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As₂B₁₀H₁₀ 1,2-As ₂ B ₁₀ H ₁₀	1,2-Diarsadodecaborane(10) Structure by ED and ab initio calculations <i>R. McLellan, N. M. Boag, K. Dodds, D. Ellis, S. A. Macgregor, D. McKay, S. L. Masters, R. Noble-Eddy, N. P. Platt, D. W. H. Rankin, H. E. Robertson, G. M. Rosair, and A. J. Welch</i> Dalton Trans., 40 (2011), 7181
B₁₀H₁₀P₂ 1,2-P ₂ B ₁₀ H ₁₀	1,2-Diphosphadodecaborane(10) Structure by ED and ab initio calculations <i>R. McLellan, N. M. Boag, K. Dodds, D. Ellis, S. A. Macgregor, D. McKay, S. L. Masters, R. Noble-Eddy, N. P. Platt, D. W. H. Rankin, H. E. Robertson, G. M. Rosair, and A. J. Welch</i> Dalton Trans., 40 (2011), 7181
C₂F₆O₂S₂ CF ₃ SO ₂ SCF ₃	1,1,1-Trifluoromethanesulfonyl sulfonic acid S-trifluoromethyl ester Structure by ED and ab initio calculations <i>S. L. Masters, D. A. Wann, H. E. Robertson, D. W. H. Rankin, A. Ben Altabef et al.</i> Manuscript in preparation.
C₂H₆Br₄Si₂ Br ₃ SiSiBrMe ₂	1,1,1,2-Tetrabromo-2,2-dimethyldisilane Structure by ED and ab initio calculations <i>S. L. Masters, H. E. Robertson, K. Hassler et al.</i> Manuscript in preparation.
C₃H₆Cl₃N N(CH ₂ Cl) ₃	Tris(chloromethyl)amine Structure by ED and computational methods <i>N. W. Mitzel, J. T. Schirlin, S. L. Masters, D. W. H. Rankin et al.</i> Manuscript in preparation.
C₃H₉Br₃Si₂ Br ₃ SiSiMe ₃	1,1,1-Trimethyl-2,2,2-tribromodisilane Structure by ED and ab initio calculations <i>S. L. Masters, H. E. Robertson, M. Hölbling, K. Hassler, C. Mitofan, and W.-W. du Mont</i> Manuscript in preparation.
C₃H₉Cl₃Si₂ Me ₃ SiSiCl ₃	1,1,1-Trichloro-2,2,2-trimethyldisilane Structure by ED and ab initio calculations <i>S. L. Masters, H. E. Robertson, M. Hölbling, K. Hassler, C. Mitofan, and W.-W. du Mont</i> Manuscript in preparation.
C₃H₉F₃Si₂ F ₃ SiSiMe ₃	1,1,1-Trifluoro-2,2,2-trimethyldisilane Structure by ED and ab initio calculations <i>S. L. Masters, H. E. Robertson, M. Hölbling, K. Hassler, C. Mitofan, and W.-W. du Mont</i> Manuscript in preparation.
C₃H₁₂Si₂ H ₃ SiSiMe ₃	Trimethylsilylsilane Structure by ED and ab initio calculations <i>S. L. Masters, H. E. Robertson, M. Hölbling, K. Hassler, C. Mitofan, and W.-W. du Mont</i> Manuscript in preparation.

C₅H₉P ButCP	Tert-butylphosphaethyne Structure by ED and ab initio calculations <i>D. A. Wann, S. L. Masters, H. E. Robertson, M. Green, R. J. Kilby, C. A. Russell, C. Jones, and D. W. H. Rankin</i> Dalton Trans., 40 (2011), 5611
C₆H₄BrF C ₆ H ₄ BrF	1-Bromo-4-fluorobenzene Structure by ED and ab initio calculations <i>S. L. Masters, I. D. Mackie, D. A. Wann, H. E. Robertson, D. W. H. Rankin, and S. Parsons</i> Struct. Chem., 22 (2011), 279
C₆H₄ClF C ₆ H ₄ ClF	1-Chloro-4-fluorobenzene Structure by ED, ab initio calculations and X-ray diffraction <i>S. L. Masters, I. D. Mackie, D. A. Wann, H. E. Robertson, D. W. H. Rankin, and S. Parsons</i> Struct. Chem., 22 (2011), 279
C₆H₈O₄	2,2-Dimethyl-1,3-dioxane-4,6-dione (Meldrum's acid) Structure by ED and ab initio calculations <i>R. Noble-Eddy, H. E. Robertson, and S. L. Masters</i> Manuscript in preparation.
