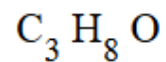


EJERCICIOS DE RMN ^1H y ^{13}C

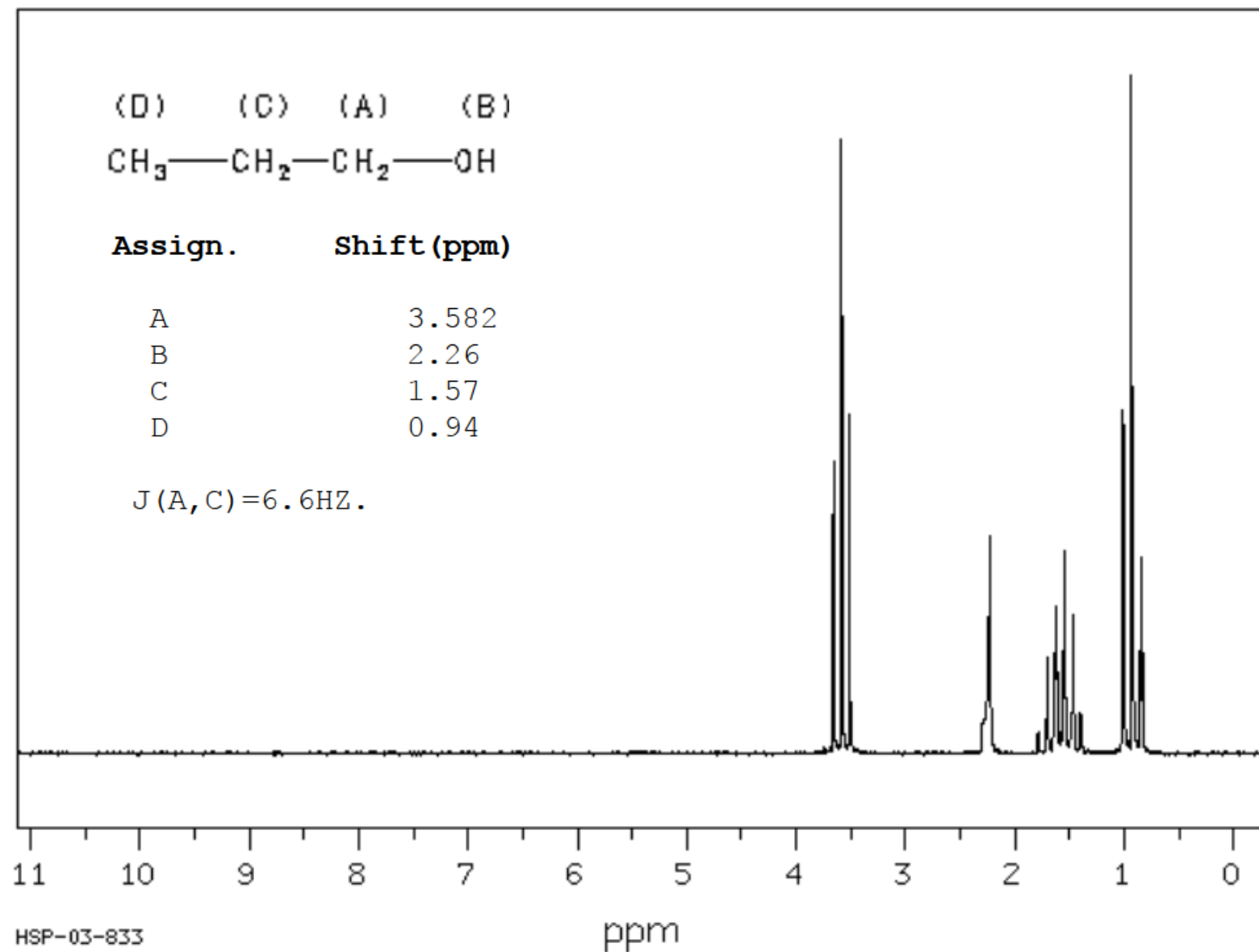
- Fernando de J. Amézquita L.
 - Diana Mendoza O.

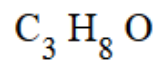


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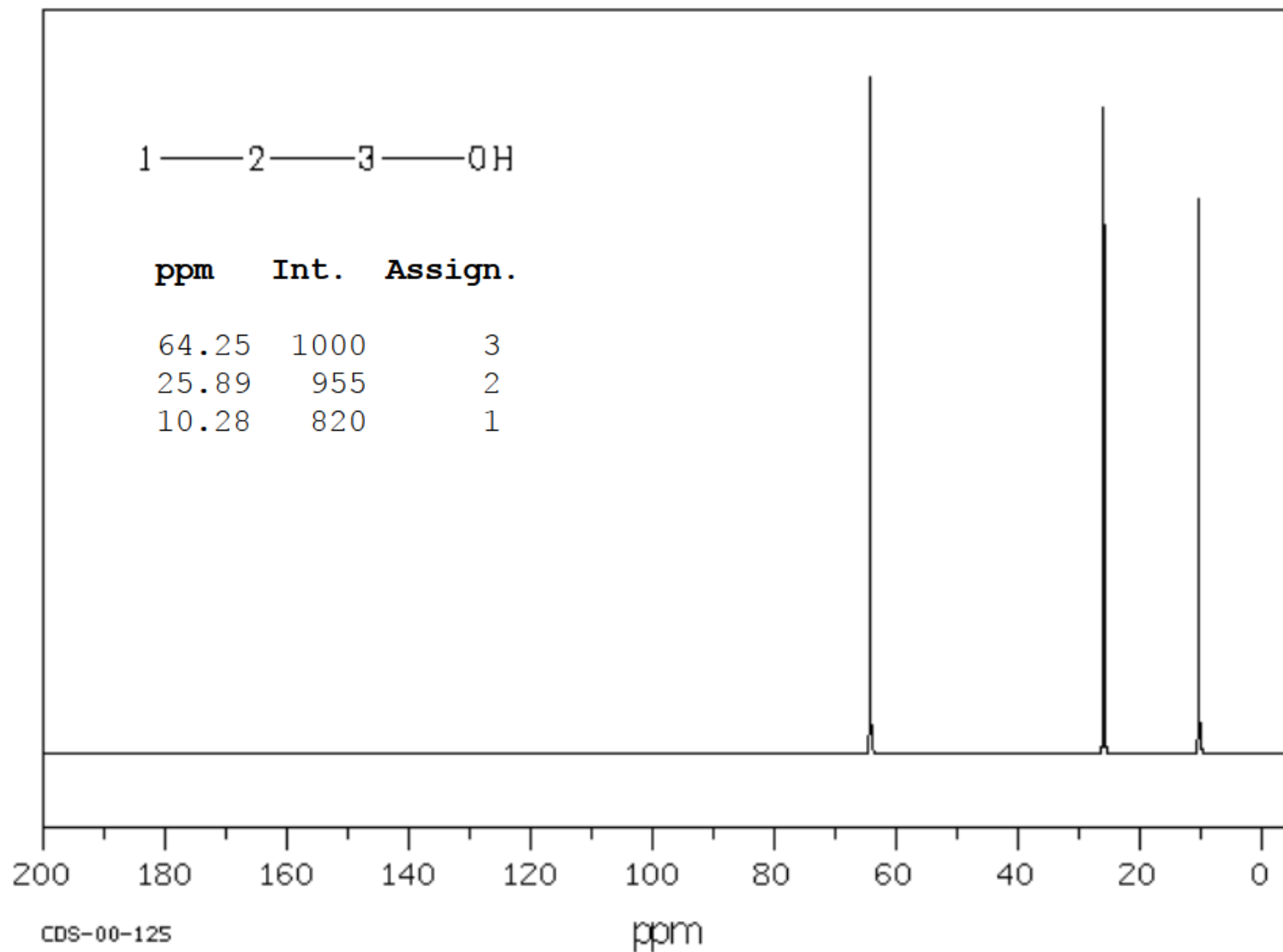
90 MHz

