

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049273.D  
 Acq On : 15 Jun 2018 21:26  
 Operator : MD\SY  
 Sample : PB110255ZHE#04  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#04

Quant Time: Jun 16 02:14:29 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

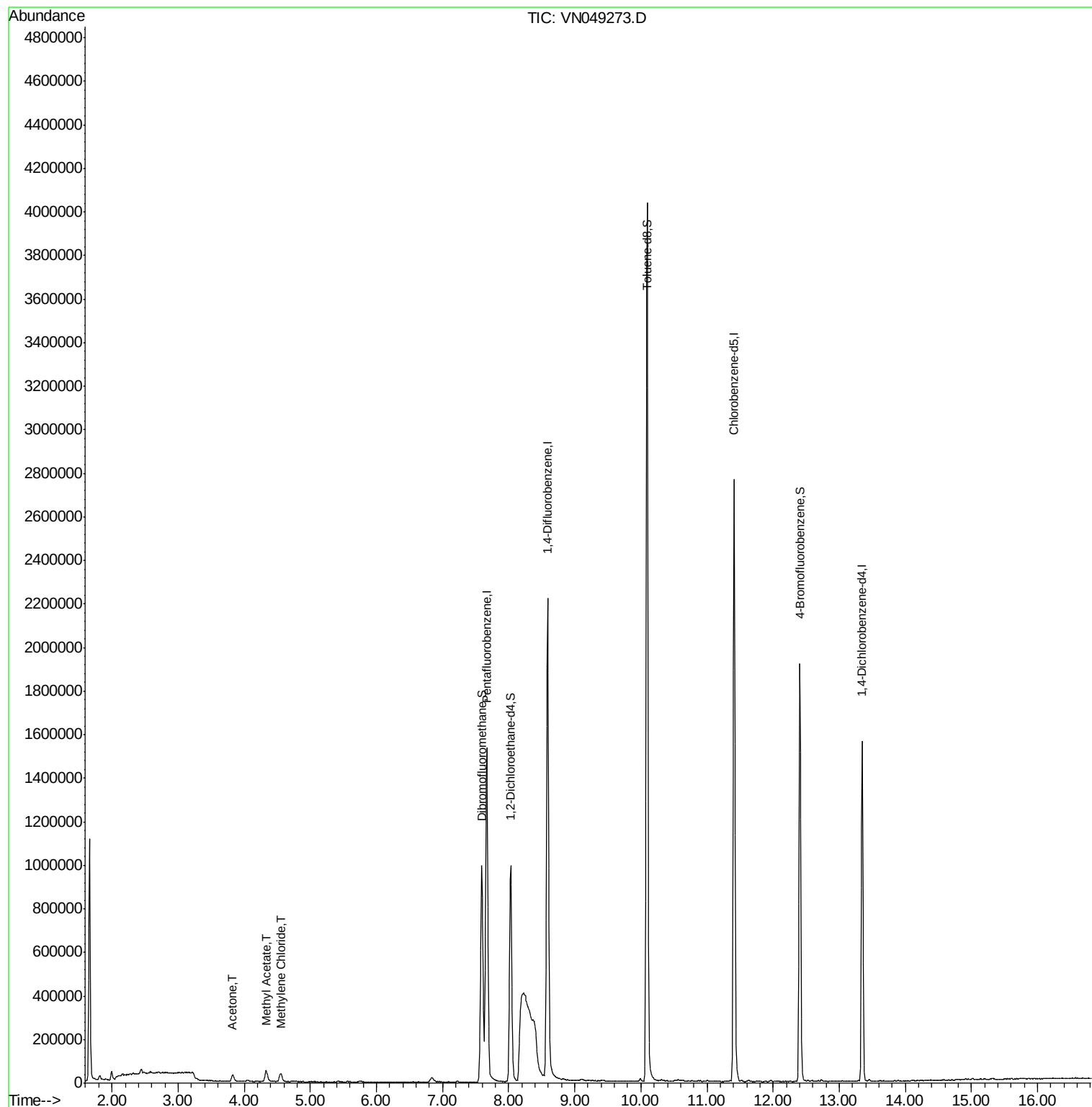
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1327013  | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2122693  | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1695728  | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 460262   | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 860793   | 48.91 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.82% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 765456   | 44.57 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.14% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2912034  | 44.53 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 683376   | 31.61 | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 63.22% |          |
| Target Compounds            |       |      |          |       |        |          |
| 16) Acetone                 | 3.82  | 43   | 50413    | 11.80 | ug/l   | 94       |
| 18) Methyl Acetate          | 4.33  | 43   | 94474    | 7.25  | ug/l   | 95       |
| 20) Methylene Chloride      | 4.54  | 84   | 29143    | 1.63  | ug/l # | 83       |

