

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\  
 Data File : VN053918.D  
 Acq On : 22 Feb 2019 16:12  
 Operator : JC/SP  
 Sample : K1544-05  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 16 Sample Multiplier: 1

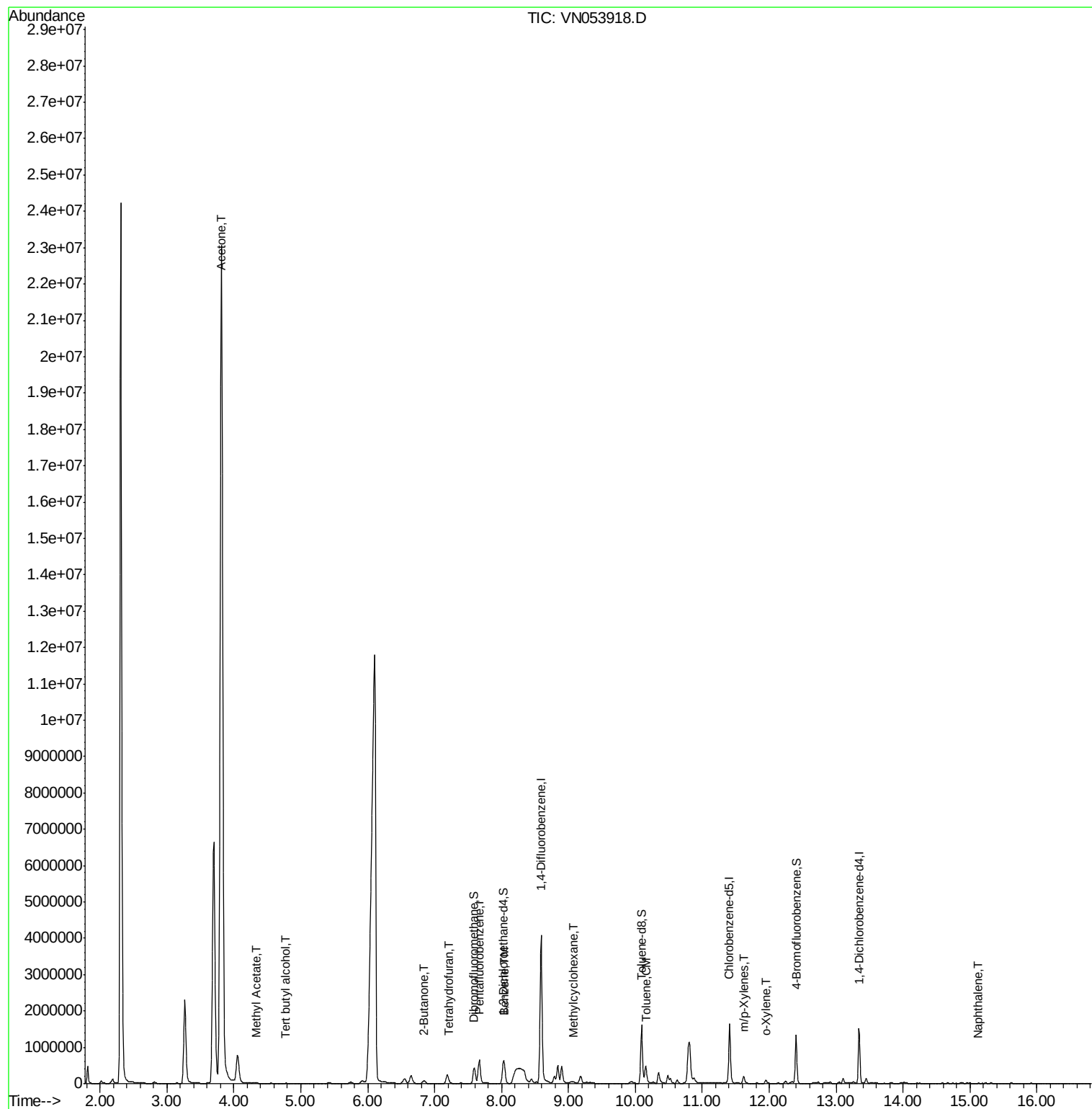
Quant Time: Feb 22 23:44:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N022019W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Feb 21 03:36:07 2019  
 Response via : Initial Calibration

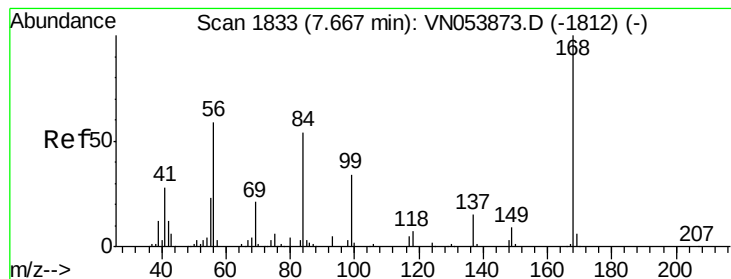
| Internal Standards          | R.T.  | QIon | Response  | Conc      | Units   | Dev(Min) |
|-----------------------------|-------|------|-----------|-----------|---------|----------|
| 1) Pentafluorobenzene       | 7.67  | 168  | 661164    | 50.00     | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.59  | 114  | 1107678   | 50.00     | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 11.41 | 117  | 1024729   | 50.00     | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.34 | 152  | 449096    | 50.00     | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |           |           |         |          |
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 355960    | 52.68     | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =         | 105.36% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 336759    | 46.33     | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =         | 92.66%  |          |
| 50) Toluene-d8              | 10.09 | 98   | 1283434   | 48.88     | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =         | 97.76%  |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 465913    | 53.75     | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery  | =         | 107.50% |          |
| Target Compounds            |       |      |           |           |         |          |
|                             |       |      |           |           | Qvalue  |          |
| 11) Tert butyl alcohol      | 4.78  | 59   | 23220     | 55.048    | ug/l    | 99       |
| 16) Acetone                 | 3.80  | 43   | 31167143m | 16771.773 | ug/l    |          |
| 18) Methyl Acetate          | 4.32  | 43   | 56307     | 12.838    | ug/l    | 94       |
| 25) 2-Butanone              | 6.84  | 43   | 138443    | 57.734    | ug/l    | 99       |
| 29) Tetrahydrofuran         | 7.22  | 42   | 21054m    | 13.576    | ug/l    |          |
| 39) Methylcyclohexane       | 9.09  | 83   | 15460     | 1.321     | ug/l    | 92       |
| 40) Benzene                 | 8.04  | 78   | 317941    | 10.593    | ug/l    | 100      |
| 52) Toluene                 | 10.16 | 92   | 214977    | 12.086    | ug/l    | 99       |
| 68) m/p-Xylenes             | 11.62 | 106  | 57625     | 4.287     | ug/l    | 98       |
| 69) o-Xylene                | 11.95 | 106  | 18836     | 1.456     | ug/l    | 100      |
| 95) Naphthalene             | 15.13 | 128  | 4448      | 4.839     | ug/l #  | 96       |

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

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Quant Title : SW846 8260  
QLast Update : Thu Feb 21 03:36:07 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053918.D

