

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049289.D  
 Acq On : 16 Jun 2018 5:09  
 Operator : MD\SY  
 Sample : PB110255ZHE#15  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#15

Quant Time: Jun 18 01:25:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1282717  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 2037062  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1565074  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 380142   | 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   | 856970   | 50.37 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.74% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 783119   | 47.52 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.04%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2720970  | 43.36 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 86.72%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 603691   | 29.09 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 58.18%  |          |

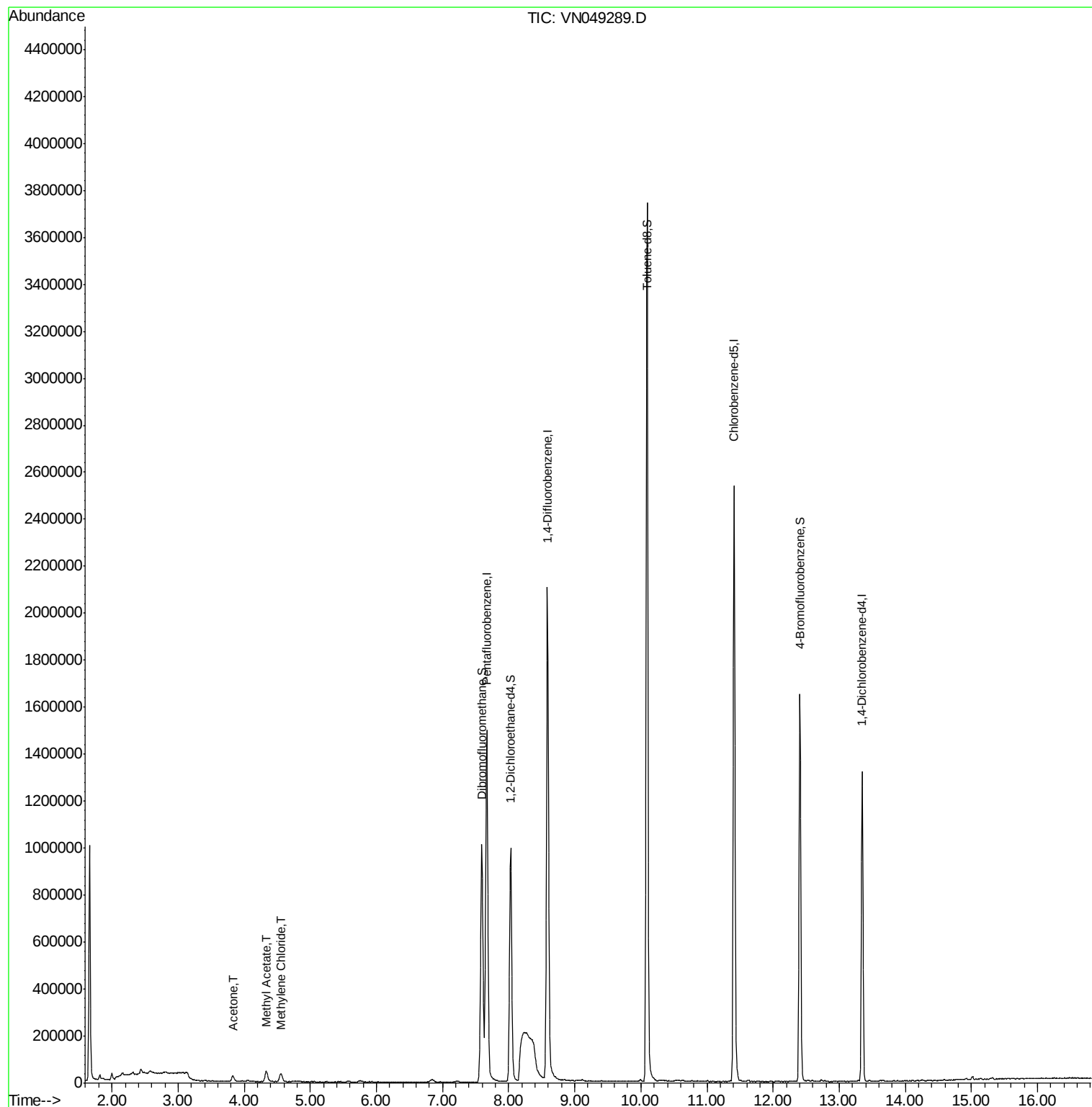
| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Acetone            | 3.83 | 43   | 42459    | 10.28 | ug/l  | 98     |
| 18) Methyl Acetate     | 4.34 | 43   | 89469    | 7.10  | ug/l  | 95     |
| 20) Methylene Chloride | 4.55 | 84   | 26674    | 1.55  | ug/l  | 92     |