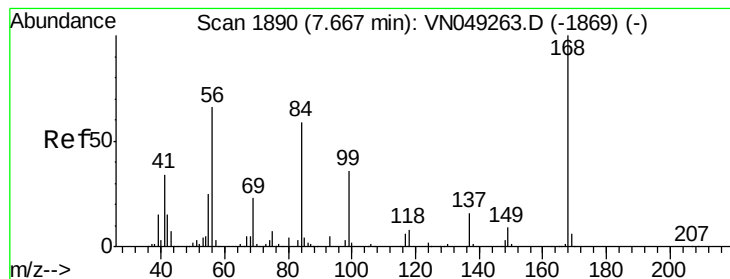
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
Data File : VN049273.D  
Acq On : 15 Jun 2018 21:26  
Operator : MD\SY  
Sample : PB110255ZHE#04  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110255ZHE#04

Quant Time: Jun 16 02:14:29 2018  
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: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049273.D

Acq: 15 Jun 2018 21:26

Instrument :

MSVOA\_N

ClientSampleId :

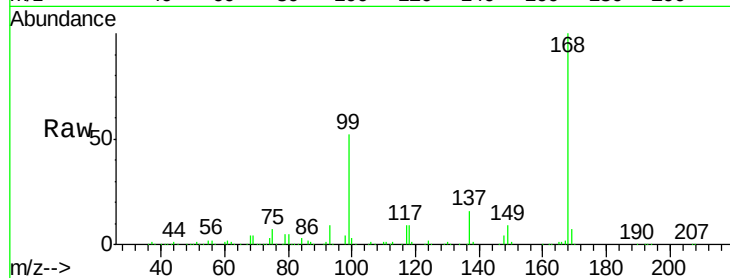
PB110255ZHE#04

Tot Ion:168 Resp: 1327013

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049273.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049273.D (-1797) (-)

7.67

600000

500000

400000

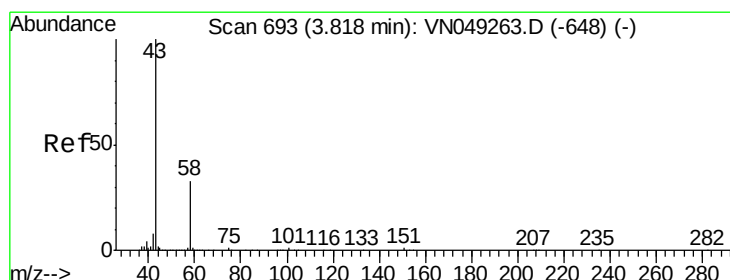
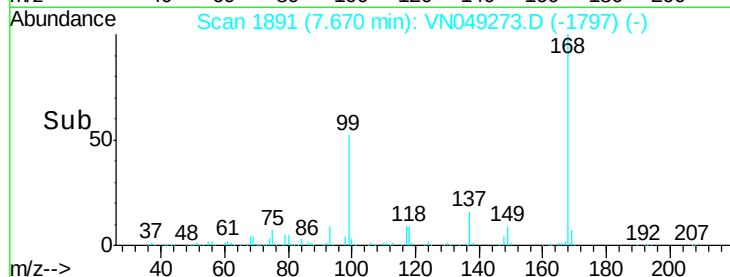
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.80 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049273.D

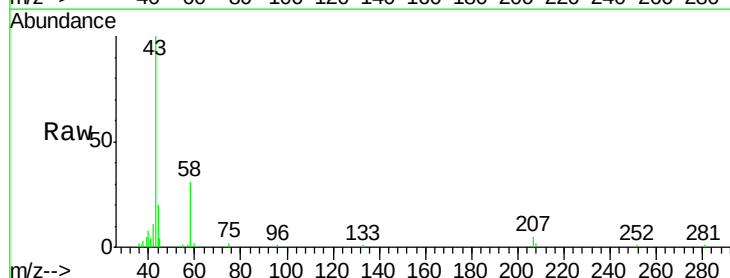
Acq: 15 Jun 2018 21:26

Tgt Ion: 43 Resp: 50413

Ion Ratio Lower Upper

43 100

58 31.1 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049273.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049273.D (-600) (-)

