

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
 Data File : VN049398.D  
 Acq On : 19 Jun 2018 20:47  
 Operator : MD\SY  
 Sample : PB110363ZHE#10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#10

Quant Time: Jun 20 05:22:47 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

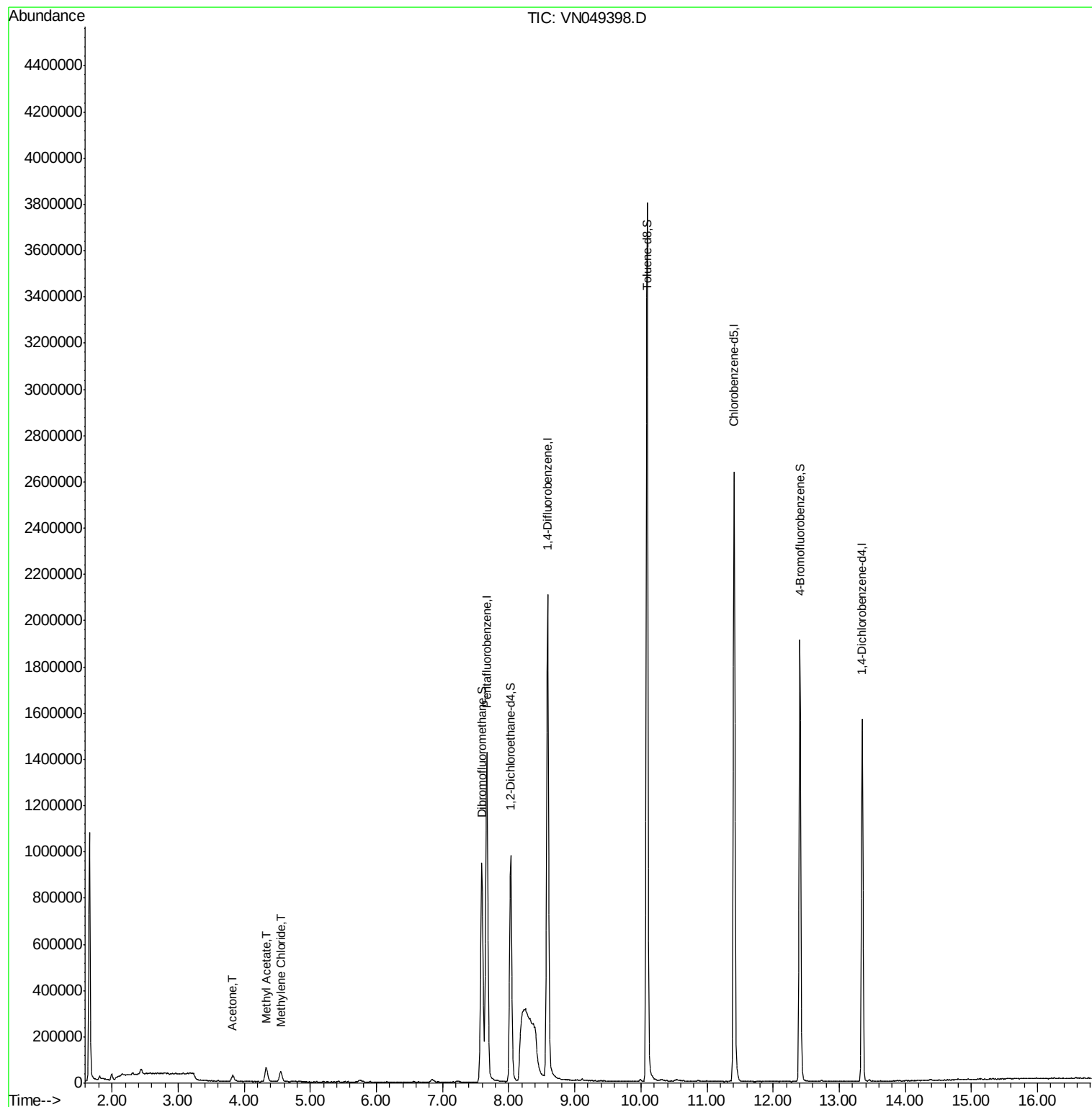
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1233420  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1997067  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1634033  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 461488   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 840934   | 51.40  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.80% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 735523   | 45.52  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.04%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2694116  | 43.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.58%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 674091   | 33.14  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 45035    | 11.338 | ug/l    | 95       |
| 18) Methyl Acetate          | 4.33  | 43   | 119962   | 9.905  | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 31933    | 1.925  | ug/l    | 89       |

