

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\  
 Data File : VN051103.D  
 Acq On : 11 Sep 2018 2:25  
 Operator : MD\SY  
 Sample : J4777-10  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-05-090718-E

Quant Time: Sep 11 05:35:55 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  | 587597   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 921566   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 811638   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 284605   | 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   | 363673   | 55.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 111.24% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 353806   | 51.09 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.18% |          |
| 50) Toluene-d8              | 10.09 | 98   | 1270671  | 48.36 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.72%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 356506   | 41.01 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 82.02%  |          |

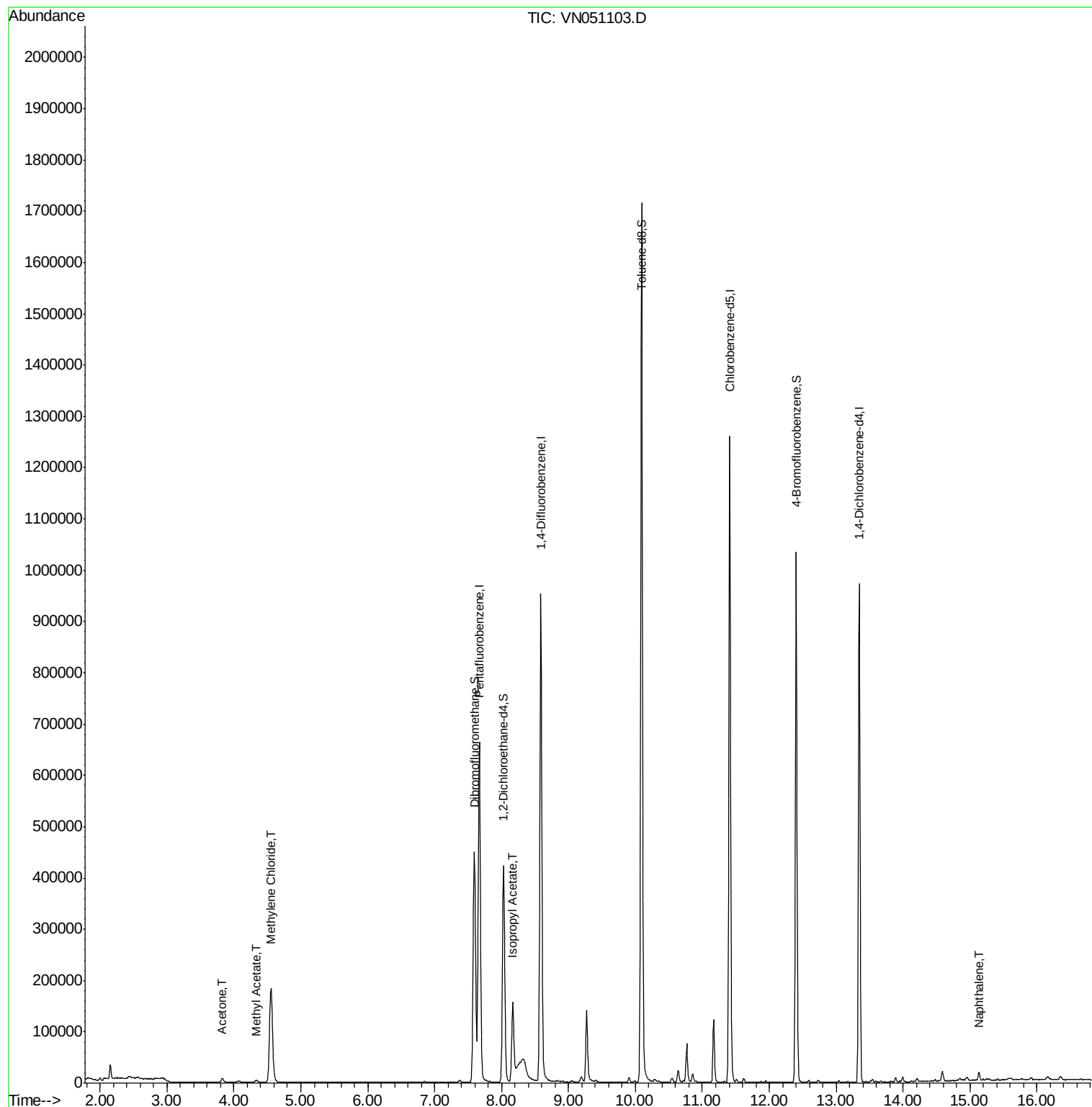
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82  | 43   | 13761    | 2.74  | ug/l   | 96     |
| 18) Methyl Acetate     | 4.34  | 43   | 9185     | 1.75  | ug/l # | 85     |
| 20) Methylene Chloride | 4.55  | 84   | 152632   | 21.13 | ug/l   | 98     |
| 43) Isopropyl Acetate  | 8.17  | 43   | 188798   | 18.26 | ug/l # | 87     |
| 95) Naphthalene        | 15.13 | 128  | 14723    | 6.57  | ug/l   | 98     |

