

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081618\  
 Data File : VN050708.D  
 Acq On : 16 Aug 2018 18:00  
 Operator : MD\SY  
 Sample : J4269-04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AU-06-081518-B

Quant Time: Aug 17 05:03:11 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  | 640249   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1091302  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 914460   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 326752   | 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   | 449968   | 55.76 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 111.52% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 413483   | 47.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 94.92%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1481562  | 45.18 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 90.36%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 396886   | 36.64 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 73.28%  |          |

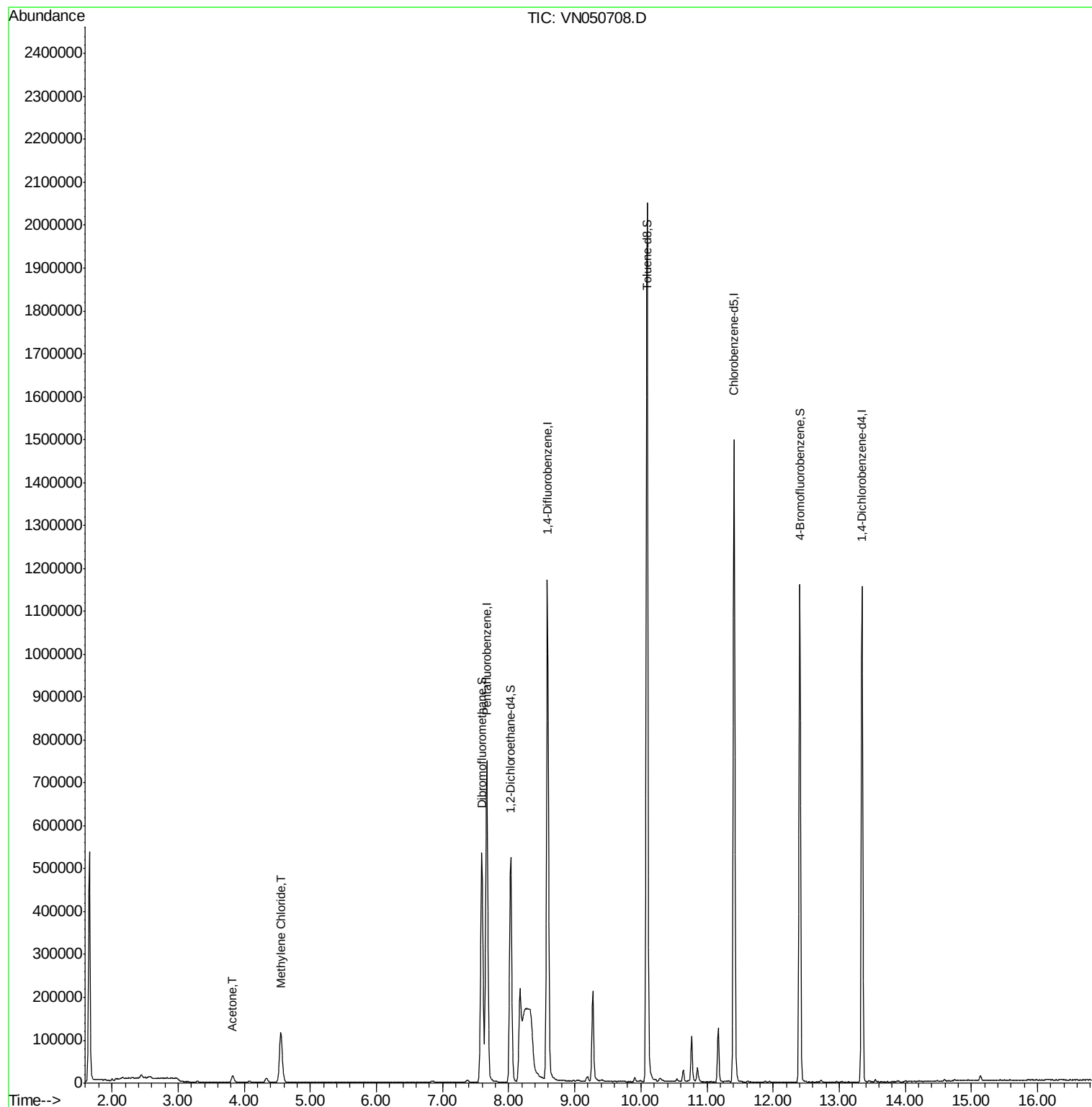
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.83 | 43   | 26320    | 11.68 | ug/l  | 98     |
| 20) Methylene Chloride | 4.55 | 84   | 93708    | 11.23 | ug/l  | 97     |

