

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071318\  
 Data File : VN049819.D  
 Acq On : 14 Jul 2018 1:39  
 Operator : MD\SY  
 Sample : PB111069ZHE#16  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#16

Quant Time: Jul 14 04:21:16 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  | 1203658  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1962352  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1590133  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 578874   | 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   | 815502   | 58.24 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 116.48% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 741574   | 50.13 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.26% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2609864  | 51.55 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 103.10% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 705869   | 39.03 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 78.06%  |          |

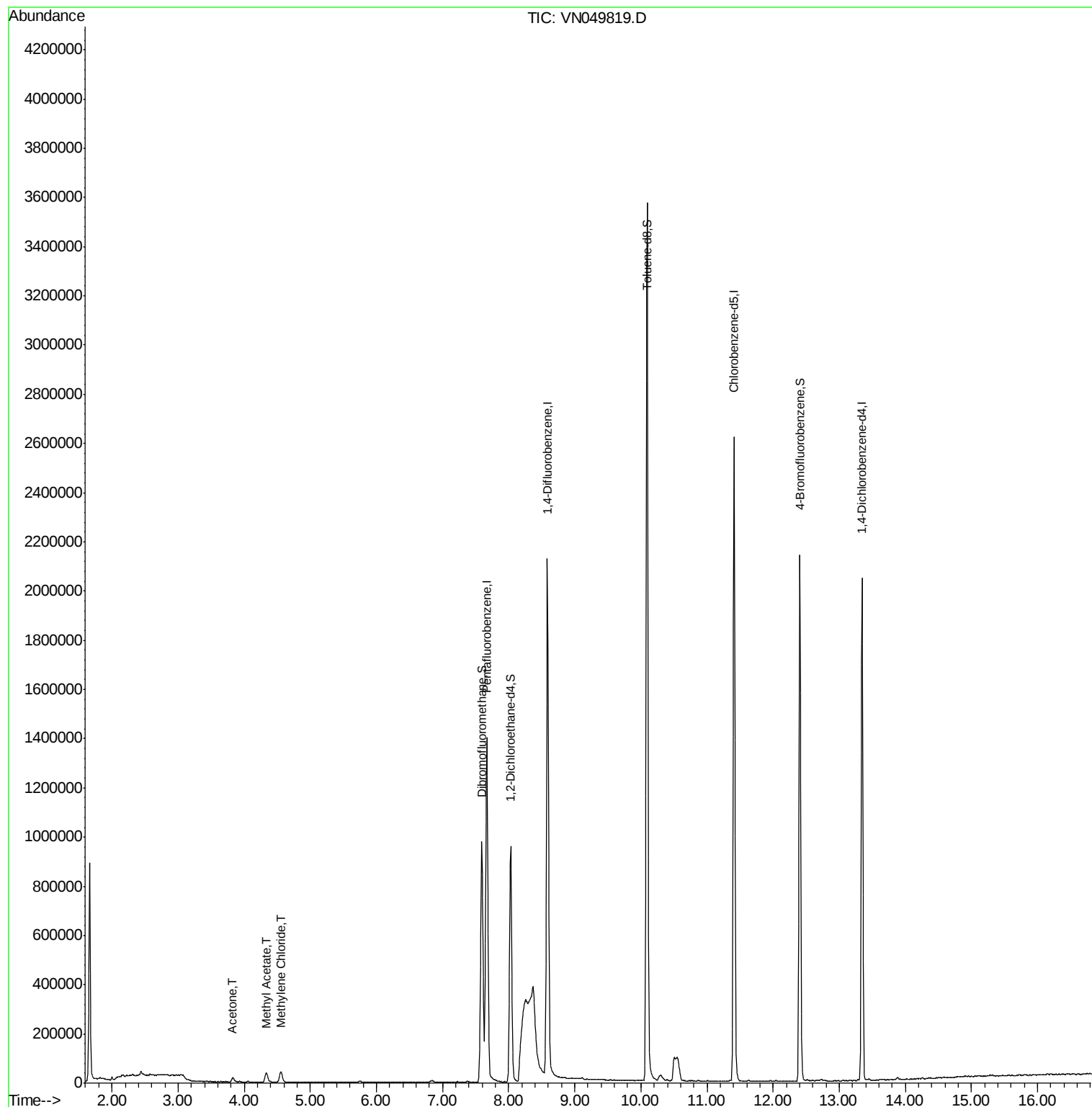
| Target Compounds       | R.T. | QIon | Response | Conc | Units | Qvalue |
|------------------------|------|------|----------|------|-------|--------|
| 16) Acetone            | 3.82 | 43   | 27914    | 6.07 | ug/l  | 95     |
| 18) Methyl Acetate     | 4.34 | 43   | 75556    | 5.81 | ug/l  | # 71   |
| 20) Methylene Chloride | 4.55 | 84   | 31972    | 1.33 | ug/l  | 91     |

