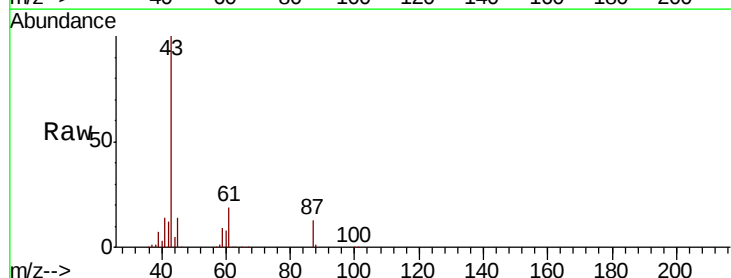


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

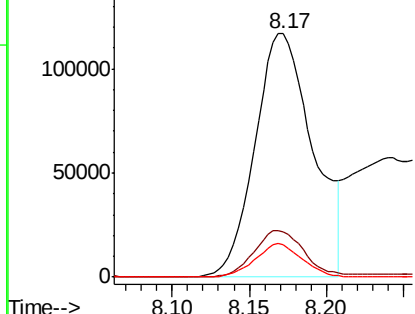
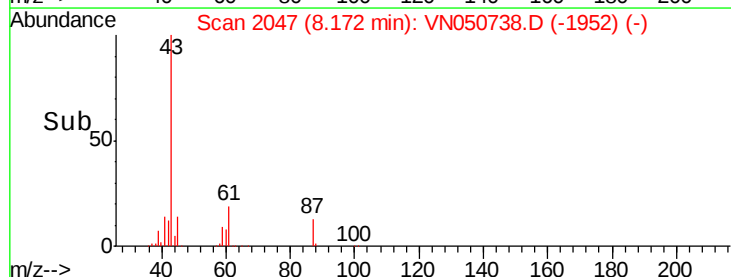


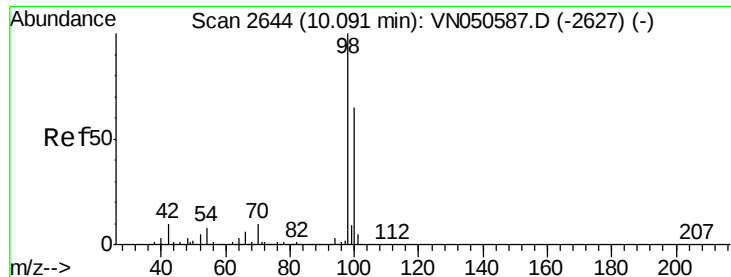
#43  
 Isopropyl Acetate  
 Concen: 26.23 ug/l  
 RT: 8.17 min Scan# 2047  
 Delta R.T. 0.01 min  
 Lab File: VN050738.D  
 Acq: 17 Aug 2018 18:31

Tgt Ion: 43 Resp: 304332  
 Ion Ratio Lower Upper  
 43 100  
 61 17.0 16.2 24.2  
 87 11.2 10.9 16.3



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





#50

Toluene-d8

Concen: 45.06 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050738.D

Acq: 17 Aug 2018 18:31

Instrument :

MSVOA\_N

ClientSampleId :