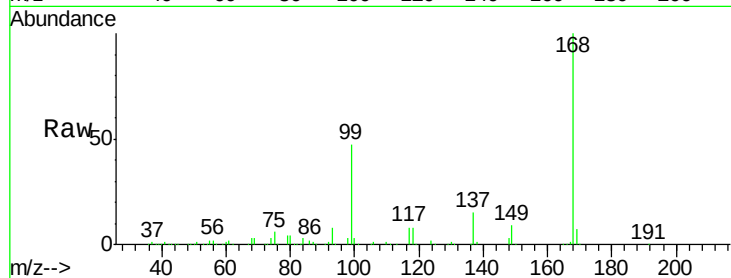
Acq: 22 Feb 2019 16:12

Tot Ion:168 Resp: 661164

Ion Ratio Lower Upper

168 100

99 46.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

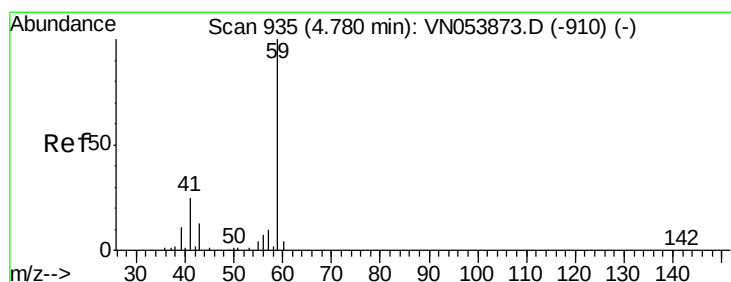
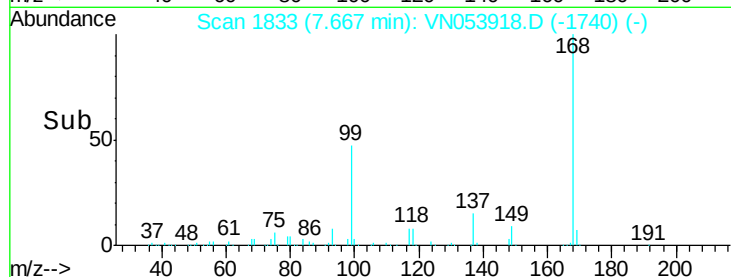
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 55.048 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053918.D

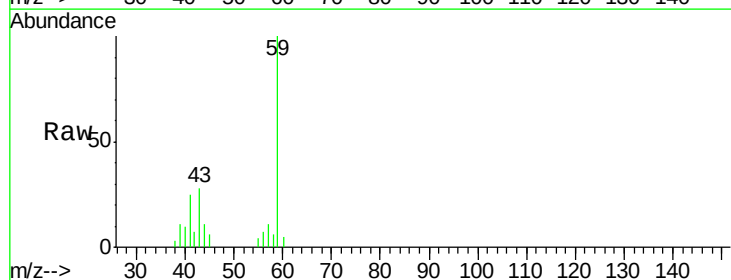
Acq: 22 Feb 2019 16:12

Tgt Ion: 59 Resp: 23220

Ion Ratio Lower Upper

59 100

57 9.9 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

8000

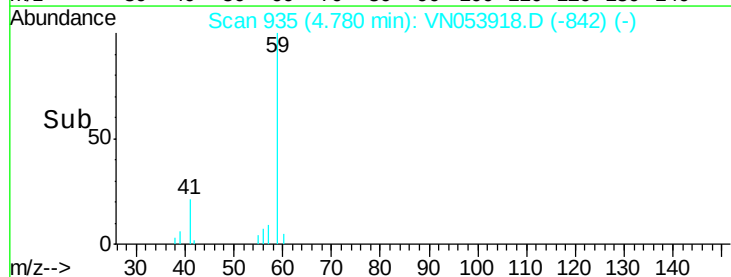
6000

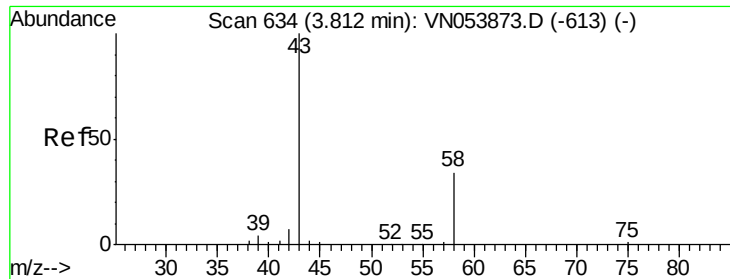
4000

2000

0

Time-->





#16

Acetone

Concen: 16771.773 ug/l m

RT: 3.80 min Scan# 629

Delta R.T. -0.02 min

Lab File: VN053918.D

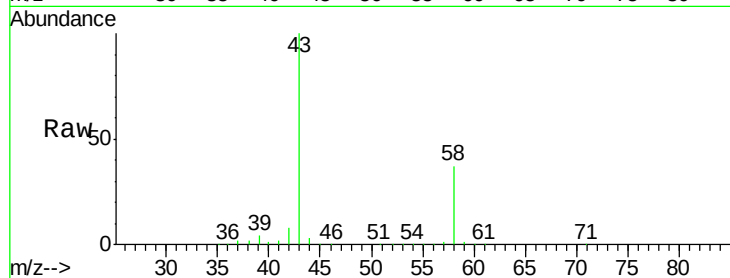
Acq: 22 Feb 2019 16:12

Tot Ion: 43 Resp: 31167143

Ion Ratio Lower Upper

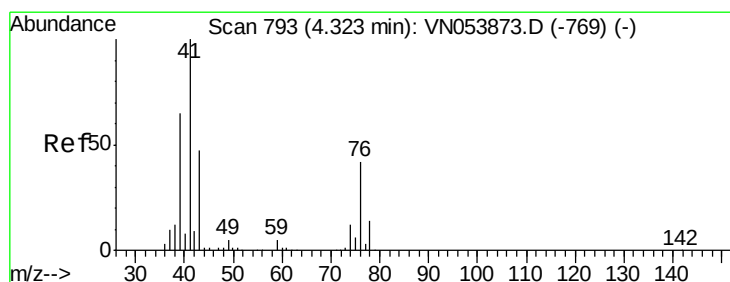
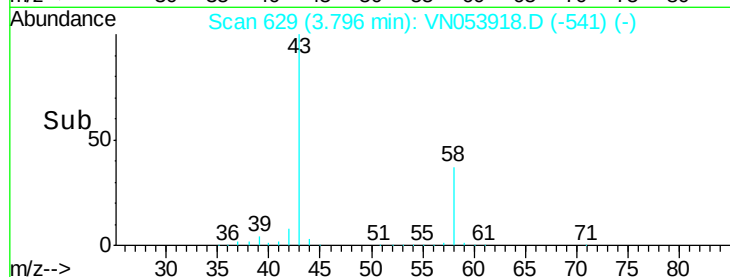
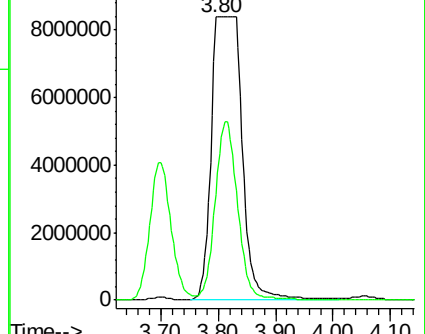
43 100

