

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\  
 Data File : VN051237.D  
 Acq On : 15 Sep 2018 21:14  
 Operator : MD\SY  
 Sample : PB112879ZHE#18  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112879ZHE#18

Quant Time: Sep 17 04:19:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 02:27:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 409758   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 662984   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 524783   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 154490   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 229162   | 50.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.50% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 244063   | 48.99 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.98%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 828681   | 43.84 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.68%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 211560   | 33.83 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 67.66%  |          |

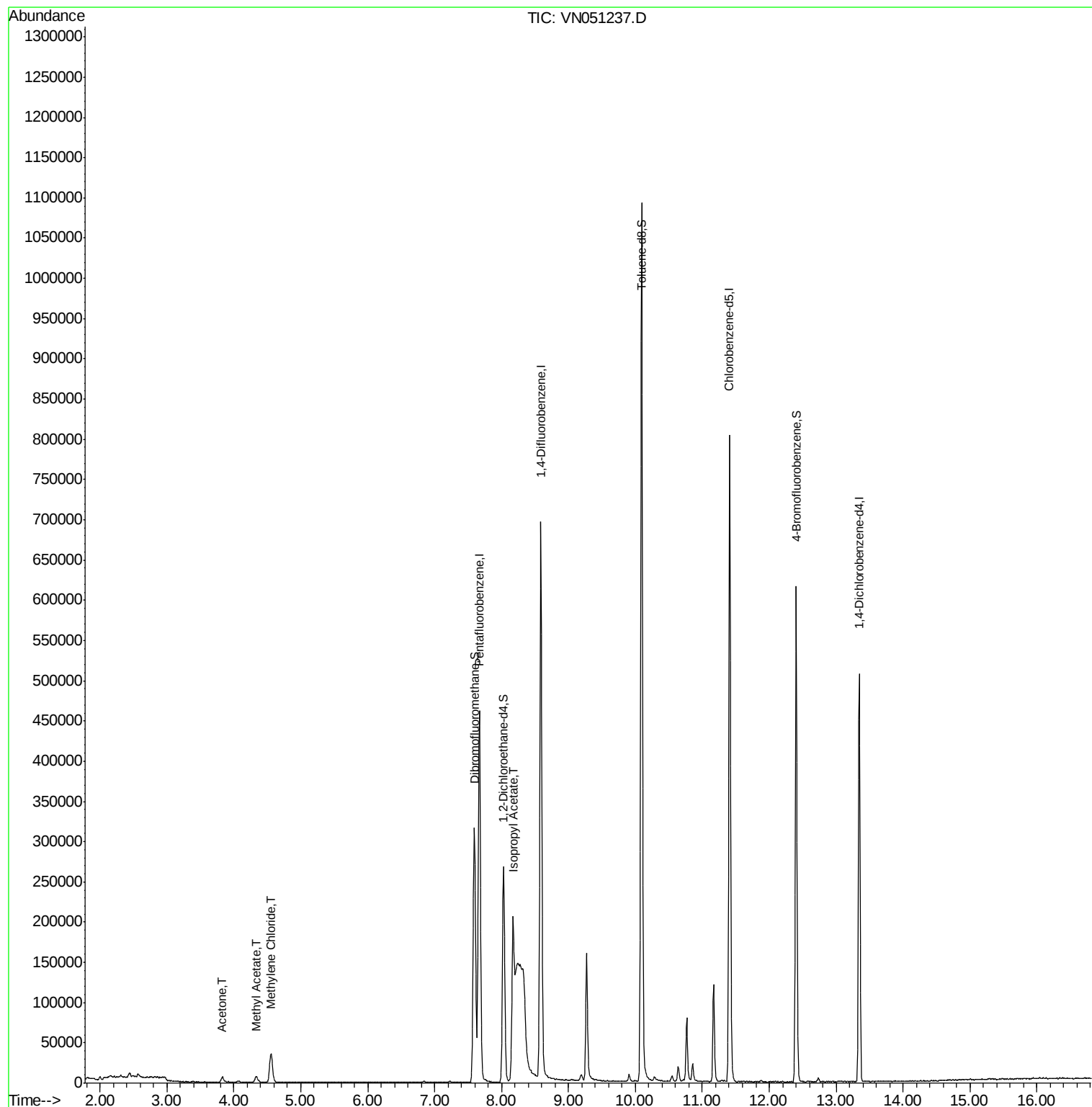
| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.83 | 43   | 10354    | 3.43  | ug/l   | 98     |
| 18) Methyl Acetate     | 4.33 | 43   | 13911    | 3.81  | ug/l   | 98     |
| 20) Methylene Chloride | 4.55 | 84   | 28904    | 5.74  | ug/l   | 99     |
| 43) Isopropyl Acetate  | 8.17 | 43   | 260483   | 35.02 | ug/l # | 77     |

