

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\  
 Data File : VN051332.D  
 Acq On : 19 Sep 2018 20:34  
 Operator : MD\SY  
 Sample : PB112984ZHE#06  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112984ZHE#06

Quant Time: Sep 20 03:12:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N091718W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 18 06:04:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 526989   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 852056   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 700744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 228049   | 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   | 313525   | 54.74 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 109.48% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 317225   | 47.91 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.82%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1120478  | 45.78 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 91.56%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 296634   | 38.11 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 76.22%  |          |

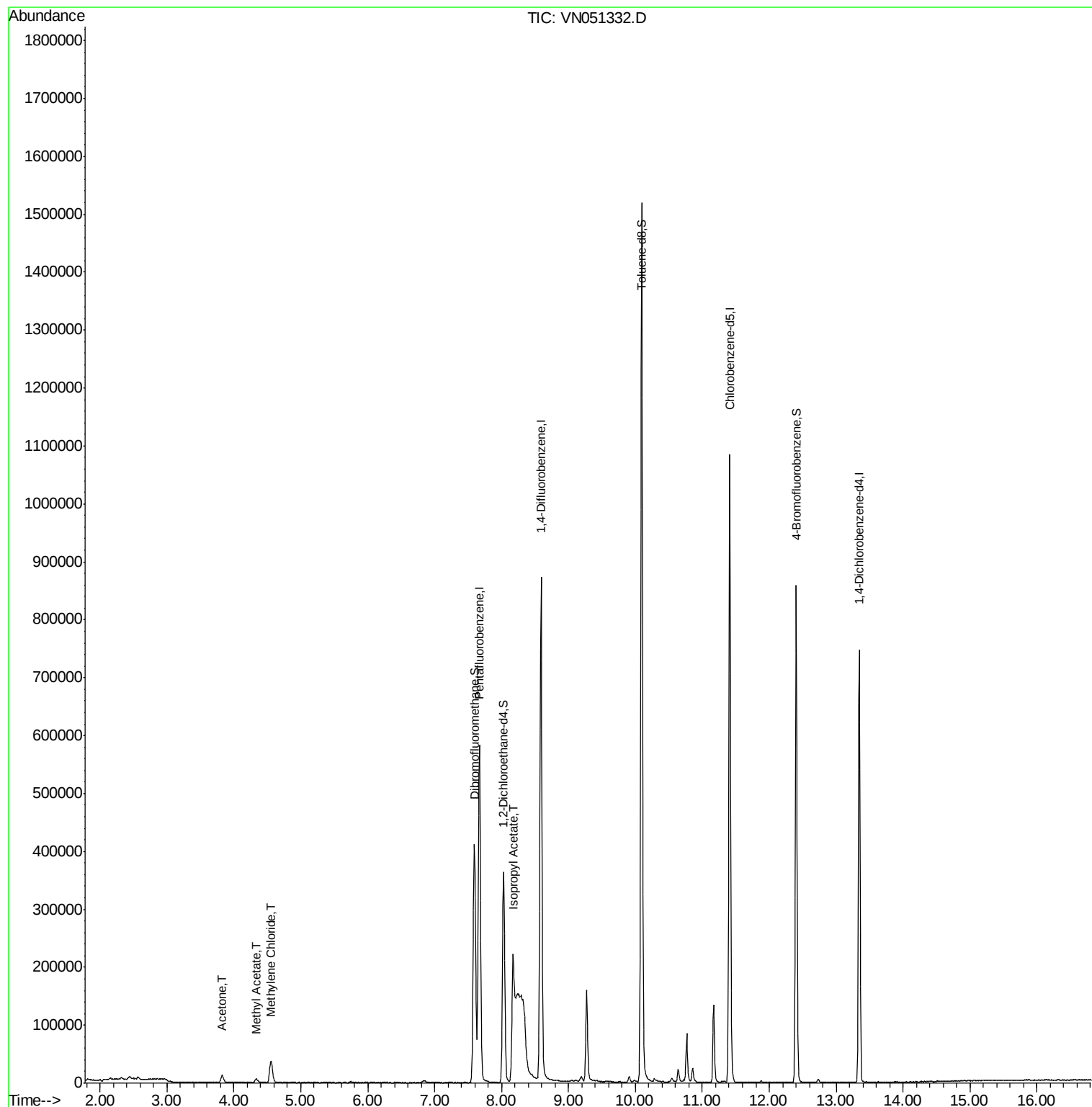
| Target Compounds       | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|------|------|----------|-------|--------|--------|
| 16) Acetone            | 3.82 | 43   | 21947    | 7.66  | ug/l   | 91     |
| 18) Methyl Acetate     | 4.33 | 43   | 14278    | 2.97  | ug/l   | 92     |
| 20) Methylene Chloride | 4.55 | 84   | 31222    | 4.98  | ug/l   | 94     |
| 43) Isopropyl Acetate  | 8.17 | 43   | 282219   | 34.40 | ug/l # | 87     |

