

## **Donald J. Harvan**

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### **Summary:**

- Skilled scientist with practical knowledge of the interactions of science, business, and people.
- Clear and concise communication skills.
- Strong problem solving skills.
- A persistent and determined nature in achieving goals.
- Organic and analytical chemistry background with expert skills in usage and interpretation of mass spectrometric data.
- Hands on experience with numerous mass spectrometric systems, including operation and troubleshooting.
- Fast learner with hardware and software packages of all types.

**Education:** Duke University, NC, 1970. M. A., Chemistry

Michigan State Univ., MI, 1967, B. S., Chemistry

### **Employment History:**

**2004** – Scientist Associate, Chatham Research, Ltd.

**2004** – Scientist, Eno River Labs, LLC, Durham, NC

**1985 to 2004** - Triangle Laboratories, Inc., Durham, NC - positions in all phases of operations, including: Vice President of Operations, involved with finance, quality assurance, project management, sales, marketing and research and development.

**1969 - 1985** Chemist, National Institute of Environmental Health Sciences, Research Triangle Park, NC. Research on all aspects of analytical mass spectrometry.

### **Research interests:fc**

Application of GC/MS and LC/MS/MS for the identification of unknowns and for analysis for trace levels of materials in a variety of matrices. Skilled in separation sciences and mass spectrometric techniques.

**Awards:**

1967 Graduated "cum laude" from Michigan State University.

1974 Invited symposium speaker at 168th National Meeting, ACS; Symposium on Mycotoxins and Toxic Phytoalexins, Atlantic City, NJ

1980 Invited symposium speaker at the Asilomar Conference on Mass Spectrometry/Mass Spectrometry, Monterey, CA

1980 Invited speaker on MS/MS at Joint Meeting of the North Carolina/Central North Carolina sections on the ACS, Durham, NC

**Professional Organizations:**

American Society for Mass Spectrometry - member since 1976

**Patent:**

United States Patent 6,004,572

Time release delivery system, Harvan; Donald J. (Durham, NC); Pfaender; Frederic K. Chapel Hill, NC), December 21, 1999

**BOOK CHAPTERS**

"Handbook of GC/MS Data and Information for Selected Clean Air Act Amendment Compounds", Merrill Jackson, EPA Proj. Off., AREAL, RTP, NC, Joann Rice, Joan T. Bursey, James F. McGaughey, Raymond G. Merrill, Jr., Radian Corp., RTP, NC, Donald J. Harvan, Triangle Laboratories, Inc., Durham, NC., EPA # 68-D1-0010, Nov., 1993.

Harvan, D. J. and Pero, R. W.: The toxicity and structure of the Alternaria metabolites. Advances in Chemistry series #149, "Mycotoxins and other fungal related food problems", J. V. Rodricks (ed.), 344-355, ACS, Washington D. C., 1976.

Friesen, M. D., Hass, J. R., Harvan, D.J., and Parker, C. E.: "Determination of polychlorinated dibenzo-p-dioxins: in Mass Spectrometry, part B, Merritt, C. and McEwen, C. N. (eds.), Marvel-Dekker, New York, NY, 1980, pp. 1324-1327.

**RESEARCH PUBLICATIONS IN EDITED JOURNALS**

Pero, R. W., Owens, R. G., Dale, S. W., and Harvan, D. J.: Isolation and identification of a new toxin, altenuene, from the fungus. *Alternaria tenuis*. *Biochem. Biophys. Acta*, 230: 171-179, 1971.

Pero, R. W., Owens, R. G., and Harvan, D. J.: Gas and thin-layer chromatographic methods for analysis of the mycotoxins, altenuene, alternariol and alternariol methyl ether. *Anal. Biochem.*, 43(1): 80-88. 1971.

Lucas, G. B., Pero, R. W., Snow, J. P., and Harvan, D. J.: Analysis of tobacco for the alternaria toxins, alternariol and alternariol monomethyl ether. *J. Agric. Food Chem.*, 19(6), 1274-1275, 1971.

