

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
 Data File : VN049400.D  
 Acq On : 19 Jun 2018 21:38  
 Operator : MD\SY  
 Sample : PB110363ZHE#12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#12

Quant Time: Jun 20 05:27:29 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

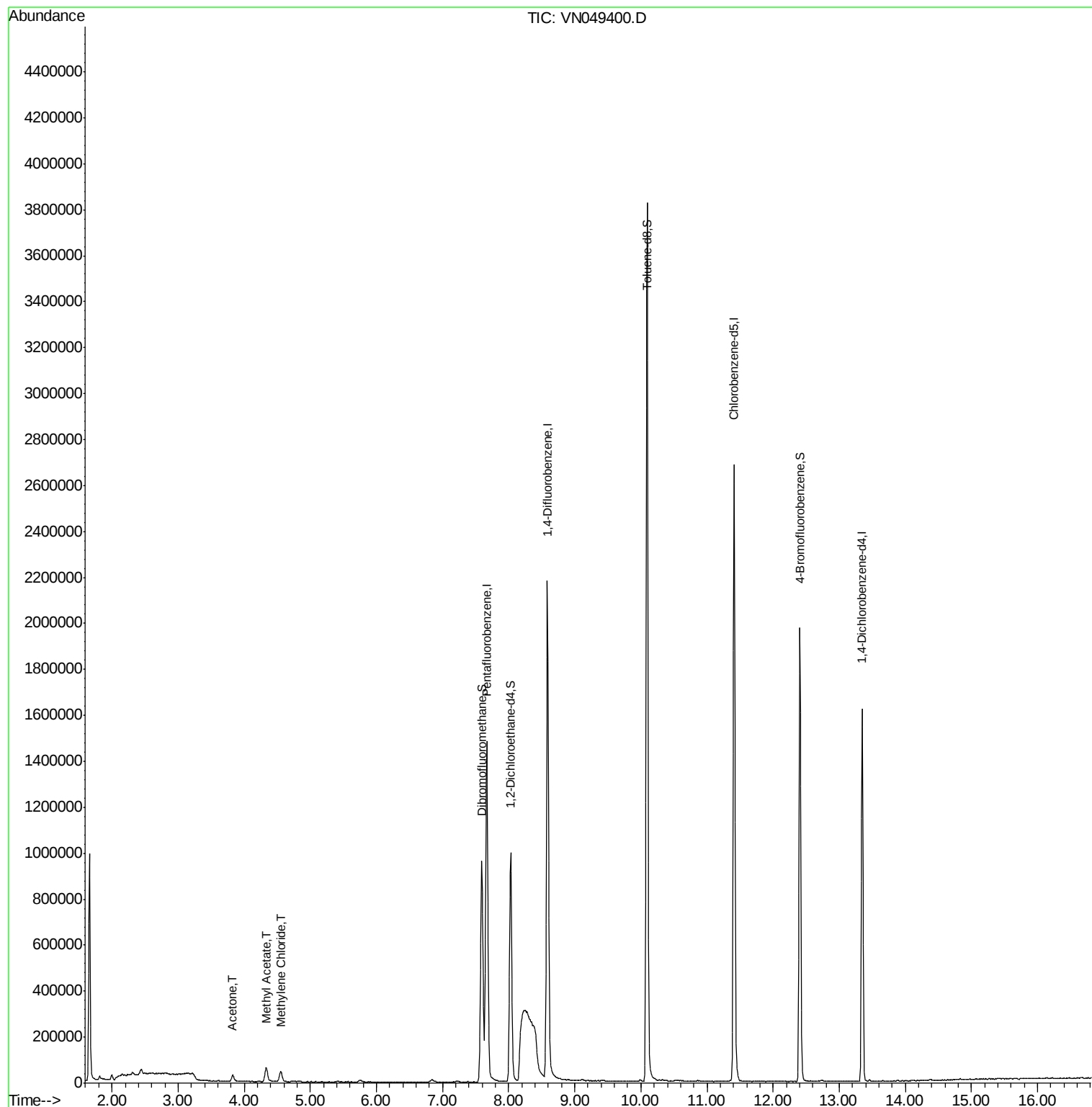
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1252642  | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2053752  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1672558  | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 476391   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 860533   | 51.79  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.58% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 757900   | 45.61  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.22%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 2765197  | 43.71  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.42%  |          |
| 62) 4-Bromofluorobenzene    | 12.41 | 95   | 701535   | 33.54  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 67.08%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 47396    | 11.749 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.34  | 43   | 121505   | 9.878  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.55  | 84   | 32872    | 1.951  | ug/l    | 86       |