1-propanol



1-propanol

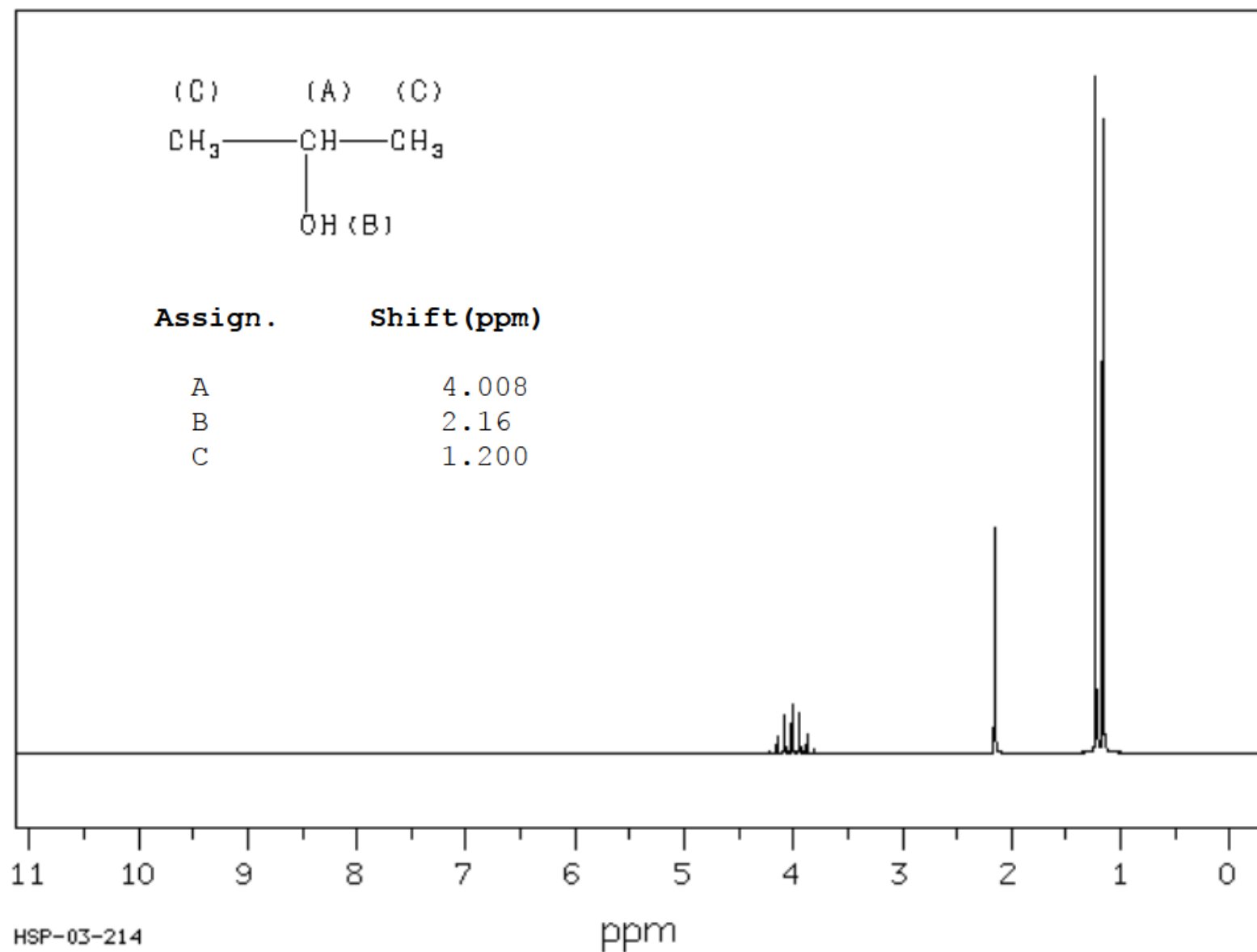
15,09 MHz



C_3H_8O

90 MHz

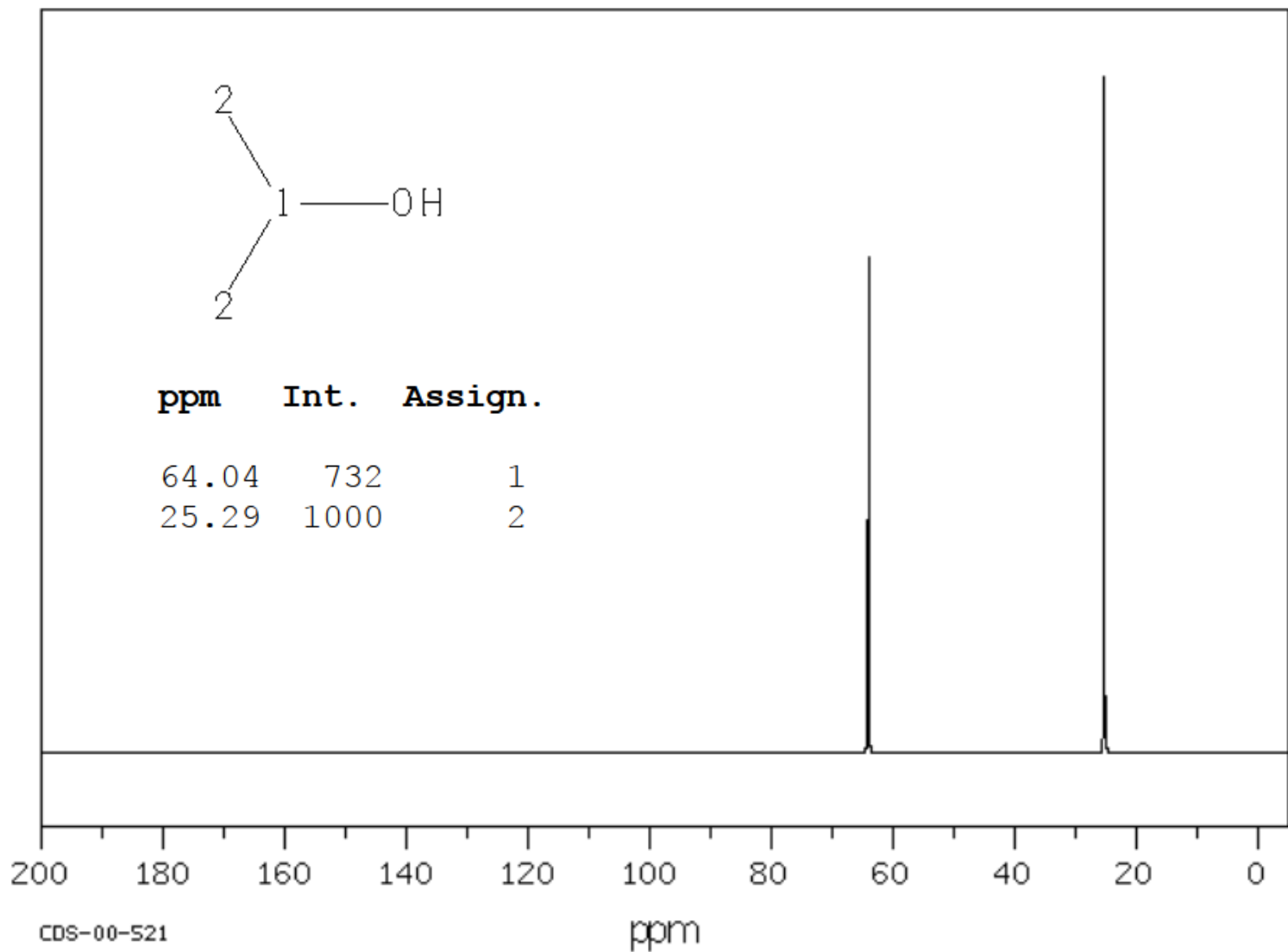
2-propanol

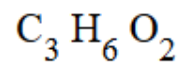


C_3H_8O

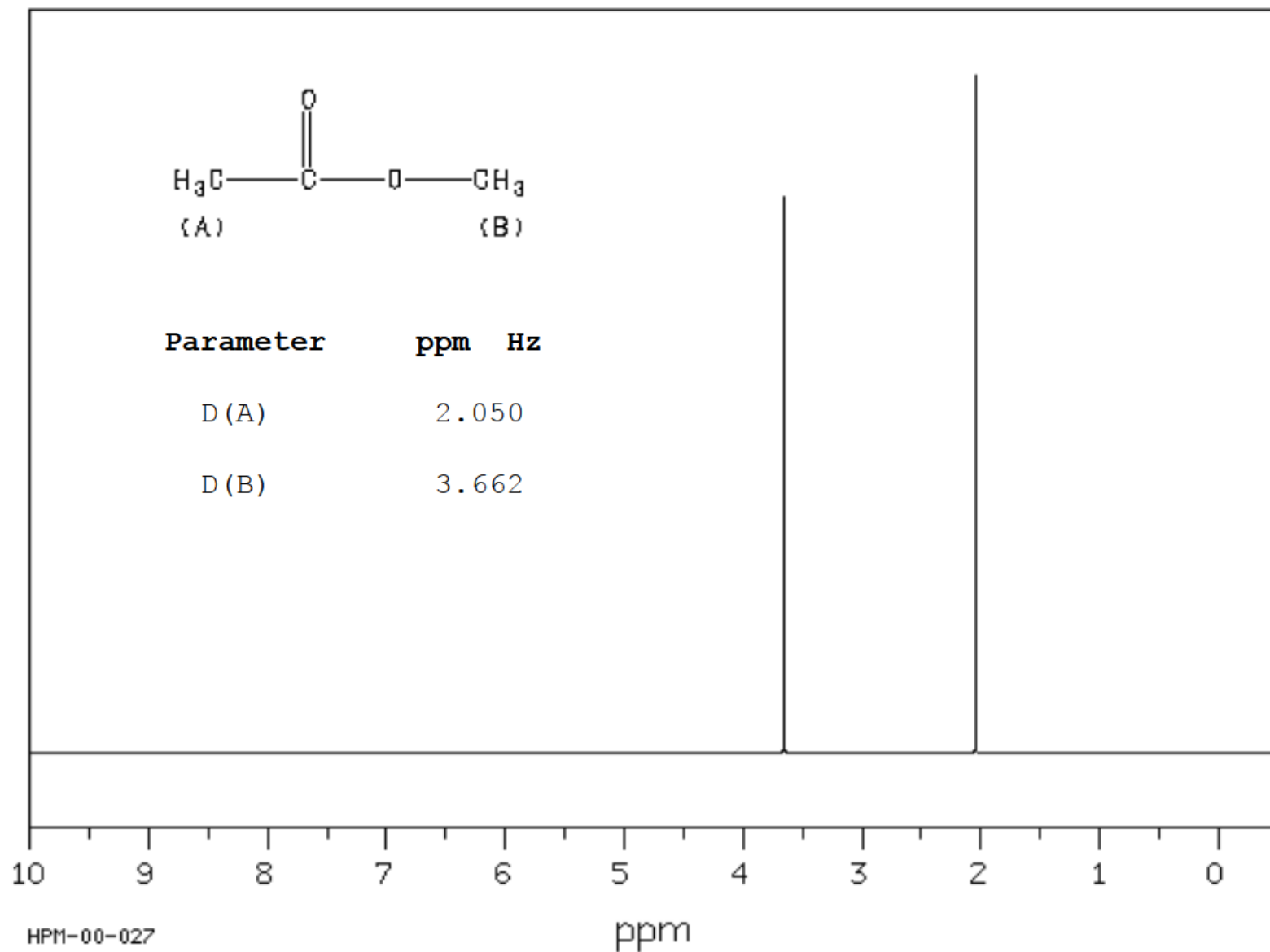
15,09 MHz

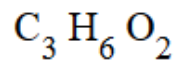
2-propanol





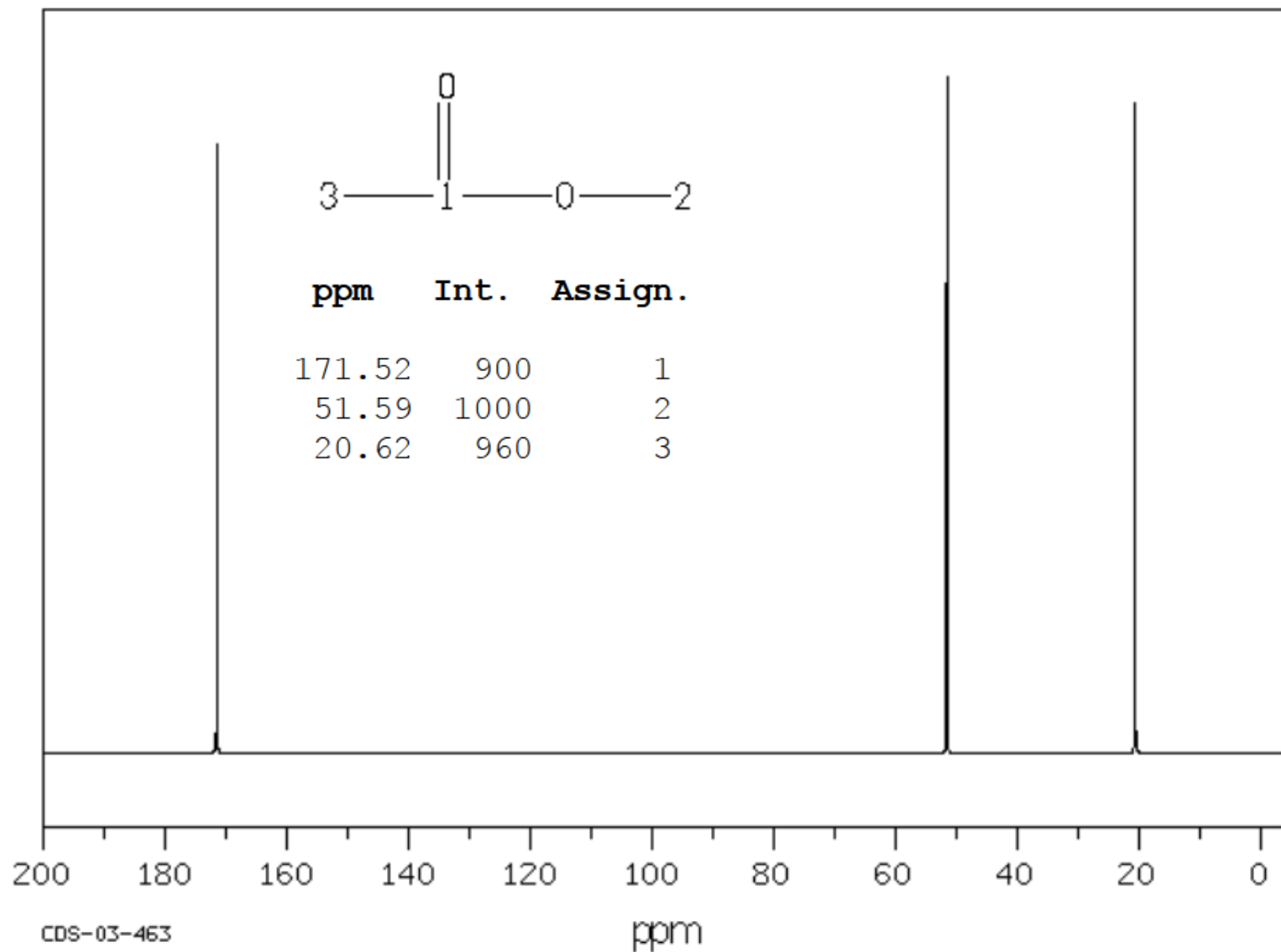
300 MHz