58 37.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 12.838 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053918.D

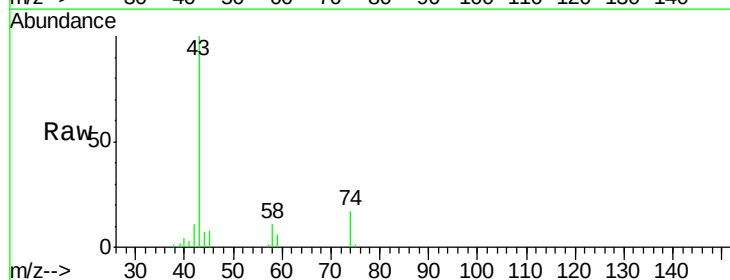
Acq: 22 Feb 2019 16:12

Tgt Ion: 43 Resp: 56307

Ion Ratio Lower Upper

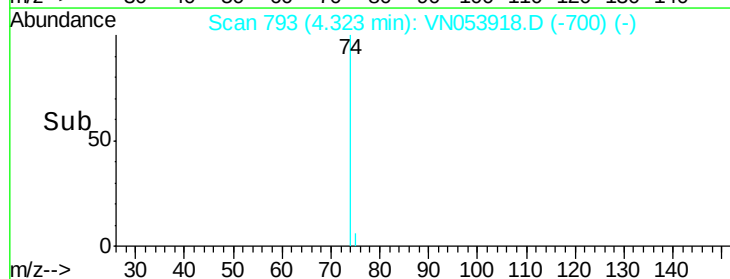
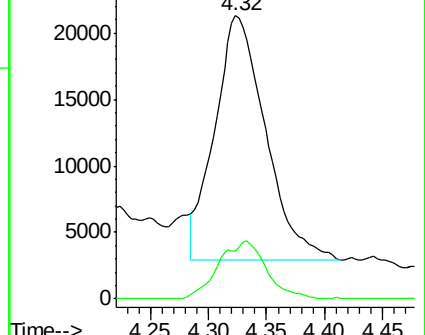
43 100

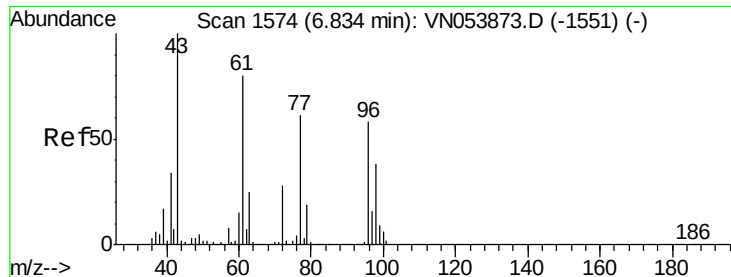
74 22.4 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

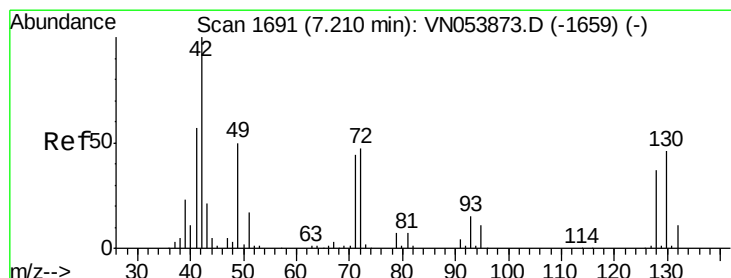
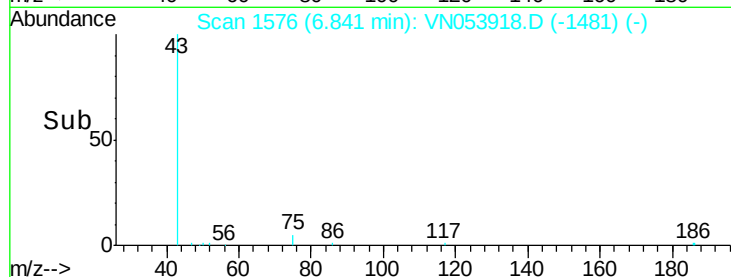
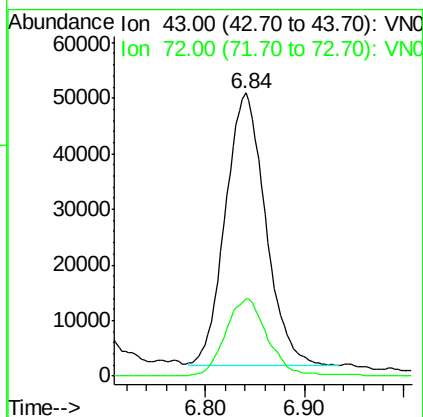
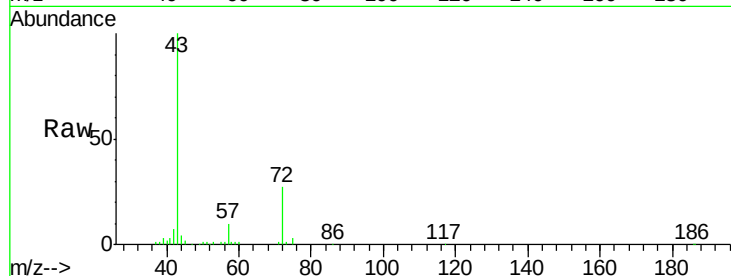
Ion 74.00 (73.70 to 74.70): VN0





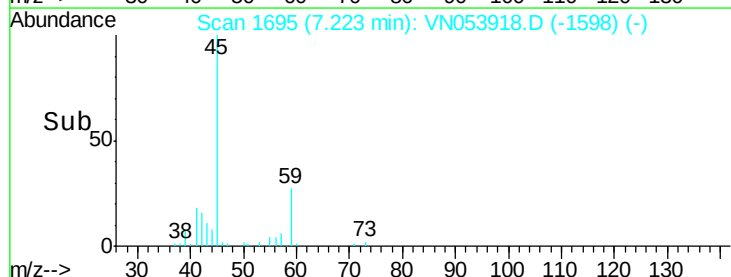
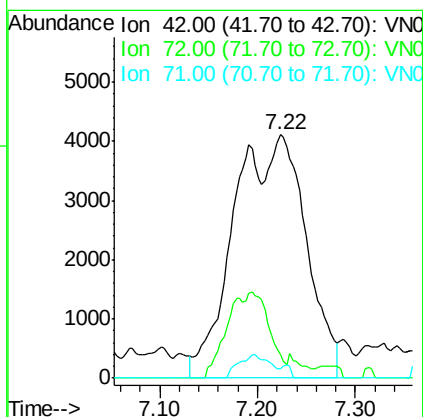
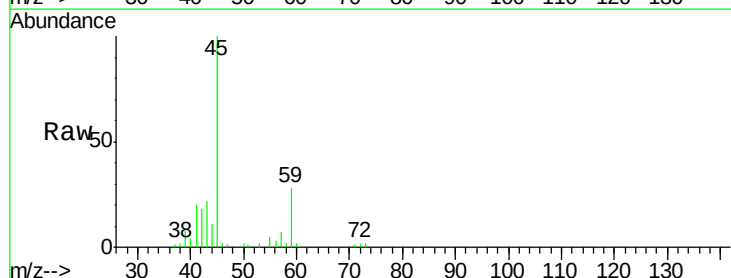
#25  
2-Butanone  
Concen: 57.734 ug/l  
RT: 6.84 min Scan# 1576  
Delta R.T. 0.01 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