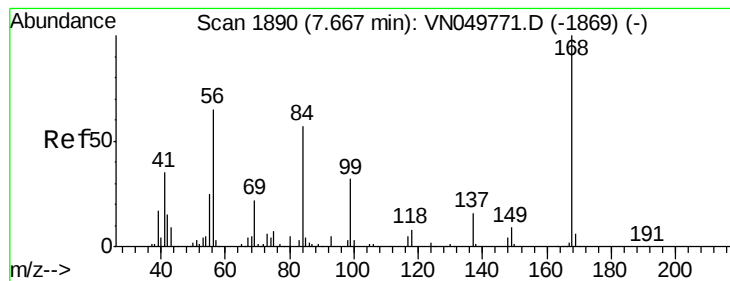
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049819.D

Acq: 14 Jul 2018 1:39

Instrument :

MSVOA\_N

ClientSampleId :

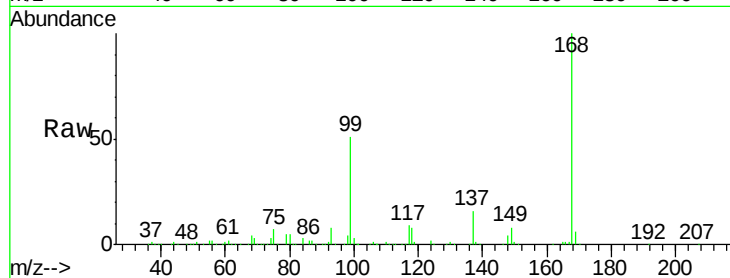
PB111069ZHE#16

Tot Ion:168 Resp: 1203658

Ion Ratio Lower Upper

168 100

99 50.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

300000

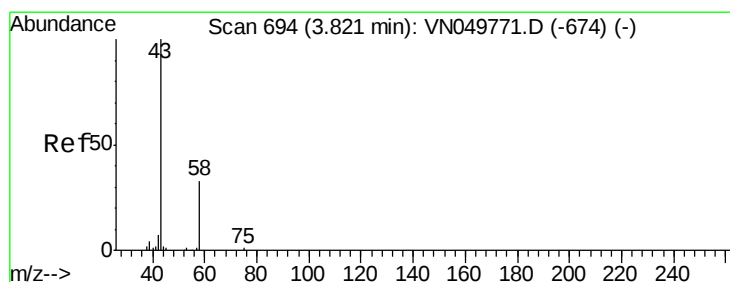
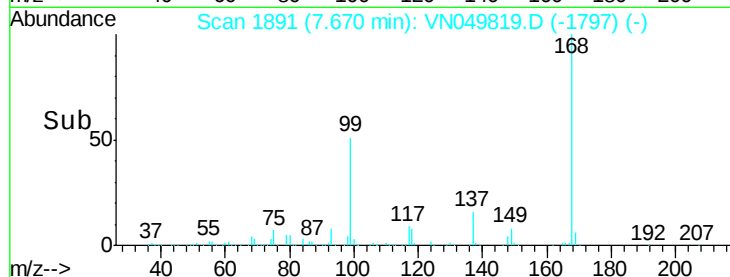
200000

100000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 6.07 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049819.D