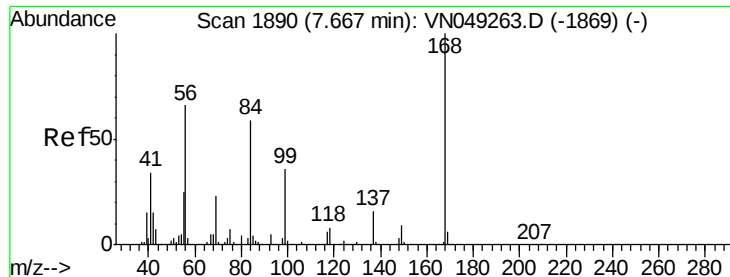
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\  
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Sample : PB110363ZHE#12  
Misc : 5.00mL/MSVOA N/WATER  
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Instrument :  
MSVOA\_N  
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Quant Time: Jun 20 05:27:29 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: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA\_N

ClientSampleId :

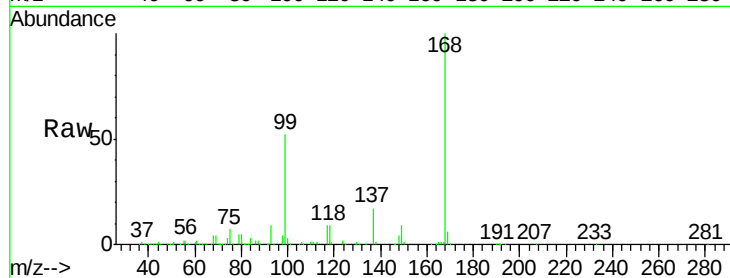
PB110363ZHE#12

Tot Ion:168 Resp: 1252642

Ion Ratio Lower Upper

168 100

99 52.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049400.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049400.D (-1797) (-)

7.67

600000

500000

400000

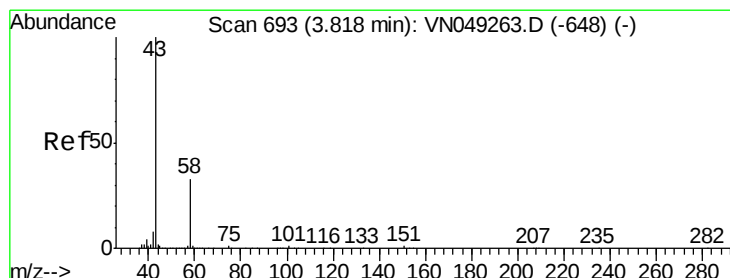
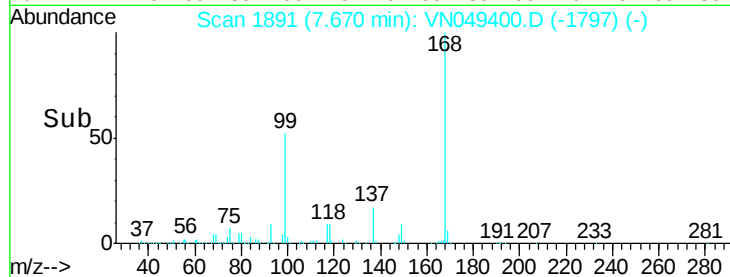
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 11.749 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049400.D

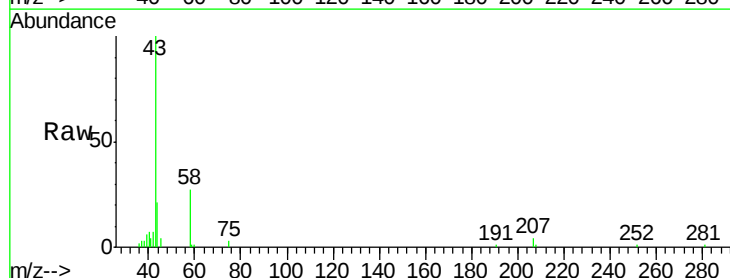
Acq: 19 Jun 2018 21:38

Tgt Ion: 43 Resp: 47396

Ion Ratio Lower Upper

43 100

58 27.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049400.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049400.D (-600) (-)

