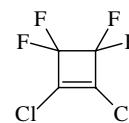
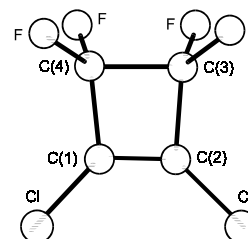


1462 **C₄Cl₂F₄**ED, *ab initio* calculations
(HF/6-31G*)**1,2-Dichloro-3,3,4,4-tetrafluorocyclobutene****C_{2v}**

r_g	Å ^{a)}	θ_α	deg ^{a)}
C–F	1.340(2)	F–C–F	108.2(4)
C(1)=C(2)	1.359(9)	C(1)=C(2)–C(3)	94.6(2)
C–C	1.500(6)	C(1)=C(2)–Cl	133.9(3)
C–Cl	1.687(3)	γ ^{b)}	2.4(13)



The nozzle temperature was 20 °C.

^{a)} Twice the estimated standard errors.^{b)} CF₂ wag: the angle between the bisectors of C–C–C and F–C–F, defined as positive when the two CF₂ groups are tilted toward each other.Thomassen, H., Hedberg, K.: J. Phys. Chem. **94** (1990) 4847.