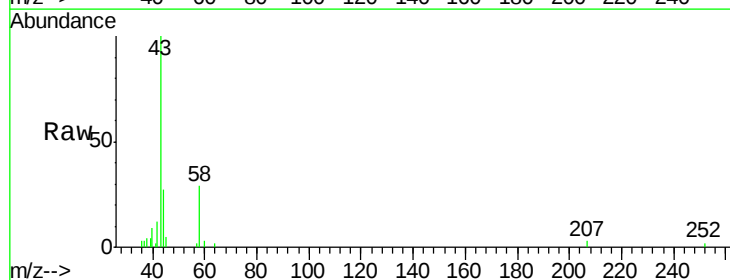
Acq: 14 Jul 2018 1:39

Tgt Ion: 43 Resp: 27914

Ion Ratio Lower Upper

43 100

58 29.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

12000

10000

8000

6000

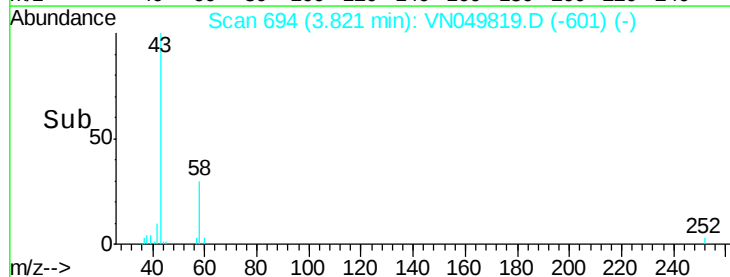
4000

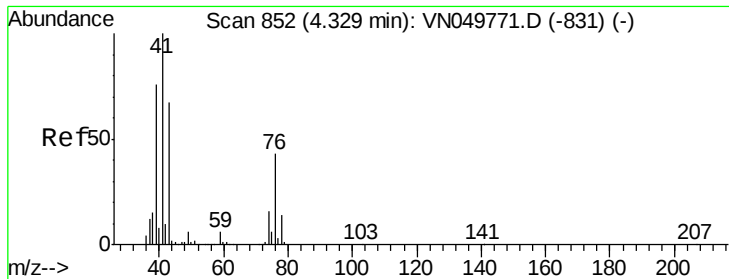
2000

0

Time-->

3.70 3.75 3.80 3.85 3.90





#18

Methvl Acetate

Concen: 5.81 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049819.D

Acq: 14 Jul 2018 1:39

Instrument :

MSVOA\_N

ClientSampleId :

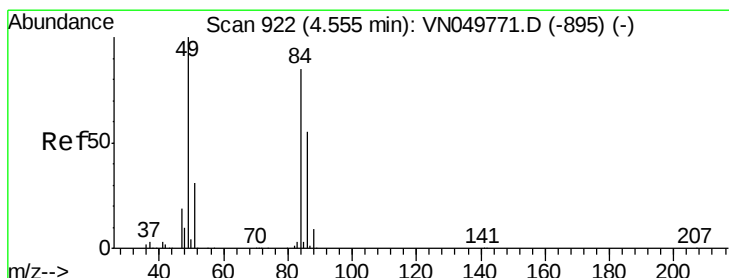
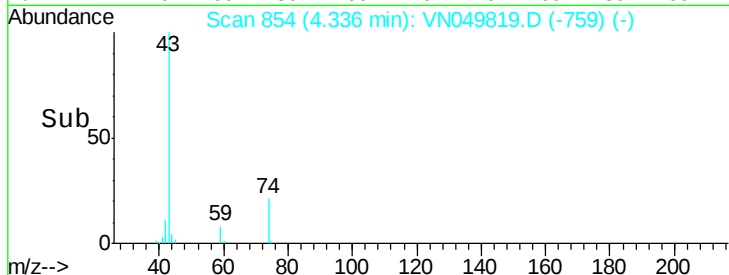
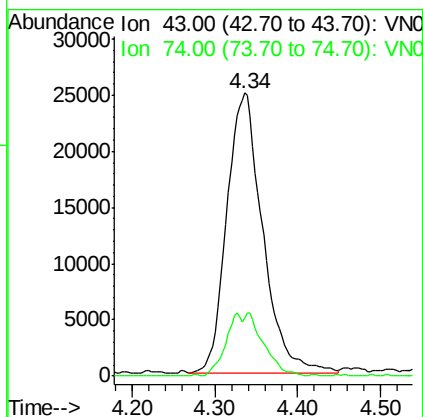
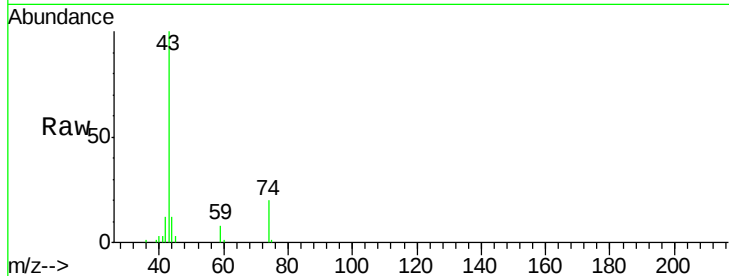
PB111069ZHE#16