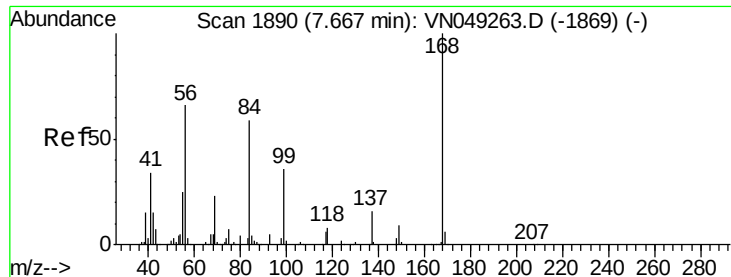
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049398.D

Acq: 19 Jun 2018 20:47

Instrument :

MSVOA\_N

ClientSampleId :

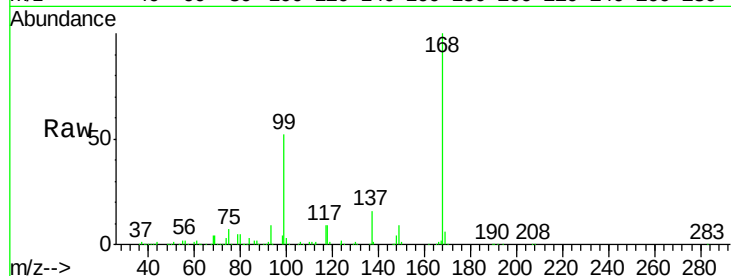
PB110363ZHE#10

Tot Ion:168 Resp: 1233420

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049398.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049398.D (-1797) (-)

7.67

500000

400000

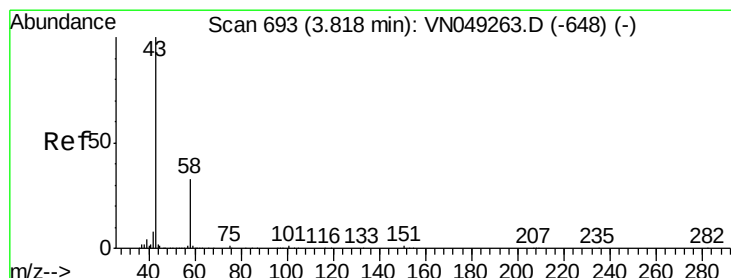
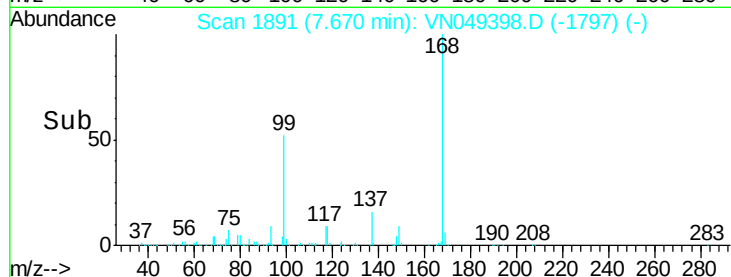
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.338 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049398.D

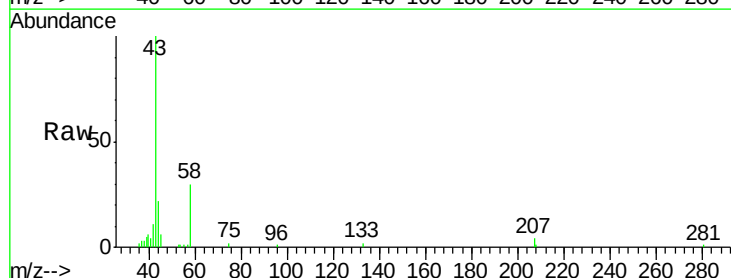
Acq: 19 Jun 2018 20:47

Tgt Ion: 43 Resp: 45035

Ion Ratio Lower Upper

43 100

58 30.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049398.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049398.D (-600) (-)

