

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092218\  
 Data File : VN051386.D  
 Acq On : 21 Sep 2018 22:19  
 Operator : MD\SY  
 Sample : PB113086ZHE#17  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 23 Sample Multiplier: 1

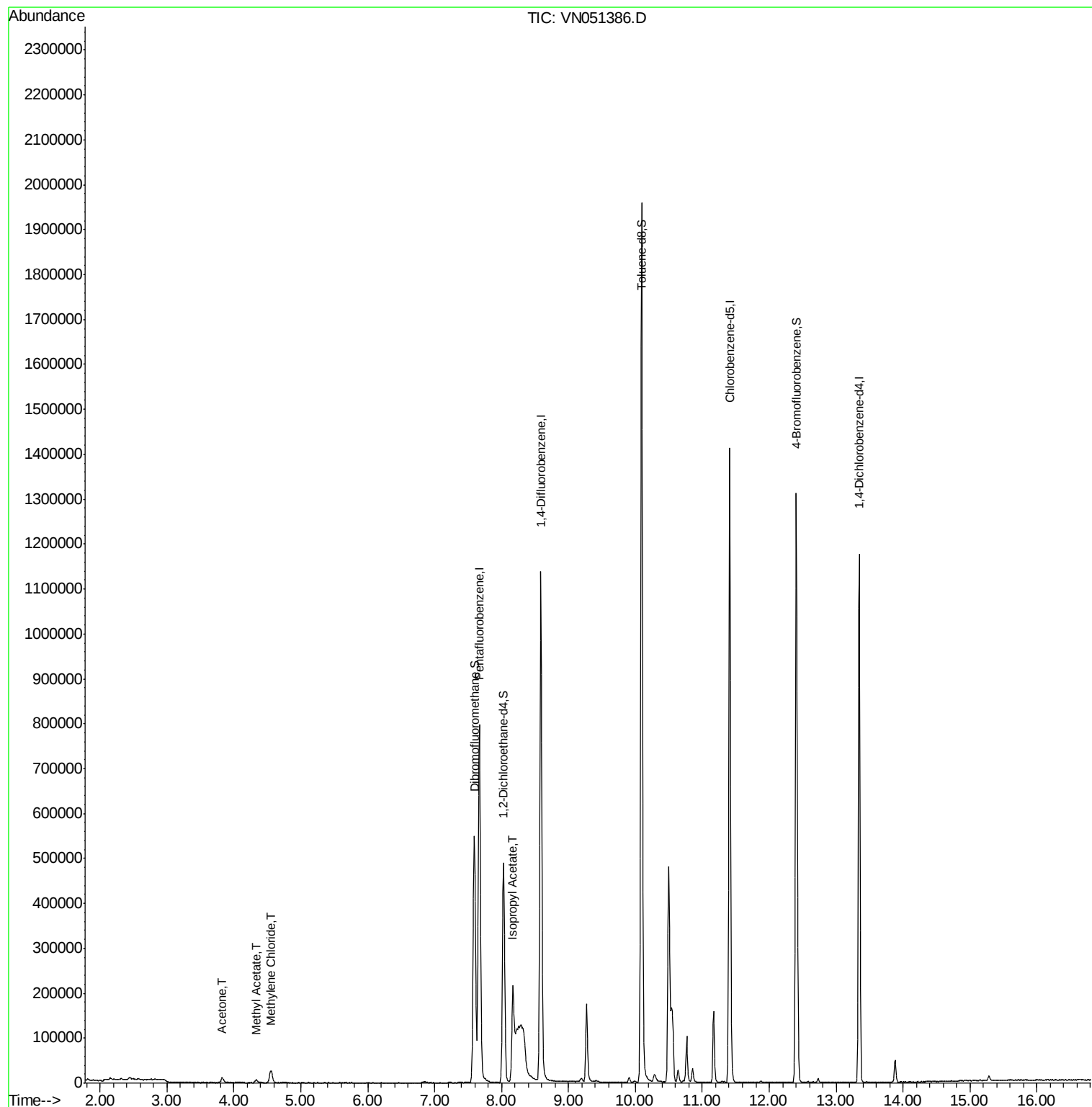
Quant Time: Sep 22 00:21:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 21 04:23:57 2018  
 Response via : Initial Calibration

