

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101018\  
 Data File : VN051800.D  
 Acq On : 10 Oct 2018 19:03  
 Operator : MD\SY  
 Sample : PB113684ZHE#11  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113684ZHE#11

Manual Integrations  
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 10/11/2018 5:51:24 PM

Quant Time: Oct 11 04:09:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 06:03:49 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 778440   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1121594  | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1030732  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 410286   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 456920   | 44.43  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 88.86% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 416181   | 47.99  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 95.98% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1602254  | 49.53  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.06% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 475026   | 41.48  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 82.96% |          |
| Target Compounds            |       |      |          |        |        |          |
| 18) Methyl Acetate          | 4.34  | 43   | 16953m   | 2.987  | ug/l   |          |
| 20) Methylene Chloride      | 4.55  | 84   | 8832     | 1.044  | ug/l # | 85       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 396005   | 31.064 | ug/l # | 92       |

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

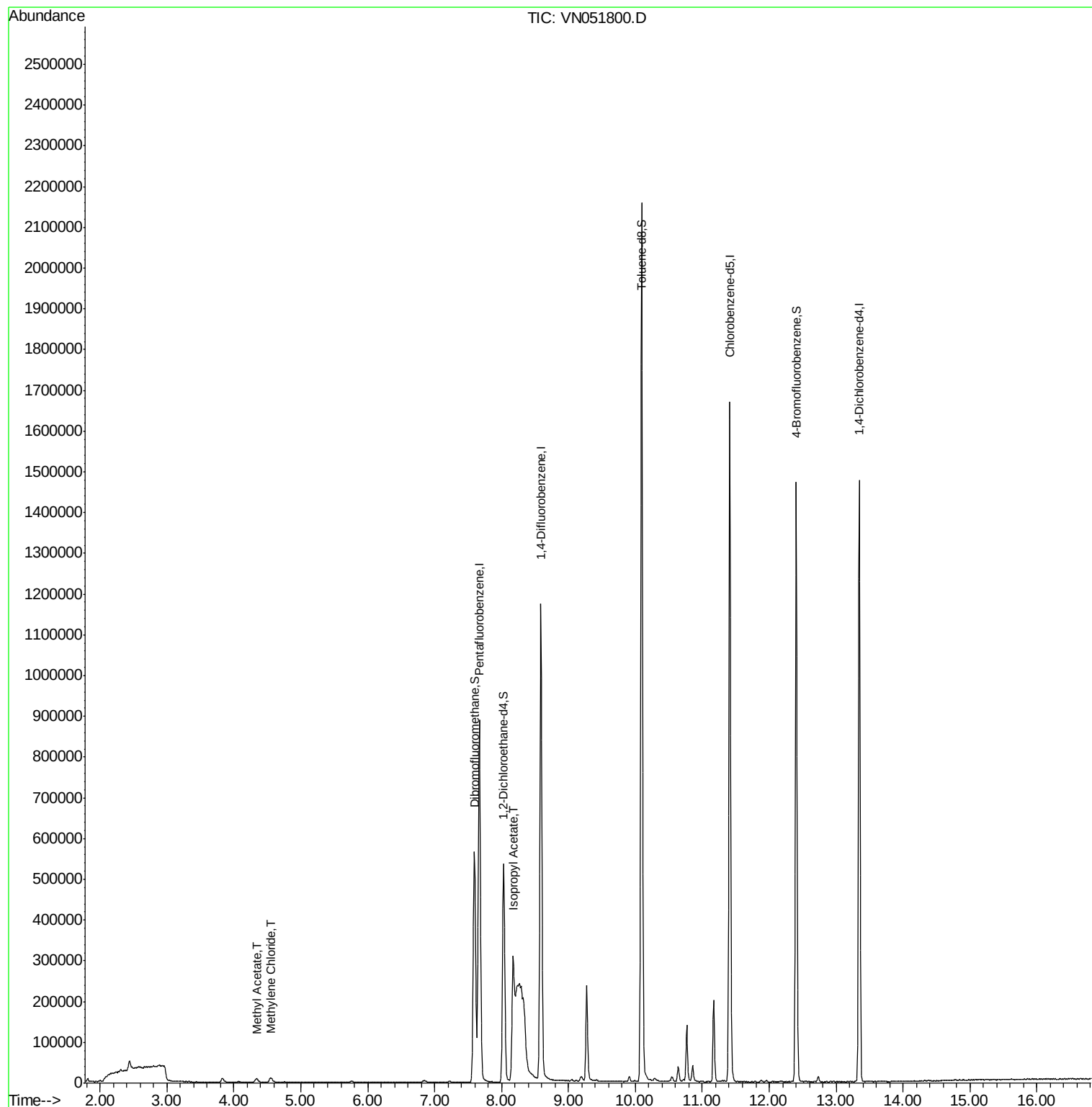
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101018\  
Data File : VN051800.D  
Acq On : 10 Oct 2018 19:03  
Operator : MD\SY  
Sample : PB113684ZHE#11  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 28

