

## Subject Index Vol. 1071

### Aldehydes

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

### Aliphatic hydrocarbons

Increasing the accuracy of determination of  $n_C/n_H$  ratios by gas chromatography–atomic emission detection 1071(2005)55

### Alkanesulfonamides

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

### Alkanesulfonyl chlorides

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

### Alkyl chlorides

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

### Alumina column

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

### Analysis time

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

### Animal matrices

Residue analysis of organophosphorus pesticides in animal matrices by dual column capillary gas chromatography with nitrogen–phosphorus detection 1071(2005)67

### Antimicrobial metabolites

Rapid separation of antimicrobial metabolites by microchip electrophoresis with UV linear imaging detection 1071(2005)223

### Aquaculture feed

Multi-residue screening of chlorinated and brominated compounds from aquaculture samples using matrix solid-phase dispersion—gas chromatography–mass spectrometry 1071(2005)93

### Artificial neural network

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction–gas chromatography–mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

### Automatic peak analysis

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

### Automation

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

### Bacteria

Characterization of non-discriminating tetramethylammonium hydroxide-induced thermochemolysis–capillary gas chromatography–mass spectrometry as a method for profiling fatty acids in bacterial biomasses 1071(2005)99

### Biological monitoring

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

### Biomarkers of exposure

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

### Brominated flame retardants

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling–capillary gas chromatography–mass spectrometry 1071(2005)125

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

### Bromophenols

Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling–capillary gas chromatography–mass spectrometry 1071(2005)125

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Capillary GC-MS**

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction-thermal desorption-capillary gas chromatography-mass spectrometry 1071(2005)131

A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry 1071(2005)135

**Capillary liquid chromatography**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Capillary**

Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC) 1071(2005)179

**Carboxylic acids**

In situ analysis of the Martian soil by gas chromatography: Decoding of complex chromatograms of organic molecules of exobiological interest 1071(2005)255

**Carrier gas flow**

High-speed capillary gas chromatography for determination of inhalation anesthetics 1071(2005)81

**CEC**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Cheese**

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction-gas chromatography-mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

**Chemical analysis**

Computer language for identifying chemicals with comprehensive two-dimensional gas chromatography and mass spectrometry 1071(2005)263

**Chemometric method**

In situ analysis of the Martian soil by gas chromatography: Decoding of complex chromatograms of organic molecules of exobiological interest 1071(2005)255

**Chiral analysis**

Multidimensional gas chromatography using a double cool-strand interface 1071(2005)13

**Chromatography**

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

**Classification**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**CMB**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**Column diameter**

Overloading of the second-dimension column in comprehensive two-dimensional gas chromatography 1071(2005)21

**Comprehensive two-dimensional gas chromatography**

Overloading of the second-dimension column in comprehensive two-dimensional gas chromatography 1071(2005)21

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

Computer language for identifying chemicals with comprehensive two-dimensional gas chromatography and mass spectrometry 1071(2005)263

**Continuous beds**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Correlation**

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

**Deans' switch**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**Deconvolution**

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

**Derivatization**

Determination of phenols in lake and ground water samples by stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry 1071(2005)163

**2,4-Diacetylphloroglucinol (2,4-DAPG)**

Rapid separation of antimicrobial metabolites by microchip electrophoresis with UV linear imaging detection 1071(2005)223

**2,6-Di-*O*-pentyl-3-*O*-acyl  $\alpha$ -  $\beta$ - and  $\gamma$ -cyclodextrins**

On the capillary gas chromatographic separation of enantiomers of *N*-trifluoroacetyl-*O*-alkyl esters of selected amino acids on 2,3-di-*O*-pentyl-6-*O*-acyl cyclodextrins 1071(2005)59

**1,4-Dioxane**

Impurity analysis of 1,4-dioxane in nonionic surfactants and cosmetics using headspace solid-phase microextraction coupled with gas chromatography and gas chromatography-mass spectrometry 1071(2005)141

**Dioxin precursors**

Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling-capillary gas chromatography-mass spectrometry 1071(2005)125

**Direct resistively-heated columns**

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

**Dual column**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**ELSD**

Determination of phospholipids in dairy products by SPE/HPLC/ELSD 1071(2005)185

**Enantiomer separation**

On the capillary gas chromatographic separation of enantiomers of *N*-trifluoroacetyl-*O*-alkyl esters of selected amino acids on 2,3-di-*O*-pentyl-6-*O*-acetyl cyclodextrins 1071(2005)59

**ES-MS-MS**

Identification of the major selenium compound, Se-Methionine, in three yeast (*Saccharomyces cerevisiae*) dietary supplements by on-line narrow-bore liquid chromatography-electrospray tandem mass spectrometry 1071(2005)191

**Extraction**

Evaluation of a dedicated gas chromatography-mass spectrometry method for the analysis of phenols in water 1071(2005)41