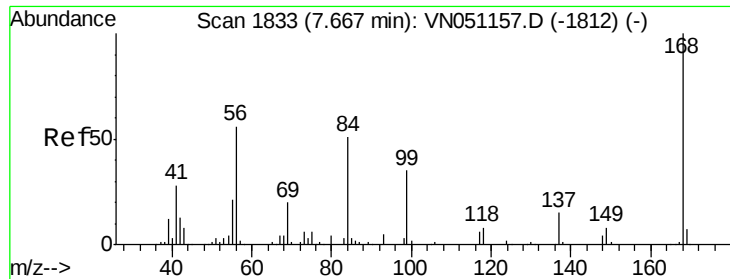
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091518\  
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Quant Time: Sep 17 04:19:18 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091018W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 11 02:27:09 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA\_N

ClientSampleId :

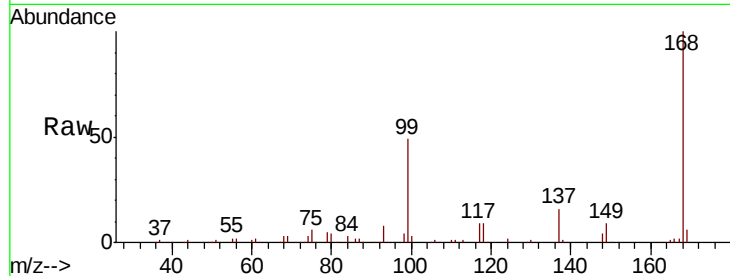
PB112879ZHE#18

Tot Ion:168 Resp: 409758

Ion Ratio Lower Upper

168 100

99 49.2 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

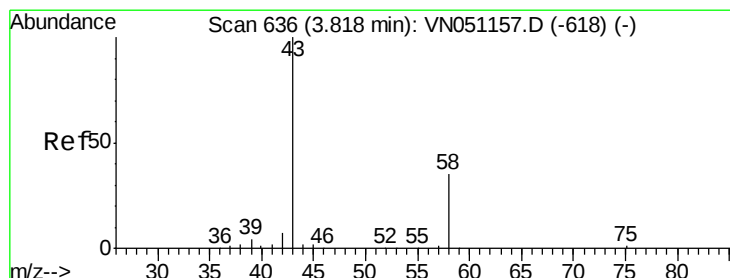
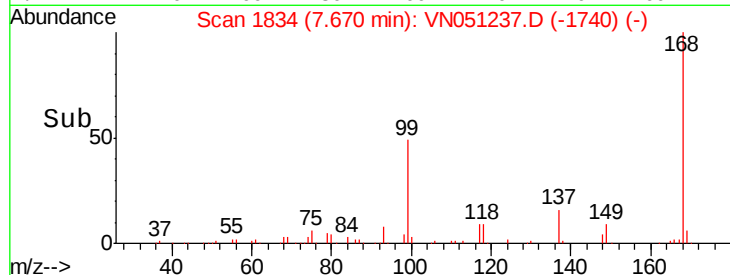
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 3.43 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN051237.D