Bradsher, C. K. and Harvan, D. j.: The stereochemistry of the addition of N-arylmaleimides to the acridizinium ion. *J. Org. Chem.*, 36(24), 3778-3781, 1971.

Pero, R. W., Harvan, D. J., and Owens, R. G.: A gas chromatographic method for the mycotoxin, penicillic acid. *J. Chromatog.*, 65, 501-506. 1972.

Snow, J. P., Lucas, G. W., Harvan, D. j., Pero, R. W., and Owens, R. G.: Analysis of tobacco and smoke condensates for penicillic acid. *Appl. microbiol.*, 24(1), 34-36, 1972.

Pero, R. W., Harvan, D. J., and Blois, M. C.: Isolation of the toxin, altenuisol, from the fungus, *alternaria tenuis* auct. *Tetrahedron letters*, 12, 945-948. 1973.

Pero, R. W. and, Harvan, D. J.: Simultaneous detection of metabolites from several toxigenic fungi. *J. Chromatog.*, 80(2), 255-258, 1973.

Pero, R. W., Posner, H., Blois, M.C., Harvan, D. J., and Spalding, J. W.: Toxicity of metabolites produced by the *Alternaria*. *Environ. Health Persp.*, 89-96, May, 1973

McPhail, A.S., Miller, R. W., Pero, R. W., and Harvan, D. J.: Structure revision for the fungal metabolite (+-) altenuene. *J. Chem. Soc., Chem. Comm.*, p. 682, 1973.

Harvan, D. J. and Pero, R. W.: Gas chromatographic analysis of the *Alternaria* metabolite, tenuazonic acid. *J. Chromatog.*, 101, 222-224, 1974.

Lieberman, M. W., Harvan, D. J., Amacher, D. E., and Patterson, J. B.: Effect of Hg and Ag on cesium sulfate equilibrium buoyant densities of synthetic polydeoxyribonucleotides. *Biochem. Biophys. Acta*, 425, 265-277, 1976.

Harvan, D. J., Hass, J. R., and Lieberman, M. W.: Adduct formation between the carcinogen N-acetoxyacetylaminofluorene and synthetic polydeoxyribonucleotides. *Chem. - Biol. Interactions*, 17, 203-210. 1977.

Hass, J. R., McConnell, E. E., and Harvan, D. J.: Chemical and toxicologic evaluation of Firemaster BP-6. *J. Agric. and Food Chem.*, 26, 94-99, 1978.

Hass, J. R., Friesen, M. D., Harvan, D. J., and Parker, C. P.: Analytical applications of negative chemical ionization mass spectrometry. I. polychlorinated dibenzo-p-dioxins in biological samples. *Anal. Chem.*, 50, 1474-1479, 1978.

Goldstein, J. A., Hass, J. R., Linko, P., and Harvan, D. J.: 2, 3, 7, 8-tetrachlorodibenzofuran in a commercially available 99% pure polychlorinated biphenyl isomer identified as the inducer of hepatic cytochrome P-448 and aryl hydrocarbon hydroxylase in the rat. *Drug metab. Disp.*, 6, 258-264, 1978.

Hass, J. R., Harvan, D. J. and Bursey, M. M.: Mass-analyzed ion kinetic energy spectra of the M+1 ions of aliphatic esters produced by chemical ionization. *Anal. Chem.*, 105, 129-137, 1979.

Hass, J. R., Bursey, M. M., Levy, L. A., and Harvan, D. J.: Structural correlations with kinetic energy release during loss of chlorine from nineteen selected polychlorinated biphenyls. *Org. Mass Spectrom.*, 14, 319-325, 1979.

Bursey, M. M., Hass, J. R., and Harvan, D. J.: The non-existence of gaseous cyclopentadienyl cations: an overdue correction to the literature using collision-induced decompositions and charge-stripping of negative ions. *Tetrahedron Letters*, 4725-4728, 1979.

Bursey, M. M., Harvan, D. J., Parker, C. E., and Hass, J. R.: Consequences of charge reversal in gaseous alkoxide ions. Oxonium ions. *J. Am. Chem. Soc.*, 101(19), 5485-5488, 1979.

