

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\  
 Data File : VN052008.D  
 Acq On : 25 Oct 2018 13:35  
 Operator : MD\SY  
 Sample : J5661-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 11 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VB44949

Quant Time: Oct 26 02:08:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102318W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 24 10:12:55 2018  
 Response via : Initial Calibration

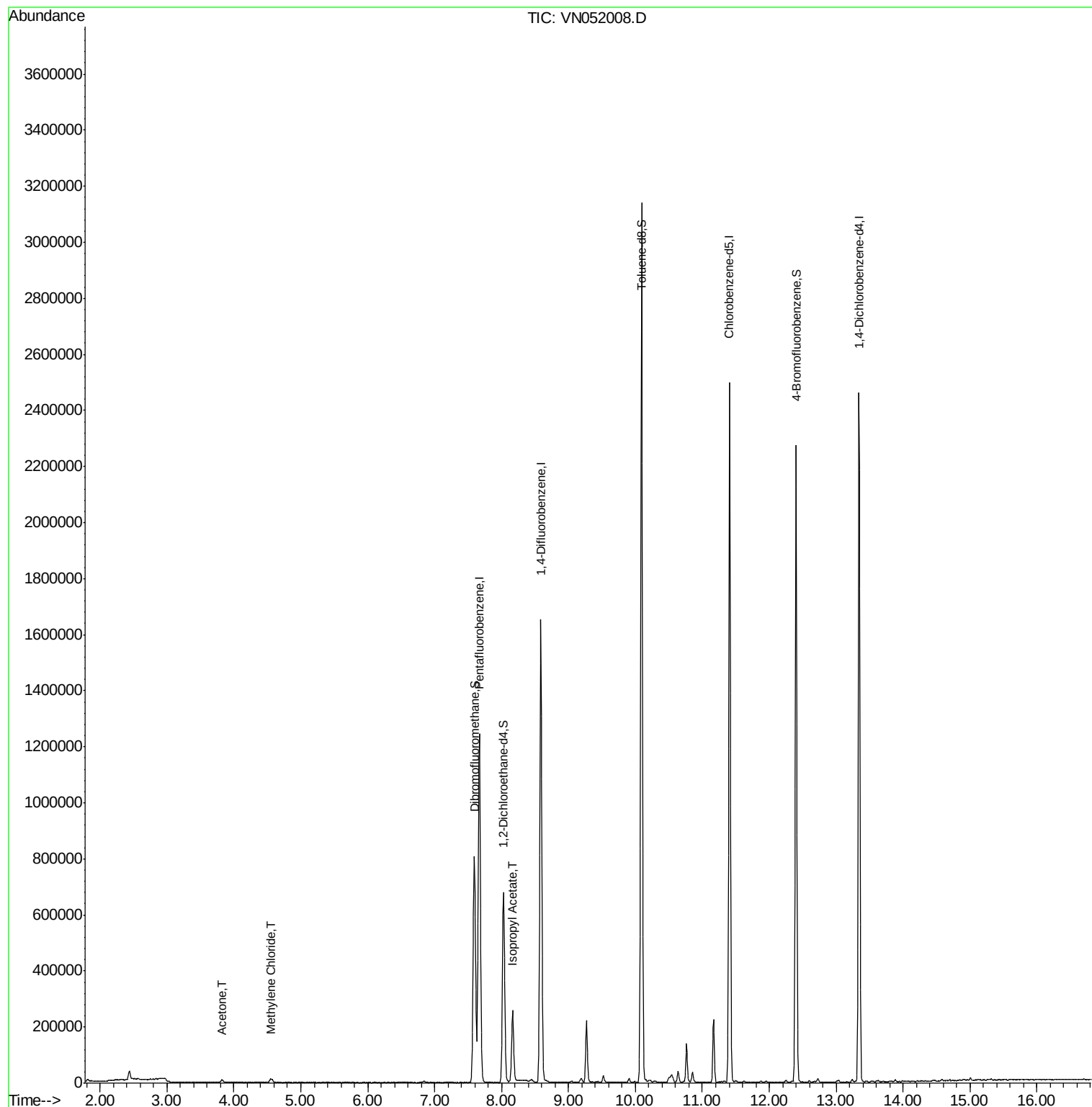
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1120555  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1659437  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1569469  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 718957   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 583147   | 58.43  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 116.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 613438   | 57.93  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 115.86% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2248695  | 58.77  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 117.54% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 718646   | 54.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 109.28% |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 14859    | 9.037  | ug/l    | 91       |
| 20) Methylene Chloride      | 4.55  | 84   | 11305    | 1.172  | ug/l    | 95       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 284435   | 26.681 | ug/l    | 99       |