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

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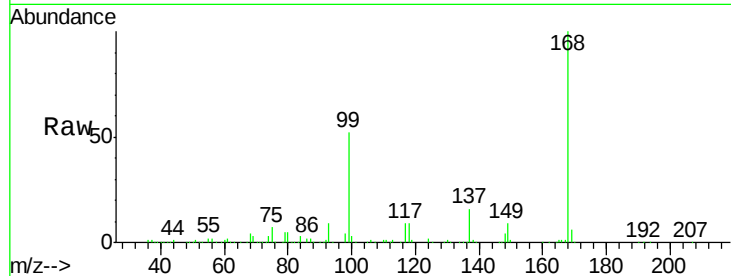


#1

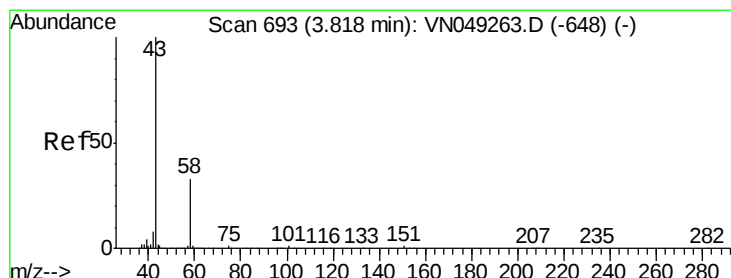
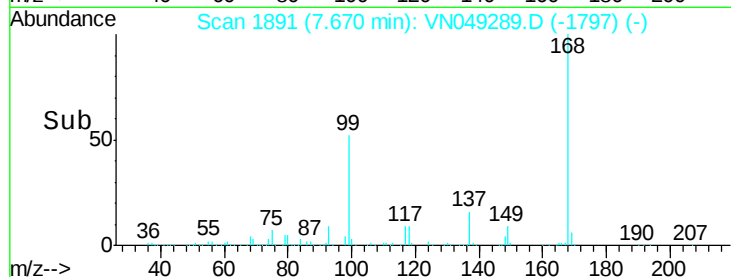
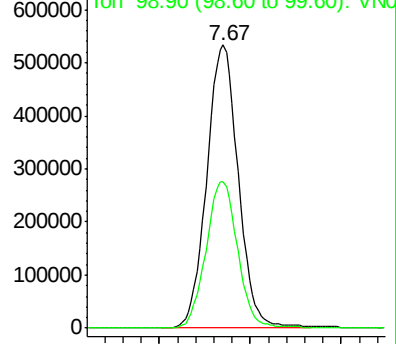
Pentafluorobenzene  
 Concen: 50.00 ug/l  
 RT: 7.67 min Scan# 1891  
 Delta R.T. 0.00 min  
 Lab File: VN049289.D  
 Acq: 16 Jun 2018 5:09

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#15

Tot Ion:168 Resp: 1282717  
 Ion Ratio Lower Upper  
 168 100  
 99 51.9 45.8 68.6



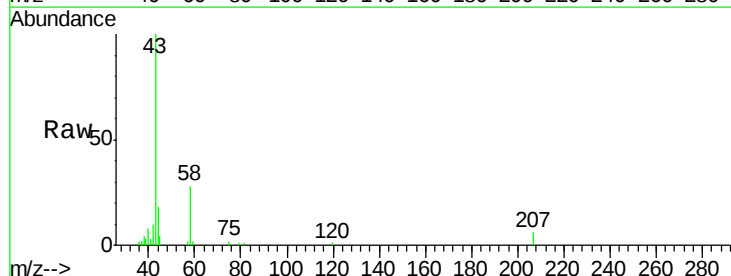
Abundance Ion 167.90 (167.60 to 168.60): V