3.82

20000

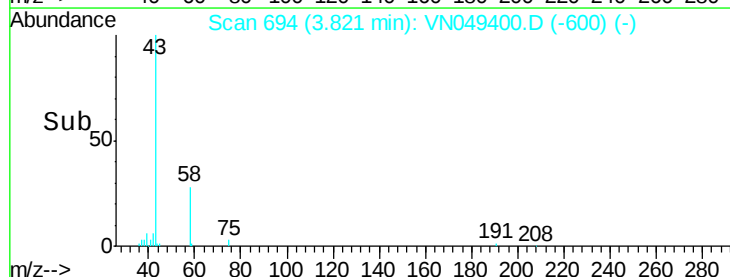
15000

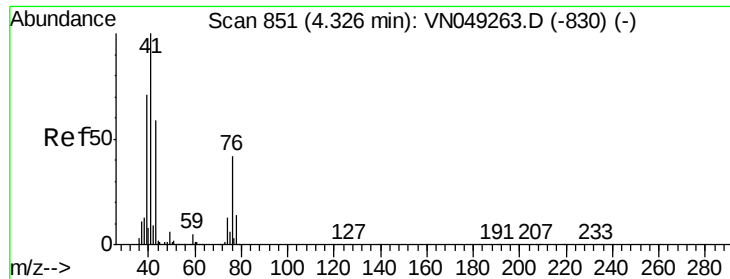
10000

5000

0

Time-->

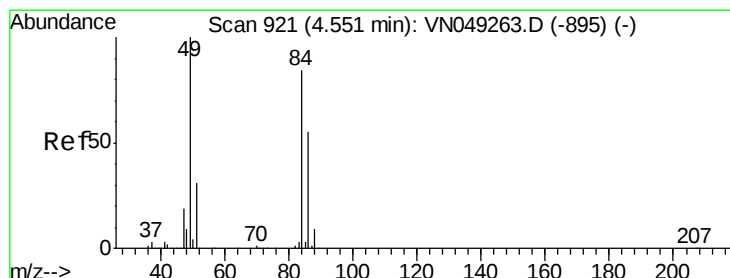
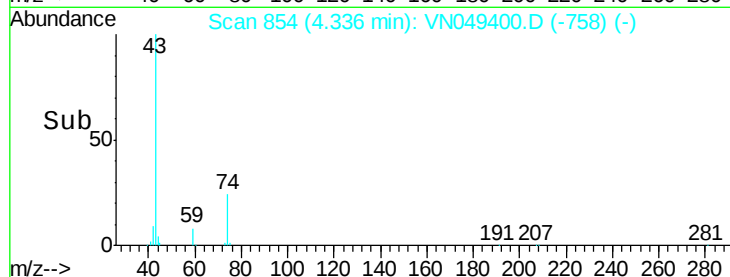
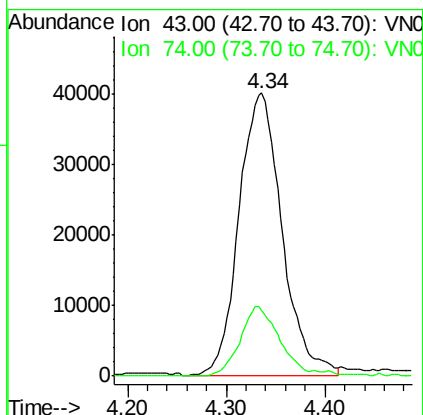
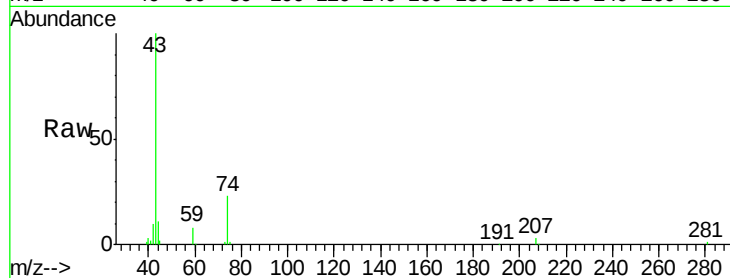