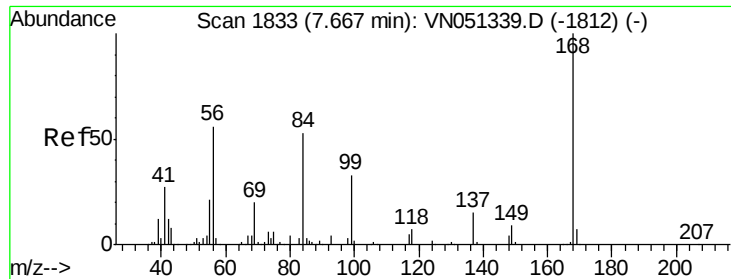
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 739187   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1106860  | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 924750   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.35 | 152  | 353954   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 424609   | 53.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 106.00% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 420191   | 46.98  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 93.96%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1465606  | 42.62  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 85.24%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 402163   | 35.95  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 71.90%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 3.82  | 43   | 18784    | 10.545 | ug/l    | 97       |
| 18) Methyl Acetate          | 4.33  | 43   | 13090    | 1.731  | ug/l    | 99       |
| 20) Methylene Chloride      | 4.56  | 84   | 21496    | 2.610  | ug/l    | 94       |
| 43) Isopropyl Acetate       | 8.17  | 43   | 261638   | 26.654 | ug/l #  | 90       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092218\  
Data File : VN051386.D  
Acq On : 21 Sep 2018 22:19  
Operator : MD\SY  
Sample : PB113086ZHE#17  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 22 00:21:09 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_N\METHODS\82N092018W.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 21 04:23:57 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051386.D

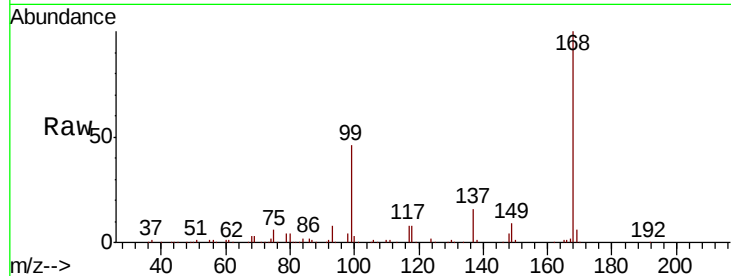
Acq: 21 Sep 2018 22:19

Tot Ion:168 Resp: 739187

Ion Ratio Lower Upper

168 100

99 45.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN051339.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051339.D (-1812) (-)

7.67

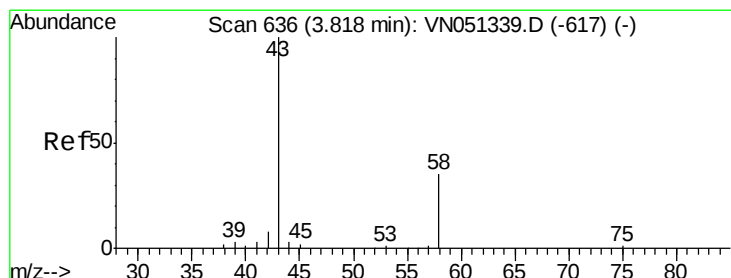
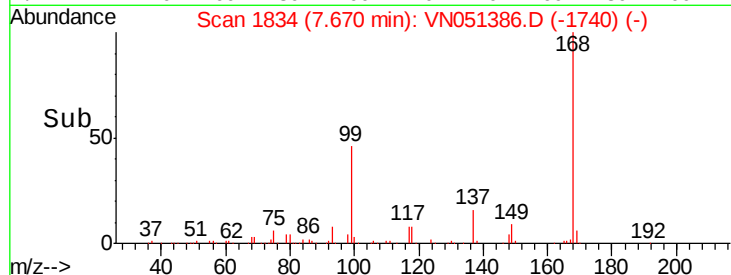
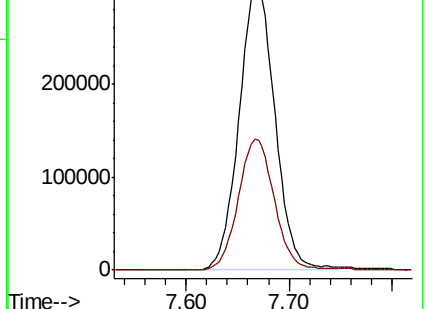
300000

200000

100000

0

7.60 7.70



#16

Acetone

Concen: 10.545 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051386.D

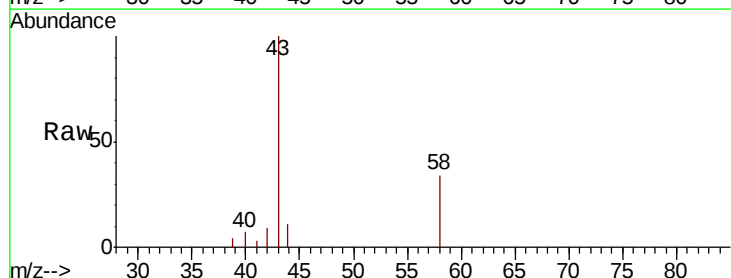
Acq: 21 Sep 2018 22:19

Tgt Ion: 43 Resp: 18784

Ion Ratio Lower Upper

43 100

58 33.8 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN051339.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN051339.D (-617) (-)