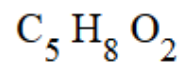
methyl acetate



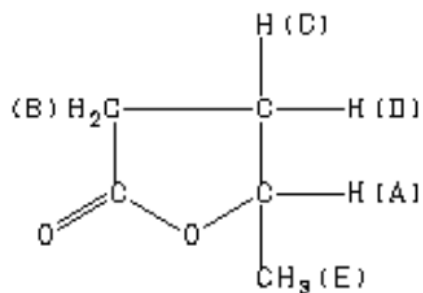
methyl acetate

25,16 MHz

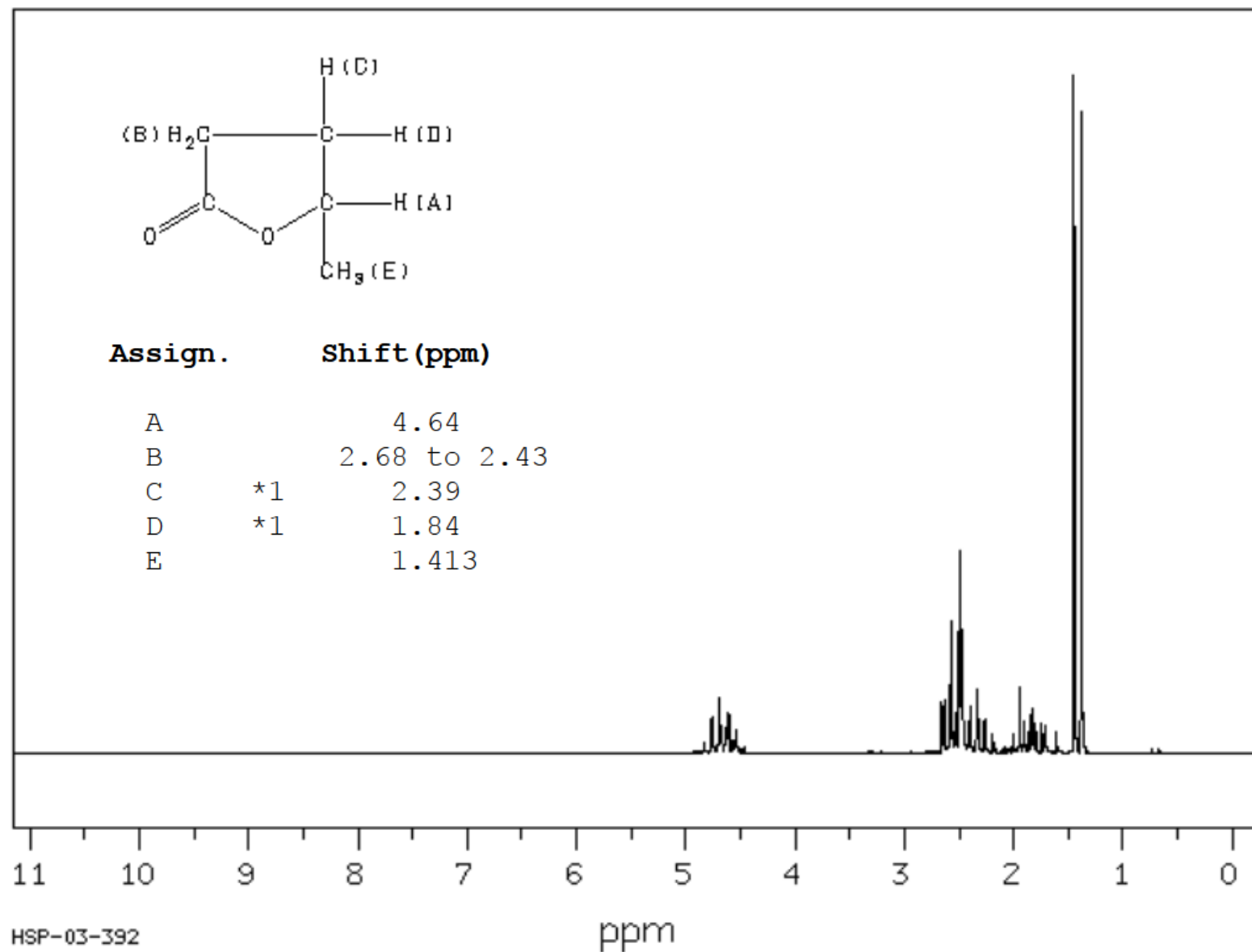


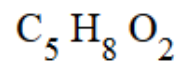


90 MHz

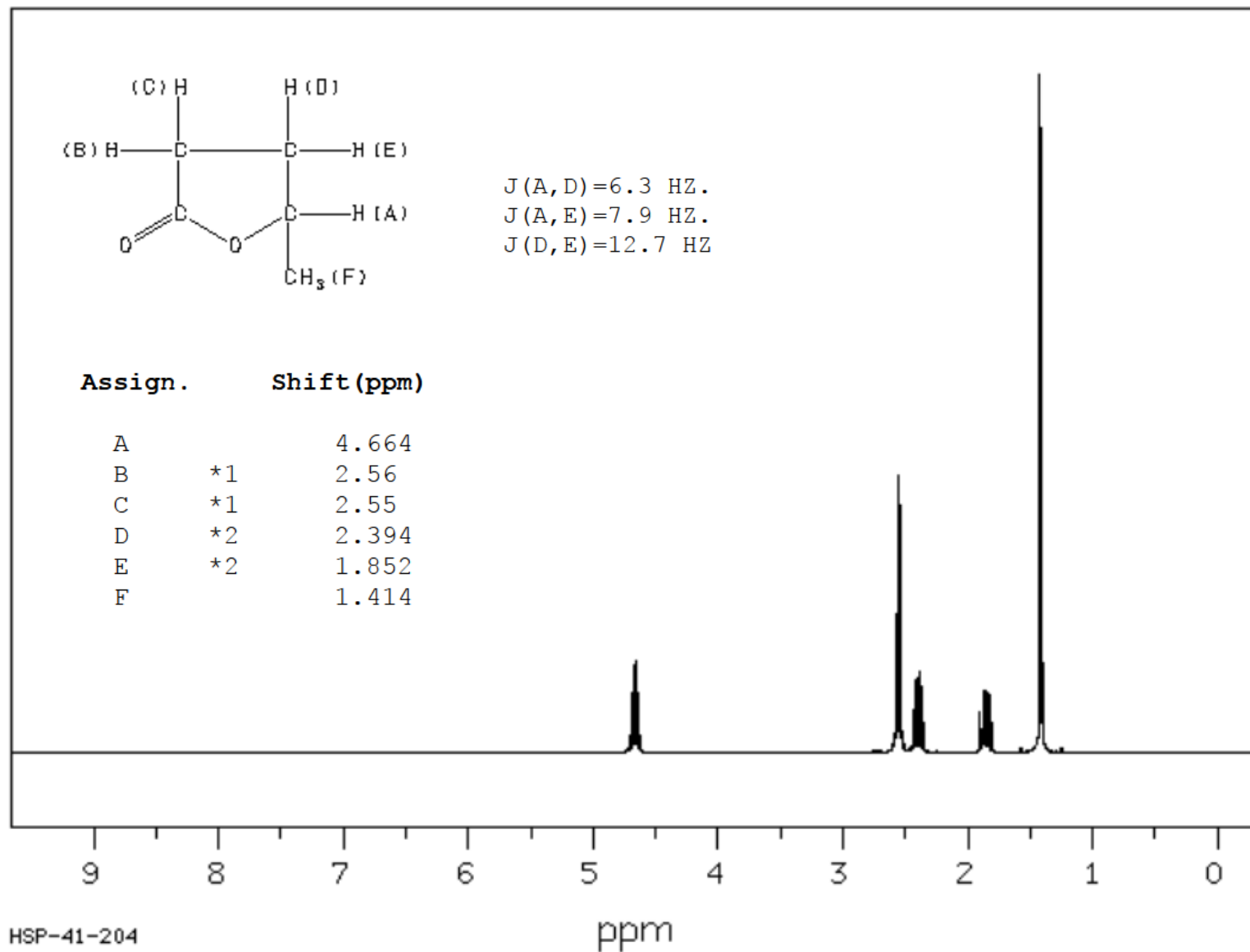
gamma-valerolactone

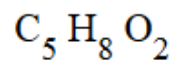
Assign.	Shift (ppm)
A	4.64
B	2.68 to 2.43
C	*1 2.39
D	*1 1.84
E	1.413



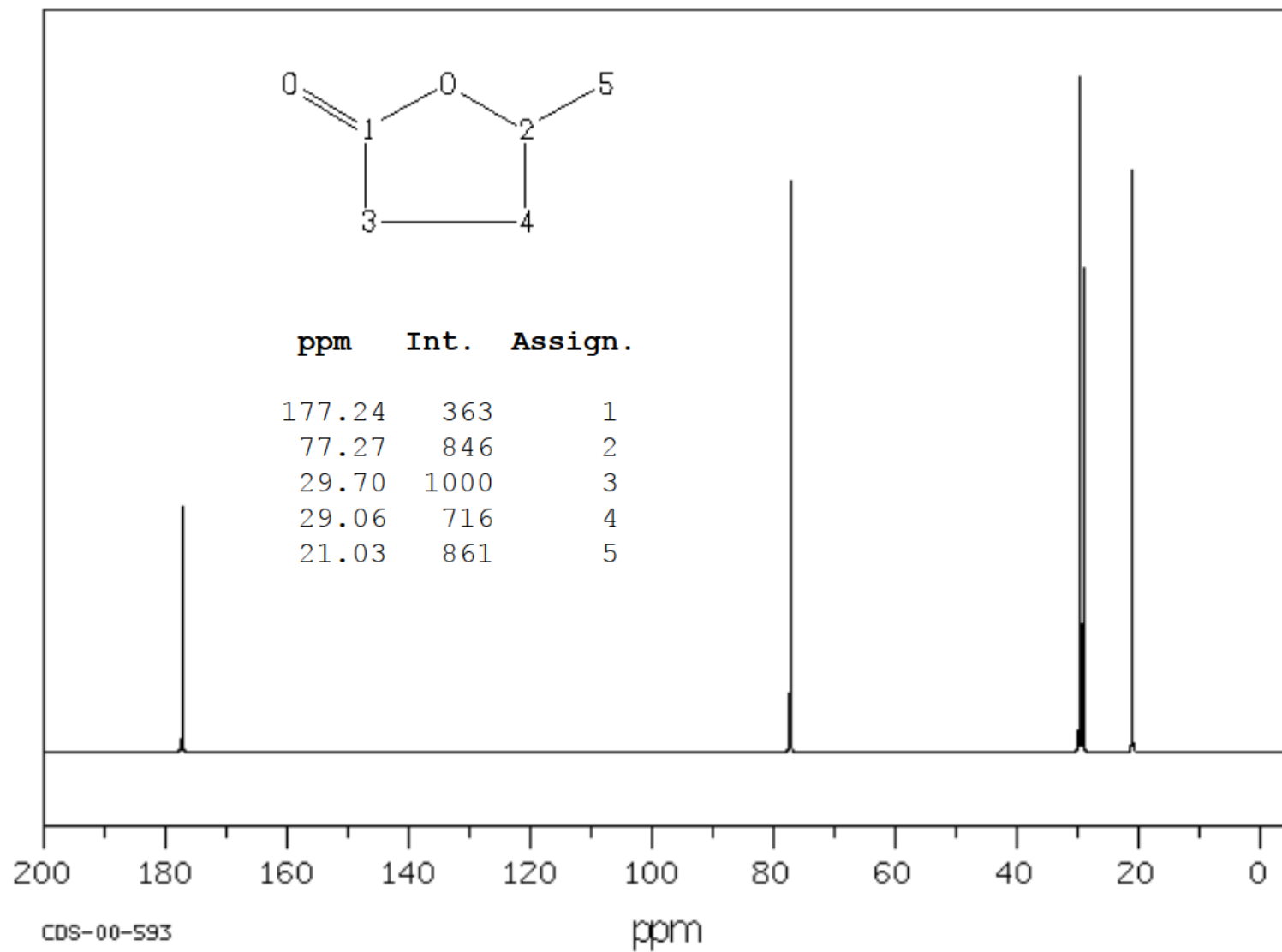


400 MHz

gamma-valerolactone



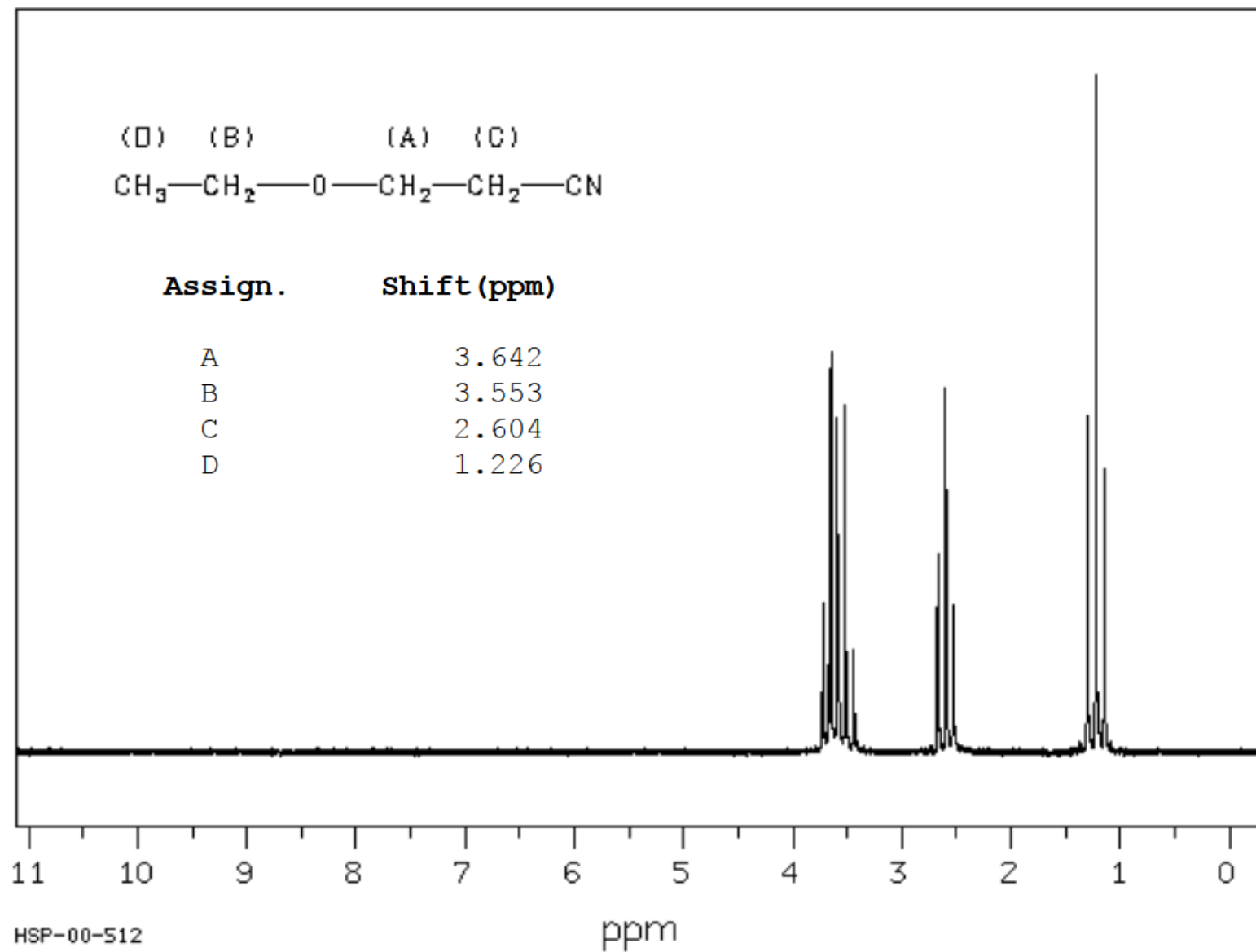
25,16 MHz

gamma-valerolactone

C₅H₉NO

90 MHz

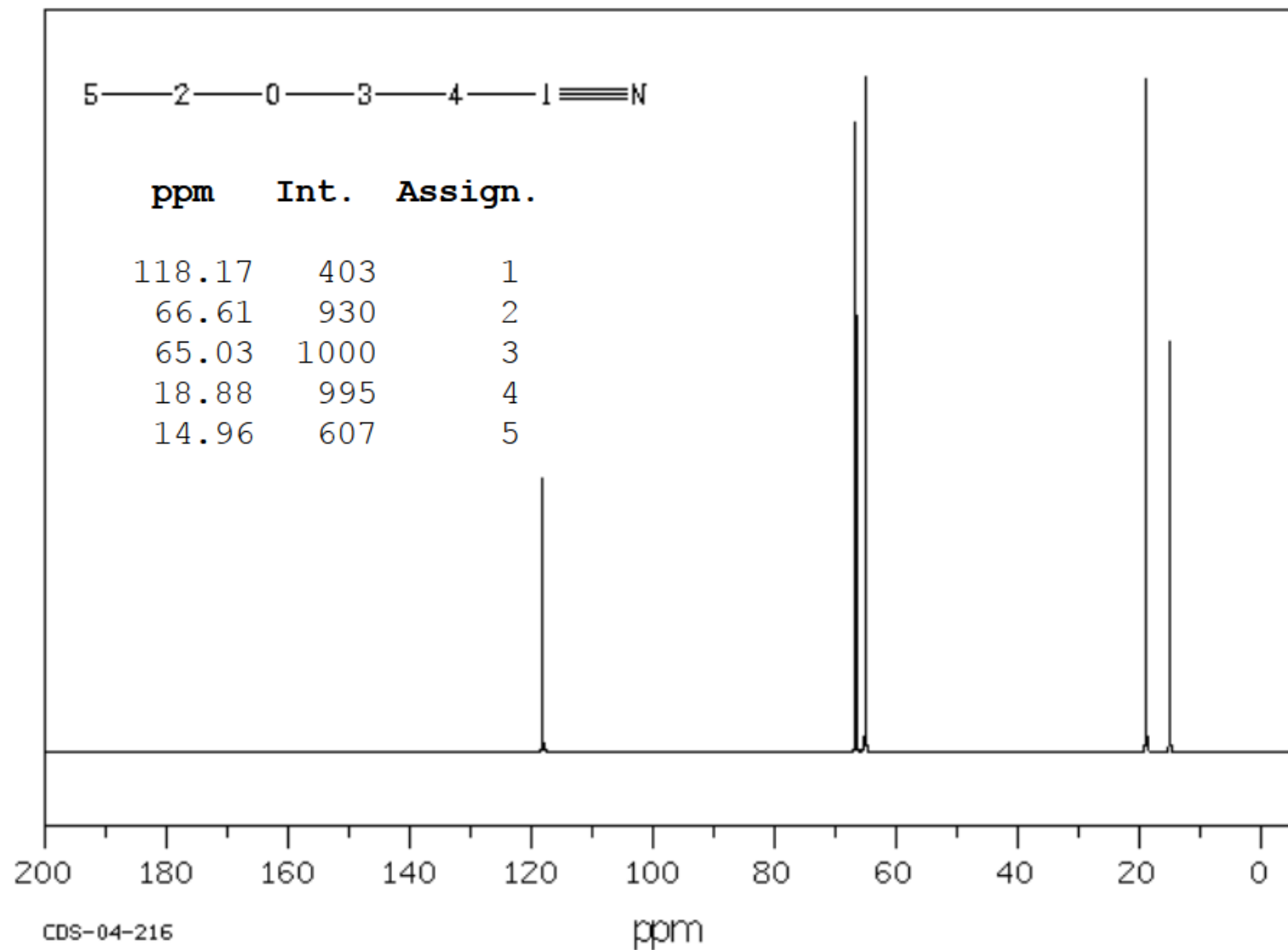
3-ethoxypropionitrile



C₅H₉NO

25,16 MHz

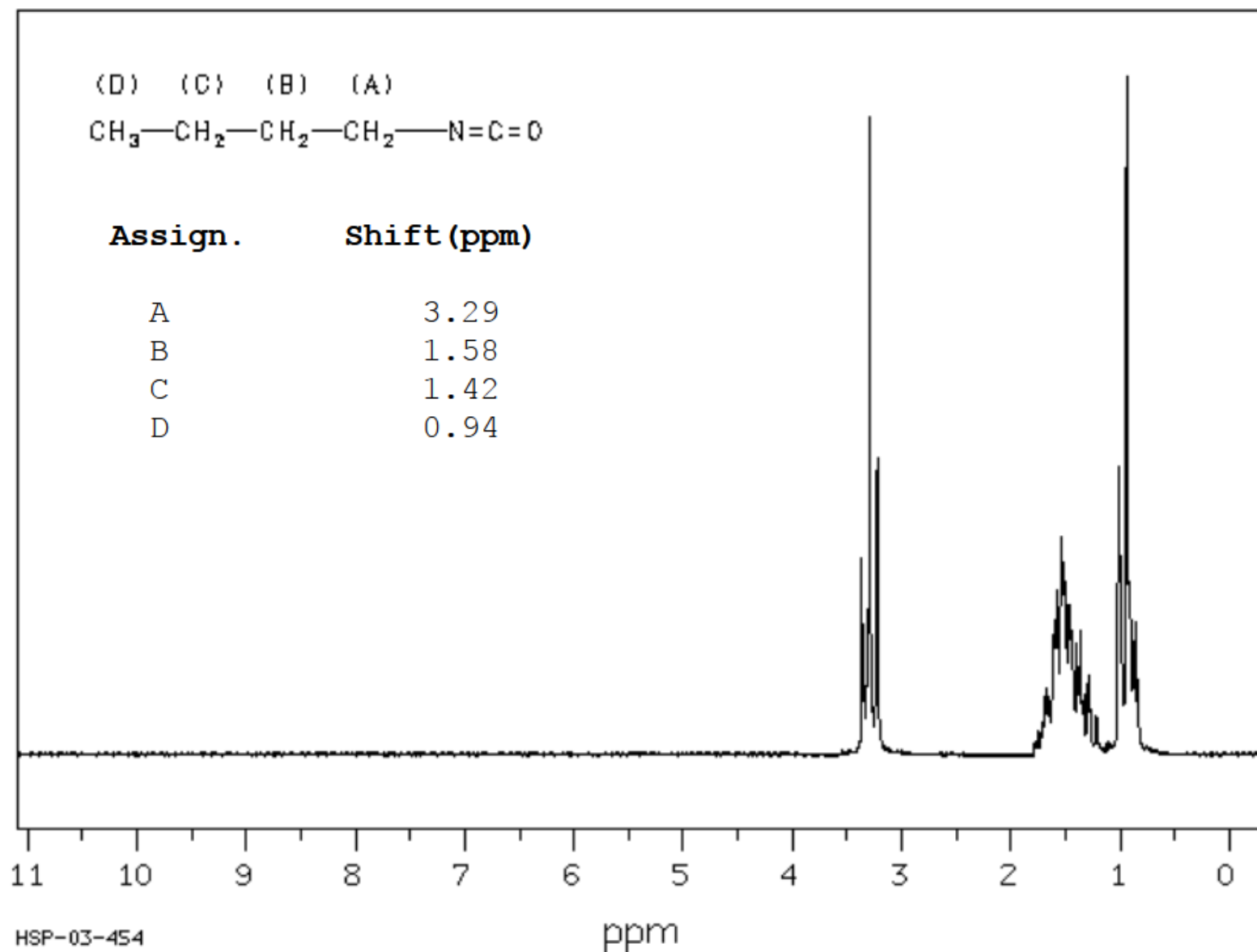
3-ethoxypropionitrile



C₅H₉NO

90 MHz

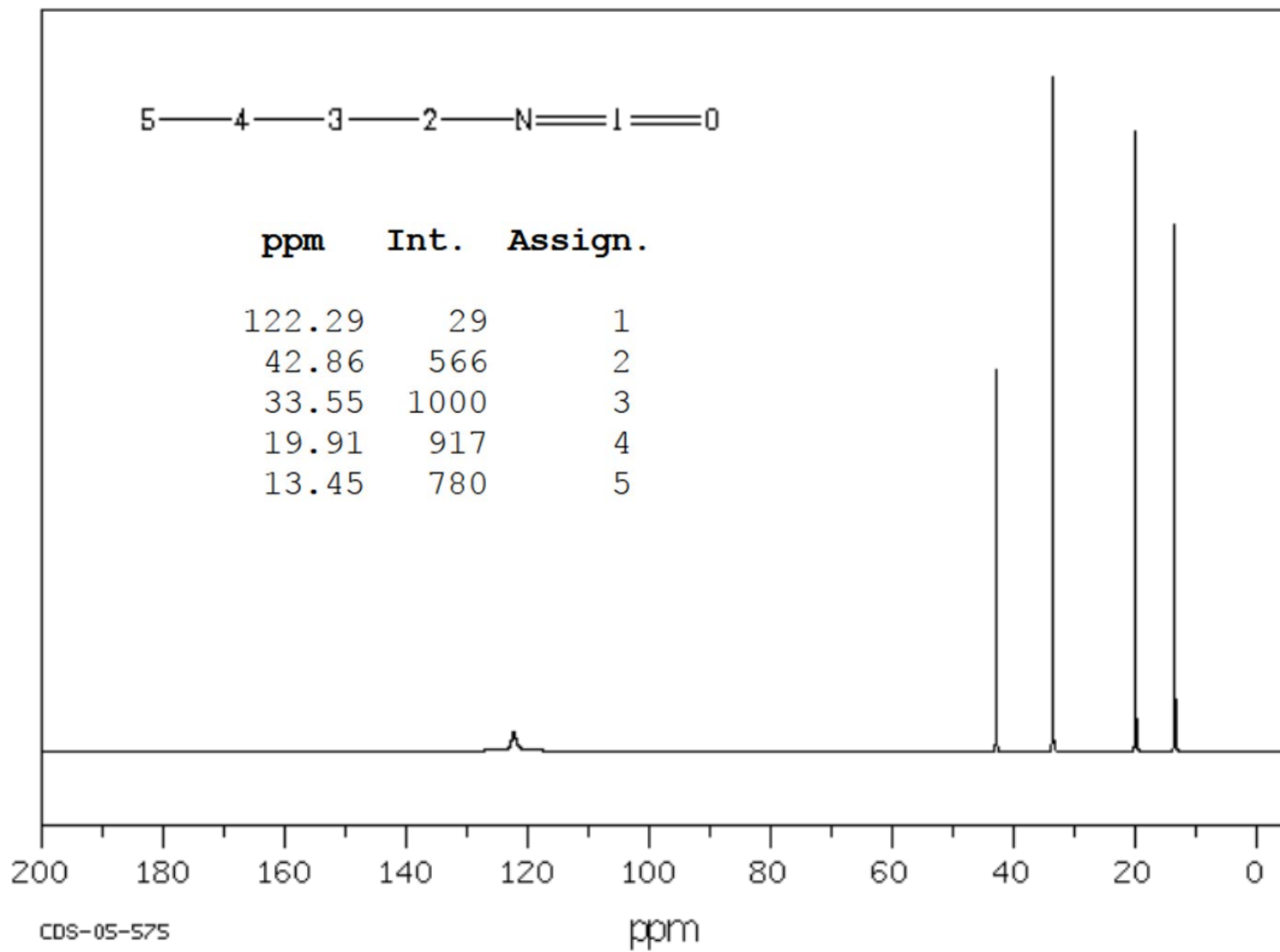