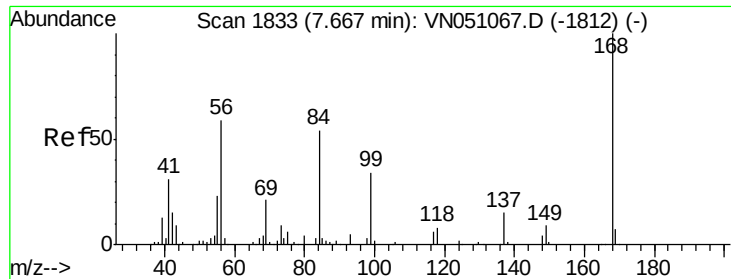
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091018\  
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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: VN051103.D

Acq: 11 Sep 2018 2:25

Instrument :

MSVOA\_N

ClientSampleId :

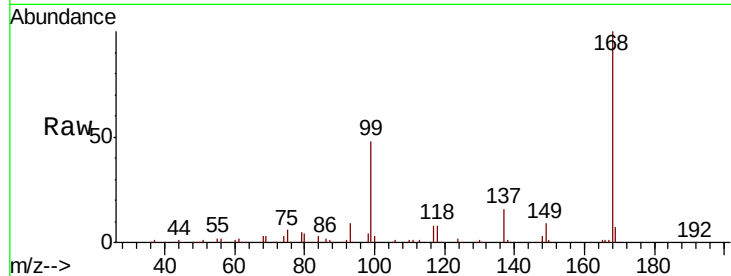
PL-05-090718-E

Tot Ion:168 Resp: 587597

Ion Ratio Lower Upper

168 100

99 48.0 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051103.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051103.D (-1740) (-)

7.67

250000

200000

150000

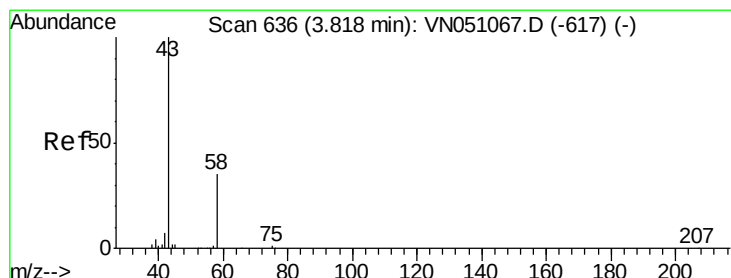
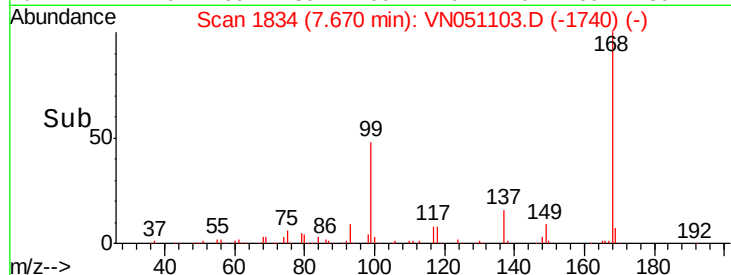
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 2.74 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051103.D

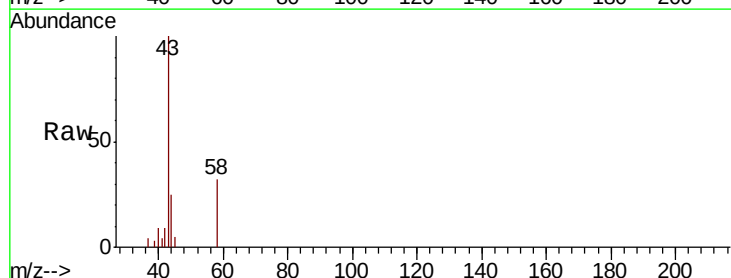
Acq: 11 Sep 2018 2:25

Tgt Ion: 43 Resp: 13761

Ion Ratio Lower Upper

43 100

58 32.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN051103.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN051103.D (-543) (-)