Bursey, M. M., Harvan, D. J., Parker, C. E., Pedersen, I. G., and Hass, J. R.: Consequences of charge reversal of gaseous formate and acetate ions. Acyloxy ions. *J. Am. Chem. Soc.*, 101(19), 5489-5492, 1979.

Harvan, D. J., Hass, J. R., Busch, K. L., Bursey, M. M., Ramirez, R., and Meyerson, S.: The direct observation of the monomeric metaphosphate anion. *J. Am. Chem. Soc.*, 101, 7409. 1979.

Harvan, D. J., Hass, J. R., Albro, P. W., and Friesen, M. D.: Mass spectrometry of di-(2-ethylhexyl) phthalate metabolites. *Biomedical mass Spectrom.*, 7(10), 242-246, 1980.

Friesen, M. D., Hass, J. R., Harvan, D. J., and Parker, C. E.: Negative ion chemical ionization mass spectrometry. Determination of polychlorinated dibenzo-p-dioxins. *Pract. Spectroscop.*, 3, 316-324, 1980.

Busch, K. L., Parker, C. E., Harvan, D. J., Bursey, M. M., and Hass, J. R.: Negative ion mass spectra of organic nitriles. *Appl. Spectroscopy*, 35, 85-88, 1981.

Lehman, T. A., Harvan, D. J., and Hass, J. R.: Bond breaking in collision induced dissociation: a study of carbon cage fragmentation in cubane, kepone, and mirex. *Org. Mass Spectrom.*, 15, 437-439, 1980.

Harvan, D. J., Nystrom, J. A., Grady, W. I., Voyksner, R. D., Cerny, R. I., Bursey, M. M., Yinon, J., and Hass, J. R.: Comparison of low and high energy collision induced decompositions of selected methyl ketones. *Anal. Letters*, 14, 985-993, 1981.

Harvan, D. J., Hass, J. R., Schroeder, J. I., and Corbett, B. J.: Detection of 2, 3, 7, 8, -tetrachlorodibenzo-p-dioxins in air filter samples. *Anal. Chem.*, 53, 1755-1759, 1981.

Harvan, D. J., Hass, J. R., and Wood, D.: Exact mass measurements with a computer controlled peak-matching system. *Anal. Chem.*, 54, 332-334, 1982.

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Lehman, T. A., Bursey, M. M., Harvan, D. J., Hass, J. R., Liotta, D., and Waykole, L.: Comparison of collisional activation spectra of some positive ions produced both by charge reversal of negative ions and by decomposition of positive ions. *Org. Mass Spectrom.*, 17(12), 607-611, 1982.

Parker, C. E., Voyksner, R. D., Tondeur, Y., Henion, J. D., Harvan, D. J., Hass, J. R., and Yinon, J.: Analysis of explosives by liquid chromatography- negative ion chemical ionization. *J. Forensic Sci.*, 27, 495-505, 1982.

Parker, C. E., Haney, C. A., Harvan, D. J., and Hass, J. R.: High pressure liquid chromatography/mass spectrometry of triazine herbicides. *J. Chromatog.*, 242, 77-96, 1982.

Walther, H. J., Parker, C. E., Harvan, D. J., Voyksner, R. D., Hernandez, O. H., Hagler, W. M., Hamilton, P. B., and Hass, J. R.: Fast atom bombardment mass spectrometry of aflatoxins and reaction products of sodium bisulfite with aflatoxins. *J. Agric. Food Chem.*, 31, 168-171, 1983.

Boyd, J. A., Harvan, D. J., and Eling, T. E.: The oxidation of 2- aminofluorene by prostaglandin endoperoxide synthetase. *J. Biol. Chem.*, 258(13), 8246-8254, 1983.

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Bursey, M. M., Harvan, D. J., Parker, C. E., Darden, T., and Hass, J. R.: Charge reversal of three alkylamide ions: free nitrenium ions. *Org. Mass Spectrom.*, 18(12), 530-533, 1983.

