

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
 Data File : VN049399.D  
 Acq On : 19 Jun 2018 21:13  
 Operator : MD\SY  
 Sample : PB110363ZHE#11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#11

Quant Time: Jun 20 05:24:57 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

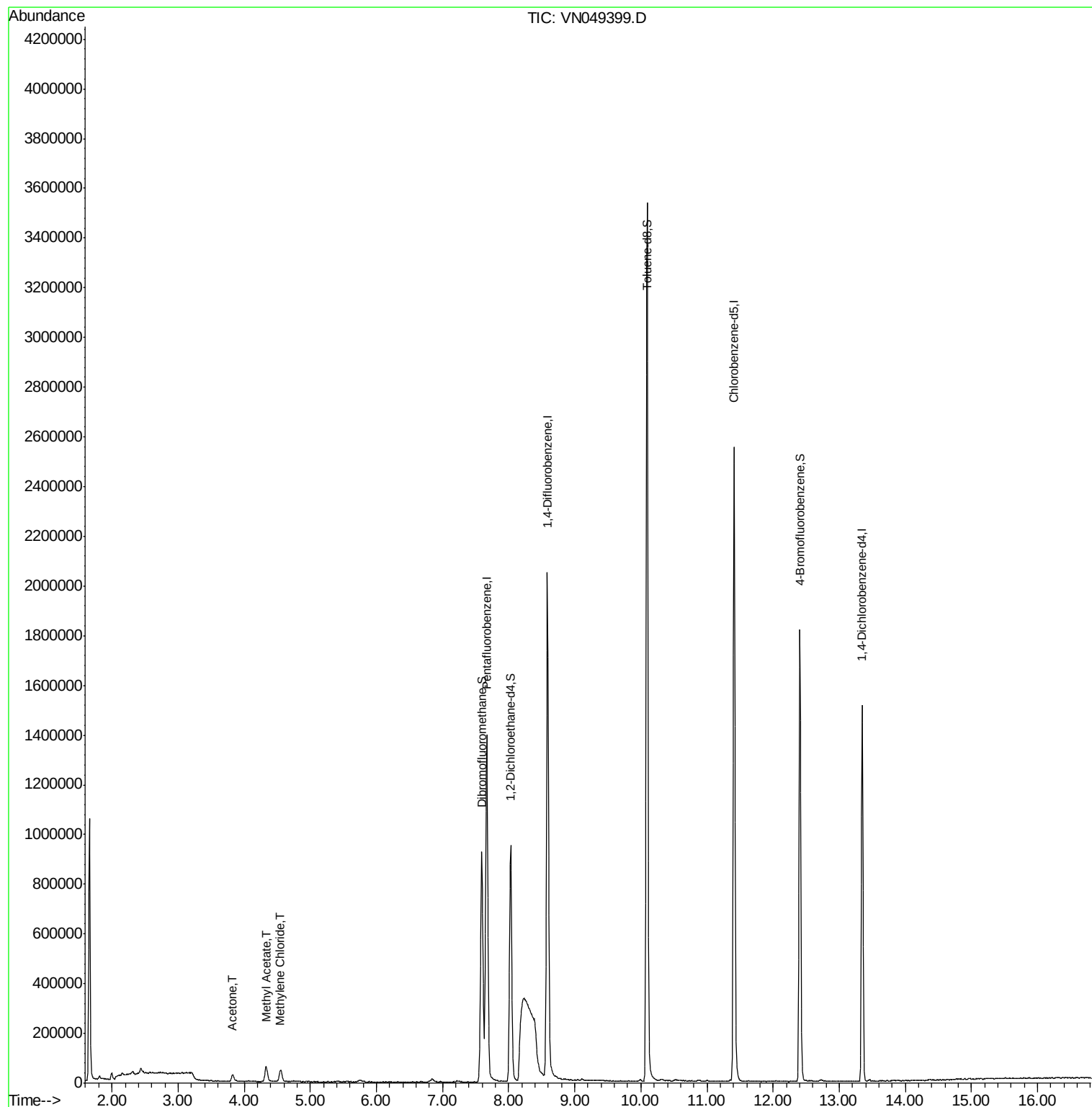
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1195644  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1912259  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1560891  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 439282   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 817767   | 51.57  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.14% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 715689   | 46.26  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 92.52%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2582889  | 43.85  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.70%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 643775   | 33.05  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 66.10%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 44487    | 11.554 | ug/l #  | 89       |
| 18) Methyl Acetate          | 4.33  | 43   | 120081   | 10.228 | ug/l    | 97       |
| 20) Methylene Chloride      | 4.55  | 84   | 34868    | 2.168  | ug/l    | 87       |