3.82

5000

4000

3000

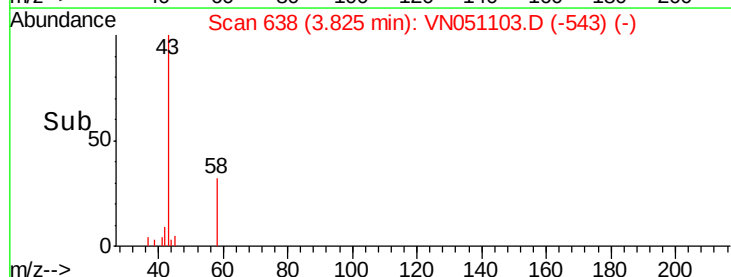
2000

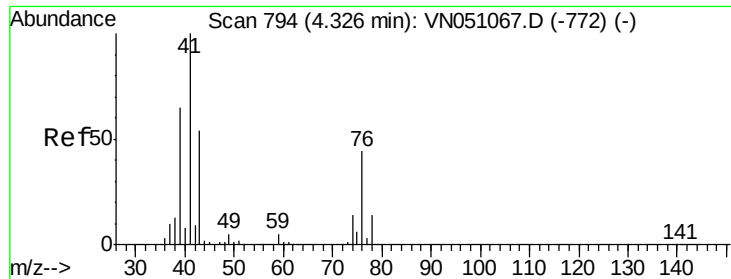
1000

0

3.75 3.80 3.85 3.90

Time-->

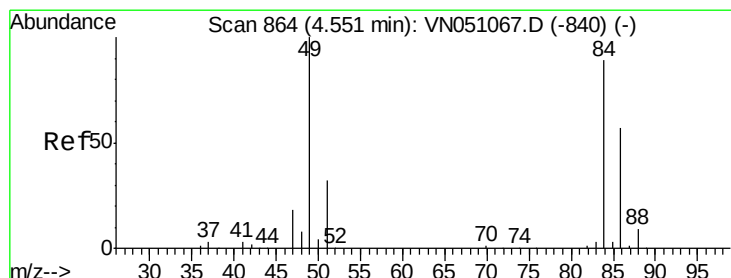
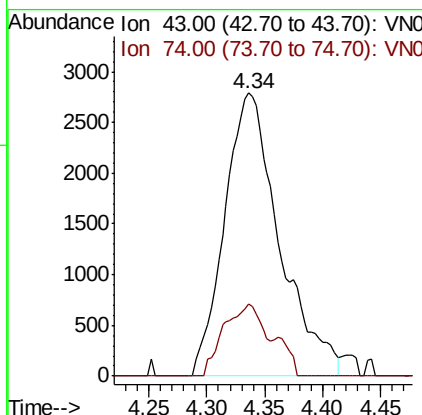
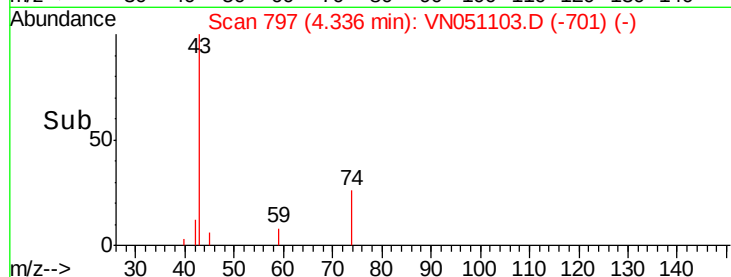
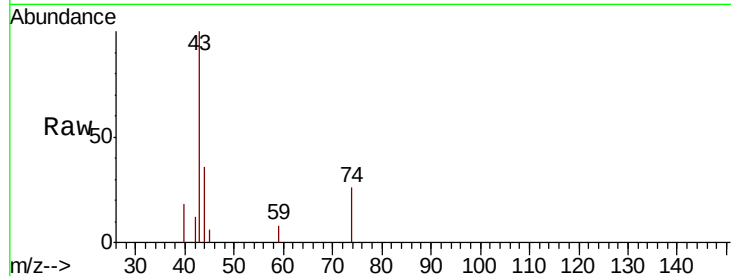




#18  
Methvl Acetate  
Concen: 1.75 ug/l  
RT: 4.34 min Scan# 797  
Delta R.T. 0.01 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

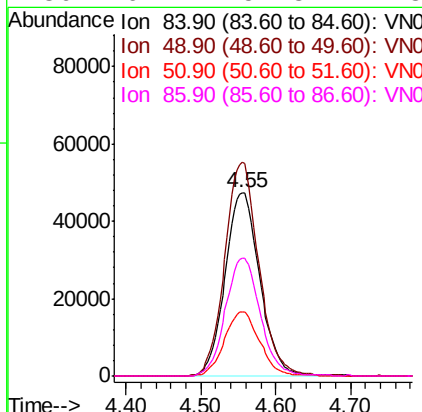
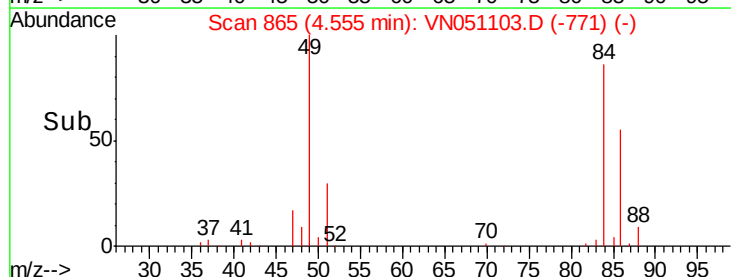
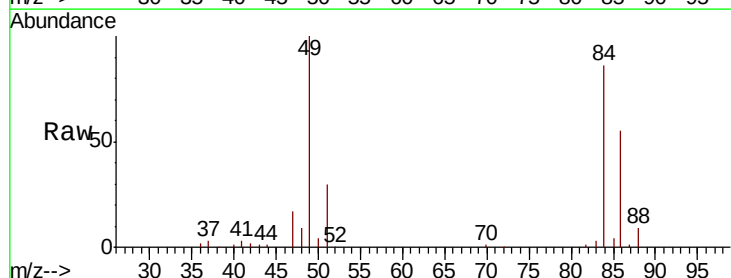
Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-05-090718-E