3.82

20000

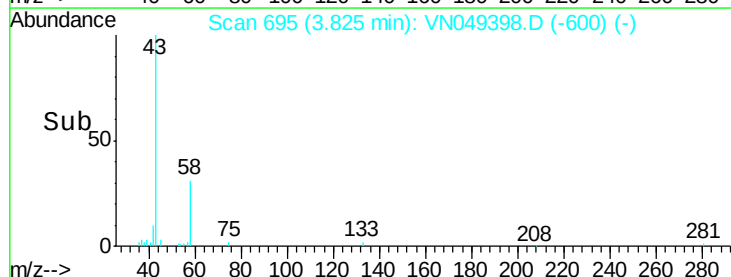
15000

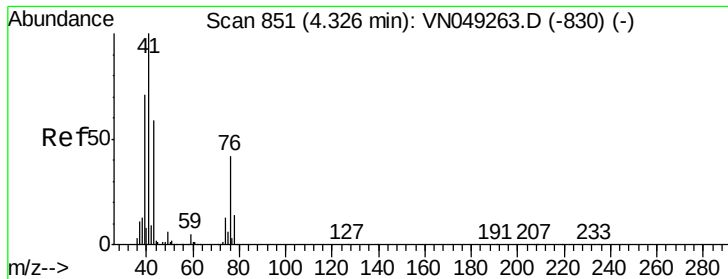
10000

5000

0

Time-->

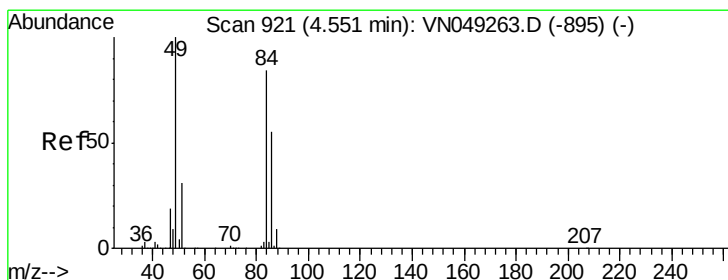
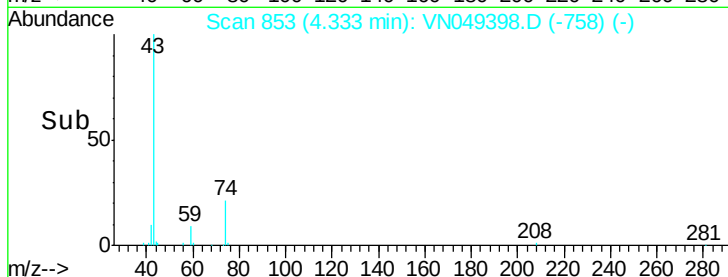
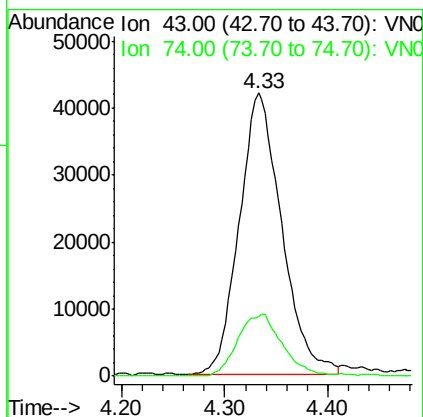
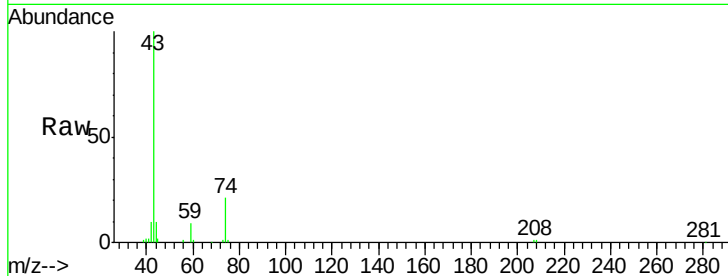




#18  
Methvl Acetate  
Concen: 9.905 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049398.D  
Acq: 19 Jun 2018 20:47