3.82

20000

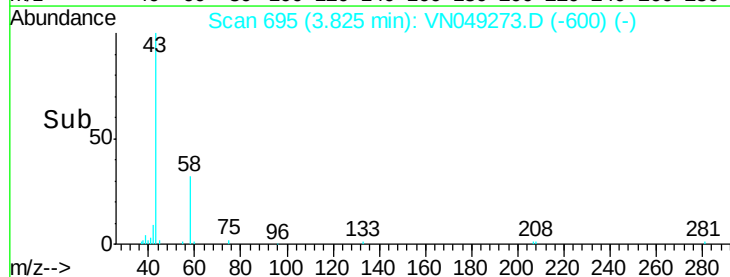
15000

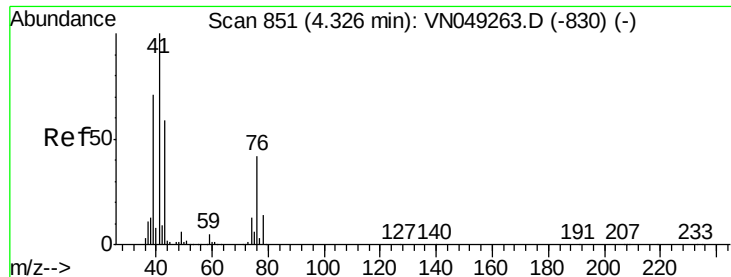
10000

5000

0

Time-->

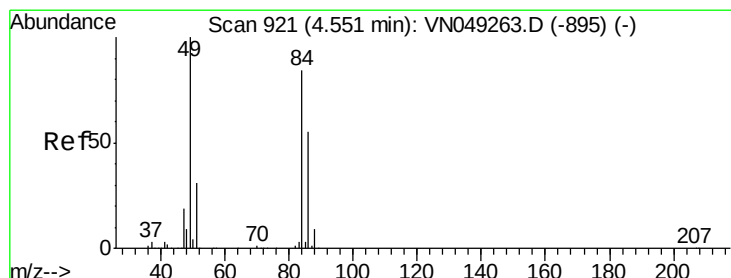
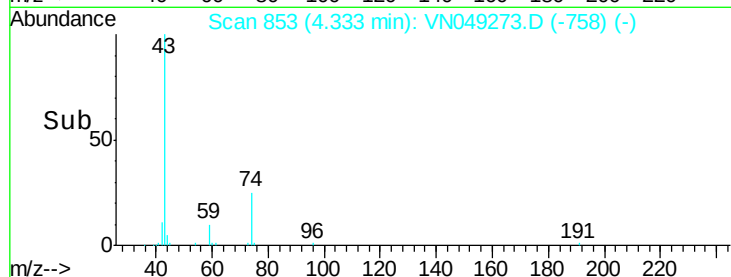
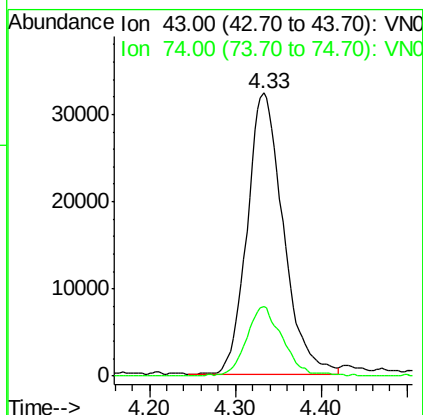
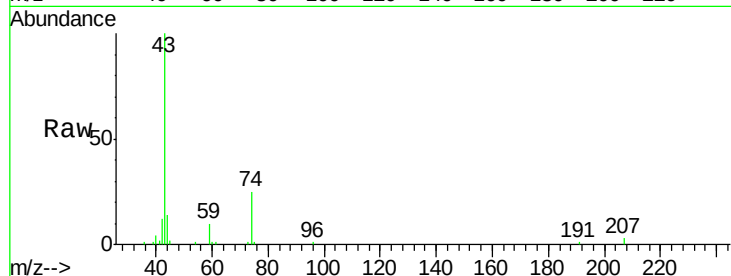