**Extruded polystyrene**

Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling-capillary gas chromatography-mass spectrometry 1071(2005)125

**Fatty acids**

Characterization of non-discriminating tetramethylammonium hydroxide-induced thermochemolysis-capillary gas chromatography-mass spectrometry as a method for profiling fatty acids in bacterial biomasses 1071(2005)99

**Fingerprinting**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**Gas chromatography**

Development of headspace solid-phase microextraction-gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

Optimized method for the determination of 25 polychlorinated biphenyls in water samples using stir bar sorptive extraction followed by thermodesorption-gas chromatography/mass spectrometry 1071(2005)155

Determination of phenols in lake and ground water samples by stir bar sorptive extraction-thermal desorption-gas chromatography-mass spectrometry 1071(2005)163

Computer language for identifying chemicals with comprehensive two-dimensional gas chromatography and mass spectrometry 1071(2005)263

**Gas chromatography-atomic emission detection**

Increasing the accuracy of determination of  $n_C/n_H$  ratios by gas chromatography-atomic emission detection 1071(2005)55

**Gas chromatography-mass spectrometry**

Evaluation of a dedicated gas chromatography-mass spectrometry method for the analysis of phenols in water 1071(2005)41

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

**Gas-chromatography coupled to mass spectrometry**

Multi-residue screening of chlorinated and brominated compounds from aquaculture samples using matrix solid-phase dispersion-gas chromatography-mass spectrometry 1071(2005)93

**GC × GC**

Overloading of the second-dimension column in comprehensive two-dimensional gas chromatography 1071(2005)21

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**GC/EL-MS**

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

**GC/MS**

Multidimensional gas chromatography using a double cool-strand interface 1071(2005)13

**GC/NCI-MS**

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

**GC/PCI-MS**

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

**GC-MS interpretation**

Computer language for identifying chemicals with comprehensive two-dimensional gas chromatography and mass spectrometry 1071(2005)263

**GC-MS**

High-speed capillary gas chromatography for determination of inhalation anesthetics 1071(2005)81

**GC-olfactometry**

Multidimensional gas chromatography using a double cool-strand interface 1071(2005)13

**Generic applications**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**Geochemistry**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Group-type separation**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**Headspace analysis**

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction-gas chromatography-mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

**Headspace sorptive extraction**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

**Headspace**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

Development of headspace solid-phase microextraction–gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

**Heating and flow rates**

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

**Hexafluoroisopropanol**

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

**High-speed GC**

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

High-speed capillary gas chromatography for determination of inhalation anesthetics 1071(2005)81

**HPLC**

Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC) 1071(2005)179

Determination of phospholipids in dairy products by SPE/HPLC/ELSD 1071(2005)185

Identification of the major selenium compound, Se-Methionine, in three yeast (*Saccharomyces cerevisiae*) dietary supplements by on-line narrow-bore liquid chromatography–electrospray tandem mass spectrometry 1071(2005)191

**Hydrophobicity**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Hydrothermal waters**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Hyperbolic scaling**

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

**In-fibre derivatisation**

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

**Inhalation anesthetics**

High-speed capillary gas chromatography for determination of inhalation anesthetics 1071(2005)81

**Integrated microsystems**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

**Interface**

Multidimensional gas chromatography using a double cool-strand interface 1071(2005)13

**Inverse size exclusion chromatography**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Ion-pair**

Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC) 1071(2005)179

 **$K_{O/W}$** 

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**Large-volume injection**

Evaluation of a dedicated gas chromatography–mass spectrometry method for the analysis of phenols in water 1071(2005)41

**Large-volume sample stacking**

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Leukemia**

Chromatographic, capillary electrophoretic and matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of urinary modified nucleosides as tumor markers 1071(2005)271

**Linear regression**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Martian soil**

In situ analysis of the Martian soil by gas chromatography: Decoding of complex chromatograms of organic molecules of exobiological interest 1071(2005)255

**Mass spectrometry**

Computer language for identifying chemicals with comprehensive two-dimensional gas chromatography and mass spectrometry 1071(2005)263

**Mass spectrometry ESI-MS**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

**Matrix solid-phase dispersion**

Multi-residue screening of chlorinated and brominated compounds from aquaculture samples using matrix solid-phase dispersion—gas chromatography—mass spectrometry 1071(2005)93

**Microchip electrophoresis (MCE)**

Rapid separation of antimicrobial metabolites by microchip electrophoresis with UV linear imaging detection 1071(2005)223

**Microfluidics**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

**Milk fat**

Determination of phospholipids in dairy products by SPE/HPLC/ELSD 1071(2005)185

**Miniaturization**

Evaluation of a dedicated gas chromatography—mass spectrometry method for the analysis of phenols in water 1071(2005)41