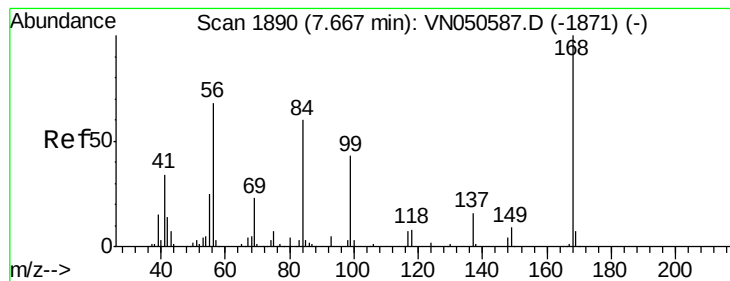
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA\_N

ClientSampleId :

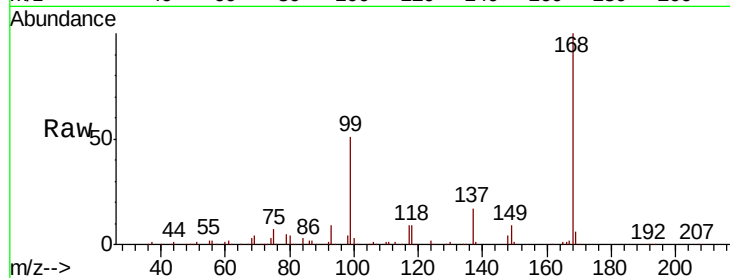
AU-06-081518-B

Tot Ion:168 Resp: 640249

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050708.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN050708.D (-1797) (-)

7.67

250000

200000

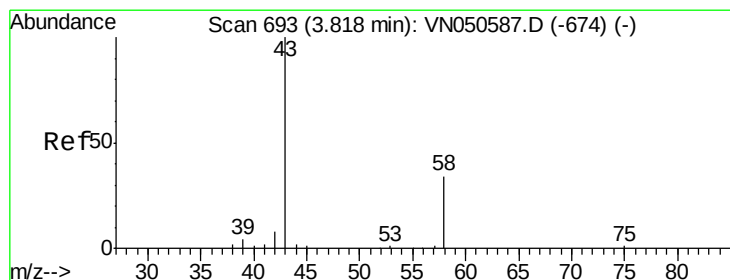
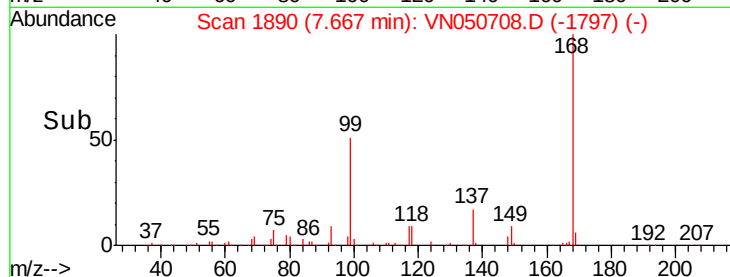
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 11.68 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050708.D

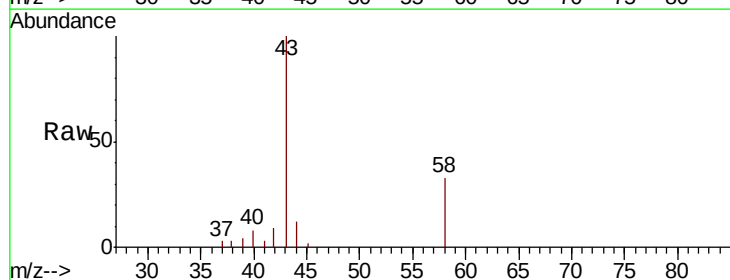
Acq: 16 Aug 2018 18:00

Tgt Ion: 43 Resp: 26320

Ion Ratio Lower Upper

43 100

58 32.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050708.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050708.D (-600) (-)

