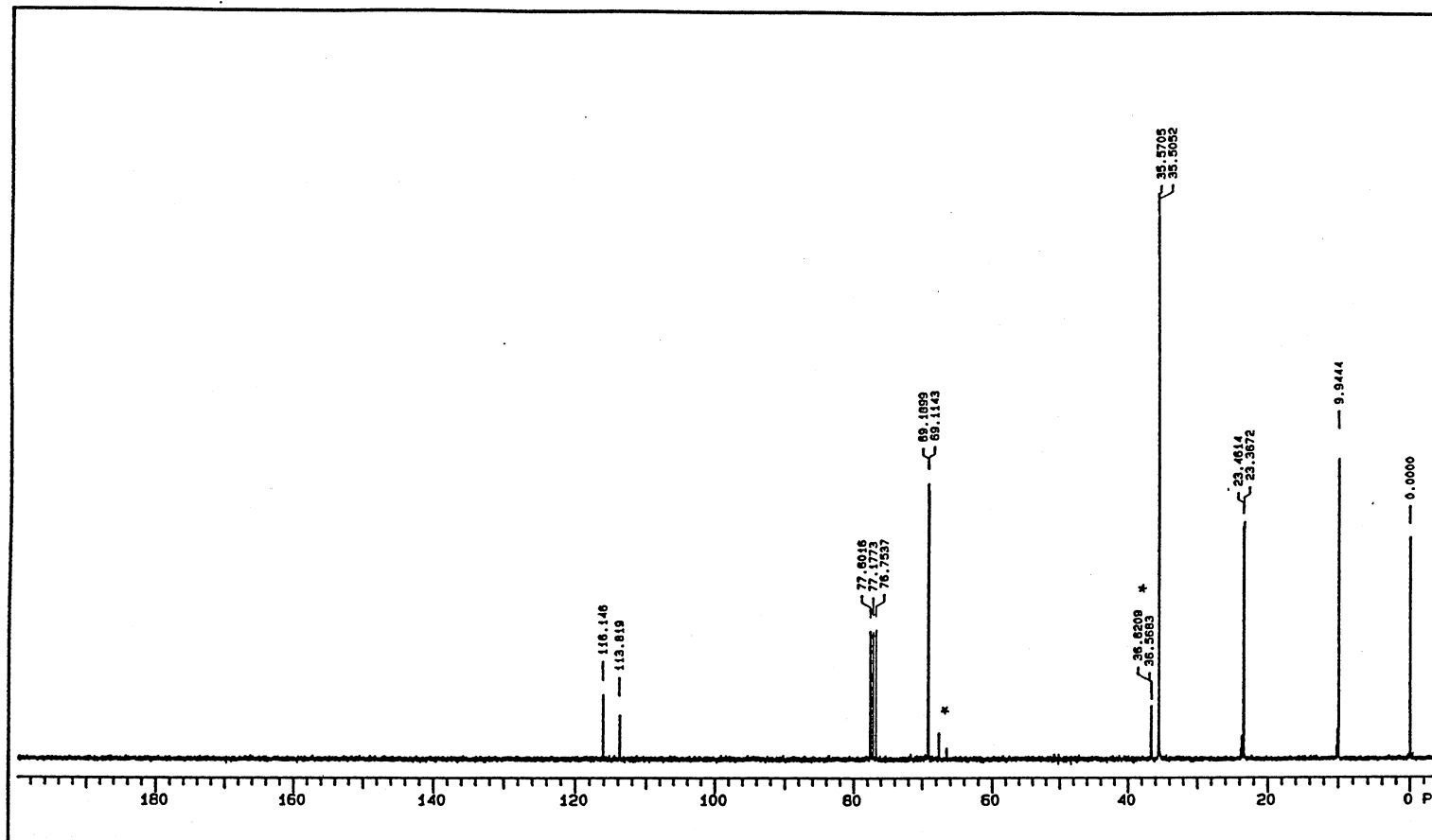
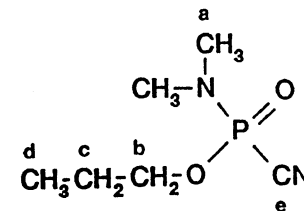


# Propyl N,N-dimethylphosphoramidocyanidate

[ ]

$^{13}\text{C}\{\text{H}\}$ -NMR



nuc.	$\delta$ [ppm]
a	35.53
b	69.15
c	23.41
d	9.94
e	114.98

J(a,P)	5.0 Hz
J(b,P)	5.9 Hz
J(c,P)	7.1 Hz
J(e,P)	175.3 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: 1772

Rep.time.: 1.64 s  
 Line broad.: exp., 0.5 Hz  
 Resolution: 0.71 Hz (TMS)  
 Instrument: Varian VXR-300  
 Filename: SY114E/90 Switzerland