butyl isocyanate



C₅H₉NO

25,16 MHz

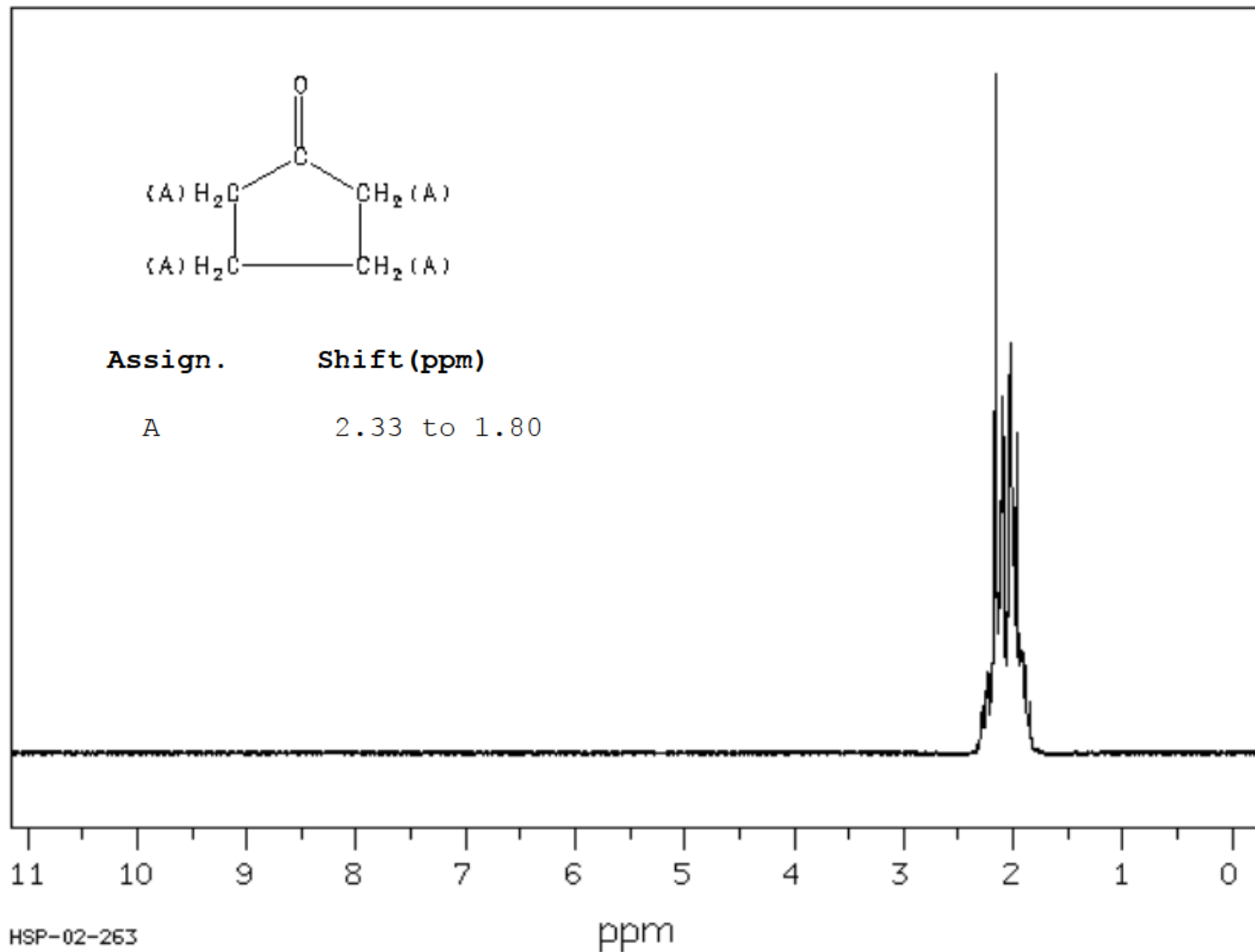
butyl isocyanate

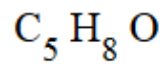


C_5H_8O

90 MHz

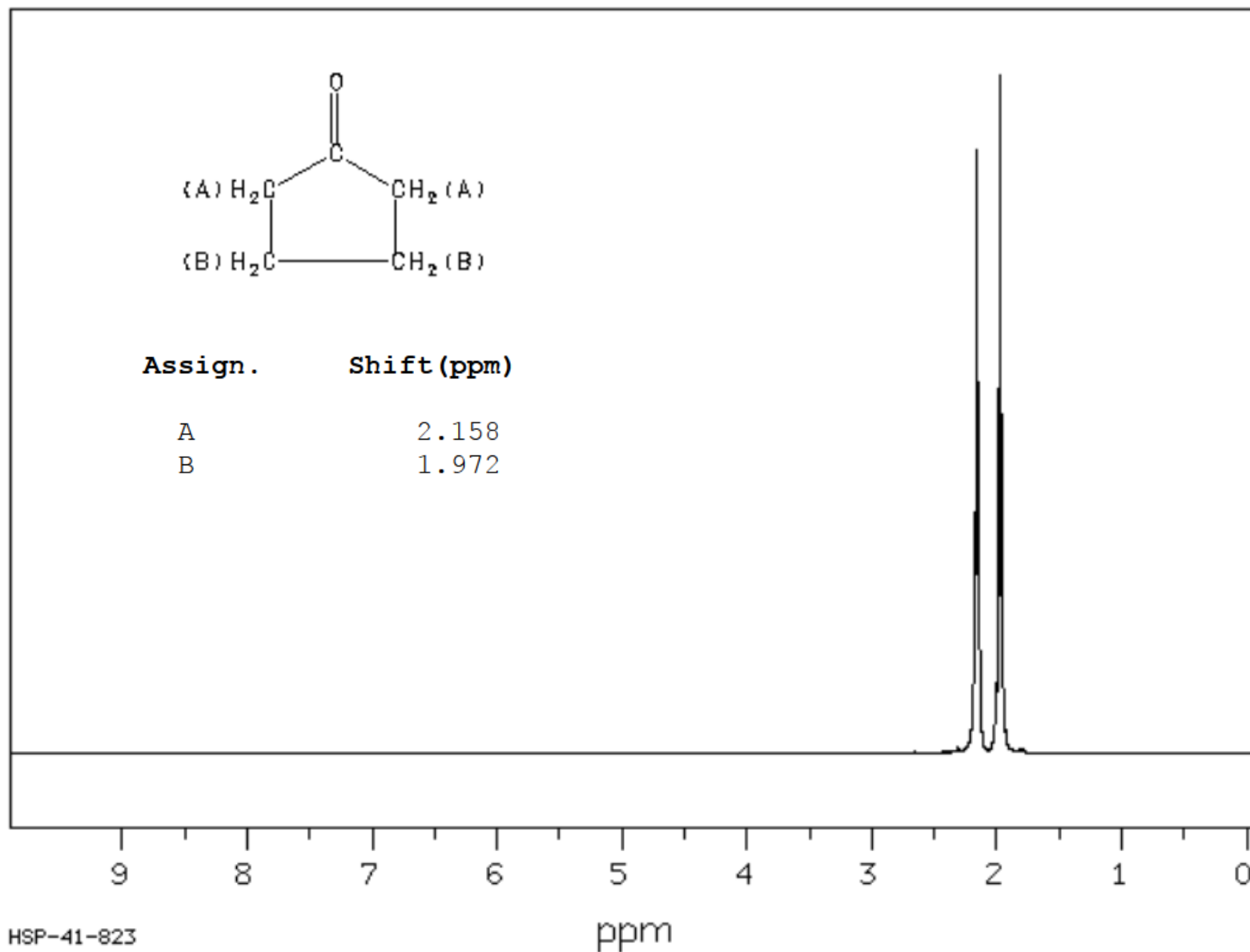
cyclopentanone





cyclopentanone

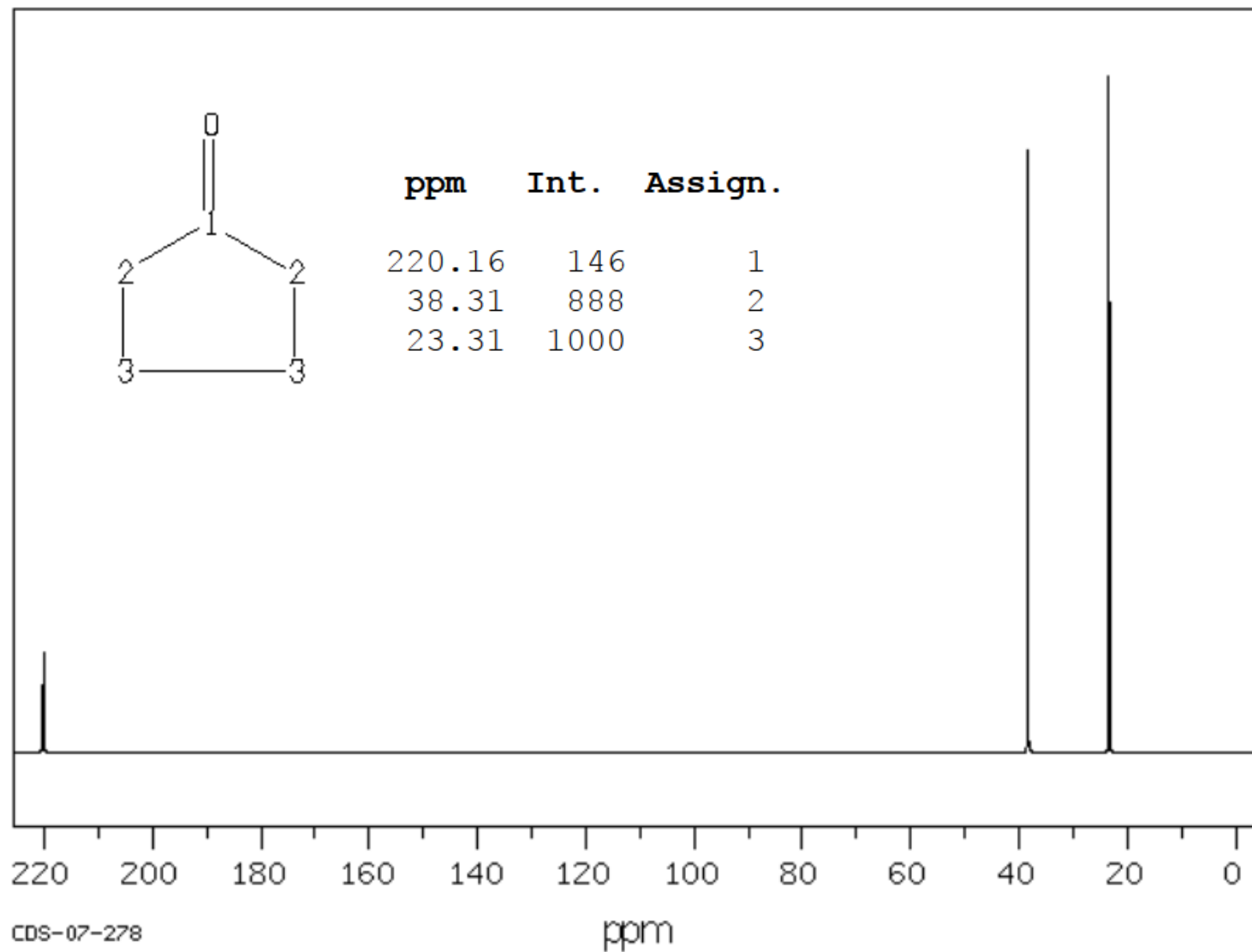
400 MHz



C_5H_8O

25,16 MHz

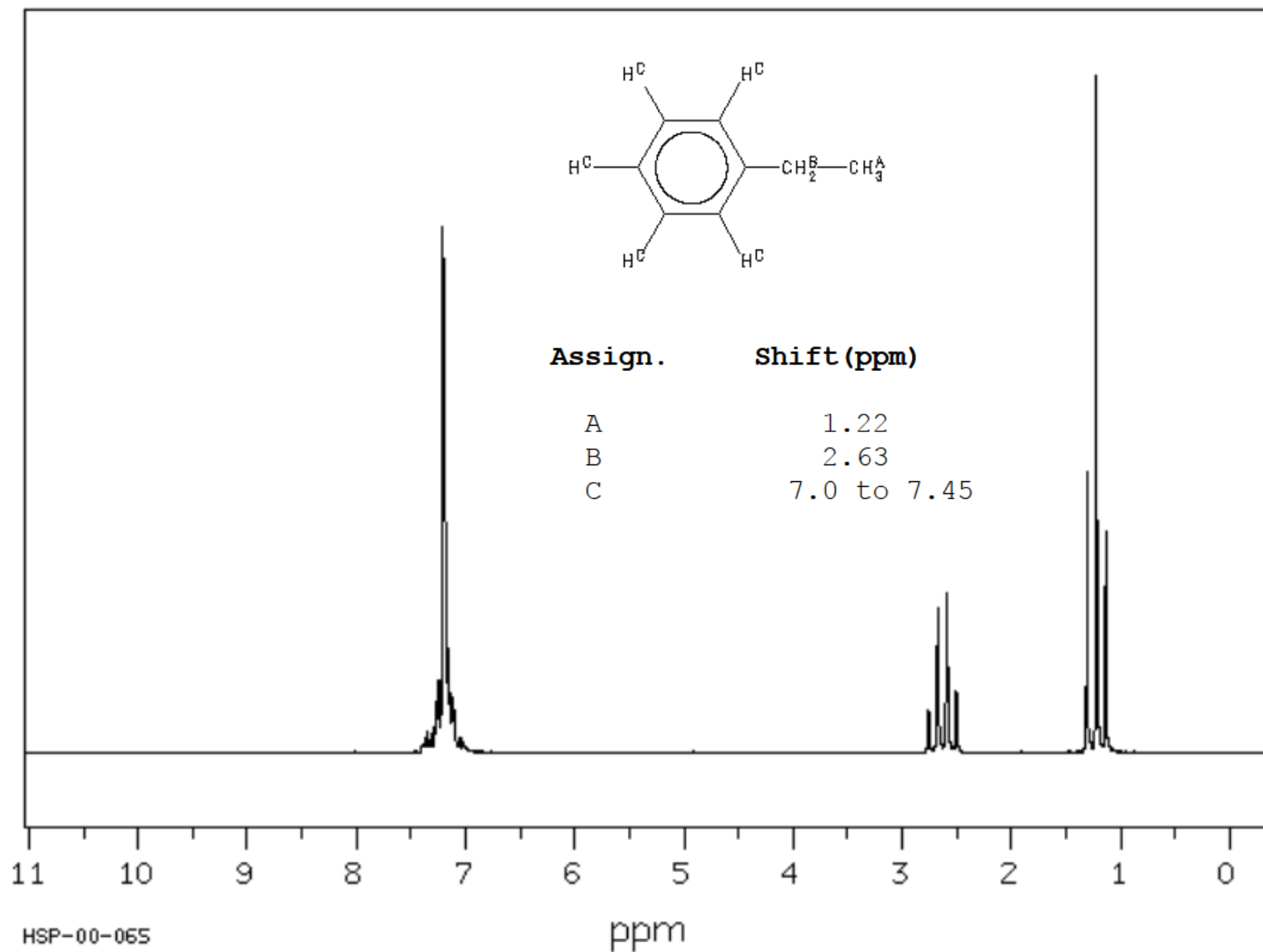
cyclopentanone