3.83

10000

8000

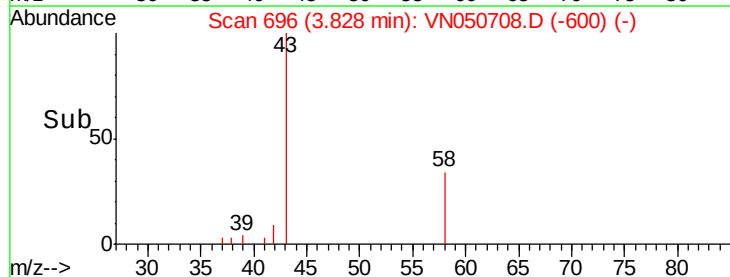
6000

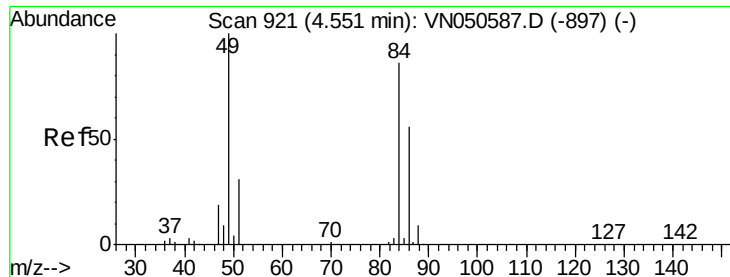
4000

2000

0

Time-->

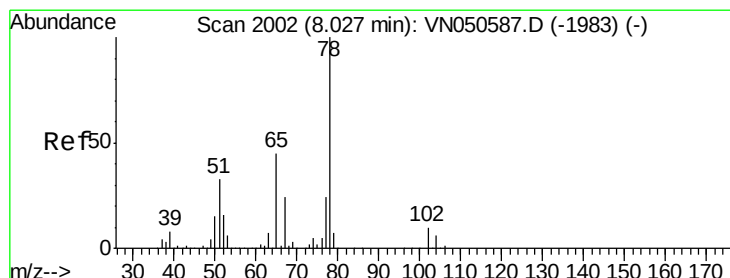
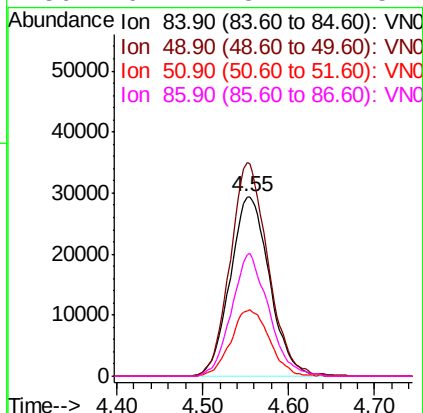
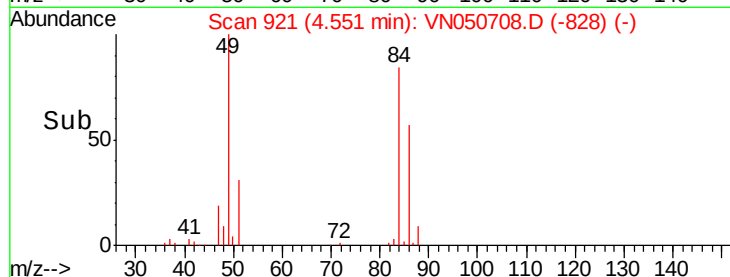
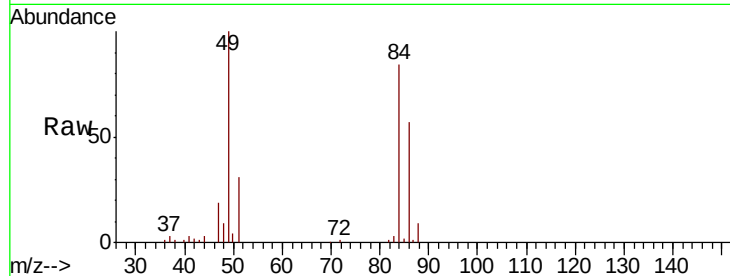




#20  
Methylene Chloride  
Concen: 11.23 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN050708.D  
Acq: 16 Aug 2018 18:00