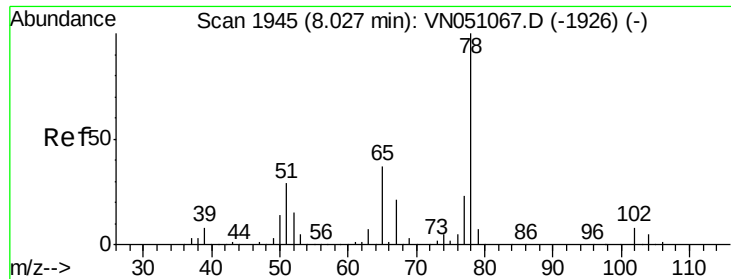
Tot Ion: 43 Resp: 9185  
Ion Ratio Lower Upper  
43 100  
74 18.3 20.7 31.1#



#20  
Methylene Chloride  
Concen: 21.13 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

Tgt Ion: 84 Resp: 152632  
Ion Ratio Lower Upper  
84 100  
49 116.1 90.2 135.2  
51 35.1 28.4 42.6  
86 64.1 51.8 77.8

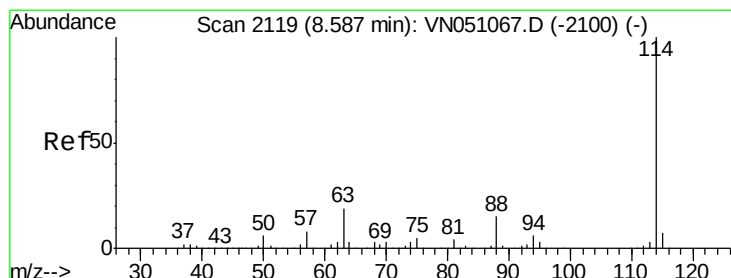
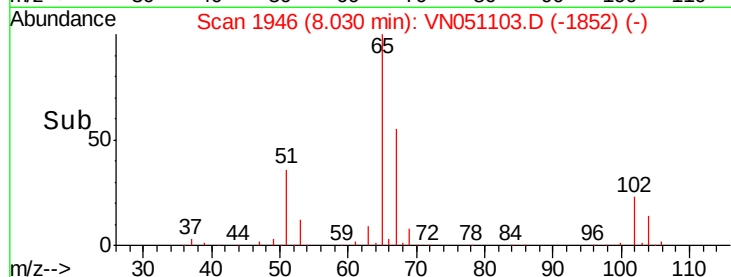
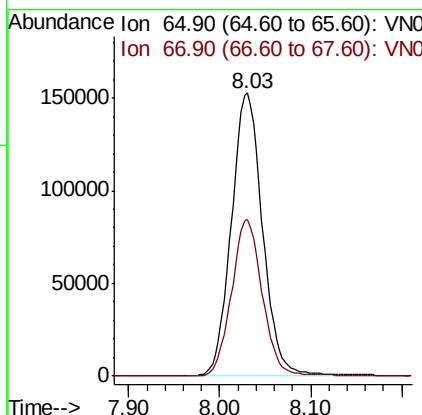
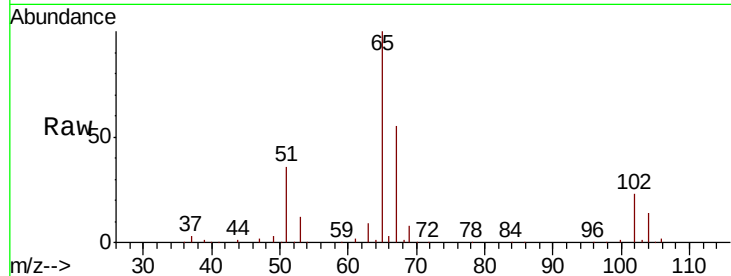




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.62 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051103.D  
 Acq: 11 Sep 2018 2:25