C_8H_{10}

90 MHz

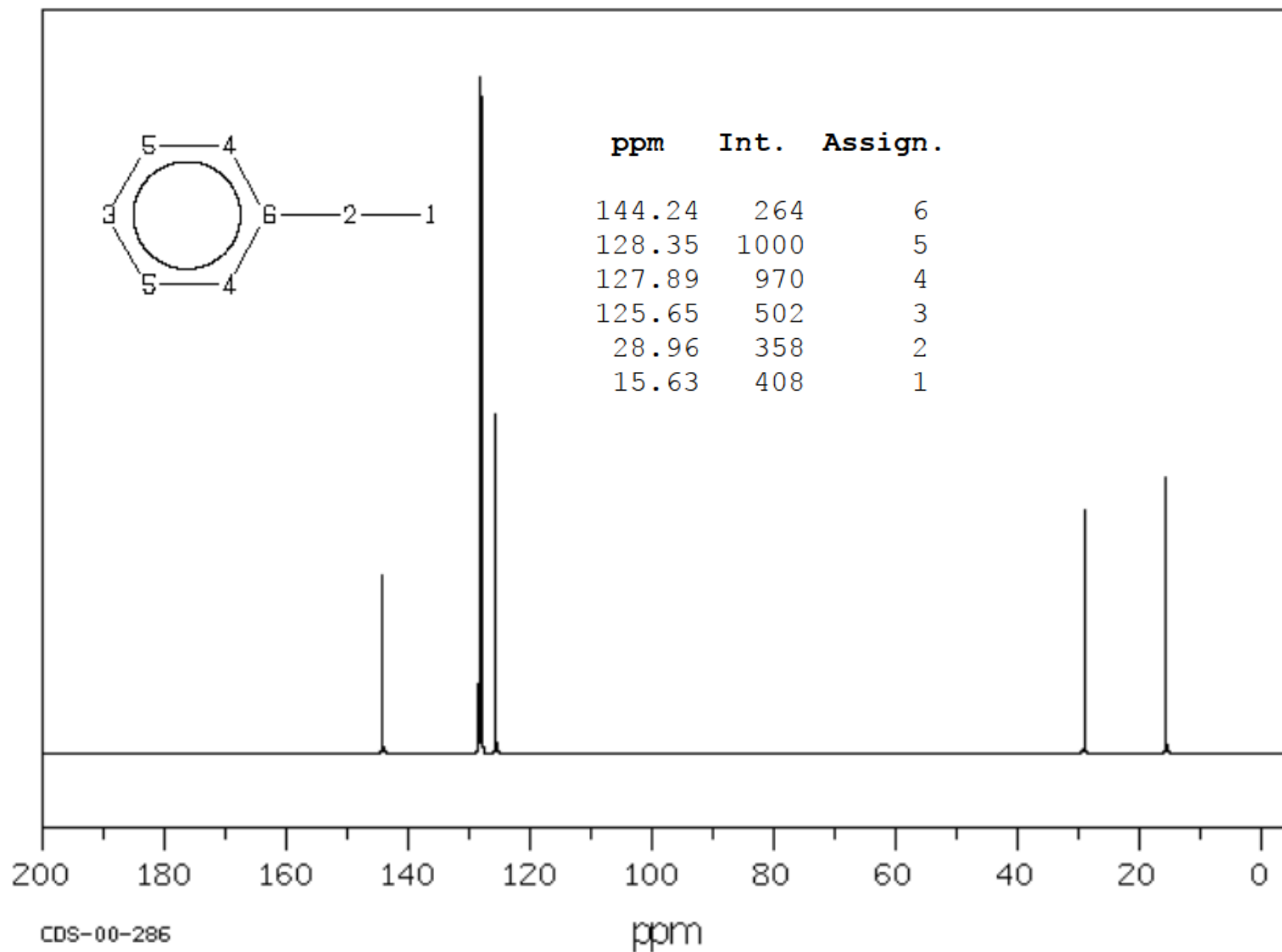
ethylbenzene

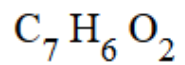


C_8H_{10}

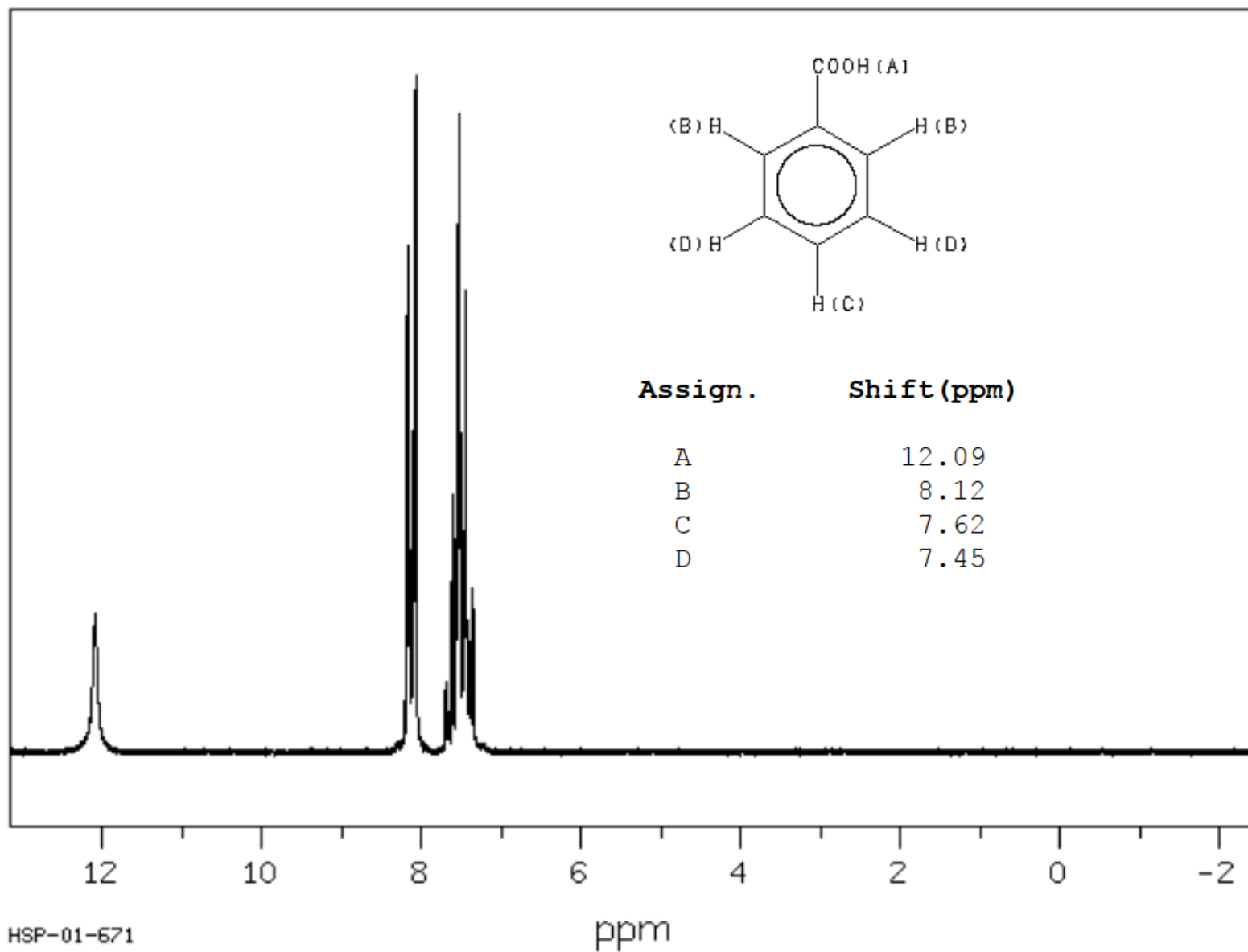
ethylbenzene

25,16 MHz





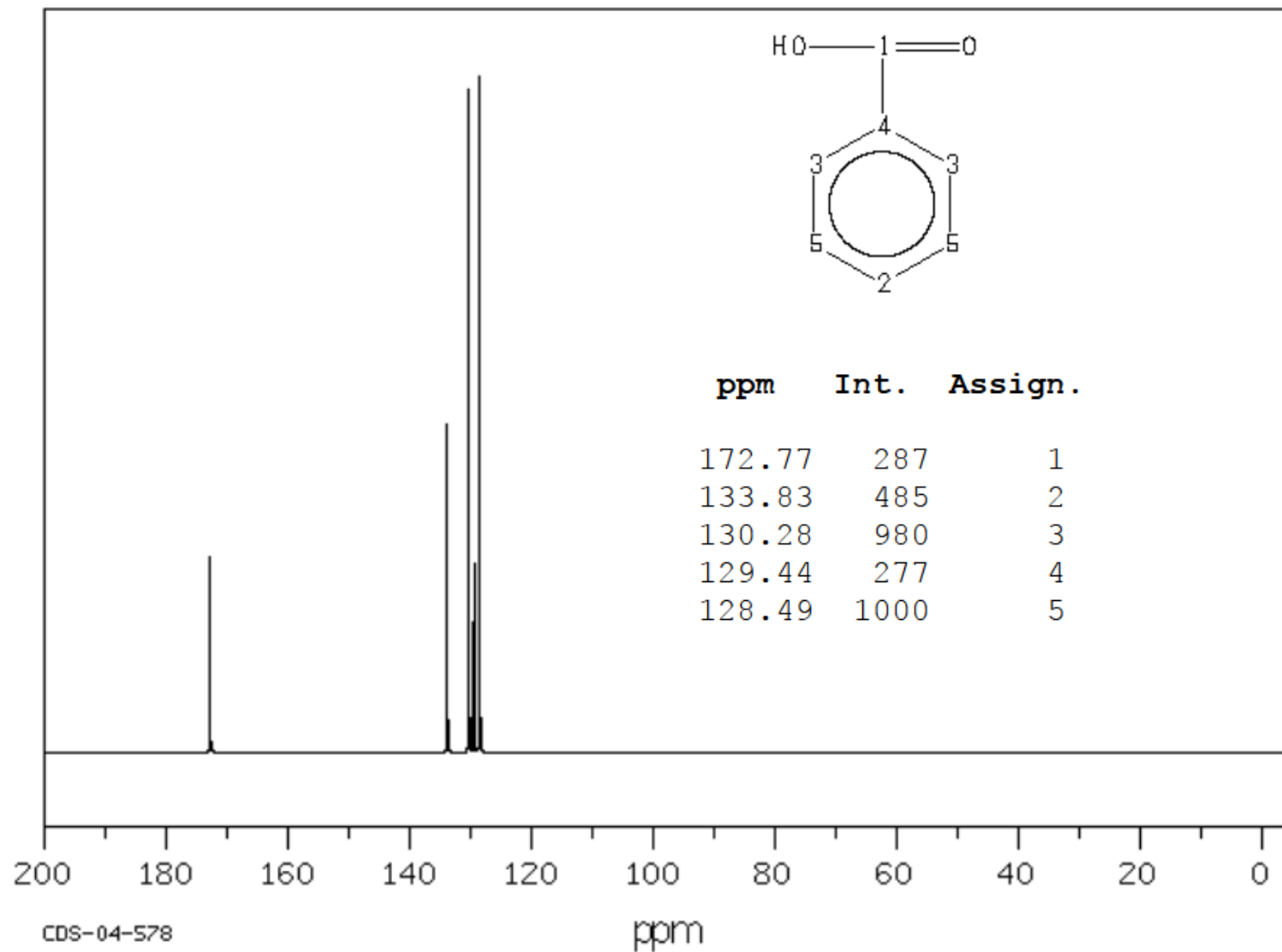
90 MHz

benzoic acid

$C_7H_6O_2$

25,16 MHz

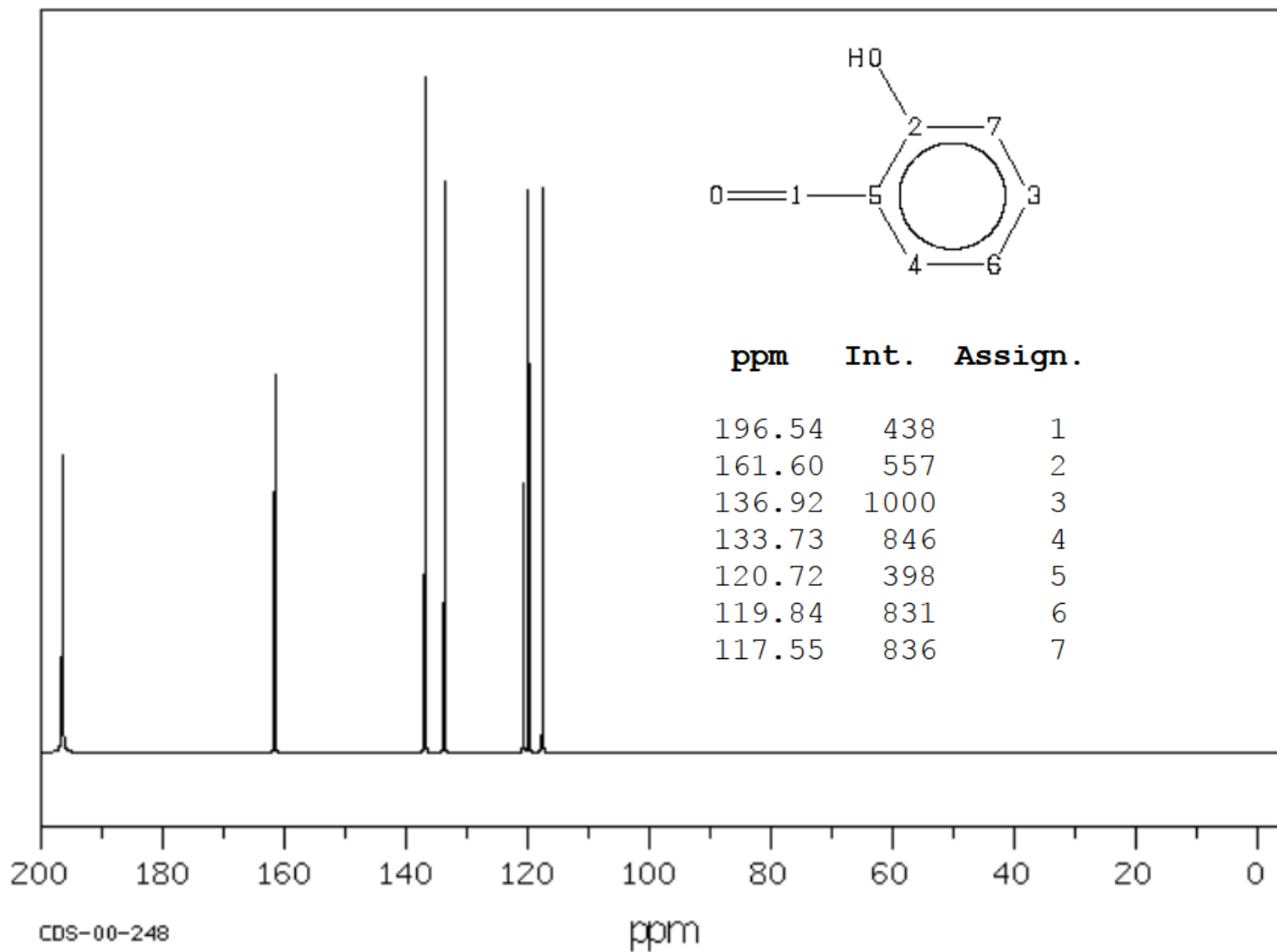
benzoic acid

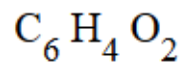