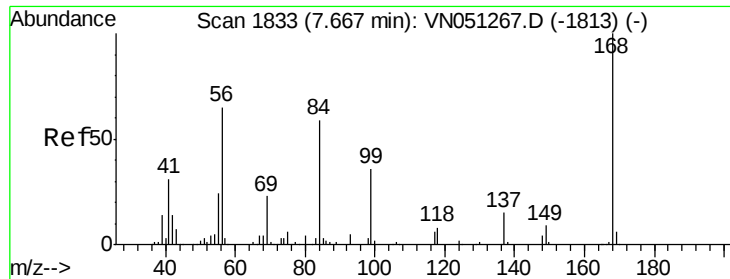
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091918\  
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Quant Time: Sep 20 03:12:12 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N091718W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 18 06:04:06 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: VN051332.D

Acq: 19 Sep 2018 20:34

Instrument :

MSVOA\_N

ClientSampleId :

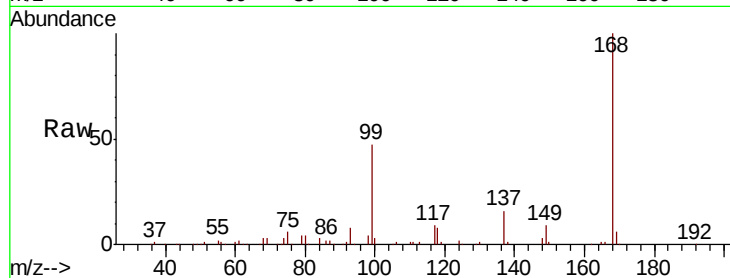
PB112984ZHE#06

Tot Ion:168 Resp: 526989

Ion Ratio Lower Upper

168 100

99 47.1 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

250000

200000

150000

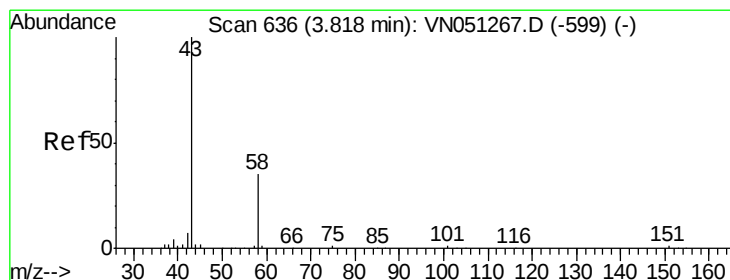
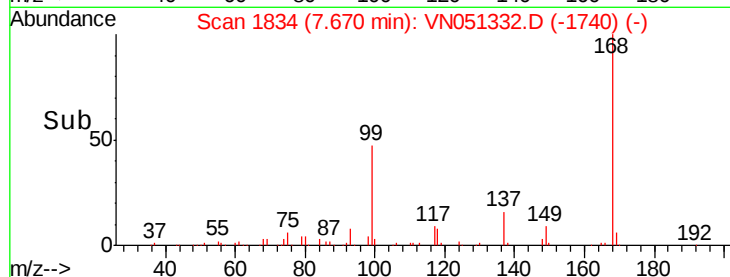
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 7.66 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051332.D

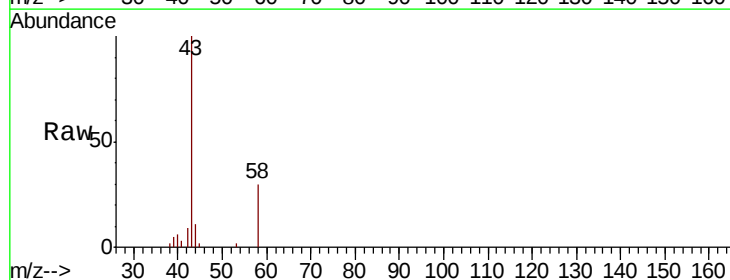
Acq: 19 Sep 2018 20:34

Tgt Ion: 43 Resp: 21947

Ion Ratio Lower Upper

43 100

58 30.1 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-599) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-599) (-)