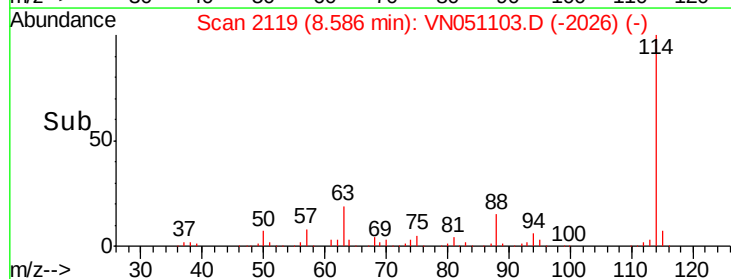
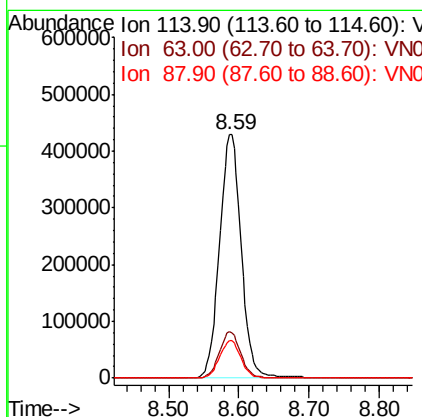
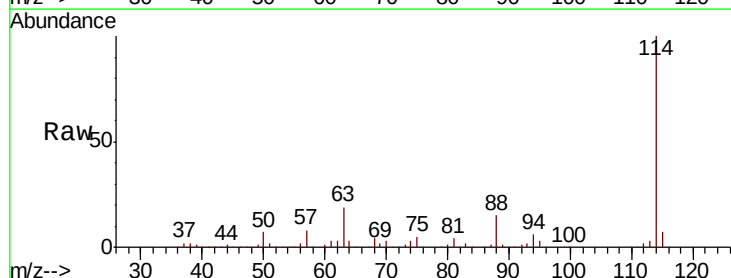
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-05-090718-E

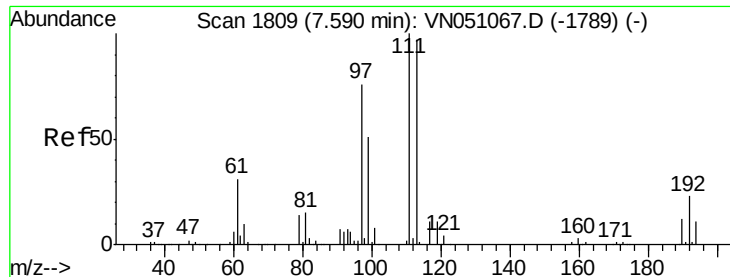
Tot Ion: 65 Resp: 363673  
 Ion Ratio Lower Upper  
 65 100  
 67 54.6 0.0 112.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051103.D  
 Acq: 11 Sep 2018 2:25

Tgt Ion: 114 Resp: 921566  
 Ion Ratio Lower Upper  
 114 100  
 63 19.2 0.0 37.8  
 88 15.3 0.0 30.8

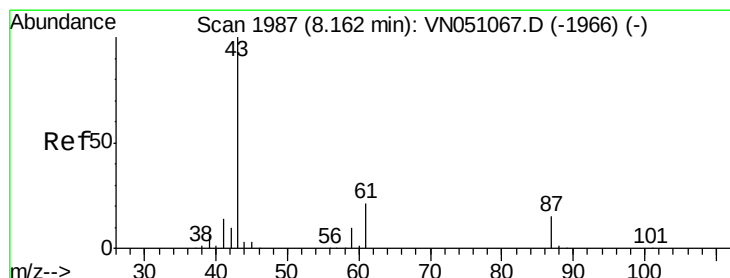
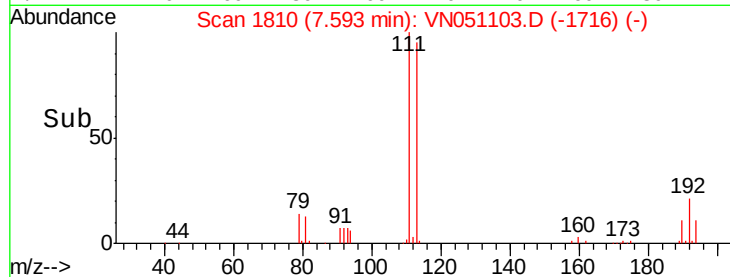
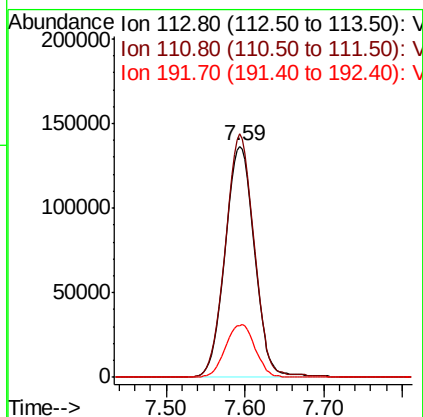
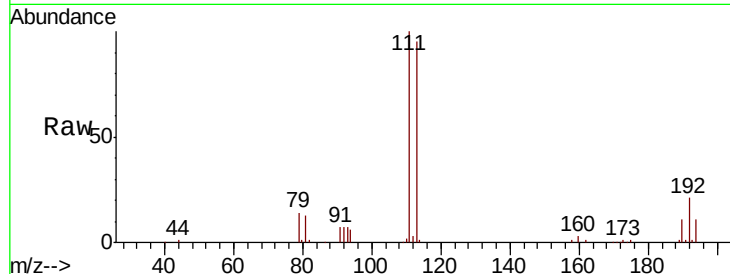




#35  
 Dibromofluoromethane  
 Concen: 51.09 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051103.D  
 Acq: 11 Sep 2018 2:25

