

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\  
 Data File : VN050268.D  
 Acq On : 2 Aug 2018 16:59  
 Operator : MD\SY  
 Sample : PB111674ZHE#06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB111674ZHE#06

Quant Time: Aug 03 01:36:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N072418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jul 26 18:10:10 2018  
 Response via : Initial Calibration

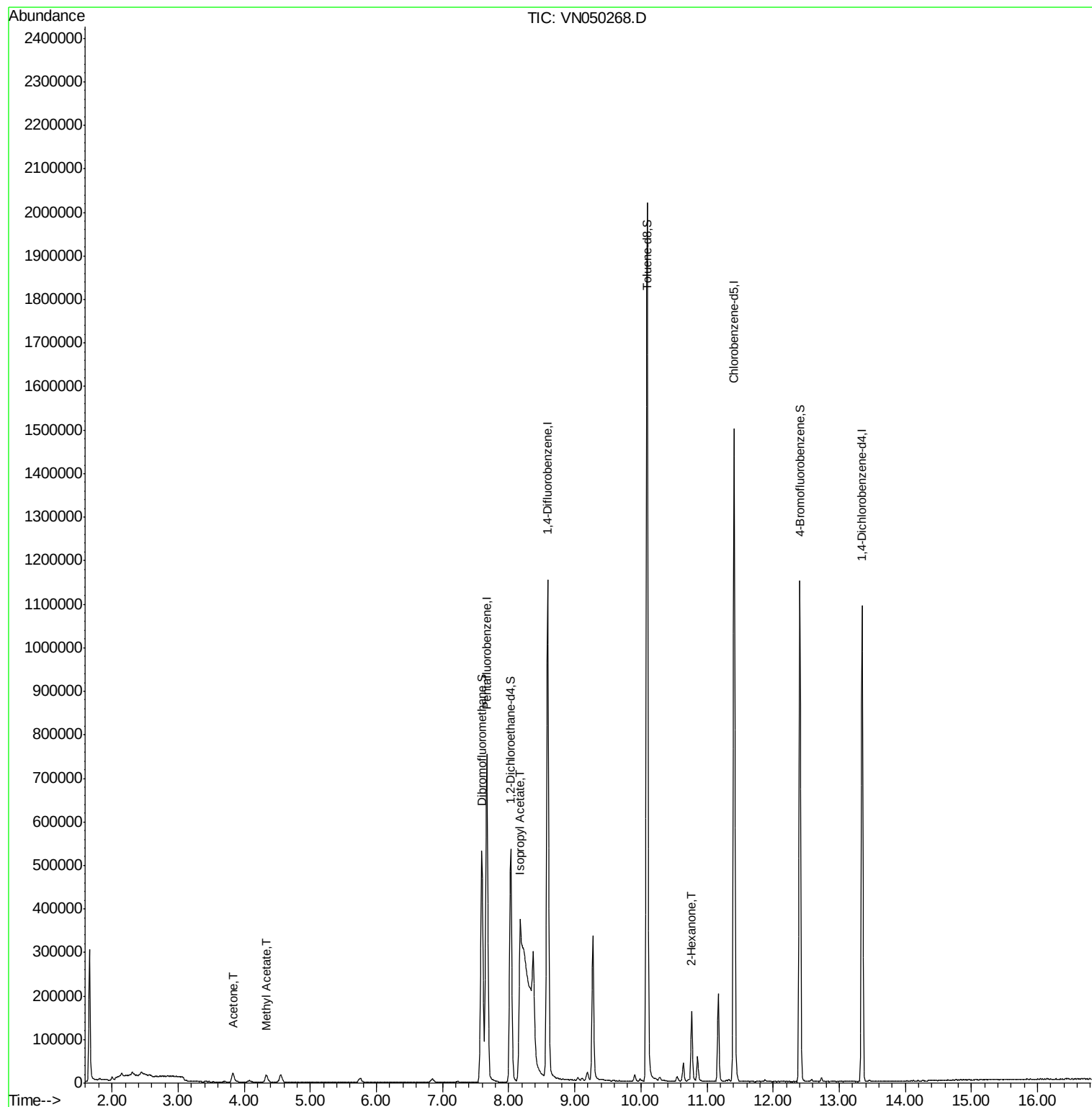
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 640783   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1072486  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 895815   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 312521   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 464115   | 51.91  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.82% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 408721   | 46.68  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.36%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1451504  | 45.09  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 90.18%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 388615   | 36.66  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 73.32%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.83  | 43   | 35553    | 12.762 | ug/l    | 99       |
| 18) Methyl Acetate          | 4.33  | 43   | 31773    | 2.325  | ug/l    | 96       |
| 43) Isopropyl Acetate       | 8.18  | 43   | 501117   | 31.136 | ug/l #  | 85       |
| 59) 2-Hexanone              | 10.77 | 43   | 23991    | 9.035  | ug/l #  | 57       |

