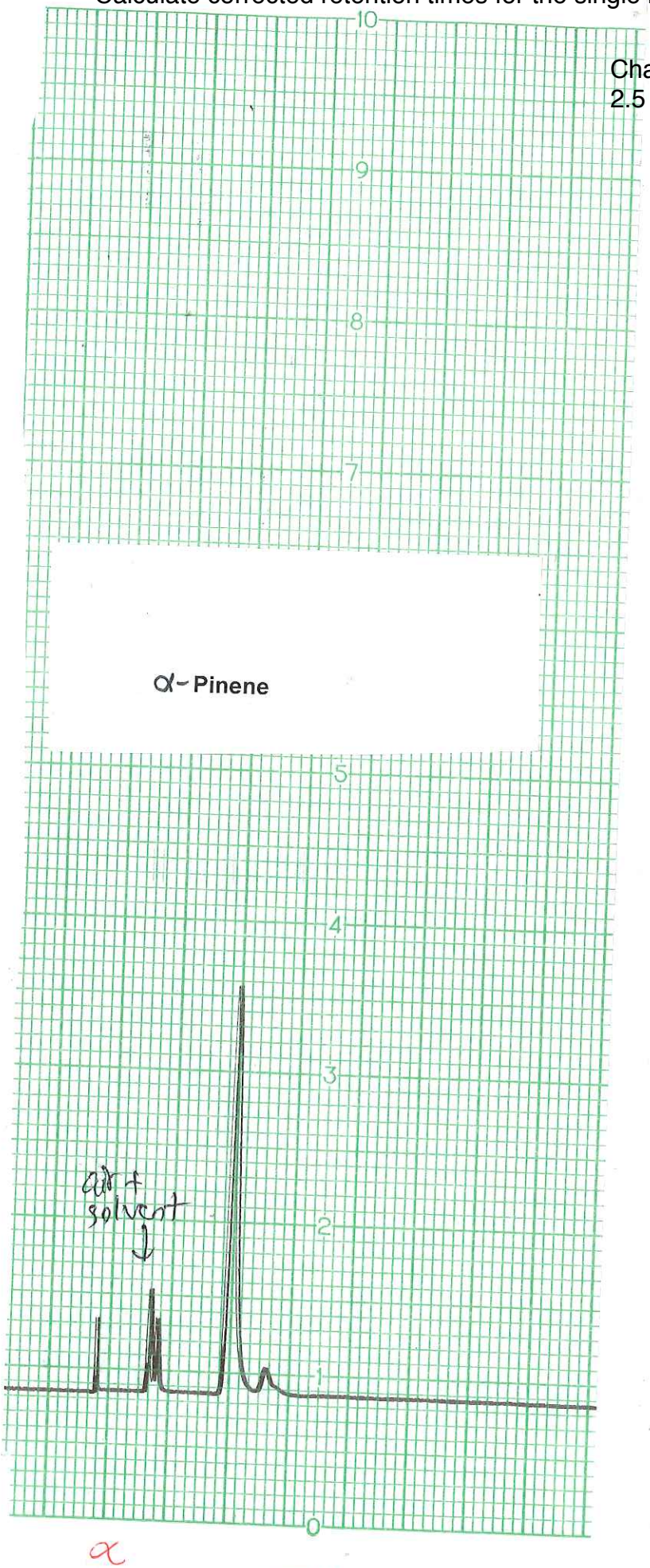
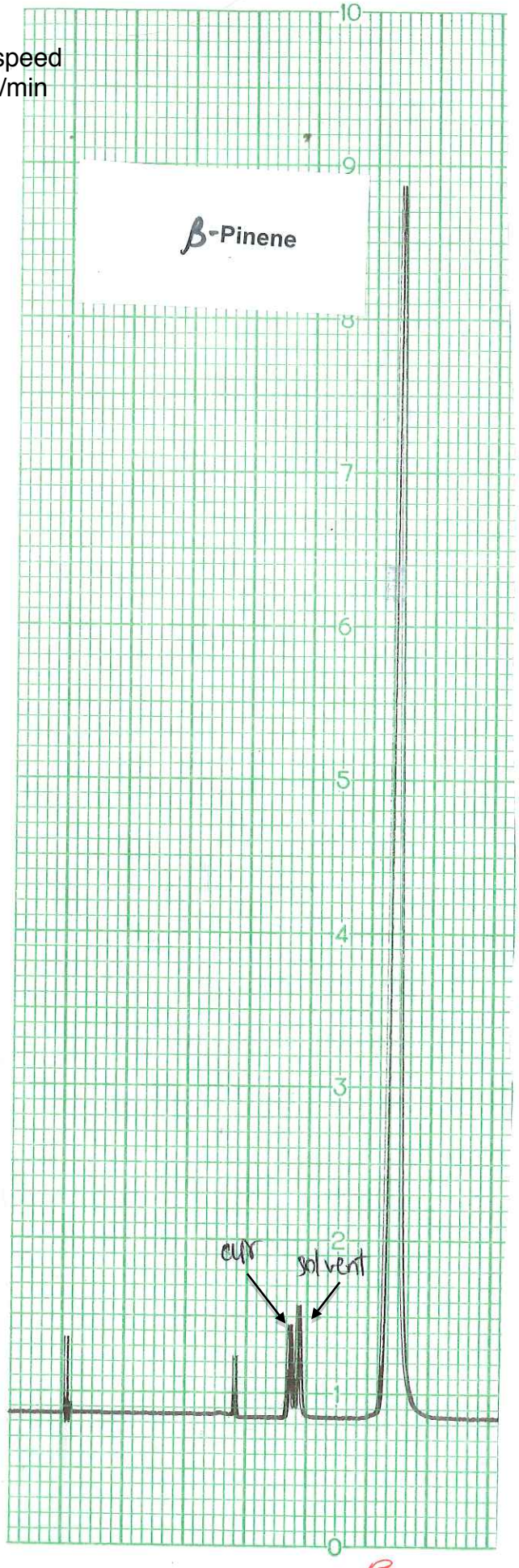
Calculate corrected retention times for the