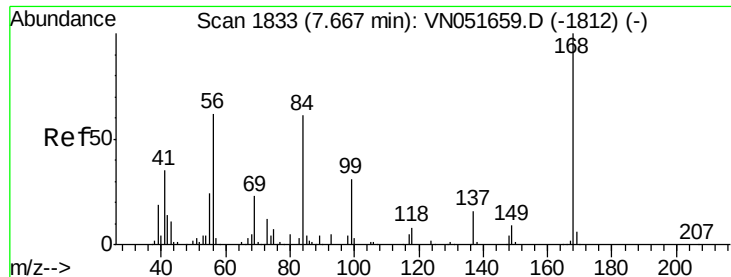
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113684ZHE#11

Manual Integrations  
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Quant Time: Oct 11 04:09:55 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N100418W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 09 06:03:49 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051800.D

Acq: 10 Oct 2018 19:03

Instrument :

MSVOA\_N

ClientSampleId :

PB113684ZHE#11

Tot Ion:168 Resp: 778440

Ion Ratio Lower Upper

168 100

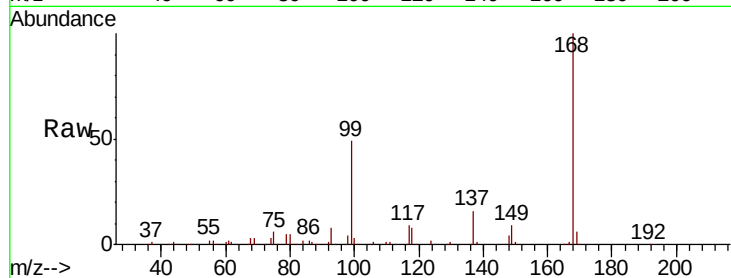
99 48.7 40.4 60.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

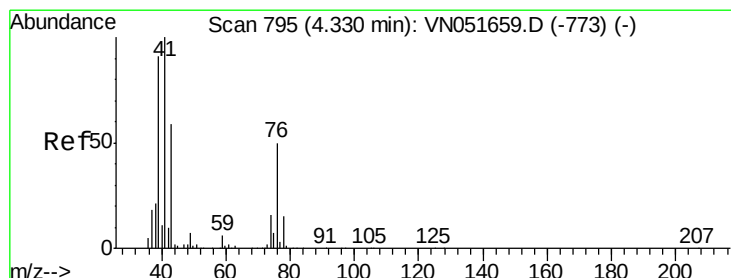
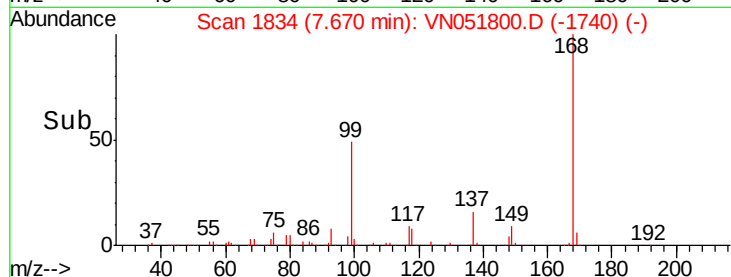
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 2.987 ug/l m