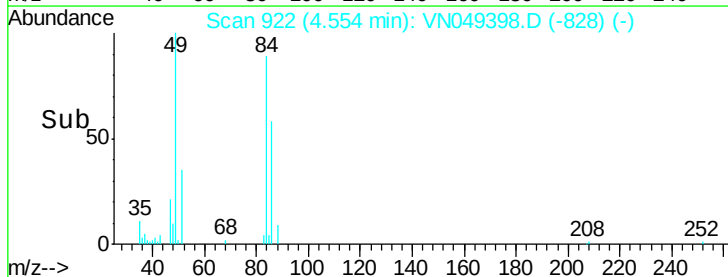
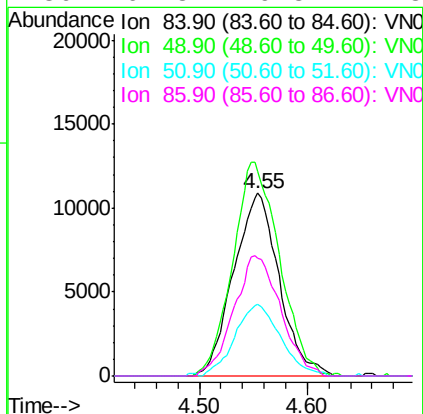
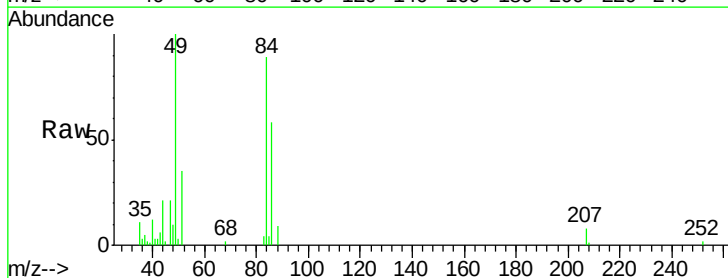
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#10

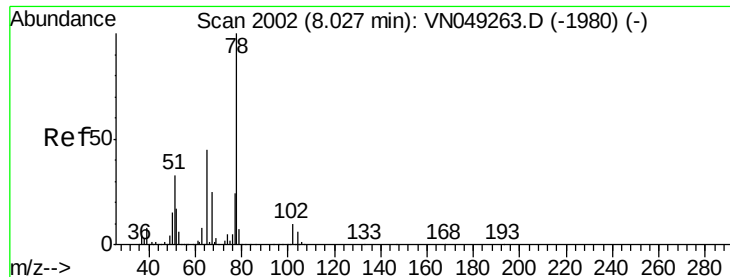
Tot Ion: 43 Resp: 119962  
Ion Ratio Lower Upper  
43 100  
74 23.2 17.4 26.0



#20  
Methylene Chloride  
Concen: 1.925 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN049398.D  
Acq: 19 Jun 2018 20:47

Tgt Ion: 84 Resp: 31933  
Ion Ratio Lower Upper  
84 100  
49 112.2 106.9 160.3  
51 39.3 32.7 49.1  
86 64.8 49.8 74.8