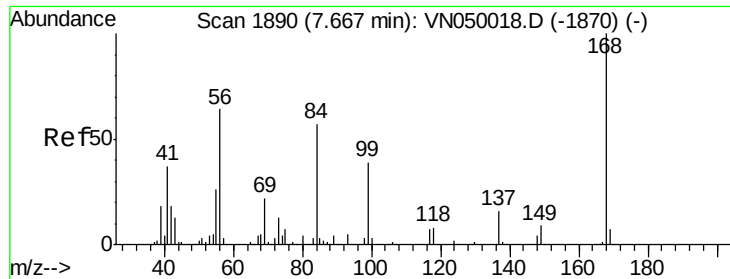
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Thu Jul 26 18:10:10 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050268.D

Acq: 2 Aug 2018 16:59

Instrument :

MSVOA\_N

ClientSampleId :

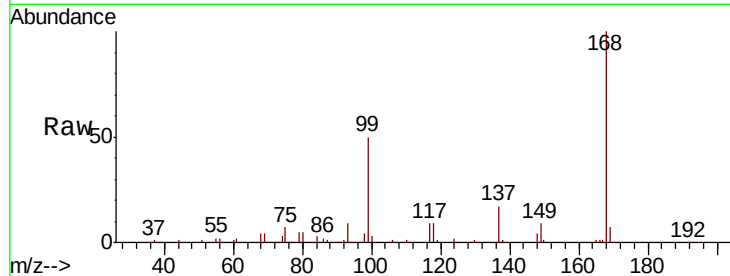
PB111674ZHE#06

Tot Ion:168 Resp: 640783

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

100000

50000

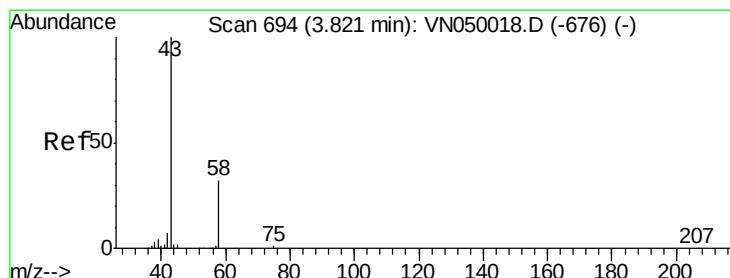
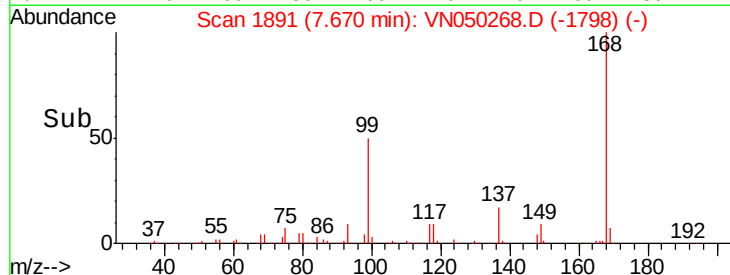
0