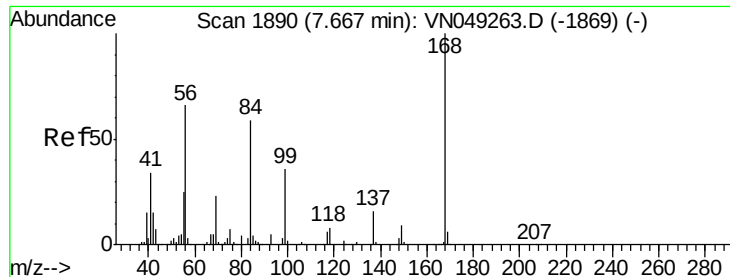
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
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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: VN049399.D

Acq: 19 Jun 2018 21:13

Instrument :

MSVOA\_N

ClientSampleId :

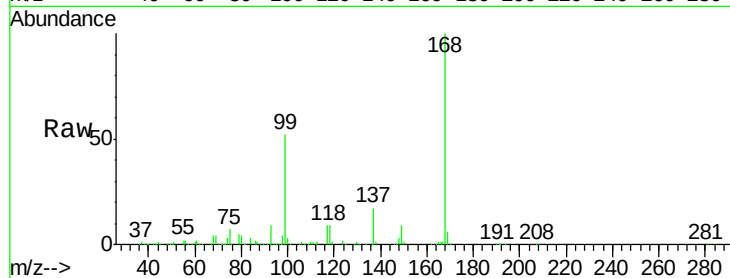
PB110363ZHE#11

Tot Ion:168 Resp: 1195644

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

200000

100000

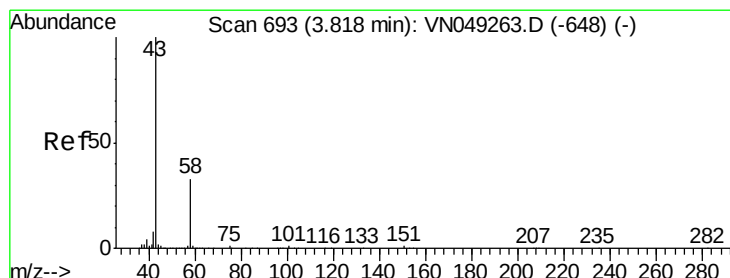
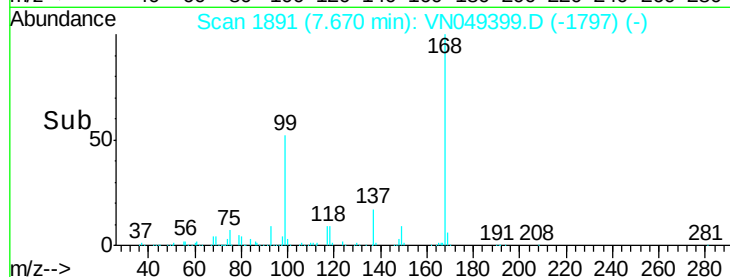
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: 11.554 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049399.D