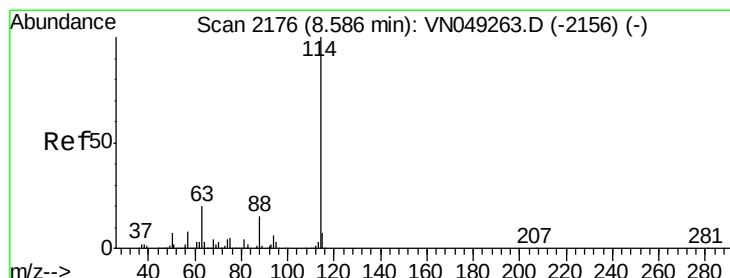
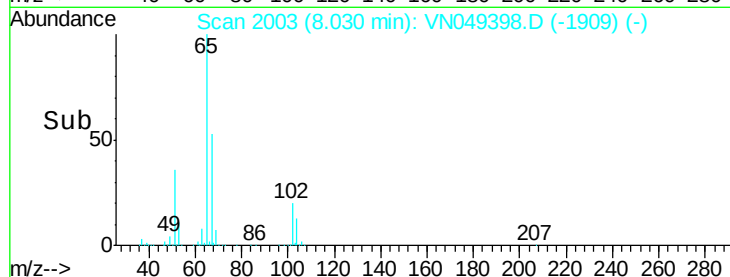
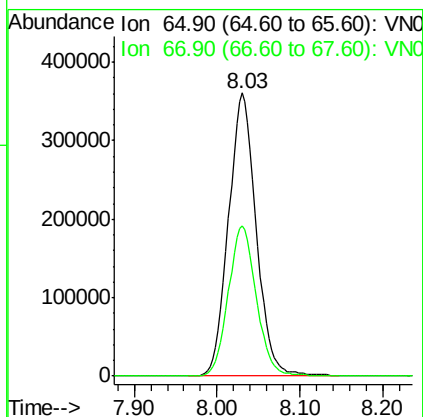
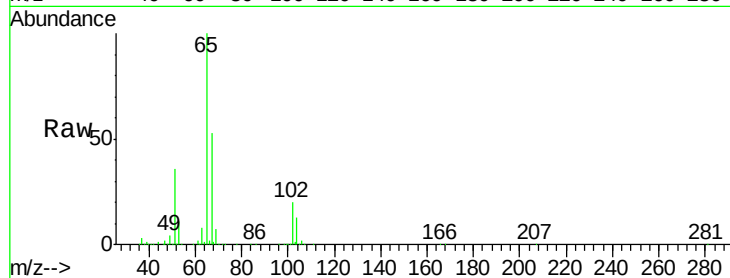




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.404 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049398.D  
 Acq: 19 Jun 2018 20:47

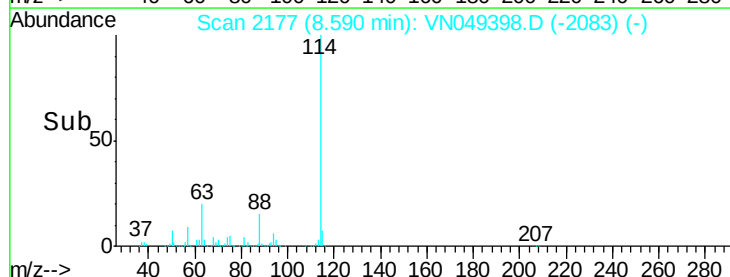
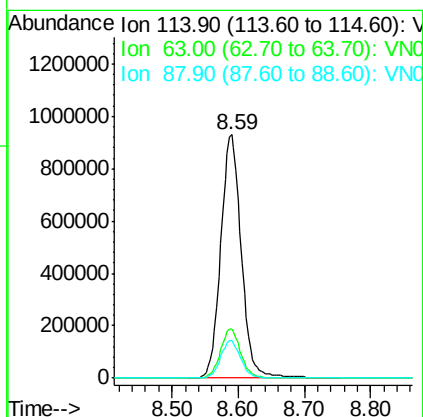
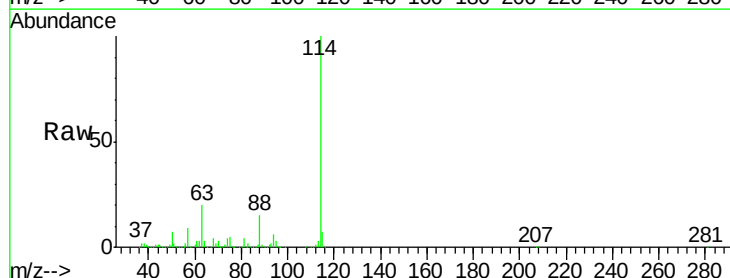
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#10

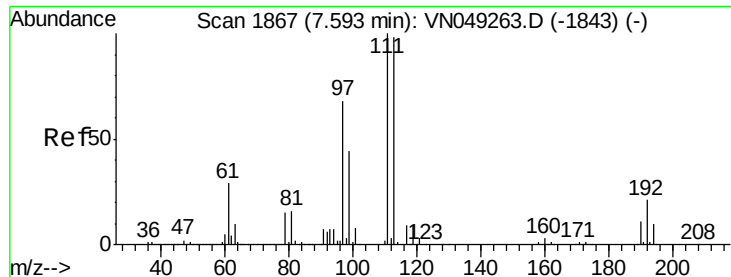
Tot Ion: 65 Resp: 840934  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049398.D  
 Acq: 19 Jun 2018 20:47