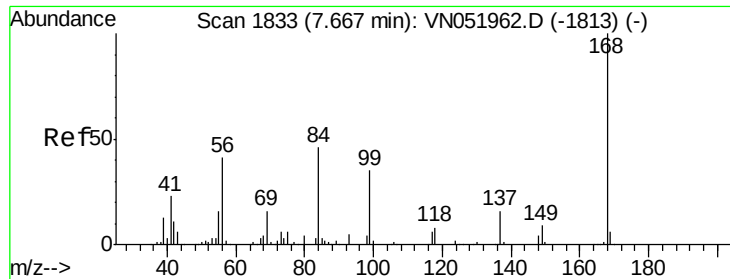
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 24 10:12:55 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052008.D

Acq: 25 Oct 2018 13:35

Instrument :

MSVOA\_N

ClientSampled :

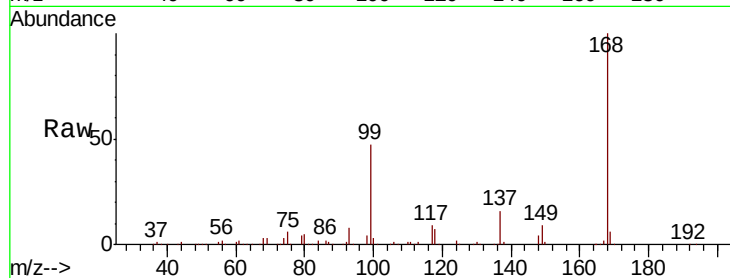
VB44949

Tot Ion:168 Resp: 1120555

Ion Ratio Lower Upper

168 100

99 46.9 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

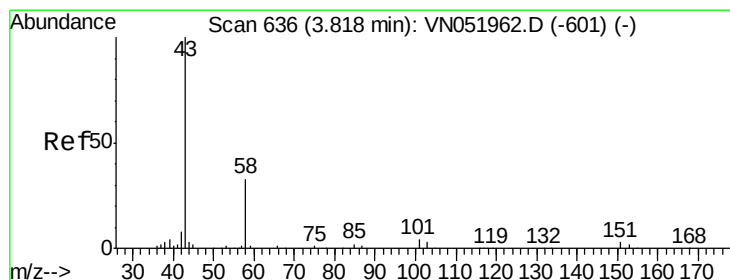
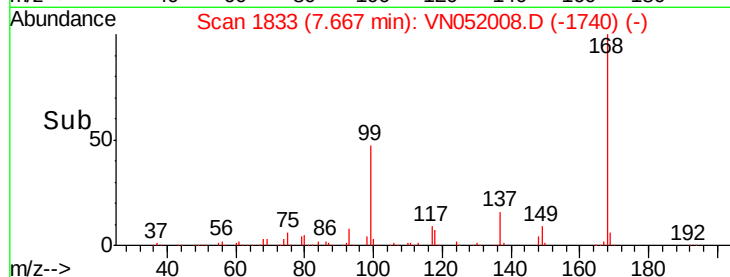
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 9.037 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052008.D

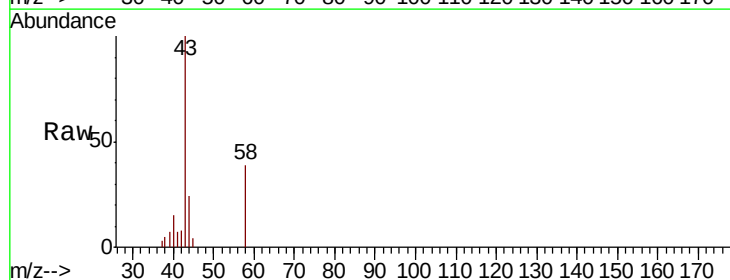
Acq: 25 Oct 2018 13:35

Tgt Ion: 43 Resp: 14859

Ion Ratio Lower Upper

43 100

58 38.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)