C₆H₁₂F₆Si₂ CF ₃ Me ₂ SiSiMe ₂ CF ₃	1,2-Trifluoromethyl-1,1,2,2-tetramethyldisilane Structure by ED, X-ray diffraction and ab initio calculations, interpretation of Raman spectra <i>S. L. Masters, D. A. Wann, H. E. Robertson, F. Lennox, D. W. H. Rankin, I. Arnason, K. Hassler et al.</i> Manuscript in preparation.
C₇H₁₆Cl₃PSi (tBu)(iPr)PSiCl ₃	(tert-Butyl)(iso-propyl)(trichlorosilyl)phosphine Structure by ED and ab initio calculations <i>E. Seppälä, W.-W. du Mont, S. L. Masters, D. W. H. Rankin, and H. E. Robertson</i> Manuscript in preparation.
C₉H₂₄Br₄Si₄ C(SiMe ₂ Br) ₄	Tetrakis(bromodimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₉H₂₄Cl₄Si₄ C(SiMe ₂ Cl) ₄	Tetrakis(chlorodimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₉H₂₄F₄Si₄ C(SiMe ₂ F) ₄	Tetrakis(fluorodimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₉H₂₈Si₄ C(SiMe ₂ H) ₄	Tetrakis(dimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, S. Young, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₁₀H₁₈ClP₃ P ₂ C(t-Bu) ₂ PCl	3-Chloro-2,4-bis(1,1-dimethylethyl)-1,3,5-triphosphatricyclo[2.1.0.0^{2,5}]pentane Structure by ED and computational methods <i>D. A. Wann, S. L. Masters, H. E. Robertson, M. Green, R. J. Kilby, C. A. Russell, C. Jones, and D. W. H. Rankin</i> Dalton Trans., 40 (2011), 5611

C₁₁H₃₀Br₂Si₄ C(SiMe ₃) ₂ (SiMe ₂ Br) ₂	Bis(bromodimethylsilyl)bis(trimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₁₁H₃₀Cl₂Si₄ (Me ₃ Si) ₂ C(SiClMe ₂) ₂	Bis(chlorodimethylsilyl)bis(trimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₁₁H₃₂Si₄ C(SiMe ₃) ₂ (SiMe ₂ H) ₂	Bis(dimethylsilyl)bis(trimethylsilyl)methane Structure by ED and computational methods <i>D. A. Wann, K. Bätz, M. S. Robinson, P. D. Lickiss, S. L. Masters, H. E. Robertson, and D. W. H. Rankin</i> Manuscript in preparation.
C₁₄H₁₄O₂S (C ₆ H ₅ CH ₂) ₂ SO ₂	Dibenzyl sulfone Structure by ED and ab initio / DFT methods <i>R. Noble-Eddy, H. E. Robertson, and S. L. Masters</i> Manuscript in preparation.
C₁₈H₅₄Si₈ (SiMe ₃) ₃ SiSi(SiMe ₃) ₃	Hexakis(trimethylsilyl)disilane Vibrational spectra and structure by ED and ab initio calculations <i>K. Hassler, H. E. Robertson, S. L. Masters et al.</i> Manuscript in preparation.
O₆Sb₄ Sb ₄ O ₆	antimony oxide dimer Structure by ED and computational methods using new nozzle <i>S. L. Masters, G. V. Girichev, and S. A. Shlykov</i> Manuscript complete.