single major peak in each chromatogram.

Chart speed
2.5 cm/min



α



β

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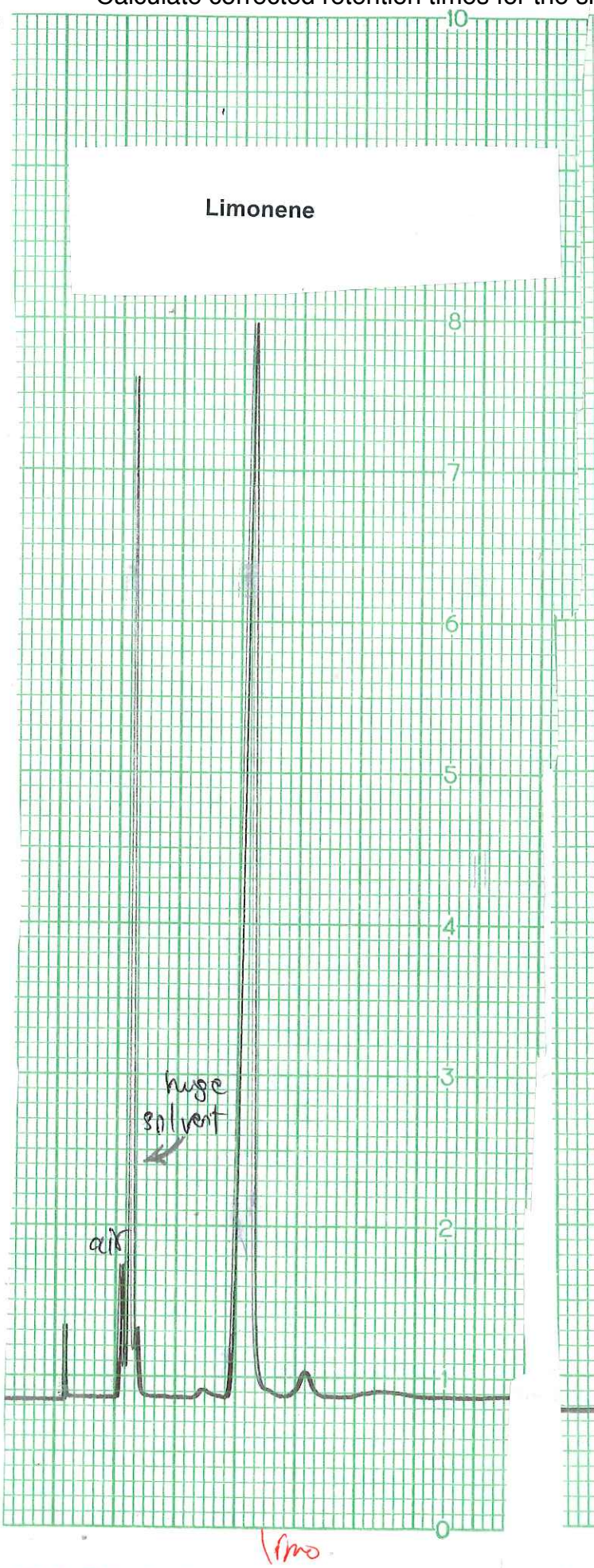
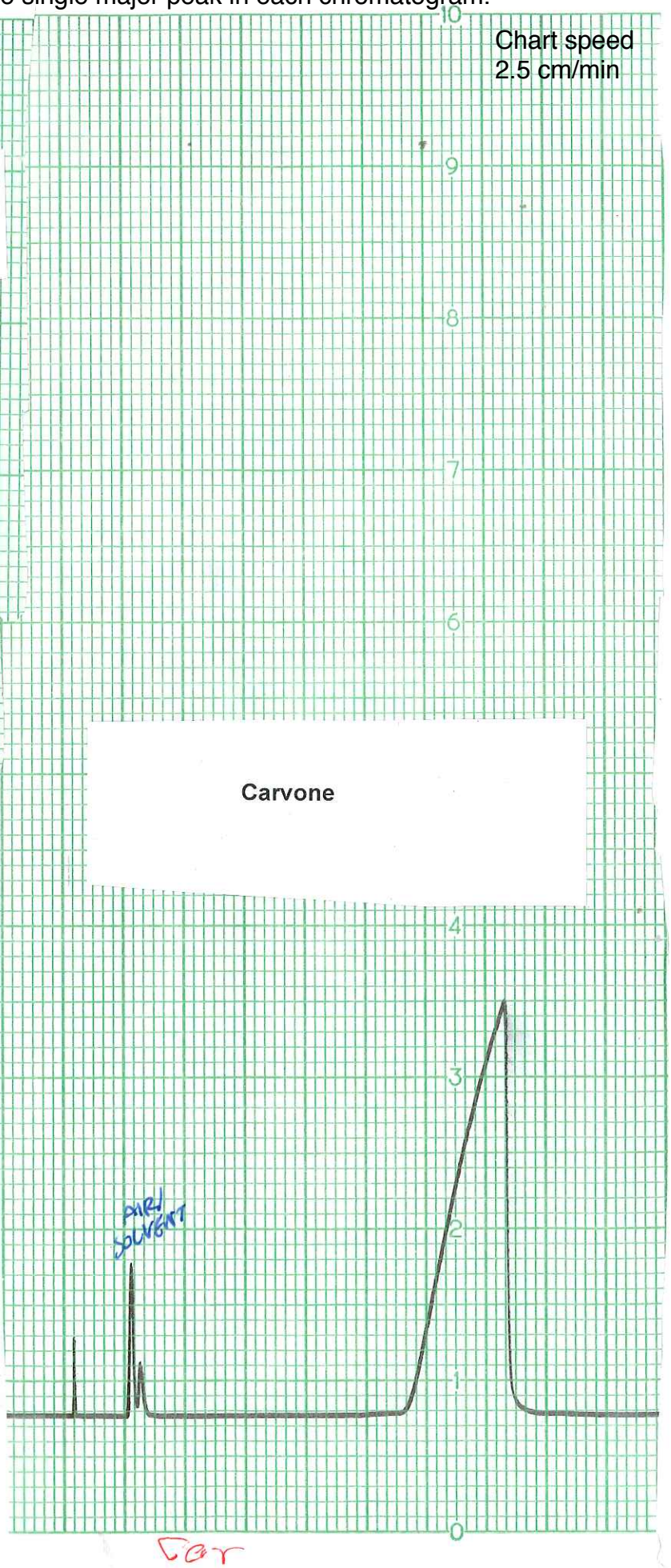
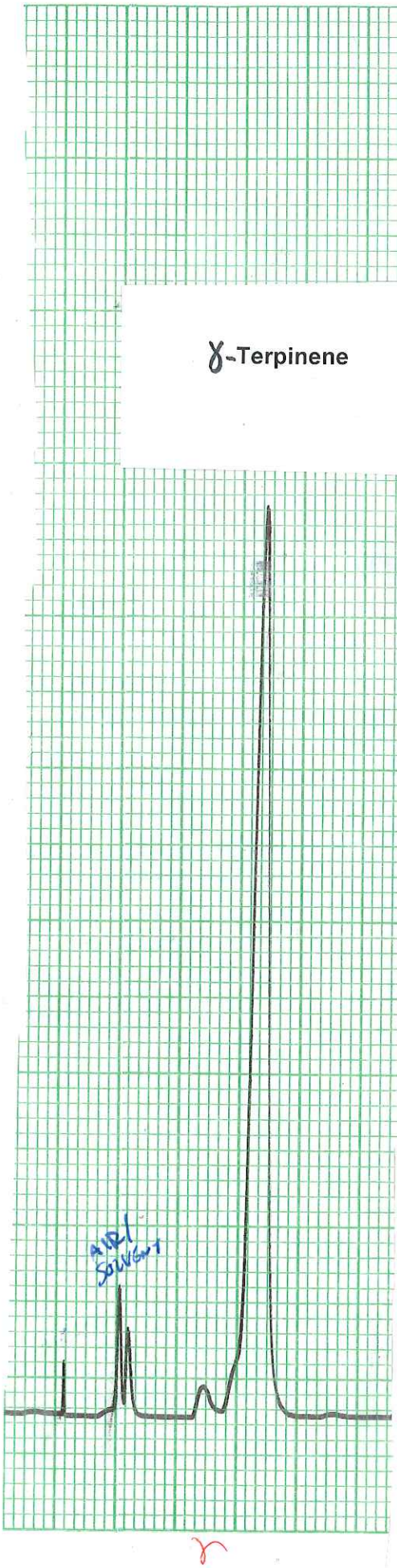