3.82

8000

6000

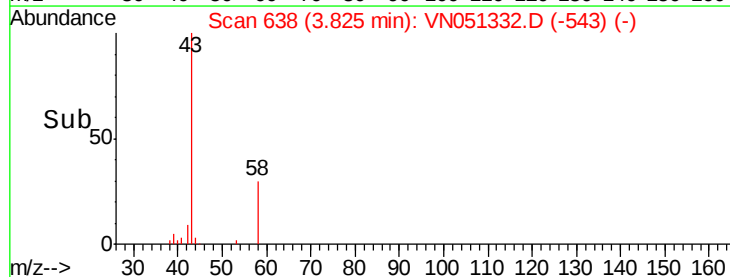
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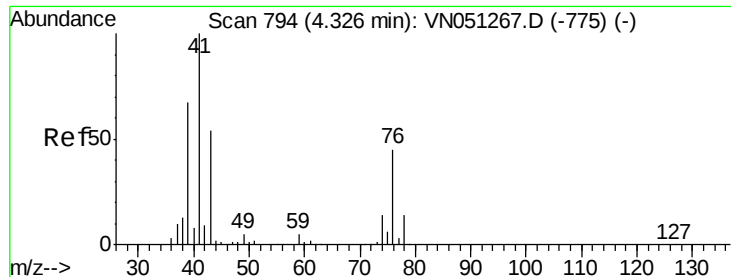
2000

0

3.70 3.80 3.90

Time-->

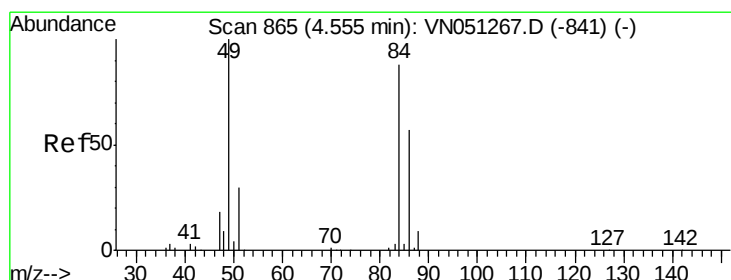
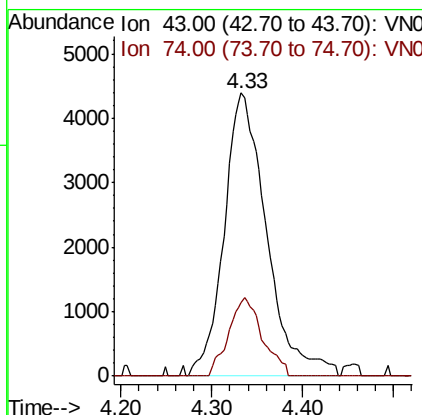
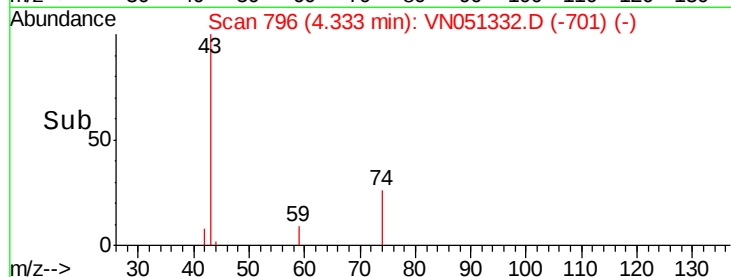
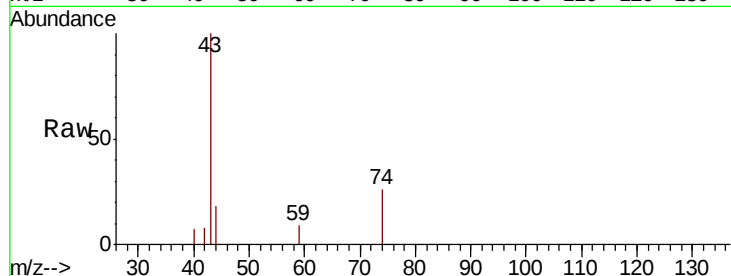




#18  
Methyl Acetate  
Concen: 2.97 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.01 min  
Lab File: VN051332.D  
Acq: 19 Sep 2018 20:34