#18  
Methvl Acetate  
Concen: 9.878 ug/l  
RT: 4.34 min Scan# 854  
Delta R.T. 0.01 min  
Lab File: VN049400.D  
Acq: 19 Jun 2018 21:38

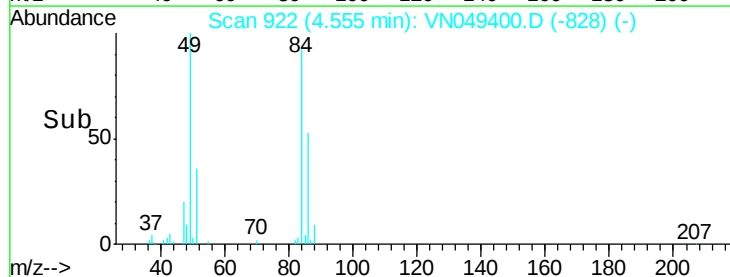
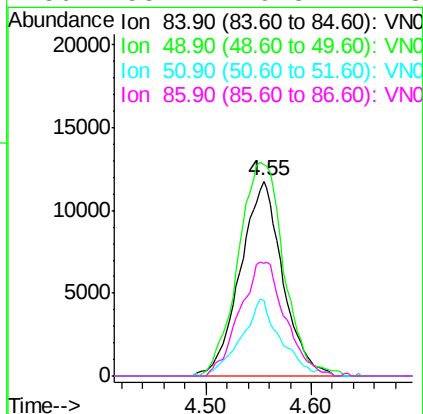
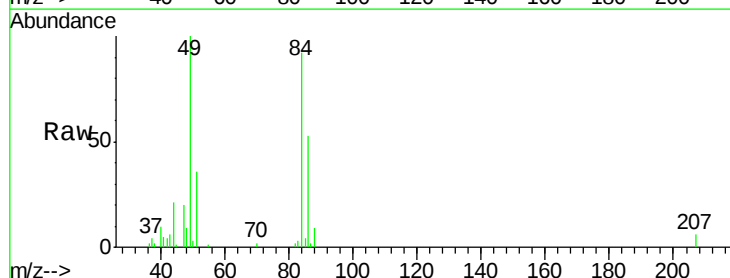
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB110363ZHE#12

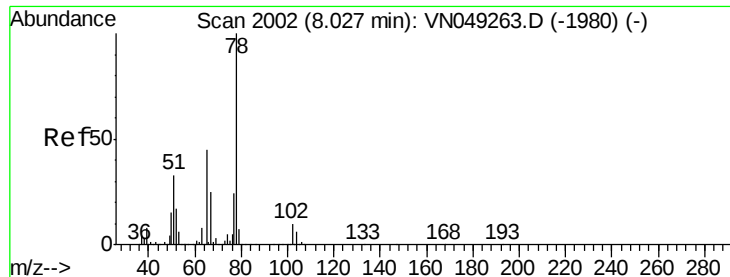
Tot Ion: 43 Resp: 121505  
Ion Ratio Lower Upper  
43 100  
74 22.2 17.4 26.0



#20  
Methylene Chloride  
Concen: 1.951 ug/l  
RT: 4.55 min Scan# 922  
Delta R.T. 0.00 min  
Lab File: VN049400.D  
Acq: 19 Jun 2018 21:38

Tgt Ion: 84 Resp: 32872  
Ion Ratio Lower Upper  
84 100  
49 108.8 106.9 160.3  
51 38.8 32.7 49.1  
86 58.1 49.8 74.8





#33

1,2-Dichloroethane-d4

Concen: 51.795 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA\_N

ClientSampleId :

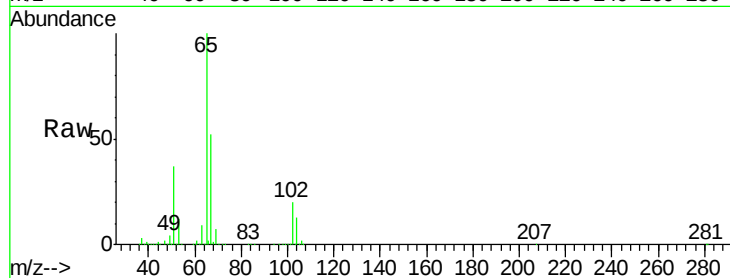
PB110363ZHE#12

Tot Ion: 65 Resp: 860533

Ion Ratio Lower Upper

65 100

67 53.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049400.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049400.D (-1909) (-)