3.82

8000

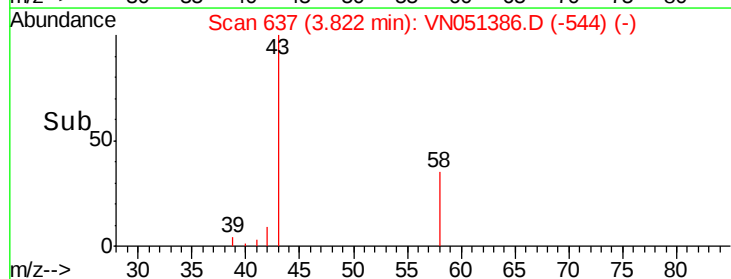
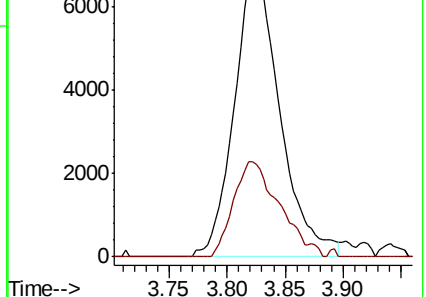
6000

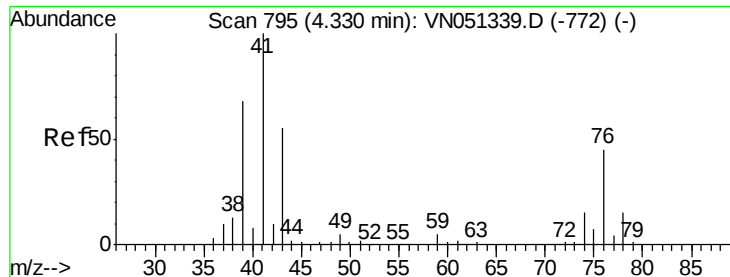
4000

2000

0

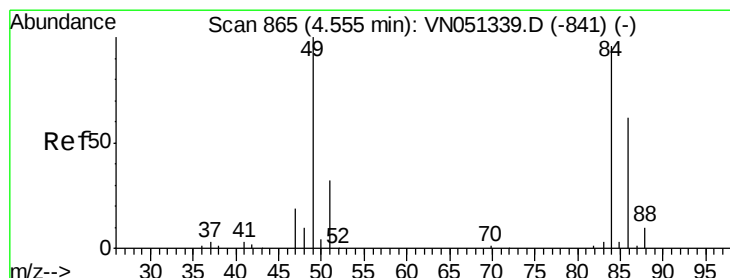
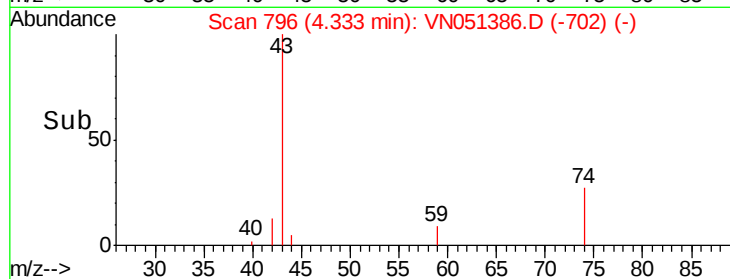
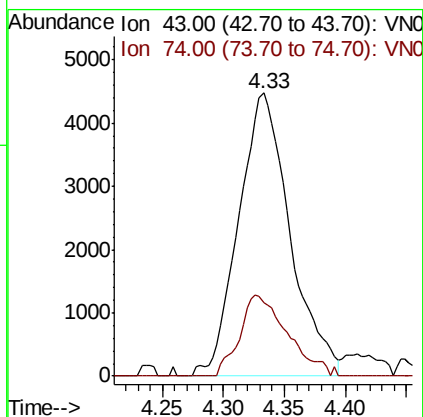
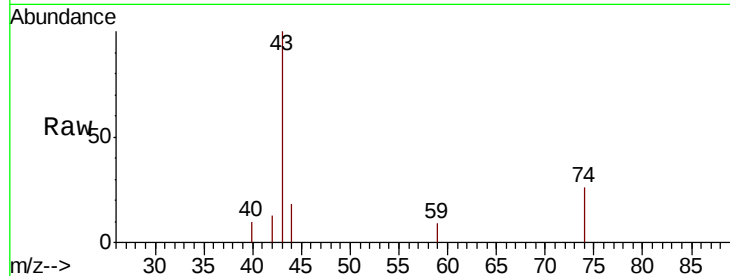
3.75 3.80 3.85 3.90