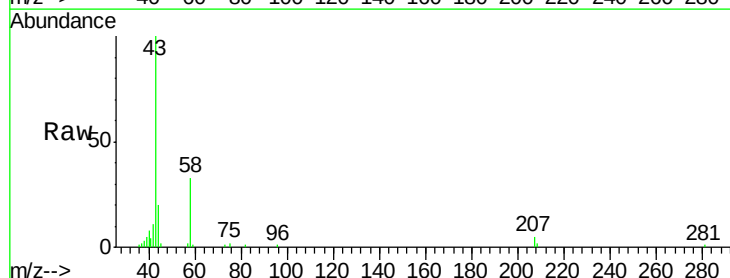
Acq: 19 Jun 2018 21:13

Tgt Ion: 43 Resp: 44487

Ion Ratio Lower Upper

43 100

58 33.9 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

15000

10000

5000

0

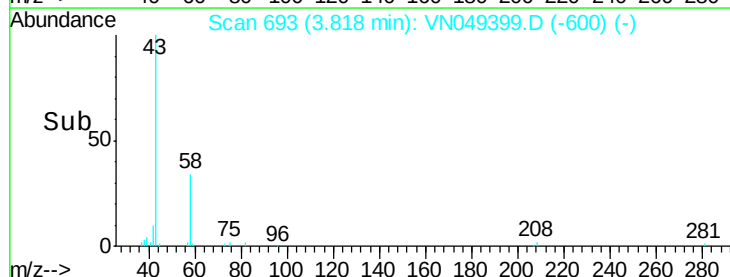
Time-->

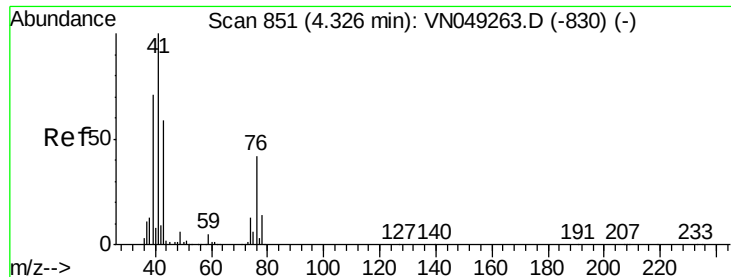
3.75

3.80

3.85

3.90

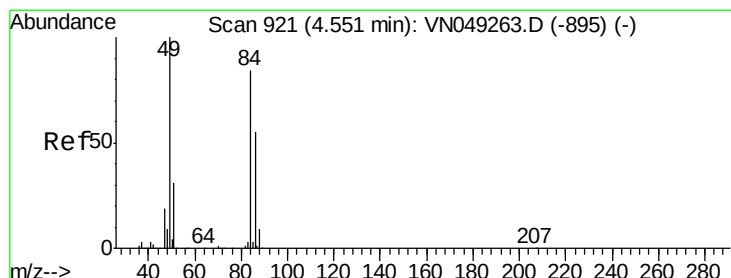
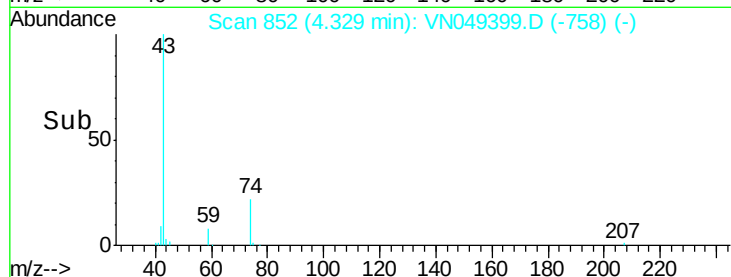
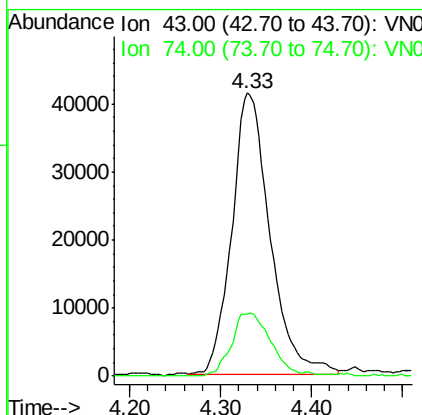
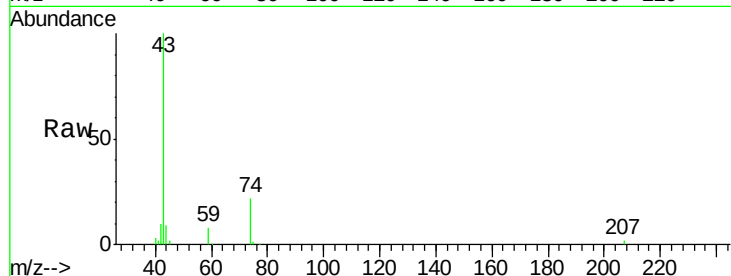




#18  
Methvl Acetate  
Concen: 10.228 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049399.D  
Acq: 19 Jun 2018 21:13