RT: 4.34 min Scan# 799

Delta R.T. 0.01 min

Lab File: VN051800.D

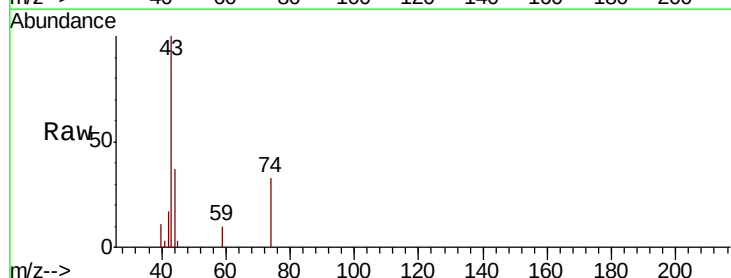
Acq: 10 Oct 2018 19:03

Tgt Ion: 43 Resp: 16953

Ion Ratio Lower Upper

43 100

74 24.6 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.34

6000

5000

4000

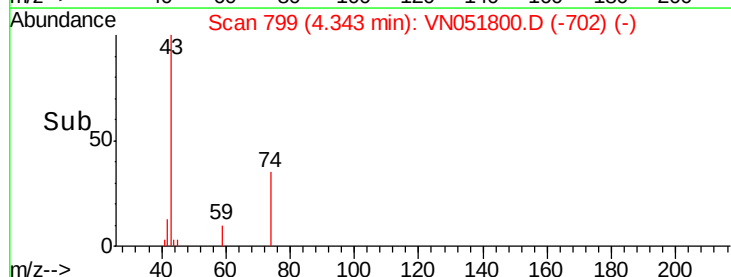
3000

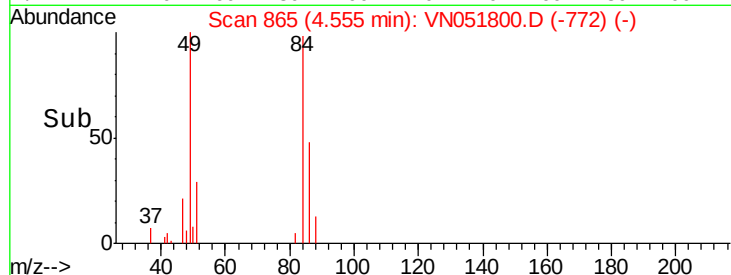
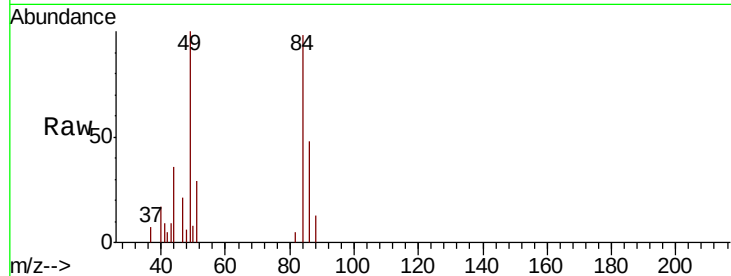
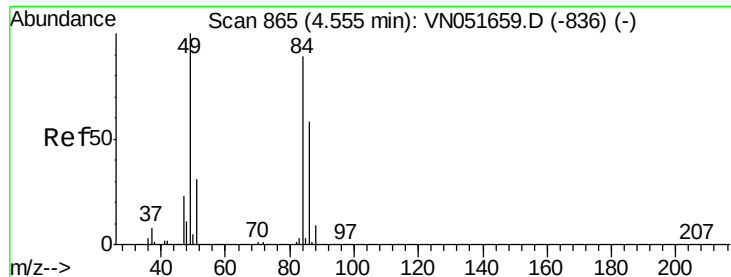
2000

