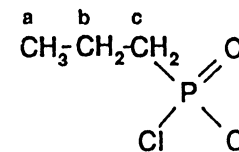
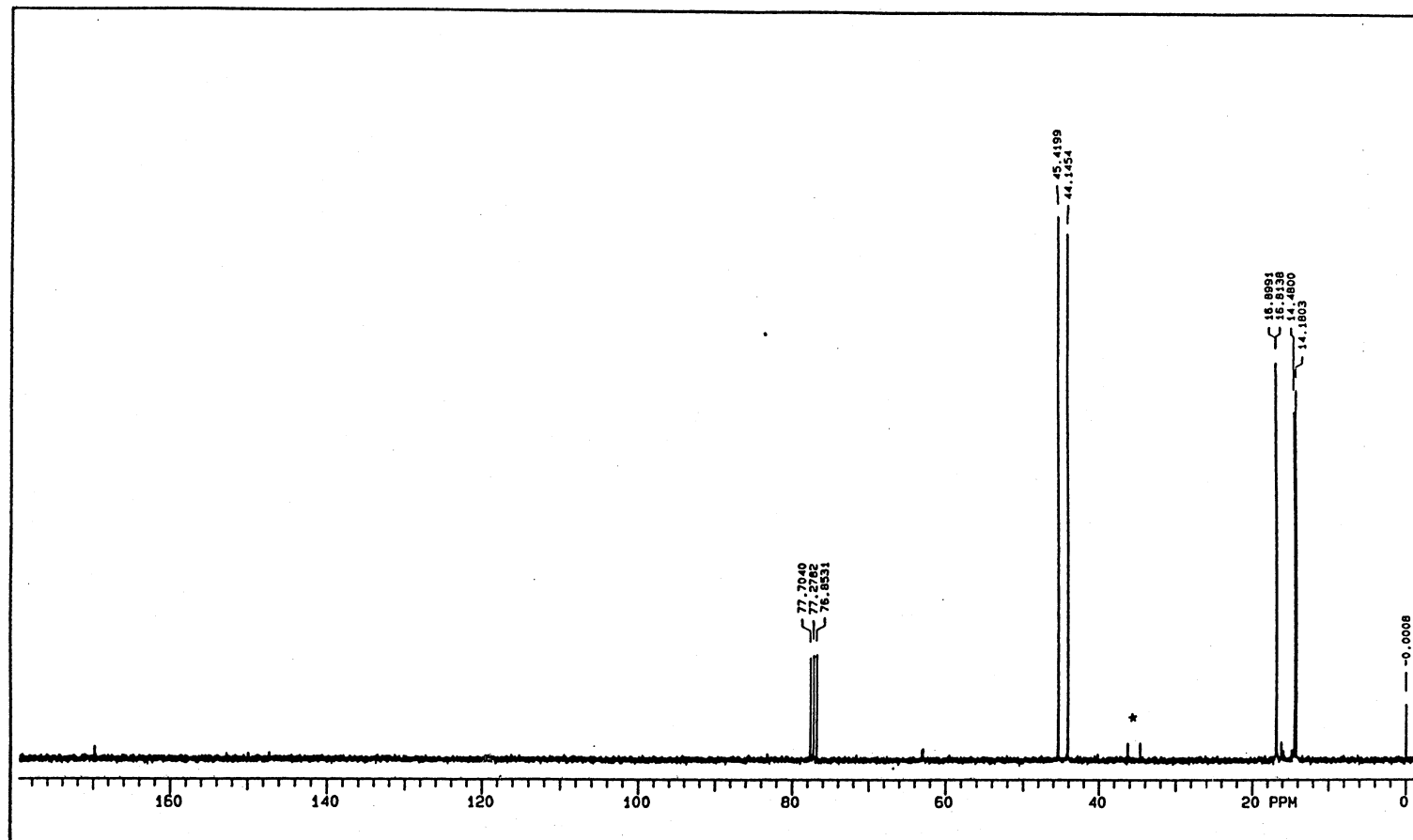


## Propylphosphonic acid dichloride

[4708-04-7]

 $^{13}\text{C}\{\text{H}\}\text{-NMR}$ nuc.  $\delta$  [ppm]

a	14.33
b	16.85
c	44.78

J(a,P)	22.7 Hz
J(b,P)	6.7 Hz
J(c,P)	96.2 Hz

Res. freq. 75.429 MHz  
 Solvent:  $\text{CDCl}_3$   
 Temperature: 24°C  
 Concentration: approx. 100mg/ml  
 Reference: TMS (internal)

Spectral width: 16502 Hz  
 Data points (FID): 54080  
 Data points (spec.): 32K  
 Pulse width: 5.6  $\mu\text{s}$  (38°)  
 Number of scans: 828

Rep.time.: 1.85 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 1.01 Hz (TMS)  
 Instrument: Varian VXR-300  
 Filename: