A. Agilent MassHunter GCMS

1. Double Click on Mass hunter icon.

2. Give a couple minutes for window to populate as below.
3. Under Method, Choose **Edit Entire Method** or **Load Method** if Method is already created.
4. You can check off what you want to edit and hit OK.

5. This allows for method comments
6. For Injection Source, choose **GC ALS** when using autosampler and **manual** if manually injecting.

7. This section is for **GC** portion of method.
   a. **Front Injector**-Add amount of injection up to 10 ul

- **GC ALS for autosample**
- **Manual if injecting manually a gas**
- **How much to inject**
- **TABS**
b. Inlets-Split and Splitless Inlet
   i. Inlet Temperature
   ii. Splitless—Entire injection amount goes onto column
   iii. Split—Enter ratio of amount of splitting, so less sample will go onto column
c. **Columns** - Be sure correct column is chosen

![Columns](image)

- Create Ramp Rate, Hold times, and final Temperature

![Create Ramp Rate, Hold times, and final Temperature](image)

d. **Oven** - Set up Heating ramp and rate. Be sure not to exceed top temperature of your column. Do not exceed top value of column.

![Oven](image)
e. Don’t need to worry about Rest of tabs, so hit **OK** down the bottom

8. **Single quad MS method editor**
   a. Display Signal-Just hit **OK**.
b. Choose: **Scan**, SIM or SIM and Scan. Scan is the most useful, as you can look for all MW in the range you decide.

c. **Scan**-Choose Start Mass and End Mass

d. **SIM**-Add SIM MW
9. **Select Monitors** - No need to change, just choose **OK**.

10. **Arrange Monitors** - It doesn’t matter what you chose, yes or no.
11. **Save Method as** - Be sure to know where you put your data: D:\MassHunter\GCMS\Methods

![Save Method As dialog box]

12. If you change your method, always be sure to save changes by going under Method, and choose, "Save Method As."

![Method menu]

**Note:** Always ensure you save your changes to the correct path to avoid losing your data.
13. **Sequence**-
   
a. Under Sequence, choose **Edit Sequence** to create sequence table

![Sequence Table Image]

b. Check: **Name, Vial, Method Path, Method File, Data File** for each sample
c. When complete go under **Sequence** and choose **Save Sequence As**.

![Sequence menu with Save Sequence As highlighted](image)

**c.** When complete go under **Sequence** and choose **Save Sequence As**.

![Sequence menu with Save Sequence As highlighted](image)

d. Under **Sequence**, choose **Run Sequence** when ready to run samples.

![Sequence menu with Run Sequence highlighted](image)

**d.** Under **Sequence**, choose **Run Sequence** when ready to run samples.
e. Click on **Run Sequence** at the bottom. If manually injecting, another window will open to hit run when you inject manually.