

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\  
 Data File : VN053664.D  
 Acq On : 7 Feb 2019 19:00  
 Operator : JC/SP  
 Sample : K1394-01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 20 Sample Multiplier: 28

Quant Time: Feb 09 00:31:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 01 09:11:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.   | QIon | Response | Conc    | Units   | Dev(Min) |
|--------------------------------|--------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene          | 7.67   | 168  | 745229   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene        | 8.59   | 114  | 1238065  | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5           | 11.41  | 117  | 1108901  | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4     | 13.34  | 152  | 457133   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds    |        |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4      | 8.03   | 65   | 398647   | 53.32   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 106.64% |          |
| 35) Dibromofluoromethane       | 7.59   | 113  | 391412   | 50.03   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 100.06% |          |
| 50) Toluene-d8                 | 10.09  | 98   | 1489212  | 50.70   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 101.40% |          |
| 62) 4-Bromofluorobenzene       | 12.40  | 95   | 475743   | 48.56   | ug/l    | 0.00     |
| Spiked Amount                  | 50.000 |      | Recovery | =       | 97.12%  |          |
| Target Compounds               |        |      |          |         |         |          |
|                                |        |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane     | 1.85   | 85   | 330      | 0.377   | ug/l #  | 42       |
| 11) Tert butyl alcohol         | 4.79   | 59   | 1332     | 3.010   | ug/l #  | 72       |
| 14) Allyl chloride             | 4.55   | 41   | 10579    | 0.963   | ug/l #  | 27       |
| 16) Acetone                    | 3.82   | 43   | 20316    | 10.594  | ug/l    | 98       |
| 18) Methyl Acetate             | 4.33   | 43   | 1956     | 0.344   | ug/l #  | 85       |
| 20) Methylene Chloride         | 4.55   | 84   | 273611   | 34.009  | ug/l    | 97       |
| 25) 2-Butanone                 | 6.84   | 43   | 6684     | 2.444   | ug/l    | 97       |
| 29) Tetrahydrofuran            | 7.22   | 42   | 970      | 0.552   | ug/l #  | 73       |
| 31) Cyclohexane                | 7.67   | 56   | 11505    | 0.743   | ug/l #  | 1        |
| 36) 1,1-Dichloropropene        | 7.67   | 75   | 43448    | 3.893   | ug/l #  | 48       |
| 37) Ethyl Acetate              | 6.84   | 43   | 6684     | 1.072   | ug/l #  | 69       |
| 38) Carbon Tetrachloride       | 7.67   | 117  | 58594    | 5.212   | ug/l #  | 16       |
| 43) Isopropyl Acetate          | 8.17   | 43   | 39657    | 3.294   | ug/l #  | 76       |
| 45) 1,2-Dichloropropane        | 9.27   | 63   | 2097     | 0.238   | ug/l #  | 43       |
| 48) Methyl methacrylate        | 9.17   | 41   | 13251    | 2.306   | ug/l #  | 24       |
| 49) 1,4-Dioxane                | 9.27   | 88   | 174      | 41.106  | ug/l #  | 1        |
| 51) 4-Methyl-2-Pentanone       | 10.03  | 43   | 9033     | 1.527   | ug/l #  | 34       |
| 54) cis-1,3-Dichloropropene    | 9.90   | 75   | 72425    | 5.532   | ug/l #  | 62       |
| 57) 1,3-Dichloropropane        | 10.76  | 76   | 15140    | 1.204   | ug/l #  | 43       |
| 59) 2-Hexanone                 | 10.76  | 43   | 187164   | 46.608  | ug/l #  | 50       |
| 68) m/p-Xylenes                | 11.62  | 106  | 6414     | 0.434   | ug/l    | 98       |
| 69) o-Xylene                   | 11.95  | 106  | 3563     | 0.250   | ug/l    | 83       |
| 71) Bromoform                  | 12.40  | 173  | 3239     | 0.574   | ug/l #  | 1        |
| 74) N-amyl acetate             | 12.03  | 43   | 2549     | 0.330   | ug/l #  | 41       |
| 76) 1,2,3-Trichloropropane     | 12.40  | 75   | 220891   | 37.620  | ug/l #  | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73  | 105  | 10991    | 0.412   | ug/l    | 98       |
| 81) trans-1,4-Dichloro-2-buten | 12.40  | 75   | 220891   | 105.785 | ug/l #  | 15       |
| 84) 1,2,4-Trimethylbenzene     | 13.04  | 105  | 28195    | 1.038   | ug/l    | 100      |
| 90) Hexachloroethane           | 13.89  | 117  | 1548     | 0.335   | ug/l #  | 3        |
| 93) 1,2,4-Trichlorobenzene     | 14.91  | 180  | 2646     | 0.310   | ug/l    | 91       |
| 95) Naphthalene                | 15.13  | 128  | 218983   | 12.263  | ug/l    | 99       |
| 96) 1,2,3-Trichlorobenzene     | 15.31  | 180  | 3007     | 0.379   | ug/l #  | 93       |

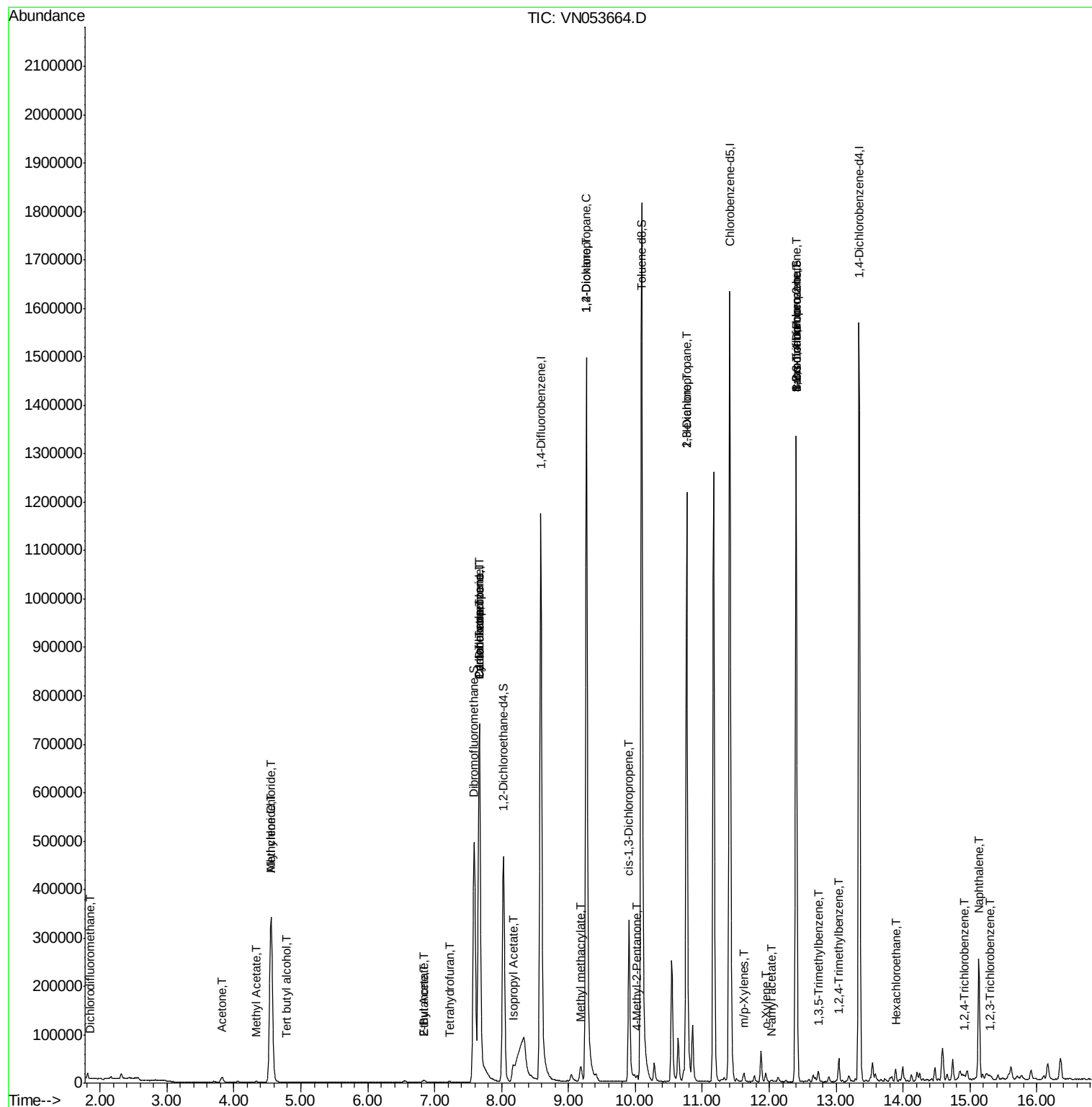
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\  
Data File : VN053664.D  
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ALS Vial : 20 Sample Multiplier: 28

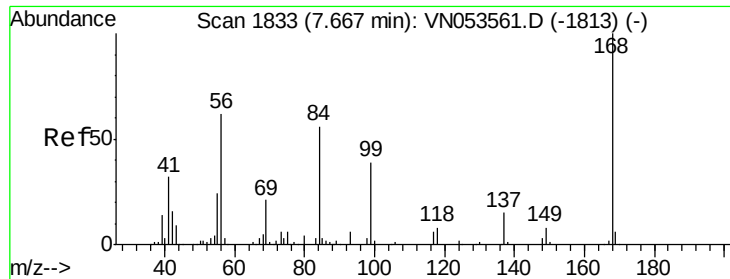
Quant Time: Feb 09 00:31:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N013019W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 01 09:11:52 2019  
Response via : Initial Calibration

| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053664.D

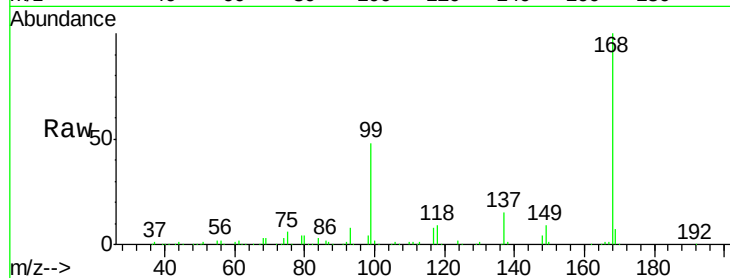
Acq: 7 Feb 2019 19:00

Tot Ion:168 Resp: 745229

Ion Ratio Lower Upper

168 100

99 47.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

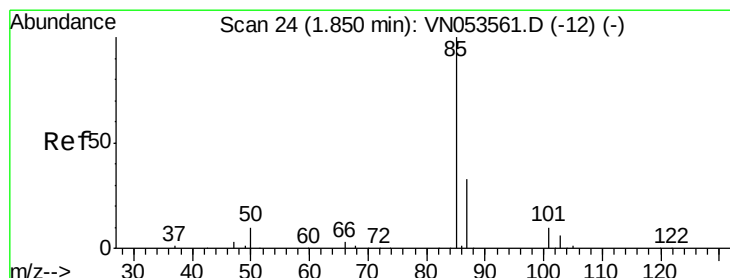
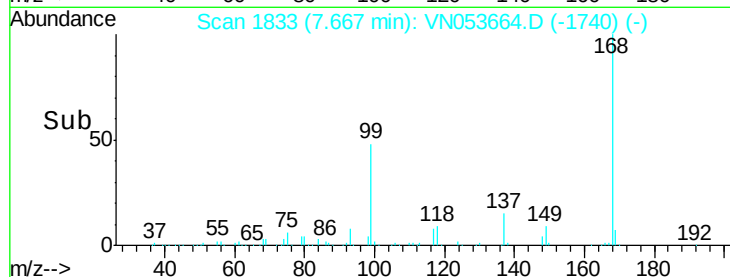
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.377 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN053664.D

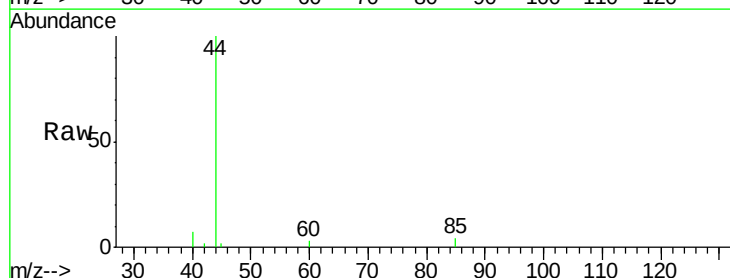
Acq: 7 Feb 2019 19:00

Tgt Ion: 85 Resp: 330

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300

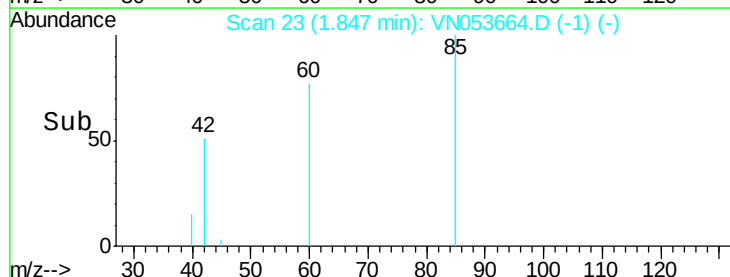
200

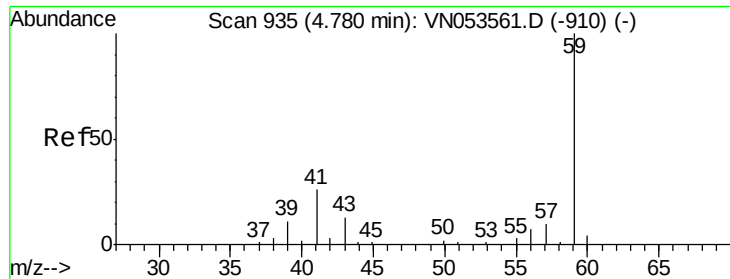
100

0

1.84 1.86

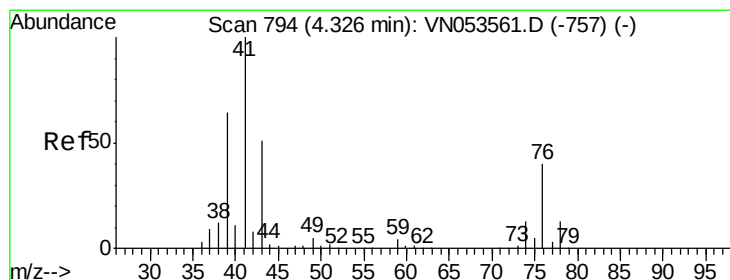
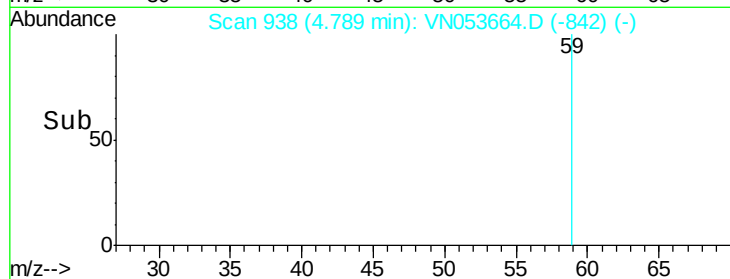
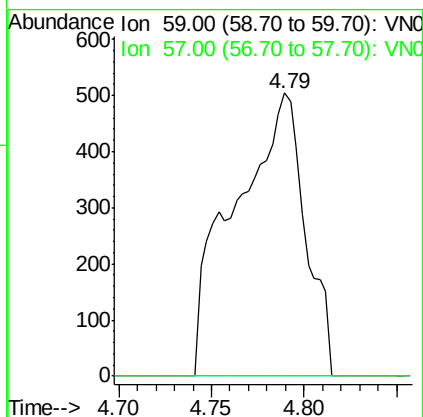
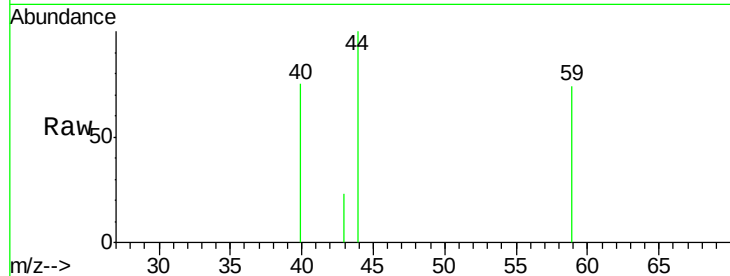
Time-->