Time-->

7.60

7.70

7.80



#16

Acetone

Concen: 12.762 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050268.D

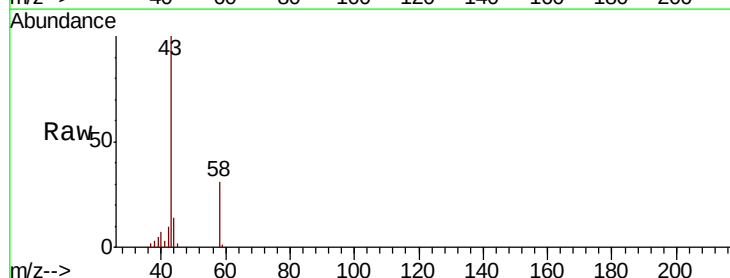
Acq: 2 Aug 2018 16:59

Tgt Ion: 43 Resp: 35553

Ion Ratio Lower Upper

43 100

58 31.6 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

15000

10000

5000

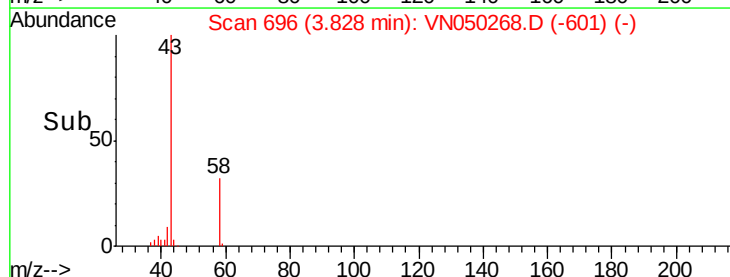
0

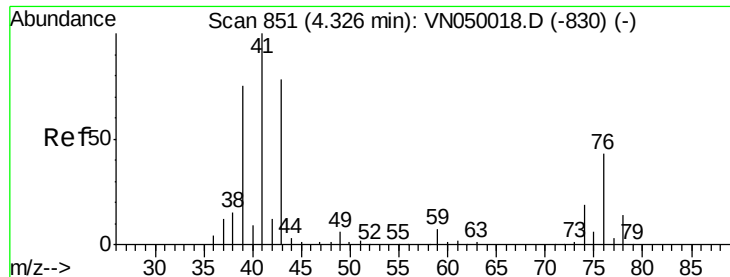
Time-->

3.70

3.80

3.90

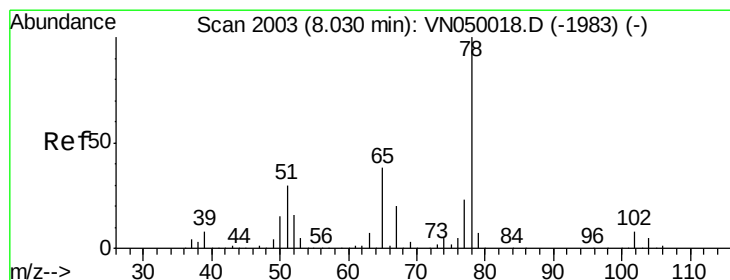
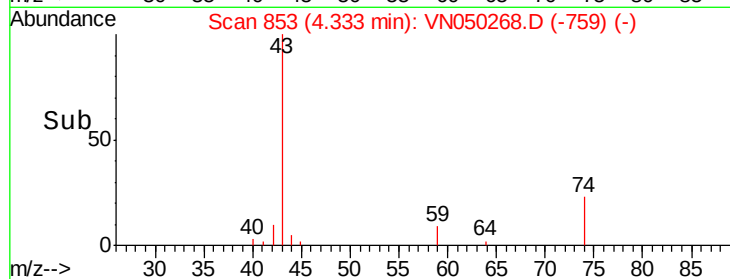
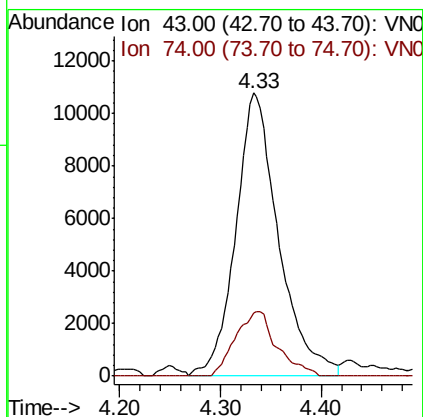
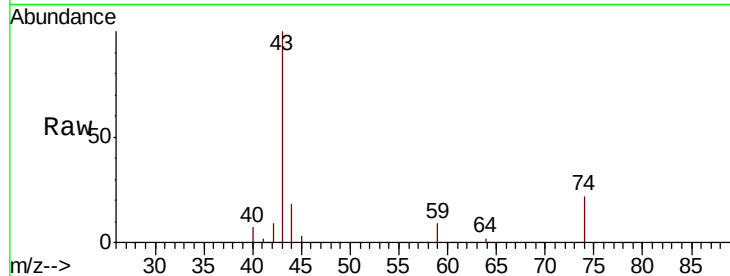




#18  
Methvl Acetate  
Concen: 2.325 ug/l  
RT: 4.33 min Scan# 853  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