8.03

400000

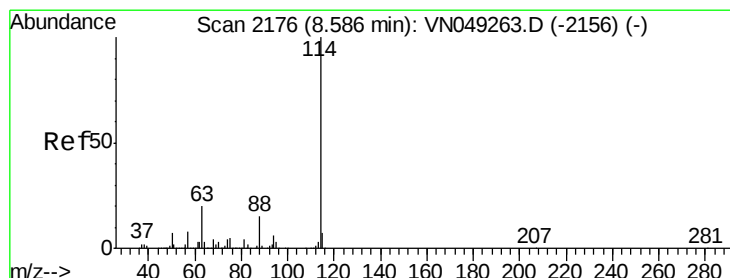
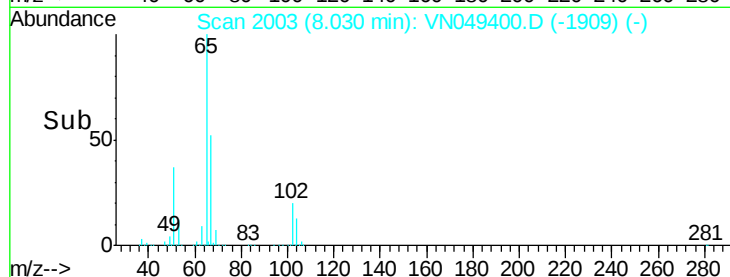
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

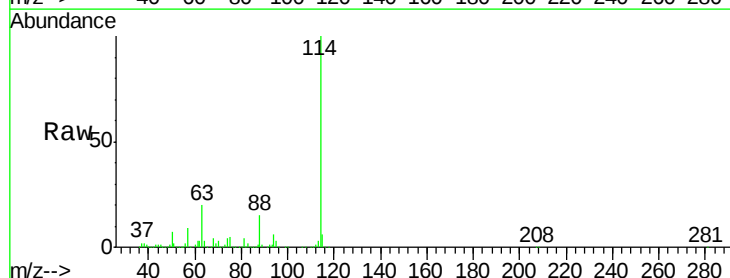
Tgt Ion: 114 Resp: 2053752

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

88 15.1 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049400.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049400.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049400.D (-2083) (-)