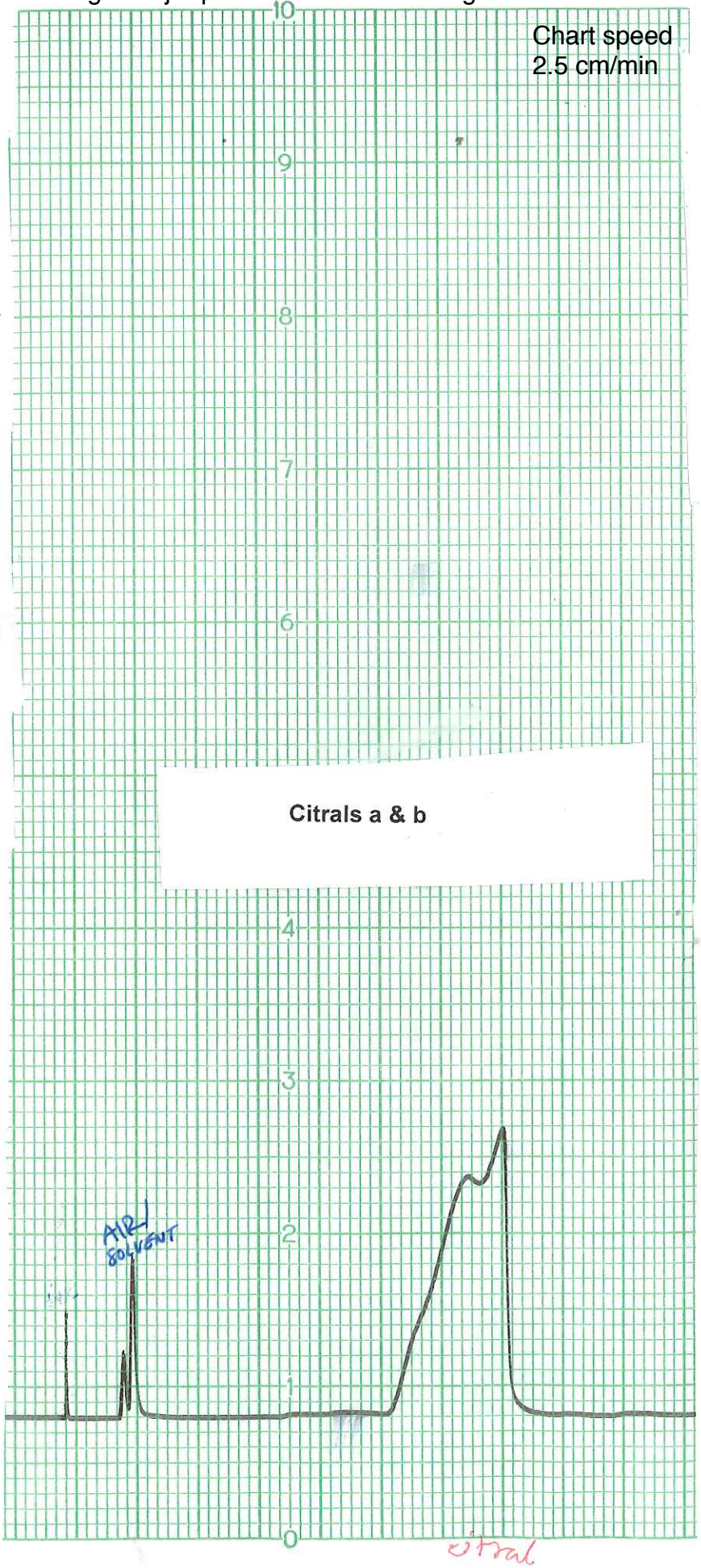
Calculate corrected retention times for the single major peak in each chromatogram.