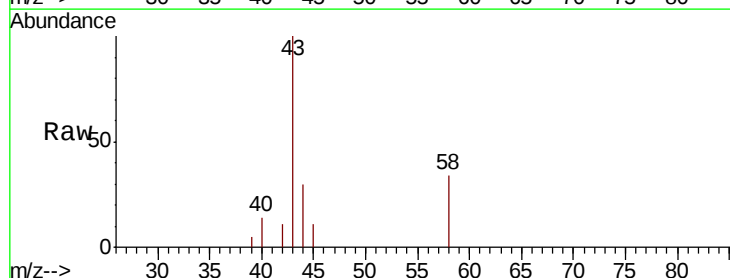
Acq: 15 Sep 2018 21:14

Tgt Ion: 43 Resp: 10354

Ion Ratio Lower Upper

43 100

58 33.6 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.83

4000

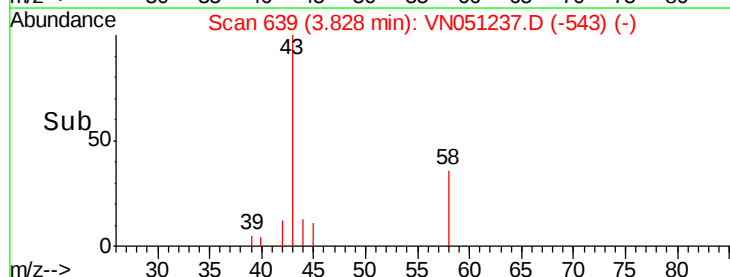
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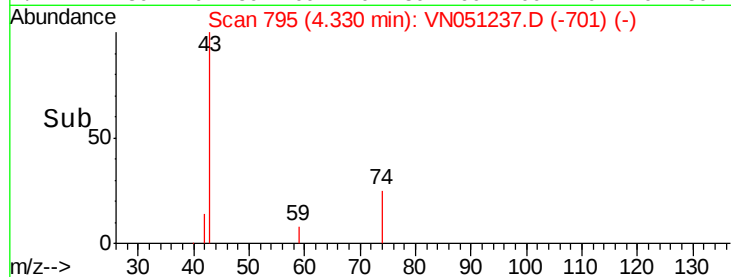
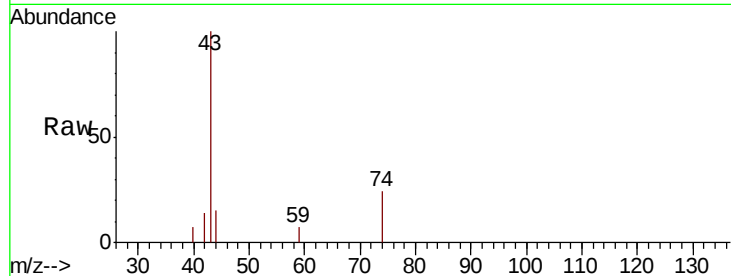
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1000

0

Time-->

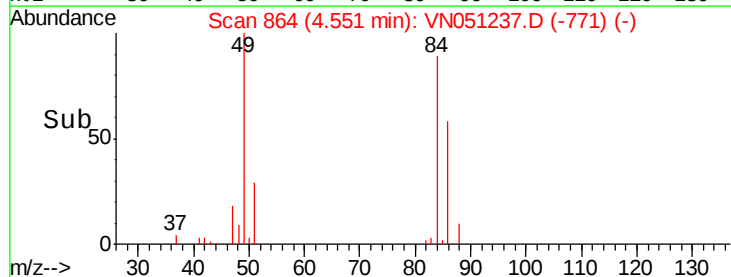
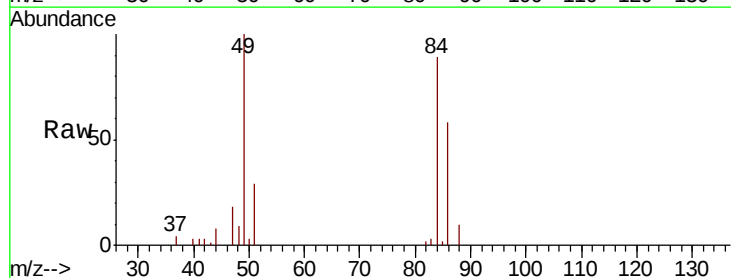
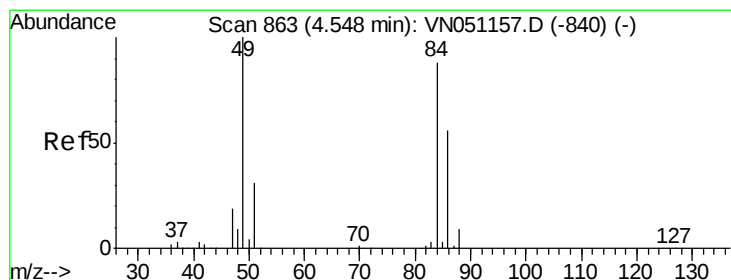
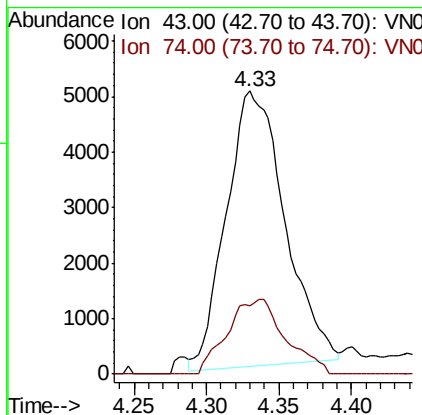




