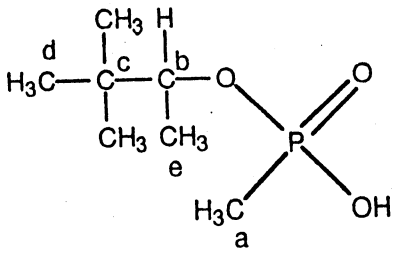
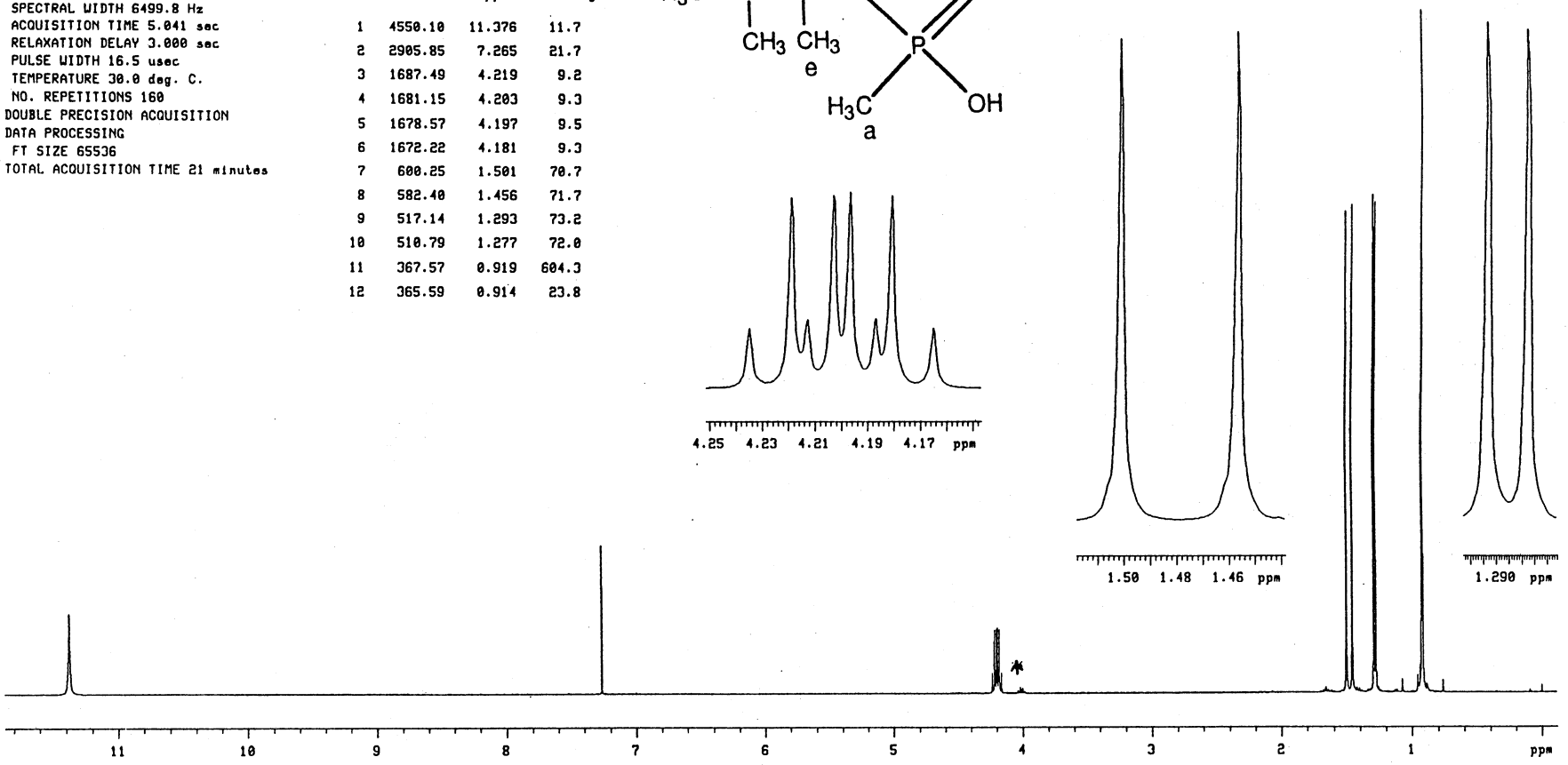
```
1H-NMR hic51a
9512GM29 in CDCl3
213194534 jrn.271;177/200
OBSERVE H1
 FREQUENCY 399.958 MHz
 SPECTRAL WIDTH 6499.8 Hz
 ACQUISITION TIME 5.041 sec
 RELAXATION DELAY 3.000 sec
 PULSE WIDTH 16.5 usec
 TEMPERATURE 30.0 deg. C.
 NO. REPETITIONS 160
DOUBLE PRECISION ACQUISITION
DATA PROCESSING
 FT SIZE 65536
TOTAL ACQUISITION TIME 21 minutes
```

SPECTRAL LINES for th=8.2
rfl= 821.2 rfp= 0.0
TMS internal

nr	Hz	ppm	intensity
1	4550.10	11.376	11.7
2	2905.85	7.265	21.7
3	1687.49	4.219	9.2
4	1681.15	4.203	9.3
5	1678.57	4.197	9.5
6	1672.22	4.181	9.3
7	600.25	1.501	70.7
8	582.40	1.456	71.7
9	517.14	1.293	73.2
10	510.79	1.277	72.0
11	367.57	0.919	604.3
12	365.59	0.914	23.8





Pinacolyl methylphosphonoate (hydroxysoman)
CAS 616-52-4

Nucleus :	^{1}H
Frequency :	400.0 MHz
Concentration :	ca. 21 mg/0.7 ml $CDCl_3$
Reference TMS internal. Resolution :	0.5 Hz (TMS)
Instrument :	Varian VXR 400S

Temperature :	30 °C
Spectral width :	6499.8 Hz
Data point (FID) :	64 K
Pulse angle :	16.5 µs (60°)
Number of pulses :	160
Repetition time :	8.0 s
Line broadening :	not used
Data points (spec) :	64 K

a:	1.48 ppm	J(be):	6.4 Hz
b:	4.20 ppm	J(aP):	17.9 Hz
d:	0.92 ppm	J(bP):	8.9 Hz
e:	1.29 ppm		
OH:	11.4 ppm		