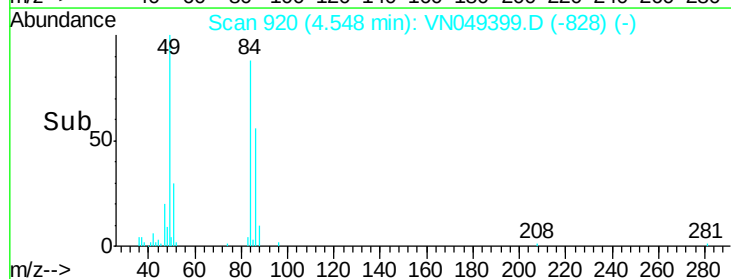
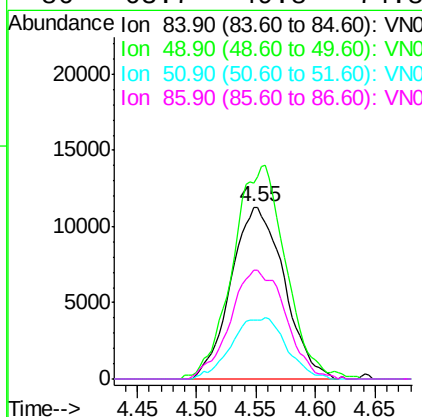
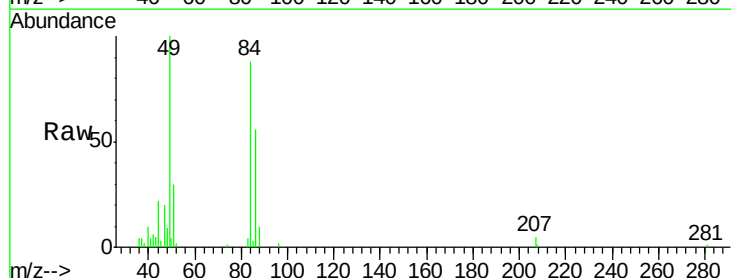
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#11

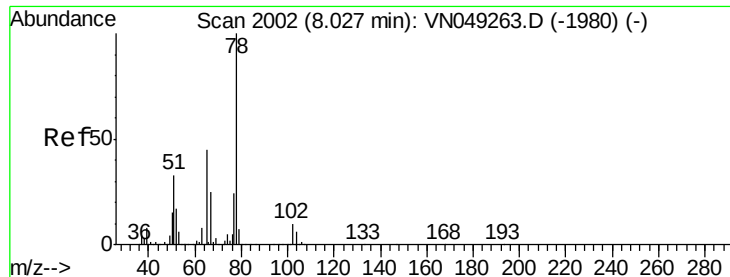
Tot Ion: 43 Resp: 120081  
Ion Ratio Lower Upper  
43 100  
74 22.9 17.4 26.0



#20  
Methylene Chloride  
Concen: 2.168 ug/l  
RT: 4.55 min Scan# 920  
Delta R.T. -0.00 min  
Lab File: VN049399.D  
Acq: 19 Jun 2018 21:13

Tgt Ion: 84 Resp: 34868  
Ion Ratio Lower Upper  
84 100  
49 111.9 106.9 160.3  
51 34.4 32.7 49.1  
86 63.7 49.8 74.8