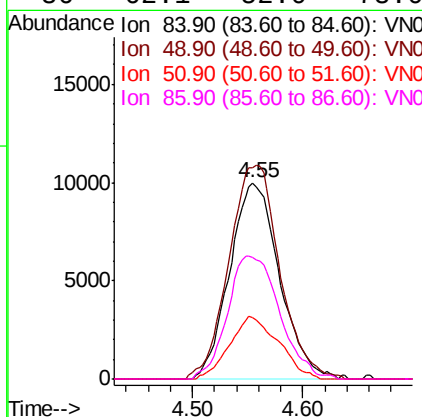
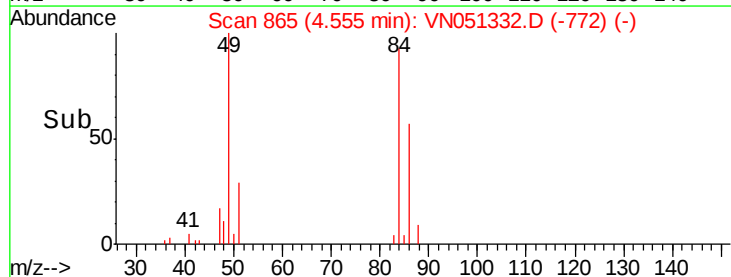
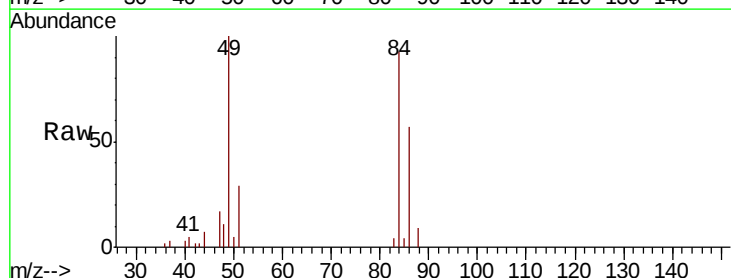
Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112984ZHE#06

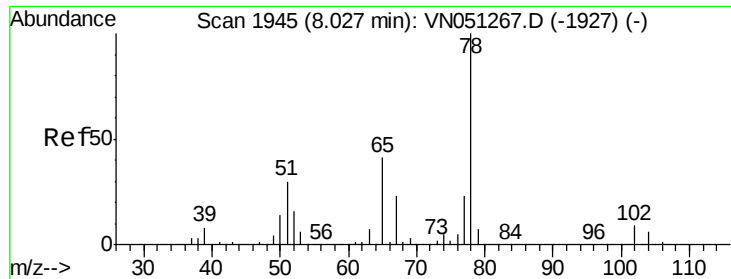
Tot Ion: 43 Resp: 14278  
Ion Ratio Lower Upper  
43 100  
74 21.9 20.8 31.2



#20  
Methylene Chloride  
Concen: 4.98 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN051332.D  
Acq: 19 Sep 2018 20:34

Tgt Ion: 84 Resp: 31222  
Ion Ratio Lower Upper  
84 100  
49 106.3 91.2 136.8  
51 31.3 27.7 41.5  
86 62.1 52.0 78.0

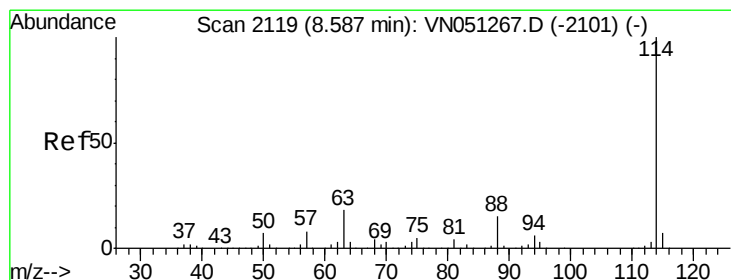
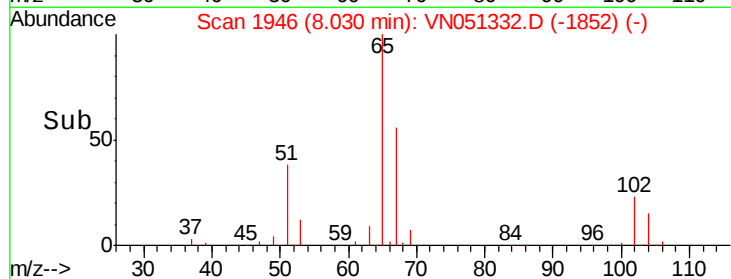
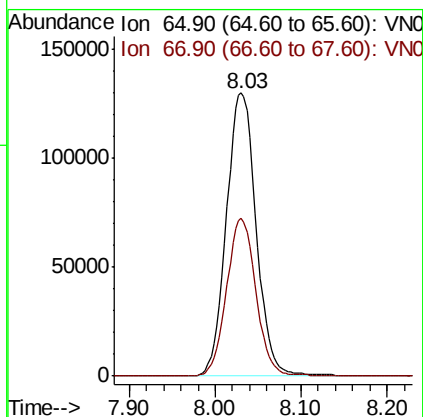
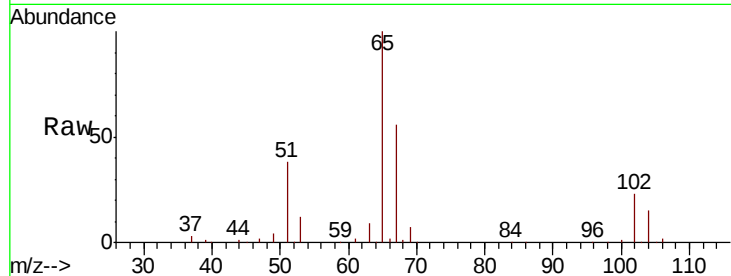




