

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
 Data File : VN049830.D  
 Acq On : 14 Jul 2018 6:23  
 Operator : MD\SY  
 Sample : J3959-03  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TB-20180712

Quant Time: Jul 14 06:46:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 12 15:51:38 2018  
 Response via : Initial Calibration

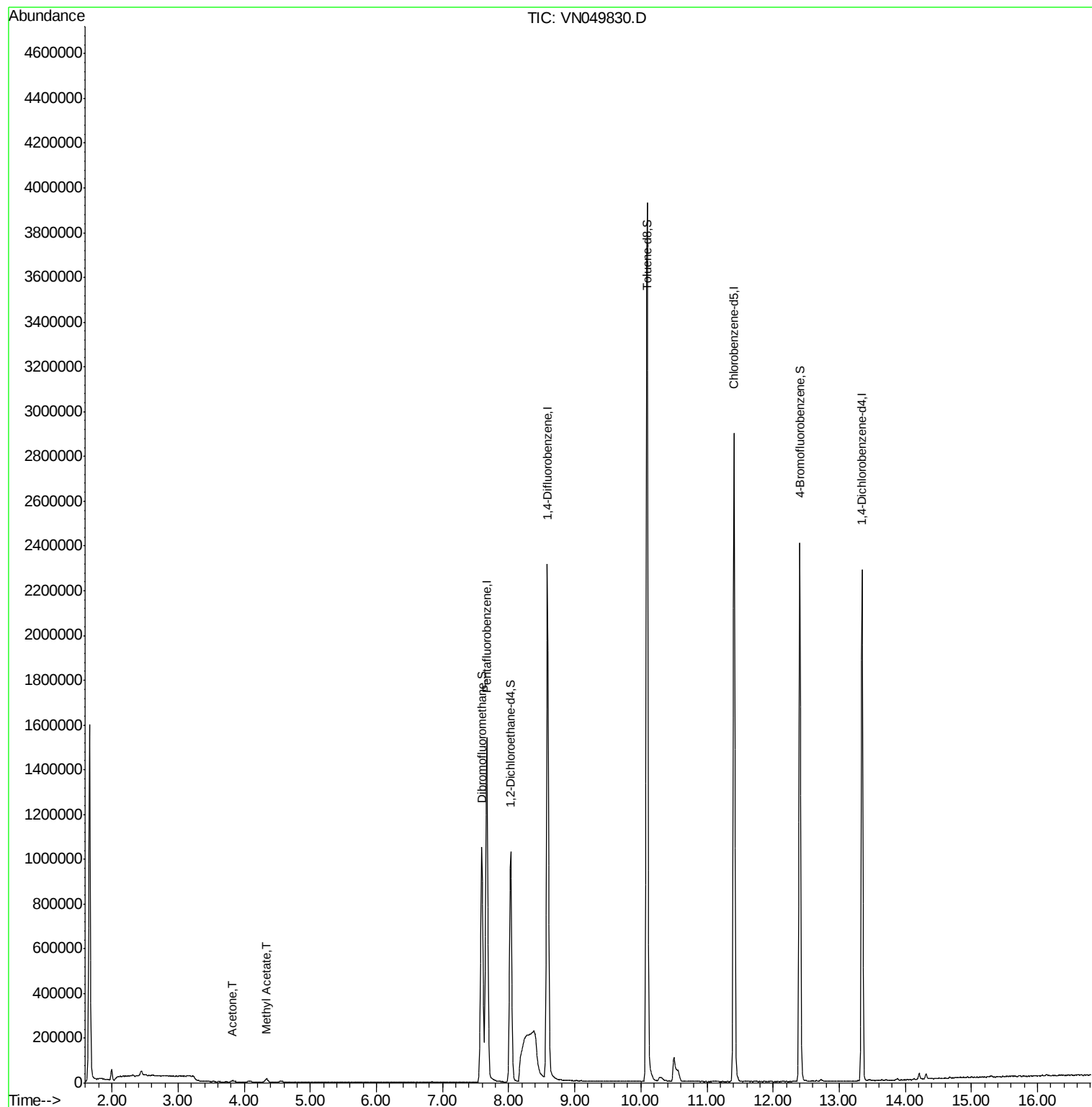
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 1312991  | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 2140635  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1770119  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 630100   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 869209   | 56.91 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 113.82% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 811372   | 50.28 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.56% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2886034  | 52.25 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.50% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 785392   | 39.81 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 79.62%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 3.82  | 43   | 12182    | 1.17  | ug/l    | 96       |
| 18) Methyl Acetate          | 4.34  | 43   | 26159    | 1.33  | ug/l    | 93       |

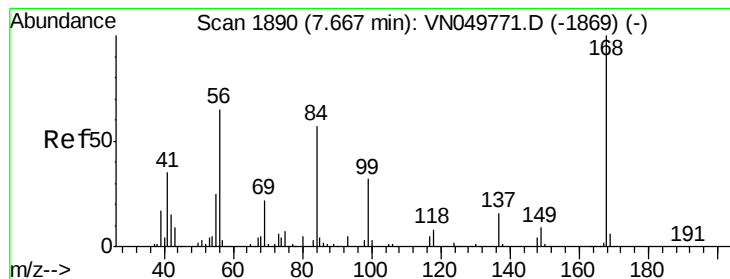
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TB-20180712

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N071218W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jul 12 15:51:38 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049830.D

Acq: 14 Jul 2018 6:23

Instrument :

MSVOA\_N

ClientSampled :

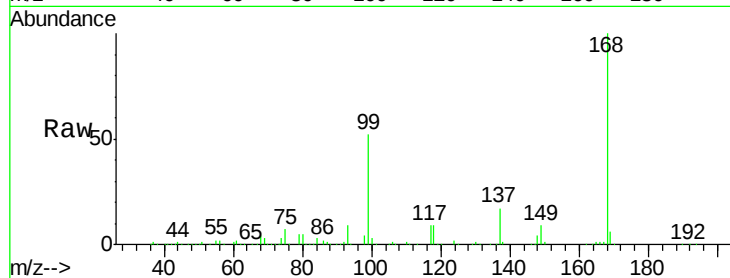
TB-20180712

Tot Ion:168 Resp: 1312991

Ion Ratio Lower Upper

168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

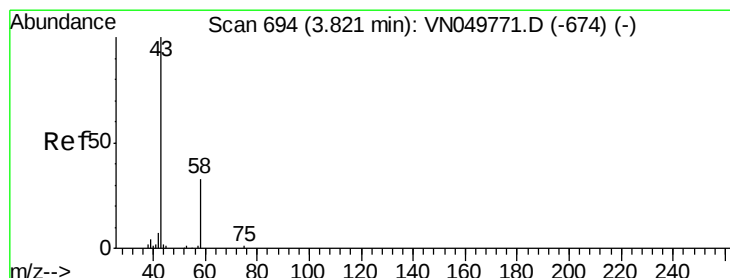
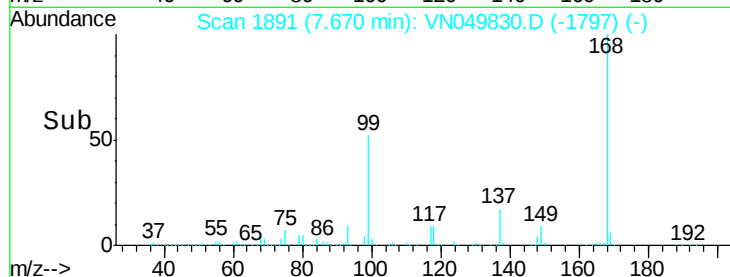
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: 1.17 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049830.D

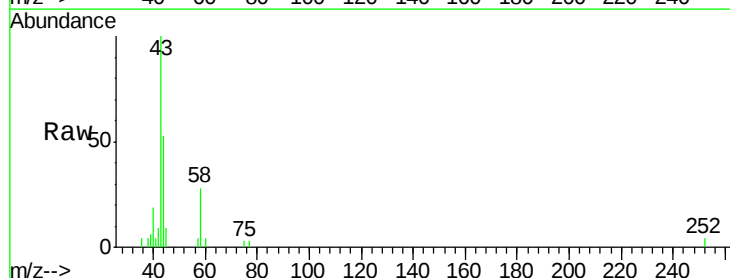
Acq: 14 Jul 2018 6:23

Tgt Ion: 43 Resp: 12182

Ion Ratio Lower Upper

43 100

58 30.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

5000

4000

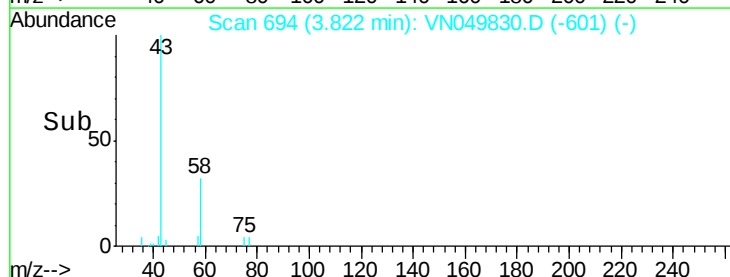
3000

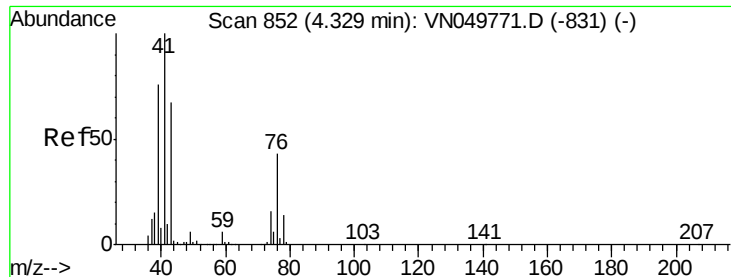
2000

1000

0

Time--> 3.75 3.80 3.85 3.90

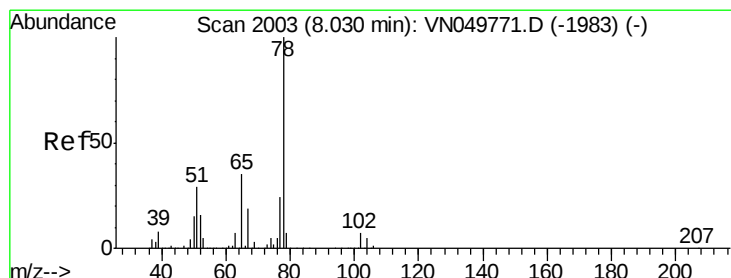
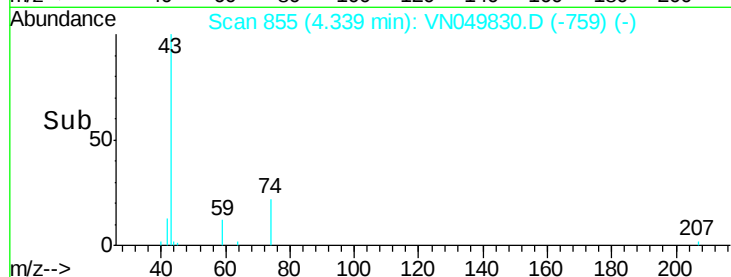
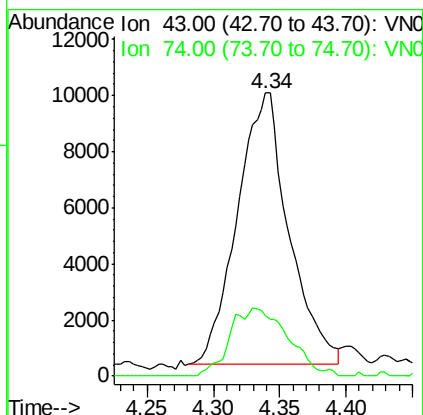
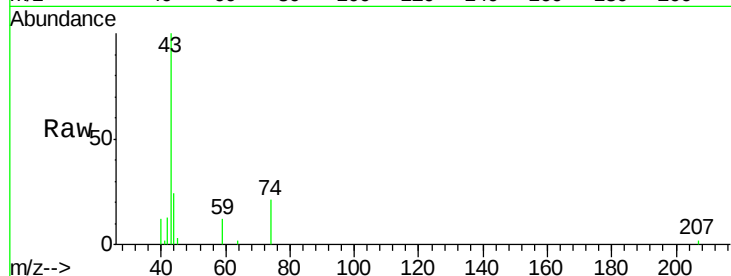




#18  
Methvl Acetate  
Concen: 1.33 ug/l  
RT: 4.34 min Scan# 855  
Delta R.T. 0.01 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

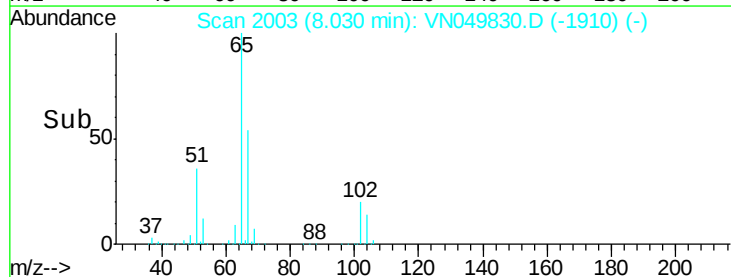
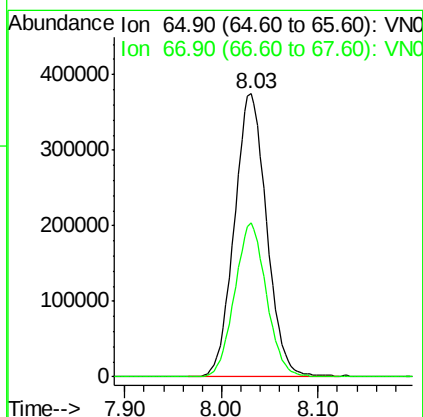
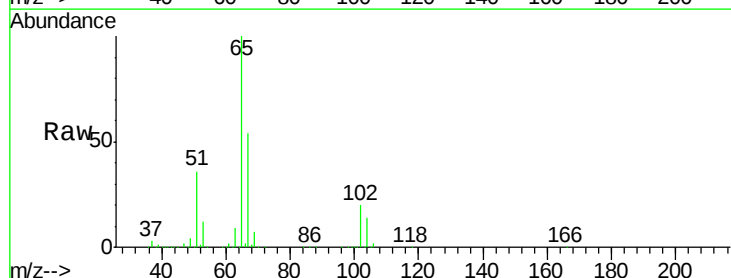
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-20180712

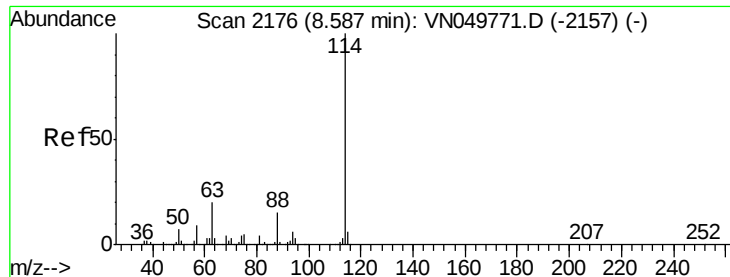
Tot Ion: 43 Resp: 26159  
Ion Ratio Lower Upper  
43 100  
74 28.3 19.8 29.8



#33  
1,2-Dichloroethane-d4  
Concen: 56.91 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

Tgt Ion: 65 Resp: 869209  
Ion Ratio Lower Upper  
65 100  
67 53.4 0.0 107.2

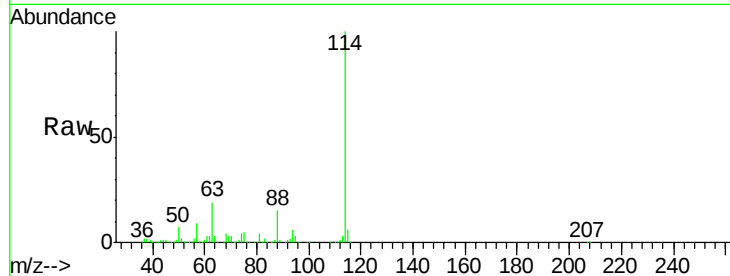




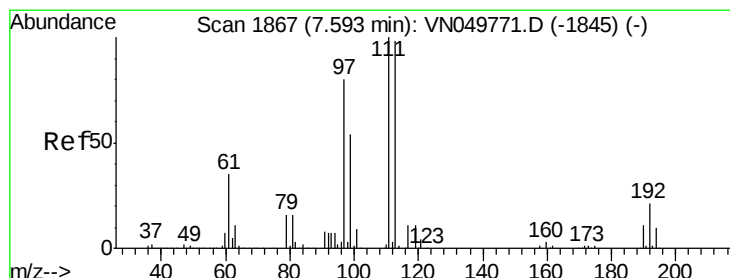
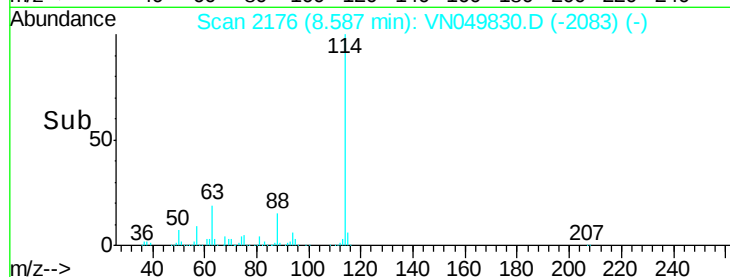
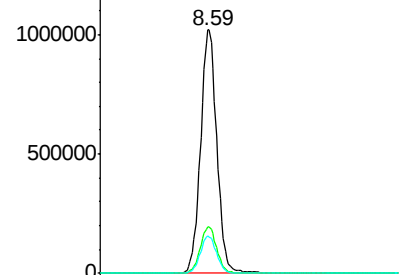
#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.59 min Scan# 2176  
Delta R.T. 0.00 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-20180712

Tot Ion:114 Resp: 2140635  
Ion Ratio Lower Upper  
114 100  
63 19.3 0.0 39.8  
88 15.4 0.0 30.6

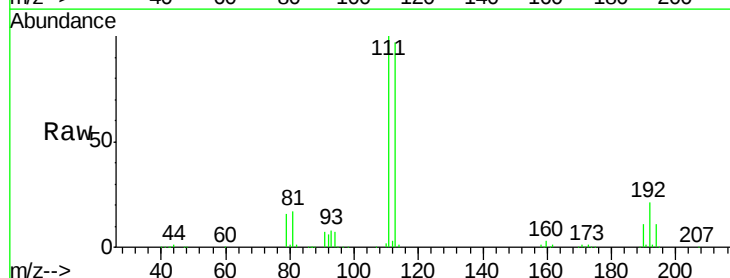


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

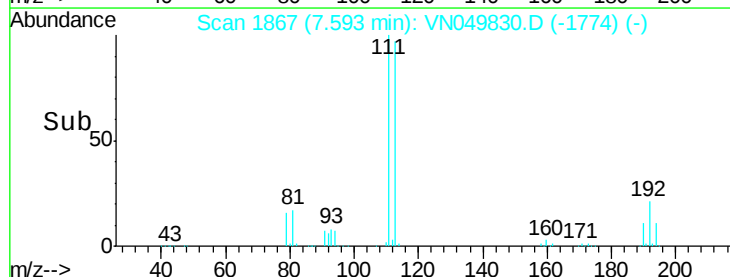
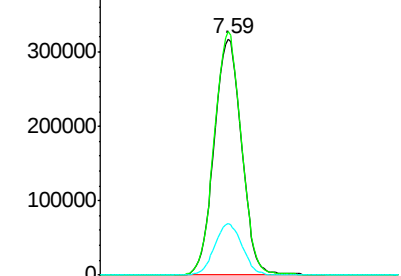


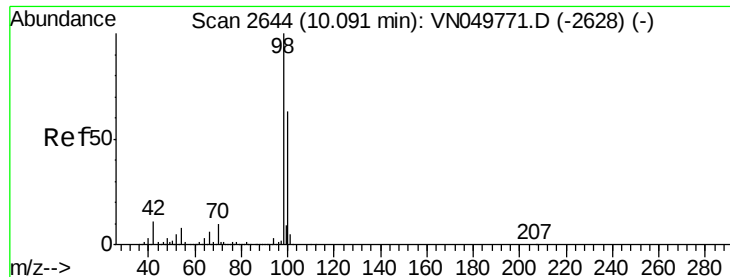
#35  
Dibromofluoromethane  
Concen: 50.28 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

Tgt Ion:113 Resp: 811372  
Ion Ratio Lower Upper  
113 100  
111 101.3 81.8 122.8  
192 22.0 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V  
Ion 110.80 (110.50 to 111.50): V  
Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 52.25 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049830.D

Acq: 14 Jul 2018 6:23

Instrument :

MSVOA\_N

ClientSampleId :

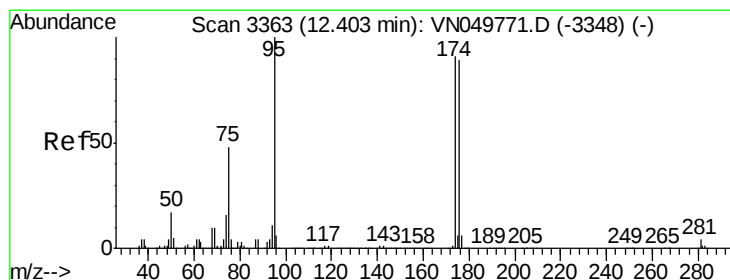
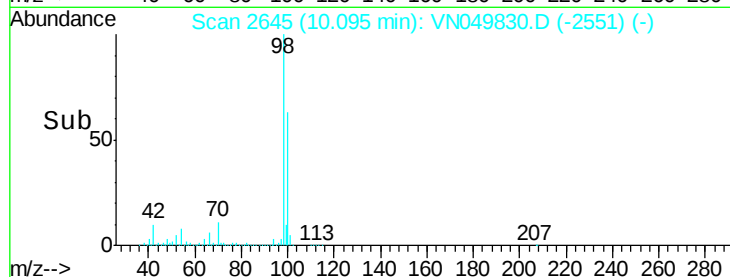
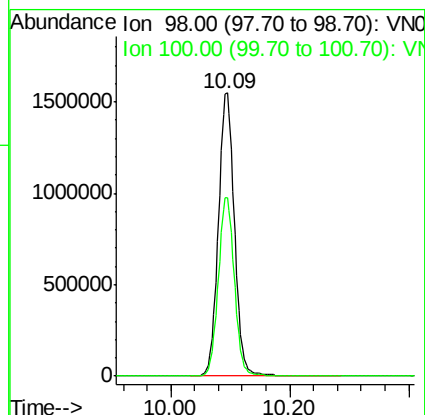
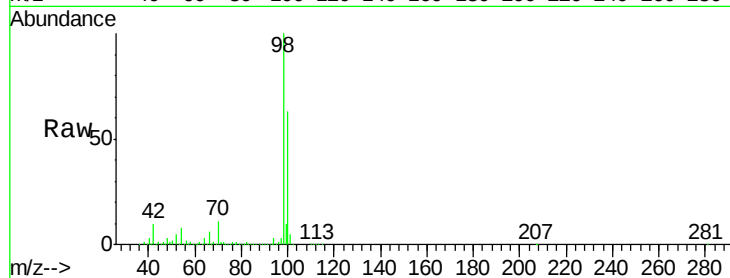
TB-20180712

Tot Ion: 98 Resp: 2886034

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5



#62

4-Bromofluorobenzene

Concen: 39.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049830.D

Acq: 14 Jul 2018 6:23

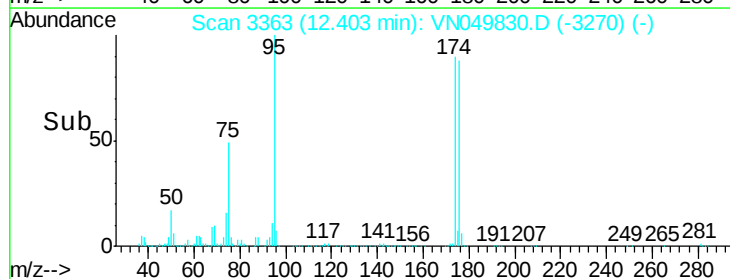
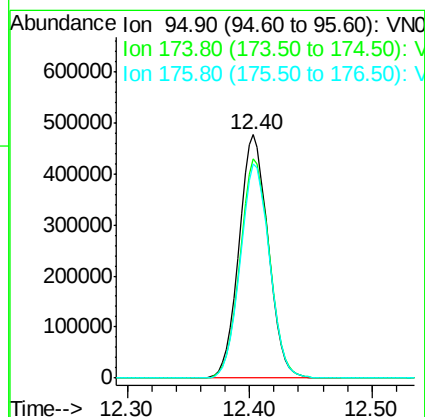
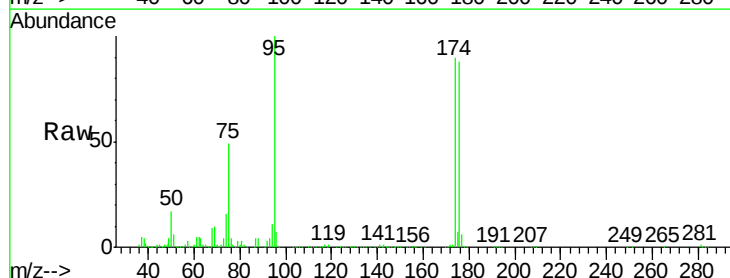
Tgt Ion: 95 Resp: 785392

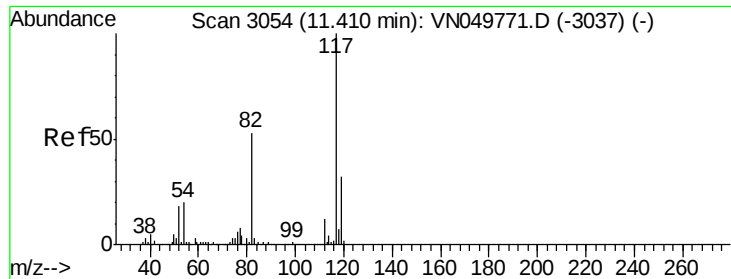
Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.6

176 88.5 0.0 174.0

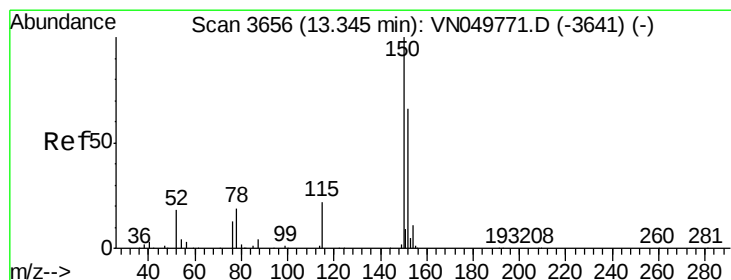
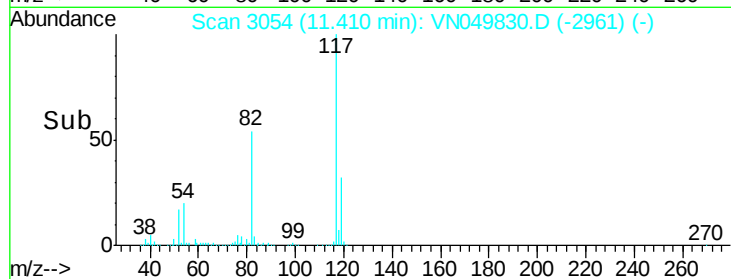
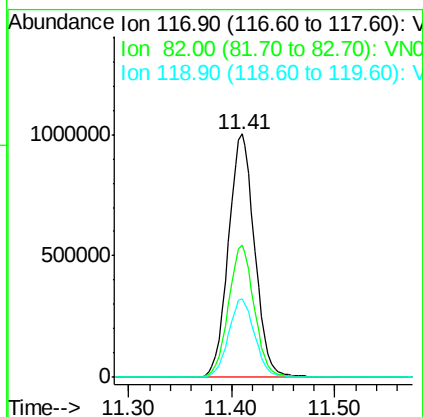
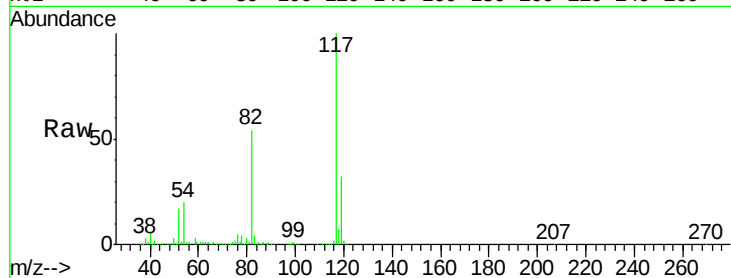




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

Instrument :  
MSVOA\_N  
ClientSampled :  
TB-20180712

Tot Ion:117 Resp: 1770119  
Ion Ratio Lower Upper  
117 100  
82 54.2 41.9 62.9  
119 32.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3656  
Delta R.T. 0.00 min  
Lab File: VN049830.D  
Acq: 14 Jul 2018 6:23

Tgt Ion:152 Resp: 630100  
Ion Ratio Lower Upper  
152 100  
115 56.3 28.1 84.2  
150 158.1 0.0 347.6