#18  
Methyl Acetate  
Concen: 3.81 ug/l  
RT: 4.33 min Scan# 795  
Delta R.T. 0.00 min  
Lab File: VN051237.D  
Acq: 15 Sep 2018 21:14

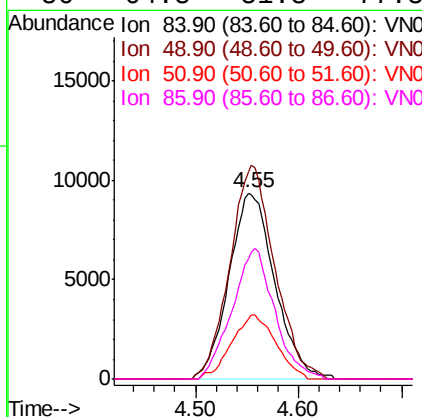
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112879ZHE#18

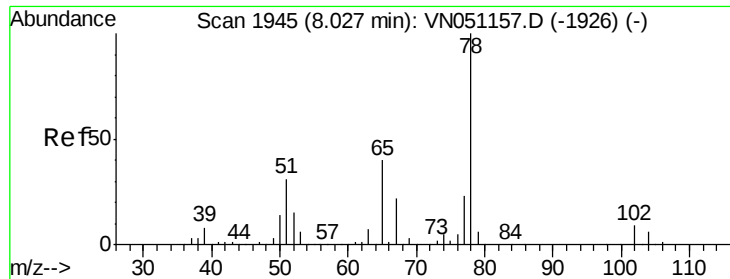
Tot Ion: 43 Resp: 13911  
Ion Ratio Lower Upper  
43 100  
74 27.1 20.7 31.1



#20  
Methylene Chloride  
Concen: 5.74 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. -0.00 min  
Lab File: VN051237.D  
Acq: 15 Sep 2018 21:14

Tgt Ion: 84 Resp: 28904  
Ion Ratio Lower Upper  
84 100  
49 111.8 90.2 135.2  
51 32.4 28.4 42.6  
86 64.8 51.8 77.8

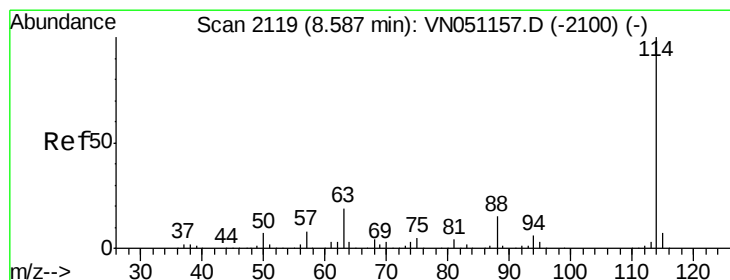
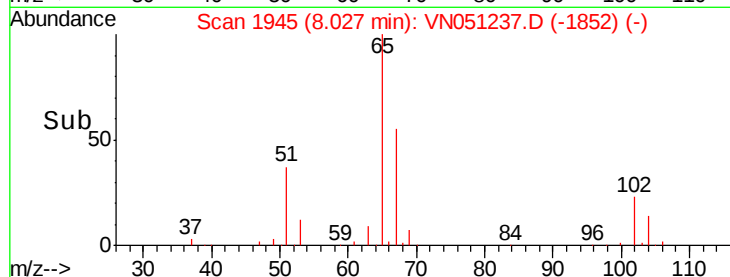
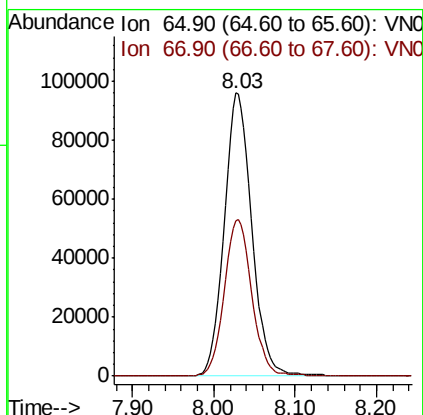
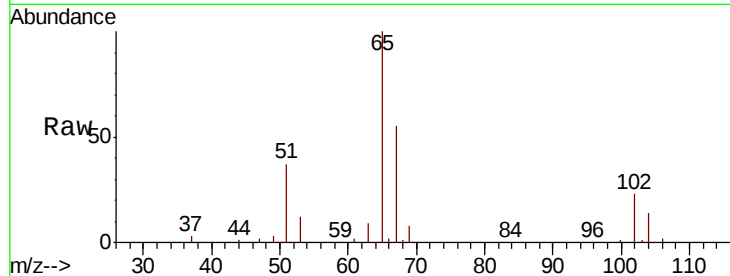