#18  
Methvl Acetate  
Concen: 7.25 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.01 min  
Lab File: VN049273.D  
Acq: 15 Jun 2018 21:26

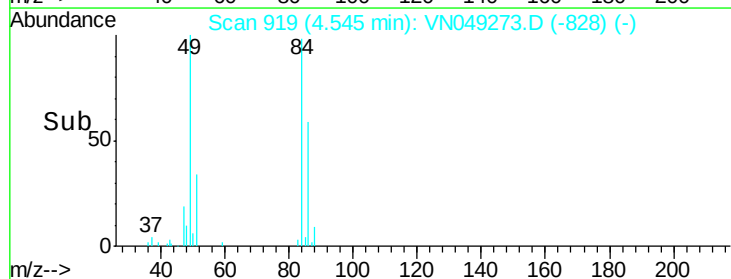
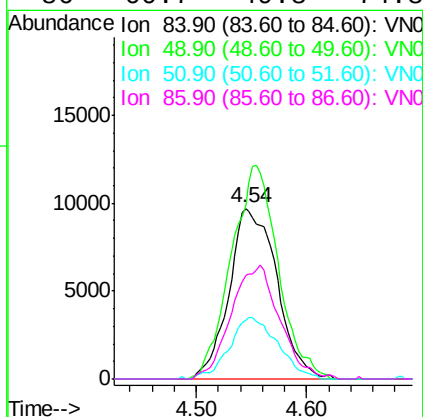
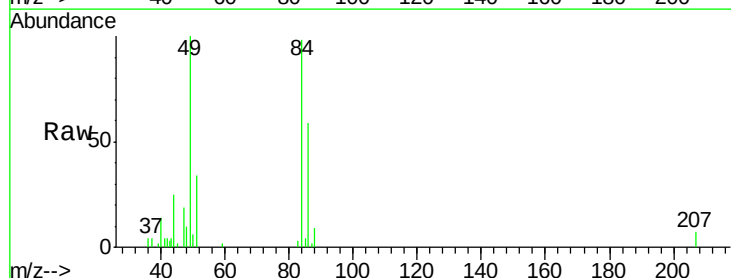
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110255ZHE#04

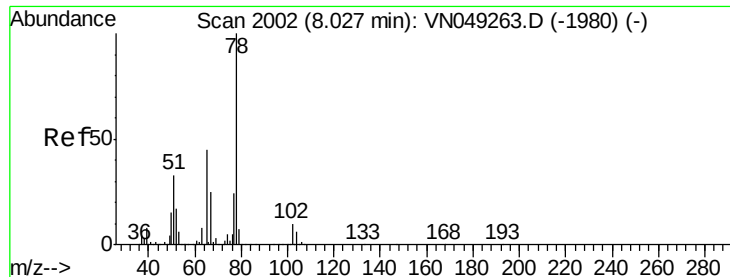
Tot Ion: 43 Resp: 94474  
Ion Ratio Lower Upper  
43 100  
74 24.2 17.4 26.0



#20  
Methylene Chloride  
Concen: 1.63 ug/l  
RT: 4.54 min Scan# 919  
Delta R.T. -0.01 min  
Lab File: VN049273.D  
Acq: 15 Jun 2018 21:26

Tgt Ion: 84 Resp: 29143  
Ion Ratio Lower Upper  
84 100  
49 102.2 106.9 160.3#  
51 34.7 32.7 49.1  
86 60.7 49.8 74.8