Tot Ion: 43 Resp: 75556

Ion Ratio Lower Upper

43 100

74 10.2 19.8 29.8#



#20

Methylene Chloride

Concen: 1.33 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.01 min

Lab File: VN049819.D

Acq: 14 Jul 2018 1:39

Tgt Ion: 84 Resp: 31972

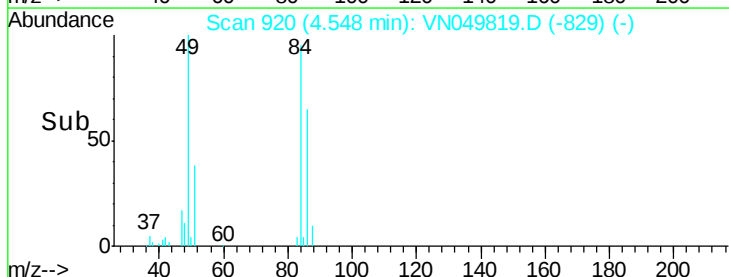
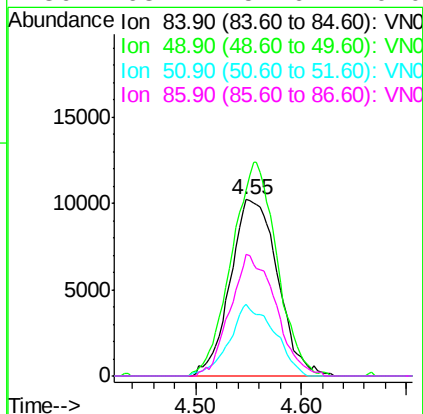
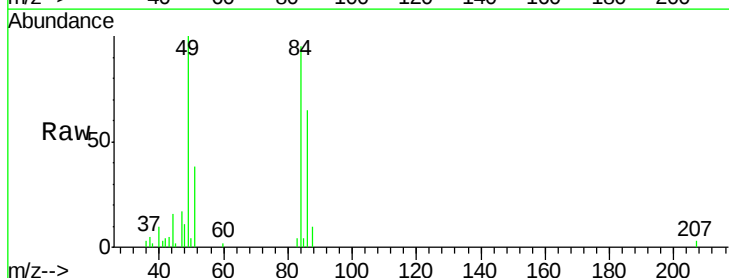
Ion Ratio Lower Upper