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.25 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051237.D  
 Acq: 15 Sep 2018 21:14

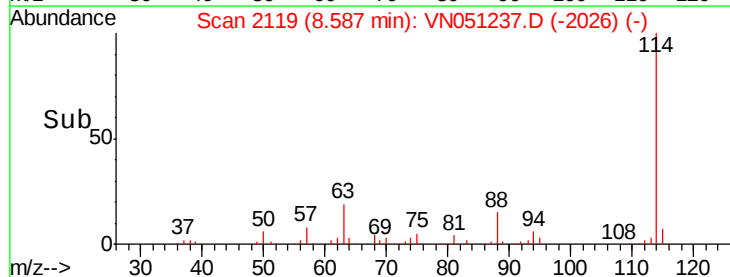
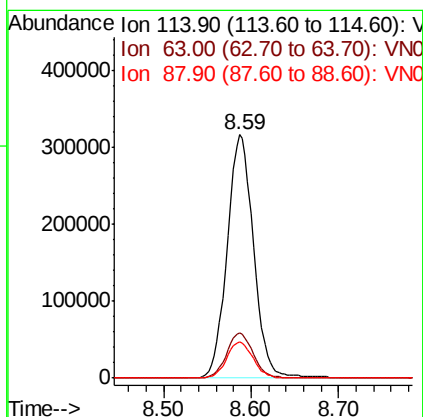
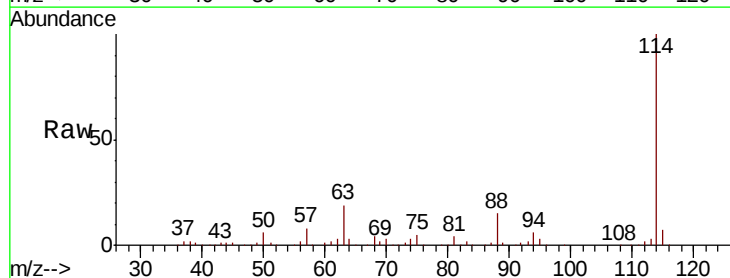
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112879ZHE#18

Tot Ion: 65 Resp: 229162  
 Ion Ratio Lower Upper  
 65 100  
 67 55.3 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051237.D  
 Acq: 15 Sep 2018 21:14

Tgt Ion: 114 Resp: 662984  
 Ion Ratio Lower Upper  
 114 100  
 63 18.5 0.0 37.8  
 88 14.8 0.0 30.8

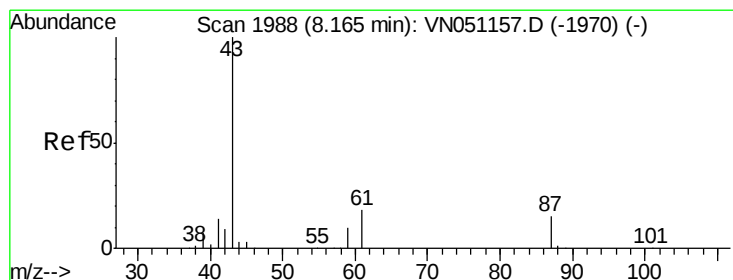
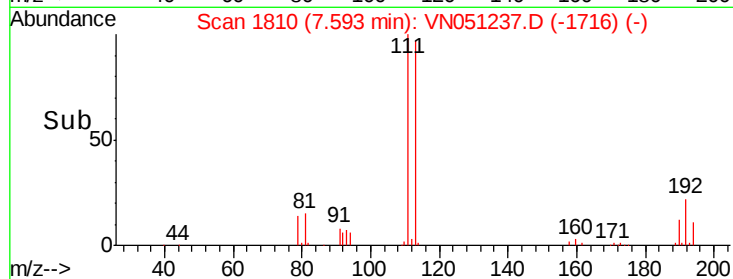
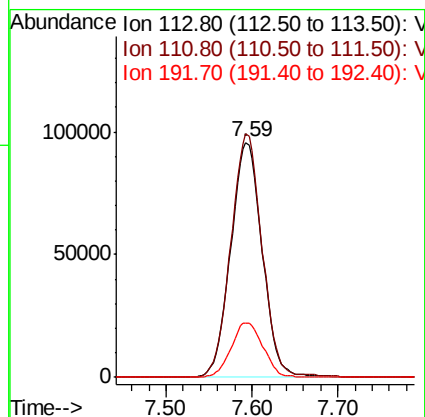
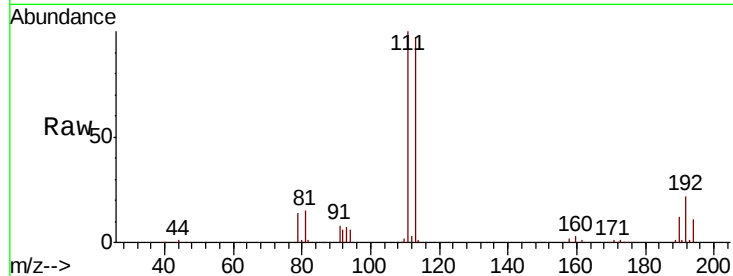




