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NMR is

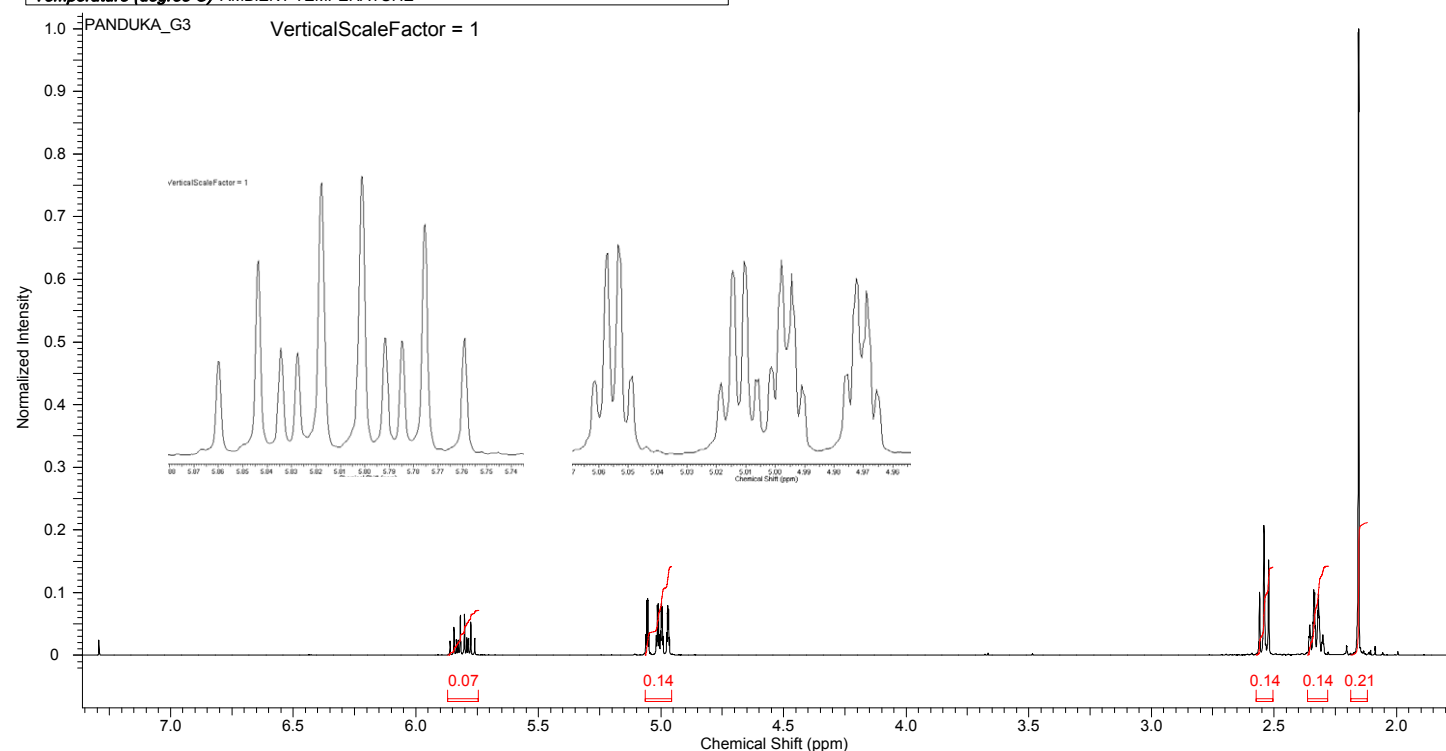
Art

Allyl acetone (5-hexen-2-one)

2/19/2013 2:38:35 PM

Panduka Piyaratne

Acquisition Time (sec)	3.7440	Comment	nmr1_08Feb2013-14:32:42 Data saved in: Oxford:/export/home/nmr1/vnmrsys/data			Date	Feb 8 2013
Date Stamp	Feb 8 2013	File Name	C:\Drive DIU MAINE Docs\Sample G-3\PANDUKA_G3.fid\fid				
Frequency (MHz)	399.96	Nucleus	1H	Number of Transients	32	Original Points Count	23958
Points Count	262144	Pulse Sequence	s2pul	Receiver Gain	42.00	Solvent	CHLOROFORM-d
Spectrum Offset (Hz)	2421.2686	Spectrum Type	STANDARD	Sweep Width (Hz)	6398.98		
Temperature (degree C)	AMBIENT TEMPERATURE						

*Allyl acetone (5-hexen-2-one)***Panduka Piyaratne, 2013**

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Field strength: 400 MHz**Why is this your favorite spectrum?**

This compound gives a very nice proton NMR that shows a number of splitting patterns. Particularly, its alkene proton splitting is symmetric and well resolved. According to the literature, this compound is widely used in flavoring agents and cosmetic fragrance agents.

This was one of the early and less complicated NMRs I dealt with, when I took an organic structure elucidation class a few years ago.