Tgt Ion: 114 Resp: 1997067  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 44.4  
 88 15.4 0.0 31.4

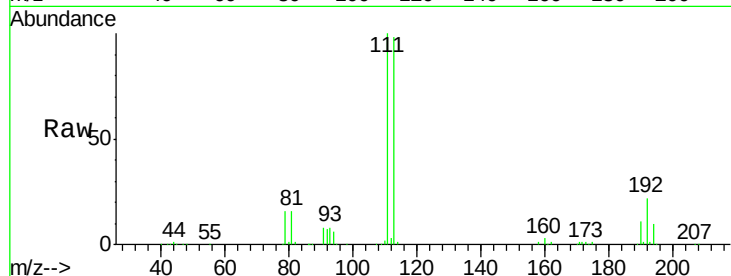




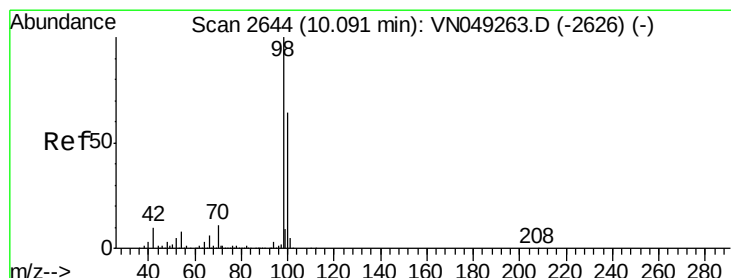
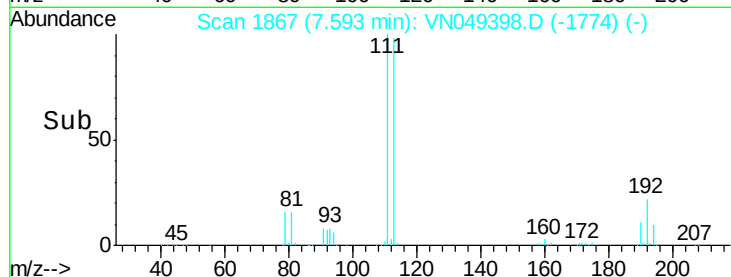
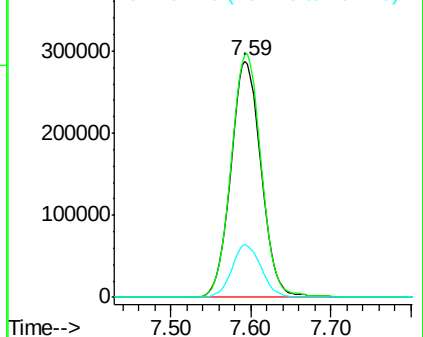
#35  
Dibromofluoromethane  
Concen: 45.523 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. -0.00 min  
Lab File: VN049398.D  
Acq: 19 Jun 2018 20:47

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.9 | 82.4  | 123.6 |
| 192     | 21.7  | 15.0  | 22.6  |