8.59

1200000

1000000

800000

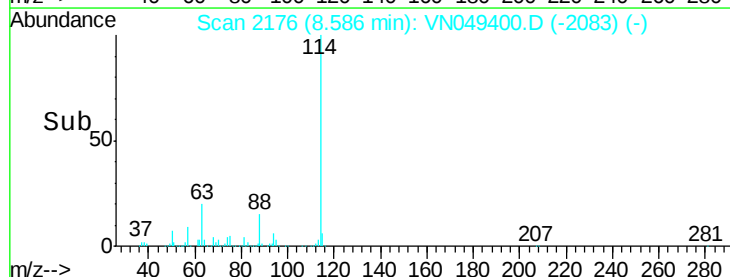
600000

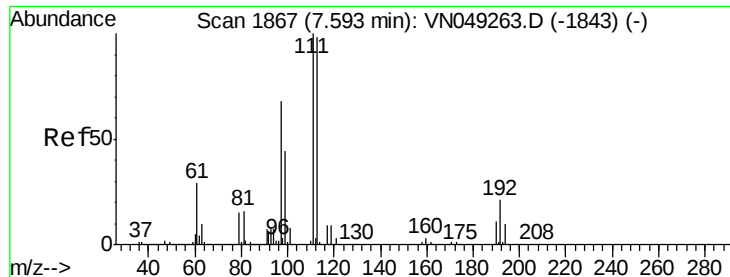
400000

200000

0

Time-->

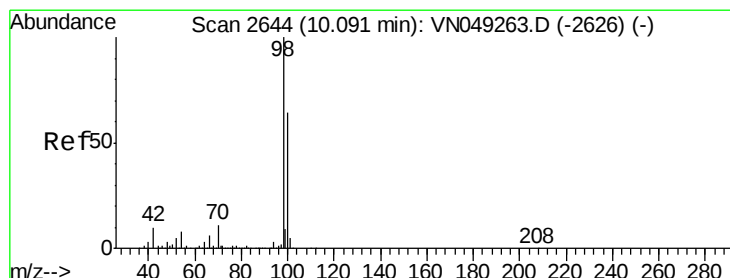
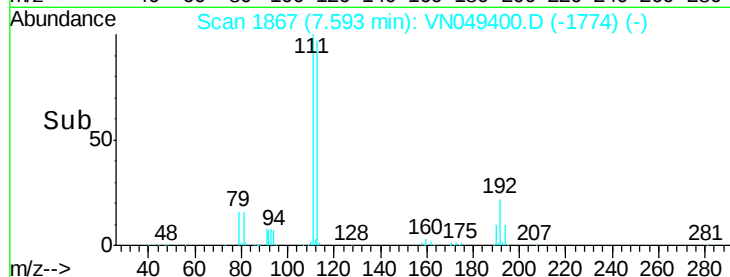
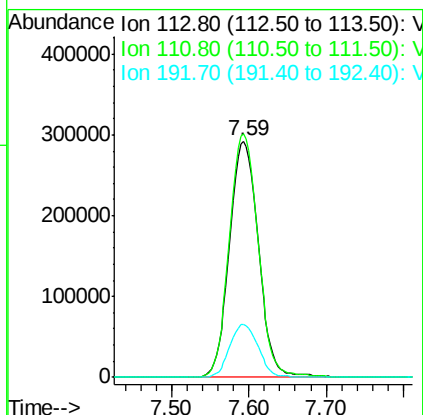
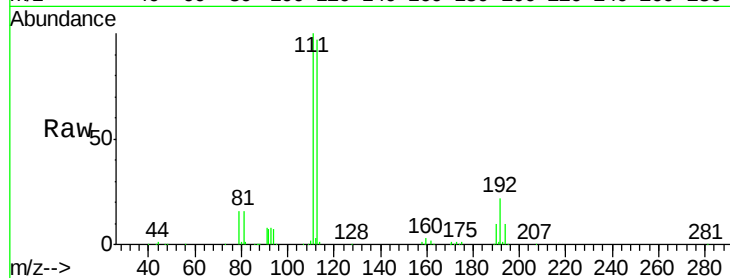




#35  
 Dibromofluoromethane  
 Concen: 45.613 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049400.D  
 Acq: 19 Jun 2018 21:38

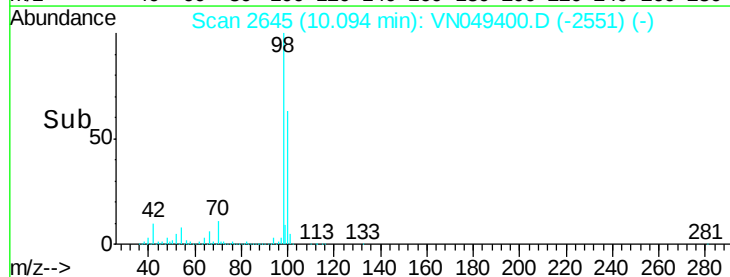
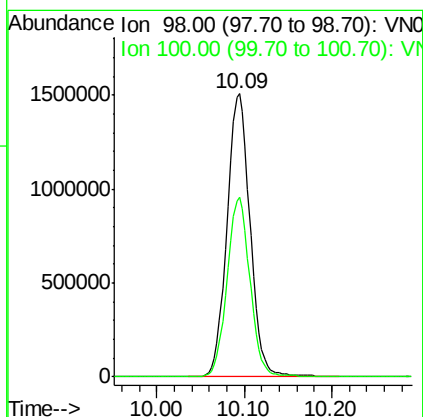
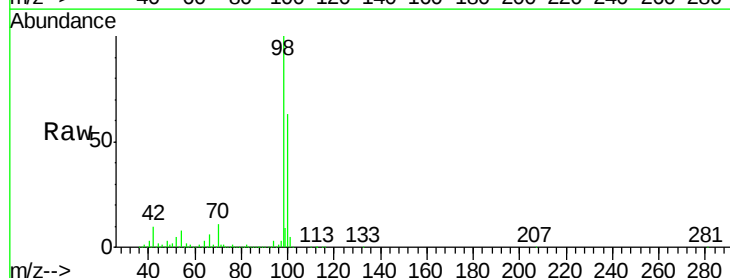
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB110363ZHE#12

