

Exact Masses of Common Elements and Isotopes

isotope	mass	natural abundance	
^1H	1.00782	99.985	
^2H	2.01410	0.015	
^{12}C	12.0000	98.892	
^{13}C	13.00335	1.108	(1.11%)
^{14}N	14.00307	99.634	
^{15}N	15.00010	0.366	(0.38%)
^{16}O	15.99491	99.763	
^{17}O	16.99913	0.037	(0.04%)
^{18}O	17.99916	0.200	(0.20%)
^{19}F	18.99840	100.000	
^{35}Cl	34.96885	75.77	
^{37}Cl	36.96590	24.23	(32.5%)
^{79}Br	78.91839	50.69	
^{81}Br	80.91642	49.31	(98%)
^{127}I	126.90447	100.000	

mass= 58

N_3O	58.0042
N_4H_2	58.0280
CNO_2	57.9929
$\text{CH}_2\text{N}_2\text{O}$	58.0167
CH_4N_3	58.0406
$\text{C}_2\text{H}_2\text{O}_2$	58.0054
$\text{C}_2\text{H}_4\text{NO}$	58.0293
$\text{C}_2\text{H}_6\text{N}_2$	58.0532
$\text{C}_3\text{H}_6\text{O}$	58.0419
$\text{C}_3\text{H}_6\text{N}$	58.0657
C_4H_{10}	58.0783