#35  
 Dibromofluoromethane  
 Concen: 48.99 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051237.D  
 Acq: 15 Sep 2018 21:14

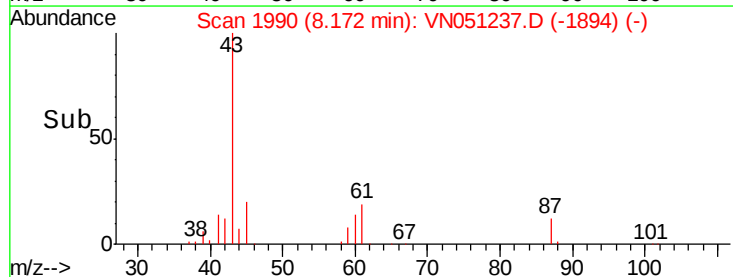
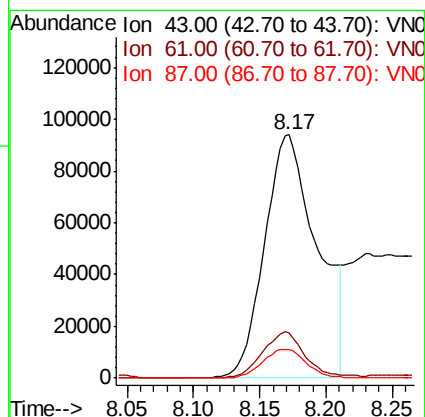
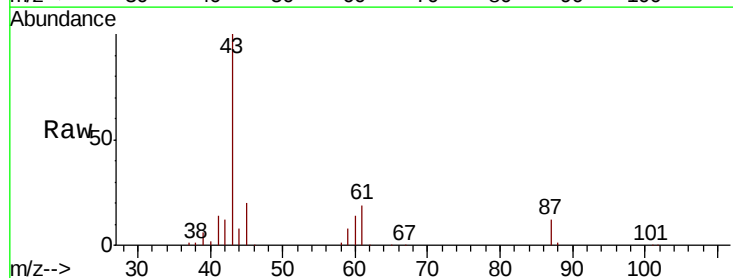
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112879ZHE#18

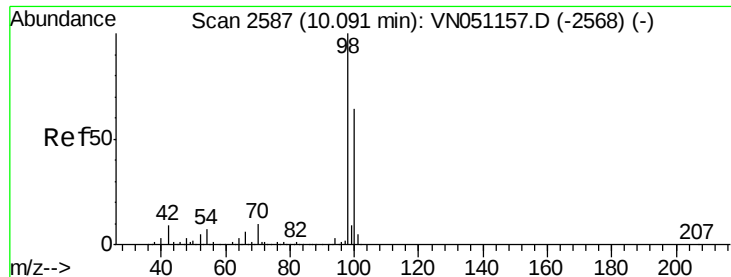
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.7 | 83.0  | 124.6 |
| 192     | 23.4  | 18.7  | 28.1  |



#43  
 Isopropyl Acetate  
 Concen: 35.02 ug/l  
 RT: 8.17 min Scan# 1990  
 Delta R.T. 0.01 min  
 Lab File: VN051237.D  
 Acq: 15 Sep 2018 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.5  | 25.0  | 37.6# |
| 87      | 9.8   | 11.8  | 17.8# |





#50

Toluene-d8

Concen: 43.84 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

Instrument :

MSVOA\_N

ClientSampleId :