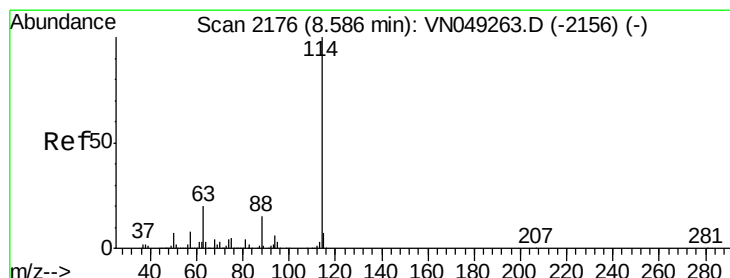
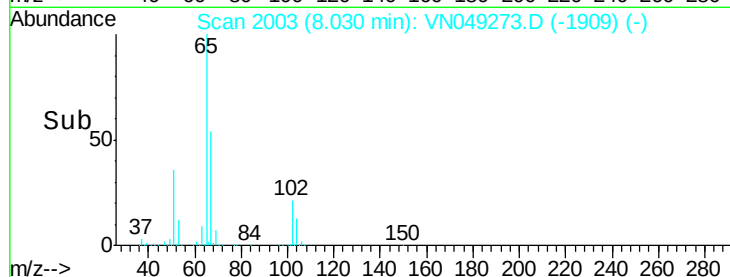
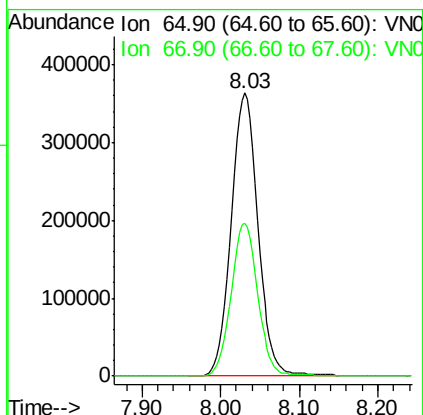
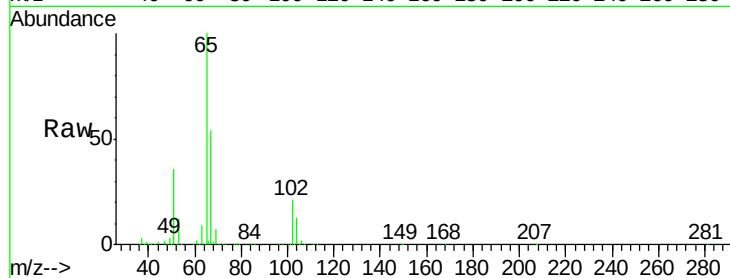




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.91 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049273.D  
 Acq: 15 Jun 2018 21:26

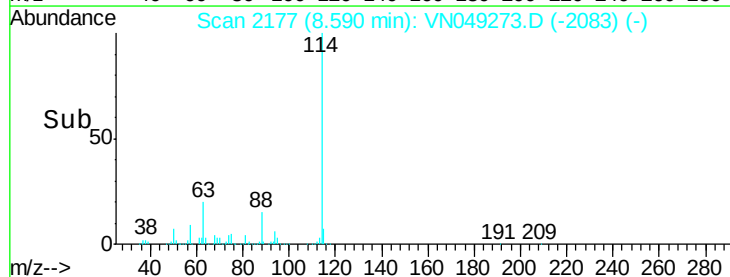
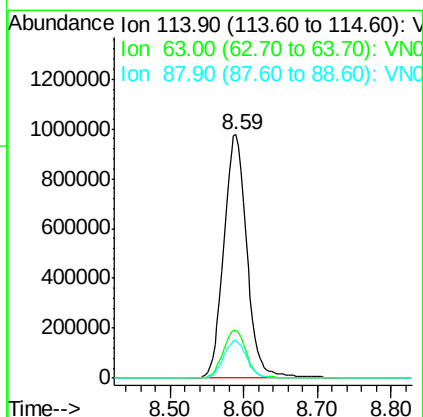
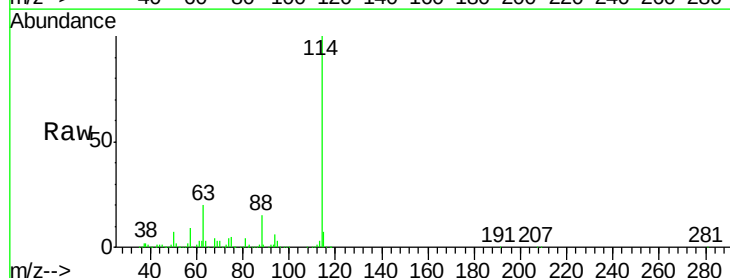
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#04