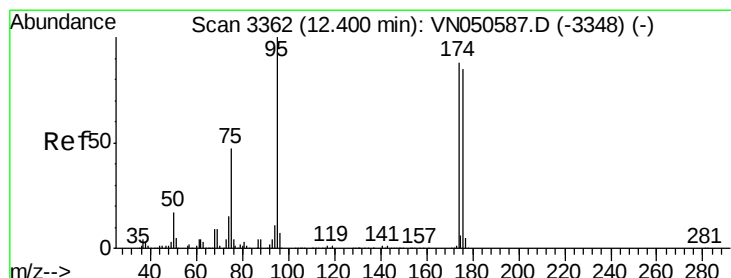
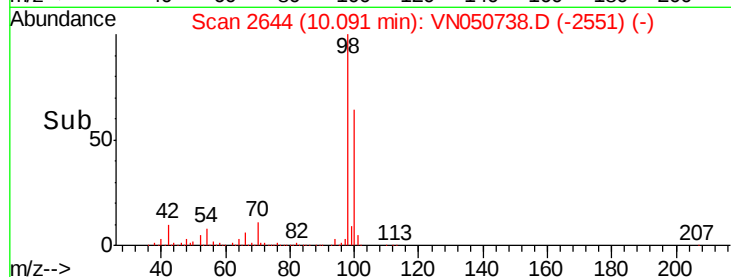
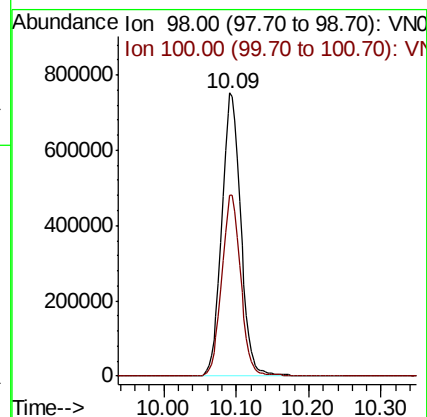
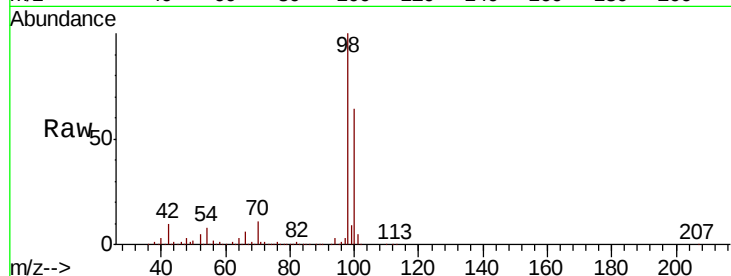
PB112140ZHE#05

Tot Ion: 98 Resp: 1369712

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 38.16 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050738.D

Acq: 17 Aug 2018 18:31

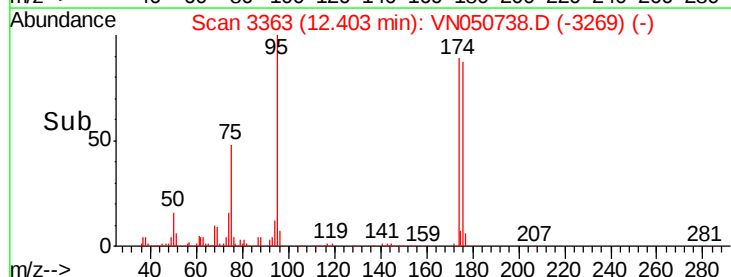
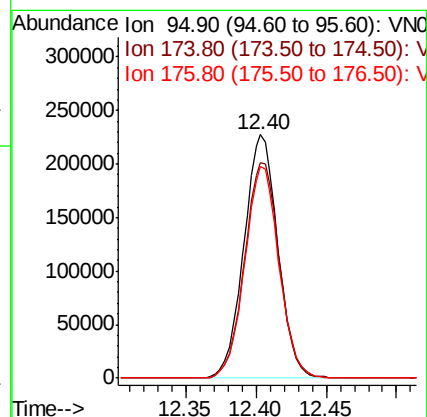
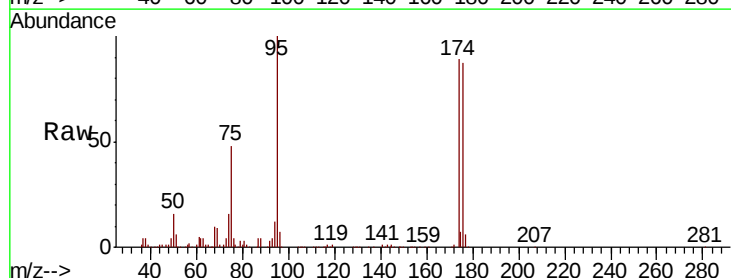
Tgt Ion: 95 Resp: 383154