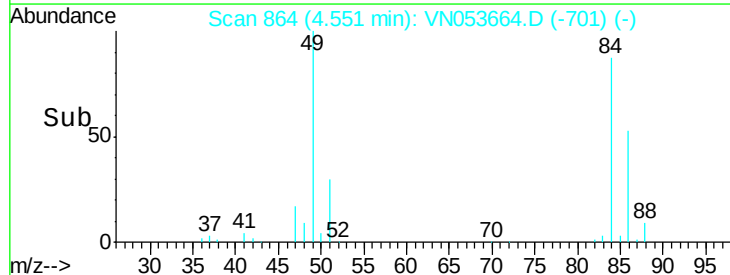
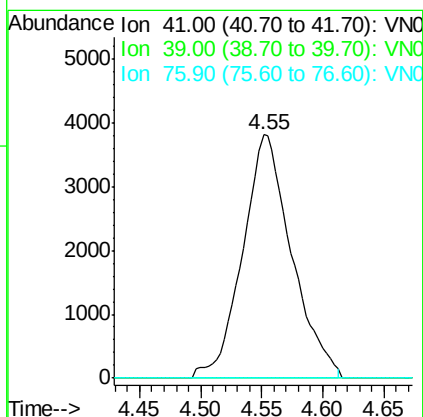
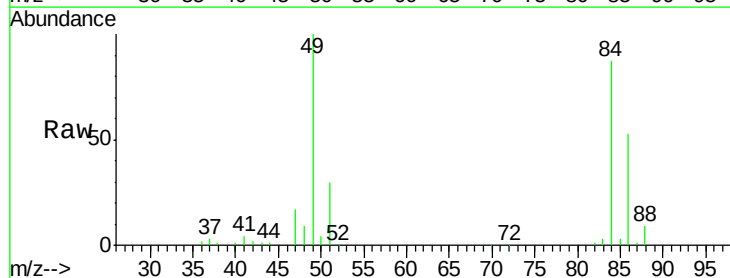
#11  
Tert butyl alcohol  
Concen: 3.010 ug/l  
RT: 4.79 min Scan# 938  
Delta R.T. 0.01 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

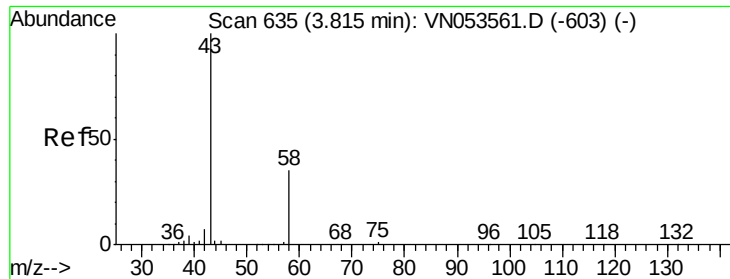
Tot Ion: 59 Resp: 1332  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#



#14  
Allyl chloride  
Concen: 0.963 ug/l  
RT: 4.55 min Scan# 864  
Delta R.T. 0.23 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion: 41 Resp: 10579  
Ion Ratio Lower Upper  
41 100  
39 0.0 48.9 73.3#  
76 0.0 29.4 44.2#





#16

Acetone

Concen: 10.594 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053664.D

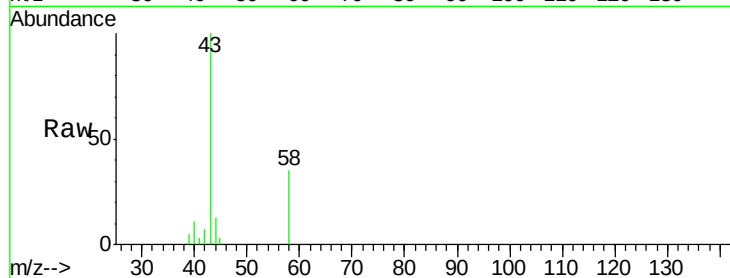
Acq: 7 Feb 2019 19:00

Tot Ion: 43 Resp: 20316

Ion Ratio Lower Upper

43 100

58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

8000

6000

4000

2000

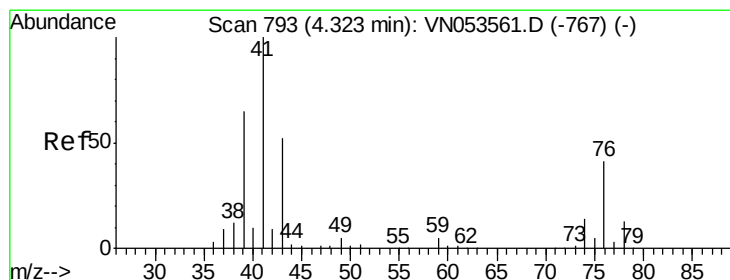
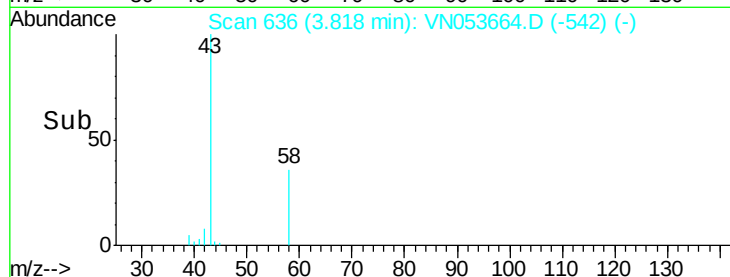
0

Time-->

3.70

3.80

3.90



#18

Methyl Acetate

Concen: 0.344 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053664.D

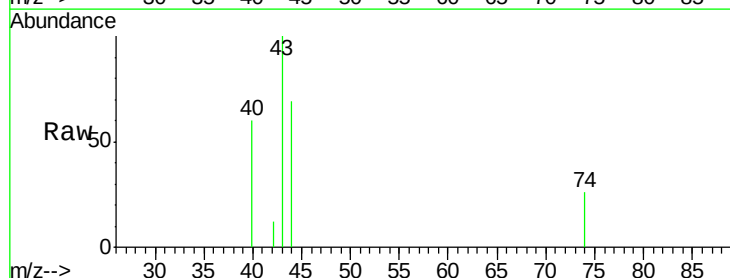
Acq: 7 Feb 2019 19:00

Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

74 16.8 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

1500

1000

500

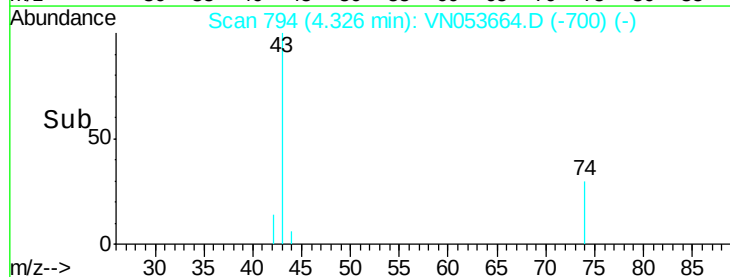
0

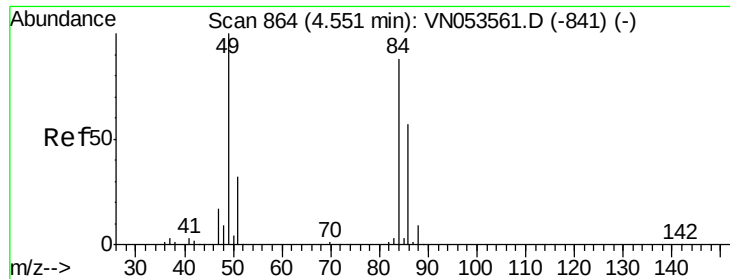
Time-->

4.25

4.30

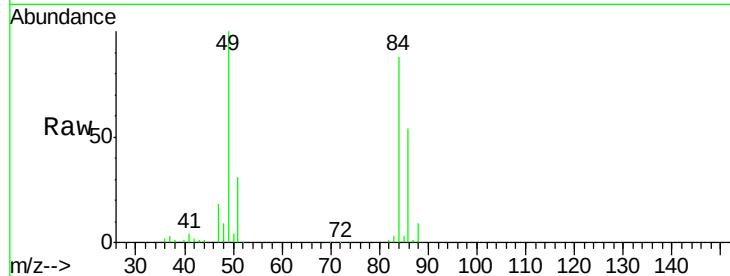
4.35





#20  
Methylene Chloride  
Concen: 34.009 ug/l  
RT: 4.55 min Scan# 865  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 84    | Resp: | 273611 |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 114.2 | 94.3  | 141.5  |
| 51       | 35.6  | 29.4  | 44.2   |
| 86       | 61.4  | 51.4  | 77.0   |



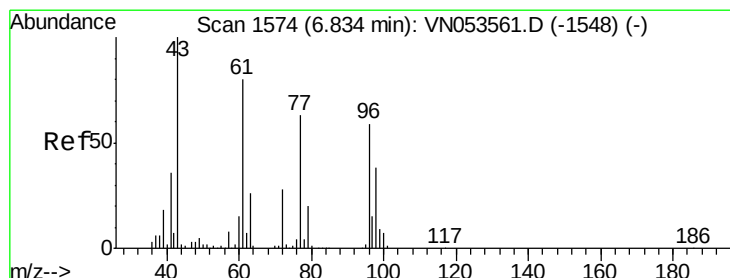
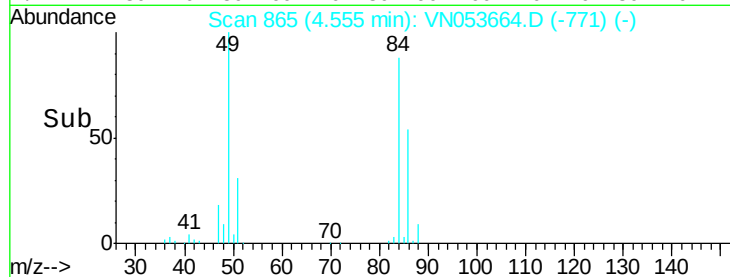
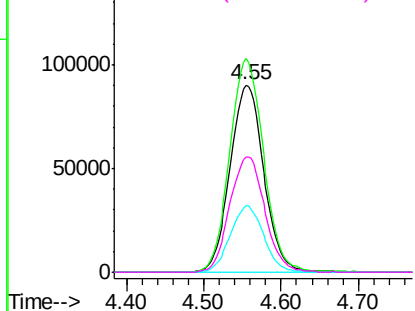
Abundance

Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

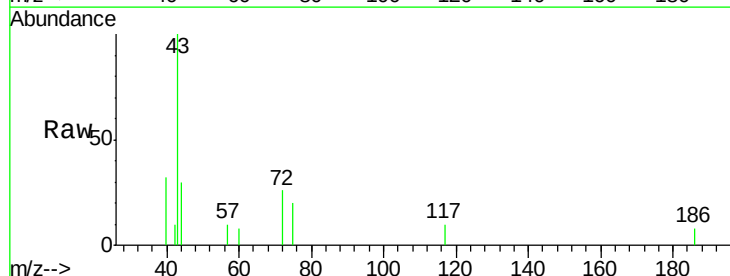
Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25  
2-Butanone  
Concen: 2.444 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

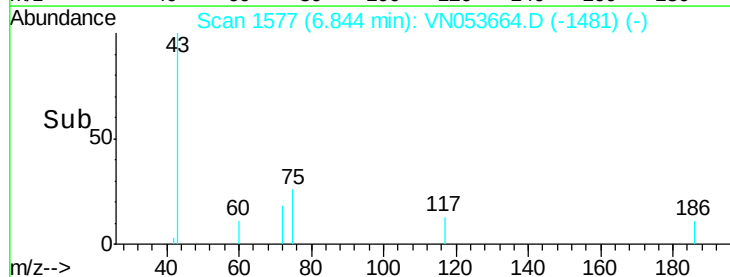
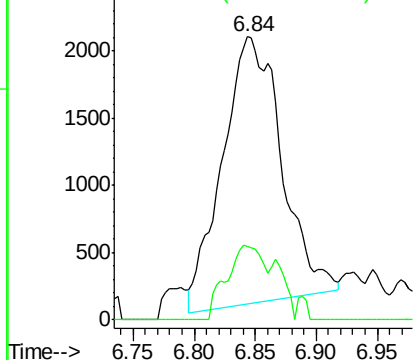
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 6684  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 29.0  | 22.0  | 33.0  |

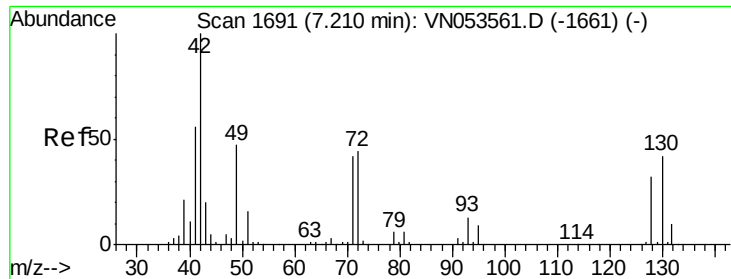


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.22 min Scan# 1694

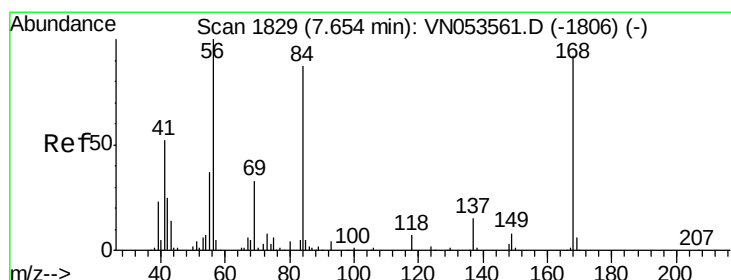
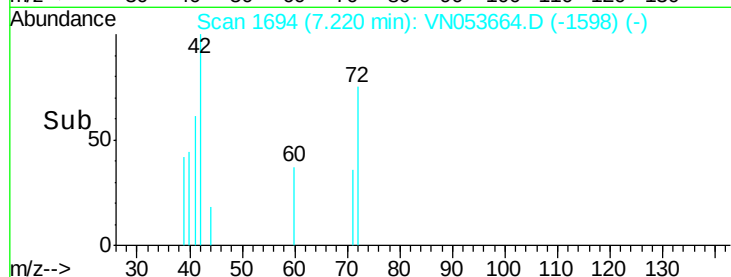
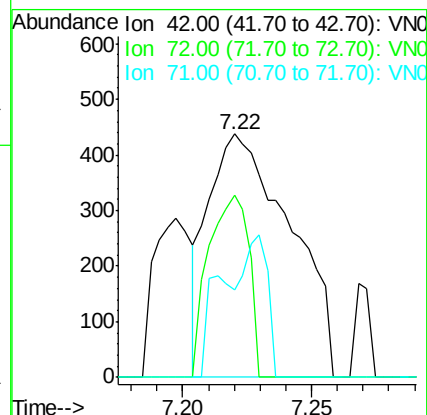
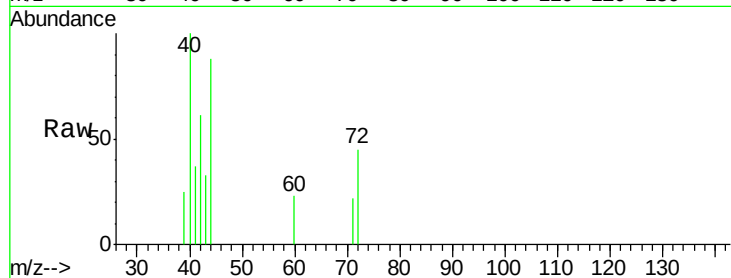
Delta R.T. 0.01 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tot Ion: 42 Resp: 970

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 36.5  | 35.2  | 52.8  |
| 71  | 13.7  | 33.0  | 49.4# |



#31

Cyclohexane

Concen: 0.743 ug/l

RT: 7.67 min Scan# 1833

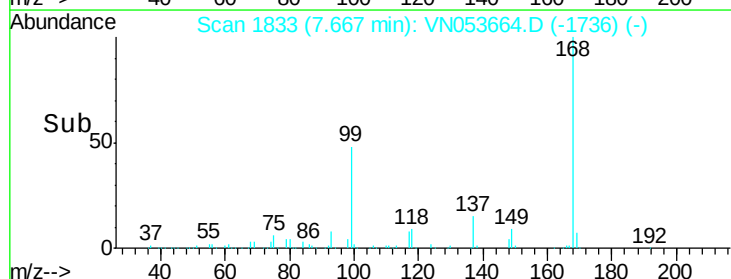
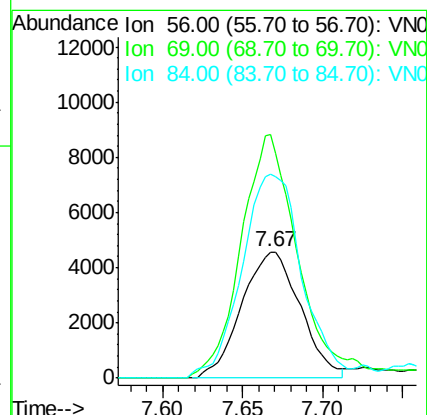
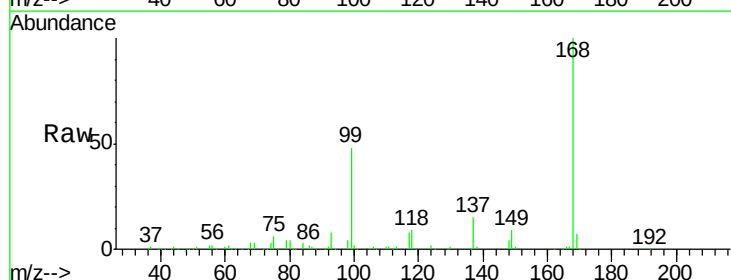
Delta R.T. 0.01 min

Lab File: VN053664.D

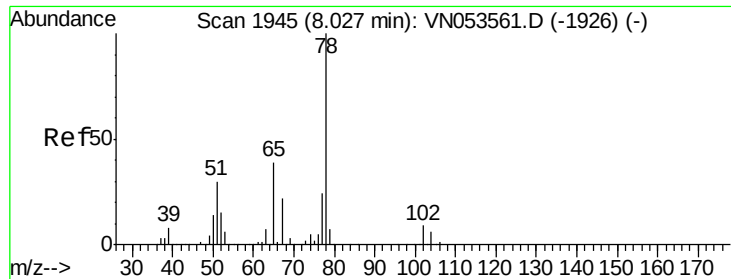
Acq: 7 Feb 2019 19:00

Tgt Ion: 56 Resp: 11505

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 189.9 | 26.4  | 39.6#  |
| 84  | 157.8 | 67.9  | 101.9# |

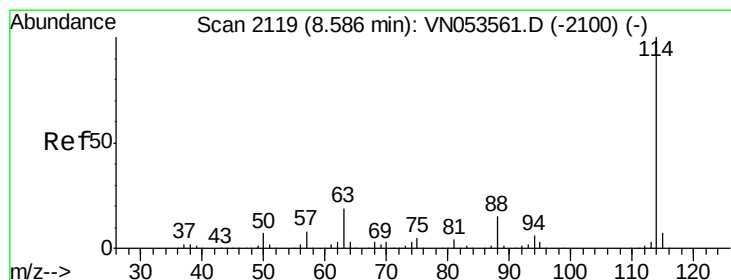
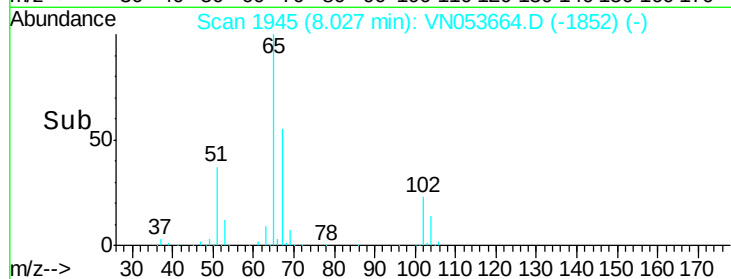
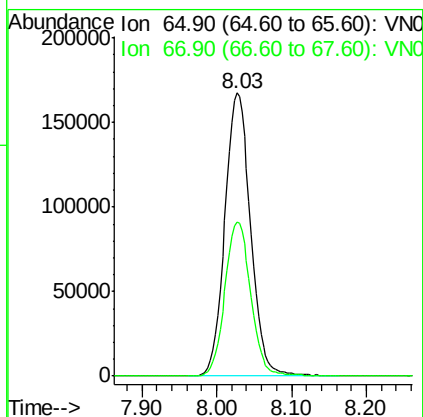
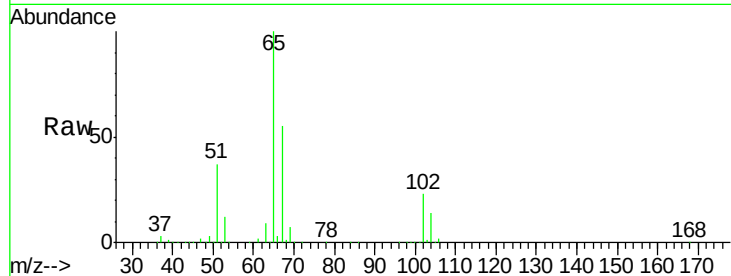






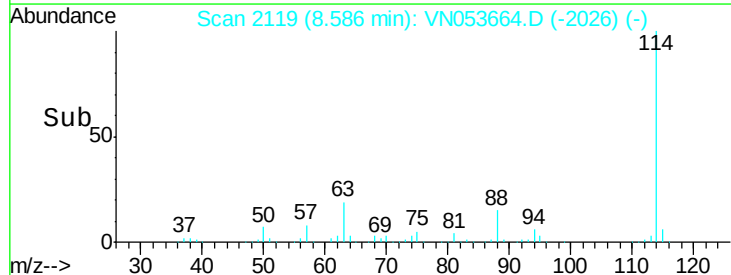
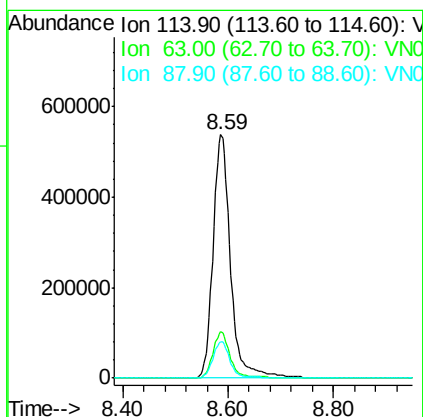
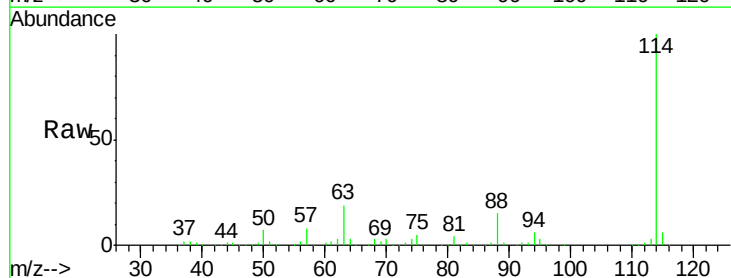
#33  
 1,2-Dichloroethane-d4  
 Concen: N.D. ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN053664.D  
 Acq: 7 Feb 2019 19:00

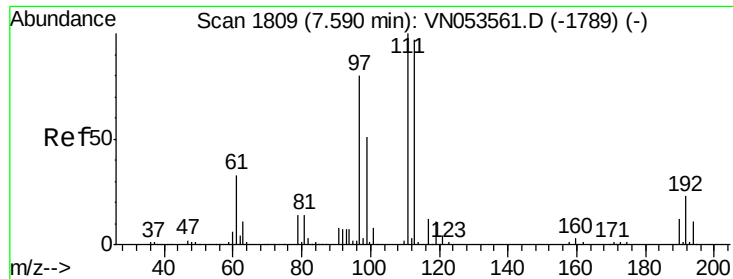
Tot Ion: 65 Resp: 398647  
 Ion Ratio Lower Upper  
 65 100  
 67 54.9 0.0 111.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053664.D  
 Acq: 7 Feb 2019 19:00

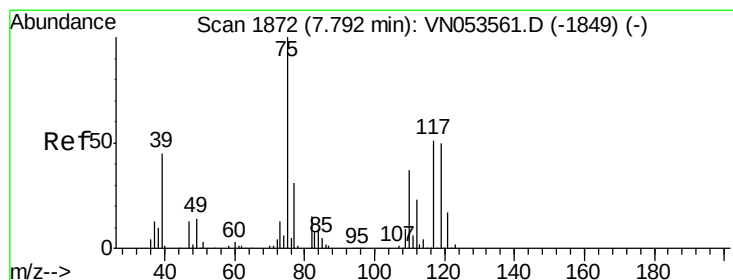
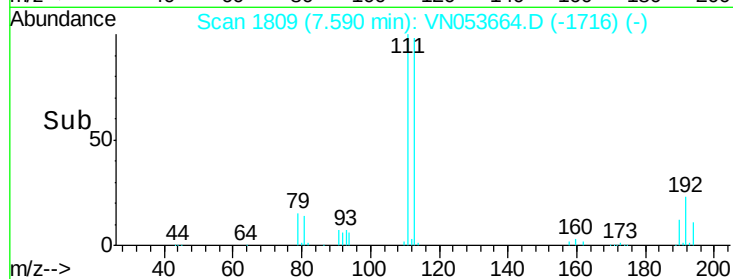
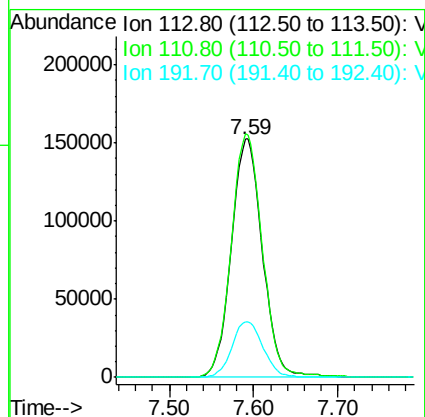
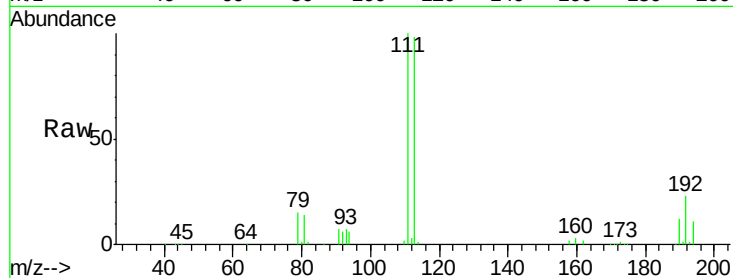
Tgt Ion: 114 Resp: 1238065  
 Ion Ratio Lower Upper  
 114 100  
 63 18.9 0.0 38.6  
 88 14.9 0.0 30.4