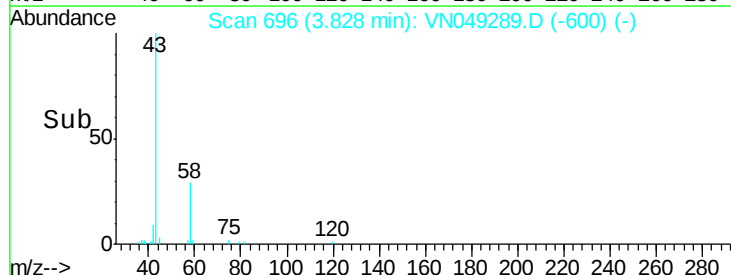
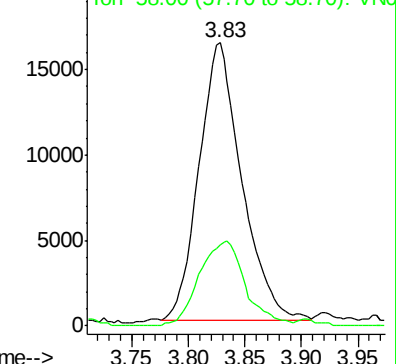
#16

Acetone  
 Concen: 10.28 ug/l  
 RT: 3.83 min Scan# 696  
 Delta R.T. 0.01 min  
 Lab File: VN049289.D  
 Acq: 16 Jun 2018 5:09

Tgt Ion: 43 Resp: 42459  
 Ion Ratio Lower Upper  
 43 100  
 58 29.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN

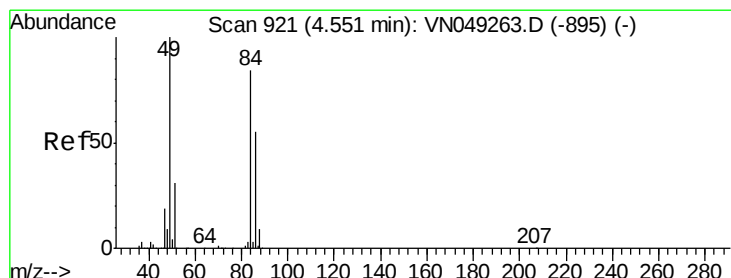
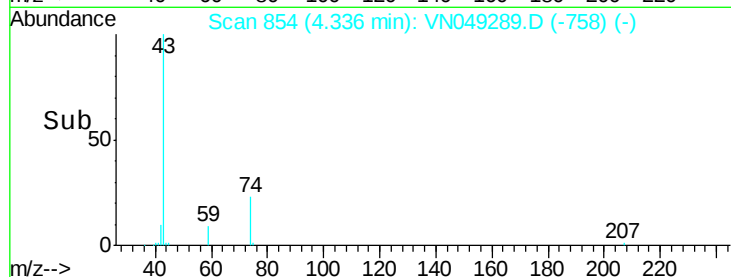
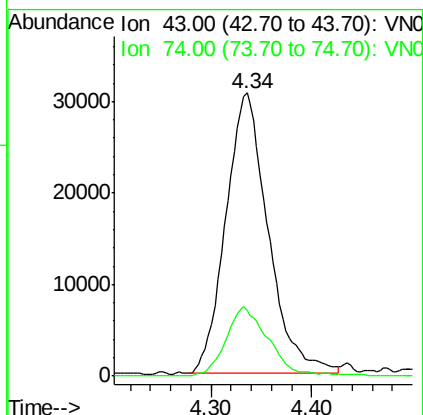
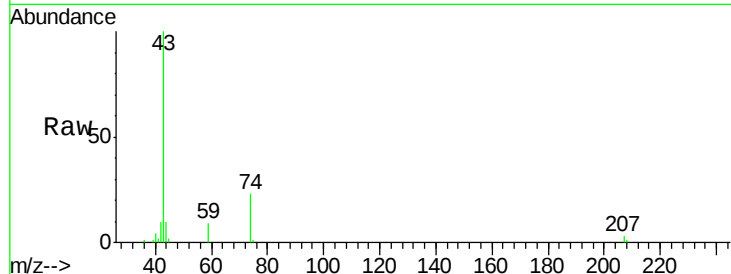




#18  
Methvl Acetate  
Concen: 7.10 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049289.D  
Acq: 16 Jun 2018 5:09