3.82

6000

5000

4000

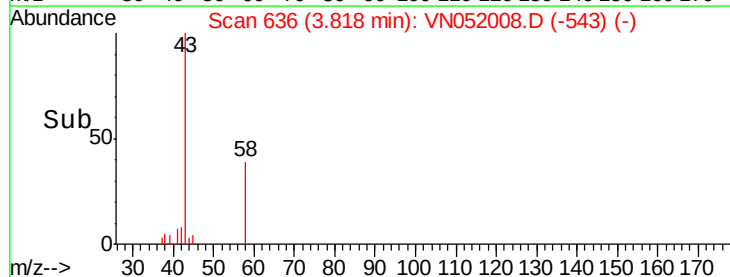
3000

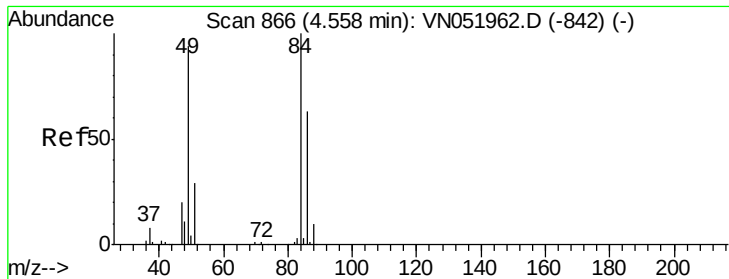
2000

1000

0

Time-->

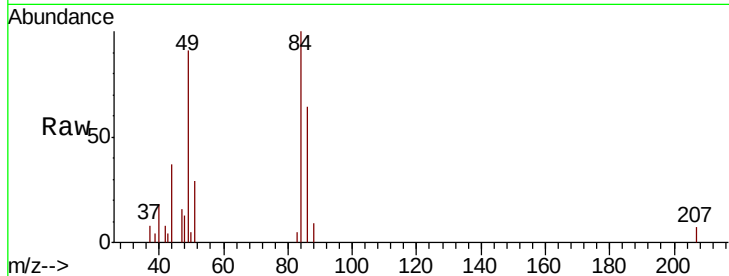




#20  
Methylene Chloride  
Concen: 1.172 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: VN052008.D  
Acq: 25 Oct 2018 13:35

Instrument :  
MSVOA\_N  
ClientSampleId :  
VB44949

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 11305 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 86.6  | 75.4  | 113.0 |
| 51       | 29.0  | 23.1  | 34.7  |
| 86       | 64.1  | 50.2  | 75.4  |



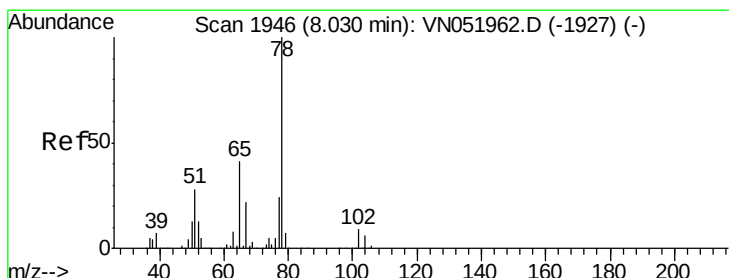
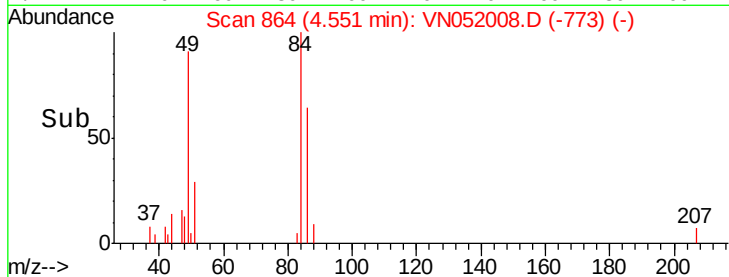
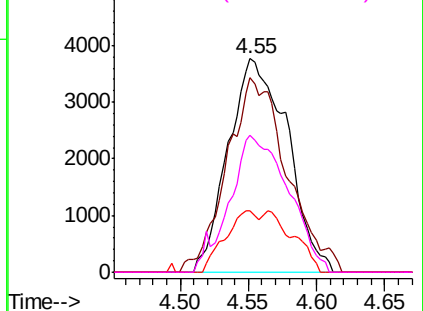
Abundance

Ion 83.90 (83.60 to 84.60): VN051962.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN051962.D (-842) (-)