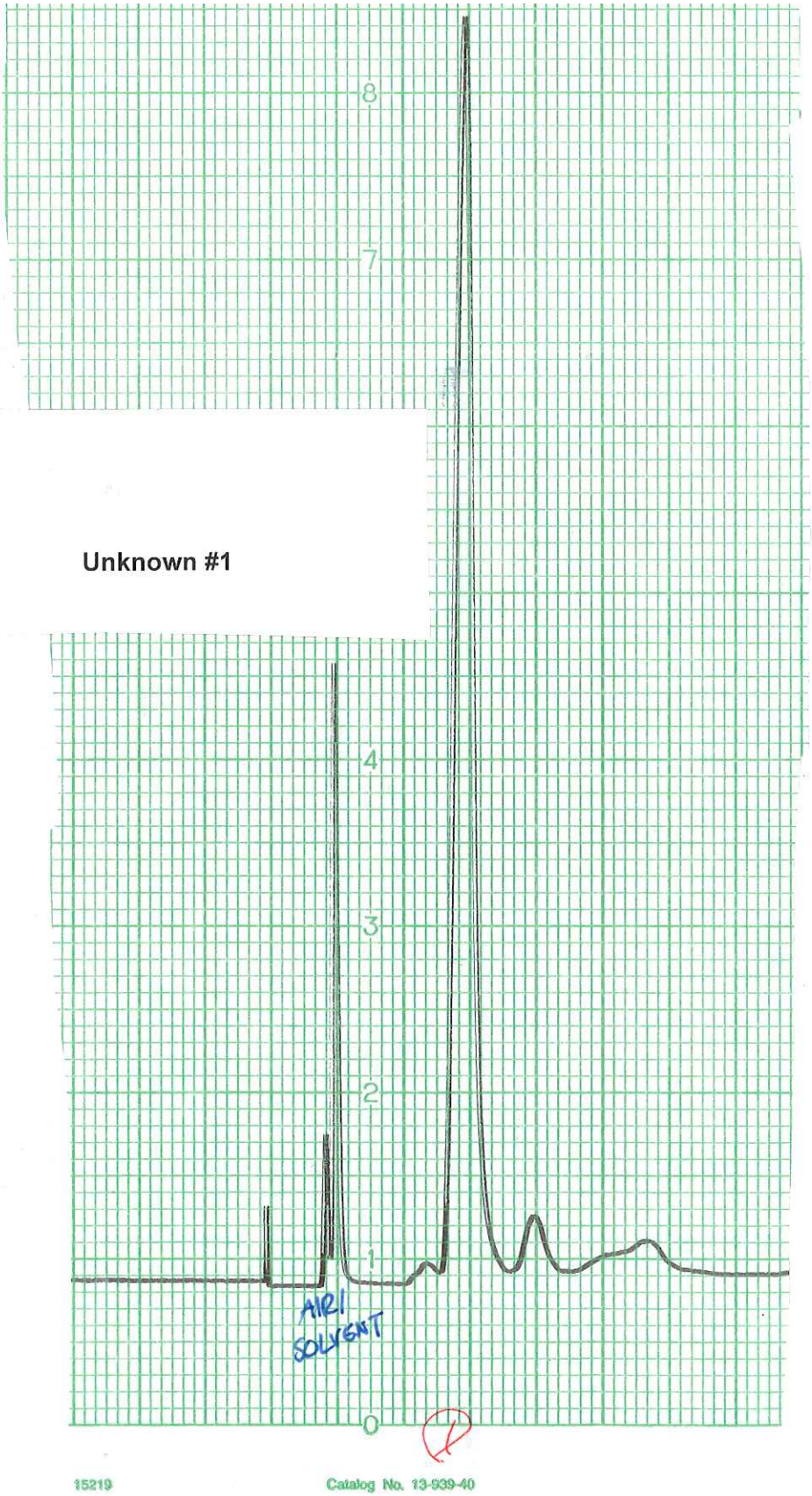


Calculate corrected retention times for the single major peak in each chromatogram.





-For each peak in citrus oil (unknown #1),
calculate the corrected retention time and area under the curve.
-Match as many peaks as possible to standards using retention times
(you will not be able to identify every peak, as is the case in many real world applications!)
- Calculate percent composition of each component in the oil,
including the unidentified peaks.
- How could you definitively determine which peak is which, if you were running the GC's yourself?



An additional (simpler) example of an essential oil is given below.
- Calculate corrected retention times for both peaks.
- Match both peaks to standards
- Calculate the area under the curve for each peak.
- Calculate percent composition of each component.