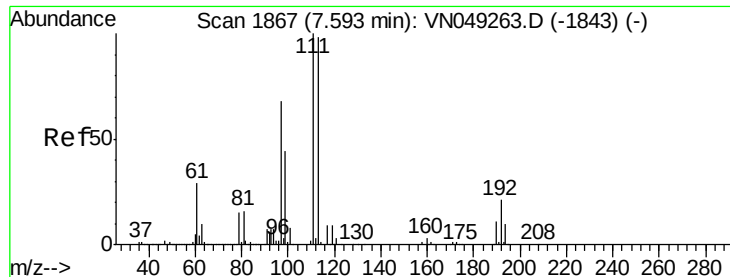
Tot Ion: 65 Resp: 860793  
 Ion Ratio Lower Upper  
 65 100  
 67 53.7 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2177  
 Delta R.T. 0.00 min  
 Lab File: VN049273.D  
 Acq: 15 Jun 2018 21:26

Tgt Ion: 114 Resp: 2122693  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 44.4  
 88 15.3 0.0 31.4

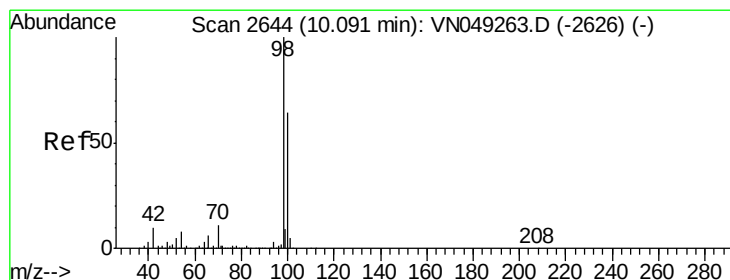
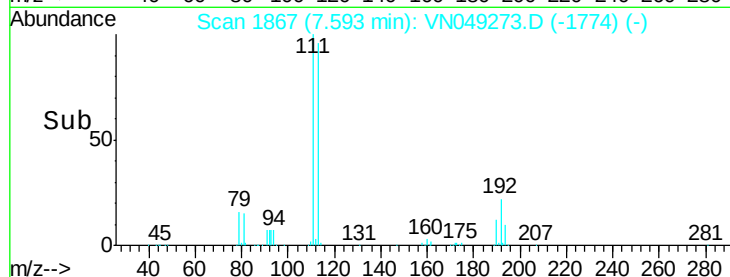
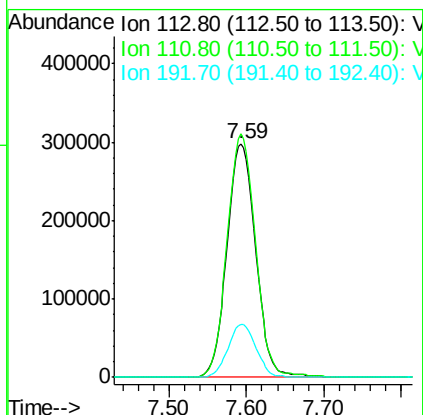
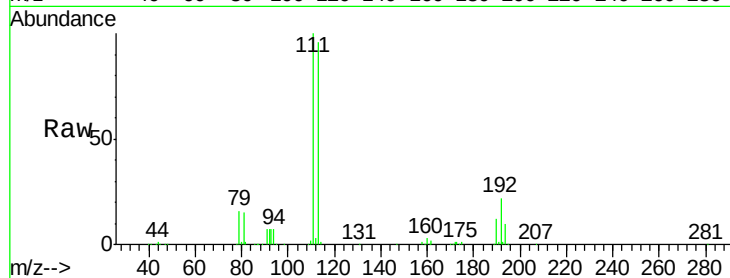




#35  
 Dibromofluoromethane  
 Concen: 44.57 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049273.D  
 Acq: 15 Jun 2018 21:26

