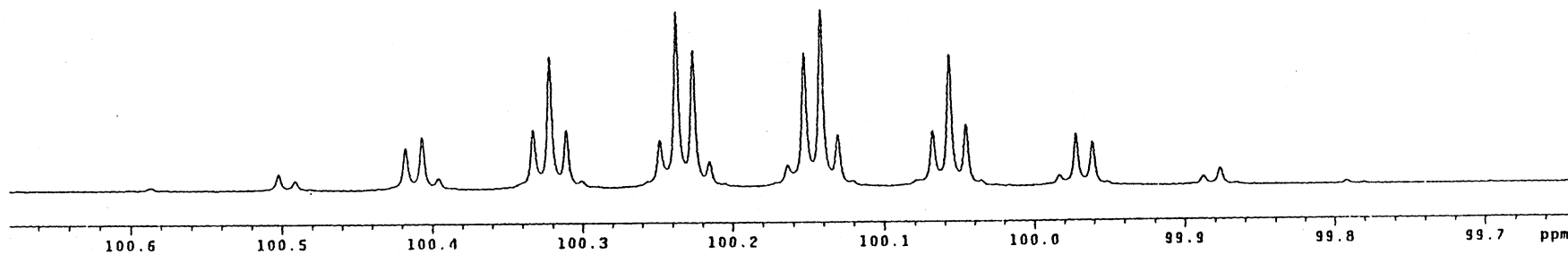
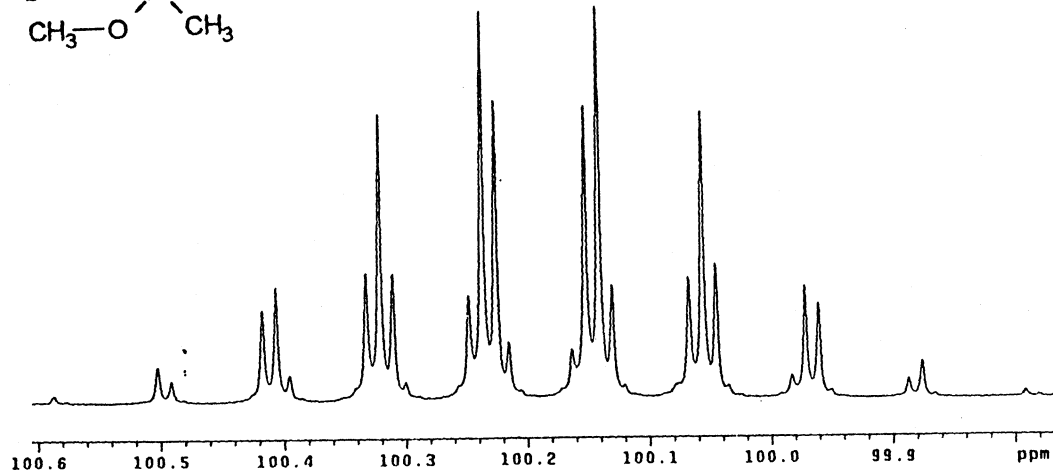
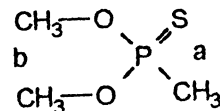


31P-NMR p1124c da-n  
 O,O-dimethyl methylthiophosphonate  
 in ca 0.7ml CDCl3  
 214195126.006 jrn.342;108/200  
 Solvent: CDCl3  
 Temp. 30.0 C / 303.1 K  
 User: pm1  
 File: p1124c  
 VXR-400S "palvvr"  
 PULSE SEQUENCE  
 Relax. delay 3.400 sec  
 Pulse 60.0 degrees  
 Acq. time 6.085 sec  
 Width 168.3 Hz  
 20 repetitions  
 OBSERVE P31, 161.9046990 MHz  
 DATA PROCESSING  
 Line broadening 0.1 Hz  
 FT size 8192  
 Total time 3 minutes

SPECTRAL LINES for th=4.4

rfl= 89.5 rfp= 16223.3  
 res.100.2ppm:0.6Hz

nr	Hz	ppm	intensity
1	16273.46	100.503	4.8
2	16259.74	100.418	12.3
3	16257.93	100.407	15.4
4	16246.01	100.333	17.2
5	16244.24	100.322	38.3
6	16242.44	100.311	17.1
7	16232.33	100.246	14.0
8	16230.52	100.237	51.5
9	16228.71	100.226	39.9
10	16226.99	100.216	7.7
11	16218.60	100.164	6.7
12	16216.84	100.153	39.1
13	16215.03	100.142	52.0
14	16213.26	100.131	15.2
15	16203.11	100.068	16.3
16	16201.30	100.057	38.3
17	16199.54	100.046	18.1
18	16187.62	99.972	15.1
19	16185.81	99.961	12.7
20	16172.09	99.876	4.9



Dimethyl methylthiophosphonate

CAS 681-06-1

Nucleus :

<sup>31</sup>P

Frequency :

161.9 MHz

Concentration :

ca. 177 mg/0.7 ml CDCl<sub>3</sub>Reference H<sub>3</sub>PO<sub>4</sub> external. Res. : 0.6 Hz (100.2) ppm)

Instrument :

Varian VXR 400S

Temperature :

30 °C

Spectral width :

168.3 Hz

Data point (FID) :

2 K

Pulse angle :

10.4 μs (60°)

Number of pulses :

20

Repetition time :

9.5 s

Line broadening :

0.1 Hz

Data points (spec) :

8 K

P: 100.2 ppm

J(aP) : 15.5 Hz

J(bP) : 13.7 Hz