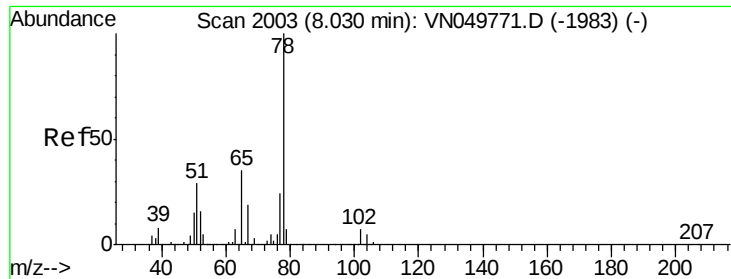
84 100

49 105.1 95.4 143.2

51 40.3 28.4 42.6

86 68.7 52.6 79.0

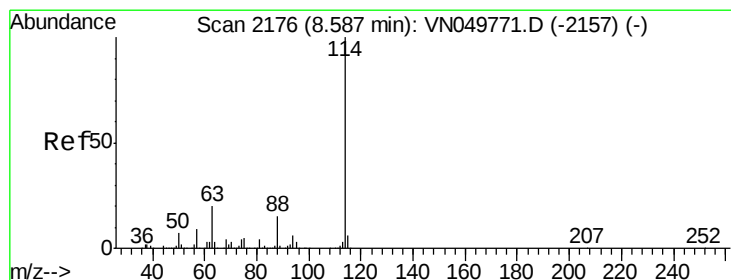
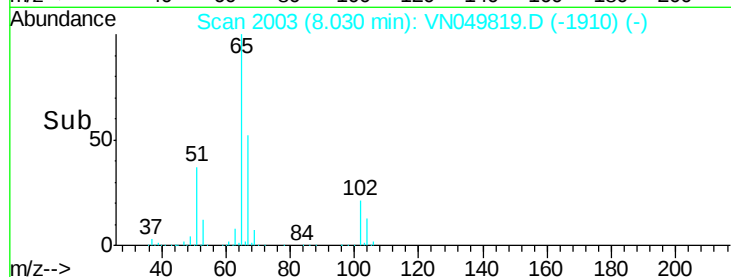
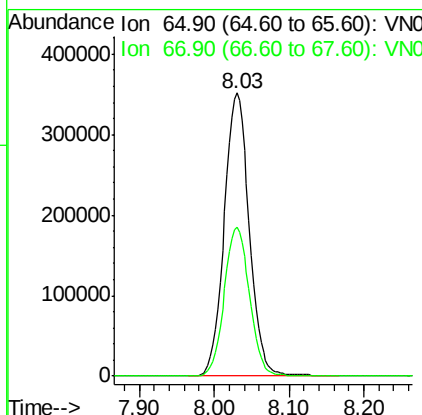
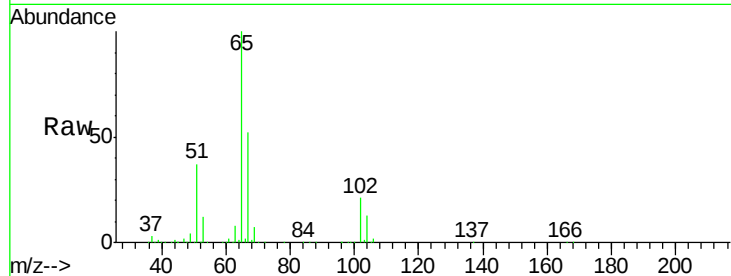




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.24 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. -0.00 min  
 Lab File: VN049819.D  
 Acq: 14 Jul 2018 1:39

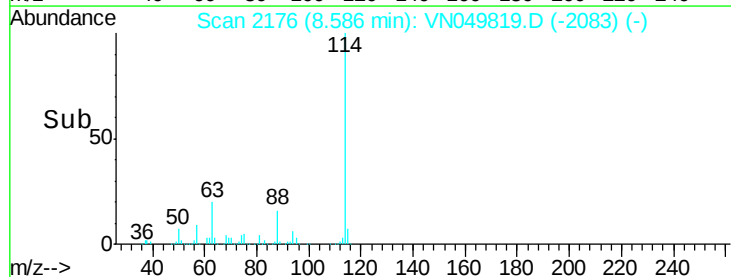
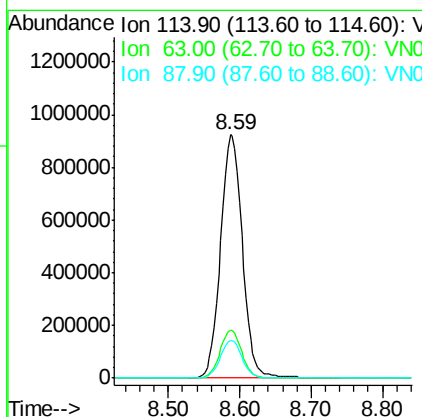
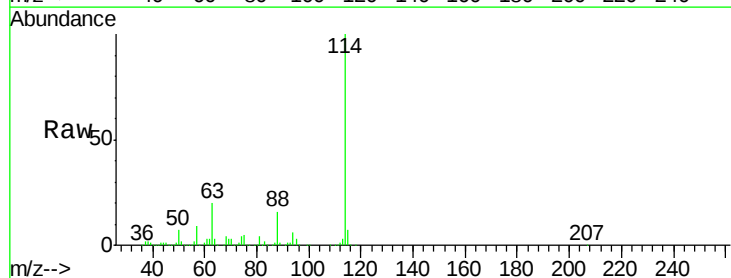
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111069ZHE#16