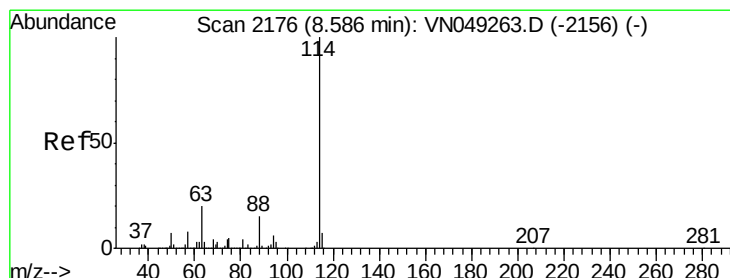
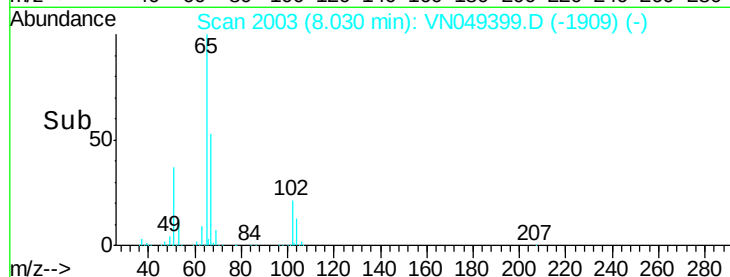
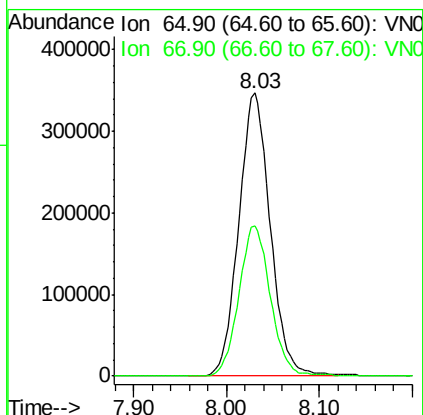
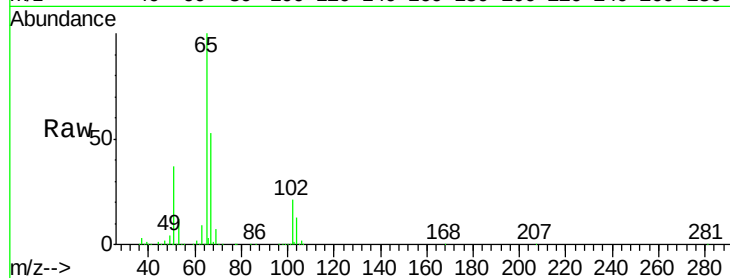




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.567 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049399.D  
 Acq: 19 Jun 2018 21:13

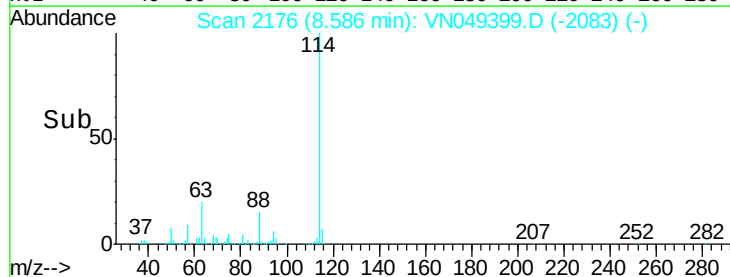
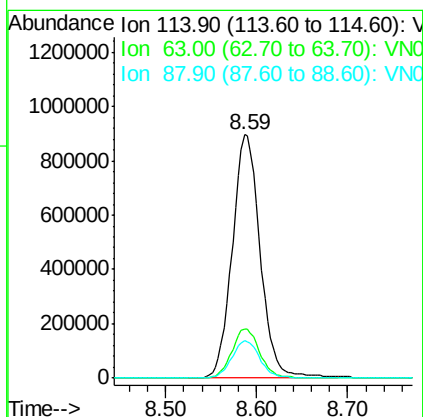
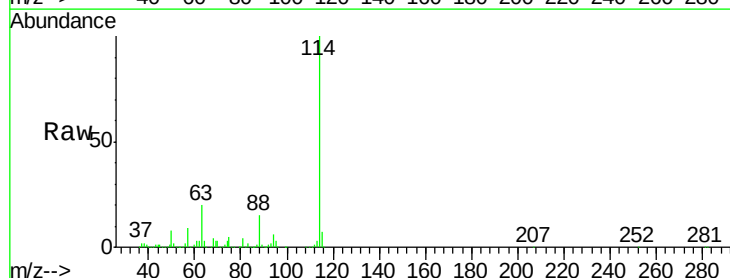
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#11

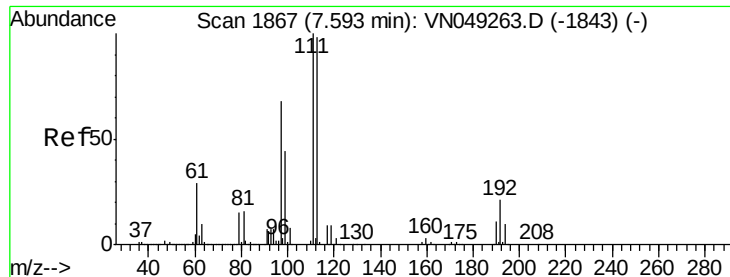
Tot Ion: 65 Resp: 817767  
 Ion Ratio Lower Upper  
 65 100  
 67 53.4 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049399.D  
 Acq: 19 Jun 2018 21:13