#33  
 1,2-Dichloroethane-d4  
 Concen: 54.74 ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN051332.D  
 Acq: 19 Sep 2018 20:34

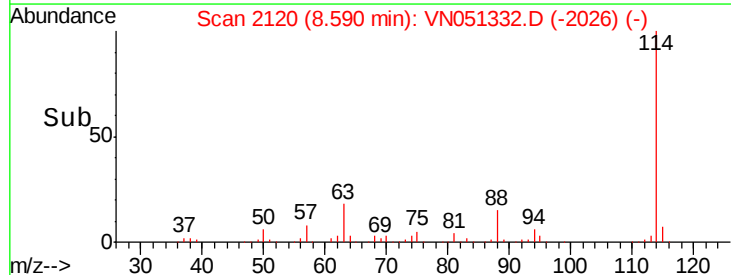
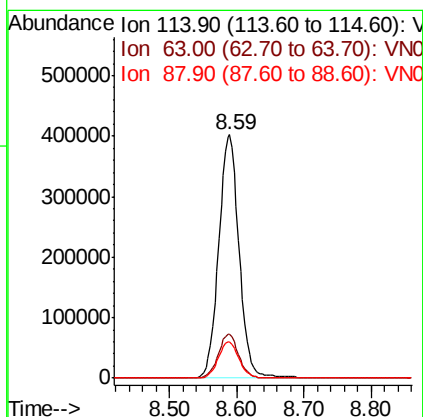
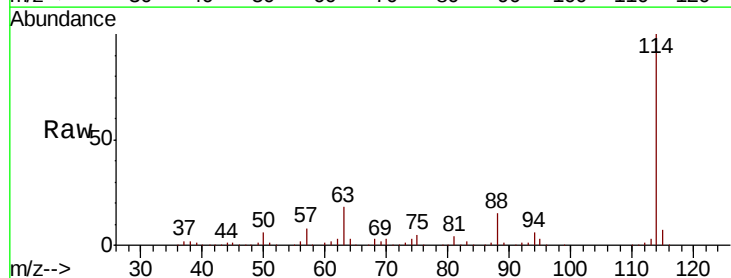
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112984ZHE#06

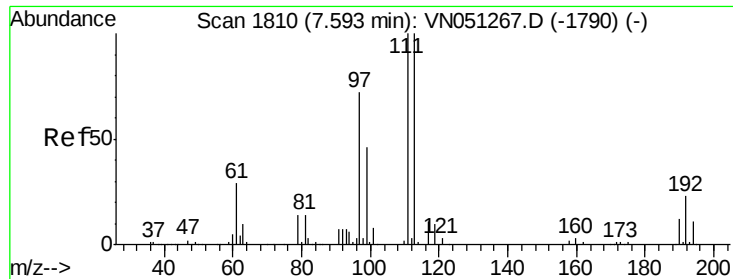
Tot Ion: 65 Resp: 313525  
 Ion Ratio Lower Upper  
 65 100  
 67 54.8 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2120  
 Delta R.T. 0.00 min  
 Lab File: VN051332.D  
 Acq: 19 Sep 2018 20:34

Tgt Ion: 114 Resp: 852056  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 36.8  
 88 14.9 0.0 30.8