Tondeur, Y., Hass, J. R., Harvan, D. J., McKinney, J. D., and Albro, P. W.: Determination of suspected toxic impurities in Firemaster FF-1 or BP-6 by capillary

column gas chromatography/high resolution mass spectrometry. *J. Agric. Food Chem.*, 32, 406-410, 1984.

Burse, M. M., Harvan, D. J., Hass, J. R., Becker, E. I., and Arison, B. H.: A correlation between fragment intensity and critical energy in collisional activation of some ions produced by electron impact. *Org. Mass Spectrom.*, 19(4), 160-164, 1984.

Burse, M. M., Harvan, D. J., Parker, C. E., and Hass, J. R.: Charge reversal of the conjugate bases of acetonitrile and nitromethane. *J. Am. Chem. Soc.*, 105, 6801-6804, 1983.

Stoll, R. G., Harvan, D. J., and Hass, J. R.: Liquid secondary ion mass spectrometry with a focused primary ion source. *Int. J. Mass Spectrom.*: 61, 71-79, 1984.

Meyerson, S., Harvan, D. J., Hass, J. R., Ramirez, F., and Maracek, J. F.: The monomeric metaphosphate anion in negative ion chemical ionization mass spectra of phosphotriesters. *J. Am. Chem. Soc.*, 106, 6877-6883, 1984.

Burse, M. M., Harvan, D. J., Hass, J. R., Becker, E. I., and B. H. Arison: Further correlations between fragment ion intensity and critical energy. Unimolecular covalent bond fragmentation *Org. Mass Spectrom.*, 20, 194-206, 1985.

Burse, M. M., Harvan, D. J., and Hass, J. R.: The unimolecular and collisionally activated decompositions of Fluorine- substituted tetraphenyltetrahedrane ions on the microsecond time scale., *Organic mass Spectrometry*, 20, 197-201, 1985.

McConnell, E. E., Lucier, G. W., Rumbaugh, R. C., Albro, P. W., Harvan, D. J., Hass, J. R., and Harris, M. W.: Dioxin in soil: bioavailability after ingestion by rats and guinea pigs. *Science*, 223, 1077-1079, March, 1984.

Yost, R. A., Fetterolf, D. D., Hass, J. R., Harvan, D. J., Weston, A. F., Skotnicki, P. A., and Simon, N. M., Comparison of mass spectrometric methods for trace level screening of hexachlorobenzene and trichlorophenol in human blood and serum., *Anal. Chem.*, 56, 2223-2228, 1984.

Albro, P. W., Schroeder, J. S., Harvan, D. J., and Corbett, B. J. Characteristics of an extraction and purification procedure for chlorinated dibenzo-p-dioxins and dibenzofurans in soil and liver. *J. Chromatog.*, 312: 65-182, 1984.

DiAugustine, R. P., Walker, M. P., Klapper, D. G., Grove, R. I., Willis, W. D., Harvan, D. J. and Hernandez, O.: B-epidermal growth factor is the des-asparaginyl form of the polypeptide., *Journal of Biological Chemistry*, 260, 2807-2811, 1985.

Boyd, R. K., Bott, P. A., Beynon, J. H., Harvan, D. J., and Hass, J. R., Collision-induced dissociation of ions from zero to 4 ke V transitional energy in a single apparatus, *Int. J. Mass Spectrom. and Ion Processes*, 66, 253-270, 1985.

Boyd, R. K., Bott, P. A., Harvan, D. J., and Hass, J. R., Calibration of linked scan spectra for a tandem double-focusing mass spectrometers. *Int. J. Mass Spectrom., Ion Proc.*, 69, 251-263, 1986.

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Wilson, W. E., Harvan, D. J., Hamm, C., Lazarus, L. H., Klapper, D. G., Yajima, H. and Hayashi, Y., Physalaemin-like immunoreactive peptides from rabbit stomach., *Int. J. Peptide Protein Res.*, 28, 56-66, 1986.