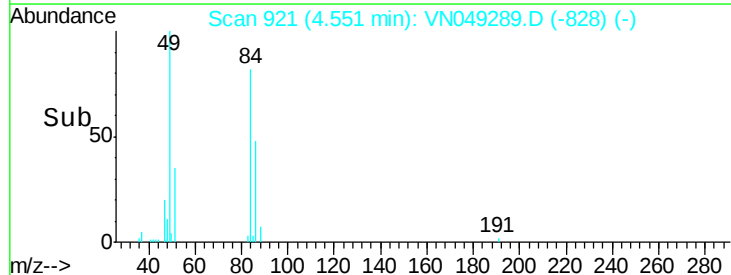
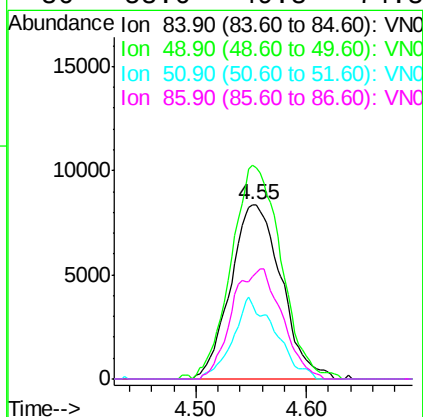
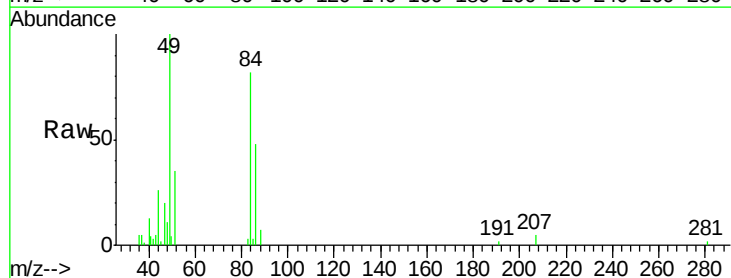
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110255ZHE#15

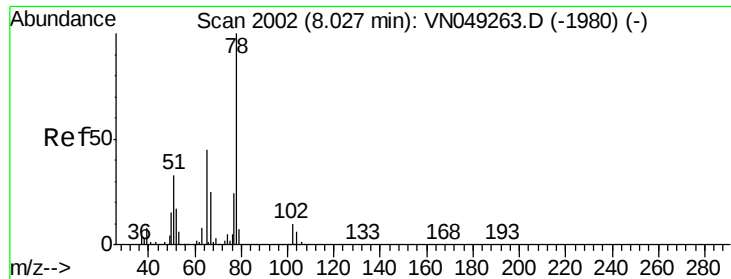
Tot Ion: 43 Resp: 89469  
Ion Ratio Lower Upper  
43 100  
74 24.3 17.4 26.0



#20  
Methylene Chloride  
Concen: 1.55 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049289.D  
Acq: 16 Jun 2018 5:09

Tgt Ion: 84 Resp: 26674  
Ion Ratio Lower Upper  
84 100  
49 120.3 106.9 160.3  
51 42.3 32.7 49.1  
86 58.6 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 50.37 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049289.D

Acq: 16 Jun 2018 5:09

Instrument :

MSVOA\_N

ClientSampleId :

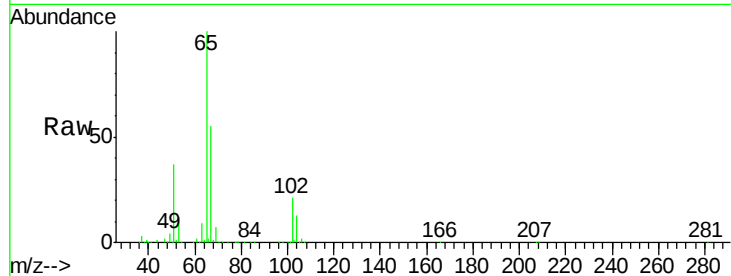
PB110255ZHE#15

Tot Ion: 65 Resp: 856970

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049289.D (-1980) (-)

Ion 66.90 (66.60 to 67.60): VN049289.D (-1980) (-)