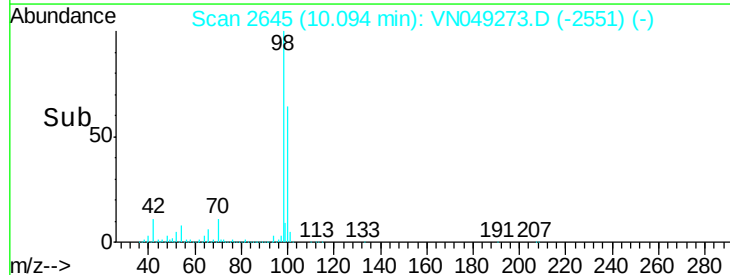
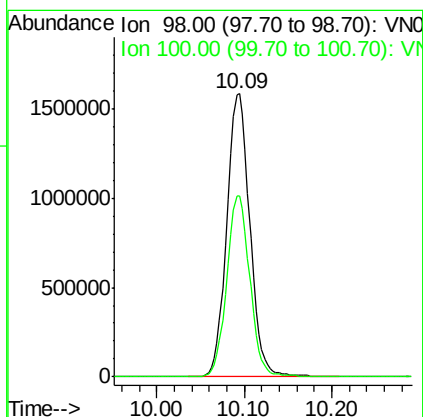
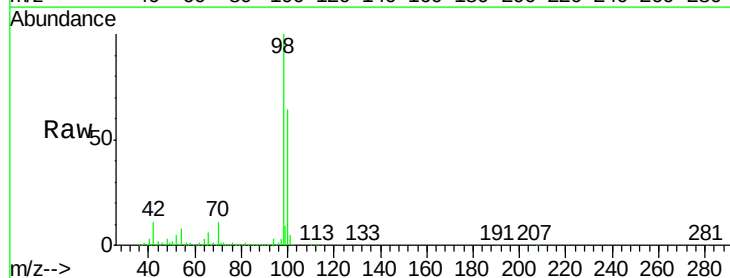
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110255ZHE#04

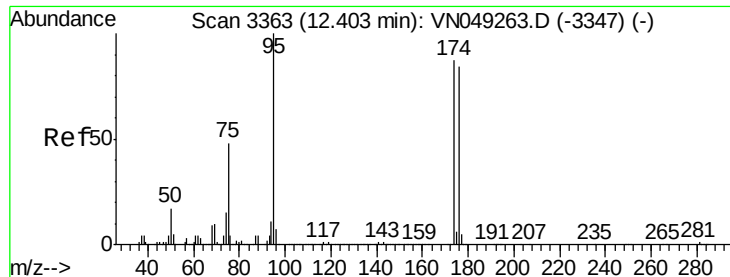
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.2 | 82.4  | 123.6 |
| 192     | 22.3  | 15.0  | 22.6  |



#50  
 Toluene-d8  
 Concen: 44.53 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN049273.D  
 Acq: 15 Jun 2018 21:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 64.0  | 49.8  | 74.8  |





#62

4-Bromofluorobenzene

Concen: 31.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049273.D

Acq: 15 Jun 2018 21:26

Instrument :

MSVOA\_N

ClientSampleId :

PB110255ZHE#04

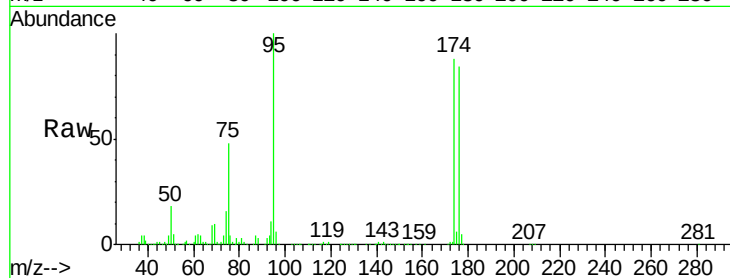
Tot Ion: 95 Resp: 683376

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

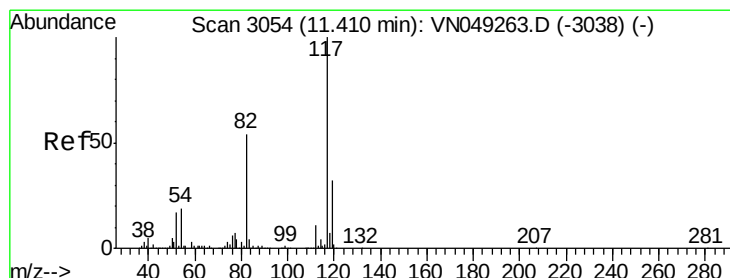
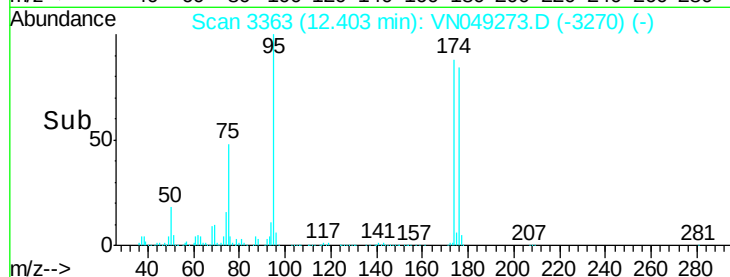
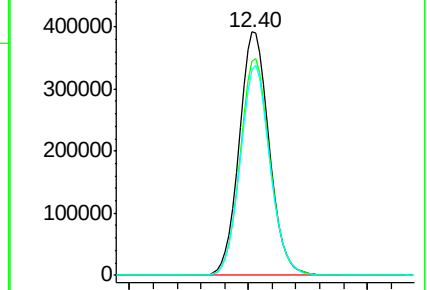
176 85.7 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049273.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049273.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049273.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049273.D