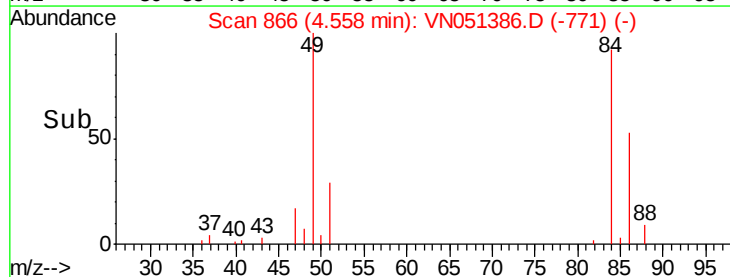
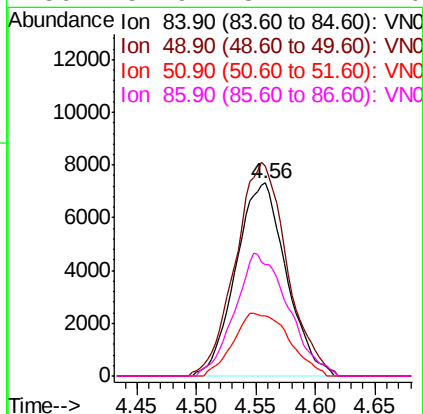
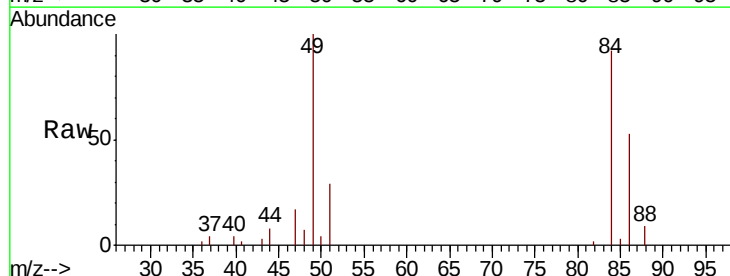
#18  
Methyl Acetate  
Concen: 1.731 ug/l  
RT: 4.33 min Scan# 796  
Delta R.T. 0.00 min  
Lab File: VN051386.D  
Acq: 21 Sep 2018 22:19

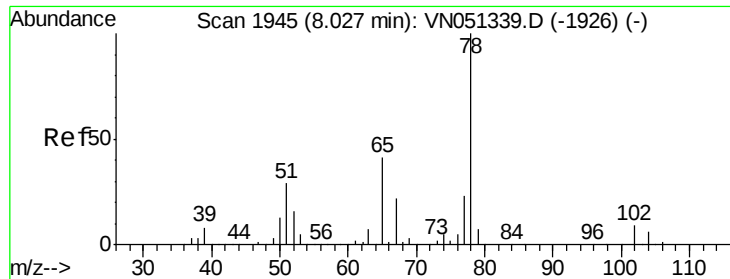
Tot Ion: 43 Resp: 13090  
Ion Ratio Lower Upper  
43 100  
74 26.5 21.7 32.5



#20  
Methylene Chloride  
Concen: 2.610 ug/l  
RT: 4.56 min Scan# 866  
Delta R.T. 0.00 min  
Lab File: VN051386.D  
Acq: 21 Sep 2018 22:19

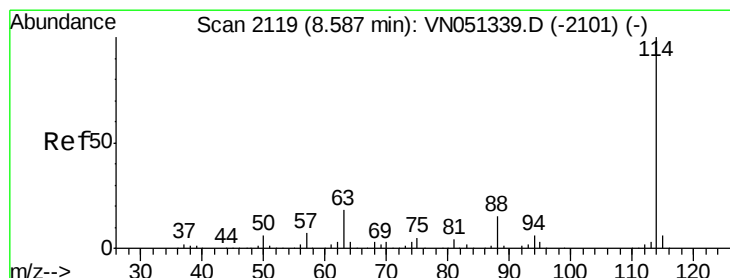
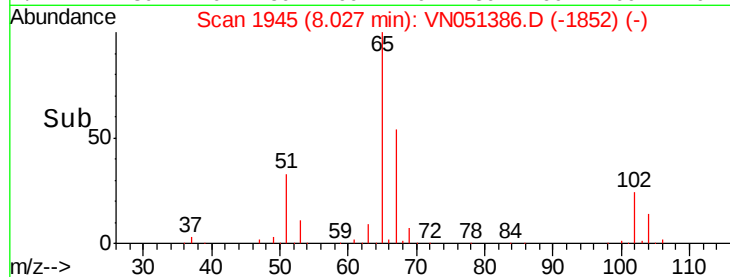
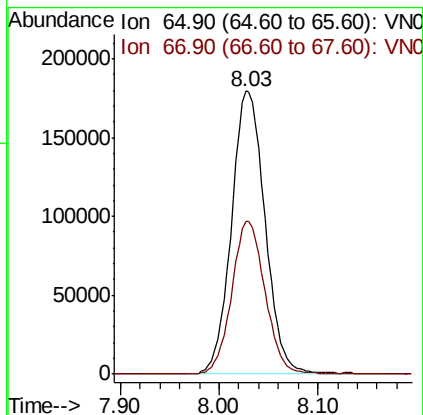
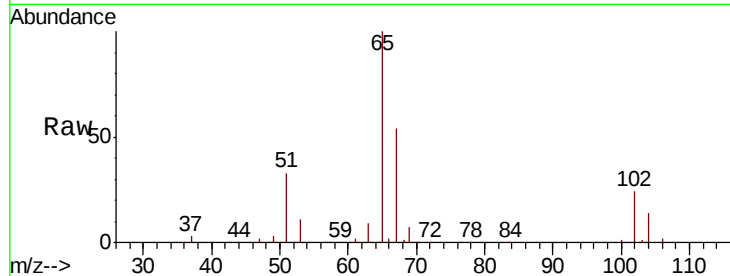
Tgt Ion: 84 Resp: 21496  
Ion Ratio Lower Upper  
84 100  
49 109.0 83.2 124.8  
51 31.3 26.4 39.6  
86 57.9 51.4 77.0





