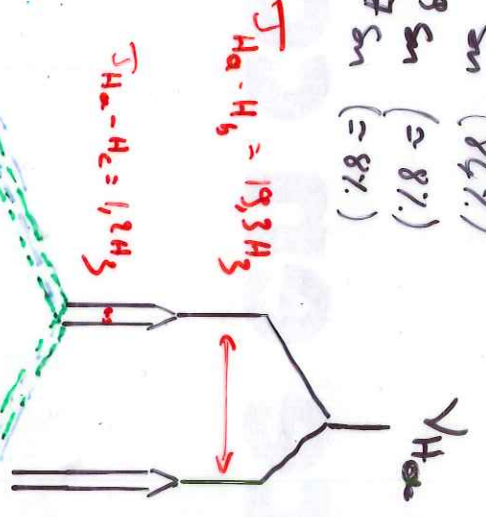
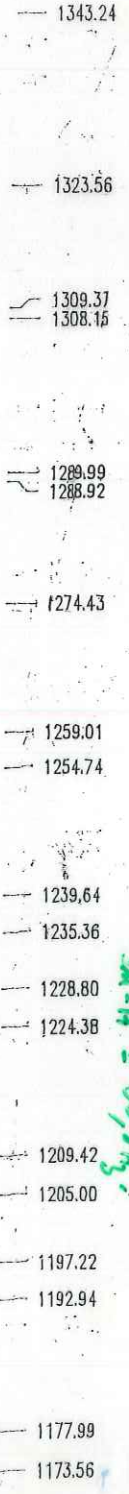
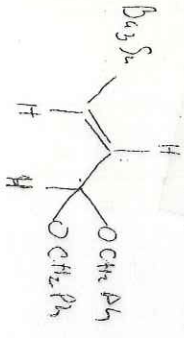
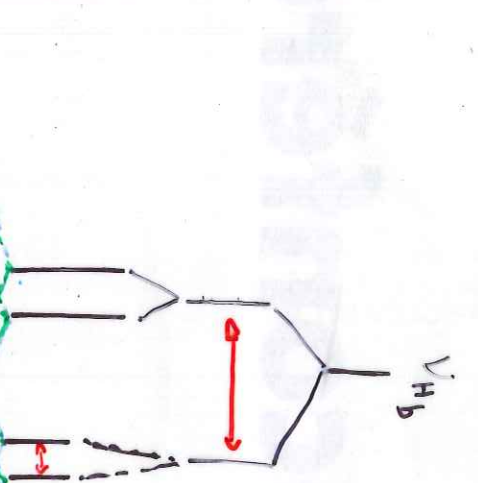


Noir = n_H avec $10 S_m$ (84%)
 Bleu = n_H avec $119 S_m$ (= 8%)
 Vert = n_H avec $117 S_m$ (= 8%)

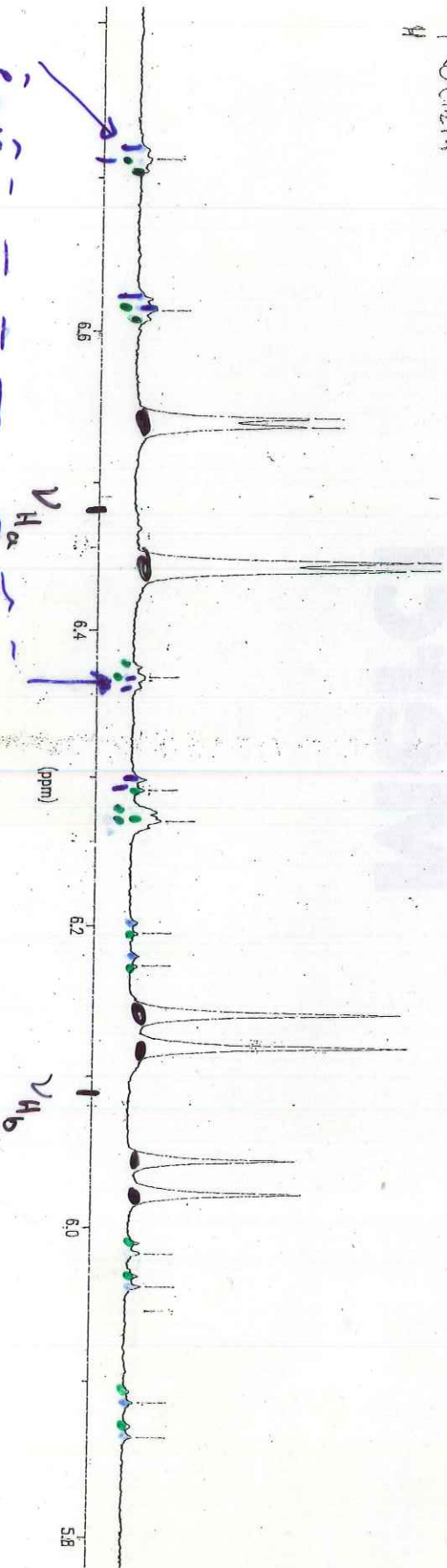
Vinylétain benzylé



$2 J_{S_m-H} = 60,9 \text{ Hz}$
 $J_{S_m-H} = 30,45 \text{ Hz}$



$3 J_{S_m-H} = 60,9 \text{ Hz}$
 $J_{S_m-H} = 20,3 \text{ Hz}$



V_{H_a}

V_{H_b}

Déplacements chimiques au centre de gravité.

l'effet de
 soit car couplés
 ensemble et
 $\frac{\Delta\nu}{\nu} \approx 1,6 \ll 10$

ν_{HE}



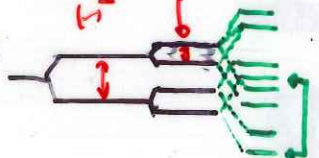
$J_{H^0-H} = 11,9 \text{ Hz}$

ν_{HD}



$J_{H^0-H} = 11,9 \text{ Hz}$

ν_{HC}

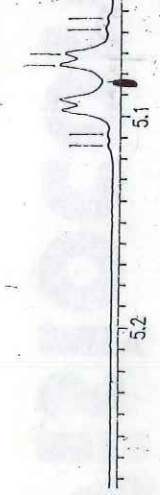


$J_{H^c-H^b} = 4,4 \text{ Hz}$

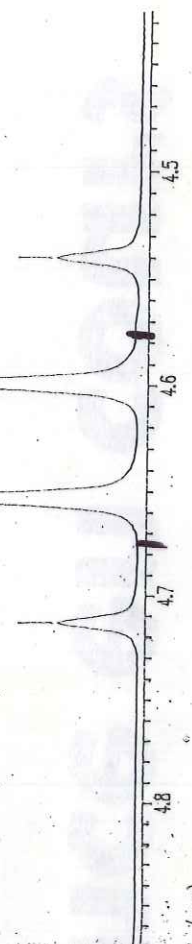
$J_{H^c-H^a} = 1,2 \text{ Hz}$

1023.42
 1022.35
 1020.06
 1018.99
 1015.79
 1014.72
 1012.43
 1011.36

943.16
 931.25
 920.42
 908.52



$\int H^c = 1017,01 = 3H^c$



$\int H^D = 943,16 = 3H^D$
 $\int H^E = 931,25 = 3H^E$