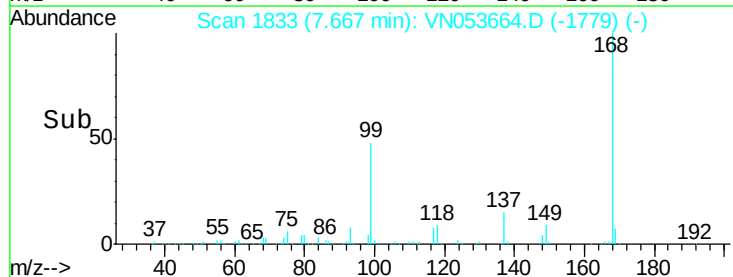
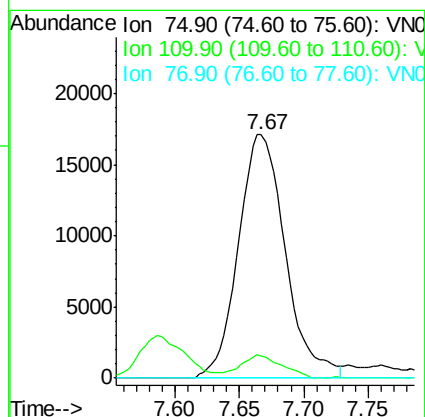
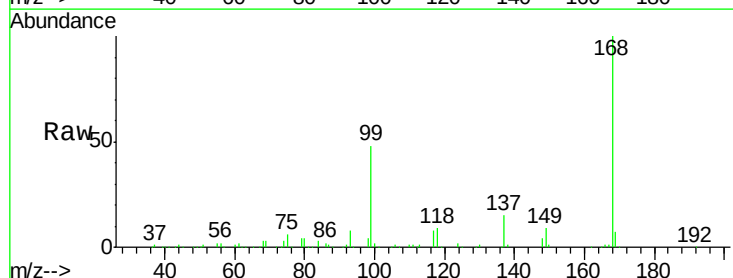
#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN053664.D  
 Acq: 7 Feb 2019 19:00

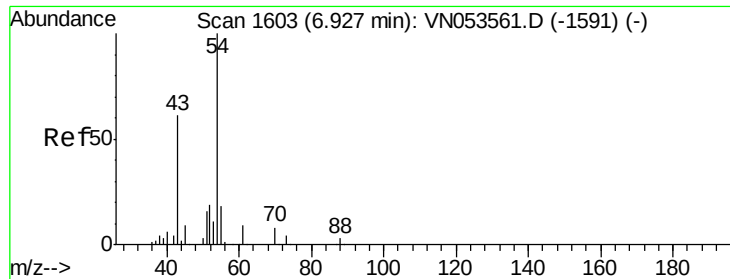
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 81.1  | 121.7 |
| 192     | 23.4  | 18.2  | 27.2  |



#36  
 1,1-Dichloropropene  
 Concen: 3.893 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. -0.13 min  
 Lab File: VN053664.D  
 Acq: 7 Feb 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 8.3   | 18.1  | 54.3# |
| 77      | 0.0   | 25.1  | 37.7# |





#37

Ethyl Acetate

Concen: 1.072 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.08 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

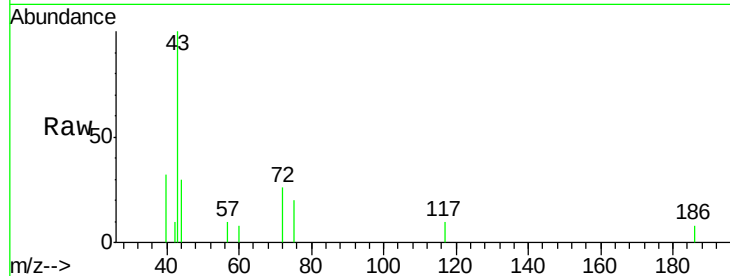
Tot Ion: 43 Resp: 6684

Ion Ratio Lower Upper

43 100

61 1.2 11.8 17.6#

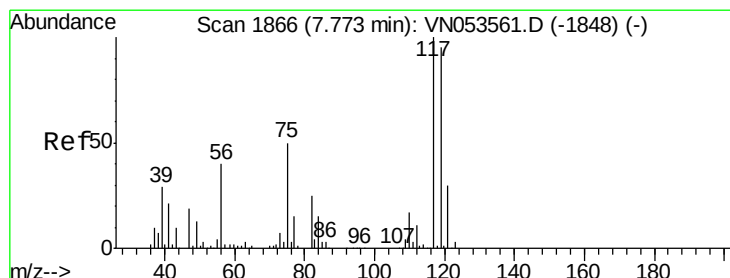
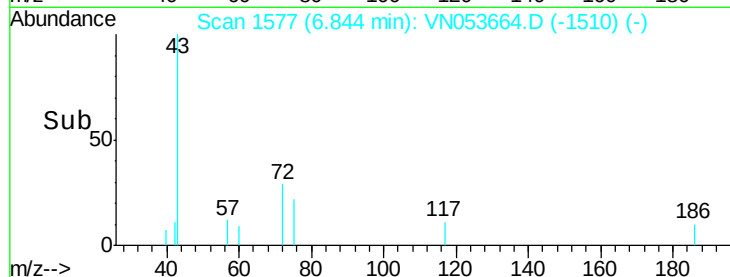
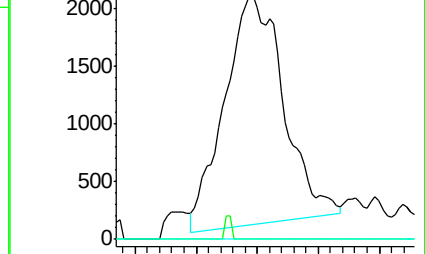
70 0.0 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053664.D (-1510) (-)

Ion 60.90 (60.60 to 61.60): VN053664.D (-1510) (-)

Ion 70.00 (69.70 to 70.70): VN053664.D (-1510) (-)



#38

Carbon Tetrachloride

Concen: 5.212 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

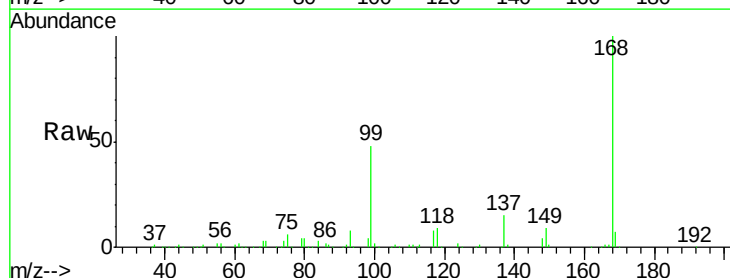
Tgt Ion: 117 Resp: 58594

Ion Ratio Lower Upper

117 100

119 5.9 77.2 115.8#

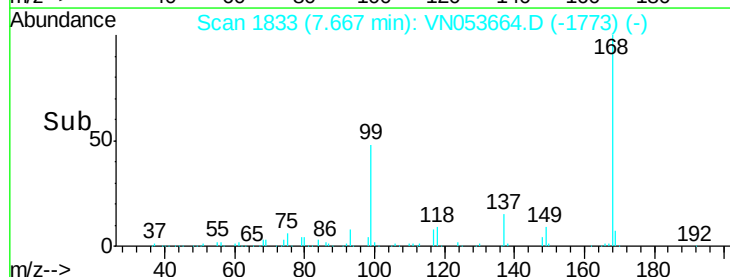
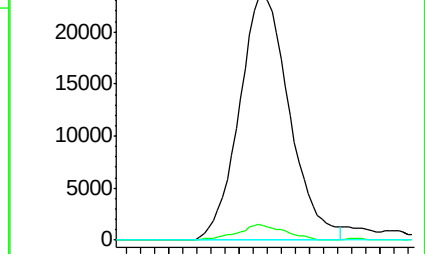
121 0.0 24.6 37.0#

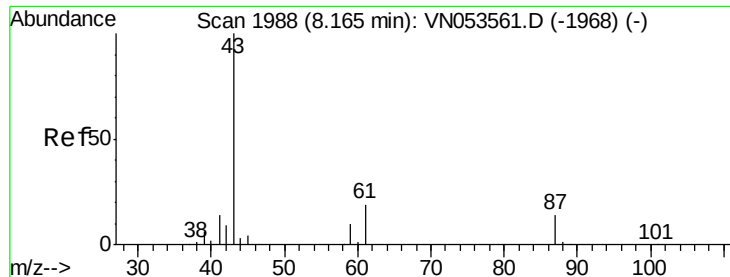


Abundance Ion 116.80 (116.50 to 117.50): VN053664.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053664.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053664.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 3.294 ug/l

RT: 8.17 min Scan# 1990

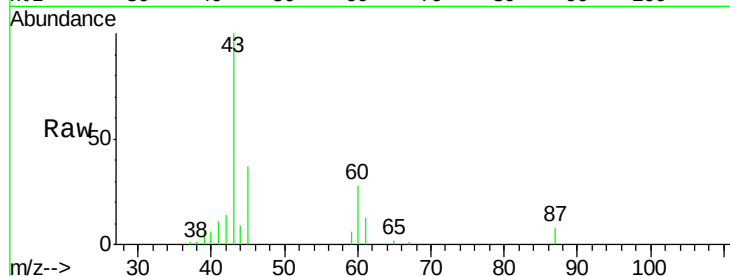
Delta R.T. 0.01 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tot Ion: 43 Resp: 39657

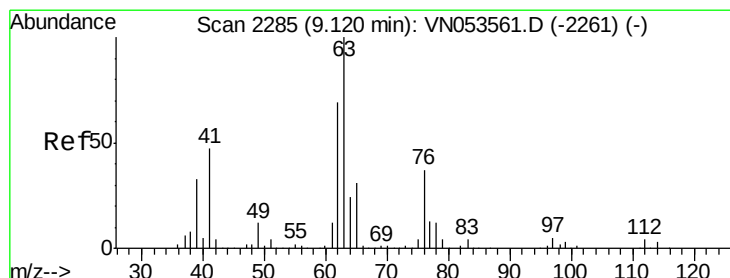
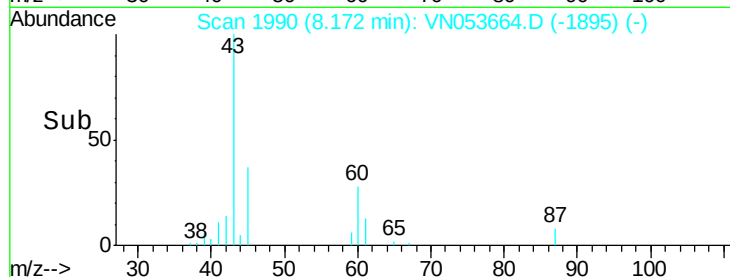
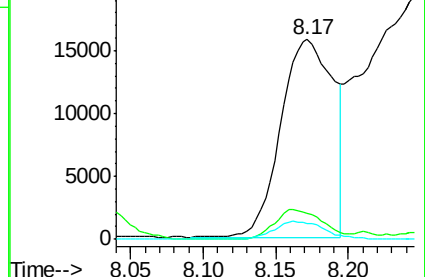
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 13.8  | 23.9  | 35.9# |
| 87  | 8.7   | 11.0  | 16.6# |



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.238 ug/l

RT: 9.27 min Scan# 2331

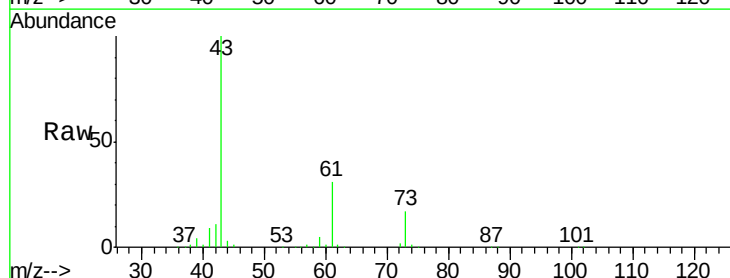
Delta R.T. 0.15 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

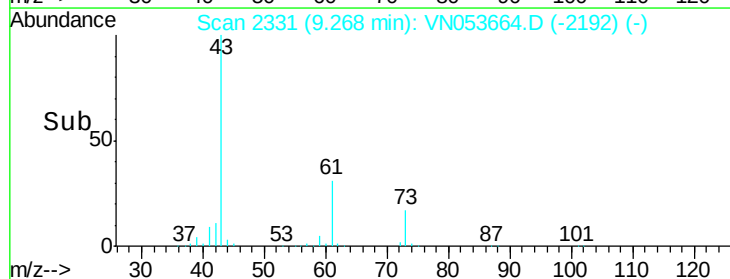
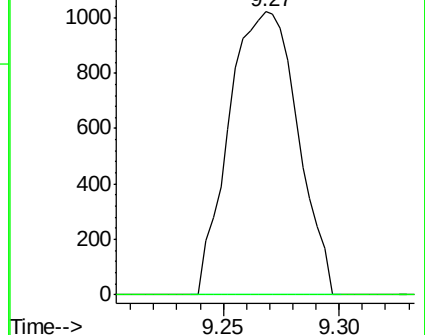
Tgt Ion: 63 Resp: 2097

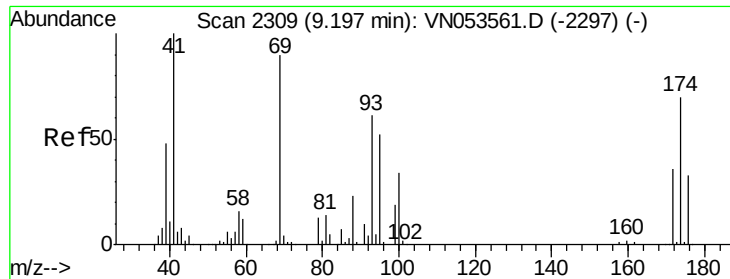
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 0.0   | 25.0  | 37.4# |