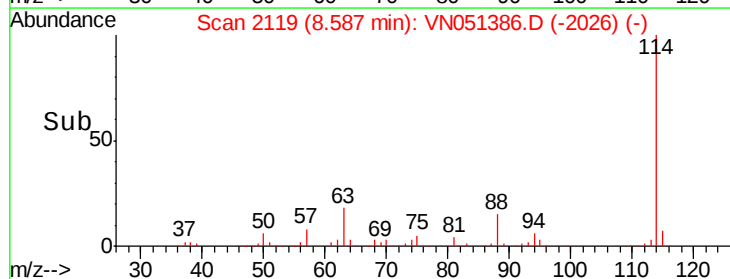
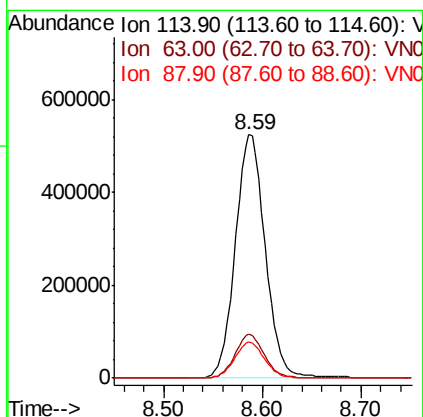
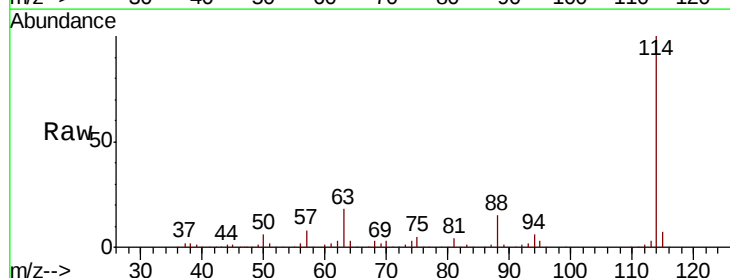
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.999 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. -0.00 min  
 Lab File: VN051386.D  
 Acq: 21 Sep 2018 22:19

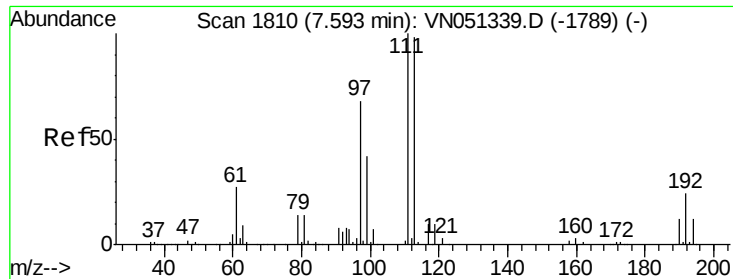
Tot Ion: 65 Resp: 424609  
 Ion Ratio Lower Upper  
 65 100  
 67 53.8 0.0 108.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. -0.00 min  
 Lab File: VN051386.D  
 Acq: 21 Sep 2018 22:19