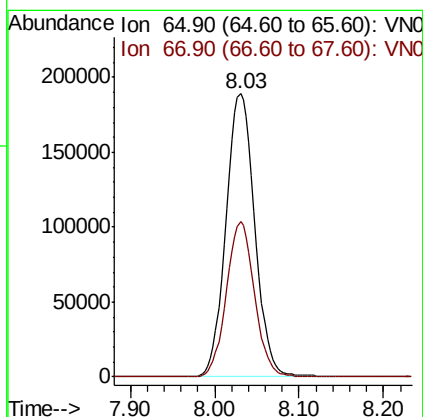
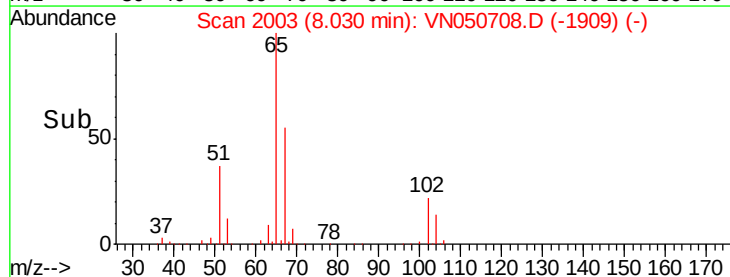
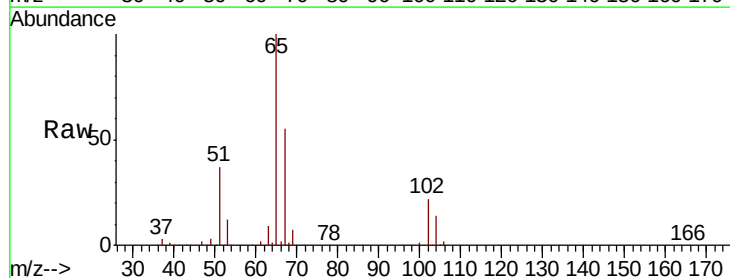
Instrument :  
MSVOA\_N  
ClientSampleId :  
AU-06-081518-B

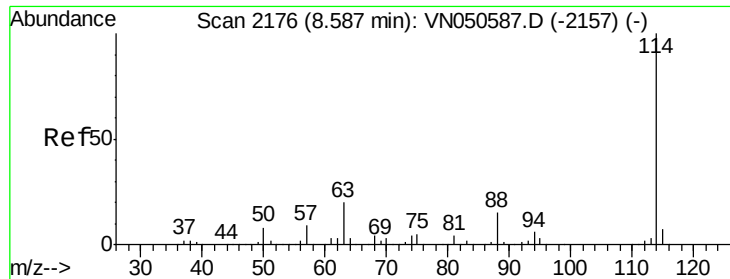
Tot Ion: 84 Resp: 93708  
Ion Ratio Lower Upper  
84 100  
49 119.1 92.6 138.8  
51 36.8 28.6 43.0  
86 67.7 52.2 78.2



#33  
1,2-Dichloroethane-d4  
Concen: 55.76 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN050708.D  
Acq: 16 Aug 2018 18:00

Tgt Ion: 65 Resp: 449968  
Ion Ratio Lower Upper  
65 100  
67 53.7 0.0 109.8



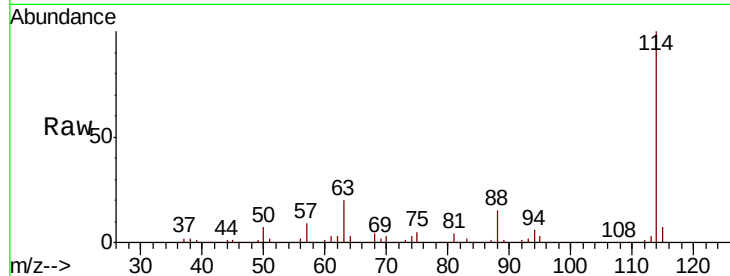


#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN050708.D  
 Acq: 16 Aug 2018 18:00