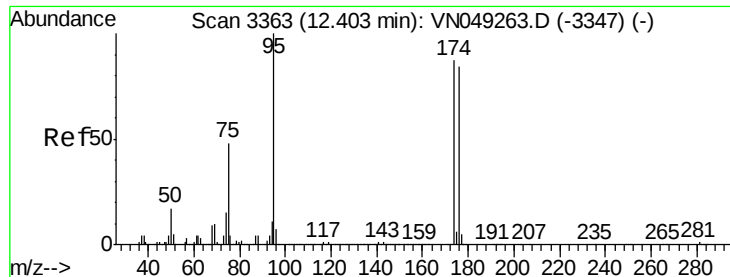
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 82.4  | 123.6 |
| 192     | 22.2  | 15.0  | 22.6  |



#50  
 Toluene-d8  
 Concen: 43.707 ug/l  
 RT: 10.09 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VN049400.D  
 Acq: 19 Jun 2018 21:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.0  | 49.8  | 74.8  |





#62

4-Bromofluorobenzene

Concen: 33.535 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA\_N

ClientSampleId :

PB110363ZHE#12

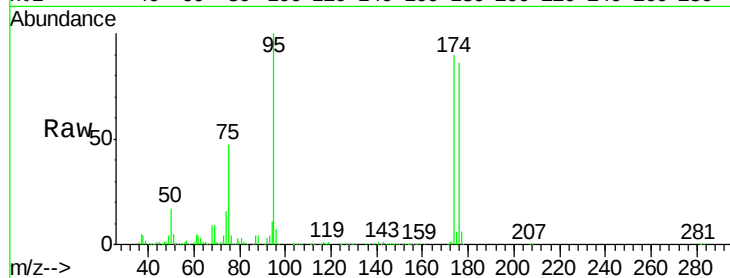
Tot Ion: 95 Resp: 701535

Ion Ratio Lower Upper

95 100

174 89.8 0.0 165.6

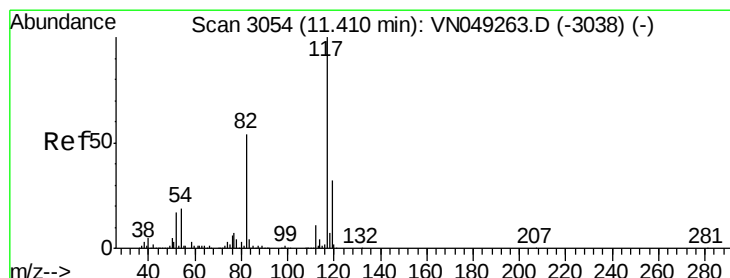
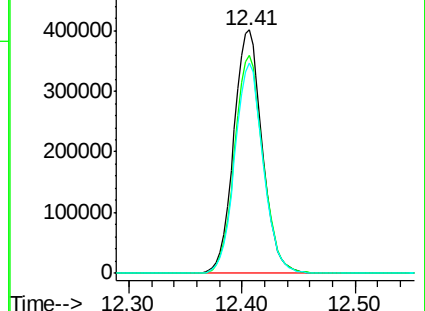
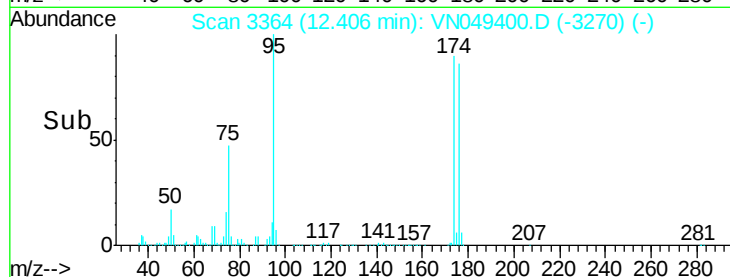
176 85.8 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049400.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049400.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049400.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