Acq: 15 Jun 2018 21:26

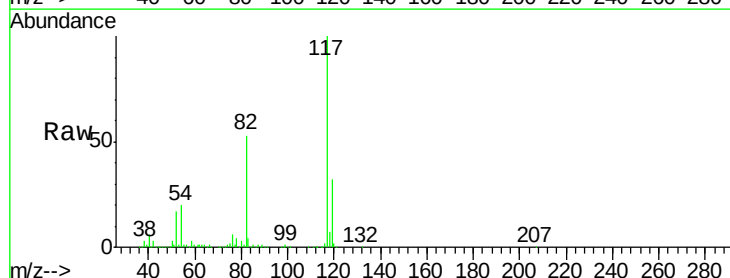
Tgt Ion: 117 Resp: 1695728

Ion Ratio Lower Upper

117 100

82 53.3 45.9 68.9

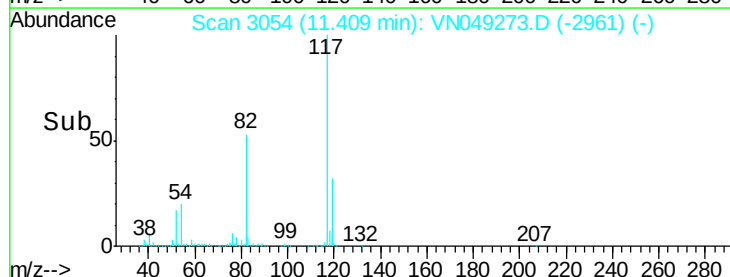
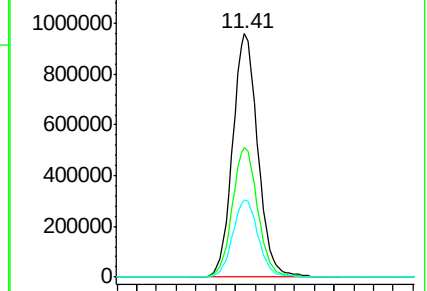
119 31.8 25.5 38.3

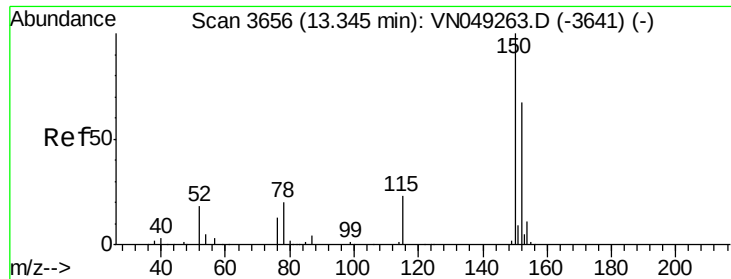


Abundance Ion 116.90 (116.60 to 117.60): VN049273.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049273.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049273.D (-2961) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049273.D

Acq: 15 Jun 2018 21:26

Instrument :

MSVOA\_N

ClientSampleId :

PB110255ZHE#04

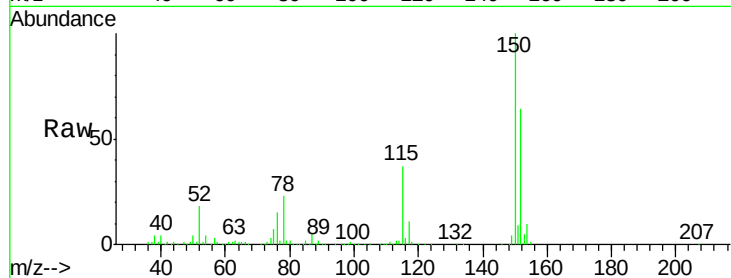
Tot Ion:152 Resp: 460262

Ion Ratio Lower Upper

152 100

115 56.9 28.7 86.1

150 156.5 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