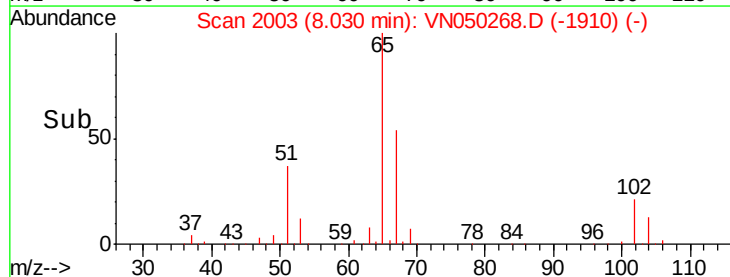
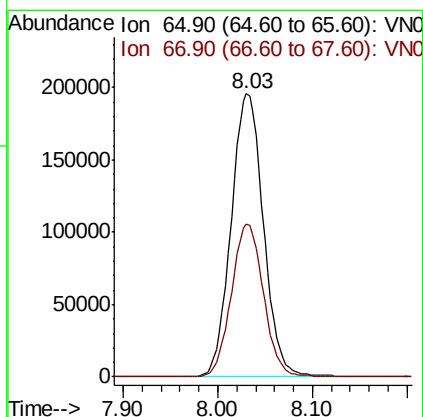
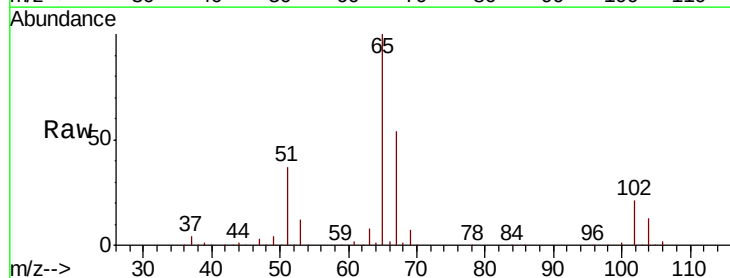
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111674ZHE#06

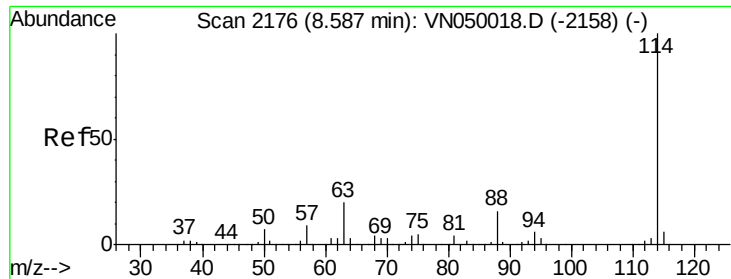
Tot Ion: 43 Resp: 31773  
Ion Ratio Lower Upper  
43 100  
74 22.2 19.2 28.8



#33  
1,2-Dichloroethane-d4  
Concen: 51.912 ug/l  
RT: 8.03 min Scan# 2003  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

Tgt Ion: 65 Resp: 464115  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 108.4

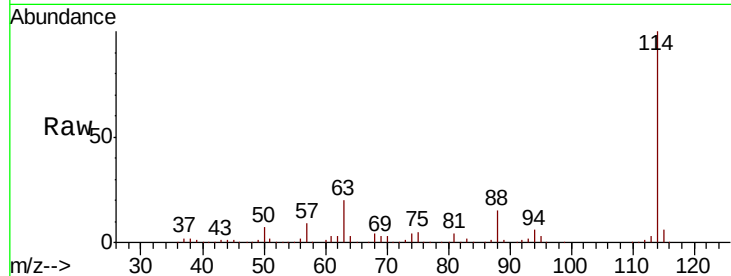




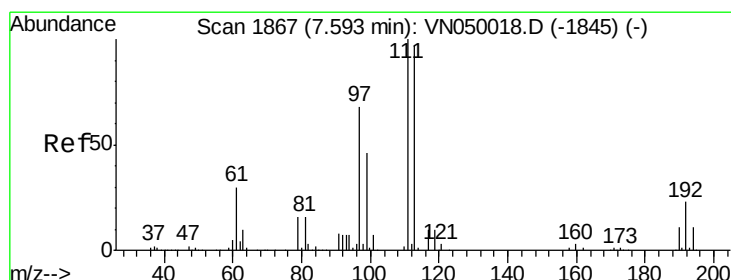
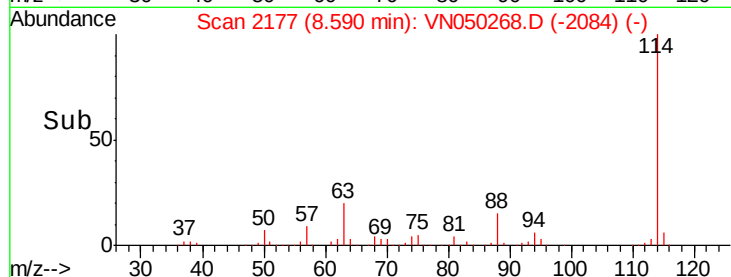
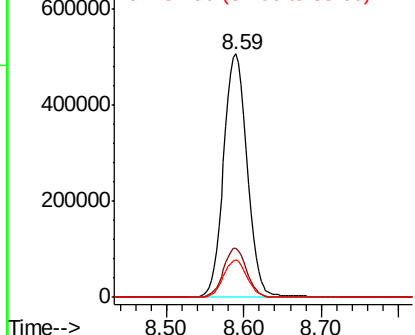
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.59 min Scan# 2177  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB111674ZHE#06

