

and standard entropy changes of various compounds from GC temperature dependent data.

Materials:

LabQuest ~~or~~ for

LabQuest App or Logger pro

Vernier Mini GC

1 mL glass microsyringe

Kimwipes or paper towel

Vial of acetone for cleaning

3 small beaker

2 - butanone

2 - pentanone

4 - methyl-2-pentanone

DATA TABLE:

Solution 1: Acetone + 2-Butanone

Temperature (°C)	Retention time for standard compound	Retention time for test compound
40	2.015	2.630
55	1.790	2.145
70	1.600	1.870
85	1.645	1.825
100	1.480	1.645
115	2.625	2.795