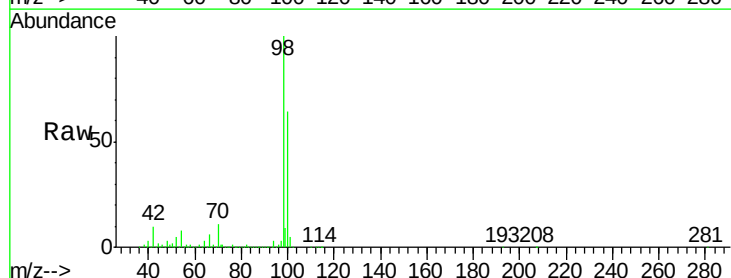


Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V

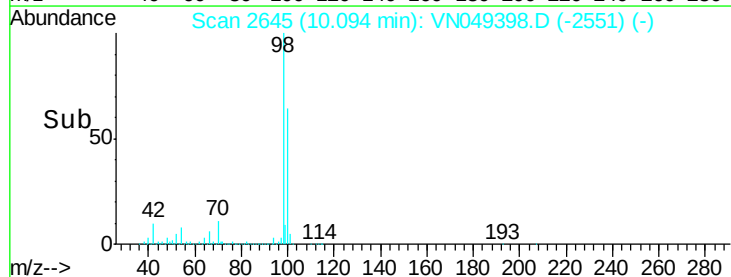
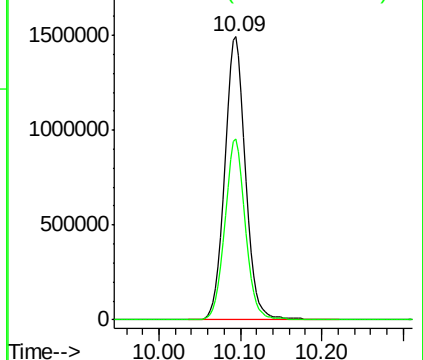


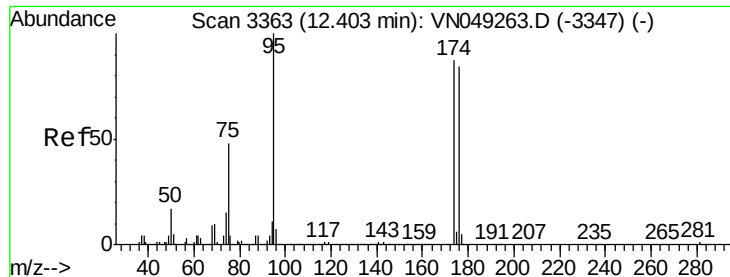
#50  
Toluene-d8  
Concen: 43.792 ug/l  
RT: 10.09 min Scan# 2645  
Delta R.T. 0.00 min  
Lab File: VN049398.D  
Acq: 19 Jun 2018 20:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.1  | 49.8  | 74.8  |



Abundance Ion 98.00 (97.70 to 98.70): V  
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 33.138 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049398.D

Acq: 19 Jun 2018 20:47

Instrument :

MSVOA\_N

ClientSampleId :

PB110363ZHE#10

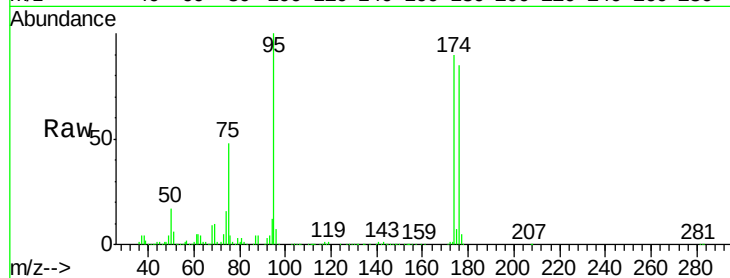
Tot Ion: 95 Resp: 674091

Ion Ratio Lower Upper

95 100

174 89.4 0.0 165.6

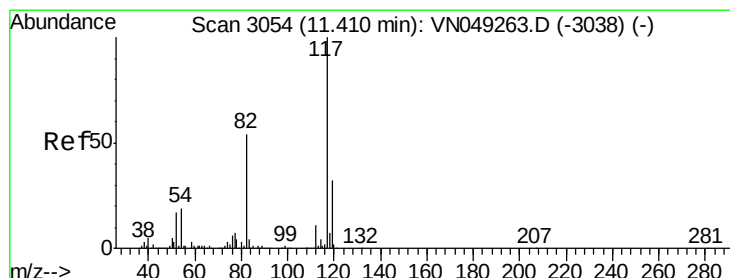
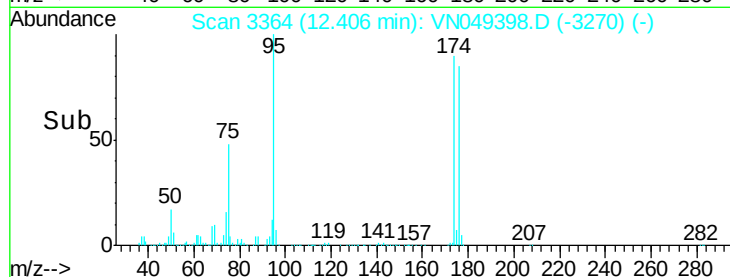
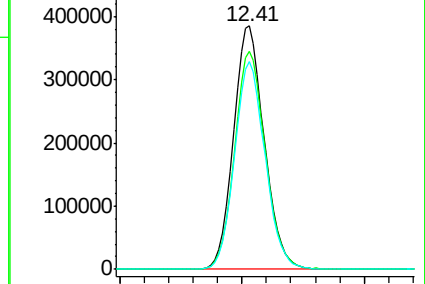
176 84.7 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049398.D