1000

0

Time-->





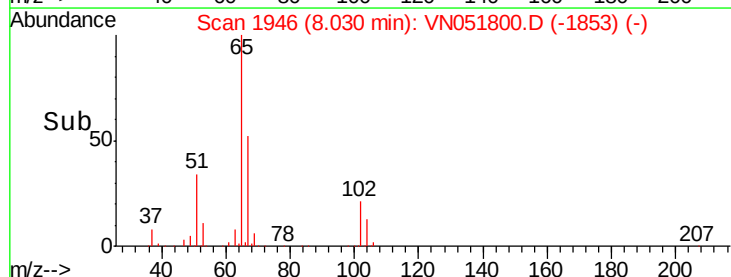
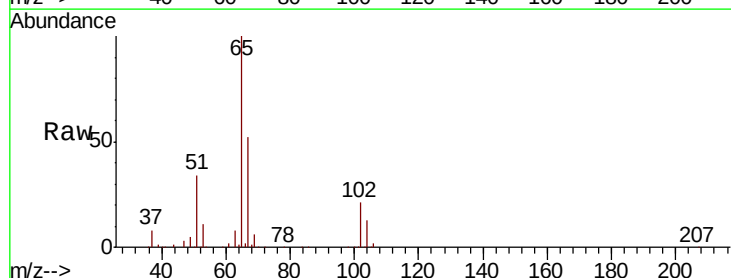
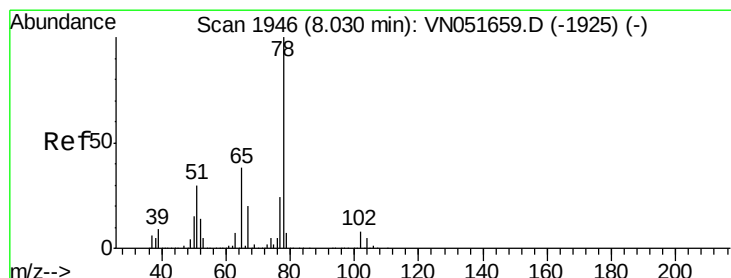
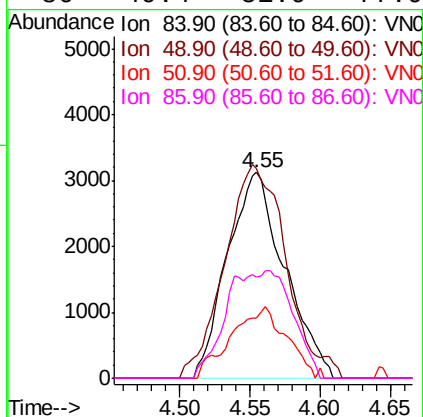
#20  
Methvlene Chloride  
Concen: 1.044 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 84      | 100  |       |       |       |
| 49      | 97.3 | 89.5  | 134.3 |       |
| 51      | 29.3 | 27.4  | 41.0  |       |
| 86      | 49.4 | 51.9  | 77.9  |       |

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113684ZHE#11

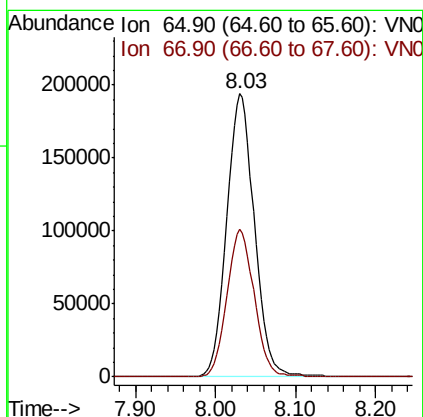
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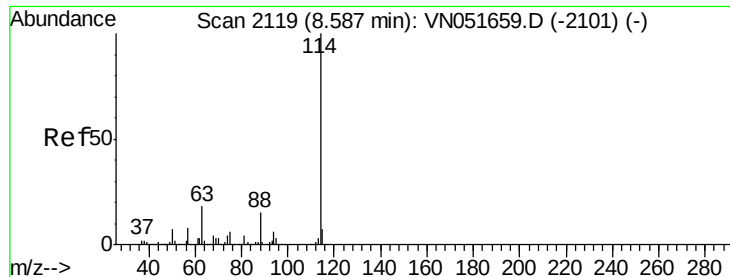
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#33  
1,2-Dichloroethane-d4  
Concen: Below ug/l  
RT: 8.03 min Scan# 1946  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 65      | 100  |       |       |       |
| 67      | 51.3 | 0.0   | 103.6 |       |