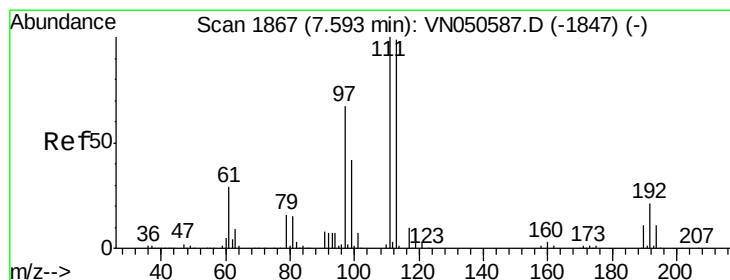
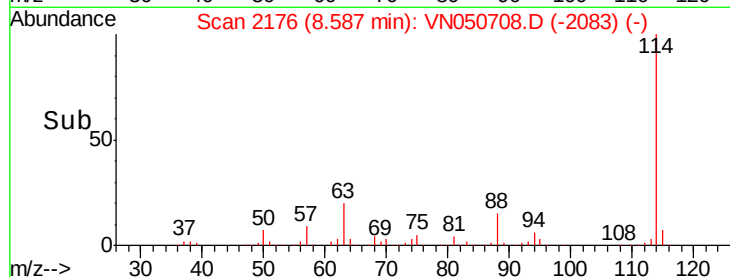
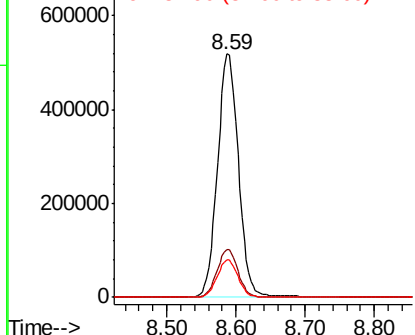
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 AU-06-081518-B

Tot Ion:114 Resp: 1091302

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 19.7  | 0.0   | 40.0  |
| 88  | 15.3  | 0.0   | 30.8  |



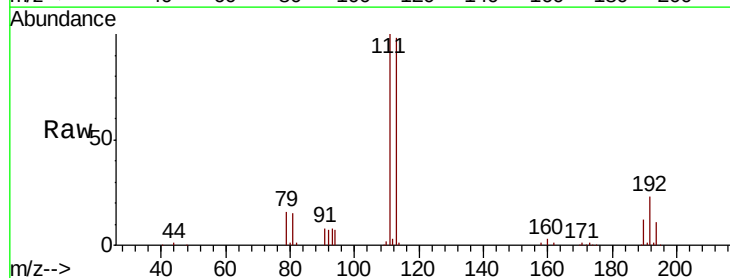
Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VN  
 Ion 87.90 (87.60 to 88.60): VN



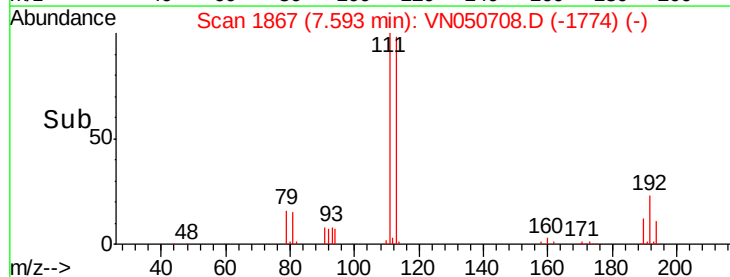
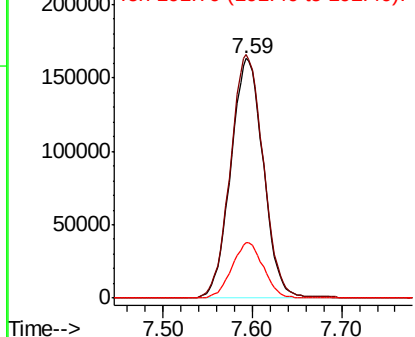
#35  
 Dibromofluoromethane  
 Concen: 47.46 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN050708.D  
 Acq: 16 Aug 2018 18:00

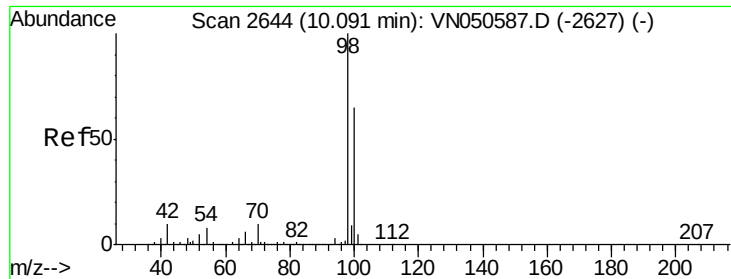
Tgt Ion:113 Resp: 413483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 102.4 | 81.0  | 121.6 |
| 192 | 22.4  | 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





#50

Toluene-d8

Concen: 45.18 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

Instrument :

MSVOA\_N

ClientSampleId :