Abundance Ion 62.90 (62.60 to 63.60): VN0

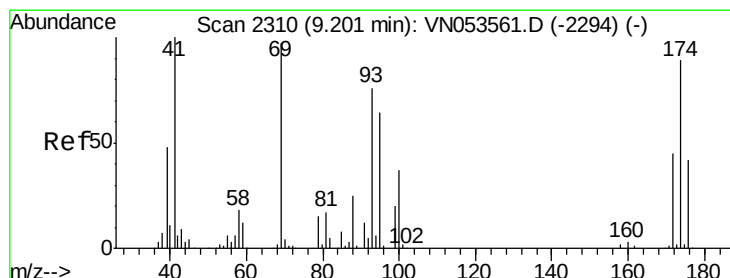
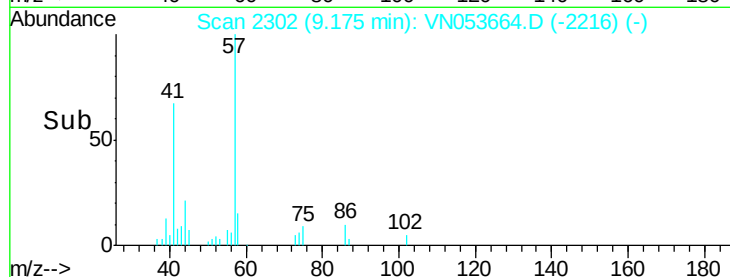
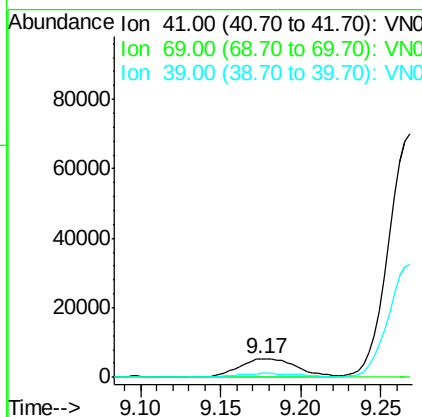
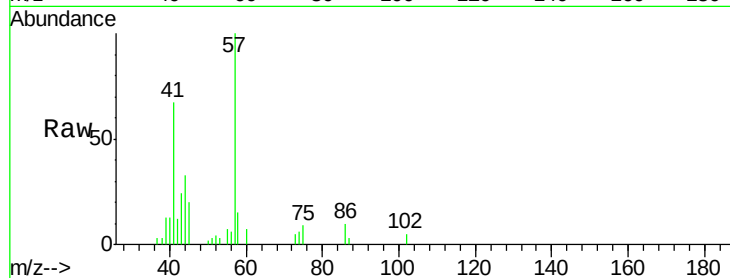
Ion 64.90 (64.60 to 65.60): VN0





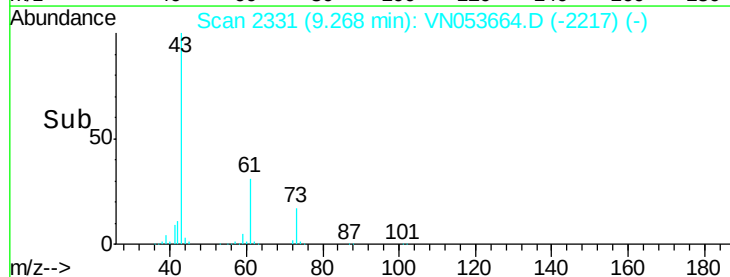
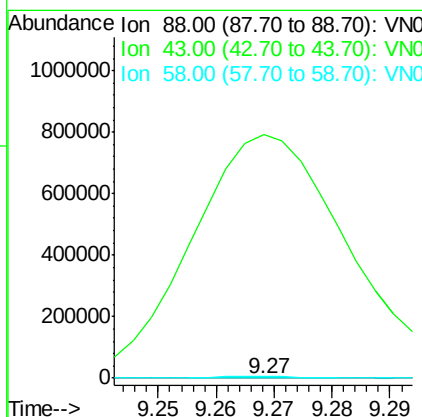
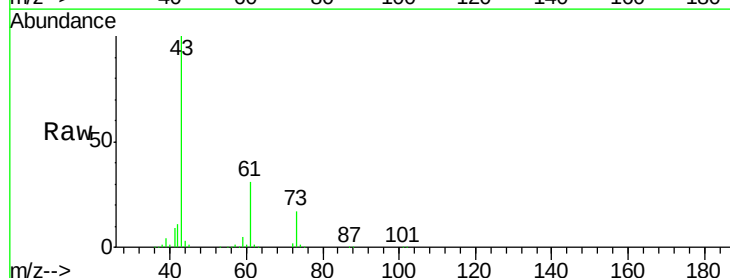
#48  
Methvl methacrylate  
Concen: 2.306 ug/l  
RT: 9.17 min Scan# 2302  
Delta R.T. -0.02 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

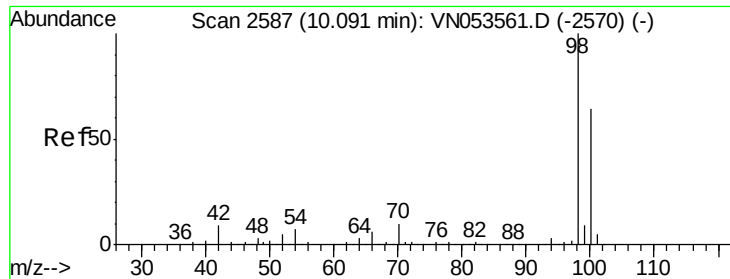
Tot Ion: 41 Resp: 13251  
Ion Ratio Lower Upper  
41 100  
69 0.0 73.8 110.6#  
39 22.9 40.0 60.0#



#49  
1,4-Dioxane  
Concen: 41.106 ug/l  
RT: 9.27 min Scan# 2331  
Delta R.T. 0.07 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

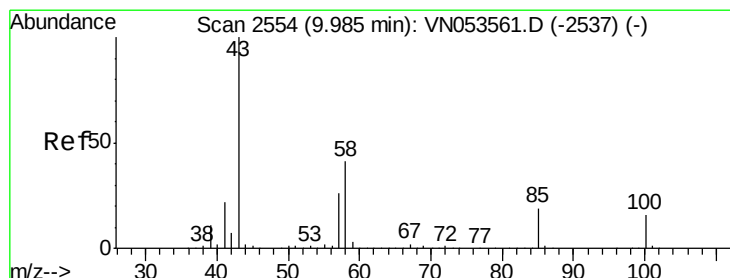
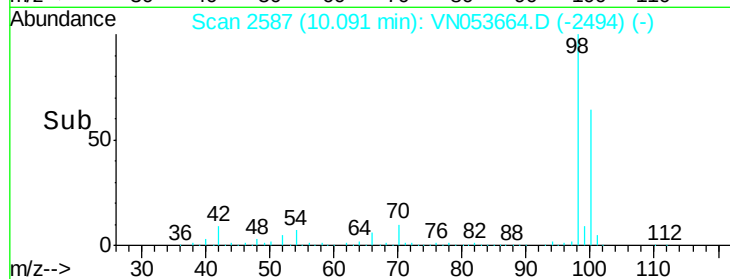
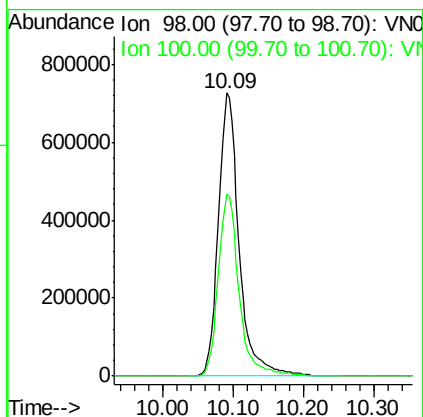
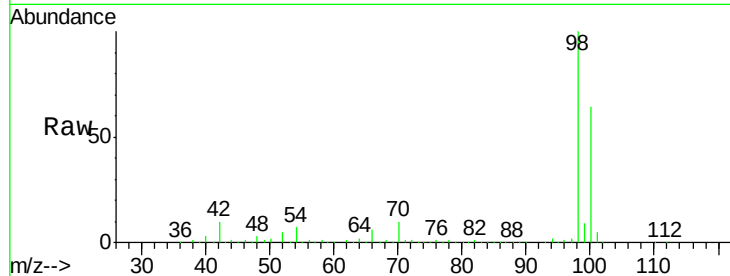
Tgt Ion: 88 Resp: 174  
Ion Ratio Lower Upper  
88 100  
43 930270.1 27.8 41.6#  
58 4642.5 56.5 84.7#





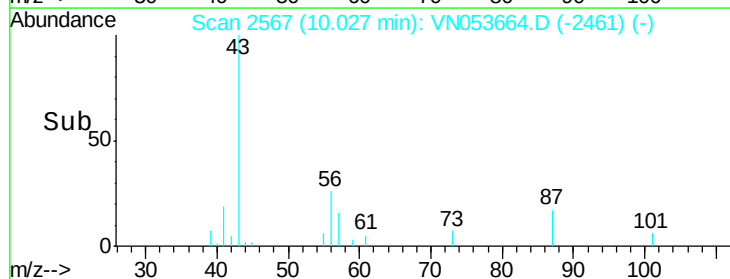
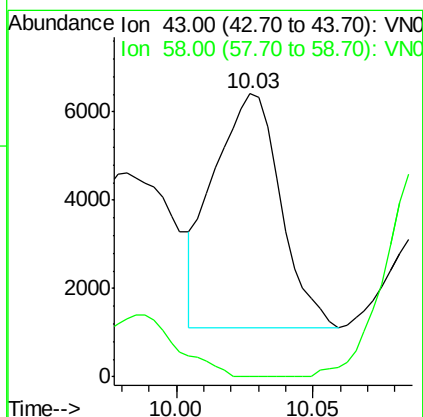
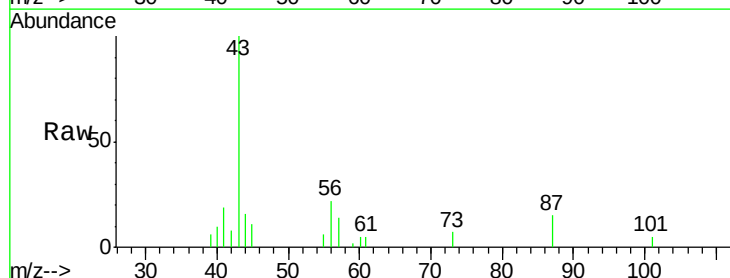
#50  
Toluene-d8  
Concen: 41.106 ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

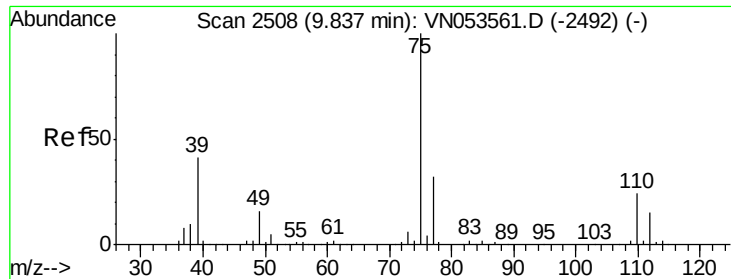
Tot Ion: 98 Resp: 1489212  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.527 ug/l  
RT: 10.03 min Scan# 2567  
Delta R.T. 0.04 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion: 43 Resp: 9033  
Ion Ratio Lower Upper  
43 100  
58 0.0 32.8 49.2#





#54

cis-1,3-Dichloropropene

Concen: 5.532 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

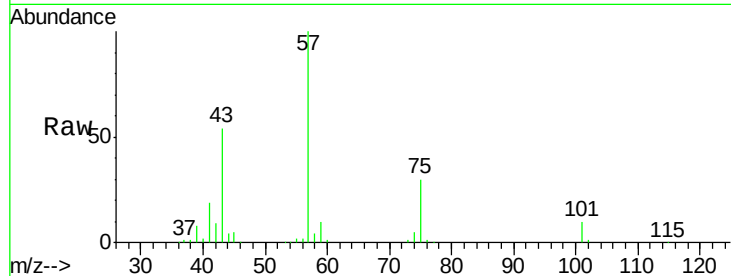
Tot Ion: 75 Resp: 72425

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.6#

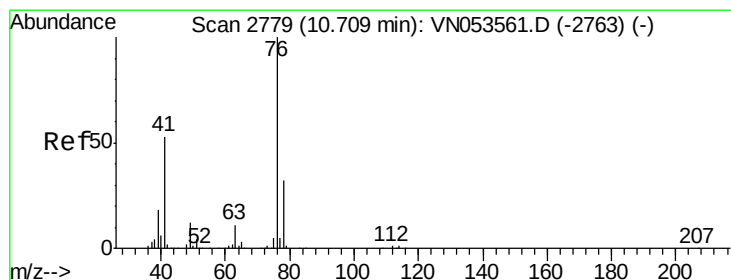
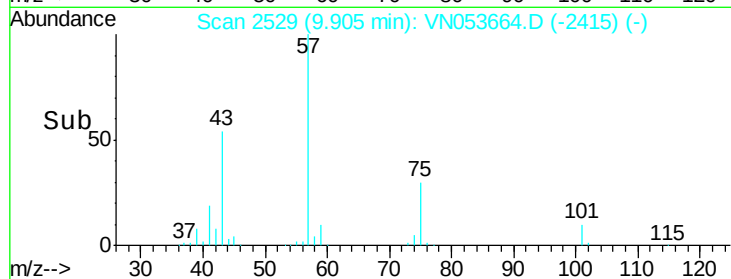
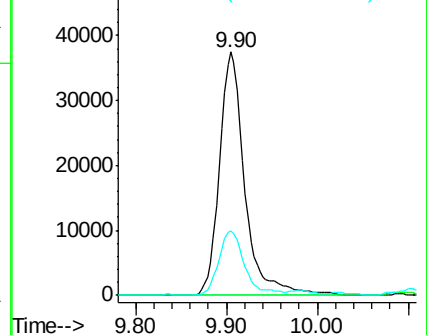
39 26.6 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.204 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053664.D