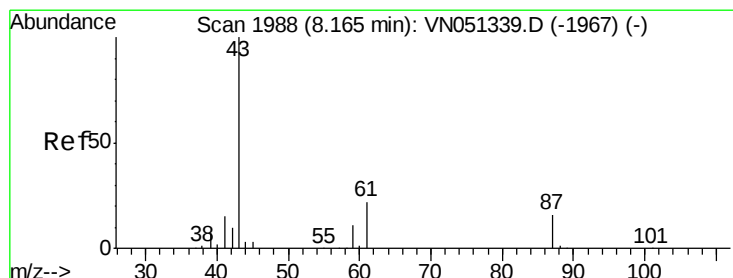
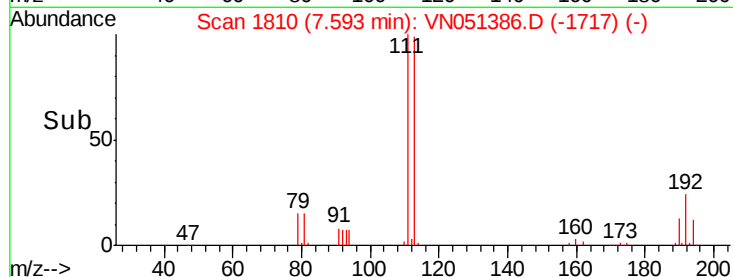
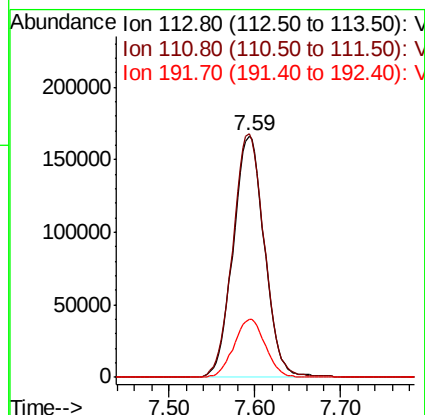
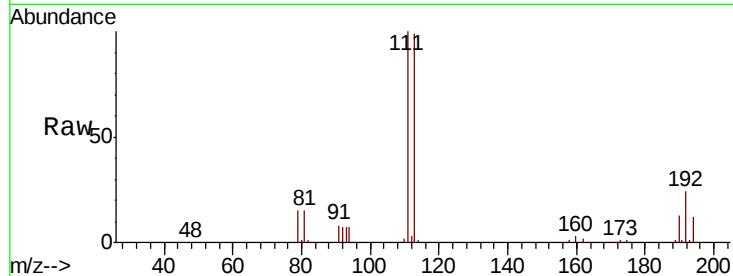
Tgt Ion: 114 Resp: 1106860  
 Ion Ratio Lower Upper  
 114 100  
 63 17.9 0.0 36.6  
 88 15.0 0.0 29.8





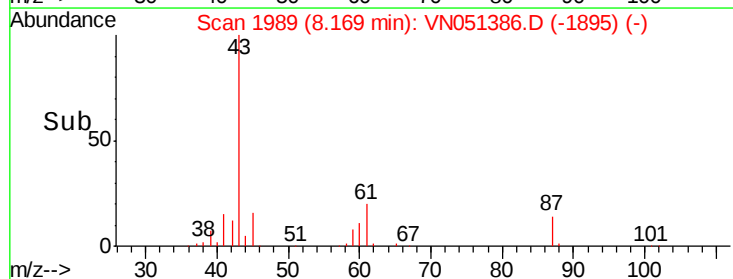
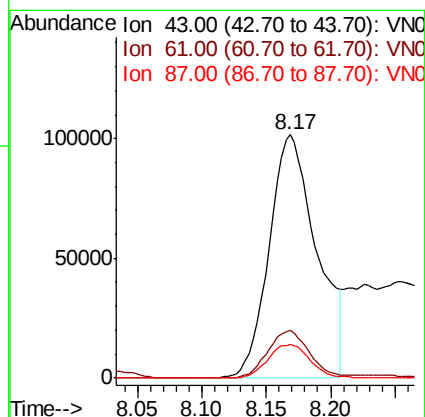
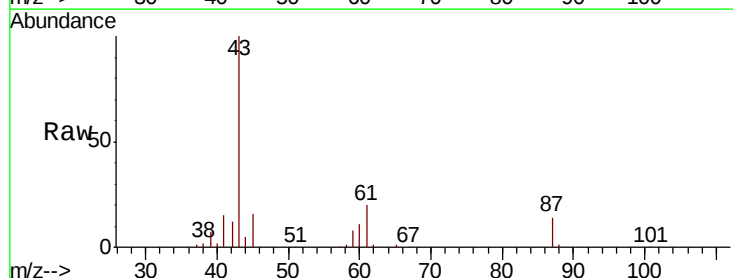
#35  
 Dibromofluoromethane  
 Concen: 46.976 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. -0.00 min  
 Lab File: VN051386.D  
 Acq: 21 Sep 2018 22:19

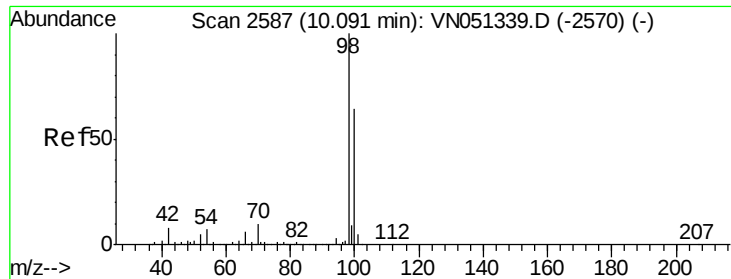
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.3 | 81.9  | 122.9 |
| 192     | 24.1  | 19.8  | 29.6  |



#43  
 Isopropyl Acetate  
 Concen: 26.654 ug/l  
 RT: 8.17 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VN051386.D  
 Acq: 21 Sep 2018 22:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 17.1  | 18.1  | 27.1# |
| 87      | 12.2  | 12.8  | 19.2# |