Tgt Ion: 114 Resp: 1912259  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 44.4  
 88 15.3 0.0 31.4

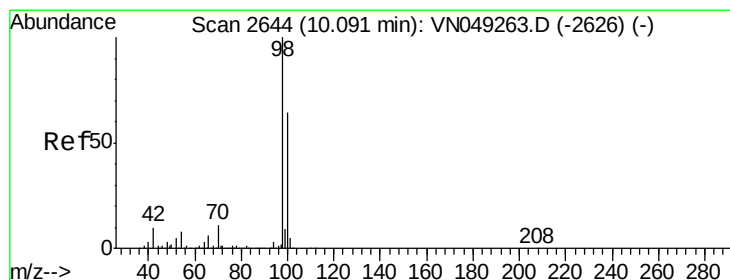
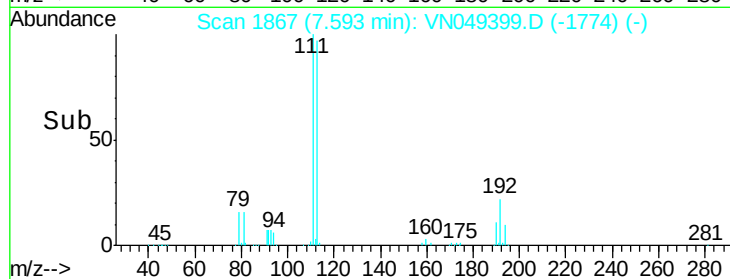
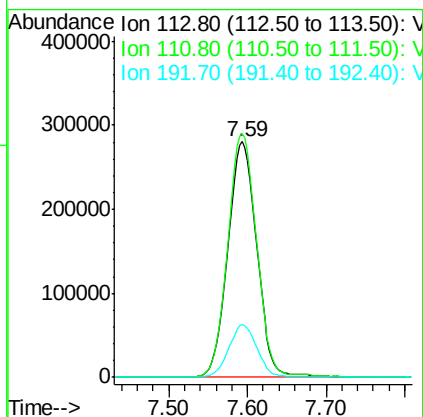
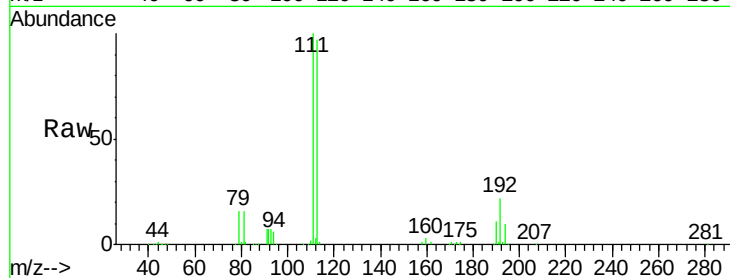




#35  
 Dibromofluoromethane  
 Concen: 46.260 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. -0.00 min  
 Lab File: VN049399.D  
 Acq: 19 Jun 2018 21:13