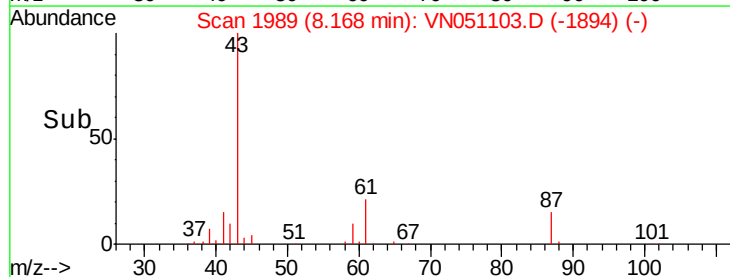
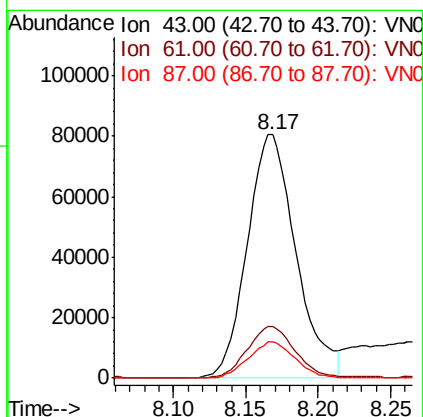
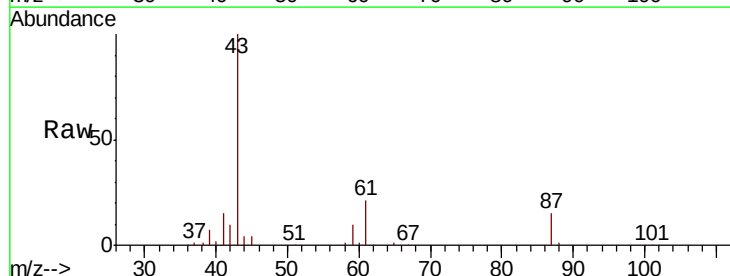
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PL-05-090718-E

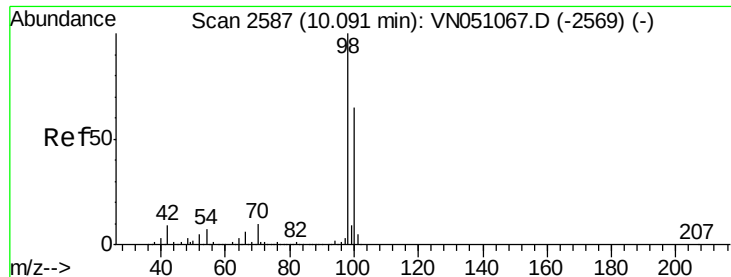
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.0 | 83.0  | 124.6 |
| 192     | 23.0  | 18.7  | 28.1  |



#43  
 Isopropyl Acetate  
 Concen: 18.26 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.01 min  
 Lab File: VN051103.D  
 Acq: 11 Sep 2018 2:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 21.1  | 25.0  | 37.6# |
| 87      | 14.2  | 11.8  | 17.8  |

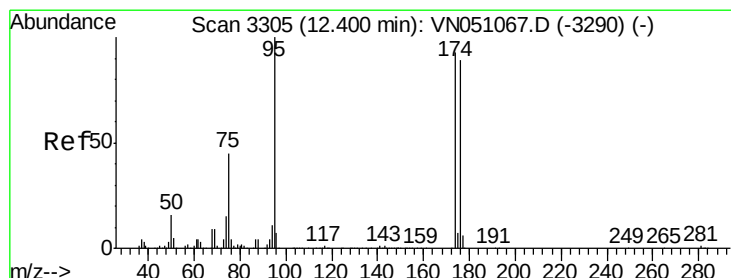
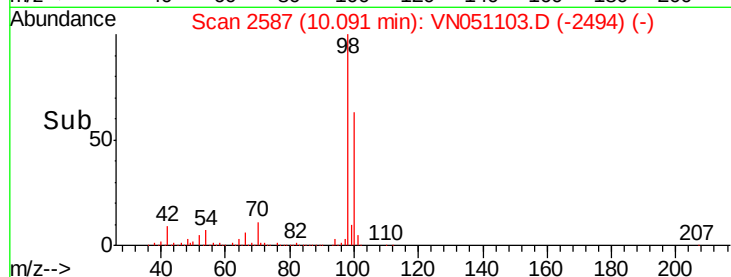
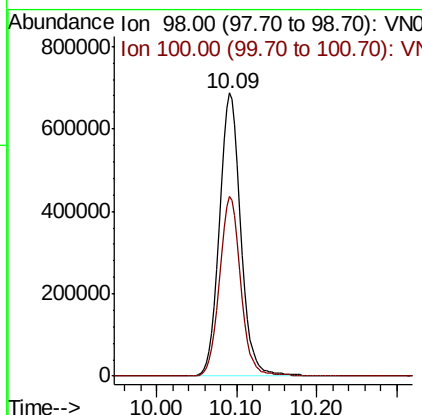
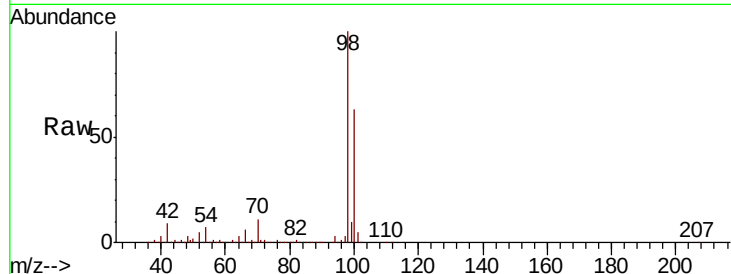




#50  
Toluene-d8  
Concen: 48.36 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. -0.00 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

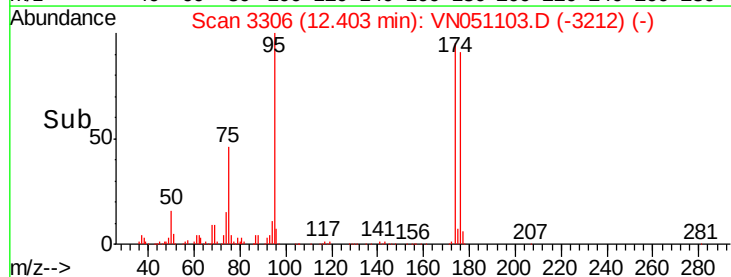
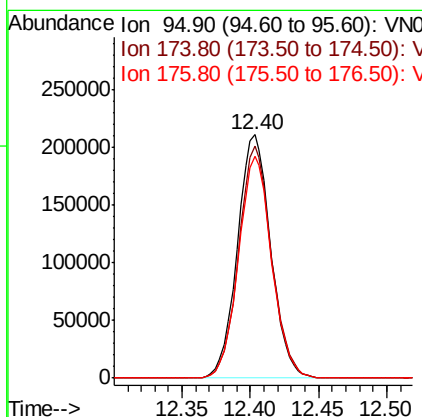
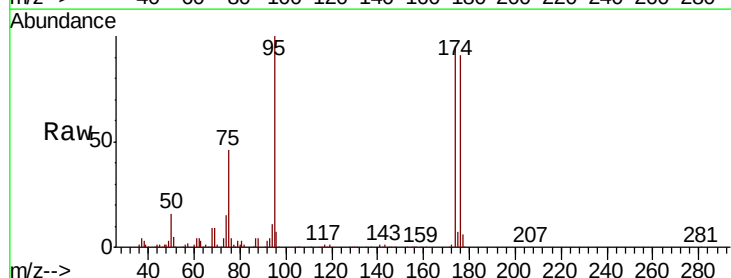
Instrument :  
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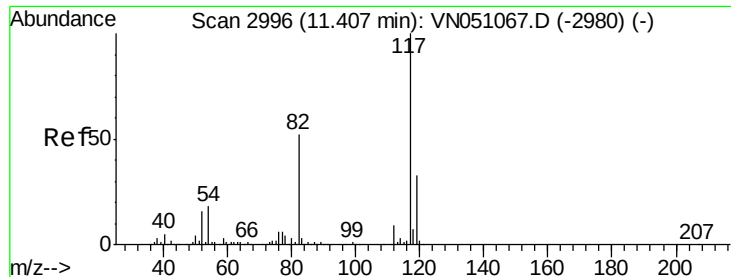
Tot Ion: 98 Resp: 1270671  
Ion Ratio Lower Upper  
98 100  
100 63.3 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 41.01 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. 0.00 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

Tgt Ion: 95 Resp: 356506  
Ion Ratio Lower Upper  
95 100  
174 94.1 0.0 184.8  
176 91.0 0.0 178.6