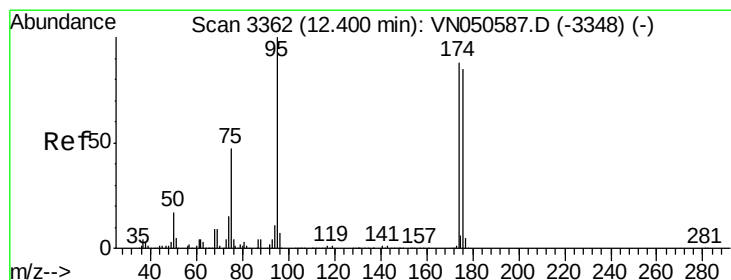
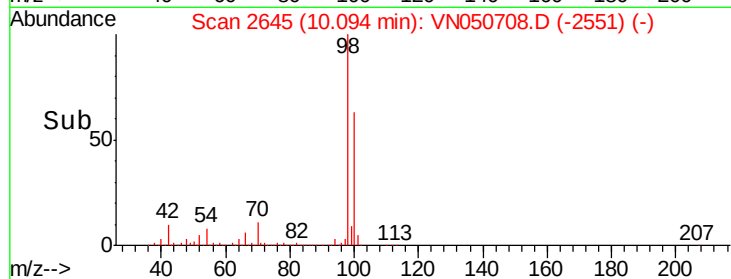
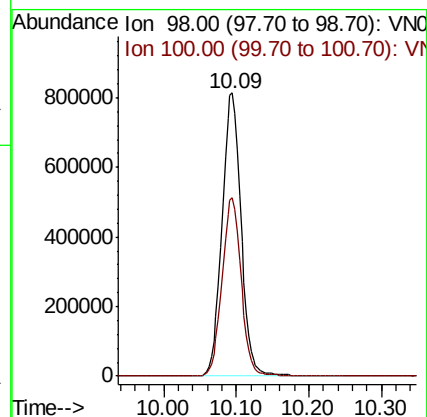
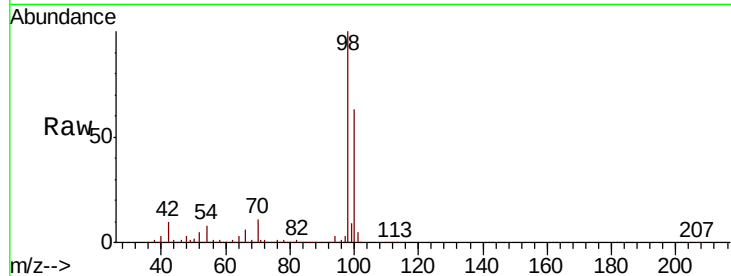
AU-06-081518-B

Tot Ion: 98 Resp: 1481562

Ion Ratio Lower Upper

98 100

100 63.1 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 36.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050708.D

Acq: 16 Aug 2018 18:00

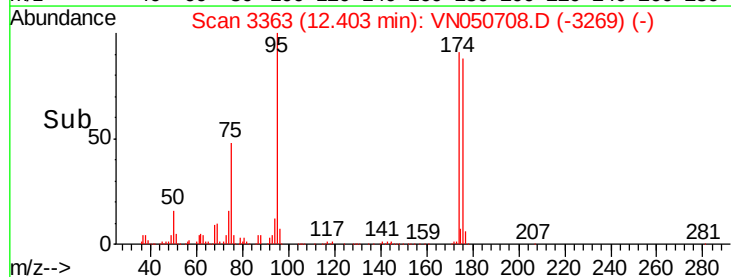
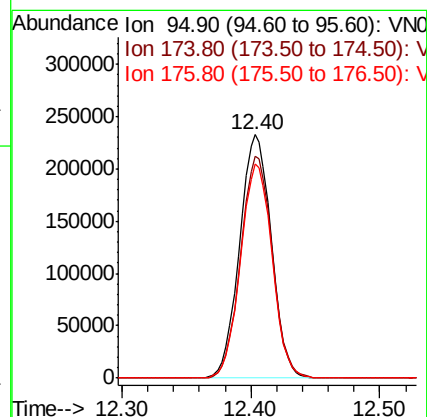
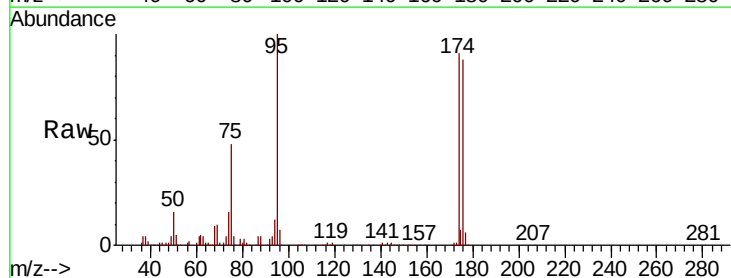
Tgt Ion: 95 Resp: 396886