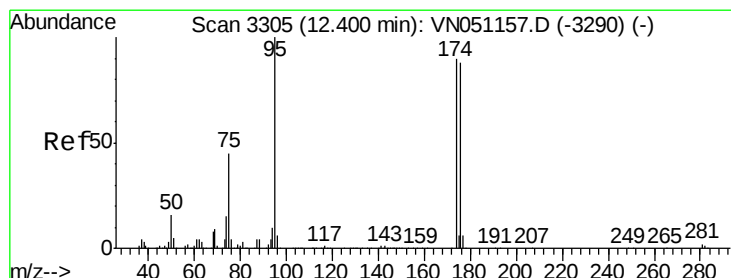
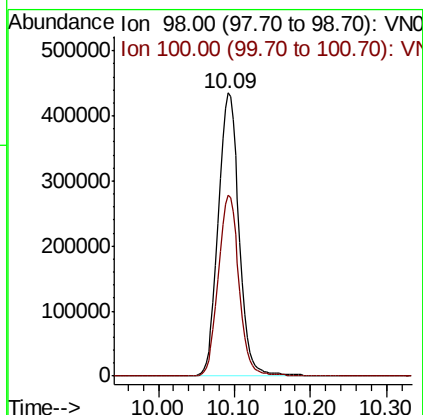
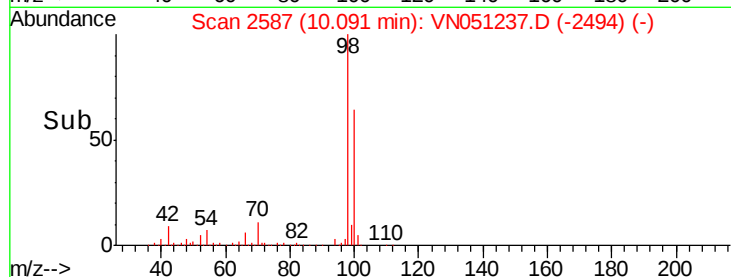
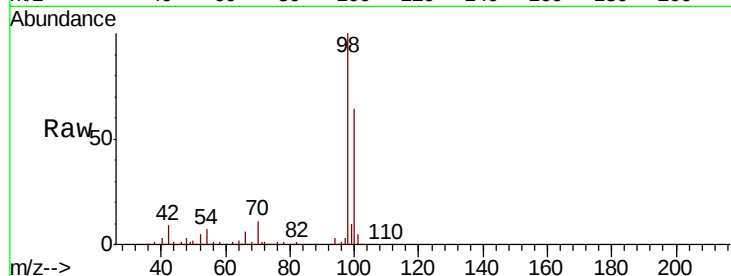
PB112879ZHE#18

Tot Ion: 98 Resp: 828681

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 33.83 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051237.D

Acq: 15 Sep 2018 21:14

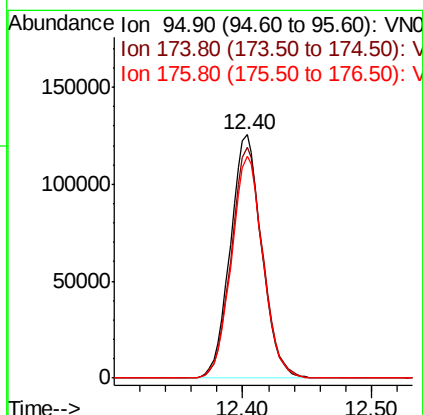
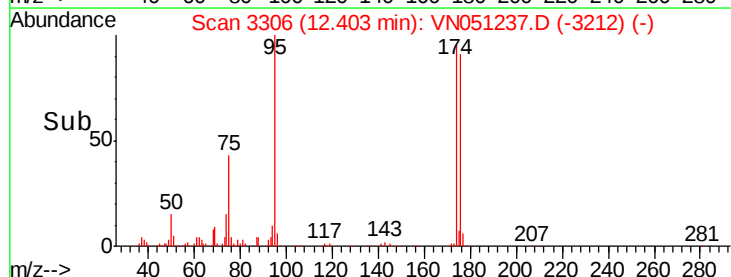
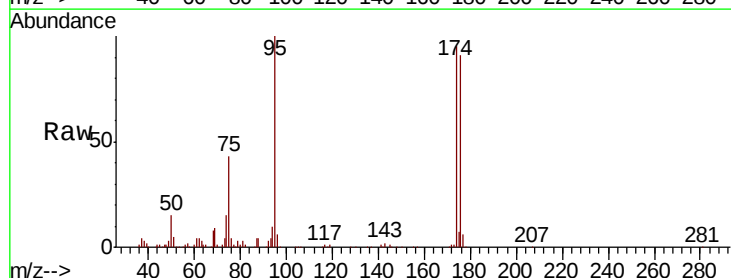
Tgt Ion: 95 Resp: 211560