8.03

400000

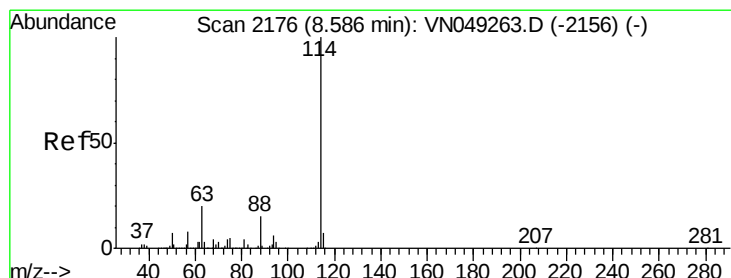
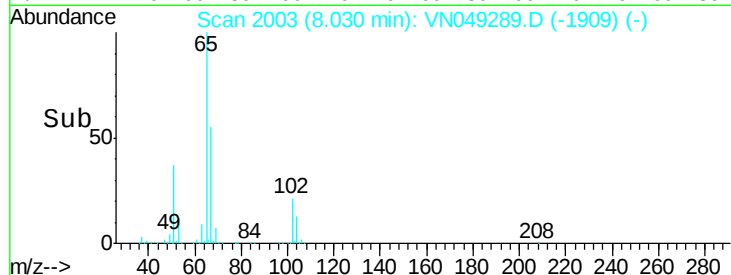
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049289.D

Acq: 16 Jun 2018 5:09

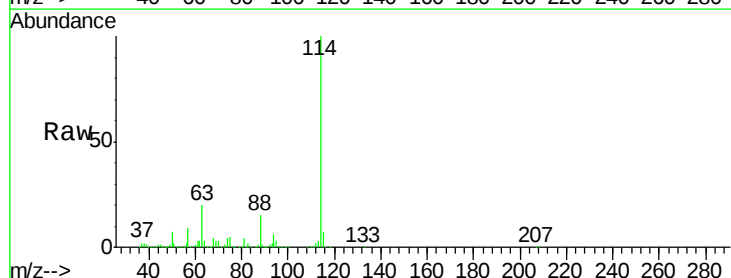
Tgt Ion: 114 Resp: 2037062

Ion Ratio Lower Upper

114 100

63 20.0 0.0 44.4

88 15.2 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049289.D (-2156) (-)

Ion 63.00 (62.70 to 63.70): VN049289.D (-2156) (-)

Ion 87.90 (87.60 to 88.60): VN049289.D (-2156) (-)