Tot Ion:114 Resp: 1072486  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.0  
88 15.2 0.0 31.2

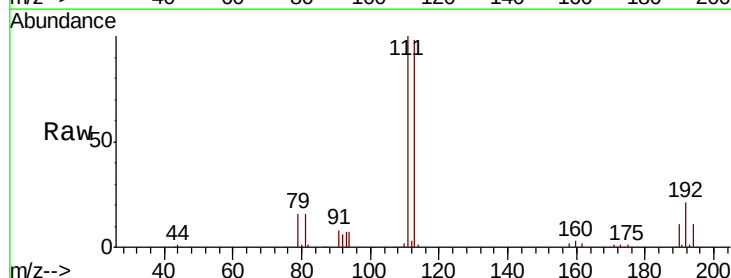


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VN  
Ion 87.90 (87.60 to 88.60): VN

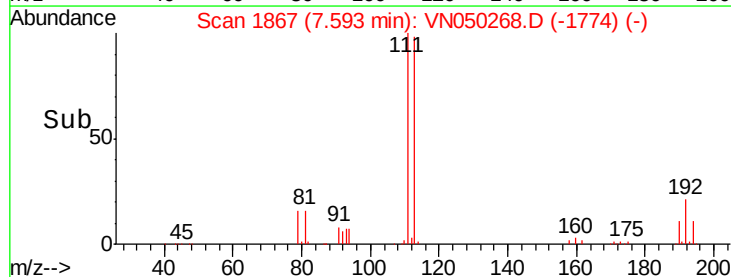
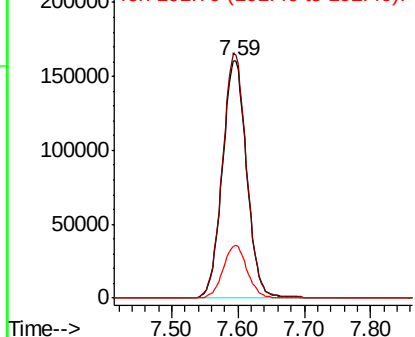


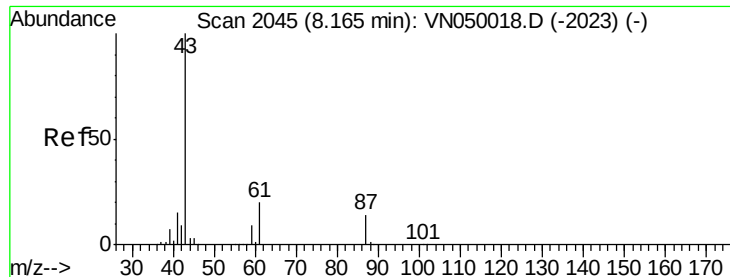
#35  
Dibromofluoromethane  
Concen: 46.676 ug/l  
RT: 7.59 min Scan# 1867  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

Tgt Ion:113 Resp: 408721  
Ion Ratio Lower Upper  
113 100  
111 102.6 80.7 121.1  
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





#43

Isopropyl Acetate

Concen: 31.136 ug/l

RT: 8.18 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VN050268.D

Acq: 2 Aug 2018 16:59

Instrument :

MSVOA\_N

ClientSampleId :