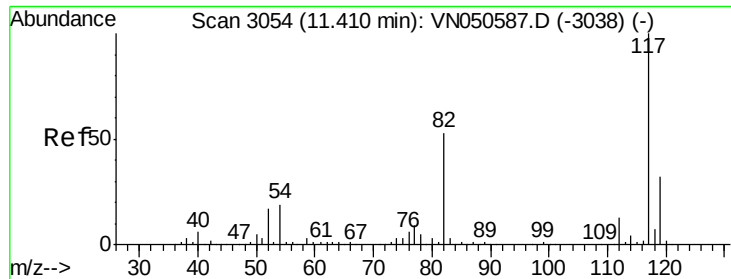
Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.8

176 87.9 0.0 175.0

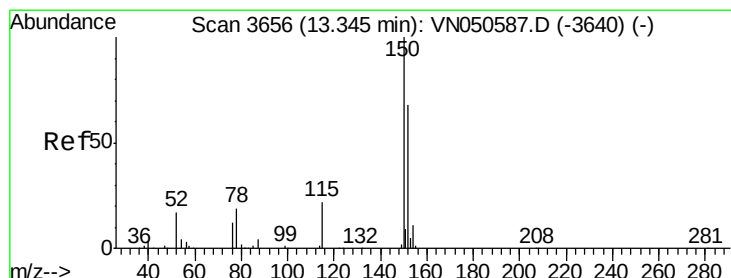
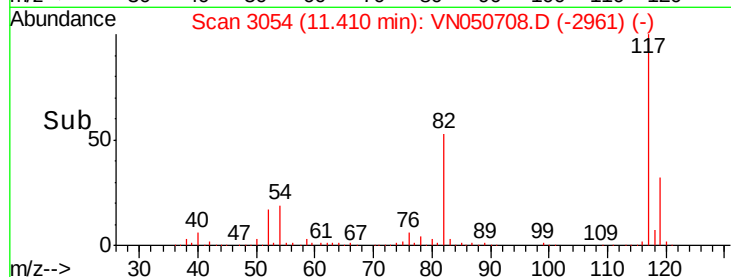
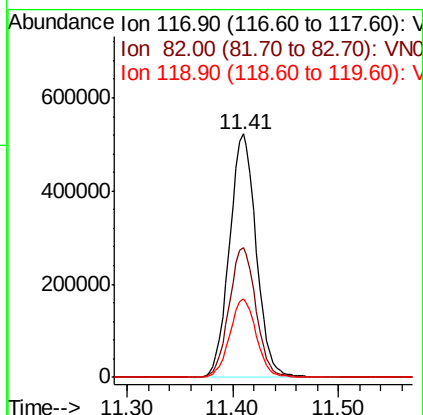
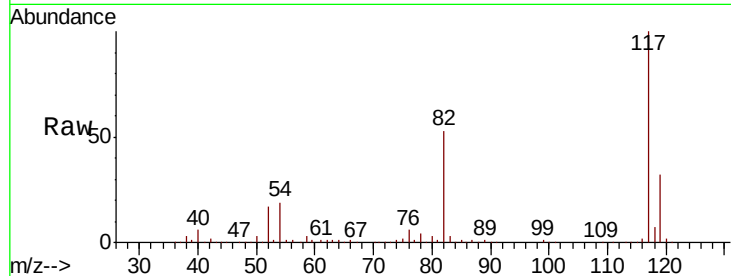




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN050708.D  
Acq: 16 Aug 2018 18:00

Instrument :  
MSVOA\_N  
ClientSampled :  
AU-06-081518-B

Tot Ion:117 Resp: 914460  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.4 63.6  
119 32.4 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: VN050708.D  
Acq: 16 Aug 2018 18:00

Tgt Ion:152 Resp: 326752  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.1 84.2  
150 155.9 0.0 347.8