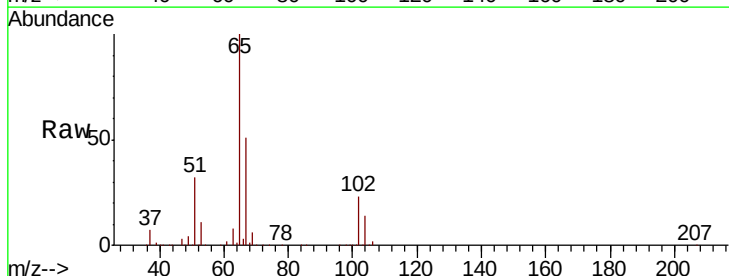
Ion 50.90 (50.60 to 51.60): VN051962.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN051962.D (-842) (-)



#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN052008.D  
Acq: 25 Oct 2018 13:35

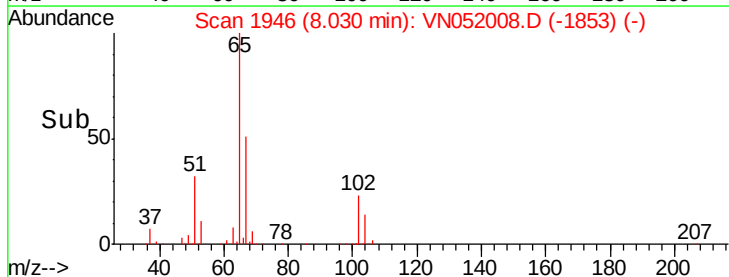
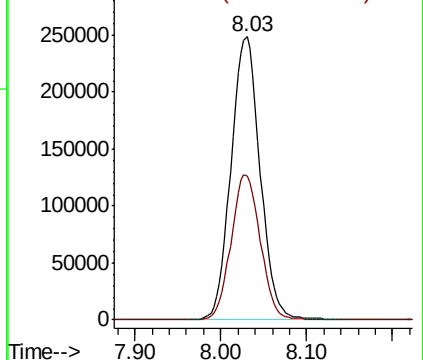
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 65    | Resp: | 583147 |
| Ion      | Ratio | Lower | Upper  |
| 65       | 100   |       |        |
| 67       | 51.8  | 0.0   | 105.8  |

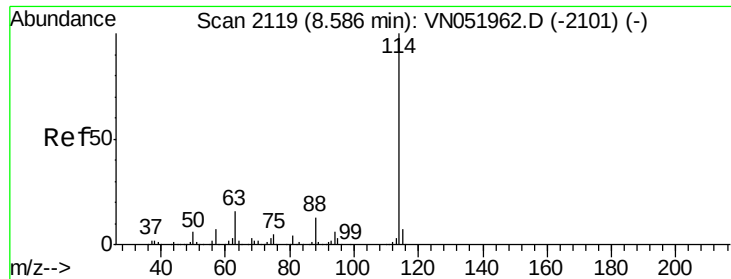


Abundance

Ion 64.90 (64.60 to 65.60): VN051962.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN051962.D (-1927) (-)

