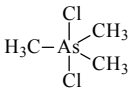
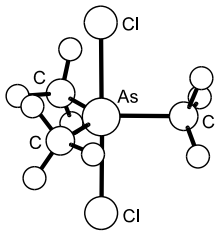
444 **$C_3H_9AsCl_2$** **Dichlorotrimethylarsorane** **C_{3h}** assumed
ED, *ab initio* calculations
Dichlorotrimethylarsenic(V)



r_a	Å [a])	θ_a	deg [a])
As–Cl	2.349(3)	As–C–H [b])	109.5(8)
As–C	1.925(2)		
C–H [b])	1.099(5)		

Methyl groups were assumed to have C_{3v} symmetry and to be oriented in such a manner that one C–H bond of each group was eclipsed with respect to the adjacent As–C bond. The C_{3v} conformer gave a poorer fit, but could not be ruled out. HF/6-31G* calculations predicted that the C_{3v} conformer was more stable than C_{3h} by 1.19 kJ mol^{-1}.
The nozzle temperature was 92…101 °C.



[a]) Estimated standard errors.
[b]) Mean value.

Greene, T.M., Downs, A.J., Pulham, C.R., Haaland, A., Verne, H.P., Volden, H.V., Timofeeva, T.V.: Organometallics **17** (1998) 5287.