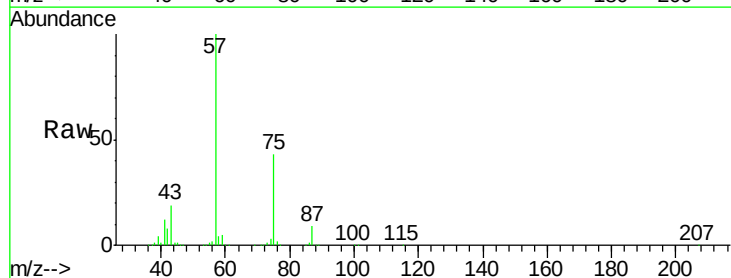
Acq: 7 Feb 2019 19:00

Tgt Ion: 76 Resp: 15140

Ion Ratio Lower Upper

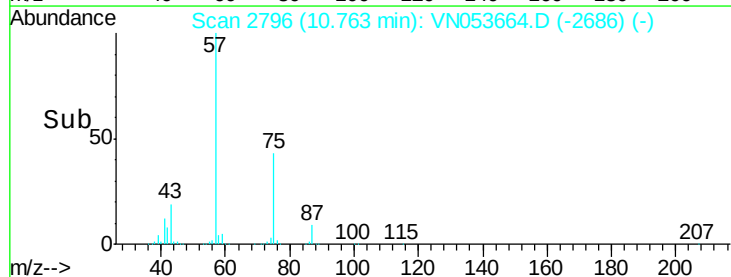
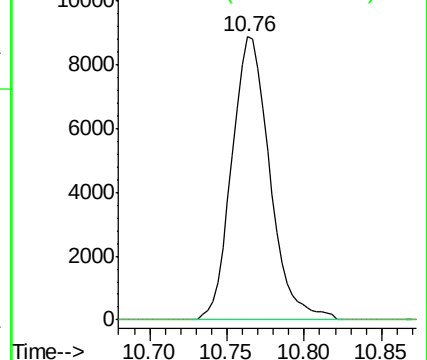
76 100

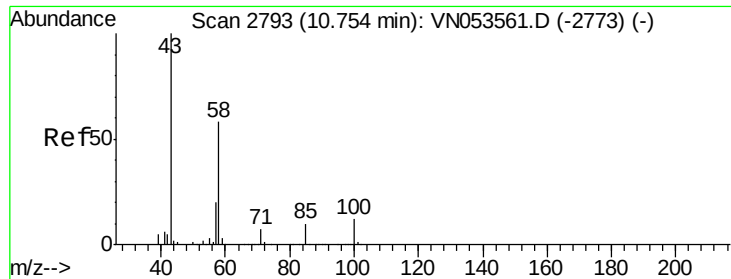
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

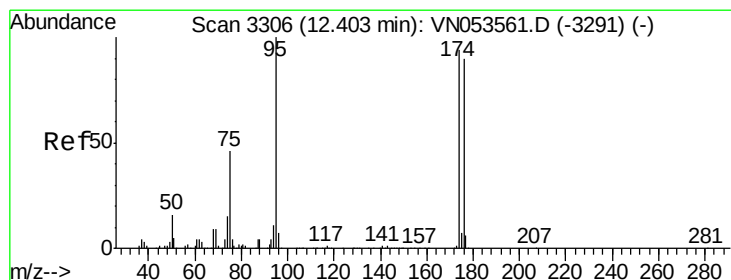
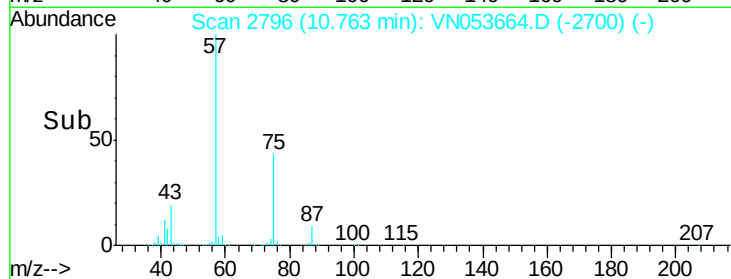
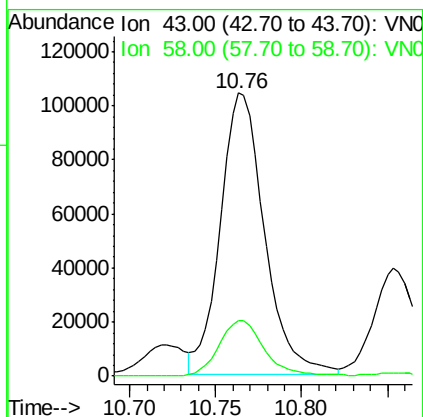
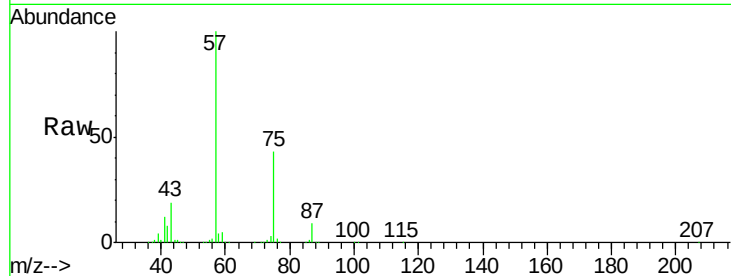
Ion 77.90 (77.60 to 78.60): VN0





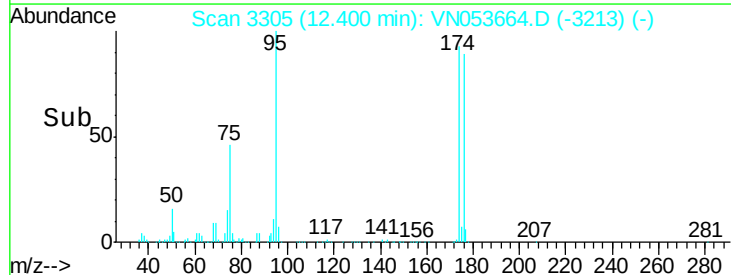
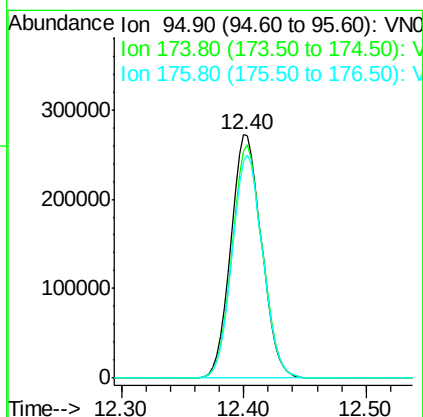
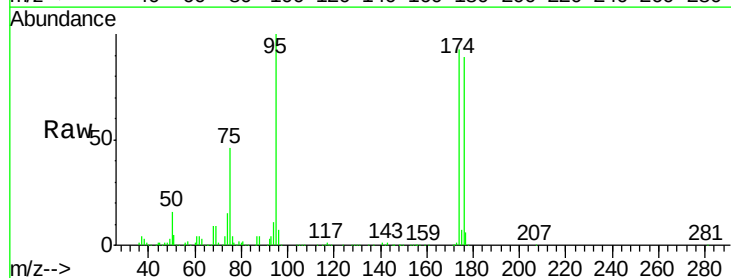
#59  
2-Hexanone  
Concen: 46.608 ug/l  
RT: 10.76 min Scan# 2796  
Delta R.T. 0.01 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tot Ion: 43 Resp: 187164  
Ion Ratio Lower Upper  
43 100  
58 20.4 28.6 85.8#

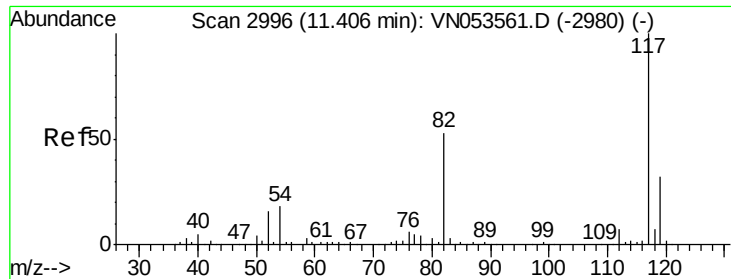


#62  
4-Bromofluorobenzene  
Concen: N.D. ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. -0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion: 95 Resp: 475743  
Ion Ratio Lower Upper  
95 100  
174 94.5 0.0 183.2  
176 91.1 0.0 177.4

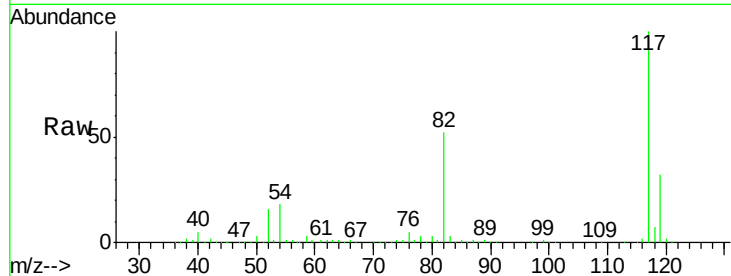




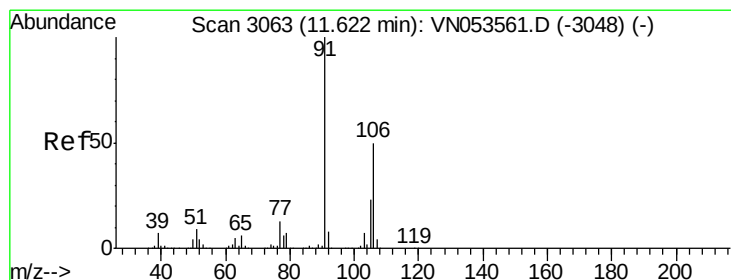
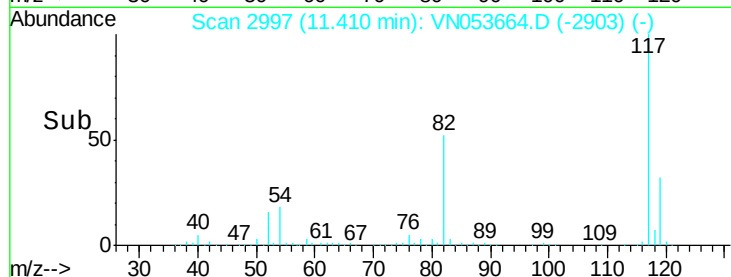
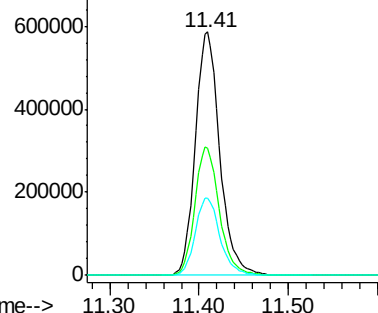


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2997  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tot Ion:117 Resp: 1108901  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.9 64.3  
119 32.0 26.0 39.0

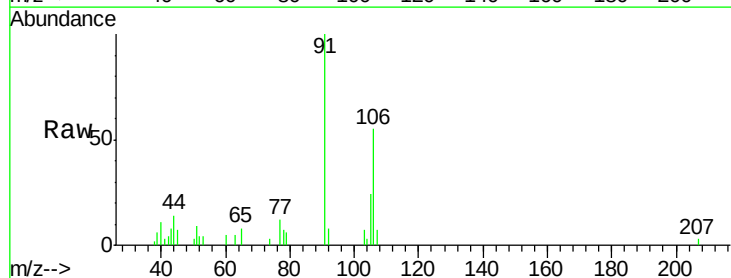


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VN0  
Ion 118.90 (118.60 to 119.60): V

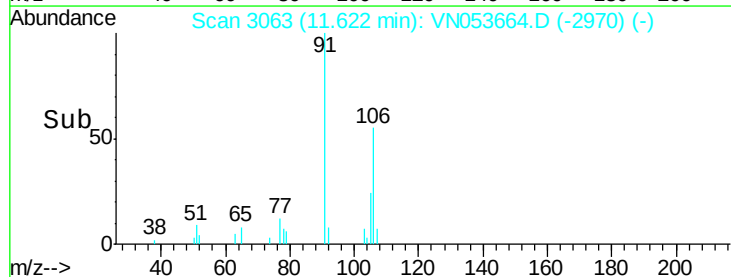
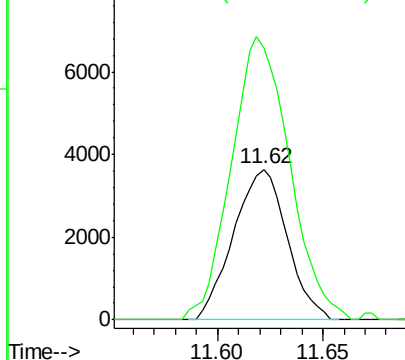


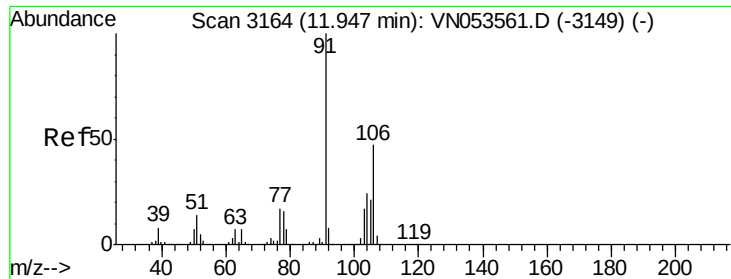
#68  
m/p-Xylenes  
Concen: 0.434 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion:106 Resp: 6414  
Ion Ratio Lower Upper  
106 100  
91 204.6 161.4 242.2



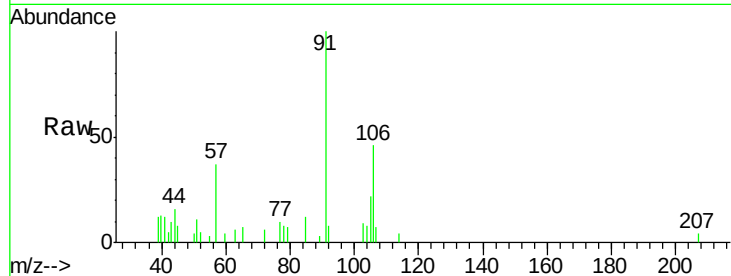
Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VN0



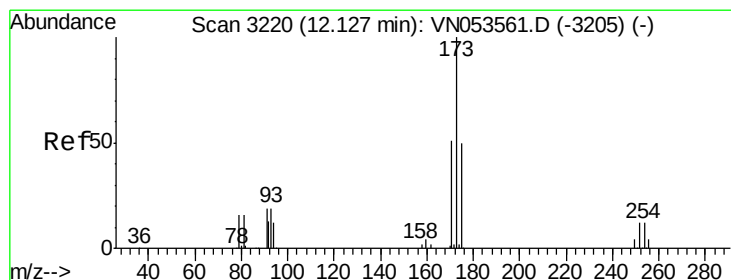
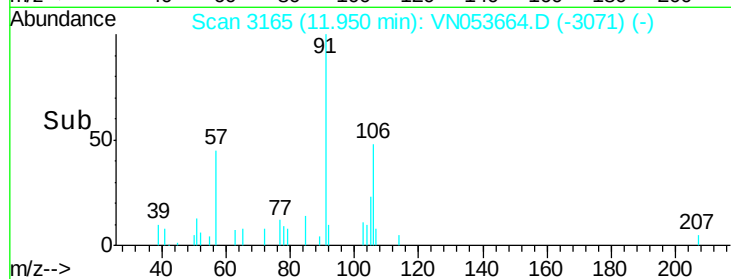
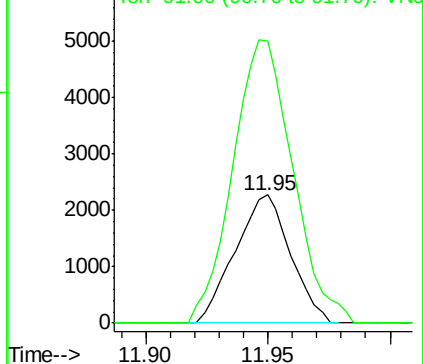