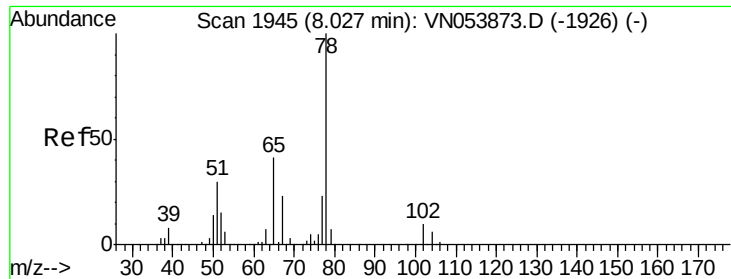
Tot Ion: 43 Resp: 138443  
Ion Ratio Lower Upper  
43 100  
72 28.0 22.1 33.1



#29  
Tetrahydrofuran  
Concen: 13.576 ug/l m  
RT: 7.22 min Scan# 1695  
Delta R.T. 0.01 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

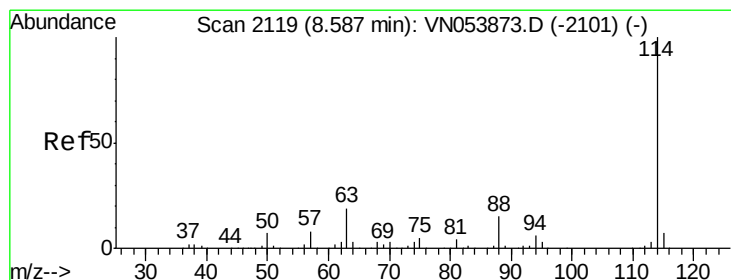
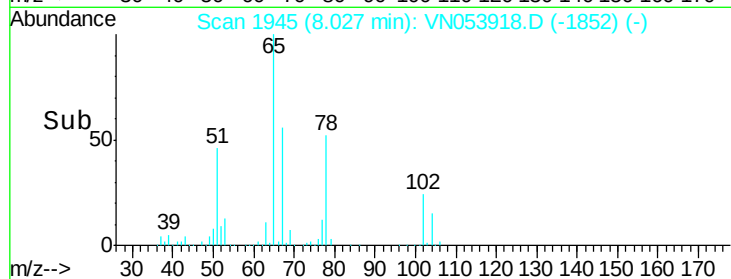
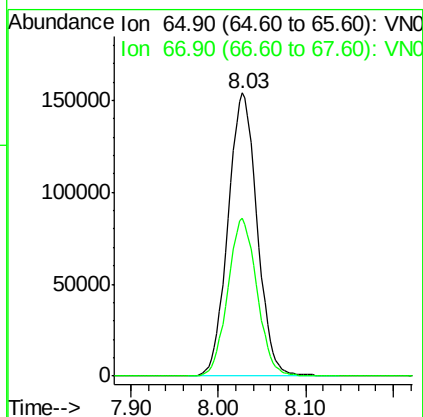
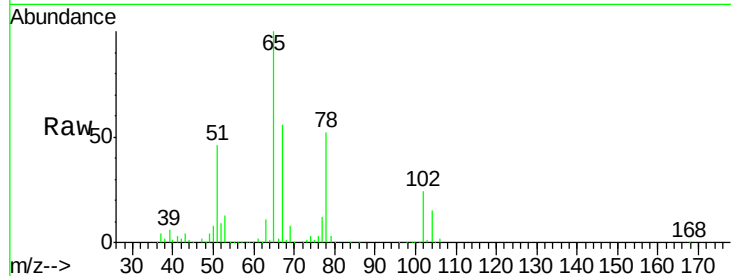
Tgt Ion: 42 Resp: 21054  
Ion Ratio Lower Upper  
42 100  
72 8.9 36.9 55.3#  
71 4.2 34.6 52.0#





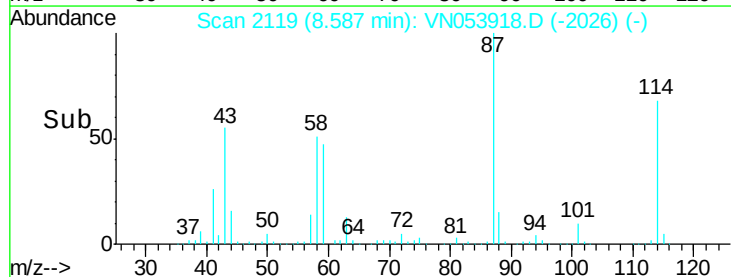
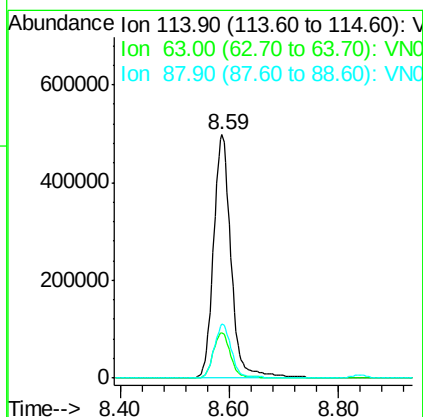
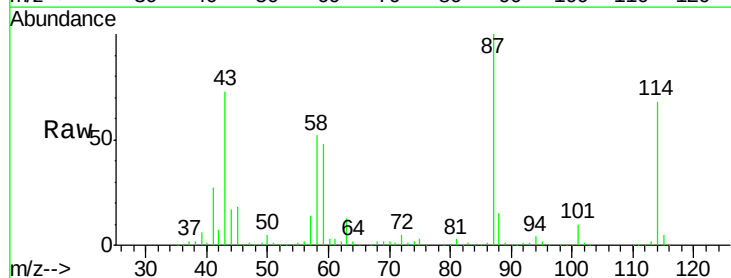
#33  
 1,2-Dichloroethane-d4  
 Concen: 52.680 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053918.D  
 Acq: 22 Feb 2019 16:12

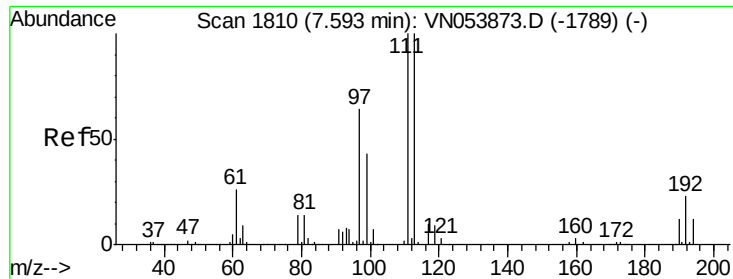
Tot Ion: 65 Resp: 355960  
 Ion Ratio Lower Upper  
 65 100  
 67 55.9 0.0 111.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053918.D  
 Acq: 22 Feb 2019 16:12