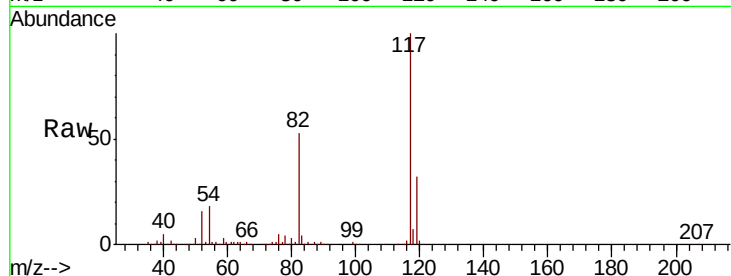




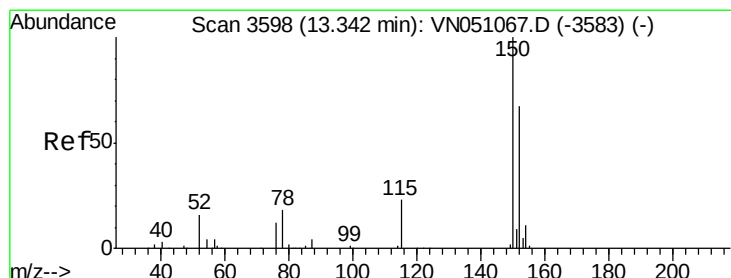
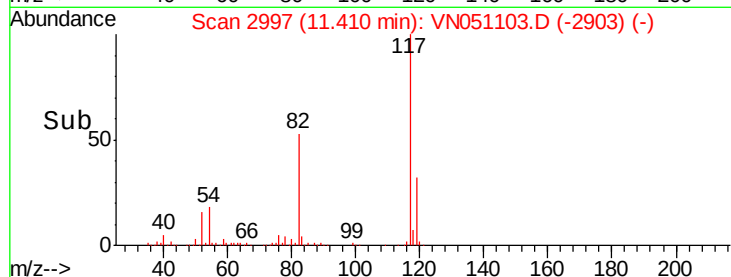
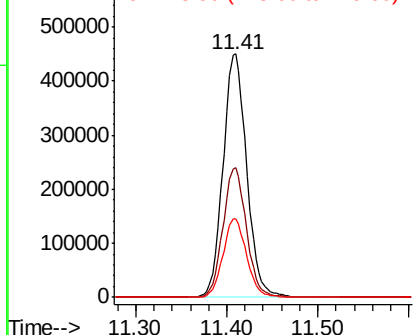
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

Instrument :  
MSVOA\_N  
ClientSampleId :  
PL-05-090718-E

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.1  | 41.8  | 62.6  |
| 119     | 32.3  | 26.2  | 39.2  |

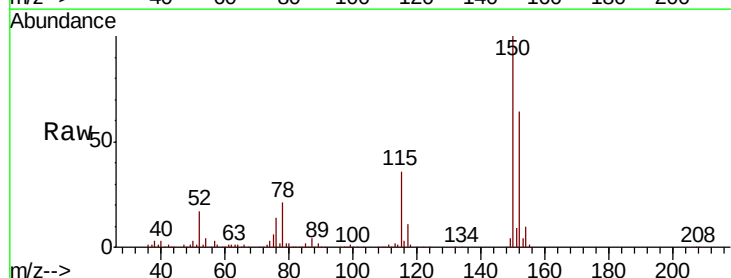


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

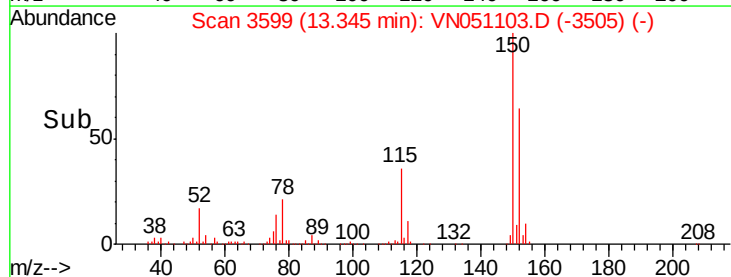
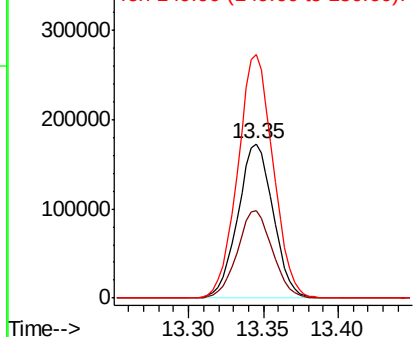


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051103.D  
Acq: 11 Sep 2018 2:25

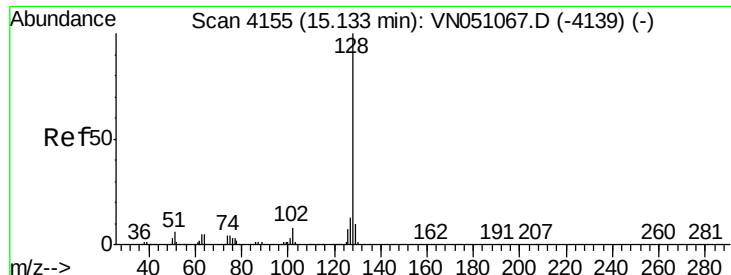
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.2  | 28.2  | 84.7  |
| 150     | 157.8 | 0.0   | 349.0 |



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







#95

Naphthalene

Concen: 6.57 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051103.D

Acq: 11 Sep 2018 2:25

Instrument :

MSVOA\_N

ClientSampleId :

PL-05-090718-E

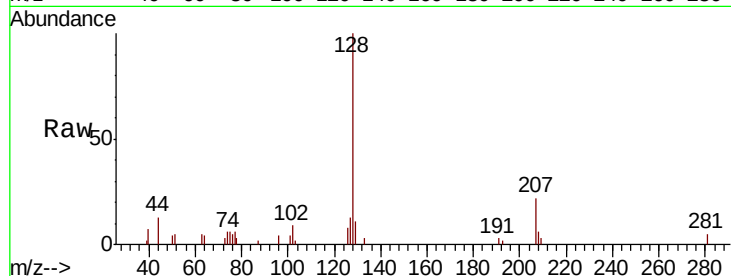
Tot Ion:128 Resp: 14723

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 10.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