#69  
o-Xylene  
Concen: 0.250 ug/l  
RT: 11.95 min Scan# 3165  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tot Ion:106 Resp: 3563  
Ion Ratio Lower Upper  
106 100  
91 240.0 106.9 320.8

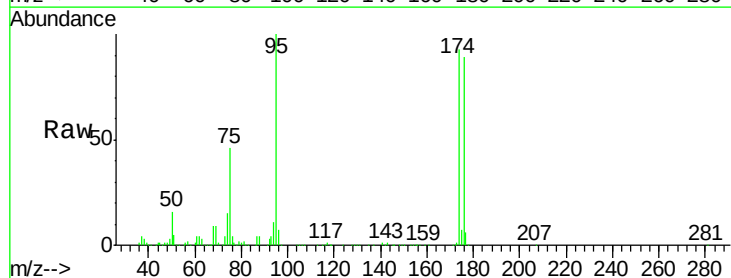


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): V

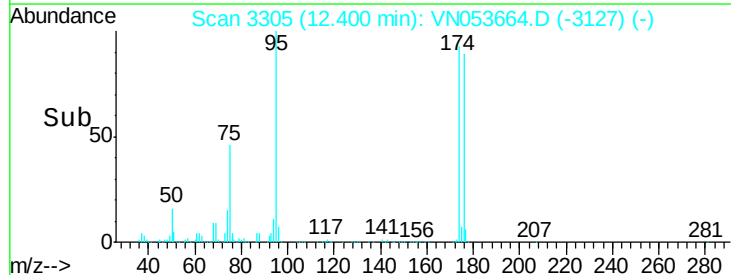
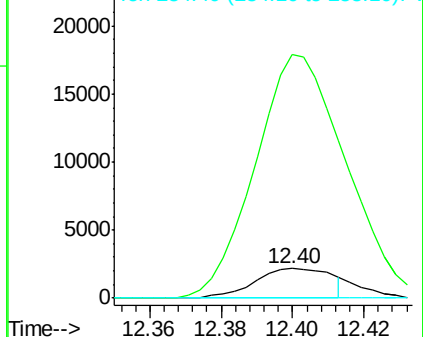


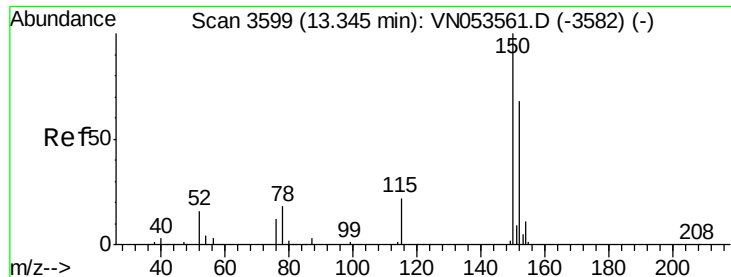
#71  
Bromoform  
Concen: 0.574 ug/l  
RT: 12.40 min Scan# 3305  
Delta R.T. 0.27 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion:173 Resp: 3239  
Ion Ratio Lower Upper  
173 100  
175 807.0 24.6 74.0#  
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V

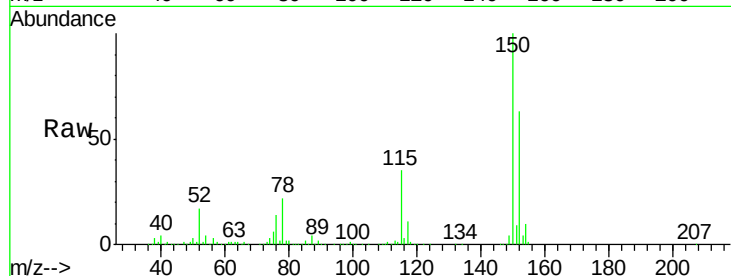




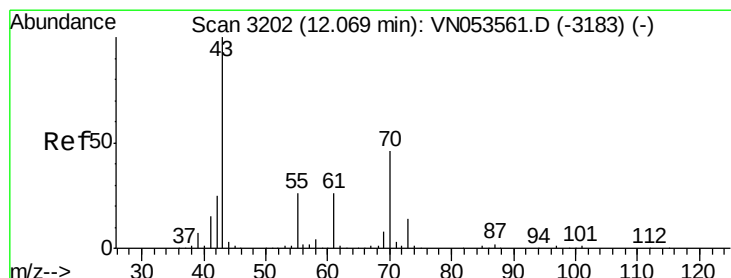
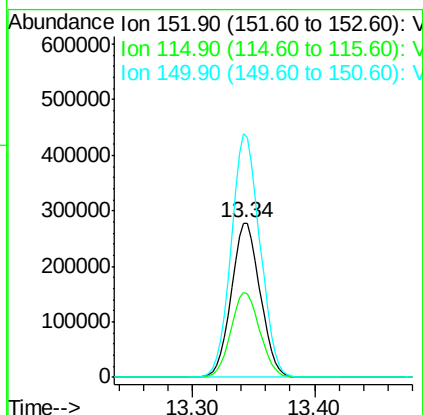
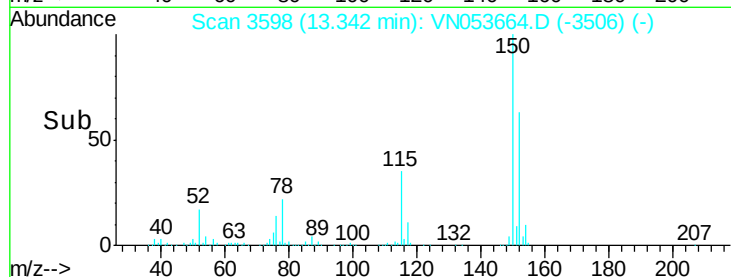
#72

1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. -0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 55.6  | 27.8  | 83.4  |
| 150     | 157.3 | 0.0   | 349.0 |



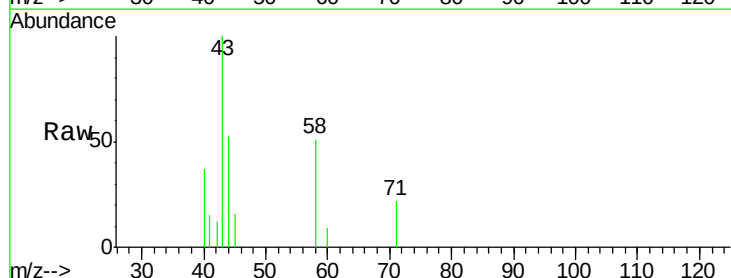
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



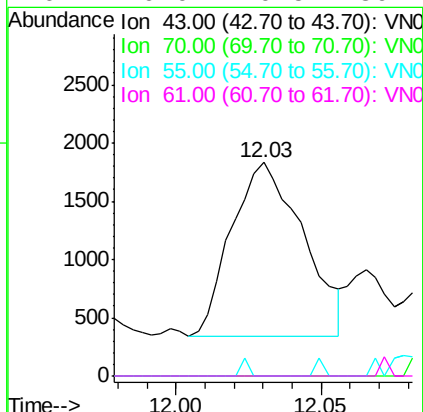
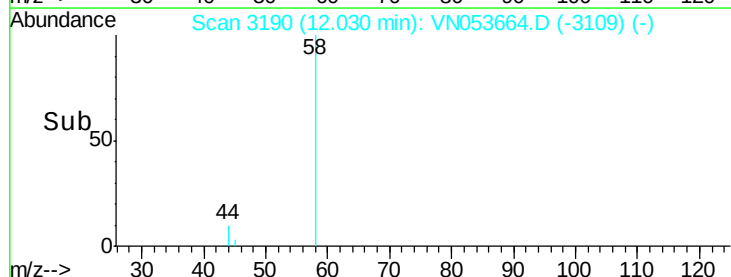
#74

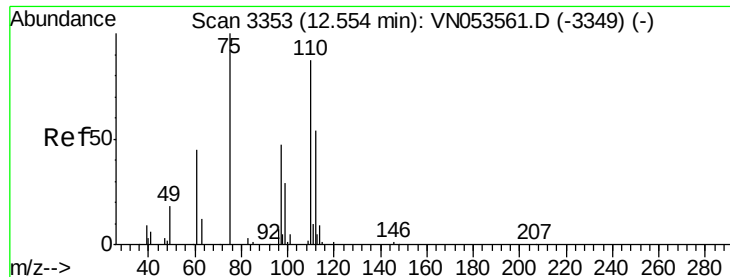
N-ethyl acetate  
Concen: 0.330 ug/l  
RT: 12.03 min Scan# 3190  
Delta R.T. -0.04 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 70      | 0.0   | 35.4  | 53.2# |
| 55      | 0.0   | 20.9  | 31.3# |
| 61      | 0.0   | 20.5  | 30.7# |



Abundance Ion 43.00 (42.70 to 43.70): V  
Ion 70.00 (69.70 to 70.70): V  
Ion 55.00 (54.70 to 55.70): V  
Ion 61.00 (60.70 to 61.70): V

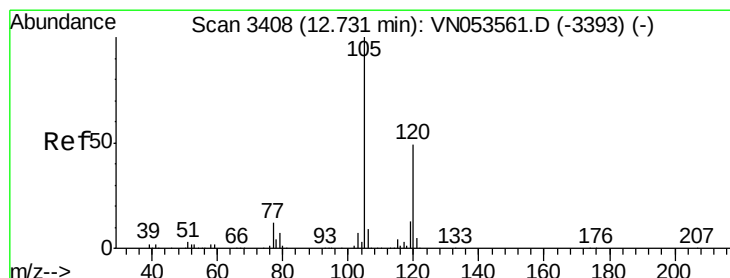
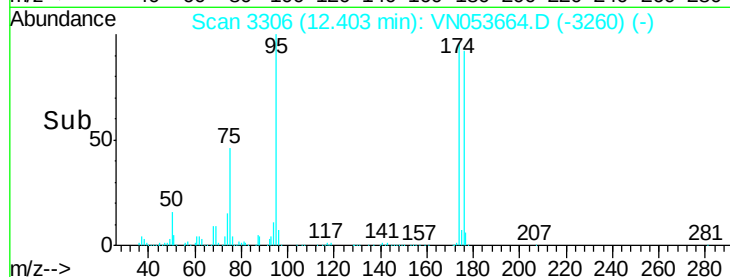
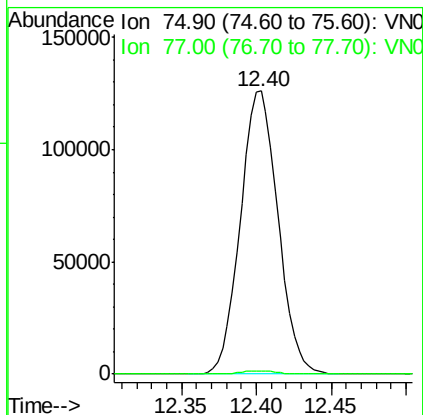
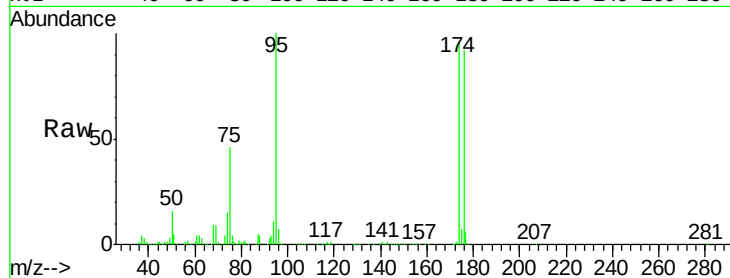




#76

1,2,3-Trichloropropane  
Concen: 37.620 ug/l  
RT: 12.40 min Scan# 3306  
Delta R.T. -0.15 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

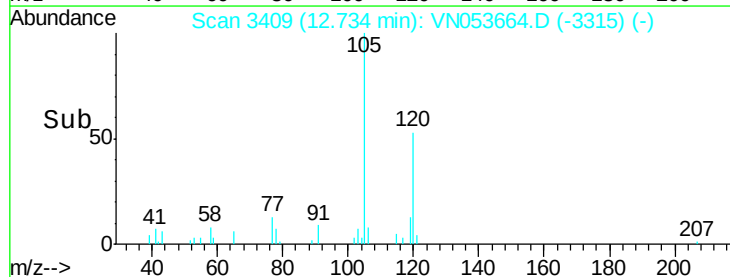
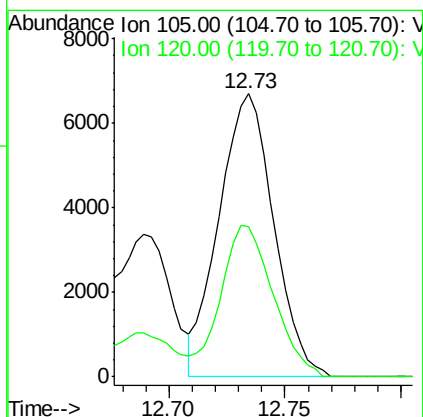
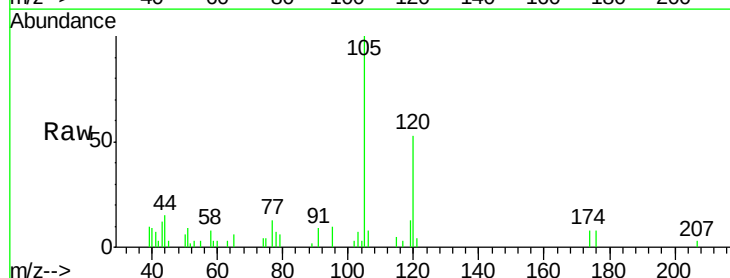
Tot Ion: 75 Resp: 220891  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#