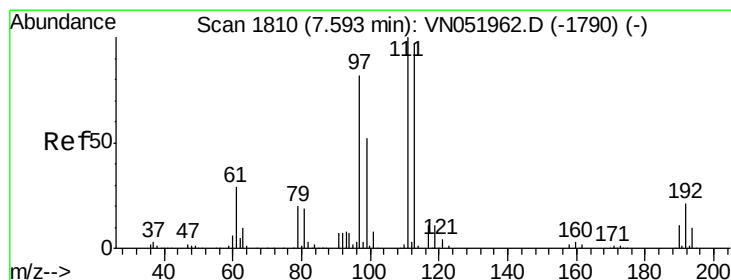
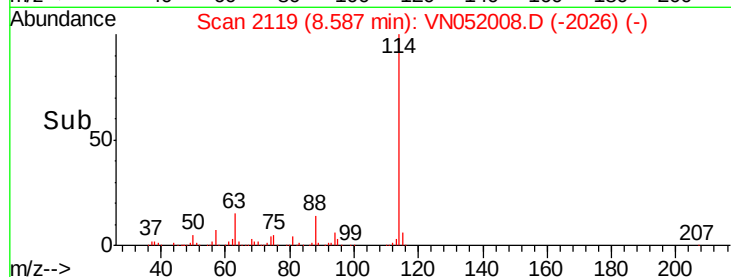
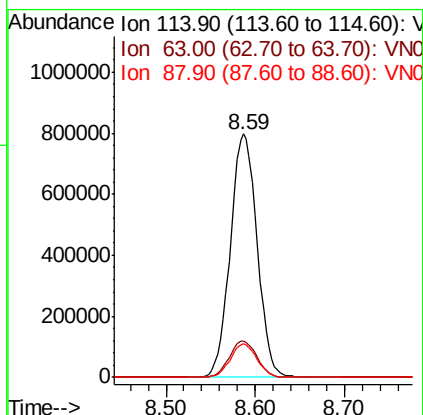
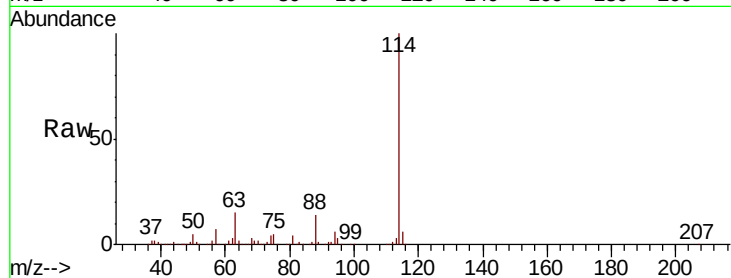




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN052008.D  
Acq: 25 Oct 2018 13:35

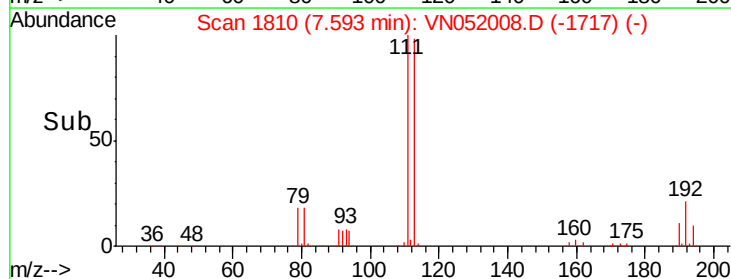
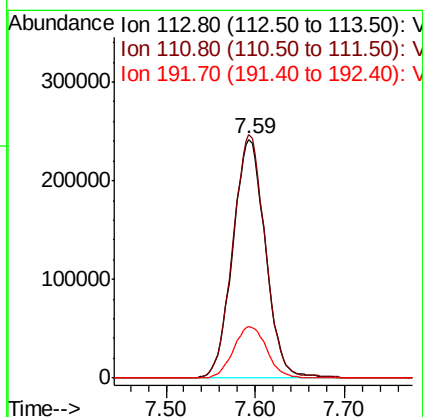
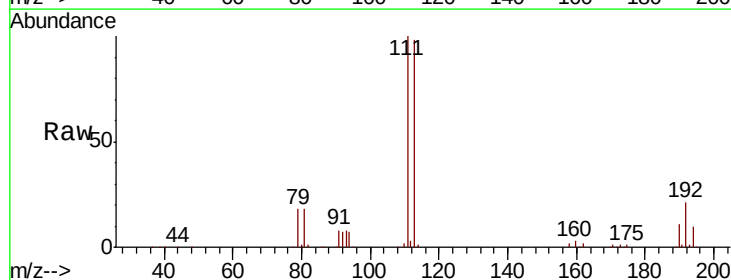
Instrument :  
MSVOA\_N  
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VB44949

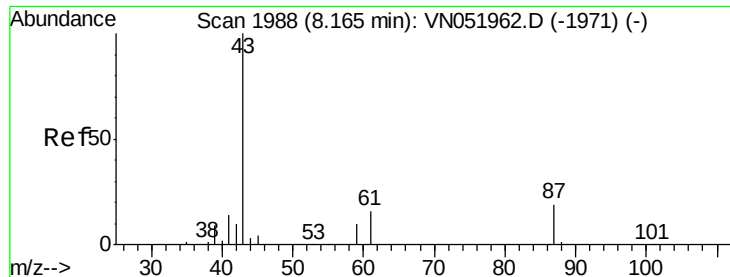
Tot Ion:114 Resp: 1659437  
Ion Ratio Lower Upper  
114 100  
63 15.0 0.0 31.2  
88 13.6 0.0 27.0