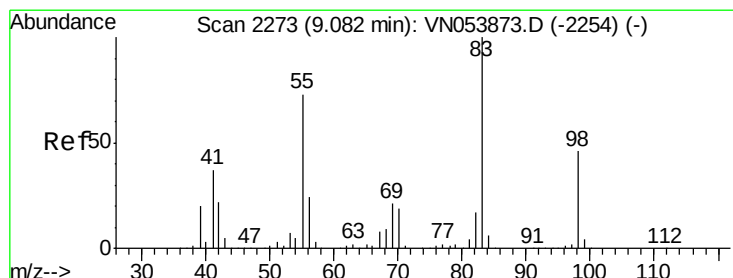
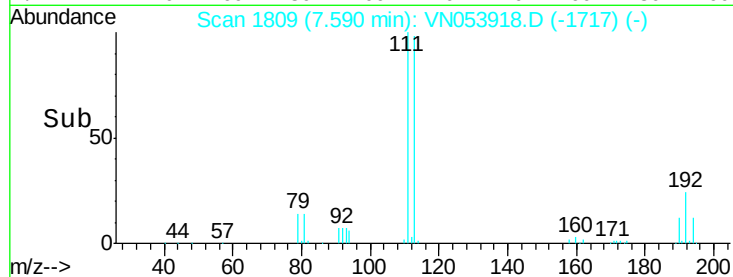
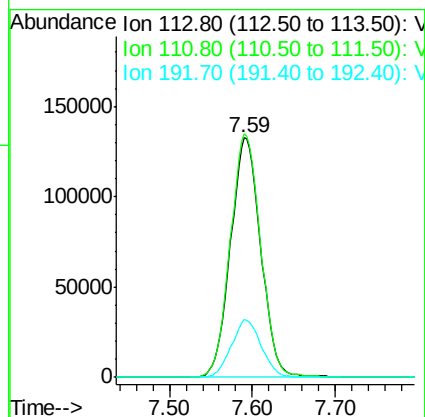
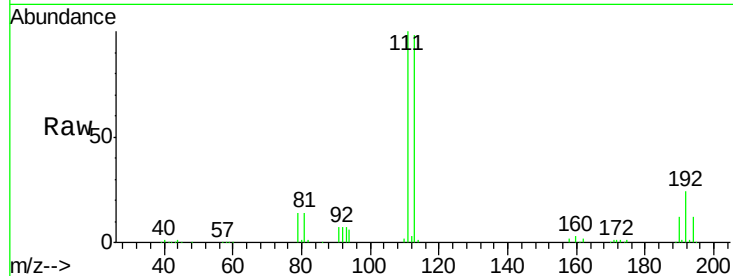
Tgt Ion: 114 Resp: 1107678  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 37.4  
 88 22.1 0.0 30.4





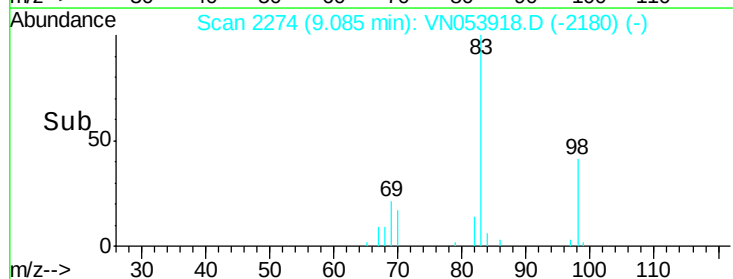
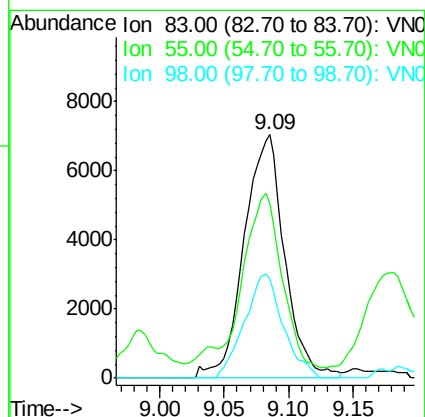
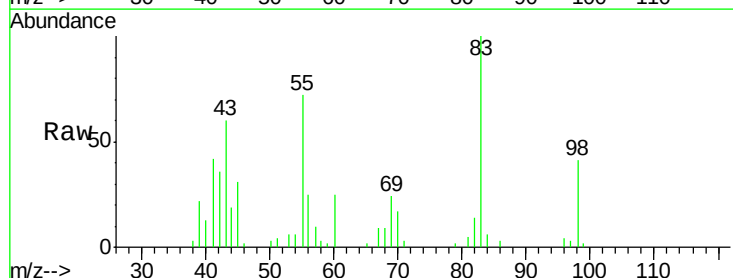
#35  
 Dibromofluoromethane  
 Concen: 46.325 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. -0.00 min  
 Lab File: VN053918.D  
 Acq: 22 Feb 2019 16:12

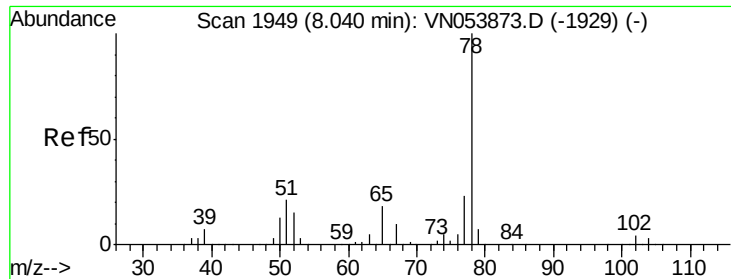
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.1 | 81.1  | 121.7 |
| 192     | 23.9  | 18.8  | 28.2  |



#39  
 Methylcyclohexane  
 Concen: 1.321 ug/l  
 RT: 9.09 min Scan# 2274  
 Delta R.T. 0.00 min  
 Lab File: VN053918.D  
 Acq: 22 Feb 2019 16:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 66.4  | 58.2  | 87.4  |
| 98      | 40.6  | 37.2  | 55.8  |