Harvan, D. J., Hass, J. R., Wilson, W. E., Hann, C., Boyd, R. K., Yajima, H., Klapper, D. G., Fast atom bombardment/tandem mass spectrometry of Physalaemin-like peptides., *Biomedical and Environ. Mass or Spectrom.*, 14, 281-287, 1987.

Boyd, R. K., Bott, P. A., Beer, B. R., Harvan, D. J., and Hass, J. R., Computer-bases mass measurements of fragment ion spectra from tandem magnetic sector mass spectrometers with an electrically floated collision cell, *Analytical Chemistry*, 59, 189-193, 1987.

Albro, P. W., Corbett, J. T., Schroeder, J. L., and Harvan, Donald, Comparison of the effects of carbon tetrachloride and of 2, 3, 7,8,-tetrachlorodibenzo-p-dioxin on the disposition of linoleic acid in rat liver in vitro, *Chem-Biol Interactions*, 66, 267-285, 1988.

## **PROFESSIONAL ABSTRACTS/PRESENTATIONS**

Pero, R. W., Owens, R. G., Dale, S. W., and Harvan, D. J.: Isolation and identification of a new toxin, altenuene, from the fungus, *Alternaria tenuis*. ACS Southeast-Southwest regional meeting, Abstract 122: 37-38, 1971.

Harvan, D. J. and Pero, R. W.: The structure and toxicity of the *Alternaria* metabolites. AGFD, 101a, Abstracts of papers, 168th National Meeting, ACS, Port City press, Baltimore, MD., 1974.

Hass, J. R., Friesen, M. D., Harvan, D. J., and Parker, C. E.: Applications of negative chemical ionization mass spectrometry. Analysis of polychlorinated dibenzo-p-dioxins. 25th Annual Conference of Mass Spectrometry and Allied Topics, Washington, DC, 1977.

Albro, P. W., Chae, K., Hass, J. R., Kohli, K., Harvan, D. J., Haseman, J., and Clemmer, T.: Newer methods in the analysis of polychlorinated biphenyls. *Environ. Health Persp.*, 20, 246, 1977.

Hass, J. R., Friesen, M. D., Parker, C. E., and Harvan, D. J.: Use of negative ion chemical ionization mass spectrometry for the part-per-trillion level analysis of polychlorinated dibenzo-p-dioxins in tissue samples. *Environ. Health Persp.*, Vol.20, 1977.

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Harvan, D. J., Hass, J. R., and Busch, K. L.: Applications of recent mass spectrometric techniques to the analysis of environmental materials. 27th Annual Conference on Mass Spectrometry and Allied Topics. Seattle, WA, 1979.

Parker, C. E., Busch, K. L., Harvan, D. J., Hass, J. R., and Bursey, M. M.: Methane enhanced negative ion mass spectra of organic nitriles 27th Annual Conference on Mass Spectrometry and Allied Topics. Seattle, WA, 1979.

Weiss, M., Karnovsky, J., Harvan, D. J., and Hass, J. R.: Computer controlled MIKES analyses- a rapid, convenient and sensitive method of detecting specific components of complex mixtures. 27th Annual Conference on Mass Spectrometry and Allied Topics. Seattle, WA, 1979.

Harvan, D. J., Hass, J. R., and Hoffman, M. K.: MIKES analysis of sulfamethazine. 28th Annual Conference on Mass Spectrometry and Allied Topics. NY, NY, 1980.

Weiss, M., Harvan, D. J., and Hass, J. R.: Quantitation of 2, 3, 7, 8, -tetra chlorodibenzo-p-dioxin in environmental samples by high resolution multiple ion detection. 28th Annual Conference on Mass Spectrometry and Allied Topics. NYC, NY, 1980.

Cochran, T. W., Fox, A., Schwab, J. H., Harvan, D. J., Parker, C. E., and Hass, J. R.: Comparison of the quantitation of muramic acid by selective ion monitoring and single reaction monitoring. 28th Annual Conference on Mass Spectrometry and Allied Topics. NYC, NY, 1980.