#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN052008.D  
Acq: 25 Oct 2018 13:35

Tgt Ion:113 Resp: 613438  
Ion Ratio Lower Upper  
113 100  
111 101.5 80.7 121.1  
192 22.0 17.2 25.8





#43

Isopropyl Acetate

Concen: 26.681 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052008.D

Acq: 25 Oct 2018 13:35

Instrument :

MSVOA\_N

ClientSampleId :

VB44949

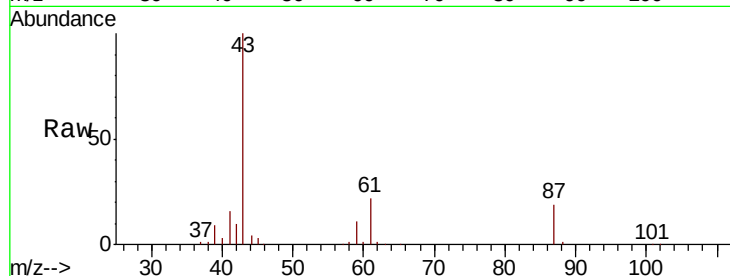
Tot Ion: 43 Resp: 284435

Ion Ratio Lower Upper

43 100

61 21.1 17.2 25.8

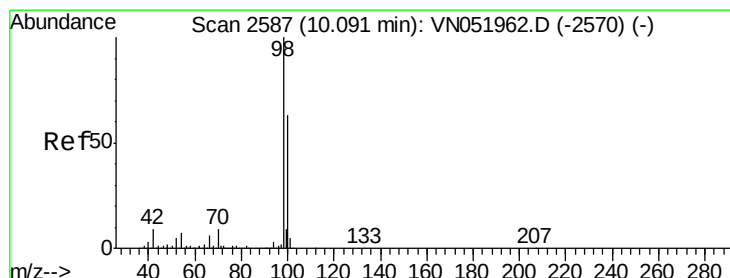
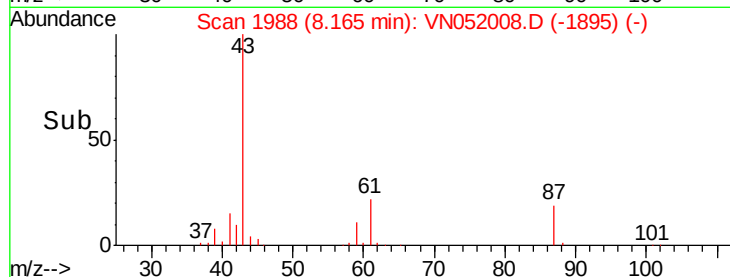
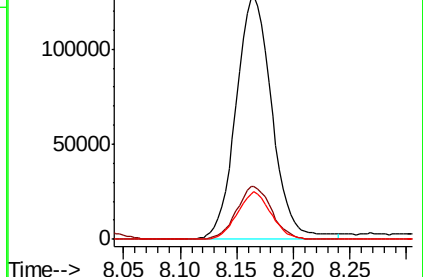
87 18.2 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052008.D