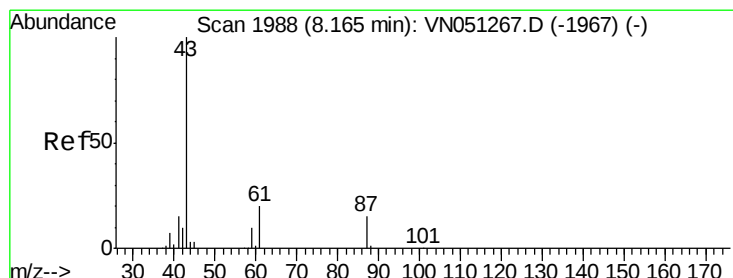
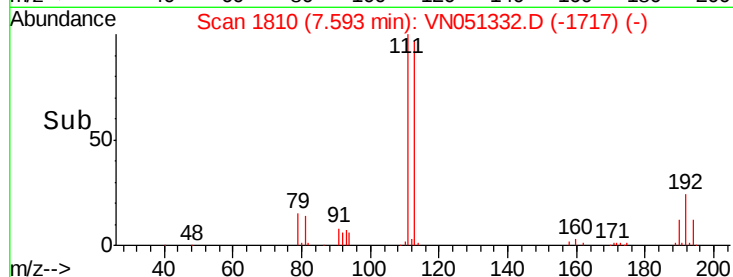
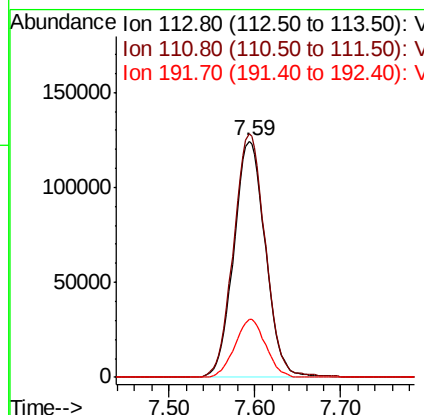
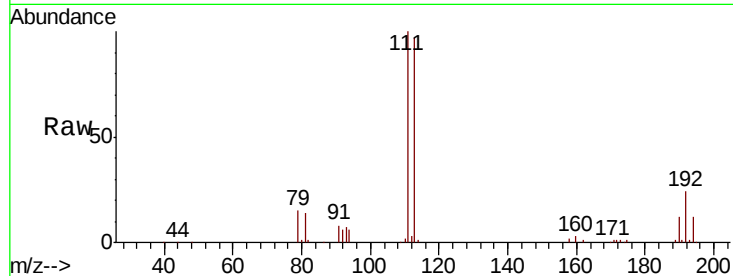




#35  
 Dibromofluoromethane  
 Concen: 47.91 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN051332.D  
 Acq: 19 Sep 2018 20:34

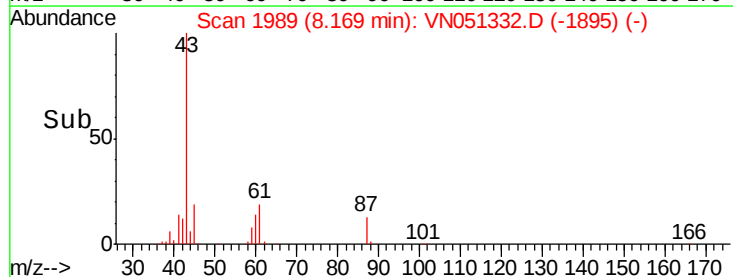
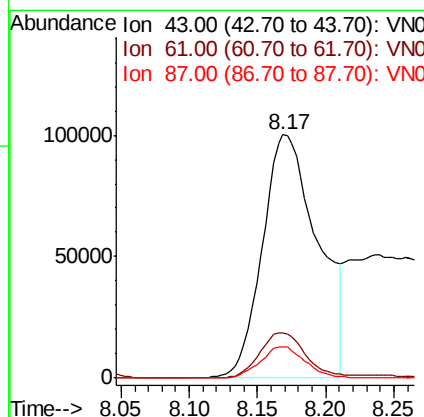
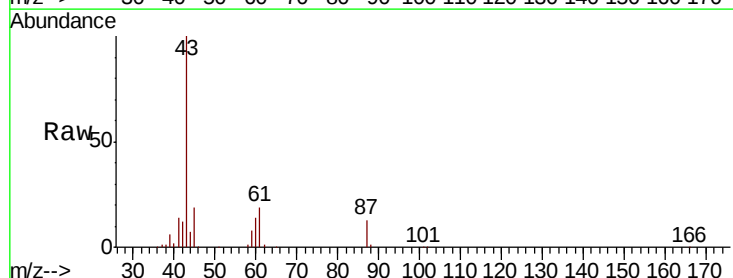
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 PB112984ZHE#06

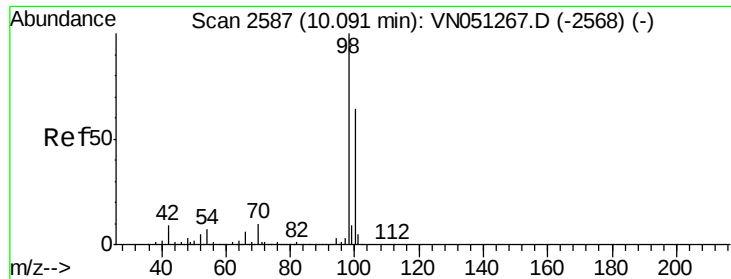
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 103.7 | 82.2  | 123.4 |
| 192     | 24.0  | 19.0  | 28.6  |



#43  
 Isopropyl Acetate  
 Concen: 34.40 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN051332.D  
 Acq: 19 Sep 2018 20:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.6  | 17.4  | 26.2# |
| 87      | 10.4  | 12.2  | 18.4# |





#50

Toluene-d8

Concen: 45.78 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051332.D

Acq: 19 Sep 2018 20:34

Instrument :

MSVOA\_N

ClientSampleId :