$C_7H_6O_2$

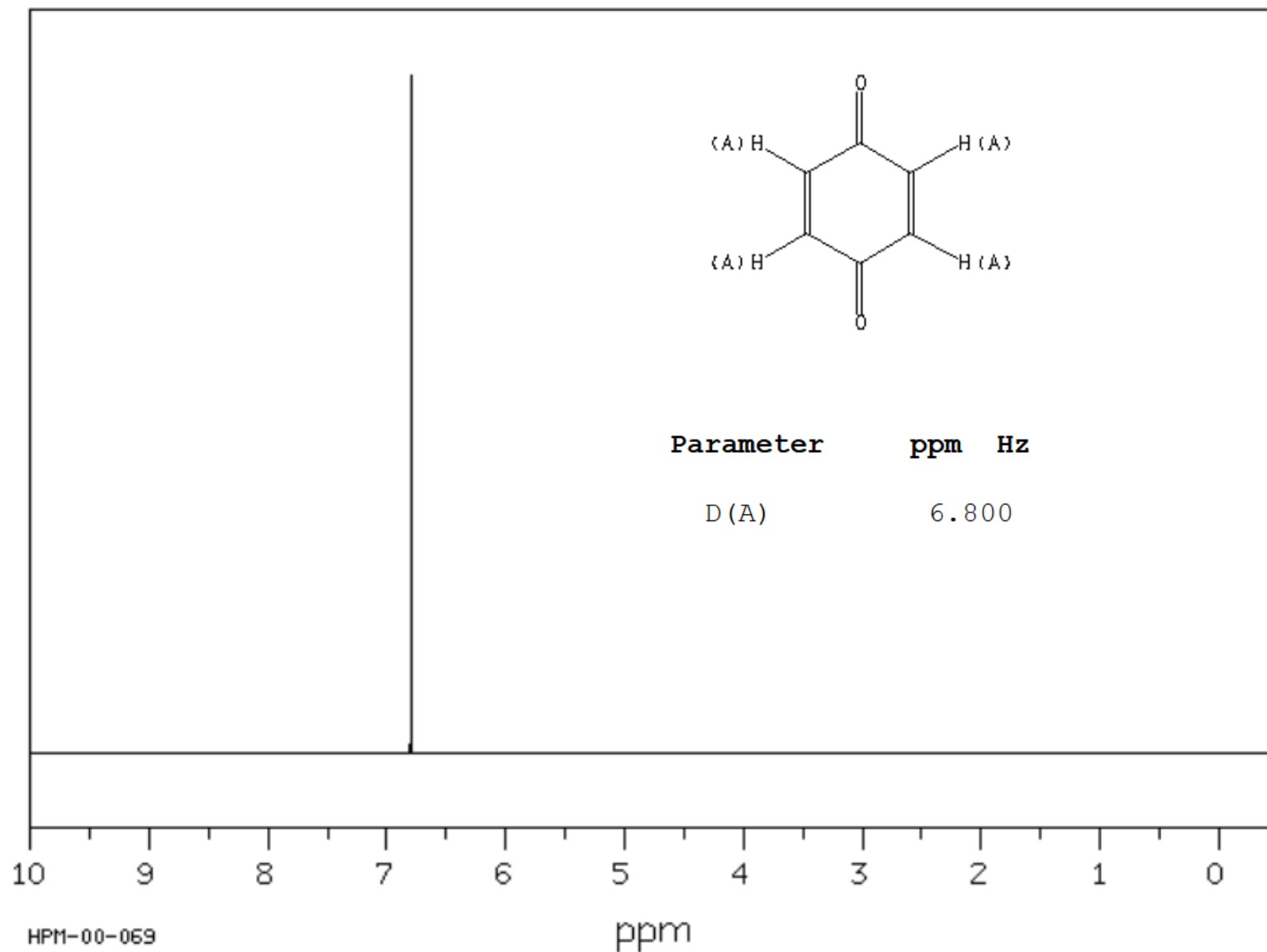
25,16 MHz

salicylaldehyde



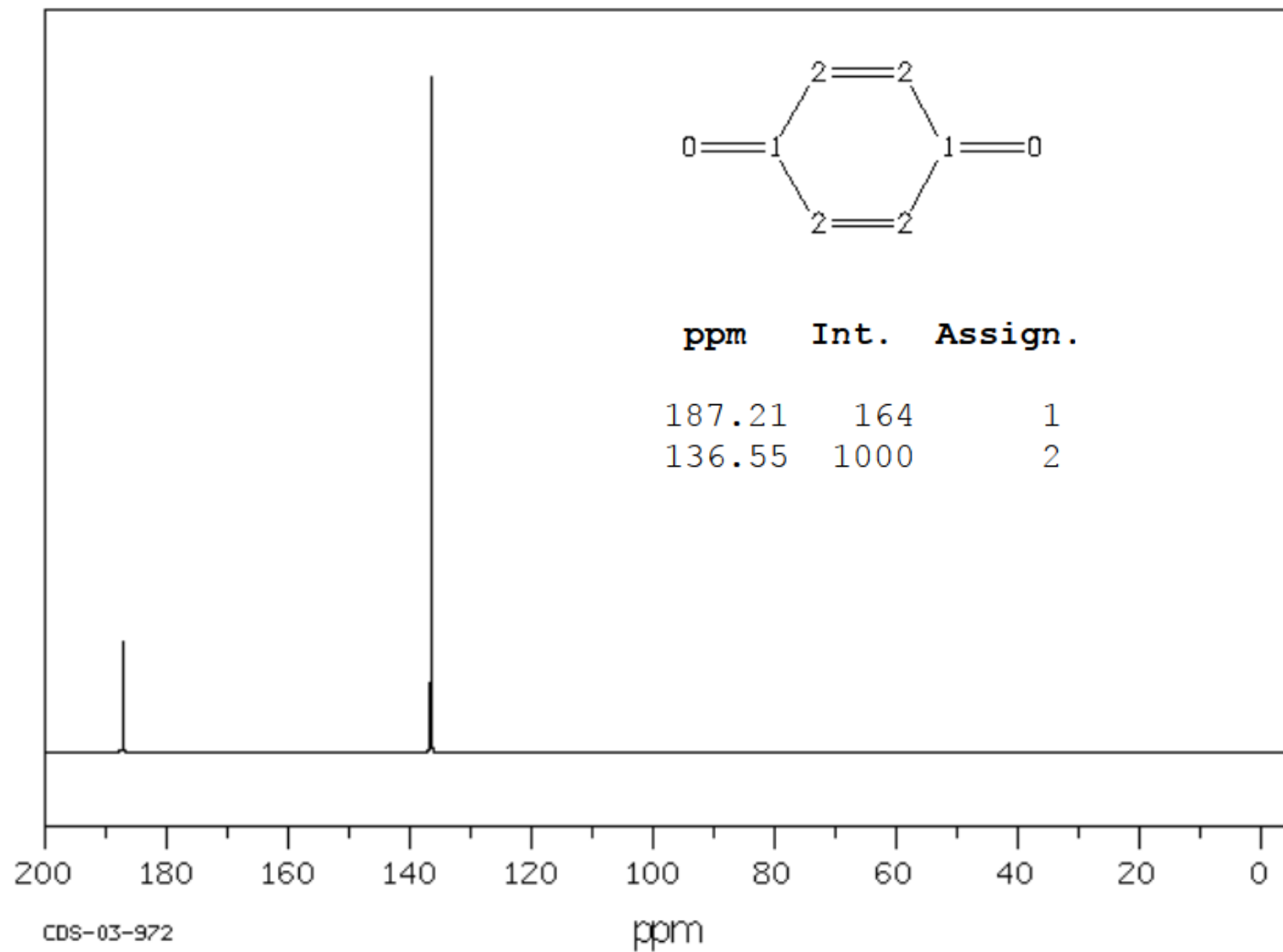


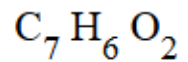
300 MHz

p-benzoquinone

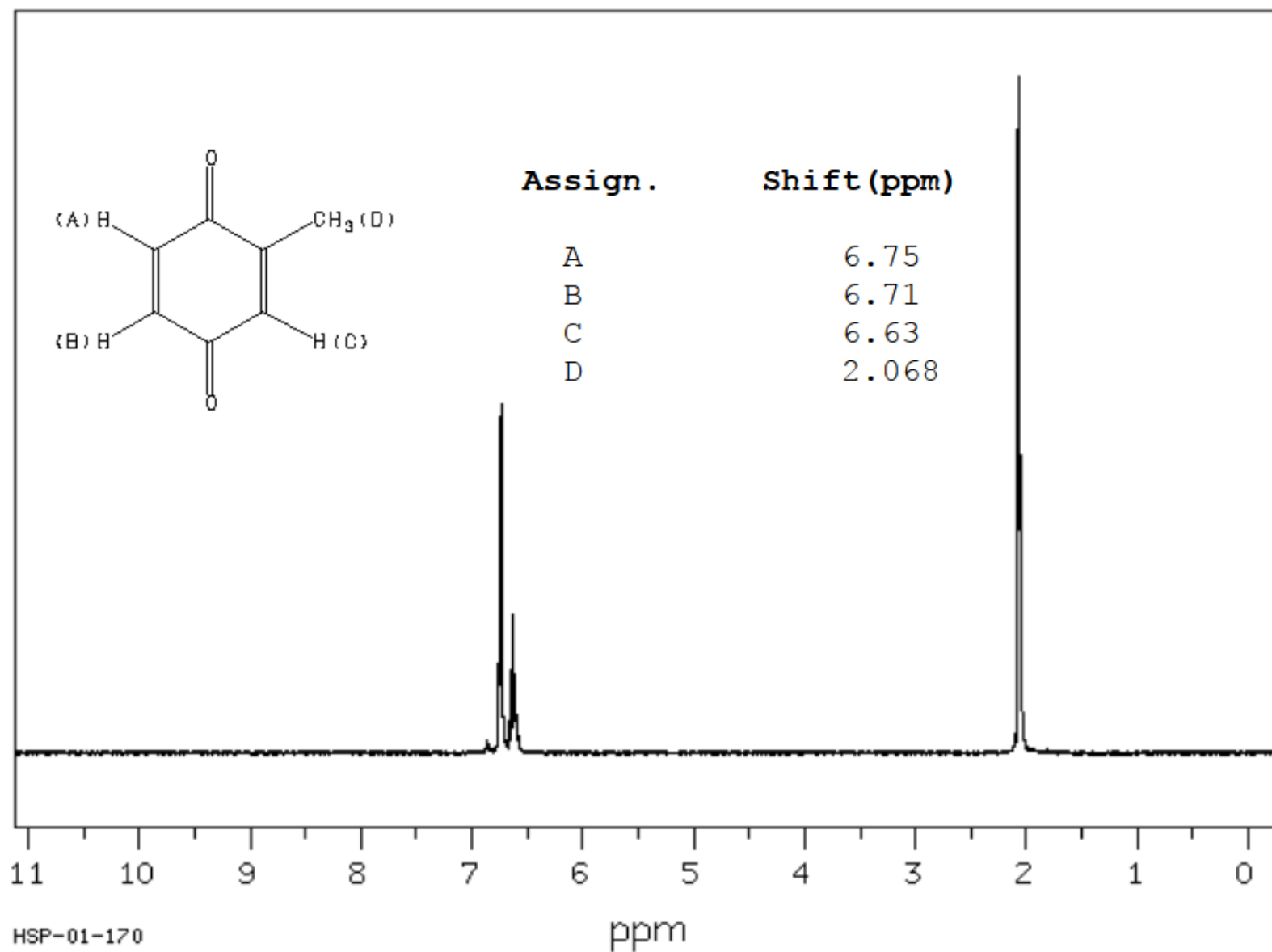
$C_6H_4O_2$ **p-benzoquinone**

25,16 MHz



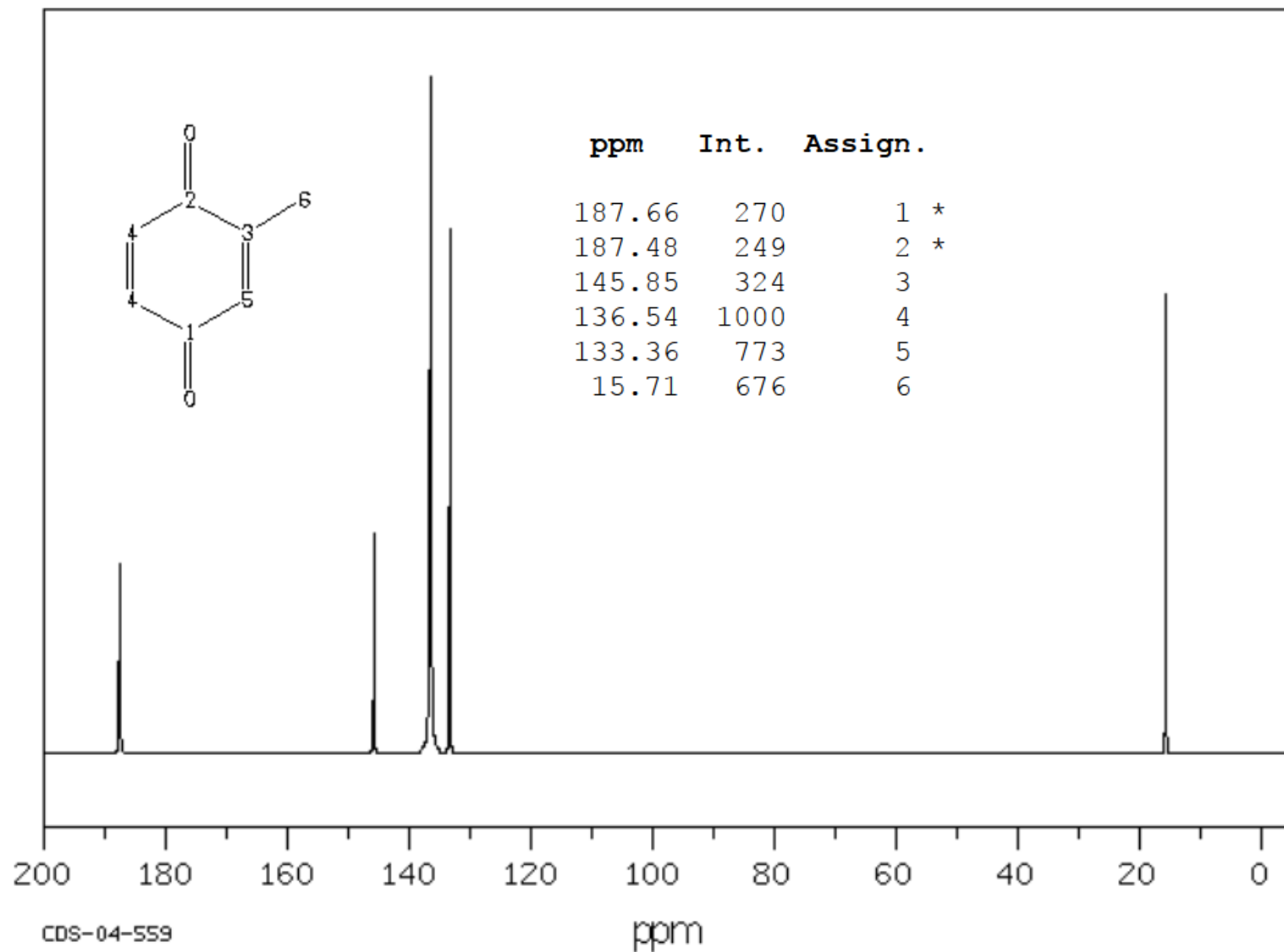
**methyl-p-benzoquinone**

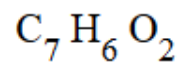
90 MHz



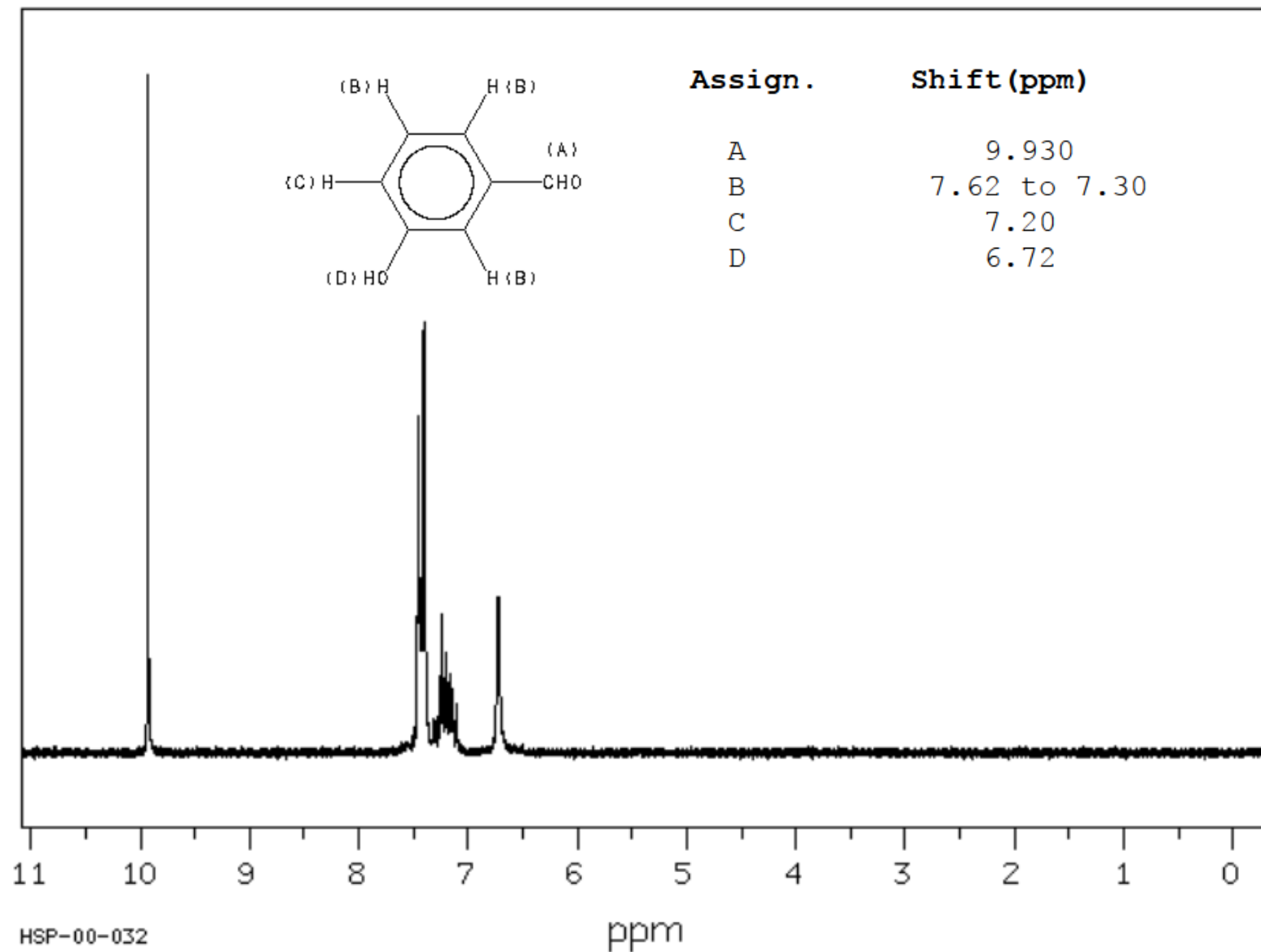
$C_7H_6O_2$

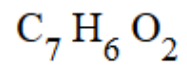
15,09 MHz

methyl-p-benzoquinone

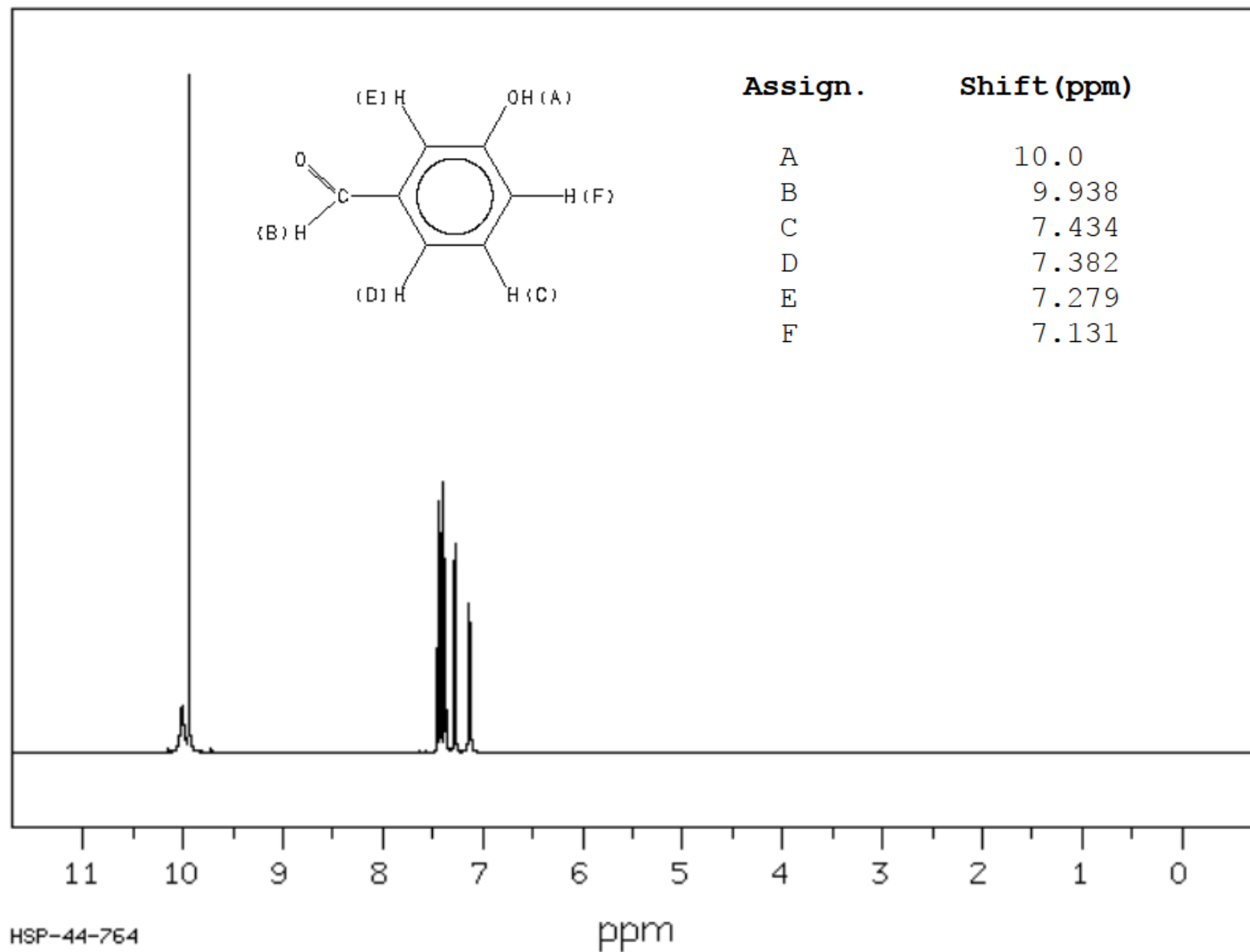


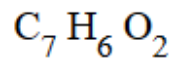
90 MHz

m-hydroxybenzaldehyde

**m-hydroxybenzaldehyde**

400 MHz





m-hydroxybenzaldehyde

25,16 MHz