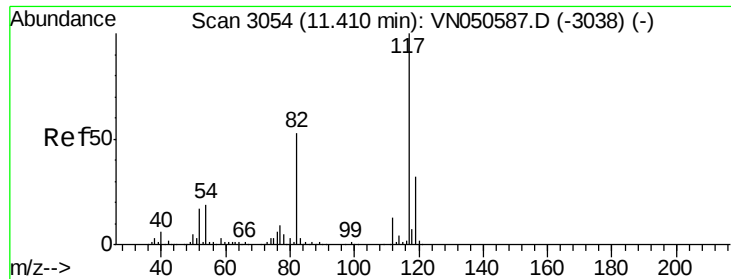
Ion Ratio Lower Upper

95 100

174 90.8 0.0 177.8

176 87.7 0.0 175.0

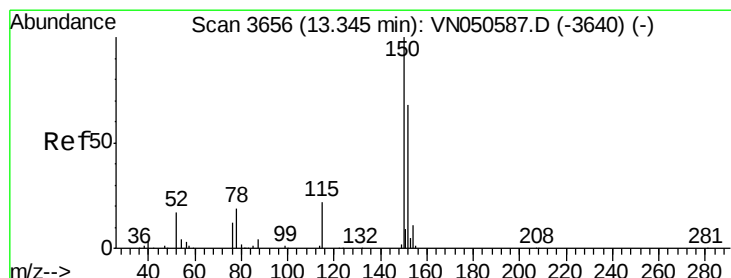
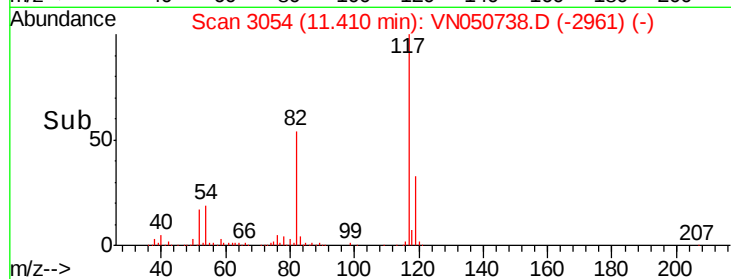
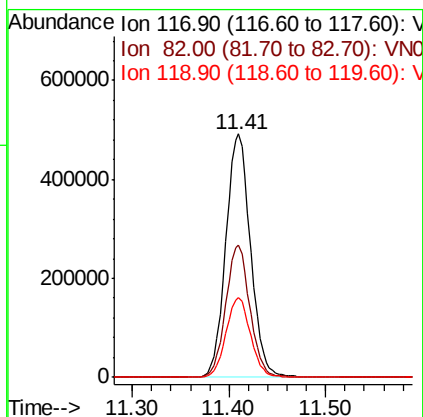
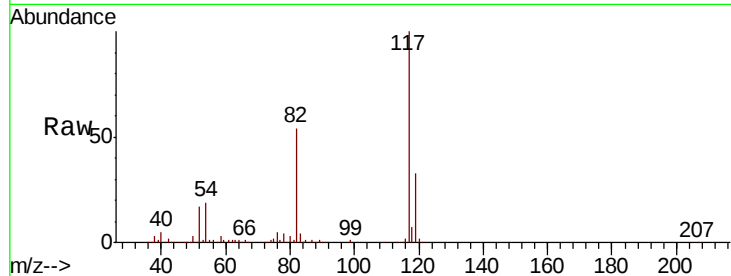




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050738.D  
Acq: 17 Aug 2018 18:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112140ZHE#05

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 54.4  | 42.4  | 63.6  |
| 119     | 32.7  | 25.8  | 38.8  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN050738.D  
Acq: 17 Aug 2018 18:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.8  | 28.1  | 84.2  |
| 150     | 154.8 | 0.0   | 347.8 |

