

LABORATORY #5_Volatile Organic Compounds Testing in Forensic Context

LAB #5_Worksheet 1

- 1) Draw structure of all compounds from this video.
- 2) List boiling points of all compounds tested.
- 3) Use NIST chemistry webbook: <https://webbook.nist.gov/chemistry/>, to find more information about the compounds.

LAB #5_Worksheet 2

- 1) Plot data provided.
- 2) Compare chromatograms of samples tested.
- 3) Determine retention time for each sample.

LAB #5_Worksheet 3

- 1) Identify 2 cases from CanLII which mention gas chromatography.
- 2) In the cases, what drugs or metabolites were tested using gas chromatography?
- 3) What information was provided from such analysis (concentrations, yes/no, confirmation of structure, standard or reference comparison)?