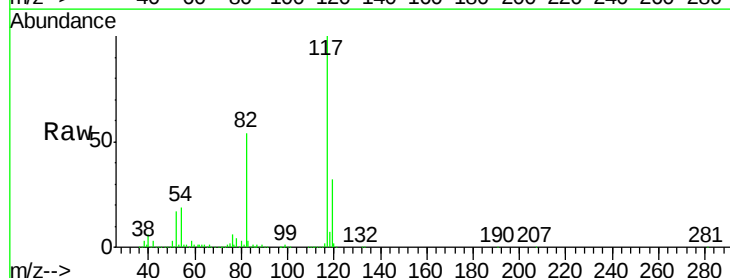
Tgt Ion: 117 Resp: 1672558

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

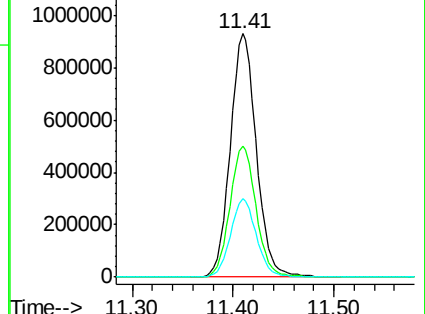
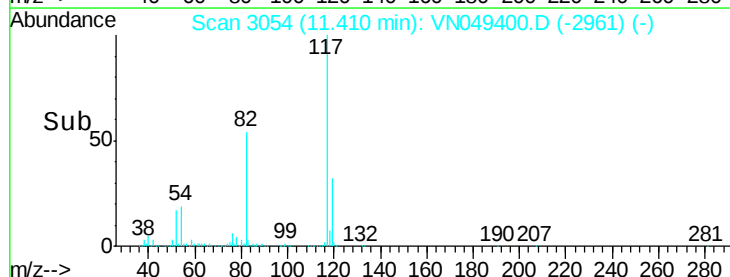
119 32.1 25.5 38.3

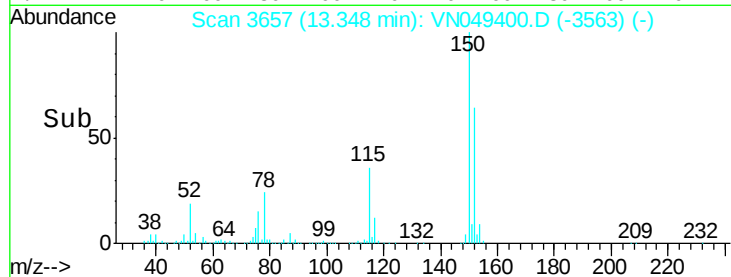
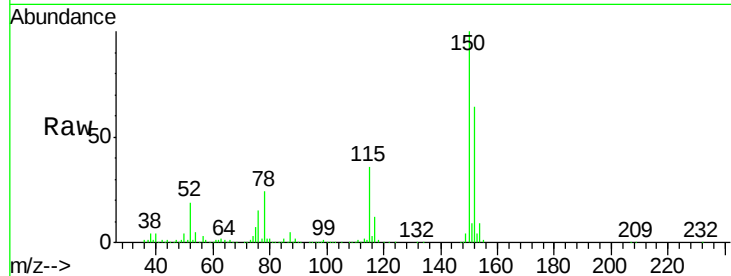
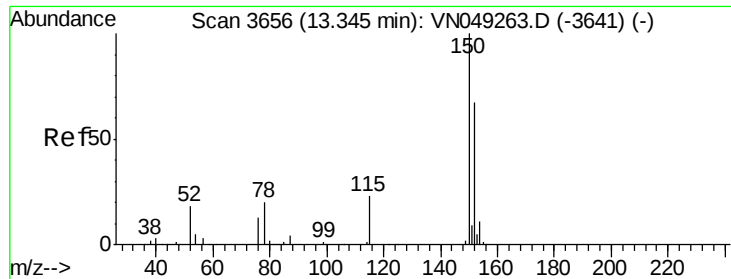


Abundance Ion 116.90 (116.60 to 117.60): VN049400.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049400.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049400.D (-2961) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049400.D

Acq: 19 Jun 2018 21:38

Instrument :

MSVOA\_N

ClientSampleId :

PB110363ZHE#12

Tot Ion:152 Resp: 476391

Ion Ratio Lower Upper

152 100

115 55.6 28.7 86.1

150 155.5 0.0 351.0