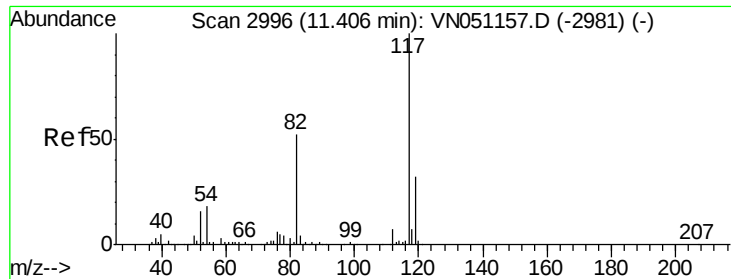
Ion Ratio Lower Upper

95 100

174 95.6 0.0 184.8

176 91.4 0.0 178.6

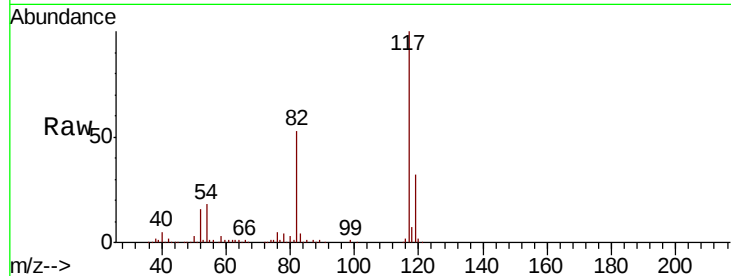




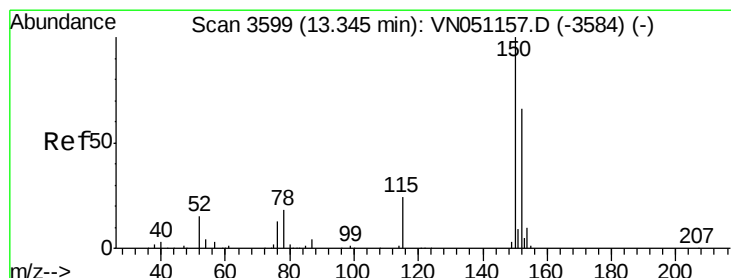
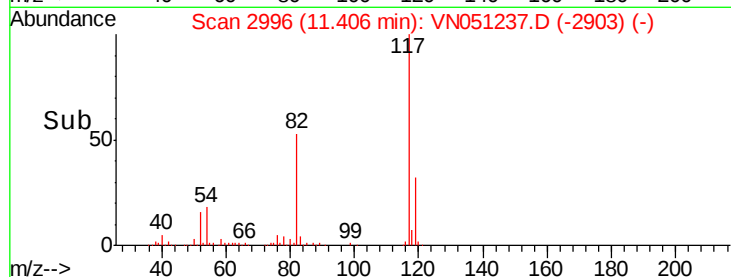
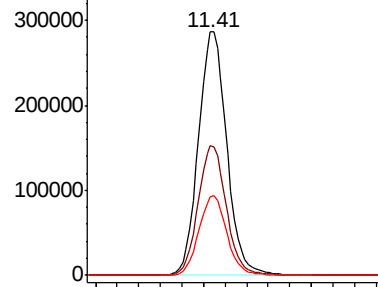
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. -0.00 min  
Lab File: VN051237.D  
Acq: 15 Sep 2018 21:14

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112879ZHE#18

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.4  | 41.8  | 62.6  |
| 119     | 32.3  | 26.2  | 39.2  |

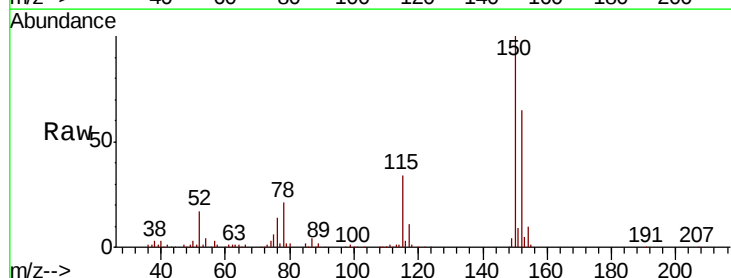


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051237.D  
Acq: 15 Sep 2018 21:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 54.0  | 28.2  | 84.7  |
| 150     | 157.8 | 0.0   | 349.0 |



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