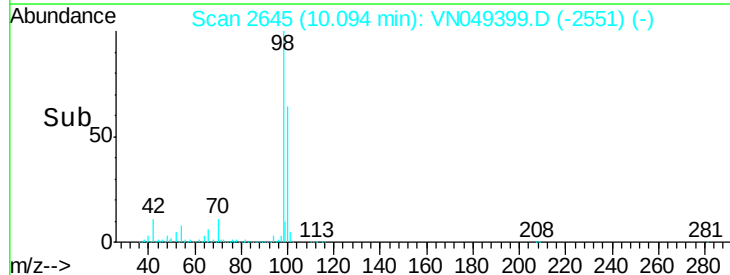
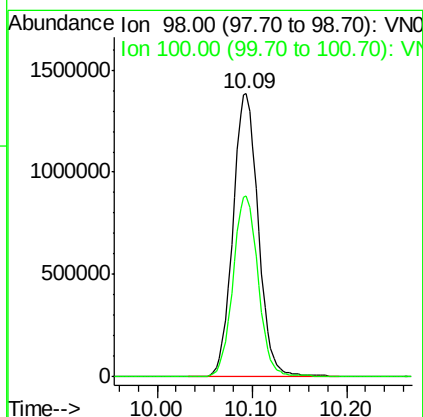
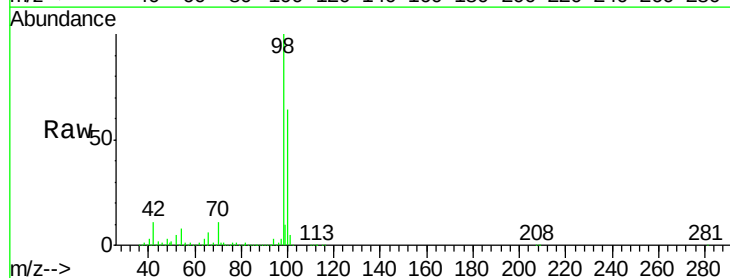
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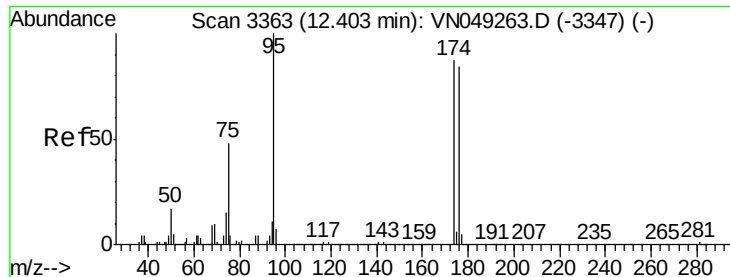
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.3 | 82.4  | 123.6 |
| 192     | 22.0  | 15.0  | 22.6  |



#50  
 Toluene-d8  
 Concen: 43.846 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN049399.D  
 Acq: 19 Jun 2018 21:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.6  | 49.8  | 74.8  |

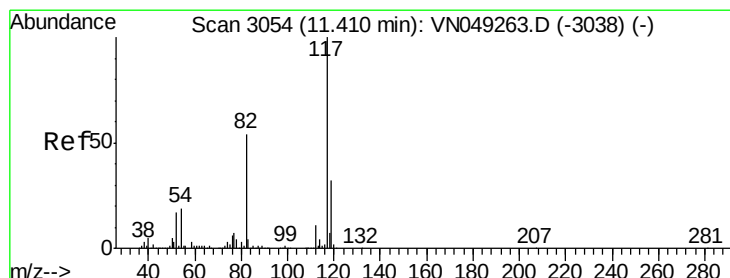
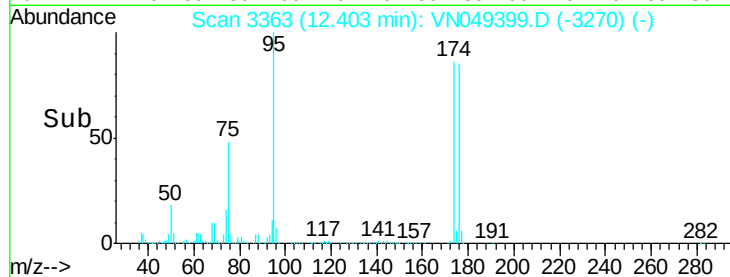
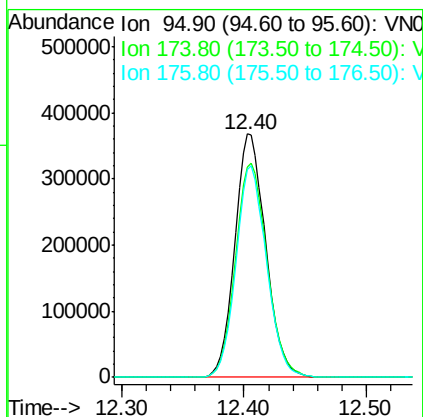
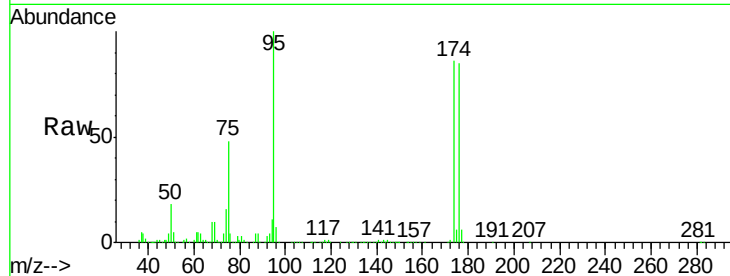