PB111674ZHE#06

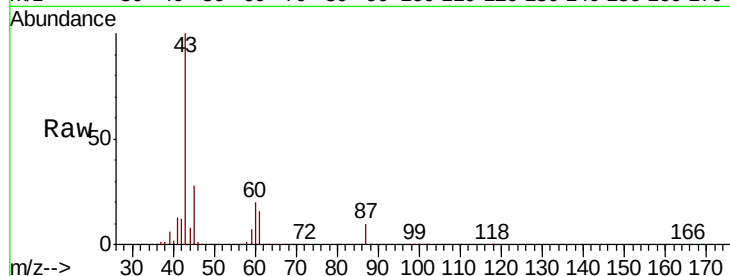
Tot Ion: 43 Resp: 501117

Ion Ratio Lower Upper

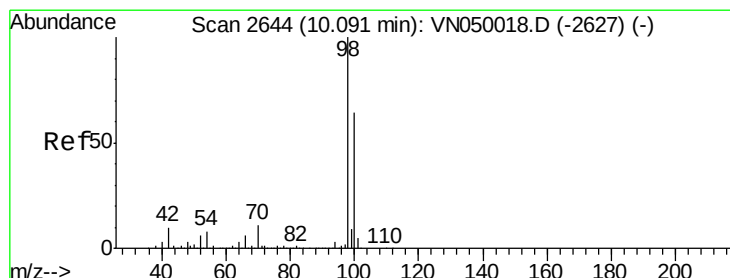
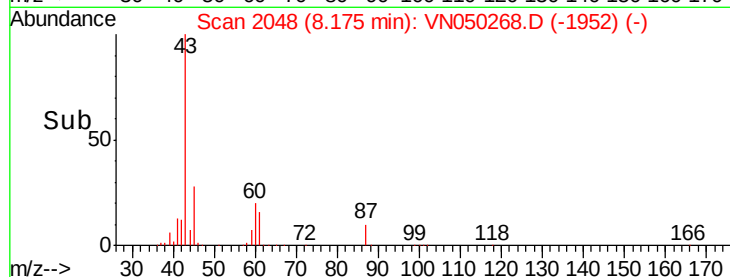
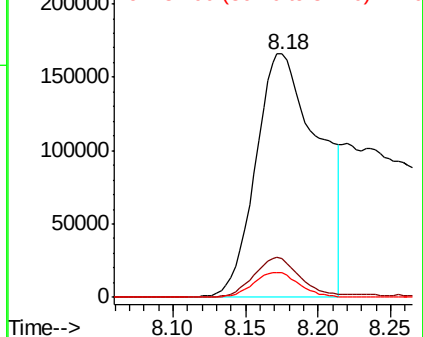
43 100

61 12.8 15.8 23.6#

87 7.5 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO  
Ion 61.00 (60.70 to 61.70): VNO  
Ion 87.00 (86.70 to 87.70): VNO



#50

Toluene-d8

Concen: 45.088 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050268.D

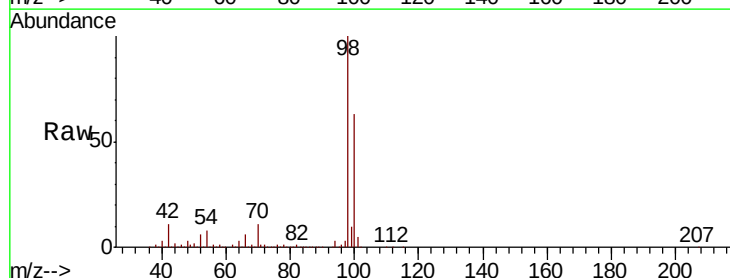
Acq: 2 Aug 2018 16:59

Tgt Ion: 98 Resp: 1451504

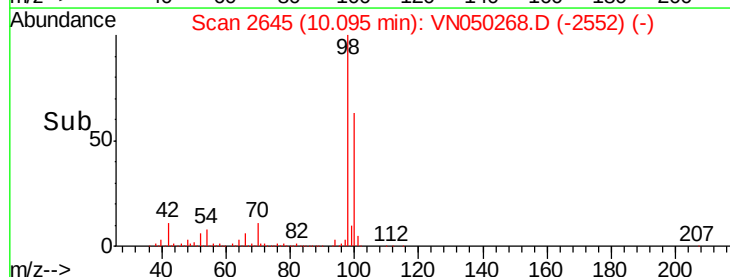
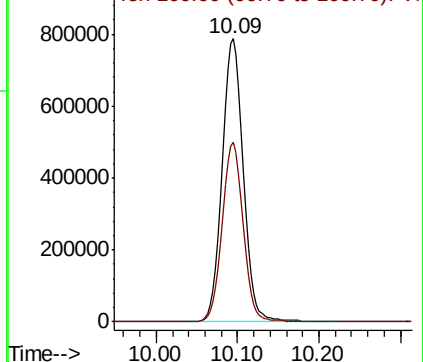
Ion Ratio Lower Upper

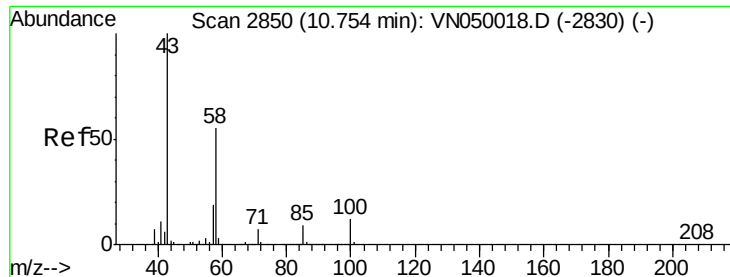
98 100

100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VNO  
Ion 100.00 (99.70 to 100.70): VNO