#50

Toluene-d8

Concen: 42.621 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051386.D

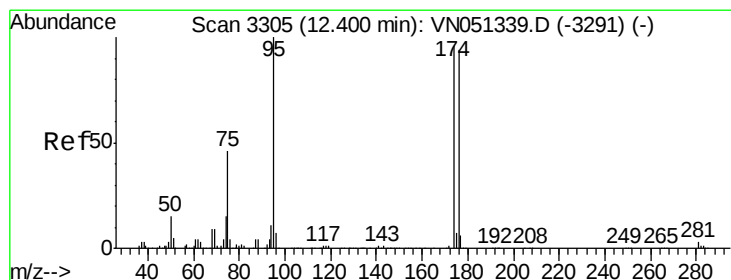
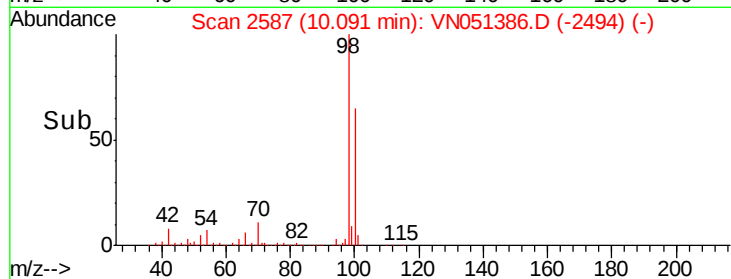
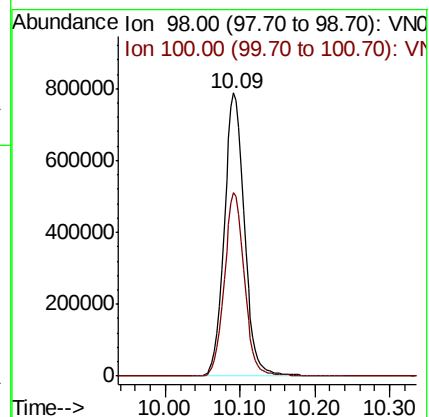
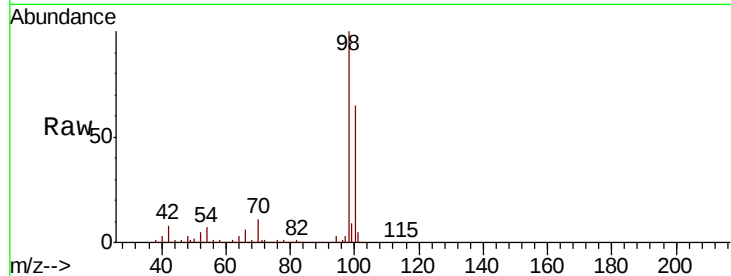
Acq: 21 Sep 2018 22:19

Tot Ion: 98 Resp: 1465606

Ion Ratio Lower Upper

98 100

100 64.5 51.3 76.9



#62

4-Bromofluorobenzene

Concen: 35.949 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051386.D

Acq: 21 Sep 2018 22:19

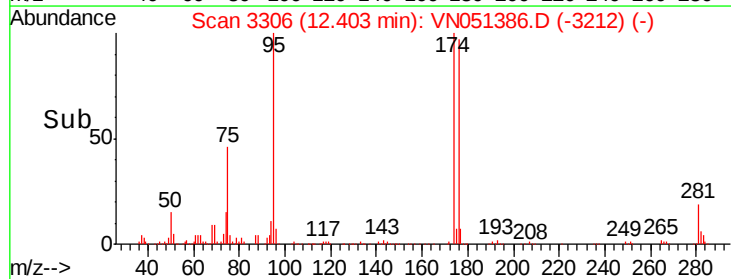
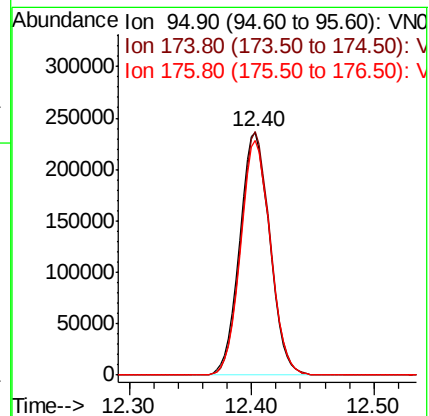
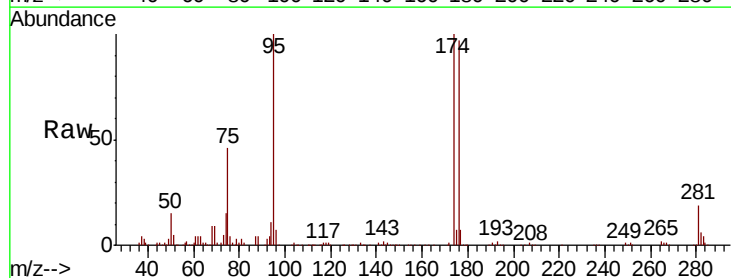
Tgt Ion: 95 Resp: 402163