#40

Benzene

Concen: 10.593 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053918.D

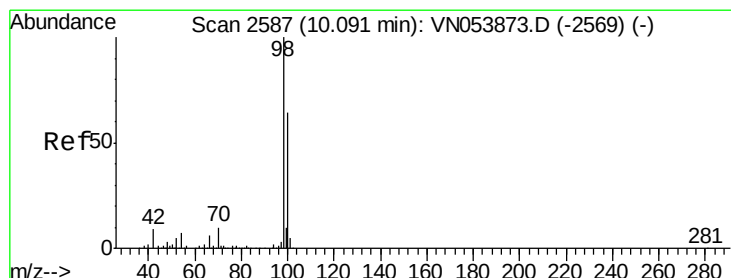
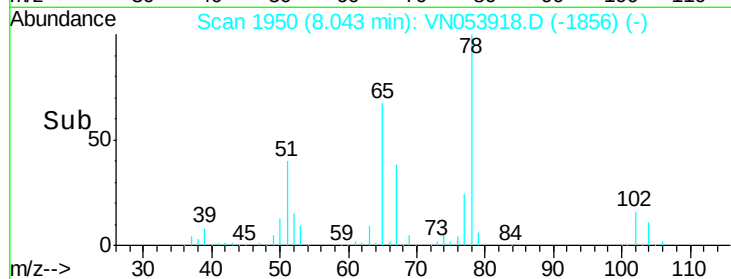
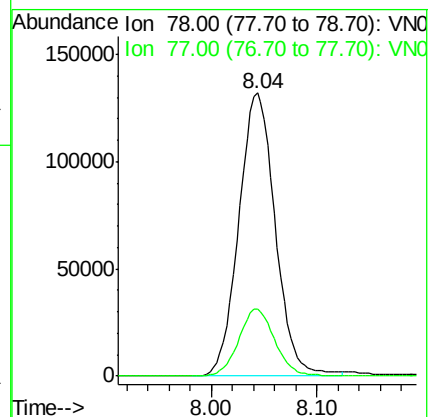
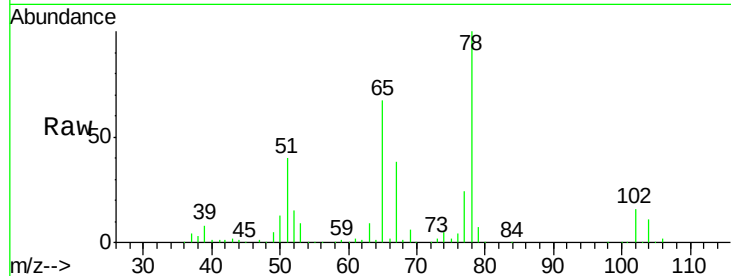
Acq: 22 Feb 2019 16:12

Tot Ion: 78 Resp: 317941

Ion Ratio Lower Upper

78 100

77 23.7 18.8 28.2



#50

Toluene-d8

Concen: 48.882 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053918.D

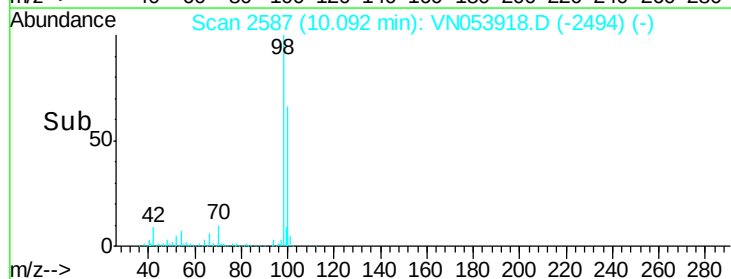
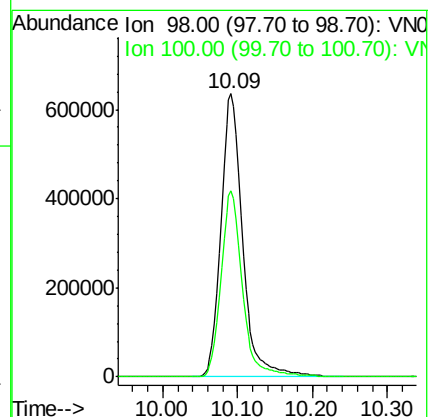
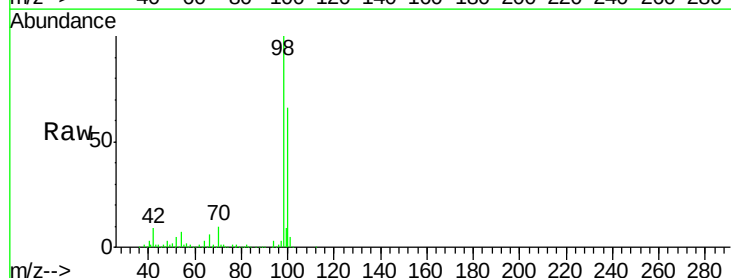
Acq: 22 Feb 2019 16:12

Tgt Ion: 98 Resp: 1283434

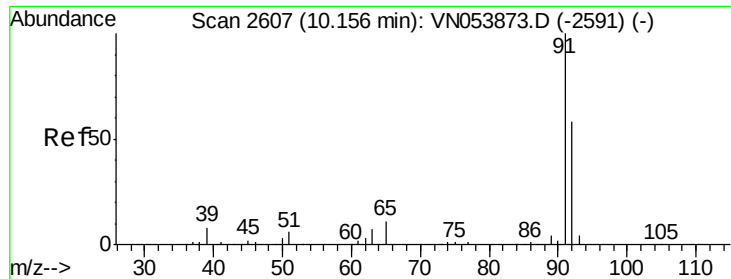
Ion Ratio Lower Upper

98 100

100 64.7 51.9 77.9







#52

Toluene

Concen: 12.086 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053918.D

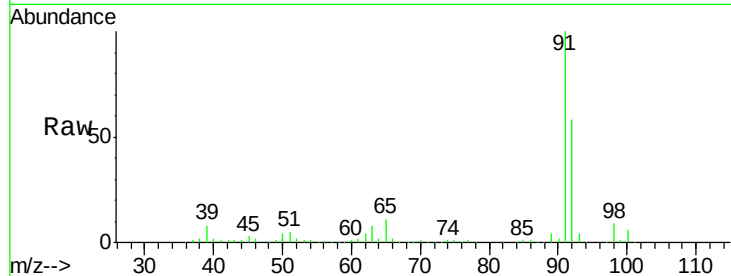
Acq: 22 Feb 2019 16:12

Tot Ion: 92 Resp: 214977

Ion Ratio Lower Upper

92 100

91 172.2 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN053918.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN053918.D (-2514) (-)

200000

150000

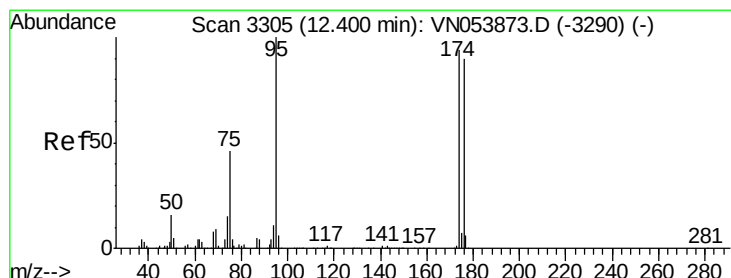
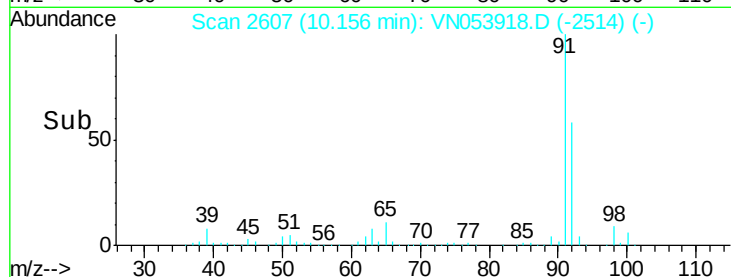
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 53.751 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053918.D