#59

2-Hexanone

Concen: 9.035 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050268.D

Acq: 2 Aug 2018 16:59

Instrument :

MSVOA\_N

ClientSampleId :

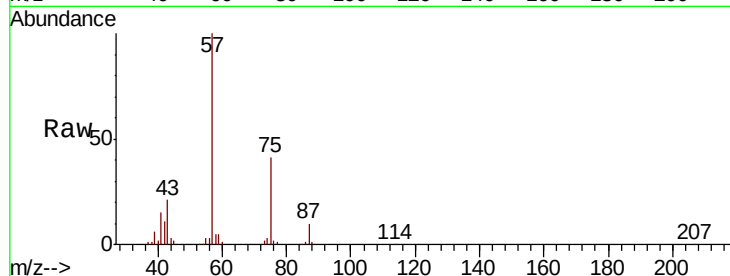
PB111674ZHE#06

Tot Ion: 43 Resp: 23991

Ion Ratio Lower Upper

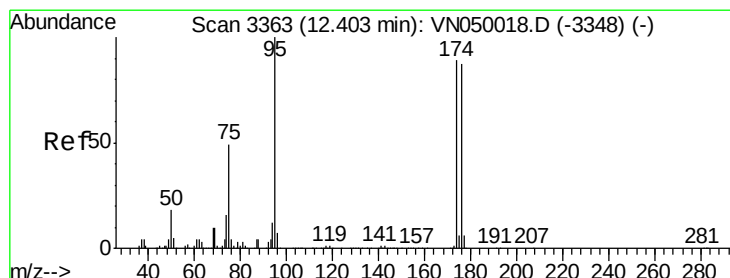
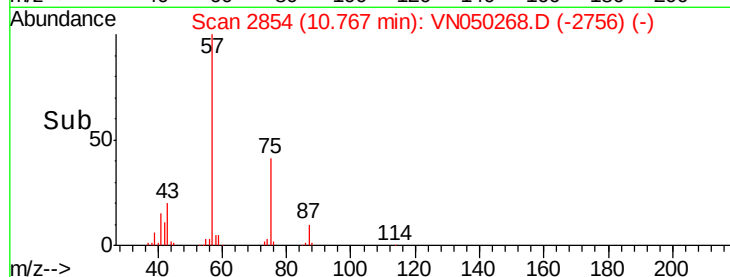
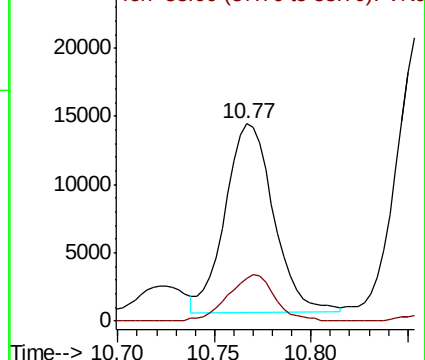
43 100

58 23.9 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 36.661 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050268.D