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Yinon, J., Harvan, D. J., and Hass, J. R.: MIKE spectrometry of some nitroamine explosives. 29th Annual Conference on Mass Spectrometry and Allied Topics. Minneapolis, Minn., May, 1981.

Harvan, D. J., Yagen, B., Hernandez, O.H., and Hass, J. R.: Mass spectrometry of glutathione, cysteine, and mercapturic acid conjugates of styrene oxide. 29th Annual Conference on Mass Spectrometry and Allied Topics. Minneapolis, Minn., May, 1981.

Stoll, R. G., Harvan, D. J., and Hass, J. R.: Molecular SIMS with a liquid metal field ion point source. 31st Annual Conference on Mass Spectrometry and Allied Topics. Boston, Mass., May, 1983.

Bursey, M. M., Harvan, D. J., and Hass, J. R.: A collision product ion intensity correlation in the absence of precursor thermalization. 31st Annual Conference on Mass Spectrometry and Allied Topics. Boston, Mass., May, 1983.

Harvan, D. J., Stoll, F. G., and Hass, J. R.: An ion gun with focusing optics for organic SIMS. 31st Annual Conference on Mass Spectrometry and Allied Topics. Boston, Mass., May, 1983.

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McEwen, C. N., Harvan, D. J., and Hass, J. R., 32nd Annual Conference on Mass Spectrometry and Allied Topics, San Antonio, Texas, May 27-June 1, 1984, p. 836-7.

Stoll, R. G., Harvan, D. J., Cole, R. C., and Hass, J. R., 32nd Annual Conference on Mass Spectrometry and Allied Topics, San Antonio, Texas, May 27-June 1, 1984, p. 838-9.

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Y. Tondeur, M. Chu and D. Harvan; 13th Annual EPA Conference on Analysis of Pollutants in the Environment; Norfolk, VA, May 8-10, 1990; "Determination of Semi-Volatile Organic Compounds in River Water at the Part-per-Quadrillion (ppq) Level by High-Resolution Gas Chromatography/High-Resolution Mass Spectrometry."

D. J. Harvan, C. E. Riley, T. Harrison, R. W. Graham, M. Chu, H. Yoest, N. Bragg, and L. White; AWMA National Conference, Kansas City, Missouri, June, 1992; "Evaluation of VOST and MM-5 methodologies for Selected Clean Air Act Compounds."

S. A. Guyan, D. J. Harvan, M. Chu and C. E. Riley; AWMA Florida Section National Conference, Sept. 20-27, 1992; "Volatile organic sampling train (VOST) screening for unknown concentrations of Clean Air Act organic compounds."

Frederic K. Pfaender, J. Chad Roper, Donald J. Harvan, International Conference on Wood Poles and Piles, Ft. Collins, Colorado, Mar. 25-27, 1996; "Pole Preservation Through Alteration of Wood Rot Microbial Community Activity."

D.Harvan, M.Allen, B. Lilley, H.Warren, I.M.Davis, Western Regional Meeting Meeting of the American Association of Pharmaceutical Scientists, San Francisco, CA, Mar 24-25,1997, "Validation of a Human Plasma Method for Oxybutynin and Desethyloxybutynin Enantiomers at Low pg/ml Concentrations Using LC/MS/MS "

J. M. Amin, D. Harvan\*, D. Morris, R. LeLacheur, National Meeting of the American Association of Pharmaceutical Scientists, Boston, MA, Nov. 1-6, 1997. "Determination Of Fluoro-Beta-Alanine In Human Urine Using Liquid-Liquid Extraction And GC/MS/SIM"; abstract published in Pharmaceutical Research, November 1997 (Supplement), Volume 14, Number 11.

M.Allen, M.Hamzavi, D. Harvan,H.Warren, I.M.Davis, National Meeting of the American Association of Pharmaceutical Scientists, Boston, MA, Nov. 1-6, 1997; "Determination of Methylphenidate and Ritalinic Acid in Human and Beagle Plasma at Trace Levels using Solid Phase Extraction and LC/MS/MS." ; abstract published in Pharmaceutical Research, November 1997 (Supplement), Volume 14, Number 11.