8.59

1200000

1000000

800000

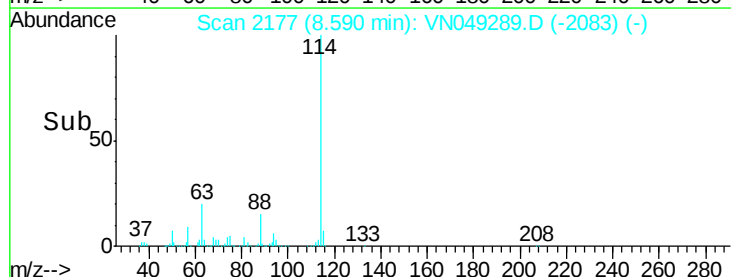
600000

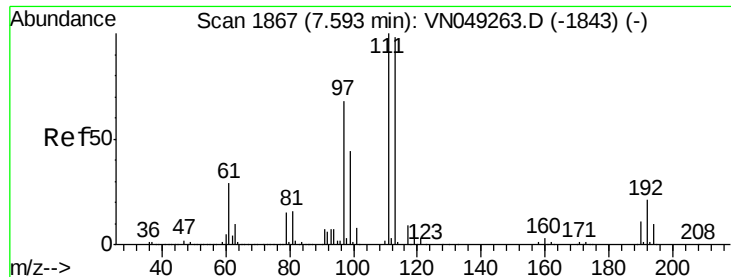
400000

200000

0

Time-->

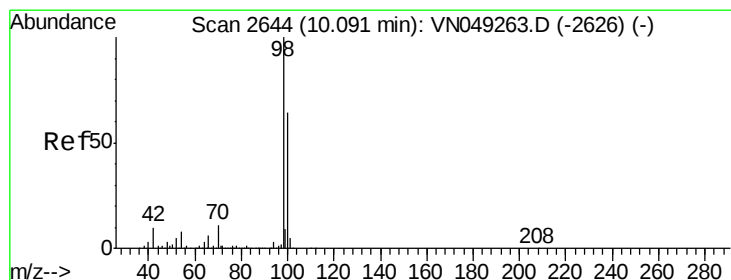
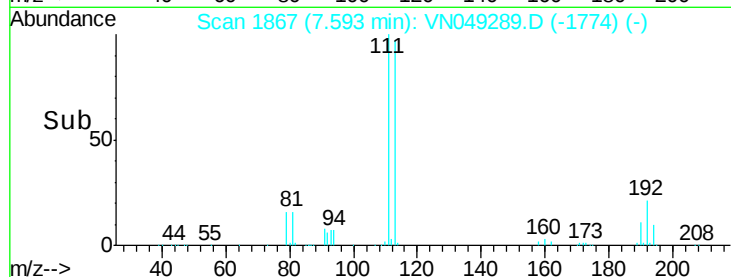
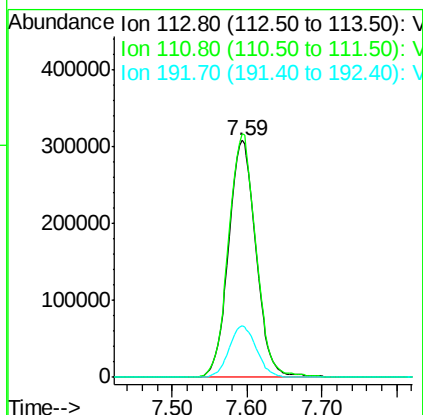
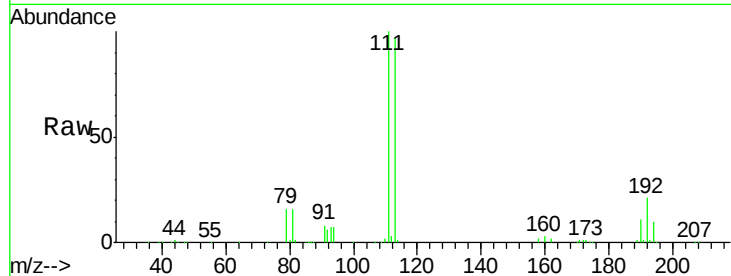




#35  
Dibromofluoromethane  
Concen: 47.52 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN049289.D  
Acq: 16 Jun 2018 5:09

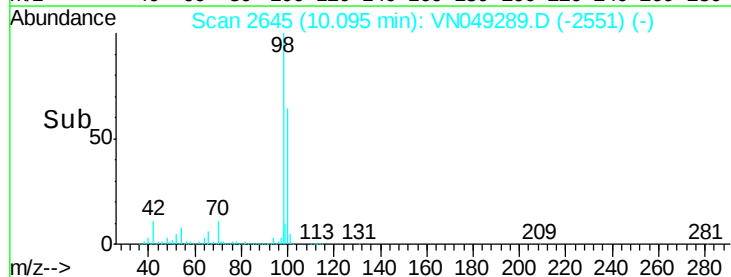
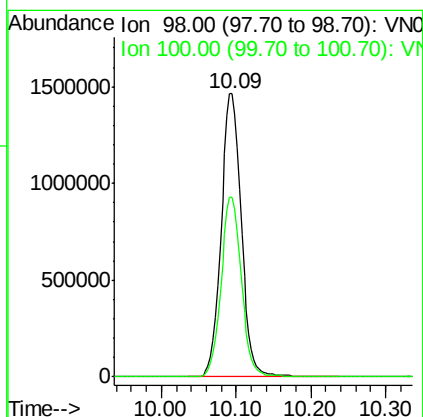
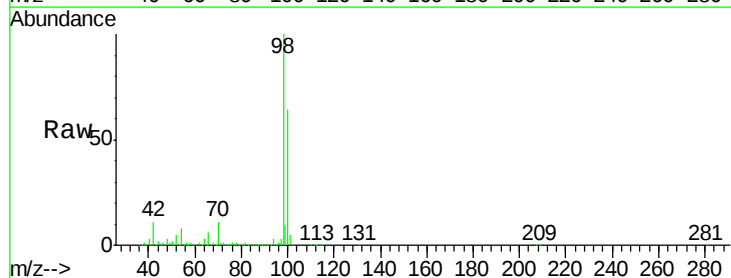
Instrument :  
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PB110255ZHE#15

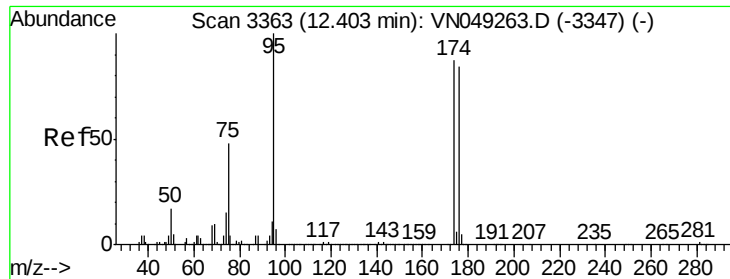
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 82.4  | 123.6 |
| 192     | 21.6  | 15.0  | 22.6  |



#50  
Toluene-d8  
Concen: 43.36 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049289.D  
Acq: 16 Jun 2018 5:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 49.8  | 74.8  |





#62

4-Bromofluorobenzene

Concen: 29.09 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049289.D

Acq: 16 Jun 2018 5:09

Instrument :

MSVOA\_N

ClientSampleId :

PB110255ZHE#15

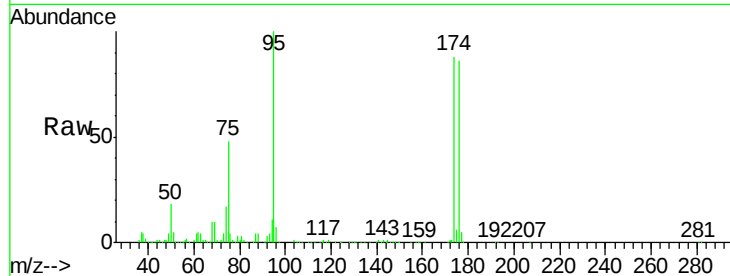
Tot Ion: 95 Resp: 603691

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

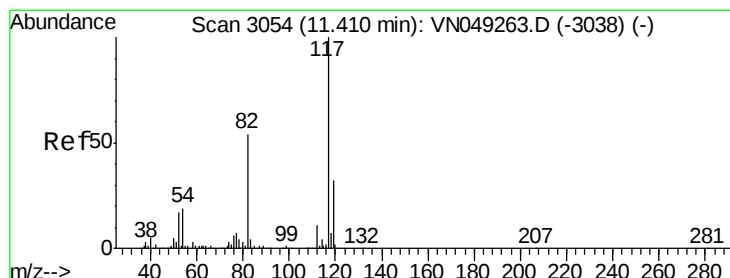
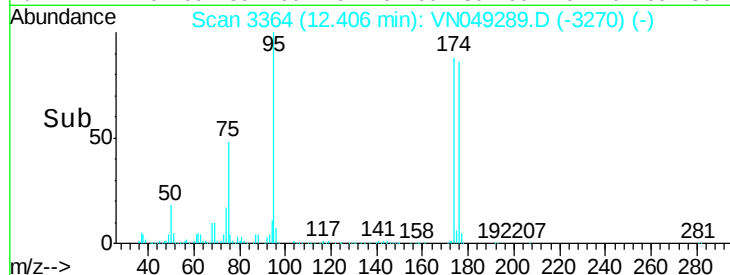
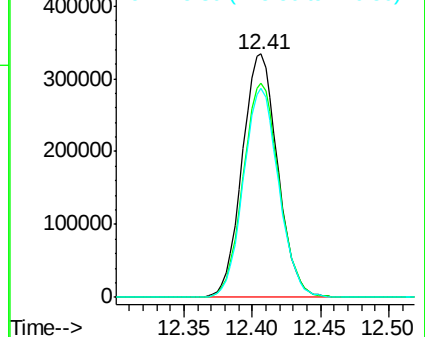
176 85.2 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049289.D