Acq: 22 Feb 2019 16:12

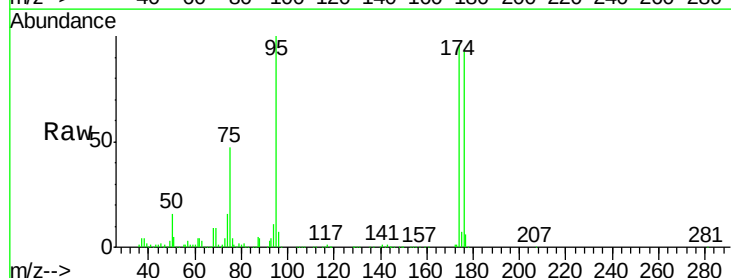
Tgt Ion: 95 Resp: 465913

Ion Ratio Lower Upper

95 100

174 95.6 0.0 188.8

176 92.5 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053918.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN053918.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN053918.D (-3212) (-)

300000

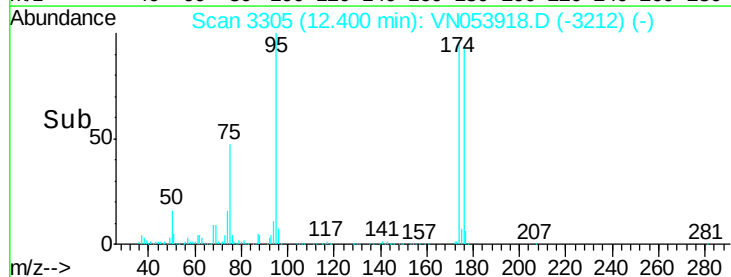
200000

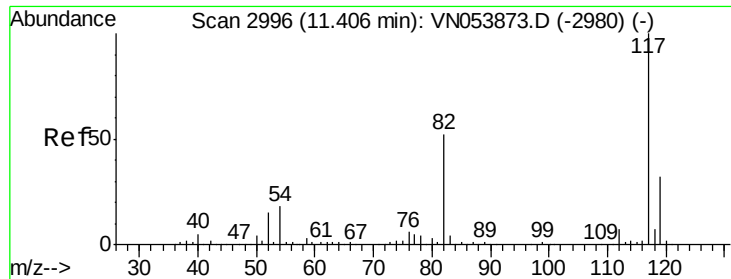
100000

0

12.30 12.40 12.50

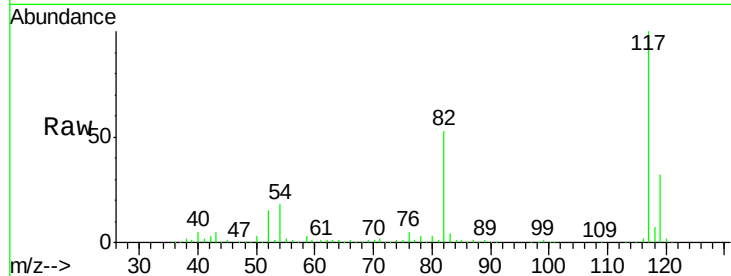
Time-->



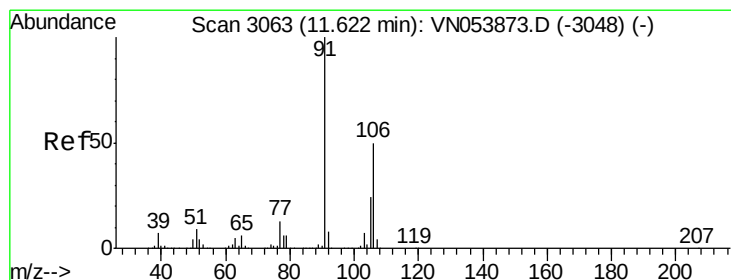
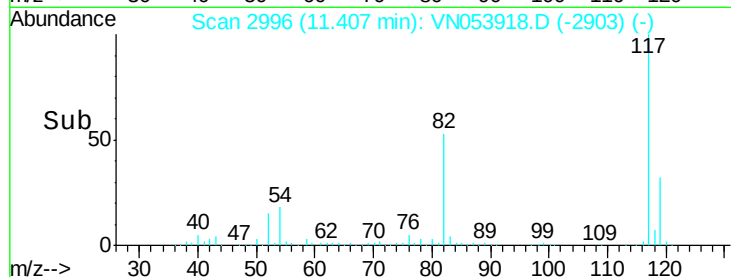
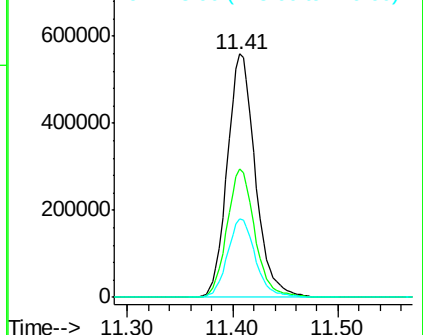


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

Tot Ion:117 Resp: 1024729  
Ion Ratio Lower Upper  
117 100  
82 52.5 41.4 62.2  
119 32.0 25.3 37.9

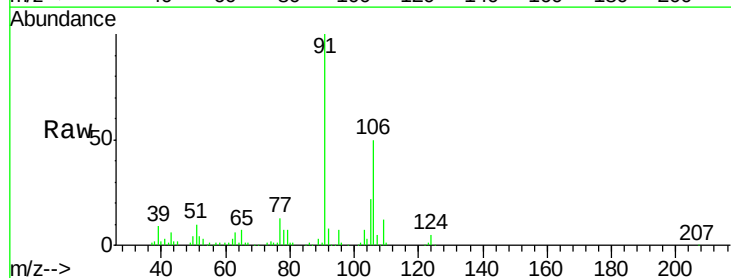


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN0  
Ion 118.90 (118.60 to 119.60): V

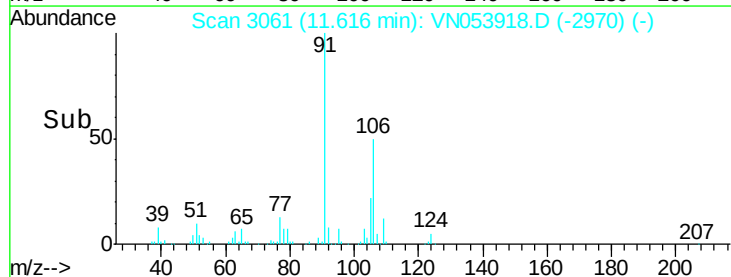
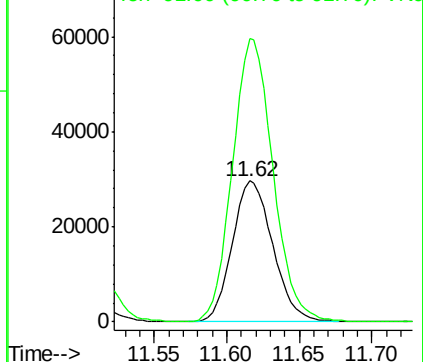