#62  
4-Bromofluorobenzene  
Concen: 33.051 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049399.D  
Acq: 19 Jun 2018 21:13

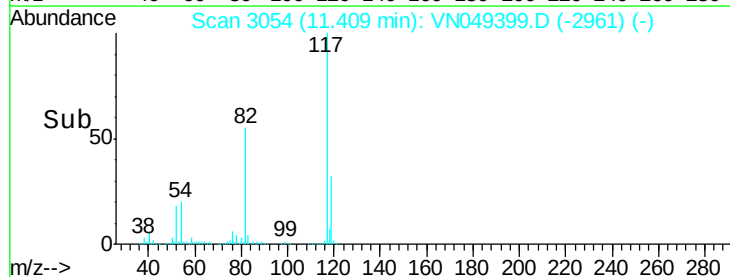
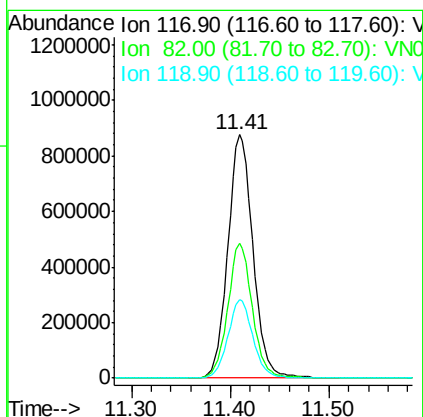
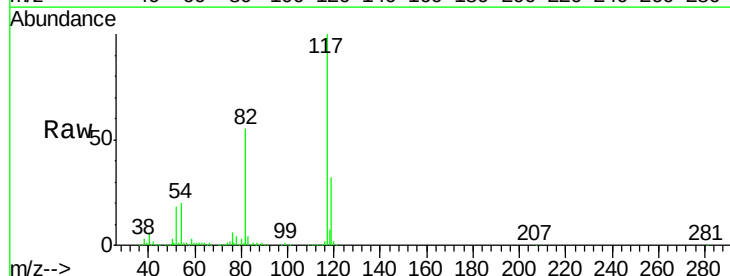
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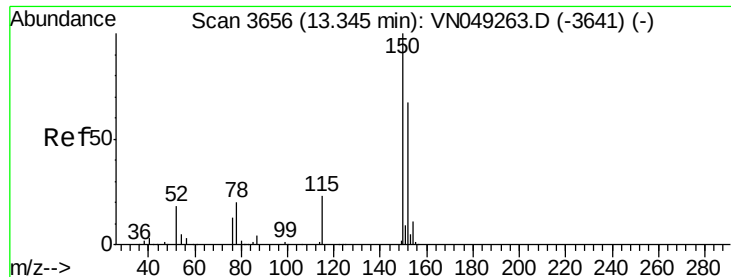
Tot Ion: 95 Resp: 643775  
Ion Ratio Lower Upper  
95 100  
174 90.1 0.0 165.6  
176 86.0 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049399.D  
Acq: 19 Jun 2018 21:13

Tgt Ion: 117 Resp: 1560891  
Ion Ratio Lower Upper  
117 100  
82 55.2 45.9 68.9  
119 32.4 25.5 38.3



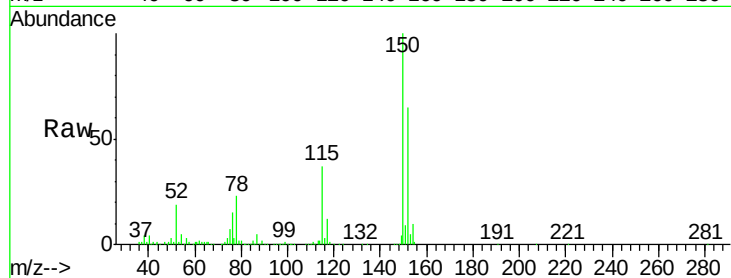


#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN049399.D  
Acq: 19 Jun 2018 21:13

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.4  | 28.7  | 86.1  |
| 150     | 154.7 | 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