**Monoacetylphloroglucinol (MAPG)**

Rapid separation of antimicrobial metabolites by microchip electrophoresis with UV linear imaging detection 1071(2005)223

**Monolithic phase**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

**Monoliths**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Monoterpenes**

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction—gas chromatography—mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

**Multidimensional gas chromatography**

Multidimensional gas chromatography using a double cool-strand interface 1071(2005)13

**Multivariate analysis**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

 **$n_C/n_H$  ratios**

Increasing the accuracy of determination of  $n_C/n_H$  ratios by gas chromatography—atomic emission detection 1071(2005)55

**Non-aqueous capillary electrophoresis**

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Non-discriminating pyrolysis**

Characterization of non-discriminating tetramethylammonium hydroxide-induced thermochemolysis—capillary gas chromatography—mass spectrometry as a method for profiling fatty acids in bacterial biomasses 1071(2005)99

**Nonionic surfactants**

Impurity analysis of 1,4-dioxane in nonionic surfactants and cosmetics using headspace solid-phase microextraction coupled with gas chromatography and gas chromatography—mass spectrometry 1071(2005)141

**Nucleosides**

Chromatographic, capillary electrophoretic and matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of urinary modified nucleosides as tumor markers 1071(2005)271

**Online preconcentration**

Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC) 1071(2005)179

**Organophosphorus pesticides**

Residue analysis of organophosphorus pesticides in animal matrices by dual column capillary gas chromatography with nitrogen—phosphorus detection 1071(2005)67

**Orthogonality**

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

**Overlapping peaks**

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

**Overloading**

Overloading of the second-dimension column in comprehensive two-dimensional gas chromatography 1071(2005)21

**Ozone precursors**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**PDMS stir bar**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**PDMS volume**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**Peak shape heuristics**

A new mathematical procedure to evaluate peaks in complex chromatograms 1071(2005)239

**Pentafluorobenzylhydroxylamine hydrochloride**

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

**Pentafluorophenylhydrazine**

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

**Pharmaceuticals**

Development of headspace solid-phase microextraction–gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

**Phase ratio  $\beta$** 

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**Phenols and chlorophenols**

Determination of phenols in lake and ground water samples by stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)163

**Phenols**

Evaluation of a dedicated gas chromatography–mass spectrometry method for the analysis of phenols in water 1071(2005)41

**Phospholipids**

Determination of phospholipids in dairy products by SPE/HPLC/ELSD 1071(2005)185

**Photodegradation**

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

**Photo-SPME**

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

**PMF**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**Polybrominated dibenzofurans**

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

**Polybrominated diphenyl ethers**

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

**Polychlorinated biphenyls**

Optimized method for the determination of 25 polychlorinated biphenyls in water samples using stir bar sorptive extraction followed by thermodesorption–gas chromatography/mass spectrometry 1071(2005)155

**Polyhalogenated compounds**

Multi-residue screening of chlorinated and brominated compounds from aquaculture samples using matrix solid-phase dispersion–gas chromatography–mass spectrometry 1071(2005)93

**Porosimetry**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Positional isomers**

Analysis of chlorinated, sulfochlorinated and sulfonamide derivatives of *n*-tetradecane by gas chromatography/mass spectrometry 1071(2005)71

**Protein analysis**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

***Pseudomonas fluorescens* F113**

Rapid separation of antimicrobial metabolites by microchip electrophoresis with UV linear imaging detection 1071(2005)223

**Pulmonary tuberculosis**

A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)135

**Retention prediction**

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

**Reversed-phase capillary electrochromatography**

Non-particulate (continuous bed or monolithic) acrylate-based capillary columns for reversed-phase liquid chromatography and electrochromatography 1071(2005)171

**Sample preparation**

Integrated microfabricated systems including a purification module and an on-chip nano electrospray ionization interface for biological analysis 1071(2005)213

**Sampling temperature**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**Sampling time**

Impact of phase ratio, polydimethylsiloxane volume and size, and sampling temperature and time on headspace sorptive extraction recovery of some volatile compounds in the essential oil field 1071(2005)111

**Selenium**

Identification of the major selenium compound, Se-Methionine, in three yeast (*Saccharomyces cerevisiae*) dietary supplements by on-line narrow-bore liquid chromatography–electrospray tandem mass spectrometry 1071(2005)191

**Separation measure**

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

**Separation methods**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Separation space**

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

**Sesquiterpenes**

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction–gas chromatography–mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

**Sevoflurane**

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

**Silica scaling**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Silicates**

Evaluation of capillary electrophoresis for determining the concentration of dissolved silica in geothermal brines 1071(2005)197

**Simulation**

Orthogonality considerations in comprehensive two-dimensional gas chromatography 1071(2005)47

**Solid phase extraction**

Residue analysis of organophosphorus pesticides in animal matrices by dual column capillary gas chromatography with nitrogen–phosphorus detection 1071(2005)67