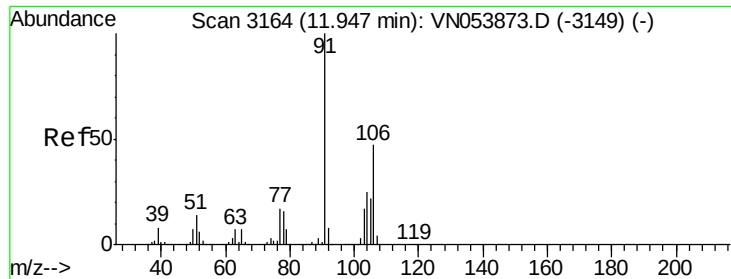
#68  
m/p-Xylenes  
Concen: 4.287 ug/l  
RT: 11.62 min Scan# 3061  
Delta R.T. -0.01 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

Tgt Ion:106 Resp: 57625  
Ion Ratio Lower Upper  
106 100  
91 201.2 158.9 238.3



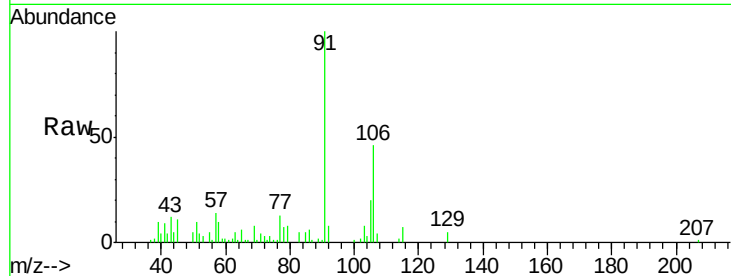
Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0



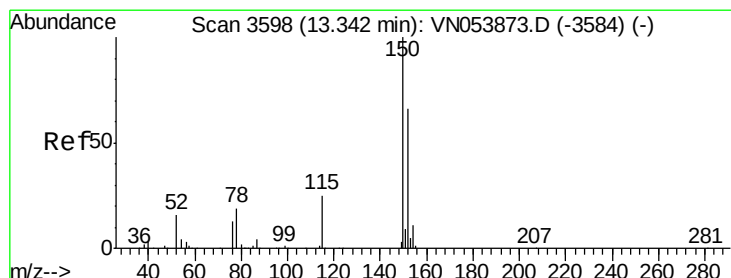
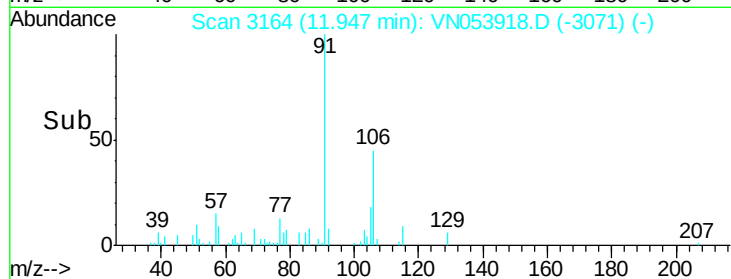
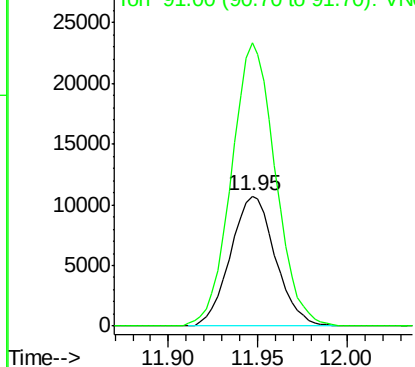


#69  
o-Xylene  
Concen: 1.456 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

Tot Ion:106 Resp: 18836  
Ion Ratio Lower Upper  
106 100  
91 212.7 106.0 318.0

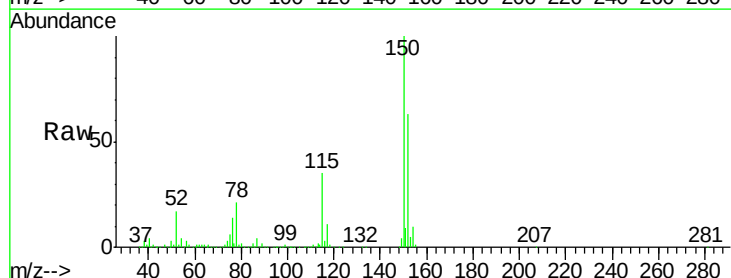


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0

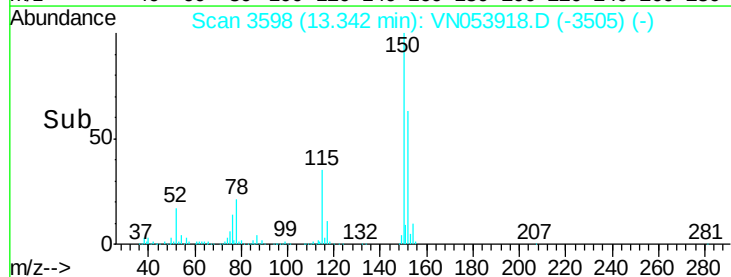
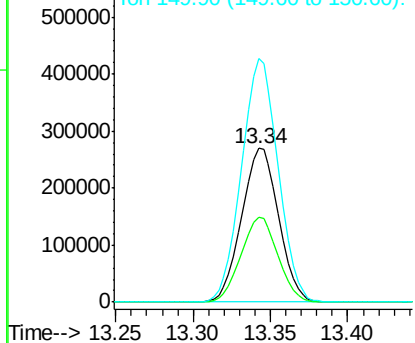


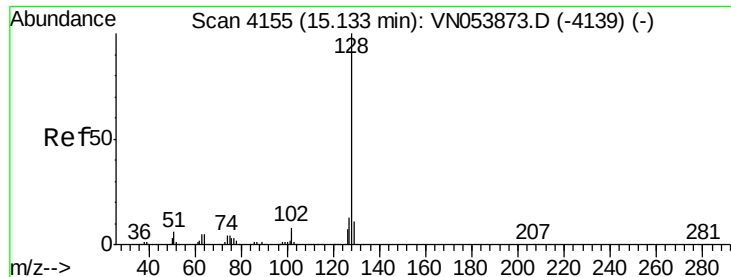
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

Tgt Ion:152 Resp: 449096  
Ion Ratio Lower Upper  
152 100  
115 55.0 27.2 81.6  
150 156.7 0.0 348.2



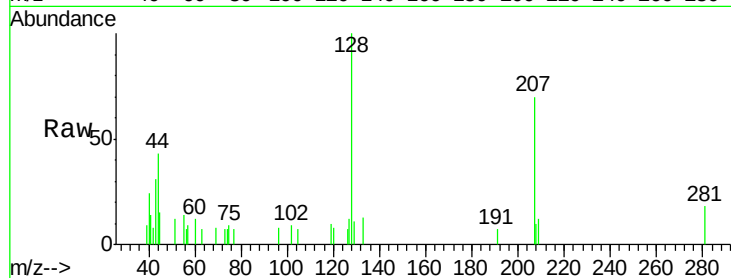
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#95  
Naphthalene  
Concen: 4.839 ug/l  
RT: 15.13 min Scan# 4155  
Delta R.T. 0.00 min  
Lab File: VN053918.D  
Acq: 22 Feb 2019 16:12

Tot Ion:128 Resp: 4448  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.2 15.2  
129 13.3 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