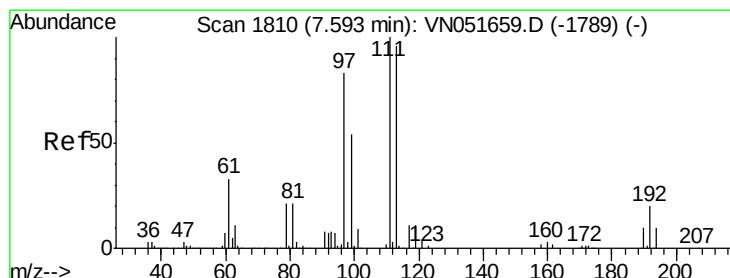
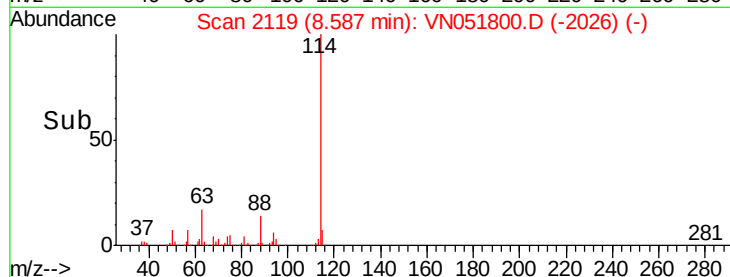
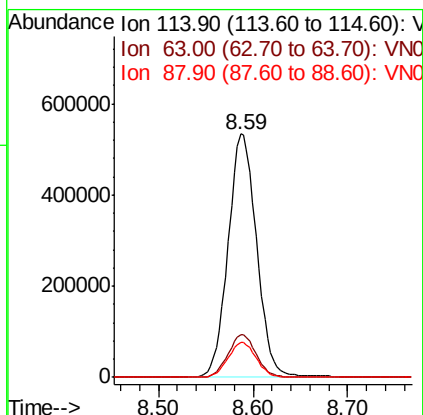
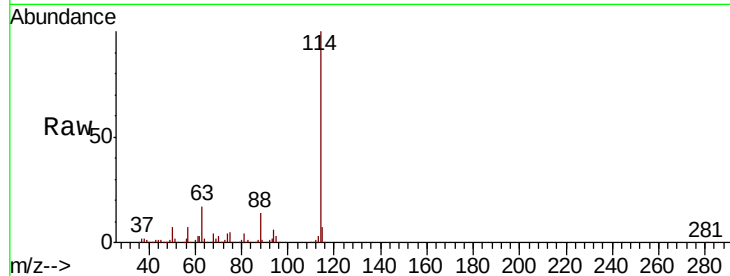
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2119  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113684ZHE#11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 17.4  | 0.0   | 36.2  |
| 88      | 14.3  | 0.0   | 30.2  |

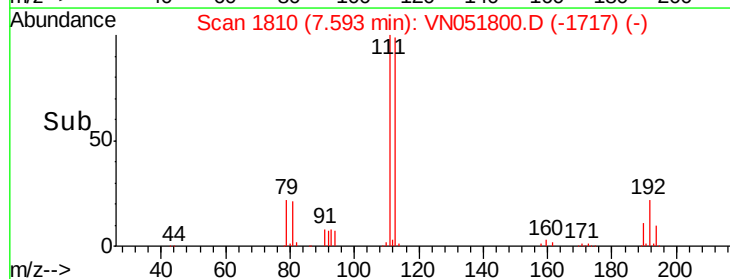
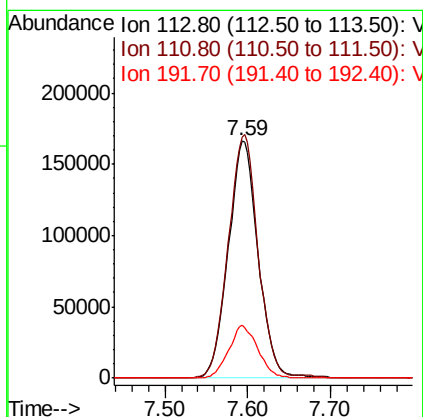
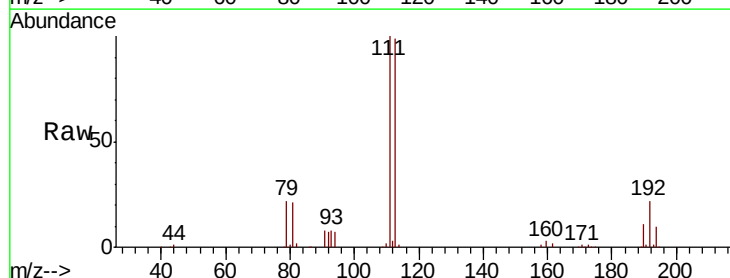
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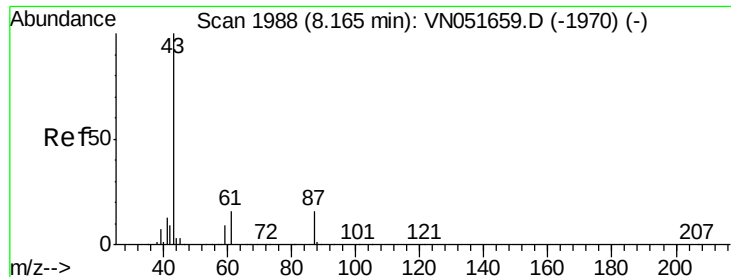
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#35  
Dibromofluoromethane  
Concen: 50.000 ug/l  
RT: 7.59 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.1 | 81.8  | 122.8 |
| 192     | 21.7  | 16.5  | 24.7  |