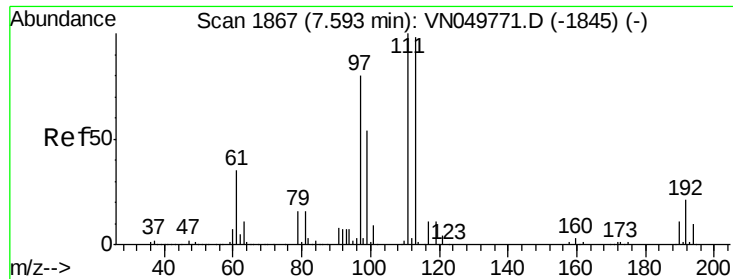
Tot Ion: 65 Resp: 815502  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 107.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. -0.00 min  
 Lab File: VN049819.D  
 Acq: 14 Jul 2018 1:39

Tgt Ion: 114 Resp: 1962352  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 39.8  
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.13 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049819.D

Acq: 14 Jul 2018 1:39

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#16

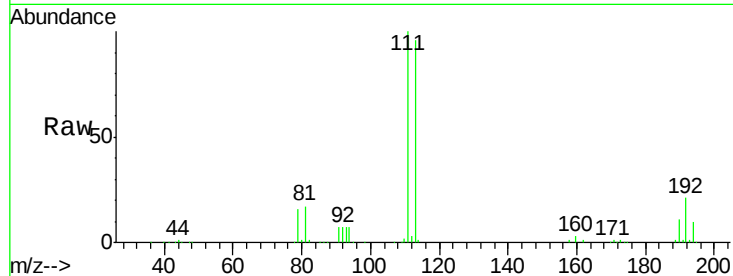
Tot Ion:113 Resp: 741574

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

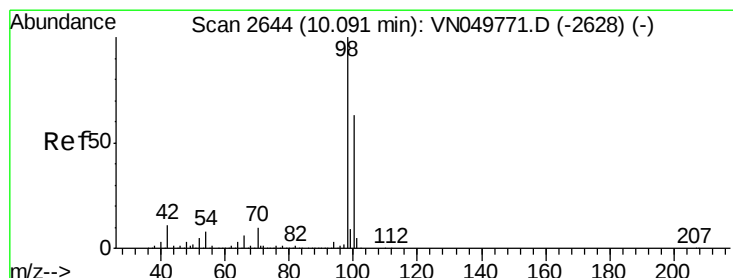
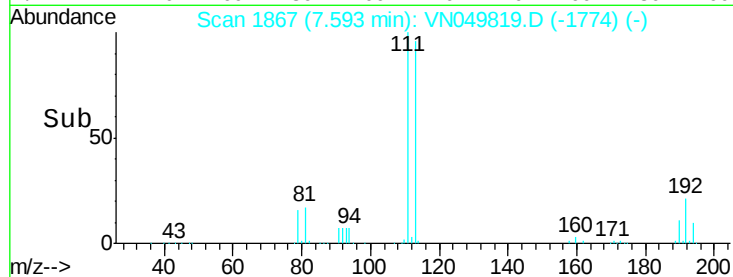
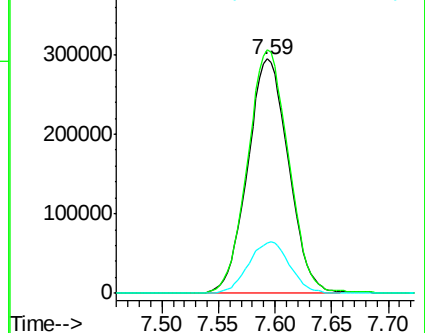
192 22.2 17.8 26.6



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: 51.55 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049819.D