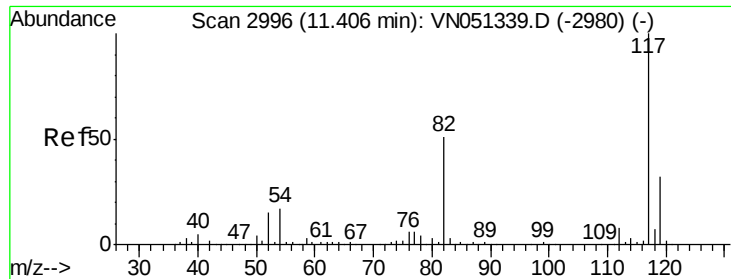
Ion Ratio Lower Upper

95 100

174 98.6 0.0 194.6

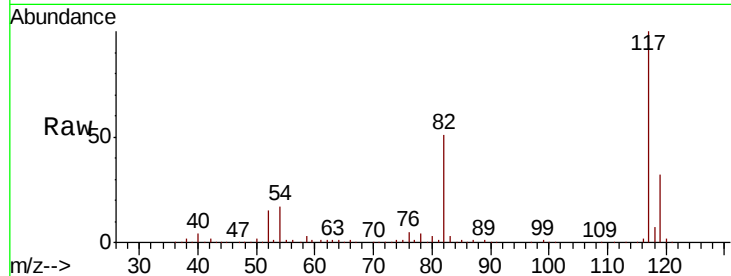
176 95.3 0.0 189.6



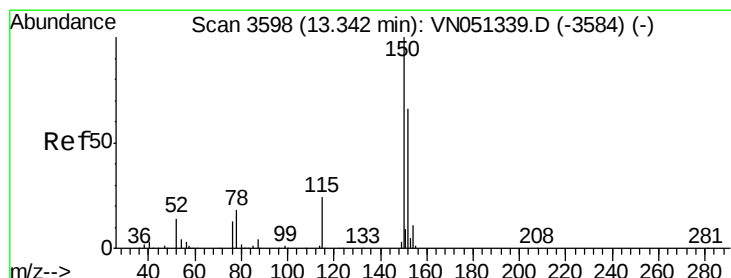
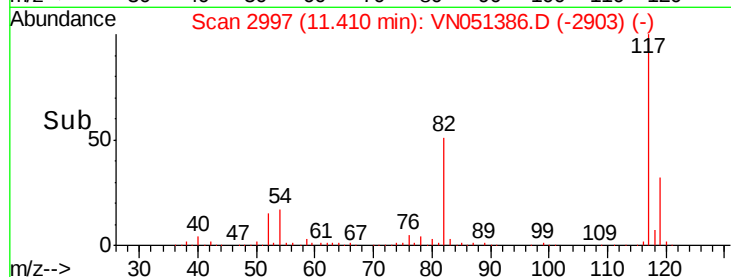
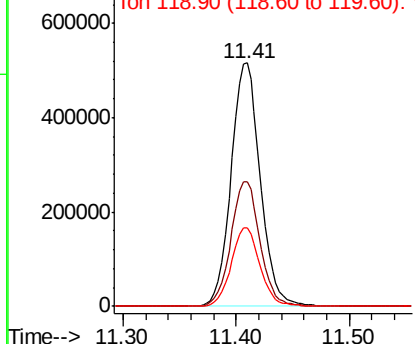


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN051386.D  
Acq: 21 Sep 2018 22:19

Tot Ion:117 Resp: 924750  
Ion Ratio Lower Upper  
117 100  
82 51.3 40.7 61.1  
119 32.1 25.3 37.9

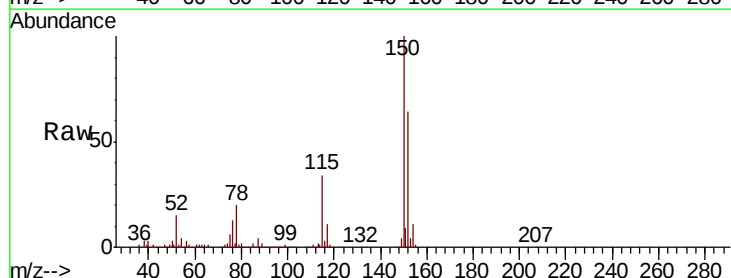


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.35 min Scan# 3599  
Delta R.T. 0.00 min  
Lab File: VN051386.D  
Acq: 21 Sep 2018 22:19

Tgt Ion:152 Resp: 353954  
Ion Ratio Lower Upper  
152 100  
115 53.7 26.9 80.7  
150 157.2 0.0 345.0



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