#43

Isopropyl Acetate

Concen: 31.064 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051800.D

Acq: 10 Oct 2018 19:03

Instrument :

MSVOA\_N

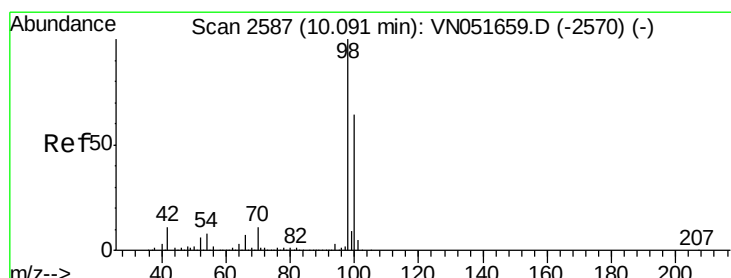
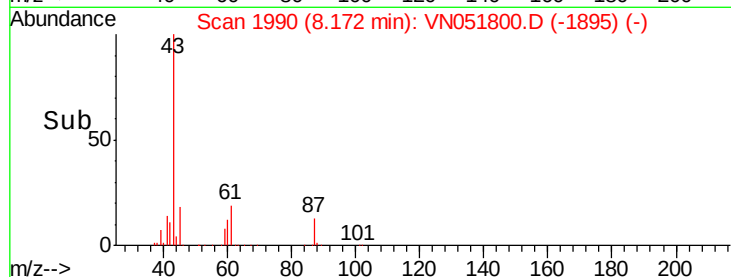
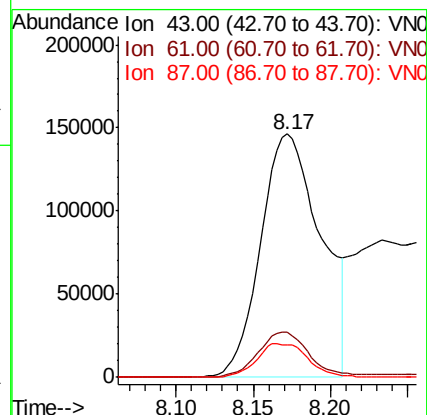
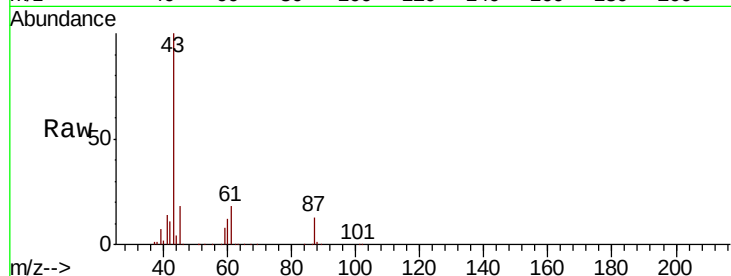
ClientSampleId :

PB113684ZHE#11

| Tot Ion | 43    | Resp  | 396005 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 43      | 100   |       |        |
| 61      | 16.4  | 15.8  | 23.6   |
| 87      | 12.0  | 12.6  | 19.0#  |