Acq: 19 Jun 2018 20:47

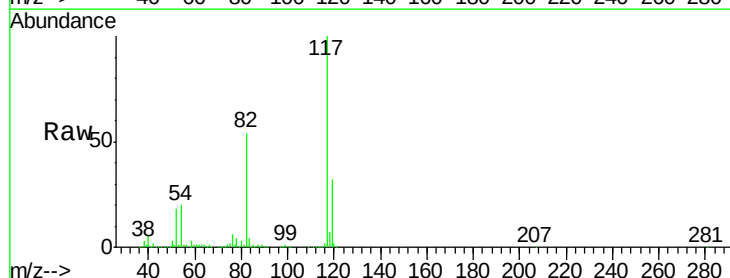
Tgt Ion: 117 Resp: 1634033

Ion Ratio Lower Upper

117 100

82 54.4 45.9 68.9

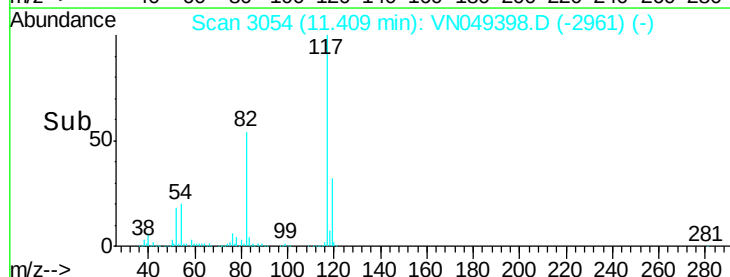
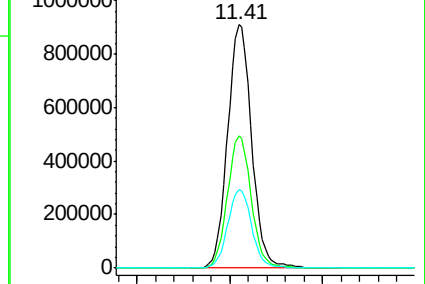
119 32.1 25.5 38.3

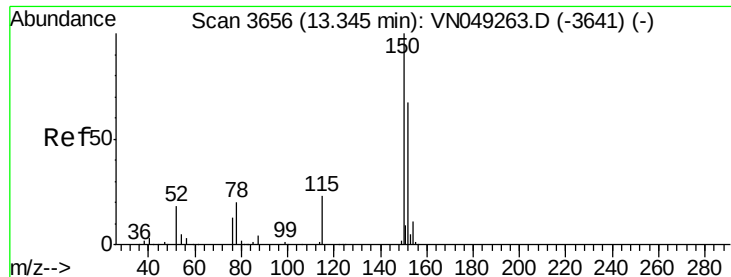


Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049398.D

Acq: 19 Jun 2018 20:47

Instrument :

MSVOA\_N

ClientSampleId :

PB110363ZHE#10

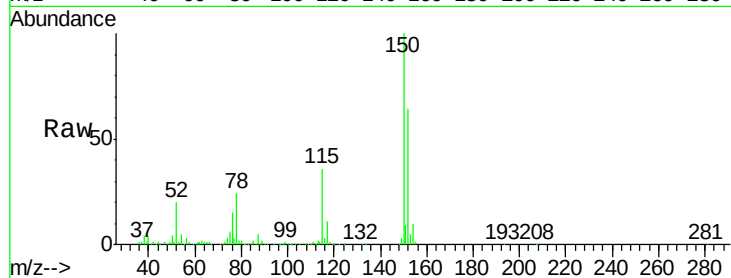
Tot Ion:152 Resp: 461488

Ion Ratio Lower Upper

152 100

115 55.2 28.7 86.1

150 154.1 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