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Solid phase microextraction**

Investigation of photodegradation products generated after UV-irradiation of five polybrominated diphenyl ethers using photo solid-phase microextraction 1071(2005)85

Development of headspace solid-phase microextraction–gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

Impurity analysis of 1,4-dioxane in nonionic surfactants and cosmetics using headspace solid-phase microextraction coupled with gas chromatography and gas chromatography–mass spectrometry 1071(2005)141

Determination of low-molecular mass aldehydes by automated headspace solid-phase microextraction with in-fibre derivatisation 1071(2005)147

**Solid-phase microextraction–gas chromatography–mass spectrometry**

Application of artificial neural network on mono- and sesquiterpenes compounds determined by headspace solid-phase microextraction–gas chromatography–mass spectrometry for the Piedmont ricotta cheese traceability 1071(2005)247

**Solvents residues**

Development of headspace solid-phase microextraction–gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

**Sorptive sampling**

Determination of bromophenols as dioxin precursors in combustion gases of fire retarded extruded polystyrene by sorptive sampling–capillary gas chromatography–mass spectrometry 1071(2005)125

**SPE**

Determination of phospholipids in dairy products by SPE/HPLC/ELSD 1071(2005)185

**Speciation**

Identification of the major selenium compound, Se-Methionine, in three yeast (*Saccharomyces cerevisiae*) dietary supplements by on-line narrow-bore liquid chromatography–electrospray tandem mass spectrometry 1071(2005)191

**Sputum samples**

A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)135

**Stir bar sorptive extraction**

A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)135

Optimized method for the determination of 25 polychlorinated biphenyls in water samples using stir bar sorptive extraction followed by thermodesorption–gas chromatography/mass spectrometry 1071(2005)155

Determination of phenols in lake and ground water samples by stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)163

**Target-compound analysis**

Novel system for classifying chromatographic applications, exemplified by comprehensive two-dimensional gas chromatography and multivariate analysis 1071(2005)229

**Tetrabromobisphenol A**

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Tetrachlorobisphenol A**

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205

**Tetramethylammonium hydroxide**

Characterization of non-discriminating tetramethylammonium hydroxide-induced thermochemolysis–capillary gas chromatography–mass spectrometry as a method for profiling fatty acids in bacterial biomasses 1071(2005)99

**Thermal desorption**

Determination of phenols in lake and ground water samples by stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)163

**Thermochemolysis**

Characterization of non-discriminating tetramethylammonium hydroxide-induced thermochemolysis–capillary gas chromatography–mass spectrometry as a method for profiling fatty acids in bacterial biomasses 1071(2005)99

**Thermodesorption**

Optimized method for the determination of 25 polychlorinated biphenyls in water samples using stir bar sorptive extraction followed by thermodesorption–gas chromatography/mass spectrometry 1071(2005)155

**Thyrotropin-releasing hormone**

Online preconcentration of thyrotropin-releasing hormone (TRH) by SDS-modified reversed phase column for microbore and capillary high-performance liquid chromatography (HPLC) 1071(2005)179

***N*-Trifluoroacetyl-*O*-alkyl amino acid derivatives**

On the capillary gas chromatographic separation of enantiomers of *N*-trifluoroacetyl-*O*-alkyl esters of selected amino acids on 2,3-di-*O*-pentyl-6-*O*-acyl cyclodextrins 1071(2005)59

**Tuberculostearic acid**

A rapid method of diagnosing pulmonary tuberculosis using stir bar sorptive extraction–thermal desorption–gas chromatography–mass spectrometry 1071(2005)135

**Tumor markers**

Chromatographic, capillary electrophoretic and matrix-assisted laser desorption ionization time-of-flight mass spectrometry analysis of urinary modified nucleosides as tumor markers 1071(2005)271

**Ultra fast module-GC**

High-speed gas chromatography with direct resistively-heated column (ultra fast module-GC)-separation measure (*S*) and other chromatographic parameters under different analysis conditions for samples of different complexities and volatilities 1071(2005)3

**Urban air**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**Urine**

Simultaneous determination of unmodified sevoflurane and of its metabolite hexafluoroisopropanol in urine by headspace sorptive extraction–thermal desorption–capillary gas chromatography–mass spectrometry 1071(2005)131

**Vegetable oils**

Development of headspace solid-phase microextraction–gas chromatography method for the determination of solvent residues in edible oils and pharmaceuticals 1071(2005)119

**Vehicular emissions**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**VOC**

Semicontinuous GC analysis and receptor modelling for source apportionment of ozone precursor hydrocarbons in Bresso, Milan, 2003 1071(2005)29

**Water analysis**

Analysis of tetrabromobisphenol A and other phenolic compounds in water samples by non-aqueous capillary electrophoresis coupled to photodiode array ultraviolet detection 1071(2005)205