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#50

Toluene-d8

Concen: N.D. ug/l

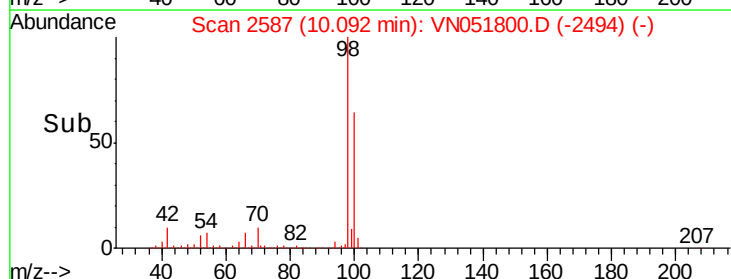
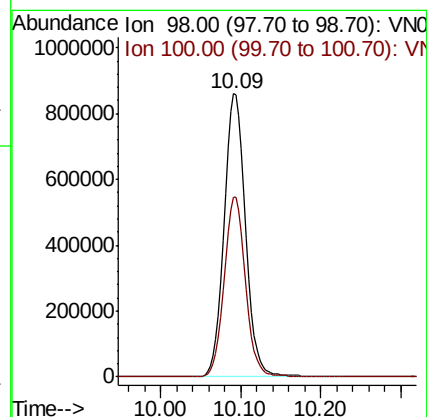
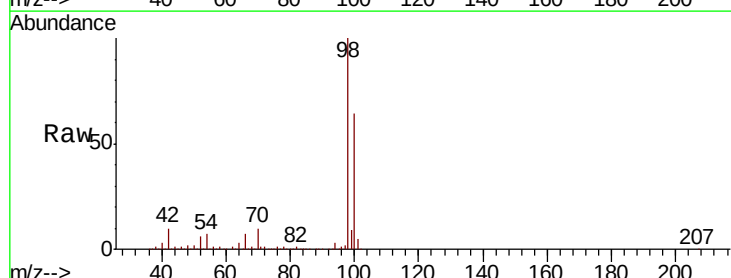
RT: 10.09 min Scan# 2587

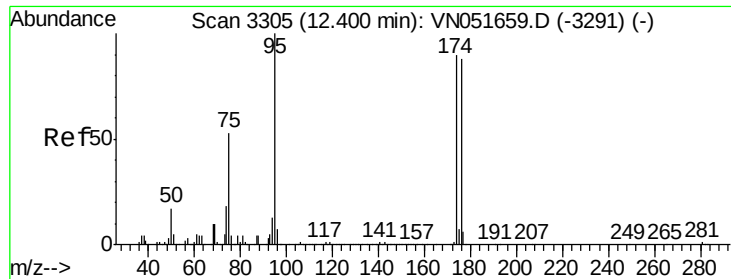
Delta R.T. 0.00 min

Lab File: VN051800.D

Acq: 10 Oct 2018 19:03

| Tgt Ion | 98    | Resp  | 1602254 |
|---------|-------|-------|---------|
| Ion     | Ratio | Lower | Upper   |
| 98      | 100   |       |         |
| 100     | 63.1  | 51.5  | 77.3    |





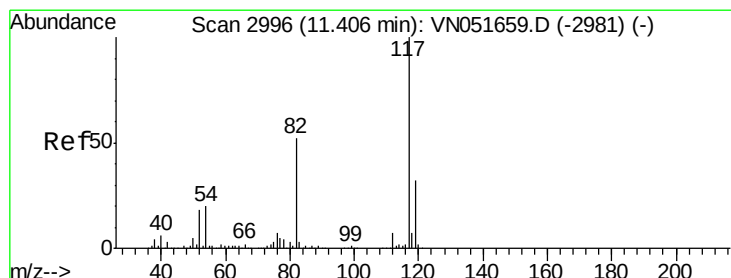
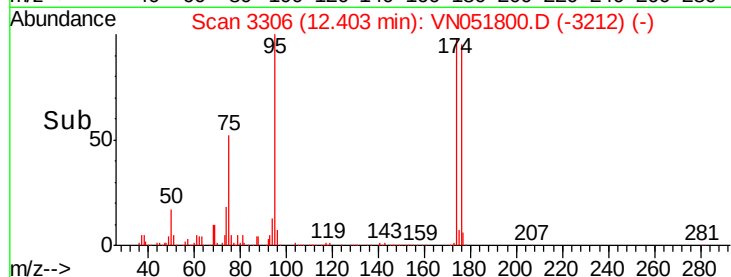
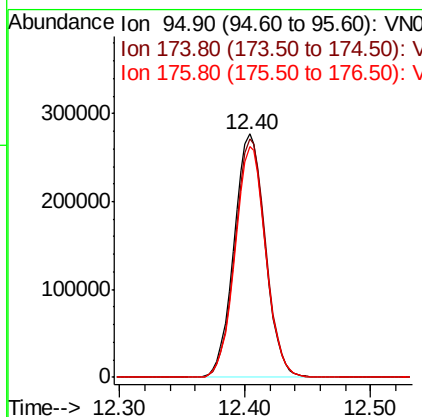
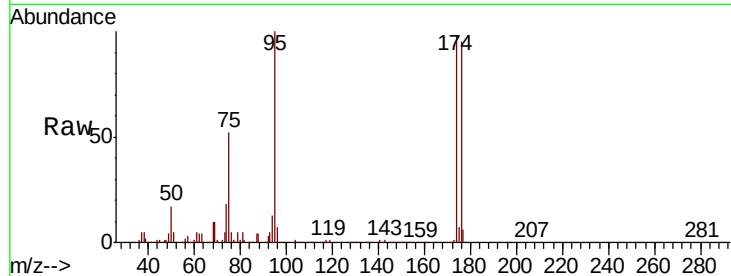
#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB113684ZHE#11