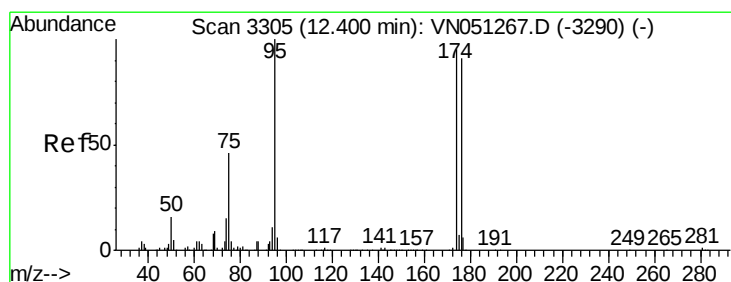
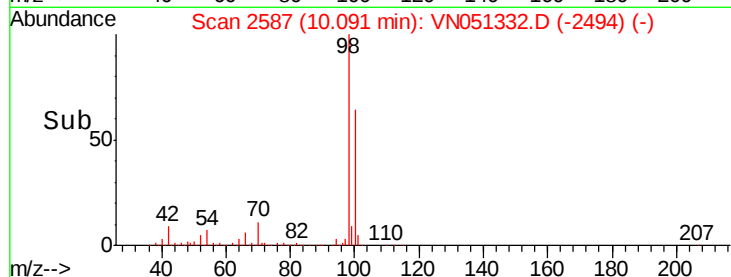
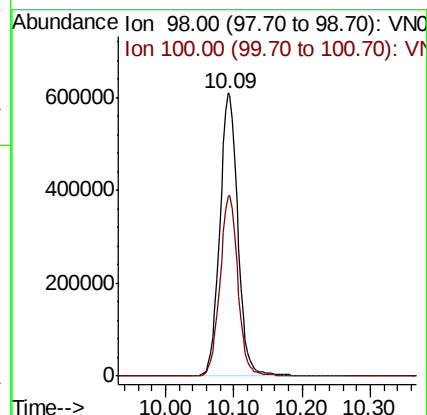
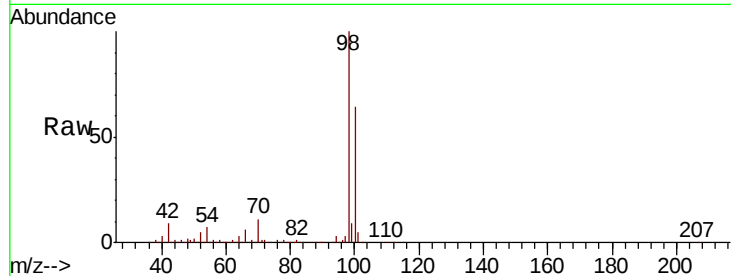
PB112984ZHE#06

Tot Ion: 98 Resp: 1120478

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 38.11 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051332.D

Acq: 19 Sep 2018 20:34

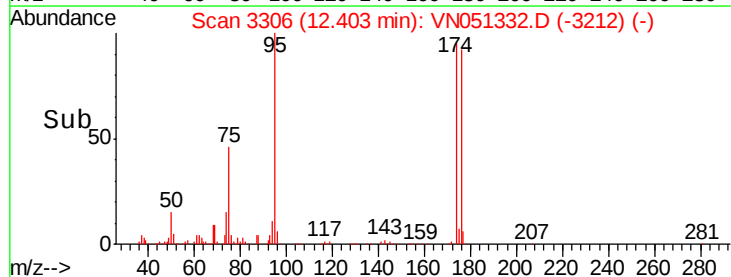
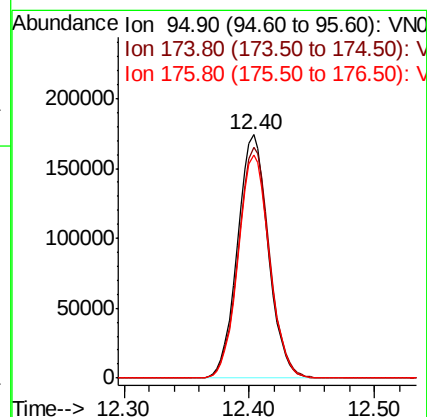
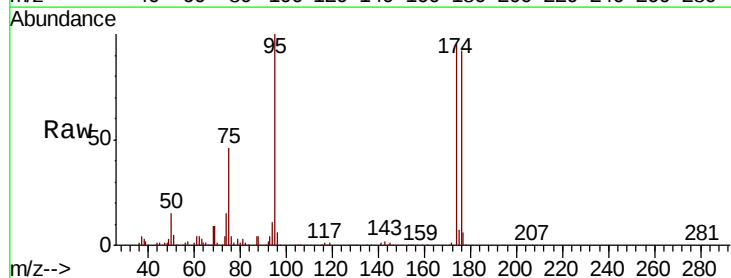
Tgt Ion: 95 Resp: 296634