Acq: 2 Aug 2018 16:59

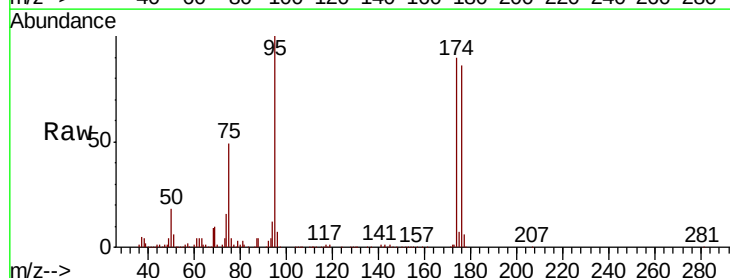
Tgt Ion: 95 Resp: 388615

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.2

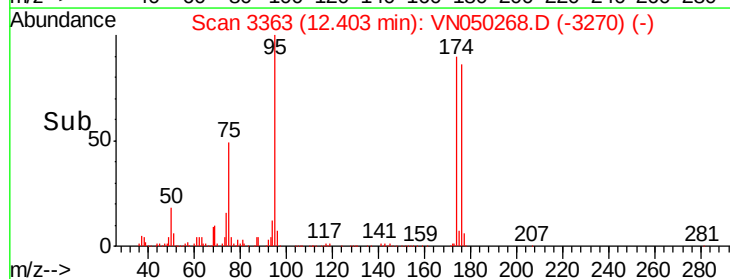
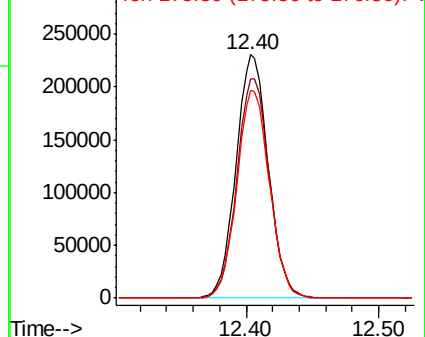
176 86.3 0.0 173.4

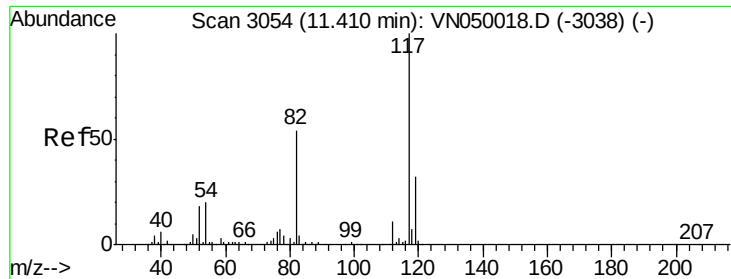


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

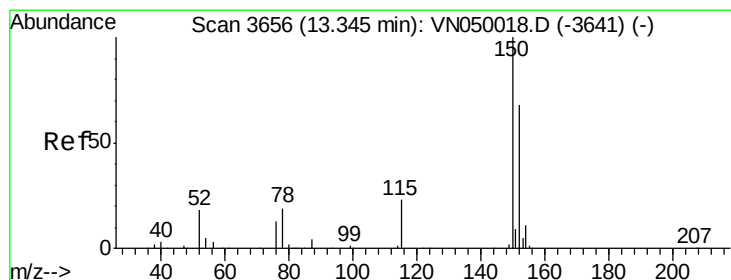
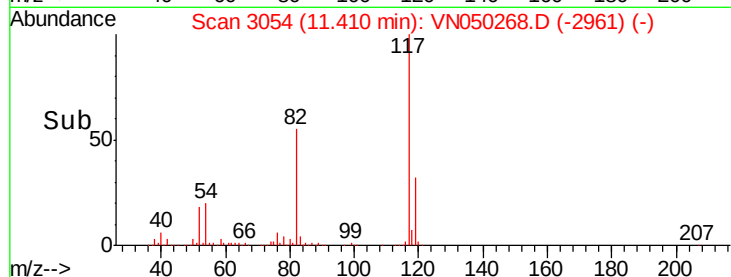
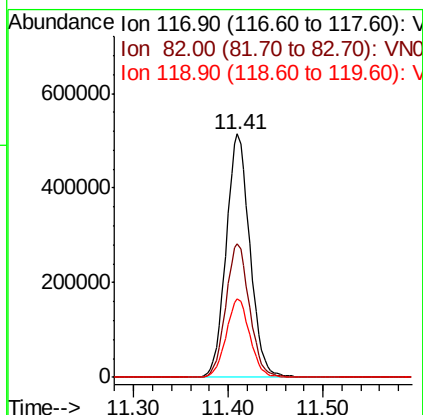
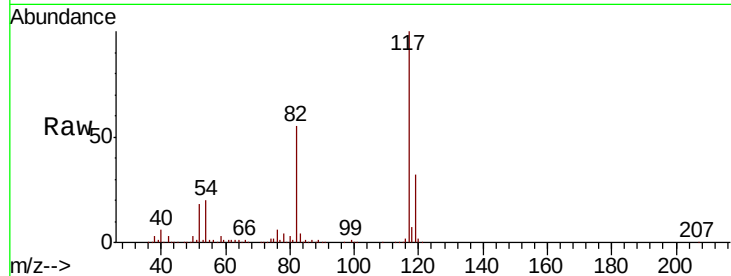




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

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ClientSampleId :  
PB111674ZHE#06

Tot Ion:117 Resp: 895815  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.7 65.5  
119 32.1 26.1 39.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3657  
Delta R.T. 0.00 min  
Lab File: VN050268.D  
Acq: 2 Aug 2018 16:59

Tgt Ion:152 Resp: 312521  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.8 83.3  
150 156.4 0.0 348.6