Acq: 16 Jun 2018 5:09

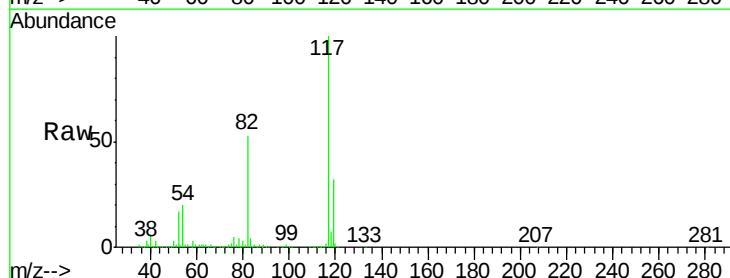
Tgt Ion: 117 Resp: 1565074

Ion Ratio Lower Upper

117 100

82 53.4 45.9 68.9

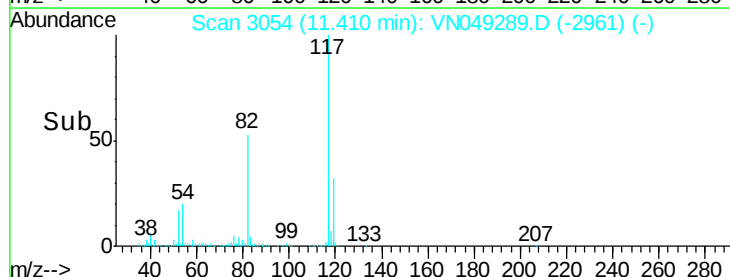
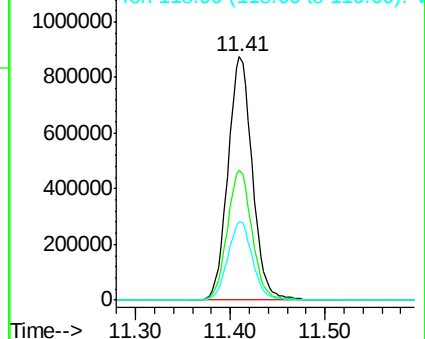
119 32.1 25.5 38.3

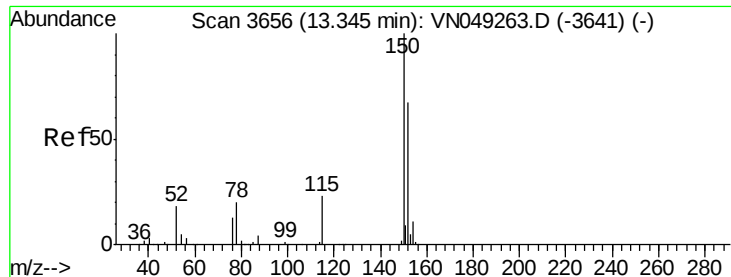


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049289.D

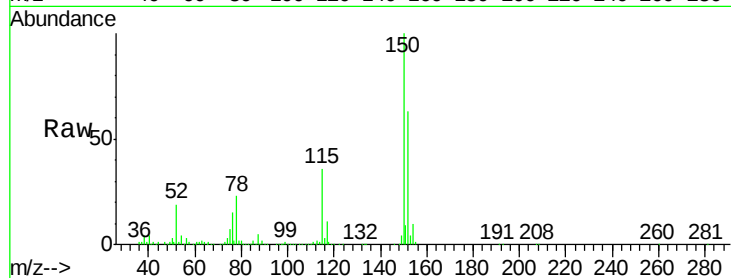
Acq: 16 Jun 2018 5:09

Instrument :

MSVOA\_N

ClientSampleId :

PB110255ZHE#15



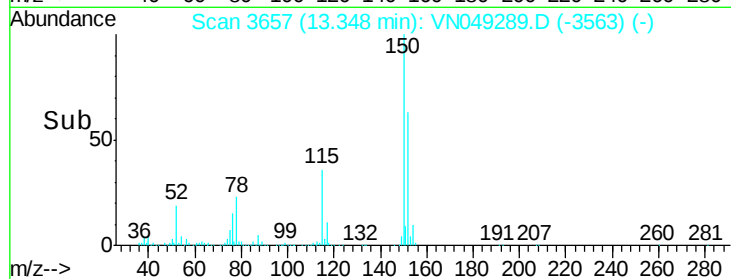
Tot Ion:152 Resp: 380142

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.1

150 158.5 0.0 351.0



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

