



Examen de rattrapage - MPA

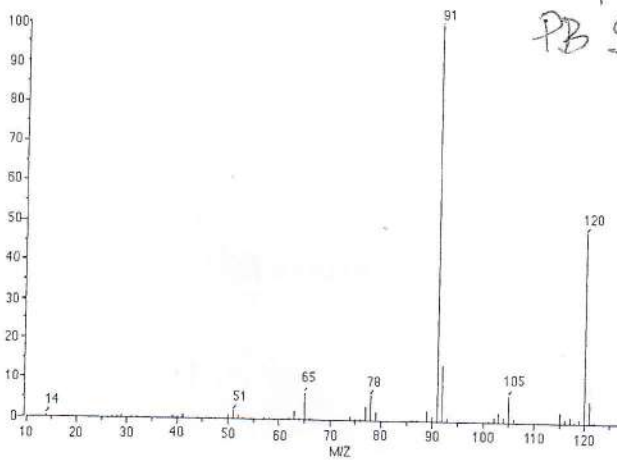
1^{ère} Année Master - Option : Génie Chimique et Génie de l'environnement

Correction

Exercice N° 1 : (10pts)

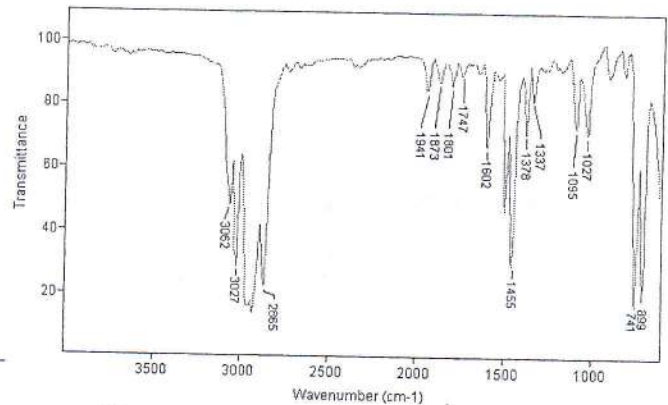
Soit un produit organique pur qui présente les spectres ci-dessous ; déterminer la structure chimique de ce produit.

Spectre de masse IE



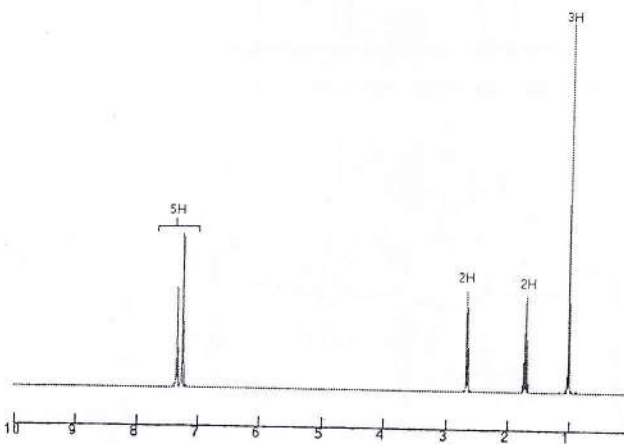
SM [120]
 PB 91

Spectre IR

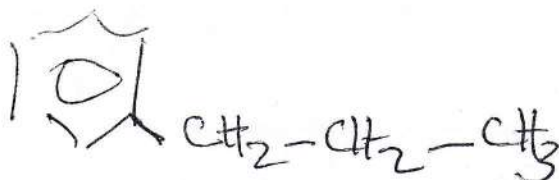
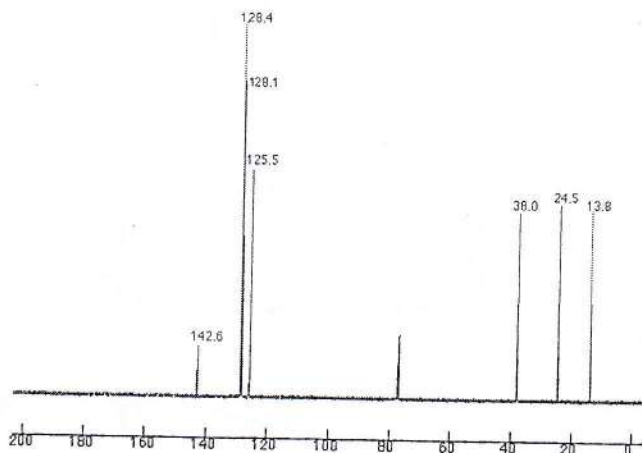


Formule brute C_9H_{12} *ASPK*

Spectre RMN ¹H



Spectre RMN ¹³C



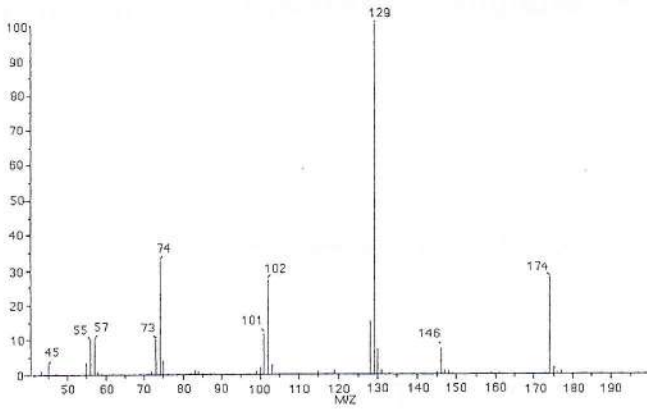
structure *ASPK*

Exercice 2: (10Pts)

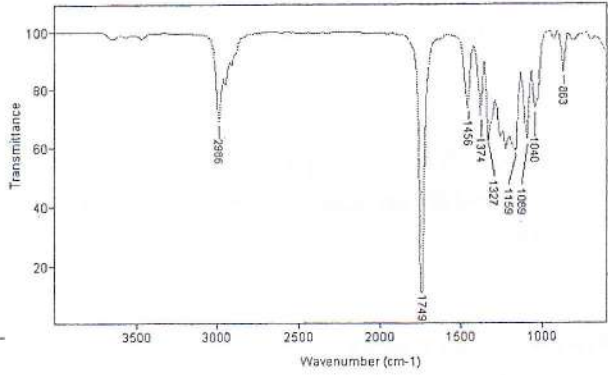
Donner la structure chimique du produit suivant :

$C_8H_{14}O_4$ 05pts

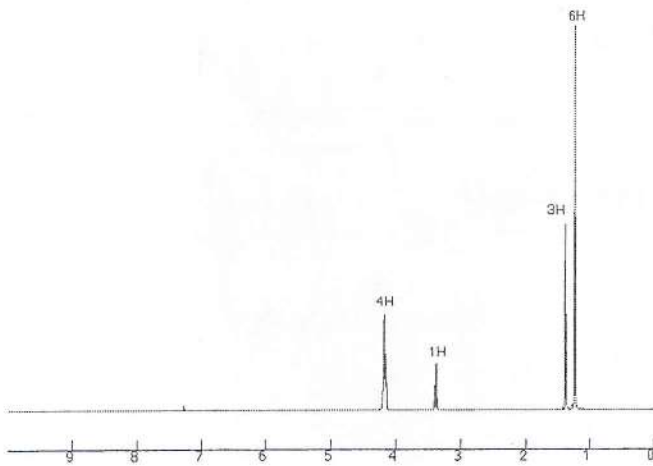
Spectre de masse



Spectre IR



Spectre RMN 1H



Spectre RMN ^{13}C