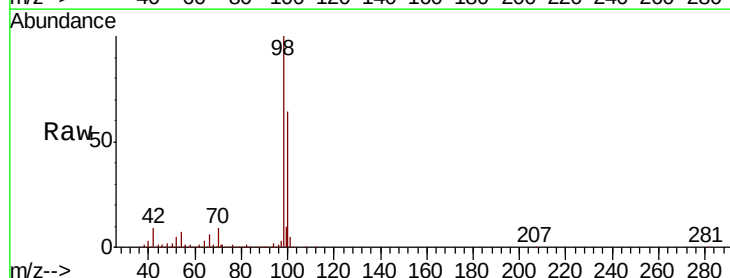
Acq: 25 Oct 2018 13:35

Tgt Ion: 98 Resp: 2248695

Ion Ratio Lower Upper

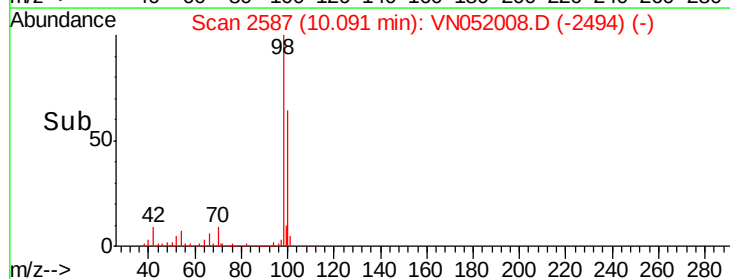
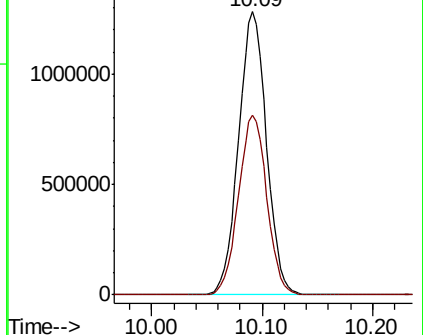
98 100

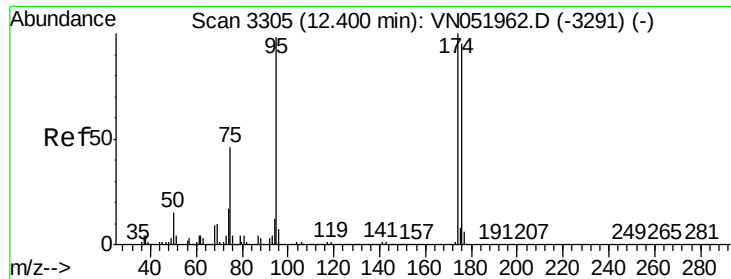
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052008.D

Acq: 25 Oct 2018 13:35

Instrument :

MSVOA\_N

ClientSampleId :

VB44949

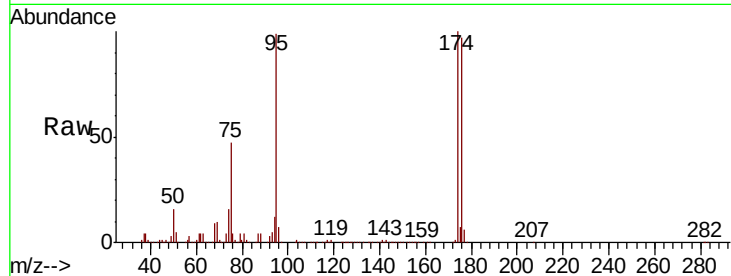
Tot Ion: 95 Resp: 718646

Ion Ratio Lower Upper

95 100

174 102.7 0.0 206.0

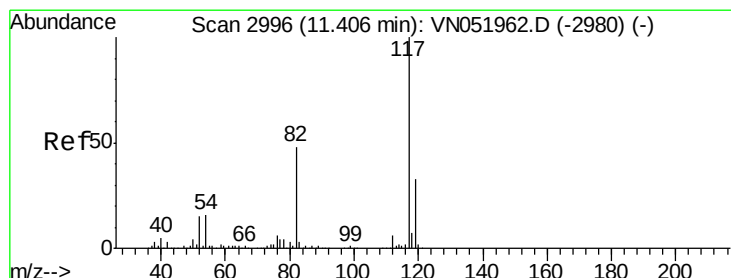
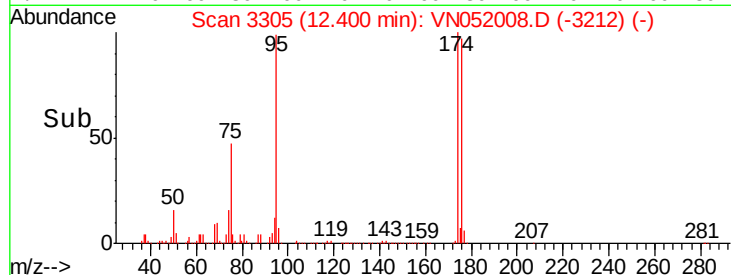
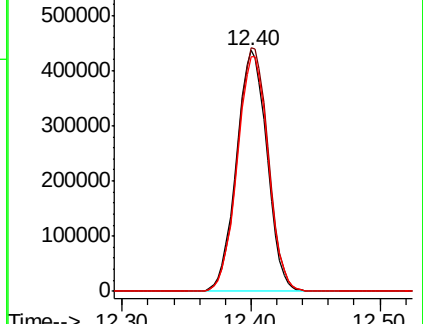
176 99.0 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052008.D