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 475026 |       |       |
| 174     | 97.5  | 0.0    | 182.8 |       |
| 176     | 93.6  | 0.0    | 176.4 |       |

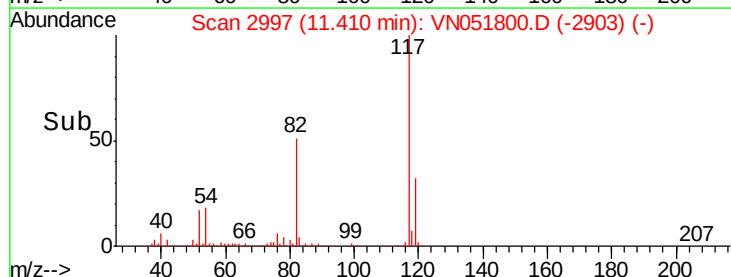
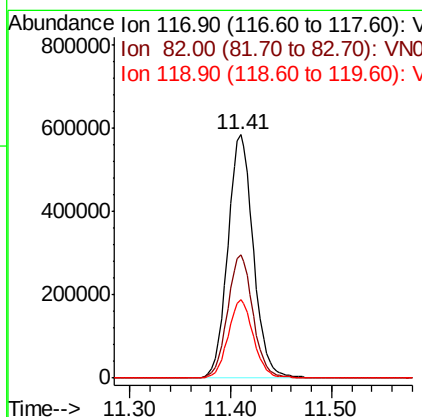
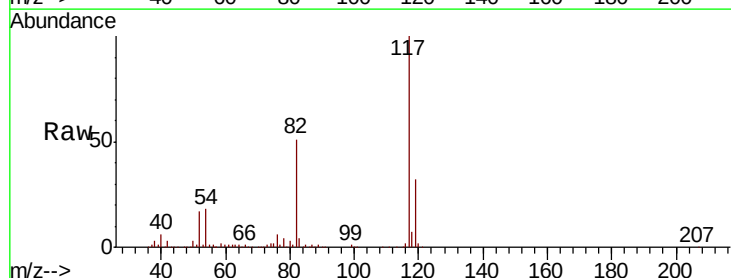
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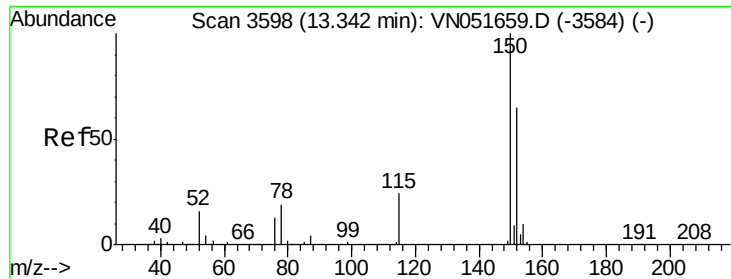
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#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051800.D  
Acq: 10 Oct 2018 19:03

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 117     | 100   | 1030732 |       |       |
| 82      | 50.8  | 41.3    | 61.9  |       |
| 119     | 32.0  | 25.9    | 38.9  |       |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3599  
 Delta R.T. 0.00 min  
 Lab File: VN051800.D  
 Acq: 10 Oct 2018 19:03

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB113684ZHE#11

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.0  | 28.6  | 85.8  |
| 150     | 158.9 | 0.0   | 352.4 |

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