**Rubric for** **Laboratory #7**

**Gas Chromatography/Mass Spectroscopy: Part 1 (GC/MS)**

**\_\_\_2 industry standard followed.** Subsections titled

**\_\_\_/2 Purpose**

 **\_\_\_\_complete sentences.**

 **\_\_\_\_ focus on unknown determination is clear**

**\_\_\_/7 Data/Observations**

 **\_\_\_ Table 1: Method parameters**

 **\_\_\_ Diagram of GC thermal ramp schedule**

**\_\_\_ file name of method**

 **\_\_\_ Hard Copy of Ion count vs time (GC scan) with address and peak ID**

 **\_\_\_ summary peak table and address of data file with run**

**\_\_\_/4 Calculations and Analysis**

 **\_\_\_ Table 2: component retention times vs ion count**

 **\_\_\_ Table 3.4: assignment of mass fragments for component 1,2…**

 **\_\_\_sensible fragment ID consistent with chemistry**

**\_\_\_\_/10 Conclusions**

 **\_\_\_retention time, ID of each component in a table**

 **\_\_\_ ID of unknown components correct**

**Rubric for** **Laboratory #7**

**Gas Chromatography/Mass Spectroscopy: Part 1 (GC/MS)**

**\_\_\_2 industry standard followed.** Subsections titled

**\_\_\_/2 Purpose**

 **\_\_\_\_complete sentences.**

 **\_\_\_\_ focus on unknown determination is clear**

**\_\_\_/7 Data/Observations**

 **\_\_\_ Table 1: Method parameters**

 **\_\_\_ Diagram of GC thermal ramp schedule**

**\_\_\_ file name of method**

 **\_\_\_ Hard Copy of Ion count vs time (GC scan) with address and peak ID**

 **\_\_\_ summary peak table and address of data file with run**

**\_\_\_/4 Calculations and Analysis**

 **\_\_\_ Table 2: component retention times vs ion count**

 **\_\_\_ Table 3.4: assignment of mass fragments for component 1,2…**

 **\_\_\_sensible fragment ID consistent with chemistry**

**\_\_\_\_/10 Conclusions**

 **\_\_\_retention time, ID of each component in a table**

 **\_\_\_ ID of unknown components correct**