

# Sources in SPECTRA

This guide lists a selection of the more important sources of information on Spectra and Spectral Data available at Concordia Libraries. It includes material held in the Webster Library (WEB) on the Sir George Williams Downtown Campus, in the Vanier Library (VAN) on the Loyola Campus and/or available online. Most materials are located in the Reference area (REF). **This is not a complete list.** Additional resources may be found by searching CLUES, the library catalogue.

For more information, consult the **Research Guides by Subject** available on the Libraries' Web site at <http://library.concordia.ca/research/subjects/> or contact the reference librarian.

## Actual Spectra

### IR

|                                                                                      |                                      |
|--------------------------------------------------------------------------------------|--------------------------------------|
| Aldrich Library of Infrared Spectra – 2 vol. – Index in Part II                      | REF QD 96 I5P67 1981 VAN             |
| Aldrich Library of FT-IR Spectra – 3 vol.                                            | REF QC 457 P87 1997 VAN              |
| Handbook of Infrared & Raman Spectra of Inorganic Compounds & Organic Salts – 4 vol. | REF QC 457 N927 1997 VAN             |
| Infrared Spectra of Inorganic Compounds                                              | REF QC 457 N93 1971 VAN              |
| Infrared Vapour Spectra                                                              | QD 95 W416 VAN 3 <sup>rd</sup> floor |
| Interpreted Infrared Spectra – 3 vol.                                                | REF QC 457 S9 VAN                    |
| Sadtler Handbook of Infrared Spectra                                                 | REF QC 453 S73 1978 VAN              |
| Sigma Library of FT-IR Spectra – 2 vol.                                              | REF QD 96 I5K45 1986 VAN             |

### MASS

|                                                        |                            |
|--------------------------------------------------------|----------------------------|
| Eight Peak Index of Mass Spectra – 3 vol.              | REF QC 454 M3E42X 1986 VAN |
| Handbook of Mass Spectra of Environmental Contaminants | REF TD 193 H57 1992 WEB    |
| Registry of Mass Spectral Data – 4 vol.                | REF QC 454 M3S74 VAN       |

### NMR

|                                                                               |                           |
|-------------------------------------------------------------------------------|---------------------------|
| Aldrich Library of <sup>13</sup> C and <sup>1</sup> H FT NMR Spectra – 3 vol. | REF QD 96 F68P67 1993 VAN |
| Aldrich Library of NMR Spectra – 2 vol.                                       | REF QC 762 P69 1983 VAN   |
| Carbon-13 NMR Spectra                                                         | REF QC 462 C4J64 VAN      |
| Sadtler Handbook of Proton NMR Spectra – 2 vol.                               | REF QC 454 N8S2X VAN      |

### RAMAN/IR

|                                                                                      |                             |
|--------------------------------------------------------------------------------------|-----------------------------|
| Handbook of Infrared & Raman Spectra of Inorganic Compounds & Organic Salts – 4 vol. | REF QC 457 N927 1997 VAN    |
| Raman/Infrared Atlas of Organic Compounds                                            | REF QD 272 S6S3713 1989 VAN |

### UV AND VISIBLE

|                                                                          |                         |
|--------------------------------------------------------------------------|-------------------------|
| Absorption Spectra in the Ultraviolet and Visible Region – 24 vol.       | REF QC 454 A2A2X VAN    |
| Atlas of Protein Spectra in the Ultraviolet and Visible Regions – 2 vol. | REF QC 463 P7K5 WEB VAN |
| Organic Electronic Spectral Data – 4 vol.                                | REF QC 437 O65 VAN      |
| Sadtler Handbook of Ultraviolet Spectra                                  | REF QC 459 S3 VAN       |

### MISCELLANEOUS

|                                                                                                               |                                       |
|---------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Absorption Spectra of Minor Bases, their Nucleosides, Nucleotides and Selected Oligoribonucleotides           | QD 431 V473 VAN 3 <sup>rd</sup> floor |
| Electronic Absorption Spectra of Radical Ions                                                                 | REF QD 471 S535 1988 VAN              |
| Handbook of Organic Compounds: NIR, IR, Raman, and UV-Vis Spectra Featuring Polymers and Surfactants – 3 vol. | REF QD 257.7 W67 2001 VAN             |



## *Spectral Data*

---

**IR**

Infrared Band Handbook – 2 vol.

Infrared Spectra of Inorganic Compounds (3800-45cm<sup>-1</sup>)

Infrared Spectra of Minerals and Related Inorganic Compounds

Tabulation of Infrared Spectral Data

REF QC 457 S983 WEB VAN

REF QC 457 N927 1997 VAN

REF QD 96 I5G3 VAN

REF QC 457 D64 VAN

QC 457 D64 VAN 3<sup>rd</sup> floor**IR, RAMAN**

Index of Vibrational Spectra of Inorganic and Organometallic Compounds

Infrared and Raman Spectra of Inorganic and Coordination Compounds

REF QC 453 G74 VAN

QD 96 I5N33 2009 VAN Circulation Desk

QC 463 O7M35 VAN 3<sup>rd</sup> floor

Vibrational Spectra of Organometallic Compounds

**MASS**

Atlas of Mass Spectral Data – 3 vol.

Compilation of Mass Spectral Data – 2 vol.

Eight Peak Index of Mass Spectra – 3 vol.

Index of Mass Spectral Data

Mass Spectral and GC data of Drugs, Poisons, Pesticides, Pollutants, and their Metabolites

REF QC 453 S75 VAN

REF QD 96 M3C67 VAN

REF QC 454 M3E42X 1986 VAN

REF QC 453 A44 1969 VAN

REF RS 189 P425 1992 VAN

**MASS, IR, NMR, UV**Atlas of Spectral Data and Physical Constants  
for Organic Compounds – 6 vol.

Spectral Atlas of Polycyclic Aromatic Compounds – 3 vol.

Spectral Data of Natural Products

[Structure Determination of Organic Compounds](#) + CD-ROM

REF QD 257.7 G7 1975 VAN WEB

REF QD 341 H9S6354 1985 VAN

REF QC 453 Y35 VAN

REF QC 462.85 T313 2009 VAN  
**ONLINE****NMR**

Atlas of Carbon-13 NMR data – 3 vol.

Handbook of NMR Spectral Parameters: Tabulated High-Resolution  
Chemical Shifts and Coupling Constants for Organic Compounds  
According to Spin System – 3 vol.

NMR Data Tables for Organic Compounds

Nuclear Magnetic Resonance Spectra and Chemical Structure

REF QC 462 C1B73 1979 VAN

REF QC 453 H32X VAN

QC 762 B6 V.1 VAN 3<sup>rd</sup> floor

REF QD 476 B74 VAN

**MISCELLANEOUS**

Coincidence Tables for Atomic Spectroscopy

[Handbook of X-Ray Data](#)

Spectroscopic Properties of Inorganic and Organometallic Compounds – 13 vol.

Tables of Spectral Lines

REF QC 453 K8 VAN

REF QD 96 X2Z73 VAN **ONLINE**REF QD 95 S636 VAN 3<sup>rd</sup> floor

REF QC 453 Z313 1970 VAN

If the required information cannot be found in any of these sources try the [SciFinder](#) database.

---

*If you need assistance, please ask at the Reference Desk*

**Contact****Krista Alexander, Chemistry Librarian**

Telephone: 848-2424, ext. 5237

E-mail: [krista.alexander@concordia.ca](mailto:krista.alexander@concordia.ca)*Last modified: June 2014*

**See also Sources in related topics:** Sources in **Chemistry & Biochemistry**, and Sources in **Chemistry, Organic**