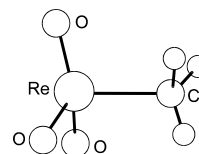
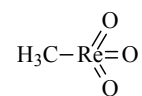


126  
MW**CH<sub>3</sub>O<sub>3</sub>Re****Methylrhenium trioxide**  
Methyltrioxorhenium**C<sub>3v</sub>**

$r_0$	Å
Re–C	2.074(4)
C–H	1.088(7)
Re=O	1.703(2)

$\theta_0$	deg
Re–C–H	108.9(2)
C–Re=O	106.4(4)



The complex appears to have C<sub>3v</sub> symmetry in the gas phase, unlike the solid-state structure.

Wikrent, P., Drouin, B.J., Kukolich, S.G., Lilly, J.C., Ashby, M.T., Herrmann, W.A., Scherer, W.: J. Chem. Phys. **107** (1997) 2187.

$r_s$	Å
Re–C	2.080(6)

Atom	$a_s$ [Å] <sup>12</sup> CH <sub>3</sub> <sup>185</sup> ReO <sub>3</sub>	$a_s$ [Å] <sup>13</sup> CH <sub>3</sub> <sup>187</sup> ReO <sub>3</sub>
C	2.037	2.029
Re	0.043	0.050

Sickafoose, S. M., Wikrent, P., Drouin, B.J., Kukolich, S.G.: Chem. Phys. Lett. **263** (1996) 191.

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