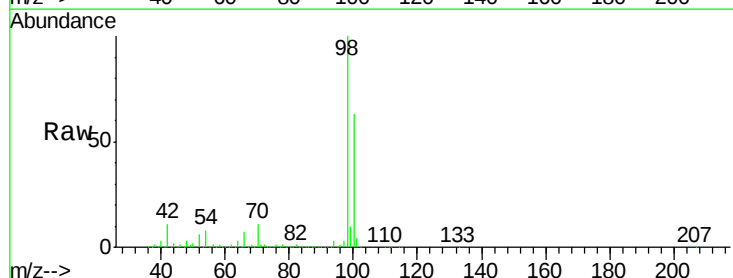
Acq: 14 Jul 2018 1:39

Tgt Ion: 98 Resp: 2609864

Ion Ratio Lower Upper

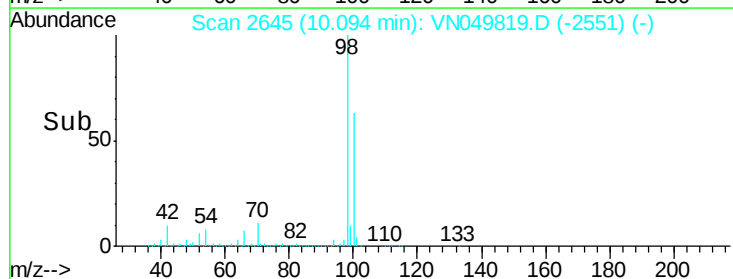
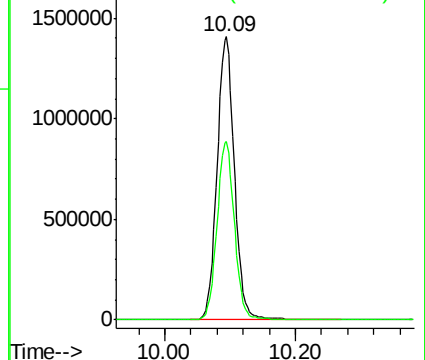
98 100

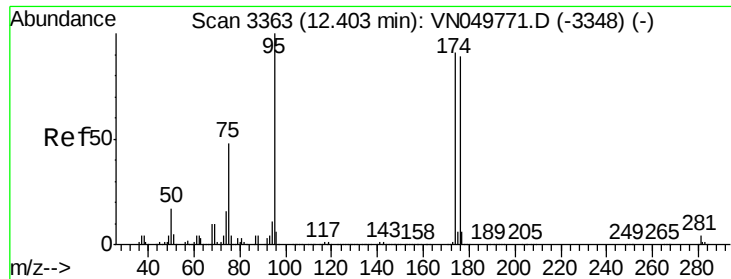
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

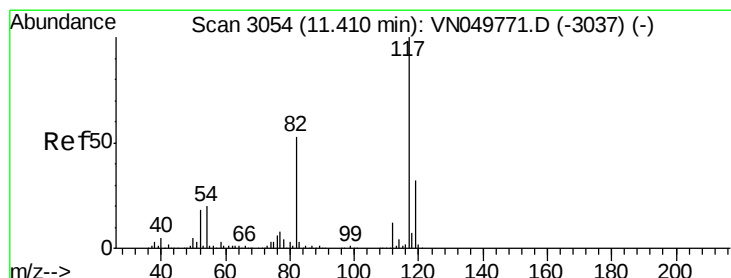
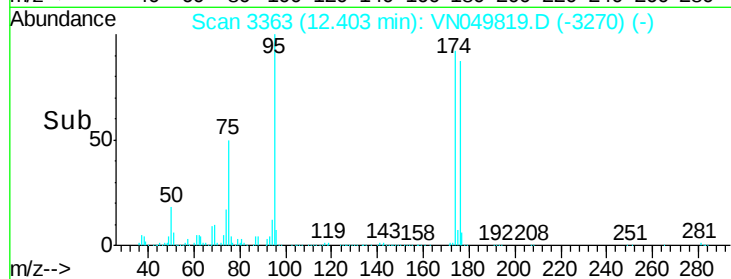
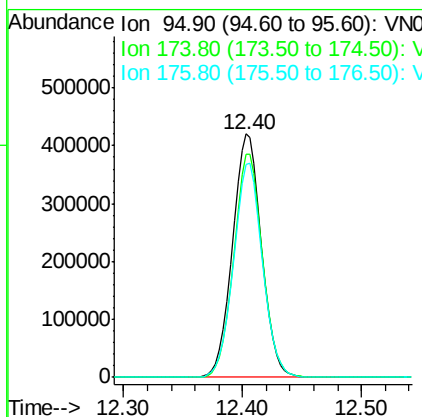
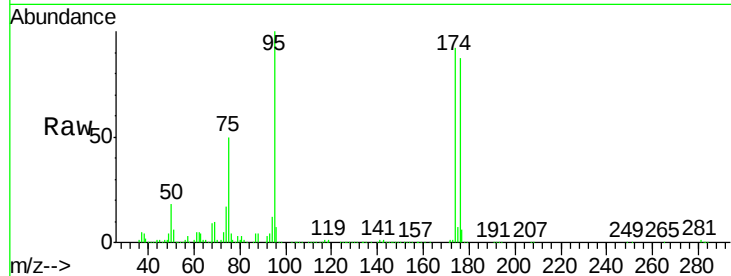




#62  
4-Bromofluorobenzene  
Concen: 39.03 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. -0.00 min  
Lab File: VN049819.D  
Acq: 14 Jul 2018 1:39

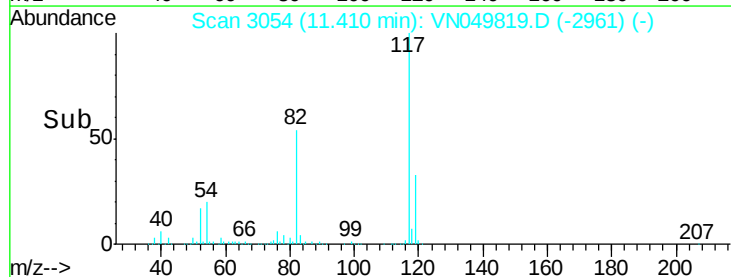
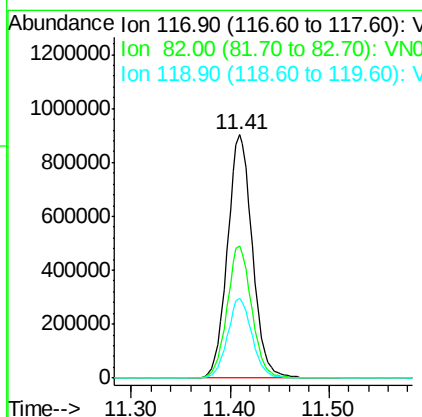
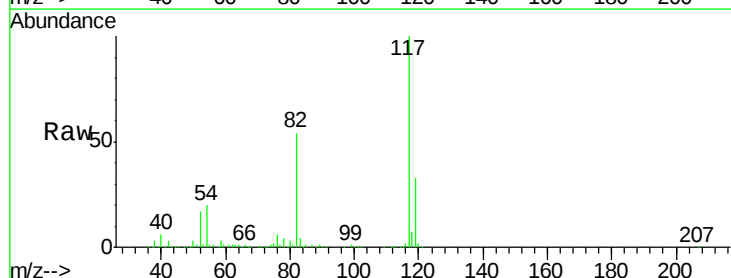
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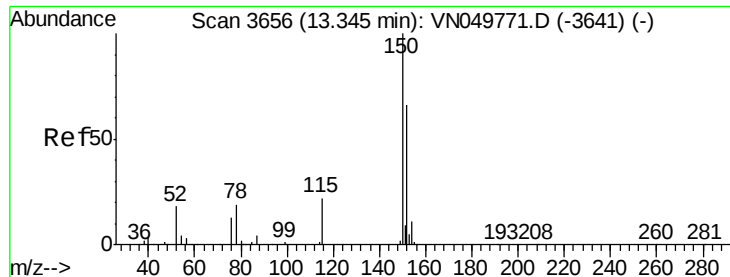
Tot Ion: 95 Resp: 705869  
Ion Ratio Lower Upper  
95 100  
174 91.1 0.0 179.6  
176 87.9 0.0 174.0



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. -0.00 min  
Lab File: VN049819.D  
Acq: 14 Jul 2018 1:39

Tgt Ion: 117 Resp: 1590133  
Ion Ratio Lower Upper  
117 100  
82 54.2 41.9 62.9  
119 32.7 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: VN049819.D

Acq: 14 Jul 2018 1:39

Instrument :

MSVOA\_N

ClientSampleId :

PB111069ZHE#16

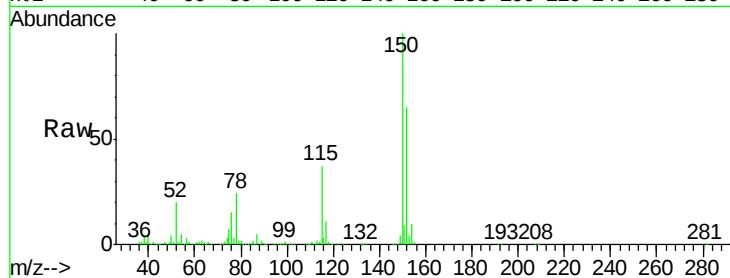
Tot Ion:152 Resp: 578874

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 156.5 0.0 347.6



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