Michael S. Allen, Donald J. Harvan, Nancy K. Hopkins. National Meeting of the American Association of Pharmaceutical Scientists, Boston, MA, Nov. 1-6, 1997, "Determination Of Tirilazad And Two Metabolites In Human Plasma Using HPLC/MS/MS."; abstract published in Pharmaceutical Research, November 1997 (Supplement), Volume 14, Number 11.

Chetan D. Lathia, John Hollembaek, Roger Hayes, Brian Lilley, and Don Harvan. National Meeting of the American Association of Pharmaceutical Scientists, Boston, MA, Nov. 1-6, 1997. "Validation of CI-1011 in Human Plasma by a HPLC/MS/MS Assay to Support Phase I Pharmacokinetic Studies"; abstract published in Pharmaceutical Research, November 1997 (Supplement), Volume 14, Number 11.

Allen, Michael; Hamzavi, Mohammad; Harvan, Donald; Knuth, Dean; 46th Annual Conference on Mass Spectrometry and Allied Topics, Orlando, FL, May 31- June 4, 1998. "Chiral LC/MS/MS analysis of Reboxetine enantiomers in plasma and urine using post column acidification"

Mohammad A. Hamzavi<sup>1</sup>, Michael S. Allen<sup>1</sup>, Kimio Terao<sup>2</sup>, Keisuke Uchida<sup>2</sup>, Hisanori Takanashi<sup>2</sup>, David Young<sup>2</sup>. <sup>1</sup>Triangle Laboratories Inc., Durham, NC, <sup>2</sup>Chugai Biopharmaceuticals, Inc. ; National Meeting of the American Association of Pharmaceutical Scientists, San Francisco, CA, Nov., 1998. Determination Of GM-611 And Three Metabolites In Human Plasma Using Solid-Phase Extraction And HPLC/MS/MS.

Zhan, Qiao; Allen, Mike; Harvan, Donald; 47<sup>TH</sup> ASMS Conference on Mass Spectrometry and Allied Topics, Dallas, TX, June 13 - 17, 1999. Chiral LC/MS/MS Analysis of Methylphenidate and Ritalinic Acid in Human Plasma Using Post-column Addition.

<sup>1</sup>Macek, Paul, <sup>1</sup>Hawthorne, Les, Hass, <sup>2</sup>J. Ronald, and <sup>2</sup>Harvan, Donald; <sup>1</sup>BWXT Services, Inc., <sup>2</sup>Triangle Laboratories Inc., Durham, NC; WM'02 Conference, Tucson, AZ, Feb. 24-28,2002. Trace chlorinated organics analysis in highly radioactive samples - Problems and solutions.

Lauren E. Tochacek, Donald Harvan, Patty L. Ragsdale and J. Ronald Hass , Triangle Laboratories Inc., Durham, NC, 23rd International Symposium on Halogenated Organic Pollutants and Persistent Organic Pollutants. Boston MA. August 24-29, 2003  
Rapidscreen As An Innovative HRGC/HRMS Analytical Screening Tool For Environmental And Food Matrices.

Bharat Chandramouli, Lauren E. Tochacek, Donald Harvan, and J. Ronald Hass . Triangle Laboratories Inc., Durham, NC, 23rd International Symposium on Halogenated Organic Pollutants and Persistent Organic Pollutants. Boston MA. August 24-29, 2003  
A Comparison Of Toxicity Equivalency (TEQ) Results Obtained Using Rapidscreen And The DIPS-CALUX Bioassay With EPA Method 8290 And 1668a Calculated TEQS.

Bharat Chandramouli, Don Harvan, Scott Brittain, and Ronald Hass, Eno River Labs, LLC, Durham, NC. 24<sup>th</sup> International Symposium on Halogenated Environmental Organic Pollutants and POPs, Berlin, Sep. 6-10,2004; A Gas/Liquid Chromatographic-Mass Spectrometric Method for the Rapid Screening of 250 Pesticides in Aqueous Matrices.