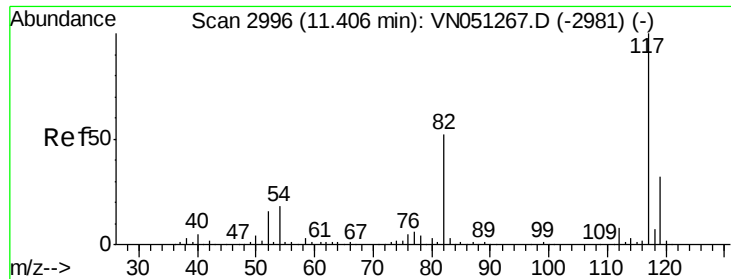
Ion Ratio Lower Upper

95 100

174 97.0 0.0 189.6

176 93.0 0.0 182.6

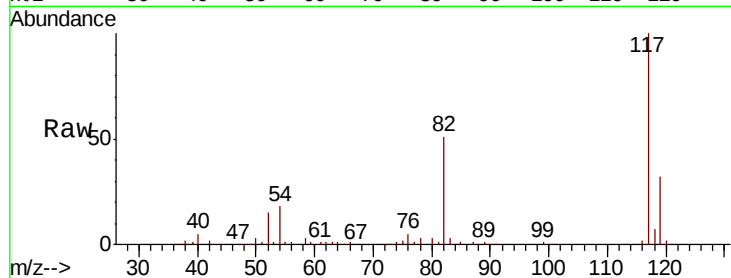




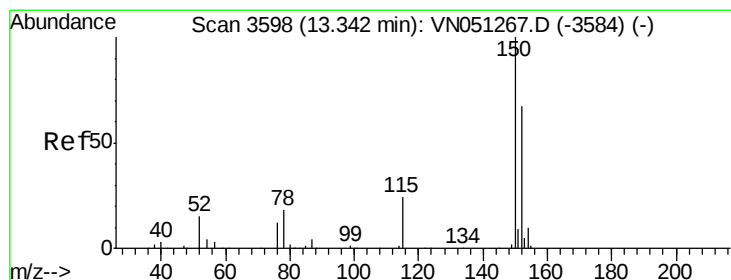
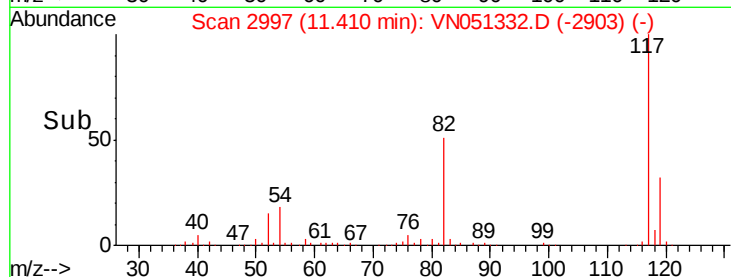
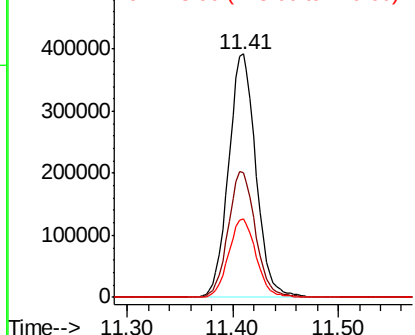
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051332.D  
Acq: 19 Sep 2018 20:34

Instrument :  
MSVOA\_N  
ClientSampleId :  
PB112984ZHE#06

Tot Ion:117 Resp: 700744  
Ion Ratio Lower Upper  
117 100  
82 51.4 41.8 62.8  
119 32.1 25.6 38.4

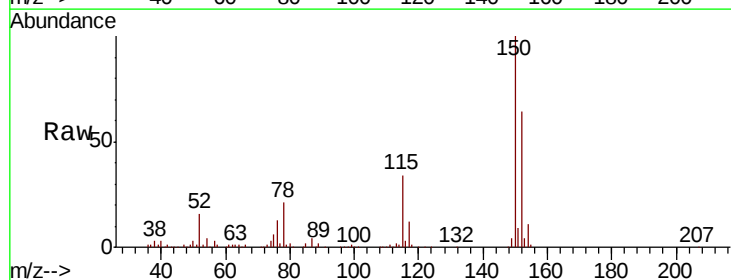


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051332.D  
Acq: 19 Sep 2018 20:34

Tgt Ion:152 Resp: 228049  
Ion Ratio Lower Upper  
152 100  
115 54.5 27.1 81.2  
150 157.1 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