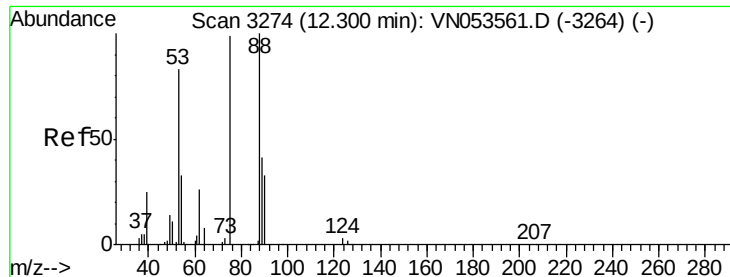


#80

1,3,5-Trimethylbenzene  
Concen: 0.412 ug/l  
RT: 12.73 min Scan# 3409  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion: 105 Resp: 10991  
Ion Ratio Lower Upper  
105 100  
120 51.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 105.785 ug/l

RT: 12.40 min Scan# 3306

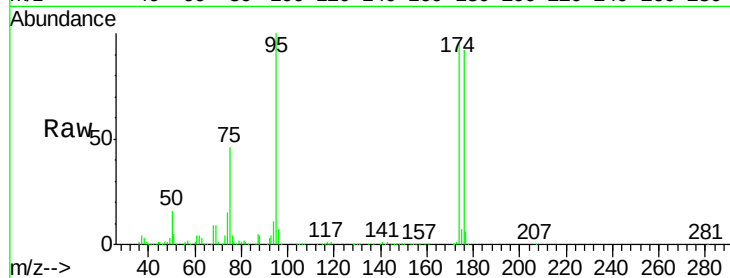
Delta R.T. 0.10 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tot Ion: 75 Resp: 220891

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 75  | 100   |       |        |
| 53  | 0.0   | 69.8  | 104.6# |
| 89  | 0.0   | 35.6  | 53.4#  |



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

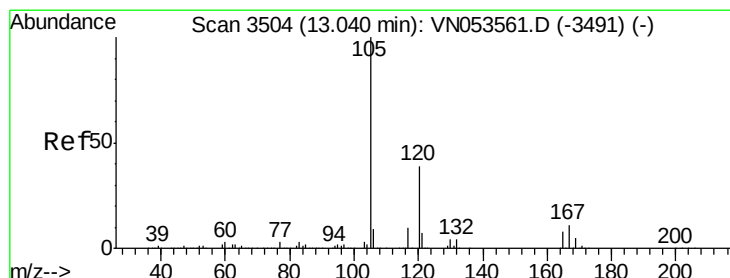
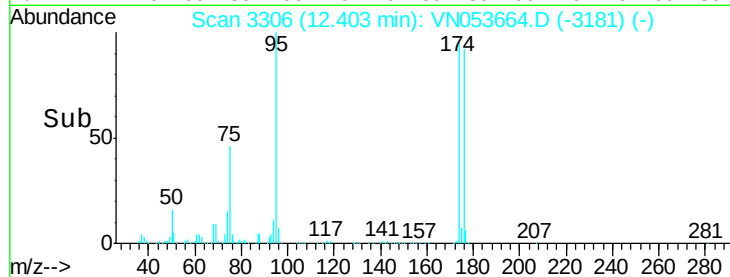
150000

100000

50000

0

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 1.038 ug/l

RT: 13.04 min Scan# 3504

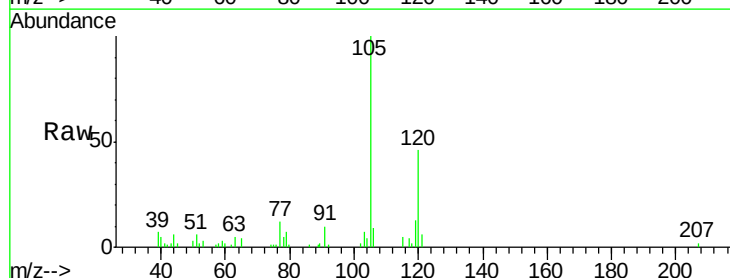
Delta R.T. 0.00 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tgt Ion: 105 Resp: 28195

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 45.9  | 23.0  | 69.0  |



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

20000

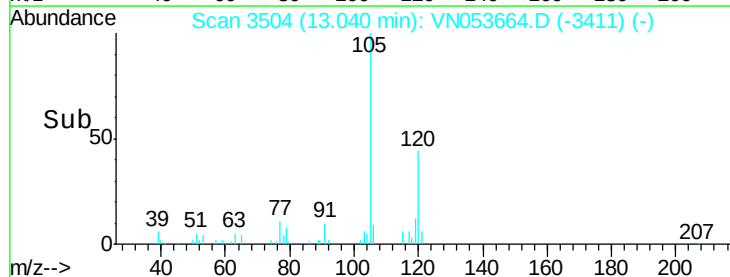
15000

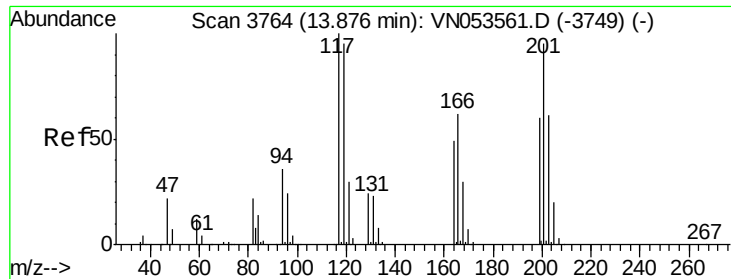
10000

5000

0

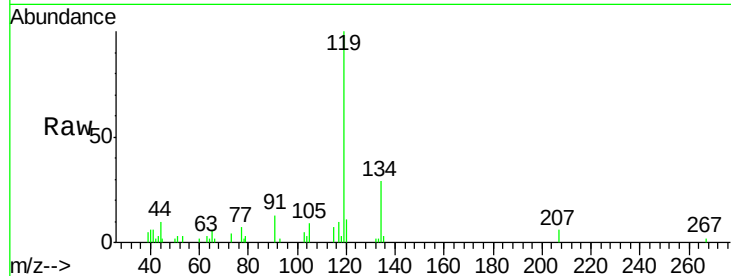
Time-->



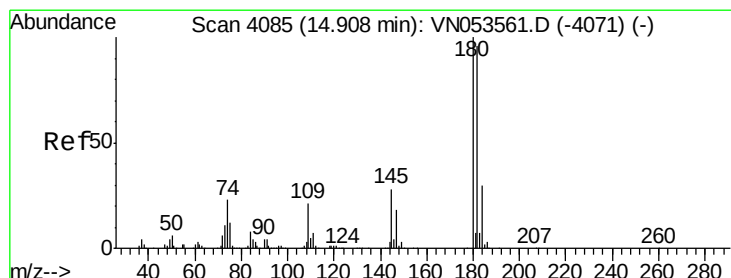
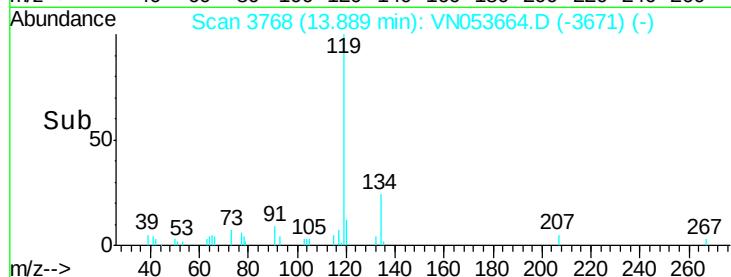
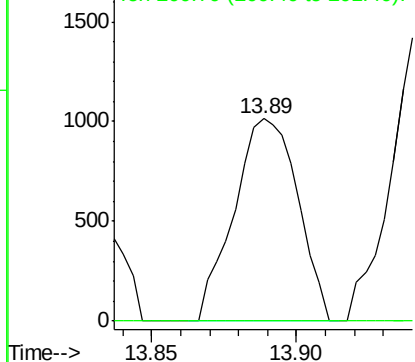


#90  
Hexachloroethane  
Concen: 0.335 ug/l  
RT: 13.89 min Scan# 3768  
Delta R.T. 0.01 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tot Ion:117 Resp: 1548  
Ion Ratio Lower Upper  
117 100  
201 0.0 46.8 140.4#

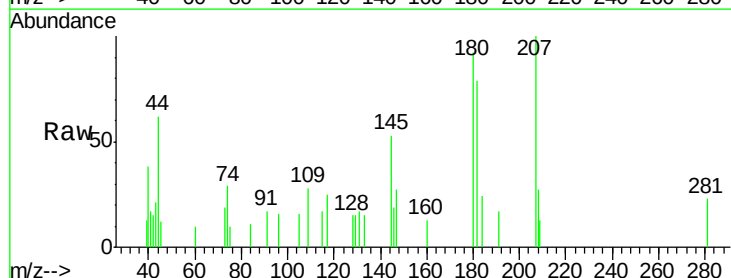


Abundance Ion 116.80 (116.50 to 117.50): V  
Ion 200.70 (200.40 to 201.40): V

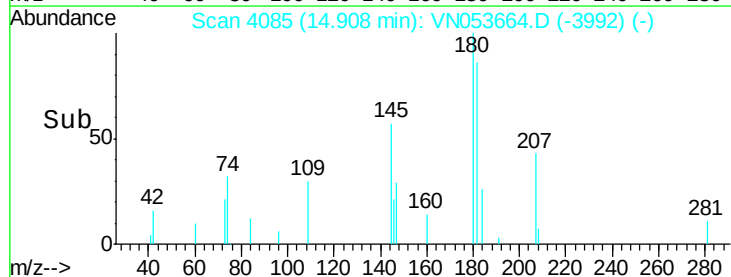
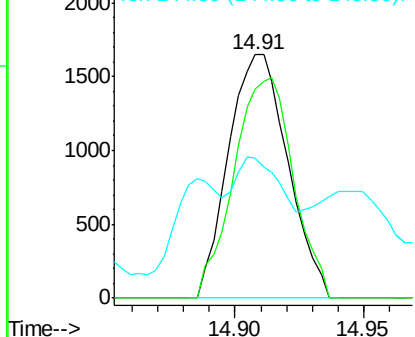


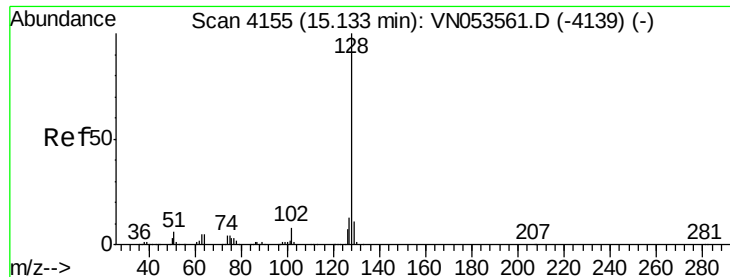
#93  
1,2,4-Trichlorobenzene  
Concen: 0.310 ug/l  
RT: 14.91 min Scan# 4085  
Delta R.T. 0.00 min  
Lab File: VN053664.D  
Acq: 7 Feb 2019 19:00

Tgt Ion:180 Resp: 2646  
Ion Ratio Lower Upper  
180 100  
182 90.7 48.1 144.3  
145 17.9 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V  
Ion 181.80 (181.50 to 182.50): V  
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 12.263 ug/l

RT: 15.13 min Scan# 4155

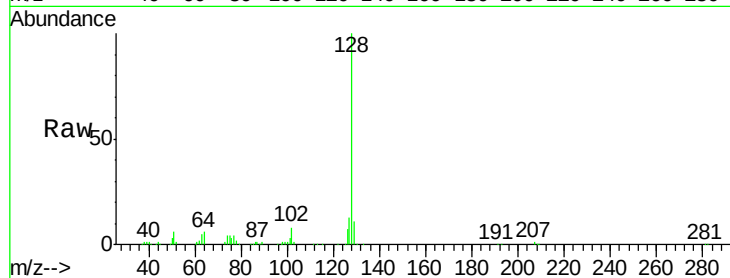
Delta R.T. 0.00 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tot Ion:128 Resp: 218983

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.3  | 15.5  |
| 129 | 11.2  | 8.6   | 13.0  |



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

15.13

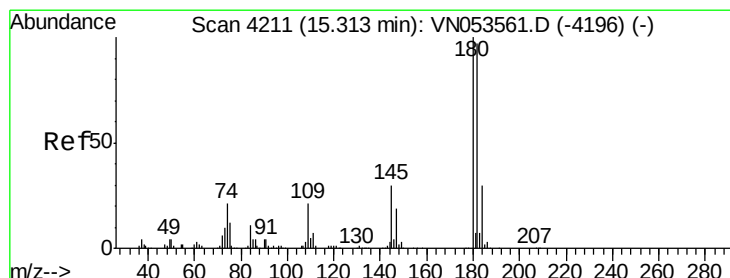
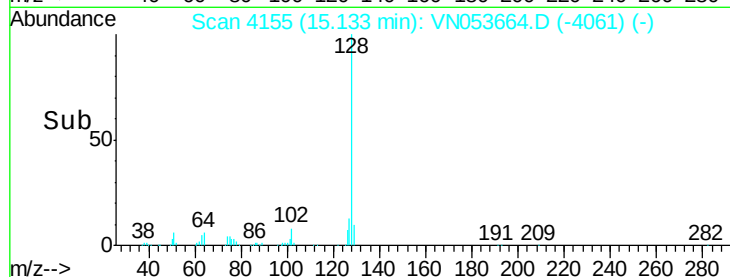
100000

50000

0

Time-->

15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 0.379 ug/l

RT: 15.31 min Scan# 4211

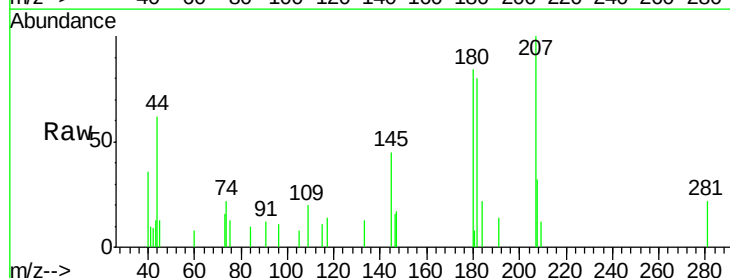
Delta R.T. 0.00 min

Lab File: VN053664.D

Acq: 7 Feb 2019 19:00

Tgt Ion:180 Resp: 3007

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.7  | 47.9  | 143.8 |
| 145 | 44.3  | 14.7  | 44.1# |



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.31

2000

1500

1000

500

0

Time-->

15.25 15.30 15.35