Acq: 25 Oct 2018 13:35

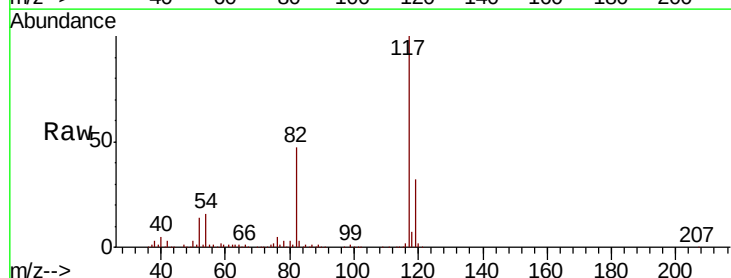
Tgt Ion: 117 Resp: 1569469

Ion Ratio Lower Upper

117 100

82 47.3 38.1 57.1

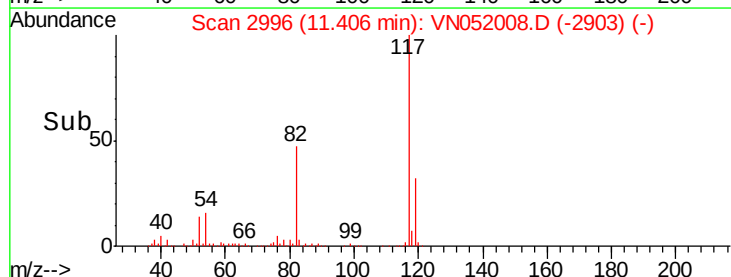
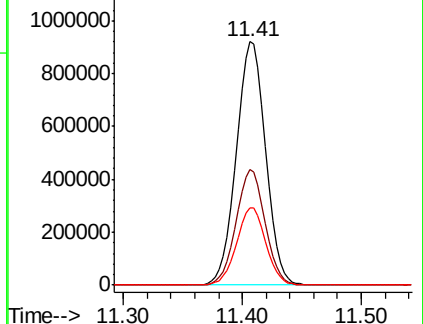
119 32.0 26.4 39.6

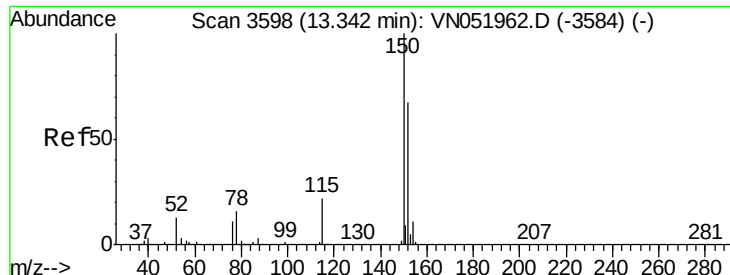


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052008.D

Acq: 25 Oct 2018 13:35

Instrument :

MSVOA\_N

ClientSampleId :

VB44949

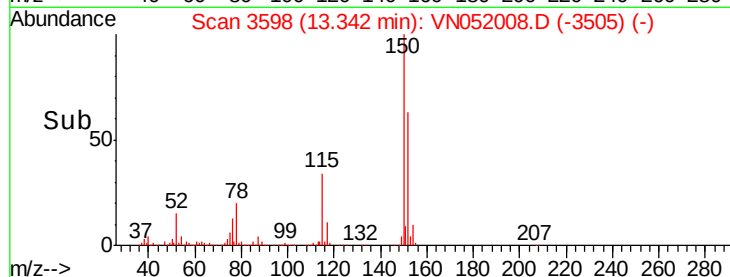
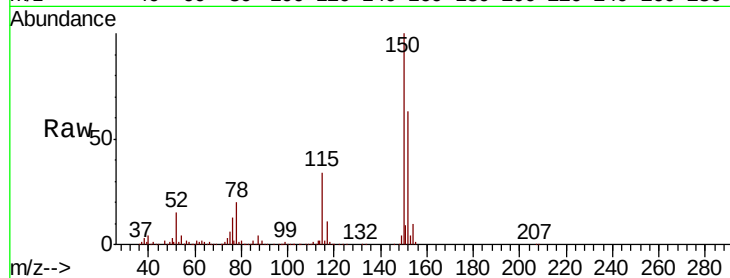
Tot Ion:152 Resp: 718957

Ion Ratio Lower Upper

152 100

115 53.6 25.8 77.3

150 157.9 0.0 344.4



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

